U.PORTO
FEUP FACULDADE DE ENGENHARIA
UNIVERSIDADE DO PORTO

EFICIÊNCIA ECONÓMICA NUMA INSTALAÇÃO ELEVATÓRIA

ANDRÉ DE CASTRO MACHADO

Relatório de Projecto submetido para satisfação parcial dos requisitos do grau de

MESTRE EM ENGENHARIA CIVIL — ESPECIALIZAÇÃO EM HIDRÁULICA

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JULHO DE 2008

MESTRADO INTEGRADO EM ENGENHARIA CIVIL 2007/2008

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Aos meus Pais

AGRADECIMENTOS

Este trabalho contou com a colaboração de algumas pessoas e entidades, às quais queria expressar os meus agradecimentos, em especial:

- Ao Professor Manuel Maria Pacheco Figueiredo, como orientador deste trabalho, pela sua disponibilidade ilimitada e por todo o apoio prestado relativamente ao esclarecimento de dúvidas e à concretização deste estudo;
- Ao Eng. Alexandre Fortunato e à Eng. Raquel Caetano (Águas do Douro e Paiva, SA) por toda a simpatia e disponibilidade que sempre demonstraram no apoio à recolha de dados fundamentais para a realização deste trabalho;
- Ao Eng. Gabriel Silva, Director de Engenharia da Águas do Douro e Paiva, SA, pelas condições de trabalho disponibilizadas;
- Ao Eng. João Soromenho Jorge, pela partilha de conhecimentos relativos à elaboração e redacção deste documento;
- À empresa Águas do Douro e Paiva, SA, pelos documentos disponibilizados;
- Aos meus pais, irmão e amigos pelo apoio e incentivo para a concretização deste trabalho.

RESUMO

O trabalho realizado foi proposto no âmbito da unidade curricular Projecto / Investigação da Opção Condicionada de Hidráulica do 5º Ano do Mestrado Integrado em Engenharia Civil da Faculdade de Engenharia da Universidade do Porto no ano lectivo 2007/08, e refere-se ao estudo da eficiência económica numa instalação elevatória de um sistema de abastecimento de água.

No Capítulo 1 é feita uma breve introdução ao trabalho, referenciando quais os objectivos e uma primeira aproximação às estratégias a seguir na realização deste estudo.

No Capítulo 2 pretende-se dar a conhecer ao leitor as vantagens e oportunidades que a modelação de sistemas de abastecimento de água oferece no âmbito da gestão e controlo deste tipo de sistemas. São também apontadas algumas das aplicações dos modelos de simulação.

No Capítulo 3 é apresentado o Sistema Multimunicipal de Abastecimento de Água à Área Sul do Grande Porto e a respectiva entidade gestora, a empresa Águas do Douro e Paiva, SA. O modelo construído representa parte deste sistema pelo que se pretende fazer uma primeira abordagem à rede, no que diz respeito não só à sua localização geográfica mas também ao seu grau de desenvolvimento e consequente relevância e influência na qualidade do abastecimento de água às populações servidas.

O Capítulo 4 apresenta o software utilizado para criar o modelo de simulação, o EPANET 2.0, nomeadamente as suas potencialidades na construção de modelos e o processo de representação de redes através dos componentes físicos e não físicos que as definem.

O Capítulo 5 descreve o processo prático no desenvolvimento do modelo. São apresentados os passos fundamentais para a construção de modelos e uma descrição pormenorizada da rede a modelar, nomeadamente as componentes físicas (tubagens, bombas, reservatórios, etc.) e não físicas (curvas características e de rendimento de bombas, controlos com condições múltiplas, etc.) do sistema.

No Capítulo 6 são apresentados e comentados os resultados da simulação do modelo, com particular evidência sobre a minimização do custo de energia consumida pelas estações elevatórias.

O Capítulo 7 conclui o trabalho com uma apreciação geral acerca do modelo desenvolvido e da sua aplicabilidade, além de evidenciar a importância dos modelos na gestão e manutenção de sistemas de abastecimento de água.

PALAVRAS-CHAVE: eficiência, simulação, modelação, estações elevatórias, optimização.

ABSTRACT

This work was proposed in the context of the subject Project / Research of the Hydraulic Option of the 5th Year of Integrated Master in Civil Engineering of the Faculty of Engineering of the University of Porto in the 2007/08 school year, and refers to the study of the economical efficiency in a water distribution system's pumping station.

Chapter 1 contains a brief introduction to this study, explaining the objectives and a primary approach to the followed strategies in its realization.

Chapter 2 discusses the advantages and opportunities of modeling in managing water distribution systems. Several applications of water distribution modeling are also appointed.

Chapter 3 presents the Multi-Municipal Water Distribution System to the South Area of "Grande Porto" and its managing company, "Águas do Douro e Paiva, SA". Knowing that the constructed model is included in this water distribution system, the intent is to gift the reader with an appropriate overview of the analyzed network, regarding not only its geographical localization but also its level of development and consequent importance and influence in granting a quality service to the populations.

Chapter 4 covers the use of EPANET for water distribution modeling, namely its capabilities in model development and network representation through its physical and non physical elements.

Chapter 5 describes the development of the water distribution model and the fundamental steps in its construction. It also covers a detailed network description, namely its physical components (pipes, pumps, tanks etc.) and non physical elements (pump and efficiency curves, rule-based controls, etc.).

Chapter 6 discusses the results of the water distribution network simulation regarding the minimization of energy costs in water pumps.

Chapter 7 concludes this paper with a general appreciation of the developed model and its applicability. It also evinces the worthwhileness of water distribution modeling in managing and maintaining water distribution systems.

KEYWORDS: efficiency, simulation, modeling, water pumping stations, optimization.

ÍNDICE GERAL

AGRADECIMENTOS ..... **I**

RESUMO ..... **III**

ABSTRACT ..... **V**

1 INTRODUÇÃO **1**

2 A MODELAÇÃO DE SISTEMAS DE ABASTECIMENTO DE ÁGUA **3**

2.1 INTRODUÇÃO À MODELAÇÃO DE SISTEMAS DE ABASTECIMENTO DE ÁGUA 3
2.2 ESTRUTURA DE UM SISTEMA DE DISTRIBUIÇÃO DE ÁGUA 4
2.2.1 Origens de Água *4*
2.2.2 Consumidores *4*
2.2.3 Transporte *4*
2.3 A SIMULAÇÃO DE SISTEMAS DE ABASTECIMENTO DE ÁGUA 4
2.4 MODELOS DE SISTEMAS DE ABASTECIMENTO DE ÁGUA 5
2.5 APLICAÇÕES DA MODELAÇÃO DE SISTEMAS DE ABASTECIMENTO DE ÁGUA 6
2.5.1 Planeamento a Longo Prazo *6*
2.5.2 Reabilitação de Redes *6*
2.5.3 Protecção Contra Incêndios *7*
2.5.4 Qualidade da Água *7*
2.5.5 Gestão da Energia *7*
2.5.6 Operações Diárias *8*

3 SISTEMA MULTIMUNICIPAL DE ABASTECIMENTO DE ÁGUA À ÁREA SUL DO GRANDE PORTO **9**

3.1 INTRODUÇÃO 9
3.2 ENQUADRAMENTO HISTÓRICO 9
3.3 BREVE HISTORIAL DA EMPRESA ÁGUAS DO DOURO E PAIVA, SA 10
3.4 O SUBSISTEMA LEVER 12
3.4.1 O Complexo de Lever *12*
3.4.2 Sector Norte *14*
3.4.3 Sector Sul *16*
3.5 SUBSISTEMA VALE DO SOUSA 16
3.6 PREOCUPAÇÕES AMBIENTAIS 17
3.6.1 Perdas de Água *17*
3.6.2 Ruído *18*
3.6.3 Emissões Gasosas *18*
3.6.4 Poupança Energética *18*
3.6.5 Impacto Paisagístico *19*
3.6.6 Principais Indicadores *19*

4 SIMULAÇÃO HIDRÁULICA EM SISTEMAS DE ABASTECIMENTO DE ÁGUA - EPANET 2.0 ..... **21**

4.1 NOTA INTRODUTÓRIA 21
4.2 O EPANET 2.0 21
4.2.1 Capacidades de Modelação Hidráulica *22*
4.2.2 Passos a Seguir na Utilização do EPANET *22*
4.3 O MODELO DA REDE 23

4.3.1 Componentes Físicos *23*
4.3.1.1 Nós 23
4.3.1.2 Reservatórios de Nível Fixo 24
4.3.1.3 Reservatórios de Nível Variável 25
4.3.1.4 Tubagens 26
4.3.1.5 Perdas de Carga Singulares 28
4.3.1.6 Bombas 29
4.3.1.7 Válvulas 30
4.3.2 Componentes Não - Físicos *33*
4.3.2.1 Curvas 33
4.3.2.2 Padrões Temporais 35
4.3.2.3 Controlos 35

5 DESENVOLVIMENTO DO MODELO DE SIMULAÇÃO 39

5.1 INTRODUÇÃO 39
5.2 INFORMAÇÃO NECESSÁRIA PARA A CONSTRUÇÃO DE MODELOS 39
5.3 SISTEMAS DE UNIDADES 40
5.4 PLANEAMENTO DO DESENVOLVIMENTO DO MODELO 41
5.5 CONSTRUÇÃO DO MODELO: DESCRIÇÃO FÍSICA DO SISTEMA 42
5.5.1 Complexo de Lever *43*
5.5.1.1 Captação 44
5.5.1.2 Tratamento 44
5.5.1.3 Armazenamento e Elevação da Água Tratada 44
5.5.1.4 Adução 44
5.5.2 Jovim *45*
5.5.3 Lagoa *46*
5.5.4 Seixo Alvo *46*
5.5.5 Alto do Marquinho *47*
5.5.6 Quadro Resumo *48*
5.6 CONSTRUÇÃO DO MODELO: DESCRIÇÃO DOS CONSUMOS E CAUDAIS 48
5.7 CONSTRUÇÃO DO MODELO: DEFINIÇÃO DAS BOMBAS E RESERVATÓRIOS 55
5.7.1 Estacões Elevatórias *55*
5.7.1.1 Estação Elevatória da ETA de Lever 55
5.7.1.2 Estação Elevatória de Lagoa 57
5.7.1.3 Estação Elevatória de Seixo Alvo 58
5.7.2 Captação de Lever Montante *59*
5.7.3 Reservatórios *60*
5.7.3.1 Reservatório da ETA de Lever 61
5.7.3.2 Reservatório de Lagoa 62
5.7.3.3 Reservatório de Seixo Alvo 63
5.7.3.4 Reservatório de Alto do Marquinho 63
5.7.3.5 Reservatório de Jovim 64
5.8 O PADRÃO HORÁRIO DA TARIFA ELÉCTRICA 65
5.9 CONTROLO OPERACIONAL DA REDE 67
5.9.1 Introdução *67*
5.9.2 Controlos com Condições Múltiplas *67*

6 A SIMULAÇÃO HIDRÁULICA 69

6.1 INTRODUÇÃO 69
6.2 CONFIGURAÇÃO DAS OPÇÕES DE SIMULAÇÃO 69
6.2.1 Opções de Hidráulica 69
6.2.2 Opções de Qualidade 70
6.2.3 Opções de Reacções 70
6.2.4 Opções de Tempo 70
6.2.5 Opções de Energia 71
6.3 RESULTADOS DA SIMULAÇÃO 72
6.3.1 Níveis de Água nos Reservatórios 72
6.3.2 Funcionamento das Bombas 75
6.3.3 Relatório de Energia 78

7 CONCLUSÃO 83

BIBLIOGRAFIA 85

ÍNDICE DE FIGURAS

FIG. 2.1 – SISTEMA DE BOMBAGEM 7
FIG. 3.1 – POPULAÇÃO E CONSUMOS 11
FIG. 3.2 – INFRA-ESTRUTURAS EM FUNCIONAMENTO EM CADA ANO 11
FIG. 3.3 – CONCELHOS ABASTECIDOS, POPULAÇÃO E CONSUMOS EM 2006 11
FIG. 3.4 - ESTAÇÃO DE TRATAMENTO DE ÁGUA DE LEVER 12
FIG. 3.5 – POÇO DE CAPTAÇÃO 12
FIG. 3.6 – CAPTAÇÃO SUPERFICIAL 13
FIG. 3.7 – MAPA DO SUBSISTEMA LEVER 13
FIG. 3.8 – SISTEMA A MODELAR E LEGENDA 13
FIG. 3.9 – PRÉ-TRATAMENTO 14
FIG. 3.10 – TÚNEL DE JOVIM 14
FIG. 3.11 – ESTAÇÃO ELEVATÓRIA DE JOVIM 15
FIG. 3.12 – RESERVATÓRIO DE JOVIM 15
FIG. 3.13 – VISTA AÉREA DO RESERVATÓRIO E ESTAÇÃO ELEVATÓRIA DE LAGOA 16
FIG. 3.14 - MAPA DO SUBSISTEMA VALE DO SOUSA 17
FIG. 3.15 – PERDAS DE ÁGUA (M^3/ANO) ENTRE 1998 E 2006 17
FIG. 3.16 – CONSUMO DE ENERGIA ELÉCTRICA EM 2006 18
FIG. 3.17 – PRINCIPAIS INDICADORES 19
FIG. 4.1 – COMPONENTES FÍSICOS DE UM SISTEMA DE ABASTECIMENTO DE ÁGUA 23
FIG. 4.2 – PROPRIEDADES DE UM NÓ 24
FIG. 4.3 – PROPRIEDADES DE UM RNF 24
FIG. 4.4 – PROPRIEDADES DE UM RNV 25
FIG. 4.5 – PROPRIEDADES DE UMA TUBAGEM 26
FIG. 4.6 – CURVA CARACTERÍSTICA DE UMA BOMBA 29
FIG. 4.7 – PROPRIEDADES DE UMA BOMBA 30
FIG. 4.8 – PROPRIEDADES DE UMA VÁLVULA 30
FIG. 4.9 – CURVA DA BOMBA COM VÁRIOS PONTOS E CURVA COM APENAS UM PONTO 33
FIG. 4.10 – CURVA DE RENDIMENTO 34
FIG. 4.11 – PADRÃO TEMPORAL 35
FIG. 4.12 – EXEMPLOS DE CONTROLOS SIMPLES 36
FIG. 4.13 – EXEMPLO DE CONTROLOS COM CONDIÇÕES MÚLTIPLAS 36
FIG. 4.14 – EXEMPLO DE CONTROLOS COM CONDIÇÕES MÚLTIPLAS 37
FIG. 5.1 – DEPOSIÇÕES CALCÁRIAS EM CONDUTAS DE DISTRIBUIÇÃO 40
FIG. 5.2 – OPÇÕES – HIDRÁULICA 42
FIG. 5.3 – MAPA DO SISTEMA 43
FIG. 5.4 – COMPLEXO DE LEVER 43
FIG. 5.5 – RESERVATÓRIO DE JOVIM 45
FIG. 5.6 – RESERVATÓRIOS E ESTAÇÃO ELEVATÓRIA DE LAGOA 46
FIG. 5.7 – RESERVATÓRIOS E ESTAÇÃO ELEVATÓRIA DE SEIXO ALVO 47
FIG. 5.8 – RESERVATÓRIOS DE ALTO DO MARQUINHO 47
FIG. 5.9 – PADRÃO DE CONSUMO DE CRESTUMA 49
FIG. 5.10 – PADRÃO DE CONSUMO DO CENTRO DE ESTÁGIOS DO F.C. PORTO 49
FIG. 5.11 – PADRÃO DE CONSUMO DE RASA 50
FIG. 5.12 – PADRÃO DE CONSUMO DE PORTELA 50
FIG. 5.13 – PADRÃO DE CONSUMO DE JOVIM – RAMALDE 51

FIG. 5.14 – PADRÃO DE CONSUMO DE JOVIM – NOVA SINTRA 51
FIG. 5.15 – PADRÃO DE CONSUMO A JUSANTE DE ALTO DO MARQUINHO 52
FIG. 5.16 – CONSUMO DIÁRIO DE CRESTUMA 52
FIG. 5.17 – CONSUMO DIÁRIO DO CENTRO DE ESTÁGIOS DO F.C. PORTO 52
FIG. 5.18 – CONSUMO DIÁRIO DE RASA 53
FIG. 5.19 – CONSUMO DIÁRIO DE PORTELA 53
FIG. 5.20 – CAUDAIS MÉDIOS À SAÍDA DE JOVIM (RAMALDE) 53
FIG. 5.21 – CAUDAIS MÉDIOS À SAÍDA DE JOVIM (NOVA SINTRA) 54
FIG. 5.22 – CAUDAIS MÉDIOS À SAÍDA DE ALTO DO MARQUINHO 54
FIG. 5.23 – CURVA CARACTERÍSTICA DA EE DA ETA DE LEVER 56
FIG. 5.24 – CURVA DE EFICIÊNCIA DA EE DA ETA DE LEVER 56
FIG. 5.25 – CURVA CARACTERÍSTICA DA EE DE LAGOA 57
FIG. 5.26 – CURVA DE EFICIÊNCIA DA EE DE LAGOA 57
FIG. 5.27 – CURVA CARACTERÍSTICA DA EE DE SEIXO ALVO 58
FIG. 5.28 – PROPRIEDADES DA CAPTAÇÃO SUBTERRÂNEA DE LEVER MONTANTE 59
FIG. 5.29 – REPRESENTAÇÃO DE FUROS NO MODELO 59
FIG. 5.30 – CURVA CARACTERÍSTICA DAS BOMBAS DA CAPTAÇÃO DE LEVER MONTANTE 60
FIG. 5.31 – CURVA DE EFICIÊNCIA DA CAPTAÇÃO DE LEVER MONTANTE 60
FIG. 5.32 – PROPRIEDADES DO RNF DA ETA DE LEVER 61
FIG. 5.33 – PREÇO DA ENERGIA - €/KWH 66
FIG. 5.34 – PERÍODOS HORÁRIOS DA TARIFA DE ENERGIA PARA O CICLO SEMANAL 66
FIG. 5.35 – VARIAÇÃO HORÁRIA DA TARIFA ELÉCTRICA 67
FIG. 6.1 – OPÇÕES DE HIDRÁULICA 69
FIG. 6.2 – OPÇÕES DE TEMPO 70
FIG. 6.3 – EXEMPLO DA VARIAÇÃO DO NÍVEL DE ÁGUA NUM RESERVATÓRIO PARA UMA SIMULAÇÃO DE 72 HORAS 71
FIG. 6.4 – OPÇÕES DE ENERGIA 71
FIG. 6.5 – VARIAÇÃO DO NÍVEL DE ÁGUA NO RESERVATÓRIO DE LAGOA – 24 HORAS 72
FIG. 6.6 - VARIAÇÃO DO NÍVEL DE ÁGUA NO RESERVATÓRIO DE LAGOA – 72 HORAS 72
FIG. 6.7 - VARIAÇÃO DO NÍVEL DE ÁGUA NO RESERVATÓRIO DE SEIXO ALVO – 24 HORAS 73
FIG. 6.8 - VARIAÇÃO DO NÍVEL DE ÁGUA NO RESERVATÓRIO DE SEIXO ALVO – 72 HORAS 73
FIG. 6.9 - VARIAÇÃO DO NÍVEL DE ÁGUA NO RESERVATÓRIO DE ALTO DO MARQUINHO – 24 HORAS 73
FIG. 6.10 - VARIAÇÃO DO NÍVEL DE ÁGUA NO RESERVATÓRIO DE ALTO DO MARQUINHO – 72 HORAS 73
FIG. 6.11 - VARIAÇÃO DO NÍVEL DE ÁGUA NO RESERVATÓRIO DE JOVIM – 24 HORAS 74
FIG. 6.12 - VARIAÇÃO DO NÍVEL DE ÁGUA NO RESERVATÓRIO DE JOVIM – 72 HORAS 74
FIG. 6.13 - VARIAÇÃO DO NÍVEL DE ÁGUA NA CÉLULA CENTRAL DO RESERVATÓRIO DE JOVIM – 24 HORAS 74
FIG. 6.14 - VARIAÇÃO DO NÍVEL DE ÁGUA NA CÉLULA CENTRAL DO RESERVATÓRIO DE JOVIM – 72 HORAS 74
FIG. 6.15 – FUNCIONAMENTO DA BOMBA ETA_1 75
FIG. 6.16 - FUNCIONAMENTO DA BOMBA ETA_2 75
FIG. 6.17 - FUNCIONAMENTO DA BOMBA ETA_3 75
FIG. 6.18 - FUNCIONAMENTO DA BOMBA ETA_4 76
FIG. 6.19 - FUNCIONAMENTO DA BOMBA ETA_5 76
FIG. 6.20 - FUNCIONAMENTO DA BOMBA ETA_7 76
FIG. 6.21 - FUNCIONAMENTO DA BOMBA SUBMERSÍVEL_1 76
FIG. 6.22 - FUNCIONAMENTO DA BOMBA LAGOA_1 77
FIG. 6.23 - FUNCIONAMENTO DA BOMBA LAGOA_2 77
FIG. 6.24 - FUNCIONAMENTO DA BOMBA S.ALVO_1 77
FIG. 6.25 - FUNCIONAMENTO DA BOMBA S.ALVO_2 77

FIG. 6.26 - FUNCIONAMENTO DA BOMBA S.ALVO_3 78
FIG. 6.27 – RELATÓRIO DE ENERGIA 78
FIG. 6.28 – PERCENTAGEM DE UTILIZAÇÃO DAS BOMBAS 79
FIG. 6.29 – EFICIÊNCIA MÉDIA DAS BOMBAS 79
FIG. 6.30 – ENERGIA CONSUMIDA POR M^3 DAS BOMBAS 80
FIG. 6.31 – POTÊNCIA MÉDIA NAS BOMBAS 80
FIG. 6.32 – POTÊNCIA MÁXIMA NAS BOMBAS 80
FIG. 6.33 – CUSTO POR DIA DAS BOMBAS 81

ÍNDICE DE TABELAS

TABELA 4.1 – FÓRMULAS PARA CÁLCULO DE PERDA DE CONTÍNUA 27
TABELA 4.2 – COEFICIENTES DAS FÓRMULAS DE PERDA DE CARGA PARA TUBAGENS NOVAS 28
TABELA 5.1 – UNIDADES SI ADOPTADAS PARA A MODELAÇÃO 41
TABELA 5.2 – ADUÇÃO A PARTIR DE LEVER 45
TABELA 5.3 – ADUÇÃO A PARTIR DE LAGOA 46
TABELA 5.4 – ADUÇÃO A PARTIR DE SEIXO ALVO 47
TABELA 5.5 – QUADRO RESUMO DAS CARACTERÍSTICAS DOS RESERVATÓRIOS E ESTAÇÕES ELEVATÓRIAS 48
TABELA 5.6 – CAUDAIS MÉDIOS DIÁRIOS 55
TABELA 5.7 – CARACTERÍSTICAS DA ESTAÇÃO ELEVATÓRIA DA ETA DE LEVER 56
TABELA 5.8 – CARACTERÍSTICAS DA EE DE LAGOA 57
TABELA 5.9 – CARACTERÍSTICAS DA EE DE SEIXO ALVO 58
TABELA 5.10– CARACTERÍSTICAS DO RESERVATÓRIO DE LAGOA 62
TABELA 5.11 – ALTURAS DE ÁGUA ÀS 0:00 H DA CÉLULA 1 DO RESERVATÓRIO DE LAGOA 62
TABELA 5.12 – ALTURAS DE ÁGUA ÀS 0:00 H DA CÉLULA 2 DO RESERVATÓRIO DE LAGOA 62
TABELA 5.13 - CARACTERÍSTICAS DO RESERVATÓRIO DE SEIXO ALVO 63
TABELA 5.14 - ALTURAS DE ÁGUA ÀS 0:00 H DA CÉLULA 1 DO RESERVATÓRIO DE SEIXO ALVO 63
TABELA 5.15 - ALTURAS DE ÁGUA ÀS 0:00 H DA CÉLULA 2 DO RESERVATÓRIO DE SEIXO ALVO 63
TABELA 5.16 - CARACTERÍSTICAS DO RESERVATÓRIO DE ALTO DO MARQUINHO 64
TABELA 5.17 - ALTURAS DE ÁGUA ÀS 0:00 H DA CÉLULA 1 DO RESERVATÓRIO DE ALTO DO MARQUINHO 64
TABELA 5.18 - ALTURAS DE ÁGUA ÀS 0:00 H DA CÉLULA 2 DO RESERVATÓRIO DE ALTO DO MARQUINHO 64
TABELA 5.19 - CARACTERÍSTICAS DO RESERVATÓRIO DE JOVIM 64
TABELA 5.20 - ALTURAS DE ÁGUA ÀS 0:00 H DA CÉLULA CENTRAL DO RESERVATÓRIO DE JOVIM 65
TABELA 5.21 - ALTURAS DE ÁGUA ÀS 0:00 H DA CÉLULA 1 (ESQUERDA) DO RESERVATÓRIO DE JOVIM 65
TABELA 5.22 - ALTURAS DE ÁGUA ÀS 0:00 H DA CÉLULA 2 (DIREITA) DO RESERVATÓRIO DE JOVIM 65

SÍMBOLOS E ABREVIATURAS

SÍMBOLOS

A - termo de perda de carga na expressão (1)

B - expoente do caudal na expressão (1)

C - coeficiente da fórmula de perda de carga de Hazen-Williams (adimensional)

D - diâmetro do reservatório

d - diâmetro da tubagem

ε - rugosidade absoluta ou rugosidade de Darcy-Weisbach (mm)

f - factor de Darcy-Weisbach

g - aceleração da gravidade

h - altura de água

h_L - perda de carga em unidades de comprimento

K - coeficiente de perda de carga singular

L - comprimento da tubagem

n - coeficiente de rugosidade de Manning

q - caudal

v - velocidade do escoamento

V - volume

Re - número de Reynolds

ABREVIATURAS

ETA – Estação de Tratamento de Água

AdP – Águas de Portugal

AdDP – Águas do Douro e Paiva

EPA – Environmental Protection Agency

LNEC – Laboratório Nacional de Engenharia Civil

RNF – Reservatório de Nível Fixo

RNV – Reservatório de Nível Variável

EE – Estação Elevatória

EUA – Estados Unidos da América

mca – metros coluna de água

1

INTRODUÇÃO

O objectivo de qualquer entidade gestora de sistemas de abastecimento de água é colocar à disposição do maior número de cidadãos dos concelhos aos quais está contratualmente ligado a água que necessitam em quantidade, qualidade e pressão adequadas, sem interrupções e em condições de eficiência tão elevada quanto possível em termos do uso dos recursos naturais, humanos, tecnológicos e financeiros.

Um sistema de abastecimento de água é geralmente constituído por adutoras, reservatórios e estações elevatórias, além de muitos outros órgãos acessórios essenciais ao seu correcto funcionamento. O principal objectivo deste estudo é, através de um processo de aproximação tentativa e erro (*cut-and-try*), definir os controlos com condições múltiplas que rejam o funcionamento das bombas constituintes do sistema em função dos níveis dos reservatórios e das horas do dia, visando a minimização dos custos de energia consumida nas instalações elevatórias. Analisando a variação do consumo de água solicitado ao sistema em causa, a variação temporal da tarifa eléctrica e a capacidade de regularização dos reservatórios é possível criar uma política operacional para as estações elevatórias que vise a minimização do custo da energia consumida - Figueiredo, Martins (2007).

Os anexos ao presente trabalho podem ser consultados no CD que acompanha este documento.

2

A MODELAÇÃO DE SISTEMAS DE ABASTECIMENTO DE ÁGUA

2.1 INTRODUÇÃO À MODELAÇÃO DE SISTEMAS DE ABASTECIMENTO DE ÁGUA

A modelação de sistemas de abastecimento de água é a mais recente tecnologia num processo de desenvolvimento que começou há cerca de dois milénios atrás. Hoje em dia, a modelação de sistemas de distribuição de água é um processo fundamental no dimensionamento e controlo de sistemas capazes de distribuir água às populações de modo eficiente e com a qualidade adequada para o consumo. Presentemente, a disponibilidade de modelos cada vez mais sofisticados e acessíveis permite que esses objectivos sejam atingidos com mais facilidade que nunca.

A utilização da modelação de sistemas de abastecimento de água pelas entidades gestoras responsáveis pela exploração dos sistemas e pela distribuição de água às populações, tem vindo, desde recentemente, a sofrer uma evolução muito positiva, acompanhando não só uma progressiva organização dos serviços na procura de uma maior eficiência, mas também uma evolução de uma fase de construção de sistemas, que se tem aproximado dos seus limites possíveis, para uma fase mais concentrada na gestão desses sistemas e na racionalização dos impactos a eles associados.

Os modelos, para além dos benefícios directos associados à análise de sistemas, à resolução de problemas de engenharia hidráulica e à sua natureza como instrumento de apoio à decisão, potenciam, se correctamente desenvolvidos e utilizados, sérias melhorias na qualidade da informação relativa aos sistemas em análise.

Este capítulo, tendo por base o trabalho "ADVANCED WATER DISTRIBUTION MODELING AND MANAGEMENT" (Walski *et al*, 2003), pretende fazer uma primeira aproximação às metodologias de modelação de sistemas de abastecimento de água. Posteriormente serão analisadas as técnicas de construção e simulação de modelos de sistemas de abastecimento de água, conduzindo o leitor através de todo o processo de modelação, desde a obtenção dos dados que permitam uma definição física do modelo (que se pretende o mais próximo possível do sistema real), até à sua construção e à definição das políticas de controlo que visem garantir o principal objectivo deste estudo.

2.2 ESTRUTURA DE UM SISTEMA DE DISTRIBUIÇÃO DE ÁGUA

2.2.1 ORIGENS DE ÁGUA

A captação de águas não tratadas pode ser feita de duas formas: captação de águas em profundidade ou captação de água superficiais em lagos, rios ou reservatórios. As águas não tratadas são então normalmente conduzidas até uma estação de tratamento de águas (ETA) onde passam por um processo de tratamento químico e físico para produzir água potável.

O grau de tratamento ao qual essas águas são submetidas depende das características da própria água, dos parâmetros de potabilidade de águas para consumo humano, dos processos de tratamento utilizados e das características do sistema de distribuição.

As águas captadas em profundidade são muitas vezes caracterizadas por terem elevada qualidade, ao contrário das águas superficiais, o que leva a que essas águas possam ser consumíveis sem serem submetidas a tratamento prévio. No entanto, é usual considerar-se um nível de desinfecção residual para protecção contra eventuais contaminações acidentais e desenvolvimento de microrganismos no sistema de distribuição.

2.2.2 CONSUMIDORES

Os consumidores domésticos, indústrias, serviços de saúde, restauração e muitos outros tipos de consumidores dependem da qualidade do serviço de um sistema de abastecimento de água para usufruírem de água potável, quer seja para consumo próprio, actividades industriais ou para irrigação. Aliás, foram as necessidades do consumidor que conduziram ao desenvolvimento progressivo dos sistemas de abastecimento de água e a procura incessante da eficiência e melhoramento na operacionalidade desses sistemas.

O comportamento de um sistema de distribuição de água é fortemente condicionado pela natureza do uso que o consumidor dá à água fornecida. O consumo de água pode variar espacial e temporalmente, apresentado variações a longo prazo (sazonalmente) e a curto prazo (diariamente). O profundo conhecimento das variações no consumo de água e como o consumo se distribui pelo sistema é fundamental para a precisão da modelação.

2.2.3 TRANSPORTE

O transporte de água desde a origem até à distribuição aos consumidores requer uma rede de condutas, bombas e válvulas, entre outros órgãos acessórios. O armazenamento de água para responder a flutuações no consumo devido a variações temporais da procura de água por parte do consumidor é feito em estruturas como tanques ou reservatórios. A adução, o armazenamento e todas as infra-estruturas auxiliares compõem um sistema de abastecimento de água.

2.3 A SIMULAÇÃO DE SISTEMAS DE ABASTECIMENTO DE ÁGUA

Geralmente, o termo *simulação* refere-se ao processo de imitação do comportamento de um determinado sistema através de outro sistema. No caso presente, *simulação* refere-se a uma representação matemática de um sistema real, denominado *modelo*. As simulações de redes, que

representam a dinâmica de um sistema existente ou por construir, são normalmente utilizadas quando se pretende evitar submeter um sistema a experiências que possam prejudicar o funcionamento normal do sistema ou para prever e analisar comportamentos de um sistema quando este se encontra ainda na fase de projecto.

A grande vantagem da simulação é que se pode submeter um sistema a um vastíssimo campo de condições e analisar o seu comportamento sem qualquer influência no sistema real. Trata-se da possibilidade de experimentar independentemente e sem qualquer influência sobre o objecto da experiência. Através das simulações podem-se antecipar problemas no sistema e avaliar as possíveis soluções antes de se tomar qualquer decisão relativamente ao sistema real, evitando desperdícios de tempo, dinheiro e materiais.

As simulações de modelos de sistemas de abastecimento de água constituem uma ferramenta poderosa de apoio ao engenheiro, essencialmente no que diz respeito à tomada de decisões baseadas na informação disponibilizada pela simulação.

2.4 MODELOS DE SISTEMAS DE ABASTECIMENTO DE ÁGUA

Como é do conhecimento geral, a capacidade de monitorização de um sistema, quer seja ele de abastecimento de água ou de saneamento de águas residuais, revela-se de certo modo limitada por razões de ordem construtiva e de extensão, sendo apenas uma pequena parte da rede fisicamente inspeccionável, uma vez que a maioria das condutas encontram-se enterradas. O comportamento de um sistema e as suas eventuais deficiências não são portanto fácil nem directamente perceptíveis.

O carácter oneroso de inspecções directas, que advém do facto de as condutas se encontrarem, na maior parte das vezes, enterradas, conduz à necessidade de se recorrer a um instrumento de apoio, como os modelos de simulação, que permita, rápida e eficientemente, analisar e prever comportamentos hidráulicos do sistema sem interferir directamente com o sistema em causa nem submetê-lo a modos de operação desconhecidos.

Um programa de simulação permite ao utilizador, para além da descrição física do sistema, a definição detalhada das solicitações – os consumos de água – e dos modos de operação do sistema, quer a nível de condições impostas por níveis de reservatórios, quer relativamente às ligações a outros sistemas.

O simulador oferece a possibilidade de calcular o equilíbrio hidráulico do sistema, exprimindo numérica e graficamente os valores das variáveis de estado, tais como:

- A pressão e a cota piezométrica nos pontos notáveis da rede incluindo o nível de água nos reservatórios;
- A velocidade de escoamento, a perda de carga e os caudais nas condutas, válvulas e bombas;
- O estado de abertura/fecho ou a regulação de válvulas e bombas.

A simulação pode ser efectuada para um determinado momento no tempo – simulação estática – ou para um dado período de tempo – simulação dinâmica – intervalado por um passo temporal pré-definido. A simulação dinâmica corresponde basicamente a sucessivas simulações estáticas separadas no tempo por um intervalo pré-definido pelo utilizador.

Os resultados da simulação podem ser obtidos em formato gráfico ou em formato numérico, quer em simulação estática, quer em simulação dinâmica, para qualquer componente do sistema – Coelho *et al* (2006).

2.5 APLICAÇÕES DA MODELAÇÃO DE SISTEMAS DE ABASTECIMENTO DE ÁGUA

A modelação é maioritariamente aplicada a sistemas municipais de distribuição de água. Os modelos são especialmente importantes para sistemas de abastecimento de água devido à sua complexa tipologia e crescimento progressivo e também devido aos impactos profundos que resultam de decisões baseadas na modelação de um determinado sistema. De facto, e considerando que um sistema de distribuição de água abastece milhares de pessoas, qualquer decisão sobre o seu funcionamento revela uma importância vital na garantia de um serviço eficiente e com qualidade assegurada – Walski *et al* (2003).

As simulações de redes de distribuição de água podem ter vários objectivos, como por exemplo:

- Planeamento a longo prazo, desenvolvimento e reabilitação de redes;
- Estudos de protecção contra incêndios;
- Análises da qualidade da água;
- Gestão de energia;
- Projecto de sistemas;
- Operações diárias, respostas de emergência;
- Identificação de problemas em fase de projecto.

2.5.1 PLANEAMENTO A LONGO PRAZO

O planeamento a longo prazo, levado a cabo por projectistas que analisam profundamente todos os aspectos de um sistema de distribuição de água e tentam determinar quais os melhores investimentos que assegurem um serviço de qualidade no futuro, é fundamental na previsão do crescimento populacional e qual a sua influência no consumo de água para os próximos 5, 10, 20 ou 40 anos. Sempre que se prevê um crescimento do sistema de distribuição devido a evoluções demográficas, há que avaliar a capacidade de resposta desse mesmo sistema, verificando se serve adequadamente ou não todos os consumidores.

Um modelo, além de instrumento para identificação de problemas, como por exemplo identificação de zonas em que a pressão é reduzida ou onde a qualidade da água é insuficiente, é uma ferramenta que permite o dimensionamento e escolha da melhor localização de novas tubagens, estações elevatórias ou reservatórios, de modo a evitar certos problemas que não tenham sido previstos.

2.5.2 REABILITAÇÃO DE REDES

Como em todos os sistemas de engenharia, um sistema de abastecimento de água é susceptível de perder qualidade com o passar do tempo, sendo por vezes necessário recorrer a esforços de reabilitação de tubagens, válvulas, bombas ou reservatórios. As tubagens, quer por deposição mineral quer por desenvolvimento de reacções químicas no seio da veia líquida, são os órgãos mais afectados, podendo nalguns casos esses fenómenos levar a uma redução da capacidade de transporte de água e da pressão hidráulica, bem como alterar a qualidade da água. De modo a controlar estes problemas, uma tubagem pode ser alvo de limpeza ou mesmo de substituição por uma tubagem nova. Nestes casos, a simulação hidráulica tem um papel importante, quer na previsão dos impactos da reabilitação, quer na definição da solução economicamente mais vantajosa.

2.5.3 PROTECÇÃO CONTRA INCÊNDIOS

No dimensionamento de um sistema de distribuição de água há que ter em consideração que esse sistema terá que responder eficientemente na protecção contra incêndios que eventualmente possam vir a acontecer. De facto, a consideração de um caudal de incêndio no dimensionamento de redes tem um peso significativo. A utilização de modelos de simulação tem também grande utilidade relativamente a este factor. O engenheiro pode testar o modelo e verificar se o sistema está dimensionado de modo a responder a uma situação de incêndio e ao mesmo tempo garantir os caudais e pressões mínimas na rede.

2.5.4 QUALIDADE DA ÁGUA

Alguns modelos de simulação são capazes de fazer simulações da qualidade da água além da simulação hidráulica. Estes modelos são de grande utilidade uma vez que o utilizador pode, através da simulação, verificar qual o comportamento da qualidade da água ao longo da rede. Por exemplo, é possível determinar o decaimento do cloro ao longo das tubagens e portanto planear eficazmente o processo de doseamento na injecção de cloro na água.

2.5.5 GESTÃO DA ENERGIA

Os custos energéticos em operações de bombagem são aqueles que mais peso têm no funcionamento de um sistema de abastecimento de água. Através de simulações hidráulicas é possível estudar vários cenários de operacionalidade das bombas e os impactos no comportamento do sistema. Com o desenvolvimento de estratégias que visam a racionalização do custo gasto em energia para bombagem, é possível, testando as diferentes respostas do sistema, criar uma política operacional que garanta uma economia dos custos energéticos. Será essencialmente sobre este tema que se debruçará o presente trabalho.

Fig. 2.1 – Sistema de bombagem

2.5.6 OPERAÇÕES DIÁRIAS

A simulação hidráulica pode ser utilizada também para determinar os efeitos de várias operações diárias, como a abertura ou fecho de uma válvula, ou arranque e paragem de grupos elevatórios. A análise desses impactos garante ao operador um nível fiável de informação apoiando-o na tomada de decisão.

3

SISTEMA MULTIMUNICIPAL DE ABASTECIMENTO DE ÁGUA À ÁREA SUL DO GRANDE PORTO

3.1 INTRODUÇÃO

O sistema de abastecimento de água objecto deste estudo é parte integrante do subsistema de Lever que, por sua vez, integra o Sistema Multimunicipal de Abastecimento de Água à Área Sul do Grande Porto, gerido pela empresa Águas do Douro e Paiva, SA.

No presente capítulo pretende-se fazer uma primeira abordagem ao sistema em análise, apresentando ao leitor uma breve descrição histórica da empresa Águas do Douro e Paiva, SA, desde a sua génese até ao seu progressivo desenvolvimento na procura da melhoria na qualidade do fornecimento de água às populações.

Posteriormente, ainda integrado neste capítulo, convida-se o leitor a familiarizar-se com o sistema de redes de distribuição de água do subsistema de Lever, no que diz respeito à sua localização geográfica, municípios abastecidos, populações servidas e uma breve caracterização dos pontos nevrálgicos do sistema: reservatórios e estações elevatórias.

Salienta-se que toda a informação constituinte do presente capítulo foi disponibilizada pela Águas do Douro e Paiva, SA e recolhida no sítio electrónico da empresa – www.addp.pt

3.2 ENQUADRAMENTO HISTÓRICO

Antes da constituição do Grupo Águas de Portugal, em 1993, eram enormes as deficiências tanto na exploração dos recursos hídricos como no próprio fornecimento de água potável à população. As rupturas constantes no abastecimento, a insuficiência de captações e a sua vulnerabilidade à poluição e, sobretudo, a generalizada falta de qualidade da água para consumo público deixavam transparecer o atraso estrutural do nosso país no capítulo da satisfação das necessidades básicas dos cidadãos.

Por outro lado, a gestão exclusivamente municipal dos recursos hídricos contribuía para o agravamento das assimetrias entre municípios e regiões. As autarquias mais pobres apresentavam, naturalmente, maiores carências ao nível do abastecimento público e menor capacidade para as

resolver, comprometendo assim o respectivo desenvolvimento socioeconómico. Perante esta conjuntura, houve necessidade de encontrar um modelo de gestão dos recursos hídricos em que as responsabilidades ao nível da captação, tratamento e adução de água fossem partilhadas por grupos de municípios de uma mesma região – escorados, como é natural, no conhecimento e no poder económico do Estado.

Surgiram assim os primeiros sistemas multimunicipais de abastecimento de água, concessionados a empresas com amplas competências técnicas, práticas de gestão modernas, massa crítica e capacidade de intervenção no perímetro urbano definido pelo conjunto de municípios accionistas.

Assistiu-se, então, a uma nova estratégia empresarial do sector e, desta forma, ao nascimento de uma verdadeira indústria da água, com notórias vantagens ao nível da qualidade do produto e da eficácia do serviço – Águas do Douro e Paiva, SA (2007).

3.3 BREVE HISTORIAL DA EMPRESA ÁGUAS DO DOURO E PAIVA, SA

O abastecimento de água potável constitui um serviço de vital importância para o desenvolvimento da qualidade de vida das populações. O desenvolvimento verificado nas últimas décadas tem exigido crescentes necessidades de água potável, pressionando as existentes estruturas de exploração e manutenção de abastecimento de água. As exigências actuais para a obtenção de uma resposta rápida e eficaz do ponto de vista da quantidade e da qualidade da água para consumo público requerem um grande esforço de investimento, dando-se actualmente grande relevância às políticas de racionalização e gestão dos recursos hídricos.

A necessidade de promover uma autêntica indústria da água, que assegurasse os interesses nacionais, a profissionalização do sector e dos seus serviços e a aceleração do ritmo dos investimentos, resultou na substituição dos tradicionais sistemas de distribuição municipal por sistemas mais abrangentes e eficazes, de carácter multi-municipal promovidos por parcerias inter-concelhios.

Surge, em Setembro de 1993, o IPE - Águas de Portugal, SGPS, SA (IPE - AdP), sociedade de capitais exclusivamente públicos, com o objectivo de criar sociedades concessionárias de sistemas de captação, tratamento e distribuição de água para consumo público, tanto a nível municipal como a nível multimunicipal.

O regime legal de gestão e exploração destes sistemas é estabelecido pelo Decreto-Lei nº379/93, de 5 de Novembro. O Decreto-Lei nº 116/95, de 29 de Maio, concretiza o quadro legal em relação ao Sistema Multimunicipal de Abastecimento de Água à Área Sul do Grande Porto e constitui a sociedade Águas do Douro e Paiva, SA (AdDP).

A Águas do Douro e Paiva, SA (AdDP), é uma sociedade de direito privado e capitais maioritariamente públicos em que a Águas de Portugal, SGPS, SA participa com 51% do capital social, sendo os restantes 49% assegurados pelos municípios accionistas.

A 26 de Julho de 1996 é então celebrado o Contrato de Concessão para Concepção, Construção, Exploração e Gestão do Sistema de Abastecimento de Água à Área Sul do Grande Porto.

A Águas do Douro e Paiva, SA é actualmente responsável pela concepção, construção e gestão do sistema de captação, tratamento e distribuição de água para consumo público, em alta, aos concelhos de Arouca, Castelo de Paiva, Cinfães, Espinho, Gondomar, Maia, Matosinhos, Oliveira de Azeméis, Ovar, Porto, São João da Madeira, Santa Maria da Feira, Valongo, Gaia, Felgueiras, Lousada, Paços

de Ferreira e Paredes. O sistema a gerir pela empresa engloba geograficamente os 18 municípios referidos.

A Águas do Douro e Paiva, SA assegura, em compromisso com o Estado Português e com as Autarquias, o fornecimento de água de qualidade aos 18 municípios, o abastecimento das quantidades contratadas com um custo socialmente aceitável, o desenvolvimento socioeconómico das populações e a promoção e respeito pelos valores ambientais – Freitas, Perdigão (2003).

Em 2002, a AdDP concretizou o objectivo de abastecer todos os municípios accionistas, com o arranque do fornecimento de água aos concelhos de São João da Madeira, Oliveira de Azeméis, Paços de Ferreira e Paredes. No final de 2006, o número de habitantes abastecidos pelo sistema rondou os 1,7 milhões, o que correspondeu a um consumo de cerca de 112 milhões de m^3 de água. Prevê-se que, até 2025, a população servida pelo sistema ascenda aos 1,8 milhões de indivíduos, sendo então o consumo de 125,5 milhões de m^3 de água por ano.

População e Consumos (m³/ano)

Anos	População	Consumos
2000	1 300 000	101 400 000
2005	1 700 000	114 300 000
2025	1 817 000	125 500 000

Fig. 3.1 – População e consumos

Infra-estruturas em Funcionamento em cada ano
(Construídas e reabilitadas)

	1998	2000	2003	2004	2005	2006
Estações de Tratamento de Água	1*	2	4	4	4	4
Reservatórios	5	8	17	23	27	27
Estações Elevatórias	3	9	16	22	24	24
Estações de Cloragem	1	2	6	8	8	8
Condutas (Km)	60	140	255	347	392	403

* ETA Compacta até à entrada em funcionamento da ETA de Lever

Fig. 3.2 – Infra-estruturas em funcionamento em cada ano

Para garantir maior eficácia no abastecimento de água a tão vasto e heterogéneo espaço geográfico, a empresa definiu dois subsistemas: o **Subsistema Lever** e o **Subsistema Vale do Sousa** – Águas do Douro e Paiva, SA (2007).

O Sistema em Exploração em 2006

	Concelhos Abastecidos	População	Consumos (m³/ano)
Subsistema Lever Sector Norte	Gondomar		
	Maia		
	Matosinhos		
	Porto		
	Valongo		
	Paredes		
	Subtotal	762 000	76 520 000
Subsistema Lever Sector Sul	Arouca		
	Espinho		
	Oliveira de Azeméis		
	Ovar		
	S.M. Feira		
	S.J. Madeira		
	V.N. Gaia		
	Subtotal	656 000	29 401 000
Subsistema Lever		1 418 000	105 921 000
Subsistema Vale do Sousa	Castelo de Paiva		
	Cinfães		
	Felgueiras		
	Lousada		
	Paços de Ferreira		
	Paredes		
	Subtotal	273 000	6 446 000
Totais		1 691 000	112 367 000

Fig. 3.3 – Concelhos abastecidos, população e consumos em 2006

3.4 O SUBSISTEMA LEVER

O Subsistema Lever tem o seu centro nevrálgico na albufeira da barragem de Crestuma - Lever, no rio Douro, onde se localiza o complexo de captação e tratamento de água de Lever**,** o qual alimenta uma rede de condutas adutoras com cerca de 250 km. É composto por infra-estruturas construídas de raiz e outras ainda que, depois de adquiridas pela empresa aos municípios accionistas, foram sujeitas a intervenções de beneficiação e readaptação a novas actividades.

Fig. 3.4 - Estação de Tratamento de Água de Lever

3.4.1 O COMPLEXO DE LEVER

O Complexo de Lever é responsável pelo abastecimento de água a mais de 1,4 milhões de habitantes de 13 municípios accionistas, o que corresponde a cerca de 85% da população abrangida pelo sistema. Está situado na margem esquerda do rio Douro e integra uma captação de água superficial, um reservatório de água bruta e outro de água tratada, uma unidade de pré-tratamento, uma Estação de Tratamento de Água (ETA), uma unidade de tratamento de lamas, uma estação elevatória, duas subestações eléctricas, além de três poços de captação em profundidade e mais duas estações elevatórias que lhes estão associadas, e ainda um laboratório de processo.

Fig. 3.5 – Poço de captação

Tanto os poços como as duas últimas Estações Elevatórias referidas pertenciam aos serviços municipalizados do Porto e de Vila Nova de Gaia e, até 2000, eram estas as infra-estruturas que asseguravam o abastecimento de água. É em Março desse ano que entra em funcionamento a ETA, com o intuito de reforçar a capacidade do sistema face à previsível evolução dos consumos de água.

Fig. 3.6 – Captação superficial

Na Fig. 3.7 está representada parte do mapa do Subsistema Lever. O sistema a modelar e no qual se foca o presente estudo encontra-se circunscrito a vermelho e ampliado na Fig. 3.8.

Fig. 3.7 – Mapa do Subsistema Lever

Fig. 3.8 – Sistema a modelar e legenda

A ETA de Lever começou a ser construída em Setembro de 1997 e, mercê de um investimento de cerca de 50 milhões de euros, tornou-se a mais emblemática infra-estrutura da AdDP. Emprega as mais modernas tecnologias no processo de tratamento, tem capacidade para produzir diariamente 400.000 m3 de água e o seu edifício encontra-se perfeitamente integrado na paisagem circundante.

Em 2004, o Complexo de Lever foi apetrechado com uma unidade de pré-tratamento para remoção da turvação excessiva da água captada no rio Douro e com um laboratório de processo onde são realizadas análises microbiológicas e físico-químicas de controlo da qualidade da água produzida nos vários complexos da AdDP.

Fig. 3.9 – Pré-tratamento

Em 2005 iniciou-se a obra de reforço da capacidade de tratamento da ETA de Lever, tendo em 2006 sido concluída a 1ª fase desta obra, considerada estratégica para o sistema multimunicipal. O projecto compreendeu a ligação à ETA dos poços aluvionares da albufeira de Crestuma-Lever, a construção de duas novas unidades de pré-tratamento de água e o reforço da capacidade de elevação, o que representou um investimento de cerca de 9 milhões de euros. Desta forma, a AdDP será uma das poucas empresas no país com capacidade para tratar água captada em poços aluvionares, sendo filtrada em leitos naturais de areia.

Esta solução proporciona não só uma maior fiabilidade e segurança no tratamento da água, como também permite, entre outras vantagens, a utilização de águas de profundidade eliminando a produção de lamas durante o processo de tratamento e possibilitando uma redução significativa dos encargos com reagentes.

O Subsistema Lever está, por seu turno, divido em **Sector Norte** e **Sector Sul**.

3.4.2 SECTOR NORTE

A água produzida em Lever com destino ao Sector Norte segue para a Estação de Cloragem de Jovim, onde passa por um tratamento de cloragem, sendo depois conduzida para o Reservatório e Estação Elevatória de Jovim. Daqui ou prossegue em direcção à zona sul do concelho do Porto, ou é bombeada para o Reservatório de Ramalde, em Gondomar.

Fig. 3.10 – Túnel de Jovim

Deste último, a água segue para o Reservatório de Pedrouços, sendo parte dela desviada durante o percurso, através de uma derivação, para abastecimento dos concelhos de Gondomar, Valongo e Paredes.

Fig. 3.11 – Estação Elevatória de Jovim

Refira-se, ainda, que o Reservatório de Pedrouços fornece água aos concelhos da Maia, Matosinhos, parte de Gondomar e zona norte do Porto. O Subsistema de Lever comporta ainda uma conduta entre o Reservatório de Monte Pedro, em Gondomar, e o Reservatório de Gandra, em Paredes, através da qual é abastecida a zona ocidental deste último concelho.

Para implementar toda esta rede de condutas adutoras, numa extensão total de aproximadamente 95 km, foi desenvolvido um vasto conjunto de intervenções, abrangendo quer a reabilitação, quer o reforço de infra-estruturas.

Para responder às necessidades futuras de aprovisionamento de água às populações, a AdDP construiu um terceiro ramal a partir de Lever: o Eixo Adutor ETA de Lever - Lagoa - Jovim. Este eixo assegura o transporte de água da ETA de Lever, onde os recursos hídricos são captados, tratados e distribuídos, para o complexo de Lagoa e deste para o de Jovim, que alimenta os municípios da margem direita do rio Douro (Sector Norte). O investimento total neste eixo foi de cerca de 21 milhões de euros.

Fig. 3.12 – Reservatório de Jovim

Uma “peça” fundamental do eixo adutor é a conduta Lagoa-Jovim, inaugurada no final de 2003. Com 1 400 mm de diâmetro e uma extensão de cerca de 5 km, esta conduta estabelece uma nova linha adutora entre os sectores sul e norte do sistema de abastecimento.

Através desta infra-estrutura, a água é escoada de Lagoa, na margem esquerda do Douro, para o Reservatório e Estação Elevatória de Jovim, na margem direita, que é o grande complexo distribuidor do sector norte. Foi então necessário realizar obras de atravessamento dos rios Douro (Fig. 3.10) e Sousa, operação que se revestiu de alguma complexidade técnica. Foram investidos 8 milhões de euros nesta infra-estrutura.

3.4.3 SECTOR SUL

A água para abastecimento da zona a sul do rio Douro é elevada da ETA de Lever até ao Reservatório e Estação Elevatória de Seixo Alvo. Para tal, foi construída uma nova conduta adutora entre Lever e Seixo Alvo, bem como um conjunto de instalações de grande capacidade de armazenamento: o Reservatório e Estação Elevatória de Lagoa.

O Reservatório e Estação Elevatória de Seixo Alvo alimentam o Sector Sul através de uma rede de adutoras integradas no sistema, as quais foram complementadas por um conjunto de novas infra-estruturas de adução, de forma a permitir o abastecimento adequado aos municípios da margem esquerda do rio Douro. O Sector Sul estende-se ao longo de cerca de 155 km de condutas.

Fig. 3.13 – Vista aérea do reservatório e estação elevatória de Lagoa

3.5 SUBSISTEMA VALE DO SOUSA

A partir de 1998, o Sistema Multimunicipal passou a abastecer, igualmente, os municípios de Castelo de Paiva, Cinfães, Felgueiras, Lousada, Paços de Ferreira e Paredes, o que motivou a criação do Subsistema Vale do Sousa.

Neste subsistema coexistem infra-estruturas municipais, que foram sujeitas a intervenções de ampliação e reabilitação, e linhas de adução novas, construídas de raiz, numa extensão aproximada de 125 km.

O Subsistema Vale do Sousa tem como principal origem de água a captação da Ponte da Bateira no rio Paiva, sendo a água tratada na ETA de Castelo de Paiva. São ainda utilizadas as captações nos rios Douro (ETA de Lever), Ferreira (ETA do Ferreira), Ferro e Vizela (ETA do Ferro).

A configuração do subsistema de abastecimento à Região do Vale do Sousa divide-o nos **Sectores Paiva**, **Entre-os-Rios** e **Norte**, no entanto, dispensa-se informação mais detalhada sobre este subsistema uma vez que não é abrangido pelo propósito do presente trabalho.

Fig. 3.14 - Mapa do Subsistema Vale do Sousa

3.6 PREOCUPAÇÕES AMBIENTAIS

A actividade da AdDP assenta nos pilares Captação, Tratamento e Adução de Água para Consumo Humano, e elege o respeito e a relação com o ambiente como a sua principal prioridade. Esta preocupação está bem patente na forma como a empresa mantém o seu quadro de exigências ao nível da redução de perdas de água, da redução do consumo energético, da gestão de resíduos, da insonorização das suas instalações, da gestão das substâncias que empobrecem a camada de ozono existentes nos equipamentos de refrigeração e dos riscos ambientais associados à sua actividade (roturas de condutas ou de reservatórios, fugas ou derrames de produtos químicos).

3.6.1 PERDAS DE ÁGUA

Desde 1998 que a redução das perdas de água (físicas, ligações indevidas à rede e consumos não facturados) se tornou um assunto central na estratégia da empresa. Essa preocupação deu desde logo os seus frutos ao permitir reduzir as perdas para os actuais valores inferiores a 1%, índice bastante baixo quando comparado com o que é habitual em sistemas de adução de água em alta. Apesar dos bons resultados, a empresa reconhece que a manutenção do desempenho alcançado implica esforços contínuos nesta matéria.

Fig. 3.15 – Perdas de água (m³/ano) entre 1998 e 2006

3.6.2 RUÍDO

Actualmente, em todas as novas instalações construídas pela empresa, o controlo da emissão de ruído é assegurado, desde logo, na fase de projecto. No que toca às instalações mais antigas, a empresa promoveu os investimentos necessários para a sua insonorização, de forma a cumprir a exigente legislação nacional e comunitária.

3.6.3 EMISSÕES GASOSAS

Também no desenvolvimento da sua actividade, as emissões gasosas estão limitadas às decorrentes das viaturas que utiliza, dos geradores de emergência e dos seus laboratórios de análises da qualidade da água. Bastante inferiores às emissões de Dióxido de Carbono das viaturas são as emissões provenientes da utilização dos geradores de emergência.

A AdDP procedeu ainda à identificação e quantificação das substâncias que empobrecem a camada do ozono em todos os seus equipamentos de refrigeração (frigoríficos das cozinhas e dos laboratórios e aparelhos de ar condicionado).

3.6.4 POUPANÇA ENERGÉTICA

Para captar, tratar e transportar a água até aos Clientes é necessário o consumo de grandes quantidades de energia eléctrica, daí que um dos objectivos preconizados pela empresa seja a poupança energética. No que se refere em particular à gestão energética, destacam-se os resultados atingidos através da transferência de consumos das horas de ponta para vazio, que decorreram dos processos de optimização da adução de água, os quais para além das evidentes vantagens económico-financeiras, se apresentam benéficos para o sistema nacional de energia reduzindo os impactos ambientais negativos associados à sua produção. É de notar que o esforço desenvolvido no aumento da eficiência energética é realizado num contexto em que a empresa, em termos globais, apresenta já um valor, no indicador do IRAR que mede a eficiência energética nas instalações elevatórias, abaixo do valor referência apresentado por aquele instituto (0,4 kWh/m^3/100m de altura manométrica).

Fig. 3.16 – Consumo de energia eléctrica em 2006

3.6.5 IMPACTO PAISAGÍSTICO

Ainda a atestar a preocupação ambiental da AdDP, nenhuma das instalações da empresa se encontra localizada em zonas de Parque Nacional, de Parque Natural ou Reserva Natural e Paisagem Protegida, tendo a empresa promovido a adequação das suas obras ao valor ambiental dos locais em que as mesmas se inserem, particularmente no que se refere à Rede Natura 2000. Contudo, dada a localização de algumas instalações em zonas particularmente sensíveis, a AdDP considerou importante implementar medidas de minimização do impacto paisagístico nessas instalações. Destaca-se assim, quer a ETA de Lever, que incluiu a colocação de painéis de xisto nas fachadas, quer a captação da Ponte da Bateira cuja Estação Elevatória, por analogia com os moinhos da região, foi também revestida com xisto - Águas do Douro e Paiva, SA (2007).

3.6.6 PRINCIPAIS INDICADORES

Fig. 3.17 – Principais Indicadores

4

SIMULAÇÃO HIDRÁULICA EM SISTEMAS DE ABASTECIMENTO DE ÁGUA - EPANET 2.0

4.1 NOTA INTRODUTÓRIA

O presente capítulo apresenta o software EPANET que serviu de apoio à concretização deste estudo.

Recomenda-se que, para um mais aprofundado conhecimento do programa e das suas potencialidades, se consulte o "MANUAL DO UTILIZADOR EPANET 2.0" da autoria de Lewis A. Rossman da *United States Environmental Protection Agency* e traduzido para português pelo Núcleo de Engenharia Sanitária do Departamento de Hidráulica e Ambiente do Laboratório Nacional de Engenharia Civil.

O autor, tomando por modelo o documento referido, procurará expor ao leitor as funcionalidades do programa, no que respeita ao objectivo deste trabalho.

4.2 O EPANET 2.0

O programa *Epanet 2.0* é uma ferramenta que permite criar e fazer simulações estáticas e dinâmicas de modelos de sistemas de distribuição de água, dando ao utilizador a capacidade de, através da concepção de vários cenários de projecto, compreender e analisar o comportamento hidráulico de redes de distribuição de água em pressão.

Uma rede é constituída por tubagens, bombas, válvulas, reservatórios de nível fixo e/ou reservatórios de nível variável. O EPANET permite obter os valores do caudal em cada tubagem, da pressão em cada nó, da altura de água em cada reservatório de nível variável e da concentração de substâncias químicas através da rede durante o período de simulação.

O EPANET foi concebido para ser uma ferramenta de apoio à análise de sistemas de distribuição, podendo ser utilizado em diversas situações onde seja necessário efectuar simulações de sistemas, como por exemplo:

- estabelecimento de cenários de projecto;
- calibração de modelos hidráulicos;
- análise do decaimento do cloro residual;
- avaliação de consumos.

O EPANET pode ainda ajudar a analisar estratégias alternativas de gestão, de modo a melhorar a qualidade da água no sistema, através de:

- alterações na utilização da origem de água num sistema com múltiplas origens;
- alteração do esquema de funcionamento de grupos elevatórios e enchimento/vazamento de reservatórios de nível variável;
- utilização de tratamento adicional, como seja a recloragem;
- selecção de tubagens para limpeza e substituição.

Em ambiente Windows, o EPANET fornece um ambiente integrado para editar dados de entrada da rede, executar simulações hidráulicas e de qualidade da água e visualizar os resultados em vários formatos – Rossman (2000).

4.2.1 Capacidades de Modelação Hidráulica

Uma rede completamente caracterizada e uma modelação hidráulica fiável constituem pré-requisitos essenciais para a correcta modelação de um sistema. O EPANET contém um conjunto de ferramentas de cálculo para apoio à simulação hidráulica, de que se destacam como principais características:

- dimensão ilimitada (número de componentes) da rede a analisar;
- cálculo da perda de carga utilizando as fórmulas de Hazen-Williams, Darcy-Weisbach ou Chezy-Manning;
- consideração das perdas de carga singulares em curvas, alargamentos, estreitamentos, etc;
- modelação de bombas de velocidade constante ou variável;
- cálculo da energia de bombeamento e do respectivo custo;
- modelação dos principais tipos de válvulas (válvulas de seccionamento, de retenção, reguladoras de pressão e de caudal);
- modelação de reservatórios de nível variável através de curvas de volume em função da altura de água;
- múltiplas categorias de consumos nos nós, cada uma com um padrão próprio de variação temporal;
- modelação da relação entre pressão e caudal efluente de dispositivos emissores;
- possibilidade de basear as condições de operação do sistema em controlos simples, dependentes de uma só condição ou em controlos com condições múltiplas.

4.2.2 Passos a Seguir na Utilização do EPANET

A modelação de um sistema de distribuição de água através do EPANET utiliza tipicamente os seguintes passos:

i. desenhar uma representação esquemática do sistema de distribuição ou importar uma descrição-base do sistema a partir de um ficheiro de texto;
ii. editar as propriedades dos objectos que constituem o sistema;
iii. descrever as condições de operacionalidade do sistema;
iv. seleccionar um conjunto de opções de simulação;
v. executar uma simulação hidráulica ou de qualidade da água;
vi. visualizar os resultados da simulação.

4.3 O MODELO DA REDE

Este subcapítulo refere o modo como o EPANET modela os objectos físicos que constituem um sistema de distribuição de água, assim como os parâmetros operacionais – Rossman (2004).

4.3.1 COMPONENTES FÍSICOS

O EPANET modela um sistema de distribuição de água como sendo um conjunto de troços ligados a nós. Os troços representam as tubagens, bombas e válvulas de controlo. Os nós representam junções, reservatórios de nível fixo (RNF) e reservatórios de nível variável (RNV). A Fig. 4.1 representa um o modo como os componentes físicos de uma rede se interligam entre si.

Fig. 4.1 – Componentes físicos de um sistema de abastecimento de água

4.3.1.1 Nós

Os nós são os pontos da rede que fazem a ligação entre troços e onde a água entra e sai da rede. Os principais dados de entrada para os nós são:

- Cota acima de determinado nível de referência (usualmente o nível médio do mar);
- Consumo;
- Qualidade inicial da água.

Em cada instante de simulação obtêm-se os seguintes resultados para os nós da rede:

- Carga hidráulica total (nível de água no caso de RNF e RNV);
- Pressão (altura piezométrica);
- Qualidade da água.

Os nós podem ainda apresentar as seguintes características:

- apresentar um consumo variável no tempo;
- possuir múltiplas categorias de consumo associadas;
- ter consumos negativos, indicando que há entrada de água na rede;
- conter dispositivos emissores do tipo orifício, os quais fazem com que o caudal efluente dependa da pressão.

Junction Entr_Crestuma

Property	Value
*Junction ID	Entr_Crestuma
X-Coordinate	-32163.06
Y-Coordinate	154571.50
Description	
Tag	
*Elevation	214
Base Demand	13.02721105
Demand Pattern	Ent_Crestuma
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	9.53
Total Head	216.00
Pressure	2.00
Quality	0.00

Fig. 4.2 – Propriedades de um nó

4.3.1.2 Reservatórios de Nível Fixo

Os reservatórios de nível fixo são nós especiais que representam um volume de armazenamento de água de capacidade ilimitada e carga hidráulica constante. São utilizados para simular lagos, rios ou aquíferos ou, mais frequentemente, ligações a outros sistemas.

Os principais parâmetros a inserir nas propriedades dos reservatórios de nível fixo são o Nível de Água e, caso se pretenda, a qualidade inicial da água para simulações de qualidade.

As propriedades dos reservatórios de nível fixo são totalmente independentes do funcionamento da rede, o que decorre da sua capacidade ser ilimitada. Assim, a respectiva carga hidráulica e qualidade da água não são afectados durante os períodos de simulação. No entanto, é possível ao utilizador pré-definir que a carga hidráulica de um reservatório de nível fixo seja variável o tempo, atribuindo-lhe um padrão temporal.

Reservoir Agua_Tratada_1

Property	Value
*Reservoir ID	Agua_Tratada_1
X-Coordinate	-28920.00
Y-Coordinate	156115.00
Description	Celula 1 Agua Tratada
Tag	
*Total Head	26.3
Head Pattern	
Initial Quality	
Source Quality	
Net Inflow	-7109.53
Elevation	26.30
Pressure	0.00
Quality	0.00

Fig. 4.3 – Propriedades de um RNF

4.3.1.3 Reservatórios de Nível Variável

Os reservatórios de nível variável são também nós especiais da rede em que a capacidade de armazenamento é limitada, podendo o volume de água variar ao longo do tempo. Este tipo de nós é definido pelas seguintes propriedades:

- Cota do fundo (onde a altura de água é zero);
- Diâmetro (ou curva de volume, se a forma não for cilíndrica);
- Altura de água mínima;
- Altura de água máxima;
- Altura de água inicial para o cenário a modelar;
- Qualidade da água inicial.

Tank Res_Lagoa_1

Property	Value
*Tank ID	Res_Lagoa_1
X-Coordinate	-31926.09
Y-Coordinate	155612.90
Description	
Tag	
*Elevation	147
*Initial Level	2
*Minimum Level	0
*Maximum Level	6
*Diameter	60.9394
Minimum Volume	
Volume Curve	
Mixing Model	MIXED
Mixing Fraction	
Reaction Coeff.	
Initial Quality	
Source Quality	
Net Inflow	-3720.88
Elevation	149.00
Pressure	2.00
Quality	0.00

Fig. 4.4 – Propriedades de um RNV

Os principais resultados produzidos pela simulação ao longo do tempo são:

- Carga hidráulica (nível de água);
- Qualidade da água.

Os reservatórios de nível variável são modelados para operar entre as alturas mínima e máxima. O EPANET interrompe a saída ou entrada de água do reservatório de nível variável se for atingida a altura de água mínima ou máxima, respectivamente.

4.3.1.4 Tubagens

As tubagens são troços que transportam água entre os diversos pontos da rede. O EPANET considera que o escoamento se processa em pressão em todas as tubagens, ao longo da simulação. O escoamento ocorre dos pontos de carga hidráulica mais elevada para os pontos com carga hidráulica mais baixa. Os principais parâmetros que definem as tubagens são:

- Nó inicial e final;
- Diâmetro;
- Comprimento;
- Coeficiente de rugosidade (cálculo da perda de carga contínua);
- Estado (aberto, fechado ou contendo uma válvula de retenção).

A opção Estado permite que, de modo indirecto, a tubagem contenha uma válvula de seccionamento ou uma válvula de retenção, que limita o escoamento na tubagem a apenas um sentido.

No caso de uma simulação de qualidade de água, os dados a inserir são:

- Coeficiente de reacção no seio do escoamento;
- Coeficiente de reacção na tubagem.

Pipe 6240TA010

Property	Value
*Pipe ID	6240TA010
*Start Node	6240CV010
*End Node	6240CV020
Description	
Tag	
*Length	74
*Diameter	1400
*Roughness	0.15
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	9683.19
Velocity	1.75
Unit Headloss	1.43
Friction Factor	0.013
Reaction Rate	0.00
Quality	0.00
Status	Open

Fig. 4.5 – Propriedades de uma tubagem

Em resultado da simulação, obtêm-se as seguintes grandezas relativas às tubagens:

- Caudal;
- Velocidade;
- Perda de carga (por 1000 metros de tubagem);
- Factor de resistência ou factor de Darcy-Weisbach;
- Valor médio da taxa de reacção para o parâmetro de qualidade da água simulado (ao longo da tubagem);
- Concentração média do parâmetro de qualidade da água simulado (ao longo da tubagem).

A perda de carga hidráulica na tubagem pode ser determinada de acordo com uma das seguintes fórmulas:

- Hazen-Williams
- Darcy-Weisbach
- Chezy-Manning

A fórmula de Hazen-Williams é uma das mais utilizadas para o cálculo da perda de carga em sistemas em pressão. Apenas pode ser utilizada para a água e foi inicialmente desenvolvida apenas para escoamento turbulento.

A fórmula de Darcy-Weisbach é teoricamente a mais correcta e é aplicável a todos os regimes de escoamento e a todos os líquidos.

A fórmula de Chezy-Manning é utilizada usualmente em escoamentos em superfície livre.

As fórmulas referidas baseiam-se na seguinte expressão para calcular a perda de carga contínua ao longo de uma tubagem (entre dois nós):

$$h_L = A \cdot q^B \tag{1}$$

onde $h_L =$ perda de carga (Comprimento), $q =$ caudal (Volume/Tempo), $A =$ termo de perda de carga e $B =$ expoente do caudal. A tabela 4.1 apresenta para cada fórmula as expressões para o termo de perda de carga e os valores para o expoente do caudal em unidades SI. Cada fórmula utiliza um coeficiente diferente determinado empiricamente.

A tabela 4.2 apresenta os intervalos de variação dos diferentes coeficientes consoante o tipo de material da tubagem.

Note-se que esses valores referem a tubagens novas e que os coeficientes das fórmulas de perda de carga podem alterar-se significativamente com a idade da tubagem

Tabela 4.1 – Fórmulas para cálculo de perda de contínua

Fórmula	Termo de perda de carga *(A)*	Expoente do caudal *(B)*
Hazen-Williams	$10.7C^{-1.852}d^{-4.87}L$	1.852
Darcy-Weisbach	$0.083f(\varepsilon, d, q)d^{-5}L$	2
Chezy-Manning	$10.3n^2d^{-5.33}L$	2

em que:

C - coeficiente da fórmula de Hazen-Williams (adimensional)
ε - rugosidade absoluta ou rugosidade de Darcy-Weisbach (mm)
f - factor de Darcy-Weisbach (depende de ε, d e q)
n - coeficiente de rugosidade de Manning
d - diâmetro da tubagem (m)
L - comprimento da tubagem (m)
q - caudal (m^3/s)

Tabela 4.2 – Coeficientes das fórmulas de perda de carga para tubagens novas

Material	C, Hazen-Williams (adimensional)	ε, Darcy-Weisbach (mm)	n, Manning (adimensional)
Ferro fundido	130 – 140	0.25	0.012 – 0.015
Betão	120 – 140	0.3 – 3	0.012 – 0.017
Ferro galvanizado	120	0.15	0.015 – 0.017
Plástico	140 – 150	0.0015	0.011 – 0.0015
Aço	140 – 150	0.03	0.015 – 0.017
Grés	110	0.3	0.013 – 0.015

As tubagens podem estar abertas ou fechadas (através de válvulas de seccionamento – Ver 4.3.1.7-Válvulas) em determinados períodos da simulação ou quando ocorrem determinadas condições específicas de operação. O utilizador pode definir condições de operação controlando a abertura ou fecho da tubagem quando, por exemplo, a água atinge determinado nível num reservatório ou determinada pressão num nó. (Ver 4.4.2 - Controlos).

No projecto do sistema de distribuição a simular foi utilizada a fórmula de perda de carga de Darcy-Weisbach e considerada uma rugosidade de 0.15 mm para todas as tubagens.

Adoptando a fórmula de Darcy-Weisbach, o EPANET utiliza diferentes métodos para calcular o factor de resistência (f), consoante o regime de escoamento:

- A fórmula de Hagen-Poiseuille, para regime laminar (Re < 2000);
- A fórmula de Swamee e Jain, como aproximação da fórmula de Colebrook-White, para escoamento turbulento rugoso (Re > 4000)
- Uma interpolação cúbica, a partir do ábaco de Moody, para o escoamento turbulento de transição (2000 < Re < 4000).

4.3.1.5 Perdas de Carga Singulares

As perdas de carga singulares ou localizadas são resultado do aumento da turbulência do escoamento devido à existência de curvas, alargamentos e estreitamentos. A tipologia da rede e o grau de exactidão

pretendido define a inclusão ou não de tais perdas na simulação. Estas perdas de carga podem ser consideradas atribuindo às tubagens um coeficiente de perda de carga singular e são determinadas pelo produto deste coeficiente pela altura cinética do escoamento conforme indica a seguinte expressão:

$$h_L = K(\frac{v^2}{2g}) \tag{2}$$

onde $K =$ coeficiente de perda de carga singular, $v =$ velocidade do escoamento (Comprimento/Tempo) e $g =$ aceleração da gravidade (Comprimento/Tempo ²).

4.3.1.6 Bombas

As bombas são troços da rede que aumentam a carga hidráulica transferindo energia para o escoamento. Os principais dados a atribuir às bombas são os nós inicial e final e a curva da bomba (combinação de valores de carga hidráulica e caudal que definem a curva de funcionamento).

Em vez da curva característica, as bombas podem ser definidas por um parâmetro que forneça um valor constante de energia ao escoamento (horsepower - hp, quilowatt - kW), para todas as combinações de caudal e carga hidráulica.

Fig. 4.6 – Curva característica de uma bomba

Os resultados produzidos pela simulação são o caudal bombeado e a altura de elevação. O escoamento através da bomba é unidireccional. Se as condições de operação do sistema exigirem maior carga hidráulica do que aquela que pode ser fornecida pela bomba ao escoamento, o programa desliga a bomba. Se for necessário um caudal superior ao valor máximo, o EPANET extrapola a curva característica da bomba para o caudal pretendido, mesmo que se obtenha uma carga hidráulica negativa. Em ambas as situações, uma mensagem de aviso será mostrada.

Pump Lagoa_1

Property	Value
*Pump ID	Lagoa_1
*Start Node	EE_Lagoa_2
*End Node	EE_Lagoa_4
Description	
Tag	
Pump Curve	CCB_Lagoa
Power	
Speed	
Pattern	
Initial Status	Open
Effic. Curve	Efic_Lagoa
Energy Price	
Price Pattern	
Flow	1119,33
Headloss	-72,91
Quality	0,00
Status	Open

Fig. 4.7 – Propriedades de uma bomba

Tal com as tubagens, as bombas podem ser ligadas ou desligadas em determinados períodos de tempo ou quando ocorrem determinadas condições de operação na rede. O EPANET também pode determinar o consumo de energia e o custo de bombeamento. A cada bomba pode ser associada uma curva de rendimento do grupo electrobomba e uma tabela de preços de energia.

4.3.1.7 Válvulas

Do ponto de vista da modelação, as válvulas são troços especiais de comprimento nulo, que provocam uma perda de carga de acordo com determinadas características e limitam assim a pressão ou o caudal para jusante. Uma válvula pode ser utilizada no modelo para representar um dispositivo deste tipo que exista fisicamente no sistema, o que constitui a sua aplicação mais corrente, ou como artifício para simular condições de funcionamento específicas – Coelho *et al* (2006).

As válvulas são troços que limitam a pressão ou o caudal num ponto da rede. Os principais dados de simulação a introduzir na definição das válvulas são:

- Nós inicial e final;
- Diâmetro;
- Parâmetro de controlo na válvula;
- Estado;
- Tipo de válvula.

Os principais resultados fornecidos pela simulação são o caudal e a perda de carga.

Valve Borboleta_Lagoa

Property	Value
*Valve ID	Borboleta_Lagoa
*Start Node	Lever-Lagoa
*End Node	Trans_Lagoa_1
Description	
Tag	
*Diameter	1800
*Type	TCV
*Setting	0
Loss Coeff.	0
Fixed Status	Open
Flow	3360,87
Velocity	0,37
Headloss	0,00
Quality	0,00
Status	Open

Fig. 4.8 – Propriedades de uma válvula

Os principais tipos de válvulas modeladas pelo EPANET são:

- Válvula de Controlo de Pressão a Jusante ou Válvula Redutora de Pressão (VRP/PRV);
- Válvula de Controlo de Pressão a Montante ou Válvula de Alívio (VA/PSV);
- Válvula de Perda de Carga Fixa (VPCF/PBV);
- Válvula Reguladora de Caudal (VRC/FCV);
- Válvula de Controlo de Perda de Carga ou Válvula de Borboleta (VB/TCV);
- Válvula Genérica (VG/GPV);
- Válvula de Retenção (VR/CV) – modelada como propriedade da tubagem;
- Válvula de Seccionamento – modelada como propriedade da tubagem.

Atente-se nas abreviaturas entre parêntesis, em que são indicadas as siglas em português e em inglês. De facto, na definição do tipo de válvula a introduzir no EPANET, a abreviatura correspondente aparece em inglês, como se pode confirmar na Fig. 4.8.

No EPANET e na generalidade dos simuladores existentes no mercado, as válvulas de seccionamento e as válvulas de retenção não são modeladas como elementos individualizados, mas sim como atributos das condutas, podendo estar activadas ou não.

Válvula de retenção (CV)

As válvulas de retenção impedem que o escoamento nas condutas se processe num dos sentidos. A sua utilização destina-se sobretudo a evitar a inversão do escoamento nas bombas ou a garantir que os volumes de água armazenados nos reservatórios não retornem à rede.

No caso das estações elevatórias não é necessário modelar as válvulas de retenção existentes a jusante dos grupos, uma vez que o EPANET não permite a inversão do escoamento através de uma bomba.

Devem colocar-se válvulas de retenção a montante dos reservatórios de nível variável, mesmo nos casos em que os reservatórios possuam uma entrada de água por cima (Ver **Válvulas de alívio**), configuração que por natureza impede a inversão do escoamento.

No EPANET, uma válvula de retenção é modelada como um atributo da conduta, configurando o estado inicial para CV, o que faz com que o escoamento se processe apenas do nó inicial para o nó final, e com que a conduta seja dada como fechada no caso oposto.

Válvula de seccionamento

As válvulas de seccionamento são o tipo mais comum de válvulas em sistemas de abastecimento de água e servem para interromper o escoamento nas secções onde se encontram instaladas. O EPANET define este tipo de válvulas como uma propriedade das condutas, podendo estas estar abertas ou fechadas, simplificando assim o volume de informação a fornecer ao modelo.

Válvula de borboleta (TCV)

As válvulas de borboleta destinam-se a regular ou a interromper o escoamento nas secções onde se encontram instaladas. As válvulas de seccionamento mais importantes são modeladas como válvulas de borboleta (TCV). Para este tipo de válvulas, o parâmetro de controlo a especificar corresponde a uma relação entre o grau de fecho e a perda de carga resultante.

Válvula reguladora de caudal (FCV)

Estas válvulas servem para limitar o caudal máximo (consigna de caudal) nas condutas onde se encontram instaladas. A regulação de caudal é efectuada através da propriedade "**parâmetro de controlo**", podendo ser variável ao longo do tempo.

No EPANET, quando o caudal que circula na conduta onde a válvula está inserida é inferior ao valor estipulado, o programa emite uma mensagem de aviso do tipo: *"warning message: FCV 209 open but cannot deliver flow"*. Esta mensagem de aviso é apenas informativa e surge sempre que não seja possível ou desejável fornecer o caudal para o qual foi regulada, situação que pode ser frequente e é perfeitamente aceitável.

Válvula redutora de pressão (PRV)

As válvulas redutoras de pressão têm como função limitar a pressão a jusante, de forma a não exceder determinado valor definido pelo utilizador no campo "**parâmetro de controlo**". O parâmetro de regulação é o valor da pressão desejado a jusante. Caso a pressão a montante seja inferior à pressão reguladora da válvula, esta abre completamente e a pressão a jusante será igual à de montante.

Válvula de alívio (PSV)

A válvula de alívio destina-se a manter um certo valor da pressão a montante da secção onde está instalada, definido pelo utilizador. A válvula está activa quando a pressão a jusante é inferior ao valor de regulação, mantendo a pressão a montante igual a esse valor. A válvula abre completamente se a pressão a jusante for superior a esse valor e inferior à pressão de montante; e fecha se a pressão a jusante for superior à de montante, pois não permite a inversão do escoamento.

Este tipo de válvula é frequentemente utilizado como artifício de simulação para modelar uma entrada de água por cima do limite superior de um reservatório de nível variável. A válvula é regulada para manter uma pressão a montante do RNV igual à altura de entrada da água no reservatório.

Cuidados especiais relativos à modelação de válvulas

Devido ao modo como as válvulas são modeladas, deve ter-se em atenção as seguintes regras quando se inserem novas válvulas num modelo (Coelho *et al*, 2006):

- uma PRV, PSV ou FCV não pode ser ligada directamente a um reservatório de nível fixo ou a um reservatório de nível variável, sendo necessário utilizar uma conduta de pequena extensão para separar os dois componentes;
- duas PRVs não podem partilhar a mesma conduta de jusante nem podem estar ligadas em série;
- duas PSVs não podem partilhar a mesma conduta de montante nem podem estar ligadas em série;
- uma PSV não pode ser ligada ao nó de jusante de uma PRV.

4.3.2 COMPONENTES NÃO - FÍSICOS

Além dos componentes físicos, o EPANET permite definir categorias de informação sobre a rede (curvas, padrões e consumos) que descrevem o comportamento e os aspectos operacionais de um sistema.

4.3.2.1 Curvas

As curvas contêm pares de dados que relacionam duas grandezas. Uma curva pode ser atribuída a duas ou mais componentes. O EPANET permite utilizar os seguintes tipos de curvas:

- Curva da bomba;
- Curva de rendimento;
- Curva de volume;
- Curva de perda de carga.

Curva da Bomba

A curva da bomba representa uma relação entre a altura de elevação e o caudal, definindo as condições de funcionamento. A altura de elevação representa a energia fornecida ao escoamento pela bomba e é representada no eixo das ordenadas, em metros. O caudal é representado no eixo das abcissas, nas unidades respectivas. Uma curva da bomba válida deve apresentar alturas de elevação decrescentes com o aumento do caudal (Fig. 4.6 – Curva característica de uma bomba).

O EPANET define as curvas das bombas quando o utilizador introduz os valores de altura de elevação e caudal. A curva é automaticamente definida quando se introduzem os pontos necessários à devida configuração da curva. No entanto, o EPANET é capaz de gerar uma curva da bomba com apenas um único par de valores (altura de elevação-caudal). Esse ponto fornecido pelo utilizador deverá corresponder ao ponto de funcionamento óptimo da bomba.

Fig. 4.9 – Curva da bomba com vários pontos e curva com apenas um ponto

Curva de Rendimento

Uma curva de rendimento relaciona o rendimento do grupo com o caudal bombeado. O rendimento do grupo electrobomba está representado em percentagem no eixo das ordenadas. O caudal bombeado está representado no eixo das abcissas nas unidades respectivas a esta grandeza.

A curva de rendimento é apenas utilizada para cálculos energéticos e, se não for fornecida para uma bomba específica, deve fixar-se um valor global constante para o rendimento, através do editor de Opções de Energia.

Da mesma forma que a curva da bomba, a curva de rendimento também é gerada a partir de pares de valores (rendimento-caudal) introduzidos pelo utilizador.

Fig. 4.10 – Curva de Rendimento

Curva de Volume

As curvas de volume são utilizadas quando é necessário representar com exactidão reservatórios de nível variável, para os quais a respectiva secção varia com a altura. São curvas que relacionam o volume de água disponível no reservatório (eixo das ordenadas) com a altura de água (eixo das abcissa). As alturas de água mínima e máxima da curva de volume devem conter os valores mínimo e máximo de água para os quais o reservatório de nível variável opera.

No presente estudo, não foi necessário recorrer a curvas de volume uma vez que todos os reservatórios constituintes do sistema têm secção constante.

Curva de Perda de Carga

As curvas de perda de carga relacionam a perda de carga (eixo das ordenadas em unidades de comprimento) com o caudal (eixo das abcissas). São utilizadas para modelar dispositivos e situações com uma relação perda de carga-caudal específica.

4.3.2.2 Padrões Temporais

Um Padrão Temporal é constituído por um conjunto de factores multiplicativos que podem ser aplicados ao valor de uma determinada grandeza, de forma a traduzir a sua variação no tempo. O consumo nodal, a carga hidráulica num reservatório de nível fixo, os esquemas de bombeamento e a entrada de um parâmetro de qualidade da água na rede podem estar associados a um padrão temporal.

O passo de tempo do padrão utilizado em todos os padrões assume um valor fixo. Em cada passo de tempo, o valor da grandeza mantém-se constante, igual ao produto do seu valor nominal pelo factor multiplicativo do padrão respectivo a esse passo de tempo.

Embora todos os padrões temporais tenham que utilizar o mesmo passo de tempo, cada padrão pode apresentar um número diferente de passos de tempo.

Apresenta-se na Fig. 4.11 um exemplo de um padrão relativo a um consumo nodal.

Fig. 4.11 – Padrão temporal

4.3.2.3 Controlos

Os controlos constituem um conjunto de instruções de operação do sistema ao longo do tempo. Especificam o estado de troços em função do tempo, da altura de água nos reservatórios de nível variável e valores de pressão em pontos específicos da rede. Existem duas categorias de controlos:

- Controlos Simples
- Controlos com Condições Múltiplas

Controlos Simples

Os controlos simples alteram o estado ou as propriedades de um troço com base nos seguintes parâmetros:

- altura de água num reservatório de nível variável;
- pressão num nó;
- instante de simulação;
- instante do dia.

Na Fig. 4.12 apresentam-se alguns exemplos de controlos simples – Rossman (2000).

Instruções de controlo	*Significado*
LINK 12 CLOSED IF NODE 23 ABOVE 6	(Fechar o Troço 12 se a altura no RNV 23 exceder 6 m)
LINK 12 OPEN IF NODE 130 BELOW 30	(Abrir o Troço 12 se a pressão no Nó 130 for inferior a 30 m)
LINK 12 1.5 AT TIME 16	(Ajustar a regulação de velocidade da bomba 12 para 1.5 às 16 horas de simulação)
LINK 12 CLOSED AT CLOCKTIME 10 AM LINK 12 OPEN AT CLOCKTIME 8 PM	(O Troço 12 é repetidamente fechado às 10 AM e aberto às 8 PM ao longo da simulação)

Fig. 4.12 – Exemplos de controlos simples

Não existe limite para o número de controlos simples que podem ser utilizados, no entanto, a utilização de Controlos com Condições Múltiplas pode conduzir a uma maior estabilidade do sistema.

Controlos com Condições Múltiplas

Os Controlos com Condições Múltiplas permitem que o estado e as propriedades de troços dependam da combinação de um conjunto de condições estabelecidas pelo utilizador. Essas condições poderão ocorrer na rede, após o cálculo das condições hidráulicas iniciais.

Na Fig. 4.13 e 4.14 apresentam-se alguns exemplos de Controlos com Condições Múltiplas.

Fig. 4.13 – Exemplo de Controlos com Condições Múltiplas

Neste exemplo, o utilizador define o estado das bombas consoante o nível da água nos reservatórios de nível variável. Quando o nível da água nos reservatórios é superior ou igual a 5 metros, desligam as bombas. Quando o nível da água é inferior a 1 metro, as bombas entram em funcionamento. Estas regras permitem programar o funcionamento de uma estação elevatória em função do nível da água num ou mais reservatórios a jusante.

Fig. 4.14 – Exemplo de Controlos com Condições Múltiplas

As regras ilustradas na Fig. 4.14 alteram o estado das bombas em função do período do dia e do nível da água nos reservatórios de nível variável.

No contexto deste trabalho, os Controlos com Condições Múltiplas são fundamentais na procura da solução mais eficiente no que diz respeito ao funcionamento das bombas. Com o desenvolvimento de vários cenários de projecto, em que cada um se encontra associado a Controlos com Condições Múltiplas que definem o funcionamento do sistema, pretende-se encontrar aquele que garanta maior eficiência sem colocar em causa o normal funcionamento da rede de distribuição.

5

DESENVOLVIMENTO DO MODELO DE SIMULAÇÃO

5.1 INTRODUÇÃO

O presente capítulo pretende fazer uma descrição dos passos fundamentais para a construção do modelo de simulação do sistema de abastecimento de água em análise. Como já foi referido no Capítulo 2 deste texto, o sistema a analisar está inserido no Subsistema Lever do Sistema de Abastecimento de Água à Área Sul do Grande Porto, gerido pela empresa Águas do Douro e Paiva, SA.

Na sequência dos dois anteriores capítulos, o autor pretende no presente descrever as etapas básicas para o desenvolvimento do modelo de simulação do sistema em questão. Serão portanto descriminados todos os passos desenvolvidos, desde a recolha de dados do sistema (cortesia da Águas do Douro e Paiva, SA) até à construção do modelo de simulação utilizando o programa EPANET.

Segundo Coelho *et al* (2006), o desenvolvimento de modelos de simulação de sistemas de abastecimento de água deverá ser faseado do seguinte modo:

FASE 1 – Planeamento do modelo

FASE 2 – Construção do modelo: Descrição física do sistema

FASE 3 – Construção do modelo: Consumos

FASE 4 – Implementação da solução base

FASE 5 – Calibração do modelo (não considerada no presente trabalho)

FASE 6 – Exploração do modelo e planeamento da gestão futura.

5.2 INFORMAÇÃO NECESSÁRIA PARA A CONSTRUÇÃO DE MODELOS

Antes do planeamento de qualquer modelo de simulação, é recomendável uma familiarização com o tipo de informação necessária e com as suas especificidades. Por outro lado, as eventuais lacunas a preencher deverão ser identificadas o mais cedo possível durante o planeamento dos modelos, uma vez que envolvem frequentemente processos morosos de geração e organização de informação – Coelho *et al* (2006).

Os dados necessários para a construção e calibração de um modelo de simulação podem dividir-se em:

- dados que descrevem as características dos componentes físicos do sistema, tais como condutas, reservatórios, válvulas e bombas, incluindo a referenciação de coordenadas e cotas dos nós que os definem, e o traçado da rede daí resultante;
- dados de consumo e de caudal, que reproduzem o melhor possível a distribuição espacial e o comportamento temporal das solicitações ao sistema, para os cenários a analisar;
- dados sobre o funcionamento operacional do sistema, que reflectem o modo como os seus componentes controláveis, como as válvulas e os grupos elevatórios, são operados para os vários cenários de funcionamento.

Note-se que o último ponto referido não terá grande aplicabilidade prática uma vez que o objectivo do presente trabalho é exactamente implementar um modelo de controlo que gere uma política operacional eficiente, ou seja, introduzir um novo processo de operação que seja economicamente mais eficiente que o actualmente utilizado.

O cadastro da rede deverá constituir a principal fonte de informação geográfica e física de um modelo. Um cadastro correcto deverá estar actualizado e deverá conter, entre outros elementos, informação sobre o diâmetro, material e revestimento interno (caso se aplique) das condutas, para além dos acessórios montados e o esquema de ligações entre as condutas.

Os cadastros raramente contêm um tipo de informação particularmente importante para os modelos: o estado de conservação das condutas. Este influencia o valor do diâmetro interno útil e a rugosidade das condutas que afectará o cálculo das perdas de carga – Coelho *et al* (2006).

Fig. 5.1 – Deposições calcárias em condutas de distribuição

5.3 SISTEMAS DE UNIDADES

Os simuladores existentes permitem que se adoptem diferentes sistemas de unidades (Sistema Internacional, Sistema Americano, Sistema Imperial Britânico, etc.) para o carregamento dos dados descritivos do modelo e para a expressão dos seus resultados.

Deste modo, antes de se iniciar o carregamento de dados para o modelo devem ser configuradas as opções relevantes do software relativas a este aspecto, em função do formato e das unidades em que se encontre registada a informação disponível na entidade gestora do sistema em causa, a Águas do Douro e Paiva, SA no presente caso.

Sendo o Sistema Internacional (sistema SI) o mais utilizado em Portugal e na generalidade dos países europeus, é conveniente salientar algumas variações comuns no meio técnico ligado à engenharia hidráulica e que se encontram reflectidas nas opções disponíveis na maioria dos programas de simulação

Assim, as unidades de medida adoptadas para os principais parâmetros são as indicadas na Tabela 5.1 – Coelho *et al* (2006).

Tabela 5.1 – Unidades SI adoptadas para a modelação

Parâmetro	Unidades
Carga Hidráulica	m (metro coluna de água)
Caudal	m³/h (metro cúbico por hora
Coeficiente de Perda de Carga Localizada	adimensional
Comprimento	m (metro)
Concentração	mg/l (miligrama por litro) - não considerado
Consumo	m³/h (metro cúbico por hora)
Cota	m (metro)
Diâmetro (reservatórios)	m (metro)
Diâmetro (condutas, válvulas, bombas)	mm (milímetro)
Energia	kWh (kilowatt hora)
Factor de Perda de Carga	adimensional
Tempo de Percurso (idade da água)	h (hora) – não considerado
Perda de Carga Unitária	m/km (metro por quilómetro)
Potência	kW (kilowatt)
Pressão (altura piezométrica)	m (metro coluna de água)
Rendimento	% (percentagem)
Velocidade	m/s (metro por segundo)
Volume	m³ (metro cúbico)

5.4 PLANEAMENTO DO DESENVOLVIMENTO DO MODELO

A primeira fase do desenvolvimento de um modelo consiste em definir o sistema a estudar e o sistema de convenções e opções básicas a adoptar na modelação.

O sistema em estudo compreende o complexo de Crestuma-Lever (reservatórios de água tratada e estação elevatória) para o qual se pretende implementar um conjunto de controlos com condições múltiplas que rejam o funcionamento das bombas do sistema, procurando formular uma política operacional eficiente no que respeita ao custo da energia consumida pelo sistema elevatório.

Este processo de definição do funcionamento das bombas deverá ter em conta a variação temporal dos consumos, a variação diária da tarifa eléctrica e a capacidade de regularização dos reservatórios.

O software utilizado para a geração do modelo e simulação do sistema de abastecimento de água é o *software* EPANET, desenvolvido pela U.S. Environmental Protection Agency (EUA) e traduzido para a língua portuguesa pelo Laboratório Nacional de Engenharia Civil.

A unidade considerada para o caudal será o metro cúbico por hora e a fórmula para a perda de carga a de Darcy-Weisbach. Estas opções são configuradas no menu Opções - Hidráulica como mostra a Fig. 5.2.

Hidráulica Opções

Propriedade	Valor
Unidades de Caudal	CMH
Fórmula de Perda de Carga	D-W
Densidade Relativa	1
Viscosidade Relativa	1
No. Máximo de Iterações	40
Erro Máximo de Convergência	0.001
Se Não Convergir	Continue
Padrão Por Defeito	1
Factor de Consumo	1.0
Expoente p/ fórmula do Emissor	0.5
Relatório de Estado	No

Fig. 5.2 – Opções – Hidráulica

O mapa da rede, os perfis transversais das adutoras (cotas de assentamento e diâmetros) e todos os dados indispensáveis para uma completa definição física do sistema a modelar foram fornecidos pela empresa Águas do Douro e Paiva, SA. A Águas do Douro e Paiva, SA disponibilizou igualmente as curvas características e de eficiência das bombas que constituem o sistema, essenciais para o objecto de estudo.

Foram também fornecidos os registos dos volumes de água à saída de cada reservatório constituinte do sistema tal como os consumos nos diversos pontos de entrega abrangidos pelo sistema em estudo. Estes registos foram obtidos entre os dias 9 de Fevereiro e 17 de Fevereiro de 2008 para os consumos externos (pontos de entrega) e para o período de 9 de Fevereiro a 14 de Fevereiro de 2008 para os consumos internos. Os valores foram registados em intervalos de aproximadamente 10 minutos. No modelo será utilizado esse passo temporal no decorrer das simulações dinâmicas.

5.5 Construção do Modelo: Descrição Física do Sistema

O sistema a modelar compreende o complexo da ETA de Lever, Jovim, Seixo Alvo, Lagoa e Alto do Marquinho, totalizando mais de 16500 metros de adutoras, 20 bombas em estações elevatórias e com capacidade para armazenar 110200 metros cúbicos em reservatórios.

O mapa da rede foi disponibilizado em formato *Autocad*, assim como os perfis transversais das câmaras de visita. Utilizando o software *Dxf2epa* foi possível fazer a conversão do formato original do mapa do sistema para o formato reconhecido pelo EPANET: o formato *standard* .inp.

A rede disponibilizada consistia em conjuntos de troços, já com o comprimento definido à escala, delimitados por nós que correspondem às câmaras de visita. Houve a necessidade de se proceder a certos reajustes posicionais dos nós, que, devido ao processo de conversão *Autocad-Epanet*, não interligavam devidamente os troços adjacentes.

Na Fig. 5.3 está representado o mapa do sistema que se pretende modelar e sobre o qual vai incidir o objecto deste estudo.

Fig. 5.3 – Mapa do sistema

Os perfis transversais das caixas de visita permitiram fazer a medição das cotas de assentamento das condutas, valores que foram atribuídos, no simulador, à cota dos nós.

5.5.1 COMPLEXO DE LEVER

O Complexo de Lever é responsável pelo abastecimento de água a mais de 1,4 milhões de habitantes de 13 municípios, o que corresponde a 85 % da população abrangida pelo sistema.

Está situado na margem esquerda do rio Douro e integra uma captação de água superficial, um reservatório de água bruta e outro de água tratada, uma unidade de pré-tratamento, uma Estação de Tratamento de Água (ETA), uma unidade de tratamento de lamas, duas subestações eléctricas, além de três poços de captação em profundidade e duas estações elevatórias.

A ETA de Lever tem capacidade para produzir diariamente 400000 m³ de água e encontra-se implantada numa plataforma com uma área de 40000 m², especialmente construída para o efeito, situada na margem esquerda do Rio Douro, cerca de 500 m a montante da barragem de Crestuma-Lever.

Fig. 5.4 – Complexo de Lever

5.5.1.1 Captação

A água bruta é captada no Rio Douro, Albufeira de Lever, por bombas submersíveis que a elevam para um reservatório (Reservatório Superior). Deste, a água percorre graviticamente a estação ao longo das diversas etapas de tratamento até à elevação final.

5.5.1.2 Tratamento

O tratamento da água bruta captada compreende as fases de ozonização, coagulação/floculação, doseamento de carvão activado em pó, flotação e filtração e desinfecção final por cloragem.

5.5.1.3 Armazenamento e Elevação da Água Tratada

Após o doseamento de cloro, a água é armazenada num reservatório com uma capacidade total próxima dos 30000 m³, equivalente a duas células de 15000 m³ de capacidade.

A estação de água tratada permite elevar a água para três destinos distintos: Jovim (Zona Norte), Lagoa e Seixo Alvo (Zona Sul). Será este o sistema a modelar, analisado em pormenor mais adiante.

Os grupos de bombagem são alimentados a 6000V. Para o abastecimento a Jovim (Zona Norte) e Lagoa (Zona Sul) encontram-se instalados seis grupos de 1800 kW, altura manométrica de 125 mca e caudal de 3888 m³/h. Para o abastecimento a Seixo Alvo (Zona Sul) estão instalados três grupos de 900 kW que elevam um caudal de 1044 m³/h para uma altura manométrica de 205 mca.

A adução para Jovim é reforçada por uma captação de águas em profundidade, mais antiga. A captação de Lever Montante considera um conjunto de poços e drenos horizontais nos mantos aluvionares, onde estão instaladas seis grupos electrobomba que elevam um caudal de 2220 m³/h para uma altura manométrica de 130 mca.

5.5.1.4 Adução

A instalação elevatória da ETA de Lever, situada à cota de 21 m, eleva água tratada, como já foi referido, para os reservatórios de Jovim, na margem direita do Rio Douro, e para os reservatórios de Lagoa e Seixo Alvo, na margem esquerda.

A adução para Jovim é feita por duas tubagens implantadas em paralelo com diâmetros nominais de 1000 e 1200 mm. A água é elevada a partir da captação subterrânea de Lever Montante (também designada por captação do Porto) e percorre cerca de 700 metros até receber reforço de água proveniente dos reservatórios de água tratada da ETA. As duas adutoras percorrem então cerca de 5300 m até aos reservatórios de Jovim, vencendo um desnível de cerca de 120 metros.

O reservatório de Lagoa é abastecido por uma conduta com 1800 mm de diâmetro, que parte da ETA e percorre 3500 m, vencendo um desnível de 126 metros.

A adução a Seixo Alvo faz-se por uma conduta de 900 mm de diâmetro, que, na chegada a Seixo Alvo, a cerca de 4600 m da ETA, se divide em duas adutoras de 700 mm, cada qual abastecendo um reservatório. Os reservatórios de Seixo Alvo são também abastecidos a partir de Lagoa.

As adutoras que partem da ETA de Lever para abastecer Jovim, Lagoa e Seixo Alvo totalizam cerca de 14000 metros de comprimento.

Tabela 5.2 – Adução a partir de Lever

Origem	Cota Origem (m)	Destino	Cota Destino (m)	Tipo de Adução	Diâmetro (mm)	Distância (m)
ETA	21	Lagoa	147	Elevação	1800	3500
ETA	21	S.Alvo	214	Elevação	900	4600
ETA	21	Jovim	135	Elevação	1000/1200	5300
Lever Mont	23	Jovim	135	Elevação	1000/1200	6000

5.5.2 JOVIM

O complexo de Jovim é constituído por um reservatório central com capacidade para armazenar 2000 m³ de água e por mais dois reservatórios com capacidade de 15600 m³, totalizando uma capacidade de armazenamento de 33200 m³.

Os reservatórios de Jovim são abastecidos simultaneamente a partir de Lever (ETA de Lever e Lever Montante) e a partir de Lagoa. Como já foi referido, a adução a partir de Lever é realizada por elevação em que a água é transportada por duas adutoras com diâmetros nominais de 1000 mm e 1200 mm. A adução a partir de Lagoa é feita graviticamente através de uma adutora com diâmetro nominal de 1400 mm.

Em Jovim existem duas estações elevatórias, uma antiga e outra mais recente, constituídas por quatro grupos electro-bomba cada, que elevam água para Ramalde através de uma adutora com 1400 mm de diâmetro. A zona sul do concelho do Porto é igualmente abastecida a partir de Jovim, mas neste caso graviticamente.

Fig. 5.5 – Reservatório de Jovim

Considerar-se-ão, no presente trabalho, os caudais que saem de Jovim para estes dois destinos, mas apenas para efeito de contabilização dos consumos com vista à adequada definição dos critérios operacionais, isto é, a programação dos arranques e paragens dos grupos que elevam para Jovim em função dos níveis de água registados nos reservatórios. As estações elevatórias de Jovim não serão alvo de estudo neste trabalho.

5.5.3 LAGOA

O reservatório existente em Lagoa, abastecido a partir da ETA de Lever, é constituído por duas células com capacidade de armazenamento de 17500 m³ cada, e a sua base situa-se à cota de 147 m.

A partir de Lagoa são abastecidos os reservatórios de Seixo Alvo e de Jovim, este último graviticamente. A adutora que transporta água para Jovim tem 1400 mm de diâmetro e percorre cerca de 6000 m, atravessando o rio Douro.

Fig. 5.6 – Reservatórios e estação elevatória de Lagoa

No complexo de Lagoa existe uma estação elevatória constituída por duas bombas, cujo eixo se encontra à cota 147.1 m, e que elevam água para Seixo Alvo através de uma conduta com 700 mm de diâmetro, percorrendo cerca de 1200 m. Os grupos electro-bomba elevam um caudal de 1224 m³/h para uma altura manométrica de 70 mca.

Tabela 5.3 – Adução a partir de Lagoa

Origem	Cota Origem (m)	Destino	Cota Destino (m)	Tipo de Adução	Diâmetro (mm)	Distância (m)
Lagoa	147	Jovim	135	Gravítica	1400	6000
Lagoa	147	S.Alvo	214	Elevação	700	1200

5.5.4 SEIXO ALVO

O complexo de Seixo Alvo é abastecido simultaneamente a partir da ETA de Lever e dos reservatórios de Lagoa. Com uma capacidade de armazenamento de 6000 m3 e uma estação elevatória composta por três bombas, o complexo de Seixo Alvo funciona como um dos pontos de equilíbrio mais importante do sistema.

A partir de Seixo Alvo é abastecida toda a zona Sul do sistema, além de aqui se proceder à entrega directa de água para quatro destinos distintos: Rasa, Portela, Crestuma e centro de estágios do F.C. Porto.

Situados à cota 214 m (cota da base), os dois reservatórios de Seixo Alvo recebem água da ETA de Lever e de Lagoa e abastecem não só os quatro destinos mencionados, como também o reservatório de Alto do Marquinho, localizado a cerca de 1200 m a sul deste local.

A estação elevatória, constituída por três bombas em paralelo à cota 205.6 m, eleva, para Alto do Marquinho, um caudal de 1062 m³/h para uma altura manométrica de 57 mca.

Fig. 5.7 – Reservatórios e estação elevatória de Seixo Alvo

A adutora que transporta água de Seixo Alvo para Alto do Marquinho tem 800 mm de diâmetro e percorre cerca de 1200 m, vencendo um desnível de 52 metros.

Tabela 5.4 – Adução a partir de Seixo Alvo

Origem	Cota Origem (m)	Destino	Cota Destino (m)	Tipo de Adução	Diâmetro (mm)	Distância (m)
S.Alvo	205.6	A.Marquinho	257.6	Elevação	800	1200

5.5.5 ALTO DO MARQUINHO

No Alto do Marquinho existem dois reservatórios com 3000 m³ de capacidade cada situados à cota 265.4 m. A jusante, para sul, a adução é feita graviticamente e, tal como Jovim o é a Norte, este ponto constitui o limite Sul do sistema abrangido neste estudo.

Fig. 5.8 – Reservatórios de Alto do Marquinho

5.5.6 QUADRO RESUMO

Na tabela 5.5 encontram-se resumidas as características dos reservatórios e estações elevatórias descritas nos pontos anteriores e que constituem o sistema a modelar.

Tabela 5.5 – Quadro resumo das características dos reservatórios e estações elevatórias

Designação	Tipo de Infra-estrutura	Reservatório					Estação Elevatória			
		Nº Células	Célula	Capacidade Total	Cota		Nº Bombas	Bomba		Cota Eixo (m)
			m3		Base	Pleno Arm.		Hman (mca)	Caudal (m3/h)	
LEVER PRODUÇÃO										
Lever Montante	Estação Elevatória						6	130	2220	22.93
ETA de Lever	Estação Elevatória						4	125	3888	21
	Estação Elevatória						3	205	1044	21
	Reservatório de Água Tratada	2	15 000	30 000	22	26.30				
LEVER NORTE										
Reservatório de Jovim	Reservatório	2	15 600	33 200	135	140.35				
	Reservatório Central	1	2 000	33 200	135	140.35				
LEVER SUL										
Reserv. e Elevatória de Lagoa	Estação Elevatória						2	70	1224	147.1
	Reservatório	2	17 500	35 000	147	153				
Reserv. e Elev. de Seixo Alvo	Estação Elevatória						3	57	1062	205.6
	Reservatório	2	3 000	6 000	214	220.6				
Reserv. do Alto do Marquinho	Reservatório	2	3 000	6 000	257.6	265.4				

Para uma informação mais detalhada das adutoras que compõem o sistema consulte o ANEXO I.

5.6 CONSTRUÇÃO DO MODELO: DESCRIÇÃO DOS CONSUMOS E CAUDAIS

A exploração de sistemas de abastecimento de água bem como os variados órgãos seus componentes, têm como unidade interveniente básica o caudal, considerado não só numa distribuição espacial mas também temporal, em resultado da alteração do número de habitantes, do consumo dos utentes e, ainda, da variação cronológica dos consumos em função das horas do dia e dos dias do ano. (Apontamentos de *Hidráulica Urbana e Ambiental* - FEUP).

Como já foi referido, a entidade responsável pela gestão da captação, tratamento e distribuição de água do sistema em análise é a empresa Águas do Douro e Paiva, SA.

Para a geração do modelo de simulação do sistema, a Águas do Douro e Paiva, SA disponibilizou registos dos consumos relativos ao período de 9 a 17 de Fevereiro de 2008 no caso dos pontos de entrega (Rasa, Portela, Crestuma e centro de estágios do F.C. Porto). Os registos de caudais nas adutoras do sistema referem-se ao período entre o dia 9 e o dia 14 de Fevereiro de 2008.

Os registos apresentam os volumes de água medidos em caudalímetros instalados à saída dos reservatórios, em intervalos de 10 minutos.

No primeiro caso (pontos de entrega), os registos serão directamente introduzidos no programa EPANET. Para tal, é necessário proceder ao devido processamento desses registos, convertendo os valores fornecidos (volumes de água em m^3) em caudais (m^3/h), e criar um padrão temporal de consumo, adimensional, que seja definido por um passo temporal de 10 minutos.

Cada valor do padrão criado corresponde à razão do caudal médio, em cada 10 minutos, dos dias do período em estudo, pelo valor médio global do caudal nesse período, obtendo-se assim um padrão diário definido por um passo temporal de 10 minutos.

Nas figuras que se apresentam de seguida estão representados esses padrões para os quatro pontos de entrega. Os gráficos são gerados pelo EPANET a partir dos padrões temporais de consumo introduzidos pelo utilizador.

Fig. 5.9 – Padrão de consumo de Crestuma

Fig. 5.10 – Padrão de consumo do centro de estágios do F.C. Porto

Fig. 5.11 – Padrão de consumo de Rasa

Fig. 5.12 – Padrão de consumo de Portela

Além da consideração destes quatro padrões temporais de consumo, que representam a variação diária média do consumo afecto ao nó representativo de cada ponto de entrega do sistema, há que considerar e atribuir um padrão temporal que represente a variação diária de caudais nos nós que constituem os limites físicos do sistema, de forma a simular a adução para os pontos do sistema não abrangidos pelo modelo.

A norte, a jusante dos reservatórios de Jovim, será necessário atribuir um padrão temporal aos dois nós que representam as duas adutoras que partem de Jovim e abastecem Ramalde e Nova Sintra.

A sul, a jusante dos reservatórios de Alto do Marquinho, atribui-se um padrão temporal, relativo aos caudais medidos, ao nó representativo de todo o sistema a jusante de Alto do Marquinho.

É de salientar que os registos dos caudais medidos para as duas situações descritas (três nós) referem ao período entre os dias 9 e 14 de Fevereiro de 2008.

Fig. 5.13 – Padrão de consumo de Jovim – Ramalde

Fig. 5.14 – Padrão de consumo de Jovim – Nova Sintra

Ao contrário dos caudais a jusante de Jovim, os quais foram registados à saída dos reservatórios, a obtenção dos caudais a jusante de Alto do Marquinho revelou-se mais complexa.

Uma vez que não se encontravam disponíveis as medições efectuadas à saída dos reservatórios de Alto do Marquinho, teve que se proceder às medições de caudais em pontos não abrangidos pelo sistema que se pretende modelar, ou seja, em reservatórios e em pontos de entrega a jusante de Alto do Marquinho.

Recolhendo, processando e somando todos esses registos de caudais, foi possível criar um registo, ainda que relativamente aproximado, dos caudais médios que saem dos reservatórios de Alto do Marquinho para abastecer a zona sul do sistema.

O padrão temporal relativo a esse registo de caudais atribuído ao nó representativo de toda a rede a jusante de Alto do Marquinho encontra-se representado na Fig. 5.15.

Fig. 5.15 – Padrão de consumo a jusante de Alto do Marquinho

Nas figuras seguintes, apresentam-se os consumos diários relativos a cada ponto de entrega. Note-se que os gráficos foram gerados a partir de médias de valores, para cada 10 minutos, dos registos de cada dia do período em análise, não correspondendo portanto a um registo real de consumo diário.

Fig. 5.16 – Consumo diário de Crestuma

Fig. 5.17 – Consumo diário do centro de estágios do F.C. Porto

Fig. 5.18 – Consumo diário de Rasa

Fig. 5.19 – Consumo diário de Portela

Para efeitos de modelação, cada ponto de entrega será representado por um nó. A cada nó será atribuído um consumo base, que corresponde ao valor médio global do caudal no período em causa, e por um padrão temporal de consumo. Os caudais médios à saída dos reservatórios de Jovim (Jovim-Ramalde e Jovim-Nova Sintra) e à saída dos reservatórios de Alto do Marquinho estão representados nas Fig. 5.20, 5.21 e 5.22, respectivamente.

Fig. 5.20 – Caudais médios à saída de Jovim (Ramalde)

Fig. 5.21 – Caudais médios à saída de Jovim (Nova Sintra)

Fig. 5.22 – Caudais médios à saída de Alto do Marquinho

No caso dos registos internos de caudal, estes terão papel fundamental numa perspectiva de comparação entre os valores reais e os valores registados na simulação do modelo.

Os registos internos disponibilizados pela Águas do Douro e Paiva, SA apresentam os valores medidos em caudalímetros nas seguintes adutoras:

- ETA de Lever – Lagoa (saída da ETA)
- ETA de Lever – Seixo Alvo (saída da ETA)
- ETA de Lever – Jovim (saída da ETA)
- Lever Montante – Jovim (saída de Lever Montante – DN1000)
- Lever Montante – Jovim (saída de Lever Montante – DN1200)
- Lagoa – Seixo Alvo (saída de Lagoa)
- Lagoa – Jovim (saída de Lagoa)
- Seixo Alvo – Alto do Marquinho (saída de Seixo Alvo)

A variação temporal dos caudais no sistema pode ser consultada no ANEXO II deste trabalho.

Na tabela 5.6 representam-se os caudais médios diários dos quatro pontos de entrega e dos três nós representativos da restante rede não abrangida neste trabalho. Estes valores foram os atribuídos como valores nominais do consumo de cada nó do modelo de simulação.

Como já foi explicitado no capítulo anterior, o produto do valor desse consumo base afecto ao nó pelo factor de cada passo temporal do padrão que lhe está associado, gera a curva de variação de consumos num dia que se considera médio.

Tabela 5.6 – Caudais Médios Diários

ID do nó	Caudal Médio Diário (m^3/h)
Entr_FCPorto	15.420
Entr_Rasa	1175.895
Entr_Portela	968.149
Entr_Crestuma	13.027
Ent_Ramalde	3839.340
Ent_Nova_Sintra	722.500
A.Marq_jusante	1071.321

Note-se que a unidade de caudal considerada é o metro cúbico por hora. Aliás, essa foi a unidade considerada no desenvolvimento de todo o trabalho.

5.7 CONSTRUÇÃO DO MODELO: DEFINIÇÃO DAS BOMBAS E RESERVATÓRIOS

O sistema de distribuição incorpora cinco estações elevatórias e onze reservatórios. A cada estação elevatória está associada uma curva característica e uma curva de eficiência, disponibilizadas pela Águas do Douro e Paiva, SA, e introduzidas no EPANET para definir o seu funcionamento. Dos onze reservatórios, três foram modelados como sendo de nível fixo (RNF) e os restantes como reservatórios de nível variável (RNV).

5.7.1 ESTACÕES ELEVATÓRIAS

Como já foi referido, as bombas são modeladas como troços especiais da rede que transfere energia para o escoamento, aumentando a sua carga hidráulica. Os principais dados a inserir no programa relativos às bombas são os nós inicial e final e a curva característica.

5.7.1.1 Estação Elevatória da ETA de Lever

Existem duas estações elevatórias na ETA de Lever. Uma, constituída por três bombas, eleva caudal para Seixo Alvo. A segunda estação é constituída por quatro bombas e eleva caudal para Lagoa e para Jovim. Existem mais duas bombas na ETA de Lever que funcionam como reserva elevando apenas 35 metros, pelo que não terão interesse prático neste estudo.

A designação das bombas e as suas características fundamentais são apresentadas na tabela seguinte.

Tabela 5.7 – Características da Estação Elevatória da ETA de Lever

ID da Bomba	Hman (mca)	Caudal (m³/h)	Cota do eixo (m)	Destino
ETA_1	205	1044	21	Seixo Alvo
ETA_2	205	1044	21	Seixo Alvo
ETA_3	205	1044	21	Seixo Alvo
ETA_4	125	3888	21	Lagoa e Jovim
ETA_5	125	3888	21	Lagoa e Jovim
ETA_6	125	3888	21	Lagoa e Jovim
ETA_7	125	3888	21	Lagoa e Jovim

Nas figuras abaixo estão representadas a curva característica e a curva de rendimento das bombas.

Fig. 5.23 – Curva característica da EE da ETA de Lever

Fig. 5.24 – Curva de eficiência da EE da ETA de Lever

5.7.1.2 Estação Elevatória de Lagoa

A Estação Elevatória de Lagoa é composta por duas bombas que elevam água para Seixo Alvo. Comparativamente com a elevação para Seixo Alvo a partir da ETA de Lever, a solução de elevar para Seixo Alvo a partir de Lagoa é economicamente mais vantajosa, uma vez que, além de o desnível a vencer pelos caudais ser substancialmente menor, as bombas trabalham com maior rendimento, o que consequentemente resulta num menor gasto de energia.

Tabela 5.8 – Características da EE de Lagoa

ID da Bomba	Hman (mca)	Caudal (m³/h)	Cota do eixo (m)	Destino
Lagoa_1	70	1224	147.1	Seixo Alvo
Lagoa_2	70	1224	147.1	Seixo Alvo

As curvas características e de rendimento das bombas da estação elevatória de Lagoa estão representadas nas figuras seguintes.

Fig. 5.25 – Curva característica da EE de Lagoa

Fig. 5.26 – Curva de eficiência da EE de Lagoa

5.7.1.3 Estação Elevatória de Seixo Alvo

Na Estação Elevatória de Seixo Alvo existem três bombas que elevam água para Alto do Marquinho. As bombas situam-se à cota 205.6 m e a adução para Alto do Marquinho tem que vencer um desnível de 52 metros.

As características da Estação Elevatória de Seixo Alvo estão representadas na tabela 5.9.

Tabela 5.9 – Características da EE de Seixo Alvo

ID da Bomba	Hman (mca)	Caudal (m³/h)	Cota do eixo (m)	Destino
S.Alvo_1	57	1062	205.6	Alto Marquinho
S.Alvo_2	57	1062	205.6	Alto Marquinho
S.Alvo_3	57	1062	205.6	Alto Marquinho

A curva característica das bombas da Estação Elevatória de Seixo Alvo está representada na Fig. 5.27.

Fig. 5.27 – Curva característica da EE de Seixo Alvo

A curva representada na Fig. 5.27 foi gerada automaticamente pelo EPANET através da introdução de apenas um par de valores (caudal-altura de elevação) que corresponde ao ponto de funcionamento óptimo da bomba (Ver 4.3.2.1-Curvas).

A necessidade de recorrer a esta potencialidade do EPANET para gerar automaticamente curvas de funcionamento de bombas proveio da indisponibilidade de dados relativos ao funcionamento das bombas desta estação elevatória.

Do mesmo modo, também não foi possível disponibilizar a curva de rendimento das bombas, pelo que o EPANET assume o valor constante para o rendimento de 75 %.

5.7.2 CAPTAÇÃO DE LEVER MONTANTE

Num modelo, uma captação subterrânea do tipo furo ou dreno é representada por um reservatório de nível fixo (RNF) ligado a uma bomba por um troço de conduta de comprimento unitário, uma vez que, no caso de uma bomba submersível, não existe conduta de aspiração.

O reservatório de nível fixo representativo do furo deve ser caracterizado pelo ID do RNF e pelo Nível de Água, como mostra a Fig. 5.28.

Reservoir Capt_Lever_Mont

Property	Value
*Reservoir ID	Capt_Lever_Mont
X-Coordinate	-28437,00
Y-Coordinate	155940,05
Description	
Tag	
*Total Head	5.17
Head Pattern	
Initial Quality	
Source Quality	
Net Inflow	#N/A
Elevation	#N/A
Pressure	#N/A
Quality	#N/A

Fig. 5.28 – Propriedades da captação subterrânea de Lever Montante

O valor atribuído ao nível de água de 5.17 m corresponde ao menor valor de altura de água no poço registado e disponibilizado pela Águas do Douro e Paiva, SA.

A bomba encontra-se ligada ao sistema de adução através de uma conduta de compressão, a qual também deve ser representada e caracterizada no modelo, como mostra o exemplo da Fig. 5.29.

Fig. 5.29 – Representação de furos no modelo

O sistema de elevação é composto por seis bombas submersíveis situadas à cota 4.5 m e cujas curvas características e de rendimento estão representadas na Fig. 5.30 e 5.31 respectivamente.

A conduta de compressão tem cerca de 18.5 metros de comprimento fazendo a ligação entre as bombas e o sistema adutor situado à cota 22.93 m.

Fig. 5.30 – Curva característica das bombas da captação de Lever Montante

Fig. 5.31 – Curva de eficiência da captação de Lever Montante

Os pares de valores que definem as curvas características e as curvas de eficiência de todas as bombas constituintes do sistema podem ser consultadas no ANEXO III deste documento.

5.7.3 RESERVATÓRIOS

Os programas de simulação como o EPANET oferecem habitualmente duas formas distintas de modelar reservatórios: reservatórios de nível fixo (RNF) e reservatórios de nível variável (RNV).

Os RNF são nós especiais da rede definidos por uma cota de superfície livre fixada pelo utilizador e que se mantém inalterável durante o período de simulação, não variando com o processo de cálculo.

Os RNF representam assim uma origem de água que se pode considerar ilimitada, sendo portanto utilizados para modelar reservatórios de grande capacidade (face à magnitude dos caudais de entrada e de saída), uma captação de superfície ou subterrânea ou um sistema vizinho que abasteça ou seja abastecido pelo sistema a modelar.

Os RNV são nós especiais que têm capacidade de armazenamento limitada. Nestes reservatórios, o volume de água pode variar durante o período de simulação. Os RNV são modelados para operar entre as alturas mínima e máxima de água, em relação à cota de soleira do reservatório, especificadas pelo utilizador. O programa interrompe a entrada ou saída de água quando aquele atinge o nível máximo ou mínimo, respectivamente.

Os RNV são utilizados para modelar qualquer reservatório ou tanque cujo volume armazenado e cota de superfície livre variem durante o cenário a modelar, como consequência do balanço entre o caudal entrado e o caudal saído em cada passo de cálculo – Coelho *et al* (2006).

Todos os reservatórios de nível variável modelados têm entrada de caudal acima da superfície livre da água. Na modelação dos reservatórios, e de modo a simular este tipo de operação, recorre-se a um artifício de modelação que consiste na inclusão de uma válvula de alívio (PSV) a montante do RNV. Esta válvula é regulada para um valor de pressão correspondente à altura a que está a entrada de água no RNV de modo a que esta apenas ocorra quando a pressão disponível for igual ou superior ao nível a que está a entrada de água.

5.7.3.1 Reservatório da ETA de Lever

Na ETA de Lever existe um reservatório de água tratada constituído por duas células, cada uma com uma capacidade de armazenamento de 15000 m³. A soleira do reservatório encontra-se à cota de 22 metros e a cota de pleno armazenamento é de 26.30 metros.

Para modelar este reservatório, optou-se por um reservatório de nível fixo (RNF) de modo a representar a captação superficial de água existente no rio Douro, constituindo assim uma origem inesgotável de água.

O único parâmetro a definir pelo utilizador neste tipo de reservatório é o nível de água (carga hidráulica), que, como já foi referido, se mantém constante ao longo do período de simulação.

O valor de altura de água introduzido corresponde ao valor da altura máxima de água do reservatório de água tratada existente na ETA, ou seja, 26.30 metros. A par com a captação subterrânea de Lever Montante, este reservatório é o ponto de origem de água que abastece todo o sistema.

Reservoir Captação_Superficial

Property	Value
*Reservoir ID	Captação_Superficial
X-Coordinate	-28920.00
Y-Coordinate	156102.50
Description	
Tag	
*Total Head	26.3
Head Pattern	
Initial Quality	
Source Quality	
Net Inflow	-14219.15
Elevation	26.30
Pressure	0.00
Quality	0.00

Fig. 5.32 – Propriedades do RNF da ETA de Lever

5.7.3.2 Reservatório de Lagoa

O reservatório de Lagoa é formado por duas células com capacidade de armazenamento de 17500 m³ cada. A sua base situa-se à cota de 147 metros e abastece Seixo Alvo por elevação e Jovim por gravidade. Este reservatório é abastecido directamente da ETA de Lever.

O reservatório de Lagoa foi modelado utilizando dois reservatórios de nível variável (RNV) que representam as duas células. As suas características estão representadas na tabela 5.10.

Tabela 5.10– Características do Reservatório de Lagoa

ID Célula	Cota	Hinicial (m)	Hmin (m)	Hmáx (m)	D (m)	Cap. (m³)
Res_Lagoa_1	147	2.088	0	6	60.9394	17500
Res_Lagoa_2	147	1.949	0	6	60.9394	17500

O diâmetro das células do reservatório teve que ser calculado aplicando a expressão dos volumes:

$$V = \frac{\pi D^2}{4} h \tag{3}$$

O volume e as alturas mínima e máxima em que o reservatório opera foram disponibilizadas pela Águas do Douro e Paiva, SA.

A altura inicial de água considerada para cada célula corresponde à média dos registos relativos à altura de água nos reservatórios medidos à meia-noite dos dias 9 de Fevereiro a 17 de Fevereiro de 2008, uma vez que o objectivo é simular um dia "médio" representativo do comportamento do sistema.

Tabela 5.11 – Alturas de água às 0:00 h da célula 1 do Reservatório de Lagoa

Dia	09.02	10.02	11.02	12.02	13.02	14.02	15.02	16.02	17.02
Altura Inicial	1.964	2.184	2.562	1.555	2.318	2.505	1.491	2.350	1.865

Altura Inicial Média = 2.088 m

Tabela 5.12 – Alturas de água às 0:00 h da célula 2 do Reservatório de Lagoa

Dia	09.02	10.02	11.02	12.02	13.02	14.02	15.02	16.02	17.02
Altura Inicial	1.834	2.058	2.435	1.425	2.137	2.360	1.340	2.214	1.739

Altura Inicial Média = 1.949 m

5.7.3.3 Reservatório de Seixo Alvo

O reservatório de Seixo Alvo é constituído por duas células com 3000 m³ de capacidade cada. Situado à cota 214 m, este reservatório é abastecido a partir da ETA de Lever e de Lagoa e abastece o reservatório de Alto do Marquinho e mais quatro pontos de entrega – Portela, Rasa, Crestuma e centro de estágios do F.C. Porto.

Este reservatório foi igualmente modelado com dois RNV. As suas principais características estão representadas na tabela seguinte.

Tabela 5.13 - Características do Reservatório de Seixo Alvo

ID Célula	Cota	Hinicial (m)	Hmin (m)	Hmáx (m)	D (m)	Cap. (m³)
Res_S.Alvo_1	214	4.664	0	6.6	24.0571	3000
Res_S.Alvo_2	214	4.679	0	6.6	24.0571	3000

Ta como para o reservatório de Lagoa, o diâmetro das células do reservatório de Seixo Alvo foi obtido aplicando a expressão (3).

Os níveis de altura inicial correspondem à média das alturas medidas à meia-noite dos dias do período em causa.

Tabela 5.14 - Alturas de água às 0:00 h da célula 1 do Reservatório de Seixo Alvo

Dia	09.02	10.02	11.02	12.02	13.02	14.02	15.02	16.02	17.02
Altura Inicial	4.683	4.438	3.737	4.213	5.325	4.973	5.167	5.359	4.079

Altura Inicial Média = 4.664 m

Tabela 5.15 - Alturas de água às 0:00 h da célula 2 do Reservatório de Seixo Alvo

Dia	09.02	10.02	11.02	12.02	13.02	14.02	15.02	16.02	17.02
Altura Inicial	4.727	4.464	3.782	4.247	5.327	4.956	5.169	5.337	4.100

Altura Inicial Média = 4.679 m

5.7.3.4 Reservatório de Alto do Marquinho

O reservatório de Alto do Marquinho encontra-se à cota 257.6 m (cota de base) e tem capacidade para armazenar 6000 m³ de água nas suas duas células. Directamente abastecido a partir do reservatório de Seixo Alvo, este reservatório abastece o restante sistema a sul, não abrangido por este estudo, como aliás já foi referido anteriormente.

A tabela 5.16 apresenta as características das duas células que constituem este reservatório.

Tabela 5.16 - Características do Reservatório de Alto do Marquinho

ID Célula	Cota	Hinicial (m)	Hmin (m)	Hmáx (m)	D (m)	Cap. (m³)
Res_A.Marq_1	257.6	4.040	0	7.8	22.1293	3000
Res_A.Marq_2	257.6	4.119	0	7.8	22.1293	3000

Nas tabelas seguintes apresentam-se as alturas de água nas duas células do reservatório que serviram de base para o cálculo da altura inicial a atribuir a cada reservatório de nível variável no modelo de simulação.

Tabela 5.17 - Alturas de água às 0:00 h da célula 1 do Reservatório de Alto do Marquinho

Dia	09.02	10.02	11.02	12.02	13.02	14.02	15.02	16.02	17.02
Altura Inicial	3.319	3.741	3.553	4.306	4.079	4.257	4.794	4.389	3.926

Altura Inicial Média = 4.040 m

Tabela 5.18 - Alturas de água às 0:00 h da célula 2 do Reservatório de Alto do Marquinho

Dia	09.02	10.02	11.02	12.02	13.02	14.02	15.02	16.02	17.02
Altura Inicial	3.368	3.789	3.597	4.345	4.199	4.368	4.887	4.493	4.021

Altura Inicial Média = 4.119 m

5.7.3.5 Reservatório de Jovim

O reservatório de Jovim é abastecido por elevação a partir da ETA de Lever e da captação subterrânea de Lever Montante e graviticamente a partir de Lagoa. Situado no extremo norte do sistema a modelar é responsável pelo abastecimento ao restante sistema a norte, não abrangido neste trabalho.

Situado à cota 135 m, é constituído por três células: uma célula central com capacidade para armazenar 2000 m³ de água e por duas células de maior dimensão com capacidade de armazenamento de 15600 m³ cada. Globalmente, o reservatório de Jovim tem capacidade para armazenar um volume total de água igual a 33200 m³.

Tabela 5.19 - Características do Reservatório de Jovim

ID Célula	Cota	Hinicial (m)	Hmin (m)	Hmáx (m)	D (m)	Cap. (m³)
Res_Jovim	135	3.904	0	5.35	21.8169	2000
Res_Jovim_1	135	3.856	0	5.35	60.9313	15600
Res_Jovim_2	135	2.958	0	5.35	60.9313	15600

As alturas de água inicial a atribuir aos reservatórios de nível variável no modelo foram determinadas calculando a média das alturas de água registadas às 0:00 horas de cada dia do período em estudo.

Tabela 5.20 - Alturas de água às 0:00 h da célula central do Reservatório de Jovim

Dia	09.02	10.02	11.02	12.02	13.02	14.02	15.02	16.02	17.02
Altura Inicial	3.780	4.557	4.734	4.033	4.508	3.442	3.167	3.222	3.691

Altura Inicial Média = 3.904 m

Tabela 5.21 - Alturas de água às 0:00 h da célula 1 (esquerda) do Reservatório de Jovim

Dia	09.02	10.02	11.02	12.02	13.02	14.02	15.02	16.02	17.02
Altura Inicial	3.717	4.495	4.674	3.968	4.451	3.405	3.131	3.195	3.669

Altura Inicial Média = 3.856 m

Tabela 5.22 - Alturas de água às 0:00 h da célula 2 (direita) do Reservatório de Jovim

Dia	09.02	10.02	11.02	12.02	13.02	14.02	15.02	16.02	17.02
Altura Inicial	3.754	4.532	4.716	4.011	4.487	0.328	0.067	3.100	1.628

Altura Inicial Média = 2.958 m

Os registos dos níveis de água nos reservatórios de todo sistema a modelar, bem como gráficos representativos da variação diária da altura de água nos reservatórios em cada dia do período entre 9 de Fevereiro e de 17 de Fevereiro de 2008, podem ser consultados no ANEXO IV deste documento.

5.8 O PADRÃO HORÁRIO DA TARIFA ELÉCTRICA

Segundo o *Tarifário de Venda de Energia Eléctrica a Clientes Finais (2008)* do Grupo Energias de Portugal, publicado no Despacho nº 29287/2007, de 21 de Dezembro, da Entidade Reguladora dos Serviços Energéticos, consideram-se os seguintes períodos tarifários:

- Período I – de 1 de Janeiro a 31 de Março
- Período II – de 1 de Abril a 30 de Junho
- Período III – de 1 de Julho a 30 de Setembro
- Período IV – de 1 de Outubro a 31 de Dezembro

Os preços da energia aplicados em cada período, em euros por quilowatt hora, estão representados na Fig. 5.33. O autor assume que os preços praticados no sistema em causa corresponderão aos valores de energia eléctrica fornecida em média tensão, como é usual considerar-se em estações elevatórias.

Período Sazonal	Preços da energia (EUR/kWh)											
	Tarifa de curtas utilizações				Tarifa de médias utilizações				Tarifa de longas utilizações			
	Horas de Ponta	Horas Cheias	Horas de vazio normal	Horas de super vazio	Horas de Ponta	Horas Cheias	Horas de vazio normal	Horas de super vazio	Horas de Ponta	Horas Cheias	Horas de vazio normal	Horas de super vazio
Período I	0,1825	0,0860	0,0534	0,0500	0,1072	0,0761	0,0472	0,0443	0,1007	0,0734	0,0464	0,0434
Período II	0,1826	0,0860	0,0536	0,0500	0,1140	0,0765	0,0500	0,0465	0,1044	0,0755	0,0483	0,0449
Período III	0,1826	0,0860	0,0536	0,0500	0,1140	0,0765	0,0500	0,0465	0,1044	0,0755	0,0483	0,0449
Período IV	0,1825	0,0860	0,0534	0,0500	0,1072	0,0761	0,0472	0,0443	0,1007	0,0734	0,0464	0,0434

Fig. 5.33 – Preço da energia - €/kWh

Cada dia é dividido em quatro períodos horários aos quais são associados um preço. Para melhor se compreender a que horas do dia corresponde cada período horário (ponta, cheia, vazio normal e supervazio), atente-se a Fig. 5.34.

	horário de Inverno	horário de Verão
segunda a sexta		
ponta	das 09:30 às 12:00 das 18:30 às 21:00	das 09:15 às 12:15
cheias	das 07:00 às 09:30 das 12:00 às 18:30 das 21:00 às 24:00	das 07:00 às 09:15 das 12:15 às 24:00
vazio	das 00:00 às 02:00 das 06:00 às 07:00	das 00:00 às 02:00 das 06:00 às 07:00
supervazio	das 02:00 às 06:00	das 02:00 às 06:00
sábados		
cheias	das 09:30 às 13:00 das 18:30 às 22:00	das 09:00 às 14:00 das 20:00 às 22:00
vazio	das 00:00 às 02:00 das 06:00 às 09:30 das 13:00 às 18:30 das 22:00 às 24:00	das 00:00 às 02:00 das 06:00 às 09:00 das 14:00 às 20:00 das 22:00 às 24:00
supervazio	das 02:00 às 06:00	das 02:00 às 06:00
domingos		
vazio	das 00:00 às 02:00 das 06:00 às 24:00	das 00:00 às 02:00 das 06:00 às 24:00
supervazio	das 02:00 às 06:00	das 02:00 às 06:00

Fig. 5.34 – Períodos horários da tarifa de energia para o ciclo semanal

Para calcular a energia de bombeamento e o respectivo custo é necessário introduzir no EPANET, no menu de Opções de Energia, um valor para o preço do kWh e o respectivo padrão de variação diária (Ver 6.2.5-Opções de Energia).

Tendo em conta que o período em análise se enquadra no Período Tarifário I e assumindo que a tarifa aplicada é a tarifa de longa duração e que o dia simulado é um dia útil, o autor definiu o padrão da variação horária da tarifa eléctrica que se apresenta na Fig. 3.35.

Fig. 5.35 – Variação Horária da Tarifa Eléctrica

O valor para a 10ª e 19ª horas corresponde ao valor médio entre os valores correspondente às horas antes e depois. Optou-se por atribuir este valor médio uma vez que, como se pode ver na Fig. 5.34, a alteração de tarifas ocorre sempre à hora certa excepto na 10ª hora (ocorre às 9:30 h) e na 19ª hora (ocorre às 18:30 h). Este padrão representativo da variação diária da tarifa eléctrica foi introduzido no EPANET com o ID "Preço_Energia".

5.9 CONTROLO OPERACIONAL DA REDE

5.9.1 INTRODUÇÃO

O controlo operacional da rede é exercido através de um conjunto de condições de operacionalização definidas pelo utilizador de modo a ajustar a configuração do sistema às necessidades operacionais de cada instante.

Os controlos são um conjunto de instruções efectuadas em grande parte de forma automática no sistema e traduzem o modo como a rede é operada diariamente em função de determinadas condições.

Estes controlos podem alterar o estado de funcionamento das condutas, bombas ou válvulas, e são normalmente accionados em função do instante temporal, da altura de água num reservatório e da variação de caudal ou pressão em determinados pontos da rede.

5.9.2 CONTROLOS COM CONDIÇÕES MÚLTIPLAS

Os controlos com condições múltiplas consistem em combinações de condições que permitem alterar o estado e as propriedades de troços do sistema.

Na criação de uma política operacional que minimize os custos associados aos gastos de energia na elevação de caudais, a definição dos controlos com condições múltiplas têm um papel fundamental e representa uma das fases mais complexa na construção de um modelo de um sistema de abastecimento de água.

O objectivo deste trabalho é, como já foi referido, racionalizar o funcionamento das bombas em todo o sistema de modo a minimizar a factura eléctrica. No entanto, essa racionalização terá que ter em conta a variação das necessidades de consumo durante o dia e a capacidade dos reservatórios existentes no sistema.

Procurar-se-á, então, jogando com a capacidade de cada reservatório, com a variação diária dos consumos, com a variação diária da tarifa eléctrica, e também com as características das instalações elevatórias e com as leis hidráulicas que regem o funcionamento da rede, obter a maior eficiência possível no que respeita à operacionalização do sistema.

Sendo a motivação deste trabalho a procura pela maior eficiência económica na exploração de várias estações elevatórias, as estratégias a seguir e a implementar nos controlos de condições múltiplas são basicamente as seguintes:

- Elevar o máximo caudal possível durante os períodos de menor peso tarifário tendo em conta a capacidade dos reservatórios;
- Elevar apenas o caudal indispensável regido pela variação dos consumos durante os períodos de tarifa mais elevada;
- Evitar sempre que possível a utilização das bombas nos períodos correspondentes às horas de ponta;
- Na elevação para reservatórios a partir de origens diferentes, optar por aquela que se situe a uma cota superior nos períodos em que a tarifa energética é mais elevada;
- Optar pela utilização da bomba que funcione com maior eficiência.

Os controlos com condições múltiplas foram programados tendo por base as estratégias referidas acima e podem ser analisados no ANEXO V.

Após a definição física de todo o sistema e dos seus componentes constituintes (nós, adutoras, válvulas, reservatórios e bombas), a atribuição de consumos aos nós, a associação de curvas características e de rendimento às bombas existentes e a programação dos controlos com condições múltiplas que regem, a par com as leis hidráulicas, o funcionamento do sistema, o modelo encontra-se operacional e pronto a simular.

É usual o utilizador deparar-se com vários problemas quando executa uma simulação hidráulica. Os problemas mais correntes estão associados à não resolução das equações de equilíbrio hidráulico quando, por exemplo, o EPANET não consegue convergir para uma solução hidráulica num determinado passo de cálculo, com o número máximo de iterações fixado.

Neste caso, o utilizador pode aumentar o número máximo de iterações permitido ou o erro máximo de convergência admitido. Apesar de este procedimento não ser aconselhado (Rossman, 2000), revela-se por vezes útil para detectar problemas e analisar comportamentos da rede visando a correcção dos mesmos (Ver Fig. 5.2 – Opções – Hidráulica pág.42).

No próximo capítulo analisar-se-ão os resultados da simulação hidráulica do modelo.

6

A SIMULAÇÃO HIDRÁULICA

6.1 INTRODUÇÃO

Depois da descrição do sistema de abastecimento de água estar devidamente concluída e incorporada no programa de cálculo, pode-se proceder à simulação do seu comportamento hidráulico.

Este capítulo apresenta as opções utilizadas na simulação da rede e os resultados da simulação sob a forma de tabelas e gráficos fornecidos pelo EPANET.

6.2 CONFIGURAÇÃO DAS OPÇÕES DE SIMULAÇÃO

Antes de se proceder à simulação, o utilizador pode configurar as opções que controlam o modo como o EPANET simula uma rede. Existem cinco categorias editáveis de opções: Hidráulica, Qualidade, Reacções, Tempos e Energia.

6.2.1 OPÇÕES DE HIDRÁULICA

Nas Opções de Hidráulica pode-se definir o modo como o programa efectua o cálculo hidráulico da rede, como por exemplo, a unidade de caudal considerada, a fórmula de perda de carga a utilizar, a densidade e a viscosidade relativa (caso se pretenda alterar as propriedades do fluído), o número máximo de iterações utilizadas para resolver as equações não lineares de cálculo hidráulico, entre outros.

Hydraulics Options

Property	Value
Flow Units	CMH
Headloss Formula	D-W
Specific Gravity	1
Relative Viscosity	1
Maximum Trials	40
Accuracy	0.001
If Unbalanced	Continue
Default Pattern	1
Demand Multiplier	1
Emitter Exponent	0.5
Status Report	Yes
CHECKFREQ	2
MAXCHECK	10
DAMPLIMIT	0

Fig. 6.1 – Opções de Hidráulica

A unidade de caudal considerada é o metro cúbico por hora e a fórmula de perda de carga a de Darcy-Weisbach, como se pode ver na Fig.6.1. Todas as outras opções não foram alteradas.

6.2.2 Opções de Qualidade

As opções de Qualidade controlam o modo como se processam as simulações da qualidade da água, não tendo portanto interesse prático no presente estudo. Nenhuma opção foi alterada.

6.2.3 Opções de Reacções

Servem para configurar o tipo de reacções que ocorrem quando é executada uma simulação de qualidade da água. Tal como no ponto anterior, a configuração destas opções não tem qualquer interesse no âmbito deste trabalho e portanto não carece de alterações.

6.2.4 Opções de Tempo

As opções de tempo configuram os valores para os vários passos de tempo na simulação hidráulica. Neste menu o utilizador atribui um valor para a duração total de uma simulação, em horas, bem como passos de cálculo hidráulico e de padrões. Também é possível escolher os tempos de início da simulação e dos padrões.

Times Options

Property	Hrs:Min
Total Duration	24:00
Hydraulic Time Step	0:10
Quality Time Step	1:00
Pattern Time Step	0:10
Pattern Start Time	0:00
Reporting Time Step	0:10
Report Start Time	0:00
Clock Start Time	12:00 AM
Statistic	NONE

Fig. 6.2 – Opções de Tempo

Como se pode ver na Fig. 6.2, as Opções de Tempo já se encontram configuradas para gerar uma simulação de 24 horas com um passo de cálculo hidráulico e de padrão de 10 minutos. A duração total de simulação pode ser alterada para fazer simulações de grande duração, como por exemplo, de 3 ou 4 dias. Aliás, é aconselhável que se execute uma simulação de duração alargada de modo a perceber o funcionamento do sistema quando este tende a regularizar. É frequente que o comportamento hidráulico do sistema apenas estabilize no 2º ou no 3º dia de simulação.

Uma simulação de 24 horas pode por vezes não ser suficiente para se verificar uma estabilização do sistema. Por exemplo, se numa simulação de 24 horas o nível de água no reservatório ao fim do dia for diferente da altura de água inicial, o sistema pode estar modelado incorrectamente, pelo que se impõe a verificação do seu comportamento através de uma simulação de maior duração. Neste caso, duas

situações podem ocorrer: o sistema estabiliza passado algumas horas ou ocorre um erro no sistema por esvaziamento do reservatório ou por esgotamento da sua capacidade para receber caudais.

Fig. 6.3 – Exemplo da variação do nível de água num reservatório para uma simulação de 72 horas

Na Fig. 6.3 está representada a variação temporal do nível de água numa das células do reservatório de Seixo Alvo. Como se pode verificar, na estabilização da variação do nível de água ocorrem pequenas variações ao longo das 72 horas imperceptíveis numa simulação de 24 horas, que consequentemente podem alterar o funcionamento dos reservatórios e bombas a montante.

6.2.5 Opções de Energia

As Opções de Energia permitem configurar os valores utilizados para calcular a energia de bombeamento e o respectivo custo para todas as bombas.

O EPANET assume um valor por defeito para o rendimento das bombas (75%). No entanto, à excepção da estação elevatória de Seixo Alvo, todas as bombas estão individualmente definidas pela respectiva curva de eficiência.

Fig. 6.4 – Opções de Energia

A estação elevatória de Seixo Alvo funcionará com um rendimento constante de 75 %, uma vez que não lhe foi atribuída uma curva de rendimento, pelas razões previamente apresentadas.

O valor atribuído ao preço da energia por kWh (foi atribuído o valor 1 – ver Fig. 6.4) será multiplicado por cada valor do padrão de variação temporal da tarifa eléctrica, ficando assim definida essa mesma variação a utilizar pelo EPANET para o cálculo dos custos de bombagem.

6.3 RESULTADOS DA SIMULAÇÃO

Concluída a simulação, o EPANET tem a potencialidade de apresentar resultados através de gráficos e tabelas representativas de estados de funcionamento ou de variação de certos parâmetros em função do tempo, bem como dos custos associados ao funcionamento das bombas.

O autor considera pertinente, no âmbito deste estudo, apresentar gráficos de séries temporais relativos ao funcionamento das bombas e aos níveis de água nos reservatórios. O relatório de energia do EPANET permite analisar o custo de energia consumida no sistema através de gráficos e de uma tabela.

6.3.1 NÍVEIS DE ÁGUA NOS RESERVATÓRIOS

O nível dos reservatórios varia consoante as solicitações do sistema, está portanto dependente da variação temporal dos consumos na rede. Impõe-se, como é natural, que os níveis de água nos reservatórios variem entre o valor da máxima altura de água e o valor mínimo, que se considera zero.

Nas figuras seguintes apresentam-se a variação dos níveis de água nos reservatórios durante uma simulação de 24 horas e uma simulação de 72 horas. Uma vez que cada reservatório (modelado com dois RNV representativos de cada célula) apresenta variações de nível semelhantes em cada célula, o autor optou por apresentar a variação de nível de apenas uma célula por reservatório, à excepção de Jovim que é composto por três células: uma célula central mais duas células de maior dimensão.

Fig. 6.5 – Variação do nível de água no Reservatório de Lagoa – 24 horas

Fig. 6.6 - Variação do nível de água no Reservatório de Lagoa – 72 horas

Fig. 6.7 - Variação do nível de água no Reservatório de Seixo Alvo – 24 horas

Fig. 6.8 - Variação do nível de água no Reservatório de Seixo Alvo – 72 horas

Fig. 6.9 - Variação do nível de água no Reservatório de Alto do Marquinho – 24 horas

Fig. 6.10 - Variação do nível de água no Reservatório de Alto do Marquinho – 72 horas

Fig. 6.11 - Variação do nível de água no Reservatório de Jovim – 24 horas

Fig. 6.12 - Variação do nível de água no Reservatório de Jovim – 72 horas

Fig. 6.13 - Variação do nível de água na célula central do Reservatório de Jovim – 24 horas

Fig. 6.14 - Variação do nível de água na célula central do Reservatório de Jovim – 72 horas

Como se pode verificar, a variação dos níveis de água nos reservatórios tende a regularizar à medida que o período de simulação aumenta.

6.3.2 FUNCIONAMENTO DAS BOMBAS

O funcionamento das bombas do sistema está condicionado pelos níveis de água nos reservatórios para os quais elevam e pela variação da tarifa de energia eléctrica. Deseja-se um número mínimo de arranques e paragem das bombas de modo a maximizar a eficiência de todo o processo de elevação.

As figuras seguintes ilustram o comportamento das estações elevatórias, nomeadamente os respectivos períodos de funcionamento, para um período de simulação de 72 horas.

Fig. 6.15 – Funcionamento da Bomba ETA_1

Fig. 6.16 - Funcionamento da Bomba ETA_2

Fig. 6.17 - Funcionamento da Bomba ETA_3

Fig. 6.18 - Funcionamento da Bomba ETA_4

Fig. 6.19 - Funcionamento da Bomba ETA_5

Fig. 6.20 - Funcionamento da Bomba ETA_7

Fig. 6.21 - Funcionamento da Bomba Submersível_1

Fig. 6.22 - Funcionamento da Bomba Lagoa_1

Fig. 6.23 - Funcionamento da Bomba Lagoa_2

Fig. 6.24 - Funcionamento da Bomba S.Alvo_1

Fig. 6.25 - Funcionamento da Bomba S.Alvo_2

Fig. 6.26 - Funcionamento da Bomba S.Alvo_3

Note-se que a estação elevatória de Lagoa tem uma percentagem de funcionamento diário superior à de todas as outras. A estação de Lagoa eleva caudal para o reservatório de Seixo Alvo, tal como as Bombas ETA_1, ETA_2 e ETA_3. No entanto, revela-se economicamente mais vantajoso elevar para Seixo Alvo a partir de Lagoa do que a partir da ETA de Lever, uma vez que a primeira funciona com maior percentagem de rendimento e encontra-se a uma cota mais elevada, sendo portanto menor a altura manométrica de elevação.

Tendo em conta este pressuposto, há que ter em atenção que também é a partir da ETA de Lever que o reservatório de Lagoa é abastecido, neste caso pelas Bombas ETA_4, ETA_5, ETA_6 e ETA_7. Como se pode verificar nas Fig. 6.18, 6.19 e 6.20, o período de funcionamento dessas bombas enquadra-se no período de menor valor da tarifa energética, pelo que se poderá aferir que os custos associados a esta operação encontrar-se-ão minimizados.

6.3.3 Relatório de Energia

O EPANET pode gerar um Relatório de Energia que mostra as estatísticas sobre a energia consumida por cada bomba e o respectivo custo associado ao longo de uma simulação – Rossman (2000).

Energy Report

Table | Chart

Pump	Percent Utilization	Average Efficiency	Kw-hr /m3	Average Kwatts	Peak Kwatts	Cost /day
Lagoa_2	88.75	87.12	0.23	249.00	253.22	365.59
Lagoa_1	75.78	87.04	0.23	248.94	253.22	309.37
ETA_1	32.59	50.68	1.09	1252.33	1268.46	618.85
ETA_2	43.67	50.17	1.09	1252.83	1260.95	875.78
ETA_3	42.10	50.09	1.09	1252.70	1260.95	854.33
ETA_4	21.51	73.09	0.63	1232.79	1576.13	285.20
ETA_5	21.51	73.09	0.63	1232.79	1576.13	285.20
ETA_6	0.00	0.00	0.00	0.00	0.00	0.00
ETA_7	3.31	86.48	0.40	1573.92	1577.60	91.85
Submersível_1	28.70	86.48	0.43	1006.24	1006.54	309.56
Submersível_2	0.00	0.00	0.00	0.00	0.00	0.00
Submersível_3	0.00	0.00	0.00	0.00	0.00	0.00
Submersível_4	0.00	0.00	0.00	0.00	0.00	0.00
Submersível_5	0.00	0.00	0.00	0.00	0.00	0.00
Submersível_6	0.00	0.00	0.00	0.00	0.00	0.00
S.Alvo_1	21.33	75.00	0.19	225.02	225.57	52.48
S.Alvo_2	33.98	75.00	0.19	225.06	225.57	109.74
S.Alvo_3	30.05	75.00	0.19	225.07	225.55	118.48
Total Cost						4276.45
Demand Charge						0.00

Fig. 6.27 – Relatório de Energia

O Relatório de Energia apresentado na Fig. 6.27 foi obtido para uma simulação de 72 horas em que o comportamento hidráulico do sistema se encontra equilibrado e devidamente regularizado.

O relatório fornece os resultados da simulação no que respeita ao funcionamento das bombas. Como se pode verificar, o relatório permite comparar a percentagem de utilização, o rendimento médio, a potência média e máxima e os respectivos custos de todas as bombas no sistema.

Nas figuras seguintes pode-se analisar os resultados obtidos e descriminados no Relatório de Energia em gráficos gerados pelo EPANET.

Fig. 6.28 – Percentagem de utilização das bombas

Fig. 6.29 – Eficiência média das bombas

Fig. 6.30 – Energia consumida por m³ das bombas

Fig. 6.31 – Potência média nas bombas

Fig. 6.32 – Potência máxima nas bombas

Fig. 6.33 – Custo por dia das bombas

Foram estudados outros cenários com critérios operacionais distintos, no entanto, o cenário apresentado é o que garante menores custos em energia consumida pelas bombas. Os valores apresentados no Relatório de Energia são extremamente sensíveis a qualquer alteração no modo de funcionamento do sistema, como por exemplo reajustes de funcionamento de válvulas e bombas e alterações dos níveis admissíveis de água nos reservatórios.

Repare-se na comparação entre as bombas da estação elevatória de Lagoa (Lagoa_1 e Lagoa_2) e a estação da ETA de Lever (ETA_1, ETA_2 e ETA_3). Ambas as estações elevam para Seixo Alvo e as bombas de Lagoa têm maior percentagem de utilização. No entanto, devido à grande diferença de eficiência destes dois grupos, o custo energético associado às bombas da ETA de Lever é cerca de três vezes superior ao custo de energia consumida pela estação elevatória de Lagoa.

O custo da energia consumida no sistema de abastecimento de água em cada dia é **4276,45 €**.

7

CONCLUSÃO

O modelo de controlo desenvolvido permite avaliar com fiabilidade o comportamento do sistema de abastecimento de água solicitado pelos consumos relativos a um dia médio esperado. Contudo, há que ter em conta que alterações significativas à variação do consumo considerada neste estudo, poderão resultar em erros na simulação que, no entanto, não deixam de ser facilmente ultrapassáveis com pequenos reajustes dos critérios operacionais do modelo. De facto, a motivação maior deste estudo foi a de minimizar os custos de energia para uma dada solicitação, considerada média e representativa de uma altura do ano, e não a de desenvolver um modelo que respondesse a qualquer cenário estabelecido, o que consequentemente descuraria o principal objectivo deste trabalho.

Numa altura em que se começa a reconhecer a necessidade de adopção de uma visão integrada e pluridisciplinar da gestão de sistemas públicos de abastecimento de água, que contemple nomeadamente os aspectos hidráulicos, de qualidade da água, de fiabilidade e de gestão de energia, e a crescente consciencialização para os aspectos ambientais e da necessidade de garantir bons níveis de serviço e de racionalizar investimentos, revela-se de extrema importância não desprezar a consideração de modelos de controlo na gestão desses sistemas.

Através de meios de cálculo relativamente simples, é possível desenvolver modelos de controlo evoluídos que, apoiados numa constante monitorização da variação dos consumos na rede, sejam capazes de responder automaticamente a eventuais alterações de consumo, reformulando e adaptando a operação do sistema a novas condições.

Por todas as razões apresentadas, e citando Coelho *et al* (2006), a forma de elaboração de projectos de sistemas de abastecimento de água tem vindo a evoluir e é inevitável que esta tendência de evolução se mantenha.

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ANEXOS

ANEXO I – Características das Adutoras

ANEXO II – Registos dos Consumos no Sistema

ANEXO III – Curvas Características e de Rendimento das Bombas

ANEXO IV – Registos dos Níveis de Água nos Reservatórios

ANEXO V – Controlos com Condições Múltiplas

ANEXO I

CARACTERÍSTICAS DAS ADUTORAS

ADUTORA ETA DE LEVER - SEIXO ALVO

ID Troço	Diâmetro do Troço (mm)	Comprimento do Troço (m)	Distância à origem (m)		ID Nós/Caixas de Visita	Cota Assent. da Conduta
6341TA001	900	18,59	18,59	Nó de Montante	ETA-S.Alvo (saída ETA)	21
				Nó de Jusante	6341CV004	19,19
6341TA002	900	40,54	59,13	Nó de Montante	6341CV004	19,19
				Nó de Jusante	6341CV006	19,33
6341TA003	900	10,34	69,47	Nó de Montante	6341CV006	19,33
				Nó de Jusante	6341CV010	23,76
6341TA004	900	18,84	88,31	Nó de Montante	6341CV010	23,76
				Nó de Jusante	6341CV020	24
6341TA005	900	5,14	93,45	Nó de Montante	6341CV020	24
				Nó de Jusante	6341CV030	24,01
6341TA006	900	6,94	100,39	Nó de Montante	6341CV030	24,01
				Nó de Jusante	6341CV040	24,31
6341TA007	900	11,73	112,12	Nó de Montante	6341CV040	24,31
				Nó de Jusante	6341CV008	21,7
6341TA008	900	57,73	169,85	Nó de Montante	6341CV008	21,7
				Nó de Jusante	6341CV045	36,51
6341TA009	900	762,72	932,57	Nó de Montante	6341CV045	36,51
				Nó de Jusante	6341CV050	105,72
6341TA010	900	41,13	973,7	Nó de Montante	6341CV050	105,72
				Nó de Jusante	6341CV070	107,17
6341TA011	900	836,42	1810,12	Nó de Montante	6341CV070	107,17
				Nó de Jusante	6341CV080	30,13
6341TA012	900	922,39	2732,51	Nó de Montante	6341CV080	30,13
				Nó de Jusante	6341CV090	166,44
6341TA013	900	123,57	2856,08	Nó de Montante	6341CV090	166,44
				Nó de Jusante	6341CV100	158,2
6341TA014	900	250,83	3106,91	Nó de Montante	6341CV100	158,2
				Nó de Jusante	6341CV110	162,7
6341TA015	900	325,61	3432,52	Nó de Montante	6341CV110	162,7
				Nó de Jusante	6341CV120	155,18
6341TA016	900	1050,21	4482,73	Nó de Montante	6341CV120	155,18
				Nó de Jusante	6341CV130	219,49
6341TA017	900	114,42	4597,15	Nó de Montante	6341CV130	219,49
				Nó de Jusante	6341CV140	211,23
6341TA018.a	700	5	4602,15	Nó de Montante	6341CV140	211,23
				Nó de Jusante	6341CV140.a (intersecção)	211,23
6341TA018	700	27,14	4629,29	Nó de Montante	6341CV140.a (intersecção)	211,23
				Nó de Jusante	6341CV160	207,39
6341TA019	700	12,17	4641,46	Nó de Montante	6341CV160	207,39
				Nó de Jusante	Lever-S.Alvo (chegada Sul)	214
6341TA020	700	62,46	4664,61	Nó de Montante	6341CV140.a (intersecção)	211,23
				Nó de Jusante	6341CV150	206,76
6341TA021	700	3,43	4668,04	Nó de Montante	6341CV150	206,76
				Nó de Jusante	Lever-S.Alvo (chegada Norte)	214

NOTA : A adutora principal divide-se em duas condutas na chegada a Seixo Alvo a 4602,15 metros da origem

ADUTORA ETA DE LEVER - LAGOA

ID Troço	Diâmetro do Troço (mm)	Comprimento do Troço (m)	Distância à origem (m)		ID Nós/Caixas de Visita	Cota Assent. da Conduta
6340TA001	1800	34,25	34,25	Nó de Montante	ETA - Lagoa (saída ETA)	21
				Nó de Jusante	6340CV010	19,48
6340TA002	1800	35,83	70,08	Nó de Montante	6340CV010	19,48
				Nó de Jusante	6340CV020	19,42
6340TA003	1800	369,59	439,67	Nó de Montante	6340CV020	19,42
				Nó de Jusante	6340CV030	70,24
6340TA004	1800	107,19	546,86	Nó de Montante	6340CV030	70,24
				Nó de Jusante	6340CV040	73,38
6340TA005	1800	195,06	741,92	Nó de Montante	6340CV040	73,38
				Nó de Jusante	6340CV050	59,72
6340TA006	1800	125,36	867,28	Nó de Montante	6340CV050	59,72
				Nó de Jusante	6340CV060	71,73
6340TA007	1800	90,68	957,96	Nó de Montante	6340CV060	71,73
				Nó de Jusante	6340CV070	74,53
6340TA008	1800	254,3	1212,26	Nó de Montante	6340CV070	74,53
				Nó de Jusante	6340CV080	72,73
6340TA009	1800	113,43	1325,69	Nó de Montante	6340CV080	72,73
				Nó de Jusante	6340CV090	60,24
6340TA010	1800	113,14	1438,83	Nó de Montante	6340CV090	60,24
				Nó de Jusante	6340CV100	70,59
6340TA011	1800	121,63	1560,46	Nó de Montante	6340CV100	70,59
				Nó de Jusante	6340CV110	54,28
6340TA012	1800	77,51	1637,97	Nó de Montante	6340CV110	54,28
				Nó de Jusante	6340CV120	62,92
6340TA013	1800	613,26	2251,23	Nó de Montante	6340CV120	62,92
				Nó de Jusante	6340CV130	8,86
6340TA014	1800	41,48	2292,71	Nó de Montante	6340CV130	8,86
				Nó de Jusante	6340CV140	6,33
6340TA015	1800	196,74	2489,45	Nó de Montante	6340CV140	6,33
				Nó de Jusante	6340CV150	8,54
6340TA016	1800	101,89	2591,34	Nó de Montante	6340CV150	8,54
				Nó de Jusante	6340CV160	9,79
6340TA017	1800	105,96	2697,3	Nó de Montante	6340CV160	9,79
				Nó de Jusante	6340CV170	35,6
6340TA018	1800	113,09	2810,39	Nó de Montante	6340CV170	35,6
				Nó de Jusante	6340CV180	10,47
6340TA019	1800	138,15	2948,54	Nó de Montante	6340CV180	10,47
				Nó de Jusante	6340CV190	63,49
6340TA020	1800	140,04	3088,58	Nó de Montante	6340CV190	63,49
				Nó de Jusante	6340CV200	103,92
6340TA021	1800	441,32	3529,9	Nó de Montante	6340CV200	103,92
				Nó de Jusante	Lever-Lagoa (chegada Lagoa)	147

ADUTORA LEVER MONTANTE - JOVIM

ID Troço	Diâmetro do Troço (mm)	Comprimento do Troço (m)	Distância a Lever Montante (m)	Distância à ETA (m)		ID Nós/Caixas de Visita	Cota Assent. da Conduta
6241TA001	1000	134,35	134,35	-	Nó de Montante	Capt. Lever Mont. 1	25
					Nó de Jusante	6241CV010.a	14.99
6241TA002	1000	29,28	163,63	-	Nó de Montante	6241CV010.a	14.99
					Nó de Jusante	6241CV020.a	16.02
6241TA003	1000	356,37	520	-	Nó de Montante	6241CV020.a	16.02
					Nó de Jusante	6241CV030.a	35,14
6241TA004	1000	170,73	690,73	-	Nó de Montante	6241CV030.a	35,14
					Nó de Jusante	6241CV040.a	34,2
6241TA005	1400	41,72	-	41,72	Nó de Montante	ETA-Jovim (saída ETA)	21
					Nó de Jusante	6241CV056	40,37
6241TA006	1400	26,17	-	67,89	Nó de Montante	6241CV056	40,37
					Nó de Jusante	6241CV058	40,43
6241TA006.a	1800	1	-	68,89	Nó de Montante	6241CV058	40,43
					Nó de Jusante	6241CV058.a	40,5
6241TA006.b	1800	1	-	69,89	Nó de Montante	6241CV058.a	40,5
					Nó de Jusante	6241CV060.a	40,69
6241TA006.c	1800	1	-	69,89	Nó de Montante	6241CV058.a	40,5
					Nó de Jusante	6241CV060	40,64
6241TA008.a	1000	10	700,73		Nó de Montante	6241CV040.a	34,2
					Nó de Jusante	6241CV050.a	41,91
6241TA007	1000	10,3	-	80,19	Nó de Montante	6241CV060.a	40,69
					Nó de Jusante	6241CV050.a	41,91
6241TA008.b	1000	21,4	722,13	101,59	Nó de Montante	6241CV050.a	41,91
					Nó de Jusante	6241CV070.a	41.82
6241TA009	1000	70,38	792,51	171,97	Nó de Montante	6241CV070.a	41.82
					Nó de Jusante	6241CV080.a	33,35
6241TA010	1000	152,66	945,17	324,63	Nó de Montante	6241CV080.a	33,35
					Nó de Jusante	6241CV090.a	43,35
6241TA011	1000	207,39	1152,56	532,02	Nó de Montante	6241CV090.a	43,35
					Nó de Jusante	6241CV100.a	23,82
6241TA012	1000	139,77	1292,33	671,79	Nó de Montante	6241CV100.a	23,82
					Nó de Jusante	6241CV110	24,05
6241TA013	1000	21,26	1313,59	693,05	Nó de Montante	6241CV110	24,05
					Nó de Jusante	6241CV120.a	24,28
6241TA014	1000	666,45	1980,04	1359,5	Nó de Montante	6241CV120.a	24,28
					Nó de Jusante	6241CV130.a	19,95
6241TA015	1000	461,15	2441,19	1820,65	Nó de Montante	6241CV130.a	19,95
					Nó de Jusante	6241CV140.a	83,93
6241TA016	1000	277,33	2718,52	2097,98	Nó de Montante	6241CV140.a	83,93
					Nó de Jusante	6241CV150.a	61,27
6241TA017	1000	564,25	3282,77	2662,23	Nó de Montante	6241CV150.a	61,27
					Nó de Jusante	6241CV160.a	119,62
6241TA018	1000	456,13	3738,9	3118,36	Nó de Montante	6241CV160.a	119,62
					Nó de Jusante	6241CV170.a	70,15
6241TA019	1000	195,36	3934,26	3313,72	Nó de Montante	6241CV170.a	70,15
					Nó de Jusante	6241CV180.a	74,02
6241TA020	1000	756,29	4690,55	4070,01	Nó de Montante	6241CV180.a	74,02
					Nó de Jusante	6241CV190.a	5,03
6241TA021	1000	138,93	4829,48	4208,94	Nó de Montante	6241CV190.a	5,03
					Nó de Jusante	6241CV200.a	49,41
6241TA022	1000	1049,6	5879,08	5258,54	Nó de Montante	6241CV200.a	49,41
					Nó de Jusante	Jovim	135

ID Troço	Diâmetro do Troço (mm)	Comprimento do Troço (m)	Distância a Lever Montante (m)	Distância à ETA (m)		ID Nós/Caixas de Visita	Cota Assent. da Conduta
6241TA023	1000	32,18	32,18	-	Nó de Montante	Capt. Lever Mont. 2	25
					Nó de Jusante	Aux. Lever M. - Jovim	21,5
6241TA024	1000	99,42	131,6	-	Nó de Montante	Aux. Lever M. - Jovim	21,5
					Nó de Jusante	6241CV010	15,84
6241TA025	1000	29,16	160,76	-	Nó de Montante	6241CV010	15,84
					Nó de Jusante	6241CV020	16,02
6241TA026	1000	354,4	515,16	-	Nó de Montante	6241CV020	16,02
					Nó de Jusante	6241CV030	36,04
6241TA027	1200	171,95	687,11	-	Nó de Montante	6241CV030	36,04
					Nó de Jusante	6241CV040	34,3
6241TA029.a	1200	7	694,11	-	Nó de Montante	6241CV040	34,3
					Nó de Jusante	6241CV050	41,8
6241TA028	1200	11,4	-	81,29	Nó de Montante	6241CV060	40,64
					Nó de Jusante	6241CV050	41,8
6241TA029.b	1200	24,33	718,44	105,62	Nó de Montante	6241CV050	41,8
					Nó de Jusante	6241CV070	41,12
6241TA030	1200	69,46	787,9	175,08	Nó de Montante	6241CV070	41,12
					Nó de Jusante	6241CV080	33,19
6241TA031	1200	156,22	944,12	331,3	Nó de Montante	6241CV080	33,9
					Nó de Jusante	6241CV090	44.15
6241TA032	1200	203,69	1147,81	534,99	Nó de Montante	6241CV090	44.15
					Nó de Jusante	6241CV100	23,83
6241TA033	1200	161,72	1309,53	696,71	Nó de Montante	6241CV100	23,83
					Nó de Jusante	6241CV120	24,28
6241TA034	1200	47,83	1357,36	744,54	Nó de Montante	6241CV120	24,28
					Nó de Jusante	Aux. Lever - Jovim 1	23,98
6241TA035	1200	433,71	1791,07	1178,25	Nó de Montante	Aux. Lever - Jovim 1	23,98
					Nó de Jusante	Aux. Lever - Jovim 2	21,26
6241TA036	1200	188	1979,07	1366,25	Nó de Montante	Aux. Lever - Jovim 2	21,26
					Nó de Jusante	6241CV130	20,08
6241TA037	1200	461,21	2440,28	1827,46	Nó de Montante	6241CV130	20,08
					Nó de Jusante	6241CV140	84,01
6241TA038	1200	277,62	2717,9	2105,08	Nó de Montante	6241CV140	84,01
					Nó de Jusante	6241CV150	61,33
6241TA039	1200	563,44	3281,34	2668,52	Nó de Montante	6241CV150	61,33
					Nó de Jusante	6241CV160	119,62
6241TA040	1200	456,21	3737,55	3124,73	Nó de Montante	6241CV160	119,62
					Nó de Jusante	6241CV170	70,1
6241TA041	1200	195,48	3933,03	3320,21	Nó de Montante	6241CV170	70,1
					Nó de Jusante	6241CV180	74,05
6241TA042	1200	755,53	4688,56	4075,74	Nó de Montante	6241CV180	74,05
					Nó de Jusante	6241CV190	5,03
6241TA043	1200	140,27	4828,83	4216,01	Nó de Montante	6241CV190	5,03
					Nó de Jusante	6241CV200	49,41
6241TA044	1200	1050,47	5879,3	5266,48	Nó de Montante	6241CV200	49,41
					Nó de Jusante	Jovim	135

NOTA : Os troços a sombreado partem da estação elevatória da ETA fazendo a ligação à adutora DN1000 através do nó 6241CV050.a e à adutora DN1200 pelo nó 6241CV050.

Adutora que sai da ETA de Lever

ADUTORA LAGOA - JOVIM

ID Troço	Diâmetro do Troço (mm)	Comprimento do Troço (m)	Distância à origem (m)		ID Nós/Caixas de Visita	Cota Assent. da Conduta
6240TA010	1400	74	74	Nó de Montante	6240CV010	143,3
				Nó de Jusante	6240CV020	132,16
6240TA020	1400	40,11	114,11	Nó de Montante	6240CV020	132,16
				Nó de Jusante	6240CV030	129,91
6240TA030	1400	925,71	1039,82	Nó de Montante	6240CV030	129,91
				Nó de Jusante	6240CV040	78,02
6240TA040	1400	147,06	1186,88	Nó de Montante	6240CV040	78,02
				Nó de Jusante	6240CV050	9,59
6240TA050	1400	49,09	1235,97	Nó de Montante	6240CV050	9,59
				Nó de Jusante	6240CV060	9,14
6240TA060	1400	798,8	2034,77	Nó de Montante	6240CV060	9,14
				Nó de Jusante	6240CV070	7,25
6240TA070	1400	131,85	2166,62	Nó de Montante	6240CV070	7,25
				Nó de Jusante	6240CV080	0,49
6240TA080	1400	294,09	2460,71	Nó de Montante	6240CV080	0,49
				Nó de Jusante	6240CV090	3,7
6240TA090	1400	286,74	2747,45	Nó de Montante	6240CV090	3,7
				Nó de Jusante	6240CV100	1,49
6240TA100	1400	113,96	2861,41	Nó de Montante	6240CV100	1,49
				Nó de Jusante	6240CV110	7,55
6240TA110	1400	206,96	3068,37	Nó de Montante	6240CV110	7,55
				Nó de Jusante	6240CV120	22,98
6240TA120	1400	66,05	3134,42	Nó de Montante	6240CV120	22,98
				Nó de Jusante	6240CV130	26,81
6240TA130	1400	186,76	3321,18	Nó de Montante	6240CV130	26,81
				Nó de Jusante	6240CV140	12,69
6240TA140	1400	528,44	3849,62	Nó de Montante	6240CV140	12,69
				Nó de Jusante	6240CV150	21,09
6240TA150	1400	650,57	4500,19	Nó de Montante	6240CV150	21,09
				Nó de Jusante	6240CV160	17,47
6240TA160	1400	233,72	4733,91	Nó de Montante	6240CV160	17,47
				Nó de Jusante	6240CV170	65,55
6240TA170	1400	56,03	4789,94	Nó de Montante	6240CV170	65,55
				Nó de Jusante	6240CV180	85,79
6240TA180	1400	38,65	4828,59	Nó de Montante	6240CV180	85,79
				Nó de Jusante	6240CV190	124,96
6240TA190	1400	53,49	4882,08	Nó de Montante	6240CV190	124,96
				Nó de Jusante	6240CV200	121,98
6240TA200	1400	96,46	4978,54	Nó de Montante	6240CV200	121,98
				Nó de Jusante	6240CV210	124,35
6240TA210	1400	161,48	5140,02	Nó de Montante	6240CV210	124,35
				Nó de Jusante	6240CV220	111,07
6240TA220	1400	94,02	5234,04	Nó de Montante	6240CV220	111,07
				Nó de Jusante	6240CV230	119,91
6240TA230	1400	44,97	5279,01	Nó de Montante	6240CV230	119,91
				Nó de Jusante	6240CV240	106,35
6240TA240	1400	35,76	5314,77	Nó de Montante	6240CV240	106,35
				Nó de Jusante	6240CV250	125,2
6240TA250	1400	67,89	5382,66	Nó de Montante	6240CV250	125,2
				Nó de Jusante	6240CV260	125,94
6240TA260	1400	538,34	5921	Nó de Montante	6240CV260	125,94
				Nó de Jusante	6240CV270	123,23

ADUTORA LAGOA - SEIXO ALVO

ID Troço	Diâmetro do Troço (mm)	Comprimento do Troço (m)	Distância à origem (m)		ID Nós/Caixas de Visita	Cota Assentamento da Conduta
6342TA001	700	12,89	12,89	Nó de Montante	Lagoa-S.Alvo (saída Lagoa)	147,1
				Nó de Jusante	6342CV010	145,42
6342TA002	700	120,16	133,05	Nó de Montante	6342CV010	145,42
				Nó de Jusante	6342CV020	162,67
6342TA003	700	397,58	530,63	Nó de Montante	6342CV020	162,67
				Nó de Jusante	6342CV030	178,27
6342TA004	700	109,96	640,59	Nó de Montante	6342CV030	178,27
				Nó de Jusante	6342CV040	173,86
6342TA005	700	475,35	1115,94	Nó de Montante	6342CV040	173,86
				Nó de Jusante	6342CV060	210,77
6342TA006	700	20,29	1136,23	Nó de Montante	6342CV060	210,77
				Nó de Jusante	6342CV070	212,02
6342TA007	700	54,03	1190,26	Nó de Montante	6342CV070	212,02
				Nó de Jusante	Lagoa-S.Alvo (chegada S.Alvo)	214

ADUTORA SEIXO ALVO - ALTO DO MARQUINHO

ID Troço	Diâmetro do Troço (mm)	Comprimento do Troço (m)	Distância à origem (m)		ID Nós/Caixas de Visita	Cota Assent. da Conduta
6344TA001	800	7,8	7,8	Nó de Montante	6344CV010 (saída S. Alvo)	213,34
				Nó de Jusante	6344CV020	213,37
6344TA002	800	1208,29	1216,09	Nó de Montante	6344CV020	213,37
				Nó de Jusante	Alto do Marquinho	257,6

ANEXO II

REGISTOS DOS CONSUMOS NO SISTEMA

CONSUMOS – CRESTUMA

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	1145588,000				
09-02-2008	00:07:45	1145589,250	1,250	0,003	2,604	9,375
09-02-2008	00:17:45	1145591,125	1,875	0,003	3,125	11,250
09-02-2008	00:27:45	1145592,625	1,500	0,003	2,500	9,000
09-02-2008	00:37:45	1145593,750	1,125	0,002	1,875	6,750
09-02-2008	00:47:45	1145595,250	1,500	0,003	2,500	9,000
09-02-2008	00:57:46	1145596,500	1,250	0,002	2,083	7,500
09-02-2008	01:07:46	1145597,750	1,250	0,002	2,083	7,500
09-02-2008	01:17:46	1145599,000	1,250	0,002	2,083	7,500
09-02-2008	01:27:46	1145600,125	1,125	0,002	1,875	6,750
09-02-2008	01:37:46	1145601,000	0,875	0,001	1,458	5,250
09-02-2008	01:47:46	1145602,000	1,000	0,002	1,667	6,000
09-02-2008	01:57:46	1145603,000	1,000	0,002	1,667	6,000
09-02-2008	02:07:46	1145603,875	0,875	0,001	1,458	5,250
09-02-2008	02:17:46	1145604,750	0,875	0,001	1,458	5,250
09-02-2008	02:27:46	1145605,625	0,875	0,001	1,458	5,250
09-02-2008	02:37:46	1145606,375	0,750	0,001	1,250	4,500
09-02-2008	02:47:46	1145607,125	0,750	0,001	1,250	4,500
09-02-2008	02:57:46	1145608,000	0,875	0,001	1,458	5,250
09-02-2008	03:07:46	1145609,000	1,000	0,002	1,667	6,000
09-02-2008	03:17:46	1145609,750	0,750	0,001	1,250	4,500
09-02-2008	03:27:46	1145610,625	0,875	0,001	1,458	5,250
09-02-2008	03:37:46	1145611,375	0,750	0,001	1,250	4,500
09-02-2008	03:47:46	1145612,250	0,875	0,001	1,458	5,250
09-02-2008	03:57:46	1145613,000	0,750	0,001	1,250	4,500
09-02-2008	04:07:46	1145613,750	0,750	0,001	1,250	4,500
09-02-2008	04:17:46	1145614,500	0,750	0,001	1,250	4,500
09-02-2008	04:27:46	1145615,250	0,750	0,001	1,250	4,500
09-02-2008	04:37:46	1145616,125	0,875	0,001	1,458	5,250
09-02-2008	04:47:46	1145616,875	0,750	0,001	1,250	4,500
09-02-2008	04:57:46	1145617,625	0,750	0,001	1,250	4,500
09-02-2008	05:07:46	1145618,500	0,875	0,001	1,458	5,250
09-02-2008	05:17:46	1145619,250	0,750	0,001	1,250	4,500
09-02-2008	05:27:47	1145620,000	0,750	0,001	1,250	4,500
09-02-2008	05:37:47	1145620,750	0,750	0,001	1,250	4,500
09-02-2008	05:47:47	1145621,125	0,375	0,001	0,625	2,250
09-02-2008	05:57:47	1145621,125	0,000	0,000	0,000	0,000
09-02-2008	06:07:47	1145621,375	0,250	0,000	0,417	1,500
09-02-2008	06:17:47	1145621,375	0,000	0,000	0,000	0,000
09-02-2008	06:27:47	1145621,750	0,375	0,001	0,625	2,250
09-02-2008	06:37:47	1145621,750	0,000	0,000	0,000	0,000
09-02-2008	06:47:47	1145621,875	0,125	0,000	0,208	0,750
09-02-2008	06:57:47	1145622,250	0,375	0,001	0,625	2,250
09-02-2008	07:07:47	1145622,750	0,500	0,001	0,833	3,000
09-02-2008	07:17:47	1145623,750	1,000	0,002	1,667	6,000
09-02-2008	07:27:47	1145625,375	1,625	0,003	2,708	9,750
09-02-2008	07:37:47	1145626,500	1,125	0,002	1,875	6,750
09-02-2008	07:47:47	1145627,625	1,125	0,002	1,875	6,750
09-02-2008	07:57:47	1145628,875	1,250	0,002	2,083	7,500
09-02-2008	08:07:47	1145630,125	1,250	0,002	2,083	7,500
09-02-2008	08:17:47	1145632,375	2,250	0,004	3,750	13,500

09-02-2008	08:27:47	1145634,250	1,875	0,003	3,125	11,250
09-02-2008	08:37:47	1145636,250	2,000	0,003	3,333	12,000
09-02-2008	08:47:47	1145638,500	2,250	0,004	3,750	13,500
09-02-2008	08:57:47	1145641,625	3,125	0,005	5,208	18,750
09-02-2008	09:07:47	1145644,500	2,875	0,005	4,792	17,250
09-02-2008	09:17:47	1145647,750	3,250	0,005	5,417	19,500
09-02-2008	09:27:47	1145650,875	3,125	0,005	5,208	18,750
09-02-2008	09:37:47	1145653,875	3,000	0,005	5,000	18,000
09-02-2008	09:47:47	1145657,500	3,625	0,006	6,042	21,750
09-02-2008	09:57:47	1145661,625	4,125	0,007	6,875	24,750
09-02-2008	10:07:47	1145665,750	4,125	0,007	6,875	24,750
09-02-2008	10:17:47	1145670,000	4,250	0,007	7,083	25,500
09-02-2008	10:27:47	1145673,875	3,875	0,006	6,458	23,250
09-02-2008	10:37:47	1145677,875	4,000	0,007	6,667	24,000
09-02-2008	10:47:47	1145681,750	3,875	0,006	6,458	23,250
09-02-2008	10:57:47	1145685,500	3,750	0,006	6,250	22,500
09-02-2008	11:07:47	1145690,250	4,750	0,008	7,917	28,500
09-02-2008	11:17:47	1145694,875	4,625	0,008	7,708	27,750
09-02-2008	11:27:47	1145700,125	5,250	0,009	8,750	31,500
09-02-2008	11:37:47	1145705,000	4,875	0,008	8,125	29,250
09-02-2008	11:47:47	1145709,250	4,250	0,007	7,083	25,500
09-02-2008	11:57:47	1145713,750	4,500	0,008	7,500	27,000
09-02-2008	12:07:47	1145719,000	5,250	0,009	8,750	31,500
09-02-2008	12:17:47	1145723,375	4,375	0,007	7,292	26,250
09-02-2008	12:27:47	1145727,750	4,375	0,007	7,292	26,250
09-02-2008	12:37:47	1145732,500	4,750	0,008	7,917	28,500
09-02-2008	12:47:47	1145736,875	4,375	0,007	7,292	26,250
09-02-2008	12:57:48	1145740,875	4,000	0,007	6,667	24,000
09-02-2008	13:07:48	1145745,125	4,250	0,007	7,083	25,500
09-02-2008	13:17:48	1145748,750	3,625	0,006	6,042	21,750
09-02-2008	13:27:48	1145752,875	4,125	0,007	6,875	24,750
09-02-2008	13:37:48	1145756,750	3,875	0,006	6,458	23,250
09-02-2008	13:47:48	1145760,375	3,625	0,006	6,042	21,750
09-02-2008	13:57:48	1145764,500	4,125	0,007	6,875	24,750
09-02-2008	14:07:48	1145769,125	4,625	0,008	7,708	27,750
09-02-2008	14:17:48	1145773,125	4,000	0,007	6,667	24,000
09-02-2008	14:27:48	1145776,875	3,750	0,006	6,250	22,500
09-02-2008	14:37:48	1145781,375	4,500	0,008	7,500	27,000
09-02-2008	14:47:48	1145785,875	4,500	0,008	7,500	27,000
09-02-2008	14:57:48	1145789,875	4,000	0,007	6,667	24,000
09-02-2008	15:07:48	1145793,625	3,750	0,006	6,250	22,500
09-02-2008	15:17:48	1145797,625	4,000	0,007	6,667	24,000
09-02-2008	15:27:48	1145801,750	4,125	0,007	6,875	24,750
09-02-2008	15:37:48	1145805,250	3,500	0,006	5,833	21,000
09-02-2008	15:47:48	1145808,625	3,375	0,006	5,625	20,250
09-02-2008	15:57:48	1145813,250	4,625	0,008	7,708	27,750
09-02-2008	16:07:48	1145816,875	3,625	0,006	6,042	21,750
09-02-2008	16:17:48	1145821,125	4,250	0,007	7,083	25,500
09-02-2008	16:27:48	1145825,000	3,875	0,006	6,458	23,250
09-02-2008	16:37:48	1145828,125	3,125	0,005	5,208	18,750
09-02-2008	16:47:48	1145831,750	3,625	0,006	6,042	21,750
09-02-2008	16:57:48	1145836,375	4,625	0,008	7,708	27,750
09-02-2008	17:07:48	1145840,000	3,625	0,006	6,042	21,750
09-02-2008	17:17:48	1145844,500	4,500	0,008	7,500	27,000
09-02-2008	17:27:48	1145848,125	3,625	0,006	6,042	21,750

09-02-2008	17:37:48	1145851,625	3,500	0,006	5,833	21,000
09-02-2008	17:47:48	1145856,250	4,625	0,008	7,708	27,750
09-02-2008	17:57:48	1145861,125	4,875	0,008	8,125	29,250
09-02-2008	18:07:48	1145866,125	5,000	0,008	8,333	30,000
09-02-2008	18:17:48	1145870,750	4,625	0,008	7,708	27,750
09-02-2008	18:27:48	1145875,750	5,000	0,008	8,333	30,000
09-02-2008	18:37:48	1145880,000	4,250	0,007	7,083	25,500
09-02-2008	18:47:48	1145884,125	4,125	0,007	6,875	24,750
09-02-2008	18:57:48	1145887,125	3,000	0,005	5,000	18,000
09-02-2008	19:07:48	1145890,500	3,375	0,006	5,625	20,250
09-02-2008	19:17:48	1145893,750	3,250	0,005	5,417	19,500
09-02-2008	19:27:48	1145897,500	3,750	0,006	6,250	22,500
09-02-2008	19:37:49	1145901,125	3,625	0,006	6,042	21,750
09-02-2008	19:47:49	1145904,375	3,250	0,005	5,417	19,500
09-02-2008	19:57:49	1145907,375	3,000	0,005	5,000	18,000
09-02-2008	20:07:49	1145910,875	3,500	0,006	5,833	21,000
09-02-2008	20:17:49	1145914,375	3,500	0,006	5,833	21,000
09-02-2008	20:27:49	1145918,000	3,625	0,006	6,042	21,750
09-02-2008	20:37:49	1145921,500	3,500	0,006	5,833	21,000
09-02-2008	20:47:49	1145924,000	2,500	0,004	4,167	15,000
09-02-2008	20:57:49	1145926,500	2,500	0,004	4,167	15,000
09-02-2008	21:07:49	1145929,125	2,625	0,004	4,375	15,750
09-02-2008	21:17:49	1145931,625	2,500	0,004	4,167	15,000
09-02-2008	21:27:49	1145934,250	2,625	0,004	4,375	15,750
09-02-2008	21:37:49	1145937,125	2,875	0,005	4,792	17,250
09-02-2008	21:47:49	1145939,250	2,125	0,004	3,542	12,750
09-02-2008	21:57:49	1145941,375	2,125	0,004	3,542	12,750
09-02-2008	22:07:49	1145943,250	1,875	0,003	3,125	11,250
09-02-2008	22:17:49	1145945,375	2,125	0,004	3,542	12,750
09-02-2008	22:27:49	1145947,375	2,000	0,003	3,333	12,000
09-02-2008	22:37:49	1145949,500	2,125	0,004	3,542	12,750
09-02-2008	22:47:49	1145951,500	2,000	0,003	3,333	12,000
09-02-2008	22:57:49	1145953,750	2,250	0,004	3,750	13,500
09-02-2008	23:07:49	1145955,750	2,000	0,003	3,333	12,000
09-02-2008	23:17:49	1145957,625	1,875	0,003	3,125	11,250
09-02-2008	23:27:49	1145959,750	2,125	0,004	3,542	12,750
09-02-2008	23:37:49	1145961,875	2,125	0,004	3,542	12,750
09-02-2008	23:47:49	1145963,500	1,625	0,003	2,708	9,750
09-02-2008	23:57:49	1145965,375	1,875	0,003	3,125	11,250
10-02-2008	00:00:25	1145965,750	0,375	0,002	2,083	7,500

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:25	1145965,750				
10-02-2008	00:07:49	1145967,000	1,250	0,003	2,778	10,000
10-02-2008	00:17:49	1145968,375	1,375	0,002	2,292	8,250
10-02-2008	00:27:49	1145970,000	1,625	0,003	2,708	9,750
10-02-2008	00:37:49	1145971,500	1,500	0,003	2,500	9,000
10-02-2008	00:47:49	1145973,125	1,625	0,003	2,708	9,750
10-02-2008	00:57:49	1145975,000	1,875	0,003	3,125	11,250
10-02-2008	01:07:50	1145976,625	1,625	0,003	2,708	9,750
10-02-2008	01:17:50	1145978,000	1,375	0,002	2,292	8,250
10-02-2008	01:27:50	1145979,125	1,125	0,002	1,875	6,750
10-02-2008	01:37:50	1145980,250	1,125	0,002	1,875	6,750
10-02-2008	01:47:50	1145981,500	1,250	0,002	2,083	7,500
10-02-2008	01:57:50	1145982,625	1,125	0,002	1,875	6,750
10-02-2008	02:07:50	1145983,500	0,875	0,001	1,458	5,250
10-02-2008	02:17:50	1145984,500	1,000	0,002	1,667	6,000
10-02-2008	02:27:50	1145985,625	1,125	0,002	1,875	6,750
10-02-2008	02:37:50	1145986,625	1,000	0,002	1,667	6,000
10-02-2008	02:47:50	1145987,625	1,000	0,002	1,667	6,000
10-02-2008	02:57:50	1145988,500	0,875	0,001	1,458	5,250
10-02-2008	03:07:50	1145989,375	0,875	0,001	1,458	5,250
10-02-2008	03:17:50	1145990,250	0,875	0,001	1,458	5,250
10-02-2008	03:27:51	1145991,125	0,875	0,001	1,458	5,250
10-02-2008	03:37:51	1145991,875	0,750	0,001	1,250	4,500
10-02-2008	03:47:51	1145992,750	0,875	0,001	1,458	5,250
10-02-2008	03:57:51	1145993,500	0,750	0,001	1,250	4,500
10-02-2008	04:07:51	1145994,250	0,750	0,001	1,250	4,500
10-02-2008	04:17:51	1145995,125	0,875	0,001	1,458	5,250
10-02-2008	04:27:51	1145995,875	0,750	0,001	1,250	4,500
10-02-2008	04:37:51	1145996,625	0,750	0,001	1,250	4,500
10-02-2008	04:47:51	1145997,500	0,875	0,001	1,458	5,250
10-02-2008	04:57:51	1145998,250	0,750	0,001	1,250	4,500
10-02-2008	05:07:51	1145999,000	0,750	0,001	1,250	4,500
10-02-2008	05:17:51	1145999,750	0,750	0,001	1,250	4,500
10-02-2008	05:27:51	1146000,500	0,750	0,001	1,250	4,500
10-02-2008	05:37:52	1146001,250	0,750	0,001	1,250	4,500
10-02-2008	05:47:52	1146002,000	0,750	0,001	1,250	4,500
10-02-2008	05:57:52	1146002,750	0,750	0,001	1,250	4,500
10-02-2008	06:07:52	1146003,625	0,875	0,001	1,458	5,250
10-02-2008	06:17:52	1146004,500	0,875	0,001	1,458	5,250
10-02-2008	06:27:52	1146005,375	0,875	0,001	1,458	5,250
10-02-2008	06:37:52	1146006,250	0,875	0,001	1,458	5,250
10-02-2008	06:47:52	1146007,125	0,875	0,001	1,458	5,250
10-02-2008	06:57:52	1146008,375	1,250	0,002	2,083	7,500
10-02-2008	07:07:52	1146009,375	1,000	0,002	1,667	6,000
10-02-2008	07:17:52	1146010,625	1,250	0,002	2,083	7,500
10-02-2008	07:27:52	1146012,375	1,750	0,003	2,917	10,500
10-02-2008	07:37:52	1146014,000	1,625	0,003	2,708	9,750
10-02-2008	07:47:52	1146015,375	1,375	0,002	2,292	8,250
10-02-2008	07:57:52	1146016,625	1,250	0,002	2,083	7,500

10-02-2008	08:07:52	1146017,875	1,250	0,002	2,083	7,500
10-02-2008	08:17:52	1146019,500	1,625	0,003	2,708	9,750
10-02-2008	08:27:52	1146021,000	1,500	0,003	2,500	9,000
10-02-2008	08:37:52	1146022,750	1,750	0,003	2,917	10,500
10-02-2008	08:47:52	1146025,125	2,375	0,004	3,958	14,250
10-02-2008	08:57:52	1146027,750	2,625	0,004	4,375	15,750
10-02-2008	09:07:52	1146031,750	4,000	0,007	6,667	24,000
10-02-2008	09:17:52	1146035,250	3,500	0,006	5,833	21,000
10-02-2008	09:27:52	1146039,375	4,125	0,007	6,875	24,750
10-02-2008	09:37:52	1146043,250	3,875	0,006	6,458	23,250
10-02-2008	09:47:52	1146047,375	4,125	0,007	6,875	24,750
10-02-2008	09:57:52	1146051,750	4,375	0,007	7,292	26,250
10-02-2008	10:07:52	1146057,250	5,500	0,009	9,167	33,000
10-02-2008	10:17:52	1146062,125	4,875	0,008	8,125	29,250
10-02-2008	10:27:52	1146066,375	4,250	0,007	7,083	25,500
10-02-2008	10:37:52	1146070,625	4,250	0,007	7,083	25,500
10-02-2008	10:47:52	1146075,125	4,500	0,008	7,500	27,000
10-02-2008	10:57:52	1146079,500	4,375	0,007	7,292	26,250
10-02-2008	11:07:52	1146084,375	4,875	0,008	8,125	29,250
10-02-2008	11:17:52	1146089,125	4,750	0,008	7,917	28,500
10-02-2008	11:27:52	1146093,375	4,250	0,007	7,083	25,500
10-02-2008	11:37:52	1146097,625	4,250	0,007	7,083	25,500
10-02-2008	11:47:52	1146102,000	4,375	0,007	7,292	26,250
10-02-2008	11:57:53	1146106,750	4,750	0,008	7,917	28,500
10-02-2008	12:07:53	1146110,625	3,875	0,006	6,458	23,250
10-02-2008	12:17:53	1146115,250	4,625	0,008	7,708	27,750
10-02-2008	12:27:53	1146119,500	4,250	0,007	7,083	25,500
10-02-2008	12:37:53	1146123,750	4,250	0,007	7,083	25,500
10-02-2008	12:47:53	1146127,375	3,625	0,006	6,042	21,750
10-02-2008	12:57:53	1146131,250	3,875	0,006	6,458	23,250
10-02-2008	13:07:53	1146134,750	3,500	0,006	5,833	21,000
10-02-2008	13:17:53	1146138,250	3,500	0,006	5,833	21,000
10-02-2008	13:27:53	1146141,500	3,250	0,005	5,417	19,500
10-02-2008	13:37:53	1146145,375	3,875	0,006	6,458	23,250
10-02-2008	13:47:53	1146148,750	3,375	0,006	5,625	20,250
10-02-2008	13:57:53	1146152,500	3,750	0,006	6,250	22,500
10-02-2008	14:07:53	1146155,875	3,375	0,006	5,625	20,250
10-02-2008	14:17:53	1146159,375	3,500	0,006	5,833	21,000
10-02-2008	14:27:53	1146162,500	3,125	0,005	5,208	18,750
10-02-2008	14:37:53	1146165,875	3,375	0,006	5,625	20,250
10-02-2008	14:47:53	1146169,250	3,375	0,006	5,625	20,250
10-02-2008	14:57:53	1146172,375	3,125	0,005	5,208	18,750
10-02-2008	15:07:53	1146175,625	3,250	0,005	5,417	19,500
10-02-2008	15:17:53	1146178,375	2,750	0,005	4,583	16,500
10-02-2008	15:27:53	1146181,125	2,750	0,005	4,583	16,500
10-02-2008	15:37:53	1146184,000	2,875	0,005	4,792	17,250
10-02-2008	15:47:53	1146186,250	2,250	0,004	3,750	13,500
10-02-2008	15:57:53	1146188,500	2,250	0,004	3,750	13,500
10-02-2008	16:07:53	1146191,000	2,500	0,004	4,167	15,000
10-02-2008	16:17:53	1146193,625	2,625	0,004	4,375	15,750
10-02-2008	16:27:53	1146196,250	2,625	0,004	4,375	15,750
10-02-2008	16:37:53	1146198,500	2,250	0,004	3,750	13,500
10-02-2008	16:47:53	1146201,000	2,500	0,004	4,167	15,000
10-02-2008	16:57:53	1146203,250	2,250	0,004	3,750	13,500
10-02-2008	17:07:53	1146205,750	2,500	0,004	4,167	15,000

10-02-2008	17:17:53	1146208,375	2,625	0,004	4,375	15,750
10-02-2008	17:27:53	1146210,750	2,375	0,004	3,958	14,250
10-02-2008	17:37:53	1146212,875	2,125	0,004	3,542	12,750
10-02-2008	17:47:54	1146214,500	1,625	0,003	2,708	9,750
10-02-2008	17:57:54	1146216,125	1,625	0,003	2,708	9,750
10-02-2008	18:07:54	1146218,000	1,875	0,003	3,125	11,250
10-02-2008	18:17:54	1146220,000	2,000	0,003	3,333	12,000
10-02-2008	18:27:54	1146221,750	1,750	0,003	2,917	10,500
10-02-2008	18:37:54	1146223,500	1,750	0,003	2,917	10,500
10-02-2008	18:47:54	1146225,125	1,625	0,003	2,708	9,750
10-02-2008	18:57:54	1146227,125	2,000	0,003	3,333	12,000
10-02-2008	19:07:54	1146229,375	2,250	0,004	3,750	13,500
10-02-2008	19:17:54	1146231,125	1,750	0,003	2,917	10,500
10-02-2008	19:27:54	1146232,875	1,750	0,003	2,917	10,500
10-02-2008	19:37:54	1146234,750	1,875	0,003	3,125	11,250
10-02-2008	19:47:54	1146236,500	1,750	0,003	2,917	10,500
10-02-2008	19:57:54	1146238,000	1,500	0,003	2,500	9,000
10-02-2008	20:07:54	1146239,875	1,875	0,003	3,125	11,250
10-02-2008	20:17:54	1146241,750	1,875	0,003	3,125	11,250
10-02-2008	20:27:54	1146243,750	2,000	0,003	3,333	12,000
10-02-2008	20:37:54	1146246,000	2,250	0,004	3,750	13,500
10-02-2008	20:47:54	1146248,000	2,000	0,003	3,333	12,000
10-02-2008	20:57:54	1146250,000	2,000	0,003	3,333	12,000
10-02-2008	21:07:54	1146251,875	1,875	0,003	3,125	11,250
10-02-2008	21:17:54	1146253,875	2,000	0,003	3,333	12,000
10-02-2008	21:27:54	1146255,875	2,000	0,003	3,333	12,000
10-02-2008	21:37:54	1146258,375	2,500	0,004	4,167	15,000
10-02-2008	21:47:54	1146260,750	2,375	0,004	3,958	14,250
10-02-2008	21:57:54	1146262,625	1,875	0,003	3,125	11,250
10-02-2008	22:07:54	1146264,875	2,250	0,004	3,750	13,500
10-02-2008	22:17:54	1146267,375	2,500	0,004	4,167	15,000
10-02-2008	22:27:54	1146269,250	1,875	0,003	3,125	11,250
10-02-2008	22:37:54	1146271,375	2,125	0,004	3,542	12,750
10-02-2008	22:47:54	1146273,750	2,375	0,004	3,958	14,250
10-02-2008	22:57:55	1146275,875	2,125	0,004	3,542	12,750
10-02-2008	23:07:55	1146278,125	2,250	0,004	3,750	13,500
10-02-2008	23:17:55	1146280,250	2,125	0,004	3,542	12,750
10-02-2008	23:27:55	1146282,125	1,875	0,003	3,125	11,250
10-02-2008	23:37:55	1146283,875	1,750	0,003	2,917	10,500
10-02-2008	23:47:55	1146285,500	1,625	0,003	2,708	9,750
10-02-2008	23:57:55	1146287,250	1,750	0,003	2,917	10,500
11-02-2008	00:00:13	1146287,500	0,250	0,002	1,667	6,000

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	1146287,500				
11-02-2008	00:07:55	1146288,750	1,250	0,003	2,604	9,375
11-02-2008	00:17:55	1146290,375	1,625	0,003	2,708	9,750
11-02-2008	00:27:55	1146291,750	1,375	0,002	2,292	8,250
11-02-2008	00:37:55	1146292,875	1,125	0,002	1,875	6,750
11-02-2008	00:47:55	1146294,000	1,125	0,002	1,875	6,750
11-02-2008	00:57:55	1146295,125	1,125	0,002	1,875	6,750
11-02-2008	01:07:55	1146296,125	1,000	0,002	1,667	6,000
11-02-2008	01:17:55	1146297,000	0,875	0,001	1,458	5,250
11-02-2008	01:27:55	1146297,875	0,875	0,001	1,458	5,250
11-02-2008	01:37:55	1146298,625	0,750	0,001	1,250	4,500
11-02-2008	01:47:55	1146299,250	0,625	0,001	1,042	3,750
11-02-2008	01:57:55	1146300,125	0,875	0,001	1,458	5,250
11-02-2008	02:07:55	1146301,000	0,875	0,001	1,458	5,250
11-02-2008	02:17:55	1146301,750	0,750	0,001	1,250	4,500
11-02-2008	02:27:55	1146302,625	0,875	0,001	1,458	5,250
11-02-2008	02:37:55	1146303,375	0,750	0,001	1,250	4,500
11-02-2008	02:47:55	1146304,000	0,625	0,001	1,042	3,750
11-02-2008	02:57:55	1146304,750	0,750	0,001	1,250	4,500
11-02-2008	03:07:55	1146305,625	0,875	0,001	1,458	5,250
11-02-2008	03:17:55	1146306,250	0,625	0,001	1,042	3,750
11-02-2008	03:27:55	1146307,000	0,750	0,001	1,250	4,500
11-02-2008	03:37:55	1146307,750	0,750	0,001	1,250	4,500
11-02-2008	03:47:55	1146308,375	0,625	0,001	1,042	3,750
11-02-2008	03:57:55	1146309,125	0,750	0,001	1,250	4,500
11-02-2008	04:07:55	1146309,875	0,750	0,001	1,250	4,500
11-02-2008	04:17:55	1146310,625	0,750	0,001	1,250	4,500
11-02-2008	04:27:55	1146311,375	0,750	0,001	1,250	4,500
11-02-2008	04:37:55	1146312,125	0,750	0,001	1,250	4,500
11-02-2008	04:47:55	1146312,875	0,750	0,001	1,250	4,500
11-02-2008	04:57:56	1146313,625	0,750	0,001	1,250	4,500
11-02-2008	05:07:56	1146314,250	0,625	0,001	1,042	3,750
11-02-2008	05:17:56	1146315,000	0,750	0,001	1,250	4,500
11-02-2008	05:27:56	1146315,750	0,750	0,001	1,250	4,500
11-02-2008	05:37:56	1146316,375	0,625	0,001	1,042	3,750
11-02-2008	05:47:56	1146316,375	0,000	0,000	0,000	0,000
11-02-2008	05:57:56	1146316,375	0,000	0,000	0,000	0,000
11-02-2008	06:07:56	1146316,500	0,125	0,000	0,208	0,750
11-02-2008	06:17:56	1146316,750	0,250	0,000	0,417	1,500
11-02-2008	06:27:56	1146317,125	0,375	0,001	0,625	2,250
11-02-2008	06:37:56	1146317,625	0,500	0,001	0,833	3,000
11-02-2008	06:47:56	1146318,375	0,750	0,001	1,250	4,500
11-02-2008	06:57:56	1146319,375	1,000	0,002	1,667	6,000
11-02-2008	07:07:56	1146320,500	1,125	0,002	1,875	6,750
11-02-2008	07:17:56	1146322,125	1,625	0,003	2,708	9,750
11-02-2008	07:27:56	1146324,500	2,375	0,004	3,958	14,250
11-02-2008	07:37:56	1146326,625	2,125	0,004	3,542	12,750
11-02-2008	07:47:56	1146329,000	2,375	0,004	3,958	14,250
11-02-2008	07:57:56	1146331,000	2,000	0,003	3,333	12,000
11-02-2008	08:07:56	1146332,750	1,750	0,003	2,917	10,500

11-02-2008	08:17:56	1146334,625	1,875	0,003	3,125	11,250
11-02-2008	08:27:56	1146336,750	2,125	0,004	3,542	12,750
11-02-2008	08:37:56	1146339,125	2,375	0,004	3,958	14,250
11-02-2008	08:47:56	1146341,875	2,750	0,005	4,583	16,500
11-02-2008	08:57:56	1146344,625	2,750	0,005	4,583	16,500
11-02-2008	09:07:56	1146346,875	2,250	0,004	3,750	13,500
11-02-2008	09:17:56	1146349,000	2,125	0,004	3,542	12,750
11-02-2008	09:27:56	1146351,000	2,000	0,003	3,333	12,000
11-02-2008	09:37:56	1146353,375	2,375	0,004	3,958	14,250
11-02-2008	09:47:56	1146355,625	2,250	0,004	3,750	13,500
11-02-2008	09:57:56	1146358,125	2,500	0,004	4,167	15,000
11-02-2008	10:07:56	1146360,875	2,750	0,005	4,583	16,500
11-02-2008	10:17:56	1146363,500	2,625	0,004	4,375	15,750
11-02-2008	10:27:56	1146367,125	3,625	0,006	6,042	21,750
11-02-2008	10:37:56	1146370,625	3,500	0,006	5,833	21,000
11-02-2008	10:47:56	1146374,000	3,375	0,006	5,625	20,250
11-02-2008	10:57:56	1146378,000	4,000	0,007	6,667	24,000
11-02-2008	11:07:56	1146381,125	3,125	0,005	5,208	18,750
11-02-2008	11:17:56	1146384,375	3,250	0,005	5,417	19,500
11-02-2008	11:27:56	1146387,750	3,375	0,006	5,625	20,250
11-02-2008	11:37:56	1146391,500	3,750	0,006	6,250	22,500
11-02-2008	11:47:57	1146395,000	3,500	0,006	5,833	21,000
11-02-2008	11:57:57	1146398,375	3,375	0,006	5,625	20,250
11-02-2008	12:07:57	1146401,625	3,250	0,005	5,417	19,500
11-02-2008	12:17:57	1146404,250	2,625	0,004	4,375	15,750
11-02-2008	12:27:57	1146406,750	2,500	0,004	4,167	15,000
11-02-2008	12:37:57	1146409,625	2,875	0,005	4,792	17,250
11-02-2008	12:47:57	1146412,250	2,625	0,004	4,375	15,750
11-02-2008	12:57:57	1146415,000	2,750	0,005	4,583	16,500
11-02-2008	13:07:57	1146417,125	2,125	0,004	3,542	12,750
11-02-2008	13:17:57	1146419,125	2,000	0,003	3,333	12,000
11-02-2008	13:27:57	1146421,000	1,875	0,003	3,125	11,250
11-02-2008	13:37:57	1146423,125	2,125	0,004	3,542	12,750
11-02-2008	13:47:57	1146425,375	2,250	0,004	3,750	13,500
11-02-2008	13:57:57	1146428,000	2,625	0,004	4,375	15,750
11-02-2008	14:07:57	1146430,250	2,250	0,004	3,750	13,500
11-02-2008	14:17:57	1146432,750	2,500	0,004	4,167	15,000
11-02-2008	14:27:57	1146436,000	3,250	0,005	5,417	19,500
11-02-2008	14:37:57	1146439,375	3,375	0,006	5,625	20,250
11-02-2008	14:47:57	1146442,750	3,375	0,006	5,625	20,250
11-02-2008	14:57:57	1146445,875	3,125	0,005	5,208	18,750
11-02-2008	15:07:57	1146447,875	2,000	0,003	3,333	12,000
11-02-2008	15:17:57	1146449,750	1,875	0,003	3,125	11,250
11-02-2008	15:27:57	1146451,875	2,125	0,004	3,542	12,750
11-02-2008	15:37:57	1146454,125	2,250	0,004	3,750	13,500
11-02-2008	15:47:57	1146456,250	2,125	0,004	3,542	12,750
11-02-2008	15:57:57	1146458,250	2,000	0,003	3,333	12,000
11-02-2008	16:07:57	1146460,625	2,375	0,004	3,958	14,250
11-02-2008	16:17:57	1146462,875	2,250	0,004	3,750	13,500
11-02-2008	16:27:57	1146465,125	2,250	0,004	3,750	13,500
11-02-2008	16:37:57	1146467,250	2,125	0,004	3,542	12,750
11-02-2008	16:47:57	1146469,375	2,125	0,004	3,542	12,750
11-02-2008	16:57:57	1146471,375	2,000	0,003	3,333	12,000
11-02-2008	17:07:57	1146473,625	2,250	0,004	3,750	13,500
11-02-2008	17:17:57	1146475,500	1,875	0,003	3,125	11,250

11-02-2008	17:27:57	1146477,500	2,000	0,003	3,333	12,000
11-02-2008	17:37:57	1146479,125	1,625	0,003	2,708	9,750
11-02-2008	17:47:57	1146481,000	1,875	0,003	3,125	11,250
11-02-2008	17:57:57	1146483,375	2,375	0,004	3,958	14,250
11-02-2008	18:07:57	1146485,500	2,125	0,004	3,542	12,750
11-02-2008	18:17:58	1146487,375	1,875	0,003	3,125	11,250
11-02-2008	18:27:58	1146489,375	2,000	0,003	3,333	12,000
11-02-2008	18:37:58	1146491,750	2,375	0,004	3,958	14,250
11-02-2008	18:50:08	1146494,750	3,000	0,005	5,000	18,000
11-02-2008	19:00:08	1146497,375	2,625	0,004	4,375	15,750
11-02-2008	19:10:08	1146500,000	2,625	0,004	4,375	15,750
11-02-2008	19:20:08	1146502,875	2,875	0,005	4,792	17,250
11-02-2008	19:30:08	1146505,750	2,875	0,005	4,792	17,250
11-02-2008	19:40:35	1146508,500	2,750	0,005	4,583	16,500
11-02-2008	19:51:37	1146511,125	2,625	0,004	4,375	15,750
11-02-2008	20:01:37	1146513,375	2,250	0,004	3,750	13,500
11-02-2008	20:11:37	1146515,750	2,375	0,004	3,958	14,250
11-02-2008	20:21:37	1146517,875	2,125	0,004	3,542	12,750
11-02-2008	20:31:37	1146521,000	3,125	0,005	5,208	18,750
11-02-2008	20:41:37	1146523,625	2,625	0,004	4,375	15,750
11-02-2008	20:51:37	1146525,875	2,250	0,004	3,750	13,500
11-02-2008	21:01:37	1146528,375	2,500	0,004	4,167	15,000
11-02-2008	21:11:37	1146530,625	2,250	0,004	3,750	13,500
11-02-2008	21:21:37	1146533,125	2,500	0,004	4,167	15,000
11-02-2008	21:31:37	1146535,625	2,500	0,004	4,167	15,000
11-02-2008	21:41:37	1146537,750	2,125	0,004	3,542	12,750
11-02-2008	21:51:37	1146539,750	2,000	0,003	3,333	12,000
11-02-2008	22:01:37	1146541,750	2,000	0,003	3,333	12,000
11-02-2008	22:11:37	1146544,125	2,375	0,004	3,958	14,250
11-02-2008	22:21:37	1146546,375	2,250	0,004	3,750	13,500
11-02-2008	22:31:37	1146548,375	2,000	0,003	3,333	12,000
11-02-2008	22:41:37	1146550,375	2,000	0,003	3,333	12,000
11-02-2008	22:51:37	1146552,500	2,125	0,004	3,542	12,750
11-02-2008	23:01:37	1146554,625	2,125	0,004	3,542	12,750
11-02-2008	23:11:38	1146556,375	1,750	0,003	2,917	10,500
11-02-2008	23:21:38	1146558,250	1,875	0,003	3,125	11,250
11-02-2008	23:31:38	1146559,625	1,375	0,002	2,292	8,250
11-02-2008	23:41:38	1146561,375	1,750	0,003	2,917	10,500
11-02-2008	23:51:38	1146562,875	1,500	0,003	2,500	9,000
12-02-2008	00:00:04	1146563,875	1,000	0,002	1,852	6,667

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	1146563,875				
12-02-2008	00:01:38	1146564,000	0,125	0,001	1,389	5,000
12-02-2008	00:11:38	1146565,125	1,125	0,002	1,875	6,750
12-02-2008	00:21:38	1146566,250	1,125	0,002	1,875	6,750
12-02-2008	00:31:38	1146567,250	1,000	0,002	1,667	6,000
12-02-2008	00:41:38	1146568,125	0,875	0,001	1,458	5,250
12-02-2008	00:51:38	1146569,125	1,000	0,002	1,667	6,000
12-02-2008	01:01:38	1146570,125	1,000	0,002	1,667	6,000
12-02-2008	01:11:38	1146571,125	1,000	0,002	1,667	6,000
12-02-2008	01:21:38	1146572,250	1,125	0,002	1,875	6,750
12-02-2008	01:31:38	1146573,000	0,750	0,001	1,250	4,500
12-02-2008	01:41:38	1146573,750	0,750	0,001	1,250	4,500
12-02-2008	01:51:38	1146574,500	0,750	0,001	1,250	4,500
12-02-2008	02:01:38	1146575,250	0,750	0,001	1,250	4,500
12-02-2008	02:11:38	1146575,875	0,625	0,001	1,042	3,750
12-02-2008	02:21:38	1146576,625	0,750	0,001	1,250	4,500
12-02-2008	02:31:38	1146577,125	0,500	0,001	0,833	3,000
12-02-2008	02:41:38	1146577,750	0,625	0,001	1,042	3,750
12-02-2008	02:51:38	1146578,500	0,750	0,001	1,250	4,500
12-02-2008	03:01:38	1146579,125	0,625	0,001	1,042	3,750
12-02-2008	03:11:38	1146579,750	0,625	0,001	1,042	3,750
12-02-2008	03:21:38	1146580,375	0,625	0,001	1,042	3,750
12-02-2008	03:31:38	1146580,625	0,250	0,000	0,417	1,500
12-02-2008	03:41:38	1146580,875	0,250	0,000	0,417	1,500
12-02-2008	03:51:38	1146581,500	0,625	0,001	1,042	3,750
12-02-2008	04:01:38	1146582,000	0,500	0,001	0,833	3,000
12-02-2008	04:11:38	1146582,625	0,625	0,001	1,042	3,750
12-02-2008	04:21:38	1146583,250	0,625	0,001	1,042	3,750
12-02-2008	04:31:38	1146583,500	0,250	0,000	0,417	1,500
12-02-2008	04:41:39	1146583,875	0,375	0,001	0,625	2,250
12-02-2008	04:51:39	1146584,500	0,625	0,001	1,042	3,750
12-02-2008	05:01:39	1146585,000	0,500	0,001	0,833	3,000
12-02-2008	05:11:39	1146585,500	0,500	0,001	0,833	3,000
12-02-2008	05:21:39	1146586,125	0,625	0,001	1,042	3,750
12-02-2008	05:31:39	1146586,625	0,500	0,001	0,833	3,000
12-02-2008	05:41:39	1146587,375	0,750	0,001	1,250	4,500
12-02-2008	05:51:39	1146588,125	0,750	0,001	1,250	4,500
12-02-2008	06:01:39	1146588,875	0,750	0,001	1,250	4,500
12-02-2008	06:11:39	1146589,750	0,875	0,001	1,458	5,250
12-02-2008	06:21:39	1146590,625	0,875	0,001	1,458	5,250
12-02-2008	06:31:39	1146591,625	1,000	0,002	1,667	6,000
12-02-2008	06:41:39	1146592,500	0,875	0,001	1,458	5,250
12-02-2008	06:51:39	1146593,875	1,375	0,002	2,292	8,250
12-02-2008	07:01:39	1146595,250	1,375	0,002	2,292	8,250
12-02-2008	07:11:39	1146597,000	1,750	0,003	2,917	10,500
12-02-2008	07:21:39	1146599,500	2,500	0,004	4,167	15,000
12-02-2008	07:31:39	1146602,375	2,875	0,005	4,792	17,250
12-02-2008	07:41:39	1146604,875	2,500	0,004	4,167	15,000
12-02-2008	07:51:39	1146607,500	2,625	0,004	4,375	15,750

12-02-2008	08:01:39	1146610,000	2,500	0,004	4,167	15,000
12-02-2008	08:11:39	1146612,000	2,000	0,003	3,333	12,000
12-02-2008	08:21:39	1146614,125	2,125	0,004	3,542	12,750
12-02-2008	08:31:39	1146616,500	2,375	0,004	3,958	14,250
12-02-2008	08:41:40	1146618,750	2,250	0,004	3,750	13,500
12-02-2008	08:51:40	1146621,250	2,500	0,004	4,167	15,000
12-02-2008	09:01:40	1146623,750	2,500	0,004	4,167	15,000
12-02-2008	09:11:40	1146625,625	1,875	0,003	3,125	11,250
12-02-2008	09:21:40	1146627,750	2,125	0,004	3,542	12,750
12-02-2008	09:31:40	1146630,125	2,375	0,004	3,958	14,250
12-02-2008	09:41:40	1146632,875	2,750	0,005	4,583	16,500
12-02-2008	09:51:40	1146635,375	2,500	0,004	4,167	15,000
12-02-2008	10:01:40	1146637,750	2,375	0,004	3,958	14,250
12-02-2008	10:11:40	1146640,375	2,625	0,004	4,375	15,750
12-02-2008	10:21:40	1146643,125	2,750	0,005	4,583	16,500
12-02-2008	10:31:40	1146646,000	2,875	0,005	4,792	17,250
12-02-2008	10:41:40	1146649,375	3,375	0,006	5,625	20,250
12-02-2008	10:51:40	1146652,625	3,250	0,005	5,417	19,500
12-02-2008	11:01:40	1146656,250	3,625	0,006	6,042	21,750
12-02-2008	11:11:40	1146659,625	3,375	0,006	5,625	20,250
12-02-2008	11:21:40	1146663,000	3,375	0,006	5,625	20,250
12-02-2008	11:31:40	1146666,250	3,250	0,005	5,417	19,500
12-02-2008	11:41:40	1146669,375	3,125	0,005	5,208	18,750
12-02-2008	11:51:40	1146672,875	3,500	0,006	5,833	21,000
12-02-2008	12:01:40	1146675,750	2,875	0,005	4,792	17,250
12-02-2008	12:11:40	1146678,250	2,500	0,004	4,167	15,000
12-02-2008	12:21:40	1146680,625	2,375	0,004	3,958	14,250
12-02-2008	12:31:40	1146683,000	2,375	0,004	3,958	14,250
12-02-2008	12:41:40	1146685,625	2,625	0,004	4,375	15,750
12-02-2008	12:51:40	1146688,000	2,375	0,004	3,958	14,250
12-02-2008	13:01:40	1146690,250	2,250	0,004	3,750	13,500
12-02-2008	13:11:40	1146692,625	2,375	0,004	3,958	14,250
12-02-2008	13:21:40	1146694,750	2,125	0,004	3,542	12,750
12-02-2008	13:31:40	1146697,125	2,375	0,004	3,958	14,250
12-02-2008	13:41:40	1146699,500	2,375	0,004	3,958	14,250
12-02-2008	13:51:40	1146701,875	2,375	0,004	3,958	14,250
12-02-2008	14:01:40	1146703,750	1,875	0,003	3,125	11,250
12-02-2008	14:11:40	1146706,000	2,250	0,004	3,750	13,500
12-02-2008	14:21:40	1146708,000	2,000	0,003	3,333	12,000
12-02-2008	14:31:40	1146709,750	1,750	0,003	2,917	10,500
12-02-2008	14:41:40	1146711,625	1,875	0,003	3,125	11,250
12-02-2008	14:51:41	1146713,750	2,125	0,004	3,542	12,750
12-02-2008	15:01:41	1146715,750	2,000	0,003	3,333	12,000
12-02-2008	15:11:41	1146717,750	2,000	0,003	3,333	12,000
12-02-2008	15:21:41	1146719,750	2,000	0,003	3,333	12,000
12-02-2008	15:31:41	1146721,750	2,000	0,003	3,333	12,000
12-02-2008	15:41:41	1146723,500	1,750	0,003	2,917	10,500
12-02-2008	15:51:41	1146725,250	1,750	0,003	2,917	10,500
12-02-2008	16:01:41	1146726,875	1,625	0,003	2,708	9,750
12-02-2008	16:11:41	1146728,250	1,375	0,002	2,292	8,250
12-02-2008	16:21:41	1146729,875	1,625	0,003	2,708	9,750
12-02-2008	16:31:41	1146731,375	1,500	0,003	2,500	9,000
12-02-2008	16:41:41	1146733,250	1,875	0,003	3,125	11,250
12-02-2008	16:51:41	1146734,625	1,375	0,002	2,292	8,250
12-02-2008	17:01:41	1146736,125	1,500	0,003	2,500	9,000

12-02-2008	17:11:41	1146738,000	1,875	0,003	3,125	11,250
12-02-2008	17:21:41	1146740,250	2,250	0,004	3,750	13,500
12-02-2008	17:31:41	1146742,250	2,000	0,003	3,333	12,000
12-02-2008	17:41:41	1146744,250	2,000	0,003	3,333	12,000
12-02-2008	17:51:41	1146746,375	2,125	0,004	3,542	12,750
12-02-2008	18:01:41	1146748,750	2,375	0,004	3,958	14,250
12-02-2008	18:11:41	1146750,750	2,000	0,003	3,333	12,000
12-02-2008	18:21:41	1146752,625	1,875	0,003	3,125	11,250
12-02-2008	18:31:41	1146754,750	2,125	0,004	3,542	12,750
12-02-2008	18:41:41	1146757,500	2,750	0,005	4,583	16,500
12-02-2008	18:51:41	1146760,125	2,625	0,004	4,375	15,750
12-02-2008	19:01:41	1146762,750	2,625	0,004	4,375	15,750
12-02-2008	19:11:41	1146765,000	2,250	0,004	3,750	13,500
12-02-2008	19:21:41	1146767,750	2,750	0,005	4,583	16,500
12-02-2008	19:31:41	1146770,000	2,250	0,004	3,750	13,500
12-02-2008	19:41:41	1146772,000	2,000	0,003	3,333	12,000
12-02-2008	19:51:41	1146774,250	2,250	0,004	3,750	13,500
12-02-2008	20:01:41	1146776,250	2,000	0,003	3,333	12,000
12-02-2008	20:11:41	1146778,625	2,375	0,004	3,958	14,250
12-02-2008	20:21:41	1146781,500	2,875	0,005	4,792	17,250
12-02-2008	20:31:41	1146784,250	2,750	0,005	4,583	16,500
12-02-2008	20:41:41	1146787,250	3,000	0,005	5,000	18,000
12-02-2008	20:51:41	1146789,625	2,375	0,004	3,958	14,250
12-02-2008	21:01:41	1146792,625	3,000	0,005	5,000	18,000
12-02-2008	21:11:41	1146795,250	2,625	0,004	4,375	15,750
12-02-2008	21:21:41	1146798,375	3,125	0,005	5,208	18,750
12-02-2008	21:31:42	1146801,750	3,375	0,006	5,625	20,250
12-02-2008	21:41:42	1146804,625	2,875	0,005	4,792	17,250
12-02-2008	21:51:42	1146807,000	2,375	0,004	3,958	14,250
12-02-2008	22:01:42	1146809,500	2,500	0,004	4,167	15,000
12-02-2008	22:11:42	1146812,125	2,625	0,004	4,375	15,750
12-02-2008	22:21:42	1146814,750	2,625	0,004	4,375	15,750
12-02-2008	22:31:42	1146817,000	2,250	0,004	3,750	13,500
12-02-2008	22:41:42	1146819,375	2,375	0,004	3,958	14,250
12-02-2008	22:51:42	1146821,875	2,500	0,004	4,167	15,000
12-02-2008	23:01:42	1146824,250	2,375	0,004	3,958	14,250
12-02-2008	23:11:42	1146826,500	2,250	0,004	3,750	13,500
12-02-2008	23:21:42	1146829,000	2,500	0,004	4,167	15,000
12-02-2008	23:31:42	1146831,000	2,000	0,003	3,333	12,000
12-02-2008	23:41:42	1146833,000	2,000	0,003	3,333	12,000
12-02-2008	23:51:42	1146834,875	1,875	0,003	3,125	11,250
13-02-2008	00:00:24	1146836,375	1,500	0,003	2,778	10,000

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	1146836,375				
13-02-2008	00:01:42	1146836,625	0,250	0,003	2,778	10,000
13-02-2008	00:11:42	1146838,375	1,750	0,003	2,917	10,500
13-02-2008	00:21:42	1146840,125	1,750	0,003	2,917	10,500
13-02-2008	00:31:42	1146841,625	1,500	0,003	2,500	9,000
13-02-2008	00:41:42	1146843,125	1,500	0,003	2,500	9,000
13-02-2008	00:51:42	1146844,625	1,500	0,003	2,500	9,000
13-02-2008	01:01:42	1146846,000	1,375	0,002	2,292	8,250
13-02-2008	01:11:42	1146847,125	1,125	0,002	1,875	6,750
13-02-2008	01:21:42	1146848,375	1,250	0,002	2,083	7,500
13-02-2008	01:31:42	1146849,500	1,125	0,002	1,875	6,750
13-02-2008	01:41:42	1146850,625	1,125	0,002	1,875	6,750
13-02-2008	01:51:42	1146851,875	1,250	0,002	2,083	7,500
13-02-2008	02:01:42	1146853,000	1,125	0,002	1,875	6,750
13-02-2008	02:11:42	1146854,125	1,125	0,002	1,875	6,750
13-02-2008	02:21:42	1146855,125	1,000	0,002	1,667	6,000
13-02-2008	02:31:42	1146856,125	1,000	0,002	1,667	6,000
13-02-2008	02:41:42	1146857,125	1,000	0,002	1,667	6,000
13-02-2008	02:51:42	1146858,250	1,125	0,002	1,875	6,750
13-02-2008	03:01:42	1146859,375	1,125	0,002	1,875	6,750
13-02-2008	03:11:42	1146860,500	1,125	0,002	1,875	6,750
13-02-2008	03:21:42	1146861,500	1,000	0,002	1,667	6,000
13-02-2008	03:31:42	1146862,625	1,125	0,002	1,875	6,750
13-02-2008	03:41:42	1146863,625	1,000	0,002	1,667	6,000
13-02-2008	03:51:42	1146864,625	1,000	0,002	1,667	6,000
13-02-2008	04:01:42	1146865,625	1,000	0,002	1,667	6,000
13-02-2008	04:11:42	1146866,625	1,000	0,002	1,667	6,000
13-02-2008	04:21:42	1146867,625	1,000	0,002	1,667	6,000
13-02-2008	04:31:42	1146868,750	1,125	0,002	1,875	6,750
13-02-2008	04:41:43	1146869,750	1,000	0,002	1,667	6,000
13-02-2008	04:51:43	1146870,750	1,000	0,002	1,667	6,000
13-02-2008	05:01:43	1146871,875	1,125	0,002	1,875	6,750
13-02-2008	05:11:43	1146872,875	1,000	0,002	1,667	6,000
13-02-2008	05:21:43	1146874,000	1,125	0,002	1,875	6,750
13-02-2008	05:31:43	1146875,125	1,125	0,002	1,875	6,750
13-02-2008	05:41:43	1146876,250	1,125	0,002	1,875	6,750
13-02-2008	05:51:43	1146877,250	1,000	0,002	1,667	6,000
13-02-2008	06:01:43	1146878,500	1,250	0,002	2,083	7,500
13-02-2008	06:11:43	1146879,625	1,125	0,002	1,875	6,750
13-02-2008	06:21:43	1146881,000	1,375	0,002	2,292	8,250
13-02-2008	06:31:43	1146882,250	1,250	0,002	2,083	7,500
13-02-2008	06:41:43	1146883,750	1,500	0,003	2,500	9,000
13-02-2008	06:51:43	1146885,375	1,625	0,003	2,708	9,750
13-02-2008	07:01:43	1146887,375	2,000	0,003	3,333	12,000
13-02-2008	07:11:43	1146889,125	1,750	0,003	2,917	10,500
13-02-2008	07:21:43	1146891,500	2,375	0,004	3,958	14,250
13-02-2008	07:31:43	1146894,375	2,875	0,005	4,792	17,250
13-02-2008	07:41:43	1146897,500	3,125	0,005	5,208	18,750
13-02-2008	07:51:43	1146900,750	3,250	0,005	5,417	19,500
13-02-2008	08:01:43	1146903,375	2,625	0,004	4,375	15,750

13-02-2008	08:11:43	1146906,000	2,625	0,004	4,375	15,750
13-02-2008	08:21:43	1146908,625	2,625	0,004	4,375	15,750
13-02-2008	08:31:43	1146911,375	2,750	0,005	4,583	16,500
13-02-2008	08:41:43	1146914,125	2,750	0,005	4,583	16,500
13-02-2008	08:51:44	1146916,875	2,750	0,005	4,583	16,500
13-02-2008	09:01:44	1146920,000	3,125	0,005	5,208	18,750
13-02-2008	09:11:44	1146923,250	3,250	0,005	5,417	19,500
13-02-2008	09:21:44	1146926,250	3,000	0,005	5,000	18,000
13-02-2008	09:31:44	1146928,500	2,250	0,004	3,750	13,500
13-02-2008	09:41:44	1146931,750	3,250	0,005	5,417	19,500
13-02-2008	09:51:44	1146935,000	3,250	0,005	5,417	19,500
13-02-2008	10:01:44	1146937,750	2,750	0,005	4,583	16,500
13-02-2008	10:11:44	1146940,125	2,375	0,004	3,958	14,250
13-02-2008	10:21:44	1146942,625	2,500	0,004	4,167	15,000
13-02-2008	10:31:44	1146945,500	2,875	0,005	4,792	17,250
13-02-2008	10:41:44	1146948,250	2,750	0,005	4,583	16,500
13-02-2008	10:51:44	1146951,125	2,875	0,005	4,792	17,250
13-02-2008	11:01:44	1146953,750	2,625	0,004	4,375	15,750
13-02-2008	11:11:44	1146956,875	3,125	0,005	5,208	18,750
13-02-2008	11:21:44	1146959,250	2,375	0,004	3,958	14,250
13-02-2008	11:31:44	1146961,875	2,625	0,004	4,375	15,750
13-02-2008	11:41:44	1146964,500	2,625	0,004	4,375	15,750
13-02-2008	11:51:44	1146966,875	2,375	0,004	3,958	14,250
13-02-2008	12:01:44	1146969,625	2,750	0,005	4,583	16,500
13-02-2008	12:11:44	1146972,000	2,375	0,004	3,958	14,250
13-02-2008	12:22:04	1146974,750	2,750	0,005	4,583	16,500
13-02-2008	12:32:49	1146977,750	3,000	0,005	5,000	18,000
13-02-2008	12:42:49	1146980,000	2,250	0,004	3,750	13,500
13-02-2008	12:52:49	1146982,875	2,875	0,005	4,792	17,250
13-02-2008	13:02:49	1146985,625	2,750	0,005	4,583	16,500
13-02-2008	13:12:49	1146988,125	2,500	0,004	4,167	15,000
13-02-2008	13:22:49	1146990,625	2,500	0,004	4,167	15,000
13-02-2008	13:32:49	1146992,875	2,250	0,004	3,750	13,500
13-02-2008	13:42:49	1146995,750	2,875	0,005	4,792	17,250
13-02-2008	13:52:49	1146998,000	2,250	0,004	3,750	13,500
13-02-2008	14:02:49	1146999,875	1,875	0,003	3,125	11,250
13-02-2008	14:12:49	1147001,750	1,875	0,003	3,125	11,250
13-02-2008	14:22:49	1147003,500	1,750	0,003	2,917	10,500
13-02-2008	14:32:49	1147005,000	1,500	0,003	2,500	9,000
13-02-2008	14:42:49	1147006,625	1,625	0,003	2,708	9,750
13-02-2008	14:52:49	1147008,625	2,000	0,003	3,333	12,000
13-02-2008	15:02:49	1147010,500	1,875	0,003	3,125	11,250
13-02-2008	15:12:49	1147012,125	1,625	0,003	2,708	9,750
13-02-2008	15:22:49	1147013,500	1,375	0,002	2,292	8,250
13-02-2008	15:32:50	1147015,375	1,875	0,003	3,125	11,250
13-02-2008	15:42:50	1147017,125	1,750	0,003	2,917	10,500
13-02-2008	15:52:50	1147019,250	2,125	0,004	3,542	12,750
13-02-2008	16:02:50	1147021,000	1,750	0,003	2,917	10,500
13-02-2008	16:12:50	1147023,000	2,000	0,003	3,333	12,000
13-02-2008	16:22:50	1147024,750	1,750	0,003	2,917	10,500
13-02-2008	16:32:50	1147026,000	1,250	0,002	2,083	7,500
13-02-2008	16:42:50	1147027,250	1,250	0,002	2,083	7,500
13-02-2008	16:52:50	1147028,750	1,500	0,003	2,500	9,000
13-02-2008	17:02:50	1147030,125	1,375	0,002	2,292	8,250
13-02-2008	17:12:50	1147032,375	2,250	0,004	3,750	13,500

13-02-2008	17:22:50	1147034,625	2,250	0,004	3,750	13,500
13-02-2008	17:32:50	1147037,000	2,375	0,004	3,958	14,250
13-02-2008	17:42:50	1147038,750	1,750	0,003	2,917	10,500
13-02-2008	17:52:50	1147041,375	2,625	0,004	4,375	15,750
13-02-2008	18:02:50	1147043,500	2,125	0,004	3,542	12,750
13-02-2008	18:12:50	1147045,875	2,375	0,004	3,958	14,250
13-02-2008	18:22:50	1147048,125	2,250	0,004	3,750	13,500
13-02-2008	18:32:50	1147050,625	2,500	0,004	4,167	15,000
13-02-2008	18:42:50	1147053,250	2,625	0,004	4,375	15,750
13-02-2008	18:52:50	1147055,375	2,125	0,004	3,542	12,750
13-02-2008	19:02:50	1147057,875	2,500	0,004	4,167	15,000
13-02-2008	19:12:50	1147060,375	2,500	0,004	4,167	15,000
13-02-2008	19:22:50	1147062,875	2,500	0,004	4,167	15,000
13-02-2008	19:32:50	1147065,500	2,625	0,004	4,375	15,750
13-02-2008	19:42:50	1147068,500	3,000	0,005	5,000	18,000
13-02-2008	19:52:50	1147070,750	2,250	0,004	3,750	13,500
13-02-2008	20:02:50	1147072,750	2,000	0,003	3,333	12,000
13-02-2008	20:12:50	1147075,375	2,625	0,004	4,375	15,750
13-02-2008	20:22:50	1147078,000	2,625	0,004	4,375	15,750
13-02-2008	20:32:50	1147081,000	3,000	0,005	5,000	18,000
13-02-2008	20:42:50	1147083,625	2,625	0,004	4,375	15,750
13-02-2008	20:52:50	1147086,500	2,875	0,005	4,792	17,250
13-02-2008	21:02:50	1147088,875	2,375	0,004	3,958	14,250
13-02-2008	21:12:50	1147091,625	2,750	0,005	4,583	16,500
13-02-2008	21:22:51	1147094,625	3,000	0,005	5,000	18,000
13-02-2008	21:32:51	1147097,375	2,750	0,005	4,583	16,500
13-02-2008	21:42:51	1147100,000	2,625	0,004	4,375	15,750
13-02-2008	21:52:51	1147102,625	2,625	0,004	4,375	15,750
13-02-2008	22:02:51	1147104,875	2,250	0,004	3,750	13,500
13-02-2008	22:12:51	1147107,250	2,375	0,004	3,958	14,250
13-02-2008	22:22:51	1147109,375	2,125	0,004	3,542	12,750
13-02-2008	22:32:51	1147111,750	2,375	0,004	3,958	14,250
13-02-2008	22:42:51	1147114,500	2,750	0,005	4,583	16,500
13-02-2008	22:52:51	1147116,500	2,000	0,003	3,333	12,000
13-02-2008	23:02:51	1147118,125	1,625	0,003	2,708	9,750
13-02-2008	23:12:51	1147120,125	2,000	0,003	3,333	12,000
13-02-2008	23:22:51	1147122,125	2,000	0,003	3,333	12,000
13-02-2008	23:32:51	1147123,750	1,625	0,003	2,708	9,750
13-02-2008	23:42:51	1147125,500	1,750	0,003	2,917	10,500
13-02-2008	23:52:51	1147127,375	1,875	0,003	3,125	11,250
14-02-2008	00:00:13	1147128,625	1,250	0,003	2,976	10,714

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:13	1147128,625				
14-02-2008	00:02:51	1147129,125	0,500	0,003	3,125	11,250
14-02-2008	00:12:51	1147131,000	1,875	0,003	3,125	11,250
14-02-2008	00:22:51	1147132,875	1,875	0,003	3,125	11,250
14-02-2008	00:32:51	1147134,375	1,500	0,003	2,500	9,000
14-02-2008	00:42:51	1147135,875	1,500	0,003	2,500	9,000
14-02-2008	00:52:51	1147137,125	1,250	0,002	2,083	7,500
14-02-2008	01:02:51	1147138,375	1,250	0,002	2,083	7,500
14-02-2008	01:12:51	1147139,375	1,000	0,002	1,667	6,000
14-02-2008	01:22:51	1147140,500	1,125	0,002	1,875	6,750
14-02-2008	01:32:53	1147141,500	1,000	0,002	1,667	6,000
14-02-2008	01:42:53	1147142,500	1,000	0,002	1,667	6,000
14-02-2008	01:52:53	1147143,250	0,750	0,001	1,250	4,500
14-02-2008	02:02:53	1147144,125	0,875	0,001	1,458	5,250
14-02-2008	02:12:53	1147145,000	0,875	0,001	1,458	5,250
14-02-2008	02:22:53	1147145,750	0,750	0,001	1,250	4,500
14-02-2008	02:32:53	1147146,625	0,875	0,001	1,458	5,250
14-02-2008	02:42:53	1147147,375	0,750	0,001	1,250	4,500
14-02-2008	02:52:53	1147148,250	0,875	0,001	1,458	5,250
14-02-2008	03:02:53	1147149,125	0,875	0,001	1,458	5,250
14-02-2008	03:12:53	1147150,000	0,875	0,001	1,458	5,250
14-02-2008	03:22:54	1147150,875	0,875	0,001	1,458	5,250
14-02-2008	03:32:54	1147151,750	0,875	0,001	1,458	5,250
14-02-2008	03:42:54	1147152,500	0,750	0,001	1,250	4,500
14-02-2008	03:52:54	1147153,250	0,750	0,001	1,250	4,500
14-02-2008	04:02:54	1147154,125	0,875	0,001	1,458	5,250
14-02-2008	04:12:54	1147154,875	0,750	0,001	1,250	4,500
14-02-2008	04:22:54	1147155,625	0,750	0,001	1,250	4,500
14-02-2008	04:32:54	1147156,500	0,875	0,001	1,458	5,250
14-02-2008	04:42:54	1147157,250	0,750	0,001	1,250	4,500
14-02-2008	04:52:54	1147158,000	0,750	0,001	1,250	4,500
14-02-2008	05:02:54	1147158,875	0,875	0,001	1,458	5,250
14-02-2008	05:12:54	1147159,750	0,875	0,001	1,458	5,250
14-02-2008	05:22:55	1147160,500	0,750	0,001	1,250	4,500
14-02-2008	05:32:55	1147161,375	0,875	0,001	1,458	5,250
14-02-2008	05:42:55	1147162,125	0,750	0,001	1,250	4,500
14-02-2008	05:52:55	1147163,125	1,000	0,002	1,667	6,000
14-02-2008	06:02:55	1147164,250	1,125	0,002	1,875	6,750
14-02-2008	06:12:55	1147165,250	1,000	0,002	1,667	6,000
14-02-2008	06:22:55	1147166,125	0,875	0,001	1,458	5,250
14-02-2008	06:32:55	1147167,375	1,250	0,002	2,083	7,500
14-02-2008	06:42:55	1147168,750	1,375	0,002	2,292	8,250
14-02-2008	06:52:55	1147170,125	1,375	0,002	2,292	8,250
14-02-2008	07:02:55	1147171,750	1,625	0,003	2,708	9,750
14-02-2008	07:12:55	1147173,750	2,000	0,003	3,333	12,000
14-02-2008	07:22:55	1147176,375	2,625	0,004	4,375	15,750
14-02-2008	07:32:56	1147179,375	3,000	0,005	5,000	18,000
14-02-2008	07:42:56	1147182,000	2,625	0,004	4,375	15,750
14-02-2008	07:52:56	1147185,000	3,000	0,005	5,000	18,000

14-02-2008	08:02:56	1147187,375	2,375	0,004	3,958	14,250
14-02-2008	08:12:56	1147189,625	2,250	0,004	3,750	13,500
14-02-2008	08:22:56	1147191,750	2,125	0,004	3,542	12,750
14-02-2008	08:32:56	1147194,125	2,375	0,004	3,958	14,250
14-02-2008	08:42:56	1147197,000	2,875	0,005	4,792	17,250
14-02-2008	08:52:56	1147200,500	3,500	0,006	5,833	21,000
14-02-2008	09:02:56	1147203,875	3,375	0,006	5,625	20,250
14-02-2008	09:12:56	1147206,750	2,875	0,005	4,792	17,250
14-02-2008	09:22:56	1147209,750	3,000	0,005	5,000	18,000
14-02-2008	09:32:56	1147212,750	3,000	0,005	5,000	18,000
14-02-2008	09:42:56	1147216,000	3,250	0,005	5,417	19,500
14-02-2008	09:52:56	1147219,500	3,500	0,006	5,833	21,000
14-02-2008	10:02:56	1147222,625	3,125	0,005	5,208	18,750
14-02-2008	10:12:56	1147225,875	3,250	0,005	5,417	19,500
14-02-2008	10:22:56	1147228,750	2,875	0,005	4,792	17,250
14-02-2008	10:32:56	1147231,500	2,750	0,005	4,583	16,500
14-02-2008	10:42:56	1147234,500	3,000	0,005	5,000	18,000
14-02-2008	10:52:56	1147237,250	2,750	0,005	4,583	16,500
14-02-2008	11:02:56	1147240,375	3,125	0,005	5,208	18,750
14-02-2008	11:12:56	1147243,875	3,500	0,006	5,833	21,000
14-02-2008	11:22:56	1147246,750	2,875	0,005	4,792	17,250
14-02-2008	11:32:56	1147249,625	2,875	0,005	4,792	17,250
14-02-2008	11:42:56	1147253,250	3,625	0,006	6,042	21,750
14-02-2008	11:52:56	1147256,000	2,750	0,005	4,583	16,500
14-02-2008	12:02:56	1147259,000	3,000	0,005	5,000	18,000
14-02-2008	12:12:56	1147261,625	2,625	0,004	4,375	15,750
14-02-2008	12:22:56	1147264,500	2,875	0,005	4,792	17,250
14-02-2008	12:32:56	1147267,375	2,875	0,005	4,792	17,250
14-02-2008	12:42:56	1147270,000	2,625	0,004	4,375	15,750
14-02-2008	12:52:57	1147272,500	2,500	0,004	4,167	15,000
14-02-2008	13:02:57	1147275,125	2,625	0,004	4,375	15,750
14-02-2008	13:12:57	1147277,500	2,375	0,004	3,958	14,250
14-02-2008	13:22:57	1147279,500	2,000	0,003	3,333	12,000
14-02-2008	13:32:57	1147281,875	2,375	0,004	3,958	14,250
14-02-2008	13:42:57	1147285,250	3,375	0,006	5,625	20,250
14-02-2008	13:52:57	1147288,750	3,500	0,006	5,833	21,000
14-02-2008	14:02:57	1147292,125	3,375	0,006	5,625	20,250
14-02-2008	14:12:57	1147295,875	3,750	0,006	6,250	22,500
14-02-2008	14:22:57	1147299,625	3,750	0,006	6,250	22,500
14-02-2008	14:32:57	1147303,125	3,500	0,006	5,833	21,000
14-02-2008	14:42:57	1147306,625	3,500	0,006	5,833	21,000
14-02-2008	14:52:57	1147309,500	2,875	0,005	4,792	17,250
14-02-2008	15:02:57	1147312,250	2,750	0,005	4,583	16,500
14-02-2008	15:12:57	1147315,375	3,125	0,005	5,208	18,750
14-02-2008	15:22:57	1147318,500	3,125	0,005	5,208	18,750
14-02-2008	15:32:57	1147321,750	3,250	0,005	5,417	19,500
14-02-2008	15:42:57	1147324,625	2,875	0,005	4,792	17,250
14-02-2008	15:52:57	1147327,500	2,875	0,005	4,792	17,250
14-02-2008	16:02:57	1147330,000	2,500	0,004	4,167	15,000
14-02-2008	16:12:57	1147331,875	1,875	0,003	3,125	11,250
14-02-2008	16:22:57	1147334,000	2,125	0,004	3,542	12,750
14-02-2008	16:32:57	1147335,625	1,625	0,003	2,708	9,750
14-02-2008	16:42:57	1147337,375	1,750	0,003	2,917	10,500
14-02-2008	16:52:57	1147338,750	1,375	0,002	2,292	8,250
14-02-2008	17:02:57	1147340,125	1,375	0,002	2,292	8,250

14-02-2008	17:12:57	1147341,875	1,750	0,003	2,917	10,500
14-02-2008	17:22:57	1147344,000	2,125	0,004	3,542	12,750
14-02-2008	17:32:57	1147346,375	2,375	0,004	3,958	14,250
14-02-2008	17:42:57	1147348,875	2,500	0,004	4,167	15,000
14-02-2008	17:52:57	1147351,375	2,500	0,004	4,167	15,000
14-02-2008	18:02:57	1147354,125	2,750	0,005	4,583	16,500
14-02-2008	18:12:57	1147357,500	3,375	0,006	5,625	20,250
14-02-2008	18:22:57	1147360,125	2,625	0,004	4,375	15,750
14-02-2008	18:32:57	1147362,250	2,125	0,004	3,542	12,750
14-02-2008	18:42:58	1147365,000	2,750	0,005	4,583	16,500
14-02-2008	18:52:58	1147367,875	2,875	0,005	4,792	17,250
14-02-2008	19:02:58	1147370,500	2,625	0,004	4,375	15,750
14-02-2008	19:12:58	1147373,250	2,750	0,005	4,583	16,500
14-02-2008	19:22:58	1147375,875	2,625	0,004	4,375	15,750
14-02-2008	19:32:58	1147378,375	2,500	0,004	4,167	15,000
14-02-2008	19:42:58	1147380,750	2,375	0,004	3,958	14,250
14-02-2008	19:52:58	1147383,000	2,250	0,004	3,750	13,500
14-02-2008	20:02:58	1147385,750	2,750	0,005	4,583	16,500
14-02-2008	20:12:58	1147388,625	2,875	0,005	4,792	17,250
14-02-2008	20:22:58	1147391,625	3,000	0,005	5,000	18,000
14-02-2008	20:32:58	1147394,875	3,250	0,005	5,417	19,500
14-02-2008	20:42:58	1147397,625	2,750	0,005	4,583	16,500
14-02-2008	20:52:58	1147400,250	2,625	0,004	4,375	15,750
14-02-2008	21:02:58	1147403,000	2,750	0,005	4,583	16,500
14-02-2008	21:12:58	1147405,375	2,375	0,004	3,958	14,250
14-02-2008	21:22:58	1147407,750	2,375	0,004	3,958	14,250
14-02-2008	21:32:58	1147410,875	3,125	0,005	5,208	18,750
14-02-2008	21:42:58	1147413,875	3,000	0,005	5,000	18,000
14-02-2008	21:52:58	1147416,625	2,750	0,005	4,583	16,500
14-02-2008	22:02:58	1147419,250	2,625	0,004	4,375	15,750
14-02-2008	22:12:58	1147422,000	2,750	0,005	4,583	16,500
14-02-2008	22:22:58	1147424,375	2,375	0,004	3,958	14,250
14-02-2008	22:32:58	1147426,750	2,375	0,004	3,958	14,250
14-02-2008	22:42:58	1147428,750	2,000	0,003	3,333	12,000
14-02-2008	22:52:58	1147430,875	2,125	0,004	3,542	12,750
14-02-2008	23:02:58	1147432,625	1,750	0,003	2,917	10,500
14-02-2008	23:12:58	1147434,875	2,250	0,004	3,750	13,500
14-02-2008	23:22:58	1147436,625	1,750	0,003	2,917	10,500
14-02-2008	23:32:58	1147438,000	1,375	0,002	2,292	8,250
14-02-2008	23:42:58	1147439,750	1,750	0,003	2,917	10,500
14-02-2008	23:52:58	1147441,375	1,625	0,003	2,708	9,750
15-02-2008	00:00:03	1147442,375	1,000	0,002	2,381	8,571

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
15-02-2008	00:00:03	1147442,375				
15-02-2008	00:02:59	1147442,750	0,375	0,002	2,083	7,500
15-02-2008	00:12:59	1147443,875	1,125	0,002	1,875	6,750
15-02-2008	00:22:59	1147445,000	1,125	0,002	1,875	6,750
15-02-2008	00:32:59	1147446,000	1,000	0,002	1,667	6,000
15-02-2008	00:42:59	1147447,000	1,000	0,002	1,667	6,000
15-02-2008	00:52:59	1147448,125	1,125	0,002	1,875	6,750
15-02-2008	01:02:59	1147449,125	1,000	0,002	1,667	6,000
15-02-2008	01:12:59	1147450,000	0,875	0,001	1,458	5,250
15-02-2008	01:22:59	1147450,750	0,750	0,001	1,250	4,500
15-02-2008	01:32:59	1147451,500	0,750	0,001	1,250	4,500
15-02-2008	01:42:59	1147452,000	0,500	0,001	0,833	3,000
15-02-2008	01:52:59	1147452,625	0,625	0,001	1,042	3,750
15-02-2008	02:02:59	1147453,250	0,625	0,001	1,042	3,750
15-02-2008	02:12:59	1147453,875	0,625	0,001	1,042	3,750
15-02-2008	02:22:59	1147454,375	0,500	0,001	0,833	3,000
15-02-2008	02:32:59	1147455,000	0,625	0,001	1,042	3,750
15-02-2008	02:42:59	1147455,375	0,375	0,001	0,625	2,250
15-02-2008	02:52:59	1147456,000	0,625	0,001	1,042	3,750
15-02-2008	03:02:59	1147456,375	0,375	0,001	0,625	2,250
15-02-2008	03:12:59	1147456,875	0,500	0,001	0,833	3,000
15-02-2008	03:22:59	1147457,250	0,375	0,001	0,625	2,250
15-02-2008	03:32:59	1147457,250	0,000	0,000	0,000	0,000
15-02-2008	03:42:59	1147457,750	0,500	0,001	0,833	3,000
15-02-2008	03:53:00	1147458,000	0,250	0,000	0,417	1,500
15-02-2008	04:03:00	1147458,375	0,375	0,001	0,625	2,250
15-02-2008	04:13:00	1147458,750	0,375	0,001	0,625	2,250
15-02-2008	04:23:00	1147459,125	0,375	0,001	0,625	2,250
15-02-2008	04:33:00	1147459,500	0,375	0,001	0,625	2,250
15-02-2008	04:43:00	1147460,000	0,500	0,001	0,833	3,000
15-02-2008	04:53:00	1147460,625	0,625	0,001	1,042	3,750
15-02-2008	05:03:00	1147460,875	0,250	0,000	0,417	1,500
15-02-2008	05:13:00	1147461,375	0,500	0,001	0,833	3,000
15-02-2008	05:23:00	1147462,000	0,625	0,001	1,042	3,750
15-02-2008	05:33:00	1147462,375	0,375	0,001	0,625	2,250
15-02-2008	05:43:00	1147462,875	0,500	0,001	0,833	3,000
15-02-2008	05:53:00	1147463,375	0,500	0,001	0,833	3,000
15-02-2008	06:03:00	1147463,875	0,500	0,001	0,833	3,000
15-02-2008	06:13:00	1147464,750	0,875	0,001	1,458	5,250
15-02-2008	06:23:00	1147465,500	0,750	0,001	1,250	4,500
15-02-2008	06:33:00	1147466,375	0,875	0,001	1,458	5,250
15-02-2008	06:43:00	1147467,375	1,000	0,002	1,667	6,000
15-02-2008	06:53:00	1147468,875	1,500	0,003	2,500	9,000
15-02-2008	07:03:00	1147470,500	1,625	0,003	2,708	9,750
15-02-2008	07:13:00	1147472,375	1,875	0,003	3,125	11,250
15-02-2008	07:23:00	1147474,750	2,375	0,004	3,958	14,250
15-02-2008	07:33:00	1147477,625	2,875	0,005	4,792	17,250
15-02-2008	07:43:00	1147480,625	3,000	0,005	5,000	18,000
15-02-2008	07:53:01	1147483,625	3,000	0,005	5,000	18,000

15-02-2008	08:03:01	1147485,875	2,250	0,004	3,750	13,500
15-02-2008	08:13:01	1147488,000	2,125	0,004	3,542	12,750
15-02-2008	08:23:01	1147490,375	2,375	0,004	3,958	14,250
15-02-2008	08:33:01	1147492,750	2,375	0,004	3,958	14,250
15-02-2008	08:43:01	1147494,875	2,125	0,004	3,542	12,750
15-02-2008	08:53:01	1147497,250	2,375	0,004	3,958	14,250
15-02-2008	09:03:01	1147500,125	2,875	0,005	4,792	17,250
15-02-2008	09:13:01	1147502,625	2,500	0,004	4,167	15,000
15-02-2008	09:23:01	1147505,000	2,375	0,004	3,958	14,250
15-02-2008	09:33:01	1147507,125	2,125	0,004	3,542	12,750
15-02-2008	09:43:01	1147509,125	2,000	0,003	3,333	12,000
15-02-2008	09:53:01	1147511,625	2,500	0,004	4,167	15,000
15-02-2008	10:03:01	1147513,750	2,125	0,004	3,542	12,750
15-02-2008	10:13:01	1147516,500	2,750	0,005	4,583	16,500
15-02-2008	10:23:01	1147518,875	2,375	0,004	3,958	14,250
15-02-2008	10:33:01	1147521,125	2,250	0,004	3,750	13,500
15-02-2008	10:43:01	1147523,500	2,375	0,004	3,958	14,250
15-02-2008	10:53:01	1147526,375	2,875	0,005	4,792	17,250
15-02-2008	11:03:01	1147529,500	3,125	0,005	5,208	18,750
15-02-2008	11:13:01	1147532,125	2,625	0,004	4,375	15,750
15-02-2008	11:23:01	1147534,500	2,375	0,004	3,958	14,250
15-02-2008	11:33:01	1147537,125	2,625	0,004	4,375	15,750
15-02-2008	11:43:01	1147539,750	2,625	0,004	4,375	15,750
15-02-2008	11:53:01	1147542,500	2,750	0,005	4,583	16,500
15-02-2008	12:03:01	1147545,250	2,750	0,005	4,583	16,500
15-02-2008	12:13:01	1147548,125	2,875	0,005	4,792	17,250
15-02-2008	12:23:01	1147551,000	2,875	0,005	4,792	17,250
15-02-2008	12:33:01	1147554,500	3,500	0,006	5,833	21,000
15-02-2008	12:43:01	1147557,625	3,125	0,005	5,208	18,750
15-02-2008	12:53:01	1147560,375	2,750	0,005	4,583	16,500
15-02-2008	13:03:01	1147563,750	3,375	0,006	5,625	20,250
15-02-2008	13:13:01	1147567,250	3,500	0,006	5,833	21,000
15-02-2008	13:23:02	1147570,375	3,125	0,005	5,208	18,750
15-02-2008	13:33:02	1147573,625	3,250	0,005	5,417	19,500
15-02-2008	13:43:02	1147576,625	3,000	0,005	5,000	18,000
15-02-2008	13:53:02	1147579,500	2,875	0,005	4,792	17,250
15-02-2008	14:03:02	1147582,500	3,000	0,005	5,000	18,000
15-02-2008	14:13:02	1147585,875	3,375	0,006	5,625	20,250
15-02-2008	14:23:02	1147588,625	2,750	0,005	4,583	16,500
15-02-2008	14:33:02	1147591,125	2,500	0,004	4,167	15,000
15-02-2008	14:43:02	1147594,250	3,125	0,005	5,208	18,750
15-02-2008	14:53:02	1147597,500	3,250	0,005	5,417	19,500
15-02-2008	15:03:02	1147600,875	3,375	0,006	5,625	20,250
15-02-2008	15:13:02	1147604,250	3,375	0,006	5,625	20,250
15-02-2008	15:23:02	1147607,375	3,125	0,005	5,208	18,750
15-02-2008	15:33:02	1147610,875	3,500	0,006	5,833	21,000
15-02-2008	15:43:02	1147614,375	3,500	0,006	5,833	21,000
15-02-2008	15:53:02	1147617,750	3,375	0,006	5,625	20,250
15-02-2008	16:03:02	1147620,625	2,875	0,005	4,792	17,250
15-02-2008	16:13:02	1147623,125	2,500	0,004	4,167	15,000
15-02-2008	16:23:02	1147626,125	3,000	0,005	5,000	18,000
15-02-2008	16:33:02	1147628,625	2,500	0,004	4,167	15,000
15-02-2008	16:43:02	1147630,875	2,250	0,004	3,750	13,500
15-02-2008	16:53:02	1147633,750	2,875	0,005	4,792	17,250
15-02-2008	17:03:02	1147636,000	2,250	0,004	3,750	13,500

15-02-2008	17:13:02	1147638,500	2,500	0,004	4,167	15,000
15-02-2008	17:23:02	1147641,750	3,250	0,005	5,417	19,500
15-02-2008	17:33:02	1147644,500	2,750	0,005	4,583	16,500
15-02-2008	17:43:02	1147647,500	3,000	0,005	5,000	18,000
15-02-2008	17:53:02	1147650,125	2,625	0,004	4,375	15,750
15-02-2008	18:03:02	1147652,500	2,375	0,004	3,958	14,250
15-02-2008	18:13:02	1147655,000	2,500	0,004	4,167	15,000
15-02-2008	18:23:02	1147657,750	2,750	0,005	4,583	16,500
15-02-2008	18:33:02	1147660,625	2,875	0,005	4,792	17,250
15-02-2008	18:43:02	1147663,625	3,000	0,005	5,000	18,000
15-02-2008	18:53:02	1147666,375	2,750	0,005	4,583	16,500
15-02-2008	19:03:02	1147669,125	2,750	0,005	4,583	16,500
15-02-2008	19:13:02	1147672,250	3,125	0,005	5,208	18,750
15-02-2008	19:23:02	1147674,875	2,625	0,004	4,375	15,750
15-02-2008	19:33:02	1147677,625	2,750	0,005	4,583	16,500
15-02-2008	19:43:02	1147680,500	2,875	0,005	4,792	17,250
15-02-2008	19:53:02	1147683,000	2,500	0,004	4,167	15,000
15-02-2008	20:03:03	1147685,625	2,625	0,004	4,375	15,750
15-02-2008	20:13:03	1147688,750	3,125	0,005	5,208	18,750
15-02-2008	20:23:03	1147691,750	3,000	0,005	5,000	18,000
15-02-2008	20:33:03	1147695,000	3,250	0,005	5,417	19,500
15-02-2008	20:43:03	1147697,625	2,625	0,004	4,375	15,750
15-02-2008	20:53:03	1147700,500	2,875	0,005	4,792	17,250
15-02-2008	21:03:03	1147703,625	3,125	0,005	5,208	18,750
15-02-2008	21:13:03	1147706,375	2,750	0,005	4,583	16,500
15-02-2008	21:23:03	1147709,000	2,625	0,004	4,375	15,750
15-02-2008	21:33:03	1147712,000	3,000	0,005	5,000	18,000
15-02-2008	21:43:03	1147714,500	2,500	0,004	4,167	15,000
15-02-2008	21:53:03	1147716,750	2,250	0,004	3,750	13,500
15-02-2008	22:03:03	1147719,000	2,250	0,004	3,750	13,500
15-02-2008	22:13:03	1147721,500	2,500	0,004	4,167	15,000
15-02-2008	22:23:03	1147723,625	2,125	0,004	3,542	12,750
15-02-2008	22:33:03	1147725,750	2,125	0,004	3,542	12,750
15-02-2008	22:43:03	1147728,250	2,500	0,004	4,167	15,000
15-02-2008	22:53:03	1147730,750	2,500	0,004	4,167	15,000
15-02-2008	23:03:03	1147733,000	2,250	0,004	3,750	13,500
15-02-2008	23:13:03	1147735,375	2,375	0,004	3,958	14,250
15-02-2008	23:23:03	1147737,000	1,625	0,003	2,708	9,750
15-02-2008	23:33:03	1147738,875	1,875	0,003	3,125	11,250
15-02-2008	23:43:03	1147740,875	2,000	0,003	3,333	12,000
15-02-2008	23:53:03	1147742,750	1,875	0,003	3,125	11,250
16-02-2008	00:00:25	1147744,375	1,625	0,004	3,693	13,295

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
16-02-2008	00:00:25	1147744,375				
16-02-2008	00:03:03	1147744,875	0,5	0,002777778	2,777777778	10
16-02-2008	00:13:03	1147746,625	1,75	0,002916667	2,916666667	10,5
16-02-2008	00:23:03	1147748,75	2,125	0,003541667	3,541666667	12,75
16-02-2008	00:33:03	1147750,5	1,75	0,002916667	2,916666667	10,5
16-02-2008	00:43:03	1147752,25	1,75	0,002916667	2,916666667	10,5
16-02-2008	00:53:03	1147753,75	1,5	0,0025	2,5	9
16-02-2008	01:03:03	1147755,125	1,375	0,002291667	2,291666667	8,25
16-02-2008	01:13:03	1147756,25	1,125	0,001875	1,875	6,75
16-02-2008	01:23:04	1147757,5	1,25	0,002083333	2,083333333	7,5
16-02-2008	01:33:04	1147758,625	1,125	0,001875	1,875	6,75
16-02-2008	01:43:04	1147759,625	1	0,001666667	1,666666667	6
16-02-2008	01:53:04	1147760,75	1,125	0,001875	1,875	6,75
16-02-2008	02:03:04	1147761,75	1	0,001666667	1,666666667	6
16-02-2008	02:13:04	1147762,75	1	0,001666667	1,666666667	6
16-02-2008	02:23:04	1147763,625	0,875	0,001458333	1,458333333	5,25
16-02-2008	02:33:04	1147764,5	0,875	0,001458333	1,458333333	5,25
16-02-2008	02:43:04	1147765,375	0,875	0,001458333	1,458333333	5,25
16-02-2008	02:53:04	1147766,25	0,875	0,001458333	1,458333333	5,25
16-02-2008	03:03:04	1147767,125	0,875	0,001458333	1,458333333	5,25
16-02-2008	03:13:04	1147768,125	1	0,001666667	1,666666667	6
16-02-2008	03:23:04	1147769	0,875	0,001458333	1,458333333	5,25
16-02-2008	03:33:04	1147769,875	0,875	0,001458333	1,458333333	5,25
16-02-2008	03:43:04	1147770,75	0,875	0,001458333	1,458333333	5,25
16-02-2008	03:53:04	1147771,625	0,875	0,001458333	1,458333333	5,25
16-02-2008	04:03:04	1147772,5	0,875	0,001458333	1,458333333	5,25
16-02-2008	04:13:04	1147773,375	0,875	0,001458333	1,458333333	5,25
16-02-2008	04:23:04	1147774,25	0,875	0,001458333	1,458333333	5,25
16-02-2008	04:33:04	1147775,125	0,875	0,001458333	1,458333333	5,25
16-02-2008	04:43:04	1147776	0,875	0,001458333	1,458333333	5,25
16-02-2008	04:53:04	1147776,875	0,875	0,001458333	1,458333333	5,25
16-02-2008	05:03:04	1147777,75	0,875	0,001458333	1,458333333	5,25
16-02-2008	05:13:04	1147778,625	0,875	0,001458333	1,458333333	5,25
16-02-2008	05:23:04	1147779,625	1	0,001666667	1,666666667	6
16-02-2008	05:33:05	1147780,375	0,75	0,00125	1,25	4,5
16-02-2008	05:43:05	1147781,25	0,875	0,001458333	1,458333333	5,25
16-02-2008	05:53:05	1147782,25	1	0,001666667	1,666666667	6
16-02-2008	06:03:05	1147783,125	0,875	0,001458333	1,458333333	5,25
16-02-2008	06:13:05	1147784	0,875	0,001458333	1,458333333	5,25
16-02-2008	06:23:05	1147785,125	1,125	0,001875	1,875	6,75
16-02-2008	06:33:05	1147786,125	1	0,001666667	1,666666667	6
16-02-2008	06:43:05	1147787,125	1	0,001666667	1,666666667	6
16-02-2008	06:53:05	1147788,125	1	0,001666667	1,666666667	6
16-02-2008	07:03:05	1147789,375	1,25	0,002083333	2,083333333	7,5
16-02-2008	07:13:05	1147790,75	1,375	0,002291667	2,291666667	8,25
16-02-2008	07:23:05	1147792,75	2	0,003333333	3,333333333	12
16-02-2008	07:33:05	1147794,75	2	0,003333333	3,333333333	12
16-02-2008	07:43:05	1147796,375	1,625	0,002708333	2,708333333	9,75
16-02-2008	07:53:05	1147798,5	2,125	0,003541667	3,541666667	12,75

16-02-2008	08:03:05	1147800,25	1,75	0,002916667	2,916666667	10,5
16-02-2008	08:13:05	1147802,25	2	0,003333333	3,333333333	12
16-02-2008	08:23:05	1147804,625	2,375	0,003958333	3,958333333	14,25
16-02-2008	08:33:05	1147807,75	3,125	0,005208333	5,208333333	18,75
16-02-2008	08:43:05	1147810,875	3,125	0,005208333	5,208333333	18,75
16-02-2008	08:53:05	1147814	3,125	0,005208333	5,208333333	18,75
16-02-2008	09:03:05	1147817,125	3,125	0,005208333	5,208333333	18,75
16-02-2008	09:13:05	1147820,375	3,25	0,005416667	5,416666667	19,5
16-02-2008	09:23:05	1147823,25	2,875	0,004791667	4,791666667	17,25
16-02-2008	09:33:05	1147826,375	3,125	0,005208333	5,208333333	18,75
16-02-2008	09:43:05	1147829,875	3,5	0,005833333	5,833333333	21
16-02-2008	09:53:05	1147834,125	4,25	0,007083333	7,083333333	25,5
16-02-2008	10:03:05	1147837,625	3,5	0,005833333	5,833333333	21
16-02-2008	10:13:05	1147841,625	4	0,006666667	6,666666667	24
16-02-2008	10:23:05	1147845,75	4,125	0,006875	6,875	24,75
16-02-2008	10:33:05	1147849,25	3,5	0,005833333	5,833333333	21
16-02-2008	10:43:05	1147853,25	4	0,006666667	6,666666667	24
16-02-2008	10:53:05	1147857,625	4,375	0,007291667	7,291666667	26,25
16-02-2008	11:03:05	1147861,625	4	0,006666667	6,666666667	24
16-02-2008	11:13:05	1147865,875	4,25	0,007083333	7,083333333	25,5
16-02-2008	11:23:05	1147869,75	3,875	0,006458333	6,458333333	23,25
16-02-2008	11:33:05	1147874,625	4,875	0,008125	8,125	29,25
16-02-2008	11:43:05	1147879,25	4,625	0,007708333	7,708333333	27,75
16-02-2008	11:53:06	1147884,25	5	0,008333333	8,333333333	30
16-02-2008	12:03:06	1147889	4,75	0,007916667	7,916666667	28,5
16-02-2008	12:13:06	1147893,25	4,25	0,007083333	7,083333333	25,5
16-02-2008	12:23:06	1147897,25	4	0,006666667	6,666666667	24
16-02-2008	12:33:06	1147901,375	4,125	0,006875	6,875	24,75
16-02-2008	12:43:06	1147905,75	4,375	0,007291667	7,291666667	26,25
16-02-2008	12:53:06	1147909,875	4,125	0,006875	6,875	24,75
16-02-2008	13:03:06	1147913,5	3,625	0,006041667	6,041666667	21,75
16-02-2008	13:13:06	1147917	3,5	0,005833333	5,833333333	21
16-02-2008	13:23:06	1147921,5	4,5	0,0075	7,5	27
16-02-2008	13:33:06	1147925,375	3,875	0,006458333	6,458333333	23,25
16-02-2008	13:43:06	1147929,25	3,875	0,006458333	6,458333333	23,25
16-02-2008	13:53:06	1147932,875	3,625	0,006041667	6,041666667	21,75
16-02-2008	14:03:06	1147936,5	3,625	0,006041667	6,041666667	21,75
16-02-2008	14:13:06	1147940,125	3,625	0,006041667	6,041666667	21,75
16-02-2008	14:23:06	1147944,25	4,125	0,006875	6,875	24,75
16-02-2008	14:33:06	1147948	3,75	0,00625	6,25	22,5
16-02-2008	14:43:06	1147952,125	4,125	0,006875	6,875	24,75
16-02-2008	14:53:06	1147956,625	4,5	0,0075	7,5	27
16-02-2008	15:03:06	1147960,625	4	0,006666667	6,666666667	24
16-02-2008	15:13:06	1147964,875	4,25	0,007083333	7,083333333	25,5
16-02-2008	15:23:06	1147968,25	3,375	0,005625	5,625	20,25
16-02-2008	15:33:06	1147972,5	4,25	0,007083333	7,083333333	25,5
16-02-2008	15:43:06	1147975,875	3,375	0,005625	5,625	20,25
16-02-2008	15:53:06	1147979,25	3,375	0,005625	5,625	20,25
16-02-2008	16:03:06	1147983,25	4	0,006666667	6,666666667	24
16-02-2008	16:13:06	1147986,625	3,375	0,005625	5,625	20,25
16-02-2008	16:23:06	1147991	4,375	0,007291667	7,291666667	26,25
16-02-2008	16:33:06	1147994,625	3,625	0,006041667	6,041666667	21,75
16-02-2008	16:43:06	1147998,125	3,5	0,005833333	5,833333333	21
16-02-2008	16:53:06	1148001,75	3,625	0,006041667	6,041666667	21,75
16-02-2008	17:03:06	1148005	3,25	0,005416667	5,416666667	19,5

16-02-2008	17:13:06	1148008,25	3,25	0,005416667	5,416666667	19,5
16-02-2008	17:23:06	1148011,875	3,625	0,006041667	6,041666667	21,75
16-02-2008	17:33:06	1148015,5	3,625	0,006041667	6,041666667	21,75
16-02-2008	17:43:06	1148019	3,5	0,005833333	5,833333333	21
16-02-2008	17:53:06	1148022,75	3,75	0,00625	6,25	22,5
16-02-2008	18:03:07	1148026,375	3,625	0,006041667	6,041666667	21,75
16-02-2008	18:13:07	1148030,375	4	0,006666667	6,666666667	24
16-02-2008	18:23:07	1148034,375	4	0,006666667	6,666666667	24
16-02-2008	18:33:07	1148037,75	3,375	0,005625	5,625	20,25
16-02-2008	18:43:07	1148041,625	3,875	0,006458333	6,458333333	23,25
16-02-2008	18:53:07	1148045,375	3,75	0,00625	6,25	22,5
16-02-2008	19:03:07	1148048,875	3,5	0,005833333	5,833333333	21
16-02-2008	19:13:07	1148052,375	3,5	0,005833333	5,833333333	21
16-02-2008	19:23:07	1148055,75	3,375	0,005625	5,625	20,25
16-02-2008	19:33:07	1148059	3,25	0,005416667	5,416666667	19,5
16-02-2008	19:43:07	1148062	3	0,005	5	18
16-02-2008	19:53:07	1148065,125	3,125	0,005208333	5,208333333	18,75
16-02-2008	20:03:07	1148068,375	3,25	0,005416667	5,416666667	19,5
16-02-2008	20:13:07	1148072,125	3,75	0,00625	6,25	22,5
16-02-2008	20:23:07	1148076,25	4,125	0,006875	6,875	24,75
16-02-2008	20:33:07	1148080	3,75	0,00625	6,25	22,5
16-02-2008	20:43:07	1148083,125	3,125	0,005208333	5,208333333	18,75
16-02-2008	20:53:07	1148086,25	3,125	0,005208333	5,208333333	18,75
16-02-2008	21:03:07	1148089	2,75	0,004583333	4,583333333	16,5
16-02-2008	21:13:07	1148091,625	2,625	0,004375	4,375	15,75
16-02-2008	21:23:07	1148094	2,375	0,003958333	3,958333333	14,25
16-02-2008	21:33:07	1148096,75	2,75	0,004583333	4,583333333	16,5
16-02-2008	21:43:07	1148099,25	2,5	0,004166667	4,166666667	15
16-02-2008	21:53:07	1148101,25	2	0,003333333	3,333333333	12
16-02-2008	22:03:07	1148103,375	2,125	0,003541667	3,541666667	12,75
16-02-2008	22:13:07	1148105,125	1,75	0,002916667	2,916666667	10,5
16-02-2008	22:23:07	1148106,875	1,75	0,002916667	2,916666667	10,5
16-02-2008	22:33:07	1148108,375	1,5	0,0025	2,5	9
16-02-2008	22:43:07	1148110,25	1,875	0,003125	3,125	11,25
16-02-2008	22:53:07	1148112,125	1,875	0,003125	3,125	11,25
16-02-2008	23:03:07	1148113,875	1,75	0,002916667	2,916666667	10,5
16-02-2008	23:13:07	1148115,5	1,625	0,002708333	2,708333333	9,75
16-02-2008	23:23:07	1148117,25	1,75	0,002916667	2,916666667	10,5
16-02-2008	23:33:08	1148119	1,75	0,002916667	2,916666667	10,5
16-02-2008	23:43:08	1148121,25	2,25	0,00375	3,75	13,5
16-02-2008	23:53:08	1148123	1,75	0,002916667	2,916666667	10,5
17-02-2008	00:00:15	1148124,25	1,25	0,00297619	2,976190476	10,71428571

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
17-02-2008	00:00:15	1148124,250				
17-02-2008	00:03:08	1148124,625	0,375	0,002	2,083	7,500
17-02-2008	00:13:08	1148126,500	1,875	0,003	3,125	11,250
17-02-2008	00:23:08	1148128,375	1,875	0,003	3,125	11,250
17-02-2008	00:33:08	1148130,125	1,750	0,003	2,917	10,500
17-02-2008	00:43:08	1148131,750	1,625	0,003	2,708	9,750
17-02-2008	00:53:08	1148133,250	1,500	0,003	2,500	9,000
17-02-2008	01:03:08	1148134,625	1,375	0,002	2,292	8,250
17-02-2008	01:13:08	1148135,875	1,250	0,002	2,083	7,500
17-02-2008	01:23:08	1148137,000	1,125	0,002	1,875	6,750
17-02-2008	01:33:08	1148138,125	1,125	0,002	1,875	6,750
17-02-2008	01:43:08	1148139,250	1,125	0,002	1,875	6,750
17-02-2008	01:53:08	1148140,250	1,000	0,002	1,667	6,000
17-02-2008	02:03:08	1148141,125	0,875	0,001	1,458	5,250
17-02-2008	02:13:08	1148142,000	0,875	0,001	1,458	5,250
17-02-2008	02:23:08	1148142,875	0,875	0,001	1,458	5,250
17-02-2008	02:33:08	1148143,625	0,750	0,001	1,250	4,500
17-02-2008	02:43:08	1148144,500	0,875	0,001	1,458	5,250
17-02-2008	02:53:08	1148145,250	0,750	0,001	1,250	4,500
17-02-2008	03:03:08	1148146,000	0,750	0,001	1,250	4,500
17-02-2008	03:13:08	1148146,750	0,750	0,001	1,250	4,500
17-02-2008	03:23:08	1148147,375	0,625	0,001	1,042	3,750
17-02-2008	03:33:08	1148148,000	0,625	0,001	1,042	3,750
17-02-2008	03:43:08	1148148,625	0,625	0,001	1,042	3,750
17-02-2008	03:53:08	1148149,375	0,750	0,001	1,250	4,500
17-02-2008	04:03:08	1148150,000	0,625	0,001	1,042	3,750
17-02-2008	04:13:09	1148150,625	0,625	0,001	1,042	3,750
17-02-2008	04:23:09	1148151,375	0,750	0,001	1,250	4,500
17-02-2008	04:33:09	1148152,125	0,750	0,001	1,250	4,500
17-02-2008	04:43:09	1148152,750	0,625	0,001	1,042	3,750
17-02-2008	04:53:09	1148153,500	0,750	0,001	1,250	4,500
17-02-2008	05:03:09	1148154,125	0,625	0,001	1,042	3,750
17-02-2008	05:13:09	1148154,750	0,625	0,001	1,042	3,750
17-02-2008	05:23:09	1148155,375	0,625	0,001	1,042	3,750
17-02-2008	05:33:09	1148156,125	0,750	0,001	1,250	4,500
17-02-2008	05:43:09	1148156,750	0,625	0,001	1,042	3,750
17-02-2008	05:53:09	1148157,500	0,750	0,001	1,250	4,500
17-02-2008	06:03:09	1148158,375	0,875	0,001	1,458	5,250
17-02-2008	06:13:09	1148159,000	0,625	0,001	1,042	3,750
17-02-2008	06:23:09	1148159,750	0,750	0,001	1,250	4,500
17-02-2008	06:33:09	1148160,625	0,875	0,001	1,458	5,250
17-02-2008	06:43:09	1148161,875	1,250	0,002	2,083	7,500
17-02-2008	06:53:09	1148163,250	1,375	0,002	2,292	8,250
17-02-2008	07:03:09	1148164,875	1,625	0,003	2,708	9,750
17-02-2008	07:13:09	1148166,000	1,125	0,002	1,875	6,750
17-02-2008	07:23:09	1148167,875	1,875	0,003	3,125	11,250
17-02-2008	07:33:09	1148169,625	1,750	0,003	2,917	10,500
17-02-2008	07:43:09	1148171,125	1,500	0,003	2,500	9,000
17-02-2008	07:53:09	1148172,375	1,250	0,002	2,083	7,500

17-02-2008	08:03:09	1148173,500	1,125	0,002	1,875	6,750
17-02-2008	08:13:09	1148175,000	1,500	0,003	2,500	9,000
17-02-2008	08:23:09	1148176,750	1,750	0,003	2,917	10,500
17-02-2008	08:33:10	1148178,125	1,375	0,002	2,292	8,250
17-02-2008	08:43:10	1148179,750	1,625	0,003	2,708	9,750
17-02-2008	08:53:10	1148181,875	2,125	0,004	3,542	12,750
17-02-2008	09:03:10	1148184,500	2,625	0,004	4,375	15,750
17-02-2008	09:13:10	1148187,500	3,000	0,005	5,000	18,000
17-02-2008	09:23:10	1148190,375	2,875	0,005	4,792	17,250
17-02-2008	09:33:10	1148193,625	3,250	0,005	5,417	19,500
17-02-2008	09:43:10	1148196,875	3,250	0,005	5,417	19,500
17-02-2008	09:53:10	1148200,000	3,125	0,005	5,208	18,750
17-02-2008	10:03:10	1148203,250	3,250	0,005	5,417	19,500
17-02-2008	10:13:10	1148206,750	3,500	0,006	5,833	21,000
17-02-2008	10:23:10	1148210,500	3,750	0,006	6,250	22,500
17-02-2008	10:33:10	1148213,750	3,250	0,005	5,417	19,500
17-02-2008	10:43:10	1148216,750	3,000	0,005	5,000	18,000
17-02-2008	10:53:10	1148220,250	3,500	0,006	5,833	21,000
17-02-2008	11:03:10	1148223,875	3,625	0,006	6,042	21,750
17-02-2008	11:13:10	1148228,125	4,250	0,007	7,083	25,500
17-02-2008	11:23:10	1148232,375	4,250	0,007	7,083	25,500
17-02-2008	11:33:10	1148236,750	4,375	0,007	7,292	26,250
17-02-2008	11:43:10	1148240,500	3,750	0,006	6,250	22,500
17-02-2008	11:53:10	1148244,500	4,000	0,007	6,667	24,000
17-02-2008	12:03:10	1148248,250	3,750	0,006	6,250	22,500
17-02-2008	12:13:10	1148251,875	3,625	0,006	6,042	21,750
17-02-2008	12:23:10	1148255,625	3,750	0,006	6,250	22,500
17-02-2008	12:33:10	1148259,125	3,500	0,006	5,833	21,000
17-02-2008	12:43:10	1148262,500	3,375	0,006	5,625	20,250
17-02-2008	12:53:10	1148266,500	4,000	0,007	6,667	24,000
17-02-2008	13:03:10	1148270,000	3,500	0,006	5,833	21,000
17-02-2008	13:13:10	1148273,375	3,375	0,006	5,625	20,250
17-02-2008	13:23:11	1148276,750	3,375	0,006	5,625	20,250
17-02-2008	13:33:11	1148280,000	3,250	0,005	5,417	19,500
17-02-2008	13:43:11	1148282,875	2,875	0,005	4,792	17,250
17-02-2008	13:53:11	1148285,750	2,875	0,005	4,792	17,250
17-02-2008	14:03:11	1148289,000	3,250	0,005	5,417	19,500
17-02-2008	14:13:11	1148292,125	3,125	0,005	5,208	18,750
17-02-2008	14:23:11	1148295,375	3,250	0,005	5,417	19,500
17-02-2008	14:33:11	1148298,750	3,375	0,006	5,625	20,250
17-02-2008	14:43:11	1148301,625	2,875	0,005	4,792	17,250
17-02-2008	14:53:11	1148304,375	2,750	0,005	4,583	16,500
17-02-2008	15:03:11	1148307,250	2,875	0,005	4,792	17,250
17-02-2008	15:13:11	1148310,000	2,750	0,005	4,583	16,500
17-02-2008	15:23:11	1148312,125	2,125	0,004	3,542	12,750
17-02-2008	15:33:11	1148314,750	2,625	0,004	4,375	15,750
17-02-2008	15:43:11	1148317,125	2,375	0,004	3,958	14,250
17-02-2008	15:53:11	1148319,500	2,375	0,004	3,958	14,250
17-02-2008	16:03:11	1148322,125	2,625	0,004	4,375	15,750
17-02-2008	16:13:11	1148324,625	2,500	0,004	4,167	15,000
17-02-2008	16:23:11	1148327,000	2,375	0,004	3,958	14,250
17-02-2008	16:33:11	1148329,375	2,375	0,004	3,958	14,250
17-02-2008	16:43:11	1148331,750	2,375	0,004	3,958	14,250
17-02-2008	16:53:11	1148334,125	2,375	0,004	3,958	14,250
17-02-2008	17:03:11	1148336,250	2,125	0,004	3,542	12,750

17-02-2008	17:13:11	1148338,500	2,250	0,004	3,750	13,500
17-02-2008	17:23:11	1148340,000	1,500	0,003	2,500	9,000
17-02-2008	17:33:11	1148341,750	1,750	0,003	2,917	10,500
17-02-2008	17:43:11	1148343,250	1,500	0,003	2,500	9,000
17-02-2008	17:53:11	1148344,375	1,125	0,002	1,875	6,750
17-02-2008	18:03:11	1148345,625	1,250	0,002	2,083	7,500
17-02-2008	18:13:11	1148347,000	1,375	0,002	2,292	8,250
17-02-2008	18:23:11	1148348,500	1,500	0,003	2,500	9,000
17-02-2008	18:33:11	1148350,000	1,500	0,003	2,500	9,000
17-02-2008	18:43:11	1148351,250	1,250	0,002	2,083	7,500
17-02-2008	18:53:11	1148352,875	1,625	0,003	2,708	9,750
17-02-2008	19:03:11	1148354,250	1,375	0,002	2,292	8,250
17-02-2008	19:13:11	1148355,875	1,625	0,003	2,708	9,750
17-02-2008	19:23:11	1148357,250	1,375	0,002	2,292	8,250
17-02-2008	19:33:11	1148358,625	1,375	0,002	2,292	8,250
17-02-2008	19:43:11	1148360,125	1,500	0,003	2,500	9,000
17-02-2008	19:53:11	1148361,625	1,500	0,003	2,500	9,000
17-02-2008	20:03:11	1148363,125	1,500	0,003	2,500	9,000
17-02-2008	20:13:11	1148364,750	1,625	0,003	2,708	9,750
17-02-2008	20:23:11	1148366,625	1,875	0,003	3,125	11,250
17-02-2008	20:33:11	1148368,875	2,250	0,004	3,750	13,500
17-02-2008	20:43:11	1148370,875	2,000	0,003	3,333	12,000
17-02-2008	20:53:11	1148372,500	1,625	0,003	2,708	9,750
17-02-2008	21:03:11	1148373,875	1,375	0,002	2,292	8,250
17-02-2008	21:13:11	1148375,625	1,750	0,003	2,917	10,500
17-02-2008	21:23:12	1148377,250	1,625	0,003	2,708	9,750
17-02-2008	21:33:12	1148379,500	2,250	0,004	3,750	13,500
17-02-2008	21:43:12	1148381,750	2,250	0,004	3,750	13,500
17-02-2008	21:53:12	1148383,750	2,000	0,003	3,333	12,000
17-02-2008	22:03:12	1148385,250	1,500	0,003	2,500	9,000
17-02-2008	22:13:12	1148387,000	1,750	0,003	2,917	10,500
17-02-2008	22:23:12	1148388,625	1,625	0,003	2,708	9,750
17-02-2008	22:33:12	1148390,125	1,500	0,003	2,500	9,000
17-02-2008	22:43:12	1148391,625	1,500	0,003	2,500	9,000
17-02-2008	22:53:12	1148393,000	1,375	0,002	2,292	8,250
17-02-2008	23:03:12	1148394,625	1,625	0,003	2,708	9,750
17-02-2008	23:13:12	1148395,875	1,250	0,002	2,083	7,500
17-02-2008	23:23:12	1148397,000	1,125	0,002	1,875	6,750
17-02-2008	23:33:12	1148398,000	1,000	0,002	1,667	6,000
17-02-2008	23:43:12	1148399,000	1,000	0,002	1,667	6,000
17-02-2008	23:53:12	1148400,125	1,125	0,002	1,875	6,750
18-02-2008	00:00:04	1148400,875	0,750	0,002	1,820	6,553

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	15-Fev	16-Fev	17-Fev	Caudais Médios m3/h	Caudal Médio Horário	Factor de Consumo
Hora	Caudal (m3/h)											
00:00-00:10	9,375	10,000	9,375	6,750	10,500	11,250	6,750	10,500	11,250	9,528	8,644	0,731
00:10-00:20	11,250	8,250	9,750	6,750	10,500	11,250	6,750	12,750	11,250	9,833		0,755
00:20-00:30	9,000	9,750	8,250	6,000	9,000	9,000	6,000	10,500	10,500	8,667		0,665
00:30-00:40	6,750	9,000	6,750	5,250	9,000	9,000	6,000	10,500	9,750	8,000		0,614
00:40-00:50	9,000	9,750	6,750	6,000	9,000	7,500	6,750	9,000	9,000	8,083		0,620
00:50-01:00	7,500	11,250	6,750	6,000	8,250	7,500	6,000	8,250	8,250	7,750		0,595
01:00-01:10	7,500	9,750	6,000	6,000	6,750	6,000	5,250	6,750	7,500	6,833	6,028	0,525
01:10-01:20	7,500	8,250	5,250	6,750	7,500	6,750	4,500	7,500	6,750	6,750		0,518
01:20-01:30	6,750	6,750	5,250	4,500	6,750	6,000	4,500	6,750	6,750	6,000		0,461
01:30-01:40	5,250	6,750	4,500	4,500	6,750	6,000	3,000	6,000	6,750	5,500		0,422
01:40-01:50	6,000	7,500	3,750	4,500	7,500	4,500	3,750	6,750	6,000	5,583		0,429
01:50-02:00	6,000	6,750	5,250	4,500	6,750	5,250	3,750	6,000	5,250	5,500		0,422
02:00-02:10	5,250	5,250	5,250	3,750	6,750	5,250	3,750	6,000	5,250	5,167	4,903	0,397
02:10-02:20	5,250	6,000	4,500	4,500	6,000	4,500	3,000	5,250	5,250	4,917		0,377
02:20-02:30	5,250	6,750	5,250	3,000	6,000	5,250	3,750	5,250	4,500	5,000		0,384
02:30-02:40	4,500	6,000	4,500	3,750	6,000	4,500	2,250	5,250	5,250	4,667		0,358
02:40-02:50	4,500	6,000	3,750	4,500	6,750	5,250	3,750	5,250	4,500	4,917		0,377
02:50-03:00	5,250	5,250	4,500	3,750	6,750	5,250	2,250	5,250	4,500	4,750		0,365
03:00-03:10	6,000	5,250	5,250	3,750	6,750	5,250	3,000	6,000	4,500	5,083	4,431	0,390
03:10-03:20	4,500	5,250	3,750	3,750	6,000	5,250	2,250	5,250	3,750	4,417		0,339
03:20-03:30	5,250	5,250	4,500	1,500	6,750	5,250	0,000	5,250	3,750	4,167		0,320
03:30-03:40	4,500	4,500	4,500	1,500	6,000	4,500	3,000	5,250	3,750	4,167		0,320
03:40-03:50	5,250	5,250	3,750	3,750	6,000	4,500	1,500	5,250	4,500	4,417		0,339
03:50-04:00	4,500	4,500	4,500	3,000	6,000	5,250	2,250	5,250	3,750	4,333		0,333
04:00-04:10	4,500	4,500	4,500	3,750	6,000	4,500	2,250	5,250	3,750	4,333	4,417	0,333
04:10-04:20	4,500	5,250	4,500	3,750	6,000	4,500	2,250	5,250	4,500	4,500		0,345
04:20-04:30	4,500	4,500	4,500	1,500	6,750	5,250	2,250	5,250	4,500	4,333		0,333
04:30-04:40	5,250	4,500	4,500	2,250	6,000	4,500	3,000	5,250	3,750	4,333		0,333
04:40-04:50	4,500	5,250	4,500	3,750	6,000	4,500	3,750	5,250	4,500	4,667		0,358
04:50-05:00	4,500	4,500	4,500	3,000	6,750	5,250	1,500	5,250	3,750	4,333		0,333
05:00-05:10	5,250	4,500	3,750	3,000	6,000	5,250	3,000	5,250	3,750	4,417	4,361	0,339
05:10-05:20	4,500	4,500	4,500	3,750	6,750	4,500	3,750	6,000	3,750	4,667		0,358
05:20-05:30	4,500	4,500	4,500	3,000	6,750	5,250	2,250	4,500	4,500	4,417		0,339
05:30-05:40	4,500	4,500	3,750	4,500	6,750	4,500	3,000	5,250	3,750	4,500		0,345
05:40-05:50	2,250	4,500	0,000	4,500	6,000	6,000	3,000	6,000	4,500	4,083		0,313
05:50-06:00	0,000	4,500	0,000	4,500	7,500	6,750	3,000	5,250	5,250	4,083		0,313
06:00-06:10	1,500	5,250	0,750	5,250	6,750	6,000	5,250	5,250	3,750	4,417	5,764	0,339
06:10-06:20	0,000	5,250	1,500	5,250	8,250	5,250	4,500	6,750	4,500	4,583		0,352
06:20-06:30	2,250	5,250	2,250	6,000	7,500	7,500	5,250	6,000	5,250	5,250		0,403
06:30-06:40	0,000	5,250	3,000	5,250	9,000	8,250	6,000	6,000	7,500	5,583		0,429
06:40-06:50	0,750	5,250	4,500	8,250	9,750	8,250	9,000	6,000	8,250	6,667		0,512
06:50-07:00	2,250	7,500	6,000	8,250	12,000	9,750	9,750	7,500	9,750	8,083		0,620
07:00-07:10	3,000	6,000	6,750	10,500	10,500	12,000	11,250	8,250	6,750	8,333	11,972	0,640
07:10-07:20	6,000	7,500	9,750	15,000	14,250	15,750	14,250	12,000	11,250	11,750		0,902
07:20-07:30	9,750	10,500	14,250	17,250	17,250	18,000	17,250	12,000	10,500	14,083		1,081
07:30-07:40	6,750	9,750	12,750	15,000	18,750	15,750	18,000	9,750	9,000	12,833		0,985
07:40-07:50	6,750	8,250	14,250	15,750	19,500	18,000	18,000	12,750	7,500	13,417		1,030
07:50-08:00	7,500	7,500	12,000	15,000	15,750	14,250	13,500	10,500	6,750	11,417		0,876
08:00-08:10	7,500	7,500	10,500	12,000	15,750	13,500	12,750	12,000	9,000	11,167	14,056	0,857
08:10-08:20	13,500	9,750	11,250	12,750	15,750	12,750	14,250	14,250	10,500	12,750		0,979
08:20-08:30	11,250	9,000	12,750	14,250	16,500	14,250	14,250	18,750	8,250	13,250		1,017
08:30-08:40	12,000	10,500	14,250	13,500	16,500	17,250	12,750	18,750	9,750	13,917		1,068
08:40-08:50	13,500	14,250	16,500	15,000	16,500	21,000	14,250	18,750	12,750	15,833		1,215
08:50-09:00	18,750	15,750	16,500	15,000	18,750	20,250	17,250	18,750	15,750	17,417		1,337

09:00-09:10	17,250	24,000	13,500	11,250	19,500	17,250	15,000	19,500	18,000	17,250	17,875	1,324
09:10-09:20	19,500	21,000	12,750	12,750	18,000	18,000	14,250	17,250	17,250	16,750		1,286
09:20-09:30	18,750	24,750	12,000	14,250	13,500	18,000	12,750	18,750	19,500	16,917		1,299
09:30-09:40	18,000	23,250	14,250	16,500	19,500	19,500	12,000	21,000	19,500	18,167		1,395
09:40-09:50	21,750	24,750	13,500	15,000	19,500	21,000	15,000	25,500	18,750	19,417		1,490
09:50-10:00	24,750	26,250	15,000	14,250	16,500	18,750	12,750	21,000	19,500	18,750		1,439
10:00-10:10	24,750	33,000	16,500	15,750	14,250	19,500	16,500	24,000	21,000	20,583	20,458	1,580
10:10-10:20	25,500	29,250	15,750	16,500	15,000	17,250	14,250	24,750	22,500	20,083		1,542
10:20-10:30	23,250	25,500	21,750	17,250	17,250	16,500	13,500	21,000	19,500	19,500		1,497
10:30-10:40	24,000	25,500	21,000	20,250	16,500	18,000	14,250	24,000	18,000	20,167		1,548
10:40-10:50	23,250	27,000	20,250	19,500	17,250	16,500	17,250	26,250	21,000	20,917		1,606
10:50-11:00	22,500	26,250	24,000	21,750	15,750	18,750	18,750	24,000	21,750	21,500		1,650
11:00-11:10	28,500	29,250	18,750	20,250	18,750	21,000	15,750	25,500	25,500	22,583	21,931	1,734
11:10-11:20	27,750	28,500	19,500	20,250	14,250	17,250	14,250	23,250	25,500	21,167		1,625
11:20-11:30	31,500	25,500	20,250	19,500	15,750	17,250	15,750	29,250	26,250	22,333		1,714
11:30-11:40	29,250	25,500	22,500	18,750	15,750	21,750	15,750	27,750	22,500	22,167		1,702
11:40-11:50	25,500	26,250	21,000	21,000	14,250	16,500	16,500	30,000	24,000	21,667		1,663
11:50-12:00	27,000	28,500	20,250	17,250	16,500	18,000	16,500	28,500	22,500	21,667		1,663
12:00-12:10	31,500	23,250	19,500	15,000	14,250	15,750	17,250	25,500	21,750	20,417	19,958	1,567
12:10-12:20	26,250	27,750	15,750	14,250	16,500	17,250	17,250	24,000	22,500	20,167		1,548
12:20-12:30	26,250	25,500	15,000	14,250	18,000	17,250	21,000	24,750	21,000	20,333		1,561
12:30-12:40	28,500	25,500	17,250	15,750	13,500	15,750	18,750	26,250	20,250	20,167		1,548
12:40-12:50	26,250	21,750	15,750	14,250	17,250	15,000	16,500	24,750	24,000	19,500		1,497
12:50-13:00	24,000	23,250	16,500	13,500	16,500	15,750	20,250	21,750	21,000	19,167		1,471
13:00-13:10	25,500	21,000	12,750	14,250	15,000	14,250	21,000	21,000	20,250	18,333	18,153	1,407
13:10-13:20	21,750	21,000	12,000	12,750	15,000	12,000	18,750	27,000	20,250	17,833		1,369
13:20-13:30	24,750	19,500	11,250	14,250	13,500	14,250	19,500	23,250	19,500	17,750		1,363
13:30-13:40	23,250	23,250	12,750	14,250	17,250	20,250	18,000	23,250	17,250	18,833		1,446
13:40-13:50	21,750	20,250	13,500	14,250	13,500	21,000	17,250	21,750	17,250	17,833		1,369
13:50-14:00	24,750	22,500	15,750	11,250	11,250	20,250	18,000	21,750	19,500	18,333		1,407
14:00-14:10	27,750	20,250	13,500	13,500	11,250	22,500	20,250	21,750	18,750	18,833	18,514	1,446
14:10-14:20	24,000	21,000	15,000	12,000	10,500	22,500	16,500	24,750	19,500	18,417		1,414
14:20-14:30	22,500	18,750	19,500	10,500	9,000	21,000	15,000	22,500	20,250	17,667		1,356
14:30-14:40	27,000	20,250	20,250	11,250	9,750	21,000	18,750	24,750	17,250	18,917		1,452
14:40-14:50	27,000	20,250	20,250	12,750	12,000	17,250	19,500	27,000	16,500	19,167		1,471
14:50-15:00	24,000	18,750	18,750	12,000	11,250	16,500	20,250	24,000	17,250	18,083		1,388
15:00-15:10	22,500	19,500	12,000	12,000	9,750	18,750	20,250	25,500	16,500	17,417	16,500	1,337
15:10-15:20	24,000	16,500	11,250	12,000	8,250	18,750	18,750	20,250	12,750	15,833		1,215
15:20-15:30	24,750	16,500	12,750	12,000	11,250	19,500	21,000	25,500	15,750	17,667		1,356
15:30-15:40	21,000	17,250	13,500	10,500	10,500	17,250	21,000	20,250	14,250	16,167		1,241
15:40-15:50	20,250	13,500	12,750	10,500	12,750	17,250	20,250	20,250	14,250	15,750		1,209
15:50-16:00	27,750	13,500	12,000	9,750	10,500	15,000	17,250	24,000	15,750	16,167		1,241
16:00-16:10	21,750	15,000	14,250	8,250	12,000	11,250	15,000	20,250	15,000	14,750	14,528	1,132
16:10-16:20	25,500	15,750	13,500	9,750	10,500	12,750	18,000	26,250	14,250	16,250		1,247
16:20-16:30	23,250	15,750	13,500	9,000	7,500	9,750	15,000	21,750	14,250	14,417		1,107
16:30-16:40	18,750	13,500	12,750	11,250	7,500	10,500	13,500	21,000	14,250	13,667		1,049
16:40-16:50	21,750	15,000	12,750	8,250	9,000	8,250	17,250	21,750	14,250	14,250		1,094
16:50-17:00	27,750	13,500	12,000	9,000	8,250	8,250	13,500	19,500	12,750	13,833		1,062
17:00-17:10	21,750	15,000	13,500	11,250	13,500	10,500	15,000	19,500	13,500	14,833	15,208	1,139
17:10-17:20	27,000	15,750	11,250	13,500	13,500	12,750	19,500	21,750	9,000	16,000		1,228
17:20-17:30	21,750	14,250	12,000	12,000	14,250	14,250	16,500	21,750	10,500	15,250		1,171
17:30-17:40	21,000	12,750	9,750	12,000	10,500	15,000	18,000	21,000	9,000	14,333		1,100
17:40-17:50	27,750	9,750	11,250	12,750	15,750	15,000	15,750	22,500	6,750	15,250		1,171
17:50-18:00	29,250	9,750	14,250	14,250	12,750	16,500	14,250	21,750	7,500	15,583		1,196
18:00-18:10	30,000	11,250	12,750	12,000	14,250	20,250	15,000	24,000	8,250	16,417	15,944	1,260
18:10-18:20	27,750	12,000	11,250	11,250	13,500	15,750	16,500	24,000	9,000	15,667		1,203
18:20-18:30	30,000	10,500	12,000	12,750	15,000	12,750	17,250	20,250	9,000	15,500		1,190
18:30-18:40	25,500	10,500	14,250	16,500	15,750	16,500	18,000	23,250	7,500	16,417		1,260
18:40-18:50	24,750	9,750	18,000	15,750	12,750	17,250	16,500	22,500	9,750	16,333		1,254
18:50-19:00	18,000	12,000	15,750	15,750	15,000	15,750	16,500	21,000	8,250	15,333		1,177

19:00-19:10	20,250	13,500	15,750	13,500	15,000	16,500	18,750	21,000	9,750	16,000	15,069	1,228
19:10-19:20	19,500	10,500	17,250	16,500	15,000	15,750	15,750	20,250	8,250	15,417		1,183
19:20-19:30	22,500	10,500	17,250	13,500	15,750	15,000	16,500	19,500	8,250	15,417		1,183
19:30-19:40	21,750	11,250	16,500	12,000	18,000	14,250	17,250	18,000	9,000	15,333		1,177
19:40-19:50	19,500	10,500	15,750	13,500	13,500	13,500	15,000	18,750	9,000	14,333		1,100
19:50-20:00	18,000	9,000	13,500	12,000	12,000	16,500	15,750	19,500	9,000	13,917		1,068
20:00-20:10	21,000	11,250	14,250	14,250	15,750	17,250	18,750	22,500	9,750	16,083	16,139	1,235
20:10-20:20	21,000	11,250	12,750	17,250	15,750	18,000	18,000	24,750	11,250	16,667		1,279
20:20-20:30	21,750	12,000	18,750	16,500	18,000	19,500	19,500	22,500	13,500	18,000		1,382
20:30-20:40	21,000	13,500	15,750	18,000	15,750	16,500	15,750	18,750	12,000	16,333		1,254
20:40-20:50	15,000	12,000	13,500	14,250	17,250	15,750	17,250	18,750	9,750	14,833		1,139
20:50-21:00	15,000	12,000	15,000	18,000	14,250	16,500	18,750	16,500	8,250	14,917		1,145
21:00-21:10	15,750	11,250	13,500	15,750	16,500	14,250	16,500	15,750	10,500	14,417	14,569	1,107
21:10-21:20	15,000	12,000	15,000	18,750	18,000	14,250	15,750	14,250	9,750	14,750		1,132
21:20-21:30	15,750	12,000	15,000	20,250	16,500	18,750	18,000	16,500	13,500	16,250		1,247
21:30-21:40	17,250	15,000	12,750	17,250	15,750	18,000	15,000	15,000	13,500	15,500		1,190
21:40-21:50	12,750	14,250	12,000	14,250	15,750	16,500	13,500	12,000	12,000	13,667		1,049
21:50-22:00	12,750	11,250	12,000	15,000	13,500	15,750	13,500	12,750	9,000	12,833		0,985
22:00-22:10	11,250	13,500	14,250	15,750	14,250	16,500	15,000	10,500	10,500	13,500	12,639	1,036
22:10-22:20	12,750	15,000	13,500	15,750	12,750	14,250	12,750	10,500	9,750	13,000		0,998
22:20-22:30	12,000	11,250	12,000	13,500	14,250	14,250	12,750	9,000	9,000	12,000		0,921
22:30-22:40	12,750	12,750	12,000	14,250	16,500	12,000	15,000	11,250	9,000	12,833		0,985
22:40-22:50	12,000	14,250	12,750	15,000	12,000	12,750	15,000	11,250	8,250	12,583		0,966
22:50-23:00	13,500	12,750	12,750	14,250	9,750	10,500	13,500	10,500	9,750	11,917		0,915
23:00-23:10	12,000	13,500	10,500	13,500	12,000	13,500	14,250	9,750	7,500	11,833	10,593	0,908
23:10-23:20	11,250	12,750	11,250	15,000	12,000	10,500	9,750	10,500	6,750	11,083		0,851
23:20-23:30	12,750	11,250	8,250	12,000	9,750	8,250	11,250	10,500	6,000	10,000		0,768
23:30-23:40	12,750	10,500	10,500	12,000	10,500	10,500	12,000	13,500	6,000	10,917		0,838
23:40-23:50	9,750	9,750	9,000	11,250	11,250	9,750	11,250	10,500	6,750	9,917		0,761
23:50-00:00	11,250	10,500	6,667	10,000	10,714	8,571	13,295	10,714	6,553	9,807		0,753

Caudal Médio Diário = 13,027 m3/h

Consumo Diário *Crestuma*
Caudal (m3/h)
25
20
15
10
5
0
00:00-00:10
00:40-00:50
01:20-01:30
02:00-02:10
02:40-02:50
03:20-03:30
04:00-04:10
04:40-04:50
05:20-05:30
06:00-06:10
06:40-06:50
07:20-07:30
08:00-08:10
08:40-08:50
09:20-09:30
10:00-10:10
10:40-10:50
11:20-11:30
12:00-12:10
12:40-12:50
13:20-13:30
14:00-14:10
14:40-14:50
15:20-15:30
16:00-16:10
16:40-16:50
17:20-17:30
18:00-18:10
18:40-18:50
19:20-19:30
20:00-20:10
20:40-20:50
21:20-21:30
22:00-22:10
22:40-22:50
23:20-23:30
Hora

Consumo Médio Horário *Crestuma*
Caudal (m3/h)
25
20
15
10
5
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CONSUMOS – PORTELA

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	13202203,000				
09-02-2008	00:07:45	13202308,000	105,000	0,226	226,293	814,655
09-02-2008	00:17:45	13202439,000	131,000	0,218	218,333	786,000
09-02-2008	00:27:45	13202564,000	125,000	0,208	208,333	750,000
09-02-2008	00:37:45	13202687,000	123,000	0,205	205,000	738,000
09-02-2008	00:47:45	13202808,000	121,000	0,202	201,667	726,000
09-02-2008	00:57:46	13202924,000	116,000	0,193	193,333	696,000
09-02-2008	01:07:46	13203103,000	179,000	0,298	298,333	1074,000
09-02-2008	01:17:46	13203276,000	173,000	0,288	288,333	1038,000
09-02-2008	01:27:46	13203416,000	140,000	0,233	233,333	840,000
09-02-2008	01:37:46	13203515,000	99,000	0,165	165,000	594,000
09-02-2008	01:47:46	13203623,000	108,000	0,180	180,000	648,000
09-02-2008	01:57:46	13203789,000	166,000	0,277	276,667	996,000
09-02-2008	02:07:46	13203954,000	165,000	0,275	275,000	990,000
09-02-2008	02:17:46	13204127,000	173,000	0,288	288,333	1038,000
09-02-2008	02:27:46	13204291,000	164,000	0,273	273,333	984,000
09-02-2008	02:37:46	13204399,000	108,000	0,180	180,000	648,000
09-02-2008	02:47:46	13204509,000	110,000	0,183	183,333	660,000
09-02-2008	02:57:46	13204619,000	110,000	0,183	183,333	660,000
09-02-2008	03:07:46	13204730,000	111,000	0,185	185,000	666,000
09-02-2008	03:17:46	13204835,000	105,000	0,175	175,000	630,000
09-02-2008	03:27:46	13204921,000	86,000	0,143	143,333	516,000
09-02-2008	03:37:46	13205007,000	86,000	0,143	143,333	516,000
09-02-2008	03:47:46	13205093,000	86,000	0,143	143,333	516,000
09-02-2008	03:57:46	13205218,000	125,000	0,208	208,333	750,000
09-02-2008	04:07:46	13205378,000	160,000	0,267	266,667	960,000
09-02-2008	04:17:46	13205499,000	121,000	0,202	201,667	726,000
09-02-2008	04:27:46	13205583,000	84,000	0,140	140,000	504,000
09-02-2008	04:37:46	13205663,000	80,000	0,133	133,333	480,000
09-02-2008	04:47:46	13205742,000	79,000	0,132	131,667	474,000
09-02-2008	04:57:46	13205818,000	76,000	0,127	126,667	456,000
09-02-2008	05:07:46	13205894,000	76,000	0,127	126,667	456,000
09-02-2008	05:17:46	13205969,000	75,000	0,125	125,000	450,000
09-02-2008	05:27:47	13206042,000	73,000	0,122	121,667	438,000
09-02-2008	05:37:47	13206115,000	73,000	0,122	121,667	438,000
09-02-2008	05:47:47	13206188,000	73,000	0,122	121,667	438,000
09-02-2008	05:57:47	13206259,000	71,000	0,118	118,333	426,000
09-02-2008	06:07:47	13206334,000	75,000	0,125	125,000	450,000
09-02-2008	06:17:47	13206406,000	72,000	0,120	120,000	432,000
09-02-2008	06:27:47	13206503,000	97,000	0,162	161,667	582,000
09-02-2008	06:37:47	13206652,000	149,000	0,248	248,333	894,000
09-02-2008	06:47:47	13206761,000	109,000	0,182	181,667	654,000
09-02-2008	06:57:47	13206828,000	67,000	0,112	111,667	402,000
09-02-2008	07:07:47	13206895,000	67,000	0,112	111,667	402,000
09-02-2008	07:17:47	13206962,000	67,000	0,112	111,667	402,000
09-02-2008	07:27:47	13207029,000	67,000	0,112	111,667	402,000
09-02-2008	07:37:47	13207096,000	67,000	0,112	111,667	402,000
09-02-2008	07:47:47	13207166,000	70,000	0,117	116,667	420,000
09-02-2008	07:57:47	13207234,000	68,000	0,113	113,333	408,000
09-02-2008	08:07:47	13207302,000	68,000	0,113	113,333	408,000

09-02-2008	08:17:47	13207369,000	67,000	0,112	111,667	402,000
09-02-2008	08:27:47	13207518,000	149,000	0,248	248,333	894,000
09-02-2008	08:37:47	13207680,000	162,000	0,270	270,000	972,000
09-02-2008	08:47:47	13207842,000	162,000	0,270	270,000	972,000
09-02-2008	08:57:47	13208005,000	163,000	0,272	271,667	978,000
09-02-2008	09:07:47	13208155,000	150,000	0,250	250,000	900,000
09-02-2008	09:17:47	13208259,000	104,000	0,173	173,333	624,000
09-02-2008	09:27:47	13208378,000	119,000	0,198	198,333	714,000
09-02-2008	09:37:47	13208546,000	168,000	0,280	280,000	1008,000
09-02-2008	09:47:47	13208714,000	168,000	0,280	280,000	1008,000
09-02-2008	09:57:47	13208880,000	166,000	0,277	276,667	996,000
09-02-2008	10:07:47	13209069,000	189,000	0,315	315,000	1134,000
09-02-2008	10:17:47	13209256,000	187,000	0,312	311,667	1122,000
09-02-2008	10:27:47	13209411,000	155,000	0,258	258,333	930,000
09-02-2008	10:37:47	13209552,000	141,000	0,235	235,000	846,000
09-02-2008	10:47:47	13209695,000	143,000	0,238	238,333	858,000
09-02-2008	10:57:47	13209865,000	170,000	0,283	283,333	1020,000
09-02-2008	11:07:47	13210067,000	202,000	0,337	336,667	1212,000
09-02-2008	11:17:47	13210262,000	195,000	0,325	325,000	1170,000
09-02-2008	11:27:47	13210401,000	139,000	0,232	231,667	834,000
09-02-2008	11:37:47	13210529,000	128,000	0,213	213,333	768,000
09-02-2008	11:47:47	13210701,000	172,000	0,287	286,667	1032,000
09-02-2008	11:57:47	13210896,000	195,000	0,325	325,000	1170,000
09-02-2008	12:07:47	13211100,000	204,000	0,340	340,000	1224,000
09-02-2008	12:17:47	13211316,000	216,000	0,360	360,000	1296,000
09-02-2008	12:27:47	13211543,000	227,000	0,378	378,333	1362,000
09-02-2008	12:37:47	13211766,000	223,000	0,372	371,667	1338,000
09-02-2008	12:47:47	13211994,000	228,000	0,380	380,000	1368,000
09-02-2008	12:57:48	13212217,000	223,000	0,372	371,667	1338,000
09-02-2008	13:07:48	13212440,000	223,000	0,372	371,667	1338,000
09-02-2008	13:17:48	13212685,000	245,000	0,408	408,333	1470,000
09-02-2008	13:27:48	13212942,000	257,000	0,428	428,333	1542,000
09-02-2008	13:37:48	13213195,000	253,000	0,422	421,667	1518,000
09-02-2008	13:47:48	13213447,000	252,000	0,420	420,000	1512,000
09-02-2008	13:57:48	13213703,000	256,000	0,427	426,667	1536,000
09-02-2008	14:07:48	13213959,000	256,000	0,427	426,667	1536,000
09-02-2008	14:17:48	13214210,000	251,000	0,418	418,333	1506,000
09-02-2008	14:27:48	13214457,000	247,000	0,412	411,667	1482,000
09-02-2008	14:37:48	13214680,000	223,000	0,372	371,667	1338,000
09-02-2008	14:47:48	13214856,000	176,000	0,293	293,333	1056,000
09-02-2008	14:57:48	13215023,000	167,000	0,278	278,333	1002,000
09-02-2008	15:07:48	13215204,000	181,000	0,302	301,667	1086,000
09-02-2008	15:17:48	13215428,000	224,000	0,373	373,333	1344,000
09-02-2008	15:27:48	13215643,000	215,000	0,358	358,333	1290,000
09-02-2008	15:37:48	13215854,000	211,000	0,352	351,667	1266,000
09-02-2008	15:47:48	13216014,000	160,000	0,267	266,667	960,000
09-02-2008	15:57:48	13216180,000	166,000	0,277	276,667	996,000
09-02-2008	16:07:48	13216392,000	212,000	0,353	353,333	1272,000
09-02-2008	16:17:48	13216603,000	211,000	0,352	351,667	1266,000
09-02-2008	16:27:48	13216813,000	210,000	0,350	350,000	1260,000
09-02-2008	16:37:48	13217019,000	206,000	0,343	343,333	1236,000
09-02-2008	16:47:48	13217238,000	219,000	0,365	365,000	1314,000
09-02-2008	16:57:48	13217468,000	230,000	0,383	383,333	1380,000
09-02-2008	17:07:48	13217706,000	238,000	0,397	396,667	1428,000
09-02-2008	17:17:48	13217940,000	234,000	0,390	390,000	1404,000

09-02-2008	17:27:48	13218176,000	236,000	0,393	393,333	1416,000
09-02-2008	17:37:48	13218408,000	232,000	0,387	386,667	1392,000
09-02-2008	17:47:48	13218638,000	230,000	0,383	383,333	1380,000
09-02-2008	17:57:48	13218860,000	222,000	0,370	370,000	1332,000
09-02-2008	18:07:48	13219069,000	209,000	0,348	348,333	1254,000
09-02-2008	18:17:48	13219277,000	208,000	0,347	346,667	1248,000
09-02-2008	18:27:48	13219482,000	205,000	0,342	341,667	1230,000
09-02-2008	18:37:48	13219691,000	209,000	0,348	348,333	1254,000
09-02-2008	18:47:48	13219904,000	213,000	0,355	355,000	1278,000
09-02-2008	18:57:48	13220119,000	215,000	0,358	358,333	1290,000
09-02-2008	19:07:48	13220330,000	211,000	0,352	351,667	1266,000
09-02-2008	19:17:48	13220498,000	168,000	0,280	280,000	1008,000
09-02-2008	19:27:48	13220661,000	163,000	0,272	271,667	978,000
09-02-2008	19:37:49	13220823,000	162,000	0,270	270,000	972,000
09-02-2008	19:47:49	13221022,000	199,000	0,332	331,667	1194,000
09-02-2008	19:57:49	13221241,000	219,000	0,365	365,000	1314,000
09-02-2008	20:07:49	13221442,000	201,000	0,335	335,000	1206,000
09-02-2008	20:17:49	13221605,000	163,000	0,272	271,667	978,000
09-02-2008	20:27:49	13221776,000	171,000	0,285	285,000	1026,000
09-02-2008	20:37:49	13221980,000	204,000	0,340	340,000	1224,000
09-02-2008	20:47:49	13222218,000	238,000	0,397	396,667	1428,000
09-02-2008	20:57:49	13222459,000	241,000	0,402	401,667	1446,000
09-02-2008	21:07:49	13222696,000	237,000	0,395	395,000	1422,000
09-02-2008	21:17:49	13222933,000	237,000	0,395	395,000	1422,000
09-02-2008	21:27:49	13223168,000	235,000	0,392	391,667	1410,000
09-02-2008	21:37:49	13223400,000	232,000	0,387	386,667	1392,000
09-02-2008	21:47:49	13223609,000	209,000	0,348	348,333	1254,000
09-02-2008	21:57:49	13223793,000	184,000	0,307	306,667	1104,000
09-02-2008	22:07:49	13223951,000	158,000	0,263	263,333	948,000
09-02-2008	22:17:49	13224148,000	197,000	0,328	328,333	1182,000
09-02-2008	22:27:49	13224371,000	223,000	0,372	371,667	1338,000
09-02-2008	22:37:49	13224577,000	206,000	0,343	343,333	1236,000
09-02-2008	22:47:49	13224777,000	200,000	0,333	333,333	1200,000
09-02-2008	22:57:49	13224977,000	200,000	0,333	333,333	1200,000
09-02-2008	23:07:49	13225173,000	196,000	0,327	326,667	1176,000
09-02-2008	23:17:49	13225354,000	181,000	0,302	301,667	1086,000
09-02-2008	23:27:49	13225485,000	131,000	0,218	218,333	786,000
09-02-2008	23:37:49	13225609,000	124,000	0,207	206,667	744,000
09-02-2008	23:47:49	13225731,000	122,000	0,203	203,333	732,000
09-02-2008	23:57:49	13225855,000	124,000	0,207	206,667	744,000
10-02-2008	00:00:25	13225904,000	49,000	0,314	314,103	1130,769

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:25	13225904,000				
10-02-2008	00:07:49	13226045,000	141,000	0,318	317,568	1143,243
10-02-2008	00:17:49	13226237,000	192,000	0,320	320,000	1152,000
10-02-2008	00:27:49	13226360,000	123,000	0,205	205,000	738,000
10-02-2008	00:37:49	13226481,000	121,000	0,202	201,667	726,000
10-02-2008	00:47:49	13226604,000	123,000	0,205	205,000	738,000
10-02-2008	00:57:49	13226726,000	122,000	0,203	203,333	732,000
10-02-2008	01:07:50	13226846,000	120,000	0,200	200,000	720,000
10-02-2008	01:17:50	13226966,000	120,000	0,200	200,000	720,000
10-02-2008	01:27:50	13227097,000	131,000	0,218	218,333	786,000
10-02-2008	01:37:50	13227239,000	142,000	0,237	236,667	852,000
10-02-2008	01:47:50	13227460,000	221,000	0,368	368,333	1326,000
10-02-2008	01:57:50	13227675,000	215,000	0,358	358,333	1290,000
10-02-2008	02:07:50	13227822,000	147,000	0,245	245,000	882,000
10-02-2008	02:17:50	13227952,000	130,000	0,217	216,667	780,000
10-02-2008	02:27:50	13228052,000	100,000	0,167	166,667	600,000
10-02-2008	02:37:50	13228180,000	128,000	0,213	213,333	768,000
10-02-2008	02:47:50	13228351,000	171,000	0,285	285,000	1026,000
10-02-2008	02:57:50	13228519,000	168,000	0,280	280,000	1008,000
10-02-2008	03:07:50	13228689,000	170,000	0,283	283,333	1020,000
10-02-2008	03:17:50	13228859,000	170,000	0,283	283,333	1020,000
10-02-2008	03:27:51	13228952,000	93,000	0,155	155,000	558,000
10-02-2008	03:37:51	13229043,000	91,000	0,152	151,667	546,000
10-02-2008	03:47:51	13229132,000	89,000	0,148	148,333	534,000
10-02-2008	03:57:51	13229220,000	88,000	0,147	146,667	528,000
10-02-2008	04:07:51	13229308,000	88,000	0,147	146,667	528,000
10-02-2008	04:17:51	13229396,000	88,000	0,147	146,667	528,000
10-02-2008	04:27:51	13229483,000	87,000	0,145	145,000	522,000
10-02-2008	04:37:51	13229571,000	88,000	0,147	146,667	528,000
10-02-2008	04:47:51	13229658,000	87,000	0,145	145,000	522,000
10-02-2008	04:57:51	13229772,000	114,000	0,190	190,000	684,000
10-02-2008	05:07:51	13229934,000	162,000	0,270	270,000	972,000
10-02-2008	05:17:51	13230066,000	132,000	0,220	220,000	792,000
10-02-2008	05:27:51	13230153,000	87,000	0,145	145,000	522,000
10-02-2008	05:37:52	13230238,000	85,000	0,142	141,667	510,000
10-02-2008	05:47:52	13230323,000	85,000	0,142	141,667	510,000
10-02-2008	05:57:52	13230407,000	84,000	0,140	140,000	504,000
10-02-2008	06:07:52	13230488,000	81,000	0,135	135,000	486,000
10-02-2008	06:17:52	13230569,000	81,000	0,135	135,000	486,000
10-02-2008	06:27:52	13230647,000	78,000	0,130	130,000	468,000
10-02-2008	06:37:52	13230725,000	78,000	0,130	130,000	468,000
10-02-2008	06:47:52	13230800,000	75,000	0,125	125,000	450,000
10-02-2008	06:57:52	13230879,000	79,000	0,132	131,667	474,000
10-02-2008	07:07:52	13230962,000	83,000	0,138	138,333	498,000
10-02-2008	07:17:52	13231035,000	73,000	0,122	121,667	438,000
10-02-2008	07:27:52	13231122,000	87,000	0,145	145,000	522,000
10-02-2008	07:37:52	13231271,000	149,000	0,248	248,333	894,000
10-02-2008	07:47:52	13231391,000	120,000	0,200	200,000	720,000
10-02-2008	07:57:52	13231461,000	70,000	0,117	116,667	420,000
10-02-2008	08:07:52	13231531,000	70,000	0,117	116,667	420,000
10-02-2008	08:17:52	13231600,000	69,000	0,115	115,000	414,000

10-02-2008	08:27:52	13231670,000	70,000	0,117	116,667	420,000
10-02-2008	08:37:52	13231743,000	73,000	0,122	121,667	438,000
10-02-2008	08:47:52	13231815,000	72,000	0,120	120,000	432,000
10-02-2008	08:57:52	13231886,000	71,000	0,118	118,333	426,000
10-02-2008	09:07:52	13231970,000	84,000	0,140	140,000	504,000
10-02-2008	09:17:52	13232124,000	154,000	0,257	256,667	924,000
10-02-2008	09:27:52	13232279,000	155,000	0,258	258,333	930,000
10-02-2008	09:37:52	13232439,000	160,000	0,267	266,667	960,000
10-02-2008	09:47:52	13232602,000	163,000	0,272	271,667	978,000
10-02-2008	09:57:52	13232738,000	136,000	0,227	226,667	816,000
10-02-2008	10:07:52	13232875,000	137,000	0,228	228,333	822,000
10-02-2008	10:17:52	13233074,000	199,000	0,332	331,667	1194,000
10-02-2008	10:27:52	13233278,000	204,000	0,340	340,000	1224,000
10-02-2008	10:37:52	13233486,000	208,000	0,347	346,667	1248,000
10-02-2008	10:47:52	13233697,000	211,000	0,352	351,667	1266,000
10-02-2008	10:57:52	13233908,000	211,000	0,352	351,667	1266,000
10-02-2008	11:07:52	13234117,000	209,000	0,348	348,333	1254,000
10-02-2008	11:17:52	13234266,000	149,000	0,248	248,333	894,000
10-02-2008	11:27:52	13234404,000	138,000	0,230	230,000	828,000
10-02-2008	11:37:52	13234541,000	137,000	0,228	228,333	822,000
10-02-2008	11:47:52	13234726,000	185,000	0,308	308,333	1110,000
10-02-2008	11:57:53	13234916,000	190,000	0,317	316,667	1140,000
10-02-2008	12:07:53	13235099,000	183,000	0,305	305,000	1098,000
10-02-2008	12:17:53	13235244,000	145,000	0,242	241,667	870,000
10-02-2008	12:27:53	13235387,000	143,000	0,238	238,333	858,000
10-02-2008	12:37:53	13235595,000	208,000	0,347	346,667	1248,000
10-02-2008	12:47:53	13235885,000	290,000	0,483	483,333	1740,000
10-02-2008	12:57:53	13236217,000	332,000	0,553	553,333	1992,000
10-02-2008	13:07:53	13236562,000	345,000	0,575	575,000	2070,000
10-02-2008	13:17:53	13236888,000	326,000	0,543	543,333	1956,000
10-02-2008	13:27:53	13237141,000	253,000	0,422	421,667	1518,000
10-02-2008	13:37:53	13237397,000	256,000	0,427	426,667	1536,000
10-02-2008	13:47:53	13237652,000	255,000	0,425	425,000	1530,000
10-02-2008	13:57:53	13237908,000	256,000	0,427	426,667	1536,000
10-02-2008	14:07:53	13238166,000	258,000	0,430	430,000	1548,000
10-02-2008	14:17:53	13238392,000	226,000	0,377	376,667	1356,000
10-02-2008	14:27:53	13238616,000	224,000	0,373	373,333	1344,000
10-02-2008	14:37:53	13238840,000	224,000	0,373	373,333	1344,000
10-02-2008	14:47:53	13239067,000	227,000	0,378	378,333	1362,000
10-02-2008	14:57:53	13239290,000	223,000	0,372	371,667	1338,000
10-02-2008	15:07:53	13239510,000	220,000	0,367	366,667	1320,000
10-02-2008	15:17:53	13239688,000	178,000	0,297	296,667	1068,000
10-02-2008	15:27:53	13239854,000	166,000	0,277	276,667	996,000
10-02-2008	15:37:53	13240010,000	156,000	0,260	260,000	936,000
10-02-2008	15:47:53	13240188,000	178,000	0,297	296,667	1068,000
10-02-2008	15:57:53	13240393,000	205,000	0,342	341,667	1230,000
10-02-2008	16:07:53	13240575,000	182,000	0,303	303,333	1092,000
10-02-2008	16:17:53	13240717,000	142,000	0,237	236,667	852,000
10-02-2008	16:27:53	13240844,000	127,000	0,212	211,667	762,000
10-02-2008	16:37:53	13240962,000	118,000	0,197	196,667	708,000
10-02-2008	16:47:53	13241129,000	167,000	0,278	278,333	1002,000
10-02-2008	16:57:53	13241338,000	209,000	0,348	348,333	1254,000
10-02-2008	17:07:53	13241546,000	208,000	0,347	346,667	1248,000
10-02-2008	17:17:53	13241758,000	212,000	0,353	353,333	1272,000
10-02-2008	17:27:53	13241965,000	207,000	0,345	345,000	1242,000

10-02-2008	17:37:53	13242170,000	205,000	0,342	341,667	1230,000
10-02-2008	17:47:54	13242305,000	135,000	0,225	225,000	810,000
10-02-2008	17:57:54	13242423,000	118,000	0,197	196,667	708,000
10-02-2008	18:07:54	13242600,000	177,000	0,295	295,000	1062,000
10-02-2008	18:17:54	13242777,000	177,000	0,295	295,000	1062,000
10-02-2008	18:27:54	13242956,000	179,000	0,298	298,333	1074,000
10-02-2008	18:37:54	13243138,000	182,000	0,303	303,333	1092,000
10-02-2008	18:47:54	13243318,000	180,000	0,300	300,000	1080,000
10-02-2008	18:57:54	13243501,000	183,000	0,305	305,000	1098,000
10-02-2008	19:07:54	13243673,000	172,000	0,287	286,667	1032,000
10-02-2008	19:17:54	13243801,000	128,000	0,213	213,333	768,000
10-02-2008	19:27:54	13243922,000	121,000	0,202	201,667	726,000
10-02-2008	19:37:54	13244044,000	122,000	0,203	203,333	732,000
10-02-2008	19:47:54	13244185,000	141,000	0,235	235,000	846,000
10-02-2008	19:57:54	13244376,000	191,000	0,318	318,333	1146,000
10-02-2008	20:07:54	13244560,000	184,000	0,307	306,667	1104,000
10-02-2008	20:17:54	13244687,000	127,000	0,212	211,667	762,000
10-02-2008	20:27:54	13244811,000	124,000	0,207	206,667	744,000
10-02-2008	20:37:54	13244957,000	146,000	0,243	243,333	876,000
10-02-2008	20:47:54	13245146,000	189,000	0,315	315,000	1134,000
10-02-2008	20:57:54	13245355,000	209,000	0,348	348,333	1254,000
10-02-2008	21:07:54	13245566,000	211,000	0,352	351,667	1266,000
10-02-2008	21:17:54	13245783,000	217,000	0,362	361,667	1302,000
10-02-2008	21:27:54	13245997,000	214,000	0,357	356,667	1284,000
10-02-2008	21:37:54	13246210,000	213,000	0,355	355,000	1278,000
10-02-2008	21:47:54	13246380,000	170,000	0,283	283,333	1020,000
10-02-2008	21:57:54	13246525,000	145,000	0,242	241,667	870,000
10-02-2008	22:07:54	13246711,000	186,000	0,310	310,000	1116,000
10-02-2008	22:17:54	13246895,000	184,000	0,307	306,667	1104,000
10-02-2008	22:27:54	13247081,000	186,000	0,310	310,000	1116,000
10-02-2008	22:37:54	13247273,000	192,000	0,320	320,000	1152,000
10-02-2008	22:47:54	13247455,000	182,000	0,303	303,333	1092,000
10-02-2008	22:57:55	13247639,000	184,000	0,307	306,667	1104,000
10-02-2008	23:07:55	13247821,000	182,000	0,303	303,333	1092,000
10-02-2008	23:17:55	13247953,000	132,000	0,220	220,000	792,000
10-02-2008	23:27:55	13248075,000	122,000	0,203	203,333	732,000
10-02-2008	23:37:55	13248205,000	130,000	0,217	216,667	780,000
10-02-2008	23:47:55	13248334,000	129,000	0,215	215,000	774,000
10-02-2008	23:57:55	13248484,000	150,000	0,250	250,000	900,000
11-02-2008	00:00:13	13248527,000	43,000	0,312	311,594	1121,739

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	13248527,000				
11-02-2008	00:07:55	13248656,000	129,000	0,279	279,221	1005,195
11-02-2008	00:17:55	13248804,000	148,000	0,247	246,667	888,000
11-02-2008	00:27:55	13248903,000	99,000	0,165	165,000	594,000
11-02-2008	00:37:55	13249001,000	98,000	0,163	163,333	588,000
11-02-2008	00:47:55	13249093,000	92,000	0,153	153,333	552,000
11-02-2008	00:57:55	13249183,000	90,000	0,150	150,000	540,000
11-02-2008	01:07:55	13249271,000	88,000	0,147	146,667	528,000
11-02-2008	01:17:55	13249357,000	86,000	0,143	143,333	516,000
11-02-2008	01:27:55	13249445,000	88,000	0,147	146,667	528,000
11-02-2008	01:37:55	13249535,000	90,000	0,150	150,000	540,000
11-02-2008	01:47:55	13249688,000	153,000	0,255	255,000	918,000
11-02-2008	01:57:55	13249833,000	145,000	0,242	241,667	870,000
11-02-2008	02:07:55	13249909,000	76,000	0,127	126,667	456,000
11-02-2008	02:17:55	13249982,000	73,000	0,122	121,667	438,000
11-02-2008	02:27:55	13250055,000	73,000	0,122	121,667	438,000
11-02-2008	02:37:55	13250127,000	72,000	0,120	120,000	432,000
11-02-2008	02:47:55	13250197,000	70,000	0,117	116,667	420,000
11-02-2008	02:57:55	13250268,000	71,000	0,118	118,333	426,000
11-02-2008	03:07:55	13250338,000	70,000	0,117	116,667	420,000
11-02-2008	03:17:55	13250408,000	70,000	0,117	116,667	420,000
11-02-2008	03:27:55	13250480,000	72,000	0,120	120,000	432,000
11-02-2008	03:37:55	13250550,000	70,000	0,117	116,667	420,000
11-02-2008	03:47:55	13250639,000	89,000	0,148	148,333	534,000
11-02-2008	03:57:55	13250781,000	142,000	0,237	236,667	852,000
11-02-2008	04:07:55	13250924,000	143,000	0,238	238,333	858,000
11-02-2008	04:17:55	13251066,000	142,000	0,237	236,667	852,000
11-02-2008	04:27:55	13251210,000	144,000	0,240	240,000	864,000
11-02-2008	04:37:55	13251286,000	76,000	0,127	126,667	456,000
11-02-2008	04:47:55	13251353,000	67,000	0,112	111,667	402,000
11-02-2008	04:57:56	13251418,000	65,000	0,108	108,333	390,000
11-02-2008	05:07:56	13251516,000	98,000	0,163	163,333	588,000
11-02-2008	05:17:56	13251656,000	140,000	0,233	233,333	840,000
11-02-2008	05:27:56	13251758,000	102,000	0,170	170,000	612,000
11-02-2008	05:37:56	13251823,000	65,000	0,108	108,333	390,000
11-02-2008	05:47:56	13251888,000	65,000	0,108	108,333	390,000
11-02-2008	05:57:56	13251953,000	65,000	0,108	108,333	390,000
11-02-2008	06:07:56	13252018,000	65,000	0,108	108,333	390,000
11-02-2008	06:17:56	13252083,000	65,000	0,108	108,333	390,000
11-02-2008	06:27:56	13252148,000	65,000	0,108	108,333	390,000
11-02-2008	06:37:56	13252213,000	65,000	0,108	108,333	390,000
11-02-2008	06:47:56	13252278,000	65,000	0,108	108,333	390,000
11-02-2008	06:57:56	13252350,000	72,000	0,120	120,000	432,000
11-02-2008	07:07:56	13252438,000	88,000	0,147	146,667	528,000
11-02-2008	07:17:56	13252531,000	93,000	0,155	155,000	558,000
11-02-2008	07:27:56	13252671,000	140,000	0,233	233,333	840,000
11-02-2008	07:37:56	13252848,000	177,000	0,295	295,000	1062,000
11-02-2008	07:47:56	13252998,000	150,000	0,250	250,000	900,000
11-02-2008	07:57:56	13253125,000	127,000	0,212	211,667	762,000
11-02-2008	08:07:56	13253246,000	121,000	0,202	201,667	726,000
11-02-2008	08:17:56	13253346,000	100,000	0,167	166,667	600,000

11-02-2008	08:27:56	13253514,000	168,000	0,280	280,000	1008,000
11-02-2008	08:37:56	13253683,000	169,000	0,282	281,667	1014,000
11-02-2008	08:47:56	13253852,000	169,000	0,282	281,667	1014,000
11-02-2008	08:57:56	13254022,000	170,000	0,283	283,333	1020,000
11-02-2008	09:07:56	13254192,000	170,000	0,283	283,333	1020,000
11-02-2008	09:17:56	13254354,000	162,000	0,270	270,000	972,000
11-02-2008	09:27:56	13254485,000	131,000	0,218	218,333	786,000
11-02-2008	09:37:56	13254639,000	154,000	0,257	256,667	924,000
11-02-2008	09:47:56	13254826,000	187,000	0,312	311,667	1122,000
11-02-2008	09:57:56	13255009,000	183,000	0,305	305,000	1098,000
11-02-2008	10:07:56	13255194,000	185,000	0,308	308,333	1110,000
11-02-2008	10:17:56	13255383,000	189,000	0,315	315,000	1134,000
11-02-2008	10:27:56	13255559,000	176,000	0,293	293,333	1056,000
11-02-2008	10:37:56	13255706,000	147,000	0,245	245,000	882,000
11-02-2008	10:47:56	13255849,000	143,000	0,238	238,333	858,000
11-02-2008	10:57:56	13255993,000	144,000	0,240	240,000	864,000
11-02-2008	11:07:56	13256198,000	205,000	0,342	341,667	1230,000
11-02-2008	11:17:56	13256421,000	223,000	0,372	371,667	1338,000
11-02-2008	11:27:56	13256614,000	193,000	0,322	321,667	1158,000
11-02-2008	11:37:56	13256774,000	160,000	0,267	266,667	960,000
11-02-2008	11:47:57	13256913,000	139,000	0,232	231,667	834,000
11-02-2008	11:57:57	13257060,000	147,000	0,245	245,000	882,000
11-02-2008	12:07:57	13257274,000	214,000	0,357	356,667	1284,000
11-02-2008	12:17:57	13257489,000	215,000	0,358	358,333	1290,000
11-02-2008	12:27:57	13257706,000	217,000	0,362	361,667	1302,000
11-02-2008	12:37:57	13257926,000	220,000	0,367	366,667	1320,000
11-02-2008	12:47:57	13258152,000	226,000	0,377	376,667	1356,000
11-02-2008	12:57:57	13258376,000	224,000	0,373	373,333	1344,000
11-02-2008	13:07:57	13258605,000	229,000	0,382	381,667	1374,000
11-02-2008	13:17:57	13258835,000	230,000	0,383	383,333	1380,000
11-02-2008	13:27:57	13259063,000	228,000	0,380	380,000	1368,000
11-02-2008	13:37:57	13259295,000	232,000	0,387	386,667	1392,000
11-02-2008	13:47:57	13259511,000	216,000	0,360	360,000	1296,000
11-02-2008	13:57:57	13259695,000	184,000	0,307	306,667	1104,000
11-02-2008	14:07:57	13259884,000	189,000	0,315	315,000	1134,000
11-02-2008	14:17:57	13260116,000	232,000	0,387	386,667	1392,000
11-02-2008	14:27:57	13260377,000	261,000	0,435	435,000	1566,000
11-02-2008	14:37:57	13260617,000	240,000	0,400	400,000	1440,000
11-02-2008	14:47:57	13260811,000	194,000	0,323	323,333	1164,000
11-02-2008	14:57:57	13260992,000	181,000	0,302	301,667	1086,000
11-02-2008	15:07:57	13261171,000	179,000	0,298	298,333	1074,000
11-02-2008	15:17:57	13261381,000	210,000	0,350	350,000	1260,000
11-02-2008	15:27:57	13261608,000	227,000	0,378	378,333	1362,000
11-02-2008	15:37:57	13261834,000	226,000	0,377	376,667	1356,000
11-02-2008	15:47:57	13262057,000	223,000	0,372	371,667	1338,000
11-02-2008	15:57:57	13262279,000	222,000	0,370	370,000	1332,000
11-02-2008	16:07:57	13262499,000	220,000	0,367	366,667	1320,000
11-02-2008	16:17:57	13262667,000	168,000	0,280	280,000	1008,000
11-02-2008	16:27:57	13262811,000	144,000	0,240	240,000	864,000
11-02-2008	16:37:57	13263008,000	197,000	0,328	328,333	1182,000
11-02-2008	16:47:57	13263214,000	206,000	0,343	343,333	1236,000
11-02-2008	16:57:57	13263421,000	207,000	0,345	345,000	1242,000
11-02-2008	17:07:57	13263626,000	205,000	0,342	341,667	1230,000
11-02-2008	17:17:57	13263833,000	207,000	0,345	345,000	1242,000
11-02-2008	17:27:57	13264037,000	204,000	0,340	340,000	1224,000

11-02-2008	17:37:57	13264234,000	197,000	0,328	328,333	1182,000
11-02-2008	17:47:57	13264373,000	139,000	0,232	231,667	834,000
11-02-2008	17:57:57	13264515,000	142,000	0,237	236,667	852,000
11-02-2008	18:07:57	13264714,000	199,000	0,332	331,667	1194,000
11-02-2008	18:17:58	13264916,000	202,000	0,337	336,667	1212,000
11-02-2008	18:27:58	13265084,000	168,000	0,280	280,000	1008,000
11-02-2008	18:37:58	13265229,000	145,000	0,242	241,667	870,000
11-02-2008	18:50:08	13265384,000	155,000	0,212	212,329	764,384
11-02-2008	19:00:08	13265508,000	124,000	0,207	206,667	744,000
11-02-2008	19:10:08	13265635,000	127,000	0,212	211,667	762,000
11-02-2008	19:20:08	13265788,000	153,000	0,255	255,000	918,000
11-02-2008	19:30:08	13265996,000	208,000	0,347	346,667	1248,000
11-02-2008	19:40:35	13266223,000	227,000	0,378	378,333	1362,000
11-02-2008	19:51:37	13266464,000	241,000	0,364	364,048	1310,574
11-02-2008	20:01:37	13266684,000	220,000	0,367	366,667	1320,000
11-02-2008	20:11:37	13266904,000	220,000	0,367	366,667	1320,000
11-02-2008	20:21:37	13267120,000	216,000	0,360	360,000	1296,000
11-02-2008	20:31:37	13267291,000	171,000	0,285	285,000	1026,000
11-02-2008	20:41:37	13267445,000	154,000	0,257	256,667	924,000
11-02-2008	20:51:37	13267641,000	196,000	0,327	326,667	1176,000
11-02-2008	21:01:37	13267838,000	197,000	0,328	328,333	1182,000
11-02-2008	21:11:37	13268039,000	201,000	0,335	335,000	1206,000
11-02-2008	21:21:37	13268239,000	200,000	0,333	333,333	1200,000
11-02-2008	21:31:37	13268441,000	202,000	0,337	336,667	1212,000
11-02-2008	21:41:37	13268655,000	214,000	0,357	356,667	1284,000
11-02-2008	21:51:37	13268865,000	210,000	0,350	350,000	1260,000
11-02-2008	22:01:37	13269077,000	212,000	0,353	353,333	1272,000
11-02-2008	22:11:37	13269287,000	210,000	0,350	350,000	1260,000
11-02-2008	22:21:37	13269498,000	211,000	0,352	351,667	1266,000
11-02-2008	22:31:37	13269709,000	211,000	0,352	351,667	1266,000
11-02-2008	22:41:37	13269923,000	214,000	0,357	356,667	1284,000
11-02-2008	22:51:37	13270114,000	191,000	0,318	318,333	1146,000
11-02-2008	23:01:37	13270276,000	162,000	0,270	270,000	972,000
11-02-2008	23:11:38	13270446,000	170,000	0,283	283,333	1020,000
11-02-2008	23:21:38	13270616,000	170,000	0,283	283,333	1020,000
11-02-2008	23:31:38	13270769,000	153,000	0,255	255,000	918,000
11-02-2008	23:41:38	13270971,000	202,000	0,337	336,667	1212,000
11-02-2008	23:51:38	13271184,000	213,000	0,355	355,000	1278,000
12-02-2008	00:00:04	13271327,000	143,000	0,283	282,609	1017,391

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	13271327,000				
12-02-2008	00:01:38	13271345,000	18,000	0,191	191,489	689,362
12-02-2008	00:11:38	13271472,000	127,000	0,212	211,667	762,000
12-02-2008	00:21:38	13271589,000	117,000	0,195	195,000	702,000
12-02-2008	00:31:38	13271700,000	111,000	0,185	185,000	666,000
12-02-2008	00:41:38	13271805,000	105,000	0,175	175,000	630,000
12-02-2008	00:51:38	13271909,000	104,000	0,173	173,333	624,000
12-02-2008	01:01:38	13272013,000	104,000	0,173	173,333	624,000
12-02-2008	01:11:38	13272114,000	101,000	0,168	168,333	606,000
12-02-2008	01:21:38	13272255,000	141,000	0,235	235,000	846,000
12-02-2008	01:31:38	13272427,000	172,000	0,287	286,667	1032,000
12-02-2008	01:41:38	13272552,000	125,000	0,208	208,333	750,000
12-02-2008	01:51:38	13272646,000	94,000	0,157	156,667	564,000
12-02-2008	02:01:38	13272739,000	93,000	0,155	155,000	558,000
12-02-2008	02:11:38	13272843,000	104,000	0,173	173,333	624,000
12-02-2008	02:21:38	13273012,000	169,000	0,282	281,667	1014,000
12-02-2008	02:31:38	13273179,000	167,000	0,278	278,333	1002,000
12-02-2008	02:41:38	13273350,000	171,000	0,285	285,000	1026,000
12-02-2008	02:51:38	13273516,000	166,000	0,277	276,667	996,000
12-02-2008	03:01:38	13273609,000	93,000	0,155	155,000	558,000
12-02-2008	03:11:38	13273701,000	92,000	0,153	153,333	552,000
12-02-2008	03:21:38	13273792,000	91,000	0,152	151,667	546,000
12-02-2008	03:31:38	13273879,000	87,000	0,145	145,000	522,000
12-02-2008	03:41:38	13273963,000	84,000	0,140	140,000	504,000
12-02-2008	03:51:38	13274045,000	82,000	0,137	136,667	492,000
12-02-2008	04:01:38	13274124,000	79,000	0,132	131,667	474,000
12-02-2008	04:11:38	13274201,000	77,000	0,128	128,333	462,000
12-02-2008	04:21:38	13274284,000	83,000	0,138	138,333	498,000
12-02-2008	04:31:38	13274436,000	152,000	0,253	253,333	912,000
12-02-2008	04:41:39	13274574,000	138,000	0,230	230,000	828,000
12-02-2008	04:51:39	13274648,000	74,000	0,123	123,333	444,000
12-02-2008	05:01:39	13274720,000	72,000	0,120	120,000	432,000
12-02-2008	05:11:39	13274792,000	72,000	0,120	120,000	432,000
12-02-2008	05:21:39	13274870,000	78,000	0,130	130,000	468,000
12-02-2008	05:31:39	13274945,000	75,000	0,125	125,000	450,000
12-02-2008	05:41:39	13275015,000	70,000	0,117	116,667	420,000
12-02-2008	05:51:39	13275085,000	70,000	0,117	116,667	420,000
12-02-2008	06:01:39	13275154,000	69,000	0,115	115,000	414,000
12-02-2008	06:11:39	13275223,000	69,000	0,115	115,000	414,000
12-02-2008	06:21:39	13275292,000	69,000	0,115	115,000	414,000
12-02-2008	06:31:39	13275361,000	69,000	0,115	115,000	414,000
12-02-2008	06:41:39	13275436,000	75,000	0,125	125,000	450,000
12-02-2008	06:51:39	13275513,000	77,000	0,128	128,333	462,000
12-02-2008	07:01:39	13275664,000	151,000	0,252	251,667	906,000
12-02-2008	07:11:39	13275803,000	139,000	0,232	231,667	834,000
12-02-2008	07:21:39	13275877,000	74,000	0,123	123,333	444,000
12-02-2008	07:31:39	13275951,000	74,000	0,123	123,333	444,000
12-02-2008	07:41:39	13276050,000	99,000	0,165	165,000	594,000
12-02-2008	07:51:39	13276175,000	125,000	0,208	208,333	750,000
12-02-2008	08:01:39	13276353,000	178,000	0,297	296,667	1068,000

12-02-2008	08:11:39	13276548,000	195,000	0,325	325,000	1170,000
12-02-2008	08:21:39	13276742,000	194,000	0,323	323,333	1164,000
12-02-2008	08:31:39	13276937,000	195,000	0,325	325,000	1170,000
12-02-2008	08:41:40	13277133,000	196,000	0,327	326,667	1176,000
12-02-2008	08:51:40	13277338,000	205,000	0,342	341,667	1230,000
12-02-2008	09:01:40	13277486,000	148,000	0,247	246,667	888,000
12-02-2008	09:11:40	13277610,000	124,000	0,207	206,667	744,000
12-02-2008	09:21:40	13277769,000	159,000	0,265	265,000	954,000
12-02-2008	09:31:40	13277950,000	181,000	0,302	301,667	1086,000
12-02-2008	09:41:40	13278127,000	177,000	0,295	295,000	1062,000
12-02-2008	09:51:40	13278303,000	176,000	0,293	293,333	1056,000
12-02-2008	10:01:40	13278478,000	175,000	0,292	291,667	1050,000
12-02-2008	10:11:40	13278601,000	123,000	0,205	205,000	738,000
12-02-2008	10:21:40	13278708,000	107,000	0,178	178,333	642,000
12-02-2008	10:31:40	13278813,000	105,000	0,175	175,000	630,000
12-02-2008	10:41:40	13278920,000	107,000	0,178	178,333	642,000
12-02-2008	10:51:40	13279059,000	139,000	0,232	231,667	834,000
12-02-2008	11:01:40	13279236,000	177,000	0,295	295,000	1062,000
12-02-2008	11:11:40	13279396,000	160,000	0,267	266,667	960,000
12-02-2008	11:21:40	13279515,000	119,000	0,198	198,333	714,000
12-02-2008	11:31:40	13279632,000	117,000	0,195	195,000	702,000
12-02-2008	11:41:40	13279791,000	159,000	0,265	265,000	954,000
12-02-2008	11:51:40	13279986,000	195,000	0,325	325,000	1170,000
12-02-2008	12:01:40	13280200,000	214,000	0,357	356,667	1284,000
12-02-2008	12:11:40	13280421,000	221,000	0,368	368,333	1326,000
12-02-2008	12:21:40	13280650,000	229,000	0,382	381,667	1374,000
12-02-2008	12:31:40	13280890,000	240,000	0,400	400,000	1440,000
12-02-2008	12:41:40	13281126,000	236,000	0,393	393,333	1416,000
12-02-2008	12:51:40	13281359,000	233,000	0,388	388,333	1398,000
12-02-2008	13:01:40	13281580,000	221,000	0,368	368,333	1326,000
12-02-2008	13:11:40	13281783,000	203,000	0,338	338,333	1218,000
12-02-2008	13:21:40	13282021,000	238,000	0,397	396,667	1428,000
12-02-2008	13:31:40	13282264,000	243,000	0,405	405,000	1458,000
12-02-2008	13:41:40	13282503,000	239,000	0,398	398,333	1434,000
12-02-2008	13:51:40	13282735,000	232,000	0,387	386,667	1392,000
12-02-2008	14:01:40	13282908,000	173,000	0,288	288,333	1038,000
12-02-2008	14:11:40	13283122,000	214,000	0,357	356,667	1284,000
12-02-2008	14:21:40	13283315,000	193,000	0,322	321,667	1158,000
12-02-2008	14:31:40	13283462,000	147,000	0,245	245,000	882,000
12-02-2008	14:41:40	13283601,000	139,000	0,232	231,667	834,000
12-02-2008	14:51:41	13283738,000	137,000	0,228	228,333	822,000
12-02-2008	15:01:41	13283915,000	177,000	0,295	295,000	1062,000
12-02-2008	15:11:41	13284123,000	208,000	0,347	346,667	1248,000
12-02-2008	15:21:41	13284328,000	205,000	0,342	341,667	1230,000
12-02-2008	15:31:41	13284534,000	206,000	0,343	343,333	1236,000
12-02-2008	15:41:41	13284740,000	206,000	0,343	343,333	1236,000
12-02-2008	15:51:41	13284944,000	204,000	0,340	340,000	1224,000
12-02-2008	16:01:41	13285113,000	169,000	0,282	281,667	1014,000
12-02-2008	16:11:41	13285276,000	163,000	0,272	271,667	978,000
12-02-2008	16:21:41	13285472,000	196,000	0,327	326,667	1176,000
12-02-2008	16:31:41	13285687,000	215,000	0,358	358,333	1290,000
12-02-2008	16:41:41	13285900,000	213,000	0,355	355,000	1278,000
12-02-2008	16:51:41	13286112,000	212,000	0,353	353,333	1272,000
12-02-2008	17:01:41	13286324,000	212,000	0,353	353,333	1272,000
12-02-2008	17:11:41	13286522,000	198,000	0,330	330,000	1188,000

12-02-2008	17:21:41	13286705,000	183,000	0,305	305,000	1098,000
12-02-2008	17:31:41	13286864,000	159,000	0,265	265,000	954,000
12-02-2008	17:41:41	13286993,000	129,000	0,215	215,000	774,000
12-02-2008	17:51:41	13287151,000	158,000	0,263	263,333	948,000
12-02-2008	18:01:41	13287338,000	187,000	0,312	311,667	1122,000
12-02-2008	18:11:41	13287531,000	193,000	0,322	321,667	1158,000
12-02-2008	18:21:41	13287687,000	156,000	0,260	260,000	936,000
12-02-2008	18:31:41	13287824,000	137,000	0,228	228,333	822,000
12-02-2008	18:41:41	13287956,000	132,000	0,220	220,000	792,000
12-02-2008	18:51:41	13288074,000	118,000	0,197	196,667	708,000
12-02-2008	19:01:41	13288193,000	119,000	0,198	198,333	714,000
12-02-2008	19:11:41	13288323,000	130,000	0,217	216,667	780,000
12-02-2008	19:21:41	13288506,000	183,000	0,305	305,000	1098,000
12-02-2008	19:31:41	13288688,000	182,000	0,303	303,333	1092,000
12-02-2008	19:41:41	13288875,000	187,000	0,312	311,667	1122,000
12-02-2008	19:51:41	13289062,000	187,000	0,312	311,667	1122,000
12-02-2008	20:01:41	13289256,000	194,000	0,323	323,333	1164,000
12-02-2008	20:11:41	13289461,000	205,000	0,342	341,667	1230,000
12-02-2008	20:21:41	13289679,000	218,000	0,363	363,333	1308,000
12-02-2008	20:31:41	13289851,000	172,000	0,287	286,667	1032,000
12-02-2008	20:41:41	13290015,000	164,000	0,273	273,333	984,000
12-02-2008	20:51:41	13290236,000	221,000	0,368	368,333	1326,000
12-02-2008	21:01:41	13290460,000	224,000	0,373	373,333	1344,000
12-02-2008	21:11:41	13290688,000	228,000	0,380	380,000	1368,000
12-02-2008	21:21:41	13290916,000	228,000	0,380	380,000	1368,000
12-02-2008	21:31:42	13291121,000	205,000	0,342	341,667	1230,000
12-02-2008	21:41:42	13291327,000	206,000	0,343	343,333	1236,000
12-02-2008	21:51:42	13291537,000	210,000	0,350	350,000	1260,000
12-02-2008	22:01:42	13291744,000	207,000	0,345	345,000	1242,000
12-02-2008	22:11:42	13291952,000	208,000	0,347	346,667	1248,000
12-02-2008	22:21:42	13292170,000	218,000	0,363	363,333	1308,000
12-02-2008	22:31:42	13292393,000	223,000	0,372	371,667	1338,000
12-02-2008	22:41:42	13292606,000	213,000	0,355	355,000	1278,000
12-02-2008	22:51:42	13292816,000	210,000	0,350	350,000	1260,000
12-02-2008	23:01:42	13292964,000	148,000	0,247	246,667	888,000
12-02-2008	23:11:42	13293105,000	141,000	0,235	235,000	846,000
12-02-2008	23:21:42	13293239,000	134,000	0,223	223,333	804,000
12-02-2008	23:31:42	13293361,000	122,000	0,203	203,333	732,000
12-02-2008	23:41:42	13293514,000	153,000	0,255	255,000	918,000
12-02-2008	23:51:42	13293705,000	191,000	0,318	318,333	1146,000
13-02-2008	00:00:24	13293850,000	145,000	0,278	277,778	1000,000

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	13293850,000				
13-02-2008	00:01:42	13293865,000	15,000	0,192	192,308	692,308
13-02-2008	00:11:42	13293984,000	119,000	0,198	198,333	714,000
13-02-2008	00:21:42	13294099,000	115,000	0,192	191,667	690,000
13-02-2008	00:31:42	13294208,000	109,000	0,182	181,667	654,000
13-02-2008	00:41:42	13294312,000	104,000	0,173	173,333	624,000
13-02-2008	00:51:42	13294426,000	114,000	0,190	190,000	684,000
13-02-2008	01:01:42	13294548,000	122,000	0,203	203,333	732,000
13-02-2008	01:11:42	13294675,000	127,000	0,212	211,667	762,000
13-02-2008	01:21:42	13294852,000	177,000	0,295	295,000	1062,000
13-02-2008	01:31:42	13295054,000	202,000	0,337	336,667	1212,000
13-02-2008	01:41:42	13295200,000	146,000	0,243	243,333	876,000
13-02-2008	01:51:42	13295295,000	95,000	0,158	158,333	570,000
13-02-2008	02:01:42	13295392,000	97,000	0,162	161,667	582,000
13-02-2008	02:11:42	13295490,000	98,000	0,163	163,333	588,000
13-02-2008	02:21:42	13295660,000	170,000	0,283	283,333	1020,000
13-02-2008	02:31:42	13295830,000	170,000	0,283	283,333	1020,000
13-02-2008	02:41:42	13295999,000	169,000	0,282	281,667	1014,000
13-02-2008	02:51:42	13296166,000	167,000	0,278	278,333	1002,000
13-02-2008	03:01:42	13296280,000	114,000	0,190	190,000	684,000
13-02-2008	03:11:42	13296372,000	92,000	0,153	153,333	552,000
13-02-2008	03:21:42	13296464,000	92,000	0,153	153,333	552,000
13-02-2008	03:31:42	13296561,000	97,000	0,162	161,667	582,000
13-02-2008	03:41:42	13296657,000	96,000	0,160	160,000	576,000
13-02-2008	03:51:42	13296747,000	90,000	0,150	150,000	540,000
13-02-2008	04:01:42	13296839,000	92,000	0,153	153,333	552,000
13-02-2008	04:11:42	13296930,000	91,000	0,152	151,667	546,000
13-02-2008	04:21:42	13297057,000	127,000	0,212	211,667	762,000
13-02-2008	04:31:42	13297221,000	164,000	0,273	273,333	984,000
13-02-2008	04:41:43	13297337,000	116,000	0,193	193,333	696,000
13-02-2008	04:51:43	13297422,000	85,000	0,142	141,667	510,000
13-02-2008	05:01:43	13297507,000	85,000	0,142	141,667	510,000
13-02-2008	05:11:43	13297592,000	85,000	0,142	141,667	510,000
13-02-2008	05:21:43	13297674,000	82,000	0,137	136,667	492,000
13-02-2008	05:31:43	13297754,000	80,000	0,133	133,333	480,000
13-02-2008	05:41:43	13297831,000	77,000	0,128	128,333	462,000
13-02-2008	05:51:43	13297907,000	76,000	0,127	126,667	456,000
13-02-2008	06:01:43	13297979,000	72,000	0,120	120,000	432,000
13-02-2008	06:11:43	13298050,000	71,000	0,118	118,333	426,000
13-02-2008	06:21:43	13298123,000	73,000	0,122	121,667	438,000
13-02-2008	06:31:43	13298193,000	70,000	0,117	116,667	420,000
13-02-2008	06:41:43	13298262,000	69,000	0,115	115,000	414,000
13-02-2008	06:51:43	13298392,000	130,000	0,217	216,667	780,000
13-02-2008	07:01:43	13298545,000	153,000	0,255	255,000	918,000
13-02-2008	07:11:43	13298627,000	82,000	0,137	136,667	492,000
13-02-2008	07:21:43	13298696,000	69,000	0,115	115,000	414,000
13-02-2008	07:31:43	13298782,000	86,000	0,143	143,333	516,000
13-02-2008	07:41:43	13298878,000	96,000	0,160	160,000	576,000
13-02-2008	07:51:43	13298982,000	104,000	0,173	173,333	624,000
13-02-2008	08:01:43	13299142,000	160,000	0,267	266,667	960,000
13-02-2008	08:11:43	13299302,000	160,000	0,267	266,667	960,000

13-02-2008	08:21:43	13299461,000	159,000	0,265	265,000	954,000
13-02-2008	08:31:43	13299622,000	161,000	0,268	268,333	966,000
13-02-2008	08:41:43	13299805,000	183,000	0,305	305,000	1098,000
13-02-2008	08:51:44	13300006,000	201,000	0,335	335,000	1206,000
13-02-2008	09:01:44	13300153,000	147,000	0,245	245,000	882,000
13-02-2008	09:11:44	13300301,000	148,000	0,247	246,667	888,000
13-02-2008	09:21:44	13300507,000	206,000	0,343	343,333	1236,000
13-02-2008	09:31:44	13300714,000	207,000	0,345	345,000	1242,000
13-02-2008	09:41:44	13300924,000	210,000	0,350	350,000	1260,000
13-02-2008	09:51:44	13301114,000	190,000	0,317	316,667	1140,000
13-02-2008	10:01:44	13301291,000	177,000	0,295	295,000	1062,000
13-02-2008	10:11:44	13301449,000	158,000	0,263	263,333	948,000
13-02-2008	10:21:44	13301567,000	118,000	0,197	196,667	708,000
13-02-2008	10:31:44	13301669,000	102,000	0,170	170,000	612,000
13-02-2008	10:41:44	13301753,000	84,000	0,140	140,000	504,000
13-02-2008	10:51:44	13301856,000	103,000	0,172	171,667	618,000
13-02-2008	11:01:44	13302006,000	150,000	0,250	250,000	900,000
13-02-2008	11:11:44	13302142,000	136,000	0,227	226,667	816,000
13-02-2008	11:21:44	13302241,000	99,000	0,165	165,000	594,000
13-02-2008	11:31:44	13302335,000	94,000	0,157	156,667	564,000
13-02-2008	11:41:44	13302428,000	93,000	0,155	155,000	558,000
13-02-2008	11:51:44	13302553,000	125,000	0,208	208,333	750,000
13-02-2008	12:01:44	13302714,000	161,000	0,268	268,333	966,000
13-02-2008	12:11:44	13302884,000	170,000	0,283	283,333	1020,000
13-02-2008	12:22:04	13303060,000	176,000	0,284	283,871	1021,935
13-02-2008	12:32:49	13303266,000	206,000	0,343	343,333	1236,000
13-02-2008	12:42:49	13303467,000	201,000	0,335	335,000	1206,000
13-02-2008	12:52:49	13303668,000	201,000	0,335	335,000	1206,000
13-02-2008	13:02:49	13303872,000	204,000	0,340	340,000	1224,000
13-02-2008	13:12:49	13304071,000	199,000	0,332	331,667	1194,000
13-02-2008	13:22:49	13304218,000	147,000	0,245	245,000	882,000
13-02-2008	13:32:49	13304384,000	166,000	0,277	276,667	996,000
13-02-2008	13:42:49	13304569,000	185,000	0,308	308,333	1110,000
13-02-2008	13:52:49	13304743,000	174,000	0,290	290,000	1044,000
13-02-2008	14:02:49	13304901,000	158,000	0,263	263,333	948,000
13-02-2008	14:12:49	13305032,000	131,000	0,218	218,333	786,000
13-02-2008	14:22:49	13305156,000	124,000	0,207	206,667	744,000
13-02-2008	14:32:49	13305278,000	122,000	0,203	203,333	732,000
13-02-2008	14:42:49	13305433,000	155,000	0,258	258,333	930,000
13-02-2008	14:52:49	13305621,000	188,000	0,313	313,333	1128,000
13-02-2008	15:02:49	13305810,000	189,000	0,315	315,000	1134,000
13-02-2008	15:12:49	13305976,000	166,000	0,277	276,667	996,000
13-02-2008	15:22:49	13306120,000	144,000	0,240	240,000	864,000
13-02-2008	15:32:50	13306279,000	159,000	0,265	265,000	954,000
13-02-2008	15:42:50	13306489,000	210,000	0,350	350,000	1260,000
13-02-2008	15:52:50	13306697,000	208,000	0,347	346,667	1248,000
13-02-2008	16:02:50	13306904,000	207,000	0,345	345,000	1242,000
13-02-2008	16:12:50	13307110,000	206,000	0,343	343,333	1236,000
13-02-2008	16:22:50	13307310,000	200,000	0,333	333,333	1200,000
13-02-2008	16:32:50	13307512,000	202,000	0,337	336,667	1212,000
13-02-2008	16:42:50	13307677,000	165,000	0,275	275,000	990,000
13-02-2008	16:52:50	13307843,000	166,000	0,277	276,667	996,000
13-02-2008	17:02:50	13308076,000	233,000	0,388	388,333	1398,000
13-02-2008	17:12:50	13308314,000	238,000	0,397	396,667	1428,000
13-02-2008	17:22:50	13308546,000	232,000	0,387	386,667	1392,000

13-02-2008	17:32:50	13308780,000	234,000	0,390	390,000	1404,000
13-02-2008	17:42:50	13308996,000	216,000	0,360	360,000	1296,000
13-02-2008	17:52:50	13309196,000	200,000	0,333	333,333	1200,000
13-02-2008	18:02:50	13309325,000	129,000	0,215	215,000	774,000
13-02-2008	18:12:50	13309439,000	114,000	0,190	190,000	684,000
13-02-2008	18:22:50	13309551,000	112,000	0,187	186,667	672,000
13-02-2008	18:32:50	13309663,000	112,000	0,187	186,667	672,000
13-02-2008	18:42:50	13309797,000	134,000	0,223	223,333	804,000
13-02-2008	18:52:50	13309972,000	175,000	0,292	291,667	1050,000
13-02-2008	19:02:50	13310123,000	151,000	0,252	251,667	906,000
13-02-2008	19:12:50	13310234,000	111,000	0,185	185,000	666,000
13-02-2008	19:22:50	13310345,000	111,000	0,185	185,000	666,000
13-02-2008	19:32:50	13310541,000	196,000	0,327	326,667	1176,000
13-02-2008	19:42:50	13310740,000	199,000	0,332	331,667	1194,000
13-02-2008	19:52:50	13310942,000	202,000	0,337	336,667	1212,000
13-02-2008	20:02:50	13311143,000	201,000	0,335	335,000	1206,000
13-02-2008	20:12:50	13311352,000	209,000	0,348	348,333	1254,000
13-02-2008	20:22:50	13311568,000	216,000	0,360	360,000	1296,000
13-02-2008	20:32:50	13311783,000	215,000	0,358	358,333	1290,000
13-02-2008	20:42:50	13311976,000	193,000	0,322	321,667	1158,000
13-02-2008	20:52:50	13312167,000	191,000	0,318	318,333	1146,000
13-02-2008	21:02:50	13312377,000	210,000	0,350	350,000	1260,000
13-02-2008	21:12:50	13312613,000	236,000	0,393	393,333	1416,000
13-02-2008	21:22:51	13312838,000	225,000	0,375	375,000	1350,000
13-02-2008	21:32:51	13313061,000	223,000	0,372	371,667	1338,000
13-02-2008	21:42:51	13313282,000	221,000	0,368	368,333	1326,000
13-02-2008	21:52:51	13313506,000	224,000	0,373	373,333	1344,000
13-02-2008	22:02:51	13313715,000	209,000	0,348	348,333	1254,000
13-02-2008	22:12:51	13313911,000	196,000	0,327	326,667	1176,000
13-02-2008	22:22:51	13314103,000	192,000	0,320	320,000	1152,000
13-02-2008	22:32:51	13314284,000	181,000	0,302	301,667	1086,000
13-02-2008	22:42:51	13314478,000	194,000	0,323	323,333	1164,000
13-02-2008	22:52:51	13314645,000	167,000	0,278	278,333	1002,000
13-02-2008	23:02:51	13314811,000	166,000	0,277	276,667	996,000
13-02-2008	23:12:51	13314979,000	168,000	0,280	280,000	1008,000
13-02-2008	23:22:51	13315089,000	110,000	0,183	183,333	660,000
13-02-2008	23:32:51	13315194,000	105,000	0,175	175,000	630,000
13-02-2008	23:42:51	13315286,000	92,000	0,153	153,333	552,000
13-02-2008	23:52:51	13315371,000	85,000	0,142	141,667	510,000
14-02-2008	00:00:13	13315455,000	84,000	0,190	190,045	684,163

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:13	13315455,000				
14-02-2008	00:02:51	13315495,000	40,000	0,253	253,165	911,392
14-02-2008	00:12:51	13315649,000	154,000	0,257	256,667	924,000
14-02-2008	00:22:51	13315758,000	109,000	0,182	181,667	654,000
14-02-2008	00:32:51	13315833,000	75,000	0,125	125,000	450,000
14-02-2008	00:42:51	13315907,000	74,000	0,123	123,333	444,000
14-02-2008	00:52:51	13315978,000	71,000	0,118	118,333	426,000
14-02-2008	01:02:51	13316046,000	68,000	0,113	113,333	408,000
14-02-2008	01:12:51	13316113,000	67,000	0,112	111,667	402,000
14-02-2008	01:22:51	13316178,000	65,000	0,108	108,333	390,000
14-02-2008	01:32:53	13316264,000	86,000	0,143	143,333	516,000
14-02-2008	01:42:53	13316411,000	147,000	0,245	245,000	882,000
14-02-2008	01:52:53	13316569,000	158,000	0,263	263,333	948,000
14-02-2008	02:02:53	13316688,000	119,000	0,198	198,333	714,000
14-02-2008	02:12:53	13316814,000	126,000	0,210	210,000	756,000
14-02-2008	02:22:53	13316941,000	127,000	0,212	211,667	762,000
14-02-2008	02:32:53	13317096,000	155,000	0,258	258,333	930,000
14-02-2008	02:42:53	13317248,000	152,000	0,253	253,333	912,000
14-02-2008	02:52:53	13317403,000	155,000	0,258	258,333	930,000
14-02-2008	03:02:53	13317559,000	156,000	0,260	260,000	936,000
14-02-2008	03:12:53	13317681,000	122,000	0,203	203,333	732,000
14-02-2008	03:22:54	13317765,000	84,000	0,140	140,000	504,000
14-02-2008	03:32:54	13317847,000	82,000	0,137	136,667	492,000
14-02-2008	03:42:54	13317928,000	81,000	0,135	135,000	486,000
14-02-2008	03:52:54	13318012,000	84,000	0,140	140,000	504,000
14-02-2008	04:02:54	13318100,000	88,000	0,147	146,667	528,000
14-02-2008	04:12:54	13318177,000	77,000	0,128	128,333	462,000
14-02-2008	04:22:54	13318317,000	140,000	0,233	233,333	840,000
14-02-2008	04:32:54	13318468,000	151,000	0,252	251,667	906,000
14-02-2008	04:42:54	13318545,000	77,000	0,128	128,333	462,000
14-02-2008	04:52:54	13318617,000	72,000	0,120	120,000	432,000
14-02-2008	05:02:54	13318689,000	72,000	0,120	120,000	432,000
14-02-2008	05:12:54	13318761,000	72,000	0,120	120,000	432,000
14-02-2008	05:22:55	13318835,000	74,000	0,123	123,333	444,000
14-02-2008	05:32:55	13318907,000	72,000	0,120	120,000	432,000
14-02-2008	05:42:55	13318984,000	77,000	0,128	128,333	462,000
14-02-2008	05:52:55	13319070,000	86,000	0,143	143,333	516,000
14-02-2008	06:02:55	13319163,000	93,000	0,155	155,000	558,000
14-02-2008	06:12:55	13319257,000	94,000	0,157	156,667	564,000
14-02-2008	06:22:55	13319355,000	98,000	0,163	163,333	588,000
14-02-2008	06:32:55	13319519,000	164,000	0,273	273,333	984,000
14-02-2008	06:42:55	13319693,000	174,000	0,290	290,000	1044,000
14-02-2008	06:52:55	13319784,000	91,000	0,152	151,667	546,000
14-02-2008	07:02:55	13319874,000	90,000	0,150	150,000	540,000
14-02-2008	07:12:55	13319963,000	89,000	0,148	148,333	534,000
14-02-2008	07:22:55	13320053,000	90,000	0,150	150,000	540,000
14-02-2008	07:32:56	13320139,000	86,000	0,143	143,333	516,000
14-02-2008	07:42:56	13320289,000	150,000	0,250	250,000	900,000
14-02-2008	07:52:56	13320445,000	156,000	0,260	260,000	936,000
14-02-2008	08:02:56	13320602,000	157,000	0,262	261,667	942,000

14-02-2008	08:12:56	13320760,000	158,000	0,263	263,333	948,000
14-02-2008	08:22:56	13320920,000	160,000	0,267	266,667	960,000
14-02-2008	08:32:56	13321088,000	168,000	0,280	280,000	1008,000
14-02-2008	08:42:56	13321240,000	152,000	0,253	253,333	912,000
14-02-2008	08:52:56	13321369,000	129,000	0,215	215,000	774,000
14-02-2008	09:02:56	13321531,000	162,000	0,270	270,000	972,000
14-02-2008	09:12:56	13321735,000	204,000	0,340	340,000	1224,000
14-02-2008	09:22:56	13321943,000	208,000	0,347	346,667	1248,000
14-02-2008	09:32:56	13322168,000	225,000	0,375	375,000	1350,000
14-02-2008	09:42:56	13322396,000	228,000	0,380	380,000	1368,000
14-02-2008	09:52:56	13322631,000	235,000	0,392	391,667	1410,000
14-02-2008	10:02:56	13322862,000	231,000	0,385	385,000	1386,000
14-02-2008	10:12:56	13323005,000	143,000	0,238	238,333	858,000
14-02-2008	10:22:56	13323134,000	129,000	0,215	215,000	774,000
14-02-2008	10:32:56	13323273,000	139,000	0,232	231,667	834,000
14-02-2008	10:42:56	13323486,000	213,000	0,355	355,000	1278,000
14-02-2008	10:52:56	13323774,000	288,000	0,480	480,000	1728,000
14-02-2008	11:02:56	13324071,000	297,000	0,495	495,000	1782,000
14-02-2008	11:12:56	13324265,000	194,000	0,323	323,333	1164,000
14-02-2008	11:22:56	13324420,000	155,000	0,258	258,333	930,000
14-02-2008	11:32:56	13324576,000	156,000	0,260	260,000	936,000
14-02-2008	11:42:56	13324773,000	197,000	0,328	328,333	1182,000
14-02-2008	11:52:56	13324998,000	225,000	0,375	375,000	1350,000
14-02-2008	12:02:56	13325220,000	222,000	0,370	370,000	1332,000
14-02-2008	12:12:56	13325440,000	220,000	0,367	366,667	1320,000
14-02-2008	12:22:56	13325662,000	222,000	0,370	370,000	1332,000
14-02-2008	12:32:56	13325890,000	228,000	0,380	380,000	1368,000
14-02-2008	12:42:56	13326121,000	231,000	0,385	385,000	1386,000
14-02-2008	12:52:57	13326372,000	251,000	0,418	418,333	1506,000
14-02-2008	13:02:57	13326624,000	252,000	0,420	420,000	1512,000
14-02-2008	13:12:57	13326880,000	256,000	0,427	426,667	1536,000
14-02-2008	13:22:57	13327148,000	268,000	0,447	446,667	1608,000
14-02-2008	13:32:57	13327408,000	260,000	0,433	433,333	1560,000
14-02-2008	13:42:57	13327667,000	259,000	0,432	431,667	1554,000
14-02-2008	13:52:57	13327906,000	239,000	0,398	398,333	1434,000
14-02-2008	14:02:57	13328117,000	211,000	0,352	351,667	1266,000
14-02-2008	14:12:57	13328323,000	206,000	0,343	343,333	1236,000
14-02-2008	14:22:57	13328584,000	261,000	0,435	435,000	1566,000
14-02-2008	14:32:57	13328845,000	261,000	0,435	435,000	1566,000
14-02-2008	14:42:57	13329097,000	252,000	0,420	420,000	1512,000
14-02-2008	14:52:57	13329298,000	201,000	0,335	335,000	1206,000
14-02-2008	15:02:57	13329485,000	187,000	0,312	311,667	1122,000
14-02-2008	15:12:57	13329666,000	181,000	0,302	301,667	1086,000
14-02-2008	15:22:57	13329846,000	180,000	0,300	300,000	1080,000
14-02-2008	15:32:57	13330057,000	211,000	0,352	351,667	1266,000
14-02-2008	15:42:57	13330305,000	248,000	0,413	413,333	1488,000
14-02-2008	15:52:57	13330553,000	248,000	0,413	413,333	1488,000
14-02-2008	16:02:57	13330800,000	247,000	0,412	411,667	1482,000
14-02-2008	16:12:57	13331052,000	252,000	0,420	420,000	1512,000
14-02-2008	16:22:57	13331303,000	251,000	0,418	418,333	1506,000
14-02-2008	16:32:57	13331548,000	245,000	0,408	408,333	1470,000
14-02-2008	16:42:57	13331787,000	239,000	0,398	398,333	1434,000
14-02-2008	16:52:57	13332019,000	232,000	0,387	386,667	1392,000
14-02-2008	17:02:57	13332207,000	188,000	0,313	313,333	1128,000
14-02-2008	17:12:57	13332372,000	165,000	0,275	275,000	990,000

14-02-2008	17:22:57	13332581,000	209,000	0,348	348,333	1254,000
14-02-2008	17:32:57	13332812,000	231,000	0,385	385,000	1386,000
14-02-2008	17:42:57	13333054,000	242,000	0,403	403,333	1452,000
14-02-2008	17:52:57	13333306,000	252,000	0,420	420,000	1512,000
14-02-2008	18:02:57	13333564,000	258,000	0,430	430,000	1548,000
14-02-2008	18:12:57	13333824,000	260,000	0,433	433,333	1560,000
14-02-2008	18:22:57	13334081,000	257,000	0,428	428,333	1542,000
14-02-2008	18:32:57	13334278,000	197,000	0,328	328,333	1182,000
14-02-2008	18:42:58	13334460,000	182,000	0,303	303,333	1092,000
14-02-2008	18:52:58	13334627,000	167,000	0,278	278,333	1002,000
14-02-2008	19:02:58	13334804,000	177,000	0,295	295,000	1062,000
14-02-2008	19:12:58	13335031,000	227,000	0,378	378,333	1362,000
14-02-2008	19:22:58	13335251,000	220,000	0,367	366,667	1320,000
14-02-2008	19:32:58	13335414,000	163,000	0,272	271,667	978,000
14-02-2008	19:42:58	13335584,000	170,000	0,283	283,333	1020,000
14-02-2008	19:52:58	13335758,000	174,000	0,290	290,000	1044,000
14-02-2008	20:02:58	13335980,000	222,000	0,370	370,000	1332,000
14-02-2008	20:12:58	13336200,000	220,000	0,367	366,667	1320,000
14-02-2008	20:22:58	13336435,000	235,000	0,392	391,667	1410,000
14-02-2008	20:32:58	13336666,000	231,000	0,385	385,000	1386,000
14-02-2008	20:42:58	13336891,000	225,000	0,375	375,000	1350,000
14-02-2008	20:52:58	13337119,000	228,000	0,380	380,000	1368,000
14-02-2008	21:02:58	13337351,000	232,000	0,387	386,667	1392,000
14-02-2008	21:12:58	13337594,000	243,000	0,405	405,000	1458,000
14-02-2008	21:22:58	13337847,000	253,000	0,422	421,667	1518,000
14-02-2008	21:32:58	13338102,000	255,000	0,425	425,000	1530,000
14-02-2008	21:42:58	13338353,000	251,000	0,418	418,333	1506,000
14-02-2008	21:52:58	13338562,000	209,000	0,348	348,333	1254,000
14-02-2008	22:02:58	13338773,000	211,000	0,352	351,667	1266,000
14-02-2008	22:12:58	13339031,000	258,000	0,430	430,000	1548,000
14-02-2008	22:22:58	13339248,000	217,000	0,362	361,667	1302,000
14-02-2008	22:32:58	13339441,000	193,000	0,322	321,667	1158,000
14-02-2008	22:42:58	13339643,000	202,000	0,337	336,667	1212,000
14-02-2008	22:52:58	13339825,000	182,000	0,303	303,333	1092,000
14-02-2008	23:02:58	13339952,000	127,000	0,212	211,667	762,000
14-02-2008	23:12:58	13340068,000	116,000	0,193	193,333	696,000
14-02-2008	23:22:58	13340182,000	114,000	0,190	190,000	684,000
14-02-2008	23:32:58	13340295,000	113,000	0,188	188,333	678,000
14-02-2008	23:42:58	13340461,000	166,000	0,277	276,667	996,000
14-02-2008	23:52:58	13340641,000	180,000	0,300	300,000	1080,000
15-02-2008	00:00:03	13340737,000	96,000	0,226	225,882	813,176

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
15-02-2008	00:00:03	13340737,000				
15-02-2008	00:02:59	13340770,000	33,000	0,188	187,500	675,000
15-02-2008	00:12:59	13340886,000	116,000	0,193	193,333	696,000
15-02-2008	00:22:59	13340993,000	107,000	0,178	178,333	642,000
15-02-2008	00:32:59	13341093,000	100,000	0,167	166,667	600,000
15-02-2008	00:42:59	13341189,000	96,000	0,160	160,000	576,000
15-02-2008	00:52:59	13341281,000	92,000	0,153	153,333	552,000
15-02-2008	01:02:59	13341370,000	89,000	0,148	148,333	534,000
15-02-2008	01:12:59	13341458,000	88,000	0,147	146,667	528,000
15-02-2008	01:22:59	13341615,000	157,000	0,262	261,667	942,000
15-02-2008	01:32:59	13341770,000	155,000	0,258	258,333	930,000
15-02-2008	01:42:59	13341922,000	152,000	0,253	253,333	912,000
15-02-2008	01:52:59	13342031,000	109,000	0,182	181,667	654,000
15-02-2008	02:02:59	13342126,000	95,000	0,158	158,333	570,000
15-02-2008	02:12:59	13342244,000	118,000	0,197	196,667	708,000
15-02-2008	02:22:59	13342394,000	150,000	0,250	250,000	900,000
15-02-2008	02:32:59	13342541,000	147,000	0,245	245,000	882,000
15-02-2008	02:42:59	13342645,000	104,000	0,173	173,333	624,000
15-02-2008	02:52:59	13342716,000	71,000	0,118	118,333	426,000
15-02-2008	03:02:59	13342788,000	72,000	0,120	120,000	432,000
15-02-2008	03:12:59	13342859,000	71,000	0,118	118,333	426,000
15-02-2008	03:22:59	13342930,000	71,000	0,118	118,333	426,000
15-02-2008	03:32:59	13343000,000	70,000	0,117	116,667	420,000
15-02-2008	03:42:59	13343069,000	69,000	0,115	115,000	414,000
15-02-2008	03:53:00	13343136,000	67,000	0,112	111,667	402,000
15-02-2008	04:03:00	13343204,000	68,000	0,113	113,333	408,000
15-02-2008	04:13:00	13343321,000	117,000	0,195	195,000	702,000
15-02-2008	04:23:00	13343460,000	139,000	0,232	231,667	834,000
15-02-2008	04:33:00	13343541,000	81,000	0,135	135,000	486,000
15-02-2008	04:43:00	13343603,000	62,000	0,103	103,333	372,000
15-02-2008	04:53:00	13343675,000	72,000	0,120	120,000	432,000
15-02-2008	05:03:00	13343753,000	78,000	0,130	130,000	468,000
15-02-2008	05:13:00	13343830,000	77,000	0,128	128,333	462,000
15-02-2008	05:23:00	13343903,000	73,000	0,122	121,667	438,000
15-02-2008	05:33:00	13343965,000	62,000	0,103	103,333	372,000
15-02-2008	05:43:00	13344026,000	61,000	0,102	101,667	366,000
15-02-2008	05:53:00	13344092,000	66,000	0,110	110,000	396,000
15-02-2008	06:03:00	13344166,000	74,000	0,123	123,333	444,000
15-02-2008	06:13:00	13344245,000	79,000	0,132	131,667	474,000
15-02-2008	06:23:00	13344329,000	84,000	0,140	140,000	504,000
15-02-2008	06:33:00	13344412,000	83,000	0,138	138,333	498,000
15-02-2008	06:43:00	13344522,000	110,000	0,183	183,333	660,000
15-02-2008	06:53:00	13344676,000	154,000	0,257	256,667	924,000
15-02-2008	07:03:00	13344768,000	92,000	0,153	153,333	552,000
15-02-2008	07:13:00	13344822,000	54,000	0,090	90,000	324,000
15-02-2008	07:23:00	13344894,000	72,000	0,120	120,000	432,000
15-02-2008	07:33:00	13344968,000	74,000	0,123	123,333	444,000
15-02-2008	07:43:00	13345042,000	74,000	0,123	123,333	444,000
15-02-2008	07:53:01	13345198,000	156,000	0,260	260,000	936,000
15-02-2008	08:03:01	13345368,000	170,000	0,283	283,333	1020,000

15-02-2008	08:13:01	13345535,000	167,000	0,278	278,333	1002,000
15-02-2008	08:23:01	13345704,000	169,000	0,282	281,667	1014,000
15-02-2008	08:33:01	13345874,000	170,000	0,283	283,333	1020,000
15-02-2008	08:43:01	13345998,000	124,000	0,207	206,667	744,000
15-02-2008	08:53:01	13346122,000	124,000	0,207	206,667	744,000
15-02-2008	09:03:01	13346299,000	177,000	0,295	295,000	1062,000
15-02-2008	09:13:01	13346479,000	180,000	0,300	300,000	1080,000
15-02-2008	09:23:01	13346673,000	194,000	0,323	323,333	1164,000
15-02-2008	09:33:01	13346876,000	203,000	0,338	338,333	1218,000
15-02-2008	09:43:01	13347085,000	209,000	0,348	348,333	1254,000
15-02-2008	09:53:01	13347291,000	206,000	0,343	343,333	1236,000
15-02-2008	10:03:01	13347459,000	168,000	0,280	280,000	1008,000
15-02-2008	10:13:01	13347597,000	138,000	0,230	230,000	828,000
15-02-2008	10:23:01	13347739,000	142,000	0,237	236,667	852,000
15-02-2008	10:33:01	13347883,000	144,000	0,240	240,000	864,000
15-02-2008	10:43:01	13348068,000	185,000	0,308	308,333	1110,000
15-02-2008	10:53:01	13348253,000	185,000	0,308	308,333	1110,000
15-02-2008	11:03:01	13348380,000	127,000	0,212	211,667	762,000
15-02-2008	11:13:01	13348502,000	122,000	0,203	203,333	732,000
15-02-2008	11:23:01	13348637,000	135,000	0,225	225,000	810,000
15-02-2008	11:33:01	13348768,000	131,000	0,218	218,333	786,000
15-02-2008	11:43:01	13348957,000	189,000	0,315	315,000	1134,000
15-02-2008	11:53:01	13349146,000	189,000	0,315	315,000	1134,000
15-02-2008	12:03:01	13349340,000	194,000	0,323	323,333	1164,000
15-02-2008	12:13:01	13349544,000	204,000	0,340	340,000	1224,000
15-02-2008	12:23:01	13349746,000	202,000	0,337	336,667	1212,000
15-02-2008	12:33:01	13349951,000	205,000	0,342	341,667	1230,000
15-02-2008	12:43:01	13350158,000	207,000	0,345	345,000	1242,000
15-02-2008	12:53:01	13350335,000	177,000	0,295	295,000	1062,000
15-02-2008	13:03:01	13350493,000	158,000	0,263	263,333	948,000
15-02-2008	13:13:01	13350705,000	212,000	0,353	353,333	1272,000
15-02-2008	13:23:02	13350942,000	237,000	0,395	395,000	1422,000
15-02-2008	13:33:02	13351175,000	233,000	0,388	388,333	1398,000
15-02-2008	13:43:02	13351408,000	233,000	0,388	388,333	1398,000
15-02-2008	13:53:02	13351645,000	237,000	0,395	395,000	1422,000
15-02-2008	14:03:02	13351852,000	207,000	0,345	345,000	1242,000
15-02-2008	14:13:02	13352010,000	158,000	0,263	263,333	948,000
15-02-2008	14:23:02	13352145,000	135,000	0,225	225,000	810,000
15-02-2008	14:33:02	13352281,000	136,000	0,227	226,667	816,000
15-02-2008	14:43:02	13352485,000	204,000	0,340	340,000	1224,000
15-02-2008	14:53:02	13352701,000	216,000	0,360	360,000	1296,000
15-02-2008	15:03:02	13352908,000	207,000	0,345	345,000	1242,000
15-02-2008	15:13:02	13353113,000	205,000	0,342	341,667	1230,000
15-02-2008	15:23:02	13353281,000	168,000	0,280	280,000	1008,000
15-02-2008	15:33:02	13353423,000	142,000	0,237	236,667	852,000
15-02-2008	15:43:02	13353608,000	185,000	0,308	308,333	1110,000
15-02-2008	15:53:02	13353806,000	198,000	0,330	330,000	1188,000
15-02-2008	16:03:02	13354003,000	197,000	0,328	328,333	1182,000
15-02-2008	16:13:02	13354199,000	196,000	0,327	326,667	1176,000
15-02-2008	16:23:02	13354398,000	199,000	0,332	331,667	1194,000
15-02-2008	16:33:02	13354595,000	197,000	0,328	328,333	1182,000
15-02-2008	16:43:02	13354789,000	194,000	0,323	323,333	1164,000
15-02-2008	16:53:02	13354956,000	167,000	0,278	278,333	1002,000
15-02-2008	17:03:02	13355091,000	135,000	0,225	225,000	810,000
15-02-2008	17:13:02	13355265,000	174,000	0,290	290,000	1044,000

15-02-2008	17:23:02	13355473,000	208,000	0,347	346,667	1248,000
15-02-2008	17:33:02	13355694,000	221,000	0,368	368,333	1326,000
15-02-2008	17:43:02	13355916,000	222,000	0,370	370,000	1332,000
15-02-2008	17:53:02	13356136,000	220,000	0,367	366,667	1320,000
15-02-2008	18:03:02	13356359,000	223,000	0,372	371,667	1338,000
15-02-2008	18:13:02	13356542,000	183,000	0,305	305,000	1098,000
15-02-2008	18:23:02	13356694,000	152,000	0,253	253,333	912,000
15-02-2008	18:33:02	13356821,000	127,000	0,212	211,667	762,000
15-02-2008	18:43:02	13356952,000	131,000	0,218	218,333	786,000
15-02-2008	18:53:02	13357114,000	162,000	0,270	270,000	972,000
15-02-2008	19:03:02	13357305,000	191,000	0,318	318,333	1146,000
15-02-2008	19:13:02	13357470,000	165,000	0,275	275,000	990,000
15-02-2008	19:23:02	13357597,000	127,000	0,212	211,667	762,000
15-02-2008	19:33:02	13357737,000	140,000	0,233	233,333	840,000
15-02-2008	19:43:02	13357932,000	195,000	0,325	325,000	1170,000
15-02-2008	19:53:02	13358130,000	198,000	0,330	330,000	1188,000
15-02-2008	20:03:03	13358327,000	197,000	0,328	328,333	1182,000
15-02-2008	20:13:03	13358525,000	198,000	0,330	330,000	1188,000
15-02-2008	20:23:03	13358745,000	220,000	0,367	366,667	1320,000
15-02-2008	20:33:03	13358961,000	216,000	0,360	360,000	1296,000
15-02-2008	20:43:03	13359178,000	217,000	0,362	361,667	1302,000
15-02-2008	20:53:03	13359407,000	229,000	0,382	381,667	1374,000
15-02-2008	21:03:03	13359659,000	252,000	0,420	420,000	1512,000
15-02-2008	21:13:03	13359904,000	245,000	0,408	408,333	1470,000
15-02-2008	21:23:03	13360138,000	234,000	0,390	390,000	1404,000
15-02-2008	21:33:03	13360345,000	207,000	0,345	345,000	1242,000
15-02-2008	21:43:03	13360579,000	234,000	0,390	390,000	1404,000
15-02-2008	21:53:03	13360833,000	254,000	0,423	423,333	1524,000
15-02-2008	22:03:03	13361078,000	245,000	0,408	408,333	1470,000
15-02-2008	22:13:03	13361304,000	226,000	0,377	376,667	1356,000
15-02-2008	22:23:03	13361529,000	225,000	0,375	375,000	1350,000
15-02-2008	22:33:03	13361756,000	227,000	0,378	378,333	1362,000
15-02-2008	22:43:03	13361980,000	224,000	0,373	373,333	1344,000
15-02-2008	22:53:03	13362202,000	222,000	0,370	370,000	1332,000
15-02-2008	23:03:03	13362377,000	175,000	0,292	291,667	1050,000
15-02-2008	23:13:03	13362533,000	156,000	0,260	260,000	936,000
15-02-2008	23:23:03	13362686,000	153,000	0,255	255,000	918,000
15-02-2008	23:33:03	13362835,000	149,000	0,248	248,333	894,000
15-02-2008	23:43:03	13363047,000	212,000	0,353	353,333	1272,000
15-02-2008	23:53:03	13363269,000	222,000	0,370	370,000	1332,000
16-02-2008	00:00:25	13363396,000	127,000	0,287	287,330	1034,389

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
16-02-2008	00:00:25	13363396,000				
16-02-2008	00:03:03	13363436,000	40,000	0,253	253,165	911,392
16-02-2008	00:13:03	13363590,000	154,000	0,257	256,667	924,000
16-02-2008	00:23:03	13363757,000	167,000	0,278	278,333	1002,000
16-02-2008	00:33:03	13363927,000	170,000	0,283	283,333	1020,000
16-02-2008	00:43:03	13364087,000	160,000	0,267	266,667	960,000
16-02-2008	00:53:03	13364243,000	156,000	0,260	260,000	936,000
16-02-2008	01:03:03	13364385,000	142,000	0,237	236,667	852,000
16-02-2008	01:13:03	13364538,000	153,000	0,255	255,000	918,000
16-02-2008	01:23:04	13364740,000	202,000	0,337	336,667	1212,000
16-02-2008	01:33:04	13364926,000	186,000	0,310	310,000	1116,000
16-02-2008	01:43:04	13365051,000	125,000	0,208	208,333	750,000
16-02-2008	01:53:04	13365174,000	123,000	0,205	205,000	738,000
16-02-2008	02:03:04	13365296,000	122,000	0,203	203,333	732,000
16-02-2008	02:13:04	13365456,000	160,000	0,267	266,667	960,000
16-02-2008	02:23:04	13365649,000	193,000	0,322	321,667	1158,000
16-02-2008	02:33:04	13365839,000	190,000	0,317	316,667	1140,000
16-02-2008	02:43:04	13366028,000	189,000	0,315	315,000	1134,000
16-02-2008	02:53:04	13366215,000	187,000	0,312	311,667	1122,000
16-02-2008	03:03:04	13366330,000	115,000	0,192	191,667	690,000
16-02-2008	03:13:04	13366444,000	114,000	0,190	190,000	684,000
16-02-2008	03:23:04	13366558,000	114,000	0,190	190,000	684,000
16-02-2008	03:33:04	13366671,000	113,000	0,188	188,333	678,000
16-02-2008	03:43:04	13366784,000	113,000	0,188	188,333	678,000
16-02-2008	03:53:04	13366898,000	114,000	0,190	190,000	684,000
16-02-2008	04:03:04	13367010,000	112,000	0,187	186,667	672,000
16-02-2008	04:13:04	13367122,000	112,000	0,187	186,667	672,000
16-02-2008	04:23:04	13367231,000	109,000	0,182	181,667	654,000
16-02-2008	04:33:04	13367354,000	123,000	0,205	205,000	738,000
16-02-2008	04:43:04	13367534,000	180,000	0,300	300,000	1080,000
16-02-2008	04:53:04	13367690,000	156,000	0,260	260,000	936,000
16-02-2008	05:03:04	13367788,000	98,000	0,163	163,333	588,000
16-02-2008	05:13:04	13367879,000	91,000	0,152	151,667	546,000
16-02-2008	05:23:04	13367969,000	90,000	0,150	150,000	540,000
16-02-2008	05:33:05	13368066,000	97,000	0,162	161,667	582,000
16-02-2008	05:43:05	13368156,000	90,000	0,150	150,000	540,000
16-02-2008	05:53:05	13368243,000	87,000	0,145	145,000	522,000
16-02-2008	06:03:05	13368331,000	88,000	0,147	146,667	528,000
16-02-2008	06:13:05	13368427,000	96,000	0,160	160,000	576,000
16-02-2008	06:23:05	13368531,000	104,000	0,173	173,333	624,000
16-02-2008	06:33:05	13368640,000	109,000	0,182	181,667	654,000
16-02-2008	06:43:05	13368750,000	110,000	0,183	183,333	660,000
16-02-2008	06:53:05	13368864,000	114,000	0,190	190,000	684,000
16-02-2008	07:03:05	13368975,000	111,000	0,185	185,000	666,000
16-02-2008	07:13:05	13369118,000	143,000	0,238	238,333	858,000
16-02-2008	07:23:05	13369282,000	164,000	0,273	273,333	984,000
16-02-2008	07:33:05	13369383,000	101,000	0,168	168,333	606,000
16-02-2008	07:43:05	13369472,000	89,000	0,148	148,333	534,000
16-02-2008	07:53:05	13369560,000	88,000	0,147	146,667	528,000

16-02-2008	08:03:05	13369651,000	91,000	0,152	151,667	546,000
16-02-2008	08:13:05	13369744,000	93,000	0,155	155,000	558,000
16-02-2008	08:23:05	13369905,000	161,000	0,268	268,333	966,000
16-02-2008	08:33:05	13370116,000	211,000	0,352	351,667	1266,000
16-02-2008	08:43:05	13370390,000	274,000	0,457	456,667	1644,000
16-02-2008	08:53:05	13370630,000	240,000	0,400	400,000	1440,000
16-02-2008	09:03:05	13370811,000	181,000	0,302	301,667	1086,000
16-02-2008	09:13:05	13370990,000	179,000	0,298	298,333	1074,000
16-02-2008	09:23:05	13371140,000	150,000	0,250	250,000	900,000
16-02-2008	09:33:05	13371276,000	136,000	0,227	226,667	816,000
16-02-2008	09:43:05	13371463,000	187,000	0,312	311,667	1122,000
16-02-2008	09:53:05	13371661,000	198,000	0,330	330,000	1188,000
16-02-2008	10:03:05	13371847,000	186,000	0,310	310,000	1116,000
16-02-2008	10:13:05	13372056,000	209,000	0,348	348,333	1254,000
16-02-2008	10:23:05	13372276,000	220,000	0,367	366,667	1320,000
16-02-2008	10:33:05	13372493,000	217,000	0,362	361,667	1302,000
16-02-2008	10:43:05	13372658,000	165,000	0,275	275,000	990,000
16-02-2008	10:53:05	13372818,000	160,000	0,267	266,667	960,000
16-02-2008	11:03:05	13372977,000	159,000	0,265	265,000	954,000
16-02-2008	11:13:05	13373188,000	211,000	0,352	351,667	1266,000
16-02-2008	11:23:05	13373419,000	231,000	0,385	385,000	1386,000
16-02-2008	11:33:05	13373619,000	200,000	0,333	333,333	1200,000
16-02-2008	11:43:05	13373774,000	155,000	0,258	258,333	930,000
16-02-2008	11:53:06	13373923,000	149,000	0,248	248,333	894,000
16-02-2008	12:03:06	13374133,000	210,000	0,350	350,000	1260,000
16-02-2008	12:13:06	13374350,000	217,000	0,362	361,667	1302,000
16-02-2008	12:23:06	13374574,000	224,000	0,373	373,333	1344,000
16-02-2008	12:33:06	13374801,000	227,000	0,378	378,333	1362,000
16-02-2008	12:43:06	13375033,000	232,000	0,387	386,667	1392,000
16-02-2008	12:53:06	13375269,000	236,000	0,393	393,333	1416,000
16-02-2008	13:03:06	13375507,000	238,000	0,397	396,667	1428,000
16-02-2008	13:13:06	13375749,000	242,000	0,403	403,333	1452,000
16-02-2008	13:23:06	13376020,000	271,000	0,452	451,667	1626,000
16-02-2008	13:33:06	13376289,000	269,000	0,448	448,333	1614,000
16-02-2008	13:43:06	13376552,000	263,000	0,438	438,333	1578,000
16-02-2008	13:53:06	13376812,000	260,000	0,433	433,333	1560,000
16-02-2008	14:03:06	13377052,000	240,000	0,400	400,000	1440,000
16-02-2008	14:13:06	13377285,000	233,000	0,388	388,333	1398,000
16-02-2008	14:23:06	13377517,000	232,000	0,387	386,667	1392,000
16-02-2008	14:33:06	13377747,000	230,000	0,383	383,333	1380,000
16-02-2008	14:43:06	13377955,000	208,000	0,347	346,667	1248,000
16-02-2008	14:53:06	13378142,000	187,000	0,312	311,667	1122,000
16-02-2008	15:03:06	13378289,000	147,000	0,245	245,000	882,000
16-02-2008	15:13:06	13378439,000	150,000	0,250	250,000	900,000
16-02-2008	15:23:06	13378606,000	167,000	0,278	278,333	1002,000
16-02-2008	15:33:06	13378797,000	191,000	0,318	318,333	1146,000
16-02-2008	15:43:06	13378988,000	191,000	0,318	318,333	1146,000
16-02-2008	15:53:06	13379146,000	158,000	0,263	263,333	948,000
16-02-2008	16:03:06	13379280,000	134,000	0,223	223,333	804,000
16-02-2008	16:13:06	13379447,000	167,000	0,278	278,333	1002,000
16-02-2008	16:23:06	13379638,000	191,000	0,318	318,333	1146,000
16-02-2008	16:33:06	13379829,000	191,000	0,318	318,333	1146,000
16-02-2008	16:43:06	13380027,000	198,000	0,330	330,000	1188,000
16-02-2008	16:53:06	13380227,000	200,000	0,333	333,333	1200,000
16-02-2008	17:03:06	13380427,000	200,000	0,333	333,333	1200,000

16-02-2008	17:13:06	13380636,000	209,000	0,348	348,333	1254,000
16-02-2008	17:23:06	13380863,000	227,000	0,378	378,333	1362,000
16-02-2008	17:33:06	13381090,000	227,000	0,378	378,333	1362,000
16-02-2008	17:43:06	13381309,000	219,000	0,365	365,000	1314,000
16-02-2008	17:53:06	13381529,000	220,000	0,367	366,667	1320,000
16-02-2008	18:03:07	13381748,000	219,000	0,365	365,000	1314,000
16-02-2008	18:13:07	13381969,000	221,000	0,368	368,333	1326,000
16-02-2008	18:23:07	13382162,000	193,000	0,322	321,667	1158,000
16-02-2008	18:33:07	13382356,000	194,000	0,323	323,333	1164,000
16-02-2008	18:43:07	13382550,000	194,000	0,323	323,333	1164,000
16-02-2008	18:53:07	13382708,000	158,000	0,263	263,333	948,000
16-02-2008	19:03:07	13382852,000	144,000	0,240	240,000	864,000
16-02-2008	19:13:07	13383050,000	198,000	0,330	330,000	1188,000
16-02-2008	19:23:07	13383247,000	197,000	0,328	328,333	1182,000
16-02-2008	19:33:07	13383458,000	211,000	0,352	351,667	1266,000
16-02-2008	19:43:07	13383660,000	202,000	0,337	336,667	1212,000
16-02-2008	19:53:07	13383822,000	162,000	0,270	270,000	972,000
16-02-2008	20:03:07	13383958,000	136,000	0,227	226,667	816,000
16-02-2008	20:13:07	13384096,000	138,000	0,230	230,000	828,000
16-02-2008	20:23:07	13384245,000	149,000	0,248	248,333	894,000
16-02-2008	20:33:07	13384442,000	197,000	0,328	328,333	1182,000
16-02-2008	20:43:07	13384654,000	212,000	0,353	353,333	1272,000
16-02-2008	20:53:07	13384884,000	230,000	0,383	383,333	1380,000
16-02-2008	21:03:07	13385081,000	197,000	0,328	328,333	1182,000
16-02-2008	21:13:07	13385256,000	175,000	0,292	291,667	1050,000
16-02-2008	21:23:07	13385462,000	206,000	0,343	343,333	1236,000
16-02-2008	21:33:07	13385694,000	232,000	0,387	386,667	1392,000
16-02-2008	21:43:07	13385922,000	228,000	0,380	380,000	1368,000
16-02-2008	21:53:07	13386128,000	206,000	0,343	343,333	1236,000
16-02-2008	22:03:07	13386320,000	192,000	0,320	320,000	1152,000
16-02-2008	22:13:07	13386516,000	196,000	0,327	326,667	1176,000
16-02-2008	22:23:07	13386719,000	203,000	0,338	338,333	1218,000
16-02-2008	22:33:07	13386908,000	189,000	0,315	315,000	1134,000
16-02-2008	22:43:07	13387096,000	188,000	0,313	313,333	1128,000
16-02-2008	22:53:07	13387282,000	186,000	0,310	310,000	1116,000
16-02-2008	23:03:07	13387432,000	150,000	0,250	250,000	900,000
16-02-2008	23:13:07	13387560,000	128,000	0,213	213,333	768,000
16-02-2008	23:23:07	13387730,000	170,000	0,283	283,333	1020,000
16-02-2008	23:33:08	13387914,000	184,000	0,307	306,667	1104,000
16-02-2008	23:43:08	13388074,000	160,000	0,267	266,667	960,000
16-02-2008	23:53:08	13388191,000	117,000	0,195	195,000	702,000
17-02-2008	00:00:15	13388273,000	82,000	0,192	192,037	691,335

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
17-02-2008	00:00:15	13388273,000				
17-02-2008	00:03:08	13388304,000	31,000	0,179	179,191	645,087
17-02-2008	00:13:08	13388411,000	107,000	0,178	178,333	642,000
17-02-2008	00:23:08	13388518,000	107,000	0,178	178,333	642,000
17-02-2008	00:33:08	13388620,000	102,000	0,170	170,000	612,000
17-02-2008	00:43:08	13388721,000	101,000	0,168	168,333	606,000
17-02-2008	00:53:08	13388860,000	139,000	0,232	231,667	834,000
17-02-2008	01:03:08	13389025,000	165,000	0,275	275,000	990,000
17-02-2008	01:13:08	13389150,000	125,000	0,208	208,333	750,000
17-02-2008	01:23:08	13389241,000	91,000	0,152	151,667	546,000
17-02-2008	01:33:08	13389335,000	94,000	0,157	156,667	564,000
17-02-2008	01:43:08	13389426,000	91,000	0,152	151,667	546,000
17-02-2008	01:53:08	13389516,000	90,000	0,150	150,000	540,000
17-02-2008	02:03:08	13389608,000	92,000	0,153	153,333	552,000
17-02-2008	02:13:08	13389707,000	99,000	0,165	165,000	594,000
17-02-2008	02:23:08	13389805,000	98,000	0,163	163,333	588,000
17-02-2008	02:33:08	13389906,000	101,000	0,168	168,333	606,000
17-02-2008	02:43:08	13390010,000	104,000	0,173	173,333	624,000
17-02-2008	02:53:08	13390162,000	152,000	0,253	253,333	912,000
17-02-2008	03:03:08	13390338,000	176,000	0,293	293,333	1056,000
17-02-2008	03:13:08	13390489,000	151,000	0,252	251,667	906,000
17-02-2008	03:23:08	13390614,000	125,000	0,208	208,333	750,000
17-02-2008	03:33:08	13390685,000	71,000	0,118	118,333	426,000
17-02-2008	03:43:08	13390757,000	72,000	0,120	120,000	432,000
17-02-2008	03:53:08	13390901,000	144,000	0,240	240,000	864,000
17-02-2008	04:03:08	13391046,000	145,000	0,242	241,667	870,000
17-02-2008	04:13:09	13391153,000	107,000	0,178	178,333	642,000
17-02-2008	04:23:09	13391223,000	70,000	0,117	116,667	420,000
17-02-2008	04:33:09	13391292,000	69,000	0,115	115,000	414,000
17-02-2008	04:43:09	13391361,000	69,000	0,115	115,000	414,000
17-02-2008	04:53:09	13391441,000	80,000	0,133	133,333	480,000
17-02-2008	05:03:09	13391528,000	87,000	0,145	145,000	522,000
17-02-2008	05:13:09	13391616,000	88,000	0,147	146,667	528,000
17-02-2008	05:23:09	13391703,000	87,000	0,145	145,000	522,000
17-02-2008	05:33:09	13391776,000	73,000	0,122	121,667	438,000
17-02-2008	05:43:09	13391846,000	70,000	0,117	116,667	420,000
17-02-2008	05:53:09	13391915,000	69,000	0,115	115,000	414,000
17-02-2008	06:03:09	13391982,000	67,000	0,112	111,667	402,000
17-02-2008	06:13:09	13392121,000	139,000	0,232	231,667	834,000
17-02-2008	06:23:09	13392251,000	130,000	0,217	216,667	780,000
17-02-2008	06:33:09	13392314,000	63,000	0,105	105,000	378,000
17-02-2008	06:43:09	13392387,000	73,000	0,122	121,667	438,000
17-02-2008	06:53:09	13392451,000	64,000	0,107	106,667	384,000
17-02-2008	07:03:09	13392513,000	62,000	0,103	103,333	372,000
17-02-2008	07:13:09	13392576,000	63,000	0,105	105,000	378,000
17-02-2008	07:23:09	13392639,000	63,000	0,105	105,000	378,000
17-02-2008	07:33:09	13392702,000	63,000	0,105	105,000	378,000
17-02-2008	07:43:09	13392765,000	63,000	0,105	105,000	378,000
17-02-2008	07:53:09	13392829,000	64,000	0,107	106,667	384,000

17-02-2008	08:03:09	13392893,000	64,000	0,107	106,667	384,000
17-02-2008	08:13:09	13392958,000	65,000	0,108	108,333	390,000
17-02-2008	08:23:09	13393023,000	65,000	0,108	108,333	390,000
17-02-2008	08:33:10	13393131,000	108,000	0,180	180,000	648,000
17-02-2008	08:43:10	13393273,000	142,000	0,237	236,667	852,000
17-02-2008	08:53:10	13393367,000	94,000	0,157	156,667	564,000
17-02-2008	09:03:10	13393460,000	93,000	0,155	155,000	558,000
17-02-2008	09:13:10	13393555,000	95,000	0,158	158,333	570,000
17-02-2008	09:23:10	13393688,000	133,000	0,222	221,667	798,000
17-02-2008	09:33:10	13393867,000	179,000	0,298	298,333	1074,000
17-02-2008	09:43:10	13394049,000	182,000	0,303	303,333	1092,000
17-02-2008	09:53:10	13394231,000	182,000	0,303	303,333	1092,000
17-02-2008	10:03:10	13394420,000	189,000	0,315	315,000	1134,000
17-02-2008	10:13:10	13394564,000	144,000	0,240	240,000	864,000
17-02-2008	10:23:10	13394711,000	147,000	0,245	245,000	882,000
17-02-2008	10:33:10	13394925,000	214,000	0,357	356,667	1284,000
17-02-2008	10:43:10	13395155,000	230,000	0,383	383,333	1380,000
17-02-2008	10:53:10	13395388,000	233,000	0,388	388,333	1398,000
17-02-2008	11:03:10	13395613,000	225,000	0,375	375,000	1350,000
17-02-2008	11:13:10	13395837,000	224,000	0,373	373,333	1344,000
17-02-2008	11:23:10	13396029,000	192,000	0,320	320,000	1152,000
17-02-2008	11:33:10	13396183,000	154,000	0,257	256,667	924,000
17-02-2008	11:43:10	13396329,000	146,000	0,243	243,333	876,000
17-02-2008	11:53:10	13396528,000	199,000	0,332	331,667	1194,000
17-02-2008	12:03:10	13396743,000	215,000	0,358	358,333	1290,000
17-02-2008	12:13:10	13396940,000	197,000	0,328	328,333	1182,000
17-02-2008	12:23:10	13397099,000	159,000	0,265	265,000	954,000
17-02-2008	12:33:10	13397258,000	159,000	0,265	265,000	954,000
17-02-2008	12:43:10	13397483,000	225,000	0,375	375,000	1350,000
17-02-2008	12:53:10	13397715,000	232,000	0,387	386,667	1392,000
17-02-2008	13:03:10	13397957,000	242,000	0,403	403,333	1452,000
17-02-2008	13:13:10	13398199,000	242,000	0,403	403,333	1452,000
17-02-2008	13:23:11	13398439,000	240,000	0,400	400,000	1440,000
17-02-2008	13:33:11	13398699,000	260,000	0,433	433,333	1560,000
17-02-2008	13:43:11	13398960,000	261,000	0,435	435,000	1566,000
17-02-2008	13:53:11	13399216,000	256,000	0,427	426,667	1536,000
17-02-2008	14:03:11	13399466,000	250,000	0,417	416,667	1500,000
17-02-2008	14:13:11	13399712,000	246,000	0,410	410,000	1476,000
17-02-2008	14:23:11	13399957,000	245,000	0,408	408,333	1470,000
17-02-2008	14:33:11	13400203,000	246,000	0,410	410,000	1476,000
17-02-2008	14:43:11	13400440,000	237,000	0,395	395,000	1422,000
17-02-2008	14:53:11	13400660,000	220,000	0,367	366,667	1320,000
17-02-2008	15:03:11	13400839,000	179,000	0,298	298,333	1074,000
17-02-2008	15:13:11	13401011,000	172,000	0,287	286,667	1032,000
17-02-2008	15:23:11	13401168,000	157,000	0,262	261,667	942,000
17-02-2008	15:33:11	13401361,000	193,000	0,322	321,667	1158,000
17-02-2008	15:43:11	13401569,000	208,000	0,347	346,667	1248,000
17-02-2008	15:53:11	13401759,000	190,000	0,317	316,667	1140,000
17-02-2008	16:03:11	13401908,000	149,000	0,248	248,333	894,000
17-02-2008	16:13:11	13402049,000	141,000	0,235	235,000	846,000
17-02-2008	16:23:11	13402192,000	143,000	0,238	238,333	858,000
17-02-2008	16:33:11	13402372,000	180,000	0,300	300,000	1080,000
17-02-2008	16:43:11	13402577,000	205,000	0,342	341,667	1230,000
17-02-2008	16:53:11	13402783,000	206,000	0,343	343,333	1236,000
17-02-2008	17:03:11	13402987,000	204,000	0,340	340,000	1224,000

17-02-2008	17:13:11	13403191,000	204,000	0,340	340,000	1224,000
17-02-2008	17:23:11	13403394,000	203,000	0,338	338,333	1218,000
17-02-2008	17:33:11	13403611,000	217,000	0,362	361,667	1302,000
17-02-2008	17:43:11	13403772,000	161,000	0,268	268,333	966,000
17-02-2008	17:53:11	13403931,000	159,000	0,265	265,000	954,000
17-02-2008	18:03:11	13404159,000	228,000	0,380	380,000	1368,000
17-02-2008	18:13:11	13404390,000	231,000	0,385	385,000	1386,000
17-02-2008	18:23:11	13404618,000	228,000	0,380	380,000	1368,000
17-02-2008	18:33:11	13404835,000	217,000	0,362	361,667	1302,000
17-02-2008	18:43:11	13405037,000	202,000	0,337	336,667	1212,000
17-02-2008	18:53:11	13405236,000	199,000	0,332	331,667	1194,000
17-02-2008	19:03:11	13405385,000	149,000	0,248	248,333	894,000
17-02-2008	19:13:11	13405534,000	149,000	0,248	248,333	894,000
17-02-2008	19:23:11	13405682,000	148,000	0,247	246,667	888,000
17-02-2008	19:33:11	13405822,000	140,000	0,233	233,333	840,000
17-02-2008	19:43:11	13405982,000	160,000	0,267	266,667	960,000
17-02-2008	19:53:11	13406184,000	202,000	0,337	336,667	1212,000
17-02-2008	20:03:11	13406379,000	195,000	0,325	325,000	1170,000
17-02-2008	20:13:11	13406536,000	157,000	0,262	261,667	942,000
17-02-2008	20:23:11	13406693,000	157,000	0,262	261,667	942,000
17-02-2008	20:33:11	13406897,000	204,000	0,340	340,000	1224,000
17-02-2008	20:43:11	13407112,000	215,000	0,358	358,333	1290,000
17-02-2008	20:53:11	13407409,000	297,000	0,495	495,000	1782,000
17-02-2008	21:03:11	13407711,000	302,000	0,503	503,333	1812,000
17-02-2008	21:13:11	13408014,000	303,000	0,505	505,000	1818,000
17-02-2008	21:23:12	13408274,000	260,000	0,433	433,333	1560,000
17-02-2008	21:33:12	13408511,000	237,000	0,395	395,000	1422,000
17-02-2008	21:43:12	13408729,000	218,000	0,363	363,333	1308,000
17-02-2008	21:53:12	13408905,000	176,000	0,293	293,333	1056,000
17-02-2008	22:03:12	13409114,000	209,000	0,348	348,333	1254,000
17-02-2008	22:13:12	13409355,000	241,000	0,402	401,667	1446,000
17-02-2008	22:23:12	13409595,000	240,000	0,400	400,000	1440,000
17-02-2008	22:33:12	13409823,000	228,000	0,380	380,000	1368,000
17-02-2008	22:43:12	13410042,000	219,000	0,365	365,000	1314,000
17-02-2008	22:53:12	13410255,000	213,000	0,355	355,000	1278,000
17-02-2008	23:03:12	13410444,000	189,000	0,315	315,000	1134,000
17-02-2008	23:13:12	13410583,000	139,000	0,232	231,667	834,000
17-02-2008	23:23:12	13410714,000	131,000	0,218	218,333	786,000
17-02-2008	23:33:12	13410845,000	131,000	0,218	218,333	786,000
17-02-2008	23:43:12	13410973,000	128,000	0,213	213,333	768,000
17-02-2008	23:53:12	13411139,000	166,000	0,277	276,667	996,000
18-02-2008	00:00:04	13411272,000	133,000	0,323	322,816	1162,136

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	15-Fev	16-Fev	17-Fev	Caudais Médios m3/h	Caudal Médio Horário	Factor de Consumo
Hora	Caudal (m3/h)											
00:00-00:10	814,7	1143,2	1005,2	762,0	714,0	924,0	696,0	924,0	642,0	847,233	721,094	0,875
00:10-00:20	786,0	1152,0	888,0	702,0	690,0	654,0	642,0	1002,0	642,0	795,333		0,821
00:20-00:30	750,0	738,0	594,0	666,0	654,0	450,0	600,0	1020,0	612,0	676,000		0,698
00:30-00:40	738,0	726,0	588,0	630,0	624,0	444,0	576,0	960,0	606,0	654,667		0,676
00:40-00:50	726,0	738,0	552,0	624,0	684,0	426,0	552,0	936,0	834,0	674,667		0,697
00:50-01:00	696,0	732,0	540,0	624,0	732,0	408,0	534,0	852,0	990,0	678,667		0,701
01:00-01:10	1074,0	720,0	528,0	606,0	762,0	402,0	528,0	918,0	750,0	698,667	769,556	0,722
01:10-01:20	1038,0	720,0	516,0	846,0	1062,0	390,0	942,0	1212,0	546,0	808,000		0,835
01:20-01:30	840,0	786,0	528,0	1032,0	1212,0	516,0	930,0	1116,0	564,0	836,000		0,864
01:30-01:40	594,0	852,0	540,0	750,0	876,0	882,0	912,0	750,0	546,0	744,667		0,769
01:40-01:50	648,0	1326,0	918,0	564,0	570,0	948,0	654,0	738,0	540,0	767,333		0,793
01:50-02:00	996,0	1290,0	870,0	558,0	582,0	714,0	570,0	732,0	552,0	762,667		0,788
02:00-02:10	990,0	882,0	456,0	624,0	588,0	756,0	708,0	960,0	594,0	728,667	796,000	0,753
02:10-02:20	1038,0	780,0	438,0	1014,0	1020,0	762,0	900,0	1158,0	588,0	855,333		0,883
02:20-02:30	984,0	600,0	438,0	1002,0	1020,0	930,0	882,0	1140,0	606,0	844,667		0,872
02:30-02:40	648,0	768,0	432,0	1026,0	1014,0	912,0	624,0	1134,0	624,0	798,000		0,824
02:40-02:50	660,0	1026,0	420,0	996,0	1002,0	930,0	426,0	1122,0	912,0	832,667		0,860
02:50-03:00	660,0	1008,0	426,0	558,0	684,0	936,0	432,0	690,0	1056,0	716,667		0,740
03:00-03:10	666,0	1020,0	420,0	552,0	552,0	732,0	426,0	684,0	906,0	662,000	581,333	0,684
03:10-03:20	630,0	1020,0	420,0	546,0	552,0	504,0	426,0	684,0	750,0	614,667		0,635
03:20-03:30	516,0	558,0	432,0	522,0	582,0	492,0	420,0	678,0	426,0	514,000		0,531
03:30-03:40	516,0	546,0	420,0	504,0	576,0	486,0	414,0	678,0	432,0	508,000		0,525
03:40-03:50	516,0	534,0	534,0	492,0	540,0	504,0	402,0	684,0	864,0	563,333		0,582
03:50-04:00	750,0	528,0	852,0	474,0	552,0	528,0	408,0	672,0	870,0	626,000		0,647
04:00-04:10	960,0	528,0	858,0	462,0	546,0	462,0	702,0	672,0	642,0	648,000	605,667	0,669
04:10-04:20	726,0	528,0	852,0	498,0	762,0	840,0	834,0	654,0	420,0	679,333		0,702
04:20-04:30	504,0	522,0	864,0	912,0	984,0	906,0	486,0	738,0	414,0	703,333		0,726
04:30-04:40	480,0	528,0	456,0	828,0	696,0	462,0	372,0	1080,0	414,0	590,667		0,610
04:40-04:50	474,0	522,0	402,0	444,0	510,0	432,0	432,0	936,0	480,0	514,667		0,532
04:50-05:00	456,0	684,0	390,0	432,0	510,0	432,0	468,0	588,0	522,0	498,000		0,514
05:00-05:10	456,0	972,0	588,0	432,0	510,0	432,0	462,0	546,0	528,0	547,333	489,000	0,565
05:10-05:20	450,0	792,0	840,0	468,0	492,0	444,0	438,0	540,0	522,0	554,000		0,572
05:20-05:30	438,0	522,0	612,0	450,0	480,0	432,0	372,0	582,0	438,0	480,667		0,496
05:30-05:40	438,0	510,0	390,0	420,0	462,0	462,0	366,0	540,0	420,0	445,333		0,460
05:40-05:50	438,0	510,0	390,0	420,0	456,0	516,0	396,0	522,0	414,0	451,333		0,466
05:50-06:00	426,0	504,0	390,0	414,0	432,0	558,0	444,0	528,0	402,0	455,333		0,470
06:00-06:10	450,0	486,0	390,0	414,0	426,0	564,0	474,0	576,0	834,0	512,667	555,778	0,530
06:10-06:20	432,0	486,0	390,0	414,0	438,0	588,0	504,0	624,0	780,0	517,333		0,534
06:20-06:30	582,0	468,0	390,0	414,0	420,0	984,0	498,0	654,0	378,0	532,000		0,550
06:30-06:40	894,0	468,0	390,0	450,0	414,0	1044,0	660,0	660,0	438,0	602,000		0,622
06:40-06:50	654,0	450,0	390,0	462,0	780,0	546,0	924,0	684,0	384,0	586,000		0,605
06:50-07:00	402,0	474,0	432,0	906,0	918,0	540,0	552,0	666,0	372,0	584,667		0,604
07:00-07:10	402,0	498,0	528,0	834,0	492,0	534,0	324,0	858,0	378,0	538,667	603,667	0,556
07:10-07:20	402,0	438,0	558,0	444,0	414,0	540,0	432,0	984,0	378,0	510,000		0,527
07:20-07:30	402,0	522,0	840,0	444,0	516,0	516,0	444,0	606,0	378,0	518,667		0,536
07:30-07:40	402,0	894,0	1062,0	594,0	576,0	900,0	444,0	534,0	378,0	642,667		0,664
07:40-07:50	420,0	720,0	900,0	750,0	624,0	936,0	936,0	528,0	384,0	688,667		0,711
07:50-08:00	408,0	420,0	762,0	1068,0	960,0	942,0	1020,0	546,0	384,0	723,333		0,747

08:00-08:10	408,0	420,0	726,0	1170,0	960,0	948,0	1002,0	558,0	390,0	731,333	869,333	0,755
08:10-08:20	402,0	414,0	600,0	1164,0	954,0	960,0	1014,0	966,0	390,0	762,667		0,788
08:20-08:30	894,0	420,0	1008,0	1170,0	966,0	1008,0	1020,0	1266,0	648,0	933,333		0,964
08:30-08:40	972,0	438,0	1014,0	1176,0	1098,0	912,0	744,0	1644,0	852,0	983,333		1,016
08:40-08:50	972,0	432,0	1014,0	1230,0	1206,0	774,0	744,0	1440,0	564,0	930,667		0,961
08:50-09:00	978,0	426,0	1020,0	888,0	882,0	972,0	1062,0	1086,0	558,0	874,667		0,903
09:00-09:10	900,0	504,0	1020,0	744,0	888,0	1224,0	1080,0	1074,0	570,0	889,333	1036,778	0,919
09:10-09:20	624,0	924,0	972,0	954,0	1236,0	1248,0	1164,0	900,0	798,0	980,000		1,012
09:20-09:30	714,0	930,0	786,0	1086,0	1242,0	1350,0	1218,0	816,0	1074,0	1024,000		1,058
09:30-09:40	1008,0	960,0	924,0	1062,0	1260,0	1368,0	1254,0	1122,0	1092,0	1116,667		1,153
09:40-09:50	1008,0	978,0	1122,0	1056,0	1140,0	1410,0	1236,0	1188,0	1092,0	1136,667		1,174
09:50-10:00	996,0	816,0	1098,0	1050,0	1062,0	1386,0	1008,0	1116,0	1134,0	1074,000		1,109
10:00-10:10	1134,0	822,0	1110,0	738,0	948,0	858,0	828,0	1254,0	864,0	950,667	1007,222	0,982
10:10-10:20	1122,0	1194,0	1134,0	642,0	708,0	774,0	852,0	1320,0	882,0	958,667		0,990
10:20-10:30	930,0	1224,0	1056,0	630,0	612,0	834,0	864,0	1302,0	1284,0	970,667		1,003
10:30-10:40	846,0	1248,0	882,0	642,0	504,0	1278,0	1110,0	990,0	1380,0	986,667		1,019
10:40-10:50	858,0	1266,0	858,0	834,0	618,0	1728,0	1110,0	960,0	1398,0	1070,000		1,105
10:50-11:00	1020,0	1266,0	864,0	1062,0	900,0	1782,0	762,0	954,0	1350,0	1106,667		1,143
11:00-11:10	1212,0	1254,0	1230,0	960,0	816,0	1164,0	732,0	1266,0	1344,0	1108,667	1019,222	1,145
11:10-11:20	1170,0	894,0	1338,0	714,0	594,0	930,0	810,0	1386,0	1152,0	998,667		1,032
11:20-11:30	834,0	828,0	1158,0	702,0	564,0	936,0	786,0	1200,0	924,0	881,333		0,910
11:30-11:40	768,0	822,0	960,0	954,0	558,0	1182,0	1134,0	930,0	876,0	909,333		0,939
11:40-11:50	1032,0	1110,0	834,0	1170,0	750,0	1350,0	1134,0	894,0	1194,0	1052,000		1,087
11:50-12:00	1170,0	1140,0	882,0	1284,0	966,0	1332,0	1164,0	1260,0	1290,0	1165,333		1,204
12:00-12:10	1224,0	1098,0	1284,0	1326,0	1020,0	1320,0	1224,0	1302,0	1182,0	1220,000	1290,591	1,260
12:10-12:20	1296,0	870,0	1290,0	1374,0	1021,9	1332,0	1212,0	1344,0	954,0	1188,215		1,227
12:20-12:30	1362,0	858,0	1302,0	1440,0	1236,0	1368,0	1230,0	1362,0	954,0	1234,667		1,275
12:30-12:40	1338,0	1248,0	1320,0	1416,0	1206,0	1386,0	1242,0	1392,0	1350,0	1322,000		1,365
12:40-12:50	1368,0	1740,0	1356,0	1398,0	1206,0	1506,0	1062,0	1416,0	1392,0	1382,667		1,428
12:50-13:00	1338,0	1992,0	1344,0	1326,0	1224,0	1512,0	948,0	1428,0	1452,0	1396,000		1,442
13:00-13:10	1338,0	2070,0	1374,0	1218,0	1194,0	1536,0	1272,0	1452,0	1452,0	1434,000	1417,667	1,481
13:10-13:20	1470,0	1956,0	1380,0	1428,0	882,0	1608,0	1422,0	1626,0	1440,0	1468,000		1,516
13:20-13:30	1542,0	1518,0	1368,0	1458,0	996,0	1560,0	1398,0	1614,0	1560,0	1446,000		1,494
13:30-13:40	1518,0	1536,0	1392,0	1434,0	1110,0	1554,0	1398,0	1578,0	1566,0	1454,000		1,502
13:40-13:50	1512,0	1530,0	1296,0	1392,0	1044,0	1434,0	1422,0	1560,0	1536,0	1414,000		1,461
13:50-14:00	1536,0	1536,0	1104,0	1038,0	948,0	1266,0	1242,0	1440,0	1500,0	1290,000		1,332
14:00-14:10	1536,0	1548,0	1134,0	1284,0	786,0	1236,0	948,0	1398,0	1476,0	1260,667	1216,556	1,302
14:10-14:20	1506,0	1356,0	1392,0	1158,0	744,0	1566,0	810,0	1392,0	1470,0	1266,000		1,308
14:20-14:30	1482,0	1344,0	1566,0	882,0	732,0	1566,0	816,0	1380,0	1476,0	1249,333		1,290
14:30-14:40	1338,0	1344,0	1440,0	834,0	930,0	1512,0	1224,0	1248,0	1422,0	1254,667		1,296
14:40-14:50	1056,0	1362,0	1164,0	822,0	1128,0	1206,0	1296,0	1122,0	1320,0	1164,000		1,202
14:50-15:00	1002,0	1338,0	1086,0	1062,0	1134,0	1122,0	1242,0	882,0	1074,0	1104,667		1,141
15:00-15:10	1086,0	1320,0	1074,0	1248,0	996,0	1086,0	1230,0	900,0	1032,0	1108,000	1145,444	1,144
15:10-15:20	1344,0	1068,0	1260,0	1230,0	864,0	1080,0	1008,0	1002,0	942,0	1088,667		1,124
15:20-15:30	1290,0	996,0	1362,0	1236,0	954,0	1266,0	852,0	1146,0	1158,0	1140,000		1,178
15:30-15:40	1266,0	936,0	1356,0	1236,0	1260,0	1488,0	1110,0	1146,0	1248,0	1227,333		1,268
15:40-15:50	960,0	1068,0	1338,0	1224,0	1248,0	1488,0	1188,0	948,0	1140,0	1178,000		1,217
15:50-16:00	996,0	1230,0	1332,0	1014,0	1242,0	1482,0	1182,0	804,0	894,0	1130,667		1,168
16:00-16:10	1272,0	1092,0	1320,0	978,0	1236,0	1512,0	1176,0	1002,0	846,0	1159,333	1164,333	1,197
16:10-16:20	1266,0	852,0	1008,0	1176,0	1200,0	1506,0	1194,0	1146,0	858,0	1134,000		1,171
16:20-16:30	1260,0	762,0	864,0	1290,0	1212,0	1470,0	1182,0	1146,0	1080,0	1140,667		1,178
16:30-16:40	1236,0	708,0	1182,0	1278,0	990,0	1434,0	1164,0	1188,0	1230,0	1156,667		1,195
16:40-16:50	1314,0	1002,0	1236,0	1272,0	996,0	1392,0	1002,0	1200,0	1236,0	1183,333		1,222
16:50-17:00	1380,0	1254,0	1242,0	1272,0	1398,0	1128,0	810,0	1200,0	1224,0	1212,000		1,252

17:00-17:10	1428,0	1248,0	1230,0	1188,0	1428,0	990,0	1044,0	1254,0	1224,0	1226,000	1216,889	1,266
17:10-17:20	1404,0	1272,0	1242,0	1098,0	1392,0	1254,0	1248,0	1362,0	1218,0	1276,667		1,319
17:20-17:30	1416,0	1242,0	1224,0	954,0	1404,0	1386,0	1326,0	1362,0	1302,0	1290,667		1,333
17:30-17:40	1392,0	1230,0	1182,0	774,0	1296,0	1452,0	1332,0	1314,0	966,0	1215,333		1,255
17:40-17:50	1380,0	810,0	834,0	948,0	1200,0	1512,0	1320,0	1320,0	954,0	1142,000		1,180
17:50-18:00	1332,0	708,0	852,0	1122,0	774,0	1548,0	1338,0	1314,0	1368,0	1150,667		1,189
18:00-18:10	1254,0	1062,0	1194,0	1158,0	684,0	1560,0	1098,0	1326,0	1386,0	1191,333	1052,377	1,231
18:10-18:20	1248,0	1062,0	1212,0	936,0	672,0	1542,0	912,0	1158,0	1368,0	1123,333		1,160
18:20-18:30	1230,0	1074,0	1008,0	822,0	672,0	1182,0	762,0	1164,0	1302,0	1024,000		1,058
18:30-18:40	1254,0	1092,0	870,0	792,0	804,0	1092,0	786,0	1164,0	1212,0	1007,333		1,040
18:40-18:50	1278,0	1080,0	764,4	708,0	1050,0	1002,0	972,0	948,0	1194,0	999,598		1,032
18:50-19:00	1290,0	1098,0	744,0	714,0	906,0	1062,0	1146,0	864,0	894,0	968,667		1,001
19:00-19:10	1266,0	1032,0	762,0	780,0	666,0	1362,0	990,0	1188,0	894,0	993,333	1059,048	1,026
19:10-19:20	1008,0	768,0	918,0	1098,0	666,0	1320,0	762,0	1182,0	888,0	956,667		0,988
19:20-19:30	978,0	726,0	1248,0	1092,0	1176,0	978,0	840,0	1266,0	840,0	1016,000		1,049
19:30-19:40	972,0	732,0	1362,0	1122,0	1194,0	1020,0	1170,0	1212,0	960,0	1082,667		1,118
19:40-19:50	1194,0	846,0	1310,6	1122,0	1212,0	1044,0	1188,0	972,0	1212,0	1122,286		1,159
19:50-20:00	1314,0	1146,0	1320,0	1164,0	1206,0	1332,0	1182,0	816,0	1170,0	1183,333		1,222
20:00-20:10	1206,0	1104,0	1320,0	1230,0	1254,0	1320,0	1188,0	828,0	942,0	1154,667	1216,333	1,193
20:10-20:20	978,0	762,0	1296,0	1308,0	1296,0	1410,0	1320,0	894,0	942,0	1134,000		1,171
20:20-20:30	1026,0	744,0	1026,0	1032,0	1290,0	1386,0	1296,0	1182,0	1224,0	1134,000		1,171
20:30-20:40	1224,0	876,0	924,0	984,0	1158,0	1350,0	1302,0	1272,0	1290,0	1153,333		1,191
20:40-20:50	1428,0	1134,0	1176,0	1326,0	1146,0	1368,0	1374,0	1380,0	1782,0	1346,000		1,390
20:50-21:00	1446,0	1254,0	1182,0	1344,0	1260,0	1392,0	1512,0	1182,0	1812,0	1376,000		1,421
21:00-21:10	1422,0	1266,0	1206,0	1368,0	1416,0	1458,0	1470,0	1050,0	1818,0	1386,000	1316,444	1,432
21:10-21:20	1422,0	1302,0	1200,0	1368,0	1350,0	1518,0	1404,0	1236,0	1560,0	1373,333		1,419
21:20-21:30	1410,0	1284,0	1212,0	1230,0	1338,0	1530,0	1242,0	1392,0	1422,0	1340,000		1,384
21:30-21:40	1392,0	1278,0	1284,0	1236,0	1326,0	1506,0	1404,0	1368,0	1308,0	1344,667		1,389
21:40-21:50	1254,0	1020,0	1260,0	1260,0	1344,0	1254,0	1524,0	1236,0	1056,0	1245,333		1,286
21:50-22:00	1104,0	870,0	1272,0	1242,0	1254,0	1266,0	1470,0	1152,0	1254,0	1209,333		1,249
22:00-22:10	948,0	1116,0	1260,0	1248,0	1176,0	1548,0	1356,0	1176,0	1446,0	1252,667	1192,556	1,294
22:10-22:20	1182,0	1104,0	1266,0	1308,0	1152,0	1302,0	1350,0	1218,0	1440,0	1258,000		1,299
22:20-22:30	1338,0	1116,0	1266,0	1338,0	1086,0	1158,0	1362,0	1134,0	1368,0	1240,667		1,281
22:30-22:40	1236,0	1152,0	1284,0	1278,0	1164,0	1212,0	1344,0	1128,0	1314,0	1234,667		1,275
22:40-22:50	1200,0	1092,0	1146,0	1260,0	1002,0	1092,0	1332,0	1116,0	1278,0	1168,667		1,207
22:50-23:00	1200,0	1104,0	972,0	888,0	996,0	762,0	1050,0	900,0	1134,0	1000,667		1,034
23:00-23:10	1176,0	1092,0	1020,0	846,0	1008,0	696,0	936,0	768,0	834,0	930,667	892,678	0,961
23:10-23:20	1086,0	792,0	1020,0	804,0	660,0	684,0	918,0	1020,0	786,0	863,333		0,892
23:20-23:30	786,0	732,0	918,0	732,0	630,0	678,0	894,0	1104,0	786,0	806,667		0,833
23:30-23:40	744,0	780,0	1212,0	918,0	552,0	996,0	1272,0	960,0	768,0	911,333		0,941
23:40-23:50	732,0	774,0	1278,0	1146,0	510,0	1080,0	1332,0	702,0	996,0	950,000		0,981
23:50-00:00	744,0	900,0	1017,4	1000,0	684,2	813,2	1034,4	691,3	1162,1	894,066		0,923

Caudal Médio Diário = 968,149 m3/h

Consumo Diário *Portela*
Caudal (m3/h)
1600
1400
1200
1000
800
600
400
200
0
00:00-00:10
00:40-00:50
01:20-01:30
02:00-02:10
02:40-02:50
03:20-03:30
04:00-04:10
04:40-04:50
05:20-05:30
06:00-06:10
06:40-06:50
07:20-07:30
08:00-08:10
08:40-08:50
09:20-09:30
10:00-10:10
10:40-10:50
11:20-11:30
12:00-12:10
12:40-12:50
13:20-13:30
14:00-14:10
14:40-14:50
15:20-15:30
16:00-16:10
16:40-16:50
17:20-17:30
18:00-18:10
18:40-18:50
19:20-19:30
20:00-20:10
20:40-20:50
21:20-21:30
22:00-22:10
22:40-22:50
23:20-23:30
Hora

Consumo Médio Horário *Portela*
Caudal (m3/h)
1600
1400
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CONSUMOS – RASA

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	30766466,000				
09-02-2008	00:07:45	30766546,000	80,000	0,172	171,674	618,026
09-02-2008	00:17:45	30766642,000	96,000	0,160	160,000	576,000
09-02-2008	00:27:45	30766732,000	90,000	0,150	150,000	540,000
09-02-2008	00:37:45	30766820,000	88,000	0,147	146,667	528,000
09-02-2008	00:47:45	30766906,000	86,000	0,143	143,333	516,000
09-02-2008	00:57:46	30767004,000	98,000	0,163	163,333	588,000
09-02-2008	01:07:46	30767242,000	238,000	0,397	396,667	1428,000
09-02-2008	01:17:46	30767478,000	236,000	0,393	393,333	1416,000
09-02-2008	01:27:46	30767648,000	170,000	0,283	283,333	1020,000
09-02-2008	01:37:46	30767726,000	78,000	0,130	130,000	468,000
09-02-2008	01:47:46	30767832,000	106,000	0,177	176,667	636,000
09-02-2008	01:57:46	30768064,000	232,000	0,387	386,667	1392,000
09-02-2008	02:07:46	30768298,000	234,000	0,390	390,000	1404,000
09-02-2008	02:17:46	30768532,000	234,000	0,390	390,000	1404,000
09-02-2008	02:27:46	30768742,000	210,000	0,350	350,000	1260,000
09-02-2008	02:37:46	30768818,000	76,000	0,127	126,667	456,000
09-02-2008	02:47:46	30768896,000	78,000	0,130	130,000	468,000
09-02-2008	02:57:46	30768976,000	80,000	0,133	133,333	480,000
09-02-2008	03:07:46	30769056,000	80,000	0,133	133,333	480,000
09-02-2008	03:17:46	30769138,000	82,000	0,137	136,667	492,000
09-02-2008	03:27:46	30769212,000	74,000	0,123	123,333	444,000
09-02-2008	03:37:46	30769286,000	74,000	0,123	123,333	444,000
09-02-2008	03:47:46	30769360,000	74,000	0,123	123,333	444,000
09-02-2008	03:57:46	30769516,000	156,000	0,260	260,000	936,000
09-02-2008	04:07:46	30769752,000	236,000	0,393	393,333	1416,000
09-02-2008	04:17:46	30769888,000	136,000	0,227	226,667	816,000
09-02-2008	04:27:46	30769958,000	70,000	0,117	116,667	420,000
09-02-2008	04:37:46	30770020,000	62,000	0,103	103,333	372,000
09-02-2008	04:47:46	30770082,000	62,000	0,103	103,333	372,000
09-02-2008	04:57:46	30770142,000	60,000	0,100	100,000	360,000
09-02-2008	05:07:46	30770200,000	58,000	0,097	96,667	348,000
09-02-2008	05:17:46	30770258,000	58,000	0,097	96,667	348,000
09-02-2008	05:27:47	30770314,000	56,000	0,093	93,333	336,000
09-02-2008	05:37:47	30770372,000	58,000	0,097	96,667	348,000
09-02-2008	05:47:47	30770428,000	56,000	0,093	93,333	336,000
09-02-2008	05:57:47	30770482,000	54,000	0,090	90,000	324,000
09-02-2008	06:07:47	30770538,000	56,000	0,093	93,333	336,000
09-02-2008	06:17:47	30770594,000	56,000	0,093	93,333	336,000
09-02-2008	06:27:47	30770702,000	108,000	0,180	180,000	648,000
09-02-2008	06:37:47	30770926,000	224,000	0,373	373,333	1344,000
09-02-2008	06:47:47	30771058,000	132,000	0,220	220,000	792,000
09-02-2008	06:57:47	30771094,000	36,000	0,060	60,000	216,000
09-02-2008	07:07:47	30771130,000	36,000	0,060	60,000	216,000
09-02-2008	07:17:47	30771166,000	36,000	0,060	60,000	216,000
09-02-2008	07:27:47	30771202,000	36,000	0,060	60,000	216,000
09-02-2008	07:37:47	30771238,000	36,000	0,060	60,000	216,000
09-02-2008	07:47:47	30771276,000	38,000	0,063	63,333	228,000
09-02-2008	07:57:47	30771314,000	38,000	0,063	63,333	228,000
09-02-2008	08:07:47	30771352,000	38,000	0,063	63,333	228,000
09-02-2008	08:17:47	30771388,000	36,000	0,060	60,000	216,000

09-02-2008	08:27:47	30771590,000	202,000	0,337	336,667	1212,000
09-02-2008	08:37:47	30771888,000	298,000	0,497	496,667	1788,000
09-02-2008	08:47:47	30772192,000	304,000	0,507	506,667	1824,000
09-02-2008	08:57:47	30772506,000	314,000	0,523	523,333	1884,000
09-02-2008	09:07:47	30772780,000	274,000	0,457	456,667	1644,000
09-02-2008	09:17:47	30772896,000	116,000	0,193	193,333	696,000
09-02-2008	09:27:47	30773038,000	142,000	0,237	236,667	852,000
09-02-2008	09:37:47	30773312,000	274,000	0,457	456,667	1644,000
09-02-2008	09:47:47	30773580,000	268,000	0,447	446,667	1608,000
09-02-2008	09:57:47	30773844,000	264,000	0,440	440,000	1584,000
09-02-2008	10:07:47	30774118,000	274,000	0,457	456,667	1644,000
09-02-2008	10:17:47	30774370,000	252,000	0,420	420,000	1512,000
09-02-2008	10:27:47	30774526,000	156,000	0,260	260,000	936,000
09-02-2008	10:37:47	30774660,000	134,000	0,223	223,333	804,000
09-02-2008	10:47:47	30774796,000	136,000	0,227	226,667	816,000
09-02-2008	10:57:47	30774998,000	202,000	0,337	336,667	1212,000
09-02-2008	11:07:47	30775272,000	274,000	0,457	456,667	1644,000
09-02-2008	11:17:47	30775530,000	258,000	0,430	430,000	1548,000
09-02-2008	11:27:47	30775684,000	154,000	0,257	256,667	924,000
09-02-2008	11:37:47	30775816,000	132,000	0,220	220,000	792,000
09-02-2008	11:47:47	30776046,000	230,000	0,383	383,333	1380,000
09-02-2008	11:57:47	30776320,000	274,000	0,457	456,667	1644,000
09-02-2008	12:07:47	30776604,000	284,000	0,473	473,333	1704,000
09-02-2008	12:17:47	30776922,000	318,000	0,530	530,000	1908,000
09-02-2008	12:27:47	30777284,000	362,000	0,603	603,333	2172,000
09-02-2008	12:37:47	30777648,000	364,000	0,607	606,667	2184,000
09-02-2008	12:47:47	30778012,000	364,000	0,607	606,667	2184,000
09-02-2008	12:57:48	30778374,000	362,000	0,603	603,333	2172,000
09-02-2008	13:07:48	30778706,000	332,000	0,553	553,333	1992,000
09-02-2008	13:17:48	30779042,000	336,000	0,560	560,000	2016,000
09-02-2008	13:27:48	30779382,000	340,000	0,567	566,667	2040,000
09-02-2008	13:37:48	30779722,000	340,000	0,567	566,667	2040,000
09-02-2008	13:47:48	30780052,000	330,000	0,550	550,000	1980,000
09-02-2008	13:57:48	30780390,000	338,000	0,563	563,333	2028,000
09-02-2008	14:07:48	30780726,000	336,000	0,560	560,000	2016,000
09-02-2008	14:17:48	30781058,000	332,000	0,553	553,333	1992,000
09-02-2008	14:27:48	30781380,000	322,000	0,537	536,667	1932,000
09-02-2008	14:37:48	30781678,000	298,000	0,497	496,667	1788,000
09-02-2008	14:47:48	30781876,000	198,000	0,330	330,000	1188,000
09-02-2008	14:57:48	30782074,000	198,000	0,330	330,000	1188,000
09-02-2008	15:07:48	30782306,000	232,000	0,387	386,667	1392,000
09-02-2008	15:17:48	30782628,000	322,000	0,537	536,667	1932,000
09-02-2008	15:27:48	30782922,000	294,000	0,490	490,000	1764,000
09-02-2008	15:37:48	30783216,000	294,000	0,490	490,000	1764,000
09-02-2008	15:47:48	30783396,000	180,000	0,300	300,000	1080,000
09-02-2008	15:57:48	30783600,000	204,000	0,340	340,000	1224,000
09-02-2008	16:07:48	30783940,000	340,000	0,567	566,667	2040,000
09-02-2008	16:17:48	30784276,000	336,000	0,560	560,000	2016,000
09-02-2008	16:27:48	30784620,000	344,000	0,573	573,333	2064,000
09-02-2008	16:37:48	30784922,000	302,000	0,503	503,333	1812,000
09-02-2008	16:47:48	30785214,000	292,000	0,487	486,667	1752,000
09-02-2008	16:57:48	30785504,000	290,000	0,483	483,333	1740,000
09-02-2008	17:07:48	30785788,000	284,000	0,473	473,333	1704,000
09-02-2008	17:17:48	30786078,000	290,000	0,483	483,333	1740,000
09-02-2008	17:27:48	30786368,000	290,000	0,483	483,333	1740,000
09-02-2008	17:37:48	30786658,000	290,000	0,483	483,333	1740,000

09-02-2008	17:47:48	30786950,000	292,000	0,487	486,667	1752,000
09-02-2008	17:57:48	30787234,000	284,000	0,473	473,333	1704,000
09-02-2008	18:07:48	30787522,000	288,000	0,480	480,000	1728,000
09-02-2008	18:17:48	30787808,000	286,000	0,477	476,667	1716,000
09-02-2008	18:27:48	30788096,000	288,000	0,480	480,000	1728,000
09-02-2008	18:37:48	30788384,000	288,000	0,480	480,000	1728,000
09-02-2008	18:47:48	30788672,000	288,000	0,480	480,000	1728,000
09-02-2008	18:57:48	30788956,000	284,000	0,473	473,333	1704,000
09-02-2008	19:07:48	30789248,000	292,000	0,487	486,667	1752,000
09-02-2008	19:17:48	30789436,000	188,000	0,313	313,333	1128,000
09-02-2008	19:27:48	30789606,000	170,000	0,283	283,333	1020,000
09-02-2008	19:37:49	30789766,000	160,000	0,267	266,667	960,000
09-02-2008	19:47:49	30789988,000	222,000	0,370	370,000	1332,000
09-02-2008	19:57:49	30790298,000	310,000	0,517	516,667	1860,000
09-02-2008	20:07:49	30790582,000	284,000	0,473	473,333	1704,000
09-02-2008	20:17:49	30790774,000	192,000	0,320	320,000	1152,000
09-02-2008	20:27:49	30790958,000	184,000	0,307	306,667	1104,000
09-02-2008	20:37:49	30791166,000	208,000	0,347	346,667	1248,000
09-02-2008	20:47:49	30791438,000	272,000	0,453	453,333	1632,000
09-02-2008	20:57:49	30791710,000	272,000	0,453	453,333	1632,000
09-02-2008	21:07:49	30791982,000	272,000	0,453	453,333	1632,000
09-02-2008	21:17:49	30792256,000	274,000	0,457	456,667	1644,000
09-02-2008	21:27:49	30792532,000	276,000	0,460	460,000	1656,000
09-02-2008	21:37:49	30792808,000	276,000	0,460	460,000	1656,000
09-02-2008	21:47:49	30793088,000	280,000	0,467	466,667	1680,000
09-02-2008	21:57:49	30793314,000	226,000	0,377	376,667	1356,000
09-02-2008	22:07:49	30793480,000	166,000	0,277	276,667	996,000
09-02-2008	22:17:49	30793736,000	256,000	0,427	426,667	1536,000
09-02-2008	22:27:49	30794040,000	304,000	0,507	506,667	1824,000
09-02-2008	22:37:49	30794314,000	274,000	0,457	456,667	1644,000
09-02-2008	22:47:49	30794576,000	262,000	0,437	436,667	1572,000
09-02-2008	22:57:49	30794836,000	260,000	0,433	433,333	1560,000
09-02-2008	23:07:49	30795096,000	260,000	0,433	433,333	1560,000
09-02-2008	23:17:49	30795312,000	216,000	0,360	360,000	1296,000
09-02-2008	23:27:49	30795420,000	108,000	0,180	180,000	648,000
09-02-2008	23:37:49	30795518,000	98,000	0,163	163,333	588,000
09-02-2008	23:47:49	30795616,000	98,000	0,163	163,333	588,000
09-02-2008	23:57:49	30795718,000	102,000	0,170	170,000	612,000
10-02-2008	00:00:25	30795780,000	62,000	0,397	397,436	1430,769

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:25	30795780,000				
10-02-2008	00:07:49	30795972,000	192,000	0,432	432,432	1556,757
10-02-2008	00:17:49	30796220,000	248,000	0,413	413,333	1488,000
10-02-2008	00:27:49	30796322,000	102,000	0,170	170,000	612,000
10-02-2008	00:37:49	30796420,000	98,000	0,163	163,333	588,000
10-02-2008	00:47:49	30796518,000	98,000	0,163	163,333	588,000
10-02-2008	00:57:49	30796616,000	98,000	0,163	163,333	588,000
10-02-2008	01:07:50	30796710,000	94,000	0,157	156,667	564,000
10-02-2008	01:17:50	30796800,000	90,000	0,150	150,000	540,000
10-02-2008	01:27:50	30796894,000	94,000	0,157	156,667	564,000
10-02-2008	01:37:50	30797010,000	116,000	0,193	193,333	696,000
10-02-2008	01:47:50	30797322,000	312,000	0,520	520,000	1872,000
10-02-2008	01:57:50	30797632,000	310,000	0,517	516,667	1860,000
10-02-2008	02:07:50	30797786,000	154,000	0,257	256,667	924,000
10-02-2008	02:17:50	30797886,000	100,000	0,167	166,667	600,000
10-02-2008	02:27:50	30797968,000	82,000	0,137	136,667	492,000
10-02-2008	02:37:50	30798112,000	144,000	0,240	240,000	864,000
10-02-2008	02:47:50	30798350,000	238,000	0,397	396,667	1428,000
10-02-2008	02:57:50	30798580,000	230,000	0,383	383,333	1380,000
10-02-2008	03:07:50	30798814,000	234,000	0,390	390,000	1404,000
10-02-2008	03:17:50	30799036,000	222,000	0,370	370,000	1332,000
10-02-2008	03:27:51	30799104,000	68,000	0,113	113,333	408,000
10-02-2008	03:37:51	30799174,000	70,000	0,117	116,667	420,000
10-02-2008	03:47:51	30799244,000	70,000	0,117	116,667	420,000
10-02-2008	03:57:51	30799312,000	68,000	0,113	113,333	408,000
10-02-2008	04:07:51	30799380,000	68,000	0,113	113,333	408,000
10-02-2008	04:17:51	30799450,000	70,000	0,117	116,667	420,000
10-02-2008	04:27:51	30799518,000	68,000	0,113	113,333	408,000
10-02-2008	04:37:51	30799588,000	70,000	0,117	116,667	420,000
10-02-2008	04:47:51	30799656,000	68,000	0,113	113,333	408,000
10-02-2008	04:57:51	30799780,000	124,000	0,207	206,667	744,000
10-02-2008	05:07:51	30800014,000	234,000	0,390	390,000	1404,000
10-02-2008	05:17:51	30800174,000	160,000	0,267	266,667	960,000
10-02-2008	05:27:51	30800238,000	64,000	0,107	106,667	384,000
10-02-2008	05:37:52	30800300,000	62,000	0,103	103,333	372,000
10-02-2008	05:47:52	30800364,000	64,000	0,107	106,667	384,000
10-02-2008	05:57:52	30800428,000	64,000	0,107	106,667	384,000
10-02-2008	06:07:52	30800492,000	64,000	0,107	106,667	384,000
10-02-2008	06:17:52	30800554,000	62,000	0,103	103,333	372,000
10-02-2008	06:27:52	30800614,000	60,000	0,100	100,000	360,000
10-02-2008	06:37:52	30800672,000	58,000	0,097	96,667	348,000
10-02-2008	06:47:52	30800732,000	60,000	0,100	100,000	360,000
10-02-2008	06:57:52	30800790,000	58,000	0,097	96,667	348,000
10-02-2008	07:07:52	30800850,000	60,000	0,100	100,000	360,000
10-02-2008	07:17:52	30800898,000	48,000	0,080	80,000	288,000
10-02-2008	07:27:52	30800974,000	76,000	0,127	126,667	456,000
10-02-2008	07:37:52	30801194,000	220,000	0,367	366,667	1320,000
10-02-2008	07:47:52	30801348,000	154,000	0,257	256,667	924,000
10-02-2008	07:57:52	30801386,000	38,000	0,063	63,333	228,000
10-02-2008	08:07:52	30801424,000	38,000	0,063	63,333	228,000

10-02-2008	08:17:52	30801464,000	40,000	0,067	66,667	240,000
10-02-2008	08:27:52	30801502,000	38,000	0,063	63,333	228,000
10-02-2008	08:37:52	30801542,000	40,000	0,067	66,667	240,000
10-02-2008	08:47:52	30801584,000	42,000	0,070	70,000	252,000
10-02-2008	08:57:52	30801624,000	40,000	0,067	66,667	240,000
10-02-2008	09:07:52	30801690,000	66,000	0,110	110,000	396,000
10-02-2008	09:17:52	30801926,000	236,000	0,393	393,333	1416,000
10-02-2008	09:27:52	30802164,000	238,000	0,397	396,667	1428,000
10-02-2008	09:37:52	30802408,000	244,000	0,407	406,667	1464,000
10-02-2008	09:47:52	30802660,000	252,000	0,420	420,000	1512,000
10-02-2008	09:57:52	30802802,000	142,000	0,237	236,667	852,000
10-02-2008	10:07:52	30802968,000	166,000	0,277	276,667	996,000
10-02-2008	10:17:52	30803272,000	304,000	0,507	506,667	1824,000
10-02-2008	10:27:52	30803600,000	328,000	0,547	546,667	1968,000
10-02-2008	10:37:52	30803932,000	332,000	0,553	553,333	1992,000
10-02-2008	10:47:52	30804216,000	284,000	0,473	473,333	1704,000
10-02-2008	10:57:52	30804504,000	288,000	0,480	480,000	1728,000
10-02-2008	11:07:52	30804798,000	294,000	0,490	490,000	1764,000
10-02-2008	11:17:52	30805004,000	206,000	0,343	343,333	1236,000
10-02-2008	11:27:52	30805188,000	184,000	0,307	306,667	1104,000
10-02-2008	11:37:52	30805356,000	168,000	0,280	280,000	1008,000
10-02-2008	11:47:52	30805644,000	288,000	0,480	480,000	1728,000
10-02-2008	11:57:53	30805920,000	276,000	0,460	460,000	1656,000
10-02-2008	12:07:53	30806152,000	232,000	0,387	386,667	1392,000
10-02-2008	12:17:53	30806302,000	150,000	0,250	250,000	900,000
10-02-2008	12:27:53	30806446,000	144,000	0,240	240,000	864,000
10-02-2008	12:37:53	30806736,000	290,000	0,483	483,333	1740,000
10-02-2008	12:47:53	30807030,000	294,000	0,490	490,000	1764,000
10-02-2008	12:57:53	30807342,000	312,000	0,520	520,000	1872,000
10-02-2008	13:07:53	30807662,000	320,000	0,533	533,333	1920,000
10-02-2008	13:17:53	30807984,000	322,000	0,537	536,667	1932,000
10-02-2008	13:27:53	30808308,000	324,000	0,540	540,000	1944,000
10-02-2008	13:37:53	30808678,000	370,000	0,617	616,667	2220,000
10-02-2008	13:47:53	30809052,000	374,000	0,623	623,333	2244,000
10-02-2008	13:57:53	30809426,000	374,000	0,623	623,333	2244,000
10-02-2008	14:07:53	30809800,000	374,000	0,623	623,333	2244,000
10-02-2008	14:17:53	30810124,000	324,000	0,540	540,000	1944,000
10-02-2008	14:27:53	30810446,000	322,000	0,537	536,667	1932,000
10-02-2008	14:37:53	30810774,000	328,000	0,547	546,667	1968,000
10-02-2008	14:47:53	30811102,000	328,000	0,547	546,667	1968,000
10-02-2008	14:57:53	30811430,000	328,000	0,547	546,667	1968,000
10-02-2008	15:07:53	30811752,000	322,000	0,537	536,667	1932,000
10-02-2008	15:17:53	30811970,000	218,000	0,363	363,333	1308,000
10-02-2008	15:27:53	30812152,000	182,000	0,303	303,333	1092,000
10-02-2008	15:37:53	30812314,000	162,000	0,270	270,000	972,000
10-02-2008	15:47:53	30812524,000	210,000	0,350	350,000	1260,000
10-02-2008	15:57:53	30812802,000	278,000	0,463	463,333	1668,000
10-02-2008	16:07:53	30813020,000	218,000	0,363	363,333	1308,000
10-02-2008	16:17:53	30813144,000	124,000	0,207	206,667	744,000
10-02-2008	16:27:53	30813258,000	114,000	0,190	190,000	684,000
10-02-2008	16:37:53	30813364,000	106,000	0,177	176,667	636,000
10-02-2008	16:47:53	30813556,000	192,000	0,320	320,000	1152,000
10-02-2008	16:57:53	30813816,000	260,000	0,433	433,333	1560,000
10-02-2008	17:07:53	30814068,000	252,000	0,420	420,000	1512,000
10-02-2008	17:17:53	30814328,000	260,000	0,433	433,333	1560,000

10-02-2008	17:27:53	30814584,000	256,000	0,427	426,667	1536,000
10-02-2008	17:37:53	30814844,000	260,000	0,433	433,333	1560,000
10-02-2008	17:47:54	30814972,000	128,000	0,213	213,333	768,000
10-02-2008	17:57:54	30815086,000	114,000	0,190	190,000	684,000
10-02-2008	18:07:54	30815342,000	256,000	0,427	426,667	1536,000
10-02-2008	18:17:54	30815596,000	254,000	0,423	423,333	1524,000
10-02-2008	18:27:54	30815884,000	288,000	0,480	480,000	1728,000
10-02-2008	18:37:54	30816200,000	316,000	0,527	526,667	1896,000
10-02-2008	18:47:54	30816512,000	312,000	0,520	520,000	1872,000
10-02-2008	18:57:54	30816832,000	320,000	0,533	533,333	1920,000
10-02-2008	19:07:54	30817090,000	258,000	0,430	430,000	1548,000
10-02-2008	19:17:54	30817228,000	138,000	0,230	230,000	828,000
10-02-2008	19:27:54	30817354,000	126,000	0,210	210,000	756,000
10-02-2008	19:37:54	30817484,000	130,000	0,217	216,667	780,000
10-02-2008	19:47:54	30817628,000	144,000	0,240	240,000	864,000
10-02-2008	19:57:54	30817910,000	282,000	0,470	470,000	1692,000
10-02-2008	20:07:54	30818186,000	276,000	0,460	460,000	1656,000
10-02-2008	20:17:54	30818322,000	136,000	0,227	226,667	816,000
10-02-2008	20:27:54	30818444,000	122,000	0,203	203,333	732,000
10-02-2008	20:37:54	30818606,000	162,000	0,270	270,000	972,000
10-02-2008	20:47:54	30818870,000	264,000	0,440	440,000	1584,000
10-02-2008	20:57:54	30819136,000	266,000	0,443	443,333	1596,000
10-02-2008	21:07:54	30819402,000	266,000	0,443	443,333	1596,000
10-02-2008	21:17:54	30819670,000	268,000	0,447	446,667	1608,000
10-02-2008	21:27:54	30819940,000	270,000	0,450	450,000	1620,000
10-02-2008	21:37:54	30820202,000	262,000	0,437	436,667	1572,000
10-02-2008	21:47:54	30820372,000	170,000	0,283	283,333	1020,000
10-02-2008	21:57:54	30820492,000	120,000	0,200	200,000	720,000
10-02-2008	22:07:54	30820744,000	252,000	0,420	420,000	1512,000
10-02-2008	22:17:54	30821002,000	258,000	0,430	430,000	1548,000
10-02-2008	22:27:54	30821266,000	264,000	0,440	440,000	1584,000
10-02-2008	22:37:54	30821528,000	262,000	0,437	436,667	1572,000
10-02-2008	22:47:54	30821794,000	266,000	0,443	443,333	1596,000
10-02-2008	22:57:55	30822062,000	268,000	0,447	446,667	1608,000
10-02-2008	23:07:55	30822328,000	266,000	0,443	443,333	1596,000
10-02-2008	23:17:55	30822476,000	148,000	0,247	246,667	888,000
10-02-2008	23:27:55	30822614,000	138,000	0,230	230,000	828,000
10-02-2008	23:37:55	30822800,000	186,000	0,310	310,000	1116,000
10-02-2008	23:47:55	30822982,000	182,000	0,303	303,333	1092,000
10-02-2008	23:57:55	30823218,000	236,000	0,393	393,333	1416,000
11-02-2008	00:00:13	30823292,000	74,000	0,536	536,232	1930,435

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	30823292,000				
11-02-2008	00:07:55	30823488,000	196,000	0,424	424,242	1527,273
11-02-2008	00:17:55	30823708,000	220,000	0,367	366,667	1320,000
11-02-2008	00:27:55	30823808,000	100,000	0,167	166,667	600,000
11-02-2008	00:37:55	30823904,000	96,000	0,160	160,000	576,000
11-02-2008	00:47:55	30823988,000	84,000	0,140	140,000	504,000
11-02-2008	00:57:55	30824068,000	80,000	0,133	133,333	480,000
11-02-2008	01:07:55	30824144,000	76,000	0,127	126,667	456,000
11-02-2008	01:17:55	30824220,000	76,000	0,127	126,667	456,000
11-02-2008	01:27:55	30824292,000	72,000	0,120	120,000	432,000
11-02-2008	01:37:55	30824376,000	84,000	0,140	140,000	504,000
11-02-2008	01:47:55	30824610,000	234,000	0,390	390,000	1404,000
11-02-2008	01:57:55	30824826,000	216,000	0,360	360,000	1296,000
11-02-2008	02:07:55	30824882,000	56,000	0,093	93,333	336,000
11-02-2008	02:17:55	30824940,000	58,000	0,097	96,667	348,000
11-02-2008	02:27:55	30824996,000	56,000	0,093	93,333	336,000
11-02-2008	02:37:55	30825052,000	56,000	0,093	93,333	336,000
11-02-2008	02:47:55	30825108,000	56,000	0,093	93,333	336,000
11-02-2008	02:57:55	30825164,000	56,000	0,093	93,333	336,000
11-02-2008	03:07:55	30825220,000	56,000	0,093	93,333	336,000
11-02-2008	03:17:55	30825274,000	54,000	0,090	90,000	324,000
11-02-2008	03:27:55	30825332,000	58,000	0,097	96,667	348,000
11-02-2008	03:37:55	30825388,000	56,000	0,093	93,333	336,000
11-02-2008	03:47:55	30825484,000	96,000	0,160	160,000	576,000
11-02-2008	03:57:55	30825708,000	224,000	0,373	373,333	1344,000
11-02-2008	04:07:55	30825936,000	228,000	0,380	380,000	1368,000
11-02-2008	04:17:55	30826160,000	224,000	0,373	373,333	1344,000
11-02-2008	04:27:55	30826386,000	226,000	0,377	376,667	1356,000
11-02-2008	04:37:55	30826440,000	54,000	0,090	90,000	324,000
11-02-2008	04:47:55	30826492,000	52,000	0,087	86,667	312,000
11-02-2008	04:57:56	30826538,000	46,000	0,077	76,667	276,000
11-02-2008	05:07:56	30826654,000	116,000	0,193	193,333	696,000
11-02-2008	05:17:56	30826870,000	216,000	0,360	360,000	1296,000
11-02-2008	05:27:56	30826988,000	118,000	0,197	196,667	708,000
11-02-2008	05:37:56	30827026,000	38,000	0,063	63,333	228,000
11-02-2008	05:47:56	30827064,000	38,000	0,063	63,333	228,000
11-02-2008	05:57:56	30827106,000	42,000	0,070	70,000	252,000
11-02-2008	06:07:56	30827146,000	40,000	0,067	66,667	240,000
11-02-2008	06:17:56	30827188,000	42,000	0,070	70,000	252,000
11-02-2008	06:27:56	30827228,000	40,000	0,067	66,667	240,000
11-02-2008	06:37:56	30827270,000	42,000	0,070	70,000	252,000
11-02-2008	06:47:56	30827314,000	44,000	0,073	73,333	264,000
11-02-2008	06:57:56	30827356,000	42,000	0,070	70,000	252,000
11-02-2008	07:07:56	30827404,000	48,000	0,080	80,000	288,000
11-02-2008	07:17:56	30827456,000	52,000	0,087	86,667	312,000
11-02-2008	07:27:56	30827616,000	160,000	0,267	266,667	960,000
11-02-2008	07:37:56	30827856,000	240,000	0,400	400,000	1440,000
11-02-2008	07:47:56	30828030,000	174,000	0,290	290,000	1044,000
11-02-2008	07:57:56	30828138,000	108,000	0,180	180,000	648,000

11-02-2008	08:07:56	30828248,000	110,000	0,183	183,333	660,000
11-02-2008	08:17:56	30828360,000	112,000	0,187	186,667	672,000
11-02-2008	08:27:56	30828678,000	318,000	0,530	530,000	1908,000
11-02-2008	08:37:56	30829004,000	326,000	0,543	543,333	1956,000
11-02-2008	08:47:56	30829332,000	328,000	0,547	546,667	1968,000
11-02-2008	08:57:56	30829648,000	316,000	0,527	526,667	1896,000
11-02-2008	09:07:56	30829928,000	280,000	0,467	466,667	1680,000
11-02-2008	09:17:56	30830168,000	240,000	0,400	400,000	1440,000
11-02-2008	09:27:56	30830330,000	162,000	0,270	270,000	972,000
11-02-2008	09:37:56	30830550,000	220,000	0,367	366,667	1320,000
11-02-2008	09:47:56	30830852,000	302,000	0,503	503,333	1812,000
11-02-2008	09:57:56	30831128,000	276,000	0,460	460,000	1656,000
11-02-2008	10:07:56	30831392,000	264,000	0,440	440,000	1584,000
11-02-2008	10:17:56	30831664,000	272,000	0,453	453,333	1632,000
11-02-2008	10:27:56	30831902,000	238,000	0,397	396,667	1428,000
11-02-2008	10:37:56	30832026,000	124,000	0,207	206,667	744,000
11-02-2008	10:47:56	30832140,000	114,000	0,190	190,000	684,000
11-02-2008	10:57:56	30832250,000	110,000	0,183	183,333	660,000
11-02-2008	11:07:56	30832472,000	222,000	0,370	370,000	1332,000
11-02-2008	11:17:56	30832742,000	270,000	0,450	450,000	1620,000
11-02-2008	11:27:56	30832946,000	204,000	0,340	340,000	1224,000
11-02-2008	11:37:56	30833076,000	130,000	0,217	216,667	780,000
11-02-2008	11:47:57	30833194,000	118,000	0,197	196,667	708,000
11-02-2008	11:57:57	30833318,000	124,000	0,207	206,667	744,000
11-02-2008	12:07:57	30833584,000	266,000	0,443	443,333	1596,000
11-02-2008	12:17:57	30833854,000	270,000	0,450	450,000	1620,000
11-02-2008	12:27:57	30834130,000	276,000	0,460	460,000	1656,000
11-02-2008	12:37:57	30834420,000	290,000	0,483	483,333	1740,000
11-02-2008	12:47:57	30834712,000	292,000	0,487	486,667	1752,000
11-02-2008	12:57:57	30835016,000	304,000	0,507	506,667	1824,000
11-02-2008	13:07:57	30835372,000	356,000	0,593	593,333	2136,000
11-02-2008	13:17:57	30835730,000	358,000	0,597	596,667	2148,000
11-02-2008	13:27:57	30836088,000	358,000	0,597	596,667	2148,000
11-02-2008	13:37:57	30836424,000	336,000	0,560	560,000	2016,000
11-02-2008	13:47:57	30836710,000	286,000	0,477	476,667	1716,000
11-02-2008	13:57:57	30836912,000	202,000	0,337	336,667	1212,000
11-02-2008	14:07:57	30837098,000	186,000	0,310	310,000	1116,000
11-02-2008	14:17:57	30837360,000	262,000	0,437	436,667	1572,000
11-02-2008	14:27:57	30837654,000	294,000	0,490	490,000	1764,000
11-02-2008	14:37:57	30837898,000	244,000	0,407	406,667	1464,000
11-02-2008	14:47:57	30838054,000	156,000	0,260	260,000	936,000
11-02-2008	14:57:57	30838190,000	136,000	0,227	226,667	816,000
11-02-2008	15:07:57	30838324,000	134,000	0,223	223,333	804,000
11-02-2008	15:17:57	30838530,000	206,000	0,343	343,333	1236,000
11-02-2008	15:27:57	30838806,000	276,000	0,460	460,000	1656,000
11-02-2008	15:37:57	30839088,000	282,000	0,470	470,000	1692,000
11-02-2008	15:47:57	30839356,000	268,000	0,447	446,667	1608,000
11-02-2008	15:57:57	30839622,000	266,000	0,443	443,333	1596,000
11-02-2008	16:07:57	30839888,000	266,000	0,443	443,333	1596,000
11-02-2008	16:17:57	30840058,000	170,000	0,283	283,333	1020,000
11-02-2008	16:27:57	30840186,000	128,000	0,213	213,333	768,000
11-02-2008	16:37:57	30840434,000	248,000	0,413	413,333	1488,000
11-02-2008	16:47:57	30840708,000	274,000	0,457	456,667	1644,000
11-02-2008	16:57:57	30840982,000	274,000	0,457	456,667	1644,000
11-02-2008	17:07:57	30841258,000	276,000	0,460	460,000	1656,000

11-02-2008	17:17:57	30841526,000	268,000	0,447	446,667	1608,000
11-02-2008	17:27:57	30841800,000	274,000	0,457	456,667	1644,000
11-02-2008	17:37:57	30842062,000	262,000	0,437	436,667	1572,000
11-02-2008	17:47:57	30842194,000	132,000	0,220	220,000	792,000
11-02-2008	17:57:57	30842340,000	146,000	0,243	243,333	876,000
11-02-2008	18:07:57	30842652,000	312,000	0,520	520,000	1872,000
11-02-2008	18:17:58	30842978,000	326,000	0,543	543,333	1956,000
11-02-2008	18:27:58	30843212,000	234,000	0,390	390,000	1404,000
11-02-2008	18:37:58	30843394,000	182,000	0,303	303,333	1092,000
11-02-2008	18:50:08	30843538,000	144,000	0,240	240,000	864,000
11-02-2008	19:00:08	30843652,000	114,000	0,190	190,000	684,000
11-02-2008	19:10:08	30843766,000	114,000	0,190	190,000	684,000
11-02-2008	19:20:08	30843934,000	168,000	0,280	280,000	1008,000
11-02-2008	19:30:08	30844198,000	264,000	0,440	440,000	1584,000
11-02-2008	19:40:35	30844470,000	272,000	0,453	453,333	1632,000
11-02-2008	19:51:37	30844762,000	292,000	0,487	486,667	1752,000
11-02-2008	20:01:37	30845024,000	262,000	0,437	436,667	1572,000
11-02-2008	20:11:37	30845290,000	266,000	0,443	443,333	1596,000
11-02-2008	20:21:37	30845542,000	252,000	0,420	420,000	1512,000
11-02-2008	20:31:37	30845692,000	150,000	0,250	250,000	900,000
11-02-2008	20:41:37	30845854,000	162,000	0,270	270,000	972,000
11-02-2008	20:51:37	30846122,000	268,000	0,447	446,667	1608,000
11-02-2008	21:01:37	30846388,000	266,000	0,443	443,333	1596,000
11-02-2008	21:11:37	30846658,000	270,000	0,450	450,000	1620,000
11-02-2008	21:21:37	30846924,000	266,000	0,443	443,333	1596,000
11-02-2008	21:31:37	30847200,000	276,000	0,460	460,000	1656,000
11-02-2008	21:41:37	30847482,000	282,000	0,470	470,000	1692,000
11-02-2008	21:51:37	30847770,000	288,000	0,480	480,000	1728,000
11-02-2008	22:01:37	30848062,000	292,000	0,487	486,667	1752,000
11-02-2008	22:11:37	30848358,000	296,000	0,493	493,333	1776,000
11-02-2008	22:21:37	30848686,000	328,000	0,547	546,667	1968,000
11-02-2008	22:31:37	30849030,000	344,000	0,573	573,333	2064,000
11-02-2008	22:41:37	30849384,000	354,000	0,590	590,000	2124,000
11-02-2008	22:51:37	30849684,000	300,000	0,500	500,000	1800,000
11-02-2008	23:01:37	30849874,000	190,000	0,317	316,667	1140,000
11-02-2008	23:11:38	30850040,000	166,000	0,277	276,667	996,000
11-02-2008	23:21:38	30850206,000	166,000	0,277	276,667	996,000
11-02-2008	23:31:38	30850334,000	128,000	0,213	213,333	768,000
11-02-2008	23:41:38	30850572,000	238,000	0,397	396,667	1428,000
11-02-2008	23:51:38	30850844,000	272,000	0,453	453,333	1632,000
12-02-2008	00:00:04	30850994,000	150,000	0,296	296,443	1067,194

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	30850994,000				
12-02-2008	00:01:38	30851012,000	18,000	0,191	191,489	689,362
12-02-2008	00:11:38	30851126,000	114,000	0,190	190,000	684,000
12-02-2008	00:21:38	30851234,000	108,000	0,180	180,000	648,000
12-02-2008	00:31:38	30851332,000	98,000	0,163	163,333	588,000
12-02-2008	00:41:38	30851420,000	88,000	0,147	146,667	528,000
12-02-2008	00:51:38	30851502,000	82,000	0,137	136,667	492,000
12-02-2008	01:01:38	30851582,000	80,000	0,133	133,333	480,000
12-02-2008	01:11:38	30851662,000	80,000	0,133	133,333	480,000
12-02-2008	01:21:38	30851832,000	170,000	0,283	283,333	1020,000
12-02-2008	01:31:38	30852076,000	244,000	0,407	406,667	1464,000
12-02-2008	01:41:38	30852212,000	136,000	0,227	226,667	816,000
12-02-2008	01:51:38	30852278,000	66,000	0,110	110,000	396,000
12-02-2008	02:01:38	30852348,000	70,000	0,117	116,667	420,000
12-02-2008	02:11:38	30852442,000	94,000	0,157	156,667	564,000
12-02-2008	02:21:38	30852684,000	242,000	0,403	403,333	1452,000
12-02-2008	02:31:38	30852924,000	240,000	0,400	400,000	1440,000
12-02-2008	02:41:38	30853164,000	240,000	0,400	400,000	1440,000
12-02-2008	02:51:38	30853396,000	232,000	0,387	386,667	1392,000
12-02-2008	03:01:38	30853466,000	70,000	0,117	116,667	420,000
12-02-2008	03:11:38	30853542,000	76,000	0,127	126,667	456,000
12-02-2008	03:21:38	30853616,000	74,000	0,123	123,333	444,000
12-02-2008	03:31:38	30853680,000	64,000	0,107	106,667	384,000
12-02-2008	03:41:38	30853740,000	60,000	0,100	100,000	360,000
12-02-2008	03:51:38	30853800,000	60,000	0,100	100,000	360,000
12-02-2008	04:01:38	30853858,000	58,000	0,097	96,667	348,000
12-02-2008	04:11:38	30853914,000	56,000	0,093	93,333	336,000
12-02-2008	04:21:38	30853982,000	68,000	0,113	113,333	408,000
12-02-2008	04:31:38	30854202,000	220,000	0,367	366,667	1320,000
12-02-2008	04:41:39	30854388,000	186,000	0,310	310,000	1116,000
12-02-2008	04:51:39	30854434,000	46,000	0,077	76,667	276,000
12-02-2008	05:01:39	30854482,000	48,000	0,080	80,000	288,000
12-02-2008	05:11:39	30854530,000	48,000	0,080	80,000	288,000
12-02-2008	05:21:39	30854574,000	44,000	0,073	73,333	264,000
12-02-2008	05:31:39	30854618,000	44,000	0,073	73,333	264,000
12-02-2008	05:41:39	30854660,000	42,000	0,070	70,000	252,000
12-02-2008	05:51:39	30854702,000	42,000	0,070	70,000	252,000
12-02-2008	06:01:39	30854742,000	40,000	0,067	66,667	240,000
12-02-2008	06:11:39	30854784,000	42,000	0,070	70,000	252,000
12-02-2008	06:21:39	30854824,000	40,000	0,067	66,667	240,000
12-02-2008	06:31:39	30854868,000	44,000	0,073	73,333	264,000
12-02-2008	06:41:39	30854924,000	56,000	0,093	93,333	336,000
12-02-2008	06:51:39	30854988,000	64,000	0,107	106,667	384,000
12-02-2008	07:01:39	30855218,000	230,000	0,383	383,333	1380,000
12-02-2008	07:11:39	30855424,000	206,000	0,343	343,333	1236,000
12-02-2008	07:21:39	30855480,000	56,000	0,093	93,333	336,000
12-02-2008	07:31:39	30855536,000	56,000	0,093	93,333	336,000
12-02-2008	07:41:39	30855658,000	122,000	0,203	203,333	732,000
12-02-2008	07:51:39	30855804,000	146,000	0,243	243,333	876,000
12-02-2008	08:01:39	30856076,000	272,000	0,453	453,333	1632,000

12-02-2008	08:11:39	30856386,000	310,000	0,517	516,667	1860,000
12-02-2008	08:21:39	30856650,000	264,000	0,440	440,000	1584,000
12-02-2008	08:31:39	30856912,000	262,000	0,437	436,667	1572,000
12-02-2008	08:41:40	30857182,000	270,000	0,450	450,000	1620,000
12-02-2008	08:51:40	30857456,000	274,000	0,457	456,667	1644,000
12-02-2008	09:01:40	30857646,000	190,000	0,317	316,667	1140,000
12-02-2008	09:11:40	30857806,000	160,000	0,267	266,667	960,000
12-02-2008	09:21:40	30858050,000	244,000	0,407	406,667	1464,000
12-02-2008	09:31:40	30858346,000	296,000	0,493	493,333	1776,000
12-02-2008	09:41:40	30858624,000	278,000	0,463	463,333	1668,000
12-02-2008	09:51:40	30858886,000	262,000	0,437	436,667	1572,000
12-02-2008	10:01:40	30859146,000	260,000	0,433	433,333	1560,000
12-02-2008	10:11:40	30859284,000	138,000	0,230	230,000	828,000
12-02-2008	10:21:40	30859382,000	98,000	0,163	163,333	588,000
12-02-2008	10:31:40	30859476,000	94,000	0,157	156,667	564,000
12-02-2008	10:41:40	30859572,000	96,000	0,160	160,000	576,000
12-02-2008	10:51:40	30859738,000	166,000	0,277	276,667	996,000
12-02-2008	11:01:40	30859994,000	256,000	0,427	426,667	1536,000
12-02-2008	11:11:40	30860214,000	220,000	0,367	366,667	1320,000
12-02-2008	11:21:40	30860332,000	118,000	0,197	196,667	708,000
12-02-2008	11:31:40	30860442,000	110,000	0,183	183,333	660,000
12-02-2008	11:41:40	30860636,000	194,000	0,323	323,333	1164,000
12-02-2008	11:51:40	30860900,000	264,000	0,440	440,000	1584,000
12-02-2008	12:01:40	30861172,000	272,000	0,453	453,333	1632,000
12-02-2008	12:11:40	30861446,000	274,000	0,457	456,667	1644,000
12-02-2008	12:21:40	30861760,000	314,000	0,523	523,333	1884,000
12-02-2008	12:31:40	30862100,000	340,000	0,567	566,667	2040,000
12-02-2008	12:41:40	30862434,000	334,000	0,557	556,667	2004,000
12-02-2008	12:51:40	30862780,000	346,000	0,577	576,667	2076,000
12-02-2008	13:01:40	30863088,000	308,000	0,513	513,333	1848,000
12-02-2008	13:11:40	30863382,000	294,000	0,490	490,000	1764,000
12-02-2008	13:21:40	30863684,000	302,000	0,503	503,333	1812,000
12-02-2008	13:31:40	30863890,000	206,000	0,343	343,333	1236,000
12-02-2008	13:41:40	30864090,000	200,000	0,333	333,333	1200,000
12-02-2008	13:51:40	30864294,000	204,000	0,340	340,000	1224,000
12-02-2008	14:01:40	30864508,000	214,000	0,357	356,667	1284,000
12-02-2008	14:11:40	30864792,000	284,000	0,473	473,333	1704,000
12-02-2008	14:21:40	30865036,000	244,000	0,407	406,667	1464,000
12-02-2008	14:31:40	30865172,000	136,000	0,227	226,667	816,000
12-02-2008	14:41:40	30865296,000	124,000	0,207	206,667	744,000
12-02-2008	14:51:41	30865418,000	122,000	0,203	203,333	732,000
12-02-2008	15:01:41	30865628,000	210,000	0,350	350,000	1260,000
12-02-2008	15:11:41	30865906,000	278,000	0,463	463,333	1668,000
12-02-2008	15:21:41	30866184,000	278,000	0,463	463,333	1668,000
12-02-2008	15:31:41	30866462,000	278,000	0,463	463,333	1668,000
12-02-2008	15:41:41	30866748,000	286,000	0,477	476,667	1716,000
12-02-2008	15:51:41	30867034,000	286,000	0,477	476,667	1716,000
12-02-2008	16:01:41	30867228,000	194,000	0,323	323,333	1164,000
12-02-2008	16:11:41	30867358,000	130,000	0,217	216,667	780,000
12-02-2008	16:21:41	30867582,000	224,000	0,373	373,333	1344,000
12-02-2008	16:31:41	30867850,000	268,000	0,447	446,667	1608,000
12-02-2008	16:41:41	30868116,000	266,000	0,443	443,333	1596,000
12-02-2008	16:51:41	30868380,000	264,000	0,440	440,000	1584,000
12-02-2008	17:01:41	30868646,000	266,000	0,443	443,333	1596,000
12-02-2008	17:11:41	30868906,000	260,000	0,433	433,333	1560,000

12-02-2008	17:21:41	30869174,000	268,000	0,447	446,667	1608,000
12-02-2008	17:31:41	30869388,000	214,000	0,357	356,667	1284,000
12-02-2008	17:41:41	30869530,000	142,000	0,237	236,667	852,000
12-02-2008	17:51:41	30869742,000	212,000	0,353	353,333	1272,000
12-02-2008	18:01:41	30870018,000	276,000	0,460	460,000	1656,000
12-02-2008	18:11:41	30870352,000	334,000	0,557	556,667	2004,000
12-02-2008	18:21:41	30870604,000	252,000	0,420	420,000	1512,000
12-02-2008	18:31:41	30870794,000	190,000	0,317	316,667	1140,000
12-02-2008	18:41:41	30870968,000	174,000	0,290	290,000	1044,000
12-02-2008	18:51:41	30871076,000	108,000	0,180	180,000	648,000
12-02-2008	19:01:41	30871180,000	104,000	0,173	173,333	624,000
12-02-2008	19:11:41	30871310,000	130,000	0,217	216,667	780,000
12-02-2008	19:21:41	30871570,000	260,000	0,433	433,333	1560,000
12-02-2008	19:31:41	30871828,000	258,000	0,430	430,000	1548,000
12-02-2008	19:41:41	30872086,000	258,000	0,430	430,000	1548,000
12-02-2008	19:51:41	30872346,000	260,000	0,433	433,333	1560,000
12-02-2008	20:01:41	30872604,000	258,000	0,430	430,000	1548,000
12-02-2008	20:11:41	30872868,000	264,000	0,440	440,000	1584,000
12-02-2008	20:21:41	30873140,000	272,000	0,453	453,333	1632,000
12-02-2008	20:31:41	30873300,000	160,000	0,267	266,667	960,000
12-02-2008	20:41:41	30873450,000	150,000	0,250	250,000	900,000
12-02-2008	20:51:41	30873708,000	258,000	0,430	430,000	1548,000
12-02-2008	21:01:41	30873976,000	268,000	0,447	446,667	1608,000
12-02-2008	21:11:41	30874256,000	280,000	0,467	466,667	1680,000
12-02-2008	21:21:41	30874544,000	288,000	0,480	480,000	1728,000
12-02-2008	21:31:42	30874834,000	290,000	0,483	483,333	1740,000
12-02-2008	21:41:42	30875128,000	294,000	0,490	490,000	1764,000
12-02-2008	21:51:42	30875418,000	290,000	0,483	483,333	1740,000
12-02-2008	22:01:42	30875714,000	296,000	0,493	493,333	1776,000
12-02-2008	22:11:42	30876012,000	298,000	0,497	496,667	1788,000
12-02-2008	22:21:42	30876350,000	338,000	0,563	563,333	2028,000
12-02-2008	22:31:42	30876708,000	358,000	0,597	596,667	2148,000
12-02-2008	22:41:42	30877058,000	350,000	0,583	583,333	2100,000
12-02-2008	22:51:42	30877414,000	356,000	0,593	593,333	2136,000
12-02-2008	23:01:42	30877588,000	174,000	0,290	290,000	1044,000
12-02-2008	23:11:42	30877730,000	142,000	0,237	236,667	852,000
12-02-2008	23:21:42	30877846,000	116,000	0,193	193,333	696,000
12-02-2008	23:31:42	30877942,000	96,000	0,160	160,000	576,000
12-02-2008	23:41:42	30878108,000	166,000	0,277	276,667	996,000
12-02-2008	23:51:42	30878366,000	258,000	0,430	430,000	1548,000
13-02-2008	00:00:24	30878544,000	178,000	0,341	340,996	1227,586

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	30878544,000				
13-02-2008	00:01:42	30878556,000	12,000	0,154	153,846	553,846
13-02-2008	00:11:42	30878654,000	98,000	0,163	163,333	588,000
13-02-2008	00:21:42	30878750,000	96,000	0,160	160,000	576,000
13-02-2008	00:31:42	30878836,000	86,000	0,143	143,333	516,000
13-02-2008	00:41:42	30878920,000	84,000	0,140	140,000	504,000
13-02-2008	00:51:42	30879006,000	86,000	0,143	143,333	516,000
13-02-2008	01:01:42	30879092,000	86,000	0,143	143,333	516,000
13-02-2008	01:11:42	30879178,000	86,000	0,143	143,333	516,000
13-02-2008	01:21:42	30879366,000	188,000	0,313	313,333	1128,000
13-02-2008	01:31:42	30879610,000	244,000	0,407	406,667	1464,000
13-02-2008	01:41:42	30879742,000	132,000	0,220	220,000	792,000
13-02-2008	01:51:42	30879814,000	72,000	0,120	120,000	432,000
13-02-2008	02:01:42	30879886,000	72,000	0,120	120,000	432,000
13-02-2008	02:11:42	30879958,000	72,000	0,120	120,000	432,000
13-02-2008	02:21:42	30880196,000	238,000	0,397	396,667	1428,000
13-02-2008	02:31:42	30880434,000	238,000	0,397	396,667	1428,000
13-02-2008	02:41:42	30880670,000	236,000	0,393	393,333	1416,000
13-02-2008	02:51:42	30880908,000	238,000	0,397	396,667	1428,000
13-02-2008	03:01:42	30881016,000	108,000	0,180	180,000	648,000
13-02-2008	03:11:42	30881084,000	68,000	0,113	113,333	408,000
13-02-2008	03:21:42	30881156,000	72,000	0,120	120,000	432,000
13-02-2008	03:31:42	30881228,000	72,000	0,120	120,000	432,000
13-02-2008	03:41:42	30881300,000	72,000	0,120	120,000	432,000
13-02-2008	03:51:42	30881370,000	70,000	0,117	116,667	420,000
13-02-2008	04:01:42	30881440,000	70,000	0,117	116,667	420,000
13-02-2008	04:11:42	30881510,000	70,000	0,117	116,667	420,000
13-02-2008	04:21:42	30881662,000	152,000	0,253	253,333	912,000
13-02-2008	04:31:42	30881900,000	238,000	0,397	396,667	1428,000
13-02-2008	04:41:43	30882026,000	126,000	0,210	210,000	756,000
13-02-2008	04:51:43	30882090,000	64,000	0,107	106,667	384,000
13-02-2008	05:01:43	30882154,000	64,000	0,107	106,667	384,000
13-02-2008	05:11:43	30882218,000	64,000	0,107	106,667	384,000
13-02-2008	05:21:43	30882282,000	64,000	0,107	106,667	384,000
13-02-2008	05:31:43	30882344,000	62,000	0,103	103,333	372,000
13-02-2008	05:41:43	30882406,000	62,000	0,103	103,333	372,000
13-02-2008	05:51:43	30882466,000	60,000	0,100	100,000	360,000
13-02-2008	06:01:43	30882524,000	58,000	0,097	96,667	348,000
13-02-2008	06:11:43	30882580,000	56,000	0,093	93,333	336,000
13-02-2008	06:21:43	30882638,000	58,000	0,097	96,667	348,000
13-02-2008	06:31:43	30882694,000	56,000	0,093	93,333	336,000
13-02-2008	06:41:43	30882748,000	54,000	0,090	90,000	324,000
13-02-2008	06:51:43	30882930,000	182,000	0,303	303,333	1092,000
13-02-2008	07:01:43	30883158,000	228,000	0,380	380,000	1368,000
13-02-2008	07:11:43	30883246,000	88,000	0,147	146,667	528,000
13-02-2008	07:21:43	30883302,000	56,000	0,093	93,333	336,000
13-02-2008	07:31:43	30883418,000	116,000	0,193	193,333	696,000
13-02-2008	07:41:43	30883560,000	142,000	0,237	236,667	852,000
13-02-2008	07:51:43	30883720,000	160,000	0,267	266,667	960,000
13-02-2008	08:01:43	30884032,000	312,000	0,520	520,000	1872,000

13-02-2008	08:11:43	30884286,000	254,000	0,423	423,333	1524,000
13-02-2008	08:21:43	30884536,000	250,000	0,417	416,667	1500,000
13-02-2008	08:31:43	30884796,000	260,000	0,433	433,333	1560,000
13-02-2008	08:41:43	30885068,000	272,000	0,453	453,333	1632,000
13-02-2008	08:51:44	30885348,000	280,000	0,467	466,667	1680,000
13-02-2008	09:01:44	30885512,000	164,000	0,273	273,333	984,000
13-02-2008	09:11:44	30885674,000	162,000	0,270	270,000	972,000
13-02-2008	09:21:44	30885974,000	300,000	0,500	500,000	1800,000
13-02-2008	09:31:44	30886272,000	298,000	0,497	496,667	1788,000
13-02-2008	09:41:44	30886558,000	286,000	0,477	476,667	1716,000
13-02-2008	09:51:44	30886834,000	276,000	0,460	460,000	1656,000
13-02-2008	10:01:44	30887108,000	274,000	0,457	456,667	1644,000
13-02-2008	10:11:44	30887330,000	222,000	0,370	370,000	1332,000
13-02-2008	10:21:44	30887438,000	108,000	0,180	180,000	648,000
13-02-2008	10:31:44	30887540,000	102,000	0,170	170,000	612,000
13-02-2008	10:41:44	30887634,000	94,000	0,157	156,667	564,000
13-02-2008	10:51:44	30887776,000	142,000	0,237	236,667	852,000
13-02-2008	11:01:44	30888042,000	266,000	0,443	443,333	1596,000
13-02-2008	11:11:44	30888270,000	228,000	0,380	380,000	1368,000
13-02-2008	11:21:44	30888390,000	120,000	0,200	200,000	720,000
13-02-2008	11:31:44	30888498,000	108,000	0,180	180,000	648,000
13-02-2008	11:41:44	30888606,000	108,000	0,180	180,000	648,000
13-02-2008	11:51:44	30888792,000	186,000	0,310	310,000	1116,000
13-02-2008	12:01:44	30889054,000	262,000	0,437	436,667	1572,000
13-02-2008	12:11:44	30889338,000	284,000	0,473	473,333	1704,000
13-02-2008	12:22:04	30889686,000	348,000	0,580	580,000	2088,000
13-02-2008	12:32:49	30890046,000	360,000	0,600	600,000	2160,000
13-02-2008	12:42:49	30890392,000	346,000	0,577	576,667	2076,000
13-02-2008	12:52:49	30890712,000	320,000	0,533	533,333	1920,000
13-02-2008	13:02:49	30891012,000	300,000	0,500	500,000	1800,000
13-02-2008	13:12:49	30891302,000	290,000	0,483	483,333	1740,000
13-02-2008	13:22:49	30891476,000	174,000	0,290	290,000	1044,000
13-02-2008	13:32:49	30891680,000	204,000	0,340	340,000	1224,000
13-02-2008	13:42:49	30891992,000	312,000	0,520	520,000	1872,000
13-02-2008	13:52:49	30892280,000	288,000	0,480	480,000	1728,000
13-02-2008	14:02:49	30892516,000	236,000	0,393	393,333	1416,000
13-02-2008	14:12:49	30892640,000	124,000	0,207	206,667	744,000
13-02-2008	14:22:49	30892752,000	112,000	0,187	186,667	672,000
13-02-2008	14:32:49	30892858,000	106,000	0,177	176,667	636,000
13-02-2008	14:42:49	30893036,000	178,000	0,297	296,667	1068,000
13-02-2008	14:52:49	30893296,000	260,000	0,433	433,333	1560,000
13-02-2008	15:02:49	30893560,000	264,000	0,440	440,000	1584,000
13-02-2008	15:12:49	30893778,000	218,000	0,363	363,333	1308,000
13-02-2008	15:22:49	30893894,000	116,000	0,193	193,333	696,000
13-02-2008	15:32:50	30894056,000	162,000	0,270	270,000	972,000
13-02-2008	15:42:50	30894322,000	266,000	0,443	443,333	1596,000
13-02-2008	15:52:50	30894590,000	268,000	0,447	446,667	1608,000
13-02-2008	16:02:50	30894854,000	264,000	0,440	440,000	1584,000
13-02-2008	16:12:50	30895124,000	270,000	0,450	450,000	1620,000
13-02-2008	16:22:50	30895396,000	272,000	0,453	453,333	1632,000
13-02-2008	16:32:50	30895670,000	274,000	0,457	456,667	1644,000
13-02-2008	16:42:50	30895832,000	162,000	0,270	270,000	972,000
13-02-2008	16:52:50	30895974,000	142,000	0,237	236,667	852,000
13-02-2008	17:02:50	30896260,000	286,000	0,477	476,667	1716,000
13-02-2008	17:12:50	30896542,000	282,000	0,470	470,000	1692,000

13-02-2008	17:22:50	30896850,000	308,000	0,513	513,333	1848,000
13-02-2008	17:32:50	30897190,000	340,000	0,567	566,667	2040,000
13-02-2008	17:42:50	30897526,000	336,000	0,560	560,000	2016,000
13-02-2008	17:52:50	30897850,000	324,000	0,540	540,000	1944,000
13-02-2008	18:02:50	30898006,000	156,000	0,260	260,000	936,000
13-02-2008	18:12:50	30898126,000	120,000	0,200	200,000	720,000
13-02-2008	18:22:50	30898244,000	118,000	0,197	196,667	708,000
13-02-2008	18:32:50	30898358,000	114,000	0,190	190,000	684,000
13-02-2008	18:42:50	30898514,000	156,000	0,260	260,000	936,000
13-02-2008	18:52:50	30898770,000	256,000	0,427	426,667	1536,000
13-02-2008	19:02:50	30898980,000	210,000	0,350	350,000	1260,000
13-02-2008	19:12:50	30899084,000	104,000	0,173	173,333	624,000
13-02-2008	19:22:50	30899178,000	94,000	0,157	156,667	564,000
13-02-2008	19:32:50	30899448,000	270,000	0,450	450,000	1620,000
13-02-2008	19:42:50	30899720,000	272,000	0,453	453,333	1632,000
13-02-2008	19:52:50	30899998,000	278,000	0,463	463,333	1668,000
13-02-2008	20:02:50	30900276,000	278,000	0,463	463,333	1668,000
13-02-2008	20:12:50	30900560,000	284,000	0,473	473,333	1704,000
13-02-2008	20:22:50	30900850,000	290,000	0,483	483,333	1740,000
13-02-2008	20:32:50	30901142,000	292,000	0,487	486,667	1752,000
13-02-2008	20:42:50	30901396,000	254,000	0,423	423,333	1524,000
13-02-2008	20:52:50	30901584,000	188,000	0,313	313,333	1128,000
13-02-2008	21:02:50	30901810,000	226,000	0,377	376,667	1356,000
13-02-2008	21:12:50	30902102,000	292,000	0,487	486,667	1752,000
13-02-2008	21:22:51	30902392,000	290,000	0,483	483,333	1740,000
13-02-2008	21:32:51	30902688,000	296,000	0,493	493,333	1776,000
13-02-2008	21:42:51	30903026,000	338,000	0,563	563,333	2028,000
13-02-2008	21:52:51	30903382,000	356,000	0,593	593,333	2136,000
13-02-2008	22:02:51	30903740,000	358,000	0,597	596,667	2148,000
13-02-2008	22:12:51	30904098,000	358,000	0,597	596,667	2148,000
13-02-2008	22:22:51	30904406,000	308,000	0,513	513,333	1848,000
13-02-2008	22:32:51	30904702,000	296,000	0,493	493,333	1776,000
13-02-2008	22:42:51	30905002,000	300,000	0,500	500,000	1800,000
13-02-2008	22:52:51	30905298,000	296,000	0,493	493,333	1776,000
13-02-2008	23:02:51	30905586,000	288,000	0,480	480,000	1728,000
13-02-2008	23:12:51	30905882,000	296,000	0,493	493,333	1776,000
13-02-2008	23:22:51	30906042,000	160,000	0,267	266,667	960,000
13-02-2008	23:32:51	30906184,000	142,000	0,237	236,667	852,000
13-02-2008	23:42:51	30906284,000	100,000	0,167	166,667	600,000
13-02-2008	23:52:51	30906366,000	82,000	0,137	136,667	492,000
14-02-2008	00:00:13	30906480,000	114,000	0,258	257,919	928,507

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:13	30906480,000				
14-02-2008	00:02:51	30906542,000	62,000	0,392	392,405	1412,658
14-02-2008	00:12:51	30906796,000	254,000	0,423	423,333	1524,000
14-02-2008	00:22:51	30906958,000	162,000	0,270	270,000	972,000
14-02-2008	00:32:51	30907044,000	86,000	0,143	143,333	516,000
14-02-2008	00:42:51	30907124,000	80,000	0,133	133,333	480,000
14-02-2008	00:52:51	30907200,000	76,000	0,127	126,667	456,000
14-02-2008	01:02:51	30907272,000	72,000	0,120	120,000	432,000
14-02-2008	01:12:51	30907340,000	68,000	0,113	113,333	408,000
14-02-2008	01:22:51	30907408,000	68,000	0,113	113,333	408,000
14-02-2008	01:32:53	30907516,000	108,000	0,180	180,000	648,000
14-02-2008	01:42:53	30907760,000	244,000	0,407	406,667	1464,000
14-02-2008	01:52:53	30907952,000	192,000	0,320	320,000	1152,000
14-02-2008	02:02:53	30908030,000	78,000	0,130	130,000	468,000
14-02-2008	02:12:53	30908114,000	84,000	0,140	140,000	504,000
14-02-2008	02:22:53	30908196,000	82,000	0,137	136,667	492,000
14-02-2008	02:32:53	30908412,000	216,000	0,360	360,000	1296,000
14-02-2008	02:42:53	30908646,000	234,000	0,390	390,000	1404,000
14-02-2008	02:52:53	30908884,000	238,000	0,397	396,667	1428,000
14-02-2008	03:02:53	30909124,000	240,000	0,400	400,000	1440,000
14-02-2008	03:12:53	30909272,000	148,000	0,247	246,667	888,000
14-02-2008	03:22:54	30909332,000	60,000	0,100	100,000	360,000
14-02-2008	03:32:54	30909392,000	60,000	0,100	100,000	360,000
14-02-2008	03:42:54	30909452,000	60,000	0,100	100,000	360,000
14-02-2008	03:52:54	30909514,000	62,000	0,103	103,333	372,000
14-02-2008	04:02:54	30909574,000	60,000	0,100	100,000	360,000
14-02-2008	04:12:54	30909632,000	58,000	0,097	96,667	348,000
14-02-2008	04:22:54	30909828,000	196,000	0,327	326,667	1176,000
14-02-2008	04:32:54	30910054,000	226,000	0,377	376,667	1356,000
14-02-2008	04:42:54	30910112,000	58,000	0,097	96,667	348,000
14-02-2008	04:52:54	30910164,000	52,000	0,087	86,667	312,000
14-02-2008	05:02:54	30910216,000	52,000	0,087	86,667	312,000
14-02-2008	05:12:54	30910268,000	52,000	0,087	86,667	312,000
14-02-2008	05:22:55	30910318,000	50,000	0,083	83,333	300,000
14-02-2008	05:32:55	30910364,000	46,000	0,077	76,667	276,000
14-02-2008	05:42:55	30910410,000	46,000	0,077	76,667	276,000
14-02-2008	05:52:55	30910458,000	48,000	0,080	80,000	288,000
14-02-2008	06:02:55	30910508,000	50,000	0,083	83,333	300,000
14-02-2008	06:12:55	30910560,000	52,000	0,087	86,667	312,000
14-02-2008	06:22:55	30910624,000	64,000	0,107	106,667	384,000
14-02-2008	06:32:55	30910832,000	208,000	0,347	346,667	1248,000
14-02-2008	06:42:55	30911066,000	234,000	0,390	390,000	1404,000
14-02-2008	06:52:55	30911200,000	134,000	0,223	223,333	804,000
14-02-2008	07:02:55	30911320,000	120,000	0,200	200,000	720,000
14-02-2008	07:12:55	30911438,000	118,000	0,197	196,667	708,000
14-02-2008	07:22:55	30911544,000	106,000	0,177	176,667	636,000
14-02-2008	07:32:56	30911608,000	64,000	0,107	106,667	384,000
14-02-2008	07:42:56	30911842,000	234,000	0,390	390,000	1404,000
14-02-2008	07:52:56	30912086,000	244,000	0,407	406,667	1464,000

14-02-2008	08:02:56	30912334,000	248,000	0,413	413,333	1488,000
14-02-2008	08:12:56	30912578,000	244,000	0,407	406,667	1464,000
14-02-2008	08:22:56	30912834,000	256,000	0,427	426,667	1536,000
14-02-2008	08:32:56	30913098,000	264,000	0,440	440,000	1584,000
14-02-2008	08:42:56	30913334,000	236,000	0,393	393,333	1416,000
14-02-2008	08:52:56	30913506,000	172,000	0,287	286,667	1032,000
14-02-2008	09:02:56	30913704,000	198,000	0,330	330,000	1188,000
14-02-2008	09:12:56	30914002,000	298,000	0,497	496,667	1788,000
14-02-2008	09:22:56	30914300,000	298,000	0,497	496,667	1788,000
14-02-2008	09:32:56	30914582,000	282,000	0,470	470,000	1692,000
14-02-2008	09:42:56	30914862,000	280,000	0,467	466,667	1680,000
14-02-2008	09:52:56	30915140,000	278,000	0,463	463,333	1668,000
14-02-2008	10:02:56	30915414,000	274,000	0,457	456,667	1644,000
14-02-2008	10:12:56	30915550,000	136,000	0,227	226,667	816,000
14-02-2008	10:22:56	30915658,000	108,000	0,180	180,000	648,000
14-02-2008	10:32:56	30915768,000	110,000	0,183	183,333	660,000
14-02-2008	10:42:56	30915900,000	132,000	0,220	220,000	792,000
14-02-2008	10:52:56	30916162,000	262,000	0,437	436,667	1572,000
14-02-2008	11:02:56	30916438,000	276,000	0,460	460,000	1656,000
14-02-2008	11:12:56	30916626,000	188,000	0,313	313,333	1128,000
14-02-2008	11:22:56	30916798,000	172,000	0,287	286,667	1032,000
14-02-2008	11:32:56	30916984,000	186,000	0,310	310,000	1116,000
14-02-2008	11:42:56	30917248,000	264,000	0,440	440,000	1584,000
14-02-2008	11:52:56	30917578,000	330,000	0,550	550,000	1980,000
14-02-2008	12:02:56	30917862,000	284,000	0,473	473,333	1704,000
14-02-2008	12:12:56	30918136,000	274,000	0,457	456,667	1644,000
14-02-2008	12:22:56	30918412,000	276,000	0,460	460,000	1656,000
14-02-2008	12:32:56	30918690,000	278,000	0,463	463,333	1668,000
14-02-2008	12:42:56	30918974,000	284,000	0,473	473,333	1704,000
14-02-2008	12:52:57	30919262,000	288,000	0,480	480,000	1728,000
14-02-2008	13:02:57	30919544,000	282,000	0,470	470,000	1692,000
14-02-2008	13:12:57	30919840,000	296,000	0,493	493,333	1776,000
14-02-2008	13:22:57	30920142,000	302,000	0,503	503,333	1812,000
14-02-2008	13:32:57	30920444,000	302,000	0,503	503,333	1812,000
14-02-2008	13:42:57	30920746,000	302,000	0,503	503,333	1812,000
14-02-2008	13:52:57	30921038,000	292,000	0,487	486,667	1752,000
14-02-2008	14:02:57	30921250,000	212,000	0,353	353,333	1272,000
14-02-2008	14:12:57	30921440,000	190,000	0,317	316,667	1140,000
14-02-2008	14:22:57	30921752,000	312,000	0,520	520,000	1872,000
14-02-2008	14:32:57	30922072,000	320,000	0,533	533,333	1920,000
14-02-2008	14:42:57	30922366,000	294,000	0,490	490,000	1764,000
14-02-2008	14:52:57	30922536,000	170,000	0,283	283,333	1020,000
14-02-2008	15:02:57	30922682,000	146,000	0,243	243,333	876,000
14-02-2008	15:12:57	30922822,000	140,000	0,233	233,333	840,000
14-02-2008	15:22:57	30922964,000	142,000	0,237	236,667	852,000
14-02-2008	15:32:57	30923168,000	204,000	0,340	340,000	1224,000
14-02-2008	15:42:57	30923448,000	280,000	0,467	466,667	1680,000
14-02-2008	15:52:57	30923728,000	280,000	0,467	466,667	1680,000
14-02-2008	16:02:57	30924000,000	272,000	0,453	453,333	1632,000
14-02-2008	16:12:57	30924328,000	328,000	0,547	546,667	1968,000
14-02-2008	16:22:57	30924668,000	340,000	0,567	566,667	2040,000
14-02-2008	16:32:57	30925000,000	332,000	0,553	553,333	1992,000
14-02-2008	16:42:57	30925332,000	332,000	0,553	553,333	1992,000
14-02-2008	16:52:57	30925608,000	276,000	0,460	460,000	1656,000
14-02-2008	17:02:57	30925792,000	184,000	0,307	306,667	1104,000

14-02-2008	17:12:57	30925918,000	126,000	0,210	210,000	756,000
14-02-2008	17:22:57	30926142,000	224,000	0,373	373,333	1344,000
14-02-2008	17:32:57	30926412,000	270,000	0,450	450,000	1620,000
14-02-2008	17:42:57	30926684,000	272,000	0,453	453,333	1632,000
14-02-2008	17:52:57	30926958,000	274,000	0,457	456,667	1644,000
14-02-2008	18:02:57	30927230,000	272,000	0,453	453,333	1632,000
14-02-2008	18:12:57	30927506,000	276,000	0,460	460,000	1656,000
14-02-2008	18:22:57	30927786,000	280,000	0,467	466,667	1680,000
14-02-2008	18:32:57	30927944,000	158,000	0,263	263,333	948,000
14-02-2008	18:42:58	30928098,000	154,000	0,257	256,667	924,000
14-02-2008	18:52:58	30928242,000	144,000	0,240	240,000	864,000
14-02-2008	19:02:58	30928404,000	162,000	0,270	270,000	972,000
14-02-2008	19:12:58	30928680,000	276,000	0,460	460,000	1656,000
14-02-2008	19:22:58	30928942,000	262,000	0,437	436,667	1572,000
14-02-2008	19:32:58	30929080,000	138,000	0,230	230,000	828,000
14-02-2008	19:42:58	30929224,000	144,000	0,240	240,000	864,000
14-02-2008	19:52:58	30929386,000	162,000	0,270	270,000	972,000
14-02-2008	20:02:58	30929646,000	260,000	0,433	433,333	1560,000
14-02-2008	20:12:58	30929904,000	258,000	0,430	430,000	1548,000
14-02-2008	20:22:58	30930172,000	268,000	0,447	446,667	1608,000
14-02-2008	20:32:58	30930446,000	274,000	0,457	456,667	1644,000
14-02-2008	20:42:58	30930718,000	272,000	0,453	453,333	1632,000
14-02-2008	20:52:58	30931032,000	314,000	0,523	523,333	1884,000
14-02-2008	21:02:58	30931370,000	338,000	0,563	563,333	2028,000
14-02-2008	21:12:58	30931706,000	336,000	0,560	560,000	2016,000
14-02-2008	21:22:58	30932038,000	332,000	0,553	553,333	1992,000
14-02-2008	21:32:58	30932350,000	312,000	0,520	520,000	1872,000
14-02-2008	21:42:58	30932638,000	288,000	0,480	480,000	1728,000
14-02-2008	21:52:58	30932834,000	196,000	0,327	326,667	1176,000
14-02-2008	22:02:58	30933040,000	206,000	0,343	343,333	1236,000
14-02-2008	22:12:58	30933350,000	310,000	0,517	516,667	1860,000
14-02-2008	22:22:58	30933646,000	296,000	0,493	493,333	1776,000
14-02-2008	22:32:58	30933932,000	286,000	0,477	476,667	1716,000
14-02-2008	22:42:58	30934202,000	270,000	0,450	450,000	1620,000
14-02-2008	22:52:58	30934442,000	240,000	0,400	400,000	1440,000
14-02-2008	23:02:58	30934566,000	124,000	0,207	206,667	744,000
14-02-2008	23:12:58	30934664,000	98,000	0,163	163,333	588,000
14-02-2008	23:22:58	30934760,000	96,000	0,160	160,000	576,000
14-02-2008	23:32:58	30934856,000	96,000	0,160	160,000	576,000
14-02-2008	23:42:58	30935074,000	218,000	0,363	363,333	1308,000
14-02-2008	23:52:58	30935332,000	258,000	0,430	430,000	1548,000
15-02-2008	00:00:03	30935446,000	114,000	0,268	268,235	965,647

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
15-02-2008	00:00:03	30935446,000				
15-02-2008	00:02:59	30935478,000	32,000	0,182	181,818	654,545
15-02-2008	00:12:59	30935588,000	110,000	0,183	183,333	660,000
15-02-2008	00:22:59	30935684,000	96,000	0,160	160,000	576,000
15-02-2008	00:32:59	30935762,000	78,000	0,130	130,000	468,000
15-02-2008	00:42:59	30935840,000	78,000	0,130	130,000	468,000
15-02-2008	00:52:59	30935918,000	78,000	0,130	130,000	468,000
15-02-2008	01:02:59	30935994,000	76,000	0,127	126,667	456,000
15-02-2008	01:12:59	30936074,000	80,000	0,133	133,333	480,000
15-02-2008	01:22:59	30936318,000	244,000	0,407	406,667	1464,000
15-02-2008	01:32:59	30936560,000	242,000	0,403	403,333	1452,000
15-02-2008	01:42:59	30936798,000	238,000	0,397	396,667	1428,000
15-02-2008	01:52:59	30936942,000	144,000	0,240	240,000	864,000
15-02-2008	02:02:59	30937050,000	108,000	0,180	180,000	648,000
15-02-2008	02:12:59	30937216,000	166,000	0,277	276,667	996,000
15-02-2008	02:22:59	30937458,000	242,000	0,403	403,333	1452,000
15-02-2008	02:32:59	30937700,000	242,000	0,403	403,333	1452,000
15-02-2008	02:42:59	30937838,000	138,000	0,230	230,000	828,000
15-02-2008	02:52:59	30937904,000	66,000	0,110	110,000	396,000
15-02-2008	03:02:59	30937970,000	66,000	0,110	110,000	396,000
15-02-2008	03:12:59	30938036,000	66,000	0,110	110,000	396,000
15-02-2008	03:22:59	30938102,000	66,000	0,110	110,000	396,000
15-02-2008	03:32:59	30938166,000	64,000	0,107	106,667	384,000
15-02-2008	03:42:59	30938232,000	66,000	0,110	110,000	396,000
15-02-2008	03:53:00	30938296,000	64,000	0,107	106,667	384,000
15-02-2008	04:03:00	30938358,000	62,000	0,103	103,333	372,000
15-02-2008	04:13:00	30938526,000	168,000	0,280	280,000	1008,000
15-02-2008	04:23:00	30938762,000	236,000	0,393	393,333	1416,000
15-02-2008	04:33:00	30938864,000	102,000	0,170	170,000	612,000
15-02-2008	04:43:00	30938922,000	58,000	0,097	96,667	348,000
15-02-2008	04:53:00	30939030,000	108,000	0,180	180,000	648,000
15-02-2008	05:03:00	30939156,000	126,000	0,210	210,000	756,000
15-02-2008	05:13:00	30939278,000	122,000	0,203	203,333	732,000
15-02-2008	05:23:00	30939380,000	102,000	0,170	170,000	612,000
15-02-2008	05:33:00	30939434,000	54,000	0,090	90,000	324,000
15-02-2008	05:43:00	30939490,000	56,000	0,093	93,333	336,000
15-02-2008	05:53:00	30939548,000	58,000	0,097	96,667	348,000
15-02-2008	06:03:00	30939608,000	60,000	0,100	100,000	360,000
15-02-2008	06:13:00	30939668,000	60,000	0,100	100,000	360,000
15-02-2008	06:23:00	30939734,000	66,000	0,110	110,000	396,000
15-02-2008	06:33:00	30939796,000	62,000	0,103	103,333	372,000
15-02-2008	06:43:00	30939912,000	116,000	0,193	193,333	696,000
15-02-2008	06:53:00	30940136,000	224,000	0,373	373,333	1344,000
15-02-2008	07:03:00	30940268,000	132,000	0,220	220,000	792,000
15-02-2008	07:13:00	30940310,000	42,000	0,070	70,000	252,000
15-02-2008	07:23:00	30940360,000	50,000	0,083	83,333	300,000
15-02-2008	07:33:00	30940410,000	50,000	0,083	83,333	300,000
15-02-2008	07:43:00	30940460,000	50,000	0,083	83,333	300,000
15-02-2008	07:53:01	30940690,000	230,000	0,383	383,333	1380,000
15-02-2008	08:03:01	30940940,000	250,000	0,417	416,667	1500,000

15-02-2008	08:13:01	30941202,000	262,000	0,437	436,667	1572,000
15-02-2008	08:23:01	30941474,000	272,000	0,453	453,333	1632,000
15-02-2008	08:33:01	30941750,000	276,000	0,460	460,000	1656,000
15-02-2008	08:43:01	30941920,000	170,000	0,283	283,333	1020,000
15-02-2008	08:53:01	30942076,000	156,000	0,260	260,000	936,000
15-02-2008	09:03:01	30942372,000	296,000	0,493	493,333	1776,000
15-02-2008	09:13:01	30942664,000	292,000	0,487	486,667	1752,000
15-02-2008	09:23:01	30942932,000	268,000	0,447	446,667	1608,000
15-02-2008	09:33:01	30943204,000	272,000	0,453	453,333	1632,000
15-02-2008	09:43:01	30943476,000	272,000	0,453	453,333	1632,000
15-02-2008	09:53:01	30943748,000	272,000	0,453	453,333	1632,000
15-02-2008	10:03:01	30943932,000	184,000	0,307	306,667	1104,000
15-02-2008	10:13:01	30944048,000	116,000	0,193	193,333	696,000
15-02-2008	10:23:01	30944222,000	174,000	0,290	290,000	1044,000
15-02-2008	10:33:01	30944430,000	208,000	0,347	346,667	1248,000
15-02-2008	10:43:01	30944762,000	332,000	0,553	553,333	1992,000
15-02-2008	10:53:01	30945086,000	324,000	0,540	540,000	1944,000
15-02-2008	11:03:01	30945222,000	136,000	0,227	226,667	816,000
15-02-2008	11:13:01	30945340,000	118,000	0,197	196,667	708,000
15-02-2008	11:23:01	30945464,000	124,000	0,207	206,667	744,000
15-02-2008	11:33:01	30945598,000	134,000	0,223	223,333	804,000
15-02-2008	11:43:01	30945866,000	268,000	0,447	446,667	1608,000
15-02-2008	11:53:01	30946140,000	274,000	0,457	456,667	1644,000
15-02-2008	12:03:01	30946420,000	280,000	0,467	466,667	1680,000
15-02-2008	12:13:01	30946700,000	280,000	0,467	466,667	1680,000
15-02-2008	12:23:01	30946978,000	278,000	0,463	463,333	1668,000
15-02-2008	12:33:01	30947270,000	292,000	0,487	486,667	1752,000
15-02-2008	12:43:01	30947568,000	298,000	0,497	496,667	1788,000
15-02-2008	12:53:01	30947798,000	230,000	0,383	383,333	1380,000
15-02-2008	13:03:01	30947974,000	176,000	0,293	293,333	1056,000
15-02-2008	13:13:01	30948256,000	282,000	0,470	470,000	1692,000
15-02-2008	13:23:02	30948574,000	318,000	0,530	530,000	1908,000
15-02-2008	13:33:02	30948876,000	302,000	0,503	503,333	1812,000
15-02-2008	13:43:02	30949168,000	292,000	0,487	486,667	1752,000
15-02-2008	13:53:02	30949460,000	292,000	0,487	486,667	1752,000
15-02-2008	14:03:02	30949692,000	232,000	0,387	386,667	1392,000
15-02-2008	14:13:02	30949816,000	124,000	0,207	206,667	744,000
15-02-2008	14:23:02	30949932,000	116,000	0,193	193,333	696,000
15-02-2008	14:33:02	30950058,000	126,000	0,210	210,000	756,000
15-02-2008	14:43:02	30950340,000	282,000	0,470	470,000	1692,000
15-02-2008	14:53:02	30950682,000	342,000	0,570	570,000	2052,000
15-02-2008	15:03:02	30951022,000	340,000	0,567	566,667	2040,000
15-02-2008	15:13:02	30951366,000	344,000	0,573	573,333	2064,000
15-02-2008	15:23:02	30951620,000	254,000	0,423	423,333	1524,000
15-02-2008	15:33:02	30951768,000	148,000	0,247	246,667	888,000
15-02-2008	15:43:02	30952020,000	252,000	0,420	420,000	1512,000
15-02-2008	15:53:02	30952308,000	288,000	0,480	480,000	1728,000
15-02-2008	16:03:02	30952592,000	284,000	0,473	473,333	1704,000
15-02-2008	16:13:02	30952872,000	280,000	0,467	466,667	1680,000
15-02-2008	16:23:02	30953158,000	286,000	0,477	476,667	1716,000
15-02-2008	16:33:02	30953442,000	284,000	0,473	473,333	1704,000
15-02-2008	16:43:02	30953724,000	282,000	0,470	470,000	1692,000
15-02-2008	16:53:02	30953944,000	220,000	0,367	366,667	1320,000
15-02-2008	17:03:02	30954088,000	144,000	0,240	240,000	864,000
15-02-2008	17:13:02	30954312,000	224,000	0,373	373,333	1344,000
15-02-2008	17:23:02	30954596,000	284,000	0,473	473,333	1704,000

15-02-2008	17:33:02	30954880,000	284,000	0,473	473,333	1704,000
15-02-2008	17:43:02	30955164,000	284,000	0,473	473,333	1704,000
15-02-2008	17:53:02	30955448,000	284,000	0,473	473,333	1704,000
15-02-2008	18:03:02	30955732,000	284,000	0,473	473,333	1704,000
15-02-2008	18:13:02	30955918,000	186,000	0,310	310,000	1116,000
15-02-2008	18:23:02	30956056,000	138,000	0,230	230,000	828,000
15-02-2008	18:33:02	30956184,000	128,000	0,213	213,333	768,000
15-02-2008	18:43:02	30956308,000	124,000	0,207	206,667	744,000
15-02-2008	18:53:02	30956486,000	178,000	0,297	296,667	1068,000
15-02-2008	19:03:02	30956750,000	264,000	0,440	440,000	1584,000
15-02-2008	19:13:02	30956954,000	204,000	0,340	340,000	1224,000
15-02-2008	19:23:02	30957074,000	120,000	0,200	200,000	720,000
15-02-2008	19:33:02	30957252,000	178,000	0,297	296,667	1068,000
15-02-2008	19:43:02	30957560,000	308,000	0,513	513,333	1848,000
15-02-2008	19:53:02	30957880,000	320,000	0,533	533,333	1920,000
15-02-2008	20:03:03	30958202,000	322,000	0,537	536,667	1932,000
15-02-2008	20:13:03	30958476,000	274,000	0,457	456,667	1644,000
15-02-2008	20:23:03	30958748,000	272,000	0,453	453,333	1632,000
15-02-2008	20:33:03	30959020,000	272,000	0,453	453,333	1632,000
15-02-2008	20:43:03	30959288,000	268,000	0,447	446,667	1608,000
15-02-2008	20:53:03	30959566,000	278,000	0,463	463,333	1668,000
15-02-2008	21:03:03	30959850,000	284,000	0,473	473,333	1704,000
15-02-2008	21:13:03	30960138,000	288,000	0,480	480,000	1728,000
15-02-2008	21:23:03	30960392,000	254,000	0,423	423,333	1524,000
15-02-2008	21:33:03	30960590,000	198,000	0,330	330,000	1188,000
15-02-2008	21:43:03	30960832,000	242,000	0,403	403,333	1452,000
15-02-2008	21:53:03	30961142,000	310,000	0,517	516,667	1860,000
15-02-2008	22:03:03	30961452,000	310,000	0,517	516,667	1860,000
15-02-2008	22:13:03	30961744,000	292,000	0,487	486,667	1752,000
15-02-2008	22:23:03	30962022,000	278,000	0,463	463,333	1668,000
15-02-2008	22:33:03	30962300,000	278,000	0,463	463,333	1668,000
15-02-2008	22:43:03	30962578,000	278,000	0,463	463,333	1668,000
15-02-2008	22:53:03	30962858,000	280,000	0,467	466,667	1680,000
15-02-2008	23:03:03	30963016,000	158,000	0,263	263,333	948,000
15-02-2008	23:13:03	30963132,000	116,000	0,193	193,333	696,000
15-02-2008	23:23:03	30963244,000	112,000	0,187	186,667	672,000
15-02-2008	23:33:03	30963356,000	112,000	0,187	186,667	672,000
15-02-2008	23:43:03	30963598,000	242,000	0,403	403,333	1452,000
15-02-2008	23:53:03	30963864,000	266,000	0,443	443,333	1596,000
16-02-2008	00:00:25	30963980,000	116,000	0,262	262,443	944,796

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
16-02-2008	00:00:25	30963980,000				
16-02-2008	00:03:03	30964012,000	32,000	0,203	202,532	729,114
16-02-2008	00:13:03	30964138,000	126,000	0,210	210,000	756,000
16-02-2008	00:23:03	30964318,000	180,000	0,300	300,000	1080,000
16-02-2008	00:33:03	30964500,000	182,000	0,303	303,333	1092,000
16-02-2008	00:43:03	30964674,000	174,000	0,290	290,000	1044,000
16-02-2008	00:53:03	30964830,000	156,000	0,260	260,000	936,000
16-02-2008	01:03:03	30964940,000	110,000	0,183	183,333	660,000
16-02-2008	01:13:03	30965084,000	144,000	0,240	240,000	864,000
16-02-2008	01:23:04	30965336,000	252,000	0,420	420,000	1512,000
16-02-2008	01:33:04	30965546,000	210,000	0,350	350,000	1260,000
16-02-2008	01:43:04	30965636,000	90,000	0,150	150,000	540,000
16-02-2008	01:53:04	30965730,000	94,000	0,157	156,667	564,000
16-02-2008	02:03:04	30965822,000	92,000	0,153	153,333	552,000
16-02-2008	02:13:04	30965996,000	174,000	0,290	290,000	1044,000
16-02-2008	02:23:04	30966238,000	242,000	0,403	403,333	1452,000
16-02-2008	02:33:04	30966478,000	240,000	0,400	400,000	1440,000
16-02-2008	02:43:04	30966716,000	238,000	0,397	396,667	1428,000
16-02-2008	02:53:04	30966946,000	230,000	0,383	383,333	1380,000
16-02-2008	03:03:04	30967026,000	80,000	0,133	133,333	480,000
16-02-2008	03:13:04	30967106,000	80,000	0,133	133,333	480,000
16-02-2008	03:23:04	30967188,000	82,000	0,137	136,667	492,000
16-02-2008	03:33:04	30967266,000	78,000	0,130	130,000	468,000
16-02-2008	03:43:04	30967346,000	80,000	0,133	133,333	480,000
16-02-2008	03:53:04	30967426,000	80,000	0,133	133,333	480,000
16-02-2008	04:03:04	30967502,000	76,000	0,127	126,667	456,000
16-02-2008	04:13:04	30967578,000	76,000	0,127	126,667	456,000
16-02-2008	04:23:04	30967652,000	74,000	0,123	123,333	444,000
16-02-2008	04:33:04	30967756,000	104,000	0,173	173,333	624,000
16-02-2008	04:43:04	30967990,000	234,000	0,390	390,000	1404,000
16-02-2008	04:53:04	30968174,000	184,000	0,307	306,667	1104,000
16-02-2008	05:03:04	30968218,000	44,000	0,073	73,333	264,000
16-02-2008	05:13:04	30968264,000	46,000	0,077	76,667	276,000
16-02-2008	05:23:04	30968306,000	42,000	0,070	70,000	252,000
16-02-2008	05:33:05	30968352,000	46,000	0,077	76,667	276,000
16-02-2008	05:43:05	30968394,000	42,000	0,070	70,000	252,000
16-02-2008	05:53:05	30968436,000	42,000	0,070	70,000	252,000
16-02-2008	06:03:05	30968480,000	44,000	0,073	73,333	264,000
16-02-2008	06:13:05	30968524,000	44,000	0,073	73,333	264,000
16-02-2008	06:23:05	30968570,000	46,000	0,077	76,667	276,000
16-02-2008	06:33:05	30968616,000	46,000	0,077	76,667	276,000
16-02-2008	06:43:05	30968664,000	48,000	0,080	80,000	288,000
16-02-2008	06:53:05	30968714,000	50,000	0,083	83,333	300,000
16-02-2008	07:03:05	30968762,000	48,000	0,080	80,000	288,000
16-02-2008	07:13:05	30968930,000	168,000	0,280	280,000	1008,000
16-02-2008	07:23:05	30969140,000	210,000	0,350	350,000	1260,000
16-02-2008	07:33:05	30969216,000	76,000	0,127	126,667	456,000
16-02-2008	07:43:05	30969270,000	54,000	0,090	90,000	324,000

16-02-2008	07:53:05	30969326,000	56,000	0,093	93,333	336,000
16-02-2008	08:03:05	30969386,000	60,000	0,100	100,000	360,000
16-02-2008	08:13:05	30969446,000	60,000	0,100	100,000	360,000
16-02-2008	08:23:05	30969528,000	82,000	0,137	136,667	492,000
16-02-2008	08:33:05	30969672,000	144,000	0,240	240,000	864,000
16-02-2008	08:43:05	30969930,000	258,000	0,430	430,000	1548,000
16-02-2008	08:53:05	30970192,000	262,000	0,437	436,667	1572,000
16-02-2008	09:03:05	30970452,000	260,000	0,433	433,333	1560,000
16-02-2008	09:13:05	30970720,000	268,000	0,447	446,667	1608,000
16-02-2008	09:23:05	30970954,000	234,000	0,390	390,000	1404,000
16-02-2008	09:33:05	30971150,000	196,000	0,327	326,667	1176,000
16-02-2008	09:43:05	30971452,000	302,000	0,503	503,333	1812,000
16-02-2008	09:53:05	30971796,000	344,000	0,573	573,333	2064,000
16-02-2008	10:03:05	30972074,000	278,000	0,463	463,333	1668,000
16-02-2008	10:13:05	30972358,000	284,000	0,473	473,333	1704,000
16-02-2008	10:23:05	30972646,000	288,000	0,480	480,000	1728,000
16-02-2008	10:33:05	30972936,000	290,000	0,483	483,333	1740,000
16-02-2008	10:43:05	30973102,000	166,000	0,277	276,667	996,000
16-02-2008	10:53:05	30973246,000	144,000	0,240	240,000	864,000
16-02-2008	11:03:05	30973390,000	144,000	0,240	240,000	864,000
16-02-2008	11:13:05	30973638,000	248,000	0,413	413,333	1488,000
16-02-2008	11:23:05	30973922,000	284,000	0,473	473,333	1704,000
16-02-2008	11:33:05	30974160,000	238,000	0,397	396,667	1428,000
16-02-2008	11:43:05	30974316,000	156,000	0,260	260,000	936,000
16-02-2008	11:53:06	30974448,000	132,000	0,220	220,000	792,000
16-02-2008	12:03:06	30974704,000	256,000	0,427	426,667	1536,000
16-02-2008	12:13:06	30974984,000	280,000	0,467	466,667	1680,000
16-02-2008	12:23:06	30975280,000	296,000	0,493	493,333	1776,000
16-02-2008	12:33:06	30975582,000	302,000	0,503	503,333	1812,000
16-02-2008	12:43:06	30975880,000	298,000	0,497	496,667	1788,000
16-02-2008	12:53:06	30976200,000	320,000	0,533	533,333	1920,000
16-02-2008	13:03:06	30976568,000	368,000	0,613	613,333	2208,000
16-02-2008	13:13:06	30976938,000	370,000	0,617	616,667	2220,000
16-02-2008	13:23:06	30977314,000	376,000	0,627	626,667	2256,000
16-02-2008	13:33:06	30977688,000	374,000	0,623	623,333	2244,000
16-02-2008	13:43:06	30978014,000	326,000	0,543	543,333	1956,000
16-02-2008	13:53:06	30978336,000	322,000	0,537	536,667	1932,000
16-02-2008	14:03:06	30978662,000	326,000	0,543	543,333	1956,000
16-02-2008	14:13:06	30978988,000	326,000	0,543	543,333	1956,000
16-02-2008	14:23:06	30979316,000	328,000	0,547	546,667	1968,000
16-02-2008	14:33:06	30979642,000	326,000	0,543	543,333	1956,000
16-02-2008	14:43:06	30979966,000	324,000	0,540	540,000	1944,000
16-02-2008	14:53:06	30980248,000	282,000	0,470	470,000	1692,000
16-02-2008	15:03:06	30980428,000	180,000	0,300	300,000	1080,000
16-02-2008	15:13:06	30980610,000	182,000	0,303	303,333	1092,000
16-02-2008	15:23:06	30980830,000	220,000	0,367	366,667	1320,000
16-02-2008	15:33:06	30981116,000	286,000	0,477	476,667	1716,000
16-02-2008	15:43:06	30981400,000	284,000	0,473	473,333	1704,000
16-02-2008	15:53:06	30981600,000	200,000	0,333	333,333	1200,000
16-02-2008	16:03:06	30981736,000	136,000	0,227	226,667	816,000
16-02-2008	16:13:06	30981958,000	222,000	0,370	370,000	1332,000
16-02-2008	16:23:06	30982236,000	278,000	0,463	463,333	1668,000
16-02-2008	16:33:06	30982516,000	280,000	0,467	466,667	1680,000
16-02-2008	16:43:06	30982798,000	282,000	0,470	470,000	1692,000
16-02-2008	16:53:06	30983080,000	282,000	0,470	470,000	1692,000

16-02-2008	17:03:06	30983400,000	320,000	0,533	533,333	1920,000
16-02-2008	17:13:06	30983736,000	336,000	0,560	560,000	2016,000
16-02-2008	17:23:06	30984082,000	346,000	0,577	576,667	2076,000
16-02-2008	17:33:06	30984428,000	346,000	0,577	576,667	2076,000
16-02-2008	17:43:06	30984742,000	314,000	0,523	523,333	1884,000
16-02-2008	17:53:06	30985038,000	296,000	0,493	493,333	1776,000
16-02-2008	18:03:07	30985326,000	288,000	0,480	480,000	1728,000
16-02-2008	18:13:07	30985616,000	290,000	0,483	483,333	1740,000
16-02-2008	18:23:07	30985900,000	284,000	0,473	473,333	1704,000
16-02-2008	18:33:07	30986190,000	290,000	0,483	483,333	1740,000
16-02-2008	18:43:07	30986482,000	292,000	0,487	486,667	1752,000
16-02-2008	18:53:07	30986668,000	186,000	0,310	310,000	1116,000
16-02-2008	19:03:07	30986828,000	160,000	0,267	266,667	960,000
16-02-2008	19:13:07	30987122,000	294,000	0,490	490,000	1764,000
16-02-2008	19:23:07	30987404,000	282,000	0,470	470,000	1692,000
16-02-2008	19:33:07	30987672,000	268,000	0,447	446,667	1608,000
16-02-2008	19:43:07	30987942,000	270,000	0,450	450,000	1620,000
16-02-2008	19:53:07	30988126,000	184,000	0,307	306,667	1104,000
16-02-2008	20:03:07	30988252,000	126,000	0,210	210,000	756,000
16-02-2008	20:13:07	30988364,000	112,000	0,187	186,667	672,000
16-02-2008	20:23:07	30988510,000	146,000	0,243	243,333	876,000
16-02-2008	20:33:07	30988780,000	270,000	0,450	450,000	1620,000
16-02-2008	20:43:07	30989052,000	272,000	0,453	453,333	1632,000
16-02-2008	20:53:07	30989326,000	274,000	0,457	456,667	1644,000
16-02-2008	21:03:07	30989542,000	216,000	0,360	360,000	1296,000
16-02-2008	21:13:07	30989744,000	202,000	0,337	336,667	1212,000
16-02-2008	21:23:07	30990024,000	280,000	0,467	466,667	1680,000
16-02-2008	21:33:07	30990364,000	340,000	0,567	566,667	2040,000
16-02-2008	21:43:07	30990696,000	332,000	0,553	553,333	1992,000
16-02-2008	21:53:07	30990968,000	272,000	0,453	453,333	1632,000
16-02-2008	22:03:07	30991246,000	278,000	0,463	463,333	1668,000
16-02-2008	22:13:07	30991524,000	278,000	0,463	463,333	1668,000
16-02-2008	22:23:07	30991802,000	278,000	0,463	463,333	1668,000
16-02-2008	22:33:07	30992078,000	276,000	0,460	460,000	1656,000
16-02-2008	22:43:07	30992354,000	276,000	0,460	460,000	1656,000
16-02-2008	22:53:07	30992622,000	268,000	0,447	446,667	1608,000
16-02-2008	23:03:07	30992810,000	188,000	0,313	313,333	1128,000
16-02-2008	23:13:07	30992946,000	136,000	0,227	226,667	816,000
16-02-2008	23:23:07	30993184,000	238,000	0,397	396,667	1428,000
16-02-2008	23:33:08	30993466,000	282,000	0,470	470,000	1692,000
16-02-2008	23:43:08	30993692,000	226,000	0,377	376,667	1356,000
16-02-2008	23:53:08	30993814,000	122,000	0,203	203,333	732,000
17-02-2008	00:00:15	30993892,000	78,000	0,183	182,670	657,611

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
17-02-2008	00:00:15	30993892,000				
17-02-2008	00:03:08	30993920,000	28,000	0,162	161,850	582,659
17-02-2008	00:13:08	30994016,000	96,000	0,160	160,000	576,000
17-02-2008	00:23:08	30994106,000	90,000	0,150	150,000	540,000
17-02-2008	00:33:08	30994194,000	88,000	0,147	146,667	528,000
17-02-2008	00:43:08	30994282,000	88,000	0,147	146,667	528,000
17-02-2008	00:53:08	30994456,000	174,000	0,290	290,000	1044,000
17-02-2008	01:03:08	30994698,000	242,000	0,403	403,333	1452,000
17-02-2008	01:13:08	30994848,000	150,000	0,250	250,000	900,000
17-02-2008	01:23:08	30994922,000	74,000	0,123	123,333	444,000
17-02-2008	01:33:08	30994998,000	76,000	0,127	126,667	456,000
17-02-2008	01:43:08	30995072,000	74,000	0,123	123,333	444,000
17-02-2008	01:53:08	30995148,000	76,000	0,127	126,667	456,000
17-02-2008	02:03:08	30995222,000	74,000	0,123	123,333	444,000
17-02-2008	02:13:08	30995298,000	76,000	0,127	126,667	456,000
17-02-2008	02:23:08	30995374,000	76,000	0,127	126,667	456,000
17-02-2008	02:33:08	30995450,000	76,000	0,127	126,667	456,000
17-02-2008	02:43:08	30995526,000	76,000	0,127	126,667	456,000
17-02-2008	02:53:08	30995696,000	170,000	0,283	283,333	1020,000
17-02-2008	03:03:08	30995934,000	238,000	0,397	396,667	1428,000
17-02-2008	03:13:08	30996166,000	232,000	0,387	386,667	1392,000
17-02-2008	03:23:08	30996348,000	182,000	0,303	303,333	1092,000
17-02-2008	03:33:08	30996406,000	58,000	0,097	96,667	348,000
17-02-2008	03:43:08	30996466,000	60,000	0,100	100,000	360,000
17-02-2008	03:53:08	30996694,000	228,000	0,380	380,000	1368,000
17-02-2008	04:03:08	30996928,000	234,000	0,390	390,000	1404,000
17-02-2008	04:13:09	30997072,000	144,000	0,240	240,000	864,000
17-02-2008	04:23:09	30997128,000	56,000	0,093	93,333	336,000
17-02-2008	04:33:09	30997186,000	58,000	0,097	96,667	348,000
17-02-2008	04:43:09	30997244,000	58,000	0,097	96,667	348,000
17-02-2008	04:53:09	30997338,000	94,000	0,157	156,667	564,000
17-02-2008	05:03:09	30997464,000	126,000	0,210	210,000	756,000
17-02-2008	05:13:09	30997588,000	124,000	0,207	206,667	744,000
17-02-2008	05:23:09	30997704,000	116,000	0,193	193,333	696,000
17-02-2008	05:33:09	30997758,000	54,000	0,090	90,000	324,000
17-02-2008	05:43:09	30997816,000	58,000	0,097	96,667	348,000
17-02-2008	05:53:09	30997872,000	56,000	0,093	93,333	336,000
17-02-2008	06:03:09	30997922,000	50,000	0,083	83,333	300,000
17-02-2008	06:13:09	30998136,000	214,000	0,357	356,667	1284,000
17-02-2008	06:23:09	30998332,000	196,000	0,327	326,667	1176,000
17-02-2008	06:33:09	30998372,000	40,000	0,067	66,667	240,000
17-02-2008	06:43:09	30998414,000	42,000	0,070	70,000	252,000
17-02-2008	06:53:09	30998456,000	42,000	0,070	70,000	252,000
17-02-2008	07:03:09	30998498,000	42,000	0,070	70,000	252,000
17-02-2008	07:13:09	30998538,000	40,000	0,067	66,667	240,000
17-02-2008	07:23:09	30998580,000	42,000	0,070	70,000	252,000
17-02-2008	07:33:09	30998622,000	42,000	0,070	70,000	252,000
17-02-2008	07:43:09	30998664,000	42,000	0,070	70,000	252,000

17-02-2008	07:53:09	30998706,000	42,000	0,070	70,000	252,000
17-02-2008	08:03:09	30998748,000	42,000	0,070	70,000	252,000
17-02-2008	08:13:09	30998790,000	42,000	0,070	70,000	252,000
17-02-2008	08:23:09	30998834,000	44,000	0,073	73,333	264,000
17-02-2008	08:33:10	30998974,000	140,000	0,233	233,333	840,000
17-02-2008	08:43:10	30999206,000	232,000	0,387	386,667	1392,000
17-02-2008	08:53:10	30999318,000	112,000	0,187	186,667	672,000
17-02-2008	09:03:10	30999382,000	64,000	0,107	106,667	384,000
17-02-2008	09:13:10	30999448,000	66,000	0,110	110,000	396,000
17-02-2008	09:23:10	30999592,000	144,000	0,240	240,000	864,000
17-02-2008	09:33:10	30999842,000	250,000	0,417	416,667	1500,000
17-02-2008	09:43:10	31000098,000	256,000	0,427	426,667	1536,000
17-02-2008	09:53:10	31000356,000	258,000	0,430	430,000	1548,000
17-02-2008	10:03:10	31000612,000	256,000	0,427	426,667	1536,000
17-02-2008	10:13:10	31000758,000	146,000	0,243	243,333	876,000
17-02-2008	10:23:10	31000874,000	116,000	0,193	193,333	696,000
17-02-2008	10:33:10	31001136,000	262,000	0,437	436,667	1572,000
17-02-2008	10:43:10	31001422,000	286,000	0,477	476,667	1716,000
17-02-2008	10:53:10	31001748,000	326,000	0,543	543,333	1956,000
17-02-2008	11:03:10	31002082,000	334,000	0,557	556,667	2004,000
17-02-2008	11:13:10	31002422,000	340,000	0,567	566,667	2040,000
17-02-2008	11:23:10	31002666,000	244,000	0,407	406,667	1464,000
17-02-2008	11:33:10	31002842,000	176,000	0,293	293,333	1056,000
17-02-2008	11:43:10	31003000,000	158,000	0,263	263,333	948,000
17-02-2008	11:53:10	31003266,000	266,000	0,443	443,333	1596,000
17-02-2008	12:03:10	31003552,000	286,000	0,477	476,667	1716,000
17-02-2008	12:13:10	31003800,000	248,000	0,413	413,333	1488,000
17-02-2008	12:23:10	31003952,000	152,000	0,253	253,333	912,000
17-02-2008	12:33:10	31004080,000	128,000	0,213	213,333	768,000
17-02-2008	12:43:10	31004338,000	258,000	0,430	430,000	1548,000
17-02-2008	12:53:10	31004618,000	280,000	0,467	466,667	1680,000
17-02-2008	13:03:10	31004916,000	298,000	0,497	496,667	1788,000
17-02-2008	13:13:10	31005224,000	308,000	0,513	513,333	1848,000
17-02-2008	13:23:11	31005526,000	302,000	0,503	503,333	1812,000
17-02-2008	13:33:11	31005836,000	310,000	0,517	516,667	1860,000
17-02-2008	13:43:11	31006144,000	308,000	0,513	513,333	1848,000
17-02-2008	13:53:11	31006450,000	306,000	0,510	510,000	1836,000
17-02-2008	14:03:11	31006760,000	310,000	0,517	516,667	1860,000
17-02-2008	14:13:11	31007066,000	306,000	0,510	510,000	1836,000
17-02-2008	14:23:11	31007372,000	306,000	0,510	510,000	1836,000
17-02-2008	14:33:11	31007706,000	334,000	0,557	556,667	2004,000
17-02-2008	14:43:11	31008064,000	358,000	0,597	596,667	2148,000
17-02-2008	14:53:11	31008420,000	356,000	0,593	593,333	2136,000
17-02-2008	15:03:11	31008686,000	266,000	0,443	443,333	1596,000
17-02-2008	15:13:11	31008902,000	216,000	0,360	360,000	1296,000
17-02-2008	15:23:11	31009070,000	168,000	0,280	280,000	1008,000
17-02-2008	15:33:11	31009310,000	240,000	0,400	400,000	1440,000
17-02-2008	15:43:11	31009606,000	296,000	0,493	493,333	1776,000
17-02-2008	15:53:11	31009850,000	244,000	0,407	406,667	1464,000
17-02-2008	16:03:11	31009990,000	140,000	0,233	233,333	840,000
17-02-2008	16:13:11	31010106,000	116,000	0,193	193,333	696,000
17-02-2008	16:23:11	31010224,000	118,000	0,197	196,667	708,000
17-02-2008	16:33:11	31010430,000	206,000	0,343	343,333	1236,000
17-02-2008	16:43:11	31010686,000	256,000	0,427	426,667	1536,000
17-02-2008	16:53:11	31010944,000	258,000	0,430	430,000	1548,000

17-02-2008	17:03:11	31011200,000	256,000	0,427	426,667	1536,000
17-02-2008	17:13:11	31011456,000	256,000	0,427	426,667	1536,000
17-02-2008	17:23:11	31011710,000	254,000	0,423	423,333	1524,000
17-02-2008	17:33:11	31011964,000	254,000	0,423	423,333	1524,000
17-02-2008	17:43:11	31012084,000	120,000	0,200	200,000	720,000
17-02-2008	17:53:11	31012208,000	124,000	0,207	206,667	744,000
17-02-2008	18:03:11	31012468,000	260,000	0,433	433,333	1560,000
17-02-2008	18:13:11	31012726,000	258,000	0,430	430,000	1548,000
17-02-2008	18:23:11	31012988,000	262,000	0,437	436,667	1572,000
17-02-2008	18:33:11	31013248,000	260,000	0,433	433,333	1560,000
17-02-2008	18:43:11	31013506,000	258,000	0,430	430,000	1548,000
17-02-2008	18:53:11	31013764,000	258,000	0,430	430,000	1548,000
17-02-2008	19:03:11	31013910,000	146,000	0,243	243,333	876,000
17-02-2008	19:13:11	31014054,000	144,000	0,240	240,000	864,000
17-02-2008	19:23:11	31014196,000	142,000	0,237	236,667	852,000
17-02-2008	19:33:11	31014322,000	126,000	0,210	210,000	756,000
17-02-2008	19:43:11	31014486,000	164,000	0,273	273,333	984,000
17-02-2008	19:53:11	31014742,000	256,000	0,427	426,667	1536,000
17-02-2008	20:03:11	31014960,000	218,000	0,363	363,333	1308,000
17-02-2008	20:13:11	31015142,000	182,000	0,303	303,333	1092,000
17-02-2008	20:23:11	31015328,000	186,000	0,310	310,000	1116,000
17-02-2008	20:33:11	31015620,000	292,000	0,487	486,667	1752,000
17-02-2008	20:43:11	31015942,000	322,000	0,537	536,667	1932,000
17-02-2008	20:53:11	31016218,000	276,000	0,460	460,000	1656,000
17-02-2008	21:03:11	31016498,000	280,000	0,467	466,667	1680,000
17-02-2008	21:13:11	31016774,000	276,000	0,460	460,000	1656,000
17-02-2008	21:23:12	31017042,000	268,000	0,447	446,667	1608,000
17-02-2008	21:33:12	31017314,000	272,000	0,453	453,333	1632,000
17-02-2008	21:43:12	31017534,000	220,000	0,367	366,667	1320,000
17-02-2008	21:53:12	31017674,000	140,000	0,233	233,333	840,000
17-02-2008	22:03:12	31017886,000	212,000	0,353	353,333	1272,000
17-02-2008	22:13:12	31018160,000	274,000	0,457	456,667	1644,000
17-02-2008	22:23:12	31018438,000	278,000	0,463	463,333	1668,000
17-02-2008	22:33:12	31018714,000	276,000	0,460	460,000	1656,000
17-02-2008	22:43:12	31018986,000	272,000	0,453	453,333	1632,000
17-02-2008	22:53:12	31019256,000	270,000	0,450	450,000	1620,000
17-02-2008	23:03:12	31019484,000	228,000	0,380	380,000	1368,000
17-02-2008	23:13:12	31019606,000	122,000	0,203	203,333	732,000
17-02-2008	23:23:12	31019724,000	118,000	0,197	196,667	708,000
17-02-2008	23:33:12	31019838,000	114,000	0,190	190,000	684,000
17-02-2008	23:43:12	31019952,000	114,000	0,190	190,000	684,000
17-02-2008	23:53:12	31020150,000	198,000	0,330	330,000	1188,000
18-02-2008	00:00:04	31020332,000	182,000	0,442	441,748	1590,291

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	15-Fev	16-Fev	17-Fev	Caudais Médios m3/h	Caudal Médio Horário	Factor de Consumo
Hora	Caudal (m3/h)											
00:00-00:10	618,03	1556,76	1527,27	684,00	588,00	1524,00	660,00	756,00	576,00	943,34	706,334	0,802
00:10-00:20	576,00	1488,00	1320,00	648,00	576,00	972,00	576,00	1080,00	540,00	864,00		0,735
00:20-00:30	540,00	612,00	600,00	588,00	516,00	516,00	468,00	1092,00	528,00	606,67		0,516
00:30-00:40	528,00	588,00	576,00	528,00	504,00	480,00	468,00	1044,00	528,00	582,67		0,496
00:40-00:50	516,00	588,00	504,00	492,00	516,00	456,00	468,00	936,00	1044,00	613,33		0,522
00:50-01:00	588,00	588,00	480,00	480,00	516,00	432,00	456,00	660,00	1452,00	628,00		0,534
01:00-01:10	1428,00	564,00	456,00	480,00	516,00	408,00	480,00	864,00	900,00	677,33	846,000	0,576
01:10-01:20	1416,00	540,00	456,00	1020,00	1128,00	408,00	1464,00	1512,00	444,00	932,00		0,793
01:20-01:30	1020,00	564,00	432,00	1464,00	1464,00	648,00	1452,00	1260,00	456,00	973,33		0,828
01:30-01:40	468,00	696,00	504,00	816,00	792,00	1464,00	1428,00	540,00	444,00	794,67		0,676
01:40-01:50	636,00	1872,00	1404,00	396,00	432,00	1152,00	864,00	564,00	456,00	864,00		0,735
01:50-02:00	1392,00	1860,00	1296,00	420,00	432,00	468,00	648,00	552,00	444,00	834,67		0,710
02:00-02:10	1404,00	924,00	336,00	564,00	432,00	504,00	996,00	1044,00	456,00	740,00	930,667	0,629
02:10-02:20	1404,00	600,00	348,00	1452,00	1428,00	492,00	1452,00	1452,00	456,00	1009,33		0,858
02:20-02:30	1260,00	492,00	336,00	1440,00	1428,00	1296,00	1452,00	1440,00	456,00	1066,67		0,907
02:30-02:40	456,00	864,00	336,00	1440,00	1416,00	1404,00	828,00	1428,00	456,00	958,67		0,815
02:40-02:50	468,00	1428,00	336,00	1392,00	1428,00	1428,00	396,00	1380,00	1020,00	1030,67		0,876
02:50-03:00	480,00	1380,00	336,00	420,00	648,00	1440,00	396,00	480,00	1428,00	778,67		0,662
03:00-03:10	480,00	1404,00	336,00	456,00	408,00	888,00	396,00	480,00	1392,00	693,33	548,889	0,590
03:10-03:20	492,00	1332,00	324,00	444,00	432,00	360,00	396,00	492,00	1092,00	596,00		0,507
03:20-03:30	444,00	408,00	348,00	384,00	432,00	360,00	384,00	468,00	348,00	397,33		0,338
03:30-03:40	444,00	420,00	336,00	360,00	432,00	360,00	396,00	480,00	360,00	398,67		0,339
03:40-03:50	444,00	420,00	576,00	360,00	420,00	372,00	384,00	480,00	1368,00	536,00		0,456
03:50-04:00	936,00	408,00	1344,00	348,00	420,00	360,00	372,00	456,00	1404,00	672,00		0,571
04:00-04:10	1416,00	408,00	1368,00	336,00	420,00	348,00	1008,00	456,00	864,00	736,00	661,556	0,626
04:10-04:20	816,00	420,00	1344,00	408,00	912,00	1176,00	1416,00	444,00	336,00	808,00		0,687
04:20-04:30	420,00	408,00	1356,00	1320,00	1428,00	1356,00	612,00	624,00	348,00	874,67		0,744
04:30-04:40	372,00	420,00	324,00	1116,00	756,00	348,00	348,00	1404,00	348,00	604,00		0,514
04:40-04:50	372,00	408,00	312,00	276,00	384,00	312,00	648,00	1104,00	564,00	486,67		0,414
04:50-05:00	360,00	744,00	276,00	288,00	384,00	312,00	756,00	264,00	756,00	460,00		0,391
05:00-05:10	348,00	1404,00	696,00	288,00	384,00	312,00	732,00	276,00	744,00	576,00	405,556	0,490
05:10-05:20	348,00	960,00	1296,00	264,00	384,00	300,00	612,00	252,00	696,00	568,00		0,483
05:20-05:30	336,00	384,00	708,00	264,00	372,00	276,00	324,00	276,00	324,00	362,67		0,308
05:30-05:40	348,00	372,00	228,00	252,00	372,00	276,00	336,00	252,00	348,00	309,33		0,263
05:40-05:50	336,00	384,00	228,00	252,00	360,00	288,00	348,00	252,00	336,00	309,33		0,263
05:50-06:00	324,00	384,00	252,00	240,00	348,00	300,00	360,00	264,00	300,00	308,00		0,262
06:00-06:10	336,00	384,00	240,00	252,00	336,00	312,00	360,00	264,00	1284,00	418,67	518,222	0,356
06:10-06:20	336,00	372,00	252,00	240,00	348,00	384,00	396,00	276,00	1176,00	420,00		0,357
06:20-06:30	648,00	360,00	240,00	264,00	336,00	1248,00	372,00	276,00	240,00	442,67		0,376
06:30-06:40	1344,00	348,00	252,00	336,00	324,00	1404,00	696,00	288,00	252,00	582,67		0,496
06:40-06:50	792,00	360,00	264,00	384,00	1092,00	804,00	1344,00	300,00	252,00	621,33		0,528
06:50-07:00	216,00	348,00	252,00	1380,00	1368,00	720,00	792,00	288,00	252,00	624,00		0,531
07:00-07:10	216,00	360,00	288,00	1236,00	528,00	708,00	252,00	1008,00	240,00	537,33	654,444	0,457
07:10-07:20	216,00	288,00	312,00	336,00	336,00	636,00	300,00	1260,00	252,00	437,33		0,372
07:20-07:30	216,00	456,00	960,00	336,00	696,00	384,00	300,00	456,00	252,00	450,67		0,383
07:30-07:40	216,00	1320,00	1440,00	732,00	852,00	1404,00	300,00	324,00	252,00	760,00		0,646
07:40-07:50	228,00	924,00	1044,00	876,00	960,00	1464,00	1380,00	336,00	252,00	829,33		0,705
07:50-08:00	228,00	228,00	648,00	1632,00	1872,00	1488,00	1500,00	360,00	252,00	912,00		0,776

08:00-08:10	228,00	228,00	660,00	1860,00	1524,00	1464,00	1572,00	360,00	252,00	905,33	1165,778	0,770
08:10-08:20	216,00	240,00	672,00	1584,00	1500,00	1536,00	1632,00	492,00	264,00	904,00		0,769
08:20-08:30	1212,00	228,00	1908,00	1572,00	1560,00	1584,00	1656,00	864,00	840,00	1269,33		1,079
08:30-08:40	1788,00	240,00	1956,00	1620,00	1632,00	1416,00	1020,00	1548,00	1392,00	1401,33		1,192
08:40-08:50	1824,00	252,00	1968,00	1644,00	1680,00	1032,00	936,00	1572,00	672,00	1286,67		1,094
08:50-09:00	1884,00	240,00	1896,00	1140,00	984,00	1188,00	1776,00	1560,00	384,00	1228,00		1,044
09:00-09:10	1644,00	396,00	1680,00	960,00	972,00	1788,00	1752,00	1608,00	396,00	1244,00	1468,222	1,058
09:10-09:20	696,00	1416,00	1440,00	1464,00	1800,00	1788,00	1608,00	1404,00	864,00	1386,67		1,179
09:20-09:30	852,00	1428,00	972,00	1776,00	1788,00	1692,00	1632,00	1176,00	1500,00	1424,00		1,211
09:30-09:40	1644,00	1464,00	1320,00	1668,00	1716,00	1680,00	1632,00	1812,00	1536,00	1608,00		1,367
09:40-09:50	1608,00	1512,00	1812,00	1572,00	1656,00	1668,00	1632,00	2064,00	1548,00	1674,67		1,424
09:50-10:00	1584,00	852,00	1656,00	1560,00	1644,00	1644,00	1104,00	1668,00	1536,00	1472,00		1,252
10:00-10:10	1644,00	996,00	1584,00	828,00	1332,00	816,00	696,00	1704,00	876,00	1164,00	1206,667	0,990
10:10-10:20	1512,00	1824,00	1632,00	588,00	648,00	648,00	1044,00	1728,00	696,00	1146,67		0,975
10:20-10:30	936,00	1968,00	1428,00	564,00	612,00	660,00	1248,00	1740,00	1572,00	1192,00		1,014
10:30-10:40	804,00	1992,00	744,00	576,00	564,00	792,00	1992,00	996,00	1716,00	1130,67		0,962
10:40-10:50	816,00	1704,00	684,00	996,00	852,00	1572,00	1944,00	864,00	1956,00	1265,33		1,076
10:50-11:00	1212,00	1728,00	660,00	1536,00	1596,00	1656,00	816,00	864,00	2004,00	1341,33		1,141
11:00-11:10	1644,00	1764,00	1332,00	1320,00	1368,00	1128,00	708,00	1488,00	2040,00	1421,33	1266,889	1,209
11:10-11:20	1548,00	1236,00	1620,00	708,00	720,00	1032,00	744,00	1704,00	1464,00	1197,33		1,018
11:20-11:30	924,00	1104,00	1224,00	660,00	648,00	1116,00	804,00	1428,00	1056,00	996,00		0,847
11:30-11:40	792,00	1008,00	780,00	1164,00	648,00	1584,00	1608,00	936,00	948,00	1052,00		0,895
11:40-11:50	1380,00	1728,00	708,00	1584,00	1116,00	1980,00	1644,00	792,00	1596,00	1392,00		1,184
11:50-12:00	1644,00	1656,00	744,00	1632,00	1572,00	1704,00	1680,00	1536,00	1716,00	1542,67		1,312
12:00-12:10	1704,00	1392,00	1596,00	1644,00	1704,00	1644,00	1680,00	1680,00	1488,00	1614,67	1723,556	1,373
12:10-12:20	1908,00	900,00	1620,00	1884,00	2088,00	1656,00	1668,00	1776,00	912,00	1601,33		1,362
12:20-12:30	2172,00	864,00	1656,00	2040,00	2160,00	1668,00	1752,00	1812,00	768,00	1654,67		1,407
12:30-12:40	2184,00	1740,00	1740,00	2004,00	2076,00	1704,00	1788,00	1788,00	1548,00	1841,33		1,566
12:40-12:50	2184,00	1764,00	1752,00	2076,00	1920,00	1728,00	1380,00	1920,00	1680,00	1822,67		1,550
12:50-13:00	2172,00	1872,00	1824,00	1848,00	1800,00	1692,00	1056,00	2208,00	1788,00	1806,67		1,536
13:00-13:10	1992,00	1920,00	2136,00	1764,00	1740,00	1776,00	1692,00	2220,00	1848,00	1898,67	1809,111	1,615
13:10-13:20	2016,00	1932,00	2148,00	1812,00	1044,00	1812,00	1908,00	2256,00	1812,00	1860,00		1,582
13:20-13:30	2040,00	1944,00	2148,00	1236,00	1224,00	1812,00	1812,00	2244,00	1860,00	1813,33		1,542
13:30-13:40	2040,00	2220,00	2016,00	1200,00	1872,00	1812,00	1752,00	1956,00	1848,00	1857,33		1,580
13:40-13:50	1980,00	2244,00	1716,00	1224,00	1728,00	1752,00	1752,00	1932,00	1836,00	1796,00		1,527
13:50-14:00	2028,00	2244,00	1212,00	1284,00	1416,00	1272,00	1392,00	1956,00	1860,00	1629,33		1,386
14:00-14:10	2016,00	2244,00	1116,00	1704,00	744,00	1140,00	744,00	1956,00	1836,00	1500,00	1509,333	1,276
14:10-14:20	1992,00	1944,00	1572,00	1464,00	672,00	1872,00	696,00	1968,00	1836,00	1557,33		1,324
14:20-14:30	1932,00	1932,00	1764,00	816,00	636,00	1920,00	756,00	1956,00	2004,00	1524,00		1,296
14:30-14:40	1788,00	1968,00	1464,00	744,00	1068,00	1764,00	1692,00	1944,00	2148,00	1620,00		1,378
14:40-14:50	1188,00	1968,00	936,00	732,00	1560,00	1020,00	2052,00	1692,00	2136,00	1476,00		1,255
14:50-15:00	1188,00	1968,00	816,00	1260,00	1584,00	876,00	2040,00	1080,00	1596,00	1378,67		1,172
15:00-15:10	1392,00	1932,00	804,00	1668,00	1308,00	840,00	2064,00	1092,00	1296,00	1377,33	1413,778	1,171
15:10-15:20	1932,00	1308,00	1236,00	1668,00	696,00	852,00	1524,00	1320,00	1008,00	1282,67		1,091
15:20-15:30	1764,00	1092,00	1656,00	1668,00	972,00	1224,00	888,00	1716,00	1440,00	1380,00		1,174
15:30-15:40	1764,00	972,00	1692,00	1716,00	1596,00	1680,00	1512,00	1704,00	1776,00	1601,33		1,362
15:40-15:50	1080,00	1260,00	1608,00	1716,00	1608,00	1680,00	1728,00	1200,00	1464,00	1482,67		1,261
15:50-16:00	1224,00	1668,00	1596,00	1164,00	1584,00	1632,00	1704,00	816,00	840,00	1358,67		1,155
16:00-16:10	2040,00	1308,00	1596,00	780,00	1620,00	1968,00	1680,00	1332,00	696,00	1446,67	1473,778	1,230
16:10-16:20	2016,00	744,00	1020,00	1344,00	1632,00	2040,00	1716,00	1668,00	708,00	1432,00		1,218
16:20-16:30	2064,00	684,00	768,00	1608,00	1644,00	1992,00	1704,00	1680,00	1236,00	1486,67		1,264
16:30-16:40	1812,00	636,00	1488,00	1596,00	972,00	1992,00	1692,00	1692,00	1536,00	1490,67		1,268
16:40-16:50	1752,00	1152,00	1644,00	1584,00	852,00	1656,00	1320,00	1692,00	1548,00	1466,67		1,247
16:50-17:00	1740,00	1560,00	1644,00	1596,00	1716,00	1104,00	864,00	1920,00	1536,00	1520,00		1,293

17:00-17:10	1704,00	1512,00	1656,00	1560,00	1692,00	756,00	1344,00	2016,00	1536,00	1530,67	1528,000	1,302
17:10-17:20	1740,00	1560,00	1608,00	1608,00	1848,00	1344,00	1704,00	2076,00	1524,00	1668,00		1,418
17:20-17:30	1740,00	1536,00	1644,00	1284,00	2040,00	1620,00	1704,00	2076,00	1524,00	1685,33		1,433
17:30-17:40	1740,00	1560,00	1572,00	852,00	2016,00	1632,00	1704,00	1884,00	720,00	1520,00		1,293
17:40-17:50	1752,00	768,00	792,00	1272,00	1944,00	1644,00	1704,00	1776,00	744,00	1377,33		1,171
17:50-18:00	1704,00	684,00	876,00	1656,00	936,00	1632,00	1704,00	1728,00	1560,00	1386,67		1,179
18:00-18:10	1728,00	1536,00	1872,00	2004,00	720,00	1656,00	1116,00	1740,00	1548,00	1546,67	1339,111	1,315
18:10-18:20	1716,00	1524,00	1956,00	1512,00	708,00	1680,00	828,00	1704,00	1572,00	1466,67		1,247
18:20-18:30	1728,00	1728,00	1404,00	1140,00	684,00	948,00	768,00	1740,00	1560,00	1300,00		1,106
18:30-18:40	1728,00	1896,00	1092,00	1044,00	936,00	924,00	744,00	1752,00	1548,00	1296,00		1,102
18:40-18:50	1728,00	1872,00	864,00	648,00	1536,00	864,00	1068,00	1116,00	1548,00	1249,33		1,062
18:50-19:00	1704,00	1920,00	684,00	624,00	1260,00	972,00	1584,00	960,00	876,00	1176,00		1,000
19:00-19:10	1752,00	1548,00	684,00	780,00	624,00	1656,00	1224,00	1764,00	864,00	1210,67	1297,778	1,030
19:10-19:20	1128,00	828,00	1008,00	1560,00	564,00	1572,00	720,00	1692,00	852,00	1102,67		0,938
19:20-19:30	1020,00	756,00	1584,00	1548,00	1620,00	828,00	1068,00	1608,00	756,00	1198,67		1,019
19:30-19:40	960,00	780,00	1632,00	1548,00	1632,00	864,00	1848,00	1620,00	984,00	1318,67		1,121
19:40-19:50	1332,00	864,00	1752,00	1560,00	1668,00	972,00	1920,00	1104,00	1536,00	1412,00		1,201
19:50-20:00	1860,00	1692,00	1572,00	1548,00	1668,00	1560,00	1932,00	756,00	1308,00	1544,00		1,313
20:00-20:10	1704,00	1656,00	1596,00	1584,00	1704,00	1548,00	1644,00	672,00	1092,00	1466,67	1456,444	1,247
20:10-20:20	1152,00	816,00	1512,00	1632,00	1740,00	1608,00	1632,00	876,00	1116,00	1342,67		1,142
20:20-20:30	1104,00	732,00	900,00	960,00	1752,00	1644,00	1632,00	1620,00	1752,00	1344,00		1,143
20:30-20:40	1248,00	972,00	972,00	900,00	1524,00	1632,00	1608,00	1632,00	1932,00	1380,00		1,174
20:40-20:50	1632,00	1584,00	1608,00	1548,00	1128,00	1884,00	1668,00	1644,00	1656,00	1594,67		1,356
20:50-21:00	1632,00	1596,00	1596,00	1608,00	1356,00	2028,00	1704,00	1296,00	1680,00	1610,67		1,370
21:00-21:10	1632,00	1596,00	1620,00	1680,00	1752,00	2016,00	1728,00	1212,00	1656,00	1654,67	1629,556	1,407
21:10-21:20	1644,00	1608,00	1596,00	1728,00	1740,00	1992,00	1524,00	1680,00	1608,00	1680,00		1,429
21:20-21:30	1656,00	1620,00	1656,00	1740,00	1776,00	1872,00	1188,00	2040,00	1632,00	1686,67		1,434
21:30-21:40	1656,00	1572,00	1692,00	1764,00	2028,00	1728,00	1452,00	1992,00	1320,00	1689,33		1,437
21:40-21:50	1680,00	1020,00	1728,00	1740,00	2136,00	1176,00	1860,00	1632,00	840,00	1534,67		1,305
21:50-22:00	1356,00	720,00	1752,00	1776,00	2148,00	1236,00	1860,00	1668,00	1272,00	1532,00		1,303
22:00-22:10	996,00	1512,00	1776,00	1788,00	2148,00	1860,00	1752,00	1668,00	1644,00	1682,67	1652,889	1,431
22:10-22:20	1536,00	1548,00	1968,00	2028,00	1848,00	1776,00	1668,00	1668,00	1668,00	1745,33		1,484
22:20-22:30	1824,00	1584,00	2064,00	2148,00	1776,00	1716,00	1668,00	1656,00	1656,00	1788,00		1,521
22:30-22:40	1644,00	1572,00	2124,00	2100,00	1800,00	1620,00	1668,00	1656,00	1632,00	1757,33		1,494
22:40-22:50	1572,00	1596,00	1800,00	2136,00	1776,00	1440,00	1680,00	1608,00	1620,00	1692,00		1,439
22:50-23:00	1560,00	1608,00	1140,00	1044,00	1728,00	744,00	948,00	1128,00	1368,00	1252,00		1,065
23:00-23:10	1560,00	1596,00	996,00	852,00	1776,00	588,00	696,00	816,00	732,00	1068,00	1008,919	0,908
23:10-23:20	1296,00	888,00	996,00	696,00	960,00	576,00	672,00	1428,00	708,00	913,33		0,777
23:20-23:30	648,00	828,00	768,00	576,00	852,00	576,00	672,00	1692,00	684,00	810,67		0,689
23:30-23:40	588,00	1116,00	1428,00	996,00	600,00	1308,00	1452,00	1356,00	684,00	1058,67		0,900
23:40-23:50	588,00	1092,00	1632,00	1548,00	492,00	1548,00	1596,00	732,00	1188,00	1157,33		0,984
23:50-00:00	612,00	1416,00	1067,19	1227,59	928,51	965,65	944,80	657,61	1590,29	1045,51		0,889

Caudal Médio Diário = 1175,895 m3/h

Consumo Diário *Rasa*
Caudal (m3/h)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
00:00-00:10
00:40-00:50
01:20-01:30
02:00-02:10
02:40-02:50
03:20-03:30
04:00-04:10
04:40-04:50
05:20-05:30
06:00-06:10
06:40-06:50
07:20-07:30
08:00-08:10
08:40-08:50
09:20-09:30
10:00-10:10
10:40-10:50
11:20-11:30
12:00-12:10
12:40-12:50
13:20-13:30
14:00-14:10
14:40-14:50
15:20-15:30
16:00-16:10
16:40-16:50
17:20-17:30
18:00-18:10
18:40-18:50
19:20-19:30
20:00-20:10
20:40-20:50
21:20-21:30
22:00-22:10
22:40-22:50
23:20-23:30
Hora

Consumo Médio Horário *Rasa*
Caudal (m3/h)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CONSUMOS – CENTRO DE ESTÁGIOS F.C. PORTO

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	912345,500				
09-02-2008	00:07:45	912346,750	1,250	0,003	2,688	9,677
09-02-2008	00:17:45	912347,125	0,375	0,001	0,625	2,250
09-02-2008	00:27:45	912348,125	1,000	0,002	1,667	6,000
09-02-2008	00:37:45	912348,875	0,750	0,001	1,250	4,500
09-02-2008	00:47:45	912349,438	0,563	0,001	0,938	3,375
09-02-2008	00:57:46	912349,938	0,500	0,001	0,833	3,000
09-02-2008	01:07:46	912351,125	1,188	0,002	1,979	7,125
09-02-2008	01:17:46	912352,000	0,875	0,001	1,458	5,250
09-02-2008	01:27:46	912353,250	1,250	0,002	2,083	7,500
09-02-2008	01:37:46	912353,813	0,563	0,001	0,938	3,375
09-02-2008	01:47:46	912355,063	1,250	0,002	2,083	7,500
09-02-2008	01:57:46	912356,625	1,563	0,003	2,604	9,375
09-02-2008	02:07:46	912357,250	0,625	0,001	1,042	3,750
09-02-2008	02:17:46	912358,375	1,125	0,002	1,875	6,750
09-02-2008	02:27:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	02:37:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	02:47:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	02:57:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	03:07:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	03:17:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	03:27:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	03:37:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	03:47:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	03:57:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	04:07:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	04:17:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	04:27:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	04:37:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	04:47:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	04:57:46	912358,375	0,000	0,000	0,000	0,000
09-02-2008	05:07:46	912358,438	0,063	0,000	0,104	0,375
09-02-2008	05:17:46	912359,438	1,000	0,002	1,667	6,000
09-02-2008	05:27:47	912359,688	0,250	0,000	0,417	1,500
09-02-2008	05:37:47	912359,688	0,000	0,000	0,000	0,000
09-02-2008	05:47:47	912359,688	0,000	0,000	0,000	0,000
09-02-2008	05:57:47	912359,688	0,000	0,000	0,000	0,000
09-02-2008	06:07:47	912359,688	0,000	0,000	0,000	0,000
09-02-2008	06:17:47	912359,688	0,000	0,000	0,000	0,000
09-02-2008	06:27:47	912359,688	0,000	0,000	0,000	0,000
09-02-2008	06:37:47	912359,750	0,063	0,000	0,104	0,375
09-02-2008	06:47:47	912359,750	0,000	0,000	0,000	0,000
09-02-2008	06:57:47	912360,500	0,750	0,001	1,250	4,500
09-02-2008	07:07:47	912361,188	0,688	0,001	1,146	4,125
09-02-2008	07:17:47	912361,438	0,250	0,000	0,417	1,500
09-02-2008	07:27:47	912362,563	1,125	0,002	1,875	6,750
09-02-2008	07:37:47	912364,313	1,750	0,003	2,917	10,500
09-02-2008	07:47:47	912366,125	1,813	0,003	3,021	10,875
09-02-2008	07:57:47	912368,125	2,000	0,003	3,333	12,000
09-02-2008	08:07:47	912370,125	2,000	0,003	3,333	12,000
09-02-2008	08:17:47	912372,375	2,250	0,004	3,750	13,500

09-02-2008	08:27:47	912374,875	2,500	0,004	4,167	15,000
09-02-2008	08:37:47	912377,188	2,313	0,004	3,854	13,875
09-02-2008	08:47:47	912380,000	2,813	0,005	4,688	16,875
09-02-2008	08:57:47	912383,438	3,438	0,006	5,729	20,625
09-02-2008	09:07:47	912386,688	3,250	0,005	5,417	19,500
09-02-2008	09:17:47	912389,688	3,000	0,005	5,000	18,000
09-02-2008	09:27:47	912393,125	3,438	0,006	5,729	20,625
09-02-2008	09:37:47	912397,500	4,375	0,007	7,292	26,250
09-02-2008	09:47:47	912401,313	3,813	0,006	6,354	22,875
09-02-2008	09:57:47	912404,563	3,250	0,005	5,417	19,500
09-02-2008	10:07:47	912408,500	3,938	0,007	6,563	23,625
09-02-2008	10:17:47	912412,375	3,875	0,006	6,458	23,250
09-02-2008	10:27:47	912416,875	4,500	0,008	7,500	27,000
09-02-2008	10:37:47	912421,938	5,063	0,008	8,438	30,375
09-02-2008	10:47:47	912426,938	5,000	0,008	8,333	30,000
09-02-2008	10:57:47	912431,875	4,938	0,008	8,229	29,625
09-02-2008	11:07:47	912436,563	4,688	0,008	7,813	28,125
09-02-2008	11:17:47	912441,813	5,250	0,009	8,750	31,500
09-02-2008	11:27:47	912446,750	4,938	0,008	8,229	29,625
09-02-2008	11:37:47	912455,875	9,125	0,015	15,208	54,750
09-02-2008	11:47:47	912465,063	9,188	0,015	15,313	55,125
09-02-2008	11:57:47	912474,125	9,063	0,015	15,104	54,375
09-02-2008	12:07:47	912484,000	9,875	0,016	16,458	59,250
09-02-2008	12:17:47	912488,500	4,500	0,008	7,500	27,000
09-02-2008	12:27:47	912492,500	4,000	0,007	6,667	24,000
09-02-2008	12:37:47	912495,938	3,438	0,006	5,729	20,625
09-02-2008	12:47:47	912499,813	3,875	0,006	6,458	23,250
09-02-2008	12:57:48	912503,188	3,375	0,006	5,625	20,250
09-02-2008	13:07:48	912506,750	3,563	0,006	5,938	21,375
09-02-2008	13:17:48	912510,500	3,750	0,006	6,250	22,500
09-02-2008	13:27:48	912513,875	3,375	0,006	5,625	20,250
09-02-2008	13:37:48	912517,125	3,250	0,005	5,417	19,500
09-02-2008	13:47:48	912520,500	3,375	0,006	5,625	20,250
09-02-2008	13:57:48	912524,500	4,000	0,007	6,667	24,000
09-02-2008	14:07:48	912528,375	3,875	0,006	6,458	23,250
09-02-2008	14:17:48	912532,563	4,188	0,007	6,979	25,125
09-02-2008	14:27:48	912538,000	5,438	0,009	9,063	32,625
09-02-2008	14:37:48	912542,313	4,313	0,007	7,188	25,875
09-02-2008	14:47:48	912546,813	4,500	0,008	7,500	27,000
09-02-2008	14:57:48	912551,313	4,500	0,008	7,500	27,000
09-02-2008	15:07:48	912556,250	4,938	0,008	8,229	29,625
09-02-2008	15:17:48	912560,188	3,938	0,007	6,563	23,625
09-02-2008	15:27:48	912564,375	4,188	0,007	6,979	25,125
09-02-2008	15:37:48	912568,063	3,688	0,006	6,146	22,125
09-02-2008	15:47:48	912572,750	4,688	0,008	7,813	28,125
09-02-2008	15:57:48	912577,750	5,000	0,008	8,333	30,000
09-02-2008	16:07:48	912582,188	4,438	0,007	7,396	26,625
09-02-2008	16:17:48	912587,188	5,000	0,008	8,333	30,000
09-02-2008	16:27:48	912592,188	5,000	0,008	8,333	30,000
09-02-2008	16:37:48	912596,813	4,625	0,008	7,708	27,750
09-02-2008	16:47:48	912601,750	4,938	0,008	8,229	29,625
09-02-2008	16:57:48	912606,250	4,500	0,008	7,500	27,000
09-02-2008	17:07:48	912610,875	4,625	0,008	7,708	27,750
09-02-2008	17:17:48	912619,688	8,813	0,015	14,688	52,875
09-02-2008	17:27:48	912628,500	8,813	0,015	14,688	52,875

09-02-2008	17:37:48	912636,875	8,375	0,014	13,958	50,250
09-02-2008	17:47:48	912645,063	8,188	0,014	13,646	49,125
09-02-2008	17:57:48	912653,563	8,500	0,014	14,167	51,000
09-02-2008	18:07:48	912657,938	4,375	0,007	7,292	26,250
09-02-2008	18:17:48	912664,688	6,750	0,011	11,250	40,500
09-02-2008	18:27:48	912672,438	7,750	0,013	12,917	46,500
09-02-2008	18:37:48	912680,000	7,563	0,013	12,604	45,375
09-02-2008	18:47:48	912684,000	4,000	0,007	6,667	24,000
09-02-2008	18:57:48	912687,688	3,688	0,006	6,146	22,125
09-02-2008	19:07:48	912691,313	3,625	0,006	6,042	21,750
09-02-2008	19:17:48	912697,938	6,625	0,011	11,042	39,750
09-02-2008	19:27:48	912705,875	7,938	0,013	13,229	47,625
09-02-2008	19:37:49	912713,938	8,063	0,013	13,438	48,375
09-02-2008	19:47:49	912722,188	8,250	0,014	13,750	49,500
09-02-2008	19:57:49	912725,875	3,688	0,006	6,146	22,125
09-02-2008	20:07:49	912729,375	3,500	0,006	5,833	21,000
09-02-2008	20:17:49	912734,938	5,563	0,009	9,271	33,375
09-02-2008	20:27:49	912742,750	7,813	0,013	13,021	46,875
09-02-2008	20:37:49	912750,000	7,250	0,012	12,083	43,500
09-02-2008	20:47:49	912757,500	7,500	0,013	12,500	45,000
09-02-2008	20:57:49	912763,313	5,813	0,010	9,688	34,875
09-02-2008	21:07:49	912766,000	2,688	0,004	4,479	16,125
09-02-2008	21:17:49	912768,563	2,563	0,004	4,271	15,375
09-02-2008	21:27:49	912771,313	2,750	0,005	4,583	16,500
09-02-2008	21:37:49	912773,813	2,500	0,004	4,167	15,000
09-02-2008	21:47:49	912775,938	2,125	0,004	3,542	12,750
09-02-2008	21:57:49	912778,500	2,563	0,004	4,271	15,375
09-02-2008	22:07:49	912780,938	2,438	0,004	4,063	14,625
09-02-2008	22:17:49	912783,000	2,063	0,003	3,438	12,375
09-02-2008	22:27:49	912785,250	2,250	0,004	3,750	13,500
09-02-2008	22:37:49	912787,688	2,438	0,004	4,063	14,625
09-02-2008	22:47:49	912789,688	2,000	0,003	3,333	12,000
09-02-2008	22:57:49	912791,625	1,938	0,003	3,229	11,625
09-02-2008	23:07:49	912793,500	1,875	0,003	3,125	11,250
09-02-2008	23:17:49	912795,500	2,000	0,003	3,333	12,000
09-02-2008	23:27:49	912797,625	2,125	0,004	3,542	12,750
09-02-2008	23:37:49	912799,188	1,563	0,003	2,604	9,375
09-02-2008	23:47:49	912801,188	2,000	0,003	3,333	12,000
09-02-2008	23:57:49	912803,250	2,063	0,003	3,438	12,375
10-02-2008	00:00:25	912804,000	0,750	0,005	4,839	17,419

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:25	912804,000				
10-02-2008	00:07:49	912805,438	1,438	0,003	3,194	11,500
10-02-2008	00:17:49	912807,188	1,750	0,003	2,917	10,500
10-02-2008	00:27:49	912809,063	1,875	0,003	3,125	11,250
10-02-2008	00:37:49	912810,813	1,750	0,003	2,917	10,500
10-02-2008	00:47:49	912811,250	0,438	0,001	0,729	2,625
10-02-2008	00:57:49	912812,938	1,688	0,003	2,813	10,125
10-02-2008	01:07:50	912813,438	0,500	0,001	0,833	3,000
10-02-2008	01:17:50	912814,500	1,063	0,002	1,771	6,375
10-02-2008	01:27:50	912816,188	1,688	0,003	2,813	10,125
10-02-2008	01:37:50	912817,188	1,000	0,002	1,667	6,000
10-02-2008	01:47:50	912818,563	1,375	0,002	2,292	8,250
10-02-2008	01:57:50	912820,625	2,063	0,003	3,438	12,375
10-02-2008	02:07:50	912821,625	1,000	0,002	1,667	6,000
10-02-2008	02:17:50	912822,875	1,250	0,002	2,083	7,500
10-02-2008	02:27:50	912823,313	0,438	0,001	0,729	2,625
10-02-2008	02:37:50	912823,500	0,188	0,000	0,313	1,125
10-02-2008	02:47:50	912823,500	0,000	0,000	0,000	0,000
10-02-2008	02:57:50	912823,500	0,000	0,000	0,000	0,000
10-02-2008	03:07:50	912823,500	0,000	0,000	0,000	0,000
10-02-2008	03:17:50	912823,500	0,000	0,000	0,000	0,000
10-02-2008	03:27:51	912823,563	0,063	0,000	0,104	0,375
10-02-2008	03:37:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	03:47:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	03:57:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	04:07:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	04:17:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	04:27:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	04:37:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	04:47:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	04:57:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	05:07:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	05:17:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	05:27:51	912823,563	0,000	0,000	0,000	0,000
10-02-2008	05:37:52	912823,563	0,000	0,000	0,000	0,000
10-02-2008	05:47:52	912823,563	0,000	0,000	0,000	0,000
10-02-2008	05:57:52	912823,563	0,000	0,000	0,000	0,000
10-02-2008	06:07:52	912823,563	0,000	0,000	0,000	0,000
10-02-2008	06:17:52	912823,563	0,000	0,000	0,000	0,000
10-02-2008	06:27:52	912823,563	0,000	0,000	0,000	0,000
10-02-2008	06:37:52	912823,563	0,000	0,000	0,000	0,000
10-02-2008	06:47:52	912823,563	0,000	0,000	0,000	0,000
10-02-2008	06:57:52	912823,563	0,000	0,000	0,000	0,000
10-02-2008	07:07:52	912823,563	0,000	0,000	0,000	0,000
10-02-2008	07:17:52	912823,688	0,125	0,000	0,208	0,750
10-02-2008	07:27:52	912824,250	0,563	0,001	0,938	3,375
10-02-2008	07:37:52	912824,813	0,563	0,001	0,938	3,375
10-02-2008	07:47:52	912826,750	1,938	0,003	3,229	11,625
10-02-2008	07:57:52	912828,875	2,125	0,004	3,542	12,750

10-02-2008	08:07:52	912831,000	2,125	0,004	3,542	12,750
10-02-2008	08:17:52	912833,188	2,188	0,004	3,646	13,125
10-02-2008	08:27:52	912835,375	2,188	0,004	3,646	13,125
10-02-2008	08:37:52	912837,750	2,375	0,004	3,958	14,250
10-02-2008	08:47:52	912840,250	2,500	0,004	4,167	15,000
10-02-2008	08:57:52	912842,813	2,563	0,004	4,271	15,375
10-02-2008	09:07:52	912845,375	2,563	0,004	4,271	15,375
10-02-2008	09:17:52	912848,250	2,875	0,005	4,792	17,250
10-02-2008	09:27:52	912851,125	2,875	0,005	4,792	17,250
10-02-2008	09:37:52	912853,688	2,563	0,004	4,271	15,375
10-02-2008	09:47:52	912856,688	3,000	0,005	5,000	18,000
10-02-2008	09:57:52	912859,750	3,063	0,005	5,104	18,375
10-02-2008	10:07:52	912863,313	3,563	0,006	5,938	21,375
10-02-2008	10:17:52	912867,750	4,438	0,007	7,396	26,625
10-02-2008	10:27:52	912872,250	4,500	0,008	7,500	27,000
10-02-2008	10:37:52	912876,438	4,188	0,007	6,979	25,125
10-02-2008	10:47:52	912882,063	5,625	0,009	9,375	33,750
10-02-2008	10:57:52	912890,375	8,313	0,014	13,854	49,875
10-02-2008	11:07:52	912898,188	7,813	0,013	13,021	46,875
10-02-2008	11:17:52	912906,313	8,125	0,014	13,542	48,750
10-02-2008	11:27:52	912914,750	8,438	0,014	14,063	50,625
10-02-2008	11:37:52	912922,688	7,938	0,013	13,229	47,625
10-02-2008	11:47:52	912931,313	8,625	0,014	14,375	51,750
10-02-2008	11:57:53	912940,000	8,688	0,014	14,479	52,125
10-02-2008	12:07:53	912948,375	8,375	0,014	13,958	50,250
10-02-2008	12:17:53	912956,938	8,563	0,014	14,271	51,375
10-02-2008	12:27:53	912965,500	8,563	0,014	14,271	51,375
10-02-2008	12:37:53	912969,500	4,000	0,007	6,667	24,000
10-02-2008	12:47:53	912973,313	3,813	0,006	6,354	22,875
10-02-2008	12:57:53	912979,063	5,750	0,010	9,583	34,500
10-02-2008	13:07:53	912986,813	7,750	0,013	12,917	46,500
10-02-2008	13:17:53	912994,688	7,875	0,013	13,125	47,250
10-02-2008	13:27:53	913002,250	7,563	0,013	12,604	45,375
10-02-2008	13:37:53	913008,063	5,813	0,010	9,688	34,875
10-02-2008	13:47:53	913011,000	2,938	0,005	4,896	17,625
10-02-2008	13:57:53	913014,125	3,125	0,005	5,208	18,750
10-02-2008	14:07:53	913017,250	3,125	0,005	5,208	18,750
10-02-2008	14:17:53	913020,625	3,375	0,006	5,625	20,250
10-02-2008	14:27:53	913023,938	3,313	0,006	5,521	19,875
10-02-2008	14:37:53	913027,063	3,125	0,005	5,208	18,750
10-02-2008	14:47:53	913030,125	3,063	0,005	5,104	18,375
10-02-2008	14:57:53	913033,313	3,188	0,005	5,313	19,125
10-02-2008	15:07:53	913036,063	2,750	0,005	4,583	16,500
10-02-2008	15:17:53	913038,625	2,563	0,004	4,271	15,375
10-02-2008	15:27:53	913041,063	2,438	0,004	4,063	14,625
10-02-2008	15:37:53	913043,125	2,063	0,003	3,438	12,375
10-02-2008	15:47:53	913045,313	2,188	0,004	3,646	13,125
10-02-2008	15:57:53	913047,313	2,000	0,003	3,333	12,000
10-02-2008	16:07:53	913049,250	1,938	0,003	3,229	11,625
10-02-2008	16:17:53	913051,500	2,250	0,004	3,750	13,500
10-02-2008	16:27:53	913053,688	2,188	0,004	3,646	13,125
10-02-2008	16:37:53	913055,875	2,188	0,004	3,646	13,125
10-02-2008	16:47:53	913058,000	2,125	0,004	3,542	12,750
10-02-2008	16:57:53	913059,875	1,875	0,003	3,125	11,250
10-02-2008	17:07:53	913061,938	2,063	0,003	3,438	12,375

10-02-2008	17:17:53	913064,000	2,063	0,003	3,438	12,375
10-02-2008	17:27:53	913066,000	2,000	0,003	3,333	12,000
10-02-2008	17:37:53	913068,250	2,250	0,004	3,750	13,500
10-02-2008	17:47:54	913070,313	2,063	0,003	3,438	12,375
10-02-2008	17:57:54	913072,438	2,125	0,004	3,542	12,750
10-02-2008	18:07:54	913074,938	2,500	0,004	4,167	15,000
10-02-2008	18:17:54	913077,000	2,063	0,003	3,438	12,375
10-02-2008	18:27:54	913079,125	2,125	0,004	3,542	12,750
10-02-2008	18:37:54	913081,063	1,938	0,003	3,229	11,625
10-02-2008	18:47:54	913083,375	2,313	0,004	3,854	13,875
10-02-2008	18:57:54	913085,813	2,438	0,004	4,063	14,625
10-02-2008	19:07:54	913088,188	2,375	0,004	3,958	14,250
10-02-2008	19:17:54	913090,313	2,125	0,004	3,542	12,750
10-02-2008	19:27:54	913092,375	2,063	0,003	3,438	12,375
10-02-2008	19:37:54	913094,688	2,313	0,004	3,854	13,875
10-02-2008	19:47:54	913096,938	2,250	0,004	3,750	13,500
10-02-2008	19:57:54	913099,188	2,250	0,004	3,750	13,500
10-02-2008	20:07:54	913101,688	2,500	0,004	4,167	15,000
10-02-2008	20:17:54	913104,438	2,750	0,005	4,583	16,500
10-02-2008	20:27:54	913107,500	3,063	0,005	5,104	18,375
10-02-2008	20:37:54	913110,125	2,625	0,004	4,375	15,750
10-02-2008	20:47:54	913113,188	3,063	0,005	5,104	18,375
10-02-2008	20:57:54	913116,188	3,000	0,005	5,000	18,000
10-02-2008	21:07:54	913119,250	3,063	0,005	5,104	18,375
10-02-2008	21:17:54	913122,313	3,063	0,005	5,104	18,375
10-02-2008	21:27:54	913124,938	2,625	0,004	4,375	15,750
10-02-2008	21:37:54	913127,750	2,813	0,005	4,688	16,875
10-02-2008	21:47:54	913130,625	2,875	0,005	4,792	17,250
10-02-2008	21:57:54	913132,938	2,313	0,004	3,854	13,875
10-02-2008	22:07:54	913135,500	2,563	0,004	4,271	15,375
10-02-2008	22:17:54	913138,188	2,688	0,004	4,479	16,125
10-02-2008	22:27:54	913140,750	2,563	0,004	4,271	15,375
10-02-2008	22:37:54	913143,438	2,688	0,004	4,479	16,125
10-02-2008	22:47:54	913146,125	2,688	0,004	4,479	16,125
10-02-2008	22:57:55	913148,688	2,563	0,004	4,271	15,375
10-02-2008	23:07:55	913151,125	2,438	0,004	4,063	14,625
10-02-2008	23:17:55	913153,500	2,375	0,004	3,958	14,250
10-02-2008	23:27:55	913155,438	1,938	0,003	3,229	11,625
10-02-2008	23:37:55	913157,500	2,063	0,003	3,438	12,375
10-02-2008	23:47:55	913159,438	1,938	0,003	3,229	11,625
10-02-2008	23:57:55	913161,563	2,125	0,004	3,542	12,750
11-02-2008	00:00:13	913162,000	0,438	0,003	2,917	10,500

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	913162,000				
11-02-2008	00:07:55	913163,375	1,375	0,003	3,056	11,000
11-02-2008	00:17:55	913164,000	0,625	0,001	1,042	3,750
11-02-2008	00:27:55	913164,188	0,188	0,000	0,313	1,125
11-02-2008	00:37:55	913164,375	0,188	0,000	0,313	1,125
11-02-2008	00:47:55	913164,625	0,250	0,000	0,417	1,500
11-02-2008	00:57:55	913165,250	0,625	0,001	1,042	3,750
11-02-2008	01:07:55	913165,250	0,000	0,000	0,000	0,000
11-02-2008	01:17:55	913165,250	0,000	0,000	0,000	0,000
11-02-2008	01:27:55	913166,625	1,375	0,002	2,292	8,250
11-02-2008	01:37:55	913167,188	0,563	0,001	0,938	3,375
11-02-2008	01:47:55	913168,313	1,125	0,002	1,875	6,750
11-02-2008	01:57:55	913169,875	1,563	0,003	2,604	9,375
11-02-2008	02:07:55	913170,438	0,563	0,001	0,938	3,375
11-02-2008	02:17:55	913171,438	1,000	0,002	1,667	6,000
11-02-2008	02:27:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	02:37:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	02:47:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	02:57:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	03:07:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	03:17:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	03:27:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	03:37:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	03:47:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	03:57:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	04:07:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	04:17:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	04:27:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	04:37:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	04:47:55	913171,438	0,000	0,000	0,000	0,000
11-02-2008	04:57:56	913171,438	0,000	0,000	0,000	0,000
11-02-2008	05:07:56	913171,875	0,438	0,001	0,729	2,625
11-02-2008	05:17:56	913173,375	1,500	0,003	2,500	9,000
11-02-2008	05:27:56	913174,188	0,813	0,001	1,354	4,875
11-02-2008	05:37:56	913174,188	0,000	0,000	0,000	0,000
11-02-2008	05:47:56	913174,188	0,000	0,000	0,000	0,000
11-02-2008	05:57:56	913174,250	0,063	0,000	0,104	0,375
11-02-2008	06:07:56	913174,250	0,000	0,000	0,000	0,000
11-02-2008	06:17:56	913174,500	0,250	0,000	0,417	1,500
11-02-2008	06:27:56	913174,813	0,313	0,001	0,521	1,875
11-02-2008	06:37:56	913175,188	0,375	0,001	0,625	2,250
11-02-2008	06:47:56	913176,750	1,563	0,003	2,604	9,375
11-02-2008	06:57:56	913178,438	1,688	0,003	2,813	10,125
11-02-2008	07:07:56	913180,500	2,063	0,003	3,438	12,375
11-02-2008	07:17:56	913182,875	2,375	0,004	3,958	14,250
11-02-2008	07:27:56	913185,313	2,438	0,004	4,063	14,625
11-02-2008	07:37:56	913188,125	2,813	0,005	4,688	16,875
11-02-2008	07:47:56	913191,250	3,125	0,005	5,208	18,750
11-02-2008	07:57:56	913194,750	3,500	0,006	5,833	21,000
11-02-2008	08:07:56	913197,813	3,063	0,005	5,104	18,375

11-02-2008	08:17:56	913200,625	2,813	0,005	4,688	16,875
11-02-2008	08:27:56	913203,063	2,438	0,004	4,063	14,625
11-02-2008	08:37:56	913205,313	2,250	0,004	3,750	13,500
11-02-2008	08:47:56	913207,563	2,250	0,004	3,750	13,500
11-02-2008	08:57:56	913209,813	2,250	0,004	3,750	13,500
11-02-2008	09:07:56	913212,375	2,563	0,004	4,271	15,375
11-02-2008	09:17:56	913215,438	3,063	0,005	5,104	18,375
11-02-2008	09:27:56	913218,750	3,313	0,006	5,521	19,875
11-02-2008	09:37:56	913222,000	3,250	0,005	5,417	19,500
11-02-2008	09:47:56	913225,125	3,125	0,005	5,208	18,750
11-02-2008	09:57:56	913228,500	3,375	0,006	5,625	20,250
11-02-2008	10:07:56	913231,625	3,125	0,005	5,208	18,750
11-02-2008	10:17:56	913234,688	3,063	0,005	5,104	18,375
11-02-2008	10:27:56	913238,063	3,375	0,006	5,625	20,250
11-02-2008	10:37:56	913241,125	3,063	0,005	5,104	18,375
11-02-2008	10:47:56	913243,875	2,750	0,005	4,583	16,500
11-02-2008	10:57:56	913246,563	2,688	0,004	4,479	16,125
11-02-2008	11:07:56	913249,500	2,938	0,005	4,896	17,625
11-02-2008	11:17:56	913251,750	2,250	0,004	3,750	13,500
11-02-2008	11:27:56	913254,625	2,875	0,005	4,792	17,250
11-02-2008	11:37:56	913256,938	2,313	0,004	3,854	13,875
11-02-2008	11:47:57	913262,813	5,875	0,010	9,792	35,250
11-02-2008	11:57:57	913270,063	7,250	0,012	12,083	43,500
11-02-2008	12:07:57	913277,313	7,250	0,012	12,083	43,500
11-02-2008	12:17:57	913284,750	7,438	0,012	12,396	44,625
11-02-2008	12:27:57	913288,563	3,813	0,006	6,354	22,875
11-02-2008	12:37:57	913290,875	2,313	0,004	3,854	13,875
11-02-2008	12:47:57	913293,250	2,375	0,004	3,958	14,250
11-02-2008	12:57:57	913295,625	2,375	0,004	3,958	14,250
11-02-2008	13:07:57	913298,063	2,438	0,004	4,063	14,625
11-02-2008	13:17:57	913300,688	2,625	0,004	4,375	15,750
11-02-2008	13:27:57	913303,250	2,563	0,004	4,271	15,375
11-02-2008	13:37:57	913305,563	2,313	0,004	3,854	13,875
11-02-2008	13:47:57	913307,625	2,063	0,003	3,438	12,375
11-02-2008	13:57:57	913310,063	2,438	0,004	4,063	14,625
11-02-2008	14:07:57	913312,188	2,125	0,004	3,542	12,750
11-02-2008	14:17:57	913314,563	2,375	0,004	3,958	14,250
11-02-2008	14:27:57	913316,938	2,375	0,004	3,958	14,250
11-02-2008	14:37:57	913320,125	3,188	0,005	5,313	19,125
11-02-2008	14:47:57	913322,938	2,813	0,005	4,688	16,875
11-02-2008	14:57:57	913325,188	2,250	0,004	3,750	13,500
11-02-2008	15:07:57	913327,375	2,188	0,004	3,646	13,125
11-02-2008	15:17:57	913329,250	1,875	0,003	3,125	11,250
11-02-2008	15:27:57	913331,500	2,250	0,004	3,750	13,500
11-02-2008	15:37:57	913333,438	1,938	0,003	3,229	11,625
11-02-2008	15:47:57	913335,125	1,688	0,003	2,813	10,125
11-02-2008	15:57:57	913337,125	2,000	0,003	3,333	12,000
11-02-2008	16:07:57	913338,875	1,750	0,003	2,917	10,500
11-02-2008	16:17:57	913340,500	1,625	0,003	2,708	9,750
11-02-2008	16:27:57	913341,563	1,063	0,002	1,771	6,375
11-02-2008	16:37:57	913344,063	2,500	0,004	4,167	15,000
11-02-2008	16:47:57	913346,188	2,125	0,004	3,542	12,750
11-02-2008	16:57:57	913347,938	1,750	0,003	2,917	10,500
11-02-2008	17:07:57	913349,813	1,875	0,003	3,125	11,250
11-02-2008	17:17:57	913352,000	2,188	0,004	3,646	13,125

11-02-2008	17:27:57	913354,250	2,250	0,004	3,750	13,500
11-02-2008	17:37:57	913355,563	1,313	0,002	2,188	7,875
11-02-2008	17:47:57	913357,313	1,750	0,003	2,917	10,500
11-02-2008	17:57:57	913358,688	1,375	0,002	2,292	8,250
11-02-2008	18:07:57	913361,000	2,313	0,004	3,854	13,875
11-02-2008	18:17:58	913363,125	2,125	0,004	3,542	12,750
11-02-2008	18:27:58	913365,500	2,375	0,004	3,958	14,250
11-02-2008	18:37:58	913368,063	2,563	0,004	4,271	15,375
11-02-2008	18:50:08	913371,188	3,125	0,005	5,208	18,750
11-02-2008	19:00:08	913373,563	2,375	0,004	3,958	14,250
11-02-2008	19:10:08	913375,875	2,313	0,004	3,854	13,875
11-02-2008	19:20:08	913378,563	2,688	0,004	4,479	16,125
11-02-2008	19:30:08	913381,125	2,563	0,004	4,271	15,375
11-02-2008	19:40:35	913383,938	2,813	0,005	4,688	16,875
11-02-2008	19:51:37	913387,125	3,188	0,005	5,313	19,125
11-02-2008	20:01:37	913390,000	2,875	0,005	4,792	17,250
11-02-2008	20:11:37	913393,313	3,313	0,006	5,521	19,875
11-02-2008	20:21:37	913396,875	3,563	0,006	5,938	21,375
11-02-2008	20:31:37	913399,750	2,875	0,005	4,792	17,250
11-02-2008	20:41:37	913402,625	2,875	0,005	4,792	17,250
11-02-2008	20:51:37	913405,313	2,688	0,004	4,479	16,125
11-02-2008	21:01:37	913408,375	3,063	0,005	5,104	18,375
11-02-2008	21:11:37	913411,313	2,938	0,005	4,896	17,625
11-02-2008	21:21:37	913414,063	2,750	0,005	4,583	16,500
11-02-2008	21:31:37	913416,813	2,750	0,005	4,583	16,500
11-02-2008	21:41:37	913419,250	2,438	0,004	4,063	14,625
11-02-2008	21:51:37	913421,438	2,188	0,004	3,646	13,125
11-02-2008	22:01:37	913423,750	2,313	0,004	3,854	13,875
11-02-2008	22:11:37	913426,063	2,313	0,004	3,854	13,875
11-02-2008	22:21:37	913428,125	2,063	0,003	3,438	12,375
11-02-2008	22:31:37	913430,750	2,625	0,004	4,375	15,750
11-02-2008	22:41:37	913432,688	1,938	0,003	3,229	11,625
11-02-2008	22:51:37	913434,813	2,125	0,004	3,542	12,750
11-02-2008	23:01:37	913436,938	2,125	0,004	3,542	12,750
11-02-2008	23:11:38	913439,063	2,125	0,004	3,542	12,750
11-02-2008	23:21:38	913440,813	1,750	0,003	2,917	10,500
11-02-2008	23:31:38	913442,313	1,500	0,003	2,500	9,000
11-02-2008	23:41:38	913444,000	1,688	0,003	2,813	10,125
11-02-2008	23:51:38	913445,438	1,438	0,002	2,396	8,625
12-02-2008	00:00:04	913446,188	0,750	0,001	1,471	5,294

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	913446,188				
12-02-2008	00:01:38	913446,375	0,188	0,002	2,083	7,500
12-02-2008	00:11:38	913447,188	0,813	0,001	1,354	4,875
12-02-2008	00:21:38	913447,938	0,750	0,001	1,250	4,500
12-02-2008	00:31:38	913449,000	1,063	0,002	1,771	6,375
12-02-2008	00:41:38	913449,938	0,938	0,002	1,563	5,625
12-02-2008	00:51:38	913450,500	0,563	0,001	0,938	3,375
12-02-2008	01:01:38	913450,750	0,250	0,000	0,417	1,500
12-02-2008	01:11:38	913451,000	0,250	0,000	0,417	1,500
12-02-2008	01:21:38	913451,125	0,125	0,000	0,208	0,750
12-02-2008	01:31:38	913452,500	1,375	0,002	2,292	8,250
12-02-2008	01:41:38	913453,750	1,250	0,002	2,083	7,500
12-02-2008	01:51:38	913454,313	0,563	0,001	0,938	3,375
12-02-2008	02:01:38	913455,750	1,438	0,002	2,396	8,625
12-02-2008	02:11:38	913456,938	1,188	0,002	1,979	7,125
12-02-2008	02:21:38	913457,188	0,250	0,000	0,417	1,500
12-02-2008	02:31:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	02:41:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	02:51:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	03:01:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	03:11:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	03:21:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	03:31:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	03:41:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	03:51:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	04:01:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	04:11:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	04:21:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	04:31:38	913457,188	0,000	0,000	0,000	0,000
12-02-2008	04:41:39	913457,188	0,000	0,000	0,000	0,000
12-02-2008	04:51:39	913457,188	0,000	0,000	0,000	0,000
12-02-2008	05:01:39	913457,188	0,000	0,000	0,000	0,000
12-02-2008	05:11:39	913457,188	0,000	0,000	0,000	0,000
12-02-2008	05:21:39	913457,188	0,000	0,000	0,000	0,000
12-02-2008	05:31:39	913457,188	0,000	0,000	0,000	0,000
12-02-2008	05:41:39	913457,188	0,000	0,000	0,000	0,000
12-02-2008	05:51:39	913457,188	0,000	0,000	0,000	0,000
12-02-2008	06:01:39	913457,188	0,000	0,000	0,000	0,000
12-02-2008	06:11:39	913457,188	0,000	0,000	0,000	0,000
12-02-2008	06:21:39	913457,188	0,000	0,000	0,000	0,000
12-02-2008	06:31:39	913457,438	0,250	0,000	0,417	1,500
12-02-2008	06:41:39	913457,688	0,250	0,000	0,417	1,500
12-02-2008	06:51:39	913459,125	1,438	0,002	2,396	8,625
12-02-2008	07:01:39	913461,188	2,063	0,003	3,438	12,375
12-02-2008	07:11:39	913463,375	2,188	0,004	3,646	13,125
12-02-2008	07:21:39	913466,000	2,625	0,004	4,375	15,750
12-02-2008	07:31:39	913468,375	2,375	0,004	3,958	14,250
12-02-2008	07:41:39	913471,250	2,875	0,005	4,792	17,250
12-02-2008	07:51:39	913474,063	2,813	0,005	4,688	16,875

12-02-2008	08:01:39	913477,125	3,063	0,005	5,104	18,375
12-02-2008	08:11:39	913480,000	2,875	0,005	4,792	17,250
12-02-2008	08:21:39	913482,813	2,813	0,005	4,688	16,875
12-02-2008	08:31:39	913485,563	2,750	0,005	4,583	16,500
12-02-2008	08:41:40	913488,375	2,813	0,005	4,688	16,875
12-02-2008	08:51:40	913491,375	3,000	0,005	5,000	18,000
12-02-2008	09:01:40	913493,500	2,125	0,004	3,542	12,750
12-02-2008	09:11:40	913495,750	2,250	0,004	3,750	13,500
12-02-2008	09:21:40	913498,688	2,938	0,005	4,896	17,625
12-02-2008	09:31:40	913502,313	3,625	0,006	6,042	21,750
12-02-2008	09:41:40	913506,500	4,188	0,007	6,979	25,125
12-02-2008	09:51:40	913510,813	4,313	0,007	7,188	25,875
12-02-2008	10:01:40	913514,375	3,563	0,006	5,938	21,375
12-02-2008	10:11:40	913517,438	3,063	0,005	5,104	18,375
12-02-2008	10:21:40	913520,563	3,125	0,005	5,208	18,750
12-02-2008	10:31:40	913523,750	3,188	0,005	5,313	19,125
12-02-2008	10:41:40	913527,000	3,250	0,005	5,417	19,500
12-02-2008	10:51:40	913530,313	3,313	0,006	5,521	19,875
12-02-2008	11:01:40	913533,000	2,688	0,004	4,479	16,125
12-02-2008	11:11:40	913535,750	2,750	0,005	4,583	16,500
12-02-2008	11:21:40	913538,375	2,625	0,004	4,375	15,750
12-02-2008	11:31:40	913540,625	2,250	0,004	3,750	13,500
12-02-2008	11:41:40	913543,250	2,625	0,004	4,375	15,750
12-02-2008	11:51:40	913545,813	2,563	0,004	4,271	15,375
12-02-2008	12:01:40	913548,563	2,750	0,005	4,583	16,500
12-02-2008	12:11:40	913551,188	2,625	0,004	4,375	15,750
12-02-2008	12:21:40	913553,938	2,750	0,005	4,583	16,500
12-02-2008	12:31:40	913556,875	2,938	0,005	4,896	17,625
12-02-2008	12:41:40	913560,188	3,313	0,006	5,521	19,875
12-02-2008	12:51:40	913563,625	3,438	0,006	5,729	20,625
12-02-2008	13:01:40	913566,813	3,188	0,005	5,313	19,125
12-02-2008	13:11:40	913569,313	2,500	0,004	4,167	15,000
12-02-2008	13:21:40	913571,813	2,500	0,004	4,167	15,000
12-02-2008	13:31:40	913574,438	2,625	0,004	4,375	15,750
12-02-2008	13:41:40	913577,250	2,813	0,005	4,688	16,875
12-02-2008	13:51:40	913580,000	2,750	0,005	4,583	16,500
12-02-2008	14:01:40	913582,813	2,813	0,005	4,688	16,875
12-02-2008	14:11:40	913585,375	2,563	0,004	4,271	15,375
12-02-2008	14:21:40	913589,063	3,688	0,006	6,146	22,125
12-02-2008	14:31:40	913592,688	3,625	0,006	6,042	21,750
12-02-2008	14:41:40	913596,000	3,313	0,006	5,521	19,875
12-02-2008	14:51:41	913598,875	2,875	0,005	4,792	17,250
12-02-2008	15:01:41	913601,688	2,813	0,005	4,688	16,875
12-02-2008	15:11:41	913603,625	1,938	0,003	3,229	11,625
12-02-2008	15:21:41	913605,000	1,375	0,002	2,292	8,250
12-02-2008	15:31:41	913606,750	1,750	0,003	2,917	10,500
12-02-2008	15:41:41	913608,563	1,813	0,003	3,021	10,875
12-02-2008	15:51:41	913610,500	1,938	0,003	3,229	11,625
12-02-2008	16:01:41	913613,125	2,625	0,004	4,375	15,750
12-02-2008	16:11:41	913615,125	2,000	0,003	3,333	12,000
12-02-2008	16:21:41	913617,000	1,875	0,003	3,125	11,250
12-02-2008	16:31:41	913619,438	2,438	0,004	4,063	14,625
12-02-2008	16:41:41	913621,875	2,438	0,004	4,063	14,625
12-02-2008	16:51:41	913624,250	2,375	0,004	3,958	14,250
12-02-2008	17:01:41	913627,563	3,313	0,006	5,521	19,875

12-02-2008	17:11:41	913630,500	2,938	0,005	4,896	17,625
12-02-2008	17:21:41	913632,813	2,313	0,004	3,854	13,875
12-02-2008	17:31:41	913635,500	2,688	0,004	4,479	16,125
12-02-2008	17:41:41	913638,813	3,313	0,006	5,521	19,875
12-02-2008	17:51:41	913641,375	2,563	0,004	4,271	15,375
12-02-2008	18:01:41	913644,063	2,688	0,004	4,479	16,125
12-02-2008	18:11:41	913646,375	2,313	0,004	3,854	13,875
12-02-2008	18:21:41	913649,063	2,688	0,004	4,479	16,125
12-02-2008	18:31:41	913651,625	2,563	0,004	4,271	15,375
12-02-2008	18:41:41	913654,625	3,000	0,005	5,000	18,000
12-02-2008	18:51:41	913657,313	2,688	0,004	4,479	16,125
12-02-2008	19:01:41	913659,938	2,625	0,004	4,375	15,750
12-02-2008	19:11:41	913663,250	3,313	0,006	5,521	19,875
12-02-2008	19:21:41	913666,875	3,625	0,006	6,042	21,750
12-02-2008	19:31:41	913670,188	3,313	0,006	5,521	19,875
12-02-2008	19:41:41	913673,625	3,438	0,006	5,729	20,625
12-02-2008	19:51:41	913676,438	2,813	0,005	4,688	16,875
12-02-2008	20:01:41	913679,125	2,688	0,004	4,479	16,125
12-02-2008	20:11:41	913682,313	3,188	0,005	5,313	19,125
12-02-2008	20:21:41	913685,500	3,188	0,005	5,313	19,125
12-02-2008	20:31:41	913688,438	2,938	0,005	4,896	17,625
12-02-2008	20:41:41	913691,313	2,875	0,005	4,792	17,250
12-02-2008	20:51:41	913694,188	2,875	0,005	4,792	17,250
12-02-2008	21:01:41	913697,000	2,813	0,005	4,688	16,875
12-02-2008	21:11:41	913699,750	2,750	0,005	4,583	16,500
12-02-2008	21:21:41	913702,500	2,750	0,005	4,583	16,500
12-02-2008	21:31:42	913705,438	2,938	0,005	4,896	17,625
12-02-2008	21:41:42	913708,125	2,688	0,004	4,479	16,125
12-02-2008	21:51:42	913710,875	2,750	0,005	4,583	16,500
12-02-2008	22:01:42	913713,625	2,750	0,005	4,583	16,500
12-02-2008	22:11:42	913716,250	2,625	0,004	4,375	15,750
12-02-2008	22:21:42	913718,750	2,500	0,004	4,167	15,000
12-02-2008	22:31:42	913721,000	2,250	0,004	3,750	13,500
12-02-2008	22:41:42	913723,125	2,125	0,004	3,542	12,750
12-02-2008	22:51:42	913725,625	2,500	0,004	4,167	15,000
12-02-2008	23:01:42	913728,250	2,625	0,004	4,375	15,750
12-02-2008	23:11:42	913730,375	2,125	0,004	3,542	12,750
12-02-2008	23:21:42	913732,438	2,063	0,003	3,438	12,375
12-02-2008	23:31:42	913734,188	1,750	0,003	2,917	10,500
12-02-2008	23:41:42	913735,750	1,563	0,003	2,604	9,375
12-02-2008	23:51:42	913737,375	1,625	0,003	2,708	9,750
13-02-2008	00:00:24	913738,875	1,500	0,003	2,885	10,385

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	913738,875				
13-02-2008	00:01:42	913739,000	0,125	0,001	1,389	5,000
13-02-2008	00:11:42	913739,438	0,438	0,001	0,729	2,625
13-02-2008	00:21:42	913740,000	0,563	0,001	0,938	3,375
13-02-2008	00:31:42	913740,750	0,750	0,001	1,250	4,500
13-02-2008	00:41:42	913742,313	1,563	0,003	2,604	9,375
13-02-2008	00:51:42	913743,563	1,250	0,002	2,083	7,500
13-02-2008	01:01:42	913744,063	0,500	0,001	0,833	3,000
13-02-2008	01:11:42	913744,438	0,375	0,001	0,625	2,250
13-02-2008	01:21:42	913744,563	0,125	0,000	0,208	0,750
13-02-2008	01:31:42	913746,063	1,500	0,003	2,500	9,000
13-02-2008	01:41:42	913747,375	1,313	0,002	2,188	7,875
13-02-2008	01:51:42	913748,125	0,750	0,001	1,250	4,500
13-02-2008	02:01:42	913749,563	1,438	0,002	2,396	8,625
13-02-2008	02:11:42	913750,938	1,375	0,002	2,292	8,250
13-02-2008	02:21:42	913751,125	0,188	0,000	0,313	1,125
13-02-2008	02:31:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	02:41:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	02:51:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	03:01:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	03:11:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	03:21:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	03:31:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	03:41:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	03:51:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	04:01:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	04:11:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	04:21:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	04:31:42	913751,125	0,000	0,000	0,000	0,000
13-02-2008	04:41:43	913751,125	0,000	0,000	0,000	0,000
13-02-2008	04:51:43	913751,125	0,000	0,000	0,000	0,000
13-02-2008	05:01:43	913751,188	0,063	0,000	0,104	0,375
13-02-2008	05:11:43	913751,188	0,000	0,000	0,000	0,000
13-02-2008	05:21:43	913751,188	0,000	0,000	0,000	0,000
13-02-2008	05:31:43	913751,188	0,000	0,000	0,000	0,000
13-02-2008	05:41:43	913751,188	0,000	0,000	0,000	0,000
13-02-2008	05:51:43	913751,188	0,000	0,000	0,000	0,000
13-02-2008	06:01:43	913751,188	0,000	0,000	0,000	0,000
13-02-2008	06:11:43	913751,250	0,063	0,000	0,104	0,375
13-02-2008	06:21:43	913751,563	0,313	0,001	0,521	1,875
13-02-2008	06:31:43	913752,188	0,625	0,001	1,042	3,750
13-02-2008	06:41:43	913752,750	0,563	0,001	0,938	3,375
13-02-2008	06:51:43	913754,000	1,250	0,002	2,083	7,500
13-02-2008	07:01:43	913756,063	2,063	0,003	3,438	12,375
13-02-2008	07:11:43	913758,688	2,625	0,004	4,375	15,750
13-02-2008	07:21:43	913761,750	3,063	0,005	5,104	18,375
13-02-2008	07:31:43	913764,125	2,375	0,004	3,958	14,250
13-02-2008	07:41:43	913767,500	3,375	0,006	5,625	20,250
13-02-2008	07:51:43	913770,938	3,438	0,006	5,729	20,625
13-02-2008	08:01:43	913774,125	3,188	0,005	5,313	19,125
13-02-2008	08:11:43	913776,875	2,750	0,005	4,583	16,500

13-02-2008	08:21:43	913779,563	2,688	0,004	4,479	16,125
13-02-2008	08:31:43	913782,250	2,688	0,004	4,479	16,125
13-02-2008	08:41:43	913784,563	2,313	0,004	3,854	13,875
13-02-2008	08:51:44	913786,813	2,250	0,004	3,750	13,500
13-02-2008	09:01:44	913789,000	2,188	0,004	3,646	13,125
13-02-2008	09:11:44	913791,875	2,875	0,005	4,792	17,250
13-02-2008	09:21:44	913794,938	3,063	0,005	5,104	18,375
13-02-2008	09:31:44	913797,875	2,938	0,005	4,896	17,625
13-02-2008	09:41:44	913800,938	3,063	0,005	5,104	18,375
13-02-2008	09:51:44	913803,688	2,750	0,005	4,583	16,500
13-02-2008	10:01:44	913806,500	2,813	0,005	4,688	16,875
13-02-2008	10:11:44	913809,000	2,500	0,004	4,167	15,000
13-02-2008	10:21:44	913811,938	2,938	0,005	4,896	17,625
13-02-2008	10:31:44	913814,313	2,375	0,004	3,958	14,250
13-02-2008	10:41:44	913816,500	2,188	0,004	3,646	13,125
13-02-2008	10:51:44	913819,500	3,000	0,005	5,000	18,000
13-02-2008	11:01:44	913822,938	3,438	0,006	5,729	20,625
13-02-2008	11:11:44	913829,000	6,063	0,010	10,104	36,375
13-02-2008	11:21:44	913836,313	7,313	0,012	12,188	43,875
13-02-2008	11:31:44	913843,000	6,688	0,011	11,146	40,125
13-02-2008	11:41:44	913847,938	4,938	0,008	8,229	29,625
13-02-2008	11:51:44	913851,813	3,875	0,006	6,458	23,250
13-02-2008	12:01:44	913854,500	2,688	0,004	4,479	16,125
13-02-2008	12:11:44	913857,188	2,688	0,004	4,479	16,125
13-02-2008	12:22:04	913860,500	3,313	0,006	5,521	19,875
13-02-2008	12:32:49	913864,313	3,813	0,006	6,354	22,875
13-02-2008	12:42:49	913868,188	3,875	0,006	6,458	23,250
13-02-2008	12:52:49	913870,813	2,625	0,004	4,375	15,750
13-02-2008	13:02:49	913873,688	2,875	0,005	4,792	17,250
13-02-2008	13:12:49	913876,375	2,688	0,004	4,479	16,125
13-02-2008	13:22:49	913879,063	2,688	0,004	4,479	16,125
13-02-2008	13:32:49	913881,500	2,438	0,004	4,063	14,625
13-02-2008	13:42:49	913884,063	2,563	0,004	4,271	15,375
13-02-2008	13:52:49	913886,625	2,563	0,004	4,271	15,375
13-02-2008	14:02:49	913889,500	2,875	0,005	4,792	17,250
13-02-2008	14:12:49	913892,250	2,750	0,005	4,583	16,500
13-02-2008	14:22:49	913894,375	2,125	0,004	3,542	12,750
13-02-2008	14:32:49	913896,188	1,813	0,003	3,021	10,875
13-02-2008	14:42:49	913899,313	3,125	0,005	5,208	18,750
13-02-2008	14:52:49	913905,563	6,250	0,010	10,417	37,500
13-02-2008	15:02:49	913911,875	6,313	0,011	10,521	37,875
13-02-2008	15:12:49	913918,313	6,438	0,011	10,729	38,625
13-02-2008	15:22:49	913925,250	6,938	0,012	11,563	41,625
13-02-2008	15:32:50	913932,125	6,875	0,011	11,458	41,250
13-02-2008	15:42:50	913938,875	6,750	0,011	11,250	40,500
13-02-2008	15:52:50	913945,063	6,188	0,010	10,313	37,125
13-02-2008	16:02:50	913949,250	4,188	0,007	6,979	25,125
13-02-2008	16:12:50	913952,875	3,625	0,006	6,042	21,750
13-02-2008	16:22:50	913955,188	2,313	0,004	3,854	13,875
13-02-2008	16:32:50	913957,438	2,250	0,004	3,750	13,500
13-02-2008	16:42:50	913959,813	2,375	0,004	3,958	14,250
13-02-2008	16:52:50	913962,063	2,250	0,004	3,750	13,500
13-02-2008	17:02:50	913964,375	2,313	0,004	3,854	13,875
13-02-2008	17:12:50	913967,063	2,688	0,004	4,479	16,125
13-02-2008	17:22:50	913972,563	5,500	0,009	9,167	33,000

13-02-2008	17:32:50	913979,500	6,938	0,012	11,563	41,625
13-02-2008	17:42:50	913986,188	6,688	0,011	11,146	40,125
13-02-2008	17:52:50	913993,000	6,813	0,011	11,354	40,875
13-02-2008	18:02:50	913999,938	6,938	0,012	11,563	41,625
13-02-2008	18:12:50	914007,438	7,500	0,013	12,500	45,000
13-02-2008	18:22:50	914014,813	7,375	0,012	12,292	44,250
13-02-2008	18:32:50	914022,188	7,375	0,012	12,292	44,250
13-02-2008	18:42:50	914029,500	7,313	0,012	12,188	43,875
13-02-2008	18:52:50	914036,813	7,313	0,012	12,188	43,875
13-02-2008	19:02:50	914040,188	3,375	0,006	5,625	20,250
13-02-2008	19:12:50	914043,000	2,813	0,005	4,688	16,875
13-02-2008	19:22:50	914045,875	2,875	0,005	4,792	17,250
13-02-2008	19:32:50	914049,125	3,250	0,005	5,417	19,500
13-02-2008	19:42:50	914052,313	3,188	0,005	5,313	19,125
13-02-2008	19:52:50	914055,563	3,250	0,005	5,417	19,500
13-02-2008	20:02:50	914058,438	2,875	0,005	4,792	17,250
13-02-2008	20:12:50	914061,438	3,000	0,005	5,000	18,000
13-02-2008	20:22:50	914064,938	3,500	0,006	5,833	21,000
13-02-2008	20:32:50	914068,063	3,125	0,005	5,208	18,750
13-02-2008	20:42:50	914071,188	3,125	0,005	5,208	18,750
13-02-2008	20:52:50	914074,438	3,250	0,005	5,417	19,500
13-02-2008	21:02:50	914077,625	3,188	0,005	5,313	19,125
13-02-2008	21:12:50	914080,438	2,813	0,005	4,688	16,875
13-02-2008	21:22:51	914083,188	2,750	0,005	4,583	16,500
13-02-2008	21:32:51	914086,063	2,875	0,005	4,792	17,250
13-02-2008	21:42:51	914088,688	2,625	0,004	4,375	15,750
13-02-2008	21:52:51	914091,563	2,875	0,005	4,792	17,250
13-02-2008	22:02:51	914094,250	2,688	0,004	4,479	16,125
13-02-2008	22:12:51	914096,625	2,375	0,004	3,958	14,250
13-02-2008	22:22:51	914098,750	2,125	0,004	3,542	12,750
13-02-2008	22:32:51	914101,000	2,250	0,004	3,750	13,500
13-02-2008	22:42:51	914103,063	2,063	0,003	3,438	12,375
13-02-2008	22:52:51	914105,438	2,375	0,004	3,958	14,250
13-02-2008	23:02:51	914107,625	2,188	0,004	3,646	13,125
13-02-2008	23:12:51	914109,625	2,000	0,003	3,333	12,000
13-02-2008	23:22:51	914111,563	1,938	0,003	3,229	11,625
13-02-2008	23:32:51	914113,438	1,875	0,003	3,125	11,250
13-02-2008	23:42:51	914114,938	1,500	0,003	2,500	9,000
13-02-2008	23:52:51	914116,813	1,875	0,003	3,125	11,250
14-02-2008	00:00:13	914117,813	1,000	0,002	2,273	8,182

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:13	914117,813				
14-02-2008	00:02:51	914118,188	0,375	0,002	2,344	8,438
14-02-2008	00:12:51	914119,563	1,375	0,002	2,292	8,250
14-02-2008	00:22:51	914120,938	1,375	0,002	2,292	8,250
14-02-2008	00:32:51	914121,500	0,563	0,001	0,938	3,375
14-02-2008	00:42:51	914122,438	0,938	0,002	1,563	5,625
14-02-2008	00:52:51	914123,188	0,750	0,001	1,250	4,500
14-02-2008	01:02:51	914124,063	0,875	0,001	1,458	5,250
14-02-2008	01:12:51	914124,500	0,438	0,001	0,729	2,625
14-02-2008	01:22:51	914124,938	0,438	0,001	0,729	2,625
14-02-2008	01:32:53	914126,063	1,125	0,002	1,875	6,750
14-02-2008	01:42:53	914127,563	1,500	0,003	2,500	9,000
14-02-2008	01:52:53	914128,188	0,625	0,001	1,042	3,750
14-02-2008	02:02:53	914129,188	1,000	0,002	1,667	6,000
14-02-2008	02:12:53	914130,750	1,563	0,003	2,604	9,375
14-02-2008	02:22:53	914130,750	0,000	0,000	0,000	0,000
14-02-2008	02:32:53	914130,750	0,000	0,000	0,000	0,000
14-02-2008	02:42:53	914130,750	0,000	0,000	0,000	0,000
14-02-2008	02:52:53	914130,750	0,000	0,000	0,000	0,000
14-02-2008	03:02:53	914130,750	0,000	0,000	0,000	0,000
14-02-2008	03:12:53	914130,750	0,000	0,000	0,000	0,000
14-02-2008	03:22:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	03:32:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	03:42:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	03:52:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	04:02:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	04:12:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	04:22:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	04:32:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	04:42:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	04:52:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	05:02:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	05:12:54	914130,750	0,000	0,000	0,000	0,000
14-02-2008	05:22:55	914130,750	0,000	0,000	0,000	0,000
14-02-2008	05:32:55	914130,750	0,000	0,000	0,000	0,000
14-02-2008	05:42:55	914130,750	0,000	0,000	0,000	0,000
14-02-2008	05:52:55	914130,750	0,000	0,000	0,000	0,000
14-02-2008	06:02:55	914130,750	0,000	0,000	0,000	0,000
14-02-2008	06:12:55	914130,750	0,000	0,000	0,000	0,000
14-02-2008	06:22:55	914131,000	0,250	0,000	0,417	1,500
14-02-2008	06:32:55	914131,063	0,063	0,000	0,104	0,375
14-02-2008	06:42:55	914132,063	1,000	0,002	1,667	6,000
14-02-2008	06:52:55	914133,875	1,813	0,003	3,021	10,875
14-02-2008	07:02:55	914135,813	1,938	0,003	3,229	11,625
14-02-2008	07:12:55	914138,063	2,250	0,004	3,750	13,500
14-02-2008	07:22:55	914140,750	2,688	0,004	4,479	16,125
14-02-2008	07:32:56	914143,500	2,750	0,005	4,583	16,500
14-02-2008	07:42:56	914146,438	2,938	0,005	4,896	17,625
14-02-2008	07:52:56	914149,375	2,938	0,005	4,896	17,625
14-02-2008	08:02:56	914152,563	3,188	0,005	5,313	19,125

14-02-2008	08:12:56	914155,250	2,688	0,004	4,479	16,125
14-02-2008	08:22:56	914158,125	2,875	0,005	4,792	17,250
14-02-2008	08:32:56	914161,000	2,875	0,005	4,792	17,250
14-02-2008	08:42:56	914163,125	2,125	0,004	3,542	12,750
14-02-2008	08:52:56	914165,688	2,563	0,004	4,271	15,375
14-02-2008	09:02:56	914169,000	3,313	0,006	5,521	19,875
14-02-2008	09:12:56	914172,063	3,063	0,005	5,104	18,375
14-02-2008	09:22:56	914174,938	2,875	0,005	4,792	17,250
14-02-2008	09:32:56	914178,000	3,063	0,005	5,104	18,375
14-02-2008	09:42:56	914180,938	2,938	0,005	4,896	17,625
14-02-2008	09:52:56	914183,438	2,500	0,004	4,167	15,000
14-02-2008	10:02:56	914186,500	3,063	0,005	5,104	18,375
14-02-2008	10:12:56	914188,938	2,438	0,004	4,063	14,625
14-02-2008	10:22:56	914191,625	2,688	0,004	4,479	16,125
14-02-2008	10:32:56	914195,063	3,438	0,006	5,729	20,625
14-02-2008	10:42:56	914198,188	3,125	0,005	5,208	18,750
14-02-2008	10:52:56	914201,500	3,313	0,006	5,521	19,875
14-02-2008	11:02:56	914204,938	3,438	0,006	5,729	20,625
14-02-2008	11:12:56	914208,563	3,625	0,006	6,042	21,750
14-02-2008	11:22:56	914212,063	3,500	0,006	5,833	21,000
14-02-2008	11:32:56	914215,875	3,813	0,006	6,354	22,875
14-02-2008	11:42:56	914219,375	3,500	0,006	5,833	21,000
14-02-2008	11:52:56	914222,375	3,000	0,005	5,000	18,000
14-02-2008	12:02:56	914225,375	3,000	0,005	5,000	18,000
14-02-2008	12:12:56	914227,813	2,438	0,004	4,063	14,625
14-02-2008	12:22:56	914230,313	2,500	0,004	4,167	15,000
14-02-2008	12:32:56	914232,563	2,250	0,004	3,750	13,500
14-02-2008	12:42:56	914234,875	2,313	0,004	3,854	13,875
14-02-2008	12:52:57	914237,313	2,438	0,004	4,063	14,625
14-02-2008	13:02:57	914239,750	2,438	0,004	4,063	14,625
14-02-2008	13:12:57	914242,188	2,438	0,004	4,063	14,625
14-02-2008	13:22:57	914244,813	2,625	0,004	4,375	15,750
14-02-2008	13:32:57	914247,188	2,375	0,004	3,958	14,250
14-02-2008	13:42:57	914249,500	2,313	0,004	3,854	13,875
14-02-2008	13:52:57	914251,875	2,375	0,004	3,958	14,250
14-02-2008	14:02:57	914254,750	2,875	0,005	4,792	17,250
14-02-2008	14:12:57	914257,500	2,750	0,005	4,583	16,500
14-02-2008	14:22:57	914260,563	3,063	0,005	5,104	18,375
14-02-2008	14:32:57	914263,375	2,813	0,005	4,688	16,875
14-02-2008	14:42:57	914266,188	2,813	0,005	4,688	16,875
14-02-2008	14:52:57	914268,563	2,375	0,004	3,958	14,250
14-02-2008	15:02:57	914271,438	2,875	0,005	4,792	17,250
14-02-2008	15:12:57	914273,875	2,438	0,004	4,063	14,625
14-02-2008	15:22:57	914276,563	2,688	0,004	4,479	16,125
14-02-2008	15:32:57	914279,000	2,438	0,004	4,063	14,625
14-02-2008	15:42:57	914281,688	2,688	0,004	4,479	16,125
14-02-2008	15:52:57	914284,438	2,750	0,005	4,583	16,500
14-02-2008	16:02:57	914286,938	2,500	0,004	4,167	15,000
14-02-2008	16:12:57	914289,313	2,375	0,004	3,958	14,250
14-02-2008	16:22:57	914291,688	2,375	0,004	3,958	14,250
14-02-2008	16:32:57	914294,125	2,438	0,004	4,063	14,625
14-02-2008	16:42:57	914296,375	2,250	0,004	3,750	13,500
14-02-2008	16:52:57	914298,563	2,188	0,004	3,646	13,125
14-02-2008	17:02:57	914304,438	5,875	0,010	9,792	35,250
14-02-2008	17:12:57	914310,750	6,313	0,011	10,521	37,875

14-02-2008	17:22:57	914317,563	6,813	0,011	11,354	40,875
14-02-2008	17:32:57	914324,625	7,063	0,012	11,771	42,375
14-02-2008	17:42:57	914331,563	6,938	0,012	11,563	41,625
14-02-2008	17:52:57	914338,813	7,250	0,012	12,083	43,500
14-02-2008	18:02:57	914346,125	7,313	0,012	12,188	43,875
14-02-2008	18:12:57	914350,625	4,500	0,008	7,500	27,000
14-02-2008	18:22:57	914358,188	7,563	0,013	12,604	45,375
14-02-2008	18:32:57	914365,438	7,250	0,012	12,083	43,500
14-02-2008	18:42:58	914372,563	7,125	0,012	11,875	42,750
14-02-2008	18:52:58	914379,625	7,063	0,012	11,771	42,375
14-02-2008	19:02:58	914387,125	7,500	0,013	12,500	45,000
14-02-2008	19:12:58	914394,875	7,750	0,013	12,917	46,500
14-02-2008	19:22:58	914402,250	7,375	0,012	12,292	44,250
14-02-2008	19:32:58	914405,250	3,000	0,005	5,000	18,000
14-02-2008	19:42:58	914408,188	2,938	0,005	4,896	17,625
14-02-2008	19:52:58	914411,188	3,000	0,005	5,000	18,000
14-02-2008	20:02:58	914414,313	3,125	0,005	5,208	18,750
14-02-2008	20:12:58	914417,125	2,813	0,005	4,688	16,875
14-02-2008	20:22:58	914420,188	3,063	0,005	5,104	18,375
14-02-2008	20:32:58	914423,250	3,063	0,005	5,104	18,375
14-02-2008	20:42:58	914426,063	2,813	0,005	4,688	16,875
14-02-2008	20:52:58	914428,813	2,750	0,005	4,583	16,500
14-02-2008	21:02:58	914431,500	2,688	0,004	4,479	16,125
14-02-2008	21:12:58	914434,000	2,500	0,004	4,167	15,000
14-02-2008	21:22:58	914436,313	2,313	0,004	3,854	13,875
14-02-2008	21:32:58	914438,625	2,313	0,004	3,854	13,875
14-02-2008	21:42:58	914441,188	2,563	0,004	4,271	15,375
14-02-2008	21:52:58	914443,688	2,500	0,004	4,167	15,000
14-02-2008	22:02:58	914446,188	2,500	0,004	4,167	15,000
14-02-2008	22:12:58	914448,500	2,313	0,004	3,854	13,875
14-02-2008	22:22:58	914450,750	2,250	0,004	3,750	13,500
14-02-2008	22:32:58	914453,063	2,313	0,004	3,854	13,875
14-02-2008	22:42:58	914455,063	2,000	0,003	3,333	12,000
14-02-2008	22:52:58	914457,125	2,063	0,003	3,438	12,375
14-02-2008	23:02:58	914459,125	2,000	0,003	3,333	12,000
14-02-2008	23:12:58	914461,375	2,250	0,004	3,750	13,500
14-02-2008	23:22:58	914463,188	1,813	0,003	3,021	10,875
14-02-2008	23:32:58	914465,188	2,000	0,003	3,333	12,000
14-02-2008	23:42:58	914467,438	2,250	0,004	3,750	13,500
14-02-2008	23:52:58	914469,125	1,688	0,003	2,813	10,125
15-02-2008	00:00:03	914469,625	0,500	0,001	1,176	4,235

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
15-02-2008	00:00:03	914469,625				
15-02-2008	00:02:59	914470,000	0,375	0,002	2,083	7,500
15-02-2008	00:12:59	914470,875	0,875	0,001	1,458	5,250
15-02-2008	00:22:59	914471,750	0,875	0,001	1,458	5,250
15-02-2008	00:32:59	914472,438	0,688	0,001	1,146	4,125
15-02-2008	00:42:59	914473,188	0,750	0,001	1,250	4,500
15-02-2008	00:52:59	914474,875	1,688	0,003	2,813	10,125
15-02-2008	01:02:59	914476,188	1,313	0,002	2,188	7,875
15-02-2008	01:12:59	914476,313	0,125	0,000	0,208	0,750
15-02-2008	01:22:59	914476,938	0,625	0,001	1,042	3,750
15-02-2008	01:32:59	914477,938	1,000	0,002	1,667	6,000
15-02-2008	01:42:59	914479,438	1,500	0,003	2,500	9,000
15-02-2008	01:52:59	914480,125	0,688	0,001	1,146	4,125
15-02-2008	02:02:59	914481,125	1,000	0,002	1,667	6,000
15-02-2008	02:12:59	914482,563	1,438	0,002	2,396	8,625
15-02-2008	02:22:59	914482,563	0,000	0,000	0,000	0,000
15-02-2008	02:32:59	914482,563	0,000	0,000	0,000	0,000
15-02-2008	02:42:59	914482,563	0,000	0,000	0,000	0,000
15-02-2008	02:52:59	914482,563	0,000	0,000	0,000	0,000
15-02-2008	03:02:59	914482,563	0,000	0,000	0,000	0,000
15-02-2008	03:12:59	914482,563	0,000	0,000	0,000	0,000
15-02-2008	03:22:59	914482,563	0,000	0,000	0,000	0,000
15-02-2008	03:32:59	914482,563	0,000	0,000	0,000	0,000
15-02-2008	03:42:59	914482,563	0,000	0,000	0,000	0,000
15-02-2008	03:53:00	914482,563	0,000	0,000	0,000	0,000
15-02-2008	04:03:00	914482,563	0,000	0,000	0,000	0,000
15-02-2008	04:13:00	914482,563	0,000	0,000	0,000	0,000
15-02-2008	04:23:00	914482,563	0,000	0,000	0,000	0,000
15-02-2008	04:33:00	914482,563	0,000	0,000	0,000	0,000
15-02-2008	04:43:00	914482,625	0,063	0,000	0,104	0,375
15-02-2008	04:53:00	914483,313	0,688	0,001	1,146	4,125
15-02-2008	05:03:00	914484,875	1,563	0,003	2,604	9,375
15-02-2008	05:13:00	914485,875	1,000	0,002	1,667	6,000
15-02-2008	05:23:00	914485,875	0,000	0,000	0,000	0,000
15-02-2008	05:33:00	914485,875	0,000	0,000	0,000	0,000
15-02-2008	05:43:00	914485,875	0,000	0,000	0,000	0,000
15-02-2008	05:53:00	914485,875	0,000	0,000	0,000	0,000
15-02-2008	06:03:00	914485,875	0,000	0,000	0,000	0,000
15-02-2008	06:13:00	914485,938	0,063	0,000	0,104	0,375
15-02-2008	06:23:00	914486,125	0,188	0,000	0,313	1,125
15-02-2008	06:33:00	914486,438	0,313	0,001	0,521	1,875
15-02-2008	06:43:00	914487,188	0,750	0,001	1,250	4,500
15-02-2008	06:53:00	914488,563	1,375	0,002	2,292	8,250
15-02-2008	07:03:00	914490,500	1,938	0,003	3,229	11,625
15-02-2008	07:13:00	914493,063	2,563	0,004	4,271	15,375
15-02-2008	07:23:00	914495,750	2,688	0,004	4,479	16,125
15-02-2008	07:33:00	914498,250	2,500	0,004	4,167	15,000
15-02-2008	07:43:00	914501,188	2,938	0,005	4,896	17,625
15-02-2008	07:53:01	914504,438	3,250	0,005	5,417	19,500

15-02-2008	08:03:01	914507,438	3,000	0,005	5,000	18,000
15-02-2008	08:13:01	914510,625	3,188	0,005	5,313	19,125
15-02-2008	08:23:01	914513,563	2,938	0,005	4,896	17,625
15-02-2008	08:33:01	914516,688	3,125	0,005	5,208	18,750
15-02-2008	08:43:01	914519,438	2,750	0,005	4,583	16,500
15-02-2008	08:53:01	914522,125	2,688	0,004	4,479	16,125
15-02-2008	09:03:01	914524,438	2,313	0,004	3,854	13,875
15-02-2008	09:13:01	914526,938	2,500	0,004	4,167	15,000
15-02-2008	09:23:01	914529,688	2,750	0,005	4,583	16,500
15-02-2008	09:33:01	914532,250	2,563	0,004	4,271	15,375
15-02-2008	09:43:01	914535,500	3,250	0,005	5,417	19,500
15-02-2008	09:53:01	914539,313	3,813	0,006	6,354	22,875
15-02-2008	10:03:01	914542,750	3,438	0,006	5,729	20,625
15-02-2008	10:13:01	914546,750	4,000	0,007	6,667	24,000
15-02-2008	10:23:01	914550,188	3,438	0,006	5,729	20,625
15-02-2008	10:33:01	914553,375	3,188	0,005	5,313	19,125
15-02-2008	10:43:01	914556,250	2,875	0,005	4,792	17,250
15-02-2008	10:53:01	914560,000	3,750	0,006	6,250	22,500
15-02-2008	11:03:01	914563,063	3,063	0,005	5,104	18,375
15-02-2008	11:13:01	914566,313	3,250	0,005	5,417	19,500
15-02-2008	11:23:01	914569,875	3,563	0,006	5,938	21,375
15-02-2008	11:33:01	914572,688	2,813	0,005	4,688	16,875
15-02-2008	11:43:01	914575,750	3,063	0,005	5,104	18,375
15-02-2008	11:53:01	914578,375	2,625	0,004	4,375	15,750
15-02-2008	12:03:01	914581,250	2,875	0,005	4,792	17,250
15-02-2008	12:13:01	914583,750	2,500	0,004	4,167	15,000
15-02-2008	12:23:01	914586,688	2,938	0,005	4,896	17,625
15-02-2008	12:33:01	914589,438	2,750	0,005	4,583	16,500
15-02-2008	12:43:01	914592,500	3,063	0,005	5,104	18,375
15-02-2008	12:53:01	914595,313	2,813	0,005	4,688	16,875
15-02-2008	13:03:01	914597,875	2,563	0,004	4,271	15,375
15-02-2008	13:13:01	914600,438	2,563	0,004	4,271	15,375
15-02-2008	13:23:02	914603,063	2,625	0,004	4,375	15,750
15-02-2008	13:33:02	914605,750	2,688	0,004	4,479	16,125
15-02-2008	13:43:02	914608,063	2,313	0,004	3,854	13,875
15-02-2008	13:53:02	914610,375	2,313	0,004	3,854	13,875
15-02-2008	14:03:02	914612,813	2,438	0,004	4,063	14,625
15-02-2008	14:13:02	914615,063	2,250	0,004	3,750	13,500
15-02-2008	14:23:02	914618,063	3,000	0,005	5,000	18,000
15-02-2008	14:33:02	914620,625	2,563	0,004	4,271	15,375
15-02-2008	14:43:02	914623,313	2,688	0,004	4,479	16,125
15-02-2008	14:53:02	914625,625	2,313	0,004	3,854	13,875
15-02-2008	15:03:02	914628,000	2,375	0,004	3,958	14,250
15-02-2008	15:13:02	914630,625	2,625	0,004	4,375	15,750
15-02-2008	15:23:02	914633,438	2,813	0,005	4,688	16,875
15-02-2008	15:33:02	914636,063	2,625	0,004	4,375	15,750
15-02-2008	15:43:02	914638,438	2,375	0,004	3,958	14,250
15-02-2008	15:53:02	914640,875	2,438	0,004	4,063	14,625
15-02-2008	16:03:02	914645,625	4,750	0,008	7,917	28,500
15-02-2008	16:13:02	914652,438	6,813	0,011	11,354	40,875
15-02-2008	16:23:02	914659,188	6,750	0,011	11,250	40,500
15-02-2008	16:33:02	914662,375	3,188	0,005	5,313	19,125
15-02-2008	16:43:02	914665,188	2,813	0,005	4,688	16,875
15-02-2008	16:53:02	914667,875	2,688	0,004	4,479	16,125
15-02-2008	17:03:02	914671,188	3,313	0,006	5,521	19,875

15-02-2008	17:13:02	914674,375	3,188	0,005	5,313	19,125
15-02-2008	17:23:02	914677,563	3,188	0,005	5,313	19,125
15-02-2008	17:33:02	914680,375	2,813	0,005	4,688	16,875
15-02-2008	17:43:02	914683,375	3,000	0,005	5,000	18,000
15-02-2008	17:53:02	914685,813	2,438	0,004	4,063	14,625
15-02-2008	18:03:02	914688,875	3,063	0,005	5,104	18,375
15-02-2008	18:13:02	914692,813	3,938	0,007	6,563	23,625
15-02-2008	18:23:02	914696,500	3,688	0,006	6,146	22,125
15-02-2008	18:33:02	914699,188	2,688	0,004	4,479	16,125
15-02-2008	18:43:02	914701,938	2,750	0,005	4,583	16,500
15-02-2008	18:53:02	914704,625	2,688	0,004	4,479	16,125
15-02-2008	19:03:02	914707,500	2,875	0,005	4,792	17,250
15-02-2008	19:13:02	914710,875	3,375	0,006	5,625	20,250
15-02-2008	19:23:02	914714,313	3,438	0,006	5,729	20,625
15-02-2008	19:33:02	914717,313	3,000	0,005	5,000	18,000
15-02-2008	19:43:02	914720,688	3,375	0,006	5,625	20,250
15-02-2008	19:53:02	914723,875	3,188	0,005	5,313	19,125
15-02-2008	20:03:03	914727,063	3,188	0,005	5,313	19,125
15-02-2008	20:13:03	914730,625	3,563	0,006	5,938	21,375
15-02-2008	20:23:03	914734,000	3,375	0,006	5,625	20,250
15-02-2008	20:33:03	914737,313	3,313	0,006	5,521	19,875
15-02-2008	20:43:03	914740,563	3,250	0,005	5,417	19,500
15-02-2008	20:53:03	914743,188	2,625	0,004	4,375	15,750
15-02-2008	21:03:03	914746,438	3,250	0,005	5,417	19,500
15-02-2008	21:13:03	914749,625	3,188	0,005	5,313	19,125
15-02-2008	21:23:03	914752,313	2,688	0,004	4,479	16,125
15-02-2008	21:33:03	914755,000	2,688	0,004	4,479	16,125
15-02-2008	21:43:03	914758,125	3,125	0,005	5,208	18,750
15-02-2008	21:53:03	914760,500	2,375	0,004	3,958	14,250
15-02-2008	22:03:03	914762,875	2,375	0,004	3,958	14,250
15-02-2008	22:13:03	914765,000	2,125	0,004	3,542	12,750
15-02-2008	22:23:03	914767,250	2,250	0,004	3,750	13,500
15-02-2008	22:33:03	914769,313	2,063	0,003	3,438	12,375
15-02-2008	22:43:03	914771,625	2,313	0,004	3,854	13,875
15-02-2008	22:53:03	914773,875	2,250	0,004	3,750	13,500
15-02-2008	23:03:03	914776,250	2,375	0,004	3,958	14,250
15-02-2008	23:13:03	914778,438	2,188	0,004	3,646	13,125
15-02-2008	23:23:03	914780,625	2,188	0,004	3,646	13,125
15-02-2008	23:33:03	914782,688	2,063	0,003	3,438	12,375
15-02-2008	23:43:03	914784,500	1,813	0,003	3,021	10,875
15-02-2008	23:53:03	914786,688	2,188	0,004	3,646	13,125
16-02-2008	00:00:25	914788,125	1,438	0,003	3,267	11,761

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
16-02-2008	00:00:25	914788,125				
16-02-2008	00:03:03	914788,625	0,500	0,003	3,125	11,250
16-02-2008	00:13:03	914790,063	1,438	0,002	2,396	8,625
16-02-2008	00:23:03	914793,375	3,313	0,006	5,521	19,875
16-02-2008	00:33:03	914798,500	5,125	0,009	8,542	30,750
16-02-2008	00:43:03	914800,250	1,750	0,003	2,917	10,500
16-02-2008	00:53:03	914800,750	0,500	0,001	0,833	3,000
16-02-2008	01:03:03	914800,938	0,188	0,000	0,313	1,125
16-02-2008	01:13:03	914801,125	0,188	0,000	0,313	1,125
16-02-2008	01:23:04	914802,313	1,188	0,002	1,979	7,125
16-02-2008	01:33:04	914803,313	1,000	0,002	1,667	6,000
16-02-2008	01:43:04	914804,875	1,563	0,003	2,604	9,375
16-02-2008	01:53:04	914805,750	0,875	0,001	1,458	5,250
16-02-2008	02:03:04	914806,688	0,938	0,002	1,563	5,625
16-02-2008	02:13:04	914808,250	1,563	0,003	2,604	9,375
16-02-2008	02:23:04	914808,313	0,063	0,000	0,104	0,375
16-02-2008	02:33:04	914808,313	0,000	0,000	0,000	0,000
16-02-2008	02:43:04	914808,313	0,000	0,000	0,000	0,000
16-02-2008	02:53:04	914808,375	0,063	0,000	0,104	0,375
16-02-2008	03:03:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	03:13:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	03:23:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	03:33:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	03:43:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	03:53:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	04:03:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	04:13:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	04:23:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	04:33:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	04:43:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	04:53:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	05:03:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	05:13:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	05:23:04	914808,375	0,000	0,000	0,000	0,000
16-02-2008	05:33:05	914808,375	0,000	0,000	0,000	0,000
16-02-2008	05:43:05	914808,625	0,250	0,000	0,417	1,500
16-02-2008	05:53:05	914810,188	1,563	0,003	2,604	9,375
16-02-2008	06:03:05	914810,250	0,063	0,000	0,104	0,375
16-02-2008	06:13:05	914810,250	0,000	0,000	0,000	0,000
16-02-2008	06:23:05	914810,250	0,000	0,000	0,000	0,000
16-02-2008	06:33:05	914810,250	0,000	0,000	0,000	0,000
16-02-2008	06:43:05	914810,250	0,000	0,000	0,000	0,000
16-02-2008	06:53:05	914810,250	0,000	0,000	0,000	0,000
16-02-2008	07:03:05	914810,500	0,250	0,000	0,417	1,500
16-02-2008	07:13:05	914811,125	0,625	0,001	1,042	3,750
16-02-2008	07:23:05	914812,625	1,500	0,003	2,500	9,000
16-02-2008	07:33:05	914813,875	1,250	0,002	2,083	7,500
16-02-2008	07:43:05	914815,875	2,000	0,003	3,333	12,000

16-02-2008	07:53:05	914818,375	2,500	0,004	4,167	15,000
16-02-2008	08:03:05	914821,313	2,938	0,005	4,896	17,625
16-02-2008	08:13:05	914824,188	2,875	0,005	4,792	17,250
16-02-2008	08:23:05	914827,000	2,813	0,005	4,688	16,875
16-02-2008	08:33:05	914830,000	3,000	0,005	5,000	18,000
16-02-2008	08:43:05	914832,625	2,625	0,004	4,375	15,750
16-02-2008	08:53:05	914835,813	3,188	0,005	5,313	19,125
16-02-2008	09:03:05	914839,188	3,375	0,006	5,625	20,250
16-02-2008	09:13:05	914842,875	3,688	0,006	6,146	22,125
16-02-2008	09:23:05	914846,625	3,750	0,006	6,250	22,500
16-02-2008	09:33:05	914850,500	3,875	0,006	6,458	23,250
16-02-2008	09:43:05	914854,313	3,813	0,006	6,354	22,875
16-02-2008	09:53:05	914858,125	3,813	0,006	6,354	22,875
16-02-2008	10:03:05	914862,063	3,938	0,007	6,563	23,625
16-02-2008	10:13:05	914865,375	3,313	0,006	5,521	19,875
16-02-2008	10:23:05	914868,375	3,000	0,005	5,000	18,000
16-02-2008	10:33:05	914871,375	3,000	0,005	5,000	18,000
16-02-2008	10:43:05	914875,125	3,750	0,006	6,250	22,500
16-02-2008	10:53:05	914879,000	3,875	0,006	6,458	23,250
16-02-2008	11:03:05	914882,750	3,750	0,006	6,250	22,500
16-02-2008	11:13:05	914886,750	4,000	0,007	6,667	24,000
16-02-2008	11:23:05	914890,938	4,188	0,007	6,979	25,125
16-02-2008	11:33:05	914895,750	4,813	0,008	8,021	28,875
16-02-2008	11:43:05	914900,563	4,813	0,008	8,021	28,875
16-02-2008	11:53:06	914904,938	4,375	0,007	7,292	26,250
16-02-2008	12:03:06	914910,000	5,063	0,008	8,438	30,375
16-02-2008	12:13:06	914914,500	4,500	0,008	7,500	27,000
16-02-2008	12:23:06	914919,063	4,563	0,008	7,604	27,375
16-02-2008	12:33:06	914923,500	4,438	0,007	7,396	26,625
16-02-2008	12:43:06	914927,750	4,250	0,007	7,083	25,500
16-02-2008	12:53:06	914931,813	4,063	0,007	6,771	24,375
16-02-2008	13:03:06	914935,438	3,625	0,006	6,042	21,750
16-02-2008	13:13:06	914939,000	3,563	0,006	5,938	21,375
16-02-2008	13:23:06	914942,688	3,688	0,006	6,146	22,125
16-02-2008	13:33:06	914946,625	3,938	0,007	6,563	23,625
16-02-2008	13:43:06	914950,000	3,375	0,006	5,625	20,250
16-02-2008	13:53:06	914953,250	3,250	0,005	5,417	19,500
16-02-2008	14:03:06	914957,063	3,813	0,006	6,354	22,875
16-02-2008	14:13:06	914961,125	4,063	0,007	6,771	24,375
16-02-2008	14:23:06	914965,500	4,375	0,007	7,292	26,250
16-02-2008	14:33:06	914970,125	4,625	0,008	7,708	27,750
16-02-2008	14:43:06	914974,188	4,063	0,007	6,771	24,375
16-02-2008	14:53:06	914977,813	3,625	0,006	6,042	21,750
16-02-2008	15:03:06	914981,625	3,813	0,006	6,354	22,875
16-02-2008	15:13:06	914989,688	8,063	0,013	13,438	48,375
16-02-2008	15:23:06	914998,250	8,563	0,014	14,271	51,375
16-02-2008	15:33:06	915006,438	8,188	0,014	13,646	49,125
16-02-2008	15:43:06	915014,875	8,438	0,014	14,063	50,625
16-02-2008	15:53:06	915023,188	8,313	0,014	13,854	49,875
16-02-2008	16:03:06	915031,688	8,500	0,014	14,167	51,000
16-02-2008	16:13:06	915040,125	8,438	0,014	14,063	50,625
16-02-2008	16:23:06	915048,938	8,813	0,015	14,688	52,875
16-02-2008	16:33:06	915057,125	8,188	0,014	13,646	49,125
16-02-2008	16:43:06	915065,188	8,063	0,013	13,438	48,375
16-02-2008	16:53:06	915073,125	7,938	0,013	13,229	47,625

16-02-2008	17:03:06	915077,063	3,938	0,007	6,563	23,625
16-02-2008	17:13:06	915080,625	3,563	0,006	5,938	21,375
16-02-2008	17:23:06	915083,938	3,313	0,006	5,521	19,875
16-02-2008	17:33:06	915087,375	3,438	0,006	5,729	20,625
16-02-2008	17:43:06	915091,313	3,938	0,007	6,563	23,625
16-02-2008	17:53:06	915095,313	4,000	0,007	6,667	24,000
16-02-2008	18:03:07	915099,813	4,500	0,008	7,500	27,000
16-02-2008	18:13:07	915103,938	4,125	0,007	6,875	24,750
16-02-2008	18:23:07	915108,188	4,250	0,007	7,083	25,500
16-02-2008	18:33:07	915111,938	3,750	0,006	6,250	22,500
16-02-2008	18:43:07	915115,875	3,938	0,007	6,563	23,625
16-02-2008	18:53:07	915120,125	4,250	0,007	7,083	25,500
16-02-2008	19:03:07	915123,500	3,375	0,006	5,625	20,250
16-02-2008	19:13:07	915127,438	3,938	0,007	6,563	23,625
16-02-2008	19:23:07	915130,938	3,500	0,006	5,833	21,000
16-02-2008	19:33:07	915134,000	3,063	0,005	5,104	18,375
16-02-2008	19:43:07	915137,563	3,563	0,006	5,938	21,375
16-02-2008	19:53:07	915140,938	3,375	0,006	5,625	20,250
16-02-2008	20:03:07	915144,688	3,750	0,006	6,250	22,500
16-02-2008	20:13:07	915148,688	4,000	0,007	6,667	24,000
16-02-2008	20:23:07	915152,438	3,750	0,006	6,250	22,500
16-02-2008	20:33:07	915156,125	3,688	0,006	6,146	22,125
16-02-2008	20:43:07	915159,625	3,500	0,006	5,833	21,000
16-02-2008	20:53:07	915162,563	2,938	0,005	4,896	17,625
16-02-2008	21:03:07	915165,313	2,750	0,005	4,583	16,500
16-02-2008	21:13:07	915168,063	2,750	0,005	4,583	16,500
16-02-2008	21:23:07	915170,688	2,625	0,004	4,375	15,750
16-02-2008	21:33:07	915173,000	2,313	0,004	3,854	13,875
16-02-2008	21:43:07	915175,875	2,875	0,005	4,792	17,250
16-02-2008	21:53:07	915178,313	2,438	0,004	4,063	14,625
16-02-2008	22:03:07	915180,750	2,438	0,004	4,063	14,625
16-02-2008	22:13:07	915182,813	2,063	0,003	3,438	12,375
16-02-2008	22:23:07	915184,813	2,000	0,003	3,333	12,000
16-02-2008	22:33:07	915186,938	2,125	0,004	3,542	12,750
16-02-2008	22:43:07	915188,750	1,813	0,003	3,021	10,875
16-02-2008	22:53:07	915190,750	2,000	0,003	3,333	12,000
16-02-2008	23:03:07	915192,250	1,500	0,003	2,500	9,000
16-02-2008	23:13:07	915194,000	1,750	0,003	2,917	10,500
16-02-2008	23:23:07	915195,500	1,500	0,003	2,500	9,000
16-02-2008	23:33:08	915197,125	1,625	0,003	2,708	9,750
16-02-2008	23:43:08	915198,750	1,625	0,003	2,708	9,750
16-02-2008	23:53:08	915200,625	1,875	0,003	3,125	11,250
17-02-2008	00:00:15	915202,188	1,563	0,004	3,634	13,081

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
17-02-2008	00:00:15	915202,188				
17-02-2008	00:03:08	915202,688	0,500	0,003	2,857	10,286
17-02-2008	00:13:08	915204,438	1,750	0,003	2,917	10,500
17-02-2008	00:23:08	915207,813	3,375	0,006	5,625	20,250
17-02-2008	00:33:08	915212,875	5,063	0,008	8,438	30,375
17-02-2008	00:43:08	915214,000	1,125	0,002	1,875	6,750
17-02-2008	00:53:08	915215,125	1,125	0,002	1,875	6,750
17-02-2008	01:03:08	915216,500	1,375	0,002	2,292	8,250
17-02-2008	01:13:08	915217,375	0,875	0,001	1,458	5,250
17-02-2008	01:23:08	915218,438	1,063	0,002	1,771	6,375
17-02-2008	01:33:08	915219,813	1,375	0,002	2,292	8,250
17-02-2008	01:43:08	915221,500	1,688	0,003	2,813	10,125
17-02-2008	01:53:08	915222,313	0,813	0,001	1,354	4,875
17-02-2008	02:03:08	915223,375	1,063	0,002	1,771	6,375
17-02-2008	02:13:08	915225,188	1,813	0,003	3,021	10,875
17-02-2008	02:23:08	915225,188	0,000	0,000	0,000	0,000
17-02-2008	02:33:08	915225,188	0,000	0,000	0,000	0,000
17-02-2008	02:43:08	915225,188	0,000	0,000	0,000	0,000
17-02-2008	02:53:08	915225,188	0,000	0,000	0,000	0,000
17-02-2008	03:03:08	915225,188	0,000	0,000	0,000	0,000
17-02-2008	03:13:08	915225,188	0,000	0,000	0,000	0,000
17-02-2008	03:23:08	915225,188	0,000	0,000	0,000	0,000
17-02-2008	03:33:08	915225,188	0,000	0,000	0,000	0,000
17-02-2008	03:43:08	915225,188	0,000	0,000	0,000	0,000
17-02-2008	03:53:08	915225,188	0,000	0,000	0,000	0,000
17-02-2008	04:03:08	915225,188	0,000	0,000	0,000	0,000
17-02-2008	04:13:09	915225,188	0,000	0,000	0,000	0,000
17-02-2008	04:23:09	915225,188	0,000	0,000	0,000	0,000
17-02-2008	04:33:09	915225,188	0,000	0,000	0,000	0,000
17-02-2008	04:43:09	915225,188	0,000	0,000	0,000	0,000
17-02-2008	04:53:09	915225,188	0,000	0,000	0,000	0,000
17-02-2008	05:03:09	915225,188	0,000	0,000	0,000	0,000
17-02-2008	05:13:09	915225,188	0,000	0,000	0,000	0,000
17-02-2008	05:23:09	915225,188	0,000	0,000	0,000	0,000
17-02-2008	05:33:09	915225,875	0,688	0,001	1,146	4,125
17-02-2008	05:43:09	915227,438	1,563	0,003	2,604	9,375
17-02-2008	05:53:09	915228,125	0,688	0,001	1,146	4,125
17-02-2008	06:03:09	915228,125	0,000	0,000	0,000	0,000
17-02-2008	06:13:09	915228,125	0,000	0,000	0,000	0,000
17-02-2008	06:23:09	915228,250	0,125	0,000	0,208	0,750
17-02-2008	06:33:09	915228,313	0,063	0,000	0,104	0,375
17-02-2008	06:43:09	915228,313	0,000	0,000	0,000	0,000
17-02-2008	06:53:09	915228,313	0,000	0,000	0,000	0,000
17-02-2008	07:03:09	915228,375	0,063	0,000	0,104	0,375
17-02-2008	07:13:09	915228,438	0,063	0,000	0,104	0,375
17-02-2008	07:23:09	915229,000	0,563	0,001	0,938	3,375
17-02-2008	07:33:09	915229,375	0,375	0,001	0,625	2,250
17-02-2008	07:43:09	915230,563	1,188	0,002	1,979	7,125
17-02-2008	07:53:09	915232,375	1,813	0,003	3,021	10,875
17-02-2008	08:03:09	915234,125	1,750	0,003	2,917	10,500

17-02-2008	08:13:09	915236,250	2,125	0,004	3,542	12,750
17-02-2008	08:23:09	915238,563	2,313	0,004	3,854	13,875
17-02-2008	08:33:10	915240,875	2,313	0,004	3,854	13,875
17-02-2008	08:43:10	915247,563	6,688	0,011	11,146	40,125
17-02-2008	08:53:10	915254,438	6,875	0,011	11,458	41,250
17-02-2008	09:03:10	915261,375	6,938	0,012	11,563	41,625
17-02-2008	09:13:10	915268,313	6,938	0,012	11,563	41,625
17-02-2008	09:23:10	915275,250	6,938	0,012	11,563	41,625
17-02-2008	09:33:10	915283,063	7,813	0,013	13,021	46,875
17-02-2008	09:43:10	915290,625	7,563	0,013	12,604	45,375
17-02-2008	09:53:10	915298,688	8,063	0,013	13,438	48,375
17-02-2008	10:03:10	915306,688	8,000	0,013	13,333	48,000
17-02-2008	10:13:10	915314,500	7,813	0,013	13,021	46,875
17-02-2008	10:23:10	915322,813	8,313	0,014	13,854	49,875
17-02-2008	10:33:10	915331,000	8,188	0,014	13,646	49,125
17-02-2008	10:43:10	915339,438	8,438	0,014	14,063	50,625
17-02-2008	10:53:10	915347,563	8,125	0,014	13,542	48,750
17-02-2008	11:03:10	915355,938	8,375	0,014	13,958	50,250
17-02-2008	11:13:10	915363,688	7,750	0,013	12,917	46,500
17-02-2008	11:23:10	915371,938	8,250	0,014	13,750	49,500
17-02-2008	11:33:10	915380,063	8,125	0,014	13,542	48,750
17-02-2008	11:43:10	915388,375	8,313	0,014	13,854	49,875
17-02-2008	11:53:10	915396,750	8,375	0,014	13,958	50,250
17-02-2008	12:03:10	915404,938	8,188	0,014	13,646	49,125
17-02-2008	12:13:10	915409,063	4,125	0,007	6,875	24,750
17-02-2008	12:23:10	915412,938	3,875	0,006	6,458	23,250
17-02-2008	12:33:10	915416,375	3,438	0,006	5,729	20,625
17-02-2008	12:43:10	915420,563	4,188	0,007	6,979	25,125
17-02-2008	12:53:10	915423,813	3,250	0,005	5,417	19,500
17-02-2008	13:03:10	915427,188	3,375	0,006	5,625	20,250
17-02-2008	13:13:10	915430,125	2,938	0,005	4,896	17,625
17-02-2008	13:23:11	915433,063	2,938	0,005	4,896	17,625
17-02-2008	13:33:11	915436,000	2,938	0,005	4,896	17,625
17-02-2008	13:43:11	915438,813	2,813	0,005	4,688	16,875
17-02-2008	13:53:11	915441,688	2,875	0,005	4,792	17,250
17-02-2008	14:03:11	915444,875	3,188	0,005	5,313	19,125
17-02-2008	14:13:11	915448,063	3,188	0,005	5,313	19,125
17-02-2008	14:23:11	915451,625	3,563	0,006	5,938	21,375
17-02-2008	14:33:11	915454,688	3,063	0,005	5,104	18,375
17-02-2008	14:43:11	915458,250	3,563	0,006	5,938	21,375
17-02-2008	14:53:11	915461,375	3,125	0,005	5,208	18,750
17-02-2008	15:03:11	915464,000	2,625	0,004	4,375	15,750
17-02-2008	15:13:11	915466,375	2,375	0,004	3,958	14,250
17-02-2008	15:23:11	915468,938	2,563	0,004	4,271	15,375
17-02-2008	15:33:11	915471,500	2,563	0,004	4,271	15,375
17-02-2008	15:43:11	915473,625	2,125	0,004	3,542	12,750
17-02-2008	15:53:11	915475,375	1,750	0,003	2,917	10,500
17-02-2008	16:03:11	915477,438	2,063	0,003	3,438	12,375
17-02-2008	16:13:11	915482,688	5,250	0,009	8,750	31,500
17-02-2008	16:23:11	915489,250	6,563	0,011	10,938	39,375
17-02-2008	16:33:11	915495,750	6,500	0,011	10,833	39,000
17-02-2008	16:43:11	915502,125	6,375	0,011	10,625	38,250
17-02-2008	16:53:11	915508,625	6,500	0,011	10,833	39,000
17-02-2008	17:03:11	915515,188	6,563	0,011	10,938	39,375
17-02-2008	17:13:11	915522,313	7,125	0,012	11,875	42,750

17-02-2008	17:23:11	915528,938	6,625	0,011	11,042	39,750
17-02-2008	17:33:11	915536,063	7,125	0,012	11,875	42,750
17-02-2008	17:43:11	915542,813	6,750	0,011	11,250	40,500
17-02-2008	17:53:11	915549,500	6,688	0,011	11,146	40,125
17-02-2008	18:03:11	915556,063	6,563	0,011	10,938	39,375
17-02-2008	18:13:11	915562,750	6,688	0,011	11,146	40,125
17-02-2008	18:23:11	915569,375	6,625	0,011	11,042	39,750
17-02-2008	18:33:11	915576,063	6,688	0,011	11,146	40,125
17-02-2008	18:43:11	915582,688	6,625	0,011	11,042	39,750
17-02-2008	18:53:11	915589,063	6,375	0,011	10,625	38,250
17-02-2008	19:03:11	915595,688	6,625	0,011	11,042	39,750
17-02-2008	19:13:11	915602,125	6,438	0,011	10,729	38,625
17-02-2008	19:23:11	915608,875	6,750	0,011	11,250	40,500
17-02-2008	19:33:11	915615,500	6,625	0,011	11,042	39,750
17-02-2008	19:43:11	915622,250	6,750	0,011	11,250	40,500
17-02-2008	19:53:11	915628,313	6,063	0,010	10,104	36,375
17-02-2008	20:03:11	915630,563	2,250	0,004	3,750	13,500
17-02-2008	20:13:11	915633,000	2,438	0,004	4,063	14,625
17-02-2008	20:23:11	915635,500	2,500	0,004	4,167	15,000
17-02-2008	20:33:11	915637,813	2,313	0,004	3,854	13,875
17-02-2008	20:43:11	915640,000	2,188	0,004	3,646	13,125
17-02-2008	20:53:11	915642,188	2,188	0,004	3,646	13,125
17-02-2008	21:03:11	915644,375	2,188	0,004	3,646	13,125
17-02-2008	21:13:11	915646,500	2,125	0,004	3,542	12,750
17-02-2008	21:23:12	915648,750	2,250	0,004	3,750	13,500
17-02-2008	21:33:12	915650,938	2,188	0,004	3,646	13,125
17-02-2008	21:43:12	915653,188	2,250	0,004	3,750	13,500
17-02-2008	21:53:12	915655,438	2,250	0,004	3,750	13,500
17-02-2008	22:03:12	915657,563	2,125	0,004	3,542	12,750
17-02-2008	22:13:12	915659,688	2,125	0,004	3,542	12,750
17-02-2008	22:23:12	915661,688	2,000	0,003	3,333	12,000
17-02-2008	22:33:12	915663,250	1,563	0,003	2,604	9,375
17-02-2008	22:43:12	915665,063	1,813	0,003	3,021	10,875
17-02-2008	22:53:12	915666,875	1,813	0,003	3,021	10,875
17-02-2008	23:03:12	915668,813	1,938	0,003	3,229	11,625
17-02-2008	23:13:12	915669,938	1,125	0,002	1,875	6,750
17-02-2008	23:23:12	915671,625	1,688	0,003	2,813	10,125
17-02-2008	23:33:12	915672,813	1,188	0,002	1,979	7,125
17-02-2008	23:43:12	915674,000	1,188	0,002	1,979	7,125
17-02-2008	23:53:12	915675,375	1,375	0,002	2,292	8,250
18-02-2008	00:00:04	915675,938	0,563	0,001	1,349	4,856

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	15-Fev	16-Fev	17-Fev	Caudais Médios m3/h	Caudal Médio Horário	Factor de Consumo
Hora	Caudal (m3/h)											
00:00-00:10	9,677	11,500	11,000	4,875	2,625	8,250	5,250	8,625	10,500	8,034	7,283	0,521
00:10-00:20	2,250	10,500	3,750	4,500	3,375	8,250	5,250	19,875	20,250	8,667		0,562
00:20-00:30	6,000	11,250	1,125	6,375	4,500	3,375	4,125	30,750	30,375	10,875		0,705
00:30-00:40	4,500	10,500	1,125	5,625	9,375	5,625	4,500	10,500	6,750	6,500		0,422
00:40-00:50	3,375	2,625	1,500	3,375	7,500	4,500	10,125	3,000	6,750	4,750		0,308
00:50-01:00	3,000	10,125	3,750	1,500	3,000	5,250	7,875	1,125	8,250	4,875		0,316
01:00-01:10	7,125	3,000	0,000	1,500	2,250	2,625	0,750	1,125	5,250	2,625	5,799	0,170
01:10-01:20	5,250	6,375	0,000	0,750	0,750	2,625	3,750	7,125	6,375	3,667		0,238
01:20-01:30	7,500	10,125	8,250	8,250	9,000	6,750	6,000	6,000	8,250	7,792		0,505
01:30-01:40	3,375	6,000	3,375	7,500	7,875	9,000	9,000	9,375	10,125	7,292		0,473
01:40-01:50	7,500	8,250	6,750	3,375	4,500	3,750	4,125	5,250	4,875	5,375		0,349
01:50-02:00	9,375	12,375	9,375	8,625	8,625	6,000	6,000	5,625	6,375	8,042		0,521
02:00-02:10	3,750	6,000	3,375	7,125	8,250	9,375	8,625	9,375	10,875	7,417	1,743	0,481
02:10-02:20	6,750	7,500	6,000	1,500	1,125	0,000	0,000	0,375	0,000	2,583		0,168
02:20-02:30	0,000	2,625	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,292		0,019
02:30-02:40	0,000	1,125	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,125		0,008
02:40-02:50	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,375	0,000	0,042		0,003
02:50-03:00	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000		0,000
03:00-03:10	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,007	0,000
03:10-03:20	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000		0,000
03:20-03:30	0,000	0,375	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,042		0,003
03:30-03:40	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000		0,000
03:40-03:50	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000		0,000
03:50-04:00	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000		0,000
04:00-04:10	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,264	0,000
04:10-04:20	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000		0,000
04:20-04:30	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000		0,000
04:30-04:40	0,000	0,000	0,000	0,000	0,000	0,000	0,375	0,000	0,000	0,042		0,003
04:40-04:50	0,000	0,000	0,000	0,000	0,000	0,000	4,125	0,000	0,000	0,458		0,030
04:50-05:00	0,000	0,000	0,000	0,000	0,375	0,000	9,375	0,000	0,000	1,083		0,070
05:00-05:10	0,375	0,000	2,625	0,000	0,000	0,000	6,000	0,000	0,000	1,000	1,104	0,065
05:10-05:20	6,000	0,000	9,000	0,000	0,000	0,000	0,000	0,000	0,000	1,667		0,108
05:20-05:30	1,500	0,000	4,875	0,000	0,000	0,000	0,000	0,000	4,125	1,167		0,076
05:30-05:40	0,000	0,000	0,000	0,000	0,000	0,000	0,000	1,500	9,375	1,208		0,078
05:40-05:50	0,000	0,000	0,000	0,000	0,000	0,000	0,000	9,375	4,125	1,500		0,097
05:50-06:00	0,000	0,000	0,375	0,000	0,000	0,000	0,000	0,375	0,000	0,083		0,005
06:00-06:10	0,000	0,000	0,000	0,000	0,375	0,000	0,375	0,000	0,000	0,083	2,674	0,005
06:10-06:20	0,000	0,000	1,500	0,000	1,875	1,500	1,125	0,000	0,750	0,750		0,049
06:20-06:30	0,000	0,000	1,875	1,500	3,750	0,375	1,875	0,000	0,375	1,083		0,070
06:30-06:40	0,375	0,000	2,250	1,500	3,375	6,000	4,500	0,000	0,000	2,000		0,130
06:40-06:50	0,000	0,000	9,375	8,625	7,500	10,875	8,250	0,000	0,000	4,958		0,322
06:50-07:00	4,500	0,000	10,125	12,375	12,375	11,625	11,625	1,500	0,375	7,167		0,465
07:00-07:10	4,125	0,000	12,375	13,125	15,750	13,500	15,375	3,750	0,375	8,708	12,611	0,565
07:10-07:20	1,500	0,750	14,250	15,750	18,375	16,125	16,125	9,000	3,375	10,583		0,686
07:20-07:30	6,750	3,375	14,625	14,250	14,250	16,500	15,000	7,500	2,250	10,500		0,681
07:30-07:40	10,500	3,375	16,875	17,250	20,250	17,625	17,625	12,000	7,125	13,625		0,884
07:40-07:50	10,875	11,625	18,750	16,875	20,625	17,625	19,500	15,000	10,875	15,750		1,021
07:50-08:00	12,000	12,750	21,000	18,375	19,125	19,125	18,000	17,625	10,500	16,500		1,070

08:00-08:10	12,000	12,750	18,375	17,250	16,500	16,125	19,125	17,250	12,750	15,792	17,125	1,024
08:10-08:20	13,500	13,125	16,875	16,875	16,125	17,250	17,625	16,875	13,875	15,792		1,024
08:20-08:30	15,000	13,125	14,625	16,500	16,125	17,250	18,750	18,000	13,875	15,917		1,032
08:30-08:40	13,875	14,250	13,500	16,875	13,875	12,750	16,500	15,750	40,125	17,500		1,135
08:40-08:50	16,875	15,000	13,500	18,000	13,500	15,375	16,125	19,125	41,250	18,750		1,216
08:50-09:00	20,625	15,375	13,500	12,750	13,125	19,875	13,875	20,250	41,625	19,000		1,232
09:00-09:10	19,500	15,375	15,375	13,500	17,250	18,375	15,000	22,125	41,625	19,792	22,125	1,283
09:10-09:20	18,000	17,250	18,375	17,625	18,375	17,250	16,500	22,500	41,625	20,833		1,351
09:20-09:30	20,625	17,250	19,875	21,750	17,625	18,375	15,375	23,250	46,875	22,333		1,448
09:30-09:40	26,250	15,375	19,500	25,125	18,375	17,625	19,500	22,875	45,375	23,333		1,513
09:40-09:50	22,875	18,000	18,750	25,875	16,500	15,000	22,875	22,875	48,375	23,458		1,521
09:50-10:00	19,500	18,375	20,250	21,375	16,875	18,375	20,625	23,625	48,000	23,000		1,492
10:00-10:10	23,625	21,375	18,750	18,375	15,000	14,625	24,000	19,875	46,875	22,500	24,417	1,459
10:10-10:20	23,250	26,625	18,375	18,750	17,625	16,125	20,625	18,000	49,875	23,250		1,508
10:20-10:30	27,000	27,000	20,250	19,125	14,250	20,625	19,125	18,000	49,125	23,833		1,546
10:30-10:40	30,375	25,125	18,375	19,500	13,125	18,750	17,250	22,500	50,625	23,958		1,554
10:40-10:50	30,000	33,750	16,500	19,875	18,000	19,875	22,500	23,250	48,750	25,833		1,675
10:50-11:00	29,625	49,875	16,125	16,125	20,625	20,625	18,375	22,500	50,250	27,125		1,759
11:00-11:10	28,125	46,875	17,625	16,500	36,375	21,750	19,500	24,000	46,500	28,583	30,819	1,854
11:10-11:20	31,500	48,750	13,500	15,750	43,875	21,000	21,375	25,125	49,500	30,042		1,948
11:20-11:30	29,625	50,625	17,250	13,500	40,125	22,875	16,875	28,875	48,750	29,833		1,935
11:30-11:40	54,750	47,625	13,875	15,750	29,625	21,000	18,375	28,875	49,875	31,083		2,016
11:40-11:50	55,125	51,750	35,250	15,375	23,250	18,000	15,750	26,250	50,250	32,333		2,097
11:50-12:00	54,375	52,125	43,500	16,500	16,125	18,000	17,250	30,375	49,125	33,042		2,143
12:00-12:10	59,250	50,250	43,500	15,750	16,125	14,625	15,000	27,000	24,750	29,583	23,313	1,918
12:10-12:20	27,000	51,375	44,625	16,500	19,875	15,000	17,625	27,375	23,250	26,958		1,748
12:20-12:30	24,000	51,375	22,875	17,625	22,875	13,500	16,500	26,625	20,625	24,000		1,556
12:30-12:40	20,625	24,000	13,875	19,875	23,250	13,875	18,375	25,500	25,125	20,500		1,329
12:40-12:50	23,250	22,875	14,250	20,625	15,750	14,625	16,875	24,375	19,500	19,125		1,240
12:50-13:00	20,250	34,500	14,250	19,125	17,250	14,625	15,375	21,750	20,250	19,708		1,278
13:00-13:10	21,375	46,500	14,625	15,000	16,125	14,625	15,375	21,375	17,625	20,292	19,097	1,316
13:10-13:20	22,500	47,250	15,750	15,000	16,125	15,750	15,750	22,125	17,625	20,875		1,354
13:20-13:30	20,250	45,375	15,375	15,750	14,625	14,250	16,125	23,625	17,625	20,333		1,319
13:30-13:40	19,500	34,875	13,875	16,875	15,375	13,875	13,875	20,250	16,875	18,375		1,192
13:40-13:50	20,250	17,625	12,375	16,500	15,375	14,250	13,875	19,500	17,250	16,333		1,059
13:50-14:00	24,000	18,750	14,625	16,875	17,250	17,250	14,625	22,875	19,125	18,375		1,192
14:00-14:10	23,250	18,750	12,750	15,375	16,500	16,500	13,500	24,375	19,125	17,792	19,771	1,154
14:10-14:20	25,125	20,250	14,250	22,125	12,750	18,375	18,000	26,250	21,375	19,833		1,286
14:20-14:30	32,625	19,875	14,250	21,750	10,875	16,875	15,375	27,750	18,375	19,750		1,281
14:30-14:40	25,875	18,750	19,125	19,875	18,750	16,875	16,125	24,375	21,375	20,125		1,305
14:40-14:50	27,000	18,375	16,875	17,250	37,500	14,250	13,875	21,750	18,750	20,625		1,338
14:50-15:00	27,000	19,125	13,500	16,875	37,875	17,250	14,250	22,875	15,750	20,500		1,329
15:00-15:10	29,625	16,500	13,125	11,625	38,625	14,625	15,750	48,375	14,250	22,500	21,979	1,459
15:10-15:20	23,625	15,375	11,250	8,250	41,625	16,125	16,875	51,375	15,375	22,208		1,440
15:20-15:30	25,125	14,625	13,500	10,500	41,250	14,625	15,750	49,125	15,375	22,208		1,440
15:30-15:40	22,125	12,375	11,625	10,875	40,500	16,125	14,250	50,625	12,750	21,250		1,378
15:40-15:50	28,125	13,125	10,125	11,625	37,125	16,500	14,625	49,875	10,500	21,292		1,381
15:50-16:00	30,000	12,000	12,000	15,750	25,125	15,000	28,500	51,000	12,375	22,417		1,454
16:00-16:10	26,625	11,625	10,500	12,000	21,750	14,250	40,875	50,625	31,500	24,417	23,069	1,583
16:10-16:20	30,000	13,500	9,750	11,250	13,875	14,250	40,500	52,875	39,375	25,042		1,624
16:20-16:30	30,000	13,125	6,375	14,625	13,500	14,625	19,125	49,125	39,000	22,167		1,437
16:30-16:40	27,750	13,125	15,000	14,625	14,250	13,500	16,875	48,375	38,250	22,417		1,454
16:40-16:50	29,625	12,750	12,750	14,250	13,500	13,125	16,125	47,625	39,000	22,083		1,432
16:50-17:00	27,000	11,250	10,500	19,875	13,875	35,250	19,875	23,625	39,375	22,292		1,446

17:00-17:10	27,750	12,375	11,250	17,625	16,125	37,875	19,125	21,375	42,750	22,917	27,299	1,486
17:10-17:20	52,875	12,375	13,125	13,875	33,000	40,875	19,125	19,875	39,750	27,208		1,764
17:20-17:30	52,875	12,000	13,500	16,125	41,625	42,375	16,875	20,625	42,750	28,750		1,864
17:30-17:40	50,250	13,500	7,875	19,875	40,125	41,625	18,000	23,625	40,500	28,375		1,840
17:40-17:50	49,125	12,375	10,500	15,375	40,875	43,500	14,625	24,000	40,125	27,833		1,805
17:50-18:00	51,000	12,750	8,250	16,125	41,625	43,875	18,375	27,000	39,375	28,708		1,862
18:00-18:10	26,250	15,000	13,875	13,875	45,000	27,000	23,625	24,750	40,125	25,500	26,826	1,654
18:10-18:20	40,500	12,375	12,750	16,125	44,250	45,375	22,125	25,500	39,750	28,750		1,864
18:20-18:30	46,500	12,750	14,250	15,375	44,250	43,500	16,125	22,500	40,125	28,375		1,840
18:30-18:40	45,375	11,625	15,375	18,000	43,875	42,750	16,500	23,625	39,750	28,542		1,851
18:40-18:50	24,000	13,875	18,750	16,125	43,875	42,375	16,125	25,500	38,250	26,542		1,721
18:50-19:00	22,125	14,625	14,250	15,750	20,250	45,000	17,250	20,250	39,750	23,250		1,508
19:00-19:10	21,750	14,250	13,875	19,875	16,875	46,500	20,250	23,625	38,625	23,958	23,139	1,554
19:10-19:20	39,750	12,750	16,125	21,750	17,250	44,250	20,625	21,000	40,500	26,000		1,686
19:20-19:30	47,625	12,375	15,375	19,875	19,500	18,000	18,000	18,375	39,750	23,208		1,505
19:30-19:40	48,375	13,875	16,875	20,625	19,125	17,625	20,250	21,375	40,500	24,292		1,575
19:40-19:50	49,500	13,500	19,125	16,875	19,500	18,000	19,125	20,250	36,375	23,583		1,529
19:50-20:00	22,125	13,500	17,250	16,125	17,250	18,750	19,125	22,500	13,500	17,792		1,154
20:00-20:10	21,000	15,000	19,875	19,125	18,000	16,875	21,375	24,000	14,625	18,875	20,097	1,224
20:10-20:20	33,375	16,500	21,375	19,125	21,000	18,375	20,250	22,500	15,000	20,833		1,351
20:20-20:30	46,875	18,375	17,250	17,625	18,750	18,375	19,875	22,125	13,875	21,458		1,392
20:30-20:40	43,500	15,750	17,250	17,250	18,750	16,875	19,500	21,000	13,125	20,333		1,319
20:40-20:50	45,000	18,375	16,125	17,250	19,500	16,500	15,750	17,625	13,125	19,917		1,292
20:50-21:00	34,875	18,000	18,375	16,875	19,125	16,125	19,500	16,500	13,125	19,167		1,243
21:00-21:10	16,125	18,375	17,625	16,500	16,875	15,000	19,125	16,500	12,750	16,542	15,590	1,073
21:10-21:20	15,375	18,375	16,500	16,500	16,500	13,875	16,125	15,750	13,500	15,833		1,027
21:20-21:30	16,500	15,750	16,500	17,625	17,250	13,875	16,125	13,875	13,125	15,625		1,013
21:30-21:40	15,000	16,875	14,625	16,125	15,750	15,375	18,750	17,250	13,500	15,917		1,032
21:40-21:50	12,750	17,250	13,125	16,500	17,250	15,000	14,250	14,625	13,500	14,917		0,967
21:50-22:00	15,375	13,875	13,875	16,500	16,125	15,000	14,250	14,625	12,750	14,708		0,954
22:00-22:10	14,625	15,375	13,875	15,750	14,250	13,875	12,750	12,375	12,750	13,958	13,236	0,905
22:10-22:20	12,375	16,125	12,375	15,000	12,750	13,500	13,500	12,000	12,000	13,292		0,862
22:20-22:30	13,500	15,375	15,750	13,500	13,500	13,875	12,375	12,750	9,375	13,333		0,865
22:30-22:40	14,625	16,125	11,625	12,750	12,375	12,000	13,875	10,875	10,875	12,792		0,830
22:40-22:50	12,000	16,125	12,750	15,000	14,250	12,375	13,500	12,000	10,875	13,208		0,857
22:50-23:00	11,625	15,375	12,750	15,750	13,125	12,000	14,250	9,000	11,625	12,833		0,832
23:00-23:10	11,250	14,625	12,750	12,750	12,000	13,500	13,125	10,500	6,750	11,917	10,702	0,773
23:10-23:20	12,000	14,250	10,500	12,375	11,625	10,875	13,125	9,000	10,125	11,542		0,748
23:20-23:30	12,750	11,625	9,000	10,500	11,250	12,000	12,375	9,750	7,125	10,708		0,694
23:30-23:40	9,375	12,375	10,125	9,375	9,000	13,500	10,875	9,750	7,125	10,167		0,659
23:40-23:50	12,000	11,625	8,625	9,750	11,250	10,125	13,125	11,250	8,250	10,667		0,692
23:50-00:00	12,375	12,750	5,294	10,385	8,182	4,235	11,761	13,081	4,856	9,213		0,597

Caudal Médio Diário = 15,420 m3/h

Consumo Diário *F.C.Porto*
Caudal (m3/h)
35
30
25
20
15
10
5
0
00:00-00:10
00:40-00:50
01:20-01:30
02:00-02:10
02:40-02:50
03:20-03:30
04:00-04:10
04:40-04:50
05:20-05:30
06:00-06:10
06:40-06:50
07:20-07:30
08:00-08:10
08:40-08:50
09:20-09:30
10:00-10:10
10:40-10:50
11:20-11:30
12:00-12:10
12:40-12:50
13:20-13:30
14:00-14:10
14:40-14:50
15:20-15:30
16:00-16:10
16:40-16:50
17:20-17:30
18:00-18:10
18:40-18:50
19:20-19:30
20:00-20:10
20:40-20:50
21:20-21:30
22:00-22:10
22:40-22:50
23:20-23:30
Hora

Consumo Médio Horário *F.C.Porto*
Caudal (m3/h)
35
30
25
20
15
10
5
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CAUDAIS

Jovim – Nova Sintra (saída de Jovim)

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	4615606,000				
09-02-2008	00:07:45	4615700,000	94,000	0,203	202,586	729,310
09-02-2008	00:17:45	4615819,000	119,000	0,198	198,333	714,000
09-02-2008	00:27:45	4615939,000	120,000	0,200	200,000	720,000
09-02-2008	00:37:45	4616059,000	120,000	0,200	200,000	720,000
09-02-2008	00:47:45	4616179,000	120,000	0,200	200,000	720,000
09-02-2008	00:57:46	4616298,000	119,000	0,198	198,333	714,000
09-02-2008	01:07:46	4616419,000	121,000	0,202	201,667	726,000
09-02-2008	01:17:46	4616539,000	120,000	0,200	200,000	720,000
09-02-2008	01:27:46	4616659,000	120,000	0,200	200,000	720,000
09-02-2008	01:37:46	4616779,000	120,000	0,200	200,000	720,000
09-02-2008	01:47:46	4616898,000	119,000	0,198	198,333	714,000
09-02-2008	01:57:46	4617018,000	120,000	0,200	200,000	720,000
09-02-2008	02:07:46	4617137,000	119,000	0,198	198,333	714,000
09-02-2008	02:17:46	4617257,000	120,000	0,200	200,000	720,000
09-02-2008	02:27:46	4617376,000	119,000	0,198	198,333	714,000
09-02-2008	02:37:46	4617496,000	120,000	0,200	200,000	720,000
09-02-2008	02:47:46	4617615,000	119,000	0,198	198,333	714,000
09-02-2008	02:57:46	4617736,000	121,000	0,202	201,667	726,000
09-02-2008	03:07:46	4617854,000	118,000	0,197	196,667	708,000
09-02-2008	03:17:46	4617974,000	120,000	0,200	200,000	720,000
09-02-2008	03:27:46	4618094,000	120,000	0,200	200,000	720,000
09-02-2008	03:37:46	4618213,000	119,000	0,198	198,333	714,000
09-02-2008	03:47:46	4618333,000	120,000	0,200	200,000	720,000
09-02-2008	03:57:46	4618452,000	119,000	0,198	198,333	714,000
09-02-2008	04:07:46	4618572,000	120,000	0,200	200,000	720,000
09-02-2008	04:17:46	4618691,000	119,000	0,198	198,333	714,000
09-02-2008	04:27:46	4618811,000	120,000	0,200	200,000	720,000
09-02-2008	04:37:46	4618932,000	121,000	0,202	201,667	726,000
09-02-2008	04:47:46	4619052,000	120,000	0,200	200,000	720,000
09-02-2008	04:57:46	4619171,000	119,000	0,198	198,333	714,000
09-02-2008	05:07:46	4619291,000	120,000	0,200	200,000	720,000
09-02-2008	05:17:46	4619411,000	120,000	0,200	200,000	720,000
09-02-2008	05:27:47	4619531,000	120,000	0,200	200,000	720,000
09-02-2008	05:37:47	4619651,000	120,000	0,200	200,000	720,000
09-02-2008	05:47:47	4619771,000	120,000	0,200	200,000	720,000
09-02-2008	05:57:47	4619891,000	120,000	0,200	200,000	720,000
09-02-2008	06:07:47	4620011,000	120,000	0,200	200,000	720,000
09-02-2008	06:17:47	4620131,000	120,000	0,200	200,000	720,000
09-02-2008	06:27:47	4620251,000	120,000	0,200	200,000	720,000
09-02-2008	06:37:47	4620371,000	120,000	0,200	200,000	720,000
09-02-2008	06:47:47	4620491,000	120,000	0,200	200,000	720,000
09-02-2008	06:57:47	4620612,000	121,000	0,202	201,667	726,000
09-02-2008	07:07:47	4620732,000	120,000	0,200	200,000	720,000
09-02-2008	07:17:47	4620852,000	120,000	0,200	200,000	720,000
09-02-2008	07:27:47	4620972,000	120,000	0,200	200,000	720,000
09-02-2008	07:37:47	4621092,000	120,000	0,200	200,000	720,000
09-02-2008	07:47:47	4621212,000	120,000	0,200	200,000	720,000
09-02-2008	07:57:47	4621332,000	120,000	0,200	200,000	720,000

09-02-2008	08:07:47	4621453,000	121,000	0,202	201,667	726,000
09-02-2008	08:17:47	4621572,000	119,000	0,198	198,333	714,000
09-02-2008	08:27:47	4621692,000	120,000	0,200	200,000	720,000
09-02-2008	08:37:47	4621812,000	120,000	0,200	200,000	720,000
09-02-2008	08:47:47	4621932,000	120,000	0,200	200,000	720,000
09-02-2008	08:57:47	4622052,000	120,000	0,200	200,000	720,000
09-02-2008	09:07:47	4622172,000	120,000	0,200	200,000	720,000
09-02-2008	09:17:47	4622291,000	119,000	0,198	198,333	714,000
09-02-2008	09:27:47	4622410,000	119,000	0,198	198,333	714,000
09-02-2008	09:37:47	4622531,000	121,000	0,202	201,667	726,000
09-02-2008	09:47:47	4622651,000	120,000	0,200	200,000	720,000
09-02-2008	09:57:47	4622771,000	120,000	0,200	200,000	720,000
09-02-2008	10:07:47	4622891,000	120,000	0,200	200,000	720,000
09-02-2008	10:17:47	4623011,000	120,000	0,200	200,000	720,000
09-02-2008	10:27:47	4623131,000	120,000	0,200	200,000	720,000
09-02-2008	10:37:47	4623251,000	120,000	0,200	200,000	720,000
09-02-2008	10:47:47	4623371,000	120,000	0,200	200,000	720,000
09-02-2008	10:57:47	4623493,000	122,000	0,203	203,333	732,000
09-02-2008	11:07:47	4623612,000	119,000	0,198	198,333	714,000
09-02-2008	11:17:47	4623733,000	121,000	0,202	201,667	726,000
09-02-2008	11:27:47	4623854,000	121,000	0,202	201,667	726,000
09-02-2008	11:37:47	4623974,000	120,000	0,200	200,000	720,000
09-02-2008	11:47:47	4624095,000	121,000	0,202	201,667	726,000
09-02-2008	11:57:47	4624217,000	122,000	0,203	203,333	732,000
09-02-2008	12:07:47	4624337,000	120,000	0,200	200,000	720,000
09-02-2008	12:17:47	4624458,000	121,000	0,202	201,667	726,000
09-02-2008	12:27:47	4624580,000	122,000	0,203	203,333	732,000
09-02-2008	12:37:47	4624701,000	121,000	0,202	201,667	726,000
09-02-2008	12:47:47	4624822,000	121,000	0,202	201,667	726,000
09-02-2008	12:57:48	4624943,000	121,000	0,202	201,667	726,000
09-02-2008	13:07:48	4625064,000	121,000	0,202	201,667	726,000
09-02-2008	13:17:48	4625184,000	120,000	0,200	200,000	720,000
09-02-2008	13:27:48	4625305,000	121,000	0,202	201,667	726,000
09-02-2008	13:37:48	4625426,000	121,000	0,202	201,667	726,000
09-02-2008	13:47:48	4625546,000	120,000	0,200	200,000	720,000
09-02-2008	13:57:48	4625666,000	120,000	0,200	200,000	720,000
09-02-2008	14:07:48	4625787,000	121,000	0,202	201,667	726,000
09-02-2008	14:17:48	4625908,000	121,000	0,202	201,667	726,000
09-02-2008	14:27:48	4626027,000	119,000	0,198	198,333	714,000
09-02-2008	14:37:48	4626147,000	120,000	0,200	200,000	720,000
09-02-2008	14:47:48	4626269,000	122,000	0,203	203,333	732,000
09-02-2008	14:57:48	4626388,000	119,000	0,198	198,333	714,000
09-02-2008	15:07:48	4626508,000	120,000	0,200	200,000	720,000
09-02-2008	15:17:48	4626629,000	121,000	0,202	201,667	726,000
09-02-2008	15:27:48	4626749,000	120,000	0,200	200,000	720,000
09-02-2008	15:37:48	4626869,000	120,000	0,200	200,000	720,000
09-02-2008	15:47:48	4626988,000	119,000	0,198	198,333	714,000
09-02-2008	15:57:48	4627108,000	120,000	0,200	200,000	720,000
09-02-2008	16:07:48	4627228,000	120,000	0,200	200,000	720,000
09-02-2008	16:17:48	4627348,000	120,000	0,200	200,000	720,000
09-02-2008	16:27:48	4627469,000	121,000	0,202	201,667	726,000
09-02-2008	16:37:48	4627588,000	119,000	0,198	198,333	714,000
09-02-2008	16:47:48	4627708,000	120,000	0,200	200,000	720,000
09-02-2008	16:57:48	4627828,000	120,000	0,200	200,000	720,000
09-02-2008	17:07:48	4627948,000	120,000	0,200	200,000	720,000

09-02-2008	17:17:48	4628066,000	118,000	0,197	196,667	708,000
09-02-2008	17:27:48	4628187,000	121,000	0,202	201,667	726,000
09-02-2008	17:37:48	4628306,000	119,000	0,198	198,333	714,000
09-02-2008	17:47:48	4628424,000	118,000	0,197	196,667	708,000
09-02-2008	17:57:48	4628545,000	121,000	0,202	201,667	726,000
09-02-2008	18:07:48	4628664,000	119,000	0,198	198,333	714,000
09-02-2008	18:17:48	4628784,000	120,000	0,200	200,000	720,000
09-02-2008	18:27:48	4628903,000	119,000	0,198	198,333	714,000
09-02-2008	18:37:48	4629023,000	120,000	0,200	200,000	720,000
09-02-2008	18:47:48	4629142,000	119,000	0,198	198,333	714,000
09-02-2008	18:57:48	4629262,000	120,000	0,200	200,000	720,000
09-02-2008	19:07:48	4629382,000	120,000	0,200	200,000	720,000
09-02-2008	19:17:48	4629502,000	120,000	0,200	200,000	720,000
09-02-2008	19:27:48	4629622,000	120,000	0,200	200,000	720,000
09-02-2008	19:37:49	4629741,000	119,000	0,198	198,333	714,000
09-02-2008	19:47:49	4629861,000	120,000	0,200	200,000	720,000
09-02-2008	19:57:49	4629982,000	121,000	0,202	201,667	726,000
09-02-2008	20:07:49	4630102,000	120,000	0,200	200,000	720,000
09-02-2008	20:17:49	4630221,000	119,000	0,198	198,333	714,000
09-02-2008	20:27:49	4630342,000	121,000	0,202	201,667	726,000
09-02-2008	20:37:49	4630462,000	120,000	0,200	200,000	720,000
09-02-2008	20:47:49	4630582,000	120,000	0,200	200,000	720,000
09-02-2008	20:57:49	4630702,000	120,000	0,200	200,000	720,000
09-02-2008	21:07:49	4630822,000	120,000	0,200	200,000	720,000
09-02-2008	21:17:49	4630943,000	121,000	0,202	201,667	726,000
09-02-2008	21:27:49	4631063,000	120,000	0,200	200,000	720,000
09-02-2008	21:37:49	4631183,000	120,000	0,200	200,000	720,000
09-02-2008	21:47:49	4631303,000	120,000	0,200	200,000	720,000
09-02-2008	21:57:49	4631424,000	121,000	0,202	201,667	726,000
09-02-2008	22:07:49	4631545,000	121,000	0,202	201,667	726,000
09-02-2008	22:17:49	4631665,000	120,000	0,200	200,000	720,000
09-02-2008	22:27:49	4631786,000	121,000	0,202	201,667	726,000
09-02-2008	22:37:49	4631906,000	120,000	0,200	200,000	720,000
09-02-2008	22:47:49	4632028,000	122,000	0,203	203,333	732,000
09-02-2008	22:57:49	4632149,000	121,000	0,202	201,667	726,000
09-02-2008	23:07:49	4632269,000	120,000	0,200	200,000	720,000
09-02-2008	23:17:49	4632391,000	122,000	0,203	203,333	732,000
09-02-2008	23:27:49	4632512,000	121,000	0,202	201,667	726,000
09-02-2008	23:37:49	4632633,000	121,000	0,202	201,667	726,000
09-02-2008	23:47:49	4632755,000	122,000	0,203	203,333	732,000
09-02-2008	23:57:49	4632876,000	121,000	0,202	201,667	726,000
10-02-2008	00:00:26	4632907,000	31,000	0,197	197,452	710,828

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:26	4632907,000				
10-02-2008	00:07:49	4632997,000	90,000	0,203	203,160	731,377
10-02-2008	00:17:49	4633118,000	121,000	0,202	201,667	726,000
10-02-2008	00:27:49	4633239,000	121,000	0,202	201,667	726,000
10-02-2008	00:37:49	4633362,000	123,000	0,205	205,000	738,000
10-02-2008	00:47:49	4633482,000	120,000	0,200	200,000	720,000
10-02-2008	00:57:49	4633604,000	122,000	0,203	203,333	732,000
10-02-2008	01:07:50	4633725,000	121,000	0,202	201,667	726,000
10-02-2008	01:17:50	4633846,000	121,000	0,202	201,667	726,000
10-02-2008	01:27:50	4633967,000	121,000	0,202	201,667	726,000
10-02-2008	01:37:50	4634087,000	120,000	0,200	200,000	720,000
10-02-2008	01:47:50	4634208,000	121,000	0,202	201,667	726,000
10-02-2008	01:57:50	4634328,000	120,000	0,200	200,000	720,000
10-02-2008	02:07:50	4634450,000	122,000	0,203	203,333	732,000
10-02-2008	02:17:50	4634570,000	120,000	0,200	200,000	720,000
10-02-2008	02:27:50	4634690,000	120,000	0,200	200,000	720,000
10-02-2008	02:37:50	4634812,000	122,000	0,203	203,333	732,000
10-02-2008	02:47:50	4634932,000	120,000	0,200	200,000	720,000
10-02-2008	02:57:50	4635052,000	120,000	0,200	200,000	720,000
10-02-2008	03:07:50	4635173,000	121,000	0,202	201,667	726,000
10-02-2008	03:17:51	4635293,000	120,000	0,200	200,000	720,000
10-02-2008	03:27:51	4635413,000	120,000	0,200	200,000	720,000
10-02-2008	03:37:51	4635535,000	122,000	0,203	203,333	732,000
10-02-2008	03:47:51	4635654,000	119,000	0,198	198,333	714,000
10-02-2008	03:57:51	4635774,000	120,000	0,200	200,000	720,000
10-02-2008	04:07:51	4635895,000	121,000	0,202	201,667	726,000
10-02-2008	04:17:51	4636015,000	120,000	0,200	200,000	720,000
10-02-2008	04:27:51	4636135,000	120,000	0,200	200,000	720,000
10-02-2008	04:37:51	4636255,000	120,000	0,200	200,000	720,000
10-02-2008	04:47:51	4636375,000	120,000	0,200	200,000	720,000
10-02-2008	04:57:51	4636495,000	120,000	0,200	200,000	720,000
10-02-2008	05:07:51	4636615,000	120,000	0,200	200,000	720,000
10-02-2008	05:17:51	4636735,000	120,000	0,200	200,000	720,000
10-02-2008	05:27:51	4636855,000	120,000	0,200	200,000	720,000
10-02-2008	05:37:52	4636974,000	119,000	0,198	198,333	714,000
10-02-2008	05:47:52	4637094,000	120,000	0,200	200,000	720,000
10-02-2008	05:57:52	4637215,000	121,000	0,202	201,667	726,000
10-02-2008	06:07:52	4637334,000	119,000	0,198	198,333	714,000
10-02-2008	06:17:52	4637454,000	120,000	0,200	200,000	720,000
10-02-2008	06:27:52	4637574,000	120,000	0,200	200,000	720,000
10-02-2008	06:37:52	4637693,000	119,000	0,198	198,333	714,000
10-02-2008	06:47:52	4637813,000	120,000	0,200	200,000	720,000
10-02-2008	06:57:52	4637933,000	120,000	0,200	200,000	720,000
10-02-2008	07:07:52	4638053,000	120,000	0,200	200,000	720,000
10-02-2008	07:17:52	4638173,000	120,000	0,200	200,000	720,000
10-02-2008	07:27:52	4638293,000	120,000	0,200	200,000	720,000
10-02-2008	07:37:52	4638413,000	120,000	0,200	200,000	720,000
10-02-2008	07:47:52	4638533,000	120,000	0,200	200,000	720,000
10-02-2008	07:57:52	4638653,000	120,000	0,200	200,000	720,000
10-02-2008	08:07:52	4638774,000	121,000	0,202	201,667	726,000

10-02-2008	08:17:52	4638894,000	120,000	0,200	200,000	720,000
10-02-2008	08:27:52	4639013,000	119,000	0,198	198,333	714,000
10-02-2008	08:37:52	4639133,000	120,000	0,200	200,000	720,000
10-02-2008	08:47:52	4639254,000	121,000	0,202	201,667	726,000
10-02-2008	08:57:52	4639375,000	121,000	0,202	201,667	726,000
10-02-2008	09:07:52	4639494,000	119,000	0,198	198,333	714,000
10-02-2008	09:17:52	4639615,000	121,000	0,202	201,667	726,000
10-02-2008	09:27:52	4639735,000	120,000	0,200	200,000	720,000
10-02-2008	09:37:52	4639856,000	121,000	0,202	201,667	726,000
10-02-2008	09:47:52	4639975,000	119,000	0,198	198,333	714,000
10-02-2008	09:57:52	4640096,000	121,000	0,202	201,667	726,000
10-02-2008	10:07:52	4640217,000	121,000	0,202	201,667	726,000
10-02-2008	10:17:52	4640336,000	119,000	0,198	198,333	714,000
10-02-2008	10:27:53	4640457,000	121,000	0,202	201,667	726,000
10-02-2008	10:37:53	4640579,000	122,000	0,203	203,333	732,000
10-02-2008	10:47:53	4640698,000	119,000	0,198	198,333	714,000
10-02-2008	10:57:53	4640820,000	122,000	0,203	203,333	732,000
10-02-2008	11:07:53	4640941,000	121,000	0,202	201,667	726,000
10-02-2008	11:17:53	4641061,000	120,000	0,200	200,000	720,000
10-02-2008	11:27:53	4641182,000	121,000	0,202	201,667	726,000
10-02-2008	11:37:53	4641303,000	121,000	0,202	201,667	726,000
10-02-2008	11:47:53	4641424,000	121,000	0,202	201,667	726,000
10-02-2008	11:57:53	4641545,000	121,000	0,202	201,667	726,000
10-02-2008	12:07:53	4641667,000	122,000	0,203	203,333	732,000
10-02-2008	12:17:53	4641787,000	120,000	0,200	200,000	720,000
10-02-2008	12:27:53	4641908,000	121,000	0,202	201,667	726,000
10-02-2008	12:37:53	4642028,000	120,000	0,200	200,000	720,000
10-02-2008	12:47:53	4642149,000	121,000	0,202	201,667	726,000
10-02-2008	12:57:53	4642270,000	121,000	0,202	201,667	726,000
10-02-2008	13:07:53	4642389,000	119,000	0,198	198,333	714,000
10-02-2008	13:17:53	4642510,000	121,000	0,202	201,667	726,000
10-02-2008	13:27:53	4642631,000	121,000	0,202	201,667	726,000
10-02-2008	13:37:53	4642751,000	120,000	0,200	200,000	720,000
10-02-2008	13:47:53	4642871,000	120,000	0,200	200,000	720,000
10-02-2008	13:57:53	4642991,000	120,000	0,200	200,000	720,000
10-02-2008	14:07:53	4643112,000	121,000	0,202	201,667	726,000
10-02-2008	14:17:53	4643232,000	120,000	0,200	200,000	720,000
10-02-2008	14:27:53	4643352,000	120,000	0,200	200,000	720,000
10-02-2008	14:37:53	4643472,000	120,000	0,200	200,000	720,000
10-02-2008	14:47:53	4643592,000	120,000	0,200	200,000	720,000
10-02-2008	14:57:53	4643713,000	121,000	0,202	201,667	726,000
10-02-2008	15:07:53	4643833,000	120,000	0,200	200,000	720,000
10-02-2008	15:17:53	4643952,000	119,000	0,198	198,333	714,000
10-02-2008	15:27:54	4644072,000	120,000	0,200	200,000	720,000
10-02-2008	15:37:54	4644192,000	120,000	0,200	200,000	720,000
10-02-2008	15:47:54	4644312,000	120,000	0,200	200,000	720,000
10-02-2008	15:57:54	4644430,000	118,000	0,197	196,667	708,000
10-02-2008	16:07:54	4644551,000	121,000	0,202	201,667	726,000
10-02-2008	16:17:54	4644670,000	119,000	0,198	198,333	714,000
10-02-2008	16:27:54	4644790,000	120,000	0,200	200,000	720,000
10-02-2008	16:37:54	4644910,000	120,000	0,200	200,000	720,000
10-02-2008	16:47:54	4645029,000	119,000	0,198	198,333	714,000
10-02-2008	16:57:54	4645149,000	120,000	0,200	200,000	720,000
10-02-2008	17:07:54	4645268,000	119,000	0,198	198,333	714,000
10-02-2008	17:17:54	4645387,000	119,000	0,198	198,333	714,000

10-02-2008	17:27:54	4645508,000	121,000	0,202	201,667	726,000
10-02-2008	17:37:54	4645628,000	120,000	0,200	200,000	720,000
10-02-2008	17:47:54	4645747,000	119,000	0,198	198,333	714,000
10-02-2008	17:57:54	4645867,000	120,000	0,200	200,000	720,000
10-02-2008	18:07:54	4645987,000	120,000	0,200	200,000	720,000
10-02-2008	18:17:54	4646105,000	118,000	0,197	196,667	708,000
10-02-2008	18:27:54	4646226,000	121,000	0,202	201,667	726,000
10-02-2008	18:37:54	4646346,000	120,000	0,200	200,000	720,000
10-02-2008	18:47:54	4646466,000	120,000	0,200	200,000	720,000
10-02-2008	18:57:54	4646586,000	120,000	0,200	200,000	720,000
10-02-2008	19:07:54	4646706,000	120,000	0,200	200,000	720,000
10-02-2008	19:17:54	4646825,000	119,000	0,198	198,333	714,000
10-02-2008	19:27:54	4646945,000	120,000	0,200	200,000	720,000
10-02-2008	19:37:54	4647065,000	120,000	0,200	200,000	720,000
10-02-2008	19:47:54	4647186,000	121,000	0,202	201,667	726,000
10-02-2008	19:57:54	4647306,000	120,000	0,200	200,000	720,000
10-02-2008	20:07:54	4647426,000	120,000	0,200	200,000	720,000
10-02-2008	20:17:54	4647546,000	120,000	0,200	200,000	720,000
10-02-2008	20:27:54	4647666,000	120,000	0,200	200,000	720,000
10-02-2008	20:37:54	4647787,000	121,000	0,202	201,667	726,000
10-02-2008	20:47:54	4647907,000	120,000	0,200	200,000	720,000
10-02-2008	20:57:54	4648027,000	120,000	0,200	200,000	720,000
10-02-2008	21:07:54	4648147,000	120,000	0,200	200,000	720,000
10-02-2008	21:17:54	4648268,000	121,000	0,202	201,667	726,000
10-02-2008	21:27:54	4648388,000	120,000	0,200	200,000	720,000
10-02-2008	21:37:54	4648509,000	121,000	0,202	201,667	726,000
10-02-2008	21:47:54	4648629,000	120,000	0,200	200,000	720,000
10-02-2008	21:57:55	4648750,000	121,000	0,202	201,667	726,000
10-02-2008	22:07:55	4648871,000	121,000	0,202	201,667	726,000
10-02-2008	22:17:55	4648992,000	121,000	0,202	201,667	726,000
10-02-2008	22:27:55	4649113,000	121,000	0,202	201,667	726,000
10-02-2008	22:37:55	4649235,000	122,000	0,203	203,333	732,000
10-02-2008	22:47:55	4649356,000	121,000	0,202	201,667	726,000
10-02-2008	22:57:55	4649478,000	122,000	0,203	203,333	732,000
10-02-2008	23:07:55	4649599,000	121,000	0,202	201,667	726,000
10-02-2008	23:17:55	4649720,000	121,000	0,202	201,667	726,000
10-02-2008	23:27:55	4649842,000	122,000	0,203	203,333	732,000
10-02-2008	23:37:55	4649963,000	121,000	0,202	201,667	726,000
10-02-2008	23:47:55	4650085,000	122,000	0,203	203,333	732,000
10-02-2008	23:57:55	4650206,000	121,000	0,202	201,667	726,000
11-02-2008	00:00:13	4650234,000	28,000	0,203	202,899	730,435

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	4650234,000				
11-02-2008	00:07:55	4650327,000	93,000	0,201	201,299	724,675
11-02-2008	00:17:55	4650449,000	122,000	0,203	203,333	732,000
11-02-2008	00:27:55	4650571,000	122,000	0,203	203,333	732,000
11-02-2008	00:37:55	4650691,000	120,000	0,200	200,000	720,000
11-02-2008	00:47:55	4650814,000	123,000	0,205	205,000	738,000
11-02-2008	00:57:55	4650935,000	121,000	0,202	201,667	726,000
11-02-2008	01:07:55	4651056,000	121,000	0,202	201,667	726,000
11-02-2008	01:17:55	4651177,000	121,000	0,202	201,667	726,000
11-02-2008	01:27:55	4651298,000	121,000	0,202	201,667	726,000
11-02-2008	01:37:55	4651419,000	121,000	0,202	201,667	726,000
11-02-2008	01:47:55	4651541,000	122,000	0,203	203,333	732,000
11-02-2008	01:57:55	4651661,000	120,000	0,200	200,000	720,000
11-02-2008	02:07:55	4651783,000	122,000	0,203	203,333	732,000
11-02-2008	02:17:55	4651903,000	120,000	0,200	200,000	720,000
11-02-2008	02:27:56	4652024,000	121,000	0,202	201,667	726,000
11-02-2008	02:37:56	4652146,000	122,000	0,203	203,333	732,000
11-02-2008	02:47:56	4652267,000	121,000	0,202	201,667	726,000
11-02-2008	02:57:56	4652386,000	119,000	0,198	198,333	714,000
11-02-2008	03:07:56	4652508,000	122,000	0,203	203,333	732,000
11-02-2008	03:17:56	4652629,000	121,000	0,202	201,667	726,000
11-02-2008	03:27:56	4652749,000	120,000	0,200	200,000	720,000
11-02-2008	03:37:56	4652870,000	121,000	0,202	201,667	726,000
11-02-2008	03:47:56	4652991,000	121,000	0,202	201,667	726,000
11-02-2008	03:57:56	4653112,000	121,000	0,202	201,667	726,000
11-02-2008	04:07:56	4653232,000	120,000	0,200	200,000	720,000
11-02-2008	04:17:56	4653354,000	122,000	0,203	203,333	732,000
11-02-2008	04:27:56	4653473,000	119,000	0,198	198,333	714,000
11-02-2008	04:37:56	4653594,000	121,000	0,202	201,667	726,000
11-02-2008	04:47:56	4653715,000	121,000	0,202	201,667	726,000
11-02-2008	04:57:56	4653835,000	120,000	0,200	200,000	720,000
11-02-2008	05:07:56	4653955,000	120,000	0,200	200,000	720,000
11-02-2008	05:17:56	4654077,000	122,000	0,203	203,333	732,000
11-02-2008	05:27:56	4654197,000	120,000	0,200	200,000	720,000
11-02-2008	05:37:56	4654317,000	120,000	0,200	200,000	720,000
11-02-2008	05:47:56	4654437,000	120,000	0,200	200,000	720,000
11-02-2008	05:57:56	4654558,000	121,000	0,202	201,667	726,000
11-02-2008	06:07:56	4654678,000	120,000	0,200	200,000	720,000
11-02-2008	06:17:56	4654798,000	120,000	0,200	200,000	720,000
11-02-2008	06:27:56	4654918,000	120,000	0,200	200,000	720,000
11-02-2008	06:37:56	4655040,000	122,000	0,203	203,333	732,000
11-02-2008	06:47:56	4655159,000	119,000	0,198	198,333	714,000
11-02-2008	06:57:56	4655279,000	120,000	0,200	200,000	720,000
11-02-2008	07:07:56	4655400,000	121,000	0,202	201,667	726,000
11-02-2008	07:17:56	4655520,000	120,000	0,200	200,000	720,000
11-02-2008	07:27:56	4655639,000	119,000	0,198	198,333	714,000
11-02-2008	07:37:57	4655760,000	121,000	0,202	201,667	726,000
11-02-2008	07:47:57	4655881,000	121,000	0,202	201,667	726,000
11-02-2008	07:57:57	4656000,000	119,000	0,198	198,333	714,000
11-02-2008	08:07:57	4656120,000	120,000	0,200	200,000	720,000

11-02-2008	08:17:57	4656241,000	121,000	0,202	201,667	726,000
11-02-2008	08:27:57	4656361,000	120,000	0,200	200,000	720,000
11-02-2008	08:37:57	4656479,000	118,000	0,197	196,667	708,000
11-02-2008	08:47:57	4656600,000	121,000	0,202	201,667	726,000
11-02-2008	08:57:57	4656719,000	119,000	0,198	198,333	714,000
11-02-2008	09:07:57	4656839,000	120,000	0,200	200,000	720,000
11-02-2008	09:17:57	4656958,000	119,000	0,198	198,333	714,000
11-02-2008	09:27:57	4657077,000	119,000	0,198	198,333	714,000
11-02-2008	09:37:57	4657197,000	120,000	0,200	200,000	720,000
11-02-2008	09:47:57	4657317,000	120,000	0,200	200,000	720,000
11-02-2008	09:57:57	4657437,000	120,000	0,200	200,000	720,000
11-02-2008	10:07:57	4657557,000	120,000	0,200	200,000	720,000
11-02-2008	10:17:57	4657676,000	119,000	0,198	198,333	714,000
11-02-2008	10:27:57	4657798,000	122,000	0,203	203,333	732,000
11-02-2008	10:37:57	4657918,000	120,000	0,200	200,000	720,000
11-02-2008	10:47:57	4658037,000	119,000	0,198	198,333	714,000
11-02-2008	10:57:57	4658158,000	121,000	0,202	201,667	726,000
11-02-2008	11:07:57	4658279,000	121,000	0,202	201,667	726,000
11-02-2008	11:17:57	4658398,000	119,000	0,198	198,333	714,000
11-02-2008	11:27:57	4658520,000	122,000	0,203	203,333	732,000
11-02-2008	11:37:57	4658640,000	120,000	0,200	200,000	720,000
11-02-2008	11:47:57	4658761,000	121,000	0,202	201,667	726,000
11-02-2008	11:57:57	4658882,000	121,000	0,202	201,667	726,000
11-02-2008	12:07:57	4659002,000	120,000	0,200	200,000	720,000
11-02-2008	12:17:57	4659123,000	121,000	0,202	201,667	726,000
11-02-2008	12:27:57	4659243,000	120,000	0,200	200,000	720,000
11-02-2008	12:37:57	4659364,000	121,000	0,202	201,667	726,000
11-02-2008	12:47:57	4659485,000	121,000	0,202	201,667	726,000
11-02-2008	12:57:57	4659606,000	121,000	0,202	201,667	726,000
11-02-2008	13:07:57	4659726,000	120,000	0,200	200,000	720,000
11-02-2008	13:17:57	4659846,000	120,000	0,200	200,000	720,000
11-02-2008	13:27:57	4659966,000	120,000	0,200	200,000	720,000
11-02-2008	13:37:57	4660084,000	118,000	0,197	196,667	708,000
11-02-2008	13:47:57	4660205,000	121,000	0,202	201,667	726,000
11-02-2008	13:57:57	4660325,000	120,000	0,200	200,000	720,000
11-02-2008	14:07:58	4660444,000	119,000	0,198	198,333	714,000
11-02-2008	14:17:58	4660564,000	120,000	0,200	200,000	720,000
11-02-2008	14:27:58	4660684,000	120,000	0,200	200,000	720,000
11-02-2008	14:37:58	4660804,000	120,000	0,200	200,000	720,000
11-02-2008	14:47:58	4660923,000	119,000	0,198	198,333	714,000
11-02-2008	14:57:58	4661042,000	119,000	0,198	198,333	714,000
11-02-2008	15:07:58	4661162,000	120,000	0,200	200,000	720,000
11-02-2008	15:17:58	4661282,000	120,000	0,200	200,000	720,000
11-02-2008	15:27:58	4661402,000	120,000	0,200	200,000	720,000
11-02-2008	15:37:58	4661521,000	119,000	0,198	198,333	714,000
11-02-2008	15:47:58	4661640,000	119,000	0,198	198,333	714,000
11-02-2008	15:57:58	4661760,000	120,000	0,200	200,000	720,000
11-02-2008	16:07:58	4661880,000	120,000	0,200	200,000	720,000
11-02-2008	16:17:58	4662000,000	120,000	0,200	200,000	720,000
11-02-2008	16:27:58	4662119,000	119,000	0,198	198,333	714,000
11-02-2008	16:37:58	4662239,000	120,000	0,200	200,000	720,000
11-02-2008	16:47:58	4662359,000	120,000	0,200	200,000	720,000
11-02-2008	16:57:58	4662478,000	119,000	0,198	198,333	714,000
11-02-2008	17:07:58	4662598,000	120,000	0,200	200,000	720,000
11-02-2008	17:17:58	4662718,000	120,000	0,200	200,000	720,000

11-02-2008	17:27:58	4662838,000	120,000	0,200	200,000	720,000
11-02-2008	17:37:58	4662958,000	120,000	0,200	200,000	720,000
11-02-2008	17:47:58	4663078,000	120,000	0,200	200,000	720,000
11-02-2008	17:57:58	4663198,000	120,000	0,200	200,000	720,000
11-02-2008	18:07:58	4663317,000	119,000	0,198	198,333	714,000
11-02-2008	18:17:58	4663437,000	120,000	0,200	200,000	720,000
11-02-2008	18:27:58	4663556,000	119,000	0,198	198,333	714,000
11-02-2008	18:37:58	4663676,000	120,000	0,200	200,000	720,000
11-02-2008	18:50:08	4663822,000	146,000	0,200	200,000	720,000
11-02-2008	19:00:08	4663942,000	120,000	0,200	200,000	720,000
11-02-2008	19:10:08	4664062,000	120,000	0,200	200,000	720,000
11-02-2008	19:20:08	4664182,000	120,000	0,200	200,000	720,000
11-02-2008	19:30:08	4664302,000	120,000	0,200	200,000	720,000
11-02-2008	19:40:35	4664428,000	126,000	0,210	210,000	756,000
11-02-2008	19:51:37	4664561,000	133,000	0,201	200,906	723,263
11-02-2008	20:01:37	4664681,000	120,000	0,200	200,000	720,000
11-02-2008	20:11:37	4664802,000	121,000	0,202	201,667	726,000
11-02-2008	20:21:37	4664922,000	120,000	0,200	200,000	720,000
11-02-2008	20:31:37	4665042,000	120,000	0,200	200,000	720,000
11-02-2008	20:41:37	4665163,000	121,000	0,202	201,667	726,000
11-02-2008	20:51:37	4665283,000	120,000	0,200	200,000	720,000
11-02-2008	21:01:37	4665404,000	121,000	0,202	201,667	726,000
11-02-2008	21:11:37	4665526,000	122,000	0,203	203,333	732,000
11-02-2008	21:21:37	4665647,000	121,000	0,202	201,667	726,000
11-02-2008	21:31:38	4665768,000	121,000	0,202	201,667	726,000
11-02-2008	21:41:38	4665889,000	121,000	0,202	201,667	726,000
11-02-2008	21:51:38	4666009,000	120,000	0,200	200,000	720,000
11-02-2008	22:01:38	4666130,000	121,000	0,202	201,667	726,000
11-02-2008	22:11:38	4666251,000	121,000	0,202	201,667	726,000
11-02-2008	22:21:38	4666372,000	121,000	0,202	201,667	726,000
11-02-2008	22:31:38	4666494,000	122,000	0,203	203,333	732,000
11-02-2008	22:41:38	4666614,000	120,000	0,200	200,000	720,000
11-02-2008	22:51:38	4666735,000	121,000	0,202	201,667	726,000
11-02-2008	23:01:38	4666856,000	121,000	0,202	201,667	726,000
11-02-2008	23:11:38	4666978,000	122,000	0,203	203,333	732,000
11-02-2008	23:21:38	4667098,000	120,000	0,200	200,000	720,000
11-02-2008	23:31:38	4667219,000	121,000	0,202	201,667	726,000
11-02-2008	23:41:38	4667340,000	121,000	0,202	201,667	726,000
11-02-2008	23:51:38	4667460,000	120,000	0,200	200,000	720,000
12-02-2008	00:00:04	4667562,000	102,000	0,202	201,581	725,692

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	4667562,000				
12-02-2008	00:01:38	4667581,000	19,000	0,202	202,128	727,660
12-02-2008	00:11:38	4667701,000	120,000	0,200	200,000	720,000
12-02-2008	00:21:38	4667821,000	120,000	0,200	200,000	720,000
12-02-2008	00:31:38	4667942,000	121,000	0,202	201,667	726,000
12-02-2008	00:41:38	4668063,000	121,000	0,202	201,667	726,000
12-02-2008	00:51:38	4668183,000	120,000	0,200	200,000	720,000
12-02-2008	01:01:38	4668302,000	119,000	0,198	198,333	714,000
12-02-2008	01:11:38	4668422,000	120,000	0,200	200,000	720,000
12-02-2008	01:21:38	4668542,000	120,000	0,200	200,000	720,000
12-02-2008	01:31:38	4668663,000	121,000	0,202	201,667	726,000
12-02-2008	01:41:38	4668783,000	120,000	0,200	200,000	720,000
12-02-2008	01:51:38	4668903,000	120,000	0,200	200,000	720,000
12-02-2008	02:01:38	4669023,000	120,000	0,200	200,000	720,000
12-02-2008	02:11:38	4669143,000	120,000	0,200	200,000	720,000
12-02-2008	02:21:38	4669263,000	120,000	0,200	200,000	720,000
12-02-2008	02:31:39	4669382,000	119,000	0,198	198,333	714,000
12-02-2008	02:41:39	4669502,000	120,000	0,200	200,000	720,000
12-02-2008	02:51:39	4669622,000	120,000	0,200	200,000	720,000
12-02-2008	03:01:39	4669743,000	121,000	0,202	201,667	726,000
12-02-2008	03:11:39	4669862,000	119,000	0,198	198,333	714,000
12-02-2008	03:21:39	4669981,000	119,000	0,198	198,333	714,000
12-02-2008	03:31:39	4670102,000	121,000	0,202	201,667	726,000
12-02-2008	03:41:39	4670222,000	120,000	0,200	200,000	720,000
12-02-2008	03:51:39	4670340,000	118,000	0,197	196,667	708,000
12-02-2008	04:01:39	4670460,000	120,000	0,200	200,000	720,000
12-02-2008	04:11:39	4670579,000	119,000	0,198	198,333	714,000
12-02-2008	04:21:39	4670700,000	121,000	0,202	201,667	726,000
12-02-2008	04:31:39	4670819,000	119,000	0,198	198,333	714,000
12-02-2008	04:41:39	4670939,000	120,000	0,200	200,000	720,000
12-02-2008	04:51:39	4671059,000	120,000	0,200	200,000	720,000
12-02-2008	05:01:39	4671178,000	119,000	0,198	198,333	714,000
12-02-2008	05:11:39	4671298,000	120,000	0,200	200,000	720,000
12-02-2008	05:21:39	4671418,000	120,000	0,200	200,000	720,000
12-02-2008	05:31:39	4671537,000	119,000	0,198	198,333	714,000
12-02-2008	05:41:40	4671656,000	119,000	0,198	198,333	714,000
12-02-2008	05:51:40	4671777,000	121,000	0,202	201,667	726,000
12-02-2008	06:01:40	4671897,000	120,000	0,200	200,000	720,000
12-02-2008	06:11:40	4672015,000	118,000	0,197	196,667	708,000
12-02-2008	06:21:40	4672136,000	121,000	0,202	201,667	726,000
12-02-2008	06:31:40	4672256,000	120,000	0,200	200,000	720,000
12-02-2008	06:41:40	4672375,000	119,000	0,198	198,333	714,000
12-02-2008	06:51:40	4672496,000	121,000	0,202	201,667	726,000
12-02-2008	07:01:40	4672616,000	120,000	0,200	200,000	720,000
12-02-2008	07:11:40	4672736,000	120,000	0,200	200,000	720,000
12-02-2008	07:21:40	4672856,000	120,000	0,200	200,000	720,000
12-02-2008	07:31:40	4672976,000	120,000	0,200	200,000	720,000
12-02-2008	07:41:40	4673097,000	121,000	0,202	201,667	726,000
12-02-2008	07:51:40	4673217,000	120,000	0,200	200,000	720,000
12-02-2008	08:01:40	4673337,000	120,000	0,200	200,000	720,000
12-02-2008	08:11:40	4673457,000	120,000	0,200	200,000	720,000

12-02-2008	08:21:40	4673578,000	121,000	0,202	201,667	726,000
12-02-2008	08:31:40	4673699,000	121,000	0,202	201,667	726,000
12-02-2008	08:41:40	4673820,000	121,000	0,202	201,667	726,000
12-02-2008	08:51:40	4673939,000	119,000	0,198	198,333	714,000
12-02-2008	09:01:40	4674060,000	121,000	0,202	201,667	726,000
12-02-2008	09:11:40	4674180,000	120,000	0,200	200,000	720,000
12-02-2008	09:21:40	4674301,000	121,000	0,202	201,667	726,000
12-02-2008	09:31:40	4674421,000	120,000	0,200	200,000	720,000
12-02-2008	09:41:40	4674541,000	120,000	0,200	200,000	720,000
12-02-2008	09:51:40	4674662,000	121,000	0,202	201,667	726,000
12-02-2008	10:01:40	4674781,000	119,000	0,198	198,333	714,000
12-02-2008	10:11:40	4674903,000	122,000	0,203	203,333	732,000
12-02-2008	10:21:40	4675024,000	121,000	0,202	201,667	726,000
12-02-2008	10:31:40	4675145,000	121,000	0,202	201,667	726,000
12-02-2008	10:41:40	4675266,000	121,000	0,202	201,667	726,000
12-02-2008	10:51:40	4675387,000	121,000	0,202	201,667	726,000
12-02-2008	11:01:40	4675508,000	121,000	0,202	201,667	726,000
12-02-2008	11:11:40	4675629,000	121,000	0,202	201,667	726,000
12-02-2008	11:21:40	4675752,000	123,000	0,205	205,000	738,000
12-02-2008	11:31:40	4675873,000	121,000	0,202	201,667	726,000
12-02-2008	11:41:41	4675995,000	122,000	0,203	203,333	732,000
12-02-2008	11:51:41	4676117,000	122,000	0,203	203,333	732,000
12-02-2008	12:01:41	4676238,000	121,000	0,202	201,667	726,000
12-02-2008	12:11:41	4676360,000	122,000	0,203	203,333	732,000
12-02-2008	12:21:41	4676482,000	122,000	0,203	203,333	732,000
12-02-2008	12:31:41	4676604,000	122,000	0,203	203,333	732,000
12-02-2008	12:41:41	4676727,000	123,000	0,205	205,000	738,000
12-02-2008	12:51:41	4676847,000	120,000	0,200	200,000	720,000
12-02-2008	13:01:41	4676969,000	122,000	0,203	203,333	732,000
12-02-2008	13:11:41	4677091,000	122,000	0,203	203,333	732,000
12-02-2008	13:21:41	4677213,000	122,000	0,203	203,333	732,000
12-02-2008	13:31:41	4677334,000	121,000	0,202	201,667	726,000
12-02-2008	13:41:41	4677456,000	122,000	0,203	203,333	732,000
12-02-2008	13:51:41	4677578,000	122,000	0,203	203,333	732,000
12-02-2008	14:01:41	4677698,000	120,000	0,200	200,000	720,000
12-02-2008	14:11:41	4677821,000	123,000	0,205	205,000	738,000
12-02-2008	14:21:41	4677942,000	121,000	0,202	201,667	726,000
12-02-2008	14:31:41	4678063,000	121,000	0,202	201,667	726,000
12-02-2008	14:41:41	4678184,000	121,000	0,202	201,667	726,000
12-02-2008	14:51:41	4678304,000	120,000	0,200	200,000	720,000
12-02-2008	15:01:41	4678425,000	121,000	0,202	201,667	726,000
12-02-2008	15:11:41	4678546,000	121,000	0,202	201,667	726,000
12-02-2008	15:21:41	4678666,000	120,000	0,200	200,000	720,000
12-02-2008	15:31:41	4678787,000	121,000	0,202	201,667	726,000
12-02-2008	15:41:41	4678907,000	120,000	0,200	200,000	720,000
12-02-2008	15:51:41	4679027,000	120,000	0,200	200,000	720,000
12-02-2008	16:01:41	4679147,000	120,000	0,200	200,000	720,000
12-02-2008	16:11:41	4679267,000	120,000	0,200	200,000	720,000
12-02-2008	16:21:41	4679387,000	120,000	0,200	200,000	720,000
12-02-2008	16:31:41	4679508,000	121,000	0,202	201,667	726,000
12-02-2008	16:41:41	4679627,000	119,000	0,198	198,333	714,000
12-02-2008	16:51:42	4679747,000	120,000	0,200	200,000	720,000
12-02-2008	17:01:42	4679868,000	121,000	0,202	201,667	726,000
12-02-2008	17:11:42	4679988,000	120,000	0,200	200,000	720,000
12-02-2008	17:21:42	4680108,000	120,000	0,200	200,000	720,000

12-02-2008	17:31:42	4680228,000	120,000	0,200	200,000	720,000
12-02-2008	17:41:42	4680348,000	120,000	0,200	200,000	720,000
12-02-2008	17:51:42	4680468,000	120,000	0,200	200,000	720,000
12-02-2008	18:01:42	4680588,000	120,000	0,200	200,000	720,000
12-02-2008	18:11:42	4680708,000	120,000	0,200	200,000	720,000
12-02-2008	18:21:42	4680828,000	120,000	0,200	200,000	720,000
12-02-2008	18:31:42	4680947,000	119,000	0,198	198,333	714,000
12-02-2008	18:41:42	4681067,000	120,000	0,200	200,000	720,000
12-02-2008	18:51:42	4681187,000	120,000	0,200	200,000	720,000
12-02-2008	19:01:42	4681308,000	121,000	0,202	201,667	726,000
12-02-2008	19:11:42	4681428,000	120,000	0,200	200,000	720,000
12-02-2008	19:21:42	4681549,000	121,000	0,202	201,667	726,000
12-02-2008	19:31:42	4681670,000	121,000	0,202	201,667	726,000
12-02-2008	19:41:42	4681789,000	119,000	0,198	198,333	714,000
12-02-2008	19:51:42	4681910,000	121,000	0,202	201,667	726,000
12-02-2008	20:01:42	4682032,000	122,000	0,203	203,333	732,000
12-02-2008	20:11:42	4682153,000	121,000	0,202	201,667	726,000
12-02-2008	20:21:42	4682274,000	121,000	0,202	201,667	726,000
12-02-2008	20:31:42	4682395,000	121,000	0,202	201,667	726,000
12-02-2008	20:41:42	4682516,000	121,000	0,202	201,667	726,000
12-02-2008	20:51:42	4682638,000	122,000	0,203	203,333	732,000
12-02-2008	21:01:42	4682759,000	121,000	0,202	201,667	726,000
12-02-2008	21:11:42	4682881,000	122,000	0,203	203,333	732,000
12-02-2008	21:21:42	4683002,000	121,000	0,202	201,667	726,000
12-02-2008	21:31:43	4683124,000	122,000	0,203	203,333	732,000
12-02-2008	21:41:43	4683245,000	121,000	0,202	201,667	726,000
12-02-2008	21:51:43	4683367,000	122,000	0,203	203,333	732,000
12-02-2008	22:01:43	4683487,000	120,000	0,200	200,000	720,000
12-02-2008	22:11:43	4683609,000	122,000	0,203	203,333	732,000
12-02-2008	22:21:43	4683729,000	120,000	0,200	200,000	720,000
12-02-2008	22:31:43	4683852,000	123,000	0,205	205,000	738,000
12-02-2008	22:41:43	4683972,000	120,000	0,200	200,000	720,000
12-02-2008	22:51:43	4684093,000	121,000	0,202	201,667	726,000
12-02-2008	23:01:43	4684215,000	122,000	0,203	203,333	732,000
12-02-2008	23:11:43	4684336,000	121,000	0,202	201,667	726,000
12-02-2008	23:21:43	4684457,000	121,000	0,202	201,667	726,000
12-02-2008	23:31:43	4684578,000	121,000	0,202	201,667	726,000
12-02-2008	23:41:43	4684699,000	121,000	0,202	201,667	726,000
12-02-2008	23:51:43	4684820,000	121,000	0,202	201,667	726,000
13-02-2008	00:00:24	4684926,000	106,000	0,203	203,455	732,438

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	4684926,000				
13-02-2008	00:01:43	4684941,000	15,000	0,190	189,873	683,544
13-02-2008	00:11:43	4685063,000	122,000	0,203	203,333	732,000
13-02-2008	00:21:43	4685183,000	120,000	0,200	200,000	720,000
13-02-2008	00:31:43	4685306,000	123,000	0,205	205,000	738,000
13-02-2008	00:41:43	4685427,000	121,000	0,202	201,667	726,000
13-02-2008	00:51:43	4685547,000	120,000	0,200	200,000	720,000
13-02-2008	01:01:43	4685670,000	123,000	0,205	205,000	738,000
13-02-2008	01:11:43	4685791,000	121,000	0,202	201,667	726,000
13-02-2008	01:21:43	4685911,000	120,000	0,200	200,000	720,000
13-02-2008	01:31:43	4686033,000	122,000	0,203	203,333	732,000
13-02-2008	01:41:43	4686154,000	121,000	0,202	201,667	726,000
13-02-2008	01:51:43	4686275,000	121,000	0,202	201,667	726,000
13-02-2008	02:01:43	4686396,000	121,000	0,202	201,667	726,000
13-02-2008	02:11:43	4686517,000	121,000	0,202	201,667	726,000
13-02-2008	02:21:43	4686638,000	121,000	0,202	201,667	726,000
13-02-2008	02:31:43	4686759,000	121,000	0,202	201,667	726,000
13-02-2008	02:41:43	4686880,000	121,000	0,202	201,667	726,000
13-02-2008	02:51:43	4687001,000	121,000	0,202	201,667	726,000
13-02-2008	03:01:43	4687121,000	120,000	0,200	200,000	720,000
13-02-2008	03:11:43	4687243,000	122,000	0,203	203,333	732,000
13-02-2008	03:21:43	4687363,000	120,000	0,200	200,000	720,000
13-02-2008	03:31:43	4687484,000	121,000	0,202	201,667	726,000
13-02-2008	03:41:43	4687606,000	122,000	0,203	203,333	732,000
13-02-2008	03:51:43	4687726,000	120,000	0,200	200,000	720,000
13-02-2008	04:01:43	4687847,000	121,000	0,202	201,667	726,000
13-02-2008	04:11:43	4687970,000	123,000	0,205	205,000	738,000
13-02-2008	04:21:43	4688091,000	121,000	0,202	201,667	726,000
13-02-2008	04:31:43	4688211,000	120,000	0,200	200,000	720,000
13-02-2008	04:41:43	4688333,000	122,000	0,203	203,333	732,000
13-02-2008	04:51:43	4688454,000	121,000	0,202	201,667	726,000
13-02-2008	05:01:43	4688575,000	121,000	0,202	201,667	726,000
13-02-2008	05:11:43	4688697,000	122,000	0,203	203,333	732,000
13-02-2008	05:21:43	4688818,000	121,000	0,202	201,667	726,000
13-02-2008	05:31:44	4688939,000	121,000	0,202	201,667	726,000
13-02-2008	05:41:44	4689061,000	122,000	0,203	203,333	732,000
13-02-2008	05:51:44	4689182,000	121,000	0,202	201,667	726,000
13-02-2008	06:01:44	4689305,000	123,000	0,205	205,000	738,000
13-02-2008	06:11:44	4689425,000	120,000	0,200	200,000	720,000
13-02-2008	06:21:44	4689546,000	121,000	0,202	201,667	726,000
13-02-2008	06:31:44	4689669,000	123,000	0,205	205,000	738,000
13-02-2008	06:41:44	4689790,000	121,000	0,202	201,667	726,000
13-02-2008	06:51:44	4689911,000	121,000	0,202	201,667	726,000
13-02-2008	07:01:44	4690033,000	122,000	0,203	203,333	732,000
13-02-2008	07:11:44	4690154,000	121,000	0,202	201,667	726,000
13-02-2008	07:21:44	4690275,000	121,000	0,202	201,667	726,000
13-02-2008	07:31:44	4690396,000	121,000	0,202	201,667	726,000
13-02-2008	07:41:44	4690518,000	122,000	0,203	203,333	732,000
13-02-2008	07:51:44	4690640,000	122,000	0,203	203,333	732,000

13-02-2008	08:01:44	4690761,000	121,000	0,202	201,667	726,000
13-02-2008	08:11:44	4690882,000	121,000	0,202	201,667	726,000
13-02-2008	08:21:44	4691004,000	122,000	0,203	203,333	732,000
13-02-2008	08:31:44	4691124,000	120,000	0,200	200,000	720,000
13-02-2008	08:41:44	4691247,000	123,000	0,205	205,000	738,000
13-02-2008	08:51:44	4691368,000	121,000	0,202	201,667	726,000
13-02-2008	09:01:44	4691487,000	119,000	0,198	198,333	714,000
13-02-2008	09:11:44	4691609,000	122,000	0,203	203,333	732,000
13-02-2008	09:21:44	4691730,000	121,000	0,202	201,667	726,000
13-02-2008	09:31:44	4691850,000	120,000	0,200	200,000	720,000
13-02-2008	09:41:44	4691970,000	120,000	0,200	200,000	720,000
13-02-2008	09:51:44	4692091,000	121,000	0,202	201,667	726,000
13-02-2008	10:01:44	4692212,000	121,000	0,202	201,667	726,000
13-02-2008	10:11:44	4692332,000	120,000	0,200	200,000	720,000
13-02-2008	10:21:44	4692453,000	121,000	0,202	201,667	726,000
13-02-2008	10:31:44	4692573,000	120,000	0,200	200,000	720,000
13-02-2008	10:41:44	4692694,000	121,000	0,202	201,667	726,000
13-02-2008	10:51:45	4692814,000	120,000	0,200	200,000	720,000
13-02-2008	11:01:45	4692935,000	121,000	0,202	201,667	726,000
13-02-2008	11:11:45	4693055,000	120,000	0,200	200,000	720,000
13-02-2008	11:21:45	4693174,000	119,000	0,198	198,333	714,000
13-02-2008	11:31:45	4693295,000	121,000	0,202	201,667	726,000
13-02-2008	11:41:45	4693415,000	120,000	0,200	200,000	720,000
13-02-2008	11:51:45	4693535,000	120,000	0,200	200,000	720,000
13-02-2008	12:01:45	4693655,000	120,000	0,200	200,000	720,000
13-02-2008	12:11:45	4693775,000	120,000	0,200	200,000	720,000
13-02-2008	12:22:05	4693899,000	124,000	0,200	200,000	720,000
13-02-2008	12:32:49	4694027,000	128,000	0,213	213,333	768,000
13-02-2008	12:42:50	4694147,000	120,000	0,200	200,000	720,000
13-02-2008	12:52:50	4694267,000	120,000	0,200	200,000	720,000
13-02-2008	13:02:50	4694386,000	119,000	0,198	198,333	714,000
13-02-2008	13:12:50	4694507,000	121,000	0,202	201,667	726,000
13-02-2008	13:22:50	4694625,000	118,000	0,197	196,667	708,000
13-02-2008	13:32:50	4694744,000	119,000	0,198	198,333	714,000
13-02-2008	13:42:50	4694865,000	121,000	0,202	201,667	726,000
13-02-2008	13:52:50	4694983,000	118,000	0,197	196,667	708,000
13-02-2008	14:02:50	4695101,000	118,000	0,197	196,667	708,000
13-02-2008	14:12:50	4695221,000	120,000	0,200	200,000	720,000
13-02-2008	14:22:50	4695338,000	117,000	0,195	195,000	702,000
13-02-2008	14:32:50	4695455,000	117,000	0,195	195,000	702,000
13-02-2008	14:42:50	4695573,000	118,000	0,197	196,667	708,000
13-02-2008	14:52:50	4695691,000	118,000	0,197	196,667	708,000
13-02-2008	15:02:50	4695808,000	117,000	0,195	195,000	702,000
13-02-2008	15:12:50	4695925,000	117,000	0,195	195,000	702,000
13-02-2008	15:22:50	4696042,000	117,000	0,195	195,000	702,000
13-02-2008	15:32:50	4696159,000	117,000	0,195	195,000	702,000
13-02-2008	15:42:50	4696275,000	116,000	0,193	193,333	696,000
13-02-2008	15:52:50	4696392,000	117,000	0,195	195,000	702,000
13-02-2008	16:02:50	4696509,000	117,000	0,195	195,000	702,000
13-02-2008	16:12:50	4696625,000	116,000	0,193	193,333	696,000
13-02-2008	16:22:50	4696743,000	118,000	0,197	196,667	708,000
13-02-2008	16:32:50	4696859,000	116,000	0,193	193,333	696,000
13-02-2008	16:42:50	4696975,000	116,000	0,193	193,333	696,000
13-02-2008	16:52:50	4697095,000	120,000	0,200	200,000	720,000
13-02-2008	17:02:50	4697216,000	121,000	0,202	201,667	726,000

13-02-2008	17:12:50	4697336,000	120,000	0,200	200,000	720,000
13-02-2008	17:22:51	4697455,000	119,000	0,198	198,333	714,000
13-02-2008	17:32:51	4697575,000	120,000	0,200	200,000	720,000
13-02-2008	17:42:51	4697695,000	120,000	0,200	200,000	720,000
13-02-2008	17:52:51	4697815,000	120,000	0,200	200,000	720,000
13-02-2008	18:02:51	4697934,000	119,000	0,198	198,333	714,000
13-02-2008	18:12:51	4698054,000	120,000	0,200	200,000	720,000
13-02-2008	18:22:51	4698174,000	120,000	0,200	200,000	720,000
13-02-2008	18:32:51	4698293,000	119,000	0,198	198,333	714,000
13-02-2008	18:42:51	4698413,000	120,000	0,200	200,000	720,000
13-02-2008	18:52:51	4698533,000	120,000	0,200	200,000	720,000
13-02-2008	19:02:51	4698653,000	120,000	0,200	200,000	720,000
13-02-2008	19:12:51	4698773,000	120,000	0,200	200,000	720,000
13-02-2008	19:22:51	4698894,000	121,000	0,202	201,667	726,000
13-02-2008	19:32:51	4699015,000	121,000	0,202	201,667	726,000
13-02-2008	19:42:51	4699135,000	120,000	0,200	200,000	720,000
13-02-2008	19:52:51	4699255,000	120,000	0,200	200,000	720,000
13-02-2008	20:02:51	4699375,000	120,000	0,200	200,000	720,000
13-02-2008	20:12:51	4699495,000	120,000	0,200	200,000	720,000
13-02-2008	20:22:51	4699617,000	122,000	0,203	203,333	732,000
13-02-2008	20:32:51	4699737,000	120,000	0,200	200,000	720,000
13-02-2008	20:42:51	4699858,000	121,000	0,202	201,667	726,000
13-02-2008	20:52:51	4699979,000	121,000	0,202	201,667	726,000
13-02-2008	21:02:51	4700101,000	122,000	0,203	203,333	732,000
13-02-2008	21:12:51	4700222,000	121,000	0,202	201,667	726,000
13-02-2008	21:22:51	4700343,000	121,000	0,202	201,667	726,000
13-02-2008	21:32:51	4700464,000	121,000	0,202	201,667	726,000
13-02-2008	21:42:51	4700585,000	121,000	0,202	201,667	726,000
13-02-2008	21:52:51	4700707,000	122,000	0,203	203,333	732,000
13-02-2008	22:02:51	4700827,000	120,000	0,200	200,000	720,000
13-02-2008	22:12:51	4700947,000	120,000	0,200	200,000	720,000
13-02-2008	22:22:51	4701067,000	120,000	0,200	200,000	720,000
13-02-2008	22:32:52	4701186,000	119,000	0,198	198,333	714,000
13-02-2008	22:42:52	4701307,000	121,000	0,202	201,667	726,000
13-02-2008	22:52:52	4701427,000	120,000	0,200	200,000	720,000
13-02-2008	23:02:52	4701547,000	120,000	0,200	200,000	720,000
13-02-2008	23:12:52	4701666,000	119,000	0,198	198,333	714,000
13-02-2008	23:22:52	4701786,000	120,000	0,200	200,000	720,000
13-02-2008	23:32:52	4701906,000	120,000	0,200	200,000	720,000
13-02-2008	23:42:52	4702026,000	120,000	0,200	200,000	720,000
13-02-2008	23:52:52	4702147,000	121,000	0,202	201,667	726,000
14-02-2008	00:00:13	4702235,000	88,000	0,200	199,546	718,367

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:14	4702235,000				
14-02-2008	00:02:52	4702267,000	32,000	0,203	202,532	729,114
14-02-2008	00:12:52	4702387,000	120,000	0,200	200,000	720,000
14-02-2008	00:22:52	4702507,000	120,000	0,200	200,000	720,000
14-02-2008	00:32:52	4702627,000	120,000	0,200	200,000	720,000
14-02-2008	00:42:52	4702747,000	120,000	0,200	200,000	720,000
14-02-2008	00:52:52	4702867,000	120,000	0,200	200,000	720,000
14-02-2008	01:02:52	4702986,000	119,000	0,198	198,333	714,000
14-02-2008	01:12:52	4703106,000	120,000	0,200	200,000	720,000
14-02-2008	01:22:53	4703227,000	121,000	0,202	201,667	726,000
14-02-2008	01:32:53	4703347,000	120,000	0,200	200,000	720,000
14-02-2008	01:42:53	4703466,000	119,000	0,198	198,333	714,000
14-02-2008	01:52:53	4703586,000	120,000	0,200	200,000	720,000
14-02-2008	02:02:53	4703707,000	121,000	0,202	201,667	726,000
14-02-2008	02:12:53	4703826,000	119,000	0,198	198,333	714,000
14-02-2008	02:22:53	4703946,000	120,000	0,200	200,000	720,000
14-02-2008	02:32:53	4704066,000	120,000	0,200	200,000	720,000
14-02-2008	02:42:53	4704186,000	120,000	0,200	200,000	720,000
14-02-2008	02:52:53	4704306,000	120,000	0,200	200,000	720,000
14-02-2008	03:02:53	4704426,000	120,000	0,200	200,000	720,000
14-02-2008	03:12:53	4704546,000	120,000	0,200	200,000	720,000
14-02-2008	03:22:54	4704666,000	120,000	0,200	200,000	720,000
14-02-2008	03:32:54	4704786,000	120,000	0,200	200,000	720,000
14-02-2008	03:42:54	4704906,000	120,000	0,200	200,000	720,000
14-02-2008	03:52:54	4705026,000	120,000	0,200	200,000	720,000
14-02-2008	04:02:54	4705147,000	121,000	0,202	201,667	726,000
14-02-2008	04:12:54	4705267,000	120,000	0,200	200,000	720,000
14-02-2008	04:22:54	4705386,000	119,000	0,198	198,333	714,000
14-02-2008	04:32:54	4705507,000	121,000	0,202	201,667	726,000
14-02-2008	04:42:54	4705628,000	121,000	0,202	201,667	726,000
14-02-2008	04:52:54	4705747,000	119,000	0,198	198,333	714,000
14-02-2008	05:02:54	4705868,000	121,000	0,202	201,667	726,000
14-02-2008	05:12:55	4705989,000	121,000	0,202	201,667	726,000
14-02-2008	05:22:55	4706110,000	121,000	0,202	201,667	726,000
14-02-2008	05:32:55	4706231,000	121,000	0,202	201,667	726,000
14-02-2008	05:42:55	4706352,000	121,000	0,202	201,667	726,000
14-02-2008	05:52:55	4706472,000	120,000	0,200	200,000	720,000
14-02-2008	06:02:55	4706593,000	121,000	0,202	201,667	726,000
14-02-2008	06:12:55	4706714,000	121,000	0,202	201,667	726,000
14-02-2008	06:22:55	4706836,000	122,000	0,203	203,333	732,000
14-02-2008	06:32:55	4706957,000	121,000	0,202	201,667	726,000
14-02-2008	06:42:55	4707079,000	122,000	0,203	203,333	732,000
14-02-2008	06:52:55	4707200,000	121,000	0,202	201,667	726,000
14-02-2008	07:02:55	4707322,000	122,000	0,203	203,333	732,000
14-02-2008	07:12:55	4707443,000	121,000	0,202	201,667	726,000
14-02-2008	07:22:55	4707565,000	122,000	0,203	203,333	732,000
14-02-2008	07:32:56	4707686,000	121,000	0,202	201,667	726,000
14-02-2008	07:42:56	4707808,000	122,000	0,203	203,333	732,000
14-02-2008	07:52:56	4707929,000	121,000	0,202	201,667	726,000
14-02-2008	08:02:56	4708051,000	122,000	0,203	203,333	732,000

14-02-2008	08:12:56	4708172,000	121,000	0,202	201,667	726,000
14-02-2008	08:22:56	4708295,000	123,000	0,205	205,000	738,000
14-02-2008	08:32:56	4708416,000	121,000	0,202	201,667	726,000
14-02-2008	08:42:56	4708538,000	122,000	0,203	203,333	732,000
14-02-2008	08:52:56	4708659,000	121,000	0,202	201,667	726,000
14-02-2008	09:02:56	4708781,000	122,000	0,203	203,333	732,000
14-02-2008	09:12:56	4708903,000	122,000	0,203	203,333	732,000
14-02-2008	09:22:56	4709025,000	122,000	0,203	203,333	732,000
14-02-2008	09:32:56	4709147,000	122,000	0,203	203,333	732,000
14-02-2008	09:42:56	4709268,000	121,000	0,202	201,667	726,000
14-02-2008	09:52:56	4709390,000	122,000	0,203	203,333	732,000
14-02-2008	10:02:56	4709511,000	121,000	0,202	201,667	726,000
14-02-2008	10:12:56	4709633,000	122,000	0,203	203,333	732,000
14-02-2008	10:22:56	4709755,000	122,000	0,203	203,333	732,000
14-02-2008	10:32:56	4709876,000	121,000	0,202	201,667	726,000
14-02-2008	10:42:56	4709998,000	122,000	0,203	203,333	732,000
14-02-2008	10:52:56	4710119,000	121,000	0,202	201,667	726,000
14-02-2008	11:02:56	4710241,000	122,000	0,203	203,333	732,000
14-02-2008	11:12:56	4710363,000	122,000	0,203	203,333	732,000
14-02-2008	11:22:56	4710485,000	122,000	0,203	203,333	732,000
14-02-2008	11:32:56	4710607,000	122,000	0,203	203,333	732,000
14-02-2008	11:42:56	4710730,000	123,000	0,205	205,000	738,000
14-02-2008	11:52:56	4710851,000	121,000	0,202	201,667	726,000
14-02-2008	12:02:56	4710974,000	123,000	0,205	205,000	738,000
14-02-2008	12:12:56	4711096,000	122,000	0,203	203,333	732,000
14-02-2008	12:22:56	4711218,000	122,000	0,203	203,333	732,000
14-02-2008	12:32:56	4711340,000	122,000	0,203	203,333	732,000
14-02-2008	12:42:56	4711462,000	122,000	0,203	203,333	732,000
14-02-2008	12:52:57	4711584,000	122,000	0,203	203,333	732,000
14-02-2008	13:02:57	4711706,000	122,000	0,203	203,333	732,000
14-02-2008	13:12:57	4711828,000	122,000	0,203	203,333	732,000
14-02-2008	13:22:57	4711949,000	121,000	0,202	201,667	726,000
14-02-2008	13:32:57	4712070,000	121,000	0,202	201,667	726,000
14-02-2008	13:42:57	4712192,000	122,000	0,203	203,333	732,000
14-02-2008	13:52:57	4712314,000	122,000	0,203	203,333	732,000
14-02-2008	14:02:57	4712434,000	120,000	0,200	200,000	720,000
14-02-2008	14:12:57	4712555,000	121,000	0,202	201,667	726,000
14-02-2008	14:22:57	4712677,000	122,000	0,203	203,333	732,000
14-02-2008	14:32:57	4712797,000	120,000	0,200	200,000	720,000
14-02-2008	14:42:57	4712918,000	121,000	0,202	201,667	726,000
14-02-2008	14:52:57	4713039,000	121,000	0,202	201,667	726,000
14-02-2008	15:02:57	4713161,000	122,000	0,203	203,333	732,000
14-02-2008	15:12:57	4713282,000	121,000	0,202	201,667	726,000
14-02-2008	15:22:57	4713403,000	121,000	0,202	201,667	726,000
14-02-2008	15:32:57	4713524,000	121,000	0,202	201,667	726,000
14-02-2008	15:42:57	4713644,000	120,000	0,200	200,000	720,000
14-02-2008	15:52:57	4713765,000	121,000	0,202	201,667	726,000
14-02-2008	16:02:57	4713887,000	122,000	0,203	203,333	732,000
14-02-2008	16:12:57	4714007,000	120,000	0,200	200,000	720,000
14-02-2008	16:22:57	4714127,000	120,000	0,200	200,000	720,000
14-02-2008	16:32:57	4714248,000	121,000	0,202	201,667	726,000
14-02-2008	16:42:57	4714369,000	121,000	0,202	201,667	726,000
14-02-2008	16:52:57	4714489,000	120,000	0,200	200,000	720,000
14-02-2008	17:02:57	4714609,000	120,000	0,200	200,000	720,000
14-02-2008	17:12:57	4714730,000	121,000	0,202	201,667	726,000

14-02-2008	17:22:57	4714849,000	119,000	0,198	198,333	714,000
14-02-2008	17:32:57	4714969,000	120,000	0,200	200,000	720,000
14-02-2008	17:42:57	4715090,000	121,000	0,202	201,667	726,000
14-02-2008	17:52:57	4715209,000	119,000	0,198	198,333	714,000
14-02-2008	18:02:57	4715329,000	120,000	0,200	200,000	720,000
14-02-2008	18:12:57	4715448,000	119,000	0,198	198,333	714,000
14-02-2008	18:22:57	4715568,000	120,000	0,200	200,000	720,000
14-02-2008	18:32:57	4715687,000	119,000	0,198	198,333	714,000
14-02-2008	18:42:58	4715807,000	120,000	0,200	200,000	720,000
14-02-2008	18:52:58	4715927,000	120,000	0,200	200,000	720,000
14-02-2008	19:02:58	4716046,000	119,000	0,198	198,333	714,000
14-02-2008	19:12:58	4716167,000	121,000	0,202	201,667	726,000
14-02-2008	19:22:58	4716287,000	120,000	0,200	200,000	720,000
14-02-2008	19:32:58	4716406,000	119,000	0,198	198,333	714,000
14-02-2008	19:42:58	4716526,000	120,000	0,200	200,000	720,000
14-02-2008	19:52:58	4716648,000	122,000	0,203	203,333	732,000
14-02-2008	20:02:58	4716769,000	121,000	0,202	201,667	726,000
14-02-2008	20:12:58	4716889,000	120,000	0,200	200,000	720,000
14-02-2008	20:22:58	4717011,000	122,000	0,203	203,333	732,000
14-02-2008	20:32:58	4717132,000	121,000	0,202	201,667	726,000
14-02-2008	20:42:58	4717253,000	121,000	0,202	201,667	726,000
14-02-2008	20:52:58	4717375,000	122,000	0,203	203,333	732,000
14-02-2008	21:02:58	4717496,000	121,000	0,202	201,667	726,000
14-02-2008	21:12:58	4717617,000	121,000	0,202	201,667	726,000
14-02-2008	21:22:58	4717739,000	122,000	0,203	203,333	732,000
14-02-2008	21:32:58	4717860,000	121,000	0,202	201,667	726,000
14-02-2008	21:42:58	4717982,000	122,000	0,203	203,333	732,000
14-02-2008	21:52:58	4718102,000	120,000	0,200	200,000	720,000
14-02-2008	22:02:58	4718222,000	120,000	0,200	200,000	720,000
14-02-2008	22:12:58	4718343,000	121,000	0,202	201,667	726,000
14-02-2008	22:22:58	4718462,000	119,000	0,198	198,333	714,000
14-02-2008	22:32:58	4718582,000	120,000	0,200	200,000	720,000
14-02-2008	22:42:58	4718703,000	121,000	0,202	201,667	726,000
14-02-2008	22:52:58	4718822,000	119,000	0,198	198,333	714,000
14-02-2008	23:02:58	4718942,000	120,000	0,200	200,000	720,000
14-02-2008	23:12:58	4719062,000	120,000	0,200	200,000	720,000
14-02-2008	23:22:58	4719181,000	119,000	0,198	198,333	714,000
14-02-2008	23:32:58	4719301,000	120,000	0,200	200,000	720,000
14-02-2008	23:42:58	4719420,000	119,000	0,198	198,333	714,000
14-02-2008	23:52:59	4719541,000	121,000	0,202	201,667	726,000
15-02-2008	00:00:02	4719625,000	84,000	0,199	198,582	714,894

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	Caudais Médios m3/h	Caudal Médio Horário	Factor de Consumo
Hora	**Caudal (m3/h)**								
00:00-00:10	729,310	731,377	724,675	720,000	732,000	720,000	726,227	724,371	1,005
00:10-00:20	714,000	726,000	732,000	720,000	720,000	720,000	722,000		0,999
00:20-00:30	720,000	726,000	732,000	726,000	738,000	720,000	727,000		1,006
00:30-00:40	720,000	738,000	720,000	726,000	726,000	720,000	725,000		1,003
00:40-00:50	720,000	720,000	738,000	720,000	720,000	720,000	723,000		1,001
00:50-01:00	714,000	732,000	726,000	714,000	738,000	714,000	723,000		1,001
01:00-01:10	726,000	726,000	726,000	720,000	726,000	720,000	724,000	723,000	1,002
01:10-01:20	720,000	726,000	726,000	720,000	720,000	726,000	723,000		1,001
01:20-01:30	720,000	726,000	726,000	726,000	732,000	720,000	725,000		1,003
01:30-01:40	720,000	720,000	726,000	720,000	726,000	714,000	721,000		0,998
01:40-01:50	714,000	726,000	732,000	720,000	726,000	720,000	723,000		1,001
01:50-02:00	720,000	720,000	720,000	720,000	726,000	726,000	722,000		0,999
02:00-02:10	714,000	732,000	732,000	720,000	726,000	714,000	723,000	721,833	1,001
02:10-02:20	720,000	720,000	720,000	720,000	726,000	720,000	721,000		0,998
02:20-02:30	714,000	720,000	726,000	714,000	726,000	720,000	720,000		0,997
02:30-02:40	720,000	732,000	732,000	720,000	726,000	720,000	725,000		1,003
02:40-02:50	714,000	720,000	726,000	720,000	726,000	720,000	721,000		0,998
02:50-03:00	726,000	720,000	714,000	726,000	720,000	720,000	721,000		0,998
03:00-03:10	708,000	726,000	732,000	714,000	732,000	720,000	722,000	721,333	0,999
03:10-03:20	720,000	720,000	726,000	714,000	720,000	720,000	720,000		0,997
03:20-03:30	720,000	720,000	720,000	726,000	726,000	720,000	722,000		0,999
03:30-03:40	714,000	732,000	726,000	720,000	732,000	720,000	724,000		1,002
03:40-03:50	720,000	714,000	726,000	708,000	720,000	720,000	718,000		0,994
03:50-04:00	714,000	720,000	726,000	720,000	726,000	726,000	722,000		0,999
04:00-04:10	720,000	726,000	720,000	714,000	738,000	720,000	723,000	721,667	1,001
04:10-04:20	714,000	720,000	732,000	726,000	726,000	714,000	722,000		0,999
04:20-04:30	720,000	720,000	714,000	714,000	720,000	726,000	719,000		0,995
04:30-04:40	726,000	720,000	726,000	720,000	732,000	726,000	725,000		1,003
04:40-04:50	720,000	720,000	726,000	720,000	726,000	714,000	721,000		0,998
04:50-05:00	714,000	720,000	720,000	714,000	726,000	726,000	720,000		0,997
05:00-05:10	720,000	720,000	720,000	720,000	732,000	726,000	723,000	722,833	1,001
05:10-05:20	720,000	720,000	732,000	720,000	726,000	726,000	724,000		1,002
05:20-05:30	720,000	720,000	720,000	714,000	726,000	726,000	721,000		0,998
05:30-05:40	720,000	714,000	720,000	714,000	732,000	726,000	721,000		0,998
05:40-05:50	720,000	720,000	720,000	726,000	726,000	720,000	722,000		0,999
05:50-06:00	720,000	726,000	726,000	720,000	738,000	726,000	726,000		1,005
06:00-06:10	720,000	714,000	720,000	708,000	720,000	726,000	718,000	722,667	0,994
06:10-06:20	720,000	720,000	720,000	726,000	726,000	732,000	724,000		1,002
06:20-06:30	720,000	720,000	720,000	720,000	738,000	726,000	724,000		1,002
06:30-06:40	720,000	714,000	732,000	714,000	726,000	732,000	723,000		1,001
06:40-06:50	720,000	720,000	714,000	726,000	726,000	726,000	722,000		0,999
06:50-07:00	726,000	720,000	720,000	720,000	732,000	732,000	725,000		1,003
07:00-07:10	720,000	720,000	726,000	720,000	726,000	726,000	723,000	723,167	1,001
07:10-07:20	720,000	720,000	720,000	720,000	726,000	732,000	723,000		1,001
07:20-07:30	720,000	720,000	714,000	720,000	726,000	726,000	721,000		0,998
07:30-07:40	720,000	720,000	726,000	726,000	732,000	732,000	726,000		1,005
07:40-07:50	720,000	720,000	726,000	720,000	732,000	726,000	724,000		1,002
07:50-08:00	720,000	720,000	714,000	720,000	726,000	732,000	722,000		0,999

08:00-08:10	726,000	726,000	720,000	720,000	726,000	726,000	724,000	723,333	1,002
08:10-08:20	714,000	720,000	726,000	726,000	732,000	738,000	726,000		1,005
08:20-08:30	720,000	714,000	720,000	726,000	720,000	726,000	721,000		0,998
08:30-08:40	720,000	720,000	708,000	726,000	738,000	732,000	724,000		1,002
08:40-08:50	720,000	726,000	726,000	714,000	726,000	726,000	723,000		1,001
08:50-09:00	720,000	726,000	714,000	726,000	714,000	732,000	722,000		0,999
09:00-09:10	720,000	714,000	720,000	720,000	732,000	732,000	723,000	722,333	1,001
09:10-09:20	714,000	726,000	714,000	726,000	726,000	732,000	723,000		1,001
09:20-09:30	714,000	720,000	714,000	720,000	720,000	732,000	720,000		0,997
09:30-09:40	726,000	726,000	720,000	720,000	720,000	726,000	723,000		1,001
09:40-09:50	720,000	714,000	720,000	726,000	726,000	732,000	723,000		1,001
09:50-10:00	720,000	726,000	720,000	714,000	726,000	726,000	722,000		0,999
10:00-10:10	720,000	726,000	720,000	732,000	720,000	732,000	725,000	724,500	1,003
10:10-10:20	720,000	714,000	714,000	726,000	726,000	732,000	722,000		0,999
10:20-10:30	720,000	726,000	732,000	726,000	720,000	726,000	725,000		1,003
10:30-10:40	720,000	732,000	720,000	726,000	726,000	732,000	726,000		1,005
10:40-10:50	720,000	714,000	714,000	726,000	720,000	726,000	720,000		0,997
10:50-11:00	732,000	732,000	726,000	726,000	726,000	732,000	729,000		1,009
11:00-11:10	714,000	726,000	726,000	726,000	720,000	732,000	724,000	726,000	1,002
11:10-11:20	726,000	720,000	714,000	738,000	714,000	732,000	724,000		1,002
11:20-11:30	726,000	726,000	732,000	726,000	726,000	732,000	728,000		1,008
11:30-11:40	720,000	726,000	720,000	732,000	720,000	738,000	726,000		1,005
11:40-11:50	726,000	726,000	726,000	732,000	720,000	726,000	726,000		1,005
11:50-12:00	732,000	726,000	726,000	726,000	720,000	738,000	728,000		1,008
12:00-12:10	720,000	732,000	720,000	732,000	720,000	732,000	726,000	727,500	1,005
12:10-12:20	726,000	720,000	726,000	732,000	720,000	732,000	726,000		1,005
12:20-12:30	732,000	726,000	720,000	732,000	768,000	732,000	735,000		1,017
12:30-12:40	726,000	720,000	726,000	738,000	720,000	732,000	727,000		1,006
12:40-12:50	726,000	726,000	726,000	720,000	720,000	732,000	725,000		1,003
12:50-13:00	726,000	726,000	726,000	732,000	714,000	732,000	726,000		1,005
13:00-13:10	726,000	714,000	720,000	732,000	726,000	732,000	725,000	722,500	1,003
13:10-13:20	720,000	726,000	720,000	732,000	708,000	726,000	722,000		0,999
13:20-13:30	726,000	726,000	720,000	726,000	714,000	726,000	723,000		1,001
13:30-13:40	726,000	720,000	708,000	732,000	726,000	732,000	724,000		1,002
13:40-13:50	720,000	720,000	726,000	732,000	708,000	732,000	723,000		1,001
13:50-14:00	720,000	720,000	720,000	720,000	708,000	720,000	718,000		0,994
14:00-14:10	726,000	726,000	714,000	738,000	720,000	726,000	725,000	720,333	1,003
14:10-14:20	726,000	720,000	720,000	726,000	702,000	732,000	721,000		0,998
14:20-14:30	714,000	720,000	720,000	726,000	702,000	720,000	717,000		0,992
14:30-14:40	720,000	720,000	720,000	726,000	708,000	726,000	720,000		0,997
14:40-14:50	732,000	720,000	714,000	720,000	708,000	726,000	720,000		0,997
14:50-15:00	714,000	726,000	714,000	726,000	702,000	732,000	719,000		0,995
15:00-15:10	720,000	720,000	720,000	726,000	702,000	726,000	719,000	717,333	0,995
15:10-15:20	726,000	714,000	720,000	720,000	702,000	726,000	718,000		0,994
15:20-15:30	720,000	720,000	720,000	726,000	702,000	726,000	719,000		0,995
15:30-15:40	720,000	720,000	714,000	720,000	696,000	720,000	715,000		0,990
15:40-15:50	714,000	720,000	714,000	720,000	702,000	726,000	716,000		0,991
15:50-16:00	720,000	708,000	720,000	720,000	702,000	732,000	717,000		0,992
16:00-16:10	720,000	726,000	720,000	720,000	696,000	720,000	717,000	717,833	0,992
16:10-16:20	720,000	714,000	720,000	720,000	708,000	720,000	717,000		0,992
16:20-16:30	726,000	720,000	714,000	726,000	696,000	726,000	718,000		0,994
16:30-16:40	714,000	720,000	720,000	714,000	696,000	726,000	715,000		0,990
16:40-16:50	720,000	714,000	720,000	720,000	720,000	720,000	719,000		0,995
16:50-17:00	720,000	720,000	714,000	726,000	726,000	720,000	721,000		0,998

17:00-17:10	720,000	714,000	720,000	720,000	720,000	726,000	720,000	718,833	0,997
17:10-17:20	708,000	714,000	720,000	720,000	714,000	714,000	715,000		0,990
17:20-17:30	726,000	726,000	720,000	720,000	720,000	720,000	722,000		0,999
17:30-17:40	714,000	720,000	720,000	720,000	720,000	726,000	720,000		0,997
17:40-17:50	708,000	714,000	720,000	720,000	720,000	714,000	716,000		0,991
17:50-18:00	726,000	720,000	720,000	720,000	714,000	720,000	720,000		0,997
18:00-18:10	714,000	720,000	714,000	720,000	720,000	714,000	717,000	718,333	0,992
18:10-18:20	720,000	708,000	720,000	720,000	720,000	720,000	718,000		0,994
18:20-18:30	714,000	726,000	714,000	714,000	714,000	714,000	716,000		0,991
18:30-18:40	720,000	720,000	720,000	720,000	720,000	720,000	720,000		0,997
18:40-18:50	714,000	720,000	720,000	720,000	720,000	720,000	719,000		0,995
18:50-19:00	720,000	720,000	720,000	726,000	720,000	714,000	720,000		0,997
19:00-19:10	720,000	720,000	720,000	720,000	720,000	726,000	721,000	722,591	0,998
19:10-19:20	720,000	714,000	720,000	726,000	726,000	720,000	721,000		0,998
19:20-19:30	720,000	720,000	720,000	726,000	726,000	714,000	721,000		0,998
19:30-19:40	714,000	720,000	756,000	714,000	720,000	720,000	724,000		1,002
19:40-19:50	720,000	726,000	723,263	726,000	720,000	732,000	724,544		1,003
19:50-20:00	726,000	720,000	720,000	732,000	720,000	726,000	724,000		1,002
20:00-20:10	720,000	720,000	726,000	726,000	720,000	720,000	722,000	724,000	0,999
20:10-20:20	714,000	720,000	720,000	726,000	732,000	732,000	724,000		1,002
20:20-20:30	726,000	720,000	720,000	726,000	720,000	726,000	723,000		1,001
20:30-20:40	720,000	726,000	726,000	726,000	726,000	726,000	725,000		1,003
20:40-20:50	720,000	720,000	720,000	732,000	726,000	732,000	725,000		1,003
20:50-21:00	720,000	720,000	726,000	726,000	732,000	726,000	725,000		1,003
21:00-21:10	720,000	720,000	732,000	732,000	726,000	726,000	726,000	725,167	1,005
21:10-21:20	726,000	726,000	726,000	726,000	726,000	732,000	727,000		1,006
21:20-21:30	720,000	720,000	726,000	732,000	726,000	726,000	725,000		1,003
21:30-21:40	720,000	726,000	726,000	726,000	726,000	732,000	726,000		1,005
21:40-21:50	720,000	720,000	720,000	732,000	732,000	720,000	724,000		1,002
21:50-22:00	726,000	726,000	726,000	720,000	720,000	720,000	723,000		1,001
22:00-22:10	726,000	726,000	726,000	732,000	720,000	726,000	726,000	724,500	1,005
22:10-22:20	720,000	726,000	726,000	720,000	720,000	714,000	721,000		0,998
22:20-22:30	726,000	726,000	732,000	738,000	714,000	720,000	726,000		1,005
22:30-22:40	720,000	732,000	720,000	720,000	726,000	726,000	724,000		1,002
22:40-22:50	732,000	726,000	726,000	726,000	720,000	714,000	724,000		1,002
22:50-23:00	726,000	732,000	726,000	732,000	720,000	720,000	726,000		1,005
23:00-23:10	720,000	726,000	732,000	726,000	714,000	720,000	723,000	724,150	1,001
23:10-23:20	732,000	726,000	720,000	726,000	720,000	714,000	723,000		1,001
23:20-23:30	726,000	732,000	726,000	726,000	720,000	720,000	725,000		1,003
23:30-23:40	726,000	726,000	726,000	726,000	720,000	714,000	723,000		1,001
23:40-23:50	732,000	732,000	720,000	726,000	726,000	726,000	727,000		1,006
23:50-00:00	726,000	726,000	725,692	732,438	718,367	714,894	723,898		1,002

Caudal Médio Diário = 722,505 m3/h

Caudais Médios *Jovim - Nova Sintra (saída de Jovim)*
Caudal (m3/h)
740
735
730
725
720
715
710
705
00:00-00:10
00:40-00:50
01:20-01:30
02:00-02:10
02:40-02:50
03:20-03:30
04:00-04:10
04:40-04:50
05:20-05:30
06:00-06:10
06:40-06:50
07:20-07:30
08:00-08:10
08:40-08:50
09:20-09:30
10:00-10:10
10:40-10:50
11:20-11:30
12:00-12:10
12:40-12:50
13:20-13:30
14:00-14:10
14:40-14:50
15:20-15:30
16:00-16:10
16:40-16:50
17:20-17:30
18:00-18:10
18:40-18:50
19:20-19:30
20:00-20:10
20:40-20:50
21:20-21:30
22:00-22:10
22:40-22:50
23:20-23:30
Hora

Caudais Médios Horários *Jovim - Nova Sintra (saída de Jovim)*
Caudal (m3/h)
730
728
726
724
722
720
718
716
714
712
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CAUDAIS

Jovim – Ramalde (saída de Jovim)

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	63230700,000				
09-02-2008	00:07:45	63231232,000	532,000	1,147	1146,552	4127,586
09-02-2008	00:17:45	63231920,000	688,000	1,147	1146,667	4128,000
09-02-2008	00:27:45	63232604,000	684,000	1,140	1140,000	4104,000
09-02-2008	00:37:45	63233288,000	684,000	1,140	1140,000	4104,000
09-02-2008	00:47:45	63233980,000	692,000	1,153	1153,333	4152,000
09-02-2008	00:57:46	63234660,000	680,000	1,133	1133,333	4080,000
09-02-2008	01:07:46	63235348,000	688,000	1,147	1146,667	4128,000
09-02-2008	01:17:46	63236028,000	680,000	1,133	1133,333	4080,000
09-02-2008	01:27:46	63236716,000	688,000	1,147	1146,667	4128,000
09-02-2008	01:37:46	63237400,000	684,000	1,140	1140,000	4104,000
09-02-2008	01:47:46	63238080,000	680,000	1,133	1133,333	4080,000
09-02-2008	01:57:46	63238764,000	684,000	1,140	1140,000	4104,000
09-02-2008	02:07:46	63239444,000	680,000	1,133	1133,333	4080,000
09-02-2008	02:17:46	63240124,000	680,000	1,133	1133,333	4080,000
09-02-2008	02:27:46	63240804,000	680,000	1,133	1133,333	4080,000
09-02-2008	02:37:46	63241484,000	680,000	1,133	1133,333	4080,000
09-02-2008	02:47:46	63242164,000	680,000	1,133	1133,333	4080,000
09-02-2008	02:57:46	63242844,000	680,000	1,133	1133,333	4080,000
09-02-2008	03:07:46	63243524,000	680,000	1,133	1133,333	4080,000
09-02-2008	03:17:46	63244200,000	676,000	1,127	1126,667	4056,000
09-02-2008	03:27:46	63244888,000	688,000	1,147	1146,667	4128,000
09-02-2008	03:37:46	63245560,000	672,000	1,120	1120,000	4032,000
09-02-2008	03:47:46	63246248,000	688,000	1,147	1146,667	4128,000
09-02-2008	03:57:46	63246928,000	680,000	1,133	1133,333	4080,000
09-02-2008	04:07:46	63247604,000	676,000	1,127	1126,667	4056,000
09-02-2008	04:17:46	63248284,000	680,000	1,133	1133,333	4080,000
09-02-2008	04:27:46	63248968,000	684,000	1,140	1140,000	4104,000
09-02-2008	04:37:46	63249648,000	680,000	1,133	1133,333	4080,000
09-02-2008	04:47:46	63250328,000	680,000	1,133	1133,333	4080,000
09-02-2008	04:57:46	63251016,000	688,000	1,147	1146,667	4128,000
09-02-2008	05:07:46	63251700,000	684,000	1,140	1140,000	4104,000
09-02-2008	05:17:46	63252380,000	680,000	1,133	1133,333	4080,000
09-02-2008	05:27:47	63253064,000	684,000	1,140	1140,000	4104,000
09-02-2008	05:37:47	63253748,000	684,000	1,140	1140,000	4104,000
09-02-2008	05:47:47	63254436,000	688,000	1,147	1146,667	4128,000
09-02-2008	05:57:47	63255116,000	680,000	1,133	1133,333	4080,000
09-02-2008	06:07:47	63255800,000	684,000	1,140	1140,000	4104,000
09-02-2008	06:17:47	63256496,000	696,000	1,160	1160,000	4176,000
09-02-2008	06:27:47	63257172,000	676,000	1,127	1126,667	4056,000
09-02-2008	06:37:47	63257860,000	688,000	1,147	1146,667	4128,000
09-02-2008	06:47:47	63258540,000	680,000	1,133	1133,333	4080,000
09-02-2008	06:57:47	63259220,000	680,000	1,133	1133,333	4080,000
09-02-2008	07:07:47	63259908,000	688,000	1,147	1146,667	4128,000
09-02-2008	07:17:47	63260600,000	692,000	1,153	1153,333	4152,000
09-02-2008	07:27:47	63261288,000	688,000	1,147	1146,667	4128,000
09-02-2008	07:37:47	63261980,000	692,000	1,153	1153,333	4152,000
09-02-2008	07:47:47	63262668,000	688,000	1,147	1146,667	4128,000
09-02-2008	07:57:47	63263360,000	692,000	1,153	1153,333	4152,000

09-02-2008	08:07:47	63264056,000	696,000	1,160	1160,000	4176,000
09-02-2008	08:17:47	63264740,000	684,000	1,140	1140,000	4104,000
09-02-2008	08:27:47	63265428,000	688,000	1,147	1146,667	4128,000
09-02-2008	08:37:47	63266112,000	684,000	1,140	1140,000	4104,000
09-02-2008	08:47:47	63266796,000	684,000	1,140	1140,000	4104,000
09-02-2008	08:57:47	63267480,000	684,000	1,140	1140,000	4104,000
09-02-2008	09:07:47	63268156,000	676,000	1,127	1126,667	4056,000
09-02-2008	09:17:47	63268828,000	672,000	1,120	1120,000	4032,000
09-02-2008	09:27:47	63269512,000	684,000	1,140	1140,000	4104,000
09-02-2008	09:37:47	63270076,000	564,000	0,940	940,000	3384,000
09-02-2008	09:47:47	63270160,000	84,000	0,140	140,000	504,000
09-02-2008	09:57:47	63270244,000	84,000	0,140	140,000	504,000
09-02-2008	10:07:47	63270328,000	84,000	0,140	140,000	504,000
09-02-2008	10:17:47	63270416,000	88,000	0,147	146,667	528,000
09-02-2008	10:27:47	63270500,000	84,000	0,140	140,000	504,000
09-02-2008	10:37:47	63270584,000	84,000	0,140	140,000	504,000
09-02-2008	10:47:47	63270668,000	84,000	0,140	140,000	504,000
09-02-2008	10:57:47	63270756,000	88,000	0,147	146,667	528,000
09-02-2008	11:07:47	63270840,000	84,000	0,140	140,000	504,000
09-02-2008	11:17:47	63270920,000	80,000	0,133	133,333	480,000
09-02-2008	11:27:47	63271008,000	88,000	0,147	146,667	528,000
09-02-2008	11:37:47	63271092,000	84,000	0,140	140,000	504,000
09-02-2008	11:47:47	63271176,000	84,000	0,140	140,000	504,000
09-02-2008	11:57:47	63271260,000	84,000	0,140	140,000	504,000
09-02-2008	12:07:47	63271344,000	84,000	0,140	140,000	504,000
09-02-2008	12:17:47	63271428,000	84,000	0,140	140,000	504,000
09-02-2008	12:27:47	63271512,000	84,000	0,140	140,000	504,000
09-02-2008	12:37:47	63271596,000	84,000	0,140	140,000	504,000
09-02-2008	12:47:47	63272056,000	460,000	0,767	766,667	2760,000
09-02-2008	12:57:48	63272760,000	704,000	1,173	1173,333	4224,000
09-02-2008	13:07:48	63273460,000	700,000	1,167	1166,667	4200,000
09-02-2008	13:17:48	63274160,000	700,000	1,167	1166,667	4200,000
09-02-2008	13:27:48	63274860,000	700,000	1,167	1166,667	4200,000
09-02-2008	13:37:48	63275556,000	696,000	1,160	1160,000	4176,000
09-02-2008	13:47:48	63276252,000	696,000	1,160	1160,000	4176,000
09-02-2008	13:57:48	63276944,000	692,000	1,153	1153,333	4152,000
09-02-2008	14:07:48	63277640,000	696,000	1,160	1160,000	4176,000
09-02-2008	14:17:48	63278340,000	700,000	1,167	1166,667	4200,000
09-02-2008	14:27:48	63279024,000	684,000	1,140	1140,000	4104,000
09-02-2008	14:37:48	63279724,000	700,000	1,167	1166,667	4200,000
09-02-2008	14:47:48	63280416,000	692,000	1,153	1153,333	4152,000
09-02-2008	14:57:48	63281104,000	688,000	1,147	1146,667	4128,000
09-02-2008	15:07:48	63281796,000	692,000	1,153	1153,333	4152,000
09-02-2008	15:17:48	63282484,000	688,000	1,147	1146,667	4128,000
09-02-2008	15:27:48	63283172,000	688,000	1,147	1146,667	4128,000
09-02-2008	15:37:48	63283860,000	688,000	1,147	1146,667	4128,000
09-02-2008	15:47:48	63284548,000	688,000	1,147	1146,667	4128,000
09-02-2008	15:57:48	63285240,000	692,000	1,153	1153,333	4152,000
09-02-2008	16:07:48	63285924,000	684,000	1,140	1140,000	4104,000
09-02-2008	16:17:48	63286612,000	688,000	1,147	1146,667	4128,000
09-02-2008	16:27:48	63287300,000	688,000	1,147	1146,667	4128,000
09-02-2008	16:37:48	63287980,000	680,000	1,133	1133,333	4080,000
09-02-2008	16:47:48	63288660,000	680,000	1,133	1133,333	4080,000
09-02-2008	16:57:48	63289348,000	688,000	1,147	1146,667	4128,000
09-02-2008	17:07:48	63290028,000	680,000	1,133	1133,333	4080,000

09-02-2008	17:17:48	63290712,000	684,000	1,140	1140,000	4104,000
09-02-2008	17:27:48	63291392,000	680,000	1,133	1133,333	4080,000
09-02-2008	17:37:48	63292076,000	684,000	1,140	1140,000	4104,000
09-02-2008	17:47:48	63292756,000	680,000	1,133	1133,333	4080,000
09-02-2008	17:57:48	63293428,000	672,000	1,120	1120,000	4032,000
09-02-2008	18:07:48	63294104,000	676,000	1,127	1126,667	4056,000
09-02-2008	18:17:48	63294784,000	680,000	1,133	1133,333	4080,000
09-02-2008	18:27:48	63295460,000	676,000	1,127	1126,667	4056,000
09-02-2008	18:37:48	63296140,000	680,000	1,133	1133,333	4080,000
09-02-2008	18:47:48	63296828,000	688,000	1,147	1146,667	4128,000
09-02-2008	18:57:48	63297520,000	692,000	1,153	1153,333	4152,000
09-02-2008	19:07:48	63298200,000	680,000	1,133	1133,333	4080,000
09-02-2008	19:17:48	63298884,000	684,000	1,140	1140,000	4104,000
09-02-2008	19:27:48	63299580,000	696,000	1,160	1160,000	4176,000
09-02-2008	19:37:49	63300260,000	680,000	1,133	1133,333	4080,000
09-02-2008	19:47:49	63300948,000	688,000	1,147	1146,667	4128,000
09-02-2008	19:57:49	63301648,000	700,000	1,167	1166,667	4200,000
09-02-2008	20:07:49	63302340,000	692,000	1,153	1153,333	4152,000
09-02-2008	20:17:49	63303028,000	688,000	1,147	1146,667	4128,000
09-02-2008	20:27:49	63303720,000	692,000	1,153	1153,333	4152,000
09-02-2008	20:37:49	63304408,000	688,000	1,147	1146,667	4128,000
09-02-2008	20:47:49	63305100,000	692,000	1,153	1153,333	4152,000
09-02-2008	20:57:49	63305796,000	696,000	1,160	1160,000	4176,000
09-02-2008	21:07:49	63306484,000	688,000	1,147	1146,667	4128,000
09-02-2008	21:17:49	63307176,000	692,000	1,153	1153,333	4152,000
09-02-2008	21:27:49	63307868,000	692,000	1,153	1153,333	4152,000
09-02-2008	21:37:49	63308564,000	696,000	1,160	1160,000	4176,000
09-02-2008	21:47:49	63309264,000	700,000	1,167	1166,667	4200,000
09-02-2008	21:57:49	63309956,000	692,000	1,153	1153,333	4152,000
09-02-2008	22:07:49	63310656,000	700,000	1,167	1166,667	4200,000
09-02-2008	22:17:49	63311352,000	696,000	1,160	1160,000	4176,000
09-02-2008	22:27:49	63312056,000	704,000	1,173	1173,333	4224,000
09-02-2008	22:37:49	63312756,000	700,000	1,167	1166,667	4200,000
09-02-2008	22:47:49	63313468,000	712,000	1,187	1186,667	4272,000
09-02-2008	22:57:49	63314180,000	712,000	1,187	1186,667	4272,000
09-02-2008	23:07:49	63314892,000	712,000	1,187	1186,667	4272,000
09-02-2008	23:17:49	63315604,000	712,000	1,187	1186,667	4272,000
09-02-2008	23:27:49	63316320,000	716,000	1,193	1193,333	4296,000
09-02-2008	23:37:49	63317032,000	712,000	1,187	1186,667	4272,000
09-02-2008	23:47:49	63317748,000	716,000	1,193	1193,333	4296,000
09-02-2008	23:57:49	63318464,000	716,000	1,193	1193,333	4296,000
10-02-2008	00:00:26	63318656,000	192,000	1,223	1222,930	4402,548

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:26	63318656,000				
10-02-2008	00:07:49	63319188,000	532,000	1,201	1200,903	4323,251
10-02-2008	00:17:49	63319896,000	708,000	1,180	1180,000	4248,000
10-02-2008	00:27:49	63320608,000	712,000	1,187	1186,667	4272,000
10-02-2008	00:37:49	63321324,000	716,000	1,193	1193,333	4296,000
10-02-2008	00:47:49	63322032,000	708,000	1,180	1180,000	4248,000
10-02-2008	00:57:49	63322748,000	716,000	1,193	1193,333	4296,000
10-02-2008	01:07:50	63323460,000	712,000	1,187	1186,667	4272,000
10-02-2008	01:17:50	63324164,000	704,000	1,173	1173,333	4224,000
10-02-2008	01:27:50	63324872,000	708,000	1,180	1180,000	4248,000
10-02-2008	01:37:50	63325580,000	708,000	1,180	1180,000	4248,000
10-02-2008	01:47:50	63326288,000	708,000	1,180	1180,000	4248,000
10-02-2008	01:57:50	63326996,000	708,000	1,180	1180,000	4248,000
10-02-2008	02:07:50	63327700,000	704,000	1,173	1173,333	4224,000
10-02-2008	02:17:50	63328400,000	700,000	1,167	1166,667	4200,000
10-02-2008	02:27:50	63329100,000	700,000	1,167	1166,667	4200,000
10-02-2008	02:37:50	63329800,000	700,000	1,167	1166,667	4200,000
10-02-2008	02:47:50	63330504,000	704,000	1,173	1173,333	4224,000
10-02-2008	02:57:50	63331200,000	696,000	1,160	1160,000	4176,000
10-02-2008	03:07:50	63331900,000	700,000	1,167	1166,667	4200,000
10-02-2008	03:17:51	63332600,000	700,000	1,167	1166,667	4200,000
10-02-2008	03:27:51	63333300,000	700,000	1,167	1166,667	4200,000
10-02-2008	03:37:51	63333996,000	696,000	1,160	1160,000	4176,000
10-02-2008	03:47:51	63334696,000	700,000	1,167	1166,667	4200,000
10-02-2008	03:57:51	63335388,000	692,000	1,153	1153,333	4152,000
10-02-2008	04:07:51	63336084,000	696,000	1,160	1160,000	4176,000
10-02-2008	04:17:51	63336780,000	696,000	1,160	1160,000	4176,000
10-02-2008	04:27:51	63337476,000	696,000	1,160	1160,000	4176,000
10-02-2008	04:37:51	63338168,000	692,000	1,153	1153,333	4152,000
10-02-2008	04:47:51	63338868,000	700,000	1,167	1166,667	4200,000
10-02-2008	04:57:51	63339560,000	692,000	1,153	1153,333	4152,000
10-02-2008	05:07:51	63340256,000	696,000	1,160	1160,000	4176,000
10-02-2008	05:17:51	63340948,000	692,000	1,153	1153,333	4152,000
10-02-2008	05:27:51	63341640,000	692,000	1,153	1153,333	4152,000
10-02-2008	05:37:52	63342332,000	692,000	1,153	1153,333	4152,000
10-02-2008	05:47:52	63343024,000	692,000	1,153	1153,333	4152,000
10-02-2008	05:57:52	63343716,000	692,000	1,153	1153,333	4152,000
10-02-2008	06:07:52	63344408,000	692,000	1,153	1153,333	4152,000
10-02-2008	06:17:52	63345100,000	692,000	1,153	1153,333	4152,000
10-02-2008	06:27:52	63345788,000	688,000	1,147	1146,667	4128,000
10-02-2008	06:37:52	63346480,000	692,000	1,153	1153,333	4152,000
10-02-2008	06:47:52	63347168,000	688,000	1,147	1146,667	4128,000
10-02-2008	06:57:52	63347860,000	692,000	1,153	1153,333	4152,000
10-02-2008	07:07:52	63348556,000	696,000	1,160	1160,000	4176,000
10-02-2008	07:17:52	63349240,000	684,000	1,140	1140,000	4104,000
10-02-2008	07:27:52	63349940,000	700,000	1,167	1166,667	4200,000
10-02-2008	07:37:52	63350632,000	692,000	1,153	1153,333	4152,000
10-02-2008	07:47:52	63351324,000	692,000	1,153	1153,333	4152,000

10-02-2008	07:57:52	63352020,000	696,000	1,160	1160,000	4176,000
10-02-2008	08:07:52	63352716,000	696,000	1,160	1160,000	4176,000
10-02-2008	08:17:52	63353412,000	696,000	1,160	1160,000	4176,000
10-02-2008	08:27:52	63354108,000	696,000	1,160	1160,000	4176,000
10-02-2008	08:37:52	63354804,000	696,000	1,160	1160,000	4176,000
10-02-2008	08:47:52	63355500,000	696,000	1,160	1160,000	4176,000
10-02-2008	08:57:52	63356204,000	704,000	1,173	1173,333	4224,000
10-02-2008	09:07:52	63356900,000	696,000	1,160	1160,000	4176,000
10-02-2008	09:17:52	63357596,000	696,000	1,160	1160,000	4176,000
10-02-2008	09:27:52	63358300,000	704,000	1,173	1173,333	4224,000
10-02-2008	09:37:52	63359000,000	700,000	1,167	1166,667	4200,000
10-02-2008	09:47:52	63359700,000	700,000	1,167	1166,667	4200,000
10-02-2008	09:57:52	63360404,000	704,000	1,173	1173,333	4224,000
10-02-2008	10:07:52	63361112,000	708,000	1,180	1180,000	4248,000
10-02-2008	10:17:52	63361820,000	708,000	1,180	1180,000	4248,000
10-02-2008	10:27:53	63362524,000	704,000	1,173	1173,333	4224,000
10-02-2008	10:37:53	63363236,000	712,000	1,187	1186,667	4272,000
10-02-2008	10:47:53	63363940,000	704,000	1,173	1173,333	4224,000
10-02-2008	10:57:53	63364652,000	712,000	1,187	1186,667	4272,000
10-02-2008	11:07:53	63365360,000	708,000	1,180	1180,000	4248,000
10-02-2008	11:17:53	63366072,000	712,000	1,187	1186,667	4272,000
10-02-2008	11:27:53	63366784,000	712,000	1,187	1186,667	4272,000
10-02-2008	11:37:53	63367496,000	712,000	1,187	1186,667	4272,000
10-02-2008	11:47:53	63368220,000	724,000	1,207	1206,667	4344,000
10-02-2008	11:57:53	63368924,000	704,000	1,173	1173,333	4224,000
10-02-2008	12:07:53	63369640,000	716,000	1,193	1193,333	4296,000
10-02-2008	12:17:53	63370348,000	708,000	1,180	1180,000	4248,000
10-02-2008	12:27:53	63371060,000	712,000	1,187	1186,667	4272,000
10-02-2008	12:37:53	63371760,000	700,000	1,167	1166,667	4200,000
10-02-2008	12:47:53	63372476,000	716,000	1,193	1193,333	4296,000
10-02-2008	12:57:53	63373184,000	708,000	1,180	1180,000	4248,000
10-02-2008	13:07:53	63373892,000	708,000	1,180	1180,000	4248,000
10-02-2008	13:17:53	63374600,000	708,000	1,180	1180,000	4248,000
10-02-2008	13:27:53	63375304,000	704,000	1,173	1173,333	4224,000
10-02-2008	13:37:53	63376012,000	708,000	1,180	1180,000	4248,000
10-02-2008	13:47:53	63376720,000	708,000	1,180	1180,000	4248,000
10-02-2008	13:57:53	63377420,000	700,000	1,167	1166,667	4200,000
10-02-2008	14:07:53	63378132,000	712,000	1,187	1186,667	4272,000
10-02-2008	14:17:53	63378828,000	696,000	1,160	1160,000	4176,000
10-02-2008	14:27:53	63379536,000	708,000	1,180	1180,000	4248,000
10-02-2008	14:37:53	63380240,000	704,000	1,173	1173,333	4224,000
10-02-2008	14:47:53	63380940,000	700,000	1,167	1166,667	4200,000
10-02-2008	14:57:53	63381648,000	708,000	1,180	1180,000	4248,000
10-02-2008	15:07:53	63382348,000	700,000	1,167	1166,667	4200,000
10-02-2008	15:17:53	63383056,000	708,000	1,180	1180,000	4248,000
10-02-2008	15:27:54	63383756,000	700,000	1,167	1166,667	4200,000
10-02-2008	15:37:54	63384456,000	700,000	1,167	1166,667	4200,000
10-02-2008	15:47:54	63385156,000	700,000	1,167	1166,667	4200,000
10-02-2008	15:57:54	63385860,000	704,000	1,173	1173,333	4224,000
10-02-2008	16:07:54	63386560,000	700,000	1,167	1166,667	4200,000
10-02-2008	16:17:54	63387268,000	708,000	1,180	1180,000	4248,000
10-02-2008	16:27:54	63387968,000	700,000	1,167	1166,667	4200,000
10-02-2008	16:37:54	63388668,000	700,000	1,167	1166,667	4200,000
10-02-2008	16:47:54	63389364,000	696,000	1,160	1160,000	4176,000
10-02-2008	16:57:54	63390068,000	704,000	1,173	1173,333	4224,000

10-02-2008	17:07:54	63390760,000	692,000	1,153	1153,333	4152,000
10-02-2008	17:17:54	63391464,000	704,000	1,173	1173,333	4224,000
10-02-2008	17:27:54	63392164,000	700,000	1,167	1166,667	4200,000
10-02-2008	17:37:54	63392864,000	700,000	1,167	1166,667	4200,000
10-02-2008	17:47:54	63393564,000	700,000	1,167	1166,667	4200,000
10-02-2008	17:57:54	63394268,000	704,000	1,173	1173,333	4224,000
10-02-2008	18:07:54	63394968,000	700,000	1,167	1166,667	4200,000
10-02-2008	18:17:54	63395672,000	704,000	1,173	1173,333	4224,000
10-02-2008	18:27:54	63396376,000	704,000	1,173	1173,333	4224,000
10-02-2008	18:37:54	63397080,000	704,000	1,173	1173,333	4224,000
10-02-2008	18:47:54	63397784,000	704,000	1,173	1173,333	4224,000
10-02-2008	18:57:54	63398492,000	708,000	1,180	1180,000	4248,000
10-02-2008	19:07:54	63399200,000	708,000	1,180	1180,000	4248,000
10-02-2008	19:17:54	63399908,000	708,000	1,180	1180,000	4248,000
10-02-2008	19:27:54	63400620,000	712,000	1,187	1186,667	4272,000
10-02-2008	19:37:54	63401328,000	708,000	1,180	1180,000	4248,000
10-02-2008	19:47:54	63402040,000	712,000	1,187	1186,667	4272,000
10-02-2008	19:57:54	63402752,000	712,000	1,187	1186,667	4272,000
10-02-2008	20:07:54	63403460,000	708,000	1,180	1180,000	4248,000
10-02-2008	20:17:54	63404172,000	712,000	1,187	1186,667	4272,000
10-02-2008	20:27:54	63404884,000	712,000	1,187	1186,667	4272,000
10-02-2008	20:37:54	63405596,000	712,000	1,187	1186,667	4272,000
10-02-2008	20:47:54	63406308,000	712,000	1,187	1186,667	4272,000
10-02-2008	20:57:54	63407024,000	716,000	1,193	1193,333	4296,000
10-02-2008	21:07:54	63407740,000	716,000	1,193	1193,333	4296,000
10-02-2008	21:17:54	63408460,000	720,000	1,200	1200,000	4320,000
10-02-2008	21:27:54	63409180,000	720,000	1,200	1200,000	4320,000
10-02-2008	21:37:54	63409900,000	720,000	1,200	1200,000	4320,000
10-02-2008	21:47:54	63410628,000	728,000	1,213	1213,333	4368,000
10-02-2008	21:57:55	63411356,000	728,000	1,213	1213,333	4368,000
10-02-2008	22:07:55	63412084,000	728,000	1,213	1213,333	4368,000
10-02-2008	22:17:55	63412816,000	732,000	1,220	1220,000	4392,000
10-02-2008	22:27:55	63413548,000	732,000	1,220	1220,000	4392,000
10-02-2008	22:37:55	63414280,000	732,000	1,220	1220,000	4392,000
10-02-2008	22:47:55	63415016,000	736,000	1,227	1226,667	4416,000
10-02-2008	22:57:55	63415752,000	736,000	1,227	1226,667	4416,000
10-02-2008	23:07:55	63416484,000	732,000	1,220	1220,000	4392,000
10-02-2008	23:17:55	63417216,000	732,000	1,220	1220,000	4392,000
10-02-2008	23:27:55	63417944,000	728,000	1,213	1213,333	4368,000
10-02-2008	23:37:55	63418680,000	736,000	1,227	1226,667	4416,000
10-02-2008	23:47:55	63419420,000	740,000	1,233	1233,333	4440,000
10-02-2008	23:57:55	63420148,000	728,000	1,213	1213,333	4368,000
11-02-2008	00:00:13	63420320,000	172,000	1,246	1246,377	4486,957

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	63420320,000				
11-02-2008	00:07:55	63420884,000	564,000	1,221	1220,779	4394,805
11-02-2008	00:17:55	63421616,000	732,000	1,220	1220,000	4392,000
11-02-2008	00:27:55	63422348,000	732,000	1,220	1220,000	4392,000
11-02-2008	00:37:55	63423080,000	732,000	1,220	1220,000	4392,000
11-02-2008	00:47:55	63423808,000	728,000	1,213	1213,333	4368,000
11-02-2008	00:57:55	63424540,000	732,000	1,220	1220,000	4392,000
11-02-2008	01:07:55	63425264,000	724,000	1,207	1206,667	4344,000
11-02-2008	01:17:55	63425988,000	724,000	1,207	1206,667	4344,000
11-02-2008	01:27:55	63426716,000	728,000	1,213	1213,333	4368,000
11-02-2008	01:37:55	63427440,000	724,000	1,207	1206,667	4344,000
11-02-2008	01:47:55	63428160,000	720,000	1,200	1200,000	4320,000
11-02-2008	01:57:55	63428884,000	724,000	1,207	1206,667	4344,000
11-02-2008	02:07:55	63429616,000	732,000	1,220	1220,000	4392,000
11-02-2008	02:17:55	63430336,000	720,000	1,200	1200,000	4320,000
11-02-2008	02:27:56	63431060,000	724,000	1,207	1206,667	4344,000
11-02-2008	02:37:56	63431784,000	724,000	1,207	1206,667	4344,000
11-02-2008	02:47:56	63432508,000	724,000	1,207	1206,667	4344,000
11-02-2008	02:57:56	63433232,000	724,000	1,207	1206,667	4344,000
11-02-2008	03:07:56	63433956,000	724,000	1,207	1206,667	4344,000
11-02-2008	03:17:56	63434680,000	724,000	1,207	1206,667	4344,000
11-02-2008	03:27:56	63435408,000	728,000	1,213	1213,333	4368,000
11-02-2008	03:37:56	63436136,000	728,000	1,213	1213,333	4368,000
11-02-2008	03:47:56	63436856,000	720,000	1,200	1200,000	4320,000
11-02-2008	03:57:56	63437572,000	716,000	1,193	1193,333	4296,000
11-02-2008	04:07:56	63438288,000	716,000	1,193	1193,333	4296,000
11-02-2008	04:17:56	63439008,000	720,000	1,200	1200,000	4320,000
11-02-2008	04:27:56	63439716,000	708,000	1,180	1180,000	4248,000
11-02-2008	04:37:56	63440436,000	720,000	1,200	1200,000	4320,000
11-02-2008	04:47:56	63441144,000	708,000	1,180	1180,000	4248,000
11-02-2008	04:57:56	63441844,000	700,000	1,167	1166,667	4200,000
11-02-2008	05:07:56	63442560,000	716,000	1,193	1193,333	4296,000
11-02-2008	05:17:56	63443276,000	716,000	1,193	1193,333	4296,000
11-02-2008	05:27:56	63443980,000	704,000	1,173	1173,333	4224,000
11-02-2008	05:37:56	63444692,000	712,000	1,187	1186,667	4272,000
11-02-2008	05:47:56	63445400,000	708,000	1,180	1180,000	4248,000
11-02-2008	05:57:56	63446108,000	708,000	1,180	1180,000	4248,000
11-02-2008	06:07:56	63446820,000	712,000	1,187	1186,667	4272,000
11-02-2008	06:17:56	63447524,000	704,000	1,173	1173,333	4224,000
11-02-2008	06:27:56	63448232,000	708,000	1,180	1180,000	4248,000
11-02-2008	06:37:56	63448944,000	712,000	1,187	1186,667	4272,000
11-02-2008	06:47:56	63449644,000	700,000	1,167	1166,667	4200,000
11-02-2008	06:57:56	63450356,000	712,000	1,187	1186,667	4272,000
11-02-2008	07:07:56	63451072,000	716,000	1,193	1193,333	4296,000
11-02-2008	07:17:56	63451780,000	708,000	1,180	1180,000	4248,000
11-02-2008	07:27:56	63452488,000	708,000	1,180	1180,000	4248,000
11-02-2008	07:37:57	63453200,000	712,000	1,187	1186,667	4272,000
11-02-2008	07:47:57	63453908,000	708,000	1,180	1180,000	4248,000
11-02-2008	07:57:57	63454620,000	712,000	1,187	1186,667	4272,000
11-02-2008	08:07:57	63455336,000	716,000	1,193	1193,333	4296,000

11-02-2008	08:17:57	63456044,000	708,000	1,180	1180,000	4248,000
11-02-2008	08:27:57	63456756,000	712,000	1,187	1186,667	4272,000
11-02-2008	08:37:57	63457460,000	704,000	1,173	1173,333	4224,000
11-02-2008	08:47:57	63458160,000	700,000	1,167	1166,667	4200,000
11-02-2008	08:57:57	63458856,000	696,000	1,160	1160,000	4176,000
11-02-2008	09:07:57	63459544,000	688,000	1,147	1146,667	4128,000
11-02-2008	09:17:57	63460240,000	696,000	1,160	1160,000	4176,000
11-02-2008	09:27:57	63460608,000	368,000	0,613	613,333	2208,000
11-02-2008	09:37:57	63460716,000	108,000	0,180	180,000	648,000
11-02-2008	09:47:57	63460820,000	104,000	0,173	173,333	624,000
11-02-2008	09:57:57	63460924,000	104,000	0,173	173,333	624,000
11-02-2008	10:07:57	63461028,000	104,000	0,173	173,333	624,000
11-02-2008	10:17:57	63461132,000	104,000	0,173	173,333	624,000
11-02-2008	10:27:57	63461236,000	104,000	0,173	173,333	624,000
11-02-2008	10:37:57	63461340,000	104,000	0,173	173,333	624,000
11-02-2008	10:47:57	63461448,000	108,000	0,180	180,000	648,000
11-02-2008	10:57:57	63461552,000	104,000	0,173	173,333	624,000
11-02-2008	11:07:57	63461660,000	108,000	0,180	180,000	648,000
11-02-2008	11:17:57	63461764,000	104,000	0,173	173,333	624,000
11-02-2008	11:27:57	63461868,000	104,000	0,173	173,333	624,000
11-02-2008	11:37:57	63461976,000	108,000	0,180	180,000	648,000
11-02-2008	11:47:57	63462080,000	104,000	0,173	173,333	624,000
11-02-2008	11:57:57	63462184,000	104,000	0,173	173,333	624,000
11-02-2008	12:07:57	63462288,000	104,000	0,173	173,333	624,000
11-02-2008	12:17:57	63462908,000	620,000	1,033	1033,333	3720,000
11-02-2008	12:27:57	63463620,000	712,000	1,187	1186,667	4272,000
11-02-2008	12:37:57	63464336,000	716,000	1,193	1193,333	4296,000
11-02-2008	12:47:57	63465048,000	712,000	1,187	1186,667	4272,000
11-02-2008	12:57:57	63465760,000	712,000	1,187	1186,667	4272,000
11-02-2008	13:07:57	63466468,000	708,000	1,180	1180,000	4248,000
11-02-2008	13:17:57	63467176,000	708,000	1,180	1180,000	4248,000
11-02-2008	13:27:57	63467880,000	704,000	1,173	1173,333	4224,000
11-02-2008	13:37:57	63468576,000	696,000	1,160	1160,000	4176,000
11-02-2008	13:47:57	63469272,000	696,000	1,160	1160,000	4176,000
11-02-2008	13:57:57	63469976,000	704,000	1,173	1173,333	4224,000
11-02-2008	14:07:58	63470660,000	684,000	1,140	1140,000	4104,000
11-02-2008	14:17:58	63471360,000	700,000	1,167	1166,667	4200,000
11-02-2008	14:27:58	63472056,000	696,000	1,160	1160,000	4176,000
11-02-2008	14:37:58	63472748,000	692,000	1,153	1153,333	4152,000
11-02-2008	14:47:58	63473440,000	692,000	1,153	1153,333	4152,000
11-02-2008	14:57:58	63474140,000	700,000	1,167	1166,667	4200,000
11-02-2008	15:07:58	63474840,000	700,000	1,167	1166,667	4200,000
11-02-2008	15:17:58	63475540,000	700,000	1,167	1166,667	4200,000
11-02-2008	15:27:58	63476240,000	700,000	1,167	1166,667	4200,000
11-02-2008	15:37:58	63476940,000	700,000	1,167	1166,667	4200,000
11-02-2008	15:47:58	63477640,000	700,000	1,167	1166,667	4200,000
11-02-2008	15:57:58	63478340,000	700,000	1,167	1166,667	4200,000
11-02-2008	16:07:58	63479040,000	700,000	1,167	1166,667	4200,000
11-02-2008	16:17:58	63479748,000	708,000	1,180	1180,000	4248,000
11-02-2008	16:27:58	63480444,000	696,000	1,160	1160,000	4176,000
11-02-2008	16:37:58	63481148,000	704,000	1,173	1173,333	4224,000
11-02-2008	16:47:58	63481852,000	704,000	1,173	1173,333	4224,000
11-02-2008	16:57:58	63482544,000	692,000	1,153	1153,333	4152,000
11-02-2008	17:07:58	63483256,000	712,000	1,187	1186,667	4272,000
11-02-2008	17:17:58	63483960,000	704,000	1,173	1173,333	4224,000

11-02-2008	17:27:58	63484660,000	700,000	1,167	1166,667	4200,000
11-02-2008	17:37:58	63485356,000	696,000	1,160	1160,000	4176,000
11-02-2008	17:47:58	63486056,000	700,000	1,167	1166,667	4200,000
11-02-2008	17:57:58	63486748,000	692,000	1,153	1153,333	4152,000
11-02-2008	18:07:58	63487444,000	696,000	1,160	1160,000	4176,000
11-02-2008	18:17:58	63488140,000	696,000	1,160	1160,000	4176,000
11-02-2008	18:27:58	63488844,000	704,000	1,173	1173,333	4224,000
11-02-2008	18:37:58	63489544,000	700,000	1,167	1166,667	4200,000
11-02-2008	18:50:08	63490408,000	864,000	1,184	1183,562	4260,822
11-02-2008	19:00:08	63491124,000	716,000	1,193	1193,333	4296,000
11-02-2008	19:10:08	63491832,000	708,000	1,180	1180,000	4248,000
11-02-2008	19:20:08	63492540,000	708,000	1,180	1180,000	4248,000
11-02-2008	19:30:08	63493256,000	716,000	1,193	1193,333	4296,000
11-02-2008	19:40:35	63494000,000	744,000	1,240	1240,000	4464,000
11-02-2008	19:51:37	63494796,000	796,000	1,202	1202,417	4328,701
11-02-2008	20:01:37	63495508,000	712,000	1,187	1186,667	4272,000
11-02-2008	20:11:37	63496224,000	716,000	1,193	1193,333	4296,000
11-02-2008	20:21:37	63496940,000	716,000	1,193	1193,333	4296,000
11-02-2008	20:31:37	63497660,000	720,000	1,200	1200,000	4320,000
11-02-2008	20:41:37	63498384,000	724,000	1,207	1206,667	4344,000
11-02-2008	20:51:37	63499108,000	724,000	1,207	1206,667	4344,000
11-02-2008	21:01:37	63499836,000	728,000	1,213	1213,333	4368,000
11-02-2008	21:11:37	63500560,000	724,000	1,207	1206,667	4344,000
11-02-2008	21:21:37	63501280,000	720,000	1,200	1200,000	4320,000
11-02-2008	21:31:38	63502008,000	728,000	1,213	1213,333	4368,000
11-02-2008	21:41:38	63502736,000	728,000	1,213	1213,333	4368,000
11-02-2008	21:51:38	63503464,000	728,000	1,213	1213,333	4368,000
11-02-2008	22:01:38	63504196,000	732,000	1,220	1220,000	4392,000
11-02-2008	22:11:38	63504924,000	728,000	1,213	1213,333	4368,000
11-02-2008	22:21:38	63505656,000	732,000	1,220	1220,000	4392,000
11-02-2008	22:31:38	63506380,000	724,000	1,207	1206,667	4344,000
11-02-2008	22:41:38	63507100,000	720,000	1,200	1200,000	4320,000
11-02-2008	22:51:38	63507828,000	728,000	1,213	1213,333	4368,000
11-02-2008	23:01:38	63508548,000	720,000	1,200	1200,000	4320,000
11-02-2008	23:11:38	63509268,000	720,000	1,200	1200,000	4320,000
11-02-2008	23:21:38	63509988,000	720,000	1,200	1200,000	4320,000
11-02-2008	23:31:38	63510708,000	720,000	1,200	1200,000	4320,000
11-02-2008	23:41:38	63511428,000	720,000	1,200	1200,000	4320,000
11-02-2008	23:51:38	63512148,000	720,000	1,200	1200,000	4320,000
12-02-2008	00:00:04	63512760,000	612,000	1,209	1209,486	4354,150

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	63512760,000				
12-02-2008	00:01:38	63512864,000	104,000	1,106	1106,383	3982,979
12-02-2008	00:11:38	63513580,000	716,000	1,193	1193,333	4296,000
12-02-2008	00:21:38	63514284,000	704,000	1,173	1173,333	4224,000
12-02-2008	00:31:38	63514992,000	708,000	1,180	1180,000	4248,000
12-02-2008	00:41:38	63515704,000	712,000	1,187	1186,667	4272,000
12-02-2008	00:51:38	63516408,000	704,000	1,173	1173,333	4224,000
12-02-2008	01:01:38	63517112,000	704,000	1,173	1173,333	4224,000
12-02-2008	01:11:38	63517816,000	704,000	1,173	1173,333	4224,000
12-02-2008	01:21:38	63518520,000	704,000	1,173	1173,333	4224,000
12-02-2008	01:31:38	63519224,000	704,000	1,173	1173,333	4224,000
12-02-2008	01:41:38	63519928,000	704,000	1,173	1173,333	4224,000
12-02-2008	01:51:38	63520628,000	700,000	1,167	1166,667	4200,000
12-02-2008	02:01:38	63521336,000	708,000	1,180	1180,000	4248,000
12-02-2008	02:11:38	63522036,000	700,000	1,167	1166,667	4200,000
12-02-2008	02:21:38	63522740,000	704,000	1,173	1173,333	4224,000
12-02-2008	02:31:39	63523440,000	700,000	1,167	1166,667	4200,000
12-02-2008	02:41:39	63524144,000	704,000	1,173	1173,333	4224,000
12-02-2008	02:51:39	63524848,000	704,000	1,173	1173,333	4224,000
12-02-2008	03:01:39	63525560,000	712,000	1,187	1186,667	4272,000
12-02-2008	03:11:39	63526252,000	692,000	1,153	1153,333	4152,000
12-02-2008	03:21:39	63526960,000	708,000	1,180	1180,000	4248,000
12-02-2008	03:31:39	63527660,000	700,000	1,167	1166,667	4200,000
12-02-2008	03:41:39	63528356,000	696,000	1,160	1160,000	4176,000
12-02-2008	03:51:39	63529044,000	688,000	1,147	1146,667	4128,000
12-02-2008	04:01:39	63529748,000	704,000	1,173	1173,333	4224,000
12-02-2008	04:11:39	63530448,000	700,000	1,167	1166,667	4200,000
12-02-2008	04:21:39	63531148,000	700,000	1,167	1166,667	4200,000
12-02-2008	04:31:39	63531840,000	692,000	1,153	1153,333	4152,000
12-02-2008	04:41:39	63532540,000	700,000	1,167	1166,667	4200,000
12-02-2008	04:51:39	63533236,000	696,000	1,160	1160,000	4176,000
12-02-2008	05:01:39	63533928,000	692,000	1,153	1153,333	4152,000
12-02-2008	05:11:39	63534624,000	696,000	1,160	1160,000	4176,000
12-02-2008	05:21:39	63535320,000	696,000	1,160	1160,000	4176,000
12-02-2008	05:31:39	63536008,000	688,000	1,147	1146,667	4128,000
12-02-2008	05:41:40	63536700,000	692,000	1,153	1153,333	4152,000
12-02-2008	05:51:40	63537400,000	700,000	1,167	1166,667	4200,000
12-02-2008	06:01:40	63538100,000	700,000	1,167	1166,667	4200,000
12-02-2008	06:11:40	63538800,000	700,000	1,167	1166,667	4200,000
12-02-2008	06:21:40	63539500,000	700,000	1,167	1166,667	4200,000
12-02-2008	06:31:40	63540204,000	704,000	1,173	1173,333	4224,000
12-02-2008	06:41:40	63540904,000	700,000	1,167	1166,667	4200,000
12-02-2008	06:51:40	63541612,000	708,000	1,180	1180,000	4248,000
12-02-2008	07:01:40	63542320,000	708,000	1,180	1180,000	4248,000
12-02-2008	07:11:40	63543032,000	712,000	1,187	1186,667	4272,000
12-02-2008	07:21:40	63543736,000	704,000	1,173	1173,333	4224,000
12-02-2008	07:31:40	63544444,000	708,000	1,180	1180,000	4248,000
12-02-2008	07:41:40	63545160,000	716,000	1,193	1193,333	4296,000
12-02-2008	07:51:40	63545868,000	708,000	1,180	1180,000	4248,000

12-02-2008	08:01:40	63546592,000	724,000	1,207	1206,667	4344,000
12-02-2008	08:11:40	63547308,000	716,000	1,193	1193,333	4296,000
12-02-2008	08:21:40	63548016,000	708,000	1,180	1180,000	4248,000
12-02-2008	08:31:40	63548732,000	716,000	1,193	1193,333	4296,000
12-02-2008	08:41:40	63549440,000	708,000	1,180	1180,000	4248,000
12-02-2008	08:51:40	63550156,000	716,000	1,193	1193,333	4296,000
12-02-2008	09:01:40	63550864,000	708,000	1,180	1180,000	4248,000
12-02-2008	09:11:40	63551572,000	708,000	1,180	1180,000	4248,000
12-02-2008	09:21:40	63552280,000	708,000	1,180	1180,000	4248,000
12-02-2008	09:31:40	63552960,000	680,000	1,133	1133,333	4080,000
12-02-2008	09:41:40	63553080,000	120,000	0,200	200,000	720,000
12-02-2008	09:51:40	63553184,000	104,000	0,173	173,333	624,000
12-02-2008	10:01:40	63553288,000	104,000	0,173	173,333	624,000
12-02-2008	10:11:40	63553400,000	112,000	0,187	186,667	672,000
12-02-2008	10:21:40	63553504,000	104,000	0,173	173,333	624,000
12-02-2008	10:31:40	63553616,000	112,000	0,187	186,667	672,000
12-02-2008	10:41:40	63553720,000	104,000	0,173	173,333	624,000
12-02-2008	10:51:40	63553828,000	108,000	0,180	180,000	648,000
12-02-2008	11:01:40	63553940,000	112,000	0,187	186,667	672,000
12-02-2008	11:11:40	63554048,000	108,000	0,180	180,000	648,000
12-02-2008	11:21:40	63554156,000	108,000	0,180	180,000	648,000
12-02-2008	11:31:40	63554264,000	108,000	0,180	180,000	648,000
12-02-2008	11:41:41	63554376,000	112,000	0,187	186,667	672,000
12-02-2008	11:51:41	63554484,000	108,000	0,180	180,000	648,000
12-02-2008	12:01:41	63554596,000	112,000	0,187	186,667	672,000
12-02-2008	12:11:41	63554704,000	108,000	0,180	180,000	648,000
12-02-2008	12:21:41	63555068,000	364,000	0,607	606,667	2184,000
12-02-2008	12:31:41	63555804,000	736,000	1,227	1226,667	4416,000
12-02-2008	12:41:41	63556544,000	740,000	1,233	1233,333	4440,000
12-02-2008	12:51:41	63557268,000	724,000	1,207	1206,667	4344,000
12-02-2008	13:01:41	63558008,000	740,000	1,233	1233,333	4440,000
12-02-2008	13:11:41	63558740,000	732,000	1,220	1220,000	4392,000
12-02-2008	13:21:41	63559460,000	720,000	1,200	1200,000	4320,000
12-02-2008	13:31:41	63560196,000	736,000	1,227	1226,667	4416,000
12-02-2008	13:41:41	63560920,000	724,000	1,207	1206,667	4344,000
12-02-2008	13:51:41	63561644,000	724,000	1,207	1206,667	4344,000
12-02-2008	14:01:41	63562368,000	724,000	1,207	1206,667	4344,000
12-02-2008	14:11:41	63563088,000	720,000	1,200	1200,000	4320,000
12-02-2008	14:21:41	63563808,000	720,000	1,200	1200,000	4320,000
12-02-2008	14:31:41	63564528,000	720,000	1,200	1200,000	4320,000
12-02-2008	14:41:41	63565240,000	712,000	1,187	1186,667	4272,000
12-02-2008	14:51:41	63565964,000	724,000	1,207	1206,667	4344,000
12-02-2008	15:01:41	63566672,000	708,000	1,180	1180,000	4248,000
12-02-2008	15:11:41	63567388,000	716,000	1,193	1193,333	4296,000
12-02-2008	15:21:41	63568100,000	712,000	1,187	1186,667	4272,000
12-02-2008	15:31:41	63568812,000	712,000	1,187	1186,667	4272,000
12-02-2008	15:41:41	63569520,000	708,000	1,180	1180,000	4248,000
12-02-2008	15:51:41	63570228,000	708,000	1,180	1180,000	4248,000
12-02-2008	16:01:41	63570932,000	704,000	1,173	1173,333	4224,000
12-02-2008	16:11:41	63571640,000	708,000	1,180	1180,000	4248,000
12-02-2008	16:21:41	63572344,000	704,000	1,173	1173,333	4224,000
12-02-2008	16:31:41	63573048,000	704,000	1,173	1173,333	4224,000
12-02-2008	16:41:41	63573752,000	704,000	1,173	1173,333	4224,000
12-02-2008	16:51:42	63574456,000	704,000	1,173	1173,333	4224,000
12-02-2008	17:01:42	63575156,000	700,000	1,167	1166,667	4200,000

12-02-2008	17:11:42	63575864,000	708,000	1,180	1180,000	4248,000
12-02-2008	17:21:42	63576564,000	700,000	1,167	1166,667	4200,000
12-02-2008	17:31:42	63577264,000	700,000	1,167	1166,667	4200,000
12-02-2008	17:41:42	63577976,000	712,000	1,187	1186,667	4272,000
12-02-2008	17:51:42	63578668,000	692,000	1,153	1153,333	4152,000
12-02-2008	18:01:42	63579380,000	712,000	1,187	1186,667	4272,000
12-02-2008	18:11:42	63580076,000	696,000	1,160	1160,000	4176,000
12-02-2008	18:21:42	63580776,000	700,000	1,167	1166,667	4200,000
12-02-2008	18:31:42	63581328,000	552,000	0,920	920,000	3312,000
12-02-2008	18:41:42	63581440,000	112,000	0,187	186,667	672,000
12-02-2008	18:51:42	63581544,000	104,000	0,173	173,333	624,000
12-02-2008	19:01:42	63581656,000	112,000	0,187	186,667	672,000
12-02-2008	19:11:42	63581760,000	104,000	0,173	173,333	624,000
12-02-2008	19:21:42	63581868,000	108,000	0,180	180,000	648,000
12-02-2008	19:31:42	63581980,000	112,000	0,187	186,667	672,000
12-02-2008	19:41:42	63582084,000	104,000	0,173	173,333	624,000
12-02-2008	19:51:42	63582196,000	112,000	0,187	186,667	672,000
12-02-2008	20:01:42	63582304,000	108,000	0,180	180,000	648,000
12-02-2008	20:11:42	63582416,000	112,000	0,187	186,667	672,000
12-02-2008	20:21:42	63582524,000	108,000	0,180	180,000	648,000
12-02-2008	20:31:42	63582628,000	104,000	0,173	173,333	624,000
12-02-2008	20:41:42	63582740,000	112,000	0,187	186,667	672,000
12-02-2008	20:51:42	63582844,000	104,000	0,173	173,333	624,000
12-02-2008	21:01:42	63582948,000	104,000	0,173	173,333	624,000
12-02-2008	21:11:42	63583060,000	112,000	0,187	186,667	672,000
12-02-2008	21:21:42	63583616,000	556,000	0,927	926,667	3336,000
12-02-2008	21:31:43	63584348,000	732,000	1,220	1220,000	4392,000
12-02-2008	21:41:43	63585080,000	732,000	1,220	1220,000	4392,000
12-02-2008	21:51:43	63585812,000	732,000	1,220	1220,000	4392,000
12-02-2008	22:01:43	63586536,000	724,000	1,207	1206,667	4344,000
12-02-2008	22:11:43	63587260,000	724,000	1,207	1206,667	4344,000
12-02-2008	22:21:43	63587984,000	724,000	1,207	1206,667	4344,000
12-02-2008	22:31:43	63588716,000	732,000	1,220	1220,000	4392,000
12-02-2008	22:41:43	63589432,000	716,000	1,193	1193,333	4296,000
12-02-2008	22:51:43	63590160,000	728,000	1,213	1213,333	4368,000
12-02-2008	23:01:43	63590884,000	724,000	1,207	1206,667	4344,000
12-02-2008	23:11:43	63591604,000	720,000	1,200	1200,000	4320,000
12-02-2008	23:21:43	63592336,000	732,000	1,220	1220,000	4392,000
12-02-2008	23:31:43	63593060,000	724,000	1,207	1206,667	4344,000
12-02-2008	23:41:43	63593784,000	724,000	1,207	1206,667	4344,000
12-02-2008	23:51:43	63594512,000	728,000	1,213	1213,333	4368,000
13-02-2008	00:00:24	63595152,000	640,000	1,228	1228,407	4422,265

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	63595152,000				
13-02-2008	00:01:43	63595240,000	88,000	1,114	1113,924	4010,127
13-02-2008	00:11:43	63595968,000	728,000	1,213	1213,333	4368,000
13-02-2008	00:21:43	63596700,000	732,000	1,220	1220,000	4392,000
13-02-2008	00:31:43	63597432,000	732,000	1,220	1220,000	4392,000
13-02-2008	00:41:43	63598168,000	736,000	1,227	1226,667	4416,000
13-02-2008	00:51:43	63598896,000	728,000	1,213	1213,333	4368,000
13-02-2008	01:01:43	63599620,000	724,000	1,207	1206,667	4344,000
13-02-2008	01:11:43	63600348,000	728,000	1,213	1213,333	4368,000
13-02-2008	01:21:43	63601068,000	720,000	1,200	1200,000	4320,000
13-02-2008	01:31:43	63601804,000	736,000	1,227	1226,667	4416,000
13-02-2008	01:41:43	63602528,000	724,000	1,207	1206,667	4344,000
13-02-2008	01:51:43	63603248,000	720,000	1,200	1200,000	4320,000
13-02-2008	02:01:43	63603980,000	732,000	1,220	1220,000	4392,000
13-02-2008	02:11:43	63604700,000	720,000	1,200	1200,000	4320,000
13-02-2008	02:21:43	63605420,000	720,000	1,200	1200,000	4320,000
13-02-2008	02:31:43	63606140,000	720,000	1,200	1200,000	4320,000
13-02-2008	02:41:43	63606860,000	720,000	1,200	1200,000	4320,000
13-02-2008	02:51:43	63607576,000	716,000	1,193	1193,333	4296,000
13-02-2008	03:01:43	63608296,000	720,000	1,200	1200,000	4320,000
13-02-2008	03:11:43	63609024,000	728,000	1,213	1213,333	4368,000
13-02-2008	03:21:43	63609740,000	716,000	1,193	1193,333	4296,000
13-02-2008	03:31:43	63610464,000	724,000	1,207	1206,667	4344,000
13-02-2008	03:41:43	63611196,000	732,000	1,220	1220,000	4392,000
13-02-2008	03:51:43	63611912,000	716,000	1,193	1193,333	4296,000
13-02-2008	04:01:43	63612640,000	728,000	1,213	1213,333	4368,000
13-02-2008	04:11:43	63613372,000	732,000	1,220	1220,000	4392,000
13-02-2008	04:21:43	63614100,000	728,000	1,213	1213,333	4368,000
13-02-2008	04:31:43	63614828,000	728,000	1,213	1213,333	4368,000
13-02-2008	04:41:43	63615560,000	732,000	1,220	1220,000	4392,000
13-02-2008	04:51:43	63616284,000	724,000	1,207	1206,667	4344,000
13-02-2008	05:01:43	63617016,000	732,000	1,220	1220,000	4392,000
13-02-2008	05:11:43	63617744,000	728,000	1,213	1213,333	4368,000
13-02-2008	05:21:43	63618472,000	728,000	1,213	1213,333	4368,000
13-02-2008	05:31:44	63619204,000	732,000	1,220	1220,000	4392,000
13-02-2008	05:41:44	63619924,000	720,000	1,200	1200,000	4320,000
13-02-2008	05:51:44	63620660,000	736,000	1,227	1226,667	4416,000
13-02-2008	06:01:44	63621384,000	724,000	1,207	1206,667	4344,000
13-02-2008	06:11:44	63622108,000	724,000	1,207	1206,667	4344,000
13-02-2008	06:21:44	63622844,000	736,000	1,227	1226,667	4416,000
13-02-2008	06:31:44	63623576,000	732,000	1,220	1220,000	4392,000
13-02-2008	06:41:44	63624304,000	728,000	1,213	1213,333	4368,000
13-02-2008	06:51:44	63625036,000	732,000	1,220	1220,000	4392,000
13-02-2008	07:01:44	63625764,000	728,000	1,213	1213,333	4368,000
13-02-2008	07:11:44	63626496,000	732,000	1,220	1220,000	4392,000
13-02-2008	07:21:44	63627220,000	724,000	1,207	1206,667	4344,000
13-02-2008	07:31:44	63627952,000	732,000	1,220	1220,000	4392,000
13-02-2008	07:41:44	63628680,000	728,000	1,213	1213,333	4368,000

13-02-2008	07:51:44	63629412,000	732,000	1,220	1220,000	4392,000
13-02-2008	08:01:44	63630136,000	724,000	1,207	1206,667	4344,000
13-02-2008	08:11:44	63630868,000	732,000	1,220	1220,000	4392,000
13-02-2008	08:21:44	63631596,000	728,000	1,213	1213,333	4368,000
13-02-2008	08:31:44	63632644,000	1048,000	1,747	1746,667	6288,000
13-02-2008	08:41:44	63633908,000	1264,000	2,107	2106,667	7584,000
13-02-2008	08:51:44	63635160,000	1252,000	2,087	2086,667	7512,000
13-02-2008	09:01:44	63636412,000	1252,000	2,087	2086,667	7512,000
13-02-2008	09:11:44	63637660,000	1248,000	2,080	2080,000	7488,000
13-02-2008	09:21:44	63638904,000	1244,000	2,073	2073,333	7464,000
13-02-2008	09:31:44	63640148,000	1244,000	2,073	2073,333	7464,000
13-02-2008	09:41:44	63641040,000	892,000	1,487	1486,667	5352,000
13-02-2008	09:51:44	63641144,000	104,000	0,173	173,333	624,000
13-02-2008	10:01:44	63641252,000	108,000	0,180	180,000	648,000
13-02-2008	10:11:44	63641360,000	108,000	0,180	180,000	648,000
13-02-2008	10:21:44	63641468,000	108,000	0,180	180,000	648,000
13-02-2008	10:31:44	63641580,000	112,000	0,187	186,667	672,000
13-02-2008	10:41:44	63641684,000	104,000	0,173	173,333	624,000
13-02-2008	10:51:45	63641788,000	104,000	0,173	173,333	624,000
13-02-2008	11:01:45	63641896,000	108,000	0,180	180,000	648,000
13-02-2008	11:11:45	63642000,000	104,000	0,173	173,333	624,000
13-02-2008	11:21:45	63642108,000	108,000	0,180	180,000	648,000
13-02-2008	11:31:45	63642216,000	108,000	0,180	180,000	648,000
13-02-2008	11:41:45	63642320,000	104,000	0,173	173,333	624,000
13-02-2008	11:51:45	63642428,000	108,000	0,180	180,000	648,000
13-02-2008	12:01:45	63642536,000	108,000	0,180	180,000	648,000
13-02-2008	12:11:45	63642640,000	104,000	0,173	173,333	624,000
13-02-2008	12:22:05	63642864,000	224,000	0,361	361,290	1300,645
13-02-2008	12:32:49	63643636,000	772,000	1,199	1198,758	4315,528
13-02-2008	12:42:50	63644352,000	716,000	1,193	1193,333	4296,000
13-02-2008	12:52:50	63645060,000	708,000	1,180	1180,000	4248,000
13-02-2008	13:02:50	63645768,000	708,000	1,180	1180,000	4248,000
13-02-2008	13:12:50	63646480,000	712,000	1,187	1186,667	4272,000
13-02-2008	13:22:50	63646940,000	460,000	0,767	766,667	2760,000
13-02-2008	13:32:50	63647064,000	124,000	0,207	206,667	744,000
13-02-2008	13:42:50	63647724,000	660,000	1,100	1100,000	3960,000
13-02-2008	13:52:50	63648400,000	676,000	1,127	1126,667	4056,000
13-02-2008	14:02:50	63649080,000	680,000	1,133	1133,333	4080,000
13-02-2008	14:12:50	63649752,000	672,000	1,120	1120,000	4032,000
13-02-2008	14:22:50	63650416,000	664,000	1,107	1106,667	3984,000
13-02-2008	14:32:50	63651072,000	656,000	1,093	1093,333	3936,000
13-02-2008	14:42:50	63651724,000	652,000	1,087	1086,667	3912,000
13-02-2008	14:52:50	63652376,000	652,000	1,087	1086,667	3912,000
13-02-2008	15:02:50	63652704,000	328,000	0,547	546,667	1968,000
13-02-2008	15:12:50	63652812,000	108,000	0,180	180,000	648,000
13-02-2008	15:22:50	63652920,000	108,000	0,180	180,000	648,000
13-02-2008	15:32:50	63653152,000	232,000	0,387	386,667	1392,000
13-02-2008	15:42:50	63653880,000	728,000	1,213	1213,333	4368,000
13-02-2008	15:52:50	63654600,000	720,000	1,200	1200,000	4320,000
13-02-2008	16:02:50	63655320,000	720,000	1,200	1200,000	4320,000
13-02-2008	16:12:50	63656040,000	720,000	1,200	1200,000	4320,000
13-02-2008	16:22:50	63656760,000	720,000	1,200	1200,000	4320,000
13-02-2008	16:32:50	63657472,000	712,000	1,187	1186,667	4272,000
13-02-2008	16:42:50	63658180,000	708,000	1,180	1180,000	4248,000
13-02-2008	16:52:50	63658884,000	704,000	1,173	1173,333	4224,000

13-02-2008	17:02:50	63659588,000	704,000	1,173	1173,333	4224,000
13-02-2008	17:12:50	63660296,000	708,000	1,180	1180,000	4248,000
13-02-2008	17:22:51	63661000,000	704,000	1,173	1173,333	4224,000
13-02-2008	17:32:51	63661700,000	700,000	1,167	1166,667	4200,000
13-02-2008	17:42:51	63662404,000	704,000	1,173	1173,333	4224,000
13-02-2008	17:52:51	63663108,000	704,000	1,173	1173,333	4224,000
13-02-2008	18:02:51	63663812,000	704,000	1,173	1173,333	4224,000
13-02-2008	18:12:51	63664516,000	704,000	1,173	1173,333	4224,000
13-02-2008	18:22:51	63665224,000	708,000	1,180	1180,000	4248,000
13-02-2008	18:32:51	63665928,000	704,000	1,173	1173,333	4224,000
13-02-2008	18:42:51	63666644,000	716,000	1,193	1193,333	4296,000
13-02-2008	18:52:51	63667356,000	712,000	1,187	1186,667	4272,000
13-02-2008	19:02:51	63668060,000	704,000	1,173	1173,333	4224,000
13-02-2008	19:12:51	63668784,000	724,000	1,207	1206,667	4344,000
13-02-2008	19:22:51	63669500,000	716,000	1,193	1193,333	4296,000
13-02-2008	19:32:51	63670220,000	720,000	1,200	1200,000	4320,000
13-02-2008	19:42:51	63670944,000	724,000	1,207	1206,667	4344,000
13-02-2008	19:52:51	63671664,000	720,000	1,200	1200,000	4320,000
13-02-2008	20:02:51	63672388,000	724,000	1,207	1206,667	4344,000
13-02-2008	20:12:51	63673112,000	724,000	1,207	1206,667	4344,000
13-02-2008	20:22:51	63673840,000	728,000	1,213	1213,333	4368,000
13-02-2008	20:32:51	63674568,000	728,000	1,213	1213,333	4368,000
13-02-2008	20:42:51	63675304,000	736,000	1,227	1226,667	4416,000
13-02-2008	20:52:51	63676036,000	732,000	1,220	1220,000	4392,000
13-02-2008	21:02:51	63676776,000	740,000	1,233	1233,333	4440,000
13-02-2008	21:12:51	63677512,000	736,000	1,227	1226,667	4416,000
13-02-2008	21:22:51	63678244,000	732,000	1,220	1220,000	4392,000
13-02-2008	21:32:51	63678980,000	736,000	1,227	1226,667	4416,000
13-02-2008	21:42:51	63679708,000	728,000	1,213	1213,333	4368,000
13-02-2008	21:52:51	63680428,000	720,000	1,200	1200,000	4320,000
13-02-2008	22:02:51	63681144,000	716,000	1,193	1193,333	4296,000
13-02-2008	22:12:51	63681860,000	716,000	1,193	1193,333	4296,000
13-02-2008	22:22:51	63682564,000	704,000	1,173	1173,333	4224,000
13-02-2008	22:32:52	63683276,000	712,000	1,187	1186,667	4272,000
13-02-2008	22:42:52	63683980,000	704,000	1,173	1173,333	4224,000
13-02-2008	22:52:52	63684696,000	716,000	1,193	1193,333	4296,000
13-02-2008	23:02:52	63685404,000	708,000	1,180	1180,000	4248,000
13-02-2008	23:12:52	63686116,000	712,000	1,187	1186,667	4272,000
13-02-2008	23:22:52	63686828,000	712,000	1,187	1186,667	4272,000
13-02-2008	23:32:52	63687544,000	716,000	1,193	1193,333	4296,000
13-02-2008	23:42:52	63688252,000	708,000	1,180	1180,000	4248,000
13-02-2008	23:52:52	63688968,000	716,000	1,193	1193,333	4296,000
14-02-2008	00:00:13	63689488,000	520,000	1,179	1179,138	4244,898

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:14	63689488,000				
14-02-2008	00:02:52	63689680,000	192,000	1,215	1215,190	4374,684
14-02-2008	00:12:52	63690388,000	708,000	1,180	1180,000	4248,000
14-02-2008	00:22:52	63691092,000	704,000	1,173	1173,333	4224,000
14-02-2008	00:32:52	63691808,000	716,000	1,193	1193,333	4296,000
14-02-2008	00:42:52	63692520,000	712,000	1,187	1186,667	4272,000
14-02-2008	00:52:52	63693228,000	708,000	1,180	1180,000	4248,000
14-02-2008	01:02:52	63693940,000	712,000	1,187	1186,667	4272,000
14-02-2008	01:12:52	63694652,000	712,000	1,187	1186,667	4272,000
14-02-2008	01:22:53	63695360,000	708,000	1,180	1180,000	4248,000
14-02-2008	01:32:53	63696080,000	720,000	1,200	1200,000	4320,000
14-02-2008	01:42:53	63696784,000	704,000	1,173	1173,333	4224,000
14-02-2008	01:52:53	63697496,000	712,000	1,187	1186,667	4272,000
14-02-2008	02:02:53	63698204,000	708,000	1,180	1180,000	4248,000
14-02-2008	02:12:53	63698916,000	712,000	1,187	1186,667	4272,000
14-02-2008	02:22:53	63699624,000	708,000	1,180	1180,000	4248,000
14-02-2008	02:32:53	63700336,000	712,000	1,187	1186,667	4272,000
14-02-2008	02:42:53	63701044,000	708,000	1,180	1180,000	4248,000
14-02-2008	02:52:53	63701756,000	712,000	1,187	1186,667	4272,000
14-02-2008	03:02:53	63702464,000	708,000	1,180	1180,000	4248,000
14-02-2008	03:12:53	63703176,000	712,000	1,187	1186,667	4272,000
14-02-2008	03:22:54	63703880,000	704,000	1,173	1173,333	4224,000
14-02-2008	03:32:54	63704592,000	712,000	1,187	1186,667	4272,000
14-02-2008	03:42:54	63705300,000	708,000	1,180	1180,000	4248,000
14-02-2008	03:52:54	63706016,000	716,000	1,193	1193,333	4296,000
14-02-2008	04:02:54	63706724,000	708,000	1,180	1180,000	4248,000
14-02-2008	04:12:54	63707440,000	716,000	1,193	1193,333	4296,000
14-02-2008	04:22:54	63708160,000	720,000	1,200	1200,000	4320,000
14-02-2008	04:32:54	63708880,000	720,000	1,200	1200,000	4320,000
14-02-2008	04:42:54	63709600,000	720,000	1,200	1200,000	4320,000
14-02-2008	04:52:54	63710320,000	720,000	1,200	1200,000	4320,000
14-02-2008	05:02:54	63711040,000	720,000	1,200	1200,000	4320,000
14-02-2008	05:12:55	63711768,000	728,000	1,213	1213,333	4368,000
14-02-2008	05:22:55	63712492,000	724,000	1,207	1206,667	4344,000
14-02-2008	05:32:55	63713224,000	732,000	1,220	1220,000	4392,000
14-02-2008	05:42:55	63713944,000	720,000	1,200	1200,000	4320,000
14-02-2008	05:52:55	63714680,000	736,000	1,227	1226,667	4416,000
14-02-2008	06:02:55	63715412,000	732,000	1,220	1220,000	4392,000
14-02-2008	06:12:55	63716148,000	736,000	1,227	1226,667	4416,000
14-02-2008	06:22:55	63716884,000	736,000	1,227	1226,667	4416,000
14-02-2008	06:32:55	63717620,000	736,000	1,227	1226,667	4416,000
14-02-2008	06:42:55	63718356,000	736,000	1,227	1226,667	4416,000
14-02-2008	06:52:55	63719088,000	732,000	1,220	1220,000	4392,000
14-02-2008	07:02:55	63719828,000	740,000	1,233	1233,333	4440,000
14-02-2008	07:12:55	63720568,000	740,000	1,233	1233,333	4440,000
14-02-2008	07:22:55	63721308,000	740,000	1,233	1233,333	4440,000
14-02-2008	07:32:56	63722052,000	744,000	1,240	1240,000	4464,000
14-02-2008	07:42:56	63722800,000	748,000	1,247	1246,667	4488,000
14-02-2008	07:52:56	63723536,000	736,000	1,227	1226,667	4416,000
14-02-2008	08:02:56	63724276,000	740,000	1,233	1233,333	4440,000

14-02-2008	08:12:56	63725028,000	752,000	1,253	1253,333	4512,000
14-02-2008	08:22:56	63725772,000	744,000	1,240	1240,000	4464,000
14-02-2008	08:32:56	63726508,000	736,000	1,227	1226,667	4416,000
14-02-2008	08:42:56	63727260,000	752,000	1,253	1253,333	4512,000
14-02-2008	08:52:56	63728000,000	740,000	1,233	1233,333	4440,000
14-02-2008	09:02:56	63728740,000	740,000	1,233	1233,333	4440,000
14-02-2008	09:12:56	63729480,000	740,000	1,233	1233,333	4440,000
14-02-2008	09:22:56	63730220,000	740,000	1,233	1233,333	4440,000
14-02-2008	09:32:56	63730720,000	500,000	0,833	833,333	3000,000
14-02-2008	09:42:56	63730836,000	116,000	0,193	193,333	696,000
14-02-2008	09:52:56	63730944,000	108,000	0,180	180,000	648,000
14-02-2008	10:02:56	63731060,000	116,000	0,193	193,333	696,000
14-02-2008	10:12:56	63731168,000	108,000	0,180	180,000	648,000
14-02-2008	10:22:56	63731280,000	112,000	0,187	186,667	672,000
14-02-2008	10:32:56	63731396,000	116,000	0,193	193,333	696,000
14-02-2008	10:42:56	63731504,000	108,000	0,180	180,000	648,000
14-02-2008	10:52:56	63731616,000	112,000	0,187	186,667	672,000
14-02-2008	11:02:56	63731724,000	108,000	0,180	180,000	648,000
14-02-2008	11:12:56	63731840,000	116,000	0,193	193,333	696,000
14-02-2008	11:22:56	63731948,000	108,000	0,180	180,000	648,000
14-02-2008	11:32:56	63732060,000	112,000	0,187	186,667	672,000
14-02-2008	11:42:56	63732172,000	112,000	0,187	186,667	672,000
14-02-2008	11:52:56	63732280,000	108,000	0,180	180,000	648,000
14-02-2008	12:02:56	63732396,000	116,000	0,193	193,333	696,000
14-02-2008	12:12:56	63732504,000	108,000	0,180	180,000	648,000
14-02-2008	12:22:56	63733064,000	560,000	0,933	933,333	3360,000
14-02-2008	12:32:56	63733800,000	736,000	1,227	1226,667	4416,000
14-02-2008	12:42:56	63734532,000	732,000	1,220	1220,000	4392,000
14-02-2008	12:52:57	63735268,000	736,000	1,227	1226,667	4416,000
14-02-2008	13:02:57	63735996,000	728,000	1,213	1213,333	4368,000
14-02-2008	13:12:57	63736728,000	732,000	1,220	1220,000	4392,000
14-02-2008	13:22:57	63737460,000	732,000	1,220	1220,000	4392,000
14-02-2008	13:32:57	63738188,000	728,000	1,213	1213,333	4368,000
14-02-2008	13:42:57	63738916,000	728,000	1,213	1213,333	4368,000
14-02-2008	13:52:57	63739644,000	728,000	1,213	1213,333	4368,000
14-02-2008	14:02:57	63740372,000	728,000	1,213	1213,333	4368,000
14-02-2008	14:12:57	63741100,000	728,000	1,213	1213,333	4368,000
14-02-2008	14:22:57	63741820,000	720,000	1,200	1200,000	4320,000
14-02-2008	14:32:57	63742544,000	724,000	1,207	1206,667	4344,000
14-02-2008	14:42:57	63743268,000	724,000	1,207	1206,667	4344,000
14-02-2008	14:52:57	63743996,000	728,000	1,213	1213,333	4368,000
14-02-2008	15:02:57	63744720,000	724,000	1,207	1206,667	4344,000
14-02-2008	15:12:57	63745436,000	716,000	1,193	1193,333	4296,000
14-02-2008	15:22:57	63746156,000	720,000	1,200	1200,000	4320,000
14-02-2008	15:32:57	63746880,000	724,000	1,207	1206,667	4344,000
14-02-2008	15:42:57	63747596,000	716,000	1,193	1193,333	4296,000
14-02-2008	15:52:57	63748320,000	724,000	1,207	1206,667	4344,000
14-02-2008	16:02:57	63749040,000	720,000	1,200	1200,000	4320,000
14-02-2008	16:12:57	63749764,000	724,000	1,207	1206,667	4344,000
14-02-2008	16:22:57	63750480,000	716,000	1,193	1193,333	4296,000
14-02-2008	16:32:57	63751196,000	716,000	1,193	1193,333	4296,000
14-02-2008	16:42:57	63751916,000	720,000	1,200	1200,000	4320,000
14-02-2008	16:52:57	63752620,000	704,000	1,173	1173,333	4224,000
14-02-2008	17:02:57	63753328,000	708,000	1,180	1180,000	4248,000
14-02-2008	17:12:57	63754044,000	716,000	1,193	1193,333	4296,000

14-02-2008	17:22:57	63754748,000	704,000	1,173	1173,333	4224,000
14-02-2008	17:32:57	63755460,000	712,000	1,187	1186,667	4272,000
14-02-2008	17:42:57	63756176,000	716,000	1,193	1193,333	4296,000
14-02-2008	17:52:57	63756876,000	700,000	1,167	1166,667	4200,000
14-02-2008	18:02:57	63757580,000	704,000	1,173	1173,333	4224,000
14-02-2008	18:12:57	63758296,000	716,000	1,193	1193,333	4296,000
14-02-2008	18:22:57	63759004,000	708,000	1,180	1180,000	4248,000
14-02-2008	18:32:57	63759716,000	712,000	1,187	1186,667	4272,000
14-02-2008	18:42:58	63760428,000	712,000	1,187	1186,667	4272,000
14-02-2008	18:52:58	63761140,000	712,000	1,187	1186,667	4272,000
14-02-2008	19:02:58	63761860,000	720,000	1,200	1200,000	4320,000
14-02-2008	19:12:58	63762580,000	720,000	1,200	1200,000	4320,000
14-02-2008	19:22:58	63763300,000	720,000	1,200	1200,000	4320,000
14-02-2008	19:32:58	63764028,000	728,000	1,213	1213,333	4368,000
14-02-2008	19:42:58	63764760,000	732,000	1,220	1220,000	4392,000
14-02-2008	19:52:58	63765492,000	732,000	1,220	1220,000	4392,000
14-02-2008	20:02:58	63766236,000	744,000	1,240	1240,000	4464,000
14-02-2008	20:12:58	63766964,000	728,000	1,213	1213,333	4368,000
14-02-2008	20:22:58	63767708,000	744,000	1,240	1240,000	4464,000
14-02-2008	20:32:58	63768448,000	740,000	1,233	1233,333	4440,000
14-02-2008	20:42:58	63769192,000	744,000	1,240	1240,000	4464,000
14-02-2008	20:52:58	63769936,000	744,000	1,240	1240,000	4464,000
14-02-2008	21:02:58	63770680,000	744,000	1,240	1240,000	4464,000
14-02-2008	21:12:58	63771420,000	740,000	1,233	1233,333	4440,000
14-02-2008	21:22:58	63772160,000	740,000	1,233	1233,333	4440,000
14-02-2008	21:32:58	63772896,000	736,000	1,227	1226,667	4416,000
14-02-2008	21:42:58	63773624,000	728,000	1,213	1213,333	4368,000
14-02-2008	21:52:58	63774360,000	736,000	1,227	1226,667	4416,000
14-02-2008	22:02:58	63775080,000	720,000	1,200	1200,000	4320,000
14-02-2008	22:12:58	63775800,000	720,000	1,200	1200,000	4320,000
14-02-2008	22:22:58	63776520,000	720,000	1,200	1200,000	4320,000
14-02-2008	22:32:58	63777240,000	720,000	1,200	1200,000	4320,000
14-02-2008	22:42:58	63777956,000	716,000	1,193	1193,333	4296,000
14-02-2008	22:52:58	63778668,000	712,000	1,187	1186,667	4272,000
14-02-2008	23:02:58	63779380,000	712,000	1,187	1186,667	4272,000
14-02-2008	23:12:58	63780100,000	720,000	1,200	1200,000	4320,000
14-02-2008	23:22:58	63780816,000	716,000	1,193	1193,333	4296,000
14-02-2008	23:32:58	63781528,000	712,000	1,187	1186,667	4272,000
14-02-2008	23:42:58	63782248,000	720,000	1,200	1200,000	4320,000
14-02-2008	23:52:59	63782964,000	716,000	1,193	1193,333	4296,000
15-02-2008	00:00:02	63783476,000	512,000	1,210	1210,402	4357,447

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	Caudais Médios m3/h	Caudal Médio Horário	Factor de Consumo
Hora	**Caudal (m3/h)**								
00:00-00:10	4127,586	4323,251	4394,805	4296,000	4368,000	4248,000	4292,940	4278,823	1,118
00:10-00:20	4128,000	4248,000	4392,000	4224,000	4392,000	4224,000	4268,000		1,112
00:20-00:30	4104,000	4272,000	4392,000	4248,000	4392,000	4296,000	4284,000		1,116
00:30-00:40	4104,000	4296,000	4392,000	4272,000	4416,000	4272,000	4292,000		1,118
00:40-00:50	4152,000	4248,000	4368,000	4224,000	4368,000	4248,000	4268,000		1,112
00:50-01:00	4080,000	4296,000	4392,000	4224,000	4344,000	4272,000	4268,000		1,112
01:00-01:10	4128,000	4272,000	4344,000	4224,000	4368,000	4272,000	4268,000	4257,333	1,112
01:10-01:20	4080,000	4224,000	4344,000	4224,000	4320,000	4248,000	4240,000		1,104
01:20-01:30	4128,000	4248,000	4368,000	4224,000	4416,000	4320,000	4284,000		1,116
01:30-01:40	4104,000	4248,000	4344,000	4224,000	4344,000	4224,000	4248,000		1,106
01:40-01:50	4080,000	4248,000	4320,000	4200,000	4320,000	4272,000	4240,000		1,104
01:50-02:00	4104,000	4248,000	4344,000	4248,000	4392,000	4248,000	4264,000		1,111
02:00-02:10	4080,000	4224,000	4392,000	4200,000	4320,000	4272,000	4248,000	4238,667	1,106
02:10-02:20	4080,000	4200,000	4320,000	4224,000	4320,000	4248,000	4232,000		1,102
02:20-02:30	4080,000	4200,000	4344,000	4200,000	4320,000	4272,000	4236,000		1,103
02:30-02:40	4080,000	4200,000	4344,000	4224,000	4320,000	4248,000	4236,000		1,103
02:40-02:50	4080,000	4224,000	4344,000	4224,000	4296,000	4272,000	4240,000		1,104
02:50-03:00	4080,000	4176,000	4344,000	4272,000	4320,000	4248,000	4240,000		1,104
03:00-03:10	4080,000	4200,000	4344,000	4152,000	4368,000	4272,000	4236,000	4234,000	1,103
03:10-03:20	4056,000	4200,000	4344,000	4248,000	4296,000	4224,000	4228,000		1,101
03:20-03:30	4128,000	4200,000	4368,000	4200,000	4344,000	4272,000	4252,000		1,107
03:30-03:40	4032,000	4176,000	4368,000	4176,000	4392,000	4248,000	4232,000		1,102
03:40-03:50	4128,000	4200,000	4320,000	4128,000	4296,000	4296,000	4228,000		1,101
03:50-04:00	4080,000	4152,000	4296,000	4224,000	4368,000	4248,000	4228,000		1,101
04:00-04:10	4056,000	4176,000	4296,000	4200,000	4392,000	4296,000	4236,000	4234,000	1,103
04:10-04:20	4080,000	4176,000	4320,000	4200,000	4368,000	4320,000	4244,000		1,105
04:20-04:30	4104,000	4176,000	4248,000	4152,000	4368,000	4320,000	4228,000		1,101
04:30-04:40	4080,000	4152,000	4320,000	4200,000	4392,000	4320,000	4244,000		1,105
04:40-04:50	4080,000	4200,000	4248,000	4176,000	4344,000	4320,000	4228,000		1,101
04:50-05:00	4128,000	4152,000	4200,000	4152,000	4392,000	4320,000	4224,000		1,100
05:00-05:10	4104,000	4176,000	4296,000	4176,000	4368,000	4368,000	4248,000	4238,667	1,106
05:10-05:20	4080,000	4152,000	4296,000	4176,000	4368,000	4344,000	4236,000		1,103
05:20-05:30	4104,000	4152,000	4224,000	4128,000	4392,000	4392,000	4232,000		1,102
05:30-05:40	4104,000	4152,000	4272,000	4152,000	4320,000	4320,000	4220,000		1,099
05:40-05:50	4128,000	4152,000	4248,000	4200,000	4416,000	4416,000	4260,000		1,110
05:50-06:00	4080,000	4152,000	4248,000	4200,000	4344,000	4392,000	4236,000		1,103
06:00-06:10	4104,000	4152,000	4272,000	4200,000	4344,000	4416,000	4248,000	4252,000	1,106
06:10-06:20	4176,000	4152,000	4224,000	4200,000	4416,000	4416,000	4264,000		1,111
06:20-06:30	4056,000	4128,000	4248,000	4224,000	4392,000	4416,000	4244,000		1,105
06:30-06:40	4128,000	4152,000	4272,000	4200,000	4368,000	4416,000	4256,000		1,109
06:40-06:50	4080,000	4128,000	4200,000	4248,000	4392,000	4392,000	4240,000		1,104
06:50-07:00	4080,000	4152,000	4272,000	4248,000	4368,000	4440,000	4260,000		1,110
07:00-07:10	4128,000	4176,000	4296,000	4272,000	4392,000	4440,000	4284,000	4276,000	1,116
07:10-07:20	4152,000	4104,000	4248,000	4224,000	4344,000	4440,000	4252,000		1,107
07:20-07:30	4128,000	4200,000	4248,000	4248,000	4392,000	4464,000	4280,000		1,115
07:30-07:40	4152,000	4152,000	4272,000	4296,000	4368,000	4488,000	4288,000		1,117
07:40-07:50	4128,000	4152,000	4248,000	4248,000	4392,000	4416,000	4264,000		1,111
07:50-08:00	4152,000	4176,000	4272,000	4344,000	4344,000	4440,000	4288,000		1,117

08:00-08:10	4176,000	4176,000	4296,000	4296,000	4392,000	4512,000	4308,000	4592,000	1,122
08:10-08:20	4104,000	4176,000	4248,000	4248,000	4368,000	4464,000	4268,000		1,112
08:20-08:30	4128,000	4176,000	4272,000	4296,000	6288,000	4416,000	4596,000		1,197
08:30-08:40	4104,000	4176,000	4224,000	4248,000	7584,000	4512,000	4808,000		1,252
08:40-08:50	4104,000	4176,000	4200,000	4296,000	7512,000	4440,000	4788,000		1,247
08:50-09:00	4104,000	4224,000	4176,000	4248,000	7512,000	4440,000	4784,000		1,246
09:00-09:10	4056,000	4176,000	4128,000	4248,000	7488,000	4440,000	4756,000	3102,667	1,239
09:10-09:20	4032,000	4176,000	4176,000	4248,000	7464,000	4440,000	4756,000		1,239
09:20-09:30	4104,000	4224,000	2208,000	4080,000	7464,000	3000,000	4180,000		1,089
09:30-09:40	3384,000	4200,000	648,000	720,000	5352,000	696,000	2500,000		0,651
09:40-09:50	504,000	4200,000	624,000	624,000	624,000	648,000	1204,000		0,314
09:50-10:00	504,000	4224,000	624,000	624,000	648,000	696,000	1220,000		0,318
10:00-10:10	504,000	4248,000	624,000	672,000	648,000	648,000	1224,000	1224,667	0,319
10:10-10:20	528,000	4248,000	624,000	624,000	648,000	672,000	1224,000		0,319
10:20-10:30	504,000	4224,000	624,000	672,000	672,000	696,000	1232,000		0,321
10:30-10:40	504,000	4272,000	624,000	624,000	624,000	648,000	1216,000		0,317
10:40-10:50	504,000	4224,000	648,000	648,000	624,000	672,000	1220,000		0,318
10:50-11:00	528,000	4272,000	624,000	672,000	648,000	648,000	1232,000		0,321
11:00-11:10	504,000	4248,000	648,000	648,000	624,000	696,000	1228,000	1229,333	0,320
11:10-11:20	480,000	4272,000	624,000	648,000	648,000	648,000	1220,000		0,318
11:20-11:30	528,000	4272,000	624,000	648,000	648,000	672,000	1232,000		0,321
11:30-11:40	504,000	4272,000	648,000	672,000	624,000	672,000	1232,000		0,321
11:40-11:50	504,000	4344,000	624,000	648,000	648,000	648,000	1236,000		0,322
11:50-12:00	504,000	4224,000	624,000	672,000	648,000	696,000	1228,000		0,320
12:00-12:10	504,000	4296,000	624,000	648,000	624,000	648,000	1224,000	3253,338	0,319
12:10-12:20	504,000	4248,000	3720,000	2184,000	1300,645	3360,000	2552,774		0,665
12:20-12:30	504,000	4272,000	4272,000	4416,000	4315,528	4416,000	3699,255		0,964
12:30-12:40	504,000	4200,000	4296,000	4440,000	4296,000	4392,000	3688,000		0,961
12:40-12:50	2760,000	4296,000	4272,000	4344,000	4248,000	4416,000	4056,000		1,056
12:50-13:00	4224,000	4248,000	4272,000	4440,000	4248,000	4368,000	4300,000		1,120
13:00-13:10	4200,000	4248,000	4248,000	4392,000	4272,000	4392,000	4292,000	4114,000	1,118
13:10-13:20	4200,000	4248,000	4248,000	4320,000	2760,000	4392,000	4028,000		1,049
13:20-13:30	4200,000	4224,000	4224,000	4416,000	744,000	4368,000	3696,000		0,963
13:30-13:40	4176,000	4248,000	4176,000	4344,000	3960,000	4368,000	4212,000		1,097
13:40-13:50	4176,000	4248,000	4176,000	4344,000	4056,000	4368,000	4228,000		1,101
13:50-14:00	4152,000	4200,000	4224,000	4344,000	4080,000	4368,000	4228,000		1,101
14:00-14:10	4176,000	4272,000	4104,000	4320,000	4032,000	4368,000	4212,000	4138,000	1,097
14:10-14:20	4200,000	4176,000	4200,000	4320,000	3984,000	4320,000	4200,000		1,094
14:20-14:30	4104,000	4248,000	4176,000	4320,000	3936,000	4344,000	4188,000		1,091
14:30-14:40	4200,000	4224,000	4152,000	4272,000	3912,000	4344,000	4184,000		1,090
14:40-14:50	4152,000	4200,000	4152,000	4344,000	3912,000	4368,000	4188,000		1,091
14:50-15:00	4128,000	4248,000	4200,000	4248,000	1968,000	4344,000	3856,000		1,004
15:00-15:10	4152,000	4200,000	4200,000	4296,000	648,000	4296,000	3632,000	3957,333	0,946
15:10-15:20	4128,000	4248,000	4200,000	4272,000	648,000	4320,000	3636,000		0,947
15:20-15:30	4128,000	4200,000	4200,000	4272,000	1392,000	4344,000	3756,000		0,978
15:30-15:40	4128,000	4200,000	4200,000	4248,000	4368,000	4296,000	4240,000		1,104
15:40-15:50	4128,000	4200,000	4200,000	4248,000	4320,000	4344,000	4240,000		1,104
15:50-16:00	4152,000	4224,000	4200,000	4224,000	4320,000	4320,000	4240,000		1,104
16:00-16:10	4104,000	4200,000	4200,000	4248,000	4320,000	4344,000	4236,000	4216,667	1,103
16:10-16:20	4128,000	4248,000	4248,000	4224,000	4320,000	4296,000	4244,000		1,105
16:20-16:30	4128,000	4200,000	4176,000	4224,000	4272,000	4296,000	4216,000		1,098
16:30-16:40	4080,000	4200,000	4224,000	4224,000	4248,000	4320,000	4216,000		1,098
16:40-16:50	4080,000	4176,000	4224,000	4224,000	4224,000	4224,000	4192,000		1,092
16:50-17:00	4128,000	4224,000	4152,000	4200,000	4224,000	4248,000	4196,000		1,093

17:00-17:10	4080,000	4152,000	4272,000	4248,000	4248,000	4296,000	4216,000	4197,333	1,098
17:10-17:20	4104,000	4224,000	4224,000	4200,000	4224,000	4224,000	4200,000		1,094
17:20-17:30	4080,000	4200,000	4200,000	4200,000	4200,000	4272,000	4192,000		1,092
17:30-17:40	4104,000	4200,000	4176,000	4272,000	4224,000	4296,000	4212,000		1,097
17:40-17:50	4080,000	4200,000	4200,000	4152,000	4224,000	4200,000	4176,000		1,088
17:50-18:00	4032,000	4224,000	4152,000	4272,000	4224,000	4224,000	4188,000		1,091
18:00-18:10	4056,000	4200,000	4176,000	4176,000	4224,000	4296,000	4188,000	3890,356	1,091
18:10-18:20	4080,000	4224,000	4176,000	4200,000	4248,000	4248,000	4196,000		1,093
18:20-18:30	4056,000	4224,000	4224,000	3312,000	4224,000	4272,000	4052,000		1,055
18:30-18:40	4080,000	4224,000	4200,000	672,000	4296,000	4272,000	3624,000		0,944
18:40-18:50	4128,000	4224,000	4260,822	624,000	4272,000	4272,000	3630,137		0,946
18:50-19:00	4152,000	4248,000	4296,000	672,000	4224,000	4320,000	3652,000		0,951
19:00-19:10	4080,000	4248,000	4248,000	624,000	4344,000	4320,000	3644,000	3674,908	0,949
19:10-19:20	4104,000	4248,000	4248,000	648,000	4296,000	4320,000	3644,000		0,949
19:20-19:30	4176,000	4272,000	4296,000	672,000	4320,000	4368,000	3684,000		0,960
19:30-19:40	4080,000	4248,000	4464,000	624,000	4344,000	4392,000	3692,000		0,962
19:40-19:50	4128,000	4272,000	4328,701	672,000	4320,000	4392,000	3685,450		0,960
19:50-20:00	4200,000	4272,000	4272,000	648,000	4344,000	4464,000	3700,000		0,964
20:00-20:10	4152,000	4248,000	4296,000	672,000	4344,000	4368,000	3680,000	3704,000	0,958
20:10-20:20	4128,000	4272,000	4296,000	648,000	4368,000	4464,000	3696,000		0,963
20:20-20:30	4152,000	4272,000	4320,000	624,000	4368,000	4440,000	3696,000		0,963
20:30-20:40	4128,000	4272,000	4344,000	672,000	4416,000	4464,000	3716,000		0,968
20:40-20:50	4152,000	4272,000	4344,000	624,000	4392,000	4464,000	3708,000		0,966
20:50-21:00	4176,000	4296,000	4368,000	624,000	4440,000	4464,000	3728,000		0,971
21:00-21:10	4128,000	4296,000	4344,000	672,000	4416,000	4440,000	3716,000	4201,333	0,968
21:10-21:20	4152,000	4320,000	4320,000	3336,000	4392,000	4440,000	4160,000		1,084
21:20-21:30	4152,000	4320,000	4368,000	4392,000	4416,000	4416,000	4344,000		1,131
21:30-21:40	4176,000	4320,000	4368,000	4392,000	4368,000	4368,000	4332,000		1,128
21:40-21:50	4200,000	4368,000	4368,000	4392,000	4320,000	4416,000	4344,000		1,131
21:50-22:00	4152,000	4368,000	4392,000	4344,000	4296,000	4320,000	4312,000		1,123
22:00-22:10	4200,000	4368,000	4368,000	4344,000	4296,000	4320,000	4316,000	4313,333	1,124
22:10-22:20	4176,000	4392,000	4392,000	4344,000	4224,000	4320,000	4308,000		1,122
22:20-22:30	4224,000	4392,000	4344,000	4392,000	4272,000	4320,000	4324,000		1,126
22:30-22:40	4200,000	4392,000	4320,000	4296,000	4224,000	4296,000	4288,000		1,117
22:40-22:50	4272,000	4416,000	4368,000	4368,000	4296,000	4272,000	4332,000		1,128
22:50-23:00	4272,000	4416,000	4320,000	4344,000	4248,000	4272,000	4312,000		1,123
23:00-23:10	4272,000	4392,000	4320,000	4320,000	4272,000	4320,000	4316,000	4325,410	1,124
23:10-23:20	4272,000	4392,000	4320,000	4392,000	4272,000	4296,000	4324,000		1,126
23:20-23:30	4296,000	4368,000	4320,000	4344,000	4296,000	4272,000	4316,000		1,124
23:30-23:40	4272,000	4416,000	4320,000	4344,000	4248,000	4320,000	4320,000		1,125
23:40-23:50	4296,000	4440,000	4320,000	4368,000	4296,000	4296,000	4336,000		1,129
23:50-00:00	4296,000	4368,000	4354,150	4422,265	4244,898	4357,447	4340,460		1,131

Caudal Médio Diário = 3839,34 m3/h

Caudais Médios *Jovim - Ramalde (saída de Jovim)*
Caudal (m3/h)
6000
5000
4000
3000
2000
1000
0
00:00-00:10
00:40-00:50
01:20-01:30
02:00-02:10
02:40-02:50
03:20-03:30
04:00-04:10
04:40-04:50
05:20-05:30
06:00-06:10
06:40-06:50
07:20-07:30
08:00-08:10
08:40-08:50
09:20-09:30
10:00-10:10
10:40-10:50
11:20-11:30
12:00-12:10
12:40-12:50
13:20-13:30
14:00-14:10
14:40-14:50
15:20-15:30
16:00-16:10
16:40-16:50
17:20-17:30
18:00-18:10
18:40-18:50
19:20-19:30
20:00-20:10
20:40-20:50
21:20-21:30
22:00-22:10
22:40-22:50
23:20-23:30
Hora

Caudais Médios Horários *Jovim - Ramalde (saída de Jovim)*
Caudal (m3/h)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CAUDAIS

Alto do Marquinho - Jusante (saída de Alto do Marquinho)

09.02.2008

P.Entrega	A.Marq	S.Miguel	V.Maior	Olival	Cabeço	Argonç	Mozelos	R_S.Vic	R_Ramil	R_Mozelos	Sum
Hora	Caudal (m3/h)										
00:00-00:10	16,487	0,000	15,451	23,276	170,690	7,759	18,912	151,536	1303,448	41,703	1749,260
00:10-00:20	18,000	0,000	12,000	24,000	18,000	6,000	17,625	153,469	1341,000	39,750	1629,844
00:20-00:30	16,500	6,000	18,000	18,000	96,000	12,000	17,625	151,781	1333,500	38,250	1707,656
00:30-00:40	17,250	0,000	12,000	24,000	60,000	6,000	17,625	152,063	1396,500	40,500	1725,938
00:40-00:50	15,000	0,000	18,000	18,000	18,000	6,000	15,750	154,875	1435,500	38,250	1719,375
00:50-01:00	16,500	6,000	12,000	24,000	132,000	6,000	15,375	152,203	1414,500	39,000	1817,578
01:00-01:10	15,000	0,000	12,000	18,000	18,000	6,000	16,125	152,719	1465,500	39,750	1743,094
01:10-01:20	11,250	0,000	12,000	24,000	24,000	0,000	13,500	155,719	1441,500	39,750	1721,719
01:20-01:30	12,000	6,000	12,000	18,000	12,000	6,000	13,875	152,297	1281,000	39,750	1552,922
01:30-01:40	14,250	0,000	12,000	24,000	24,000	6,000	11,625	156,094	655,500	39,750	943,219
01:40-01:50	11,250	0,000	6,000	18,000	18,000	6,000	11,250	155,297	591,000	39,000	855,797
01:50-02:00	9,750	0,000	12,000	18,000	18,000	0,000	10,500	156,469	984,000	38,250	1246,969
02:00-02:10	9,750	6,000	6,000	24,000	18,000	6,000	10,875	155,250	1180,500	33,000	1449,375
02:10-02:20	4,500	0,000	12,000	24,000	18,000	0,000	9,750	156,938	1219,500	31,500	1476,188
02:20-02:30	0,750	0,000	12,000	18,000	18,000	6,000	7,500	156,984	1218,000	29,250	1466,484
02:30-02:40	0,000	6,000	6,000	18,000	24,000	0,000	6,750	155,531	1194,000	27,000	1437,281
02:40-02:50	0,750	0,000	12,000	24,000	18,000	6,000	6,750	155,391	1189,500	24,750	1437,141
02:50-03:00	0,000	0,000	6,000	18,000	18,000	0,000	6,750	158,016	1147,500	24,750	1379,016
03:00-03:10	0,000	0,000	12,000	18,000	18,000	0,000	6,000	155,484	1084,500	24,000	1317,984
03:10-03:20	0,000	6,000	6,000	18,000	18,000	6,000	6,375	155,531	1048,500	23,250	1287,656
03:20-03:30	0,000	0,000	6,000	18,000	18,000	0,000	5,625	155,531	1015,500	23,250	1241,906
03:30-03:40	0,000	0,000	12,000	18,000	18,000	6,000	5,250	156,797	999,000	19,500	1234,547
03:40-03:50	0,000	0,000	6,000	12,000	18,000	0,000	5,250	156,844	1002,000	18,750	1218,844
03:50-04:00	0,000	6,000	12,000	18,000	24,000	0,000	5,625	155,531	997,500	18,000	1236,656
04:00-04:10	0,000	0,000	6,000	12,000	12,000	6,000	5,250	156,938	996,000	17,250	1211,438
04:10-04:20	0,000	0,000	6,000	18,000	24,000	0,000	5,625	155,625	991,500	18,000	1218,750
04:20-04:30	0,000	0,000	6,000	12,000	18,000	6,000	5,625	155,578	979,500	15,750	1198,453
04:30-04:40	0,000	6,000	12,000	18,000	18,000	0,000	5,625	158,766	466,500	16,500	701,391
04:40-04:50	0,000	0,000	6,000	12,000	18,000	6,000	6,000	156,516	31,500	15,000	251,016
04:50-05:00	0,000	0,000	6,000	12,000	18,000	0,000	5,625	156,703	12,000	13,500	223,828
05:00-05:10	0,000	0,000	12,000	12,000	18,000	6,000	5,625	157,125	12,000	15,000	237,750
05:10-05:20	0,000	6,000	6,000	12,000	24,000	0,000	6,750	160,172	34,500	14,250	263,672
05:20-05:30	0,000	0,000	6,000	12,000	18,000	0,000	6,375	157,781	432,000	13,500	645,656
05:30-05:40	0,000	0,000	12,000	12,000	18,000	6,000	6,750	158,109	691,500	15,000	919,359
05:40-05:50	0,750	0,000	6,000	12,000	18,000	6,000	7,875	160,969	822,000	15,000	1048,594
05:50-06:00	0,000	6,000	12,000	12,000	18,000	0,000	7,500	158,672	967,500	15,000	1196,672
06:00-06:10	0,000	0,000	6,000	12,000	18,000	6,000	6,375	158,906	924,000	16,500	1147,781
06:10-06:20	4,500	0,000	12,000	12,000	18,000	6,000	12,375	160,828	696,000	16,500	938,203
06:20-06:30	11,250	0,000	6,000	12,000	24,000	0,000	9,375	159,750	642,000	15,750	880,125
06:30-06:40	8,250	6,000	12,000	12,000	18,000	6,000	7,875	159,938	574,500	15,750	820,313
06:40-06:50	12,000	0,000	12,000	12,000	18,000	6,000	8,625	162,375	276,000	14,250	521,250
06:50-07:00	11,250	0,000	12,000	6,000	18,000	6,000	9,375	159,938	91,500	15,000	329,063
07:00-07:10	13,500	6,000	18,000	12,000	18,000	6,000	11,250	159,938	46,500	13,500	304,688
07:10-07:20	15,750	0,000	12,000	12,000	18,000	6,000	12,375	162,422	184,500	13,500	436,547
07:20-07:30	15,000	0,000	18,000	12,000	24,000	12,000	16,500	158,953	700,500	13,500	970,453
07:30-07:40	17,250	0,000	18,000	12,000	18,000	6,000	18,375	158,484	993,000	12,750	1253,859

07:40-07:50	18,750	6,000	18,000	6,000	132,000	6,000	18,000	158,063	1009,500	14,250	1386,563
07:50-08:00	20,250	0,000	18,000	12,000	18,000	6,000	19,125	160,078	745,500	15,750	1014,703
08:00-08:10	27,750	0,000	24,000	12,000	132,000	12,000	19,875	160,266	306,000	16,500	710,391
08:10-08:20	27,000	6,000	18,000	12,000	18,000	6,000	25,500	159,141	186,000	22,500	480,141
08:20-08:30	29,250	0,000	24,000	6,000	84,000	12,000	27,750	159,703	127,500	24,750	494,953
08:30-08:40	32,250	0,000	24,000	12,000	66,000	18,000	29,250	158,391	111,000	30,000	480,891
08:40-08:50	36,750	6,000	30,000	12,000	24,000	18,000	30,000	158,438	148,500	32,250	495,938
08:50-09:00	36,000	0,000	24,000	12,000	132,000	12,000	31,125	160,734	250,500	33,000	691,359
09:00-09:10	39,000	0,000	30,000	12,000	18,000	12,000	38,250	157,734	292,500	35,250	634,734
09:10-09:20	38,250	6,000	36,000	6,000	132,000	18,000	38,625	157,453	273,000	34,500	739,828
09:20-09:30	39,000	36,000	30,000	12,000	18,000	24,000	42,000	157,406	231,000	36,750	626,156
09:30-09:40	37,500	42,000	30,000	12,000	120,000	18,000	37,125	159,563	196,500	41,250	693,938
09:40-09:50	37,500	36,000	36,000	12,000	30,000	24,000	39,000	156,844	178,500	48,000	597,844
09:50-10:00	39,000	36,000	30,000	12,000	36,000	24,000	42,375	156,375	175,500	52,500	603,750
10:00-10:10	43,500	42,000	42,000	18,000	120,000	30,000	36,000	157,313	229,500	60,000	778,313
10:10-10:20	50,250	36,000	36,000	12,000	18,000	18,000	40,125	156,750	331,500	59,250	757,875
10:20-10:30	54,000	36,000	42,000	12,000	132,000	24,000	40,125	154,875	376,500	60,000	931,500
10:30-10:40	50,250	42,000	36,000	18,000	18,000	24,000	42,750	156,188	382,500	62,250	831,938
10:40-10:50	52,500	30,000	36,000	12,000	120,000	24,000	44,250	154,875	376,500	62,250	912,375
10:50-11:00	50,250	42,000	36,000	18,000	30,000	24,000	41,625	156,000	349,500	64,500	811,875
11:00-11:10	52,500	42,000	36,000	18,000	72,000	24,000	42,000	155,531	331,500	63,750	837,281
11:10-11:20	53,250	36,000	36,000	18,000	78,000	24,000	42,000	153,938	327,000	69,750	837,938
11:20-11:30	56,250	0,000	42,000	24,000	18,000	30,000	42,000	153,563	321,000	69,750	756,563
11:30-11:40	57,750	6,000	36,000	18,000	132,000	18,000	45,000	153,188	319,500	69,000	854,438
11:40-11:50	56,250	0,000	42,000	18,000	18,000	24,000	45,750	155,063	660,000	69,750	1088,813
11:50-12:00	56,250	6,000	42,000	24,000	132,000	24,000	49,125	152,531	1072,500	65,250	1623,656
12:00-12:10	60,750	0,000	36,000	24,000	18,000	30,000	54,000	152,250	1279,500	64,500	1719,000
12:10-12:20	63,750	6,000	36,000	18,000	96,000	18,000	45,750	151,594	1338,000	68,250	1841,344
12:20-12:30	54,000	6,000	42,000	18,000	54,000	24,000	48,000	153,375	1381,500	66,750	1847,625
12:30-12:40	57,750	6,000	42,000	24,000	18,000	18,000	45,375	149,250	1417,500	66,750	1844,625
12:40-12:50	50,250	0,000	42,000	24,000	132,000	24,000	42,000	152,063	1416,000	68,250	1950,563
12:50-13:00	53,250	6,000	36,000	18,000	18,000	24,000	45,750	151,688	1471,500	69,000	1893,188
13:00-13:10	53,250	0,000	42,000	24,000	132,000	24,000	46,875	151,688	1441,500	66,000	1981,313
13:10-13:20	50,250	6,000	36,000	18,000	18,000	24,000	45,000	150,188	1476,000	66,000	1889,438
13:20-13:30	52,500	6,000	42,000	24,000	90,000	24,000	46,125	151,125	1456,500	66,000	1958,250
13:30-13:40	53,250	0,000	36,000	24,000	60,000	24,000	43,125	150,750	1471,500	64,500	1927,125
13:40-13:50	57,000	6,000	36,000	24,000	18,000	18,000	42,375	148,781	1482,000	64,500	1896,656
13:50-14:00	52,500	0,000	42,000	24,000	138,000	24,000	45,750	151,969	1453,500	63,750	1995,469
14:00-14:10	51,000	6,000	36,000	24,000	18,000	18,000	44,250	150,188	1488,000	64,500	1899,938
14:10-14:20	47,250	0,000	36,000	24,000	126,000	18,000	39,750	150,750	1474,500	64,500	1980,750
14:20-14:30	51,750	6,000	36,000	24,000	24,000	24,000	46,875	150,938	1488,000	63,750	1915,313
14:30-14:40	57,000	0,000	30,000	24,000	84,000	18,000	44,250	153,563	1456,500	64,500	1931,813
14:40-14:50	57,750	6,000	36,000	30,000	60,000	24,000	41,250	151,969	1066,500	66,000	1539,469
14:50-15:00	58,500	0,000	30,000	24,000	18,000	12,000	38,625	153,094	144,000	86,250	564,469
15:00-15:10	54,000	6,000	30,000	30,000	132,000	24,000	36,375	154,406	795,000	70,500	1332,281
15:10-15:20	48,000	0,000	30,000	24,000	18,000	18,000	38,625	154,500	1123,500	60,000	1514,625
15:20-15:30	51,750	6,000	36,000	30,000	132,000	24,000	41,250	153,000	1182,000	57,750	1713,750
15:30-15:40	51,750	6,000	30,000	24,000	18,000	24,000	39,000	154,688	1183,500	56,250	1587,188
15:40-15:50	58,500	0,000	30,000	30,000	126,000	24,000	43,125	153,750	1126,500	55,500	1647,375
15:50-16:00	58,500	6,000	30,000	30,000	24,000	18,000	40,500	155,438	1135,500	57,750	1555,688

16:00-16:10	57,750	6,000	30,000	24,000	30,000	18,000	46,500	154,219	1128,000	54,750	1549,219
16:10-16:20	58,500	0,000	36,000	30,000	120,000	24,000	47,250	155,531	1132,500	53,250	1657,031
16:20-16:30	51,000	0,000	30,000	30,000	12,000	24,000	42,750	154,313	1152,000	51,750	1547,813
16:30-16:40	49,500	6,000	30,000	30,000	132,000	24,000	41,625	155,906	1137,000	50,250	1656,281
16:40-16:50	48,750	0,000	30,000	30,000	18,000	18,000	43,500	156,469	1159,500	52,500	1556,719
16:50-17:00	51,000	6,000	30,000	24,000	126,000	24,000	37,875	154,781	1125,000	51,000	1629,656
17:00-17:10	48,000	0,000	36,000	30,000	24,000	24,000	37,875	156,000	1086,000	53,250	1495,125
17:10-17:20	48,000	6,000	42,000	30,000	120,000	30,000	34,875	154,688	996,000	53,250	1514,813
17:20-17:30	53,250	0,000	36,000	30,000	30,000	30,000	32,625	155,438	958,500	54,750	1380,563
17:30-17:40	48,000	0,000	30,000	30,000	30,000	24,000	36,750	157,406	928,500	55,500	1340,156
17:40-17:50	48,750	6,000	36,000	30,000	114,000	30,000	43,500	157,031	904,500	55,500	1425,281
17:50-18:00	51,750	6,000	30,000	30,000	24,000	36,000	45,000	156,000	961,500	54,750	1395,000
18:00-18:10	48,000	0,000	36,000	30,000	132,000	30,000	40,125	156,844	972,000	54,000	1498,969
18:10-18:20	63,000	6,000	30,000	24,000	18,000	24,000	37,125	156,750	1005,000	55,500	1419,375
18:20-18:30	65,250	0,000	42,000	30,000	126,000	30,000	40,500	154,688	792,000	55,500	1335,938
18:30-18:40	71,250	6,000	48,000	30,000	24,000	30,000	44,250	154,969	466,500	60,000	934,969
18:40-18:50	57,750	0,000	42,000	36,000	114,000	24,000	44,625	158,531	421,500	61,500	959,906
18:50-19:00	52,500	6,000	36,000	24,000	36,000	24,000	45,375	156,375	444,000	61,500	885,750
19:00-19:10	48,000	0,000	36,000	30,000	36,000	24,000	49,500	156,563	448,500	63,000	891,563
19:10-19:20	52,500	6,000	36,000	30,000	120,000	18,000	51,000	156,375	432,000	62,250	964,125
19:20-19:30	45,750	0,000	42,000	30,000	18,000	30,000	42,750	158,344	409,500	62,250	838,594
19:30-19:40	42,750	24,000	42,000	30,000	138,000	18,000	42,375	153,844	397,500	61,500	949,969
19:40-19:50	46,500	36,000	36,000	30,000	18,000	24,000	41,625	156,563	406,500	60,000	855,188
19:50-20:00	45,000	36,000	36,000	30,000	132,000	18,000	39,000	156,938	451,500	57,000	1001,438
20:00-20:10	43,500	42,000	36,000	30,000	24,000	18,000	37,875	155,156	489,000	54,750	930,281
20:10-20:20	48,750	36,000	36,000	30,000	138,000	24,000	40,125	154,688	465,000	53,250	1025,813
20:20-20:30	39,750	36,000	24,000	30,000	24,000	18,000	43,125	157,594	477,000	52,500	901,969
20:30-20:40	39,750	36,000	36,000	30,000	48,000	18,000	38,250	154,688	505,500	51,750	957,938
20:40-20:50	42,000	42,000	30,000	30,000	108,000	18,000	34,125	154,125	526,500	51,750	1036,500
20:50-21:00	36,000	36,000	30,000	30,000	24,000	18,000	37,875	154,313	525,000	53,250	944,438
21:00-21:10	32,250	36,000	30,000	30,000	138,000	12,000	34,125	156,469	496,500	51,750	1017,094
21:10-21:20	37,500	36,000	24,000	30,000	24,000	18,000	34,875	153,938	495,000	53,250	906,563
21:20-21:30	36,750	42,000	30,000	30,000	138,000	12,000	31,125	153,375	493,500	52,500	1019,250
21:30-21:40	32,250	24,000	30,000	24,000	24,000	12,000	28,875	153,094	513,000	51,750	892,969
21:40-21:50	30,000	6,000	24,000	30,000	108,000	18,000	28,500	155,906	508,500	51,000	959,906
21:50-22:00	27,000	0,000	24,000	30,000	54,000	12,000	25,125	153,375	501,000	51,000	877,500
22:00-22:10	26,250	0,000	18,000	30,000	24,000	6,000	24,000	153,375	495,000	48,000	824,625
22:10-22:20	25,500	6,000	24,000	30,000	138,000	12,000	27,000	154,406	496,500	46,500	959,906
22:20-22:30	26,250	0,000	24,000	30,000	24,000	18,000	23,625	154,781	505,500	45,000	851,156
22:30-22:40	27,750	0,000	24,000	24,000	138,000	6,000	25,875	153,000	484,500	40,500	923,625
22:40-22:50	27,000	6,000	24,000	30,000	24,000	12,000	23,250	154,781	475,500	39,750	816,281
22:50-23:00	24,000	0,000	18,000	30,000	108,000	12,000	24,375	153,469	453,000	36,750	859,594
23:00-23:10	21,750	0,000	24,000	30,000	54,000	6,000	24,750	153,750	525,000	38,250	877,500
23:10-23:20	24,750	6,000	18,000	24,000	30,000	12,000	22,125	156,188	829,500	36,000	1158,563
23:20-23:30	23,250	0,000	24,000	30,000	138,000	12,000	21,000	153,000	1077,000	36,000	1514,250
23:30-23:40	24,000	0,000	24,000	24,000	24,000	12,000	22,125	152,906	1171,500	36,000	1490,531
23:40-23:50	23,250	6,000	18,000	30,000	138,000	6,000	21,375	152,719	1167,000	36,000	1598,344
23:50-00:00	24,750	0,000	18,000	30,000	30,000	12,000	22,125	155,625	1176,000	36,000	1504,500

Caudal Médio Diário = 1176,728 m3/h

10.02.2008

P.Entrega	A.Marq	S.Miguel	V.Maior	Olival	Cabeço	Argonç	Mozelos	R_S.Vic	R_Ramil	R_Mozelos	Sum
Hora	Caudal (m3/h)										
00:00-00:10	24,324	0,000	24,324	24,324	81,081	8,108	19,764	154,910	1147,856	36,569	1521,260
00:10-00:20	18,000	6,000	18,000	24,000	102,000	12,000	19,125	152,719	1146,000	35,250	1533,094
00:20-00:30	15,000	0,000	18,000	30,000	24,000	6,000	18,000	153,938	1171,500	34,500	1470,938
00:30-00:40	15,750	0,000	12,000	24,000	138,000	6,000	18,000	154,219	1120,500	32,250	1520,719
00:40-00:50	15,750	6,000	12,000	24,000	24,000	6,000	19,500	153,000	1117,500	27,750	1405,500
00:50-01:00	14,250	0,000	18,000	30,000	132,000	6,000	16,125	154,125	1080,000	26,250	1476,750
01:00-01:10	12,750	0,000	12,000	24,000	30,000	12,000	16,125	153,000	1086,000	24,750	1370,625
01:10-01:20	13,500	6,000	12,000	24,000	24,000	6,000	13,875	154,219	1066,500	25,500	1345,594
01:20-01:30	12,000	0,000	12,000	30,000	138,000	6,000	11,625	151,875	1057,500	23,250	1442,250
01:30-01:40	15,750	0,000	12,000	18,000	24,000	6,000	10,125	155,438	1104,000	21,750	1367,063
01:40-01:50	12,750	0,000	12,000	30,000	24,000	0,000	12,750	153,094	1114,500	22,500	1381,594
01:50-02:00	13,500	6,000	6,000	18,000	24,000	6,000	11,625	153,094	1111,500	21,750	1371,469
02:00-02:10	9,750	0,000	12,000	24,000	24,000	6,000	9,750	155,719	1117,500	20,250	1378,969
02:10-02:20	7,500	0,000	6,000	24,000	24,000	0,000	9,750	153,563	1110,000	21,750	1356,563
02:20-02:30	1,500	0,000	12,000	18,000	24,000	6,000	8,250	153,938	1101,000	20,250	1344,938
02:30-02:40	0,000	6,000	6,000	24,000	24,000	6,000	7,125	155,531	1098,000	20,250	1346,906
02:40-02:50	0,000	0,000	6,000	18,000	24,000	0,000	6,750	156,000	1089,000	20,250	1320,000
02:50-03:00	0,000	0,000	12,000	24,000	24,000	6,000	6,750	154,875	1071,000	18,750	1317,375
03:00-03:10	0,000	0,000	6,000	18,000	24,000	0,000	6,750	156,563	1087,500	18,000	1316,813
03:10-03:20	0,000	6,000	12,000	24,000	24,000	6,000	6,750	155,531	1114,500	16,500	1365,281
03:20-03:30	0,000	0,000	6,000	18,000	24,000	0,000	6,375	157,125	1131,000	15,750	1358,250
03:30-03:40	0,000	0,000	6,000	24,000	24,000	0,000	6,000	157,406	1119,000	14,250	1350,656
03:40-03:50	1,500	0,000	12,000	18,000	24,000	6,000	6,000	156,375	1092,000	13,500	1329,375
03:50-04:00	0,000	0,000	6,000	24,000	24,000	0,000	5,625	156,844	1077,000	15,000	1308,469
04:00-04:10	0,000	6,000	6,000	18,000	24,000	6,000	5,250	159,563	1033,500	14,250	1272,563
04:10-04:20	0,000	0,000	6,000	18,000	24,000	0,000	4,875	157,219	946,500	15,000	1171,594
04:20-04:30	0,000	0,000	12,000	18,000	24,000	6,000	4,875	157,219	871,500	14,250	1107,844
04:30-04:40	0,000	0,000	6,000	18,000	24,000	0,000	6,375	157,406	780,000	15,750	1007,531
04:40-04:50	0,000	6,000	6,000	18,000	24,000	0,000	5,250	160,031	762,000	15,000	996,281
04:50-05:00	0,000	0,000	12,000	12,000	24,000	6,000	5,250	157,031	841,500	15,000	1072,781
05:00-05:10	0,000	0,000	6,000	18,000	24,000	0,000	6,000	156,938	958,500	14,250	1183,688
05:10-05:20	0,000	0,000	6,000	12,000	30,000	0,000	6,375	158,250	892,500	13,500	1118,625
05:20-05:30	0,750	6,000	12,000	18,000	24,000	6,000	6,000	158,719	337,500	12,750	581,719
05:30-05:40	0,000	0,000	6,000	12,000	24,000	0,000	5,250	157,688	156,000	12,000	372,938
05:40-05:50	0,000	0,000	6,000	12,000	24,000	6,000	6,375	158,063	133,500	12,000	357,938
05:50-06:00	0,000	0,000	6,000	18,000	24,000	6,000	5,625	159,563	85,500	11,250	315,938
06:00-06:10	0,000	6,000	12,000	12,000	24,000	0,000	6,000	158,531	57,000	12,000	287,531
06:10-06:20	3,000	0,000	6,000	12,000	30,000	6,000	7,500	160,219	51,000	12,750	288,469
06:20-06:30	9,000	0,000	12,000	12,000	24,000	0,000	8,250	160,219	51,000	12,750	289,219
06:30-06:40	3,750	0,000	6,000	12,000	24,000	6,000	6,375	159,375	51,000	12,750	281,250
06:40-06:50	3,750	6,000	12,000	12,000	24,000	6,000	5,625	159,281	390,000	13,500	632,156
06:50-07:00	11,250	0,000	6,000	18,000	24,000	0,000	6,750	161,719	936,000	13,500	1177,219
07:00-07:10	10,500	0,000	12,000	12,000	24,000	6,000	9,750	158,813	1084,500	13,500	1331,063
07:10-07:20	11,250	0,000	12,000	6,000	24,000	6,000	9,375	158,813	895,500	12,750	1135,688
07:20-07:30	9,750	6,000	12,000	18,000	30,000	6,000	10,125	158,813	616,500	12,750	879,938
07:30-07:40	12,000	0,000	18,000	12,000	24,000	6,000	12,375	161,625	607,500	12,750	866,250

07:40-07:50	13,500	0,000	12,000	6,000	24,000	6,000	12,375	158,625	645,000	12,000	889,500
07:50-08:00	17,250	6,000	18,000	12,000	30,000	12,000	12,375	158,531	655,500	12,000	933,656
08:00-08:10	21,000	0,000	12,000	12,000	132,000	6,000	14,625	159,563	673,500	12,750	1043,438
08:10-08:20	20,250	0,000	24,000	12,000	30,000	12,000	18,375	159,281	703,500	12,750	992,156
08:20-08:30	23,250	6,000	18,000	12,000	132,000	12,000	24,000	157,594	724,500	13,500	1122,844
08:30-08:40	24,750	0,000	24,000	12,000	24,000	12,000	23,250	158,719	772,500	14,250	1065,469
08:40-08:50	27,000	6,000	24,000	12,000	90,000	18,000	24,375	157,031	553,500	14,250	926,156
08:50-09:00	30,000	0,000	36,000	12,000	78,000	12,000	29,250	158,156	316,500	17,250	689,156
09:00-09:10	34,500	6,000	30,000	12,000	24,000	24,000	29,250	157,594	75,000	20,250	412,594
09:10-09:20	40,500	0,000	30,000	6,000	138,000	18,000	28,500	158,531	55,500	27,750	502,781
09:20-09:30	36,000	6,000	30,000	12,000	24,000	12,000	32,250	157,313	169,500	33,000	512,063
09:30-09:40	39,000	0,000	30,000	12,000	144,000	24,000	33,750	158,438	264,000	33,750	738,938
09:40-09:50	41,250	6,000	30,000	12,000	24,000	12,000	36,750	157,500	273,000	35,250	627,750
09:50-10:00	41,250	0,000	36,000	12,000	84,000	18,000	41,250	155,531	241,500	37,500	667,031
10:00-10:10	39,000	6,000	36,000	12,000	78,000	24,000	39,375	156,094	229,500	45,750	665,719
10:10-10:20	50,250	0,000	36,000	12,000	30,000	24,000	39,000	156,000	225,000	49,500	621,750
10:20-10:30	52,500	6,000	36,000	12,000	138,000	24,000	38,625	157,688	240,000	56,250	761,063
10:30-10:40	51,750	0,000	36,000	18,000	24,000	18,000	39,750	154,969	279,000	60,750	682,219
10:40-10:50	51,000	6,000	36,000	12,000	132,000	24,000	47,250	154,688	286,500	61,500	810,938
10:50-11:00	51,000	12,000	30,000	18,000	30,000	24,000	42,750	156,094	289,500	59,250	712,594
11:00-11:10	55,500	36,000	36,000	12,000	138,000	24,000	42,750	155,250	288,000	59,250	846,750
11:10-11:20	53,250	36,000	42,000	18,000	24,000	18,000	38,250	153,750	292,500	61,500	737,250
11:20-11:30	46,500	36,000	30,000	18,000	48,000	30,000	42,375	153,656	288,000	60,000	752,531
11:30-11:40	48,750	42,000	36,000	24,000	114,000	24,000	43,875	154,781	294,000	60,750	842,156
11:40-11:50	54,000	36,000	42,000	24,000	24,000	24,000	42,000	153,844	586,500	60,000	1046,344
11:50-12:00	50,250	42,000	42,000	18,000	144,000	18,000	44,625	151,875	993,000	55,500	1559,250
12:00-12:10	57,750	30,000	36,000	18,000	18,000	24,000	40,500	153,094	1116,000	54,000	1547,344
12:10-12:20	57,000	42,000	42,000	24,000	138,000	24,000	39,750	151,781	984,000	55,500	1558,031
12:20-12:30	46,500	36,000	36,000	24,000	24,000	18,000	41,625	153,844	840,000	57,000	1276,969
12:30-12:40	46,500	42,000	36,000	18,000	72,000	24,000	42,375	154,500	642,000	63,750	1141,125
12:40-12:50	43,500	36,000	30,000	24,000	96,000	18,000	46,875	153,094	637,500	67,500	1152,469
12:50-13:00	42,750	36,000	30,000	24,000	24,000	18,000	40,875	154,781	676,500	66,750	1113,656
13:00-13:10	45,000	6,000	30,000	24,000	138,000	24,000	40,875	152,063	702,000	62,250	1224,188
13:10-13:20	39,750	0,000	30,000	24,000	24,000	12,000	40,125	156,375	726,000	60,000	1112,250
13:20-13:30	41,250	6,000	30,000	18,000	132,000	24,000	36,750	153,563	724,500	60,750	1226,813
13:30-13:40	39,000	0,000	30,000	24,000	24,000	18,000	36,375	153,656	771,000	57,000	1153,031
13:40-13:50	37,500	6,000	30,000	24,000	66,000	24,000	33,750	154,125	948,000	54,750	1378,125
13:50-14:00	39,000	0,000	30,000	30,000	96,000	18,000	33,375	154,406	1069,500	55,500	1525,781
14:00-14:10	38,250	6,000	36,000	24,000	24,000	18,000	35,250	152,531	1092,000	51,000	1477,031
14:10-14:20	39,000	6,000	24,000	24,000	138,000	18,000	37,875	154,219	1032,000	51,000	1524,094
14:20-14:30	39,000	0,000	30,000	24,000	24,000	18,000	31,125	153,188	1053,000	51,750	1424,063
14:30-14:40	37,500	0,000	30,000	24,000	132,000	12,000	33,000	154,500	1029,000	49,500	1501,500
14:40-14:50	36,750	6,000	18,000	24,000	24,000	12,000	29,625	154,875	1045,500	50,250	1401,000
14:50-15:00	39,750	0,000	24,000	30,000	132,000	18,000	29,250	153,281	1014,000	49,500	1489,781
15:00-15:10	31,500	6,000	24,000	24,000	24,000	12,000	25,125	153,469	1000,500	49,500	1350,094
15:10-15:20	30,750	0,000	24,000	24,000	60,000	12,000	22,500	156,188	963,000	49,500	1341,938
15:20-15:30	31,500	0,000	18,000	24,000	102,000	12,000	27,750	152,344	963,000	48,000	1378,594
15:30-15:40	27,750	6,000	24,000	30,000	30,000	12,000	25,125	155,344	1014,000	49,500	1373,719
15:40-15:50	30,000	0,000	24,000	18,000	132,000	6,000	23,250	154,031	1002,000	44,250	1433,531
15:50-16:00	24,750	0,000	18,000	30,000	24,000	12,000	22,875	155,531	1000,500	40,500	1328,156

16:00-16:10	27,000	6,000	24,000	24,000	138,000	12,000	22,875	154,594	970,500	41,250	1420,219
16:10-16:20	22,500	0,000	24,000	24,000	24,000	6,000	24,000	156,750	972,000	37,500	1290,750
16:20-16:30	24,000	0,000	18,000	24,000	102,000	12,000	19,875	156,844	963,000	36,000	1355,719
16:30-16:40	21,750	6,000	24,000	24,000	54,000	12,000	21,375	155,813	1002,000	37,500	1358,438
16:40-16:50	23,250	0,000	12,000	24,000	30,000	6,000	19,875	157,969	1005,000	35,250	1313,344
16:50-17:00	19,500	0,000	18,000	24,000	126,000	12,000	20,250	158,344	973,500	33,750	1385,344
17:00-17:10	20,250	0,000	18,000	24,000	30,000	12,000	19,875	157,406	937,500	34,500	1253,531
17:10-17:20	22,500	6,000	18,000	24,000	132,000	6,000	19,875	157,313	901,500	34,500	1321,688
17:20-17:30	22,500	0,000	18,000	24,000	24,000	12,000	20,250	160,406	949,500	33,750	1264,406
17:30-17:40	21,000	0,000	24,000	24,000	138,000	6,000	22,875	157,313	966,000	34,500	1393,688
17:40-17:50	22,500	6,000	18,000	24,000	24,000	12,000	21,375	157,781	988,500	34,500	1308,656
17:50-18:00	22,500	0,000	18,000	18,000	120,000	6,000	22,500	157,500	969,000	33,750	1367,250
18:00-18:10	21,000	0,000	24,000	24,000	42,000	12,000	30,750	159,750	940,500	35,250	1289,250
18:10-18:20	23,250	6,000	24,000	24,000	66,000	12,000	27,000	155,813	897,000	32,250	1267,313
18:20-18:30	27,000	0,000	24,000	24,000	96,000	12,000	24,750	159,094	702,000	33,750	1102,594
18:30-18:40	22,500	0,000	24,000	24,000	24,000	12,000	23,625	157,500	489,000	30,750	807,375
18:40-18:50	26,250	6,000	18,000	18,000	138,000	12,000	26,625	160,781	277,500	32,250	715,406
18:50-19:00	27,000	0,000	24,000	24,000	30,000	18,000	24,750	158,344	213,000	31,500	550,594
19:00-19:10	21,750	6,000	18,000	24,000	24,000	6,000	23,250	158,250	201,000	30,000	512,250
19:10-19:20	26,250	0,000	24,000	24,000	30,000	12,000	28,125	159,281	193,500	32,250	529,406
19:20-19:30	21,000	0,000	24,000	18,000	24,000	12,000	29,625	157,594	277,500	30,750	594,469
19:30-19:40	22,500	6,000	24,000	24,000	24,000	12,000	25,500	158,250	414,000	31,500	741,750
19:40-19:50	23,250	0,000	30,000	24,000	30,000	12,000	30,375	158,250	450,000	33,000	790,875
19:50-20:00	24,000	6,000	18,000	18,000	24,000	12,000	28,125	157,125	363,000	33,750	684,000
20:00-20:10	23,250	0,000	24,000	24,000	24,000	12,000	30,750	156,563	285,000	35,250	614,813
20:10-20:20	28,500	0,000	30,000	18,000	30,000	12,000	35,625	158,438	249,000	36,750	598,313
20:20-20:30	28,500	6,000	24,000	24,000	24,000	12,000	33,375	156,281	237,000	38,250	583,406
20:30-20:40	28,500	0,000	24,000	18,000	24,000	12,000	30,750	155,906	228,000	39,750	560,906
20:40-20:50	27,750	6,000	30,000	24,000	30,000	18,000	31,125	155,719	228,000	41,250	591,844
20:50-21:00	28,500	0,000	24,000	24,000	24,000	12,000	33,375	157,875	222,000	43,500	569,250
21:00-21:10	30,000	6,000	30,000	24,000	30,000	12,000	31,875	154,969	228,000	43,500	590,344
21:10-21:20	26,250	0,000	24,000	18,000	24,000	12,000	30,000	155,344	334,500	43,500	667,594
21:20-21:30	24,750	6,000	24,000	24,000	24,000	6,000	28,500	156,188	420,000	43,500	756,938
21:30-21:40	27,000	0,000	24,000	18,000	96,000	12,000	27,750	154,594	433,500	43,500	836,344
21:40-21:50	27,000	0,000	24,000	24,000	66,000	18,000	33,000	155,813	376,500	42,000	766,313
21:50-22:00	24,000	6,000	24,000	24,000	30,000	12,000	27,000	155,719	283,500	44,250	630,469
22:00-22:10	23,250	0,000	18,000	18,000	132,000	12,000	29,250	154,219	238,500	43,500	668,719
22:10-22:20	24,000	0,000	24,000	18,000	30,000	12,000	31,875	154,406	228,000	42,000	564,281
22:20-22:30	23,250	6,000	18,000	24,000	138,000	12,000	30,750	153,844	213,000	42,750	661,594
22:30-22:40	21,750	0,000	24,000	24,000	24,000	12,000	27,750	156,094	210,000	42,750	542,344
22:40-22:50	21,000	0,000	24,000	18,000	114,000	12,000	25,875	153,563	201,000	40,500	609,938
22:50-23:00	21,000	6,000	18,000	24,000	48,000	12,000	24,000	153,563	198,000	40,500	545,063
23:00-23:10	21,750	0,000	24,000	18,000	48,000	6,000	24,750	155,719	256,500	39,000	593,719
23:10-23:20	19,500	0,000	18,000	24,000	120,000	12,000	21,000	153,000	379,500	36,750	783,750
23:20-23:30	16,500	6,000	12,000	18,000	24,000	6,000	18,375	153,469	469,500	35,250	759,094
23:30-23:40	15,000	0,000	18,000	24,000	138,000	6,000	17,250	152,625	504,000	35,250	910,125
23:40-23:50	15,750	0,000	12,000	18,000	24,000	6,000	16,875	155,250	795,000	33,000	1075,875
23:50-00:00	15,000	6,000	12,000	24,000	126,000	6,000	17,250	151,875	1056,000	32,250	1446,375

Caudal Médio Diário = 1022,012 m3/h

11.02.2008

P.Entrega	A.Marq	S.Miguel	V.Maior	Olival	Cabeço	Argonç	Mozelos	R_S.Vic	R_Ramil	R_Mozelos	Sum
Hora	Caudal (m3/h)										
00:00-00:10	11,688	0,000	15,584	23,377	23,377	7,792	16,071	152,192	1203,896	30,195	1484,172
00:10-00:20	10,500	0,000	6,000	18,000	24,000	6,000	13,875	152,344	1246,500	29,250	1506,469
00:20-00:30	7,500	0,000	12,000	18,000	138,000	6,000	11,250	150,188	1243,500	25,500	1611,938
00:30-00:40	5,250	6,000	12,000	24,000	24,000	0,000	12,750	144,375	1272,000	24,000	1524,375
00:40-00:50	10,500	0,000	12,000	18,000	138,000	6,000	9,750	142,594	1243,500	23,250	1603,594
00:50-01:00	9,000	6,000	12,000	18,000	18,000	6,000	12,000	140,906	1258,500	21,000	1501,406
01:00-01:10	5,250	42,000	6,000	18,000	96,000	6,000	10,500	141,094	1221,000	21,750	1567,594
01:10-01:20	0,750	36,000	12,000	18,000	66,000	0,000	9,750	144,563	1204,500	20,250	1511,813
01:20-01:30	5,250	36,000	6,000	18,000	18,000	6,000	7,875	144,281	1128,000	18,000	1387,406
01:30-01:40	10,500	36,000	12,000	18,000	24,000	0,000	7,125	146,531	1023,000	18,750	1295,906
01:40-01:50	6,750	36,000	6,000	18,000	18,000	6,000	7,500	148,125	937,500	16,500	1200,375
01:50-02:00	6,750	36,000	6,000	18,000	24,000	0,000	7,875	151,969	874,500	16,500	1141,594
02:00-02:10	3,000	42,000	12,000	12,000	24,000	6,000	6,375	150,469	870,000	15,750	1141,594
02:10-02:20	1,500	30,000	6,000	18,000	18,000	0,000	6,000	151,031	882,000	15,750	1128,281
02:20-02:30	0,000	42,000	6,000	12,000	24,000	6,000	5,625	151,500	894,000	17,250	1158,375
02:30-02:40	0,000	36,000	6,000	12,000	18,000	0,000	4,875	154,406	891,000	16,500	1138,781
02:40-02:50	0,000	6,000	6,000	12,000	24,000	6,000	5,250	152,156	907,500	16,500	1135,406
02:50-03:00	0,000	0,000	12,000	12,000	18,000	0,000	5,250	152,344	921,000	17,250	1137,844
03:00-03:10	0,000	0,000	6,000	12,000	18,000	0,000	4,875	153,750	937,500	15,750	1147,875
03:10-03:20	0,000	6,000	6,000	12,000	24,000	6,000	4,500	154,031	928,500	14,250	1155,281
03:20-03:30	0,000	0,000	6,000	18,000	18,000	0,000	5,250	153,000	873,000	15,000	1088,250
03:30-03:40	0,000	0,000	6,000	6,000	18,000	0,000	4,500	154,875	414,000	13,500	616,875
03:40-03:50	0,000	0,000	12,000	12,000	18,000	6,000	4,500	154,219	133,500	12,000	352,219
03:50-04:00	0,000	6,000	6,000	12,000	24,000	0,000	5,250	154,688	87,000	12,750	307,688
04:00-04:10	0,000	0,000	6,000	12,000	18,000	6,000	4,875	156,281	78,000	10,500	291,656
04:10-04:20	0,000	0,000	6,000	12,000	18,000	0,000	4,875	156,656	79,500	12,000	289,031
04:20-04:30	0,000	0,000	12,000	12,000	18,000	0,000	4,875	155,531	88,500	11,250	302,156
04:30-04:40	0,000	6,000	6,000	12,000	18,000	6,000	4,875	156,000	135,000	12,000	355,875
04:40-04:50	0,000	0,000	6,000	12,000	18,000	0,000	5,250	158,719	168,000	12,000	379,969
04:50-05:00	0,000	0,000	12,000	12,000	18,000	6,000	4,875	156,281	430,500	12,000	651,656
05:00-05:10	0,000	0,000	6,000	6,000	18,000	0,000	4,875	156,188	684,000	12,750	887,813
05:10-05:20	0,000	0,000	6,000	12,000	18,000	6,000	6,000	157,688	772,500	14,250	992,438
05:20-05:30	0,000	6,000	12,000	12,000	18,000	0,000	5,625	156,281	847,500	12,750	1070,156
05:30-05:40	0,000	0,000	6,000	12,000	12,000	6,000	6,375	157,500	936,000	13,500	1149,375
05:40-05:50	2,250	0,000	12,000	6,000	18,000	0,000	6,750	157,500	889,500	12,750	1104,750
05:50-06:00	3,000	0,000	6,000	12,000	18,000	6,000	6,375	156,375	810,000	12,000	1029,750
06:00-06:10	3,000	6,000	12,000	12,000	18,000	6,000	6,375	157,688	702,000	11,250	934,313
06:10-06:20	12,750	0,000	12,000	12,000	18,000	0,000	10,500	155,250	492,000	11,250	723,750
06:20-06:30	13,500	0,000	12,000	6,000	12,000	6,000	11,625	159,375	285,000	10,500	516,000
06:30-06:40	14,250	6,000	18,000	12,000	18,000	6,000	10,875	156,844	186,000	10,500	438,469
06:40-06:50	15,000	0,000	12,000	12,000	18,000	6,000	14,625	156,844	147,000	10,500	391,969
06:50-07:00	21,000	0,000	24,000	6,000	18,000	12,000	17,625	159,469	147,000	11,250	416,344
07:00-07:10	23,250	6,000	18,000	12,000	12,000	6,000	23,250	157,219	223,500	12,000	493,219
07:10-07:20	30,750	0,000	24,000	12,000	18,000	12,000	27,375	157,125	295,500	12,000	588,750
07:20-07:30	32,250	0,000	24,000	6,000	18,000	18,000	34,125	158,813	315,000	14,250	620,438
07:30-07:40	31,500	6,000	30,000	12,000	18,000	12,000	35,625	157,406	535,500	18,000	856,031
07:40-07:50	31,500	0,000	30,000	12,000	18,000	18,000	36,750	158,625	1011,000	21,000	1336,875
07:50-08:00	33,750	6,000	24,000	6,000	126,000	12,000	30,750	158,063	1159,500	25,500	1581,563

08:00-08:10	36,000	0,000	24,000	12,000	18,000	12,000	33,375	156,750	1213,500	30,000	1535,625
08:10-08:20	33,750	6,000	24,000	6,000	138,000	18,000	36,000	157,969	1174,500	30,750	1624,969
08:20-08:30	30,000	0,000	30,000	12,000	12,000	18,000	32,625	156,750	873,000	33,750	1198,125
08:30-08:40	31,500	0,000	24,000	12,000	84,000	12,000	28,125	158,531	340,500	36,000	726,656
08:40-08:50	29,250	6,000	24,000	6,000	60,000	18,000	27,375	157,688	279,000	40,500	647,813
08:50-09:00	31,500	0,000	30,000	12,000	18,000	12,000	27,375	160,500	283,500	42,750	617,625
09:00-09:10	25,500	6,000	24,000	12,000	126,000	12,000	28,875	156,656	331,500	44,250	766,781
09:10-09:20	30,000	0,000	24,000	12,000	18,000	12,000	24,375	159,469	636,000	44,250	960,094
09:20-09:30	27,750	0,000	18,000	6,000	120,000	12,000	24,750	157,313	954,000	42,000	1361,813
09:30-09:40	28,500	6,000	30,000	12,000	18,000	12,000	22,875	158,063	579,000	43,500	909,938
09:40-09:50	27,750	0,000	24,000	12,000	126,000	12,000	24,750	157,125	340,500	42,750	766,875
09:50-10:00	27,750	0,000	30,000	12,000	18,000	18,000	22,500	157,875	276,000	42,750	604,875
10:00-10:10	27,750	6,000	24,000	12,000	78,000	12,000	17,625	157,969	256,500	42,750	634,594
10:10-10:20	27,750	0,000	30,000	12,000	72,000	18,000	21,375	156,656	249,000	42,750	629,531
10:20-10:30	30,000	6,000	24,000	18,000	12,000	12,000	27,000	156,281	249,000	41,250	575,531
10:30-10:40	33,750	0,000	18,000	12,000	132,000	12,000	27,000	159,000	289,500	41,250	724,500
10:40-10:50	31,500	0,000	24,000	12,000	18,000	12,000	24,750	156,469	342,000	40,500	661,219
10:50-11:00	34,500	6,000	24,000	18,000	126,000	12,000	21,375	155,531	367,500	39,750	804,656
11:00-11:10	30,750	0,000	24,000	12,000	18,000	12,000	23,625	157,313	385,500	39,750	702,938
11:10-11:20	31,500	0,000	18,000	18,000	114,000	12,000	23,625	155,250	357,000	40,500	769,875
11:20-11:30	28,500	6,000	24,000	12,000	30,000	12,000	24,750	156,563	346,500	40,500	680,813
11:30-11:40	31,500	0,000	24,000	12,000	18,000	18,000	23,625	154,500	357,000	41,250	679,875
11:40-11:50	36,000	6,000	24,000	18,000	132,000	18,000	30,000	156,000	687,000	41,250	1148,250
11:50-12:00	31,500	0,000	30,000	18,000	18,000	12,000	29,625	151,688	1033,500	42,000	1366,313
12:00-12:10	34,500	0,000	24,000	12,000	132,000	12,000	28,125	153,844	1123,500	41,250	1561,219
12:10-12:20	36,750	6,000	24,000	18,000	12,000	18,000	29,250	153,094	1186,500	42,000	1525,594
12:20-12:30	32,250	0,000	30,000	18,000	102,000	12,000	30,375	155,063	1195,500	42,000	1617,188
12:30-12:40	34,500	0,000	18,000	12,000	48,000	12,000	26,625	151,500	1225,500	40,500	1568,625
12:40-12:50	32,250	6,000	24,000	18,000	12,000	18,000	25,500	153,750	1261,500	40,500	1591,500
12:50-13:00	30,750	0,000	18,000	18,000	132,000	12,000	27,750	153,563	1243,500	39,000	1674,563
13:00-13:10	27,750	0,000	24,000	18,000	18,000	18,000	26,625	152,344	1276,500	38,250	1599,469
13:10-13:20	32,250	6,000	24,000	18,000	126,000	12,000	25,125	153,000	1264,500	38,250	1699,125
13:20-13:30	30,000	0,000	24,000	18,000	18,000	12,000	26,625	152,063	1294,500	39,750	1614,938
13:30-13:40	30,750	0,000	24,000	18,000	96,000	18,000	26,625	152,906	1275,000	39,000	1680,281
13:40-13:50	29,250	6,000	24,000	18,000	54,000	12,000	30,000	151,875	1278,000	40,500	1643,625
13:50-14:00	28,500	0,000	24,000	18,000	12,000	12,000	28,500	153,563	1222,500	41,250	1540,313
14:00-14:10	30,000	0,000	18,000	18,000	132,000	6,000	22,125	154,125	1077,000	42,000	1499,250
14:10-14:20	25,500	6,000	24,000	18,000	12,000	12,000	25,125	153,188	1047,000	41,250	1364,063
14:20-14:30	24,750	0,000	24,000	18,000	18,000	12,000	39,750	153,188	1038,000	42,000	1369,688
14:30-14:40	26,250	6,000	18,000	18,000	18,000	6,000	19,500	155,719	1026,000	42,000	1335,469
14:40-14:50	27,750	0,000	24,000	24,000	12,000	12,000	17,250	154,969	1014,000	40,500	1326,469
14:50-15:00	26,250	0,000	30,000	18,000	18,000	6,000	15,750	153,750	1003,500	40,500	1311,750
15:00-15:10	24,750	18,000	54,000	24,000	18,000	6,000	20,250	152,250	961,500	41,250	1320,000
15:10-15:20	24,000	36,000	54,000	18,000	12,000	12,000	20,625	149,344	945,000	43,500	1314,469
15:20-15:30	27,750	36,000	66,000	18,000	18,000	12,000	18,375	151,875	966,000	55,500	1369,500
15:30-15:40	26,250	42,000	102,000	18,000	18,000	6,000	19,875	145,219	940,500	58,500	1376,344
15:40-15:50	25,500	36,000	30,000	24,000	12,000	6,000	19,875	156,188	820,500	55,500	1185,563
15:50-16:00	23,250	36,000	30,000	18,000	18,000	12,000	17,250	155,813	684,000	52,500	1046,813
16:00-16:10	25,500	42,000	54,000	18,000	18,000	12,000	16,125	155,063	720,000	48,000	1108,688
16:10-16:20	27,000	36,000	30,000	24,000	18,000	18,000	16,500	156,750	754,500	43,500	1124,250
16:20-16:30	26,250	42,000	24,000	18,000	12,000	12,000	17,625	158,250	789,000	42,000	1141,125
16:30-16:40	25,500	36,000	24,000	24,000	18,000	18,000	17,250	158,344	943,500	40,500	1305,094
16:40-16:50	29,250	36,000	24,000	18,000	18,000	12,000	17,250	156,938	985,500	39,000	1335,938

16:50-17:00	30,000	24,000	24,000	24,000	12,000	6,000	18,375	158,531	942,000	37,500	1276,406
17:00-17:10	25,500	0,000	18,000	18,000	42,000	12,000	17,250	157,406	891,000	36,750	1217,906
17:10-17:20	30,750	6,000	24,000	18,000	96,000	12,000	25,125	158,906	706,500	36,750	1114,031
17:20-17:30	27,750	0,000	18,000	24,000	18,000	12,000	22,500	156,469	691,500	35,250	1005,469
17:30-17:40	27,000	0,000	24,000	18,000	126,000	12,000	22,125	160,219	766,500	33,750	1189,594
17:40-17:50	26,250	6,000	18,000	24,000	18,000	12,000	26,250	157,875	906,000	36,000	1230,375
17:50-18:00	29,250	0,000	24,000	18,000	126,000	12,000	28,875	156,938	972,000	33,750	1400,813
18:00-18:10	30,750	0,000	24,000	18,000	12,000	12,000	28,500	158,438	919,500	34,500	1237,688
18:10-18:20	27,750	6,000	24,000	24,000	126,000	18,000	26,625	158,625	769,500	36,000	1216,500
18:20-18:30	31,500	0,000	18,000	18,000	18,000	12,000	27,375	157,781	600,000	36,000	918,656
18:30-18:40	31,500	0,000	24,000	18,000	102,000	12,000	29,250	159,000	454,500	36,750	867,000
18:40-18:50	33,288	6,000	30,000	30,000	42,000	18,000	38,250	193,875	465,000	47,250	903,663
18:50-19:00	32,250	0,000	24,000	18,000	108,000	12,000	31,125	157,313	357,000	39,000	778,688
19:00-19:10	29,250	6,000	30,000	24,000	36,000	18,000	31,125	156,750	354,000	41,250	726,375
19:10-19:20	30,000	0,000	30,000	18,000	18,000	12,000	34,125	156,000	346,500	41,250	685,875
19:20-19:30	29,250	6,000	30,000	24,000	126,000	18,000	36,000	158,156	336,000	48,000	811,406
19:30-19:40	31,579	0,000	36,000	18,000	18,000	18,000	38,250	162,188	340,500	51,750	714,266
19:40-19:50	32,628	6,000	30,000	24,000	126,000	18,000	38,625	173,906	372,000	58,500	879,660
19:50-20:00	35,250	0,000	30,000	24,000	18,000	12,000	36,375	154,969	364,500	52,500	727,594
20:00-20:10	35,250	0,000	30,000	18,000	132,000	12,000	41,625	154,688	363,000	52,500	839,063
20:10-20:20	30,750	6,000	36,000	24,000	18,000	24,000	42,750	154,219	363,000	53,250	751,969
20:20-20:30	34,500	0,000	30,000	18,000	114,000	12,000	46,125	156,563	360,000	57,000	828,188
20:30-20:40	37,500	6,000	36,000	24,000	30,000	18,000	49,125	153,750	397,500	62,250	814,125
20:40-20:50	36,750	0,000	30,000	24,000	36,000	18,000	41,625	153,281	406,500	62,250	808,406
20:50-21:00	36,000	6,000	36,000	18,000	108,000	12,000	45,750	154,031	430,500	62,250	908,531
21:00-21:10	36,000	0,000	30,000	18,000	12,000	18,000	48,375	154,313	451,500	58,500	826,688
21:10-21:20	36,000	0,000	30,000	24,000	132,000	18,000	43,500	152,344	444,000	57,000	936,844
21:20-21:30	36,750	6,000	36,000	24,000	12,000	18,000	38,625	152,156	448,500	55,500	827,531
21:30-21:40	33,750	0,000	24,000	18,000	132,000	18,000	40,875	153,656	414,000	54,750	889,031
21:40-21:50	28,500	0,000	24,000	18,000	18,000	12,000	35,250	153,375	361,500	53,250	703,875
21:50-22:00	28,500	6,000	30,000	24,000	60,000	12,000	39,000	149,813	339,000	51,750	740,063
22:00-22:10	30,750	0,000	36,000	18,000	84,000	12,000	38,250	152,531	339,000	51,750	762,281
22:10-22:20	28,500	6,000	30,000	24,000	12,000	18,000	41,250	151,031	375,000	51,000	736,781
22:20-22:30	25,500	0,000	24,000	24,000	132,000	6,000	37,500	151,688	433,500	48,750	882,938
22:30-22:40	21,750	0,000	24,000	18,000	18,000	18,000	32,625	150,750	478,500	49,500	811,125
22:40-22:50	24,750	6,000	24,000	18,000	132,000	6,000	30,000	145,500	481,500	45,750	913,500
22:50-23:00	24,750	0,000	24,000	24,000	12,000	12,000	30,000	138,375	499,500	42,750	807,375
23:00-23:10	22,500	0,000	24,000	24,000	78,000	12,000	26,250	125,344	496,500	43,500	852,094
23:10-23:20	20,250	6,000	18,000	18,000	72,000	6,000	24,000	98,719	487,500	41,250	791,719
23:20-23:30	19,500	0,000	18,000	18,000	12,000	12,000	23,625	61,313	477,000	40,500	681,938
23:30-23:40	16,500	0,000	12,000	24,000	132,000	6,000	20,250	42,938	697,500	40,500	991,688
23:40-23:50	18,750	6,000	18,000	24,000	18,000	12,000	17,625	27,656	1032,000	37,500	1211,531
23:50-00:00	16,008	0,000	14,229	21,344	149,407	7,115	17,342	19,232	1127,668	35,573	1407,917

Caudal Médio Diário = 1028,64 m3/h

12.02.2008

P.Entrega	A.Marq	S.Miguel	V.Maior	Olival	Cabeço	Argonç	Mozelos	R_S.Vic	R_Ramil	R_Mozelos	Sum
Hora	Caudal (m3/h)										
00:00-00:10	12,000	0,000	18,000	18,000	12,000	6,000	14,625	33,469	1198,500	34,500	1347,094
00:10-00:20	9,750	0,000	12,000	24,000	18,000	0,000	12,750	82,688	1215,000	31,500	1405,688
00:20-00:30	12,750	6,000	12,000	18,000	18,000	6,000	13,500	117,469	1192,500	30,750	1426,969
00:30-00:40	12,750	0,000	12,000	24,000	12,000	6,000	12,375	126,844	1144,500	26,250	1376,719
00:40-00:50	12,000	0,000	6,000	18,000	18,000	6,000	11,250	137,344	1105,500	24,750	1338,844
00:50-01:00	11,250	0,000	12,000	24,000	18,000	6,000	11,625	146,156	1101,000	24,000	1354,031
01:00-01:10	4,500	6,000	6,000	18,000	12,000	0,000	9,375	149,906	1108,500	23,250	1337,531
01:10-01:20	2,250	0,000	12,000	18,000	18,000	6,000	7,875	153,000	1114,500	22,500	1354,125
01:20-01:30	9,000	0,000	6,000	18,000	12,000	6,000	7,500	155,063	1099,500	21,750	1334,813
01:30-01:40	9,000	0,000	6,000	24,000	18,000	0,000	7,875	155,156	1074,000	21,000	1315,031
01:40-01:50	6,000	6,000	12,000	18,000	18,000	6,000	8,250	156,563	1084,500	21,000	1336,313
01:50-02:00	3,750	0,000	6,000	18,000	18,000	6,000	7,875	159,750	1110,000	18,000	1347,375
02:00-02:10	0,000	0,000	6,000	18,000	12,000	0,000	6,375	157,500	1102,500	16,500	1318,875
02:10-02:20	0,000	0,000	6,000	18,000	18,000	0,000	5,625	157,969	1090,500	16,500	1312,594
02:20-02:30	0,000	6,000	12,000	12,000	12,000	6,000	5,625	160,875	1068,000	15,750	1298,250
02:30-02:40	0,000	0,000	6,000	18,000	18,000	0,000	5,250	157,219	1050,000	15,000	1269,469
02:40-02:50	0,000	0,000	6,000	12,000	12,000	6,000	5,625	160,031	1041,000	14,250	1256,906
02:50-03:00	0,000	0,000	6,000	18,000	18,000	0,000	4,875	159,000	1033,500	15,000	1254,375
03:00-03:10	0,000	6,000	6,000	12,000	18,000	6,000	4,875	160,500	1027,500	14,250	1255,125
03:10-03:20	0,000	0,000	6,000	12,000	18,000	0,000	4,875	159,281	1030,500	15,000	1245,656
03:20-03:30	0,000	0,000	12,000	12,000	12,000	6,000	4,875	161,063	1044,000	14,250	1266,188
03:30-03:40	0,000	0,000	6,000	12,000	18,000	0,000	4,500	161,531	1059,000	15,750	1276,781
03:40-03:50	0,000	6,000	6,000	12,000	12,000	6,000	4,875	160,594	1050,000	14,250	1271,719
03:50-04:00	0,000	0,000	6,000	12,000	18,000	0,000	4,875	161,156	963,000	14,250	1179,281
04:00-04:10	0,000	0,000	6,000	12,000	18,000	6,000	4,875	162,094	354,000	14,250	577,219
04:10-04:20	0,000	0,000	12,000	12,000	12,000	0,000	4,875	165,469	82,500	12,750	301,594
04:20-04:30	0,000	6,000	6,000	18,000	18,000	0,000	4,875	163,031	55,500	12,750	284,156
04:30-04:40	0,000	0,000	6,000	12,000	18,000	6,000	4,875	163,406	54,000	12,000	276,281
04:40-04:50	0,000	0,000	6,000	12,000	18,000	0,000	4,875	165,094	99,000	10,500	315,469
04:50-05:00	0,000	0,000	6,000	6,000	12,000	6,000	4,875	165,375	166,500	11,250	378,000
05:00-05:10	0,000	6,000	6,000	12,000	18,000	0,000	6,375	164,250	189,000	11,250	412,875
05:10-05:20	0,000	0,000	12,000	12,000	18,000	6,000	6,375	165,844	207,000	12,000	439,219
05:20-05:30	0,000	0,000	6,000	12,000	12,000	0,000	7,500	164,344	274,500	12,000	488,344
05:30-05:40	0,000	0,000	12,000	12,000	18,000	6,000	6,375	164,250	654,000	12,000	884,625
05:40-05:50	0,750	6,000	6,000	12,000	18,000	0,000	6,750	166,969	1039,500	12,750	1268,719
05:50-06:00	8,250	0,000	12,000	12,000	18,000	6,000	6,750	164,156	1122,000	13,500	1362,656
06:00-06:10	9,000	18,000	6,000	6,000	12,000	6,000	7,500	163,688	1104,000	13,500	1345,688
06:10-06:20	15,000	36,000	12,000	12,000	18,000	0,000	14,250	163,594	1066,500	13,500	1350,844
06:20-06:30	15,750	42,000	18,000	12,000	18,000	6,000	13,875	165,844	1035,000	12,750	1339,219
06:30-06:40	15,750	36,000	12,000	12,000	12,000	6,000	15,000	163,031	1000,500	12,000	1284,281
06:40-06:50	17,250	36,000	18,000	6,000	18,000	6,000	16,125	162,844	939,000	12,000	1231,219
06:50-07:00	23,250	36,000	24,000	12,000	18,000	12,000	19,875	164,344	420,000	11,250	740,719
07:00-07:10	27,000	42,000	18,000	12,000	126,000	12,000	24,375	164,531	198,000	11,250	635,156
07:10-07:20	32,250	36,000	24,000	12,000	18,000	18,000	31,875	163,219	172,500	12,000	519,844
07:20-07:30	31,500	42,000	30,000	12,000	126,000	12,000	39,000	164,344	166,500	13,500	636,844
07:30-07:40	31,500	36,000	24,000	6,000	12,000	12,000	37,875	164,531	171,000	21,000	515,906
07:40-07:50	31,500	36,000	24,000	12,000	102,000	18,000	36,000	161,906	259,500	23,250	704,156
07:50-08:00	33,750	12,000	24,000	12,000	42,000	18,000	31,500	166,594	363,000	32,250	735,094

08:00-08:10	35,250	0,000	30,000	6,000	30,000	12,000	34,875	163,781	393,000	35,250	740,156
08:10-08:20	30,750	6,000	24,000	12,000	114,000	18,000	31,875	163,313	432,000	36,750	868,688
08:20-08:30	30,750	0,000	24,000	12,000	18,000	18,000	29,625	163,500	474,000	39,000	808,875
08:30-08:40	29,250	6,000	24,000	12,000	126,000	12,000	30,000	165,938	439,500	42,000	886,688
08:40-08:50	25,500	0,000	24,000	6,000	18,000	12,000	27,750	163,125	373,500	44,250	694,125
08:50-09:00	28,500	0,000	24,000	12,000	126,000	18,000	26,625	163,406	322,500	45,750	766,781
09:00-09:10	27,750	6,000	24,000	12,000	18,000	12,000	29,625	166,313	318,000	48,750	662,438
09:10-09:20	27,000	0,000	18,000	12,000	96,000	6,000	22,500	163,781	342,000	46,500	733,781
09:20-09:30	24,000	6,000	24,000	12,000	48,000	18,000	23,250	163,969	420,000	47,250	786,469
09:30-09:40	27,750	0,000	24,000	12,000	18,000	12,000	22,125	163,969	435,000	45,750	760,594
09:40-09:50	30,000	0,000	18,000	18,000	126,000	12,000	24,375	165,563	430,500	45,000	869,438
09:50-10:00	30,750	6,000	24,000	12,000	18,000	18,000	21,000	163,500	459,000	43,500	795,750
10:00-10:10	30,000	6,000	30,000	12,000	126,000	12,000	22,875	164,625	399,000	43,500	846,000
10:10-10:20	33,000	0,000	18,000	18,000	18,000	18,000	24,000	164,625	382,500	44,250	720,375
10:20-10:30	33,750	6,000	30,000	12,000	126,000	12,000	23,625	164,063	324,000	44,250	775,688
10:30-10:40	32,250	0,000	18,000	18,000	18,000	18,000	21,750	161,531	274,500	42,750	604,781
10:40-10:50	33,750	0,000	24,000	12,000	66,000	12,000	27,750	165,281	262,500	45,000	648,281
10:50-11:00	28,500	6,000	30,000	18,000	72,000	18,000	26,250	161,813	244,500	42,750	647,813
11:00-11:10	28,500	0,000	24,000	18,000	18,000	12,000	27,750	161,625	208,500	42,000	540,375
11:10-11:20	33,750	6,000	24,000	12,000	132,000	12,000	28,500	164,063	225,000	42,000	679,313
11:20-11:30	36,750	0,000	24,000	18,000	12,000	12,000	28,125	161,156	307,500	40,500	640,031
11:30-11:40	36,000	0,000	24,000	18,000	132,000	18,000	31,500	160,500	397,500	40,500	858,000
11:40-11:50	33,750	6,000	30,000	18,000	12,000	18,000	27,375	159,938	474,000	42,000	821,063
11:50-12:00	33,000	0,000	24,000	12,000	120,000	6,000	21,375	162,375	466,500	39,750	885,000
12:00-12:10	32,250	0,000	24,000	18,000	24,000	18,000	21,375	159,188	427,500	42,750	767,063
12:10-12:20	34,500	6,000	24,000	18,000	36,000	12,000	30,000	158,625	430,500	41,250	790,875
12:20-12:30	34,500	0,000	24,000	24,000	114,000	18,000	30,000	158,063	786,000	42,750	1231,313
12:30-12:40	33,000	0,000	18,000	12,000	12,000	12,000	26,625	159,094	1152,000	42,750	1467,469
12:40-12:50	33,750	6,000	30,000	24,000	132,000	24,000	24,750	152,156	1242,000	42,750	1711,406
12:50-13:00	28,500	0,000	30,000	18,000	18,000	12,000	24,375	145,688	1347,000	42,750	1666,313
13:00-13:10	30,750	6,000	24,000	24,000	114,000	12,000	26,625	122,344	1347,000	42,750	1749,469
13:10-13:20	33,750	0,000	36,000	18,000	30,000	12,000	28,500	76,969	1371,000	40,500	1646,719
13:20-13:30	36,000	0,000	30,000	18,000	36,000	12,000	27,375	49,219	1393,500	42,000	1644,094
13:30-13:40	35,250	6,000	24,000	24,000	114,000	18,000	27,000	26,625	1393,500	40,500	1708,875
13:40-13:50	28,500	0,000	30,000	18,000	12,000	12,000	24,375	13,500	1450,500	40,500	1629,375
13:50-14:00	31,500	6,000	24,000	18,000	132,000	12,000	27,000	8,250	1470,000	40,500	1769,250
14:00-14:10	29,250	0,000	30,000	24,000	18,000	6,000	24,375	6,188	1525,500	39,750	1703,063
14:10-14:20	29,250	0,000	24,000	18,000	12,000	12,000	25,125	5,344	1548,000	41,250	1714,969
14:20-14:30	24,000	6,000	24,000	24,000	18,000	12,000	20,625	5,063	1558,500	40,500	1732,688
14:30-14:40	27,750	0,000	18,000	18,000	18,000	12,000	22,500	12,938	1566,000	42,750	1737,938
14:40-14:50	27,000	0,000	24,000	18,000	12,000	12,000	18,375	62,719	1572,000	42,000	1788,094
14:50-15:00	27,750	6,000	18,000	24,000	18,000	12,000	18,375	106,219	1567,500	42,750	1840,594
15:00-15:10	29,250	0,000	18,000	18,000	12,000	12,000	19,875	121,313	1582,500	42,750	1855,688
15:10-15:20	32,250	6,000	24,000	24,000	18,000	12,000	23,625	136,219	1522,500	42,750	1841,344
15:20-15:30	25,500	0,000	12,000	18,000	18,000	6,000	21,750	150,281	744,000	42,000	1037,531
15:30-15:40	25,500	0,000	24,000	24,000	12,000	12,000	19,875	154,594	462,000	39,750	773,719
15:40-15:50	22,500	0,000	18,000	18,000	18,000	6,000	18,000	158,625	1107,000	40,500	1406,625
15:50-16:00	25,500	6,000	18,000	18,000	12,000	18,000	19,875	158,906	1303,500	39,750	1619,531
16:00-16:10	24,000	0,000	18,000	24,000	18,000	12,000	18,000	159,656	1272,000	38,250	1583,906
16:10-16:20	26,250	0,000	18,000	24,000	18,000	12,000	18,750	163,031	1039,500	38,250	1357,781
16:20-16:30	27,750	6,000	18,000	18,000	18,000	12,000	16,500	161,719	564,000	38,250	880,219
16:30-16:40	25,500	0,000	18,000	18,000	12,000	18,000	19,125	162,094	469,500	38,250	780,469

16:40-16:50	24,750	0,000	24,000	24,000	18,000	18,000	24,375	162,750	543,000	39,000	877,875
16:50-17:00	27,750	6,000	18,000	24,000	24,000	18,000	24,375	165,750	567,000	38,250	913,125
17:00-17:10	27,000	0,000	24,000	18,000	120,000	12,000	20,250	163,406	609,000	40,500	1034,156
17:10-17:20	25,500	6,000	18,000	18,000	18,000	12,000	25,500	163,219	903,000	38,250	1227,469
17:20-17:30	27,000	0,000	18,000	24,000	126,000	12,000	26,250	164,719	1122,000	39,000	1558,969
17:30-17:40	24,000	0,000	18,000	18,000	12,000	12,000	25,875	164,063	1038,000	39,750	1351,688
17:40-17:50	28,500	6,000	24,000	24,000	132,000	18,000	27,000	161,156	834,000	37,500	1292,156
17:50-18:00	27,750	0,000	24,000	18,000	12,000	18,000	29,250	165,094	693,000	38,250	1025,344
18:00-18:10	32,250	6,000	24,000	24,000	102,000	12,000	29,625	162,656	706,500	37,500	1136,531
18:10-18:20	33,750	0,000	24,000	18,000	48,000	18,000	26,625	163,969	738,000	36,750	1107,094
18:20-18:30	39,000	0,000	18,000	24,000	12,000	12,000	31,875	161,344	691,500	37,500	1027,219
18:30-18:40	37,500	6,000	30,000	18,000	126,000	18,000	36,375	164,625	487,500	37,500	961,500
18:40-18:50	31,500	0,000	30,000	24,000	18,000	18,000	37,125	162,188	292,500	37,500	650,813
18:50-19:00	39,750	6,000	30,000	18,000	132,000	12,000	37,500	161,438	229,500	40,500	706,688
19:00-19:10	36,000	0,000	30,000	24,000	12,000	18,000	40,125	164,344	219,000	45,750	589,219
19:10-19:20	37,500	30,000	30,000	18,000	132,000	18,000	44,250	160,969	210,000	50,250	730,969
19:20-19:30	37,500	36,000	36,000	24,000	12,000	18,000	43,875	160,125	210,000	56,250	633,750
19:30-19:40	34,500	36,000	30,000	18,000	42,000	12,000	45,000	159,563	270,000	55,500	702,563
19:40-19:50	36,000	36,000	30,000	24,000	108,000	18,000	42,750	160,219	406,500	56,250	917,719
19:50-20:00	37,500	42,000	30,000	18,000	12,000	12,000	40,500	158,813	486,000	54,000	890,813
20:00-20:10	43,500	36,000	36,000	24,000	132,000	18,000	48,750	154,219	481,500	54,750	1028,719
20:10-20:20	45,000	36,000	36,000	18,000	12,000	18,000	52,125	151,219	463,500	58,500	890,344
20:20-20:30	39,000	36,000	36,000	18,000	114,000	18,000	53,625	146,719	402,000	62,250	925,594
20:30-20:40	36,750	42,000	36,000	24,000	18,000	18,000	55,125	134,250	342,000	66,750	772,875
20:40-20:50	38,250	36,000	36,000	24,000	126,000	18,000	48,750	115,406	295,500	66,750	804,656
20:50-21:00	38,250	36,000	30,000	18,000	18,000	18,000	50,625	87,281	280,500	63,000	639,656
21:00-21:10	42,750	36,000	36,000	18,000	90,000	12,000	48,375	68,250	282,000	60,750	694,125
21:10-21:20	33,750	18,000	36,000	24,000	60,000	18,000	42,375	59,906	342,000	58,500	692,531
21:20-21:30	36,750	6,000	36,000	24,000	12,000	18,000	46,500	80,156	399,000	58,500	716,906
21:30-21:40	35,250	0,000	30,000	18,000	126,000	24,000	46,500	113,156	420,000	57,000	869,906
21:40-21:50	32,250	0,000	30,000	18,000	18,000	18,000	43,500	132,000	433,500	55,500	780,750
21:50-22:00	30,000	6,000	24,000	24,000	126,000	12,000	41,250	144,375	439,500	55,500	902,625
22:00-22:10	33,750	0,000	30,000	18,000	18,000	18,000	38,250	148,688	450,000	53,250	807,938
22:10-22:20	36,000	6,000	24,000	24,000	126,000	12,000	46,125	151,406	465,000	51,000	941,531
22:20-22:30	30,750	0,000	24,000	18,000	18,000	12,000	38,250	155,344	757,500	49,500	1103,344
22:30-22:40	27,750	0,000	24,000	24,000	36,000	18,000	38,625	151,969	1077,000	45,750	1443,094
22:40-22:50	26,250	6,000	24,000	18,000	114,000	12,000	41,250	154,875	1207,500	40,500	1644,375
22:50-23:00	22,500	0,000	24,000	24,000	18,000	12,000	34,125	154,219	1300,500	41,250	1630,594
23:00-23:10	21,000	6,000	18,000	18,000	132,000	6,000	30,750	156,375	1336,500	39,000	1763,625
23:10-23:20	21,000	0,000	18,000	24,000	18,000	12,000	29,250	157,781	1428,000	39,000	1747,031
23:20-23:30	18,750	0,000	18,000	18,000	102,000	6,000	24,000	156,563	1455,000	39,750	1838,063
23:30-23:40	21,750	6,000	12,000	18,000	42,000	12,000	19,125	158,531	1521,000	38,250	1848,656
23:40-23:50	19,500	0,000	18,000	24,000	18,000	6,000	21,000	157,781	1518,000	36,750	1819,031
23:50-00:00	15,517	0,000	13,793	20,690	151,724	6,897	20,690	158,297	1501,152	36,276	1925,036

Caudal Médio Diário = 1087,16 m3/h

13.02.2008

P.Entrega	A.Marq	S.Miguel	V.Maior	Olival	Cabeço	Argonç	Mozelos	R_S.Vic	R_Ramil	R_Mozelos	Sum
Hora	Caudal (m3/h)										
00:00-00:10	16,500	6,000	18,000	18,000	18,000	6,000	18,000	158,250	1548,000	35,250	1842,000
00:10-00:20	18,000	0,000	12,000	18,000	132,000	6,000	15,750	159,844	1509,000	35,250	1905,844
00:20-00:30	15,000	0,000	18,000	24,000	18,000	6,000	16,500	158,719	1551,000	33,000	1840,219
00:30-00:40	13,500	0,000	12,000	18,000	12,000	6,000	15,375	160,594	1560,000	30,000	1827,469
00:40-00:50	12,750	6,000	12,000	24,000	18,000	6,000	13,500	161,344	1315,500	27,000	1596,094
00:50-01:00	11,250	0,000	12,000	18,000	18,000	6,000	12,750	161,719	9,000	26,250	274,969
01:00-01:10	3,750	0,000	6,000	18,000	12,000	0,000	11,625	163,031	786,000	25,500	1025,906
01:10-01:20	1,500	6,000	12,000	24,000	18,000	6,000	9,750	160,500	1219,500	21,750	1479,000
01:20-01:30	7,500	0,000	12,000	18,000	18,000	0,000	9,750	164,906	1302,000	20,250	1552,406
01:30-01:40	11,250	0,000	6,000	24,000	12,000	6,000	10,125	162,469	1294,500	20,250	1546,594
01:40-01:50	10,500	0,000	6,000	18,000	18,000	6,000	11,250	162,844	1209,000	18,000	1459,594
01:50-02:00	9,000	6,000	12,000	18,000	18,000	0,000	9,375	165,750	1149,000	18,750	1405,875
02:00-02:10	6,000	0,000	6,000	18,000	12,000	6,000	8,625	163,031	1131,000	18,750	1369,406
02:10-02:20	0,000	0,000	12,000	18,000	18,000	0,000	8,250	163,031	1111,500	18,750	1349,531
02:20-02:30	0,750	0,000	6,000	18,000	18,000	6,000	7,500	164,250	1122,000	18,000	1360,500
02:30-02:40	0,000	6,000	6,000	18,000	12,000	0,000	6,375	164,250	1150,500	18,000	1381,125
02:40-02:50	0,000	0,000	12,000	18,000	18,000	0,000	7,125	161,719	1000,500	16,500	1233,844
02:50-03:00	0,000	0,000	6,000	18,000	18,000	6,000	7,125	166,594	273,000	15,750	510,469
03:00-03:10	0,000	6,000	6,000	12,000	12,000	0,000	7,500	164,250	24,000	14,250	246,000
03:10-03:20	0,000	0,000	12,000	18,000	18,000	6,000	6,750	164,625	15,000	13,500	253,875
03:20-03:30	0,000	0,000	6,000	18,000	18,000	0,000	7,125	166,125	42,000	14,250	271,500
03:30-03:40	0,000	0,000	12,000	12,000	12,000	6,000	7,125	166,406	142,500	13,500	371,531
03:40-03:50	0,000	6,000	6,000	12,000	18,000	0,000	7,125	165,281	175,500	13,500	403,406
03:50-04:00	0,000	0,000	6,000	12,000	18,000	6,000	7,125	165,469	190,500	14,250	419,344
04:00-04:10	0,000	0,000	12,000	18,000	18,000	0,000	6,750	168,469	198,000	15,000	436,219
04:10-04:20	0,000	0,000	6,000	12,000	12,000	0,000	7,500	165,844	201,000	15,750	420,094
04:20-04:30	0,000	6,000	6,000	12,000	18,000	6,000	6,750	165,844	199,500	15,000	435,094
04:30-04:40	0,000	0,000	12,000	12,000	18,000	0,000	6,750	165,750	198,000	15,000	427,500
04:40-04:50	0,000	0,000	6,000	12,000	18,000	6,000	6,750	168,375	199,500	15,750	432,375
04:50-05:00	0,000	6,000	6,000	12,000	12,000	0,000	6,750	165,281	198,000	12,750	418,781
05:00-05:10	0,000	0,000	12,000	12,000	18,000	6,000	7,500	164,906	198,000	12,000	430,406
05:10-05:20	0,000	0,000	6,000	12,000	18,000	0,000	7,500	165,938	189,000	9,750	408,188
05:20-05:30	0,000	0,000	12,000	12,000	18,000	6,000	8,625	165,469	369,000	6,750	597,844
05:30-05:40	0,000	6,000	6,000	12,000	12,000	0,000	8,250	163,313	814,500	6,000	1028,063
05:40-05:50	0,000	0,000	12,000	12,000	18,000	6,000	9,375	163,594	1077,000	6,000	1303,969
05:50-06:00	6,750	0,000	12,000	12,000	18,000	6,000	8,250	160,781	1068,000	6,000	1297,781
06:00-06:10	8,250	6,000	6,000	12,000	12,000	0,000	9,375	156,844	1018,500	8,250	1237,219
06:10-06:20	15,000	0,000	12,000	6,000	18,000	6,000	15,375	153,563	1015,500	10,500	1251,938
06:20-06:30	16,500	0,000	18,000	12,000	18,000	6,000	16,125	141,750	1048,500	11,250	1288,125
06:30-06:40	15,000	0,000	12,000	12,000	18,000	6,000	15,750	118,688	1066,500	11,250	1275,188
06:40-06:50	18,750	6,000	18,000	12,000	12,000	6,000	20,625	89,344	1047,000	12,000	1241,719
06:50-07:00	24,000	0,000	24,000	12,000	18,000	12,000	22,500	68,250	1020,000	13,500	1214,250
07:00-07:10	24,750	6,000	24,000	6,000	126,000	12,000	28,500	52,781	916,500	15,000	1211,531
07:10-07:20	29,250	0,000	30,000	12,000	18,000	12,000	34,500	37,688	378,000	15,750	567,188
07:20-07:30	31,500	6,000	24,000	12,000	126,000	18,000	39,750	26,063	144,000	18,000	445,313
07:30-07:40	32,250	0,000	30,000	12,000	18,000	12,000	37,125	18,938	111,000	18,750	290,063
07:40-07:50	33,750	6,000	30,000	6,000	126,000	18,000	38,250	13,031	102,000	24,000	397,031
07:50-08:00	35,250	0,000	30,000	12,000	18,000	18,000	35,625	9,750	91,500	33,000	283,125
08:00-08:10	36,000	0,000	24,000	12,000	42,000	12,000	36,000	8,156	160,500	33,000	363,656
08:10-08:20	29,250	6,000	24,000	12,000	96,000	18,000	36,750	7,500	268,500	36,750	534,750
08:20-08:30	33,000	0,000	30,000	12,000	18,000	18,000	33,750	24,094	295,500	42,000	506,344

08:30-08:40	36,000	6,000	24,000	12,000	126,000	18,000	34,500	76,031	339,000	45,750	717,281
08:40-08:50	32,250	0,000	30,000	12,000	18,000	12,000	49,500	120,000	382,500	50,250	706,500
08:50-09:00	28,500	6,000	18,000	12,000	126,000	18,000	28,875	136,594	367,500	51,000	792,469
09:00-09:10	30,750	0,000	30,000	12,000	18,000	12,000	24,375	152,156	294,000	52,500	625,781
09:10-09:20	30,750	0,000	24,000	18,000	126,000	12,000	27,375	155,625	472,500	51,750	918,000
09:20-09:30	31,500	6,000	24,000	12,000	18,000	18,000	26,625	156,375	1005,000	50,250	1347,750
09:30-09:40	30,750	6,000	24,000	12,000	36,000	6,000	23,250	158,156	1177,500	48,000	1521,656
09:40-09:50	31,500	0,000	24,000	18,000	108,000	12,000	24,000	161,531	1158,000	45,750	1582,781
09:50-10:00	36,000	6,000	24,000	18,000	18,000	18,000	24,375	159,281	741,000	45,000	1089,656
10:00-10:10	33,750	0,000	18,000	18,000	126,000	12,000	30,375	156,563	309,000	45,000	748,688
10:10-10:20	39,750	6,000	24,000	18,000	18,000	18,000	25,875	153,563	300,000	44,250	647,438
10:20-10:30	34,500	0,000	24,000	18,000	132,000	12,000	24,000	149,625	346,500	42,000	782,625
10:30-10:40	30,750	0,000	24,000	24,000	12,000	12,000	22,875	134,531	373,500	44,250	677,906
10:40-10:50	30,750	6,000	24,000	18,000	96,000	12,000	26,250	114,844	330,000	40,500	698,344
10:50-11:00	35,250	0,000	18,000	18,000	48,000	12,000	31,500	89,906	286,500	41,250	580,406
11:00-11:10	35,250	0,000	24,000	24,000	18,000	18,000	30,375	70,313	270,000	42,000	531,938
11:10-11:20	33,750	6,000	18,000	24,000	132,000	18,000	30,000	55,875	268,500	40,500	626,625
11:20-11:30	34,500	0,000	18,000	18,000	12,000	12,000	30,000	42,000	279,000	41,250	486,750
11:30-11:40	32,250	0,000	24,000	18,000	126,000	12,000	28,500	30,844	292,500	41,250	605,344
11:40-11:50	37,500	42,000	24,000	24,000	18,000	18,000	27,000	22,688	301,500	40,500	555,188
11:50-12:00	35,250	36,000	24,000	24,000	114,000	18,000	27,375	16,219	327,000	40,500	662,344
12:00-12:10	39,000	42,000	30,000	18,000	36,000	12,000	24,000	12,563	408,000	40,500	662,063
12:10-12:20	37,016	36,000	24,000	24,000	30,000	12,000	33,750	12,281	448,500	40,500	698,047
12:20-12:30	32,093	42,000	24,000	24,000	114,000	18,000	32,250	12,469	481,500	44,250	824,562
12:30-12:40	29,250	36,000	24,000	18,000	18,000	12,000	26,250	11,719	564,000	40,500	779,719
12:40-12:50	26,250	42,000	18,000	24,000	126,000	18,000	27,750	11,250	949,500	41,250	1284,000
12:50-13:00	27,000	36,000	24,000	18,000	18,000	12,000	30,375	11,438	1239,000	40,500	1456,313
13:00-13:10	31,500	36,000	24,000	24,000	132,000	12,000	29,250	13,594	1308,000	42,750	1653,094
13:10-13:20	33,000	36,000	24,000	18,000	12,000	12,000	30,375	51,000	1387,500	42,000	1645,875
13:20-13:30	30,750	42,000	18,000	24,000	90,000	18,000	24,750	98,438	1407,000	42,000	1794,938
13:30-13:40	31,500	30,000	24,000	18,000	60,000	12,000	24,375	119,625	1419,000	42,750	1781,250
13:40-13:50	29,250	0,000	30,000	24,000	18,000	12,000	23,625	129,656	1414,500	42,750	1723,781
13:50-14:00	30,750	0,000	24,000	18,000	12,000	12,000	24,750	140,344	1390,500	42,000	1694,344
14:00-14:10	33,000	6,000	18,000	24,000	18,000	12,000	27,375	149,531	1345,500	42,000	1675,406
14:10-14:20	29,250	0,000	24,000	18,000	12,000	12,000	26,625	150,656	1293,000	42,750	1608,281
14:20-14:30	30,000	0,000	24,000	24,000	18,000	12,000	27,375	152,719	1258,500	40,500	1587,094
14:30-14:40	27,750	6,000	24,000	24,000	18,000	12,000	28,125	156,938	1245,000	42,000	1583,813
14:40-14:50	25,500	0,000	18,000	18,000	12,000	12,000	26,250	159,375	1245,000	41,250	1557,375
14:50-15:00	21,750	6,000	18,000	18,000	18,000	6,000	22,125	157,969	1198,500	41,250	1507,594
15:00-15:10	24,000	0,000	24,000	24,000	18,000	12,000	25,125	162,844	1144,500	45,000	1479,469
15:10-15:20	26,250	0,000	18,000	24,000	12,000	12,000	22,875	160,781	1083,000	49,500	1408,406
15:20-15:30	25,500	6,000	18,000	18,000	18,000	12,000	20,625	161,438	945,000	50,250	1274,813
15:30-15:40	23,250	0,000	24,000	24,000	18,000	12,000	20,250	164,344	747,000	51,000	1083,844
15:40-15:50	25,500	0,000	18,000	18,000	12,000	12,000	25,875	161,719	703,500	48,750	1025,344
15:50-16:00	24,750	6,000	24,000	24,000	18,000	12,000	24,750	161,625	795,000	48,000	1138,125
16:00-16:10	25,500	0,000	18,000	18,000	18,000	6,000	18,750	162,188	975,000	45,750	1287,188
16:10-16:20	11,250	0,000	18,000	24,000	36,000	12,000	18,750	164,906	1000,500	44,250	1329,656
16:20-16:30	0,000	0,000	24,000	24,000	102,000	6,000	18,375	162,000	990,000	42,750	1369,125
16:30-16:40	0,000	6,000	24,000	18,000	18,000	12,000	19,500	161,719	933,000	41,250	1233,469
16:40-16:50	0,000	0,000	18,000	18,000	126,000	6,000	18,750	163,313	804,000	40,500	1194,563
16:50-17:00	117,000	6,000	18,000	24,000	18,000	12,000	22,125	162,656	781,500	40,500	1201,781
17:00-17:10	24,750	0,000	24,000	24,000	132,000	12,000	21,000	163,500	871,500	39,750	1312,500
17:10-17:20	24,750	0,000	18,000	18,000	12,000	6,000	22,125	162,281	975,000	39,750	1277,906
17:20-17:30	25,500	6,000	18,000	24,000	114,000	12,000	22,125	163,781	927,000	42,000	1354,406
17:30-17:40	24,750	0,000	18,000	18,000	30,000	12,000	22,125	163,969	702,000	40,500	1031,344

17:40-17:50	27,000	0,000	24,000	24,000	48,000	12,000	25,875	162,656	528,000	41,250	892,781
17:50-18:00	30,000	6,000	24,000	18,000	96,000	12,000	29,250	162,563	552,000	41,250	971,063
18:00-18:10	30,750	0,000	24,000	24,000	12,000	12,000	31,125	165,375	562,500	42,750	904,500
18:10-18:20	35,250	0,000	24,000	18,000	132,000	12,000	30,750	162,844	550,500	42,000	1007,344
18:20-18:30	33,750	6,000	24,000	24,000	12,000	12,000	31,875	162,656	489,000	41,250	836,531
18:30-18:40	35,250	0,000	24,000	18,000	126,000	12,000	37,125	163,875	375,000	42,750	834,000
18:40-18:50	37,500	6,000	30,000	24,000	18,000	18,000	37,875	163,031	345,000	45,000	724,406
18:50-19:00	33,750	0,000	24,000	18,000	126,000	18,000	38,250	164,250	331,500	45,750	799,500
19:00-19:10	33,750	0,000	30,000	24,000	18,000	12,000	41,250	162,469	331,500	53,250	706,219
19:10-19:20	38,250	6,000	30,000	18,000	30,000	18,000	42,000	164,813	331,500	56,250	734,813
19:20-19:30	30,750	6,000	30,000	24,000	114,000	18,000	42,750	161,156	334,500	60,750	821,906
19:30-19:40	33,750	0,000	36,000	24,000	18,000	12,000	43,500	161,063	334,500	63,750	726,563
19:40-19:50	35,250	0,000	30,000	18,000	126,000	12,000	39,375	161,156	372,000	62,250	856,031
19:50-20:00	34,500	6,000	30,000	24,000	18,000	18,000	41,625	161,813	409,500	59,250	802,688
20:00-20:10	39,000	0,000	36,000	18,000	132,000	12,000	50,625	159,469	406,500	58,500	912,094
20:10-20:20	41,250	6,000	42,000	24,000	12,000	18,000	45,750	161,625	418,500	58,500	827,625
20:20-20:30	36,750	0,000	36,000	18,000	78,000	24,000	50,625	158,813	415,500	63,000	880,688
20:30-20:40	38,250	6,000	36,000	24,000	72,000	18,000	47,250	158,250	406,500	63,750	870,000
20:40-20:50	35,250	0,000	30,000	18,000	12,000	18,000	46,875	157,594	391,500	63,750	772,969
20:50-21:00	33,000	6,000	36,000	24,000	132,000	18,000	45,000	158,156	390,000	63,000	905,156
21:00-21:10	36,000	6,000	30,000	18,000	12,000	12,000	42,000	157,125	403,500	63,000	779,625
21:10-21:20	34,500	0,000	30,000	24,000	132,000	18,000	42,375	154,875	396,000	59,250	891,000
21:20-21:30	36,000	6,000	30,000	18,000	18,000	18,000	43,875	158,625	603,000	57,750	989,250
21:30-21:40	36,000	0,000	30,000	24,000	60,000	12,000	42,375	157,031	948,000	54,000	1363,406
21:40-21:50	34,500	6,000	30,000	18,000	84,000	24,000	44,625	155,250	1132,500	51,750	1580,625
21:50-22:00	33,000	0,000	18,000	24,000	12,000	12,000	36,375	155,625	1201,500	51,750	1544,250
22:00-22:10	34,500	0,000	30,000	18,000	132,000	12,000	36,000	157,313	1206,000	51,750	1677,563
22:10-22:20	31,500	6,000	24,000	24,000	18,000	12,000	39,750	155,531	1261,500	52,500	1624,781
22:20-22:30	34,500	0,000	24,000	18,000	132,000	18,000	39,000	155,438	1267,500	49,500	1737,938
22:30-22:40	30,750	6,000	24,000	18,000	12,000	12,000	33,375	156,094	1344,000	49,500	1685,719
22:40-22:50	27,000	0,000	24,000	24,000	54,000	12,000	33,750	157,781	1374,000	48,750	1755,281
22:50-23:00	24,000	6,000	24,000	24,000	96,000	12,000	31,125	157,594	1432,500	46,500	1853,719
23:00-23:10	25,500	0,000	24,000	18,000	12,000	6,000	32,625	157,125	1474,500	44,250	1794,000
23:10-23:20	24,750	0,000	18,000	18,000	132,000	12,000	30,375	158,906	1486,500	40,500	1921,031
23:20-23:30	21,000	6,000	18,000	24,000	18,000	6,000	24,375	158,063	1519,500	39,000	1833,938
23:30-23:40	23,250	0,000	12,000	18,000	126,000	12,000	22,500	158,063	1488,000	36,750	1896,563
23:40-23:50	21,750	0,000	18,000	24,000	18,000	12,000	21,750	161,063	1540,500	35,250	1852,313
23:50-00:00	17,308	24,434	16,290	16,290	16,290	8,145	19,344	158,036	1538,776	36,735	1851,645

Caudal Médio Diário = 1073,02 m3/h

14.02.2008

P.Entrega	A.Marq	S.Miguel	V.Maior	Olival	Cabeço	Argonç	Mozelos	R_S.Vic	R_Ramil	R_Mozelos	Sum
Hora	Caudal (m3/h)										
00:00-00:10	15,750	42,000	12,000	24,000	132,000	6,000	15,000	159,188	1521,000	35,250	1962,188
00:10-00:20	15,750	36,000	12,000	18,000	12,000	0,000	15,750	159,188	1536,000	33,750	1838,438
00:20-00:30	15,000	36,000	12,000	24,000	18,000	6,000	13,500	162,375	1488,000	33,750	1808,625
00:30-00:40	15,000	36,000	12,000	18,000	12,000	6,000	13,125	161,156	598,500	36,000	907,781
00:40-00:50	12,750	36,000	12,000	24,000	18,000	6,000	13,125	161,719	441,000	33,000	757,594
00:50-01:00	8,250	42,000	12,000	18,000	18,000	0,000	10,125	164,344	1048,500	33,000	1354,219
01:00-01:10	6,000	36,000	6,000	24,000	12,000	6,000	9,000	161,906	1243,500	29,250	1533,656
01:10-01:20	9,000	36,000	12,000	18,000	18,000	6,000	8,625	162,281	1284,000	24,000	1577,906
01:20-01:30	13,500	36,000	6,000	18,000	12,000	0,000	8,250	163,781	1257,000	22,500	1537,031
01:30-01:40	12,000	30,000	12,000	24,000	18,000	6,000	7,875	162,938	1174,500	20,250	1467,563
01:40-01:50	12,000	0,000	6,000	18,000	12,000	0,000	8,250	164,813	1141,500	18,750	1381,313
01:50-02:00	10,500	6,000	12,000	18,000	18,000	6,000	7,125	165,188	1132,500	18,750	1394,063
02:00-02:10	7,500	0,000	6,000	24,000	18,000	0,000	6,000	164,156	1107,000	18,000	1350,656
02:10-02:20	0,000	0,000	6,000	18,000	12,000	6,000	6,375	165,000	730,500	18,000	961,875
02:20-02:30	0,750	6,000	6,000	18,000	18,000	0,000	6,375	168,281	160,500	18,000	401,906
02:30-02:40	0,750	0,000	6,000	18,000	18,000	6,000	6,000	165,563	102,000	17,250	339,563
02:40-02:50	0,000	0,000	12,000	18,000	12,000	0,000	6,000	165,375	112,500	19,500	345,375
02:50-03:00	0,000	0,000	12,000	18,000	18,000	0,000	5,250	165,188	243,000	18,000	479,438
03:00-03:10	0,000	6,000	6,000	18,000	18,000	6,000	4,875	166,313	306,000	18,000	549,188
03:10-03:20	0,000	0,000	6,000	12,000	12,000	0,000	5,250	166,406	309,000	18,000	528,656
03:20-03:30	0,000	0,000	6,000	18,000	18,000	6,000	5,625	164,906	273,000	17,250	508,781
03:30-03:40	0,000	6,000	12,000	12,000	18,000	0,000	6,000	165,281	244,500	16,500	480,281
03:40-03:50	0,000	0,000	6,000	12,000	12,000	0,000	4,875	168,188	222,000	15,000	440,063
03:50-04:00	0,000	0,000	6,000	18,000	18,000	6,000	5,250	165,750	214,500	13,500	447,000
04:00-04:10	0,000	0,000	6,000	12,000	18,000	0,000	5,625	165,469	529,500	13,500	750,094
04:10-04:20	0,000	6,000	6,000	12,000	12,000	6,000	5,250	166,688	1014,000	11,250	1239,188
04:20-04:30	0,750	0,000	6,000	12,000	18,000	0,000	5,250	165,281	718,500	11,250	937,031
04:30-04:40	0,000	0,000	6,000	12,000	12,000	6,000	5,625	168,188	247,500	11,250	468,563
04:40-04:50	0,000	6,000	12,000	12,000	18,000	0,000	5,625	163,875	174,000	11,250	402,750
04:50-05:00	0,000	0,000	6,000	12,000	18,000	6,000	5,250	166,406	162,000	12,000	387,656
05:00-05:10	0,000	0,000	6,000	12,000	18,000	0,000	6,375	166,219	154,500	12,750	375,844
05:10-05:20	0,000	0,000	6,000	12,000	12,000	6,000	6,375	164,719	150,000	12,000	369,094
05:20-05:30	0,750	6,000	12,000	12,000	18,000	0,000	7,125	167,250	147,000	12,750	382,875
05:30-05:40	3,000	0,000	6,000	12,000	12,000	6,000	7,125	162,938	144,000	11,250	364,313
05:40-05:50	7,500	0,000	12,000	12,000	18,000	0,000	7,500	166,031	150,000	11,250	384,281
05:50-06:00	10,500	6,000	6,000	12,000	18,000	6,000	6,375	165,938	196,500	10,500	437,813
06:00-06:10	12,000	0,000	12,000	12,000	12,000	6,000	7,875	164,625	214,500	10,500	451,500
06:10-06:20	15,750	0,000	12,000	12,000	18,000	6,000	15,000	164,719	220,500	9,750	473,719
06:20-06:30	15,750	6,000	18,000	6,000	18,000	0,000	14,625	165,750	502,500	9,750	756,375
06:30-06:40	20,250	0,000	12,000	12,000	12,000	12,000	13,500	164,813	1065,000	9,750	1321,313
06:40-06:50	21,750	0,000	18,000	12,000	18,000	12,000	16,125	162,938	1264,500	10,500	1535,813
06:50-07:00	21,750	6,000	18,000	12,000	132,000	6,000	22,500	165,281	1284,000	11,250	1678,781
07:00-07:10	27,750	0,000	24,000	12,000	12,000	12,000	27,750	160,781	1287,000	12,000	1575,281
07:10-07:20	31,500	6,000	24,000	6,000	132,000	18,000	34,125	162,750	1243,500	12,750	1670,625
07:20-07:30	31,500	0,000	30,000	12,000	12,000	12,000	39,000	161,531	1236,000	14,250	1548,281
07:30-07:40	32,250	6,000	24,000	12,000	102,000	18,000	42,375	163,875	1206,000	17,250	1623,750
07:40-07:50	33,000	0,000	30,000	12,000	42,000	18,000	39,000	161,719	1215,000	27,000	1577,719
07:50-08:00	39,750	0,000	24,000	6,000	18,000	12,000	36,000	161,063	1230,000	31,500	1558,313

08:00-08:10	40,500	6,000	24,000	12,000	126,000	18,000	34,875	161,250	1210,500	34,500	1667,625
08:10-08:20	35,250	0,000	30,000	12,000	18,000	18,000	36,000	163,875	1245,000	34,500	1592,625
08:20-08:30	34,500	6,000	24,000	12,000	126,000	18,000	33,000	160,875	1086,000	39,750	1540,125
08:30-08:40	33,750	0,000	24,000	12,000	18,000	12,000	31,500	161,344	660,000	58,500	1011,094
08:40-08:50	31,500	6,000	24,000	12,000	126,000	18,000	32,625	163,219	394,500	60,750	868,594
08:50-09:00	30,000	0,000	24,000	12,000	18,000	18,000	25,125	162,375	375,000	57,750	722,250
09:00-09:10	34,500	6,000	18,000	12,000	60,000	12,000	21,750	163,688	366,000	53,250	747,188
09:10-09:20	30,750	0,000	30,000	12,000	90,000	12,000	23,625	163,219	315,000	51,000	727,594
09:20-09:30	29,250	6,000	24,000	18,000	12,000	12,000	23,625	162,094	297,000	49,500	633,469
09:30-09:40	34,500	0,000	24,000	12,000	132,000	18,000	28,875	162,281	292,500	50,250	754,406
09:40-09:50	36,000	6,000	24,000	12,000	18,000	12,000	23,625	163,594	288,000	48,000	631,219
09:50-10:00	34,500	0,000	24,000	18,000	126,000	24,000	26,250	163,031	280,500	49,500	745,781
10:00-10:10	36,750	6,000	30,000	12,000	18,000	12,000	26,250	161,250	315,000	46,500	663,750
10:10-10:20	33,000	0,000	18,000	18,000	48,000	12,000	69,375	162,000	415,500	43,500	819,375
10:20-10:30	30,750	6,000	30,000	18,000	96,000	12,000	29,250	159,563	496,500	44,250	922,313
10:30-10:40	34,500	0,000	24,000	18,000	18,000	12,000	28,500	157,688	499,500	42,000	834,188
10:40-10:50	31,500	6,000	30,000	12,000	126,000	12,000	30,750	154,594	465,000	41,250	909,094
10:50-11:00	35,250	0,000	24,000	18,000	18,000	18,000	30,750	143,719	438,000	42,750	768,469
11:00-11:10	33,000	6,000	30,000	18,000	132,000	12,000	24,750	112,500	357,000	41,250	766,500
11:10-11:20	31,500	0,000	18,000	18,000	12,000	18,000	25,875	69,000	322,500	42,000	556,875
11:20-11:30	39,000	0,000	24,000	24,000	66,000	12,000	27,375	43,125	303,000	42,750	581,250
11:30-11:40	36,750	6,000	30,000	18,000	78,000	18,000	31,875	22,594	297,000	45,000	583,219
11:40-11:50	32,250	0,000	24,000	24,000	18,000	18,000	30,000	12,469	294,000	45,750	498,469
11:50-12:00	30,750	6,000	24,000	18,000	126,000	18,000	30,750	7,781	285,000	46,500	592,781
12:00-12:10	34,500	0,000	24,000	18,000	18,000	12,000	27,375	6,375	312,000	48,000	500,250
12:10-12:20	39,000	0,000	24,000	24,000	126,000	18,000	30,000	6,094	412,500	47,250	726,844
12:20-12:30	33,750	6,000	24,000	18,000	18,000	12,000	25,875	5,906	513,000	45,750	702,281
12:30-12:40	35,250	0,000	18,000	24,000	90,000	12,000	27,750	6,000	729,000	46,500	988,500
12:40-12:50	31,500	6,000	30,000	18,000	54,000	18,000	26,250	5,906	1128,000	44,250	1361,906
12:50-13:00	30,000	0,000	24,000	24,000	12,000	12,000	23,250	5,906	1288,500	42,750	1462,406
13:00-13:10	36,000	6,000	18,000	18,000	132,000	18,000	23,250	5,813	1326,000	43,500	1626,563
13:10-13:20	36,750	0,000	24,000	18,000	12,000	12,000	26,625	5,813	1396,500	43,500	1575,188
13:20-13:30	36,000	0,000	24,000	24,000	132,000	12,000	23,250	5,719	1416,000	42,750	1715,719
13:30-13:40	33,000	6,000	24,000	18,000	18,000	18,000	24,000	5,813	1482,000	43,500	1672,313
13:40-13:50	29,250	0,000	24,000	18,000	72,000	12,000	23,625	5,719	1480,500	45,000	1710,094
13:50-14:00	31,500	6,000	24,000	24,000	72,000	12,000	21,000	5,625	1503,000	45,000	1744,125
14:00-14:10	27,750	0,000	24,000	18,000	18,000	18,000	23,625	5,625	1498,500	45,000	1678,500
14:10-14:20	27,750	0,000	24,000	24,000	132,000	12,000	25,125	15,188	1461,000	45,000	1766,063
14:20-14:30	27,750	6,000	18,000	18,000	12,000	18,000	20,625	64,031	1491,000	45,750	1721,156
14:30-14:40	27,750	0,000	24,000	24,000	132,000	18,000	23,250	102,563	1467,000	45,000	1863,563
14:40-14:50	28,500	6,000	18,000	18,000	18,000	12,000	22,500	123,844	1501,500	44,250	1792,594
14:50-15:00	25,500	0,000	36,000	24,000	72,000	12,000	22,125	132,000	1489,500	43,500	1856,625
15:00-15:10	24,750	18,000	30,000	18,000	72,000	12,000	22,125	140,625	1500,000	42,000	1879,500
15:10-15:20	25,500	36,000	18,000	24,000	12,000	12,000	24,000	147,563	1515,000	40,500	1854,563
15:20-15:30	27,000	42,000	18,000	18,000	18,000	12,000	21,000	153,844	1527,000	40,500	1877,344
15:30-15:40	26,250	36,000	24,000	24,000	18,000	12,000	17,625	154,125	1482,000	39,000	1833,000
15:40-15:50	29,250	36,000	18,000	18,000	12,000	6,000	21,750	157,031	682,500	42,750	1023,281
15:50-16:00	30,000	36,000	24,000	24,000	18,000	18,000	20,625	158,531	3,000	42,000	374,156
16:00-16:10	29,250	42,000	18,000	24,000	12,000	12,000	19,875	160,594	294,000	42,000	653,719
16:10-16:20	30,000	36,000	24,000	24,000	18,000	12,000	20,625	161,063	702,000	42,750	1070,438
16:20-16:30	30,000	36,000	24,000	18,000	18,000	12,000	20,250	159,938	706,500	42,000	1066,688
16:30-16:40	29,250	36,000	24,000	18,000	12,000	12,000	19,500	163,219	679,500	41,250	1034,719
16:40-16:50	30,750	36,000	24,000	24,000	18,000	12,000	18,750	161,156	622,500	41,250	988,406

16:50-17:00	30,000	42,000	30,000	24,000	12,000	6,000	17,625	161,063	391,500	40,500	754,688
17:00-17:10	28,500	12,000	24,000	18,000	18,000	12,000	21,375	163,031	228,000	39,000	563,906
17:10-17:20	28,500	0,000	24,000	24,000	18,000	12,000	23,625	161,250	174,000	39,000	504,375
17:20-17:30	33,000	0,000	30,000	24,000	12,000	12,000	22,500	165,000	157,500	39,000	495,000
17:30-17:40	30,750	6,000	18,000	18,000	18,000	12,000	23,625	163,313	153,000	38,250	480,938
17:40-17:50	30,000	0,000	30,000	24,000	18,000	12,000	25,125	163,031	150,000	38,250	490,406
17:50-18:00	30,750	6,000	24,000	24,000	12,000	12,000	30,000	165,938	150,000	39,000	493,688
18:00-18:10	33,000	0,000	24,000	18,000	108,000	18,000	30,750	163,594	165,000	41,250	601,594
18:10-18:20	36,750	0,000	24,000	24,000	36,000	12,000	30,000	165,000	342,000	43,500	713,250
18:20-18:30	36,000	6,000	30,000	24,000	24,000	12,000	34,875	161,813	447,000	45,750	821,438
18:30-18:40	37,500	0,000	30,000	18,000	120,000	18,000	35,625	165,469	447,000	53,250	924,844
18:40-18:50	41,250	6,000	30,000	24,000	18,000	18,000	37,875	162,938	369,000	54,750	761,813
18:50-19:00	36,000	0,000	30,000	18,000	126,000	18,000	36,000	161,719	255,000	58,500	739,219
19:00-19:10	42,750	6,000	36,000	24,000	18,000	18,000	38,250	162,000	225,000	63,000	633,000
19:10-19:20	37,500	0,000	24,000	24,000	126,000	18,000	41,625	164,531	210,000	65,250	710,906
19:20-19:30	36,000	0,000	36,000	24,000	12,000	18,000	43,875	159,938	199,500	69,000	598,313
19:30-19:40	37,500	6,000	36,000	18,000	84,000	12,000	39,375	163,594	192,000	66,000	654,469
19:40-19:50	38,250	0,000	30,000	24,000	66,000	18,000	42,375	160,875	189,000	64,500	633,000
19:50-20:00	34,500	6,000	36,000	18,000	12,000	18,000	37,125	161,719	225,000	59,250	607,594
20:00-20:10	39,000	0,000	30,000	24,000	132,000	18,000	41,625	159,469	355,500	54,000	853,594
20:10-20:20	39,750	6,000	36,000	24,000	18,000	18,000	44,625	159,094	442,500	56,250	844,219
20:20-20:30	36,750	6,000	36,000	18,000	132,000	18,000	45,000	159,750	459,000	57,750	968,250
20:30-20:40	33,000	0,000	36,000	24,000	18,000	24,000	46,125	159,188	426,000	60,750	827,063
20:40-20:50	32,250	0,000	30,000	18,000	84,000	12,000	42,375	156,844	313,500	62,250	751,219
20:50-21:00	31,500	6,000	30,000	24,000	60,000	18,000	41,625	156,000	246,000	65,250	678,375
21:00-21:10	34,500	0,000	24,000	24,000	18,000	12,000	37,125	155,906	238,500	63,000	607,031
21:10-21:20	30,750	6,000	36,000	18,000	132,000	18,000	33,750	148,969	528,000	60,000	1011,469
21:20-21:30	31,500	0,000	30,000	24,000	18,000	12,000	36,750	143,813	868,500	56,250	1220,813
21:30-21:40	34,500	6,000	30,000	24,000	132,000	12,000	39,375	129,656	1066,500	53,250	1527,281
21:40-21:50	31,500	0,000	24,000	18,000	18,000	18,000	35,250	108,281	1146,000	51,000	1450,031
21:50-22:00	28,500	6,000	30,000	24,000	102,000	12,000	35,625	81,375	1164,000	49,500	1533,000
22:00-22:10	26,250	0,000	24,000	18,000	48,000	12,000	36,750	64,219	1183,500	48,750	1461,469
22:10-22:20	24,750	6,000	18,000	24,000	18,000	12,000	36,375	58,031	1186,500	47,250	1430,906
22:20-22:30	26,250	0,000	24,000	24,000	138,000	12,000	28,875	78,750	1174,500	45,750	1552,125
22:30-22:40	24,750	0,000	24,000	18,000	12,000	12,000	30,750	117,938	1206,000	46,500	1491,938
22:40-22:50	25,500	6,000	24,000	24,000	132,000	12,000	31,500	135,656	1168,500	46,500	1605,656
22:50-23:00	24,000	0,000	18,000	18,000	18,000	6,000	27,375	144,656	1182,000	46,500	1484,531
23:00-23:10	20,250	6,000	24,000	24,000	78,000	12,000	24,000	148,781	1180,500	46,500	1564,031
23:10-23:20	21,000	0,000	18,000	18,000	72,000	6,000	22,125	154,406	1189,500	45,000	1546,031
23:20-23:30	20,250	0,000	12,000	24,000	18,000	12,000	23,625	153,844	1200,000	42,750	1506,469
23:30-23:40	22,500	6,000	18,000	24,000	132,000	6,000	24,000	155,250	1197,000	41,250	1626,000
23:40-23:50	25,500	0,000	18,000	18,000	18,000	6,000	23,625	159,281	1255,500	39,000	1562,906
23:50-00:00	19,059	0,000	16,941	25,412	110,118	8,471	18,000	157,846	1248,936	37,234	1642,016

Caudal Médio Diário = 1040,36 m3/h

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	Caudais Médios m3/h	Caudal Médio Horário	Factor de Consumo
Hora	**Caudal (m3/h)**								
00:00-00:10	1749,260	1521,260	1484,172	1347,094	1842,000	1962,188	1650,996	1518,740	1,541
00:10-00:20	1629,844	1533,094	1506,469	1405,688	1905,844	1838,438	1636,563		1,528
00:20-00:30	1707,656	1470,938	1611,938	1426,969	1840,219	1808,625	1644,391		1,535
00:30-00:40	1725,938	1520,719	1524,375	1376,719	1827,469	907,781	1480,500		1,382
00:40-00:50	1719,375	1405,500	1603,594	1338,844	1596,094	757,594	1403,500		1,310
00:50-01:00	1817,578	1476,750	1501,406	1354,031	274,969	1354,219	1296,492		1,210
01:00-01:10	1743,094	1370,625	1567,594	1337,531	1025,906	1533,656	1429,734	1384,253	1,335
01:10-01:20	1721,719	1345,594	1511,813	1354,125	1479,000	1577,906	1498,359		1,399
01:20-01:30	1552,922	1442,250	1387,406	1334,813	1552,406	1537,031	1467,805		1,370
01:30-01:40	943,219	1367,063	1295,906	1315,031	1546,594	1467,563	1322,563		1,235
01:40-01:50	855,797	1381,594	1200,375	1336,313	1459,594	1381,313	1269,164		1,185
01:50-02:00	1246,969	1371,469	1141,594	1347,375	1405,875	1394,063	1317,891		1,230
02:00-02:10	1449,375	1378,969	1141,594	1318,875	1369,406	1350,656	1334,813	1176,241	1,246
02:10-02:20	1476,188	1356,563	1128,281	1312,594	1349,531	961,875	1264,172		1,180
02:20-02:30	1466,484	1344,938	1158,375	1298,250	1360,500	401,906	1171,742		1,094
02:30-02:40	1437,281	1346,906	1138,781	1269,469	1381,125	339,563	1152,188		1,075
02:40-02:50	1437,141	1320,000	1135,406	1256,906	1233,844	345,375	1121,445		1,047
02:50-03:00	1379,016	1317,375	1137,844	1254,375	510,469	479,438	1013,086		0,946
03:00-03:10	1317,984	1316,813	1147,875	1255,125	246,000	549,188	972,164	906,917	0,907
03:10-03:20	1287,656	1365,281	1155,281	1245,656	253,875	528,656	972,734		0,908
03:20-03:30	1241,906	1358,250	1088,250	1266,188	271,500	508,781	955,813		0,892
03:30-03:40	1234,547	1350,656	616,875	1276,781	371,531	480,281	888,445		0,829
03:40-03:50	1218,844	1329,375	352,219	1271,719	403,406	440,063	835,938		0,780
03:50-04:00	1236,656	1308,469	307,688	1179,281	419,344	447,000	816,406		0,762
04:00-04:10	1211,438	1272,563	291,656	577,219	436,219	750,094	756,531	627,552	0,706
04:10-04:20	1218,750	1171,594	289,031	301,594	420,094	1239,188	773,375		0,722
04:20-04:30	1198,453	1107,844	302,156	284,156	435,094	937,031	710,789		0,663
04:30-04:40	701,391	1007,531	355,875	276,281	427,500	468,563	539,523		0,504
04:40-04:50	251,016	996,281	379,969	315,469	432,375	402,750	462,977		0,432
04:50-05:00	223,828	1072,781	651,656	378,000	418,781	387,656	522,117		0,487
05:00-05:10	237,750	1183,688	887,813	412,875	430,406	375,844	588,063	742,048	0,549
05:10-05:20	263,672	1118,625	992,438	439,219	408,188	369,094	598,539		0,559
05:20-05:30	645,656	581,719	1070,156	488,344	597,844	382,875	627,766		0,586
05:30-05:40	919,359	372,938	1149,375	884,625	1028,063	364,313	786,445		0,734
05:40-05:50	1048,594	357,938	1104,750	1268,719	1303,969	384,281	911,375		0,851
05:50-06:00	1196,672	315,938	1029,750	1362,656	1297,781	437,813	940,102		0,878
06:00-06:10	1147,781	287,531	934,313	1345,688	1237,219	451,500	900,672	889,759	0,841
06:10-06:20	938,203	288,469	723,750	1350,844	1251,938	473,719	837,820		0,782
06:20-06:30	880,125	289,219	516,000	1339,219	1288,125	756,375	844,844		0,789
06:30-06:40	820,313	281,250	438,469	1284,281	1275,188	1321,313	903,469		0,843
06:40-06:50	521,250	632,156	391,969	1231,219	1241,719	1535,813	925,688		0,864
06:50-07:00	329,063	1177,219	416,344	740,719	1214,250	1678,781	926,063		0,864
07:00-07:10	304,688	1331,063	493,219	635,156	1211,531	1575,281	925,156	927,083	0,864
07:10-07:20	436,547	1135,688	588,750	519,844	567,188	1670,625	819,773		0,765
07:20-07:30	970,453	879,938	620,438	636,844	445,313	1548,281	850,211		0,794
07:30-07:40	1253,859	866,250	856,031	515,906	290,063	1623,750	900,977		0,841
07:40-07:50	1386,563	889,500	1336,875	704,156	397,031	1577,719	1048,641		0,979
07:50-08:00	1014,703	933,656	1581,563	735,094	283,125	1558,313	1017,742		0,950

08:00-08:10	710,391	1043,438	1535,625	740,156	363,656	1667,625	1010,148	870,342	0,943
08:10-08:20	480,141	992,156	1624,969	868,688	534,750	1592,625	1015,555		0,948
08:20-08:30	494,953	1122,844	1198,125	808,875	506,344	1540,125	945,211		0,882
08:30-08:40	480,891	1065,469	726,656	886,688	717,281	1011,094	814,680		0,760
08:40-08:50	495,938	926,156	647,813	694,125	706,500	868,594	723,188		0,675
08:50-09:00	691,359	689,156	617,625	766,781	792,469	722,250	713,273		0,666
09:00-09:10	634,734	412,594	766,781	662,438	625,781	747,188	641,586	796,154	0,599
09:10-09:20	739,828	502,781	960,094	733,781	918,000	727,594	763,680		0,713
09:20-09:30	626,156	512,063	1361,813	786,469	1347,750	633,469	877,953		0,820
09:30-09:40	693,938	738,938	909,938	760,594	1521,656	754,406	896,578		0,837
09:40-09:50	597,844	627,750	766,875	869,438	1582,781	631,219	845,984		0,790
09:50-10:00	603,750	667,031	604,875	795,750	1089,656	745,781	751,141		0,701
10:00-10:10	778,313	665,719	634,594	846,000	748,688	663,750	722,844	738,992	0,675
10:10-10:20	757,875	621,750	629,531	720,375	647,438	819,375	699,391		0,653
10:20-10:30	931,500	761,063	575,531	775,688	782,625	922,313	791,453		0,739
10:30-10:40	831,938	682,219	724,500	604,781	677,906	834,188	725,922		0,678
10:40-10:50	912,375	810,938	661,219	648,281	698,344	909,094	773,375		0,722
10:50-11:00	811,875	712,594	804,656	647,813	580,406	768,469	720,969		0,673
11:00-11:10	837,281	846,750	702,938	540,375	531,938	766,500	704,297	794,503	0,657
11:10-11:20	837,938	737,250	769,875	679,313	626,625	556,875	701,313		0,655
11:20-11:30	756,563	752,531	680,813	640,031	486,750	581,250	649,656		0,606
11:30-11:40	854,438	842,156	679,875	858,000	605,344	583,219	737,172		0,688
11:40-11:50	1088,813	1046,344	1148,250	821,063	555,188	498,469	859,688		0,802
11:50-12:00	1623,656	1559,250	1366,313	885,000	662,344	592,781	1114,891		1,041
12:00-12:10	1719,000	1547,344	1561,219	767,063	662,063	500,250	1126,156	1319,610	1,051
12:10-12:20	1841,344	1558,031	1525,594	790,875	698,047	726,844	1190,122		1,111
12:20-12:30	1847,625	1276,969	1617,188	1231,313	824,562	702,281	1249,989		1,167
12:30-12:40	1844,625	1141,125	1568,625	1467,469	779,719	988,500	1298,344		1,212
12:40-12:50	1950,563	1152,469	1591,500	1711,406	1284,000	1361,906	1508,641		1,408
12:50-13:00	1893,188	1113,656	1674,563	1666,313	1456,313	1462,406	1544,406		1,442
13:00-13:10	1981,313	1224,188	1599,469	1749,469	1653,094	1626,563	1639,016	1653,646	1,530
13:10-13:20	1889,438	1112,250	1699,125	1646,719	1645,875	1575,188	1594,766		1,489
13:20-13:30	1958,250	1226,813	1614,938	1644,094	1794,938	1715,719	1659,125		1,549
13:30-13:40	1927,125	1153,031	1680,281	1708,875	1781,250	1672,313	1653,813		1,544
13:40-13:50	1896,656	1378,125	1643,625	1629,375	1723,781	1710,094	1663,609		1,553
13:50-14:00	1995,469	1525,781	1540,313	1769,250	1694,344	1744,125	1711,547		1,598
14:00-14:10	1899,938	1477,031	1499,250	1703,063	1675,406	1678,500	1655,531	1599,203	1,545
14:10-14:20	1980,750	1524,094	1364,063	1714,969	1608,281	1766,063	1659,703		1,549
14:20-14:30	1915,313	1424,063	1369,688	1732,688	1587,094	1721,156	1625,000		1,517
14:30-14:40	1931,813	1501,500	1335,469	1737,938	1583,813	1863,563	1659,016		1,549
14:40-14:50	1539,469	1401,000	1326,469	1788,094	1557,375	1792,594	1567,500		1,463
14:50-15:00	564,469	1489,781	1311,750	1840,594	1507,594	1856,625	1428,469		1,333
15:00-15:10	1332,281	1350,094	1320,000	1855,688	1479,469	1879,500	1536,172	1387,664	1,434
15:10-15:20	1514,625	1341,938	1314,469	1841,344	1408,406	1854,563	1545,891		1,443
15:20-15:30	1713,750	1378,594	1369,500	1037,531	1274,813	1877,344	1441,922		1,346
15:30-15:40	1587,188	1373,719	1376,344	773,719	1083,844	1833,000	1337,969		1,249
15:40-15:50	1647,375	1433,531	1185,563	1406,625	1025,344	1023,281	1286,953		1,201
15:50-16:00	1555,688	1328,156	1046,813	1619,531	1138,125	374,156	1177,078		1,099
16:00-16:10	1549,219	1420,219	1108,688	1583,906	1287,188	653,719	1267,156	1238,607	1,183
16:10-16:20	1657,031	1290,750	1124,250	1357,781	1329,656	1070,438	1304,984		1,218
16:20-16:30	1547,813	1355,719	1141,125	880,219	1369,125	1066,688	1226,781		1,145
16:30-16:40	1656,281	1358,438	1305,094	780,469	1233,469	1034,719	1228,078		1,146
16:40-16:50	1556,719	1313,344	1335,938	877,875	1194,563	988,406	1211,141		1,131
16:50-17:00	1629,656	1385,344	1276,406	913,125	1201,781	754,688	1193,500		1,114

17:00-17:10	1495,125	1253,531	1217,906	1034,156	1312,500	563,906	1146,188	1138,234	1,070
17:10-17:20	1514,813	1321,688	1114,031	1227,469	1277,906	504,375	1160,047		1,083
17:20-17:30	1380,563	1264,406	1005,469	1558,969	1354,406	495,000	1176,469		1,098
17:30-17:40	1340,156	1393,688	1189,594	1351,688	1031,344	480,938	1131,234		1,056
17:40-17:50	1425,281	1308,656	1230,375	1292,156	892,781	490,406	1106,609		1,033
17:50-18:00	1395,000	1367,250	1400,813	1025,344	971,063	493,688	1108,859		1,035
18:00-18:10	1498,969	1289,250	1237,688	1136,531	904,500	601,594	1111,422	942,998	1,037
18:10-18:20	1419,375	1267,313	1216,500	1107,094	1007,344	713,250	1121,813		1,047
18:20-18:30	1335,938	1102,594	918,656	1027,219	836,531	821,438	1007,063		0,940
18:30-18:40	934,969	807,375	867,000	961,500	834,000	924,844	888,281		0,829
18:40-18:50	959,906	715,406	903,663	650,813	724,406	761,813	786,001		0,734
18:50-19:00	885,750	550,594	778,688	706,688	799,500	739,219	743,406		0,694
19:00-19:10	891,563	512,250	726,375	589,219	706,219	633,000	676,438	745,815	0,631
19:10-19:20	964,125	529,406	685,875	730,969	734,813	710,906	726,016		0,678
19:20-19:30	838,594	594,469	811,406	633,750	821,906	598,313	716,406		0,669
19:30-19:40	949,969	741,750	714,266	702,563	726,563	654,469	748,263		0,698
19:40-19:50	855,188	790,875	879,660	917,719	856,031	633,000	822,079		0,767
19:50-20:00	1001,438	684,000	727,594	890,813	802,688	607,594	785,688		0,733
20:00-20:10	930,281	614,813	839,063	1028,719	912,094	853,594	863,094	817,190	0,806
20:10-20:20	1025,813	598,313	751,969	890,344	827,625	844,219	823,047		0,768
20:20-20:30	901,969	583,406	828,188	925,594	880,688	968,250	848,016		0,792
20:30-20:40	957,938	560,906	814,125	772,875	870,000	827,063	800,484		0,747
20:40-20:50	1036,500	591,844	808,406	804,656	772,969	751,219	794,266		0,741
20:50-21:00	944,438	569,250	908,531	639,656	905,156	678,375	774,234		0,723
21:00-21:10	1017,094	590,344	826,688	694,125	779,625	607,031	752,484	944,443	0,702
21:10-21:20	906,563	667,594	936,844	692,531	891,000	1011,469	851,000		0,794
21:20-21:30	1019,250	756,938	827,531	716,906	989,250	1220,813	921,781		0,860
21:30-21:40	892,969	836,344	889,031	869,906	1363,406	1527,281	1063,156		0,992
21:40-21:50	959,906	766,313	703,875	780,750	1580,625	1450,031	1040,250		0,971
21:50-22:00	877,500	630,469	740,063	902,625	1544,250	1533,000	1037,984		0,969
22:00-22:10	824,625	668,719	762,281	807,938	1677,563	1461,469	1033,766	1129,823	0,965
22:10-22:20	959,906	564,281	736,781	941,531	1624,781	1430,906	1043,031		0,974
22:20-22:30	851,156	661,594	882,938	1103,344	1737,938	1552,125	1131,516		1,056
22:30-22:40	923,625	542,344	811,125	1443,094	1685,719	1491,938	1149,641		1,073
22:40-22:50	816,281	609,938	913,500	1644,375	1755,281	1605,656	1224,172		1,143
22:50-23:00	859,594	545,063	807,375	1630,594	1853,719	1484,531	1196,813		1,117
23:00-23:10	877,500	593,719	852,094	1763,625	1794,000	1564,031	1240,828	1421,886	1,158
23:10-23:20	1158,563	783,750	791,719	1747,031	1921,031	1546,031	1324,688		1,236
23:20-23:30	1514,250	759,094	681,938	1838,063	1833,938	1506,469	1355,625		1,265
23:30-23:40	1490,531	910,125	991,688	1848,656	1896,563	1626,000	1460,594		1,363
23:40-23:50	1598,344	1075,875	1211,531	1819,031	1852,313	1562,906	1520,000		1,419
23:50-00:00	1504,500	1446,375	1407,917	1925,036	1851,645	1642,016	1629,582		1,521

Caudal Médio Diário = 1071,32091 m3/h

Caudais Médios *Alto do Marquinho - Jusante (saída de Alto do Marquinho)*
Caudal (m3/h)
1800
1600
1400
1200
1000
800
600
400
200
0
00:00-00:10
01:00-01:10
02:00-02:10
03:00-03:10
04:00-04:10
05:00-05:10
06:00-06:10
07:00-07:10
08:00-08:10
09:00-09:10
10:00-10:10
11:00-11:10
12:00-12:10
13:00-13:10
14:00-14:10
15:00-15:10
16:00-16:10
17:00-17:10
18:00-18:10
19:00-19:10
20:00-20:10
21:00-21:10
22:00-22:10
23:00-23:10
Horas

Caudias Médios Horários *Alto do Marquinho - Jusante (saída de Alto do Marquinho)*
Caudal (m3/h)
1800
1600
1400
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CAUDAIS

ETA de Lever – Jovim (saída da ETA de Lever)

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	470818,000				
09-02-2008	00:07:45	470818,594	0,594	0,001	1,280	4,607
09-02-2008	00:17:45	470819,219	0,625	0,001	1,042	3,750
09-02-2008	00:27:45	470819,969	0,750	0,001	1,250	4,500
09-02-2008	00:37:45	470821,000	1,031	0,002	1,719	6,188
09-02-2008	00:47:45	470821,844	0,844	0,001	1,406	5,063
09-02-2008	00:57:46	470822,938	1,094	0,002	1,823	6,563
09-02-2008	01:07:46	470823,781	0,844	0,001	1,406	5,063
09-02-2008	01:17:46	470824,344	0,563	0,001	0,938	3,375
09-02-2008	01:27:46	470825,313	0,969	0,002	1,615	5,813
09-02-2008	01:37:46	470826,219	0,906	0,002	1,510	5,438
09-02-2008	01:47:46	470827,000	0,781	0,001	1,302	4,688
09-02-2008	01:57:46	470827,813	0,813	0,001	1,354	4,875
09-02-2008	02:07:46	470828,375	0,563	0,001	0,938	3,375
09-02-2008	02:17:46	470829,250	0,875	0,001	1,458	5,250
09-02-2008	02:27:46	470829,875	0,625	0,001	1,042	3,750
09-02-2008	02:37:46	470830,594	0,719	0,001	1,198	4,313
09-02-2008	02:47:46	470831,406	0,813	0,001	1,354	4,875
09-02-2008	02:57:46	470832,219	0,813	0,001	1,354	4,875
09-02-2008	03:07:46	470833,063	0,844	0,001	1,406	5,063
09-02-2008	03:17:46	470833,938	0,875	0,001	1,458	5,250
09-02-2008	03:27:46	470834,594	0,656	0,001	1,094	3,938
09-02-2008	03:37:46	470835,688	1,094	0,002	1,823	6,563
09-02-2008	03:47:46	470836,781	1,094	0,002	1,823	6,563
09-02-2008	03:57:46	470837,750	0,969	0,002	1,615	5,813
09-02-2008	04:07:46	470838,688	0,938	0,002	1,563	5,625
09-02-2008	04:17:46	470839,469	0,781	0,001	1,302	4,688
09-02-2008	04:27:46	470840,344	0,875	0,001	1,458	5,250
09-02-2008	04:37:46	470841,188	0,844	0,001	1,406	5,063
09-02-2008	04:47:46	470842,031	0,844	0,001	1,406	5,063
09-02-2008	04:57:46	470842,938	0,906	0,002	1,510	5,438
09-02-2008	05:07:46	470844,063	1,125	0,002	1,875	6,750
09-02-2008	05:17:46	470845,063	1,000	0,002	1,667	6,000
09-02-2008	05:27:47	470845,906	0,844	0,001	1,406	5,063
09-02-2008	05:37:47	470846,688	0,781	0,001	1,302	4,688
09-02-2008	05:47:47	470847,656	0,969	0,002	1,615	5,813
09-02-2008	05:57:47	470848,875	1,219	0,002	2,031	7,313
09-02-2008	06:07:47	470850,031	1,156	0,002	1,927	6,938
09-02-2008	06:17:47	470850,938	0,906	0,002	1,510	5,438
09-02-2008	06:27:47	470851,906	0,969	0,002	1,615	5,813
09-02-2008	06:37:47	470853,250	1,344	0,002	2,240	8,063
09-02-2008	06:47:47	470854,344	1,094	0,002	1,823	6,563
09-02-2008	06:57:47	470855,406	1,063	0,002	1,771	6,375
09-02-2008	07:07:47	470856,594	1,188	0,002	1,979	7,125
09-02-2008	07:17:47	470857,875	1,281	0,002	2,135	7,688
09-02-2008	07:27:47	470859,344	1,469	0,002	2,448	8,813
09-02-2008	07:37:47	470860,875	1,531	0,003	2,552	9,188
09-02-2008	07:47:47	470861,906	1,031	0,002	1,719	6,188
09-02-2008	07:57:47	470862,813	0,906	0,002	1,510	5,438
09-02-2008	08:07:47	470863,875	1,063	0,002	1,771	6,375
09-02-2008	08:17:47	470865,063	1,188	0,002	1,979	7,125

09-02-2008	08:27:47	470866,031	0,969	0,002	1,615	5,813
09-02-2008	08:37:47	470866,938	0,906	0,002	1,510	5,438
09-02-2008	08:47:47	470868,063	1,125	0,002	1,875	6,750
09-02-2008	08:57:47	470869,031	0,969	0,002	1,615	5,813
09-02-2008	09:07:47	470869,969	0,938	0,002	1,563	5,625
09-02-2008	09:17:47	470870,938	0,969	0,002	1,615	5,813
09-02-2008	09:27:47	470872,188	1,250	0,002	2,083	7,500
09-02-2008	09:37:47	470873,063	0,875	0,001	1,458	5,250
09-02-2008	09:47:47	470874,063	1,000	0,002	1,667	6,000
09-02-2008	09:57:47	470875,094	1,031	0,002	1,719	6,188
09-02-2008	10:07:47	470876,031	0,938	0,002	1,563	5,625
09-02-2008	10:17:47	470877,063	1,031	0,002	1,719	6,188
09-02-2008	10:27:47	470878,156	1,094	0,002	1,823	6,563
09-02-2008	10:37:47	470879,344	1,188	0,002	1,979	7,125
09-02-2008	10:47:47	470880,625	1,281	0,002	2,135	7,688
09-02-2008	10:57:47	470881,625	1,000	0,002	1,667	6,000
09-02-2008	11:07:47	470882,313	0,688	0,001	1,146	4,125
09-02-2008	11:17:47	470883,375	1,063	0,002	1,771	6,375
09-02-2008	11:27:47	470884,313	0,938	0,002	1,563	5,625
09-02-2008	11:37:47	470885,156	0,844	0,001	1,406	5,063
09-02-2008	11:47:47	470886,281	1,125	0,002	1,875	6,750
09-02-2008	11:57:47	470886,906	0,625	0,001	1,042	3,750
09-02-2008	12:07:47	470887,875	0,969	0,002	1,615	5,813
09-02-2008	12:17:47	470888,531	0,656	0,001	1,094	3,938
09-02-2008	12:27:47	470889,344	0,813	0,001	1,354	4,875
09-02-2008	12:37:47	470890,438	1,094	0,002	1,823	6,563
09-02-2008	12:47:47	470891,219	0,781	0,001	1,302	4,688
09-02-2008	12:57:48	470892,281	1,063	0,002	1,771	6,375
09-02-2008	13:07:48	470892,875	0,594	0,001	0,990	3,563
09-02-2008	13:17:48	470893,469	0,594	0,001	0,990	3,563
09-02-2008	13:27:48	470894,375	0,906	0,002	1,510	5,438
09-02-2008	13:37:48	470895,031	0,656	0,001	1,094	3,938
09-02-2008	13:47:48	470895,906	0,875	0,001	1,458	5,250
09-02-2008	13:57:48	470896,875	0,969	0,002	1,615	5,813
09-02-2008	14:07:48	470897,656	0,781	0,001	1,302	4,688
09-02-2008	14:17:48	470898,531	0,875	0,001	1,458	5,250
09-02-2008	14:27:48	470899,313	0,781	0,001	1,302	4,688
09-02-2008	14:37:48	470900,031	0,719	0,001	1,198	4,313
09-02-2008	14:47:48	470901,000	0,969	0,002	1,615	5,813
09-02-2008	14:57:48	470901,906	0,906	0,002	1,510	5,438
09-02-2008	15:07:48	470902,469	0,563	0,001	0,938	3,375
09-02-2008	15:17:48	470903,438	0,969	0,002	1,615	5,813
09-02-2008	15:27:48	470904,250	0,813	0,001	1,354	4,875
09-02-2008	15:37:48	470905,406	1,156	0,002	1,927	6,938
09-02-2008	15:47:48	470906,438	1,031	0,002	1,719	6,188
09-02-2008	15:57:48	470907,188	0,750	0,001	1,250	4,500
09-02-2008	16:07:48	470908,219	1,031	0,002	1,719	6,188
09-02-2008	16:17:48	470908,844	0,625	0,001	1,042	3,750
09-02-2008	16:27:48	470909,938	1,094	0,002	1,823	6,563
09-02-2008	16:37:48	470910,656	0,719	0,001	1,198	4,313
09-02-2008	16:47:48	470911,656	1,000	0,002	1,667	6,000
09-02-2008	16:57:48	470912,563	0,906	0,002	1,510	5,438
09-02-2008	17:07:48	470913,344	0,781	0,001	1,302	4,688
09-02-2008	17:17:48	470914,625	1,281	0,002	2,135	7,688
09-02-2008	17:27:48	470915,406	0,781	0,001	1,302	4,688

09-02-2008	17:37:48	470916,531	1,125	0,002	1,875	6,750
09-02-2008	17:47:48	470917,813	1,281	0,002	2,135	7,688
09-02-2008	17:57:48	470918,969	1,156	0,002	1,927	6,938
09-02-2008	18:07:48	470919,875	0,906	0,002	1,510	5,438
09-02-2008	18:17:48	470920,719	0,844	0,001	1,406	5,063
09-02-2008	18:27:48	470921,594	0,875	0,001	1,458	5,250
09-02-2008	18:37:48	470922,563	0,969	0,002	1,615	5,813
09-02-2008	18:47:48	470923,563	1,000	0,002	1,667	6,000
09-02-2008	18:57:48	470924,625	1,063	0,002	1,771	6,375
09-02-2008	19:07:48	470925,500	0,875	0,001	1,458	5,250
09-02-2008	19:17:48	470926,344	0,844	0,001	1,406	5,063
09-02-2008	19:27:48	470927,188	0,844	0,001	1,406	5,063
09-02-2008	19:37:49	470928,063	0,875	0,001	1,458	5,250
09-02-2008	19:47:49	470928,938	0,875	0,001	1,458	5,250
09-02-2008	19:57:49	470929,875	0,938	0,002	1,563	5,625
09-02-2008	20:07:49	470930,750	0,875	0,001	1,458	5,250
09-02-2008	20:17:49	470931,313	0,563	0,001	0,938	3,375
09-02-2008	20:27:49	470932,188	0,875	0,001	1,458	5,250
09-02-2008	20:37:49	470933,219	1,031	0,002	1,719	6,188
09-02-2008	20:47:49	470933,688	0,469	0,001	0,781	2,813
09-02-2008	20:57:49	470934,406	0,719	0,001	1,198	4,313
09-02-2008	21:07:49	470935,000	0,594	0,001	0,990	3,563
09-02-2008	21:17:49	470935,719	0,719	0,001	1,198	4,313
09-02-2008	21:27:49	470936,500	0,781	0,001	1,302	4,688
09-02-2008	21:37:49	470937,125	0,625	0,001	1,042	3,750
09-02-2008	21:47:49	470937,750	0,625	0,001	1,042	3,750
09-02-2008	21:57:49	470938,469	0,719	0,001	1,198	4,313
09-02-2008	22:07:49	470939,313	0,844	0,001	1,406	5,063
09-02-2008	22:17:49	470940,094	0,781	0,001	1,302	4,688
09-02-2008	22:27:49	470940,688	0,594	0,001	0,990	3,563
09-02-2008	22:37:49	470941,469	0,781	0,001	1,302	4,688
09-02-2008	22:47:49	470942,000	0,531	0,001	0,885	3,188
09-02-2008	22:57:49	470942,594	0,594	0,001	0,990	3,563
09-02-2008	23:07:49	470943,219	0,625	0,001	1,042	3,750
09-02-2008	23:17:49	470943,719	0,500	0,001	0,833	3,000
09-02-2008	23:27:49	470944,625	0,906	0,002	1,510	5,438
09-02-2008	23:37:49	470945,406	0,781	0,001	1,302	4,688
09-02-2008	23:47:49	470946,156	0,750	0,001	1,250	4,500
09-02-2008	23:57:49	470946,875	0,719	0,001	1,198	4,313
10-02-2008	00:00:26	470947,125	0,250	0,002	1,592	5,732

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:26	470947,125				
10-02-2008	00:07:49	470947,406	0,281	0,001	0,635	2,286
10-02-2008	00:17:49	470948,313	0,906	0,002	1,510	5,438
10-02-2008	00:27:49	470949,281	0,969	0,002	1,615	5,813
10-02-2008	00:37:49	470950,063	0,781	0,001	1,302	4,688
10-02-2008	00:47:49	470950,875	0,813	0,001	1,354	4,875
10-02-2008	00:57:49	470951,344	0,469	0,001	0,781	2,813
10-02-2008	01:07:50	470951,938	0,594	0,001	0,990	3,563
10-02-2008	01:17:50	470952,844	0,906	0,002	1,510	5,438
10-02-2008	01:27:50	470953,625	0,781	0,001	1,302	4,688
10-02-2008	01:37:50	470954,438	0,813	0,001	1,354	4,875
10-02-2008	01:47:50	470955,188	0,750	0,001	1,250	4,500
10-02-2008	01:57:50	470955,938	0,750	0,001	1,250	4,500
10-02-2008	02:07:50	470956,688	0,750	0,001	1,250	4,500
10-02-2008	02:17:50	470957,531	0,844	0,001	1,406	5,063
10-02-2008	02:27:50	470958,156	0,625	0,001	1,042	3,750
10-02-2008	02:37:50	470958,969	0,813	0,001	1,354	4,875
10-02-2008	02:47:50	470959,625	0,656	0,001	1,094	3,938
10-02-2008	02:57:50	470960,469	0,844	0,001	1,406	5,063
10-02-2008	03:07:50	470961,281	0,813	0,001	1,354	4,875
10-02-2008	03:17:51	470961,781	0,500	0,001	0,833	3,000
10-02-2008	03:27:51	470962,813	1,031	0,002	1,719	6,188
10-02-2008	03:37:51	470963,563	0,750	0,001	1,250	4,500
10-02-2008	03:47:51	470964,406	0,844	0,001	1,406	5,063
10-02-2008	03:57:51	470965,125	0,719	0,001	1,198	4,313
10-02-2008	04:07:51	470965,938	0,813	0,001	1,354	4,875
10-02-2008	04:17:51	470966,563	0,625	0,001	1,042	3,750
10-02-2008	04:27:51	470967,344	0,781	0,001	1,302	4,688
10-02-2008	04:37:51	470967,938	0,594	0,001	0,990	3,563
10-02-2008	04:47:51	470968,656	0,719	0,001	1,198	4,313
10-02-2008	04:57:51	470969,625	0,969	0,002	1,615	5,813
10-02-2008	05:07:51	470970,469	0,844	0,001	1,406	5,063
10-02-2008	05:17:51	470971,313	0,844	0,001	1,406	5,063
10-02-2008	05:27:51	470972,094	0,781	0,001	1,302	4,688
10-02-2008	05:37:52	470973,094	1,000	0,002	1,667	6,000
10-02-2008	05:47:52	470973,906	0,813	0,001	1,354	4,875
10-02-2008	05:57:52	470974,656	0,750	0,001	1,250	4,500
10-02-2008	06:07:52	470975,438	0,781	0,001	1,302	4,688
10-02-2008	06:17:52	470976,250	0,813	0,001	1,354	4,875
10-02-2008	06:27:52	470977,188	0,938	0,002	1,563	5,625
10-02-2008	06:37:52	470978,031	0,844	0,001	1,406	5,063
10-02-2008	06:47:52	470979,063	1,031	0,002	1,719	6,188
10-02-2008	06:57:52	470979,938	0,875	0,001	1,458	5,250
10-02-2008	07:07:52	470981,375	1,438	0,002	2,396	8,625
10-02-2008	07:17:52	470982,281	0,906	0,002	1,510	5,438
10-02-2008	07:27:52	470982,906	0,625	0,001	1,042	3,750
10-02-2008	07:37:52	470983,969	1,063	0,002	1,771	6,375
10-02-2008	07:47:52	470984,969	1,000	0,002	1,667	6,000
10-02-2008	07:57:52	470985,906	0,938	0,002	1,563	5,625
10-02-2008	08:07:52	470986,813	0,906	0,002	1,510	5,438
10-02-2008	08:17:52	470987,594	0,781	0,001	1,302	4,688

10-02-2008	08:27:52	470988,563	0,969	0,002	1,615	5,813
10-02-2008	08:37:52	470989,688	1,125	0,002	1,875	6,750
10-02-2008	08:47:52	470990,438	0,750	0,001	1,250	4,500
10-02-2008	08:57:52	470991,469	1,031	0,002	1,719	6,188
10-02-2008	09:07:52	470992,344	0,875	0,001	1,458	5,250
10-02-2008	09:17:52	470993,188	0,844	0,001	1,406	5,063
10-02-2008	09:27:52	470994,281	1,094	0,002	1,823	6,563
10-02-2008	09:37:52	470995,281	1,000	0,002	1,667	6,000
10-02-2008	09:47:52	470996,313	1,031	0,002	1,719	6,188
10-02-2008	09:57:52	470997,375	1,063	0,002	1,771	6,375
10-02-2008	10:07:52	470998,313	0,938	0,002	1,563	5,625
10-02-2008	10:17:52	470999,406	1,094	0,002	1,823	6,563
10-02-2008	10:27:53	471000,188	0,781	0,001	1,302	4,688
10-02-2008	10:37:53	471001,000	0,813	0,001	1,354	4,875
10-02-2008	10:47:53	471001,906	0,906	0,002	1,510	5,438
10-02-2008	10:57:53	471002,688	0,781	0,001	1,302	4,688
10-02-2008	11:07:53	471003,500	0,813	0,001	1,354	4,875
10-02-2008	11:17:53	471004,375	0,875	0,001	1,458	5,250
10-02-2008	11:27:53	471005,094	0,719	0,001	1,198	4,313
10-02-2008	11:37:53	471005,875	0,781	0,001	1,302	4,688
10-02-2008	11:47:53	471006,719	0,844	0,001	1,406	5,063
10-02-2008	11:57:53	471007,531	0,813	0,001	1,354	4,875
10-02-2008	12:07:53	471008,281	0,750	0,001	1,250	4,500
10-02-2008	12:17:53	471009,281	1,000	0,002	1,667	6,000
10-02-2008	12:27:53	471009,938	0,656	0,001	1,094	3,938
10-02-2008	12:37:53	471010,781	0,844	0,001	1,406	5,063
10-02-2008	12:47:53	471011,563	0,781	0,001	1,302	4,688
10-02-2008	12:57:53	471012,375	0,813	0,001	1,354	4,875
10-02-2008	13:07:53	471013,063	0,688	0,001	1,146	4,125
10-02-2008	13:17:53	471013,781	0,719	0,001	1,198	4,313
10-02-2008	13:27:53	471014,656	0,875	0,001	1,458	5,250
10-02-2008	13:37:53	471015,469	0,813	0,001	1,354	4,875
10-02-2008	13:47:53	471016,000	0,531	0,001	0,885	3,188
10-02-2008	13:57:53	471016,781	0,781	0,001	1,302	4,688
10-02-2008	14:07:53	471017,469	0,688	0,001	1,146	4,125
10-02-2008	14:17:53	471018,063	0,594	0,001	0,990	3,563
10-02-2008	14:27:53	471018,719	0,656	0,001	1,094	3,938
10-02-2008	14:37:53	471019,438	0,719	0,001	1,198	4,313
10-02-2008	14:47:53	471020,094	0,656	0,001	1,094	3,938
10-02-2008	14:57:53	471020,781	0,688	0,001	1,146	4,125
10-02-2008	15:07:53	471021,688	0,906	0,002	1,510	5,438
10-02-2008	15:17:53	471022,344	0,656	0,001	1,094	3,938
10-02-2008	15:27:54	471023,031	0,688	0,001	1,146	4,125
10-02-2008	15:37:54	471023,750	0,719	0,001	1,198	4,313
10-02-2008	15:47:54	471024,406	0,656	0,001	1,094	3,938
10-02-2008	15:57:54	471025,219	0,813	0,001	1,354	4,875
10-02-2008	16:07:54	471025,969	0,750	0,001	1,250	4,500
10-02-2008	16:17:54	471026,781	0,813	0,001	1,354	4,875
10-02-2008	16:27:54	471027,500	0,719	0,001	1,198	4,313
10-02-2008	16:37:54	471028,250	0,750	0,001	1,250	4,500
10-02-2008	16:47:54	471028,844	0,594	0,001	0,990	3,563
10-02-2008	16:57:54	471029,531	0,688	0,001	1,146	4,125
10-02-2008	17:07:54	471030,313	0,781	0,001	1,302	4,688
10-02-2008	17:17:54	471031,031	0,719	0,001	1,198	4,313
10-02-2008	17:27:54	471031,781	0,750	0,001	1,250	4,500

10-02-2008	17:37:54	471032,500	0,719	0,001	1,198	4,313
10-02-2008	17:47:54	471033,250	0,750	0,001	1,250	4,500
10-02-2008	17:57:54	471034,000	0,750	0,001	1,250	4,500
10-02-2008	18:07:54	471034,750	0,750	0,001	1,250	4,500
10-02-2008	18:17:54	471035,406	0,656	0,001	1,094	3,938
10-02-2008	18:27:54	471036,219	0,813	0,001	1,354	4,875
10-02-2008	18:37:54	471036,906	0,688	0,001	1,146	4,125
10-02-2008	18:47:54	471037,938	1,031	0,002	1,719	6,188
10-02-2008	18:57:54	471038,531	0,594	0,001	0,990	3,563
10-02-2008	19:07:54	471039,063	0,531	0,001	0,885	3,188
10-02-2008	19:17:54	471039,875	0,813	0,001	1,354	4,875
10-02-2008	19:27:54	471040,719	0,844	0,001	1,406	5,063
10-02-2008	19:37:54	471041,406	0,688	0,001	1,146	4,125
10-02-2008	19:47:54	471041,938	0,531	0,001	0,885	3,188
10-02-2008	19:57:54	471042,813	0,875	0,001	1,458	5,250
10-02-2008	20:07:54	471043,531	0,719	0,001	1,198	4,313
10-02-2008	20:17:54	471044,219	0,688	0,001	1,146	4,125
10-02-2008	20:27:54	471044,844	0,625	0,001	1,042	3,750
10-02-2008	20:37:54	471045,719	0,875	0,001	1,458	5,250
10-02-2008	20:47:54	471046,469	0,750	0,001	1,250	4,500
10-02-2008	20:57:54	471047,156	0,688	0,001	1,146	4,125
10-02-2008	21:07:54	471048,125	0,969	0,002	1,615	5,813
10-02-2008	21:17:54	471048,844	0,719	0,001	1,198	4,313
10-02-2008	21:27:54	471049,813	0,969	0,002	1,615	5,813
10-02-2008	21:37:54	471050,781	0,969	0,002	1,615	5,813
10-02-2008	21:47:54	471051,469	0,688	0,001	1,146	4,125
10-02-2008	21:57:55	471052,125	0,656	0,001	1,094	3,938
10-02-2008	22:07:55	471052,938	0,813	0,001	1,354	4,875
10-02-2008	22:17:55	471053,656	0,719	0,001	1,198	4,313
10-02-2008	22:27:55	471054,469	0,813	0,001	1,354	4,875
10-02-2008	22:37:55	471055,250	0,781	0,001	1,302	4,688
10-02-2008	22:47:55	471055,906	0,656	0,001	1,094	3,938
10-02-2008	22:57:55	471056,531	0,625	0,001	1,042	3,750
10-02-2008	23:07:55	471057,344	0,813	0,001	1,354	4,875
10-02-2008	23:17:55	471058,125	0,781	0,001	1,302	4,688
10-02-2008	23:27:55	471058,844	0,719	0,001	1,198	4,313
10-02-2008	23:37:55	471059,781	0,938	0,002	1,563	5,625
10-02-2008	23:47:55	471060,406	0,625	0,001	1,042	3,750
10-02-2008	23:57:55	471061,188	0,781	0,001	1,302	4,688
11-02-2008	00:00:13	471061,344	0,156	0,001	1,132	4,076

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	471061,344				
11-02-2008	00:07:55	471062,063	0,719	0,002	1,556	5,601
11-02-2008	00:17:55	471062,875	0,813	0,001	1,354	4,875
11-02-2008	00:27:55	471063,719	0,844	0,001	1,406	5,063
11-02-2008	00:37:55	471064,531	0,813	0,001	1,354	4,875
11-02-2008	00:47:55	471065,219	0,688	0,001	1,146	4,125
11-02-2008	00:57:55	471065,813	0,594	0,001	0,990	3,563
11-02-2008	01:07:55	471066,625	0,813	0,001	1,354	4,875
11-02-2008	01:17:55	471067,469	0,844	0,001	1,406	5,063
11-02-2008	01:27:55	471068,250	0,781	0,001	1,302	4,688
11-02-2008	01:37:55	471069,063	0,813	0,001	1,354	4,875
11-02-2008	01:47:55	471069,813	0,750	0,001	1,250	4,500
11-02-2008	01:57:55	471070,656	0,844	0,001	1,406	5,063
11-02-2008	02:07:55	471071,438	0,781	0,001	1,302	4,688
11-02-2008	02:17:55	471072,188	0,750	0,001	1,250	4,500
11-02-2008	02:27:56	471073,094	0,906	0,002	1,510	5,438
11-02-2008	02:37:56	471073,719	0,625	0,001	1,042	3,750
11-02-2008	02:47:56	471074,594	0,875	0,001	1,458	5,250
11-02-2008	02:57:56	471075,281	0,688	0,001	1,146	4,125
11-02-2008	03:07:56	471076,031	0,750	0,001	1,250	4,500
11-02-2008	03:17:56	471076,906	0,875	0,001	1,458	5,250
11-02-2008	03:27:56	471077,625	0,719	0,001	1,198	4,313
11-02-2008	03:37:56	471078,469	0,844	0,001	1,406	5,063
11-02-2008	03:47:56	471079,063	0,594	0,001	0,990	3,563
11-02-2008	03:57:56	471079,938	0,875	0,001	1,458	5,250
11-02-2008	04:07:56	471080,594	0,656	0,001	1,094	3,938
11-02-2008	04:17:56	471081,344	0,750	0,001	1,250	4,500
11-02-2008	04:27:56	471082,188	0,844	0,001	1,406	5,063
11-02-2008	04:37:56	471082,969	0,781	0,001	1,302	4,688
11-02-2008	04:47:56	471084,000	1,031	0,002	1,719	6,188
11-02-2008	04:57:56	471084,688	0,688	0,001	1,146	4,125
11-02-2008	05:07:56	471085,531	0,844	0,001	1,406	5,063
11-02-2008	05:17:56	471086,406	0,875	0,001	1,458	5,250
11-02-2008	05:27:56	471087,188	0,781	0,001	1,302	4,688
11-02-2008	05:37:56	471088,375	1,188	0,002	1,979	7,125
11-02-2008	05:47:56	471089,313	0,938	0,002	1,563	5,625
11-02-2008	05:57:56	471090,219	0,906	0,002	1,510	5,438
11-02-2008	06:07:56	471091,188	0,969	0,002	1,615	5,813
11-02-2008	06:17:56	471092,000	0,813	0,001	1,354	4,875
11-02-2008	06:27:56	471092,938	0,938	0,002	1,563	5,625
11-02-2008	06:37:56	471094,031	1,094	0,002	1,823	6,563
11-02-2008	06:47:56	471095,125	1,094	0,002	1,823	6,563
11-02-2008	06:57:56	471096,000	0,875	0,001	1,458	5,250
11-02-2008	07:07:56	471096,938	0,938	0,002	1,563	5,625
11-02-2008	07:17:56	471097,938	1,000	0,002	1,667	6,000
11-02-2008	07:27:56	471099,063	1,125	0,002	1,875	6,750
11-02-2008	07:37:57	471100,281	1,219	0,002	2,031	7,313
11-02-2008	07:47:57	471101,250	0,969	0,002	1,615	5,813
11-02-2008	07:57:57	471102,250	1,000	0,002	1,667	6,000
11-02-2008	08:07:57	471103,344	1,094	0,002	1,823	6,563
11-02-2008	08:17:57	471104,469	1,125	0,002	1,875	6,750
11-02-2008	08:27:57	471105,594	1,125	0,002	1,875	6,750

11-02-2008	08:37:57	471106,688	1,094	0,002	1,823	6,563
11-02-2008	08:47:57	471107,688	1,000	0,002	1,667	6,000
11-02-2008	08:57:57	471108,906	1,219	0,002	2,031	7,313
11-02-2008	09:07:57	471109,875	0,969	0,002	1,615	5,813
11-02-2008	09:17:57	471111,031	1,156	0,002	1,927	6,938
11-02-2008	09:27:57	471112,000	0,969	0,002	1,615	5,813
11-02-2008	09:37:57	471113,063	1,063	0,002	1,771	6,375
11-02-2008	09:47:57	471114,094	1,031	0,002	1,719	6,188
11-02-2008	09:57:57	471115,219	1,125	0,002	1,875	6,750
11-02-2008	10:07:57	471116,344	1,125	0,002	1,875	6,750
11-02-2008	10:17:57	471117,344	1,000	0,002	1,667	6,000
11-02-2008	10:27:57	471118,219	0,875	0,001	1,458	5,250
11-02-2008	10:37:57	471119,344	1,125	0,002	1,875	6,750
11-02-2008	10:47:57	471120,219	0,875	0,001	1,458	5,250
11-02-2008	10:57:57	471121,250	1,031	0,002	1,719	6,188
11-02-2008	11:07:57	471122,375	1,125	0,002	1,875	6,750
11-02-2008	11:17:57	471123,344	0,969	0,002	1,615	5,813
11-02-2008	11:27:57	471124,469	1,125	0,002	1,875	6,750
11-02-2008	11:37:57	471125,594	1,125	0,002	1,875	6,750
11-02-2008	11:47:57	471126,469	0,875	0,001	1,458	5,250
11-02-2008	11:57:57	471127,531	1,063	0,002	1,771	6,375
11-02-2008	12:07:57	471128,563	1,031	0,002	1,719	6,188
11-02-2008	12:17:57	471129,313	0,750	0,001	1,250	4,500
11-02-2008	12:27:57	471130,188	0,875	0,001	1,458	5,250
11-02-2008	12:37:57	471131,031	0,844	0,001	1,406	5,063
11-02-2008	12:47:57	471131,813	0,781	0,001	1,302	4,688
11-02-2008	12:57:57	471132,719	0,906	0,002	1,510	5,438
11-02-2008	13:07:57	471133,469	0,750	0,001	1,250	4,500
11-02-2008	13:17:57	471134,375	0,906	0,002	1,510	5,438
11-02-2008	13:27:57	471135,188	0,813	0,001	1,354	4,875
11-02-2008	13:37:57	471136,063	0,875	0,001	1,458	5,250
11-02-2008	13:47:57	471136,844	0,781	0,001	1,302	4,688
11-02-2008	13:57:57	471137,625	0,781	0,001	1,302	4,688
11-02-2008	14:07:58	471138,719	1,094	0,002	1,823	6,563
11-02-2008	14:17:58	471139,375	0,656	0,001	1,094	3,938
11-02-2008	14:27:58	471140,344	0,969	0,002	1,615	5,813
11-02-2008	14:37:58	471141,375	1,031	0,002	1,719	6,188
11-02-2008	14:47:58	471142,531	1,156	0,002	1,927	6,938
11-02-2008	14:57:58	471143,219	0,688	0,001	1,146	4,125
11-02-2008	15:07:58	471144,125	0,906	0,002	1,510	5,438
11-02-2008	15:17:58	471145,000	0,875	0,001	1,458	5,250
11-02-2008	15:27:58	471145,969	0,969	0,002	1,615	5,813
11-02-2008	15:37:58	471146,844	0,875	0,001	1,458	5,250
11-02-2008	15:47:58	471147,750	0,906	0,002	1,510	5,438
11-02-2008	15:57:58	471148,813	1,063	0,002	1,771	6,375
11-02-2008	16:07:58	471149,844	1,031	0,002	1,719	6,188
11-02-2008	16:17:58	471150,719	0,875	0,001	1,458	5,250
11-02-2008	16:27:58	471151,625	0,906	0,002	1,510	5,438
11-02-2008	16:37:58	471152,594	0,969	0,002	1,615	5,813
11-02-2008	16:47:58	471153,406	0,813	0,001	1,354	4,875
11-02-2008	16:57:58	471154,281	0,875	0,001	1,458	5,250
11-02-2008	17:07:58	471155,188	0,906	0,002	1,510	5,438
11-02-2008	17:17:58	471156,125	0,938	0,002	1,563	5,625
11-02-2008	17:27:58	471157,250	1,125	0,002	1,875	6,750
11-02-2008	17:37:58	471158,219	0,969	0,002	1,615	5,813

11-02-2008	17:47:58	471159,063	0,844	0,001	1,406	5,063
11-02-2008	17:57:58	471160,156	1,094	0,002	1,823	6,563
11-02-2008	18:07:58	471161,250	1,094	0,002	1,823	6,563
11-02-2008	18:17:58	471162,000	0,750	0,001	1,250	4,500
11-02-2008	18:27:58	471163,344	1,344	0,002	2,240	8,063
11-02-2008	18:37:58	471164,563	1,219	0,002	2,031	7,313
11-02-2008	18:50:08	471165,625	1,063	0,001	1,455	5,240
11-02-2008	19:00:08	471167,156	1,531	0,003	2,552	9,188
11-02-2008	19:10:08	471168,188	1,031	0,002	1,719	6,188
11-02-2008	19:20:08	471169,188	1,000	0,002	1,667	6,000
11-02-2008	19:30:08	471170,188	1,000	0,002	1,667	6,000
11-02-2008	19:40:35	471171,250	1,063	0,002	1,771	6,375
11-02-2008	19:51:37	471172,156	0,906	0,001	1,369	4,928
11-02-2008	20:01:37	471173,156	1,000	0,002	1,667	6,000
11-02-2008	20:11:37	471174,219	1,063	0,002	1,771	6,375
11-02-2008	20:21:37	471175,094	0,875	0,001	1,458	5,250
11-02-2008	20:31:37	471176,188	1,094	0,002	1,823	6,563
11-02-2008	20:41:37	471176,844	0,656	0,001	1,094	3,938
11-02-2008	20:51:37	471177,656	0,813	0,001	1,354	4,875
11-02-2008	21:01:37	471178,594	0,938	0,002	1,563	5,625
11-02-2008	21:11:37	471179,344	0,750	0,001	1,250	4,500
11-02-2008	21:21:37	471180,188	0,844	0,001	1,406	5,063
11-02-2008	21:31:38	471181,125	0,938	0,002	1,563	5,625
11-02-2008	21:41:38	471181,781	0,656	0,001	1,094	3,938
11-02-2008	21:51:38	471182,656	0,875	0,001	1,458	5,250
11-02-2008	22:01:38	471183,313	0,656	0,001	1,094	3,938
11-02-2008	22:11:38	471184,250	0,938	0,002	1,563	5,625
11-02-2008	22:21:38	471185,000	0,750	0,001	1,250	4,500
11-02-2008	22:31:38	471185,844	0,844	0,001	1,406	5,063
11-02-2008	22:41:38	471186,688	0,844	0,001	1,406	5,063
11-02-2008	22:51:38	471187,438	0,750	0,001	1,250	4,500
11-02-2008	23:01:38	471188,281	0,844	0,001	1,406	5,063
11-02-2008	23:11:38	471189,031	0,750	0,001	1,250	4,500
11-02-2008	23:21:38	471189,844	0,813	0,001	1,354	4,875
11-02-2008	23:31:38	471190,719	0,875	0,001	1,458	5,250
11-02-2008	23:41:38	471191,688	0,969	0,002	1,615	5,813
11-02-2008	23:51:38	471192,375	0,688	0,001	1,146	4,125
12-02-2008	00:00:04	471193,156	0,781	0,001	1,302	4,688

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	471193,156				
12-02-2008	00:01:38	471193,156	0,000	0,000	0,000	0,000
12-02-2008	00:11:38	471194,000	0,844	0,001	1,406	5,063
12-02-2008	00:21:38	471195,125	1,125	0,002	1,875	6,750
12-02-2008	00:31:38	471195,906	0,781	0,001	1,302	4,688
12-02-2008	00:41:38	471196,594	0,688	0,001	1,146	4,125
12-02-2008	00:51:38	471197,375	0,781	0,001	1,302	4,688
12-02-2008	01:01:38	471198,125	0,750	0,001	1,250	4,500
12-02-2008	01:11:38	471198,781	0,656	0,001	1,094	3,938
12-02-2008	01:21:38	471199,563	0,781	0,001	1,302	4,688
12-02-2008	01:31:38	471200,438	0,875	0,001	1,458	5,250
12-02-2008	01:41:38	471201,281	0,844	0,001	1,406	5,063
12-02-2008	01:51:38	471202,219	0,938	0,002	1,563	5,625
12-02-2008	02:01:38	471202,938	0,719	0,001	1,198	4,313
12-02-2008	02:11:38	471203,844	0,906	0,002	1,510	5,438
12-02-2008	02:21:38	471204,594	0,750	0,001	1,250	4,500
12-02-2008	02:31:39	471205,469	0,875	0,001	1,458	5,250
12-02-2008	02:41:39	471206,344	0,875	0,001	1,458	5,250
12-02-2008	02:51:39	471207,281	0,938	0,002	1,563	5,625
12-02-2008	03:01:39	471208,094	0,813	0,001	1,354	4,875
12-02-2008	03:11:39	471209,188	1,094	0,002	1,823	6,563
12-02-2008	03:21:39	471210,156	0,969	0,002	1,615	5,813
12-02-2008	03:31:39	471211,063	0,906	0,002	1,510	5,438
12-02-2008	03:41:39	471211,969	0,906	0,002	1,510	5,438
12-02-2008	03:51:39	471212,875	0,906	0,002	1,510	5,438
12-02-2008	04:01:39	471213,938	1,063	0,002	1,771	6,375
12-02-2008	04:11:39	471214,875	0,938	0,002	1,563	5,625
12-02-2008	04:21:39	471215,844	0,969	0,002	1,615	5,813
12-02-2008	04:31:39	471216,813	0,969	0,002	1,615	5,813
12-02-2008	04:41:39	471217,750	0,938	0,002	1,563	5,625
12-02-2008	04:51:39	471218,750	1,000	0,002	1,667	6,000
12-02-2008	05:01:39	471219,813	1,063	0,002	1,771	6,375
12-02-2008	05:11:39	471220,563	0,750	0,001	1,250	4,500
12-02-2008	05:21:39	471221,656	1,094	0,002	1,823	6,563
12-02-2008	05:31:39	471222,844	1,188	0,002	1,979	7,125
12-02-2008	05:41:40	471223,906	1,063	0,002	1,771	6,375
12-02-2008	05:51:40	471224,938	1,031	0,002	1,719	6,188
12-02-2008	06:01:40	471225,719	0,781	0,001	1,302	4,688
12-02-2008	06:11:40	471226,938	1,219	0,002	2,031	7,313
12-02-2008	06:21:40	471227,750	0,813	0,001	1,354	4,875
12-02-2008	06:31:40	471228,781	1,031	0,002	1,719	6,188
12-02-2008	06:41:40	471230,031	1,250	0,002	2,083	7,500
12-02-2008	06:51:40	471231,031	1,000	0,002	1,667	6,000
12-02-2008	07:01:40	471232,000	0,969	0,002	1,615	5,813
12-02-2008	07:11:40	471233,125	1,125	0,002	1,875	6,750
12-02-2008	07:21:40	471234,156	1,031	0,002	1,719	6,188
12-02-2008	07:31:40	471235,219	1,063	0,002	1,771	6,375
12-02-2008	07:41:40	471236,219	1,000	0,002	1,667	6,000
12-02-2008	07:51:40	471237,281	1,063	0,002	1,771	6,375

12-02-2008	08:01:40	471238,406	1,125	0,002	1,875	6,750
12-02-2008	08:11:40	471239,375	0,969	0,002	1,615	5,813
12-02-2008	08:21:40	471240,250	0,875	0,001	1,458	5,250
12-02-2008	08:31:40	471241,188	0,938	0,002	1,563	5,625
12-02-2008	08:41:40	471242,188	1,000	0,002	1,667	6,000
12-02-2008	08:51:40	471243,219	1,031	0,002	1,719	6,188
12-02-2008	09:01:40	471244,281	1,063	0,002	1,771	6,375
12-02-2008	09:11:40	471245,219	0,938	0,002	1,563	5,625
12-02-2008	09:21:40	471246,250	1,031	0,002	1,719	6,188
12-02-2008	09:31:40	471247,469	1,219	0,002	2,031	7,313
12-02-2008	09:41:40	471248,563	1,094	0,002	1,823	6,563
12-02-2008	09:51:40	471249,875	1,313	0,002	2,188	7,875
12-02-2008	10:01:40	471251,094	1,219	0,002	2,031	7,313
12-02-2008	10:11:40	471252,219	1,125	0,002	1,875	6,750
12-02-2008	10:21:40	471253,438	1,219	0,002	2,031	7,313
12-02-2008	10:31:40	471254,406	0,969	0,002	1,615	5,813
12-02-2008	10:41:40	471255,563	1,156	0,002	1,927	6,938
12-02-2008	10:51:40	471256,469	0,906	0,002	1,510	5,438
12-02-2008	11:01:40	471257,563	1,094	0,002	1,823	6,563
12-02-2008	11:11:40	471258,563	1,000	0,002	1,667	6,000
12-02-2008	11:21:40	471259,625	1,063	0,002	1,771	6,375
12-02-2008	11:31:40	471260,781	1,156	0,002	1,927	6,938
12-02-2008	11:41:41	471261,625	0,844	0,001	1,406	5,063
12-02-2008	11:51:41	471262,594	0,969	0,002	1,615	5,813
12-02-2008	12:01:41	471263,625	1,031	0,002	1,719	6,188
12-02-2008	12:11:41	471264,531	0,906	0,002	1,510	5,438
12-02-2008	12:21:41	471265,313	0,781	0,001	1,302	4,688
12-02-2008	12:31:41	471266,156	0,844	0,001	1,406	5,063
12-02-2008	12:41:41	471267,094	0,938	0,002	1,563	5,625
12-02-2008	12:51:41	471267,813	0,719	0,001	1,198	4,313
12-02-2008	13:01:41	471268,656	0,844	0,001	1,406	5,063
12-02-2008	13:11:41	471269,469	0,813	0,001	1,354	4,875
12-02-2008	13:21:41	471270,188	0,719	0,001	1,198	4,313
12-02-2008	13:31:41	471271,063	0,875	0,001	1,458	5,250
12-02-2008	13:41:41	471271,656	0,594	0,001	0,990	3,563
12-02-2008	13:51:41	471272,281	0,625	0,001	1,042	3,750
12-02-2008	14:01:41	471273,031	0,750	0,001	1,250	4,500
12-02-2008	14:11:41	471273,813	0,781	0,001	1,302	4,688
12-02-2008	14:21:41	471274,563	0,750	0,001	1,250	4,500
12-02-2008	14:31:41	471275,469	0,906	0,002	1,510	5,438
12-02-2008	14:41:41	471276,094	0,625	0,001	1,042	3,750
12-02-2008	14:51:41	471276,875	0,781	0,001	1,302	4,688
12-02-2008	15:01:41	471277,875	1,000	0,002	1,667	6,000
12-02-2008	15:11:41	471278,563	0,688	0,001	1,146	4,125
12-02-2008	15:21:41	471279,625	1,063	0,002	1,771	6,375
12-02-2008	15:31:41	471280,531	0,906	0,002	1,510	5,438
12-02-2008	15:41:41	471281,125	0,594	0,001	0,990	3,563
12-02-2008	15:51:41	471281,813	0,688	0,001	1,146	4,125
12-02-2008	16:01:41	471282,875	1,063	0,002	1,771	6,375
12-02-2008	16:11:41	471283,719	0,844	0,001	1,406	5,063
12-02-2008	16:21:41	471284,469	0,750	0,001	1,250	4,500
12-02-2008	16:31:41	471285,469	1,000	0,002	1,667	6,000
12-02-2008	16:41:41	471286,219	0,750	0,001	1,250	4,500
12-02-2008	16:51:42	471287,250	1,031	0,002	1,719	6,188
12-02-2008	17:01:42	471288,188	0,938	0,002	1,563	5,625

12-02-2008	17:11:42	471289,281	1,094	0,002	1,823	6,563
12-02-2008	17:21:42	471290,344	1,063	0,002	1,771	6,375
12-02-2008	17:31:42	471291,063	0,719	0,001	1,198	4,313
12-02-2008	17:41:42	471292,156	1,094	0,002	1,823	6,563
12-02-2008	17:51:42	471293,375	1,219	0,002	2,031	7,313
12-02-2008	18:01:42	471294,094	0,719	0,001	1,198	4,313
12-02-2008	18:11:42	471295,063	0,969	0,002	1,615	5,813
12-02-2008	18:21:42	471296,125	1,063	0,002	1,771	6,375
12-02-2008	18:31:42	471297,156	1,031	0,002	1,719	6,188
12-02-2008	18:41:42	471298,344	1,188	0,002	1,979	7,125
12-02-2008	18:51:42	471299,375	1,031	0,002	1,719	6,188
12-02-2008	19:01:42	471300,125	0,750	0,001	1,250	4,500
12-02-2008	19:11:42	471301,313	1,188	0,002	1,979	7,125
12-02-2008	19:21:42	471302,313	1,000	0,002	1,667	6,000
12-02-2008	19:31:42	471303,250	0,938	0,002	1,563	5,625
12-02-2008	19:41:42	471304,281	1,031	0,002	1,719	6,188
12-02-2008	19:51:42	471305,031	0,750	0,001	1,250	4,500
12-02-2008	20:01:42	471306,156	1,125	0,002	1,875	6,750
12-02-2008	20:11:42	471306,938	0,781	0,001	1,302	4,688
12-02-2008	20:21:42	471307,563	0,625	0,001	1,042	3,750
12-02-2008	20:31:42	471308,406	0,844	0,001	1,406	5,063
12-02-2008	20:41:42	471309,188	0,781	0,001	1,302	4,688
12-02-2008	20:51:42	471310,094	0,906	0,002	1,510	5,438
12-02-2008	21:01:42	471310,906	0,813	0,001	1,354	4,875
12-02-2008	21:11:42	471311,719	0,813	0,001	1,354	4,875
12-02-2008	21:21:42	471312,594	0,875	0,001	1,458	5,250
12-02-2008	21:31:43	471313,438	0,844	0,001	1,406	5,063
12-02-2008	21:41:43	471314,188	0,750	0,001	1,250	4,500
12-02-2008	21:51:43	471314,781	0,594	0,001	0,990	3,563
12-02-2008	22:01:43	471315,563	0,781	0,001	1,302	4,688
12-02-2008	22:11:43	471316,156	0,594	0,001	0,990	3,563
12-02-2008	22:21:43	471317,031	0,875	0,001	1,458	5,250
12-02-2008	22:31:43	471317,813	0,781	0,001	1,302	4,688
12-02-2008	22:41:43	471318,344	0,531	0,001	0,885	3,188
12-02-2008	22:51:43	471319,156	0,813	0,001	1,354	4,875
12-02-2008	23:01:43	471319,813	0,656	0,001	1,094	3,938
12-02-2008	23:11:43	471320,625	0,813	0,001	1,354	4,875
12-02-2008	23:21:43	471321,313	0,688	0,001	1,146	4,125
12-02-2008	23:31:43	471322,125	0,813	0,001	1,354	4,875
12-02-2008	23:41:43	471322,781	0,656	0,001	1,094	3,938
12-02-2008	23:51:43	471323,406	0,625	0,001	1,042	3,750
13-02-2008	00:00:24	471324,094	0,688	0,001	1,320	4,750

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	471324,094				
13-02-2008	00:01:43	471324,313	0,219	0,003	2,769	9,968
13-02-2008	00:11:43	471325,063	0,750	0,001	1,250	4,500
13-02-2008	00:21:43	471325,844	0,781	0,001	1,302	4,688
13-02-2008	00:31:43	471326,625	0,781	0,001	1,302	4,688
13-02-2008	00:41:43	471327,500	0,875	0,001	1,458	5,250
13-02-2008	00:51:43	471328,156	0,656	0,001	1,094	3,938
13-02-2008	01:01:43	471328,969	0,813	0,001	1,354	4,875
13-02-2008	01:11:43	471329,875	0,906	0,002	1,510	5,438
13-02-2008	01:21:43	471330,719	0,844	0,001	1,406	5,063
13-02-2008	01:31:43	471331,531	0,813	0,001	1,354	4,875
13-02-2008	01:41:43	471332,438	0,906	0,002	1,510	5,438
13-02-2008	01:51:43	471333,281	0,844	0,001	1,406	5,063
13-02-2008	02:01:43	471334,188	0,906	0,002	1,510	5,438
13-02-2008	02:11:43	471335,094	0,906	0,002	1,510	5,438
13-02-2008	02:21:43	471335,938	0,844	0,001	1,406	5,063
13-02-2008	02:31:43	471337,000	1,063	0,002	1,771	6,375
13-02-2008	02:41:43	471337,656	0,656	0,001	1,094	3,938
13-02-2008	02:51:43	471338,531	0,875	0,001	1,458	5,250
13-02-2008	03:01:43	471339,625	1,094	0,002	1,823	6,563
13-02-2008	03:11:43	471340,938	1,313	0,002	2,188	7,875
13-02-2008	03:21:43	471341,500	0,563	0,001	0,938	3,375
13-02-2008	03:31:43	471342,438	0,938	0,002	1,563	5,625
13-02-2008	03:41:43	471343,531	1,094	0,002	1,823	6,563
13-02-2008	03:51:43	471344,406	0,875	0,001	1,458	5,250
13-02-2008	04:01:43	471345,094	0,688	0,001	1,146	4,125
13-02-2008	04:11:43	471346,188	1,094	0,002	1,823	6,563
13-02-2008	04:21:43	471347,219	1,031	0,002	1,719	6,188
13-02-2008	04:31:43	471347,938	0,719	0,001	1,198	4,313
13-02-2008	04:41:43	471349,000	1,063	0,002	1,771	6,375
13-02-2008	04:51:43	471349,906	0,906	0,002	1,510	5,438
13-02-2008	05:01:43	471350,969	1,063	0,002	1,771	6,375
13-02-2008	05:11:43	471352,031	1,063	0,002	1,771	6,375
13-02-2008	05:21:43	471353,188	1,156	0,002	1,927	6,938
13-02-2008	05:31:44	471354,125	0,938	0,002	1,563	5,625
13-02-2008	05:41:44	471355,156	1,031	0,002	1,719	6,188
13-02-2008	05:51:44	471356,344	1,188	0,002	1,979	7,125
13-02-2008	06:01:44	471357,250	0,906	0,002	1,510	5,438
13-02-2008	06:11:44	471358,344	1,094	0,002	1,823	6,563
13-02-2008	06:21:44	471359,438	1,094	0,002	1,823	6,563
13-02-2008	06:31:44	471360,563	1,125	0,002	1,875	6,750
13-02-2008	06:41:44	471361,531	0,969	0,002	1,615	5,813
13-02-2008	06:51:44	471362,688	1,156	0,002	1,927	6,938
13-02-2008	07:01:44	471363,906	1,219	0,002	2,031	7,313
13-02-2008	07:11:44	471364,844	0,938	0,002	1,563	5,625
13-02-2008	07:21:44	471366,063	1,219	0,002	2,031	7,313
13-02-2008	07:31:44	471367,281	1,219	0,002	2,031	7,313
13-02-2008	07:41:44	471368,375	1,094	0,002	1,823	6,563
13-02-2008	07:51:44	471369,625	1,250	0,002	2,083	7,500
13-02-2008	08:01:44	471370,625	1,000	0,002	1,667	6,000

13-02-2008	08:11:44	471371,875	1,250	0,002	2,083	7,500
13-02-2008	08:21:44	471373,094	1,219	0,002	2,031	7,313
13-02-2008	08:31:44	471374,344	1,250	0,002	2,083	7,500
13-02-2008	08:41:44	471375,500	1,156	0,002	1,927	6,938
13-02-2008	08:51:44	471376,594	1,094	0,002	1,823	6,563
13-02-2008	09:01:44	471377,844	1,250	0,002	2,083	7,500
13-02-2008	09:11:44	471379,281	1,438	0,002	2,396	8,625
13-02-2008	09:21:44	471380,344	1,063	0,002	1,771	6,375
13-02-2008	09:31:44	471381,531	1,188	0,002	1,979	7,125
13-02-2008	09:41:44	471382,781	1,250	0,002	2,083	7,500
13-02-2008	09:51:44	471383,875	1,094	0,002	1,823	6,563
13-02-2008	10:01:44	471385,063	1,188	0,002	1,979	7,125
13-02-2008	10:11:44	471385,969	0,906	0,002	1,510	5,438
13-02-2008	10:21:44	471386,625	0,656	0,001	1,094	3,938
13-02-2008	10:31:44	471387,219	0,594	0,001	0,990	3,563
13-02-2008	10:41:44	471388,000	0,781	0,001	1,302	4,688
13-02-2008	10:51:45	471388,750	0,750	0,001	1,250	4,500
13-02-2008	11:01:45	471389,344	0,594	0,001	0,990	3,563
13-02-2008	11:11:45	471390,000	0,656	0,001	1,094	3,938
13-02-2008	11:21:45	471391,094	1,094	0,002	1,823	6,563
13-02-2008	11:31:45	471391,625	0,531	0,001	0,885	3,188
13-02-2008	11:41:45	471392,375	0,750	0,001	1,250	4,500
13-02-2008	11:51:45	471393,000	0,625	0,001	1,042	3,750
13-02-2008	12:01:45	471393,813	0,813	0,001	1,354	4,875
13-02-2008	12:11:45	471394,438	0,625	0,001	1,042	3,750
13-02-2008	12:22:05	471395,219	0,781	0,001	1,302	4,688
13-02-2008	12:32:49	471396,000	0,781	0,001	1,302	4,688
13-02-2008	12:42:50	471396,469	0,469	0,001	0,781	2,813
13-02-2008	12:52:50	471397,188	0,719	0,001	1,198	4,313
13-02-2008	13:02:50	471397,750	0,563	0,001	0,938	3,375
13-02-2008	13:12:50	471398,406	0,656	0,001	1,094	3,938
13-02-2008	13:22:50	471399,000	0,594	0,001	0,990	3,563
13-02-2008	13:32:50	471399,563	0,563	0,001	0,938	3,375
13-02-2008	13:42:50	471400,125	0,563	0,001	0,938	3,375
13-02-2008	13:52:50	471400,719	0,594	0,001	0,990	3,563
13-02-2008	14:02:50	471401,250	0,531	0,001	0,885	3,188
13-02-2008	14:12:50	471401,844	0,594	0,001	0,990	3,563
13-02-2008	14:22:50	471402,688	0,844	0,001	1,406	5,063
13-02-2008	14:32:50	471403,469	0,781	0,001	1,302	4,688
13-02-2008	14:42:50	471404,000	0,531	0,001	0,885	3,188
13-02-2008	14:52:50	471404,688	0,688	0,001	1,146	4,125
13-02-2008	15:02:50	471405,219	0,531	0,001	0,885	3,188
13-02-2008	15:12:50	471405,813	0,594	0,001	0,990	3,563
13-02-2008	15:22:50	471406,375	0,563	0,001	0,938	3,375
13-02-2008	15:32:50	471406,969	0,594	0,001	0,990	3,563
13-02-2008	15:42:50	471407,688	0,719	0,001	1,198	4,313
13-02-2008	15:52:50	471408,281	0,594	0,001	0,990	3,563
13-02-2008	16:02:50	471408,750	0,469	0,001	0,781	2,813
13-02-2008	16:12:50	471409,438	0,688	0,001	1,146	4,125
13-02-2008	16:22:50	471410,031	0,594	0,001	0,990	3,563
13-02-2008	16:32:50	471410,688	0,656	0,001	1,094	3,938
13-02-2008	16:42:50	471411,438	0,750	0,001	1,250	4,500
13-02-2008	16:52:50	471412,063	0,625	0,001	1,042	3,750
13-02-2008	17:02:50	471412,938	0,875	0,001	1,458	5,250
13-02-2008	17:12:50	471413,594	0,656	0,001	1,094	3,938

13-02-2008	17:22:51	471414,469	0,875	0,001	1,458	5,250
13-02-2008	17:32:51	471415,313	0,844	0,001	1,406	5,063
13-02-2008	17:42:51	471416,188	0,875	0,001	1,458	5,250
13-02-2008	17:52:51	471417,031	0,844	0,001	1,406	5,063
13-02-2008	18:02:51	471417,969	0,938	0,002	1,563	5,625
13-02-2008	18:12:51	471418,875	0,906	0,002	1,510	5,438
13-02-2008	18:22:51	471419,688	0,813	0,001	1,354	4,875
13-02-2008	18:32:51	471420,531	0,844	0,001	1,406	5,063
13-02-2008	18:42:51	471421,438	0,906	0,002	1,510	5,438
13-02-2008	18:52:51	471422,469	1,031	0,002	1,719	6,188
13-02-2008	19:02:51	471423,625	1,156	0,002	1,927	6,938
13-02-2008	19:12:51	471424,531	0,906	0,002	1,510	5,438
13-02-2008	19:22:51	471425,563	1,031	0,002	1,719	6,188
13-02-2008	19:32:51	471426,469	0,906	0,002	1,510	5,438
13-02-2008	19:42:51	471427,188	0,719	0,001	1,198	4,313
13-02-2008	19:52:51	471428,188	1,000	0,002	1,667	6,000
13-02-2008	20:02:51	471429,063	0,875	0,001	1,458	5,250
13-02-2008	20:12:51	471430,063	1,000	0,002	1,667	6,000
13-02-2008	20:22:51	471430,906	0,844	0,001	1,406	5,063
13-02-2008	20:32:51	471431,656	0,750	0,001	1,250	4,500
13-02-2008	20:42:51	471432,406	0,750	0,001	1,250	4,500
13-02-2008	20:52:51	471433,094	0,688	0,001	1,146	4,125
13-02-2008	21:02:51	471433,844	0,750	0,001	1,250	4,500
13-02-2008	21:12:51	471434,656	0,813	0,001	1,354	4,875
13-02-2008	21:22:51	471435,469	0,813	0,001	1,354	4,875
13-02-2008	21:32:51	471436,188	0,719	0,001	1,198	4,313
13-02-2008	21:42:51	471436,781	0,594	0,001	0,990	3,563
13-02-2008	21:52:51	471437,406	0,625	0,001	1,042	3,750
13-02-2008	22:02:51	471438,281	0,875	0,001	1,458	5,250
13-02-2008	22:12:51	471439,031	0,750	0,001	1,250	4,500
13-02-2008	22:22:51	471439,750	0,719	0,001	1,198	4,313
13-02-2008	22:32:52	471440,469	0,719	0,001	1,198	4,313
13-02-2008	22:42:52	471441,156	0,688	0,001	1,146	4,125
13-02-2008	22:52:52	471441,969	0,813	0,001	1,354	4,875
13-02-2008	23:02:52	471442,625	0,656	0,001	1,094	3,938
13-02-2008	23:12:52	471443,344	0,719	0,001	1,198	4,313
13-02-2008	23:22:52	471444,063	0,719	0,001	1,198	4,313
13-02-2008	23:32:52	471444,688	0,625	0,001	1,042	3,750
13-02-2008	23:42:52	471445,313	0,625	0,001	1,042	3,750
13-02-2008	23:52:52	471446,063	0,750	0,001	1,250	4,500
14-02-2008	00:00:13	471446,625	0,563	0,001	1,276	4,592

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:14	471446,625				
14-02-2008	00:02:52	471446,813	0,188	0,001	1,187	4,272
14-02-2008	00:12:52	471447,563	0,750	0,001	1,250	4,500
14-02-2008	00:22:52	471448,313	0,750	0,001	1,250	4,500
14-02-2008	00:32:52	471449,000	0,688	0,001	1,146	4,125
14-02-2008	00:42:52	471449,750	0,750	0,001	1,250	4,500
14-02-2008	00:52:52	471450,469	0,719	0,001	1,198	4,313
14-02-2008	01:02:52	471451,156	0,688	0,001	1,146	4,125
14-02-2008	01:12:52	471451,906	0,750	0,001	1,250	4,500
14-02-2008	01:22:53	471452,719	0,813	0,001	1,354	4,875
14-02-2008	01:32:53	471453,563	0,844	0,001	1,406	5,063
14-02-2008	01:42:53	471454,406	0,844	0,001	1,406	5,063
14-02-2008	01:52:53	471455,344	0,938	0,002	1,563	5,625
14-02-2008	02:02:53	471456,063	0,719	0,001	1,198	4,313
14-02-2008	02:12:53	471456,938	0,875	0,001	1,458	5,250
14-02-2008	02:22:53	471457,844	0,906	0,002	1,510	5,438
14-02-2008	02:32:53	471458,719	0,875	0,001	1,458	5,250
14-02-2008	02:42:53	471459,688	0,969	0,002	1,615	5,813
14-02-2008	02:52:53	471460,688	1,000	0,002	1,667	6,000
14-02-2008	03:02:53	471461,688	1,000	0,002	1,667	6,000
14-02-2008	03:12:53	471462,469	0,781	0,001	1,302	4,688
14-02-2008	03:22:54	471463,313	0,844	0,001	1,406	5,063
14-02-2008	03:32:54	471464,344	1,031	0,002	1,719	6,188
14-02-2008	03:42:54	471465,313	0,969	0,002	1,615	5,813
14-02-2008	03:52:54	471466,313	1,000	0,002	1,667	6,000
14-02-2008	04:02:54	471467,156	0,844	0,001	1,406	5,063
14-02-2008	04:12:54	471468,219	1,063	0,002	1,771	6,375
14-02-2008	04:22:54	471469,063	0,844	0,001	1,406	5,063
14-02-2008	04:32:54	471469,844	0,781	0,001	1,302	4,688
14-02-2008	04:42:54	471470,781	0,938	0,002	1,563	5,625
14-02-2008	04:52:54	471471,875	1,094	0,002	1,823	6,563
14-02-2008	05:02:54	471472,500	0,625	0,001	1,042	3,750
14-02-2008	05:12:55	471473,406	0,906	0,002	1,510	5,438
14-02-2008	05:22:55	471474,469	1,063	0,002	1,771	6,375
14-02-2008	05:32:55	471475,344	0,875	0,001	1,458	5,250
14-02-2008	05:42:55	471476,344	1,000	0,002	1,667	6,000
14-02-2008	05:52:55	471477,156	0,813	0,001	1,354	4,875
14-02-2008	06:02:55	471478,063	0,906	0,002	1,510	5,438
14-02-2008	06:12:55	471478,969	0,906	0,002	1,510	5,438
14-02-2008	06:22:55	471479,844	0,875	0,001	1,458	5,250
14-02-2008	06:32:55	471480,844	1,000	0,002	1,667	6,000
14-02-2008	06:42:55	471481,781	0,938	0,002	1,563	5,625
14-02-2008	06:52:55	471482,625	0,844	0,001	1,406	5,063
14-02-2008	07:02:55	471483,500	0,875	0,001	1,458	5,250
14-02-2008	07:12:55	471484,375	0,875	0,001	1,458	5,250
14-02-2008	07:22:55	471485,156	0,781	0,001	1,302	4,688
14-02-2008	07:32:56	471486,031	0,875	0,001	1,458	5,250
14-02-2008	07:42:56	471486,813	0,781	0,001	1,302	4,688
14-02-2008	07:52:56	471487,531	0,719	0,001	1,198	4,313
14-02-2008	08:02:56	471488,375	0,844	0,001	1,406	5,063

14-02-2008	08:12:56	471489,219	0,844	0,001	1,406	5,063
14-02-2008	08:22:56	471489,969	0,750	0,001	1,250	4,500
14-02-2008	08:32:56	471490,875	0,906	0,002	1,510	5,438
14-02-2008	08:42:56	471491,625	0,750	0,001	1,250	4,500
14-02-2008	08:52:56	471492,469	0,844	0,001	1,406	5,063
14-02-2008	09:02:56	471493,219	0,750	0,001	1,250	4,500
14-02-2008	09:12:56	471494,094	0,875	0,001	1,458	5,250
14-02-2008	09:22:56	471494,906	0,813	0,001	1,354	4,875
14-02-2008	09:32:56	471496,375	1,469	0,002	2,448	8,813
14-02-2008	09:42:56	471497,750	1,375	0,002	2,292	8,250
14-02-2008	09:52:56	471498,781	1,031	0,002	1,719	6,188
14-02-2008	10:02:56	471500,031	1,250	0,002	2,083	7,500
14-02-2008	10:12:56	471501,656	1,625	0,003	2,708	9,750
14-02-2008	10:22:56	471502,438	0,781	0,001	1,302	4,688
14-02-2008	10:32:56	471503,594	1,156	0,002	1,927	6,938
14-02-2008	10:42:56	471504,781	1,188	0,002	1,979	7,125
14-02-2008	10:52:56	471505,906	1,125	0,002	1,875	6,750
14-02-2008	11:02:56	471506,813	0,906	0,002	1,510	5,438
14-02-2008	11:12:56	471507,656	0,844	0,001	1,406	5,063
14-02-2008	11:22:56	471508,531	0,875	0,001	1,458	5,250
14-02-2008	11:32:56	471509,500	0,969	0,002	1,615	5,813
14-02-2008	11:42:56	471510,406	0,906	0,002	1,510	5,438
14-02-2008	11:52:56	471511,281	0,875	0,001	1,458	5,250
14-02-2008	12:02:56	471512,125	0,844	0,001	1,406	5,063
14-02-2008	12:12:56	471513,094	0,969	0,002	1,615	5,813
14-02-2008	12:22:56	471514,125	1,031	0,002	1,719	6,188
14-02-2008	12:32:56	471514,969	0,844	0,001	1,406	5,063
14-02-2008	12:42:56	471515,531	0,563	0,001	0,938	3,375
14-02-2008	12:52:57	471516,125	0,594	0,001	0,990	3,563
14-02-2008	13:02:57	471516,688	0,563	0,001	0,938	3,375
14-02-2008	13:12:57	471517,344	0,656	0,001	1,094	3,938
14-02-2008	13:22:57	471518,031	0,688	0,001	1,146	4,125
14-02-2008	13:32:57	471518,750	0,719	0,001	1,198	4,313
14-02-2008	13:42:57	471519,438	0,688	0,001	1,146	4,125
14-02-2008	13:52:57	471520,125	0,688	0,001	1,146	4,125
14-02-2008	14:02:57	471520,875	0,750	0,001	1,250	4,500
14-02-2008	14:12:57	471521,656	0,781	0,001	1,302	4,688
14-02-2008	14:22:57	471522,438	0,781	0,001	1,302	4,688
14-02-2008	14:32:57	471523,344	0,906	0,002	1,510	5,438
14-02-2008	14:42:57	471524,031	0,688	0,001	1,146	4,125
14-02-2008	14:52:57	471524,750	0,719	0,001	1,198	4,313
14-02-2008	15:02:57	471525,531	0,781	0,001	1,302	4,688
14-02-2008	15:12:57	471526,313	0,781	0,001	1,302	4,688
14-02-2008	15:22:57	471527,250	0,938	0,002	1,563	5,625
14-02-2008	15:32:57	471528,000	0,750	0,001	1,250	4,500
14-02-2008	15:42:57	471528,688	0,688	0,001	1,146	4,125
14-02-2008	15:52:57	471529,438	0,750	0,001	1,250	4,500
14-02-2008	16:02:57	471530,344	0,906	0,002	1,510	5,438
14-02-2008	16:12:57	471531,094	0,750	0,001	1,250	4,500
14-02-2008	16:22:57	471531,844	0,750	0,001	1,250	4,500
14-02-2008	16:32:57	471532,563	0,719	0,001	1,198	4,313
14-02-2008	16:42:57	471533,375	0,813	0,001	1,354	4,875
14-02-2008	16:52:57	471534,344	0,969	0,002	1,615	5,813
14-02-2008	17:02:57	471535,313	0,969	0,002	1,615	5,813
14-02-2008	17:12:57	471536,156	0,844	0,001	1,406	5,063

14-02-2008	17:22:57	471537,031	0,875	0,001	1,458	5,250
14-02-2008	17:32:57	471537,813	0,781	0,001	1,302	4,688
14-02-2008	17:42:57	471538,750	0,938	0,002	1,563	5,625
14-02-2008	17:52:57	471539,594	0,844	0,001	1,406	5,063
14-02-2008	18:02:57	471540,750	1,156	0,002	1,927	6,938
14-02-2008	18:12:57	471541,781	1,031	0,002	1,719	6,188
14-02-2008	18:22:57	471542,719	0,938	0,002	1,563	5,625
14-02-2008	18:32:57	471543,656	0,938	0,002	1,563	5,625
14-02-2008	18:42:58	471544,844	1,188	0,002	1,979	7,125
14-02-2008	18:52:58	471545,906	1,063	0,002	1,771	6,375
14-02-2008	19:02:58	471546,969	1,063	0,002	1,771	6,375
14-02-2008	19:12:58	471547,781	0,813	0,001	1,354	4,875
14-02-2008	19:22:58	471548,625	0,844	0,001	1,406	5,063
14-02-2008	19:32:58	471549,500	0,875	0,001	1,458	5,250
14-02-2008	19:42:58	471550,250	0,750	0,001	1,250	4,500
14-02-2008	19:52:58	471551,000	0,750	0,001	1,250	4,500
14-02-2008	20:02:58	471552,000	1,000	0,002	1,667	6,000
14-02-2008	20:12:58	471552,875	0,875	0,001	1,458	5,250
14-02-2008	20:22:58	471553,719	0,844	0,001	1,406	5,063
14-02-2008	20:32:58	471554,531	0,813	0,001	1,354	4,875
14-02-2008	20:42:58	471555,250	0,719	0,001	1,198	4,313
14-02-2008	20:52:58	471556,031	0,781	0,001	1,302	4,688
14-02-2008	21:02:58	471556,969	0,938	0,002	1,563	5,625
14-02-2008	21:12:58	471557,656	0,688	0,001	1,146	4,125
14-02-2008	21:22:58	471558,313	0,656	0,001	1,094	3,938
14-02-2008	21:32:58	471559,000	0,688	0,001	1,146	4,125
14-02-2008	21:42:58	471559,688	0,688	0,001	1,146	4,125
14-02-2008	21:52:58	471560,344	0,656	0,001	1,094	3,938
14-02-2008	22:02:58	471560,938	0,594	0,001	0,990	3,563
14-02-2008	22:12:58	471561,656	0,719	0,001	1,198	4,313
14-02-2008	22:22:58	471562,500	0,844	0,001	1,406	5,063
14-02-2008	22:32:58	471563,219	0,719	0,001	1,198	4,313
14-02-2008	22:42:58	471563,844	0,625	0,001	1,042	3,750
14-02-2008	22:52:58	471564,500	0,656	0,001	1,094	3,938
14-02-2008	23:02:58	471565,094	0,594	0,001	0,990	3,563
14-02-2008	23:12:58	471565,625	0,531	0,001	0,885	3,188
14-02-2008	23:22:58	471566,438	0,813	0,001	1,354	4,875
14-02-2008	23:32:58	471567,031	0,594	0,001	0,990	3,563
14-02-2008	23:42:58	471567,656	0,625	0,001	1,042	3,750
14-02-2008	23:52:59	471568,313	0,656	0,001	1,094	3,938
15-02-2008	00:00:02	471568,781	0,469	0,001	1,108	3,989

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	Caudais Médios m3/h	Caudal Médio Horário
Hora	**Caudal (m3/h)**							
00:00-00:10	4,607	2,286	5,601	5,063	4,500	4,500	4,426	4,680
00:10-00:20	3,750	5,438	4,875	6,750	4,688	4,500	5,000	
00:20-00:30	4,500	5,813	5,063	4,688	4,688	4,125	4,813	
00:30-00:40	6,188	4,688	4,875	4,125	5,250	4,500	4,938	
00:40-00:50	5,063	4,875	4,125	4,688	3,938	4,313	4,500	
00:50-01:00	6,563	2,813	3,563	4,500	4,875	4,125	4,406	
01:00-01:10	5,063	3,563	4,875	3,938	5,438	4,500	4,563	4,875
01:10-01:20	3,375	5,438	5,063	4,688	5,063	4,875	4,750	
01:20-01:30	5,813	4,688	4,688	5,250	4,875	5,063	5,063	
01:30-01:40	5,438	4,875	4,875	5,063	5,438	5,063	5,125	
01:40-01:50	4,688	4,500	4,500	5,625	5,063	5,625	5,000	
01:50-02:00	4,875	4,500	5,063	4,313	5,438	4,313	4,750	
02:00-02:10	3,375	4,500	4,688	5,438	5,438	5,250	4,781	4,964
02:10-02:20	5,250	5,063	4,500	4,500	5,063	5,438	4,969	
02:20-02:30	3,750	3,750	5,438	5,250	6,375	5,250	4,969	
02:30-02:40	4,313	4,875	3,750	5,250	3,938	5,813	4,656	
02:40-02:50	4,875	3,938	5,250	5,625	5,250	6,000	5,156	
02:50-03:00	4,875	5,063	4,125	4,875	6,563	6,000	5,250	
03:00-03:10	5,063	4,875	4,500	6,563	7,875	4,688	5,594	5,271
03:10-03:20	5,250	3,000	5,250	5,813	3,375	5,063	4,625	
03:20-03:30	3,938	6,188	4,313	5,438	5,625	6,188	5,281	
03:30-03:40	6,563	4,500	5,063	5,438	6,563	5,813	5,656	
03:40-03:50	6,563	5,063	3,563	5,438	5,250	6,000	5,313	
03:50-04:00	5,813	4,313	5,250	6,375	4,125	5,063	5,156	
04:00-04:10	5,625	4,875	3,938	5,625	6,563	6,375	5,500	5,255
04:10-04:20	4,688	3,750	4,500	5,813	6,188	5,063	5,000	
04:20-04:30	5,250	4,688	5,063	5,813	4,313	4,688	4,969	
04:30-04:40	5,063	3,563	4,688	5,625	6,375	5,625	5,156	
04:40-04:50	5,063	4,313	6,188	6,000	5,438	6,563	5,594	
04:50-05:00	5,438	5,813	4,125	6,375	6,375	3,750	5,313	
05:00-05:10	6,750	5,063	5,063	4,500	6,375	5,438	5,531	5,708
05:10-05:20	6,000	5,063	5,250	6,563	6,938	6,375	6,031	
05:20-05:30	5,063	4,688	4,688	7,125	5,625	5,250	5,406	
05:30-05:40	4,688	6,000	7,125	6,375	6,188	6,000	6,063	
05:40-05:50	5,813	4,875	5,625	6,188	7,125	4,875	5,750	
05:50-06:00	7,313	4,500	5,438	4,688	5,438	5,438	5,469	
06:00-06:10	6,938	4,688	5,813	7,313	6,563	5,438	6,125	5,995
06:10-06:20	5,438	4,875	4,875	4,875	6,563	5,250	5,313	
06:20-06:30	5,813	5,625	5,625	6,188	6,750	6,000	6,000	
06:30-06:40	8,063	5,063	6,563	7,500	5,813	5,625	6,438	
06:40-06:50	6,563	6,188	6,563	6,000	6,938	5,063	6,219	
06:50-07:00	6,375	5,250	5,250	5,813	7,313	5,250	5,875	
07:00-07:10	7,125	8,625	5,625	6,750	5,625	5,250	6,500	6,271
07:10-07:20	7,688	5,438	6,000	6,188	7,313	4,688	6,219	
07:20-07:30	8,813	3,750	6,750	6,375	7,313	5,250	6,375	
07:30-07:40	9,188	6,375	7,313	6,000	6,563	4,688	6,688	
07:40-07:50	6,188	6,000	5,813	6,375	7,500	4,313	6,031	
07:50-08:00	5,438	5,625	6,000	6,750	6,000	5,063	5,813	

08:00-08:10	6,375	5,438	6,563	5,813	7,500	5,063	6,125	6,063
08:10-08:20	7,125	4,688	6,750	5,250	7,313	4,500	5,938	
08:20-08:30	5,813	5,813	6,750	5,625	7,500	5,438	6,156	
08:30-08:40	5,438	6,750	6,563	6,000	6,938	4,500	6,031	
08:40-08:50	6,750	4,500	6,000	6,188	6,563	5,063	5,844	
08:50-09:00	5,813	6,188	7,313	6,375	7,500	4,500	6,281	
09:00-09:10	5,625	5,250	5,813	5,625	8,625	5,250	6,031	6,521
09:10-09:20	5,813	5,063	6,938	6,188	6,375	4,875	5,875	
09:20-09:30	7,500	6,563	5,813	7,313	7,125	8,813	7,188	
09:30-09:40	5,250	6,000	6,375	6,563	7,500	8,250	6,656	
09:40-09:50	6,000	6,188	6,188	7,875	6,563	6,188	6,500	
09:50-10:00	6,188	6,375	6,750	7,313	7,125	7,500	6,875	
10:00-10:10	5,625	5,625	6,750	6,750	5,438	9,750	6,656	5,901
10:10-10:20	6,188	6,563	6,000	7,313	3,938	4,688	5,781	
10:20-10:30	6,563	4,688	5,250	5,813	3,563	6,938	5,469	
10:30-10:40	7,125	4,875	6,750	6,938	4,688	7,125	6,250	
10:40-10:50	7,688	5,438	5,250	5,438	4,500	6,750	5,844	
10:50-11:00	6,000	4,688	6,188	6,563	3,563	5,438	5,406	
11:00-11:10	4,125	4,875	6,750	6,000	3,938	5,063	5,125	5,375
11:10-11:20	6,375	5,250	5,813	6,375	6,563	5,250	5,938	
11:20-11:30	5,625	4,313	6,750	6,938	3,188	5,813	5,438	
11:30-11:40	5,063	4,688	6,750	5,063	4,500	5,438	5,250	
11:40-11:50	6,750	5,063	5,250	5,813	3,750	5,250	5,313	
11:50-12:00	3,750	4,875	6,375	6,188	4,875	5,063	5,188	
12:00-12:10	5,813	4,500	6,188	5,438	3,750	5,813	5,250	4,823
12:10-12:20	3,938	6,000	4,500	4,688	4,688	6,188	5,000	
12:20-12:30	4,875	3,938	5,250	5,063	4,688	5,063	4,813	
12:30-12:40	6,563	5,063	5,063	5,625	2,813	3,375	4,750	
12:40-12:50	4,688	4,688	4,688	4,313	4,313	3,563	4,375	
12:50-13:00	6,375	4,875	5,438	5,063	3,375	3,375	4,750	
13:00-13:10	3,563	4,125	4,500	4,875	3,938	3,938	4,156	4,328
13:10-13:20	3,563	4,313	5,438	4,313	3,563	4,125	4,219	
13:20-13:30	5,438	5,250	4,875	5,250	3,375	4,313	4,750	
13:30-13:40	3,938	4,875	5,250	3,563	3,375	4,125	4,188	
13:40-13:50	5,250	3,188	4,688	3,750	3,563	4,125	4,094	
13:50-14:00	5,813	4,688	4,688	4,500	3,188	4,500	4,563	
14:00-14:10	4,688	4,125	6,563	4,688	3,563	4,688	4,719	4,682
14:10-14:20	5,250	3,563	3,938	4,500	5,063	4,688	4,500	
14:20-14:30	4,688	3,938	5,813	5,438	4,688	5,438	5,000	
14:30-14:40	4,313	4,313	6,188	3,750	3,188	4,125	4,313	
14:40-14:50	5,813	3,938	6,938	4,688	4,125	4,313	4,969	
14:50-15:00	5,438	4,125	4,125	6,000	3,188	4,688	4,594	
15:00-15:10	3,375	5,438	5,438	4,125	3,563	4,688	4,438	4,776
15:10-15:20	5,813	3,938	5,250	6,375	3,375	5,625	5,063	
15:20-15:30	4,875	4,125	5,813	5,438	3,563	4,500	4,719	
15:30-15:40	6,938	4,313	5,250	3,563	4,313	4,125	4,750	
15:40-15:50	6,188	3,938	5,438	4,125	3,563	4,500	4,625	
15:50-16:00	4,500	4,875	6,375	6,375	2,813	5,438	5,063	
16:00-16:10	6,188	4,500	6,188	5,063	4,125	4,500	5,094	4,938
16:10-16:20	3,750	4,875	5,250	4,500	3,563	4,500	4,406	
16:20-16:30	6,563	4,313	5,438	6,000	3,938	4,313	5,094	
16:30-16:40	4,313	4,500	5,813	4,500	4,500	4,875	4,750	
16:40-16:50	6,000	3,563	4,875	6,188	3,750	5,813	5,031	
16:50-17:00	5,438	4,125	5,250	5,625	5,250	5,813	5,250	

17:00-17:10	4,688	4,688	5,438	6,563	3,938	5,063	5,063	5,521
17:10-17:20	7,688	4,313	5,625	6,375	5,250	5,250	5,750	
17:20-17:30	4,688	4,500	6,750	4,313	5,063	4,688	5,000	
17:30-17:40	6,750	4,313	5,813	6,563	5,250	5,625	5,719	
17:40-17:50	7,688	4,500	5,063	7,313	5,063	5,063	5,781	
17:50-18:00	6,938	4,500	6,563	4,313	5,625	6,938	5,813	
18:00-18:10	5,438	4,500	6,563	5,813	5,438	6,188	5,656	5,817
18:10-18:20	5,063	3,938	4,500	6,375	4,875	5,625	5,063	
18:20-18:30	5,250	4,875	8,063	6,188	5,063	5,625	5,844	
18:30-18:40	5,813	4,125	7,313	7,125	5,438	7,125	6,156	
18:40-18:50	6,000	6,188	5,240	6,188	6,188	6,375	6,030	
18:50-19:00	6,375	3,563	9,188	4,500	6,938	6,375	6,156	
19:00-19:10	5,250	3,188	6,188	7,125	5,438	4,875	5,344	5,324
19:10-19:20	5,063	4,875	6,000	6,000	6,188	5,063	5,531	
19:20-19:30	5,063	5,063	6,000	5,625	5,438	5,250	5,406	
19:30-19:40	5,250	4,125	6,375	6,188	4,313	4,500	5,125	
19:40-19:50	5,250	3,188	4,928	4,500	6,000	4,500	4,728	
19:50-20:00	5,625	5,250	6,000	6,750	5,250	6,000	5,813	
20:00-20:10	5,250	4,313	6,375	4,688	6,000	5,250	5,313	4,802
20:10-20:20	3,375	4,125	5,250	3,750	5,063	5,063	4,438	
20:20-20:30	5,250	3,750	6,563	5,063	4,500	4,875	5,000	
20:30-20:40	6,188	5,250	3,938	4,688	4,500	4,313	4,813	
20:40-20:50	2,813	4,500	4,875	5,438	4,125	4,688	4,406	
20:50-21:00	4,313	4,125	5,625	4,875	4,500	5,625	4,844	
21:00-21:10	3,563	5,813	4,500	4,875	4,875	4,125	4,625	4,469
21:10-21:20	4,313	4,313	5,063	5,250	4,875	3,938	4,625	
21:20-21:30	4,688	5,813	5,625	5,063	4,313	4,125	4,938	
21:30-21:40	3,750	5,813	3,938	4,500	3,563	4,125	4,281	
21:40-21:50	3,750	4,125	5,250	3,563	3,750	3,938	4,063	
21:50-22:00	4,313	3,938	3,938	4,688	5,250	3,563	4,281	
22:00-22:10	5,063	4,875	5,625	3,563	4,500	4,313	4,656	4,375
22:10-22:20	4,688	4,313	4,500	5,250	4,313	5,063	4,688	
22:20-22:30	3,563	4,875	5,063	4,688	4,313	4,313	4,469	
22:30-22:40	4,688	4,688	5,063	3,188	4,125	3,750	4,250	
22:40-22:50	3,188	3,938	4,500	4,875	4,875	3,938	4,219	
22:50-23:00	3,563	3,750	5,063	3,938	3,938	3,563	3,969	
23:00-23:10	3,750	4,875	4,500	4,875	4,313	3,188	4,250	4,381
23:10-23:20	3,000	4,688	4,875	4,125	4,313	4,875	4,313	
23:20-23:30	5,438	4,313	5,250	4,875	3,750	3,563	4,531	
23:30-23:40	4,688	5,625	5,813	3,938	3,750	3,750	4,594	
23:40-23:50	4,500	3,750	4,125	3,750	4,500	3,938	4,094	
23:50-00:00	4,313	4,688	4,688	4,750	4,592	3,989	4,503	

Caudal Médio Diário = 5,213 m3/h

Caudais Médios *ETA de Lever - Jovim (saída da ETA)*
Caudal (m3/h)
0
1
2
3
4
5
6
7
8
00:00-00:10
00:40-00:50
01:20-01:30
02:00-02:10
02:40-02:50
03:20-03:30
04:00-04:10
04:40-04:50
05:20-05:30
06:00-06:10
06:40-06:50
07:20-07:30
08:00-08:10
08:40-08:50
09:20-09:30
10:00-10:10
10:40-10:50
11:20-11:30
12:00-12:10
12:40-12:50
13:20-13:30
14:00-14:10
14:40-14:50
15:20-15:30
16:00-16:10
16:40-16:50
17:20-17:30
18:00-18:10
18:40-18:50
19:20-19:30
20:00-20:10
20:40-20:50
21:20-21:30
22:00-22:10
22:40-22:50
23:20-23:30
Hora

Caudais Médios Horários *ETA de Lever - Jovim (saída da ETA)*
Caudal (m3/h)
0
1
2
3
4
5
6
7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CAUDAIS

ETA de Lever - Lagoa (saída da ETA de Lever)

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	14957512,000				
09-02-2008	00:07:45	14957665,000	153,000	0,330	329,741	1187,069
09-02-2008	00:17:45	14957850,000	185,000	0,308	308,333	1110,000
09-02-2008	00:27:45	14958036,000	186,000	0,310	310,000	1116,000
09-02-2008	00:37:45	14958226,000	190,000	0,317	316,667	1140,000
09-02-2008	00:47:45	14958414,000	188,000	0,313	313,333	1128,000
09-02-2008	00:57:46	14958600,000	186,000	0,310	310,000	1116,000
09-02-2008	01:07:46	14958786,000	186,000	0,310	310,000	1116,000
09-02-2008	01:17:46	14958923,000	137,000	0,228	228,333	822,000
09-02-2008	01:27:46	14959128,000	205,000	0,342	341,667	1230,000
09-02-2008	01:37:46	14959333,000	205,000	0,342	341,667	1230,000
09-02-2008	01:47:46	14959487,000	154,000	0,257	256,667	924,000
09-02-2008	01:57:46	14959692,000	205,000	0,342	341,667	1230,000
09-02-2008	02:07:46	14959847,000	155,000	0,258	258,333	930,000
09-02-2008	02:17:46	14960236,000	389,000	0,648	648,333	2334,000
09-02-2008	02:27:46	14960533,000	297,000	0,495	495,000	1782,000
09-02-2008	02:37:46	14960935,000	402,000	0,670	670,000	2412,000
09-02-2008	02:47:46	14961304,000	369,000	0,615	615,000	2214,000
09-02-2008	02:57:46	14961666,000	362,000	0,603	603,333	2172,000
09-02-2008	03:07:46	14962032,000	366,000	0,610	610,000	2196,000
09-02-2008	03:17:46	14962371,000	339,000	0,565	565,000	2034,000
09-02-2008	03:27:46	14962737,000	366,000	0,610	610,000	2196,000
09-02-2008	03:37:46	14963097,000	360,000	0,600	600,000	2160,000
09-02-2008	03:47:46	14963436,000	339,000	0,565	565,000	2034,000
09-02-2008	03:57:46	14963797,000	361,000	0,602	601,667	2166,000
09-02-2008	04:07:46	14964159,000	362,000	0,603	603,333	2172,000
09-02-2008	04:17:46	14964499,000	340,000	0,567	566,667	2040,000
09-02-2008	04:27:46	14964859,000	360,000	0,600	600,000	2160,000
09-02-2008	04:37:46	14965223,000	364,000	0,607	606,667	2184,000
09-02-2008	04:47:46	14965561,000	338,000	0,563	563,333	2028,000
09-02-2008	04:57:46	14965924,000	363,000	0,605	605,000	2178,000
09-02-2008	05:07:46	14966283,000	359,000	0,598	598,333	2154,000
09-02-2008	05:17:46	14966621,000	338,000	0,563	563,333	2028,000
09-02-2008	05:27:47	14966979,000	358,000	0,597	596,667	2148,000
09-02-2008	05:37:47	14967339,000	360,000	0,600	600,000	2160,000
09-02-2008	05:47:47	14967676,000	337,000	0,562	561,667	2022,000
09-02-2008	05:57:47	14968033,000	357,000	0,595	595,000	2142,000
09-02-2008	06:07:47	14968466,000	433,000	0,722	721,667	2598,000
09-02-2008	06:17:47	14968823,000	357,000	0,595	595,000	2142,000
09-02-2008	06:27:47	14969086,000	263,000	0,438	438,333	1578,000
09-02-2008	06:37:47	14969517,000	431,000	0,718	718,333	2586,000
09-02-2008	06:47:47	14969872,000	355,000	0,592	591,667	2130,000
09-02-2008	06:57:47	14970137,000	265,000	0,442	441,667	1590,000
09-02-2008	07:07:47	14970566,000	429,000	0,715	715,000	2574,000
09-02-2008	07:17:47	14970922,000	356,000	0,593	593,333	2136,000
09-02-2008	07:27:47	14971280,000	358,000	0,597	596,667	2148,000
09-02-2008	07:37:47	14971613,000	333,000	0,555	555,000	1998,000
09-02-2008	07:47:47	14971902,000	289,000	0,482	481,667	1734,000
09-02-2008	07:57:47	14972079,000	177,000	0,295	295,000	1062,000
09-02-2008	08:07:47	14972246,000	167,000	0,278	278,333	1002,000
09-02-2008	08:17:47	14972423,000	177,000	0,295	295,000	1062,000

09-02-2008	08:27:47	14972601,000	178,000	0,297	296,667	1068,000
09-02-2008	08:37:47	14972768,000	167,000	0,278	278,333	1002,000
09-02-2008	08:47:47	14972945,000	177,000	0,295	295,000	1062,000
09-02-2008	08:57:47	14973124,000	179,000	0,298	298,333	1074,000
09-02-2008	09:07:47	14973289,000	165,000	0,275	275,000	990,000
09-02-2008	09:17:47	14973296,000	7,000	0,012	11,667	42,000
09-02-2008	09:27:47	14973297,000	1,000	0,002	1,667	6,000
09-02-2008	09:37:47	14973297,000	0,000	0,000	0,000	0,000
09-02-2008	09:47:47	14973297,000	0,000	0,000	0,000	0,000
09-02-2008	09:57:47	14973297,000	0,000	0,000	0,000	0,000
09-02-2008	10:07:47	14973298,000	1,000	0,002	1,667	6,000
09-02-2008	10:17:47	14973298,000	0,000	0,000	0,000	0,000
09-02-2008	10:27:47	14973298,000	0,000	0,000	0,000	0,000
09-02-2008	10:37:47	14973299,000	1,000	0,002	1,667	6,000
09-02-2008	10:47:47	14973299,000	0,000	0,000	0,000	0,000
09-02-2008	10:57:47	14973299,000	0,000	0,000	0,000	0,000
09-02-2008	11:07:47	14973299,000	0,000	0,000	0,000	0,000
09-02-2008	11:17:47	14973300,000	1,000	0,002	1,667	6,000
09-02-2008	11:27:47	14973300,000	0,000	0,000	0,000	0,000
09-02-2008	11:37:47	14973300,000	0,000	0,000	0,000	0,000
09-02-2008	11:47:47	14973300,000	0,000	0,000	0,000	0,000
09-02-2008	11:57:47	14973300,000	0,000	0,000	0,000	0,000
09-02-2008	12:07:47	14973301,000	1,000	0,002	1,667	6,000
09-02-2008	12:17:47	14973301,000	0,000	0,000	0,000	0,000
09-02-2008	12:27:47	14973301,000	0,000	0,000	0,000	0,000
09-02-2008	12:37:47	14973301,000	0,000	0,000	0,000	0,000
09-02-2008	12:47:47	14973302,000	1,000	0,002	1,667	6,000
09-02-2008	12:57:48	14973302,000	0,000	0,000	0,000	0,000
09-02-2008	13:07:48	14973372,000	70,000	0,117	116,667	420,000
09-02-2008	13:17:48	14973604,000	232,000	0,387	386,667	1392,000
09-02-2008	13:27:48	14974015,000	411,000	0,685	685,000	2466,000
09-02-2008	13:37:48	14974293,000	278,000	0,463	463,333	1668,000
09-02-2008	13:47:48	14974673,000	380,000	0,633	633,333	2280,000
09-02-2008	13:57:48	14975044,000	371,000	0,618	618,333	2226,000
09-02-2008	14:07:48	14975448,000	404,000	0,673	673,333	2424,000
09-02-2008	14:17:48	14975752,000	304,000	0,507	506,667	1824,000
09-02-2008	14:27:48	14976154,000	402,000	0,670	670,000	2412,000
09-02-2008	14:37:48	14976455,000	301,000	0,502	501,667	1806,000
09-02-2008	14:47:48	14976856,000	401,000	0,668	668,333	2406,000
09-02-2008	14:57:48	14977256,000	400,000	0,667	666,667	2400,000
09-02-2008	15:07:48	14977555,000	299,000	0,498	498,333	1794,000
09-02-2008	15:17:48	14977954,000	399,000	0,665	665,000	2394,000
09-02-2008	15:27:48	14978252,000	298,000	0,497	496,667	1788,000
09-02-2008	15:37:48	14978652,000	400,000	0,667	666,667	2400,000
09-02-2008	15:47:48	14979052,000	400,000	0,667	666,667	2400,000
09-02-2008	15:57:48	14979355,000	303,000	0,505	505,000	1818,000
09-02-2008	16:07:48	14979754,000	399,000	0,665	665,000	2394,000
09-02-2008	16:17:48	14980054,000	300,000	0,500	500,000	1800,000
09-02-2008	16:27:48	14980452,000	398,000	0,663	663,333	2388,000
09-02-2008	16:37:48	14980749,000	297,000	0,495	495,000	1782,000
09-02-2008	16:47:48	14981146,000	397,000	0,662	661,667	2382,000
09-02-2008	16:57:48	14981542,000	396,000	0,660	660,000	2376,000
09-02-2008	17:07:48	14981835,000	293,000	0,488	488,333	1758,000
09-02-2008	17:17:48	14982232,000	397,000	0,662	661,667	2382,000
09-02-2008	17:27:48	14982534,000	302,000	0,503	503,333	1812,000

09-02-2008	17:37:48	14982930,000	396,000	0,660	660,000	2376,000
09-02-2008	17:47:48	14983325,000	395,000	0,658	658,333	2370,000
09-02-2008	17:57:48	14983682,000	357,000	0,595	595,000	2142,000
09-02-2008	18:07:48	14984018,000	336,000	0,560	560,000	2016,000
09-02-2008	18:17:48	14984375,000	357,000	0,595	595,000	2142,000
09-02-2008	18:27:48	14984627,000	252,000	0,420	420,000	1512,000
09-02-2008	18:37:48	14984650,000	23,000	0,038	38,333	138,000
09-02-2008	18:47:48	14984650,000	0,000	0,000	0,000	0,000
09-02-2008	18:57:48	14984650,000	0,000	0,000	0,000	0,000
09-02-2008	19:07:48	14984651,000	1,000	0,002	1,667	6,000
09-02-2008	19:17:48	14984651,000	0,000	0,000	0,000	0,000
09-02-2008	19:27:48	14984651,000	0,000	0,000	0,000	0,000
09-02-2008	19:37:49	14984651,000	0,000	0,000	0,000	0,000
09-02-2008	19:47:49	14984652,000	1,000	0,002	1,667	6,000
09-02-2008	19:57:49	14984652,000	0,000	0,000	0,000	0,000
09-02-2008	20:07:49	14984652,000	0,000	0,000	0,000	0,000
09-02-2008	20:17:49	14984653,000	1,000	0,002	1,667	6,000
09-02-2008	20:27:49	14984653,000	0,000	0,000	0,000	0,000
09-02-2008	20:37:49	14984653,000	0,000	0,000	0,000	0,000
09-02-2008	20:47:49	14984654,000	1,000	0,002	1,667	6,000
09-02-2008	20:57:49	14984654,000	0,000	0,000	0,000	0,000
09-02-2008	21:07:49	14984654,000	0,000	0,000	0,000	0,000
09-02-2008	21:17:49	14984655,000	1,000	0,002	1,667	6,000
09-02-2008	21:27:49	14984655,000	0,000	0,000	0,000	0,000
09-02-2008	21:37:49	14984655,000	0,000	0,000	0,000	0,000
09-02-2008	21:47:49	14984656,000	1,000	0,002	1,667	6,000
09-02-2008	21:57:49	14984656,000	0,000	0,000	0,000	0,000
09-02-2008	22:07:49	14984657,000	1,000	0,002	1,667	6,000
09-02-2008	22:17:49	14984657,000	0,000	0,000	0,000	0,000
09-02-2008	22:27:49	14984657,000	0,000	0,000	0,000	0,000
09-02-2008	22:37:49	14984658,000	1,000	0,002	1,667	6,000
09-02-2008	22:47:49	14984658,000	0,000	0,000	0,000	0,000
09-02-2008	22:57:49	14984658,000	0,000	0,000	0,000	0,000
09-02-2008	23:07:49	14984659,000	1,000	0,002	1,667	6,000
09-02-2008	23:17:49	14984659,000	0,000	0,000	0,000	0,000
09-02-2008	23:27:49	14984841,000	182,000	0,303	303,333	1092,000
09-02-2008	23:37:49	14985040,000	199,000	0,332	331,667	1194,000
09-02-2008	23:47:49	14985189,000	149,000	0,248	248,333	894,000
09-02-2008	23:57:49	14985389,000	200,000	0,333	333,333	1200,000
10-02-2008	00:00:26	14985441,000	52,000	0,331	331,210	1192,357

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:26	14985441,000				
10-02-2008	00:07:49	14985538,000	97,000	0,219	218,962	788,262
10-02-2008	00:17:49	14985737,000	199,000	0,332	331,667	1194,000
10-02-2008	00:27:49	14985908,000	171,000	0,285	285,000	1026,000
10-02-2008	00:37:49	14986088,000	180,000	0,300	300,000	1080,000
10-02-2008	00:47:49	14986270,000	182,000	0,303	303,333	1092,000
10-02-2008	00:57:49	14986440,000	170,000	0,283	283,333	1020,000
10-02-2008	01:07:50	14986620,000	180,000	0,300	300,000	1080,000
10-02-2008	01:17:50	14986802,000	182,000	0,303	303,333	1092,000
10-02-2008	01:27:50	14986971,000	169,000	0,282	281,667	1014,000
10-02-2008	01:37:50	14987153,000	182,000	0,303	303,333	1092,000
10-02-2008	01:47:50	14987333,000	180,000	0,300	300,000	1080,000
10-02-2008	01:57:50	14987503,000	170,000	0,283	283,333	1020,000
10-02-2008	02:07:50	14987779,000	276,000	0,460	460,000	1656,000
10-02-2008	02:17:50	14988215,000	436,000	0,727	726,667	2616,000
10-02-2008	02:27:50	14988510,000	295,000	0,492	491,667	1770,000
10-02-2008	02:37:50	14988906,000	396,000	0,660	660,000	2376,000
10-02-2008	02:47:50	14989201,000	295,000	0,492	491,667	1770,000
10-02-2008	02:57:50	14989596,000	395,000	0,658	658,333	2370,000
10-02-2008	03:07:50	14989992,000	396,000	0,660	660,000	2376,000
10-02-2008	03:17:51	14990292,000	300,000	0,500	500,000	1800,000
10-02-2008	03:27:51	14990686,000	394,000	0,657	656,667	2364,000
10-02-2008	03:37:51	14990982,000	296,000	0,493	493,333	1776,000
10-02-2008	03:47:51	14991377,000	395,000	0,658	658,333	2370,000
10-02-2008	03:57:51	14991733,000	356,000	0,593	593,333	2136,000
10-02-2008	04:07:51	14992090,000	357,000	0,595	595,000	2142,000
10-02-2008	04:17:51	14992423,000	333,000	0,555	555,000	1998,000
10-02-2008	04:27:51	14992778,000	355,000	0,592	591,667	2130,000
10-02-2008	04:37:51	14993136,000	358,000	0,597	596,667	2148,000
10-02-2008	04:47:51	14993468,000	332,000	0,553	553,333	1992,000
10-02-2008	04:57:51	14993825,000	357,000	0,595	595,000	2142,000
10-02-2008	05:07:51	14994178,000	353,000	0,588	588,333	2118,000
10-02-2008	05:17:51	14994568,000	390,000	0,650	650,000	2340,000
10-02-2008	05:27:51	14994862,000	294,000	0,490	490,000	1764,000
10-02-2008	05:37:52	14995251,000	389,000	0,648	648,333	2334,000
10-02-2008	05:47:52	14995547,000	296,000	0,493	493,333	1776,000
10-02-2008	05:57:52	14995900,000	353,000	0,588	588,333	2118,000
10-02-2008	06:07:52	14996252,000	352,000	0,587	586,667	2112,000
10-02-2008	06:17:52	14996612,000	360,000	0,600	600,000	2160,000
10-02-2008	06:27:52	14996970,000	358,000	0,597	596,667	2148,000
10-02-2008	06:37:52	14997324,000	354,000	0,590	590,000	2124,000
10-02-2008	06:47:52	14997674,000	350,000	0,583	583,333	2100,000
10-02-2008	06:57:52	14997966,000	292,000	0,487	486,667	1752,000
10-02-2008	07:07:52	14998381,000	415,000	0,692	691,667	2490,000
10-02-2008	07:17:52	14998557,000	176,000	0,293	293,333	1056,000
10-02-2008	07:27:52	14998705,000	148,000	0,247	246,667	888,000
10-02-2008	07:37:52	14998882,000	177,000	0,295	295,000	1062,000
10-02-2008	07:47:52	14999060,000	178,000	0,297	296,667	1068,000
10-02-2008	07:57:52	14999226,000	166,000	0,277	276,667	996,000
10-02-2008	08:07:52	14999405,000	179,000	0,298	298,333	1074,000
10-02-2008	08:17:52	14999582,000	177,000	0,295	295,000	1062,000

10-02-2008	08:27:52	14999749,000	167,000	0,278	278,333	1002,000
10-02-2008	08:37:52	14999958,000	209,000	0,348	348,333	1254,000
10-02-2008	08:47:52	15000141,000	183,000	0,305	305,000	1098,000
10-02-2008	08:57:52	15000303,000	162,000	0,270	270,000	972,000
10-02-2008	09:07:52	15000303,000	0,000	0,000	0,000	0,000
10-02-2008	09:17:52	15000304,000	1,000	0,002	1,667	6,000
10-02-2008	09:27:52	15000304,000	0,000	0,000	0,000	0,000
10-02-2008	09:37:52	15000304,000	0,000	0,000	0,000	0,000
10-02-2008	09:47:52	15000304,000	0,000	0,000	0,000	0,000
10-02-2008	09:57:52	15000305,000	1,000	0,002	1,667	6,000
10-02-2008	10:07:52	15000305,000	0,000	0,000	0,000	0,000
10-02-2008	10:17:52	15000305,000	0,000	0,000	0,000	0,000
10-02-2008	10:27:53	15000305,000	0,000	0,000	0,000	0,000
10-02-2008	10:37:53	15000306,000	1,000	0,002	1,667	6,000
10-02-2008	10:47:53	15000306,000	0,000	0,000	0,000	0,000
10-02-2008	10:57:53	15000306,000	0,000	0,000	0,000	0,000
10-02-2008	11:07:53	15000306,000	0,000	0,000	0,000	0,000
10-02-2008	11:17:53	15000306,000	0,000	0,000	0,000	0,000
10-02-2008	11:27:53	15000307,000	1,000	0,002	1,667	6,000
10-02-2008	11:37:53	15000307,000	0,000	0,000	0,000	0,000
10-02-2008	11:47:53	15000307,000	0,000	0,000	0,000	0,000
10-02-2008	11:57:53	15000307,000	0,000	0,000	0,000	0,000
10-02-2008	12:07:53	15000307,000	0,000	0,000	0,000	0,000
10-02-2008	12:17:53	15000308,000	1,000	0,002	1,667	6,000
10-02-2008	12:27:53	15000308,000	0,000	0,000	0,000	0,000
10-02-2008	12:37:53	15000308,000	0,000	0,000	0,000	0,000
10-02-2008	12:47:53	15000308,000	0,000	0,000	0,000	0,000
10-02-2008	12:57:53	15000309,000	1,000	0,002	1,667	6,000
10-02-2008	13:07:53	15000309,000	0,000	0,000	0,000	0,000
10-02-2008	13:17:53	15000309,000	0,000	0,000	0,000	0,000
10-02-2008	13:27:53	15000309,000	0,000	0,000	0,000	0,000
10-02-2008	13:37:53	15000340,000	31,000	0,052	51,667	186,000
10-02-2008	13:47:53	15000492,000	152,000	0,253	253,333	912,000
10-02-2008	13:57:53	15000681,000	189,000	0,315	315,000	1134,000
10-02-2008	14:07:53	15000865,000	184,000	0,307	306,667	1104,000
10-02-2008	14:17:53	15001054,000	189,000	0,315	315,000	1134,000
10-02-2008	14:27:53	15001228,000	174,000	0,290	290,000	1044,000
10-02-2008	14:37:53	15001414,000	186,000	0,310	310,000	1116,000
10-02-2008	14:47:53	15001600,000	186,000	0,310	310,000	1116,000
10-02-2008	14:57:53	15001776,000	176,000	0,293	293,333	1056,000
10-02-2008	15:07:53	15001980,000	204,000	0,340	340,000	1224,000
10-02-2008	15:17:53	15002164,000	184,000	0,307	306,667	1104,000
10-02-2008	15:27:54	15002337,000	173,000	0,288	288,333	1038,000
10-02-2008	15:37:54	15002526,000	189,000	0,315	315,000	1134,000
10-02-2008	15:47:54	15002709,000	183,000	0,305	305,000	1098,000
10-02-2008	15:57:54	15002899,000	190,000	0,317	316,667	1140,000
10-02-2008	16:07:54	15003074,000	175,000	0,292	291,667	1050,000
10-02-2008	16:17:54	15003260,000	186,000	0,310	310,000	1116,000
10-02-2008	16:27:54	15003446,000	186,000	0,310	310,000	1116,000
10-02-2008	16:37:54	15003622,000	176,000	0,293	293,333	1056,000
10-02-2008	16:47:54	15003804,000	182,000	0,303	303,333	1092,000
10-02-2008	16:57:54	15003977,000	173,000	0,288	288,333	1038,000
10-02-2008	17:07:54	15004166,000	189,000	0,315	315,000	1134,000
10-02-2008	17:17:54	15004349,000	183,000	0,305	305,000	1098,000
10-02-2008	17:27:54	15004538,000	189,000	0,315	315,000	1134,000

10-02-2008	17:37:54	15004711,000	173,000	0,288	288,333	1038,000
10-02-2008	17:47:54	15004896,000	185,000	0,308	308,333	1110,000
10-02-2008	17:57:54	15005082,000	186,000	0,310	310,000	1116,000
10-02-2008	18:07:54	15005256,000	174,000	0,290	290,000	1044,000
10-02-2008	18:17:54	15005439,000	183,000	0,305	305,000	1098,000
10-02-2008	18:27:54	15005612,000	173,000	0,288	288,333	1038,000
10-02-2008	18:37:54	15005800,000	188,000	0,313	313,333	1128,000
10-02-2008	18:47:54	15006020,000	220,000	0,367	366,667	1320,000
10-02-2008	18:57:54	15006170,000	150,000	0,250	250,000	900,000
10-02-2008	19:07:54	15006342,000	172,000	0,287	286,667	1032,000
10-02-2008	19:17:54	15006526,000	184,000	0,307	306,667	1104,000
10-02-2008	19:27:54	15006750,000	224,000	0,373	373,333	1344,000
10-02-2008	19:37:54	15006935,000	185,000	0,308	308,333	1110,000
10-02-2008	19:47:54	15007069,000	134,000	0,223	223,333	804,000
10-02-2008	19:57:54	15007273,000	204,000	0,340	340,000	1224,000
10-02-2008	20:07:54	15007445,000	172,000	0,287	286,667	1032,000
10-02-2008	20:17:54	15007632,000	187,000	0,312	311,667	1122,000
10-02-2008	20:27:54	15007815,000	183,000	0,305	305,000	1098,000
10-02-2008	20:37:54	15008002,000	187,000	0,312	311,667	1122,000
10-02-2008	20:47:54	15008175,000	173,000	0,288	288,333	1038,000
10-02-2008	20:57:54	15008359,000	184,000	0,307	306,667	1104,000
10-02-2008	21:07:54	15008546,000	187,000	0,312	311,667	1122,000
10-02-2008	21:17:54	15008719,000	173,000	0,288	288,333	1038,000
10-02-2008	21:27:54	15008901,000	182,000	0,303	303,333	1092,000
10-02-2008	21:37:54	15009127,000	226,000	0,377	376,667	1356,000
10-02-2008	21:47:54	15009309,000	182,000	0,303	303,333	1092,000
10-02-2008	21:57:55	15009482,000	173,000	0,288	288,333	1038,000
10-02-2008	22:07:55	15009670,000	188,000	0,313	313,333	1128,000
10-02-2008	22:17:55	15009853,000	183,000	0,305	305,000	1098,000
10-02-2008	22:27:55	15010041,000	188,000	0,313	313,333	1128,000
10-02-2008	22:37:55	15010214,000	173,000	0,288	288,333	1038,000
10-02-2008	22:47:55	15010399,000	185,000	0,308	308,333	1110,000
10-02-2008	22:57:55	15010585,000	186,000	0,310	310,000	1116,000
10-02-2008	23:07:55	15010760,000	175,000	0,292	291,667	1050,000
10-02-2008	23:17:55	15010942,000	182,000	0,303	303,333	1092,000
10-02-2008	23:27:55	15011114,000	172,000	0,287	286,667	1032,000
10-02-2008	23:37:55	15011303,000	189,000	0,315	315,000	1134,000
10-02-2008	23:47:55	15011486,000	183,000	0,305	305,000	1098,000
10-02-2008	23:57:55	15011676,000	190,000	0,317	316,667	1140,000
11-02-2008	00:00:13	15011713,000	37,000	0,268	268,116	965,217

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	15011713,000				
11-02-2008	00:07:55	15011849,000	136,000	0,294	294,372	1059,740
11-02-2008	00:17:55	15012034,000	185,000	0,308	308,333	1110,000
11-02-2008	00:27:55	15012220,000	186,000	0,310	310,000	1116,000
11-02-2008	00:37:55	15012396,000	176,000	0,293	293,333	1056,000
11-02-2008	00:47:55	15012578,000	182,000	0,303	303,333	1092,000
11-02-2008	00:57:55	15012752,000	174,000	0,290	290,000	1044,000
11-02-2008	01:07:55	15012941,000	189,000	0,315	315,000	1134,000
11-02-2008	01:17:55	15013124,000	183,000	0,305	305,000	1098,000
11-02-2008	01:27:55	15013313,000	189,000	0,315	315,000	1134,000
11-02-2008	01:37:55	15013488,000	175,000	0,292	291,667	1050,000
11-02-2008	01:47:55	15013673,000	185,000	0,308	308,333	1110,000
11-02-2008	01:57:55	15013860,000	187,000	0,312	311,667	1122,000
11-02-2008	02:07:55	15014034,000	174,000	0,290	290,000	1044,000
11-02-2008	02:17:55	15014414,000	380,000	0,633	633,333	2280,000
11-02-2008	02:27:56	15014820,000	406,000	0,677	676,667	2436,000
11-02-2008	02:37:56	15015121,000	301,000	0,502	501,667	1806,000
11-02-2008	02:47:56	15015526,000	405,000	0,675	675,000	2430,000
11-02-2008	02:57:56	15015826,000	300,000	0,500	500,000	1800,000
11-02-2008	03:07:56	15016230,000	404,000	0,673	673,333	2424,000
11-02-2008	03:17:56	15016634,000	404,000	0,673	673,333	2424,000
11-02-2008	03:27:56	15016938,000	304,000	0,507	506,667	1824,000
11-02-2008	03:37:56	15017341,000	403,000	0,672	671,667	2418,000
11-02-2008	03:47:56	15017647,000	306,000	0,510	510,000	1836,000
11-02-2008	03:57:56	15018049,000	402,000	0,670	670,000	2412,000
11-02-2008	04:07:56	15018347,000	298,000	0,497	496,667	1788,000
11-02-2008	04:17:56	15018748,000	401,000	0,668	668,333	2406,000
11-02-2008	04:27:56	15019148,000	400,000	0,667	666,667	2400,000
11-02-2008	04:37:56	15019446,000	298,000	0,497	496,667	1788,000
11-02-2008	04:47:56	15019846,000	400,000	0,667	666,667	2400,000
11-02-2008	04:57:56	15020146,000	300,000	0,500	500,000	1800,000
11-02-2008	05:07:56	15020545,000	399,000	0,665	665,000	2394,000
11-02-2008	05:17:56	15020944,000	399,000	0,665	665,000	2394,000
11-02-2008	05:27:56	15021245,000	301,000	0,502	501,667	1806,000
11-02-2008	05:37:56	15021643,000	398,000	0,663	663,333	2388,000
11-02-2008	05:47:56	15022004,000	361,000	0,602	601,667	2166,000
11-02-2008	05:57:56	15022338,000	334,000	0,557	556,667	2004,000
11-02-2008	06:07:56	15022709,000	371,000	0,618	618,333	2226,000
11-02-2008	06:17:56	15023061,000	352,000	0,587	586,667	2112,000
11-02-2008	06:27:56	15023396,000	335,000	0,558	558,333	2010,000
11-02-2008	06:37:56	15023765,000	369,000	0,615	615,000	2214,000
11-02-2008	06:47:56	15024117,000	352,000	0,587	586,667	2112,000
11-02-2008	06:57:56	15024485,000	368,000	0,613	613,333	2208,000
11-02-2008	07:07:56	15024822,000	337,000	0,562	561,667	2022,000
11-02-2008	07:17:56	15025182,000	360,000	0,600	600,000	2160,000
11-02-2008	07:27:56	15025514,000	332,000	0,553	553,333	1992,000
11-02-2008	07:37:57	15025883,000	369,000	0,615	615,000	2214,000
11-02-2008	07:47:57	15026233,000	350,000	0,583	583,333	2100,000
11-02-2008	07:57:57	15026566,000	333,000	0,555	555,000	1998,000
11-02-2008	08:07:57	15026904,000	338,000	0,563	563,333	2028,000
11-02-2008	08:17:57	15027080,000	176,000	0,293	293,333	1056,000

11-02-2008	08:27:57	15027264,000	184,000	0,307	306,667	1104,000
11-02-2008	08:37:57	15027433,000	169,000	0,282	281,667	1014,000
11-02-2008	08:47:57	15027612,000	179,000	0,298	298,333	1074,000
11-02-2008	08:57:57	15027779,000	167,000	0,278	278,333	1002,000
11-02-2008	09:07:57	15027964,000	185,000	0,308	308,333	1110,000
11-02-2008	09:17:57	15028176,000	212,000	0,353	353,333	1272,000
11-02-2008	09:27:57	15028235,000	59,000	0,098	98,333	354,000
11-02-2008	09:37:57	15028236,000	1,000	0,002	1,667	6,000
11-02-2008	09:47:57	15028236,000	0,000	0,000	0,000	0,000
11-02-2008	09:57:57	15028236,000	0,000	0,000	0,000	0,000
11-02-2008	10:07:57	15028236,000	0,000	0,000	0,000	0,000
11-02-2008	10:17:57	15028236,000	0,000	0,000	0,000	0,000
11-02-2008	10:27:57	15028236,000	0,000	0,000	0,000	0,000
11-02-2008	10:37:57	15028236,000	0,000	0,000	0,000	0,000
11-02-2008	10:47:57	15028237,000	1,000	0,002	1,667	6,000
11-02-2008	10:57:57	15028237,000	0,000	0,000	0,000	0,000
11-02-2008	11:07:57	15028237,000	0,000	0,000	0,000	0,000
11-02-2008	11:17:57	15028237,000	0,000	0,000	0,000	0,000
11-02-2008	11:27:57	15028237,000	0,000	0,000	0,000	0,000
11-02-2008	11:37:57	15028238,000	1,000	0,002	1,667	6,000
11-02-2008	11:47:57	15028238,000	0,000	0,000	0,000	0,000
11-02-2008	11:57:57	15028238,000	0,000	0,000	0,000	0,000
11-02-2008	12:07:57	15028358,000	120,000	0,200	200,000	720,000
11-02-2008	12:17:57	15028509,000	151,000	0,252	251,667	906,000
11-02-2008	12:27:57	15028698,000	189,000	0,315	315,000	1134,000
11-02-2008	12:37:57	15028879,000	181,000	0,302	301,667	1086,000
11-02-2008	12:47:57	15029051,000	172,000	0,287	286,667	1032,000
11-02-2008	12:57:57	15029240,000	189,000	0,315	315,000	1134,000
11-02-2008	13:07:57	15029422,000	182,000	0,303	303,333	1092,000
11-02-2008	13:17:57	15029608,000	186,000	0,310	310,000	1116,000
11-02-2008	13:27:57	15029781,000	173,000	0,288	288,333	1038,000
11-02-2008	13:37:57	15029964,000	183,000	0,305	305,000	1098,000
11-02-2008	13:47:57	15030255,000	291,000	0,485	485,000	1746,000
11-02-2008	13:57:57	15030631,000	376,000	0,627	626,667	2256,000
11-02-2008	14:07:58	15031063,000	432,000	0,720	720,000	2592,000
11-02-2008	14:17:58	15031362,000	299,000	0,498	498,333	1794,000
11-02-2008	14:27:58	15031707,000	345,000	0,575	575,000	2070,000
11-02-2008	14:37:58	15032110,000	403,000	0,672	671,667	2418,000
11-02-2008	14:47:58	15032512,000	402,000	0,670	670,000	2412,000
11-02-2008	14:57:58	15032810,000	298,000	0,497	496,667	1788,000
11-02-2008	15:07:58	15033212,000	402,000	0,670	670,000	2412,000
11-02-2008	15:17:58	15033584,000	372,000	0,620	620,000	2232,000
11-02-2008	15:27:58	15033944,000	360,000	0,600	600,000	2160,000
11-02-2008	15:37:58	15034316,000	372,000	0,620	620,000	2232,000
11-02-2008	15:47:58	15034657,000	341,000	0,568	568,333	2046,000
11-02-2008	15:57:58	15035020,000	363,000	0,605	605,000	2178,000
11-02-2008	16:07:58	15035385,000	365,000	0,608	608,333	2190,000
11-02-2008	16:17:58	15035730,000	345,000	0,575	575,000	2070,000
11-02-2008	16:27:58	15036088,000	358,000	0,597	596,667	2148,000
11-02-2008	16:37:58	15036427,000	339,000	0,565	565,000	2034,000
11-02-2008	16:47:58	15036797,000	370,000	0,617	616,667	2220,000
11-02-2008	16:57:58	15037157,000	360,000	0,600	600,000	2160,000
11-02-2008	17:07:58	15037527,000	370,000	0,617	616,667	2220,000
11-02-2008	17:17:58	15037866,000	339,000	0,565	565,000	2034,000
11-02-2008	17:27:58	15038228,000	362,000	0,603	603,333	2172,000

11-02-2008	17:37:58	15038591,000	363,000	0,605	605,000	2178,000
11-02-2008	17:47:58	15038931,000	340,000	0,567	566,667	2040,000
11-02-2008	17:57:58	15039329,000	398,000	0,663	663,333	2388,000
11-02-2008	18:07:58	15039691,000	362,000	0,603	603,333	2172,000
11-02-2008	18:17:58	15039887,000	196,000	0,327	326,667	1176,000
11-02-2008	18:27:58	15040108,000	221,000	0,368	368,333	1326,000
11-02-2008	18:37:58	15040138,000	30,000	0,050	50,000	180,000
11-02-2008	18:50:08	15040139,000	1,000	0,001	1,370	4,932
11-02-2008	19:00:08	15040139,000	0,000	0,000	0,000	0,000
11-02-2008	19:10:08	15040139,000	0,000	0,000	0,000	0,000
11-02-2008	19:20:08	15040139,000	0,000	0,000	0,000	0,000
11-02-2008	19:30:08	15040140,000	1,000	0,002	1,667	6,000
11-02-2008	19:40:35	15040140,000	0,000	0,000	0,000	0,000
11-02-2008	19:51:37	15040140,000	0,000	0,000	0,000	0,000
11-02-2008	20:01:37	15040141,000	1,000	0,002	1,667	6,000
11-02-2008	20:11:37	15040141,000	0,000	0,000	0,000	0,000
11-02-2008	20:21:37	15040141,000	0,000	0,000	0,000	0,000
11-02-2008	20:31:37	15040141,000	0,000	0,000	0,000	0,000
11-02-2008	20:41:37	15040141,000	0,000	0,000	0,000	0,000
11-02-2008	20:51:37	15040142,000	1,000	0,002	1,667	6,000
11-02-2008	21:01:37	15040142,000	0,000	0,000	0,000	0,000
11-02-2008	21:11:37	15040142,000	0,000	0,000	0,000	0,000
11-02-2008	21:21:37	15040142,000	0,000	0,000	0,000	0,000
11-02-2008	21:31:38	15040142,000	0,000	0,000	0,000	0,000
11-02-2008	21:41:38	15040272,000	130,000	0,217	216,667	780,000
11-02-2008	21:51:38	15040471,000	199,000	0,332	331,667	1194,000
11-02-2008	22:01:38	15040622,000	151,000	0,252	251,667	906,000
11-02-2008	22:11:38	15040820,000	198,000	0,330	330,000	1188,000
11-02-2008	22:21:38	15041002,000	182,000	0,303	303,333	1092,000
11-02-2008	22:31:38	15041171,000	169,000	0,282	281,667	1014,000
11-02-2008	22:41:38	15041352,000	181,000	0,302	301,667	1086,000
11-02-2008	22:51:38	15041519,000	167,000	0,278	278,333	1002,000
11-02-2008	23:01:38	15041705,000	186,000	0,310	310,000	1116,000
11-02-2008	23:11:38	15041882,000	177,000	0,295	295,000	1062,000
11-02-2008	23:21:38	15042050,000	168,000	0,280	280,000	1008,000
11-02-2008	23:31:38	15042235,000	185,000	0,308	308,333	1110,000
11-02-2008	23:41:38	15042449,000	214,000	0,357	356,667	1284,000
11-02-2008	23:51:38	15042597,000	148,000	0,247	246,667	888,000
12-02-2008	00:00:04	15042766,000	169,000	0,282	281,667	1014,000

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	15042766,000				
12-02-2008	00:01:38	15042766,000	0,000	0,000	0,000	0,000
12-02-2008	00:11:38	15043051,000	285,000	0,475	475,000	1710,000
12-02-2008	00:21:38	15043486,000	435,000	0,725	725,000	2610,000
12-02-2008	00:31:38	15043846,000	360,000	0,600	600,000	2160,000
12-02-2008	00:41:38	15044180,000	334,000	0,557	556,667	2004,000
12-02-2008	00:51:38	15044551,000	371,000	0,618	618,333	2226,000
12-02-2008	01:01:38	15044903,000	352,000	0,587	586,667	2112,000
12-02-2008	01:11:38	15045238,000	335,000	0,558	558,333	2010,000
12-02-2008	01:21:38	15045605,000	367,000	0,612	611,667	2202,000
12-02-2008	01:31:38	15045959,000	354,000	0,590	590,000	2124,000
12-02-2008	01:41:38	15046323,000	364,000	0,607	606,667	2184,000
12-02-2008	01:51:38	15046659,000	336,000	0,560	560,000	2016,000
12-02-2008	02:01:38	15047016,000	357,000	0,595	595,000	2142,000
12-02-2008	02:11:38	15047376,000	360,000	0,600	600,000	2160,000
12-02-2008	02:21:38	15047712,000	336,000	0,560	560,000	2016,000
12-02-2008	02:31:39	15048063,000	351,000	0,585	585,000	2106,000
12-02-2008	02:41:39	15048397,000	334,000	0,557	556,667	2004,000
12-02-2008	02:51:39	15048759,000	362,000	0,603	603,333	2172,000
12-02-2008	03:01:39	15049112,000	353,000	0,588	588,333	2118,000
12-02-2008	03:11:39	15049472,000	360,000	0,600	600,000	2160,000
12-02-2008	03:21:39	15049805,000	333,000	0,555	555,000	1998,000
12-02-2008	03:31:39	15050158,000	353,000	0,588	588,333	2118,000
12-02-2008	03:41:39	15050516,000	358,000	0,597	596,667	2148,000
12-02-2008	03:51:39	15050850,000	334,000	0,557	556,667	2004,000
12-02-2008	04:01:39	15051198,000	348,000	0,580	580,000	2088,000
12-02-2008	04:11:39	15051531,000	333,000	0,555	555,000	1998,000
12-02-2008	04:21:39	15051893,000	362,000	0,603	603,333	2172,000
12-02-2008	04:31:39	15052243,000	350,000	0,583	583,333	2100,000
12-02-2008	04:41:39	15052598,000	355,000	0,592	591,667	2130,000
12-02-2008	04:51:39	15052934,000	336,000	0,560	560,000	2016,000
12-02-2008	05:01:39	15053351,000	417,000	0,695	695,000	2502,000
12-02-2008	05:11:39	15053611,000	260,000	0,433	433,333	1560,000
12-02-2008	05:21:39	15053972,000	361,000	0,602	601,667	2166,000
12-02-2008	05:31:39	15054389,000	417,000	0,695	695,000	2502,000
12-02-2008	05:41:40	15054748,000	359,000	0,598	598,333	2154,000
12-02-2008	05:51:40	15055095,000	347,000	0,578	578,333	2082,000
12-02-2008	06:01:40	15055357,000	262,000	0,437	436,667	1572,000
12-02-2008	06:11:40	15055784,000	427,000	0,712	711,667	2562,000
12-02-2008	06:21:40	15056136,000	352,000	0,587	586,667	2112,000
12-02-2008	06:31:40	15056489,000	353,000	0,588	588,333	2118,000
12-02-2008	06:41:40	15056821,000	332,000	0,553	553,333	1992,000
12-02-2008	06:51:40	15057166,000	345,000	0,575	575,000	2070,000
12-02-2008	07:01:40	15057494,000	328,000	0,547	546,667	1968,000
12-02-2008	07:11:40	15057852,000	358,000	0,597	596,667	2148,000
12-02-2008	07:21:40	15058198,000	346,000	0,577	576,667	2076,000
12-02-2008	07:31:40	15058555,000	357,000	0,595	595,000	2142,000
12-02-2008	07:41:40	15058884,000	329,000	0,548	548,333	1974,000
12-02-2008	07:51:40	15059234,000	350,000	0,583	583,333	2100,000
12-02-2008	08:01:40	15059584,000	350,000	0,583	583,333	2100,000
12-02-2008	08:11:40	15059917,000	333,000	0,555	555,000	1998,000

12-02-2008	08:21:40	15060262,000	345,000	0,575	575,000	2070,000
12-02-2008	08:31:40	15060452,000	190,000	0,317	316,667	1140,000
12-02-2008	08:41:40	15060632,000	180,000	0,300	300,000	1080,000
12-02-2008	08:51:40	15060807,000	175,000	0,292	291,667	1050,000
12-02-2008	09:01:40	15060988,000	181,000	0,302	301,667	1086,000
12-02-2008	09:11:40	15061154,000	166,000	0,277	276,667	996,000
12-02-2008	09:21:40	15061332,000	178,000	0,297	296,667	1068,000
12-02-2008	09:31:40	15061377,000	45,000	0,075	75,000	270,000
12-02-2008	09:41:40	15061377,000	0,000	0,000	0,000	0,000
12-02-2008	09:51:40	15061377,000	0,000	0,000	0,000	0,000
12-02-2008	10:01:40	15061378,000	1,000	0,002	1,667	6,000
12-02-2008	10:11:40	15061378,000	0,000	0,000	0,000	0,000
12-02-2008	10:21:40	15061378,000	0,000	0,000	0,000	0,000
12-02-2008	10:31:40	15061378,000	0,000	0,000	0,000	0,000
12-02-2008	10:41:40	15061379,000	1,000	0,002	1,667	6,000
12-02-2008	10:51:40	15061379,000	0,000	0,000	0,000	0,000
12-02-2008	11:01:40	15061379,000	0,000	0,000	0,000	0,000
12-02-2008	11:11:40	15061379,000	0,000	0,000	0,000	0,000
12-02-2008	11:21:40	15061379,000	0,000	0,000	0,000	0,000
12-02-2008	11:31:40	15061380,000	1,000	0,002	1,667	6,000
12-02-2008	11:41:41	15061380,000	0,000	0,000	0,000	0,000
12-02-2008	11:51:41	15061380,000	0,000	0,000	0,000	0,000
12-02-2008	12:01:41	15061380,000	0,000	0,000	0,000	0,000
12-02-2008	12:11:41	15061380,000	0,000	0,000	0,000	0,000
12-02-2008	12:21:41	15061381,000	1,000	0,002	1,667	6,000
12-02-2008	12:31:41	15061381,000	0,000	0,000	0,000	0,000
12-02-2008	12:41:41	15061381,000	0,000	0,000	0,000	0,000
12-02-2008	12:51:41	15061381,000	0,000	0,000	0,000	0,000
12-02-2008	13:01:41	15061381,000	0,000	0,000	0,000	0,000
12-02-2008	13:11:41	15061537,000	156,000	0,260	260,000	936,000
12-02-2008	13:21:41	15061727,000	190,000	0,317	316,667	1140,000
12-02-2008	13:31:41	15061946,000	219,000	0,365	365,000	1314,000
12-02-2008	13:41:41	15062230,000	284,000	0,473	473,333	1704,000
12-02-2008	13:51:41	15062573,000	343,000	0,572	571,667	2058,000
12-02-2008	14:01:41	15062939,000	366,000	0,610	610,000	2196,000
12-02-2008	14:11:41	15063279,000	340,000	0,567	566,667	2040,000
12-02-2008	14:21:41	15063654,000	375,000	0,625	625,000	2250,000
12-02-2008	14:31:41	15064085,000	431,000	0,718	718,333	2586,000
12-02-2008	14:41:41	15064426,000	341,000	0,568	568,333	2046,000
12-02-2008	14:51:41	15064763,000	337,000	0,562	561,667	2022,000
12-02-2008	15:01:41	15065176,000	413,000	0,688	688,333	2478,000
12-02-2008	15:11:41	15065447,000	271,000	0,452	451,667	1626,000
12-02-2008	15:21:41	15065884,000	437,000	0,728	728,333	2622,000
12-02-2008	15:31:41	15066254,000	370,000	0,617	616,667	2220,000
12-02-2008	15:41:41	15066528,000	274,000	0,457	456,667	1644,000
12-02-2008	15:51:41	15066891,000	363,000	0,605	605,000	2178,000
12-02-2008	16:01:41	15067329,000	438,000	0,730	730,000	2628,000
12-02-2008	16:11:41	15067693,000	364,000	0,607	606,667	2184,000
12-02-2008	16:21:41	15068038,000	345,000	0,575	575,000	2070,000
12-02-2008	16:31:41	15068407,000	369,000	0,615	615,000	2214,000
12-02-2008	16:41:41	15068702,000	295,000	0,492	491,667	1770,000
12-02-2008	16:51:42	15069072,000	370,000	0,617	616,667	2220,000
12-02-2008	17:01:42	15069432,000	360,000	0,600	600,000	2160,000
12-02-2008	17:11:42	15069799,000	367,000	0,612	611,667	2202,000
12-02-2008	17:21:42	15070197,000	398,000	0,663	663,333	2388,000

12-02-2008	17:31:42	15070465,000	268,000	0,447	446,667	1608,000
12-02-2008	17:41:42	15070863,000	398,000	0,663	663,333	2388,000
12-02-2008	17:51:42	15071260,000	397,000	0,662	661,667	2382,000
12-02-2008	18:01:42	15071557,000	297,000	0,495	495,000	1782,000
12-02-2008	18:11:42	15071952,000	395,000	0,658	658,333	2370,000
12-02-2008	18:21:42	15072254,000	302,000	0,503	503,333	1812,000
12-02-2008	18:31:42	15072339,000	85,000	0,142	141,667	510,000
12-02-2008	18:41:42	15072339,000	0,000	0,000	0,000	0,000
12-02-2008	18:51:42	15072339,000	0,000	0,000	0,000	0,000
12-02-2008	19:01:42	15072340,000	1,000	0,002	1,667	6,000
12-02-2008	19:11:42	15072340,000	0,000	0,000	0,000	0,000
12-02-2008	19:21:42	15072340,000	0,000	0,000	0,000	0,000
12-02-2008	19:31:42	15072340,000	0,000	0,000	0,000	0,000
12-02-2008	19:41:42	15072341,000	1,000	0,002	1,667	6,000
12-02-2008	19:51:42	15072341,000	0,000	0,000	0,000	0,000
12-02-2008	20:01:42	15072341,000	0,000	0,000	0,000	0,000
12-02-2008	20:11:42	15072341,000	0,000	0,000	0,000	0,000
12-02-2008	20:21:42	15072341,000	0,000	0,000	0,000	0,000
12-02-2008	20:31:42	15072341,000	0,000	0,000	0,000	0,000
12-02-2008	20:41:42	15072342,000	1,000	0,002	1,667	6,000
12-02-2008	20:51:42	15072342,000	0,000	0,000	0,000	0,000
12-02-2008	21:01:42	15072342,000	0,000	0,000	0,000	0,000
12-02-2008	21:11:42	15072342,000	0,000	0,000	0,000	0,000
12-02-2008	21:21:42	15072342,000	0,000	0,000	0,000	0,000
12-02-2008	21:31:43	15072343,000	1,000	0,002	1,667	6,000
12-02-2008	21:41:43	15072489,000	146,000	0,243	243,333	876,000
12-02-2008	21:51:43	15072640,000	151,000	0,252	251,667	906,000
12-02-2008	22:01:43	15072846,000	206,000	0,343	343,333	1236,000
12-02-2008	22:11:43	15073073,000	227,000	0,378	378,333	1362,000
12-02-2008	22:21:43	15073480,000	407,000	0,678	678,333	2442,000
12-02-2008	22:31:43	15073887,000	407,000	0,678	678,333	2442,000
12-02-2008	22:41:43	15074195,000	308,000	0,513	513,333	1848,000
12-02-2008	22:51:43	15074602,000	407,000	0,678	678,333	2442,000
12-02-2008	23:01:43	15074905,000	303,000	0,505	505,000	1818,000
12-02-2008	23:11:43	15075312,000	407,000	0,678	678,333	2442,000
12-02-2008	23:21:43	15075613,000	301,000	0,502	501,667	1806,000
12-02-2008	23:31:43	15076018,000	405,000	0,675	675,000	2430,000
12-02-2008	23:41:43	15076422,000	404,000	0,673	673,333	2424,000
12-02-2008	23:51:43	15076726,000	304,000	0,507	506,667	1824,000
13-02-2008	00:00:24	15077035,000	309,000	0,593	593,090	2135,125

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	15077035,000				
13-02-2008	00:01:43	15077131,000	96,000	1,215	1215,190	4374,684
13-02-2008	00:11:43	15077499,000	368,000	0,613	613,333	2208,000
13-02-2008	00:21:43	15077843,000	344,000	0,573	573,333	2064,000
13-02-2008	00:31:43	15078205,000	362,000	0,603	603,333	2172,000
13-02-2008	00:41:43	15078576,000	371,000	0,618	618,333	2226,000
13-02-2008	00:51:43	15078917,000	341,000	0,568	568,333	2046,000
13-02-2008	01:01:43	15079281,000	364,000	0,607	606,667	2184,000
13-02-2008	01:11:43	15079648,000	367,000	0,612	611,667	2202,000
13-02-2008	01:21:43	15079988,000	340,000	0,567	566,667	2040,000
13-02-2008	01:31:43	15080351,000	363,000	0,605	605,000	2178,000
13-02-2008	01:41:43	15080716,000	365,000	0,608	608,333	2190,000
13-02-2008	01:51:43	15081060,000	344,000	0,573	573,333	2064,000
13-02-2008	02:01:43	15081419,000	359,000	0,598	598,333	2154,000
13-02-2008	02:11:43	15081785,000	366,000	0,610	610,000	2196,000
13-02-2008	02:21:43	15082156,000	371,000	0,618	618,333	2226,000
13-02-2008	02:31:43	15082555,000	399,000	0,665	665,000	2394,000
13-02-2008	02:41:43	15082851,000	296,000	0,493	493,333	1776,000
13-02-2008	02:51:43	15083189,000	338,000	0,563	563,333	2028,000
13-02-2008	03:01:43	15083550,000	361,000	0,602	601,667	2166,000
13-02-2008	03:11:43	15083987,000	437,000	0,728	728,333	2622,000
13-02-2008	03:21:43	15084253,000	266,000	0,443	443,333	1596,000
13-02-2008	03:31:43	15084611,000	358,000	0,597	596,667	2148,000
13-02-2008	03:41:43	15085049,000	438,000	0,730	730,000	2628,000
13-02-2008	03:51:43	15085405,000	356,000	0,593	593,333	2136,000
13-02-2008	04:01:43	15085671,000	266,000	0,443	443,333	1596,000
13-02-2008	04:11:43	15086105,000	434,000	0,723	723,333	2604,000
13-02-2008	04:21:43	15086464,000	359,000	0,598	598,333	2154,000
13-02-2008	04:31:43	15086797,000	333,000	0,555	555,000	1998,000
13-02-2008	04:41:43	15087160,000	363,000	0,605	605,000	2178,000
13-02-2008	04:51:43	15087518,000	358,000	0,597	596,667	2148,000
13-02-2008	05:01:43	15087879,000	361,000	0,602	601,667	2166,000
13-02-2008	05:11:43	15088219,000	340,000	0,567	566,667	2040,000
13-02-2008	05:21:43	15088572,000	353,000	0,588	588,333	2118,000
13-02-2008	05:31:44	15088934,000	362,000	0,603	603,333	2172,000
13-02-2008	05:41:44	15089274,000	340,000	0,567	566,667	2040,000
13-02-2008	05:51:44	15089631,000	357,000	0,595	595,000	2142,000
13-02-2008	06:01:44	15089990,000	359,000	0,598	598,333	2154,000
13-02-2008	06:11:44	15090325,000	335,000	0,558	558,333	2010,000
13-02-2008	06:21:44	15090681,000	356,000	0,593	593,333	2136,000
13-02-2008	06:31:44	15090954,000	273,000	0,455	455,000	1638,000
13-02-2008	06:41:44	15091125,000	171,000	0,285	285,000	1026,000
13-02-2008	06:51:44	15091304,000	179,000	0,298	298,333	1074,000
13-02-2008	07:01:44	15091488,000	184,000	0,307	306,667	1104,000
13-02-2008	07:11:44	15091658,000	170,000	0,283	283,333	1020,000
13-02-2008	07:21:44	15091838,000	180,000	0,300	300,000	1080,000
13-02-2008	07:31:44	15092022,000	184,000	0,307	306,667	1104,000
13-02-2008	07:41:44	15092191,000	169,000	0,282	281,667	1014,000
13-02-2008	07:51:44	15092372,000	181,000	0,302	301,667	1086,000
13-02-2008	08:01:44	15092556,000	184,000	0,307	306,667	1104,000

13-02-2008	08:11:44	15092757,000	201,000	0,335	335,000	1206,000
13-02-2008	08:21:44	15092928,000	171,000	0,285	285,000	1026,000
13-02-2008	08:31:44	15093108,000	180,000	0,300	300,000	1080,000
13-02-2008	08:41:44	15093293,000	185,000	0,308	308,333	1110,000
13-02-2008	08:51:44	15093463,000	170,000	0,283	283,333	1020,000
13-02-2008	09:01:44	15093646,000	183,000	0,305	305,000	1098,000
13-02-2008	09:11:44	15093829,000	183,000	0,305	305,000	1098,000
13-02-2008	09:21:44	15094000,000	171,000	0,285	285,000	1026,000
13-02-2008	09:31:44	15094112,000	112,000	0,187	186,667	672,000
13-02-2008	09:41:44	15094112,000	0,000	0,000	0,000	0,000
13-02-2008	09:51:44	15094113,000	1,000	0,002	1,667	6,000
13-02-2008	10:01:44	15094113,000	0,000	0,000	0,000	0,000
13-02-2008	10:11:44	15094114,000	1,000	0,002	1,667	6,000
13-02-2008	10:21:44	15094114,000	0,000	0,000	0,000	0,000
13-02-2008	10:31:44	15094114,000	0,000	0,000	0,000	0,000
13-02-2008	10:41:44	15094115,000	1,000	0,002	1,667	6,000
13-02-2008	10:51:45	15094115,000	0,000	0,000	0,000	0,000
13-02-2008	11:01:45	15094116,000	1,000	0,002	1,667	6,000
13-02-2008	11:11:45	15094116,000	0,000	0,000	0,000	0,000
13-02-2008	11:21:45	15094116,000	0,000	0,000	0,000	0,000
13-02-2008	11:31:45	15094117,000	1,000	0,002	1,667	6,000
13-02-2008	11:41:45	15094117,000	0,000	0,000	0,000	0,000
13-02-2008	11:51:45	15094117,000	0,000	0,000	0,000	0,000
13-02-2008	12:01:45	15094118,000	1,000	0,002	1,667	6,000
13-02-2008	12:11:45	15094118,000	0,000	0,000	0,000	0,000
13-02-2008	12:22:05	15094118,000	0,000	0,000	0,000	0,000
13-02-2008	12:32:49	15094119,000	1,000	0,002	1,667	6,000
13-02-2008	12:42:50	15094119,000	0,000	0,000	0,000	0,000
13-02-2008	12:52:50	15094271,000	152,000	0,253	253,333	912,000
13-02-2008	13:02:50	15094453,000	182,000	0,303	303,333	1092,000
13-02-2008	13:12:50	15094636,000	183,000	0,305	305,000	1098,000
13-02-2008	13:22:50	15094808,000	172,000	0,287	286,667	1032,000
13-02-2008	13:32:50	15094991,000	183,000	0,305	305,000	1098,000
13-02-2008	13:42:50	15095175,000	184,000	0,307	306,667	1104,000
13-02-2008	13:52:50	15095346,000	171,000	0,285	285,000	1026,000
13-02-2008	14:02:50	15095528,000	182,000	0,303	303,333	1092,000
13-02-2008	14:12:50	15095710,000	182,000	0,303	303,333	1092,000
13-02-2008	14:22:50	15095880,000	170,000	0,283	283,333	1020,000
13-02-2008	14:32:50	15096062,000	182,000	0,303	303,333	1092,000
13-02-2008	14:42:50	15096243,000	181,000	0,302	301,667	1086,000
13-02-2008	14:52:50	15096412,000	169,000	0,282	281,667	1014,000
13-02-2008	15:02:50	15096593,000	181,000	0,302	301,667	1086,000
13-02-2008	15:12:50	15096775,000	182,000	0,303	303,333	1092,000
13-02-2008	15:22:50	15096946,000	171,000	0,285	285,000	1026,000
13-02-2008	15:32:50	15097302,000	356,000	0,593	593,333	2136,000
13-02-2008	15:42:50	15097739,000	437,000	0,728	728,333	2622,000
13-02-2008	15:52:50	15098101,000	362,000	0,603	603,333	2172,000
13-02-2008	16:02:50	15098365,000	264,000	0,440	440,000	1584,000
13-02-2008	16:12:50	15098802,000	437,000	0,728	728,333	2622,000
13-02-2008	16:22:50	15099162,000	360,000	0,600	600,000	2160,000
13-02-2008	16:32:50	15099524,000	362,000	0,603	603,333	2172,000
13-02-2008	16:42:50	15099862,000	338,000	0,563	563,333	2028,000
13-02-2008	16:52:50	15100221,000	359,000	0,598	598,333	2154,000
13-02-2008	17:02:50	15100549,000	328,000	0,547	546,667	1968,000
13-02-2008	17:12:50	15100889,000	340,000	0,567	566,667	2040,000

13-02-2008	17:22:51	15101245,000	356,000	0,593	593,333	2136,000
13-02-2008	17:32:51	15101602,000	357,000	0,595	595,000	2142,000
13-02-2008	17:42:51	15101934,000	332,000	0,553	553,333	1992,000
13-02-2008	17:52:51	15102290,000	356,000	0,593	593,333	2136,000
13-02-2008	18:02:51	15102649,000	359,000	0,598	598,333	2154,000
13-02-2008	18:12:51	15102981,000	332,000	0,553	553,333	1992,000
13-02-2008	18:22:51	15103335,000	354,000	0,590	590,000	2124,000
13-02-2008	18:32:51	15103441,000	106,000	0,177	176,667	636,000
13-02-2008	18:42:51	15103442,000	1,000	0,002	1,667	6,000
13-02-2008	18:52:51	15103442,000	0,000	0,000	0,000	0,000
13-02-2008	19:02:51	15103443,000	1,000	0,002	1,667	6,000
13-02-2008	19:12:51	15103443,000	0,000	0,000	0,000	0,000
13-02-2008	19:22:51	15103443,000	0,000	0,000	0,000	0,000
13-02-2008	19:32:51	15103444,000	1,000	0,002	1,667	6,000
13-02-2008	19:42:51	15103444,000	0,000	0,000	0,000	0,000
13-02-2008	19:52:51	15103444,000	0,000	0,000	0,000	0,000
13-02-2008	20:02:51	15103445,000	1,000	0,002	1,667	6,000
13-02-2008	20:12:51	15103445,000	0,000	0,000	0,000	0,000
13-02-2008	20:22:51	15103445,000	0,000	0,000	0,000	0,000
13-02-2008	20:32:51	15103445,000	0,000	0,000	0,000	0,000
13-02-2008	20:42:51	15103446,000	1,000	0,002	1,667	6,000
13-02-2008	20:52:51	15103446,000	0,000	0,000	0,000	0,000
13-02-2008	21:02:51	15103446,000	0,000	0,000	0,000	0,000
13-02-2008	21:12:51	15103519,000	73,000	0,122	121,667	438,000
13-02-2008	21:22:51	15103741,000	222,000	0,370	370,000	1332,000
13-02-2008	21:32:51	15103928,000	187,000	0,312	311,667	1122,000
13-02-2008	21:42:51	15104113,000	185,000	0,308	308,333	1110,000
13-02-2008	21:52:51	15104251,000	138,000	0,230	230,000	828,000
13-02-2008	22:02:51	15104474,000	223,000	0,372	371,667	1338,000
13-02-2008	22:12:51	15104659,000	185,000	0,308	308,333	1110,000
13-02-2008	22:22:51	15104845,000	186,000	0,310	310,000	1116,000
13-02-2008	22:32:52	15105017,000	172,000	0,287	286,667	1032,000
13-02-2008	22:42:52	15105202,000	185,000	0,308	308,333	1110,000
13-02-2008	22:52:52	15105387,000	185,000	0,308	308,333	1110,000
13-02-2008	23:02:52	15105560,000	173,000	0,288	288,333	1038,000
13-02-2008	23:12:52	15105744,000	184,000	0,307	306,667	1104,000
13-02-2008	23:22:52	15105929,000	185,000	0,308	308,333	1110,000
13-02-2008	23:32:52	15106103,000	174,000	0,290	290,000	1044,000
13-02-2008	23:42:52	15106287,000	184,000	0,307	306,667	1104,000
13-02-2008	23:52:52	15106473,000	186,000	0,310	310,000	1116,000
14-02-2008	00:00:13	15106608,000	135,000	0,306	306,122	1102,041

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:14	15106608,000				
14-02-2008	00:02:52	15106653,000	45,000	0,285	284,810	1025,316
14-02-2008	00:12:52	15107014,000	361,000	0,602	601,667	2166,000
14-02-2008	00:22:52	15107377,000	363,000	0,605	605,000	2178,000
14-02-2008	00:32:52	15107715,000	338,000	0,563	563,333	2028,000
14-02-2008	00:42:52	15108075,000	360,000	0,600	600,000	2160,000
14-02-2008	00:52:52	15108438,000	363,000	0,605	605,000	2178,000
14-02-2008	01:02:52	15108780,000	342,000	0,570	570,000	2052,000
14-02-2008	01:12:52	15109139,000	359,000	0,598	598,333	2154,000
14-02-2008	01:22:53	15109500,000	361,000	0,602	601,667	2166,000
14-02-2008	01:32:53	15109837,000	337,000	0,562	561,667	2022,000
14-02-2008	01:42:53	15110196,000	359,000	0,598	598,333	2154,000
14-02-2008	01:52:53	15110567,000	371,000	0,618	618,333	2226,000
14-02-2008	02:02:53	15110907,000	340,000	0,567	566,667	2040,000
14-02-2008	02:12:53	15111276,000	369,000	0,615	615,000	2214,000
14-02-2008	02:22:53	15111637,000	361,000	0,602	601,667	2166,000
14-02-2008	02:32:53	15111975,000	338,000	0,563	563,333	2028,000
14-02-2008	02:42:53	15112333,000	358,000	0,597	596,667	2148,000
14-02-2008	02:52:53	15112691,000	358,000	0,597	596,667	2148,000
14-02-2008	03:02:53	15113025,000	334,000	0,557	556,667	2004,000
14-02-2008	03:12:53	15113382,000	357,000	0,595	595,000	2142,000
14-02-2008	03:22:54	15113712,000	330,000	0,550	550,000	1980,000
14-02-2008	03:32:54	15114072,000	360,000	0,600	600,000	2160,000
14-02-2008	03:42:54	15114428,000	356,000	0,593	593,333	2136,000
14-02-2008	03:52:54	15114784,000	356,000	0,593	593,333	2136,000
14-02-2008	04:02:54	15115122,000	338,000	0,563	563,333	2028,000
14-02-2008	04:12:54	15115477,000	355,000	0,592	591,667	2130,000
14-02-2008	04:22:54	15115833,000	356,000	0,593	593,333	2136,000
14-02-2008	04:32:54	15116165,000	332,000	0,553	553,333	1992,000
14-02-2008	04:42:54	15116520,000	355,000	0,592	591,667	2130,000
14-02-2008	04:52:54	15116948,000	428,000	0,713	713,333	2568,000
14-02-2008	05:02:54	15117207,000	259,000	0,432	431,667	1554,000
14-02-2008	05:12:55	15117538,000	331,000	0,552	551,667	1986,000
14-02-2008	05:22:55	15117750,000	212,000	0,353	353,333	1272,000
14-02-2008	05:32:55	15117926,000	176,000	0,293	293,333	1056,000
14-02-2008	05:42:55	15118103,000	177,000	0,295	295,000	1062,000
14-02-2008	05:52:55	15118269,000	166,000	0,277	276,667	996,000
14-02-2008	06:02:55	15118445,000	176,000	0,293	293,333	1056,000
14-02-2008	06:12:55	15118623,000	178,000	0,297	296,667	1068,000
14-02-2008	06:22:55	15118789,000	166,000	0,277	276,667	996,000
14-02-2008	06:32:55	15118965,000	176,000	0,293	293,333	1056,000
14-02-2008	06:42:55	15119142,000	177,000	0,295	295,000	1062,000
14-02-2008	06:52:55	15119306,000	164,000	0,273	273,333	984,000
14-02-2008	07:02:55	15119482,000	176,000	0,293	293,333	1056,000
14-02-2008	07:12:55	15119660,000	178,000	0,297	296,667	1068,000
14-02-2008	07:22:55	15119827,000	167,000	0,278	278,333	1002,000
14-02-2008	07:32:56	15120003,000	176,000	0,293	293,333	1056,000
14-02-2008	07:42:56	15120180,000	177,000	0,295	295,000	1062,000
14-02-2008	07:52:56	15120345,000	165,000	0,275	275,000	990,000
14-02-2008	08:02:56	15120520,000	175,000	0,292	291,667	1050,000

14-02-2008	08:12:56	15120697,000	177,000	0,295	295,000	1062,000
14-02-2008	08:22:56	15120862,000	165,000	0,275	275,000	990,000
14-02-2008	08:32:56	15121038,000	176,000	0,293	293,333	1056,000
14-02-2008	08:42:56	15121214,000	176,000	0,293	293,333	1056,000
14-02-2008	08:52:56	15121381,000	167,000	0,278	278,333	1002,000
14-02-2008	09:02:56	15121557,000	176,000	0,293	293,333	1056,000
14-02-2008	09:12:56	15121733,000	176,000	0,293	293,333	1056,000
14-02-2008	09:22:56	15121867,000	134,000	0,223	223,333	804,000
14-02-2008	09:32:56	15121868,000	1,000	0,002	1,667	6,000
14-02-2008	09:42:56	15121868,000	0,000	0,000	0,000	0,000
14-02-2008	09:52:56	15121869,000	1,000	0,002	1,667	6,000
14-02-2008	10:02:56	15121869,000	0,000	0,000	0,000	0,000
14-02-2008	10:12:56	15121869,000	0,000	0,000	0,000	0,000
14-02-2008	10:22:56	15121870,000	1,000	0,002	1,667	6,000
14-02-2008	10:32:56	15121870,000	0,000	0,000	0,000	0,000
14-02-2008	10:42:56	15121870,000	0,000	0,000	0,000	0,000
14-02-2008	10:52:56	15121871,000	1,000	0,002	1,667	6,000
14-02-2008	11:02:56	15121871,000	0,000	0,000	0,000	0,000
14-02-2008	11:12:56	15121871,000	0,000	0,000	0,000	0,000
14-02-2008	11:22:56	15121872,000	1,000	0,002	1,667	6,000
14-02-2008	11:32:56	15121872,000	0,000	0,000	0,000	0,000
14-02-2008	11:42:56	15121872,000	0,000	0,000	0,000	0,000
14-02-2008	11:52:56	15121873,000	1,000	0,002	1,667	6,000
14-02-2008	12:02:56	15121873,000	0,000	0,000	0,000	0,000
14-02-2008	12:12:56	15121873,000	0,000	0,000	0,000	0,000
14-02-2008	12:22:56	15121874,000	1,000	0,002	1,667	6,000
14-02-2008	12:32:56	15121874,000	0,000	0,000	0,000	0,000
14-02-2008	12:42:56	15121874,000	0,000	0,000	0,000	0,000
14-02-2008	12:52:57	15121875,000	1,000	0,002	1,667	6,000
14-02-2008	13:02:57	15122007,000	132,000	0,220	220,000	792,000
14-02-2008	13:12:57	15122180,000	173,000	0,288	288,333	1038,000
14-02-2008	13:22:57	15122365,000	185,000	0,308	308,333	1110,000
14-02-2008	13:32:57	15122551,000	186,000	0,310	310,000	1116,000
14-02-2008	13:42:57	15122724,000	173,000	0,288	288,333	1038,000
14-02-2008	13:52:57	15122909,000	185,000	0,308	308,333	1110,000
14-02-2008	14:02:57	15123094,000	185,000	0,308	308,333	1110,000
14-02-2008	14:12:57	15123268,000	174,000	0,290	290,000	1044,000
14-02-2008	14:22:57	15123452,000	184,000	0,307	306,667	1104,000
14-02-2008	14:32:57	15123637,000	185,000	0,308	308,333	1110,000
14-02-2008	14:42:57	15123809,000	172,000	0,287	286,667	1032,000
14-02-2008	14:52:57	15123994,000	185,000	0,308	308,333	1110,000
14-02-2008	15:02:57	15124309,000	315,000	0,525	525,000	1890,000
14-02-2008	15:12:57	15124679,000	370,000	0,617	616,667	2220,000
14-02-2008	15:22:57	15125118,000	439,000	0,732	731,667	2634,000
14-02-2008	15:32:57	15125413,000	295,000	0,492	491,667	1770,000
14-02-2008	15:42:57	15125761,000	348,000	0,580	580,000	2088,000
14-02-2008	15:52:57	15126129,000	368,000	0,613	613,333	2208,000
14-02-2008	16:02:57	15126558,000	429,000	0,715	715,000	2574,000
14-02-2008	16:12:57	15126894,000	336,000	0,560	560,000	2016,000
14-02-2008	16:22:57	15127226,000	332,000	0,553	553,333	1992,000
14-02-2008	16:32:57	15127556,000	330,000	0,550	550,000	1980,000
14-02-2008	16:42:57	15127928,000	372,000	0,620	620,000	2232,000
14-02-2008	16:52:57	15128360,000	432,000	0,720	720,000	2592,000
14-02-2008	17:02:57	15128702,000	342,000	0,570	570,000	2052,000
14-02-2008	17:12:57	15129057,000	355,000	0,592	591,667	2130,000

14-02-2008	17:22:57	15129399,000	342,000	0,570	570,000	2052,000
14-02-2008	17:32:57	15129736,000	337,000	0,562	561,667	2022,000
14-02-2008	17:42:57	15130092,000	356,000	0,593	593,333	2136,000
14-02-2008	17:52:57	15130428,000	336,000	0,560	560,000	2016,000
14-02-2008	18:02:57	15130860,000	432,000	0,720	720,000	2592,000
14-02-2008	18:12:57	15131215,000	355,000	0,592	591,667	2130,000
14-02-2008	18:22:57	15131557,000	342,000	0,570	570,000	2052,000
14-02-2008	18:32:57	15131744,000	187,000	0,312	311,667	1122,000
14-02-2008	18:42:58	15131744,000	0,000	0,000	0,000	0,000
14-02-2008	18:52:58	15131744,000	0,000	0,000	0,000	0,000
14-02-2008	19:02:58	15131745,000	1,000	0,002	1,667	6,000
14-02-2008	19:12:58	15131745,000	0,000	0,000	0,000	0,000
14-02-2008	19:22:58	15131745,000	0,000	0,000	0,000	0,000
14-02-2008	19:32:58	15131745,000	0,000	0,000	0,000	0,000
14-02-2008	19:42:58	15131745,000	0,000	0,000	0,000	0,000
14-02-2008	19:52:58	15131745,000	0,000	0,000	0,000	0,000
14-02-2008	20:02:58	15131745,000	0,000	0,000	0,000	0,000
14-02-2008	20:12:58	15131745,000	0,000	0,000	0,000	0,000
14-02-2008	20:22:58	15131745,000	0,000	0,000	0,000	0,000
14-02-2008	20:32:58	15131746,000	1,000	0,002	1,667	6,000
14-02-2008	20:42:58	15131746,000	0,000	0,000	0,000	0,000
14-02-2008	20:52:58	15131746,000	0,000	0,000	0,000	0,000
14-02-2008	21:02:58	15131746,000	0,000	0,000	0,000	0,000
14-02-2008	21:12:58	15131862,000	116,000	0,193	193,333	696,000
14-02-2008	21:22:58	15132031,000	169,000	0,282	281,667	1014,000
14-02-2008	21:32:58	15132202,000	171,000	0,285	285,000	1026,000
14-02-2008	21:42:58	15132383,000	181,000	0,302	301,667	1086,000
14-02-2008	21:52:58	15132552,000	169,000	0,282	281,667	1014,000
14-02-2008	22:02:58	15132732,000	180,000	0,300	300,000	1080,000
14-02-2008	22:12:58	15132902,000	170,000	0,283	283,333	1020,000
14-02-2008	22:22:58	15133119,000	217,000	0,362	361,667	1302,000
14-02-2008	22:32:58	15133290,000	171,000	0,285	285,000	1026,000
14-02-2008	22:42:58	15133470,000	180,000	0,300	300,000	1080,000
14-02-2008	22:52:58	15133639,000	169,000	0,282	281,667	1014,000
14-02-2008	23:02:58	15133821,000	182,000	0,303	303,333	1092,000
14-02-2008	23:12:58	15133990,000	169,000	0,282	281,667	1014,000
14-02-2008	23:22:58	15134208,000	218,000	0,363	363,333	1308,000
14-02-2008	23:32:58	15134380,000	172,000	0,287	286,667	1032,000
14-02-2008	23:42:58	15134561,000	181,000	0,302	301,667	1086,000
14-02-2008	23:52:59	15134730,000	169,000	0,282	281,667	1014,000
15-02-2008	00:00:02	15134863,000	133,000	0,314	314,421	1131,915

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	Caudais Médios m3/h	Caudal Médio Horário
Hora	**Caudal (m3/h)**							
00:00-00:10	1187,069	788,262	1059,740	1710,000	2208,000	2166,000	1519,845	1609,974
00:10-00:20	1110,000	1194,000	1110,000	2610,000	2064,000	2178,000	1711,000	
00:20-00:30	1116,000	1026,000	1116,000	2160,000	2172,000	2028,000	1603,000	
00:30-00:40	1140,000	1080,000	1056,000	2004,000	2226,000	2160,000	1611,000	
00:40-00:50	1128,000	1092,000	1092,000	2226,000	2046,000	2178,000	1627,000	
00:50-01:00	1116,000	1020,000	1044,000	2112,000	2184,000	2052,000	1588,000	
01:00-01:10	1116,000	1080,000	1134,000	2010,000	2202,000	2154,000	1616,000	1606,833
01:10-01:20	822,000	1092,000	1098,000	2202,000	2040,000	2166,000	1570,000	
01:20-01:30	1230,000	1014,000	1134,000	2124,000	2178,000	2022,000	1617,000	
01:30-01:40	1230,000	1092,000	1050,000	2184,000	2190,000	2154,000	1650,000	
01:40-01:50	924,000	1080,000	1110,000	2016,000	2064,000	2226,000	1570,000	
01:50-02:00	1230,000	1020,000	1122,000	2142,000	2154,000	2040,000	1618,000	
02:00-02:10	930,000	1656,000	1044,000	2160,000	2196,000	2214,000	1700,000	2063,000
02:10-02:20	2334,000	2616,000	2280,000	2016,000	2226,000	2166,000	2273,000	
02:20-02:30	1782,000	1770,000	2436,000	2106,000	2394,000	2028,000	2086,000	
02:30-02:40	2412,000	2376,000	1806,000	2004,000	1776,000	2148,000	2087,000	
02:40-02:50	2214,000	1770,000	2430,000	2172,000	2028,000	2148,000	2127,000	
02:50-03:00	2172,000	2370,000	1800,000	2118,000	2166,000	2004,000	2105,000	
03:00-03:10	2196,000	2376,000	2424,000	2160,000	2622,000	2142,000	2320,000	2132,500
03:10-03:20	2034,000	1800,000	2424,000	1998,000	1596,000	1980,000	1972,000	
03:20-03:30	2196,000	2364,000	1824,000	2118,000	2148,000	2160,000	2135,000	
03:30-03:40	2160,000	1776,000	2418,000	2148,000	2628,000	2136,000	2211,000	
03:40-03:50	2034,000	2370,000	1836,000	2004,000	2136,000	2136,000	2086,000	
03:50-04:00	2166,000	2136,000	2412,000	2088,000	1596,000	2028,000	2071,000	
04:00-04:10	2172,000	2142,000	1788,000	1998,000	2604,000	2130,000	2139,000	2127,000
04:10-04:20	2040,000	1998,000	2406,000	2172,000	2154,000	2136,000	2151,000	
04:20-04:30	2160,000	2130,000	2400,000	2100,000	1998,000	1992,000	2130,000	
04:30-04:40	2184,000	2148,000	1788,000	2130,000	2178,000	2130,000	2093,000	
04:40-04:50	2028,000	1992,000	2400,000	2016,000	2148,000	2568,000	2192,000	
04:50-05:00	2178,000	2142,000	1800,000	2502,000	2166,000	1554,000	2057,000	
05:00-05:10	2154,000	2118,000	2394,000	1560,000	2040,000	1986,000	2042,000	1955,167
05:10-05:20	2028,000	2340,000	2394,000	2166,000	2118,000	1272,000	2053,000	
05:20-05:30	2148,000	1764,000	1806,000	2502,000	2172,000	1056,000	1908,000	
05:30-05:40	2160,000	2334,000	2388,000	2154,000	2040,000	1062,000	2023,000	
05:40-05:50	2022,000	1776,000	2166,000	2082,000	2142,000	996,000	1864,000	
05:50-06:00	2142,000	2118,000	2004,000	1572,000	2154,000	1056,000	1841,000	
06:00-06:10	2598,000	2112,000	2226,000	2562,000	2010,000	1068,000	2096,000	1831,500
06:10-06:20	2142,000	2160,000	2112,000	2112,000	2136,000	996,000	1943,000	
06:20-06:30	1578,000	2148,000	2010,000	2118,000	1638,000	1056,000	1758,000	
06:30-06:40	2586,000	2124,000	2214,000	1992,000	1026,000	1062,000	1834,000	
06:40-06:50	2130,000	2100,000	2112,000	2070,000	1074,000	984,000	1745,000	
06:50-07:00	1590,000	1752,000	2208,000	1968,000	1104,000	1056,000	1613,000	
07:00-07:10	2574,000	2490,000	2022,000	2148,000	1020,000	1068,000	1887,000	1579,833
07:10-07:20	2136,000	1056,000	2160,000	2076,000	1080,000	1002,000	1585,000	
07:20-07:30	2148,000	888,000	1992,000	2142,000	1104,000	1056,000	1555,000	
07:30-07:40	1998,000	1062,000	2214,000	1974,000	1014,000	1062,000	1554,000	
07:40-07:50	1734,000	1068,000	2100,000	2100,000	1086,000	990,000	1513,000	
07:50-08:00	1062,000	996,000	1998,000	2100,000	1104,000	1050,000	1385,000	

08:00-08:10	1002,000	1074,000	2028,000	1998,000	1206,000	1062,000	1395,000	1144,333
08:10-08:20	1062,000	1062,000	1056,000	2070,000	1026,000	990,000	1211,000	
08:20-08:30	1068,000	1002,000	1104,000	1140,000	1080,000	1056,000	1075,000	
08:30-08:40	1002,000	1254,000	1014,000	1080,000	1110,000	1056,000	1086,000	
08:40-08:50	1062,000	1098,000	1074,000	1050,000	1020,000	1002,000	1051,000	
08:50-09:00	1074,000	972,000	1002,000	1086,000	1098,000	1056,000	1048,000	
09:00-09:10	990,000	0,000	1110,000	996,000	1098,000	1056,000	875,000	300,167
09:10-09:20	42,000	6,000	1272,000	1068,000	1026,000	804,000	703,000	
09:20-09:30	6,000	0,000	354,000	270,000	672,000	6,000	218,000	
09:30-09:40	0,000	0,000	6,000	0,000	0,000	0,000	1,000	
09:40-09:50	0,000	0,000	0,000	0,000	6,000	6,000	2,000	
09:50-10:00	0,000	6,000	0,000	6,000	0,000	0,000	2,000	
10:00-10:10	6,000	0,000	0,000	0,000	6,000	0,000	2,000	1,667
10:10-10:20	0,000	0,000	0,000	0,000	0,000	6,000	1,000	
10:20-10:30	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
10:30-10:40	6,000	6,000	0,000	6,000	6,000	0,000	4,000	
10:40-10:50	0,000	0,000	6,000	0,000	0,000	6,000	2,000	
10:50-11:00	0,000	0,000	0,000	0,000	6,000	0,000	1,000	
11:00-11:10	0,000	0,000	0,000	0,000	0,000	0,000	0,000	1,333
11:10-11:20	6,000	0,000	0,000	0,000	0,000	6,000	2,000	
11:20-11:30	0,000	6,000	0,000	6,000	6,000	0,000	3,000	
11:30-11:40	0,000	0,000	6,000	0,000	0,000	0,000	1,000	
11:40-11:50	0,000	0,000	0,000	0,000	0,000	6,000	1,000	
11:50-12:00	0,000	0,000	0,000	0,000	6,000	0,000	1,000	
12:00-12:10	6,000	0,000	720,000	0,000	0,000	0,000	121,000	246,000
12:10-12:20	0,000	6,000	906,000	6,000	0,000	6,000	154,000	
12:20-12:30	0,000	0,000	1134,000	0,000	6,000	0,000	190,000	
12:30-12:40	0,000	0,000	1086,000	0,000	0,000	0,000	181,000	
12:40-12:50	6,000	0,000	1032,000	0,000	912,000	6,000	326,000	
12:50-13:00	0,000	6,000	1134,000	0,000	1092,000	792,000	504,000	
13:00-13:10	420,000	0,000	1092,000	936,000	1098,000	1038,000	764,000	1204,167
13:10-13:20	1392,000	0,000	1116,000	1140,000	1032,000	1110,000	965,000	
13:20-13:30	2466,000	0,000	1038,000	1314,000	1098,000	1116,000	1172,000	
13:30-13:40	1668,000	186,000	1098,000	1704,000	1104,000	1038,000	1133,000	
13:40-13:50	2280,000	912,000	1746,000	2058,000	1026,000	1110,000	1522,000	
13:50-14:00	2226,000	1134,000	2256,000	2196,000	1092,000	1110,000	1669,000	
14:00-14:10	2424,000	1104,000	2592,000	2040,000	1092,000	1044,000	1716,000	1667,167
14:10-14:20	1824,000	1134,000	1794,000	2250,000	1020,000	1104,000	1521,000	
14:20-14:30	2412,000	1044,000	2070,000	2586,000	1092,000	1110,000	1719,000	
14:30-14:40	1806,000	1116,000	2418,000	2046,000	1086,000	1032,000	1584,000	
14:40-14:50	2406,000	1116,000	2412,000	2022,000	1014,000	1110,000	1680,000	
14:50-15:00	2400,000	1056,000	1788,000	2478,000	1086,000	1890,000	1783,000	
15:00-15:10	1794,000	1224,000	2412,000	1626,000	1092,000	2220,000	1728,000	1934,333
15:10-15:20	2394,000	1104,000	2232,000	2622,000	1026,000	2634,000	2002,000	
15:20-15:30	1788,000	1038,000	2160,000	2220,000	2136,000	1770,000	1852,000	
15:30-15:40	2400,000	1134,000	2232,000	1644,000	2622,000	2088,000	2020,000	
15:40-15:50	2400,000	1098,000	2046,000	2178,000	2172,000	2208,000	2017,000	
15:50-16:00	1818,000	1140,000	2178,000	2628,000	1584,000	2574,000	1987,000	
16:00-16:10	2394,000	1050,000	2190,000	2184,000	2622,000	2016,000	2076,000	1972,167
16:10-16:20	1800,000	1116,000	2070,000	2070,000	2160,000	1992,000	1868,000	
16:20-16:30	2388,000	1116,000	2148,000	2214,000	2172,000	1980,000	2003,000	
16:30-16:40	1782,000	1056,000	2034,000	1770,000	2028,000	2232,000	1817,000	
16:40-16:50	2382,000	1092,000	2220,000	2220,000	2154,000	2592,000	2110,000	
16:50-17:00	2376,000	1038,000	2160,000	2160,000	1968,000	2052,000	1959,000	

17:00-17:10	1758,000	1134,000	2220,000	2202,000	2040,000	2130,000	1914,000	1966,667
17:10-17:20	2382,000	1098,000	2034,000	2388,000	2136,000	2052,000	2015,000	
17:20-17:30	1812,000	1134,000	2172,000	1608,000	2142,000	2022,000	1815,000	
17:30-17:40	2376,000	1038,000	2178,000	2388,000	1992,000	2136,000	2018,000	
17:40-17:50	2370,000	1110,000	2040,000	2382,000	2136,000	2016,000	2009,000	
17:50-18:00	2142,000	1116,000	2388,000	1782,000	2154,000	2592,000	2029,000	
18:00-18:10	2016,000	1044,000	2172,000	2370,000	1992,000	2130,000	1954,000	887,970
18:10-18:20	2142,000	1098,000	1176,000	1812,000	2124,000	2052,000	1734,000	
18:20-18:30	1512,000	1038,000	1326,000	510,000	636,000	1122,000	1024,000	
18:30-18:40	138,000	1128,000	180,000	0,000	6,000	0,000	242,000	
18:40-18:50	0,000	1320,000	4,932	0,000	0,000	0,000	220,822	
18:50-19:00	0,000	900,000	0,000	6,000	6,000	6,000	153,000	
19:00-19:10	6,000	1032,000	0,000	0,000	0,000	0,000	173,000	185,000
19:10-19:20	0,000	1104,000	0,000	0,000	0,000	0,000	184,000	
19:20-19:30	0,000	1344,000	6,000	0,000	6,000	0,000	226,000	
19:30-19:40	0,000	1110,000	0,000	6,000	0,000	0,000	186,000	
19:40-19:50	6,000	804,000	0,000	0,000	0,000	0,000	135,000	
19:50-20:00	0,000	1224,000	6,000	0,000	6,000	0,000	206,000	
20:00-20:10	0,000	1032,000	0,000	0,000	0,000	0,000	172,000	182,000
20:10-20:20	6,000	1122,000	0,000	0,000	0,000	0,000	188,000	
20:20-20:30	0,000	1098,000	0,000	0,000	0,000	6,000	184,000	
20:30-20:40	0,000	1122,000	0,000	6,000	6,000	0,000	189,000	
20:40-20:50	6,000	1038,000	6,000	0,000	0,000	0,000	175,000	
20:50-21:00	0,000	1104,000	0,000	0,000	0,000	0,000	184,000	
21:00-21:10	0,000	1122,000	0,000	0,000	438,000	696,000	376,000	687,167
21:10-21:20	6,000	1038,000	0,000	0,000	1332,000	1014,000	565,000	
21:20-21:30	0,000	1092,000	0,000	6,000	1122,000	1026,000	541,000	
21:30-21:40	0,000	1356,000	780,000	876,000	1110,000	1086,000	868,000	
21:40-21:50	6,000	1092,000	1194,000	906,000	828,000	1014,000	840,000	
21:50-22:00	0,000	1038,000	906,000	1236,000	1338,000	1080,000	933,000	
22:00-22:10	6,000	1128,000	1188,000	1362,000	1110,000	1020,000	969,000	1070,333
22:10-22:20	0,000	1098,000	1092,000	2442,000	1116,000	1302,000	1175,000	
22:20-22:30	0,000	1128,000	1014,000	2442,000	1032,000	1026,000	1107,000	
22:30-22:40	6,000	1038,000	1086,000	1848,000	1110,000	1080,000	1028,000	
22:40-22:50	0,000	1110,000	1002,000	2442,000	1110,000	1014,000	1113,000	
22:50-23:00	0,000	1116,000	1116,000	1818,000	1038,000	1092,000	1030,000	
23:00-23:10	6,000	1050,000	1062,000	2442,000	1104,000	1014,000	1113,000	1209,030
23:10-23:20	0,000	1092,000	1008,000	1806,000	1110,000	1308,000	1054,000	
23:20-23:30	1092,000	1032,000	1110,000	2430,000	1044,000	1032,000	1290,000	
23:30-23:40	1194,000	1134,000	1284,000	2424,000	1104,000	1086,000	1371,000	
23:40-23:50	894,000	1098,000	888,000	1824,000	1116,000	1014,000	1139,000	
23:50-00:00	1200,000	1140,000	1014,000	2135,125	1102,041	1131,915	1287,180	

Caudal Médio Diário = 1231,888 m3/h

Caudais Médios *ETA de Lever - Lagoa (saída da ETA)*
Caudal (m3/h)
2500
2000
1500
1000
500
0
00:00-00:10
00:40-00:50
01:20-01:30
02:00-02:10
02:40-02:50
03:20-03:30
04:00-04:10
04:40-04:50
05:20-05:30
06:00-06:10
06:40-06:50
07:20-07:30
08:00-08:10
08:40-08:50
09:20-09:30
10:00-10:10
10:40-10:50
11:20-11:30
12:00-12:10
12:40-12:50
13:20-13:30
14:00-14:10
14:40-14:50
15:20-15:30
16:00-16:10
16:40-16:50
17:20-17:30
18:00-18:10
18:40-18:50
19:20-19:30
20:00-20:10
20:40-20:50
21:20-21:30
22:00-22:10
22:40-22:50
23:20-23:30
Hora

Caudais Médios Horários *ETA de Lever - Lagoa (saída da ETA)*
Caudal (m3/h)
2500
2000
1500
1000
500
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CAUDAIS

ETA de Lever – Seixo Alvo (saída da ETA de Lever)

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	38072384,000				
09-02-2008	00:07:45	38072824,000	440,000	0,948	948,276	3413,793
09-02-2008	00:17:45	38073360,000	536,000	0,893	893,333	3216,000
09-02-2008	00:27:45	38073896,000	536,000	0,893	893,333	3216,000
09-02-2008	00:37:45	38074440,000	544,000	0,907	906,667	3264,000
09-02-2008	00:47:45	38074976,000	536,000	0,893	893,333	3216,000
09-02-2008	00:57:46	38075400,000	424,000	0,707	706,667	2544,000
09-02-2008	01:07:46	38075992,000	592,000	0,987	986,667	3552,000
09-02-2008	01:17:46	38076432,000	440,000	0,733	733,333	2640,000
09-02-2008	01:27:46	38077016,000	584,000	0,973	973,333	3504,000
09-02-2008	01:37:46	38077608,000	592,000	0,987	986,667	3552,000
09-02-2008	01:47:46	38078048,000	440,000	0,733	733,333	2640,000
09-02-2008	01:57:46	38078640,000	592,000	0,987	986,667	3552,000
09-02-2008	02:07:46	38079080,000	440,000	0,733	733,333	2640,000
09-02-2008	02:17:46	38079664,000	584,000	0,973	973,333	3504,000
09-02-2008	02:27:46	38080096,000	432,000	0,720	720,000	2592,000
09-02-2008	02:37:46	38080680,000	584,000	0,973	973,333	3504,000
09-02-2008	02:47:46	38081224,000	544,000	0,907	906,667	3264,000
09-02-2008	02:57:46	38081744,000	520,000	0,867	866,667	3120,000
09-02-2008	03:07:46	38082280,000	536,000	0,893	893,333	3216,000
09-02-2008	03:17:46	38082776,000	496,000	0,827	826,667	2976,000
09-02-2008	03:27:46	38083296,000	520,000	0,867	866,667	3120,000
09-02-2008	03:37:46	38083824,000	528,000	0,880	880,000	3168,000
09-02-2008	03:47:46	38084320,000	496,000	0,827	826,667	2976,000
09-02-2008	03:57:46	38084856,000	536,000	0,893	893,333	3216,000
09-02-2008	04:07:46	38085376,000	520,000	0,867	866,667	3120,000
09-02-2008	04:17:46	38085880,000	504,000	0,840	840,000	3024,000
09-02-2008	04:27:46	38086416,000	536,000	0,893	893,333	3216,000
09-02-2008	04:37:46	38086952,000	536,000	0,893	893,333	3216,000
09-02-2008	04:47:46	38087456,000	504,000	0,840	840,000	3024,000
09-02-2008	04:57:46	38087992,000	536,000	0,893	893,333	3216,000
09-02-2008	05:07:46	38088520,000	528,000	0,880	880,000	3168,000
09-02-2008	05:17:46	38089008,000	488,000	0,813	813,333	2928,000
09-02-2008	05:27:47	38089544,000	536,000	0,893	893,333	3216,000
09-02-2008	05:37:47	38090080,000	536,000	0,893	893,333	3216,000
09-02-2008	05:47:47	38090584,000	504,000	0,840	840,000	3024,000
09-02-2008	05:57:47	38091104,000	520,000	0,867	866,667	3120,000
09-02-2008	06:07:47	38091752,000	648,000	1,080	1080,000	3888,000
09-02-2008	06:17:47	38092280,000	528,000	0,880	880,000	3168,000
09-02-2008	06:27:47	38092624,000	344,000	0,573	573,333	2064,000
09-02-2008	06:37:47	38093056,000	432,000	0,720	720,000	2592,000
09-02-2008	06:47:47	38093424,000	368,000	0,613	613,333	2208,000
09-02-2008	06:57:47	38093688,000	264,000	0,440	440,000	1584,000
09-02-2008	07:07:47	38094128,000	440,000	0,733	733,333	2640,000
09-02-2008	07:17:47	38094480,000	352,000	0,587	586,667	2112,000
09-02-2008	07:27:47	38094800,000	320,000	0,533	533,333	1920,000
09-02-2008	07:37:47	38094976,000	176,000	0,293	293,333	1056,000
09-02-2008	07:47:47	38095160,000	184,000	0,307	306,667	1104,000
09-02-2008	07:57:47	38095344,000	184,000	0,307	306,667	1104,000
09-02-2008	08:07:47	38095512,000	168,000	0,280	280,000	1008,000

09-02-2008	08:17:47	38095696,000	184,000	0,307	306,667	1104,000
09-02-2008	08:27:47	38096000,000	304,000	0,507	506,667	1824,000
09-02-2008	08:37:47	38096400,000	400,000	0,667	666,667	2400,000
09-02-2008	08:47:47	38096928,000	528,000	0,880	880,000	3168,000
09-02-2008	08:57:47	38097464,000	536,000	0,893	893,333	3216,000
09-02-2008	09:07:47	38097960,000	496,000	0,827	826,667	2976,000
09-02-2008	09:17:47	38098432,000	472,000	0,787	786,667	2832,000
09-02-2008	09:27:47	38098664,000	232,000	0,387	386,667	1392,000
09-02-2008	09:37:47	38098832,000	168,000	0,280	280,000	1008,000
09-02-2008	09:47:47	38099016,000	184,000	0,307	306,667	1104,000
09-02-2008	09:57:47	38099200,000	184,000	0,307	306,667	1104,000
09-02-2008	10:07:47	38099368,000	168,000	0,280	280,000	1008,000
09-02-2008	10:17:47	38099632,000	264,000	0,440	440,000	1584,000
09-02-2008	10:27:47	38100000,000	368,000	0,613	613,333	2208,000
09-02-2008	10:37:47	38100344,000	344,000	0,573	573,333	2064,000
09-02-2008	10:47:47	38100720,000	376,000	0,627	626,667	2256,000
09-02-2008	10:57:47	38101080,000	360,000	0,600	600,000	2160,000
09-02-2008	11:07:47	38101360,000	280,000	0,467	466,667	1680,000
09-02-2008	11:17:47	38101768,000	408,000	0,680	680,000	2448,000
09-02-2008	11:27:47	38102168,000	400,000	0,667	666,667	2400,000
09-02-2008	11:37:47	38102624,000	456,000	0,760	760,000	2736,000
09-02-2008	11:47:47	38103216,000	592,000	0,987	986,667	3552,000
09-02-2008	11:57:47	38103664,000	448,000	0,747	746,667	2688,000
09-02-2008	12:07:47	38104272,000	608,000	1,013	1013,333	3648,000
09-02-2008	12:17:47	38104720,000	448,000	0,747	746,667	2688,000
09-02-2008	12:27:47	38105272,000	552,000	0,920	920,000	3312,000
09-02-2008	12:37:47	38105824,000	552,000	0,920	920,000	3312,000
09-02-2008	12:47:47	38106360,000	536,000	0,893	893,333	3216,000
09-02-2008	12:57:48	38106880,000	520,000	0,867	866,667	3120,000
09-02-2008	13:07:48	38107424,000	544,000	0,907	906,667	3264,000
09-02-2008	13:17:48	38107872,000	448,000	0,747	746,667	2688,000
09-02-2008	13:27:48	38108472,000	600,000	1,000	1000,000	3600,000
09-02-2008	13:37:48	38108864,000	392,000	0,653	653,333	2352,000
09-02-2008	13:47:48	38109416,000	552,000	0,920	920,000	3312,000
09-02-2008	13:57:48	38109968,000	552,000	0,920	920,000	3312,000
09-02-2008	14:07:48	38110544,000	576,000	0,960	960,000	3456,000
09-02-2008	14:17:48	38110992,000	448,000	0,747	746,667	2688,000
09-02-2008	14:27:48	38111576,000	584,000	0,973	973,333	3504,000
09-02-2008	14:37:48	38112016,000	440,000	0,733	733,333	2640,000
09-02-2008	14:47:48	38112592,000	576,000	0,960	960,000	3456,000
09-02-2008	14:57:48	38113184,000	592,000	0,987	986,667	3552,000
09-02-2008	15:07:48	38113616,000	432,000	0,720	720,000	2592,000
09-02-2008	15:17:48	38114200,000	584,000	0,973	973,333	3504,000
09-02-2008	15:27:48	38114640,000	440,000	0,733	733,333	2640,000
09-02-2008	15:37:48	38115216,000	576,000	0,960	960,000	3456,000
09-02-2008	15:47:48	38115800,000	584,000	0,973	973,333	3504,000
09-02-2008	15:57:48	38116248,000	448,000	0,747	746,667	2688,000
09-02-2008	16:07:48	38116824,000	576,000	0,960	960,000	3456,000
09-02-2008	16:17:48	38117264,000	440,000	0,733	733,333	2640,000
09-02-2008	16:27:48	38117848,000	584,000	0,973	973,333	3504,000
09-02-2008	16:37:48	38118288,000	440,000	0,733	733,333	2640,000
09-02-2008	16:47:48	38118872,000	584,000	0,973	973,333	3504,000
09-02-2008	16:57:48	38119440,000	568,000	0,947	946,667	3408,000
09-02-2008	17:07:48	38119880,000	440,000	0,733	733,333	2640,000
09-02-2008	17:17:48	38120464,000	584,000	0,973	973,333	3504,000

09-02-2008	17:27:48	38120904,000	440,000	0,733	733,333	2640,000
09-02-2008	17:37:48	38121488,000	584,000	0,973	973,333	3504,000
09-02-2008	17:47:48	38122072,000	584,000	0,973	973,333	3504,000
09-02-2008	17:57:48	38122592,000	520,000	0,867	866,667	3120,000
09-02-2008	18:07:48	38123096,000	504,000	0,840	840,000	3024,000
09-02-2008	18:17:48	38123616,000	520,000	0,867	866,667	3120,000
09-02-2008	18:27:48	38124144,000	528,000	0,880	880,000	3168,000
09-02-2008	18:37:48	38124632,000	488,000	0,813	813,333	2928,000
09-02-2008	18:47:48	38125168,000	536,000	0,893	893,333	3216,000
09-02-2008	18:57:48	38125696,000	528,000	0,880	880,000	3168,000
09-02-2008	19:07:48	38126184,000	488,000	0,813	813,333	2928,000
09-02-2008	19:17:48	38126720,000	536,000	0,893	893,333	3216,000
09-02-2008	19:27:48	38127256,000	536,000	0,893	893,333	3216,000
09-02-2008	19:37:49	38127744,000	488,000	0,813	813,333	2928,000
09-02-2008	19:47:49	38128280,000	536,000	0,893	893,333	3216,000
09-02-2008	19:57:49	38128800,000	520,000	0,867	866,667	3120,000
09-02-2008	20:07:49	38129344,000	544,000	0,907	906,667	3264,000
09-02-2008	20:17:49	38129776,000	432,000	0,720	720,000	2592,000
09-02-2008	20:27:49	38130360,000	584,000	0,973	973,333	3504,000
09-02-2008	20:37:49	38130944,000	584,000	0,973	973,333	3504,000
09-02-2008	20:47:49	38131392,000	448,000	0,747	746,667	2688,000
09-02-2008	20:57:49	38131968,000	576,000	0,960	960,000	3456,000
09-02-2008	21:07:49	38132424,000	456,000	0,760	760,000	2736,000
09-02-2008	21:17:49	38132944,000	520,000	0,867	866,667	3120,000
09-02-2008	21:27:49	38133480,000	536,000	0,893	893,333	3216,000
09-02-2008	21:37:49	38133968,000	488,000	0,813	813,333	2928,000
09-02-2008	21:47:49	38134504,000	536,000	0,893	893,333	3216,000
09-02-2008	21:57:49	38135144,000	640,000	1,067	1066,667	3840,000
09-02-2008	22:07:49	38135672,000	528,000	0,880	880,000	3168,000
09-02-2008	22:17:49	38136208,000	536,000	0,893	893,333	3216,000
09-02-2008	22:27:49	38136704,000	496,000	0,827	826,667	2976,000
09-02-2008	22:37:49	38137248,000	544,000	0,907	906,667	3264,000
09-02-2008	22:47:49	38137768,000	520,000	0,867	866,667	3120,000
09-02-2008	22:57:49	38138208,000	440,000	0,733	733,333	2640,000
09-02-2008	23:07:49	38138800,000	592,000	0,987	986,667	3552,000
09-02-2008	23:17:49	38139256,000	456,000	0,760	760,000	2736,000
09-02-2008	23:27:49	38139832,000	576,000	0,960	960,000	3456,000
09-02-2008	23:37:49	38140424,000	592,000	0,987	986,667	3552,000
09-02-2008	23:47:49	38140864,000	440,000	0,733	733,333	2640,000
09-02-2008	23:57:49	38141440,000	576,000	0,960	960,000	3456,000
10-02-2008	00:00:26	38141592,000	152,000	0,968	968,153	3485,350

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:26	38141592,000				
10-02-2008	00:07:49	38141880,000	288,000	0,650	650,113	2340,406
10-02-2008	00:17:49	38142472,000	592,000	0,987	986,667	3552,000
10-02-2008	00:27:49	38142968,000	496,000	0,827	826,667	2976,000
10-02-2008	00:37:49	38143504,000	536,000	0,893	893,333	3216,000
10-02-2008	00:47:49	38144032,000	528,000	0,880	880,000	3168,000
10-02-2008	00:57:49	38144536,000	504,000	0,840	840,000	3024,000
10-02-2008	01:07:50	38145064,000	528,000	0,880	880,000	3168,000
10-02-2008	01:17:50	38145600,000	536,000	0,893	893,333	3216,000
10-02-2008	01:27:50	38146096,000	496,000	0,827	826,667	2976,000
10-02-2008	01:37:50	38146640,000	544,000	0,907	906,667	3264,000
10-02-2008	01:47:50	38147160,000	520,000	0,867	866,667	3120,000
10-02-2008	01:57:50	38147664,000	504,000	0,840	840,000	3024,000
10-02-2008	02:07:50	38148192,000	528,000	0,880	880,000	3168,000
10-02-2008	02:17:50	38148832,000	640,000	1,067	1066,667	3840,000
10-02-2008	02:27:50	38149280,000	448,000	0,747	746,667	2688,000
10-02-2008	02:37:50	38149864,000	584,000	0,973	973,333	3504,000
10-02-2008	02:47:50	38150296,000	432,000	0,720	720,000	2592,000
10-02-2008	02:57:50	38150880,000	584,000	0,973	973,333	3504,000
10-02-2008	03:07:50	38151472,000	592,000	0,987	986,667	3552,000
10-02-2008	03:17:51	38151912,000	440,000	0,733	733,333	2640,000
10-02-2008	03:27:51	38152496,000	584,000	0,973	973,333	3504,000
10-02-2008	03:37:51	38152936,000	440,000	0,733	733,333	2640,000
10-02-2008	03:47:51	38153528,000	592,000	0,987	986,667	3552,000
10-02-2008	03:57:51	38154064,000	536,000	0,893	893,333	3216,000
10-02-2008	04:07:51	38154584,000	520,000	0,867	866,667	3120,000
10-02-2008	04:17:51	38155088,000	504,000	0,840	840,000	3024,000
10-02-2008	04:27:51	38155616,000	528,000	0,880	880,000	3168,000
10-02-2008	04:37:51	38156152,000	536,000	0,893	893,333	3216,000
10-02-2008	04:47:51	38156648,000	496,000	0,827	826,667	2976,000
10-02-2008	04:57:51	38157184,000	536,000	0,893	893,333	3216,000
10-02-2008	05:07:51	38157704,000	520,000	0,867	866,667	3120,000
10-02-2008	05:17:51	38158296,000	592,000	0,987	986,667	3552,000
10-02-2008	05:27:51	38158736,000	440,000	0,733	733,333	2640,000
10-02-2008	05:37:52	38159320,000	584,000	0,973	973,333	3504,000
10-02-2008	05:47:52	38159760,000	440,000	0,733	733,333	2640,000
10-02-2008	05:57:52	38160296,000	536,000	0,893	893,333	3216,000
10-02-2008	06:07:52	38160824,000	528,000	0,880	880,000	3168,000
10-02-2008	06:17:52	38161360,000	536,000	0,893	893,333	3216,000
10-02-2008	06:27:52	38161904,000	544,000	0,907	906,667	3264,000
10-02-2008	06:37:52	38162440,000	536,000	0,893	893,333	3216,000
10-02-2008	06:47:52	38162952,000	512,000	0,853	853,333	3072,000
10-02-2008	06:57:52	38163264,000	312,000	0,520	520,000	1872,000
10-02-2008	07:07:52	38163696,000	432,000	0,720	720,000	2592,000
10-02-2008	07:17:52	38164056,000	360,000	0,600	600,000	2160,000
10-02-2008	07:27:52	38164360,000	304,000	0,507	506,667	1824,000
10-02-2008	07:37:52	38164712,000	352,000	0,587	586,667	2112,000
10-02-2008	07:47:52	38165080,000	368,000	0,613	613,333	2208,000
10-02-2008	07:57:52	38165408,000	328,000	0,547	546,667	1968,000
10-02-2008	08:07:52	38165776,000	368,000	0,613	613,333	2208,000
10-02-2008	08:17:52	38166136,000	360,000	0,600	600,000	2160,000

10-02-2008	08:27:52	38166480,000	344,000	0,573	573,333	2064,000
10-02-2008	08:37:52	38166880,000	400,000	0,667	666,667	2400,000
10-02-2008	08:47:52	38167064,000	184,000	0,307	306,667	1104,000
10-02-2008	08:57:52	38167248,000	184,000	0,307	306,667	1104,000
10-02-2008	09:07:52	38167416,000	168,000	0,280	280,000	1008,000
10-02-2008	09:17:52	38167696,000	280,000	0,467	466,667	1680,000
10-02-2008	09:27:52	38168056,000	360,000	0,600	600,000	2160,000
10-02-2008	09:37:52	38168416,000	360,000	0,600	600,000	2160,000
10-02-2008	09:47:52	38168760,000	344,000	0,573	573,333	2064,000
10-02-2008	09:57:52	38169112,000	352,000	0,587	586,667	2112,000
10-02-2008	10:07:52	38169448,000	336,000	0,560	560,000	2016,000
10-02-2008	10:17:52	38169816,000	368,000	0,613	613,333	2208,000
10-02-2008	10:27:53	38170176,000	360,000	0,600	600,000	2160,000
10-02-2008	10:37:53	38170504,000	328,000	0,547	546,667	1968,000
10-02-2008	10:47:53	38170880,000	376,000	0,627	626,667	2256,000
10-02-2008	10:57:53	38171232,000	352,000	0,587	586,667	2112,000
10-02-2008	11:07:53	38171600,000	368,000	0,613	613,333	2208,000
10-02-2008	11:17:53	38171936,000	336,000	0,560	560,000	2016,000
10-02-2008	11:27:53	38172296,000	360,000	0,600	600,000	2160,000
10-02-2008	11:37:53	38172672,000	376,000	0,627	626,667	2256,000
10-02-2008	11:47:53	38173176,000	504,000	0,840	840,000	3024,000
10-02-2008	11:57:53	38173696,000	520,000	0,867	866,667	3120,000
10-02-2008	12:07:53	38174192,000	496,000	0,827	826,667	2976,000
10-02-2008	12:17:53	38174728,000	536,000	0,893	893,333	3216,000
10-02-2008	12:27:53	38175256,000	528,000	0,880	880,000	3168,000
10-02-2008	12:37:53	38175800,000	544,000	0,907	906,667	3264,000
10-02-2008	12:47:53	38176392,000	592,000	0,987	986,667	3552,000
10-02-2008	12:57:53	38176888,000	496,000	0,827	826,667	2976,000
10-02-2008	13:07:53	38177416,000	528,000	0,880	880,000	3168,000
10-02-2008	13:17:53	38177960,000	544,000	0,907	906,667	3264,000
10-02-2008	13:27:53	38178448,000	488,000	0,813	813,333	2928,000
10-02-2008	13:37:53	38179040,000	592,000	0,987	986,667	3552,000
10-02-2008	13:47:53	38179480,000	440,000	0,733	733,333	2640,000
10-02-2008	13:57:53	38180016,000	536,000	0,893	893,333	3216,000
10-02-2008	14:07:53	38180544,000	528,000	0,880	880,000	3168,000
10-02-2008	14:17:53	38181080,000	536,000	0,893	893,333	3216,000
10-02-2008	14:27:53	38181584,000	504,000	0,840	840,000	3024,000
10-02-2008	14:37:53	38182120,000	536,000	0,893	893,333	3216,000
10-02-2008	14:47:53	38182640,000	520,000	0,867	866,667	3120,000
10-02-2008	14:57:53	38183144,000	504,000	0,840	840,000	3024,000
10-02-2008	15:07:53	38183736,000	592,000	0,987	986,667	3552,000
10-02-2008	15:17:53	38184256,000	520,000	0,867	866,667	3120,000
10-02-2008	15:27:54	38184752,000	496,000	0,827	826,667	2976,000
10-02-2008	15:37:54	38185296,000	544,000	0,907	906,667	3264,000
10-02-2008	15:47:54	38185824,000	528,000	0,880	880,000	3168,000
10-02-2008	15:57:54	38186352,000	528,000	0,880	880,000	3168,000
10-02-2008	16:07:54	38186864,000	512,000	0,853	853,333	3072,000
10-02-2008	16:17:54	38187400,000	536,000	0,893	893,333	3216,000
10-02-2008	16:27:54	38187936,000	536,000	0,893	893,333	3216,000
10-02-2008	16:37:54	38188432,000	496,000	0,827	826,667	2976,000
10-02-2008	16:47:54	38188960,000	528,000	0,880	880,000	3168,000
10-02-2008	16:57:54	38189448,000	488,000	0,813	813,333	2928,000
10-02-2008	17:07:54	38189992,000	544,000	0,907	906,667	3264,000
10-02-2008	17:17:54	38190520,000	528,000	0,880	880,000	3168,000
10-02-2008	17:27:54	38191064,000	544,000	0,907	906,667	3264,000

10-02-2008	17:37:54	38191552,000	488,000	0,813	813,333	2928,000
10-02-2008	17:47:54	38192080,000	528,000	0,880	880,000	3168,000
10-02-2008	17:57:54	38192616,000	536,000	0,893	893,333	3216,000
10-02-2008	18:07:54	38193120,000	504,000	0,840	840,000	3024,000
10-02-2008	18:17:54	38193640,000	520,000	0,867	866,667	3120,000
10-02-2008	18:27:54	38194144,000	504,000	0,840	840,000	3024,000
10-02-2008	18:37:54	38194672,000	528,000	0,880	880,000	3168,000
10-02-2008	18:47:54	38195304,000	632,000	1,053	1053,333	3792,000
10-02-2008	18:57:54	38195744,000	440,000	0,733	733,333	2640,000
10-02-2008	19:07:54	38196232,000	488,000	0,813	813,333	2928,000
10-02-2008	19:17:54	38196768,000	536,000	0,893	893,333	3216,000
10-02-2008	19:27:54	38197408,000	640,000	1,067	1066,667	3840,000
10-02-2008	19:37:54	38197936,000	528,000	0,880	880,000	3168,000
10-02-2008	19:47:54	38198312,000	376,000	0,627	626,667	2256,000
10-02-2008	19:57:54	38198904,000	592,000	0,987	986,667	3552,000
10-02-2008	20:07:54	38199392,000	488,000	0,813	813,333	2928,000
10-02-2008	20:17:54	38199904,000	512,000	0,853	853,333	3072,000
10-02-2008	20:27:54	38200272,000	368,000	0,613	613,333	2208,000
10-02-2008	20:37:54	38200632,000	360,000	0,600	600,000	2160,000
10-02-2008	20:47:54	38200968,000	336,000	0,560	560,000	2016,000
10-02-2008	20:57:54	38201320,000	352,000	0,587	586,667	2112,000
10-02-2008	21:07:54	38201688,000	368,000	0,613	613,333	2208,000
10-02-2008	21:17:54	38202024,000	336,000	0,560	560,000	2016,000
10-02-2008	21:27:54	38202384,000	360,000	0,600	600,000	2160,000
10-02-2008	21:37:54	38202816,000	432,000	0,720	720,000	2592,000
10-02-2008	21:47:54	38203168,000	352,000	0,587	586,667	2112,000
10-02-2008	21:57:55	38203504,000	336,000	0,560	560,000	2016,000
10-02-2008	22:07:55	38203872,000	368,000	0,613	613,333	2208,000
10-02-2008	22:17:55	38204224,000	352,000	0,587	586,667	2112,000
10-02-2008	22:27:55	38204592,000	368,000	0,613	613,333	2208,000
10-02-2008	22:37:55	38204928,000	336,000	0,560	560,000	2016,000
10-02-2008	22:47:55	38205288,000	360,000	0,600	600,000	2160,000
10-02-2008	22:57:55	38205648,000	360,000	0,600	600,000	2160,000
10-02-2008	23:07:55	38205992,000	344,000	0,573	573,333	2064,000
10-02-2008	23:17:55	38206344,000	352,000	0,587	586,667	2112,000
10-02-2008	23:27:55	38206680,000	336,000	0,560	560,000	2016,000
10-02-2008	23:37:55	38207048,000	368,000	0,613	613,333	2208,000
10-02-2008	23:47:55	38207400,000	352,000	0,587	586,667	2112,000
10-02-2008	23:57:55	38207768,000	368,000	0,613	613,333	2208,000
11-02-2008	00:00:13	38207840,000	72,000	0,522	521,739	1878,261

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	38207840,000				
11-02-2008	00:07:55	38208104,000	264,000	0,571	571,429	2057,143
11-02-2008	00:17:55	38208464,000	360,000	0,600	600,000	2160,000
11-02-2008	00:27:55	38208824,000	360,000	0,600	600,000	2160,000
11-02-2008	00:37:55	38209168,000	344,000	0,573	573,333	2064,000
11-02-2008	00:47:55	38209520,000	352,000	0,587	586,667	2112,000
11-02-2008	00:57:55	38209856,000	336,000	0,560	560,000	2016,000
11-02-2008	01:07:55	38210224,000	368,000	0,613	613,333	2208,000
11-02-2008	01:17:55	38210576,000	352,000	0,587	586,667	2112,000
11-02-2008	01:27:55	38210952,000	376,000	0,627	626,667	2256,000
11-02-2008	01:37:55	38211280,000	328,000	0,547	546,667	1968,000
11-02-2008	01:47:55	38211640,000	360,000	0,600	600,000	2160,000
11-02-2008	01:57:55	38212040,000	400,000	0,667	666,667	2400,000
11-02-2008	02:07:55	38212344,000	304,000	0,507	506,667	1824,000
11-02-2008	02:17:55	38212744,000	400,000	0,667	666,667	2400,000
11-02-2008	02:27:56	38213144,000	400,000	0,667	666,667	2400,000
11-02-2008	02:37:56	38213432,000	288,000	0,480	480,000	1728,000
11-02-2008	02:47:56	38213832,000	400,000	0,667	666,667	2400,000
11-02-2008	02:57:56	38214128,000	296,000	0,493	493,333	1776,000
11-02-2008	03:07:56	38214520,000	392,000	0,653	653,333	2352,000
11-02-2008	03:17:56	38214920,000	400,000	0,667	666,667	2400,000
11-02-2008	03:27:56	38215216,000	296,000	0,493	493,333	1776,000
11-02-2008	03:37:56	38215616,000	400,000	0,667	666,667	2400,000
11-02-2008	03:47:56	38215920,000	304,000	0,507	506,667	1824,000
11-02-2008	03:57:56	38216320,000	400,000	0,667	666,667	2400,000
11-02-2008	04:07:56	38216608,000	288,000	0,480	480,000	1728,000
11-02-2008	04:17:56	38217008,000	400,000	0,667	666,667	2400,000
11-02-2008	04:27:56	38217408,000	400,000	0,667	666,667	2400,000
11-02-2008	04:37:56	38217696,000	288,000	0,480	480,000	1728,000
11-02-2008	04:47:56	38218096,000	400,000	0,667	666,667	2400,000
11-02-2008	04:57:56	38218392,000	296,000	0,493	493,333	1776,000
11-02-2008	05:07:56	38218792,000	400,000	0,667	666,667	2400,000
11-02-2008	05:17:56	38219184,000	392,000	0,653	653,333	2352,000
11-02-2008	05:27:56	38219480,000	296,000	0,493	493,333	1776,000
11-02-2008	05:37:56	38219880,000	400,000	0,667	666,667	2400,000
11-02-2008	05:47:56	38220232,000	352,000	0,587	586,667	2112,000
11-02-2008	05:57:56	38220568,000	336,000	0,560	560,000	2016,000
11-02-2008	06:07:56	38220936,000	368,000	0,613	613,333	2208,000
11-02-2008	06:17:56	38221288,000	352,000	0,587	586,667	2112,000
11-02-2008	06:27:56	38221624,000	336,000	0,560	560,000	2016,000
11-02-2008	06:37:56	38221984,000	360,000	0,600	600,000	2160,000
11-02-2008	06:47:56	38222336,000	352,000	0,587	586,667	2112,000
11-02-2008	06:57:56	38222704,000	368,000	0,613	613,333	2208,000
11-02-2008	07:07:56	38223048,000	344,000	0,573	573,333	2064,000
11-02-2008	07:17:56	38223400,000	352,000	0,587	586,667	2112,000
11-02-2008	07:27:56	38223736,000	336,000	0,560	560,000	2016,000
11-02-2008	07:37:57	38224096,000	360,000	0,600	600,000	2160,000
11-02-2008	07:47:57	38224456,000	360,000	0,600	600,000	2160,000
11-02-2008	07:57:57	38224784,000	328,000	0,547	546,667	1968,000
11-02-2008	08:07:57	38225152,000	368,000	0,613	613,333	2208,000
11-02-2008	08:17:57	38225496,000	344,000	0,573	573,333	2064,000

11-02-2008	08:27:57	38225872,000	376,000	0,627	626,667	2256,000
11-02-2008	08:37:57	38226200,000	328,000	0,547	546,667	1968,000
11-02-2008	08:47:57	38226600,000	400,000	0,667	666,667	2400,000
11-02-2008	08:57:57	38227096,000	496,000	0,827	826,667	2976,000
11-02-2008	09:07:57	38227640,000	544,000	0,907	906,667	3264,000
11-02-2008	09:17:57	38228256,000	616,000	1,027	1026,667	3696,000
11-02-2008	09:27:57	38228432,000	176,000	0,293	293,333	1056,000
11-02-2008	09:37:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	09:47:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	09:57:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	10:07:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	10:17:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	10:27:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	10:37:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	10:47:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	10:57:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	11:07:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	11:17:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	11:27:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	11:37:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	11:47:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	11:57:57	38228432,000	0,000	0,000	0,000	0,000
11-02-2008	12:07:57	38228536,000	104,000	0,173	173,333	624,000
11-02-2008	12:17:57	38228832,000	296,000	0,493	493,333	1776,000
11-02-2008	12:27:57	38229376,000	544,000	0,907	906,667	3264,000
11-02-2008	12:37:57	38229896,000	520,000	0,867	866,667	3120,000
11-02-2008	12:47:57	38230400,000	504,000	0,840	840,000	3024,000
11-02-2008	12:57:57	38230944,000	544,000	0,907	906,667	3264,000
11-02-2008	13:07:57	38231464,000	520,000	0,867	866,667	3120,000
11-02-2008	13:17:57	38232008,000	544,000	0,907	906,667	3264,000
11-02-2008	13:27:57	38232504,000	496,000	0,827	826,667	2976,000
11-02-2008	13:37:57	38233040,000	536,000	0,893	893,333	3216,000
11-02-2008	13:47:57	38233528,000	488,000	0,813	813,333	2928,000
11-02-2008	13:57:57	38234072,000	544,000	0,907	906,667	3264,000
11-02-2008	14:07:58	38234696,000	624,000	1,040	1040,000	3744,000
11-02-2008	14:17:58	38235128,000	432,000	0,720	720,000	2592,000
11-02-2008	14:27:58	38235632,000	504,000	0,840	840,000	3024,000
11-02-2008	14:37:58	38236216,000	584,000	0,973	973,333	3504,000
11-02-2008	14:47:58	38236800,000	584,000	0,973	973,333	3504,000
11-02-2008	14:57:58	38237240,000	440,000	0,733	733,333	2640,000
11-02-2008	15:07:58	38237824,000	584,000	0,973	973,333	3504,000
11-02-2008	15:17:58	38238360,000	536,000	0,893	893,333	3216,000
11-02-2008	15:27:58	38238880,000	520,000	0,867	866,667	3120,000
11-02-2008	15:37:58	38239424,000	544,000	0,907	906,667	3264,000
11-02-2008	15:47:58	38239928,000	504,000	0,840	840,000	3024,000
11-02-2008	15:57:58	38240448,000	520,000	0,867	866,667	3120,000
11-02-2008	16:07:58	38240984,000	536,000	0,893	893,333	3216,000
11-02-2008	16:17:58	38241488,000	504,000	0,840	840,000	3024,000
11-02-2008	16:27:58	38242008,000	520,000	0,867	866,667	3120,000
11-02-2008	16:37:58	38242504,000	496,000	0,827	826,667	2976,000
11-02-2008	16:47:58	38243048,000	544,000	0,907	906,667	3264,000
11-02-2008	16:57:58	38243568,000	520,000	0,867	866,667	3120,000
11-02-2008	17:07:58	38244112,000	544,000	0,907	906,667	3264,000
11-02-2008	17:17:58	38244608,000	496,000	0,827	826,667	2976,000
11-02-2008	17:27:58	38245136,000	528,000	0,880	880,000	3168,000

11-02-2008	17:37:58	38245672,000	536,000	0,893	893,333	3216,000
11-02-2008	17:47:58	38246176,000	504,000	0,840	840,000	3024,000
11-02-2008	17:57:58	38246744,000	568,000	0,947	946,667	3408,000
11-02-2008	18:07:58	38247280,000	536,000	0,893	893,333	3216,000
11-02-2008	18:17:58	38247624,000	344,000	0,573	573,333	2064,000
11-02-2008	18:27:58	38248024,000	400,000	0,667	666,667	2400,000
11-02-2008	18:37:58	38248120,000	96,000	0,132	131,507	473,425
11-02-2008	18:50:08	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	19:00:08	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	19:10:08	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	19:20:08	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	19:30:08	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	19:40:35	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	19:51:37	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	20:01:37	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	20:11:37	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	20:21:37	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	20:31:37	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	20:41:37	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	20:51:37	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	21:01:37	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	21:11:37	38248120,000	0,000	0,000	0,000	0,000
11-02-2008	21:21:37	38248264,000	144,000	0,240	240,000	864,000
11-02-2008	21:31:38	38248648,000	384,000	0,640	640,000	2304,000
11-02-2008	21:41:38	38249072,000	424,000	0,707	706,667	2544,000
11-02-2008	21:51:38	38249656,000	584,000	0,973	973,333	3504,000
11-02-2008	22:01:38	38250096,000	440,000	0,733	733,333	2640,000
11-02-2008	22:11:38	38250688,000	592,000	0,987	986,667	3552,000
11-02-2008	22:21:38	38251224,000	536,000	0,893	893,333	3216,000
11-02-2008	22:31:38	38251712,000	488,000	0,813	813,333	2928,000
11-02-2008	22:41:38	38252248,000	536,000	0,893	893,333	3216,000
11-02-2008	22:51:38	38252744,000	496,000	0,827	826,667	2976,000
11-02-2008	23:01:38	38253288,000	544,000	0,907	906,667	3264,000
11-02-2008	23:11:38	38253816,000	528,000	0,880	880,000	3168,000
11-02-2008	23:21:38	38254304,000	488,000	0,813	813,333	2928,000
11-02-2008	23:31:38	38254848,000	544,000	0,907	906,667	3264,000
11-02-2008	23:41:38	38255488,000	640,000	1,067	1066,667	3840,000
11-02-2008	23:51:38	38255912,000	424,000	0,707	706,667	2544,000
12-02-2008	00:00:04	38256416,000	504,000	0,996	996,047	3585,771

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	38256416,000				
12-02-2008	00:01:38	38256416,000	0,000	0,000	0,000	0,000
12-02-2008	00:11:38	38256944,000	528,000	0,880	880,000	3168,000
12-02-2008	00:21:38	38257584,000	640,000	1,067	1066,667	3840,000
12-02-2008	00:31:38	38258120,000	536,000	0,893	893,333	3216,000
12-02-2008	00:41:38	38258608,000	488,000	0,813	813,333	2928,000
12-02-2008	00:51:38	38259152,000	544,000	0,907	906,667	3264,000
12-02-2008	01:01:38	38259664,000	512,000	0,853	853,333	3072,000
12-02-2008	01:11:38	38260176,000	512,000	0,853	853,333	3072,000
12-02-2008	01:21:38	38260704,000	528,000	0,880	880,000	3168,000
12-02-2008	01:31:38	38261232,000	528,000	0,880	880,000	3168,000
12-02-2008	01:41:38	38261776,000	544,000	0,907	906,667	3264,000
12-02-2008	01:51:38	38262272,000	496,000	0,827	826,667	2976,000
12-02-2008	02:01:38	38262800,000	528,000	0,880	880,000	3168,000
12-02-2008	02:11:38	38263336,000	536,000	0,893	893,333	3216,000
12-02-2008	02:21:38	38263832,000	496,000	0,827	826,667	2976,000
12-02-2008	02:31:39	38264352,000	520,000	0,867	866,667	3120,000
12-02-2008	02:41:39	38264848,000	496,000	0,827	826,667	2976,000
12-02-2008	02:51:39	38265376,000	528,000	0,880	880,000	3168,000
12-02-2008	03:01:39	38265888,000	512,000	0,853	853,333	3072,000
12-02-2008	03:11:39	38266424,000	536,000	0,893	893,333	3216,000
12-02-2008	03:21:39	38266912,000	488,000	0,813	813,333	2928,000
12-02-2008	03:31:39	38267448,000	536,000	0,893	893,333	3216,000
12-02-2008	03:41:39	38267952,000	504,000	0,840	840,000	3024,000
12-02-2008	03:51:39	38268296,000	344,000	0,573	573,333	2064,000
12-02-2008	04:01:39	38268648,000	352,000	0,587	586,667	2112,000
12-02-2008	04:11:39	38268984,000	336,000	0,560	560,000	2016,000
12-02-2008	04:21:39	38269352,000	368,000	0,613	613,333	2208,000
12-02-2008	04:31:39	38269712,000	360,000	0,600	600,000	2160,000
12-02-2008	04:41:39	38270072,000	360,000	0,600	600,000	2160,000
12-02-2008	04:51:39	38270416,000	344,000	0,573	573,333	2064,000
12-02-2008	05:01:39	38270840,000	424,000	0,707	706,667	2544,000
12-02-2008	05:11:39	38271104,000	264,000	0,440	440,000	1584,000
12-02-2008	05:21:39	38271472,000	368,000	0,613	613,333	2208,000
12-02-2008	05:31:39	38271896,000	424,000	0,707	706,667	2544,000
12-02-2008	05:41:40	38272264,000	368,000	0,613	613,333	2208,000
12-02-2008	05:51:40	38272624,000	360,000	0,600	600,000	2160,000
12-02-2008	06:01:40	38272896,000	272,000	0,453	453,333	1632,000
12-02-2008	06:11:40	38273328,000	432,000	0,720	720,000	2592,000
12-02-2008	06:21:40	38273680,000	352,000	0,587	586,667	2112,000
12-02-2008	06:31:40	38274048,000	368,000	0,613	613,333	2208,000
12-02-2008	06:41:40	38274392,000	344,000	0,573	573,333	2064,000
12-02-2008	06:51:40	38274744,000	352,000	0,587	586,667	2112,000
12-02-2008	07:01:40	38275080,000	336,000	0,560	560,000	2016,000
12-02-2008	07:11:40	38275448,000	368,000	0,613	613,333	2208,000
12-02-2008	07:21:40	38275808,000	360,000	0,600	600,000	2160,000
12-02-2008	07:31:40	38276168,000	360,000	0,600	600,000	2160,000
12-02-2008	07:41:40	38276512,000	344,000	0,573	573,333	2064,000
12-02-2008	07:51:40	38276864,000	352,000	0,587	586,667	2112,000
12-02-2008	08:01:40	38277232,000	368,000	0,613	613,333	2208,000

12-02-2008	08:11:40	38277576,000	344,000	0,573	573,333	2064,000
12-02-2008	08:21:40	38277928,000	352,000	0,587	586,667	2112,000
12-02-2008	08:31:40	38278264,000	336,000	0,560	560,000	2016,000
12-02-2008	08:41:40	38278632,000	368,000	0,613	613,333	2208,000
12-02-2008	08:51:40	38278992,000	360,000	0,600	600,000	2160,000
12-02-2008	09:01:40	38279352,000	360,000	0,600	600,000	2160,000
12-02-2008	09:11:40	38279696,000	344,000	0,573	573,333	2064,000
12-02-2008	09:21:40	38280056,000	360,000	0,600	600,000	2160,000
12-02-2008	09:31:40	38280416,000	360,000	0,600	600,000	2160,000
12-02-2008	09:41:40	38280752,000	336,000	0,560	560,000	2016,000
12-02-2008	09:51:40	38281024,000	272,000	0,453	453,333	1632,000
12-02-2008	10:01:40	38281208,000	184,000	0,307	306,667	1104,000
12-02-2008	10:11:40	38281376,000	168,000	0,280	280,000	1008,000
12-02-2008	10:21:40	38281464,000	88,000	0,147	146,667	528,000
12-02-2008	10:31:40	38281464,000	0,000	0,000	0,000	0,000
12-02-2008	10:41:40	38281464,000	0,000	0,000	0,000	0,000
12-02-2008	10:51:40	38281464,000	0,000	0,000	0,000	0,000
12-02-2008	11:01:40	38281464,000	0,000	0,000	0,000	0,000
12-02-2008	11:11:40	38281464,000	0,000	0,000	0,000	0,000
12-02-2008	11:21:40	38281464,000	0,000	0,000	0,000	0,000
12-02-2008	11:31:40	38281464,000	0,000	0,000	0,000	0,000
12-02-2008	11:41:41	38281464,000	0,000	0,000	0,000	0,000
12-02-2008	11:51:41	38281464,000	0,000	0,000	0,000	0,000
12-02-2008	12:01:41	38281464,000	0,000	0,000	0,000	0,000
12-02-2008	12:11:41	38281464,000	0,000	0,000	0,000	0,000
12-02-2008	12:21:41	38281584,000	120,000	0,200	200,000	720,000
12-02-2008	12:31:41	38282000,000	416,000	0,693	693,333	2496,000
12-02-2008	12:41:41	38282536,000	536,000	0,893	893,333	3216,000
12-02-2008	12:51:41	38283056,000	520,000	0,867	866,667	3120,000
12-02-2008	13:01:41	38283568,000	512,000	0,853	853,333	3072,000
12-02-2008	13:11:41	38284072,000	504,000	0,840	840,000	3024,000
12-02-2008	13:21:41	38284616,000	544,000	0,907	906,667	3264,000
12-02-2008	13:31:41	38285240,000	624,000	1,040	1040,000	3744,000
12-02-2008	13:41:41	38285680,000	440,000	0,733	733,333	2640,000
12-02-2008	13:51:41	38286176,000	496,000	0,827	826,667	2976,000
12-02-2008	14:01:41	38286712,000	536,000	0,893	893,333	3216,000
12-02-2008	14:11:41	38287200,000	488,000	0,813	813,333	2928,000
12-02-2008	14:21:41	38287744,000	544,000	0,907	906,667	3264,000
12-02-2008	14:31:41	38288376,000	632,000	1,053	1053,333	3792,000
12-02-2008	14:41:41	38288872,000	496,000	0,827	826,667	2976,000
12-02-2008	14:51:41	38289360,000	488,000	0,813	813,333	2928,000
12-02-2008	15:01:41	38289960,000	600,000	1,000	1000,000	3600,000
12-02-2008	15:11:41	38290360,000	400,000	0,667	666,667	2400,000
12-02-2008	15:21:41	38291000,000	640,000	1,067	1066,667	3840,000
12-02-2008	15:31:41	38291536,000	536,000	0,893	893,333	3216,000
12-02-2008	15:41:41	38291936,000	400,000	0,667	666,667	2400,000
12-02-2008	15:51:41	38292464,000	528,000	0,880	880,000	3168,000
12-02-2008	16:01:41	38293104,000	640,000	1,067	1066,667	3840,000
12-02-2008	16:11:41	38293640,000	536,000	0,893	893,333	3216,000
12-02-2008	16:21:41	38294136,000	496,000	0,827	826,667	2976,000
12-02-2008	16:31:41	38294680,000	544,000	0,907	906,667	3264,000
12-02-2008	16:41:41	38295112,000	432,000	0,720	720,000	2592,000
12-02-2008	16:51:42	38295656,000	544,000	0,907	906,667	3264,000
12-02-2008	17:01:42	38296192,000	536,000	0,893	893,333	3216,000
12-02-2008	17:11:42	38296720,000	528,000	0,880	880,000	3168,000

12-02-2008	17:21:42	38297312,000	592,000	0,987	986,667	3552,000
12-02-2008	17:31:42	38297704,000	392,000	0,653	653,333	2352,000
12-02-2008	17:41:42	38298288,000	584,000	0,973	973,333	3504,000
12-02-2008	17:51:42	38298864,000	576,000	0,960	960,000	3456,000
12-02-2008	18:01:42	38299304,000	440,000	0,733	733,333	2640,000
12-02-2008	18:11:42	38299888,000	584,000	0,973	973,333	3504,000
12-02-2008	18:21:42	38300360,000	472,000	0,787	786,667	2832,000
12-02-2008	18:31:42	38300592,000	232,000	0,387	386,667	1392,000
12-02-2008	18:41:42	38300592,000	0,000	0,000	0,000	0,000
12-02-2008	18:51:42	38300592,000	0,000	0,000	0,000	0,000
12-02-2008	19:01:42	38300592,000	0,000	0,000	0,000	0,000
12-02-2008	19:11:42	38300592,000	0,000	0,000	0,000	0,000
12-02-2008	19:21:42	38300592,000	0,000	0,000	0,000	0,000
12-02-2008	19:31:42	38300592,000	0,000	0,000	0,000	0,000
12-02-2008	19:41:42	38300592,000	0,000	0,000	0,000	0,000
12-02-2008	19:51:42	38300592,000	0,000	0,000	0,000	0,000
12-02-2008	20:01:42	38300592,000	0,000	0,000	0,000	0,000
12-02-2008	20:11:42	38300712,000	120,000	0,200	200,000	720,000
12-02-2008	20:21:42	38300856,000	144,000	0,240	240,000	864,000
12-02-2008	20:31:42	38301056,000	200,000	0,333	333,333	1200,000
12-02-2008	20:41:42	38301248,000	192,000	0,320	320,000	1152,000
12-02-2008	20:51:42	38301424,000	176,000	0,293	293,333	1056,000
12-02-2008	21:01:42	38301728,000	304,000	0,507	506,667	1824,000
12-02-2008	21:11:42	38302104,000	376,000	0,627	626,667	2256,000
12-02-2008	21:21:42	38302632,000	528,000	0,880	880,000	3168,000
12-02-2008	21:31:43	38303176,000	544,000	0,907	906,667	3264,000
12-02-2008	21:41:43	38303712,000	536,000	0,893	893,333	3216,000
12-02-2008	21:51:43	38304144,000	432,000	0,720	720,000	2592,000
12-02-2008	22:01:43	38304736,000	592,000	0,987	986,667	3552,000
12-02-2008	22:11:43	38305176,000	440,000	0,733	733,333	2640,000
12-02-2008	22:21:43	38305760,000	584,000	0,973	973,333	3504,000
12-02-2008	22:31:43	38306344,000	584,000	0,973	973,333	3504,000
12-02-2008	22:41:43	38306784,000	440,000	0,733	733,333	2640,000
12-02-2008	22:51:43	38307376,000	592,000	0,987	986,667	3552,000
12-02-2008	23:01:43	38307816,000	440,000	0,733	733,333	2640,000
12-02-2008	23:11:43	38308400,000	584,000	0,973	973,333	3504,000
12-02-2008	23:21:43	38308832,000	432,000	0,720	720,000	2592,000
12-02-2008	23:31:43	38309416,000	584,000	0,973	973,333	3504,000
12-02-2008	23:41:43	38310008,000	592,000	0,987	986,667	3552,000
12-02-2008	23:51:43	38310440,000	432,000	0,720	720,000	2592,000
13-02-2008	00:00:24	38310896,000	456,000	0,875	875,240	3150,864

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	38310896,000				
13-02-2008	00:01:43	38311032,000	136,000	1,722	1721,519	6197,468
13-02-2008	00:11:43	38311560,000	528,000	0,880	880,000	3168,000
13-02-2008	00:21:43	38312056,000	496,000	0,827	826,667	2976,000
13-02-2008	00:31:43	38312584,000	528,000	0,880	880,000	3168,000
13-02-2008	00:41:43	38313120,000	536,000	0,893	893,333	3216,000
13-02-2008	00:51:43	38313616,000	496,000	0,827	826,667	2976,000
13-02-2008	01:01:43	38314144,000	528,000	0,880	880,000	3168,000
13-02-2008	01:11:43	38314680,000	536,000	0,893	893,333	3216,000
13-02-2008	01:21:43	38315168,000	488,000	0,813	813,333	2928,000
13-02-2008	01:31:43	38315704,000	536,000	0,893	893,333	3216,000
13-02-2008	01:41:43	38316232,000	528,000	0,880	880,000	3168,000
13-02-2008	01:51:43	38316736,000	504,000	0,840	840,000	3024,000
13-02-2008	02:01:43	38317256,000	520,000	0,867	866,667	3120,000
13-02-2008	02:11:43	38317792,000	536,000	0,893	893,333	3216,000
13-02-2008	02:21:43	38318336,000	544,000	0,907	906,667	3264,000
13-02-2008	02:31:43	38318920,000	584,000	0,973	973,333	3504,000
13-02-2008	02:41:43	38319344,000	424,000	0,707	706,667	2544,000
13-02-2008	02:51:43	38319848,000	504,000	0,840	840,000	3024,000
13-02-2008	03:01:43	38320368,000	520,000	0,867	866,667	3120,000
13-02-2008	03:11:43	38321008,000	640,000	1,067	1066,667	3840,000
13-02-2008	03:21:43	38321400,000	392,000	0,653	653,333	2352,000
13-02-2008	03:31:43	38321928,000	528,000	0,880	880,000	3168,000
13-02-2008	03:41:43	38322568,000	640,000	1,067	1066,667	3840,000
13-02-2008	03:51:43	38323096,000	528,000	0,880	880,000	3168,000
13-02-2008	04:01:43	38323488,000	392,000	0,653	653,333	2352,000
13-02-2008	04:11:43	38323992,000	504,000	0,840	840,000	3024,000
13-02-2008	04:21:43	38324344,000	352,000	0,587	586,667	2112,000
13-02-2008	04:31:43	38324680,000	336,000	0,560	560,000	2016,000
13-02-2008	04:41:43	38325040,000	360,000	0,600	600,000	2160,000
13-02-2008	04:51:43	38325400,000	360,000	0,600	600,000	2160,000
13-02-2008	05:01:43	38325760,000	360,000	0,600	600,000	2160,000
13-02-2008	05:11:43	38326040,000	280,000	0,467	466,667	1680,000
13-02-2008	05:21:43	38326216,000	176,000	0,293	293,333	1056,000
13-02-2008	05:31:44	38326400,000	184,000	0,307	306,667	1104,000
13-02-2008	05:41:44	38326576,000	176,000	0,293	293,333	1056,000
13-02-2008	05:51:44	38326752,000	176,000	0,293	293,333	1056,000
13-02-2008	06:01:44	38326936,000	184,000	0,307	306,667	1104,000
13-02-2008	06:11:44	38327096,000	160,000	0,267	266,667	960,000
13-02-2008	06:21:44	38327280,000	184,000	0,307	306,667	1104,000
13-02-2008	06:31:44	38327464,000	184,000	0,307	306,667	1104,000
13-02-2008	06:41:44	38327632,000	168,000	0,280	280,000	1008,000
13-02-2008	06:51:44	38327808,000	176,000	0,293	293,333	1056,000
13-02-2008	07:01:44	38327992,000	184,000	0,307	306,667	1104,000
13-02-2008	07:11:44	38328160,000	168,000	0,280	280,000	1008,000
13-02-2008	07:21:44	38328344,000	184,000	0,307	306,667	1104,000
13-02-2008	07:31:44	38328520,000	176,000	0,293	293,333	1056,000
13-02-2008	07:41:44	38328696,000	176,000	0,293	293,333	1056,000
13-02-2008	07:51:44	38328872,000	176,000	0,293	293,333	1056,000
13-02-2008	08:01:44	38329072,000	200,000	0,333	333,333	1200,000
13-02-2008	08:11:44	38329472,000	400,000	0,667	666,667	2400,000

13-02-2008	08:21:44	38329864,000	392,000	0,653	653,333	2352,000
13-02-2008	08:31:44	38330384,000	520,000	0,867	866,667	3120,000
13-02-2008	08:41:44	38330920,000	536,000	0,893	893,333	3216,000
13-02-2008	08:51:44	38331424,000	504,000	0,840	840,000	3024,000
13-02-2008	09:01:44	38331944,000	520,000	0,867	866,667	3120,000
13-02-2008	09:11:44	38332480,000	536,000	0,893	893,333	3216,000
13-02-2008	09:21:44	38332984,000	504,000	0,840	840,000	3024,000
13-02-2008	09:31:44	38333432,000	448,000	0,747	746,667	2688,000
13-02-2008	09:41:44	38333616,000	184,000	0,307	306,667	1104,000
13-02-2008	09:51:44	38333784,000	168,000	0,280	280,000	1008,000
13-02-2008	10:01:44	38333960,000	176,000	0,293	293,333	1056,000
13-02-2008	10:11:44	38334144,000	184,000	0,307	306,667	1104,000
13-02-2008	10:21:44	38334328,000	184,000	0,307	306,667	1104,000
13-02-2008	10:31:44	38334480,000	152,000	0,253	253,333	912,000
13-02-2008	10:41:44	38334504,000	24,000	0,040	40,000	144,000
13-02-2008	10:51:45	38334504,000	0,000	0,000	0,000	0,000
13-02-2008	11:01:45	38334504,000	0,000	0,000	0,000	0,000
13-02-2008	11:11:45	38334504,000	0,000	0,000	0,000	0,000
13-02-2008	11:21:45	38334504,000	0,000	0,000	0,000	0,000
13-02-2008	11:31:45	38334504,000	0,000	0,000	0,000	0,000
13-02-2008	11:41:45	38334504,000	0,000	0,000	0,000	0,000
13-02-2008	11:51:45	38334504,000	0,000	0,000	0,000	0,000
13-02-2008	12:01:45	38334504,000	0,000	0,000	0,000	0,000
13-02-2008	12:11:45	38334504,000	0,000	0,000	0,000	0,000
13-02-2008	12:22:05	38334776,000	272,000	0,453	453,333	1632,000
13-02-2008	12:32:49	38335376,000	600,000	1,000	1000,000	3600,000
13-02-2008	12:42:50	38335816,000	440,000	0,733	733,333	2640,000
13-02-2008	12:52:50	38336352,000	536,000	0,893	893,333	3216,000
13-02-2008	13:02:50	38336880,000	528,000	0,880	880,000	3168,000
13-02-2008	13:12:50	38337416,000	536,000	0,893	893,333	3216,000
13-02-2008	13:22:50	38337920,000	504,000	0,840	840,000	3024,000
13-02-2008	13:32:50	38338448,000	528,000	0,880	880,000	3168,000
13-02-2008	13:42:50	38339000,000	552,000	0,920	920,000	3312,000
13-02-2008	13:52:50	38339504,000	504,000	0,840	840,000	3024,000
13-02-2008	14:02:50	38340024,000	520,000	0,867	866,667	3120,000
13-02-2008	14:12:50	38340568,000	544,000	0,907	906,667	3264,000
13-02-2008	14:22:50	38341072,000	504,000	0,840	840,000	3024,000
13-02-2008	14:32:50	38341592,000	520,000	0,867	866,667	3120,000
13-02-2008	14:42:50	38342128,000	536,000	0,893	893,333	3216,000
13-02-2008	14:52:50	38342632,000	504,000	0,840	840,000	3024,000
13-02-2008	15:02:50	38343160,000	528,000	0,880	880,000	3168,000
13-02-2008	15:12:50	38343696,000	536,000	0,893	893,333	3216,000
13-02-2008	15:22:50	38344200,000	504,000	0,840	840,000	3024,000
13-02-2008	15:32:50	38344736,000	536,000	0,893	893,333	3216,000
13-02-2008	15:42:50	38345376,000	640,000	1,067	1066,667	3840,000
13-02-2008	15:52:50	38345896,000	520,000	0,867	866,667	3120,000
13-02-2008	16:02:50	38346296,000	400,000	0,667	666,667	2400,000
13-02-2008	16:12:50	38346944,000	648,000	1,080	1080,000	3888,000
13-02-2008	16:22:50	38347464,000	520,000	0,867	866,667	3120,000
13-02-2008	16:32:50	38348000,000	536,000	0,893	893,333	3216,000
13-02-2008	16:42:50	38348504,000	504,000	0,840	840,000	3024,000
13-02-2008	16:52:50	38349040,000	536,000	0,893	893,333	3216,000
13-02-2008	17:02:50	38349568,000	528,000	0,880	880,000	3168,000
13-02-2008	17:12:50	38350072,000	504,000	0,840	840,000	3024,000
13-02-2008	17:22:51	38350608,000	536,000	0,893	893,333	3216,000

13-02-2008	17:32:51	38351144,000	536,000	0,893	893,333	3216,000
13-02-2008	17:42:51	38351632,000	488,000	0,813	813,333	2928,000
13-02-2008	17:52:51	38352168,000	536,000	0,893	893,333	3216,000
13-02-2008	18:02:51	38352696,000	528,000	0,880	880,000	3168,000
13-02-2008	18:12:51	38353192,000	496,000	0,827	826,667	2976,000
13-02-2008	18:22:51	38353688,000	496,000	0,827	826,667	2976,000
13-02-2008	18:32:51	38353944,000	256,000	0,427	426,667	1536,000
13-02-2008	18:42:51	38353952,000	8,000	0,013	13,333	48,000
13-02-2008	18:52:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	19:02:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	19:12:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	19:22:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	19:32:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	19:42:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	19:52:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	20:02:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	20:12:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	20:22:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	20:32:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	20:42:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	20:52:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	21:02:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	21:12:51	38353952,000	0,000	0,000	0,000	0,000
13-02-2008	21:22:51	38354000,000	48,000	0,080	80,000	288,000
13-02-2008	21:32:51	38354288,000	288,000	0,480	480,000	1728,000
13-02-2008	21:42:51	38354824,000	536,000	0,893	893,333	3216,000
13-02-2008	21:52:51	38355216,000	392,000	0,653	653,333	2352,000
13-02-2008	22:02:51	38355864,000	648,000	1,080	1080,000	3888,000
13-02-2008	22:12:51	38356392,000	528,000	0,880	880,000	3168,000
13-02-2008	22:22:51	38356928,000	536,000	0,893	893,333	3216,000
13-02-2008	22:32:52	38357424,000	496,000	0,827	826,667	2976,000
13-02-2008	22:42:52	38357952,000	528,000	0,880	880,000	3168,000
13-02-2008	22:52:52	38358488,000	536,000	0,893	893,333	3216,000
13-02-2008	23:02:52	38358992,000	504,000	0,840	840,000	3024,000
13-02-2008	23:12:52	38359520,000	528,000	0,880	880,000	3168,000
13-02-2008	23:22:52	38360056,000	536,000	0,893	893,333	3216,000
13-02-2008	23:32:52	38360552,000	496,000	0,827	826,667	2976,000
13-02-2008	23:42:52	38361080,000	528,000	0,880	880,000	3168,000
13-02-2008	23:52:52	38361616,000	536,000	0,893	893,333	3216,000
14-02-2008	00:00:13	38362016,000	400,000	0,907	907,029	3265,306

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:14	38362016,000				
14-02-2008	00:02:52	38362120,000	104,000	0,658	658,228	2369,620
14-02-2008	00:12:52	38362640,000	520,000	0,867	866,667	3120,000
14-02-2008	00:22:52	38363176,000	536,000	0,893	893,333	3216,000
14-02-2008	00:32:52	38363680,000	504,000	0,840	840,000	3024,000
14-02-2008	00:42:52	38364208,000	528,000	0,880	880,000	3168,000
14-02-2008	00:52:52	38364744,000	536,000	0,893	893,333	3216,000
14-02-2008	01:02:52	38365240,000	496,000	0,827	826,667	2976,000
14-02-2008	01:12:52	38365776,000	536,000	0,893	893,333	3216,000
14-02-2008	01:22:53	38366312,000	536,000	0,893	893,333	3216,000
14-02-2008	01:32:53	38366808,000	496,000	0,827	826,667	2976,000
14-02-2008	01:42:53	38367336,000	528,000	0,880	880,000	3168,000
14-02-2008	01:52:53	38367880,000	544,000	0,907	906,667	3264,000
14-02-2008	02:02:53	38368384,000	504,000	0,840	840,000	3024,000
14-02-2008	02:12:53	38368944,000	560,000	0,933	933,333	3360,000
14-02-2008	02:22:53	38369472,000	528,000	0,880	880,000	3168,000
14-02-2008	02:32:53	38369976,000	504,000	0,840	840,000	3024,000
14-02-2008	02:42:53	38370504,000	528,000	0,880	880,000	3168,000
14-02-2008	02:52:53	38371032,000	528,000	0,880	880,000	3168,000
14-02-2008	03:02:53	38371536,000	504,000	0,840	840,000	3024,000
14-02-2008	03:12:53	38372056,000	520,000	0,867	866,667	3120,000
14-02-2008	03:22:54	38372504,000	448,000	0,747	746,667	2688,000
14-02-2008	03:32:54	38372872,000	368,000	0,613	613,333	2208,000
14-02-2008	03:42:54	38373232,000	360,000	0,600	600,000	2160,000
14-02-2008	03:52:54	38373528,000	296,000	0,493	493,333	1776,000
14-02-2008	04:02:54	38373704,000	176,000	0,293	293,333	1056,000
14-02-2008	04:12:54	38373888,000	184,000	0,307	306,667	1104,000
14-02-2008	04:22:54	38374072,000	184,000	0,307	306,667	1104,000
14-02-2008	04:32:54	38374248,000	176,000	0,293	293,333	1056,000
14-02-2008	04:42:54	38374432,000	184,000	0,307	306,667	1104,000
14-02-2008	04:52:54	38374648,000	216,000	0,360	360,000	1296,000
14-02-2008	05:02:54	38374784,000	136,000	0,227	226,667	816,000
14-02-2008	05:12:55	38374960,000	176,000	0,293	293,333	1056,000
14-02-2008	05:22:55	38375184,000	224,000	0,373	373,333	1344,000
14-02-2008	05:32:55	38375368,000	184,000	0,307	306,667	1104,000
14-02-2008	05:42:55	38375552,000	184,000	0,307	306,667	1104,000
14-02-2008	05:52:55	38375728,000	176,000	0,293	293,333	1056,000
14-02-2008	06:02:55	38375912,000	184,000	0,307	306,667	1104,000
14-02-2008	06:12:55	38376096,000	184,000	0,307	306,667	1104,000
14-02-2008	06:22:55	38376272,000	176,000	0,293	293,333	1056,000
14-02-2008	06:32:55	38376448,000	176,000	0,293	293,333	1056,000
14-02-2008	06:42:55	38376632,000	184,000	0,307	306,667	1104,000
14-02-2008	06:52:55	38376808,000	176,000	0,293	293,333	1056,000
14-02-2008	07:02:55	38377024,000	216,000	0,360	360,000	1296,000
14-02-2008	07:12:55	38377392,000	368,000	0,613	613,333	2208,000
14-02-2008	07:22:55	38377736,000	344,000	0,573	573,333	2064,000
14-02-2008	07:32:56	38378096,000	360,000	0,600	600,000	2160,000
14-02-2008	07:42:56	38378456,000	360,000	0,600	600,000	2160,000
14-02-2008	07:52:56	38378792,000	336,000	0,560	560,000	2016,000
14-02-2008	08:02:56	38379160,000	368,000	0,613	613,333	2208,000
14-02-2008	08:12:56	38379520,000	360,000	0,600	600,000	2160,000

14-02-2008	08:22:56	38379952,000	432,000	0,720	720,000	2592,000
14-02-2008	08:32:56	38380472,000	520,000	0,867	866,667	3120,000
14-02-2008	08:42:56	38381008,000	536,000	0,893	893,333	3216,000
14-02-2008	08:52:56	38381512,000	504,000	0,840	840,000	3024,000
14-02-2008	09:02:56	38382040,000	528,000	0,880	880,000	3168,000
14-02-2008	09:12:56	38382576,000	536,000	0,893	893,333	3216,000
14-02-2008	09:22:56	38383064,000	488,000	0,813	813,333	2928,000
14-02-2008	09:32:56	38383600,000	536,000	0,893	893,333	3216,000
14-02-2008	09:42:56	38384016,000	416,000	0,693	693,333	2496,000
14-02-2008	09:52:56	38384200,000	184,000	0,307	306,667	1104,000
14-02-2008	10:02:56	38384384,000	184,000	0,307	306,667	1104,000
14-02-2008	10:12:56	38384600,000	216,000	0,360	360,000	1296,000
14-02-2008	10:22:56	38384616,000	16,000	0,027	26,667	96,000
14-02-2008	10:32:56	38384616,000	0,000	0,000	0,000	0,000
14-02-2008	10:42:56	38384616,000	0,000	0,000	0,000	0,000
14-02-2008	10:52:56	38384616,000	0,000	0,000	0,000	0,000
14-02-2008	11:02:56	38384616,000	0,000	0,000	0,000	0,000
14-02-2008	11:12:56	38384616,000	0,000	0,000	0,000	0,000
14-02-2008	11:22:56	38384616,000	0,000	0,000	0,000	0,000
14-02-2008	11:32:56	38384616,000	0,000	0,000	0,000	0,000
14-02-2008	11:42:56	38384616,000	0,000	0,000	0,000	0,000
14-02-2008	11:52:56	38384616,000	0,000	0,000	0,000	0,000
14-02-2008	12:02:56	38384632,000	16,000	0,027	26,667	96,000
14-02-2008	12:12:56	38384800,000	168,000	0,280	280,000	1008,000
14-02-2008	12:22:56	38385064,000	264,000	0,440	440,000	1584,000
14-02-2008	12:32:56	38385568,000	504,000	0,840	840,000	3024,000
14-02-2008	12:42:56	38386072,000	504,000	0,840	840,000	3024,000
14-02-2008	12:52:57	38386592,000	520,000	0,867	866,667	3120,000
14-02-2008	13:02:57	38387128,000	536,000	0,893	893,333	3216,000
14-02-2008	13:12:57	38387640,000	512,000	0,853	853,333	3072,000
14-02-2008	13:22:57	38388160,000	520,000	0,867	866,667	3120,000
14-02-2008	13:32:57	38388696,000	536,000	0,893	893,333	3216,000
14-02-2008	13:42:57	38389200,000	504,000	0,840	840,000	3024,000
14-02-2008	13:52:57	38389736,000	536,000	0,893	893,333	3216,000
14-02-2008	14:02:57	38390256,000	520,000	0,867	866,667	3120,000
14-02-2008	14:12:57	38390768,000	512,000	0,853	853,333	3072,000
14-02-2008	14:22:57	38391304,000	536,000	0,893	893,333	3216,000
14-02-2008	14:32:57	38391832,000	528,000	0,880	880,000	3168,000
14-02-2008	14:42:57	38392328,000	496,000	0,827	826,667	2976,000
14-02-2008	14:52:57	38392864,000	536,000	0,893	893,333	3216,000
14-02-2008	15:02:57	38393352,000	488,000	0,813	813,333	2928,000
14-02-2008	15:12:57	38393888,000	536,000	0,893	893,333	3216,000
14-02-2008	15:22:57	38394528,000	640,000	1,067	1066,667	3840,000
14-02-2008	15:32:57	38394960,000	432,000	0,720	720,000	2592,000
14-02-2008	15:42:57	38395456,000	496,000	0,827	826,667	2976,000
14-02-2008	15:52:57	38395992,000	536,000	0,893	893,333	3216,000
14-02-2008	16:02:57	38396608,000	616,000	1,027	1026,667	3696,000
14-02-2008	16:12:57	38397096,000	488,000	0,813	813,333	2928,000
14-02-2008	16:22:57	38397584,000	488,000	0,813	813,333	2928,000
14-02-2008	16:32:57	38398056,000	472,000	0,787	786,667	2832,000
14-02-2008	16:42:57	38398608,000	552,000	0,920	920,000	3312,000
14-02-2008	16:52:57	38399232,000	624,000	1,040	1040,000	3744,000
14-02-2008	17:02:57	38399736,000	504,000	0,840	840,000	3024,000
14-02-2008	17:12:57	38400248,000	512,000	0,853	853,333	3072,000
14-02-2008	17:22:57	38400744,000	496,000	0,827	826,667	2976,000

14-02-2008	17:32:57	38401232,000	488,000	0,813	813,333	2928,000
14-02-2008	17:42:57	38401752,000	520,000	0,867	866,667	3120,000
14-02-2008	17:52:57	38402248,000	496,000	0,827	826,667	2976,000
14-02-2008	18:02:57	38402872,000	624,000	1,040	1040,000	3744,000
14-02-2008	18:12:57	38403400,000	528,000	0,880	880,000	3168,000
14-02-2008	18:22:57	38403896,000	496,000	0,827	826,667	2976,000
14-02-2008	18:32:57	38404240,000	344,000	0,573	573,333	2064,000
14-02-2008	18:42:58	38404272,000	32,000	0,053	53,333	192,000
14-02-2008	18:52:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	19:02:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	19:12:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	19:22:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	19:32:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	19:42:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	19:52:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	20:02:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	20:12:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	20:22:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	20:32:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	20:42:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	20:52:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	21:02:58	38404272,000	0,000	0,000	0,000	0,000
14-02-2008	21:12:58	38404408,000	136,000	0,227	226,667	816,000
14-02-2008	21:22:58	38404800,000	392,000	0,653	653,333	2352,000
14-02-2008	21:32:58	38405296,000	496,000	0,827	826,667	2976,000
14-02-2008	21:42:58	38405832,000	536,000	0,893	893,333	3216,000
14-02-2008	21:52:58	38406304,000	472,000	0,787	786,667	2832,000
14-02-2008	22:02:58	38406832,000	528,000	0,880	880,000	3168,000
14-02-2008	22:12:58	38407336,000	504,000	0,840	840,000	3024,000
14-02-2008	22:22:58	38407968,000	632,000	1,053	1053,333	3792,000
14-02-2008	22:32:58	38408464,000	496,000	0,827	826,667	2976,000
14-02-2008	22:42:58	38408984,000	520,000	0,867	866,667	3120,000
14-02-2008	22:52:58	38409472,000	488,000	0,813	813,333	2928,000
14-02-2008	23:02:58	38410000,000	528,000	0,880	880,000	3168,000
14-02-2008	23:12:58	38410496,000	496,000	0,827	826,667	2976,000
14-02-2008	23:22:58	38411128,000	632,000	1,053	1053,333	3792,000
14-02-2008	23:32:58	38411632,000	504,000	0,840	840,000	3024,000
14-02-2008	23:42:58	38412152,000	520,000	0,867	866,667	3120,000
14-02-2008	23:52:59	38412648,000	496,000	0,827	826,667	2976,000
15-02-2008	00:00:02	38413032,000	384,000	0,908	907,801	3268,085

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	Caudais Médios m3/h	Caudal Médio Horário
Hora	**Caudal (m3/h)**							
00:00-00:10	3413,793	2340,406	2057,143	3168,000	3168,000	3120,000	2877,890	2960,982
00:10-00:20	3216,000	3552,000	2160,000	3840,000	2976,000	3216,000	3160,000	
00:20-00:30	3216,000	2976,000	2160,000	3216,000	3168,000	3024,000	2960,000	
00:30-00:40	3264,000	3216,000	2064,000	2928,000	3216,000	3168,000	2976,000	
00:40-00:50	3216,000	3168,000	2112,000	3264,000	2976,000	3216,000	2992,000	
00:50-01:00	2544,000	3024,000	2016,000	3072,000	3168,000	2976,000	2800,000	
01:00-01:10	3552,000	3168,000	2208,000	3072,000	3216,000	3216,000	3072,000	2990,667
01:10-01:20	2640,000	3216,000	2112,000	3168,000	2928,000	3216,000	2880,000	
01:20-01:30	3504,000	2976,000	2256,000	3168,000	3216,000	2976,000	3016,000	
01:30-01:40	3552,000	3264,000	1968,000	3264,000	3168,000	3168,000	3064,000	
01:40-01:50	2640,000	3120,000	2160,000	2976,000	3024,000	3264,000	2864,000	
01:50-02:00	3552,000	3024,000	2400,000	3168,000	3120,000	3024,000	3048,000	
02:00-02:10	2640,000	3168,000	1824,000	3216,000	3216,000	3360,000	2904,000	2960,000
02:10-02:20	3504,000	3840,000	2400,000	2976,000	3264,000	3168,000	3192,000	
02:20-02:30	2592,000	2688,000	2400,000	3120,000	3504,000	3024,000	2888,000	
02:30-02:40	3504,000	3504,000	1728,000	2976,000	2544,000	3168,000	2904,000	
02:40-02:50	3264,000	2592,000	2400,000	3168,000	3024,000	3168,000	2936,000	
02:50-03:00	3120,000	3504,000	1776,000	3072,000	3120,000	3024,000	2936,000	
03:00-03:10	3216,000	3552,000	2352,000	3216,000	3840,000	3120,000	3216,000	2756,000
03:10-03:20	2976,000	2640,000	2400,000	2928,000	2352,000	2688,000	2664,000	
03:20-03:30	3120,000	3504,000	1776,000	3216,000	3168,000	2208,000	2832,000	
03:30-03:40	3168,000	2640,000	2400,000	3024,000	3840,000	2160,000	2872,000	
03:40-03:50	2976,000	3552,000	1824,000	2064,000	3168,000	1776,000	2560,000	
03:50-04:00	3216,000	3216,000	2400,000	2112,000	2352,000	1056,000	2392,000	
04:00-04:10	3120,000	3120,000	1728,000	2016,000	3024,000	1104,000	2352,000	2312,000
04:10-04:20	3024,000	3024,000	2400,000	2208,000	2112,000	1104,000	2312,000	
04:20-04:30	3216,000	3168,000	2400,000	2160,000	2016,000	1056,000	2336,000	
04:30-04:40	3216,000	3216,000	1728,000	2160,000	2160,000	1104,000	2264,000	
04:40-04:50	3024,000	2976,000	2400,000	2064,000	2160,000	1296,000	2320,000	
04:50-05:00	3216,000	3216,000	1776,000	2544,000	2160,000	816,000	2288,000	
05:00-05:10	3168,000	3120,000	2400,000	1584,000	1680,000	1056,000	2168,000	2126,667
05:10-05:20	2928,000	3552,000	2352,000	2208,000	1056,000	1344,000	2240,000	
05:20-05:30	3216,000	2640,000	1776,000	2544,000	1104,000	1104,000	2064,000	
05:30-05:40	3216,000	3504,000	2400,000	2208,000	1056,000	1104,000	2248,000	
05:40-05:50	3024,000	2640,000	2112,000	2160,000	1056,000	1056,000	2008,000	
05:50-06:00	3120,000	3216,000	2016,000	1632,000	1104,000	1104,000	2032,000	
06:00-06:10	3888,000	3168,000	2208,000	2592,000	960,000	1104,000	2320,000	2006,667
06:10-06:20	3168,000	3216,000	2112,000	2112,000	1104,000	1056,000	2128,000	
06:20-06:30	2064,000	3264,000	2016,000	2208,000	1104,000	1056,000	1952,000	
06:30-06:40	2592,000	3216,000	2160,000	2064,000	1008,000	1104,000	2024,000	
06:40-06:50	2208,000	3072,000	2112,000	2112,000	1056,000	1056,000	1936,000	
06:50-07:00	1584,000	1872,000	2208,000	2016,000	1104,000	1296,000	1680,000	
07:00-07:10	2640,000	2592,000	2064,000	2208,000	1008,000	2208,000	2120,000	1874,667
07:10-07:20	2112,000	2160,000	2112,000	2160,000	1104,000	2064,000	1952,000	
07:20-07:30	1920,000	1824,000	2016,000	2160,000	1056,000	2160,000	1856,000	
07:30-07:40	1056,000	2112,000	2160,000	2064,000	1056,000	2160,000	1768,000	
07:40-07:50	1104,000	2208,000	2160,000	2112,000	1056,000	2016,000	1776,000	
07:50-08:00	1104,000	1968,000	1968,000	2208,000	1200,000	2208,000	1776,000	

08:00-08:10	1008,000	2208,000	2208,000	2064,000	2400,000	2160,000	2008,000	2357,333
08:10-08:20	1104,000	2160,000	2064,000	2112,000	2352,000	2592,000	2064,000	
08:20-08:30	1824,000	2064,000	2256,000	2016,000	3120,000	3120,000	2400,000	
08:30-08:40	2400,000	2400,000	1968,000	2208,000	3216,000	3216,000	2568,000	
08:40-08:50	3168,000	1104,000	2400,000	2160,000	3024,000	3024,000	2480,000	
08:50-09:00	3216,000	1104,000	2976,000	2160,000	3120,000	3168,000	2624,000	
09:00-09:10	2976,000	1008,000	3264,000	2064,000	3216,000	3216,000	2624,000	1858,667
09:10-09:20	2832,000	1680,000	3696,000	2160,000	3024,000	2928,000	2720,000	
09:20-09:30	1392,000	2160,000	1056,000	2160,000	2688,000	3216,000	2112,000	
09:30-09:40	1008,000	2160,000	0,000	2016,000	1104,000	2496,000	1464,000	
09:40-09:50	1104,000	2064,000	0,000	1632,000	1008,000	1104,000	1152,000	
09:50-10:00	1104,000	2112,000	0,000	1104,000	1056,000	1104,000	1080,000	
10:00-10:10	1008,000	2016,000	0,000	1008,000	1104,000	1296,000	1072,000	838,667
10:10-10:20	1584,000	2208,000	0,000	528,000	1104,000	96,000	920,000	
10:20-10:30	2208,000	2160,000	0,000	0,000	912,000	0,000	880,000	
10:30-10:40	2064,000	1968,000	0,000	0,000	144,000	0,000	696,000	
10:40-10:50	2256,000	2256,000	0,000	0,000	0,000	0,000	752,000	
10:50-11:00	2160,000	2112,000	0,000	0,000	0,000	0,000	712,000	
11:00-11:10	1680,000	2208,000	0,000	0,000	0,000	0,000	648,000	844,000
11:10-11:20	2448,000	2016,000	0,000	0,000	0,000	0,000	744,000	
11:20-11:30	2400,000	2160,000	0,000	0,000	0,000	0,000	760,000	
11:30-11:40	2736,000	2256,000	0,000	0,000	0,000	0,000	832,000	
11:40-11:50	3552,000	3024,000	0,000	0,000	0,000	0,000	1096,000	
11:50-12:00	2688,000	3120,000	0,000	0,000	0,000	96,000	984,000	
12:00-12:10	3648,000	2976,000	624,000	0,000	0,000	1008,000	1376,000	2649,333
12:10-12:20	2688,000	3216,000	1776,000	720,000	1632,000	1584,000	1936,000	
12:20-12:30	3312,000	3168,000	3264,000	2496,000	3600,000	3024,000	3144,000	
12:30-12:40	3312,000	3264,000	3120,000	3216,000	2640,000	3024,000	3096,000	
12:40-12:50	3216,000	3552,000	3024,000	3120,000	3216,000	3120,000	3208,000	
12:50-13:00	3120,000	2976,000	3264,000	3072,000	3168,000	3216,000	3136,000	
13:00-13:10	3264,000	3168,000	3120,000	3024,000	3216,000	3072,000	3144,000	3126,667
13:10-13:20	2688,000	3264,000	3264,000	3264,000	3024,000	3120,000	3104,000	
13:20-13:30	3600,000	2928,000	2976,000	3744,000	3168,000	3216,000	3272,000	
13:30-13:40	2352,000	3552,000	3216,000	2640,000	3312,000	3024,000	3016,000	
13:40-13:50	3312,000	2640,000	2928,000	2976,000	3024,000	3216,000	3016,000	
13:50-14:00	3312,000	3216,000	3264,000	3216,000	3120,000	3120,000	3208,000	
14:00-14:10	3456,000	3168,000	3744,000	2928,000	3264,000	3072,000	3272,000	3165,333
14:10-14:20	2688,000	3216,000	2592,000	3264,000	3024,000	3216,000	3000,000	
14:20-14:30	3504,000	3024,000	3024,000	3792,000	3120,000	3168,000	3272,000	
14:30-14:40	2640,000	3216,000	3504,000	2976,000	3216,000	2976,000	3088,000	
14:40-14:50	3456,000	3120,000	3504,000	2928,000	3024,000	3216,000	3208,000	
14:50-15:00	3552,000	3024,000	2640,000	3600,000	3168,000	2928,000	3152,000	
15:00-15:10	2592,000	3552,000	3504,000	2400,000	3216,000	3216,000	3080,000	3169,333
15:10-15:20	3504,000	3120,000	3216,000	3840,000	3024,000	3840,000	3424,000	
15:20-15:30	2640,000	2976,000	3120,000	3216,000	3216,000	2592,000	2960,000	
15:30-15:40	3456,000	3264,000	3264,000	2400,000	3840,000	2976,000	3200,000	
15:40-15:50	3504,000	3168,000	3024,000	3168,000	3120,000	3216,000	3200,000	
15:50-16:00	2688,000	3168,000	3120,000	3840,000	2400,000	3696,000	3152,000	
16:00-16:10	3456,000	3072,000	3216,000	3216,000	3888,000	2928,000	3296,000	3149,333
16:10-16:20	2640,000	3216,000	3024,000	2976,000	3120,000	2928,000	2984,000	
16:20-16:30	3504,000	3216,000	3120,000	3264,000	3216,000	2832,000	3192,000	
16:30-16:40	2640,000	2976,000	2976,000	2592,000	3024,000	3312,000	2920,000	
16:40-16:50	3504,000	3168,000	3264,000	3264,000	3216,000	3744,000	3360,000	
16:50-17:00	3408,000	2928,000	3120,000	3216,000	3168,000	3024,000	3144,000	

17:00-17:10	2640,000	3264,000	3264,000	3168,000	3024,000	3072,000	3072,000	3145,333
17:10-17:20	3504,000	3168,000	2976,000	3552,000	3216,000	2976,000	3232,000	
17:20-17:30	2640,000	3264,000	3168,000	2352,000	3216,000	2928,000	2928,000	
17:30-17:40	3504,000	2928,000	3216,000	3504,000	2928,000	3120,000	3200,000	
17:40-17:50	3504,000	3168,000	3024,000	3456,000	3216,000	2976,000	3224,000	
17:50-18:00	3120,000	3216,000	3408,000	2640,000	3168,000	3744,000	3216,000	
18:00-18:10	3024,000	3024,000	3216,000	3504,000	2976,000	3168,000	3152,000	1922,484
18:10-18:20	3120,000	3120,000	2064,000	2832,000	2976,000	2976,000	2848,000	
18:20-18:30	3168,000	3024,000	2400,000	1392,000	1536,000	2064,000	2264,000	
18:30-18:40	2928,000	3168,000	473,425	0,000	48,000	192,000	1134,904	
18:40-18:50	3216,000	3792,000	0,000	0,000	0,000	0,000	1168,000	
18:50-19:00	3168,000	2640,000	0,000	0,000	0,000	0,000	968,000	
19:00-19:10	2928,000	2928,000	0,000	0,000	0,000	0,000	976,000	1044,000
19:10-19:20	3216,000	3216,000	0,000	0,000	0,000	0,000	1072,000	
19:20-19:30	3216,000	3840,000	0,000	0,000	0,000	0,000	1176,000	
19:30-19:40	2928,000	3168,000	0,000	0,000	0,000	0,000	1016,000	
19:40-19:50	3216,000	2256,000	0,000	0,000	0,000	0,000	912,000	
19:50-20:00	3120,000	3552,000	0,000	0,000	0,000	0,000	1112,000	
20:00-20:10	3264,000	2928,000	0,000	720,000	0,000	0,000	1152,000	1120,000
20:10-20:20	2592,000	3072,000	0,000	864,000	0,000	0,000	1088,000	
20:20-20:30	3504,000	2208,000	0,000	1200,000	0,000	0,000	1152,000	
20:30-20:40	3504,000	2160,000	0,000	1152,000	0,000	0,000	1136,000	
20:40-20:50	2688,000	2016,000	0,000	1056,000	0,000	0,000	960,000	
20:50-21:00	3456,000	2112,000	0,000	1824,000	0,000	0,000	1232,000	
21:00-21:10	2736,000	2208,000	0,000	2256,000	0,000	816,000	1336,000	2469,333
21:10-21:20	3120,000	2016,000	864,000	3168,000	288,000	2352,000	1968,000	
21:20-21:30	3216,000	2160,000	2304,000	3264,000	1728,000	2976,000	2608,000	
21:30-21:40	2928,000	2592,000	2544,000	3216,000	3216,000	3216,000	2952,000	
21:40-21:50	3216,000	2112,000	3504,000	2592,000	2352,000	2832,000	2768,000	
21:50-22:00	3840,000	2016,000	2640,000	3552,000	3888,000	3168,000	3184,000	
22:00-22:10	3168,000	2208,000	3552,000	2640,000	3168,000	3024,000	2960,000	2962,667
22:10-22:20	3216,000	2112,000	3216,000	3504,000	3216,000	3792,000	3176,000	
22:20-22:30	2976,000	2208,000	2928,000	3504,000	2976,000	2976,000	2928,000	
22:30-22:40	3264,000	2016,000	3216,000	2640,000	3168,000	3120,000	2904,000	
22:40-22:50	3120,000	2160,000	2976,000	3552,000	3216,000	2928,000	2992,000	
22:50-23:00	2640,000	2160,000	3264,000	2640,000	3024,000	3168,000	2816,000	
23:00-23:10	3552,000	2064,000	3168,000	3504,000	3168,000	2976,000	3072,000	3013,945
23:10-23:20	2736,000	2112,000	2928,000	2592,000	3216,000	3792,000	2896,000	
23:20-23:30	3456,000	2016,000	3264,000	3504,000	2976,000	3024,000	3040,000	
23:30-23:40	3552,000	2208,000	3840,000	3552,000	3168,000	3120,000	3240,000	
23:40-23:50	2640,000	2112,000	2544,000	2592,000	3216,000	2976,000	2680,000	
23:50-00:00	3456,000	2208,000	3585,771	3150,864	3265,306	3268,085	3155,671	

Caudal Médio Diário = 2367,670 m3/h

Caudais Médios *ETA de Lever - Seixo Alvo (saída da ETA)*
Caudal (m3/h)
4000
3500
3000
2500
2000
1500
1000
500
0
00:00-00:10
00:40-00:50
01:20-01:30
02:00-02:10
02:40-02:50
03:20-03:30
04:00-04:10
04:40-04:50
05:20-05:30
06:00-06:10
06:40-06:50
07:20-07:30
08:00-08:10
08:40-08:50
09:20-09:30
10:00-10:10
10:40-10:50
11:20-11:30
12:00-12:10
12:40-12:50
13:20-13:30
14:00-14:10
14:40-14:50
15:20-15:30
16:00-16:10
16:40-16:50
17:20-17:30
18:00-18:10
18:40-18:50
19:20-19:30
20:00-20:10
20:40-20:50
21:20-21:30
22:00-22:10
22:40-22:50
23:20-23:30
Hora

Caudais Médios Horários *ETA de Lever - Seixo Alvo (saída da ETA)*
Caudal (m3/h)
3500
3000
2500
2000
1500
1000
500
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CAUDAIS

Lagoa – Jovim (saída de Lagoa)

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	27735616,000				
09-02-2008	00:07:45	27736048,000	432,000	0,931	931,034	3351,724
09-02-2008	00:17:45	27736600,000	552,000	0,920	920,000	3312,000
09-02-2008	00:27:45	27737156,000	556,000	0,927	926,667	3336,000
09-02-2008	00:37:45	27737728,000	572,000	0,953	953,333	3432,000
09-02-2008	00:47:45	27738284,000	556,000	0,927	926,667	3336,000
09-02-2008	00:57:46	27738844,000	560,000	0,933	933,333	3360,000
09-02-2008	01:07:46	27739404,000	560,000	0,933	933,333	3360,000
09-02-2008	01:17:46	27739964,000	560,000	0,933	933,333	3360,000
09-02-2008	01:27:46	27740524,000	560,000	0,933	933,333	3360,000
09-02-2008	01:37:46	27741096,000	572,000	0,953	953,333	3432,000
09-02-2008	01:47:46	27741660,000	564,000	0,940	940,000	3384,000
09-02-2008	01:57:46	27742228,000	568,000	0,947	946,667	3408,000
09-02-2008	02:07:46	27742792,000	564,000	0,940	940,000	3384,000
09-02-2008	02:17:46	27743368,000	576,000	0,960	960,000	3456,000
09-02-2008	02:27:46	27743936,000	568,000	0,947	946,667	3408,000
09-02-2008	02:37:46	27744508,000	572,000	0,953	953,333	3432,000
09-02-2008	02:47:46	27745080,000	572,000	0,953	953,333	3432,000
09-02-2008	02:57:46	27745656,000	576,000	0,960	960,000	3456,000
09-02-2008	03:07:46	27746236,000	580,000	0,967	966,667	3480,000
09-02-2008	03:17:46	27746832,000	596,000	0,993	993,333	3576,000
09-02-2008	03:27:46	27747412,000	580,000	0,967	966,667	3480,000
09-02-2008	03:37:46	27748000,000	588,000	0,980	980,000	3528,000
09-02-2008	03:47:46	27748584,000	584,000	0,973	973,333	3504,000
09-02-2008	03:57:46	27749176,000	592,000	0,987	986,667	3552,000
09-02-2008	04:07:46	27749780,000	604,000	1,007	1006,667	3624,000
09-02-2008	04:17:46	27750376,000	596,000	0,993	993,333	3576,000
09-02-2008	04:27:46	27750972,000	596,000	0,993	993,333	3576,000
09-02-2008	04:37:46	27751568,000	596,000	0,993	993,333	3576,000
09-02-2008	04:47:46	27752168,000	600,000	1,000	1000,000	3600,000
09-02-2008	04:57:46	27752780,000	612,000	1,020	1020,000	3672,000
09-02-2008	05:07:46	27753384,000	604,000	1,007	1006,667	3624,000
09-02-2008	05:17:46	27753992,000	608,000	1,013	1013,333	3648,000
09-02-2008	05:27:47	27754600,000	608,000	1,013	1013,333	3648,000
09-02-2008	05:37:47	27755212,000	612,000	1,020	1020,000	3672,000
09-02-2008	05:47:47	27755820,000	608,000	1,013	1013,333	3648,000
09-02-2008	05:57:47	27756444,000	624,000	1,040	1040,000	3744,000
09-02-2008	06:07:47	27757060,000	616,000	1,027	1026,667	3696,000
09-02-2008	06:17:47	27757676,000	616,000	1,027	1026,667	3696,000
09-02-2008	06:27:47	27758296,000	620,000	1,033	1033,333	3720,000
09-02-2008	06:37:47	27758928,000	632,000	1,053	1053,333	3792,000
09-02-2008	06:47:47	27759568,000	640,000	1,067	1066,667	3840,000
09-02-2008	06:57:47	27760200,000	632,000	1,053	1053,333	3792,000
09-02-2008	07:07:47	27760832,000	632,000	1,053	1053,333	3792,000
09-02-2008	07:17:47	27761468,000	636,000	1,060	1060,000	3816,000
09-02-2008	07:27:47	27762120,000	652,000	1,087	1086,667	3912,000
09-02-2008	07:37:47	27762760,000	640,000	1,067	1066,667	3840,000
09-02-2008	07:47:47	27763408,000	648,000	1,080	1080,000	3888,000
09-02-2008	07:57:47	27764060,000	652,000	1,087	1086,667	3912,000
09-02-2008	08:07:47	27764712,000	652,000	1,087	1086,667	3912,000

09-02-2008	08:17:47	27765364,000	652,000	1,087	1086,667	3912,000
09-02-2008	08:27:47	27766032,000	668,000	1,113	1113,333	4008,000
09-02-2008	08:37:47	27766680,000	648,000	1,080	1080,000	3888,000
09-02-2008	08:47:47	27767332,000	652,000	1,087	1086,667	3912,000
09-02-2008	08:57:47	27767980,000	648,000	1,080	1080,000	3888,000
09-02-2008	09:07:47	27768624,000	644,000	1,073	1073,333	3864,000
09-02-2008	09:17:47	27769276,000	652,000	1,087	1086,667	3912,000
09-02-2008	09:27:47	27769912,000	636,000	1,060	1060,000	3816,000
09-02-2008	09:37:47	27770548,000	636,000	1,060	1060,000	3816,000
09-02-2008	09:47:47	27771184,000	636,000	1,060	1060,000	3816,000
09-02-2008	09:57:47	27771812,000	628,000	1,047	1046,667	3768,000
09-02-2008	10:07:47	27772456,000	644,000	1,073	1073,333	3864,000
09-02-2008	10:17:47	27773076,000	620,000	1,033	1033,333	3720,000
09-02-2008	10:27:47	27773696,000	620,000	1,033	1033,333	3720,000
09-02-2008	10:37:47	27774316,000	620,000	1,033	1033,333	3720,000
09-02-2008	10:47:47	27774928,000	612,000	1,020	1020,000	3672,000
09-02-2008	10:57:47	27775556,000	628,000	1,047	1046,667	3768,000
09-02-2008	11:07:47	27776164,000	608,000	1,013	1013,333	3648,000
09-02-2008	11:17:47	27776768,000	604,000	1,007	1006,667	3624,000
09-02-2008	11:27:47	27777368,000	600,000	1,000	1000,000	3600,000
09-02-2008	11:37:47	27777968,000	600,000	1,000	1000,000	3600,000
09-02-2008	11:47:47	27778576,000	608,000	1,013	1013,333	3648,000
09-02-2008	11:57:47	27779168,000	592,000	0,987	986,667	3552,000
09-02-2008	12:07:47	27779756,000	588,000	0,980	980,000	3528,000
09-02-2008	12:17:47	27780340,000	584,000	0,973	973,333	3504,000
09-02-2008	12:27:47	27780920,000	580,000	0,967	966,667	3480,000
09-02-2008	12:37:47	27781496,000	576,000	0,960	960,000	3456,000
09-02-2008	12:47:47	27782080,000	584,000	0,973	973,333	3504,000
09-02-2008	12:57:48	27782648,000	568,000	0,947	946,667	3408,000
09-02-2008	13:07:48	27783216,000	568,000	0,947	946,667	3408,000
09-02-2008	13:17:48	27783780,000	564,000	0,940	940,000	3384,000
09-02-2008	13:27:48	27784364,000	584,000	0,973	973,333	3504,000
09-02-2008	13:37:48	27784932,000	568,000	0,947	946,667	3408,000
09-02-2008	13:47:48	27785504,000	572,000	0,953	953,333	3432,000
09-02-2008	13:57:48	27786080,000	576,000	0,960	960,000	3456,000
09-02-2008	14:07:48	27786656,000	576,000	0,960	960,000	3456,000
09-02-2008	14:17:48	27787244,000	588,000	0,980	980,000	3528,000
09-02-2008	14:27:48	27787824,000	580,000	0,967	966,667	3480,000
09-02-2008	14:37:48	27788408,000	584,000	0,973	973,333	3504,000
09-02-2008	14:47:48	27788992,000	584,000	0,973	973,333	3504,000
09-02-2008	14:57:48	27789580,000	588,000	0,980	980,000	3528,000
09-02-2008	15:07:48	27790184,000	604,000	1,007	1006,667	3624,000
09-02-2008	15:17:48	27790776,000	592,000	0,987	986,667	3552,000
09-02-2008	15:27:48	27791372,000	596,000	0,993	993,333	3576,000
09-02-2008	15:37:48	27791968,000	596,000	0,993	993,333	3576,000
09-02-2008	15:47:48	27792564,000	596,000	0,993	993,333	3576,000
09-02-2008	15:57:48	27793172,000	608,000	1,013	1013,333	3648,000
09-02-2008	16:07:48	27793776,000	604,000	1,007	1006,667	3624,000
09-02-2008	16:17:48	27794384,000	608,000	1,013	1013,333	3648,000
09-02-2008	16:27:48	27794988,000	604,000	1,007	1006,667	3624,000
09-02-2008	16:37:48	27795608,000	620,000	1,033	1033,333	3720,000
09-02-2008	16:47:48	27796216,000	608,000	1,013	1013,333	3648,000
09-02-2008	16:57:48	27796824,000	608,000	1,013	1013,333	3648,000
09-02-2008	17:07:48	27797440,000	616,000	1,027	1026,667	3696,000
09-02-2008	17:17:48	27798052,000	612,000	1,020	1020,000	3672,000

09-02-2008	17:27:48	27798684,000	632,000	1,053	1053,333	3792,000
09-02-2008	17:37:48	27799304,000	620,000	1,033	1033,333	3720,000
09-02-2008	17:47:48	27799920,000	616,000	1,027	1026,667	3696,000
09-02-2008	17:57:48	27800544,000	624,000	1,040	1040,000	3744,000
09-02-2008	18:07:48	27801164,000	620,000	1,033	1033,333	3720,000
09-02-2008	18:17:48	27801800,000	636,000	1,060	1060,000	3816,000
09-02-2008	18:27:48	27802424,000	624,000	1,040	1040,000	3744,000
09-02-2008	18:37:48	27803048,000	624,000	1,040	1040,000	3744,000
09-02-2008	18:47:48	27803668,000	620,000	1,033	1033,333	3720,000
09-02-2008	18:57:48	27804284,000	616,000	1,027	1026,667	3696,000
09-02-2008	19:07:48	27804904,000	620,000	1,033	1033,333	3720,000
09-02-2008	19:17:48	27805528,000	624,000	1,040	1040,000	3744,000
09-02-2008	19:27:48	27806136,000	608,000	1,013	1013,333	3648,000
09-02-2008	19:37:49	27806740,000	604,000	1,007	1006,667	3624,000
09-02-2008	19:47:49	27807344,000	604,000	1,007	1006,667	3624,000
09-02-2008	19:57:49	27807944,000	600,000	1,000	1000,000	3600,000
09-02-2008	20:07:49	27808560,000	616,000	1,027	1026,667	3696,000
09-02-2008	20:17:49	27809152,000	592,000	0,987	986,667	3552,000
09-02-2008	20:27:49	27809748,000	596,000	0,993	993,333	3576,000
09-02-2008	20:37:49	27810336,000	588,000	0,980	980,000	3528,000
09-02-2008	20:47:49	27810924,000	588,000	0,980	980,000	3528,000
09-02-2008	20:57:49	27811524,000	600,000	1,000	1000,000	3600,000
09-02-2008	21:07:49	27812108,000	584,000	0,973	973,333	3504,000
09-02-2008	21:17:49	27812684,000	576,000	0,960	960,000	3456,000
09-02-2008	21:27:49	27813264,000	580,000	0,967	966,667	3480,000
09-02-2008	21:37:49	27813836,000	572,000	0,953	953,333	3432,000
09-02-2008	21:47:49	27814420,000	584,000	0,973	973,333	3504,000
09-02-2008	21:57:49	27814992,000	572,000	0,953	953,333	3432,000
09-02-2008	22:07:49	27815560,000	568,000	0,947	946,667	3408,000
09-02-2008	22:17:49	27816124,000	564,000	0,940	940,000	3384,000
09-02-2008	22:27:49	27816684,000	560,000	0,933	933,333	3360,000
09-02-2008	22:37:49	27817252,000	568,000	0,947	946,667	3408,000
09-02-2008	22:47:49	27817804,000	552,000	0,920	920,000	3312,000
09-02-2008	22:57:49	27818352,000	548,000	0,913	913,333	3288,000
09-02-2008	23:07:49	27818896,000	544,000	0,907	906,667	3264,000
09-02-2008	23:17:49	27819440,000	544,000	0,907	906,667	3264,000
09-02-2008	23:27:49	27819976,000	536,000	0,893	893,333	3216,000
09-02-2008	23:37:49	27820524,000	548,000	0,913	913,333	3288,000
09-02-2008	23:47:49	27821060,000	536,000	0,893	893,333	3216,000
09-02-2008	23:57:49	27821600,000	540,000	0,900	900,000	3240,000
10-02-2008	00:00:26	27821740,000	140,000	0,892	891,720	3210,191

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:26	27821740,000				
10-02-2008	00:07:49	27822136,000	396,000	0,894	893,905	3218,059
10-02-2008	00:17:49	27822676,000	540,000	0,900	900,000	3240,000
10-02-2008	00:27:49	27823228,000	552,000	0,920	920,000	3312,000
10-02-2008	00:37:49	27823772,000	544,000	0,907	906,667	3264,000
10-02-2008	00:47:49	27824312,000	540,000	0,900	900,000	3240,000
10-02-2008	00:57:49	27824856,000	544,000	0,907	906,667	3264,000
10-02-2008	01:07:50	27825404,000	548,000	0,913	913,333	3288,000
10-02-2008	01:17:50	27825964,000	560,000	0,933	933,333	3360,000
10-02-2008	01:27:50	27826512,000	548,000	0,913	913,333	3288,000
10-02-2008	01:37:50	27827060,000	548,000	0,913	913,333	3288,000
10-02-2008	01:47:50	27827612,000	552,000	0,920	920,000	3312,000
10-02-2008	01:57:50	27828164,000	552,000	0,920	920,000	3312,000
10-02-2008	02:07:50	27828724,000	560,000	0,933	933,333	3360,000
10-02-2008	02:17:50	27829280,000	556,000	0,927	926,667	3336,000
10-02-2008	02:27:50	27829836,000	556,000	0,927	926,667	3336,000
10-02-2008	02:37:50	27830404,000	568,000	0,947	946,667	3408,000
10-02-2008	02:47:50	27830972,000	568,000	0,947	946,667	3408,000
10-02-2008	02:57:50	27831540,000	568,000	0,947	946,667	3408,000
10-02-2008	03:07:50	27832120,000	580,000	0,967	966,667	3480,000
10-02-2008	03:17:51	27832700,000	580,000	0,967	966,667	3480,000
10-02-2008	03:27:51	27833276,000	576,000	0,960	960,000	3456,000
10-02-2008	03:37:51	27833860,000	584,000	0,973	973,333	3504,000
10-02-2008	03:47:51	27834460,000	600,000	1,000	1000,000	3600,000
10-02-2008	03:57:51	27835052,000	592,000	0,987	986,667	3552,000
10-02-2008	04:07:51	27835640,000	588,000	0,980	980,000	3528,000
10-02-2008	04:17:51	27836236,000	596,000	0,993	993,333	3576,000
10-02-2008	04:27:51	27836832,000	596,000	0,993	993,333	3576,000
10-02-2008	04:37:51	27837448,000	616,000	1,027	1026,667	3696,000
10-02-2008	04:47:51	27838052,000	604,000	1,007	1006,667	3624,000
10-02-2008	04:57:51	27838660,000	608,000	1,013	1013,333	3648,000
10-02-2008	05:07:51	27839268,000	608,000	1,013	1013,333	3648,000
10-02-2008	05:17:51	27839880,000	612,000	1,020	1020,000	3672,000
10-02-2008	05:27:51	27840492,000	612,000	1,020	1020,000	3672,000
10-02-2008	05:37:52	27841124,000	632,000	1,053	1053,333	3792,000
10-02-2008	05:47:52	27841744,000	620,000	1,033	1033,333	3720,000
10-02-2008	05:57:52	27842368,000	624,000	1,040	1040,000	3744,000
10-02-2008	06:07:52	27842992,000	624,000	1,040	1040,000	3744,000
10-02-2008	06:17:52	27843620,000	628,000	1,047	1046,667	3768,000
10-02-2008	06:27:52	27844260,000	640,000	1,067	1066,667	3840,000
10-02-2008	06:37:52	27844892,000	632,000	1,053	1053,333	3792,000
10-02-2008	06:47:52	27845528,000	636,000	1,060	1060,000	3816,000
10-02-2008	06:57:52	27846168,000	640,000	1,067	1066,667	3840,000
10-02-2008	07:07:52	27846808,000	640,000	1,067	1066,667	3840,000
10-02-2008	07:17:52	27847456,000	648,000	1,080	1080,000	3888,000
10-02-2008	07:27:52	27848092,000	636,000	1,060	1060,000	3816,000
10-02-2008	07:37:52	27848724,000	632,000	1,053	1053,333	3792,000
10-02-2008	07:47:52	27849360,000	636,000	1,060	1060,000	3816,000
10-02-2008	07:57:52	27849992,000	632,000	1,053	1053,333	3792,000
10-02-2008	08:07:52	27850644,000	652,000	1,087	1086,667	3912,000
10-02-2008	08:17:52	27851276,000	632,000	1,053	1053,333	3792,000

10-02-2008	08:27:52	27851908,000	632,000	1,053	1053,333	3792,000
10-02-2008	08:37:52	27852536,000	628,000	1,047	1046,667	3768,000
10-02-2008	08:47:52	27853168,000	632,000	1,053	1053,333	3792,000
10-02-2008	08:57:52	27853816,000	648,000	1,080	1080,000	3888,000
10-02-2008	09:07:52	27854448,000	632,000	1,053	1053,333	3792,000
10-02-2008	09:17:52	27855076,000	628,000	1,047	1046,667	3768,000
10-02-2008	09:27:52	27855704,000	628,000	1,047	1046,667	3768,000
10-02-2008	09:37:52	27856332,000	628,000	1,047	1046,667	3768,000
10-02-2008	09:47:52	27856956,000	624,000	1,040	1040,000	3744,000
10-02-2008	09:57:52	27857592,000	636,000	1,060	1060,000	3816,000
10-02-2008	10:07:52	27858208,000	616,000	1,027	1026,667	3696,000
10-02-2008	10:17:52	27858824,000	616,000	1,027	1026,667	3696,000
10-02-2008	10:27:53	27859436,000	612,000	1,020	1020,000	3672,000
10-02-2008	10:37:53	27860044,000	608,000	1,013	1013,333	3648,000
10-02-2008	10:47:53	27860664,000	620,000	1,033	1033,333	3720,000
10-02-2008	10:57:53	27861268,000	604,000	1,007	1006,667	3624,000
10-02-2008	11:07:53	27861872,000	604,000	1,007	1006,667	3624,000
10-02-2008	11:17:53	27862472,000	600,000	1,000	1000,000	3600,000
10-02-2008	11:27:53	27863068,000	596,000	0,993	993,333	3576,000
10-02-2008	11:37:53	27863672,000	604,000	1,007	1006,667	3624,000
10-02-2008	11:47:53	27864260,000	588,000	0,980	980,000	3528,000
10-02-2008	11:57:53	27864848,000	588,000	0,980	980,000	3528,000
10-02-2008	12:07:53	27865432,000	584,000	0,973	973,333	3504,000
10-02-2008	12:17:53	27866012,000	580,000	0,967	966,667	3480,000
10-02-2008	12:27:53	27866608,000	596,000	0,993	993,333	3576,000
10-02-2008	12:37:53	27867184,000	576,000	0,960	960,000	3456,000
10-02-2008	12:47:53	27867756,000	572,000	0,953	953,333	3432,000
10-02-2008	12:57:53	27868328,000	572,000	0,953	953,333	3432,000
10-02-2008	13:07:53	27868896,000	568,000	0,947	946,667	3408,000
10-02-2008	13:17:53	27869472,000	576,000	0,960	960,000	3456,000
10-02-2008	13:27:53	27870036,000	564,000	0,940	940,000	3384,000
10-02-2008	13:37:53	27870600,000	564,000	0,940	940,000	3384,000
10-02-2008	13:47:53	27871164,000	564,000	0,940	940,000	3384,000
10-02-2008	13:57:53	27871728,000	564,000	0,940	940,000	3384,000
10-02-2008	14:07:53	27872296,000	568,000	0,947	946,667	3408,000
10-02-2008	14:17:53	27872856,000	560,000	0,933	933,333	3360,000
10-02-2008	14:27:53	27873416,000	560,000	0,933	933,333	3360,000
10-02-2008	14:37:53	27873976,000	560,000	0,933	933,333	3360,000
10-02-2008	14:47:53	27874540,000	564,000	0,940	940,000	3384,000
10-02-2008	14:57:53	27875112,000	572,000	0,953	953,333	3432,000
10-02-2008	15:07:53	27875672,000	560,000	0,933	933,333	3360,000
10-02-2008	15:17:53	27876232,000	560,000	0,933	933,333	3360,000
10-02-2008	15:27:54	27876792,000	560,000	0,933	933,333	3360,000
10-02-2008	15:37:54	27877360,000	568,000	0,947	946,667	3408,000
10-02-2008	15:47:54	27877920,000	560,000	0,933	933,333	3360,000
10-02-2008	15:57:54	27878480,000	560,000	0,933	933,333	3360,000
10-02-2008	16:07:54	27879040,000	560,000	0,933	933,333	3360,000
10-02-2008	16:17:54	27879596,000	556,000	0,927	926,667	3336,000
10-02-2008	16:27:54	27880172,000	576,000	0,960	960,000	3456,000
10-02-2008	16:37:54	27880732,000	560,000	0,933	933,333	3360,000
10-02-2008	16:47:54	27881292,000	560,000	0,933	933,333	3360,000
10-02-2008	16:57:54	27881852,000	560,000	0,933	933,333	3360,000
10-02-2008	17:07:54	27882408,000	556,000	0,927	926,667	3336,000
10-02-2008	17:17:54	27882976,000	568,000	0,947	946,667	3408,000
10-02-2008	17:27:54	27883536,000	560,000	0,933	933,333	3360,000

10-02-2008	17:37:54	27884092,000	556,000	0,927	926,667	3336,000
10-02-2008	17:47:54	27884652,000	560,000	0,933	933,333	3360,000
10-02-2008	17:57:54	27885208,000	556,000	0,927	926,667	3336,000
10-02-2008	18:07:54	27885780,000	572,000	0,953	953,333	3432,000
10-02-2008	18:17:54	27886336,000	556,000	0,927	926,667	3336,000
10-02-2008	18:27:54	27886896,000	560,000	0,933	933,333	3360,000
10-02-2008	18:37:54	27887452,000	556,000	0,927	926,667	3336,000
10-02-2008	18:47:54	27888012,000	560,000	0,933	933,333	3360,000
10-02-2008	18:57:54	27888580,000	568,000	0,947	946,667	3408,000
10-02-2008	19:07:54	27889140,000	560,000	0,933	933,333	3360,000
10-02-2008	19:17:54	27889696,000	556,000	0,927	926,667	3336,000
10-02-2008	19:27:54	27890252,000	556,000	0,927	926,667	3336,000
10-02-2008	19:37:54	27890808,000	556,000	0,927	926,667	3336,000
10-02-2008	19:47:54	27891376,000	568,000	0,947	946,667	3408,000
10-02-2008	19:57:54	27891932,000	556,000	0,927	926,667	3336,000
10-02-2008	20:07:54	27892496,000	564,000	0,940	940,000	3384,000
10-02-2008	20:17:54	27893052,000	556,000	0,927	926,667	3336,000
10-02-2008	20:27:54	27893608,000	556,000	0,927	926,667	3336,000
10-02-2008	20:37:54	27894176,000	568,000	0,947	946,667	3408,000
10-02-2008	20:47:54	27894732,000	556,000	0,927	926,667	3336,000
10-02-2008	20:57:54	27895288,000	556,000	0,927	926,667	3336,000
10-02-2008	21:07:54	27895848,000	560,000	0,933	933,333	3360,000
10-02-2008	21:17:54	27896404,000	556,000	0,927	926,667	3336,000
10-02-2008	21:27:54	27896976,000	572,000	0,953	953,333	3432,000
10-02-2008	21:37:54	27897532,000	556,000	0,927	926,667	3336,000
10-02-2008	21:47:54	27898084,000	552,000	0,920	920,000	3312,000
10-02-2008	21:57:55	27898636,000	552,000	0,920	920,000	3312,000
10-02-2008	22:07:55	27899188,000	552,000	0,920	920,000	3312,000
10-02-2008	22:17:55	27899736,000	548,000	0,913	913,333	3288,000
10-02-2008	22:27:55	27900296,000	560,000	0,933	933,333	3360,000
10-02-2008	22:37:55	27900844,000	548,000	0,913	913,333	3288,000
10-02-2008	22:47:55	27901388,000	544,000	0,907	906,667	3264,000
10-02-2008	22:57:55	27901932,000	544,000	0,907	906,667	3264,000
10-02-2008	23:07:55	27902476,000	544,000	0,907	906,667	3264,000
10-02-2008	23:17:55	27903028,000	552,000	0,920	920,000	3312,000
10-02-2008	23:27:55	27903576,000	548,000	0,913	913,333	3288,000
10-02-2008	23:37:55	27904120,000	544,000	0,907	906,667	3264,000
10-02-2008	23:47:55	27904664,000	544,000	0,907	906,667	3264,000
10-02-2008	23:57:55	27905208,000	544,000	0,907	906,667	3264,000
11-02-2008	00:00:13	27905336,000	128,000	0,928	927,536	3339,130

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	27905336,000				
11-02-2008	00:07:55	27905760,000	424,000	0,918	917,749	3303,896
11-02-2008	00:17:55	27906308,000	548,000	0,913	913,333	3288,000
11-02-2008	00:27:55	27906856,000	548,000	0,913	913,333	3288,000
11-02-2008	00:37:55	27907404,000	548,000	0,913	913,333	3288,000
11-02-2008	00:47:55	27907956,000	552,000	0,920	920,000	3312,000
11-02-2008	00:57:55	27908520,000	564,000	0,940	940,000	3384,000
11-02-2008	01:07:55	27909068,000	548,000	0,913	913,333	3288,000
11-02-2008	01:17:55	27909620,000	552,000	0,920	920,000	3312,000
11-02-2008	01:27:55	27910172,000	552,000	0,920	920,000	3312,000
11-02-2008	01:37:55	27910724,000	552,000	0,920	920,000	3312,000
11-02-2008	01:47:55	27911288,000	564,000	0,940	940,000	3384,000
11-02-2008	01:57:55	27911848,000	560,000	0,933	933,333	3360,000
11-02-2008	02:07:55	27912404,000	556,000	0,927	926,667	3336,000
11-02-2008	02:17:55	27912964,000	560,000	0,933	933,333	3360,000
11-02-2008	02:27:56	27913528,000	564,000	0,940	940,000	3384,000
11-02-2008	02:37:56	27914104,000	576,000	0,960	960,000	3456,000
11-02-2008	02:47:56	27914676,000	572,000	0,953	953,333	3432,000
11-02-2008	02:57:56	27915248,000	572,000	0,953	953,333	3432,000
11-02-2008	03:07:56	27915828,000	580,000	0,967	966,667	3480,000
11-02-2008	03:17:56	27916408,000	580,000	0,967	966,667	3480,000
11-02-2008	03:27:56	27917000,000	592,000	0,987	986,667	3552,000
11-02-2008	03:37:56	27917580,000	580,000	0,967	966,667	3480,000
11-02-2008	03:47:56	27918164,000	584,000	0,973	973,333	3504,000
11-02-2008	03:57:56	27918752,000	588,000	0,980	980,000	3528,000
11-02-2008	04:07:56	27919344,000	592,000	0,987	986,667	3552,000
11-02-2008	04:17:56	27919948,000	604,000	1,007	1006,667	3624,000
11-02-2008	04:27:56	27920544,000	596,000	0,993	993,333	3576,000
11-02-2008	04:37:56	27921140,000	596,000	0,993	993,333	3576,000
11-02-2008	04:47:56	27921740,000	600,000	1,000	1000,000	3600,000
11-02-2008	04:57:56	27922340,000	600,000	1,000	1000,000	3600,000
11-02-2008	05:07:56	27922956,000	616,000	1,027	1026,667	3696,000
11-02-2008	05:17:56	27923560,000	604,000	1,007	1006,667	3624,000
11-02-2008	05:27:56	27924168,000	608,000	1,013	1013,333	3648,000
11-02-2008	05:37:56	27924780,000	612,000	1,020	1020,000	3672,000
11-02-2008	05:47:56	27925392,000	612,000	1,020	1020,000	3672,000
11-02-2008	05:57:56	27926024,000	632,000	1,053	1053,333	3792,000
11-02-2008	06:07:56	27926640,000	616,000	1,027	1026,667	3696,000
11-02-2008	06:17:56	27927260,000	620,000	1,033	1033,333	3720,000
11-02-2008	06:27:56	27927884,000	624,000	1,040	1040,000	3744,000
11-02-2008	06:37:56	27928504,000	620,000	1,033	1033,333	3720,000
11-02-2008	06:47:56	27929144,000	640,000	1,067	1066,667	3840,000
11-02-2008	06:57:56	27929768,000	624,000	1,040	1040,000	3744,000
11-02-2008	07:07:56	27930400,000	632,000	1,053	1053,333	3792,000
11-02-2008	07:17:56	27931032,000	632,000	1,053	1053,333	3792,000
11-02-2008	07:27:56	27931684,000	652,000	1,087	1086,667	3912,000
11-02-2008	07:37:57	27932320,000	636,000	1,060	1060,000	3816,000
11-02-2008	07:47:57	27932960,000	640,000	1,067	1066,667	3840,000
11-02-2008	07:57:57	27933600,000	640,000	1,067	1066,667	3840,000
11-02-2008	08:07:57	27934244,000	644,000	1,073	1073,333	3864,000
11-02-2008	08:17:57	27934900,000	656,000	1,093	1093,333	3936,000

11-02-2008	08:27:57	27935540,000	640,000	1,067	1066,667	3840,000
11-02-2008	08:37:57	27936184,000	644,000	1,073	1073,333	3864,000
11-02-2008	08:47:57	27936832,000	648,000	1,080	1080,000	3888,000
11-02-2008	08:57:57	27937480,000	648,000	1,080	1080,000	3888,000
11-02-2008	09:07:57	27938132,000	652,000	1,087	1086,667	3912,000
11-02-2008	09:17:57	27938772,000	640,000	1,067	1066,667	3840,000
11-02-2008	09:27:57	27939416,000	644,000	1,073	1073,333	3864,000
11-02-2008	09:37:57	27940052,000	636,000	1,060	1060,000	3816,000
11-02-2008	09:47:57	27940704,000	652,000	1,087	1086,667	3912,000
11-02-2008	09:57:57	27941332,000	628,000	1,047	1046,667	3768,000
11-02-2008	10:07:57	27941960,000	628,000	1,047	1046,667	3768,000
11-02-2008	10:17:57	27942580,000	620,000	1,033	1033,333	3720,000
11-02-2008	10:27:57	27943196,000	616,000	1,027	1026,667	3696,000
11-02-2008	10:37:57	27943808,000	612,000	1,020	1020,000	3672,000
11-02-2008	10:47:57	27944432,000	624,000	1,040	1040,000	3744,000
11-02-2008	10:57:57	27945036,000	604,000	1,007	1006,667	3624,000
11-02-2008	11:07:57	27945644,000	608,000	1,013	1013,333	3648,000
11-02-2008	11:17:57	27946244,000	600,000	1,000	1000,000	3600,000
11-02-2008	11:27:57	27946856,000	612,000	1,020	1020,000	3672,000
11-02-2008	11:37:57	27947448,000	592,000	0,987	986,667	3552,000
11-02-2008	11:47:57	27948036,000	588,000	0,980	980,000	3528,000
11-02-2008	11:57:57	27948620,000	584,000	0,973	973,333	3504,000
11-02-2008	12:07:57	27949200,000	580,000	0,967	966,667	3480,000
11-02-2008	12:17:57	27949788,000	588,000	0,980	980,000	3528,000
11-02-2008	12:27:57	27950368,000	580,000	0,967	966,667	3480,000
11-02-2008	12:37:57	27950944,000	576,000	0,960	960,000	3456,000
11-02-2008	12:47:57	27951524,000	580,000	0,967	966,667	3480,000
11-02-2008	12:57:57	27952100,000	576,000	0,960	960,000	3456,000
11-02-2008	13:07:57	27952692,000	592,000	0,987	986,667	3552,000
11-02-2008	13:17:57	27953272,000	580,000	0,967	966,667	3480,000
11-02-2008	13:27:57	27953848,000	576,000	0,960	960,000	3456,000
11-02-2008	13:37:57	27954428,000	580,000	0,967	966,667	3480,000
11-02-2008	13:47:57	27955008,000	580,000	0,967	966,667	3480,000
11-02-2008	13:57:57	27955604,000	596,000	0,993	993,333	3576,000
11-02-2008	14:07:58	27956276,000	672,000	1,120	1120,000	4032,000
11-02-2008	14:17:58	27956948,000	672,000	1,120	1120,000	4032,000
11-02-2008	14:27:58	27957628,000	680,000	1,133	1133,333	4080,000
11-02-2008	14:37:58	27958300,000	672,000	1,120	1120,000	4032,000
11-02-2008	14:47:58	27958992,000	692,000	1,153	1153,333	4152,000
11-02-2008	14:57:58	27959672,000	680,000	1,133	1133,333	4080,000
11-02-2008	15:07:58	27960352,000	680,000	1,133	1133,333	4080,000
11-02-2008	15:17:58	27961032,000	680,000	1,133	1133,333	4080,000
11-02-2008	15:27:58	27961732,000	700,000	1,167	1166,667	4200,000
11-02-2008	15:37:58	27962412,000	680,000	1,133	1133,333	4080,000
11-02-2008	15:47:58	27963100,000	688,000	1,147	1146,667	4128,000
11-02-2008	15:57:58	27963784,000	684,000	1,140	1140,000	4104,000
11-02-2008	16:07:58	27964472,000	688,000	1,147	1146,667	4128,000
11-02-2008	16:17:58	27965172,000	700,000	1,167	1166,667	4200,000
11-02-2008	16:27:58	27965860,000	688,000	1,147	1146,667	4128,000
11-02-2008	16:37:58	27966552,000	692,000	1,153	1153,333	4152,000
11-02-2008	16:47:58	27967244,000	692,000	1,153	1153,333	4152,000
11-02-2008	16:57:58	27967936,000	692,000	1,153	1153,333	4152,000
11-02-2008	17:07:58	27968652,000	716,000	1,193	1193,333	4296,000
11-02-2008	17:17:58	27969348,000	696,000	1,160	1160,000	4176,000
11-02-2008	17:27:58	27970048,000	700,000	1,167	1166,667	4200,000

11-02-2008	17:37:58	27970748,000	700,000	1,167	1166,667	4200,000
11-02-2008	17:47:58	27971456,000	708,000	1,180	1180,000	4248,000
11-02-2008	17:57:58	27972172,000	716,000	1,193	1193,333	4296,000
11-02-2008	18:07:58	27972884,000	712,000	1,187	1186,667	4272,000
11-02-2008	18:17:58	27973600,000	716,000	1,193	1193,333	4296,000
11-02-2008	18:27:58	27974312,000	712,000	1,187	1186,667	4272,000
11-02-2008	18:37:58	27975020,000	708,000	1,180	1180,000	4248,000
11-02-2008	18:50:08	27975888,000	868,000	1,189	1189,041	4280,548
11-02-2008	19:00:08	27976584,000	696,000	1,160	1160,000	4176,000
11-02-2008	19:10:08	27977280,000	696,000	1,160	1160,000	4176,000
11-02-2008	19:20:08	27977964,000	684,000	1,140	1140,000	4104,000
11-02-2008	19:30:08	27978648,000	684,000	1,140	1140,000	4104,000
11-02-2008	19:40:35	27979372,000	724,000	1,207	1206,667	4344,000
11-02-2008	19:51:37	27980108,000	736,000	1,112	1111,782	4002,417
11-02-2008	20:01:37	27980776,000	668,000	1,113	1113,333	4008,000
11-02-2008	20:11:37	27981448,000	672,000	1,120	1120,000	4032,000
11-02-2008	20:21:37	27982104,000	656,000	1,093	1093,333	3936,000
11-02-2008	20:31:37	27982756,000	652,000	1,087	1086,667	3912,000
11-02-2008	20:41:37	27983400,000	644,000	1,073	1073,333	3864,000
11-02-2008	20:51:37	27984044,000	644,000	1,073	1073,333	3864,000
11-02-2008	21:01:37	27984696,000	652,000	1,087	1086,667	3912,000
11-02-2008	21:11:37	27985324,000	628,000	1,047	1046,667	3768,000
11-02-2008	21:21:37	27985952,000	628,000	1,047	1046,667	3768,000
11-02-2008	21:31:38	27986572,000	620,000	1,033	1033,333	3720,000
11-02-2008	21:41:38	27987188,000	616,000	1,027	1026,667	3696,000
11-02-2008	21:51:38	27987816,000	628,000	1,047	1046,667	3768,000
11-02-2008	22:01:38	27988428,000	612,000	1,020	1020,000	3672,000
11-02-2008	22:11:38	27989040,000	612,000	1,020	1020,000	3672,000
11-02-2008	22:21:38	27989648,000	608,000	1,013	1013,333	3648,000
11-02-2008	22:31:38	27990256,000	608,000	1,013	1013,333	3648,000
11-02-2008	22:41:38	27990876,000	620,000	1,033	1033,333	3720,000
11-02-2008	22:51:38	27991480,000	604,000	1,007	1006,667	3624,000
11-02-2008	23:01:38	27992088,000	608,000	1,013	1013,333	3648,000
11-02-2008	23:11:38	27992696,000	608,000	1,013	1013,333	3648,000
11-02-2008	23:21:38	27993308,000	612,000	1,020	1020,000	3672,000
11-02-2008	23:31:38	27993932,000	624,000	1,040	1040,000	3744,000
11-02-2008	23:41:38	27994544,000	612,000	1,020	1020,000	3672,000
11-02-2008	23:51:38	27995152,000	608,000	1,013	1013,333	3648,000
12-02-2008	00:00:04	27995668,000	516,000	1,020	1019,763	3671,146

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	27995668,000				
12-02-2008	00:01:38	27995768,000	100,000	1,064	1063,830	3829,787
12-02-2008	00:11:38	27996384,000	616,000	1,027	1026,667	3696,000
12-02-2008	00:21:38	27997016,000	632,000	1,053	1053,333	3792,000
12-02-2008	00:31:38	27997644,000	628,000	1,047	1046,667	3768,000
12-02-2008	00:41:38	27998272,000	628,000	1,047	1046,667	3768,000
12-02-2008	00:51:38	27998904,000	632,000	1,053	1053,333	3792,000
12-02-2008	01:01:38	27999540,000	636,000	1,060	1060,000	3816,000
12-02-2008	01:11:38	28000188,000	648,000	1,080	1080,000	3888,000
12-02-2008	01:21:38	28000828,000	640,000	1,067	1066,667	3840,000
12-02-2008	01:31:38	28001472,000	644,000	1,073	1073,333	3864,000
12-02-2008	01:41:38	28002124,000	652,000	1,087	1086,667	3912,000
12-02-2008	01:51:38	28002776,000	652,000	1,087	1086,667	3912,000
12-02-2008	02:01:38	28003428,000	652,000	1,087	1086,667	3912,000
12-02-2008	02:11:38	28004096,000	668,000	1,113	1113,333	4008,000
12-02-2008	02:21:38	28004760,000	664,000	1,107	1106,667	3984,000
12-02-2008	02:31:39	28005424,000	664,000	1,107	1106,667	3984,000
12-02-2008	02:41:39	28006088,000	664,000	1,107	1106,667	3984,000
12-02-2008	02:51:39	28006764,000	676,000	1,127	1126,667	4056,000
12-02-2008	03:01:39	28007448,000	684,000	1,140	1140,000	4104,000
12-02-2008	03:11:39	28008124,000	676,000	1,127	1126,667	4056,000
12-02-2008	03:21:39	28008804,000	680,000	1,133	1133,333	4080,000
12-02-2008	03:31:39	28009484,000	680,000	1,133	1133,333	4080,000
12-02-2008	03:41:39	28010168,000	684,000	1,140	1140,000	4104,000
12-02-2008	03:51:39	28010856,000	688,000	1,147	1146,667	4128,000
12-02-2008	04:01:39	28011564,000	708,000	1,180	1180,000	4248,000
12-02-2008	04:11:39	28012256,000	692,000	1,153	1153,333	4152,000
12-02-2008	04:21:39	28012952,000	696,000	1,160	1160,000	4176,000
12-02-2008	04:31:39	28013648,000	696,000	1,160	1160,000	4176,000
12-02-2008	04:41:39	28014348,000	700,000	1,167	1166,667	4200,000
12-02-2008	04:51:39	28015068,000	720,000	1,200	1200,000	4320,000
12-02-2008	05:01:39	28015772,000	704,000	1,173	1173,333	4224,000
12-02-2008	05:11:39	28016480,000	708,000	1,180	1180,000	4248,000
12-02-2008	05:21:39	28017188,000	708,000	1,180	1180,000	4248,000
12-02-2008	05:31:39	28017900,000	712,000	1,187	1186,667	4272,000
12-02-2008	05:41:40	28018628,000	728,000	1,213	1213,333	4368,000
12-02-2008	05:51:40	28019344,000	716,000	1,193	1193,333	4296,000
12-02-2008	06:01:40	28020060,000	716,000	1,193	1193,333	4296,000
12-02-2008	06:11:40	28020780,000	720,000	1,200	1200,000	4320,000
12-02-2008	06:21:40	28021496,000	716,000	1,193	1193,333	4296,000
12-02-2008	06:31:40	28022228,000	732,000	1,220	1220,000	4392,000
12-02-2008	06:41:40	28022948,000	720,000	1,200	1200,000	4320,000
12-02-2008	06:51:40	28023676,000	728,000	1,213	1213,333	4368,000
12-02-2008	07:01:40	28024400,000	724,000	1,207	1206,667	4344,000
12-02-2008	07:11:40	28025124,000	724,000	1,207	1206,667	4344,000
12-02-2008	07:21:40	28025864,000	740,000	1,233	1233,333	4440,000
12-02-2008	07:31:40	28026592,000	728,000	1,213	1213,333	4368,000
12-02-2008	07:41:40	28027316,000	724,000	1,207	1206,667	4344,000
12-02-2008	07:51:40	28028048,000	732,000	1,220	1220,000	4392,000
12-02-2008	08:01:40	28028784,000	736,000	1,227	1226,667	4416,000
12-02-2008	08:11:40	28029528,000	744,000	1,240	1240,000	4464,000

12-02-2008	08:21:40	28030264,000	736,000	1,227	1226,667	4416,000
12-02-2008	08:31:40	28030996,000	732,000	1,220	1220,000	4392,000
12-02-2008	08:41:40	28031728,000	732,000	1,220	1220,000	4392,000
12-02-2008	08:51:40	28032460,000	732,000	1,220	1220,000	4392,000
12-02-2008	09:01:40	28033208,000	748,000	1,247	1246,667	4488,000
12-02-2008	09:11:40	28033940,000	732,000	1,220	1220,000	4392,000
12-02-2008	09:21:40	28034668,000	728,000	1,213	1213,333	4368,000
12-02-2008	09:31:40	28035396,000	728,000	1,213	1213,333	4368,000
12-02-2008	09:41:40	28036120,000	724,000	1,207	1206,667	4344,000
12-02-2008	09:51:40	28036848,000	728,000	1,213	1213,333	4368,000
12-02-2008	10:01:40	28037560,000	712,000	1,187	1186,667	4272,000
12-02-2008	10:11:40	28038264,000	704,000	1,173	1173,333	4224,000
12-02-2008	10:21:40	28038964,000	700,000	1,167	1166,667	4200,000
12-02-2008	10:31:40	28039660,000	696,000	1,160	1160,000	4176,000
12-02-2008	10:41:40	28040364,000	704,000	1,173	1173,333	4224,000
12-02-2008	10:51:40	28041048,000	684,000	1,140	1140,000	4104,000
12-02-2008	11:01:40	28041724,000	676,000	1,127	1126,667	4056,000
12-02-2008	11:11:40	28042396,000	672,000	1,120	1120,000	4032,000
12-02-2008	11:21:40	28043064,000	668,000	1,113	1113,333	4008,000
12-02-2008	11:31:40	28043736,000	672,000	1,120	1120,000	4032,000
12-02-2008	11:41:41	28044388,000	652,000	1,087	1086,667	3912,000
12-02-2008	11:51:41	28045040,000	652,000	1,087	1086,667	3912,000
12-02-2008	12:01:41	28045684,000	644,000	1,073	1073,333	3864,000
12-02-2008	12:11:41	28046320,000	636,000	1,060	1060,000	3816,000
12-02-2008	12:21:41	28046956,000	636,000	1,060	1060,000	3816,000
12-02-2008	12:31:41	28047576,000	620,000	1,033	1033,333	3720,000
12-02-2008	12:41:41	28048192,000	616,000	1,027	1026,667	3696,000
12-02-2008	12:51:41	28048804,000	612,000	1,020	1020,000	3672,000
12-02-2008	13:01:41	28049428,000	624,000	1,040	1040,000	3744,000
12-02-2008	13:11:41	28050036,000	608,000	1,013	1013,333	3648,000
12-02-2008	13:21:41	28050644,000	608,000	1,013	1013,333	3648,000
12-02-2008	13:31:41	28051252,000	608,000	1,013	1013,333	3648,000
12-02-2008	13:41:41	28051860,000	608,000	1,013	1013,333	3648,000
12-02-2008	13:51:41	28052480,000	620,000	1,033	1033,333	3720,000
12-02-2008	14:01:41	28053096,000	616,000	1,027	1026,667	3696,000
12-02-2008	14:11:41	28053712,000	616,000	1,027	1026,667	3696,000
12-02-2008	14:21:41	28054336,000	624,000	1,040	1040,000	3744,000
12-02-2008	14:31:41	28054960,000	624,000	1,040	1040,000	3744,000
12-02-2008	14:41:41	28055608,000	648,000	1,080	1080,000	3888,000
12-02-2008	14:51:41	28056244,000	636,000	1,060	1060,000	3816,000
12-02-2008	15:01:41	28056880,000	636,000	1,060	1060,000	3816,000
12-02-2008	15:11:41	28057524,000	644,000	1,073	1073,333	3864,000
12-02-2008	15:21:41	28058168,000	644,000	1,073	1073,333	3864,000
12-02-2008	15:31:41	28058832,000	664,000	1,107	1106,667	3984,000
12-02-2008	15:41:41	28059484,000	652,000	1,087	1086,667	3912,000
12-02-2008	15:51:41	28060144,000	660,000	1,100	1100,000	3960,000
12-02-2008	16:01:41	28060804,000	660,000	1,100	1100,000	3960,000
12-02-2008	16:11:41	28061472,000	668,000	1,113	1113,333	4008,000
12-02-2008	16:21:41	28062156,000	684,000	1,140	1140,000	4104,000
12-02-2008	16:31:41	28062828,000	672,000	1,120	1120,000	4032,000
12-02-2008	16:41:41	28063504,000	676,000	1,127	1126,667	4056,000
12-02-2008	16:51:42	28064180,000	676,000	1,127	1126,667	4056,000
12-02-2008	17:01:42	28064868,000	688,000	1,147	1146,667	4128,000
12-02-2008	17:11:42	28065552,000	684,000	1,140	1140,000	4104,000
12-02-2008	17:21:42	28066232,000	680,000	1,133	1133,333	4080,000

12-02-2008	17:31:42	28066920,000	688,000	1,147	1146,667	4128,000
12-02-2008	17:41:42	28067608,000	688,000	1,147	1146,667	4128,000
12-02-2008	17:51:42	28068316,000	708,000	1,180	1180,000	4248,000
12-02-2008	18:01:42	28069008,000	692,000	1,153	1153,333	4152,000
12-02-2008	18:11:42	28069704,000	696,000	1,160	1160,000	4176,000
12-02-2008	18:21:42	28070400,000	696,000	1,160	1160,000	4176,000
12-02-2008	18:31:42	28071096,000	696,000	1,160	1160,000	4176,000
12-02-2008	18:41:42	28071800,000	704,000	1,173	1173,333	4224,000
12-02-2008	18:51:42	28072488,000	688,000	1,147	1146,667	4128,000
12-02-2008	19:01:42	28073172,000	684,000	1,140	1140,000	4104,000
12-02-2008	19:11:42	28073848,000	676,000	1,127	1126,667	4056,000
12-02-2008	19:21:42	28074536,000	688,000	1,147	1146,667	4128,000
12-02-2008	19:31:42	28075204,000	668,000	1,113	1113,333	4008,000
12-02-2008	19:41:42	28075864,000	660,000	1,100	1100,000	3960,000
12-02-2008	19:51:42	28076520,000	656,000	1,093	1093,333	3936,000
12-02-2008	20:01:42	28077172,000	652,000	1,087	1086,667	3912,000
12-02-2008	20:11:42	28077828,000	656,000	1,093	1093,333	3936,000
12-02-2008	20:21:42	28078468,000	640,000	1,067	1066,667	3840,000
12-02-2008	20:31:42	28079100,000	632,000	1,053	1053,333	3792,000
12-02-2008	20:41:42	28079732,000	632,000	1,053	1053,333	3792,000
12-02-2008	20:51:42	28080356,000	624,000	1,040	1040,000	3744,000
12-02-2008	21:01:42	28080980,000	624,000	1,040	1040,000	3744,000
12-02-2008	21:11:42	28081588,000	608,000	1,013	1013,333	3648,000
12-02-2008	21:21:42	28082188,000	600,000	1,000	1000,000	3600,000
12-02-2008	21:31:43	28082788,000	600,000	1,000	1000,000	3600,000
12-02-2008	21:41:43	28083384,000	596,000	0,993	993,333	3576,000
12-02-2008	21:51:43	28083992,000	608,000	1,013	1013,333	3648,000
12-02-2008	22:01:43	28084588,000	596,000	0,993	993,333	3576,000
12-02-2008	22:11:43	28085184,000	596,000	0,993	993,333	3576,000
12-02-2008	22:21:43	28085784,000	600,000	1,000	1000,000	3600,000
12-02-2008	22:31:43	28086388,000	604,000	1,007	1006,667	3624,000
12-02-2008	22:41:43	28087004,000	616,000	1,027	1026,667	3696,000
12-02-2008	22:51:43	28087612,000	608,000	1,013	1013,333	3648,000
12-02-2008	23:01:43	28088224,000	612,000	1,020	1020,000	3672,000
12-02-2008	23:11:43	28088840,000	616,000	1,027	1026,667	3696,000
12-02-2008	23:21:43	28089468,000	628,000	1,047	1046,667	3768,000
12-02-2008	23:31:43	28090084,000	616,000	1,027	1026,667	3696,000
12-02-2008	23:41:43	28090704,000	620,000	1,033	1033,333	3720,000
12-02-2008	23:51:43	28091320,000	616,000	1,027	1026,667	3696,000
13-02-2008	00:00:24	28091864,000	544,000	1,044	1044,146	3758,925

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	28091864,000				
13-02-2008	00:01:43	28091944,000	80,000	1,013	1012,658	3645,570
13-02-2008	00:11:43	28092576,000	632,000	1,053	1053,333	3792,000
13-02-2008	00:21:43	28093200,000	624,000	1,040	1040,000	3744,000
13-02-2008	00:31:43	28093828,000	628,000	1,047	1046,667	3768,000
13-02-2008	00:41:43	28094456,000	628,000	1,047	1046,667	3768,000
13-02-2008	00:51:43	28095088,000	632,000	1,053	1053,333	3792,000
13-02-2008	01:01:43	28095740,000	652,000	1,087	1086,667	3912,000
13-02-2008	01:11:43	28096376,000	636,000	1,060	1060,000	3816,000
13-02-2008	01:21:43	28097020,000	644,000	1,073	1073,333	3864,000
13-02-2008	01:31:43	28097664,000	644,000	1,073	1073,333	3864,000
13-02-2008	01:41:43	28098316,000	652,000	1,087	1086,667	3912,000
13-02-2008	01:51:43	28098968,000	652,000	1,087	1086,667	3912,000
13-02-2008	02:01:43	28099640,000	672,000	1,120	1120,000	4032,000
13-02-2008	02:11:43	28100300,000	660,000	1,100	1100,000	3960,000
13-02-2008	02:21:43	28100964,000	664,000	1,107	1106,667	3984,000
13-02-2008	02:31:43	28101632,000	668,000	1,113	1113,333	4008,000
13-02-2008	02:41:43	28102300,000	668,000	1,113	1113,333	4008,000
13-02-2008	02:51:43	28102984,000	684,000	1,140	1140,000	4104,000
13-02-2008	03:01:43	28103664,000	680,000	1,133	1133,333	4080,000
13-02-2008	03:11:43	28104344,000	680,000	1,133	1133,333	4080,000
13-02-2008	03:21:43	28105020,000	676,000	1,127	1126,667	4056,000
13-02-2008	03:31:43	28105704,000	684,000	1,140	1140,000	4104,000
13-02-2008	03:41:43	28106400,000	696,000	1,160	1160,000	4176,000
13-02-2008	03:51:43	28107084,000	684,000	1,140	1140,000	4104,000
13-02-2008	04:01:43	28107772,000	688,000	1,147	1146,667	4128,000
13-02-2008	04:11:43	28108468,000	696,000	1,160	1160,000	4176,000
13-02-2008	04:21:43	28109156,000	688,000	1,147	1146,667	4128,000
13-02-2008	04:31:43	28109860,000	704,000	1,173	1173,333	4224,000
13-02-2008	04:41:43	28110556,000	696,000	1,160	1160,000	4176,000
13-02-2008	04:51:43	28111256,000	700,000	1,167	1166,667	4200,000
13-02-2008	05:01:43	28111956,000	700,000	1,167	1166,667	4200,000
13-02-2008	05:11:43	28112656,000	700,000	1,167	1166,667	4200,000
13-02-2008	05:21:43	28113368,000	712,000	1,187	1186,667	4272,000
13-02-2008	05:31:44	28114084,000	716,000	1,193	1193,333	4296,000
13-02-2008	05:41:44	28114792,000	708,000	1,180	1180,000	4248,000
13-02-2008	05:51:44	28115504,000	712,000	1,187	1186,667	4272,000
13-02-2008	06:01:44	28116216,000	712,000	1,187	1186,667	4272,000
13-02-2008	06:11:44	28116928,000	712,000	1,187	1186,667	4272,000
13-02-2008	06:21:44	28117660,000	732,000	1,220	1220,000	4392,000
13-02-2008	06:31:44	28118376,000	716,000	1,193	1193,333	4296,000
13-02-2008	06:41:44	28119096,000	720,000	1,200	1200,000	4320,000
13-02-2008	06:51:44	28119816,000	720,000	1,200	1200,000	4320,000
13-02-2008	07:01:44	28120536,000	720,000	1,200	1200,000	4320,000
13-02-2008	07:11:44	28121272,000	736,000	1,227	1226,667	4416,000
13-02-2008	07:21:44	28121992,000	720,000	1,200	1200,000	4320,000
13-02-2008	07:31:44	28122708,000	716,000	1,193	1193,333	4296,000
13-02-2008	07:41:44	28123424,000	716,000	1,193	1193,333	4296,000
13-02-2008	07:51:44	28124144,000	720,000	1,200	1200,000	4320,000

13-02-2008	08:01:44	28124872,000	728,000	1,213	1213,333	4368,000
13-02-2008	08:11:44	28125584,000	712,000	1,187	1186,667	4272,000
13-02-2008	08:21:44	28126300,000	716,000	1,193	1193,333	4296,000
13-02-2008	08:31:44	28127016,000	716,000	1,193	1193,333	4296,000
13-02-2008	08:41:44	28127728,000	712,000	1,187	1186,667	4272,000
13-02-2008	08:51:44	28128460,000	732,000	1,220	1220,000	4392,000
13-02-2008	09:01:44	28129176,000	716,000	1,193	1193,333	4296,000
13-02-2008	09:11:44	28129892,000	716,000	1,193	1193,333	4296,000
13-02-2008	09:21:44	28130604,000	712,000	1,187	1186,667	4272,000
13-02-2008	09:31:44	28131332,000	728,000	1,213	1213,333	4368,000
13-02-2008	09:41:44	28132044,000	712,000	1,187	1186,667	4272,000
13-02-2008	09:51:44	28132752,000	708,000	1,180	1180,000	4248,000
13-02-2008	10:01:44	28133440,000	688,000	1,147	1146,667	4128,000
13-02-2008	10:11:44	28133892,000	452,000	0,753	753,333	2712,000
13-02-2008	10:21:44	28134288,000	396,000	0,660	660,000	2376,000
13-02-2008	10:31:44	28134672,000	384,000	0,640	640,000	2304,000
13-02-2008	10:41:44	28135048,000	376,000	0,627	626,667	2256,000
13-02-2008	10:51:45	28135428,000	380,000	0,633	633,333	2280,000
13-02-2008	11:01:45	28135800,000	372,000	0,620	620,000	2232,000
13-02-2008	11:11:45	28136184,000	384,000	0,640	640,000	2304,000
13-02-2008	11:21:45	28136556,000	372,000	0,620	620,000	2232,000
13-02-2008	11:31:45	28136924,000	368,000	0,613	613,333	2208,000
13-02-2008	11:41:45	28137296,000	372,000	0,620	620,000	2232,000
13-02-2008	11:51:45	28137664,000	368,000	0,613	613,333	2208,000
13-02-2008	12:01:45	28138040,000	376,000	0,627	626,667	2256,000
13-02-2008	12:11:45	28138404,000	364,000	0,607	606,667	2184,000
13-02-2008	12:22:05	28138780,000	376,000	0,606	606,452	2183,226
13-02-2008	12:32:49	28139172,000	392,000	0,609	608,696	2191,304
13-02-2008	12:42:50	28139536,000	364,000	0,607	606,667	2184,000
13-02-2008	12:52:50	28139896,000	360,000	0,600	600,000	2160,000
13-02-2008	13:02:50	28140256,000	360,000	0,600	600,000	2160,000
13-02-2008	13:12:50	28140620,000	364,000	0,607	606,667	2184,000
13-02-2008	13:22:50	28140992,000	372,000	0,620	620,000	2232,000
13-02-2008	13:32:50	28141352,000	360,000	0,600	600,000	2160,000
13-02-2008	13:42:50	28141716,000	364,000	0,607	606,667	2184,000
13-02-2008	13:52:50	28142076,000	360,000	0,600	600,000	2160,000
13-02-2008	14:02:50	28142428,000	352,000	0,587	586,667	2112,000
13-02-2008	14:12:50	28142788,000	360,000	0,600	600,000	2160,000
13-02-2008	14:22:50	28143136,000	348,000	0,580	580,000	2088,000
13-02-2008	14:32:50	28143488,000	352,000	0,587	586,667	2112,000
13-02-2008	14:42:50	28143844,000	356,000	0,593	593,333	2136,000
13-02-2008	14:52:50	28144200,000	356,000	0,593	593,333	2136,000
13-02-2008	15:02:50	28144568,000	368,000	0,613	613,333	2208,000
13-02-2008	15:12:50	28144928,000	360,000	0,600	600,000	2160,000
13-02-2008	15:22:50	28145284,000	356,000	0,593	593,333	2136,000
13-02-2008	15:32:50	28145644,000	360,000	0,600	600,000	2160,000
13-02-2008	15:42:50	28146008,000	364,000	0,607	606,667	2184,000
13-02-2008	15:52:50	28146384,000	376,000	0,627	626,667	2256,000
13-02-2008	16:02:50	28146756,000	372,000	0,620	620,000	2232,000
13-02-2008	16:12:50	28147132,000	376,000	0,627	626,667	2256,000
13-02-2008	16:22:50	28147512,000	380,000	0,633	633,333	2280,000
13-02-2008	16:32:50	28147892,000	380,000	0,633	633,333	2280,000
13-02-2008	16:42:50	28148288,000	396,000	0,660	660,000	2376,000
13-02-2008	16:52:50	28148676,000	388,000	0,647	646,667	2328,000
13-02-2008	17:02:50	28149156,000	480,000	0,800	800,000	2880,000

13-02-2008	17:12:50	28149704,000	548,000	0,913	913,333	3288,000
13-02-2008	17:22:51	28150284,000	580,000	0,967	966,667	3480,000
13-02-2008	17:32:51	28150856,000	572,000	0,953	953,333	3432,000
13-02-2008	17:42:51	28151432,000	576,000	0,960	960,000	3456,000
13-02-2008	17:52:51	28152008,000	576,000	0,960	960,000	3456,000
13-02-2008	18:02:51	28152588,000	580,000	0,967	966,667	3480,000
13-02-2008	18:12:51	28153180,000	592,000	0,987	986,667	3552,000
13-02-2008	18:22:51	28153760,000	580,000	0,967	966,667	3480,000
13-02-2008	18:32:51	28154340,000	580,000	0,967	966,667	3480,000
13-02-2008	18:42:51	28154920,000	580,000	0,967	966,667	3480,000
13-02-2008	18:52:51	28155496,000	576,000	0,960	960,000	3456,000
13-02-2008	19:02:51	28156076,000	580,000	0,967	966,667	3480,000
13-02-2008	19:12:51	28156644,000	568,000	0,947	946,667	3408,000
13-02-2008	19:22:51	28157212,000	568,000	0,947	946,667	3408,000
13-02-2008	19:32:51	28157772,000	560,000	0,933	933,333	3360,000
13-02-2008	19:42:51	28158344,000	572,000	0,953	953,333	3432,000
13-02-2008	19:52:51	28158900,000	556,000	0,927	926,667	3336,000
13-02-2008	20:02:51	28159452,000	552,000	0,920	920,000	3312,000
13-02-2008	20:12:51	28159996,000	544,000	0,907	906,667	3264,000
13-02-2008	20:22:51	28160536,000	540,000	0,900	900,000	3240,000
13-02-2008	20:32:51	28161072,000	536,000	0,893	893,333	3216,000
13-02-2008	20:42:51	28161616,000	544,000	0,907	906,667	3264,000
13-02-2008	20:52:51	28162148,000	532,000	0,887	886,667	3192,000
13-02-2008	21:02:51	28162672,000	524,000	0,873	873,333	3144,000
13-02-2008	21:12:51	28163192,000	520,000	0,867	866,667	3120,000
13-02-2008	21:22:51	28163716,000	524,000	0,873	873,333	3144,000
13-02-2008	21:32:51	28164236,000	520,000	0,867	866,667	3120,000
13-02-2008	21:42:51	28164756,000	520,000	0,867	866,667	3120,000
13-02-2008	21:52:51	28165280,000	524,000	0,873	873,333	3144,000
13-02-2008	22:02:51	28165808,000	528,000	0,880	880,000	3168,000
13-02-2008	22:12:51	28166348,000	540,000	0,900	900,000	3240,000
13-02-2008	22:22:51	28166876,000	528,000	0,880	880,000	3168,000
13-02-2008	22:32:52	28167408,000	532,000	0,887	886,667	3192,000
13-02-2008	22:42:52	28167936,000	528,000	0,880	880,000	3168,000
13-02-2008	22:52:52	28168464,000	528,000	0,880	880,000	3168,000
13-02-2008	23:02:52	28169004,000	540,000	0,900	900,000	3240,000
13-02-2008	23:12:52	28169532,000	528,000	0,880	880,000	3168,000
13-02-2008	23:22:52	28170060,000	528,000	0,880	880,000	3168,000
13-02-2008	23:32:52	28170588,000	528,000	0,880	880,000	3168,000
13-02-2008	23:42:52	28171112,000	524,000	0,873	873,333	3144,000
13-02-2008	23:52:52	28171652,000	540,000	0,900	900,000	3240,000
14-02-2008	00:00:13	28172044,000	392,000	0,889	888,889	3200,000

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:14	28172044,000				
14-02-2008	00:02:52	28172180,000	136,000	0,861	860,759	3098,734
14-02-2008	00:12:52	28172704,000	524,000	0,873	873,333	3144,000
14-02-2008	00:22:52	28173236,000	532,000	0,887	886,667	3192,000
14-02-2008	00:32:52	28173772,000	536,000	0,893	893,333	3216,000
14-02-2008	00:42:52	28174304,000	532,000	0,887	886,667	3192,000
14-02-2008	00:52:52	28174840,000	536,000	0,893	893,333	3216,000
14-02-2008	01:02:52	28175376,000	536,000	0,893	893,333	3216,000
14-02-2008	01:12:52	28175912,000	536,000	0,893	893,333	3216,000
14-02-2008	01:22:53	28176468,000	556,000	0,927	926,667	3336,000
14-02-2008	01:32:53	28177012,000	544,000	0,907	906,667	3264,000
14-02-2008	01:42:53	28177556,000	544,000	0,907	906,667	3264,000
14-02-2008	01:52:53	28178104,000	548,000	0,913	913,333	3288,000
14-02-2008	02:02:53	28178656,000	552,000	0,920	920,000	3312,000
14-02-2008	02:12:53	28179220,000	564,000	0,940	940,000	3384,000
14-02-2008	02:22:53	28179776,000	556,000	0,927	926,667	3336,000
14-02-2008	02:32:53	28180332,000	556,000	0,927	926,667	3336,000
14-02-2008	02:42:53	28180892,000	560,000	0,933	933,333	3360,000
14-02-2008	02:52:53	28181456,000	564,000	0,940	940,000	3384,000
14-02-2008	03:02:53	28182028,000	572,000	0,953	953,333	3432,000
14-02-2008	03:12:53	28182600,000	572,000	0,953	953,333	3432,000
14-02-2008	03:22:54	28183168,000	568,000	0,947	946,667	3408,000
14-02-2008	03:32:54	28183740,000	572,000	0,953	953,333	3432,000
14-02-2008	03:42:54	28184312,000	572,000	0,953	953,333	3432,000
14-02-2008	03:52:54	28184896,000	584,000	0,973	973,333	3504,000
14-02-2008	04:02:54	28185472,000	576,000	0,960	960,000	3456,000
14-02-2008	04:12:54	28186052,000	580,000	0,967	966,667	3480,000
14-02-2008	04:22:54	28186632,000	580,000	0,967	966,667	3480,000
14-02-2008	04:32:54	28187212,000	580,000	0,967	966,667	3480,000
14-02-2008	04:42:54	28187808,000	596,000	0,993	993,333	3576,000
14-02-2008	04:52:54	28188392,000	584,000	0,973	973,333	3504,000
14-02-2008	05:02:54	28188976,000	584,000	0,973	973,333	3504,000
14-02-2008	05:12:55	28189560,000	584,000	0,973	973,333	3504,000
14-02-2008	05:22:55	28190140,000	580,000	0,967	966,667	3480,000
14-02-2008	05:32:55	28190740,000	600,000	1,000	1000,000	3600,000
14-02-2008	05:42:55	28191320,000	580,000	0,967	966,667	3480,000
14-02-2008	05:52:55	28191900,000	580,000	0,967	966,667	3480,000
14-02-2008	06:02:55	28192476,000	576,000	0,960	960,000	3456,000
14-02-2008	06:12:55	28193052,000	576,000	0,960	960,000	3456,000
14-02-2008	06:22:55	28193640,000	588,000	0,980	980,000	3528,000
14-02-2008	06:32:55	28194224,000	584,000	0,973	973,333	3504,000
14-02-2008	06:42:55	28194800,000	576,000	0,960	960,000	3456,000
14-02-2008	06:52:55	28195376,000	576,000	0,960	960,000	3456,000
14-02-2008	07:02:55	28195952,000	576,000	0,960	960,000	3456,000
14-02-2008	07:12:55	28196536,000	584,000	0,973	973,333	3504,000
14-02-2008	07:22:55	28197112,000	576,000	0,960	960,000	3456,000
14-02-2008	07:32:56	28197688,000	576,000	0,960	960,000	3456,000
14-02-2008	07:42:56	28198264,000	576,000	0,960	960,000	3456,000
14-02-2008	07:52:56	28198840,000	576,000	0,960	960,000	3456,000
14-02-2008	08:02:56	28199412,000	572,000	0,953	953,333	3432,000

14-02-2008	08:12:56	28199996,000	584,000	0,973	973,333	3504,000
14-02-2008	08:22:56	28200568,000	572,000	0,953	953,333	3432,000
14-02-2008	08:32:56	28201140,000	572,000	0,953	953,333	3432,000
14-02-2008	08:42:56	28201712,000	572,000	0,953	953,333	3432,000
14-02-2008	08:52:56	28202300,000	588,000	0,980	980,000	3528,000
14-02-2008	09:02:56	28202868,000	568,000	0,947	946,667	3408,000
14-02-2008	09:12:56	28203436,000	568,000	0,947	946,667	3408,000
14-02-2008	09:22:56	28204008,000	572,000	0,953	953,333	3432,000
14-02-2008	09:32:56	28204584,000	576,000	0,960	960,000	3456,000
14-02-2008	09:42:56	28205168,000	584,000	0,973	973,333	3504,000
14-02-2008	09:52:56	28205736,000	568,000	0,947	946,667	3408,000
14-02-2008	10:02:56	28206304,000	568,000	0,947	946,667	3408,000
14-02-2008	10:12:56	28206872,000	568,000	0,947	946,667	3408,000
14-02-2008	10:22:56	28207432,000	560,000	0,933	933,333	3360,000
14-02-2008	10:32:56	28208000,000	568,000	0,947	946,667	3408,000
14-02-2008	10:42:56	28208552,000	552,000	0,920	920,000	3312,000
14-02-2008	10:52:56	28209100,000	548,000	0,913	913,333	3288,000
14-02-2008	11:02:56	28209644,000	544,000	0,907	906,667	3264,000
14-02-2008	11:12:56	28210184,000	540,000	0,900	900,000	3240,000
14-02-2008	11:22:56	28210728,000	544,000	0,907	906,667	3264,000
14-02-2008	11:32:56	28211260,000	532,000	0,887	886,667	3192,000
14-02-2008	11:42:56	28211788,000	528,000	0,880	880,000	3168,000
14-02-2008	11:52:56	28212308,000	520,000	0,867	866,667	3120,000
14-02-2008	12:02:56	28212840,000	532,000	0,887	886,667	3192,000
14-02-2008	12:12:56	28213352,000	512,000	0,853	853,333	3072,000
14-02-2008	12:22:56	28213864,000	512,000	0,853	853,333	3072,000
14-02-2008	12:32:56	28214376,000	512,000	0,853	853,333	3072,000
14-02-2008	12:42:56	28214880,000	504,000	0,840	840,000	3024,000
14-02-2008	12:52:57	28215388,000	508,000	0,847	846,667	3048,000
14-02-2008	13:02:57	28215904,000	516,000	0,860	860,000	3096,000
14-02-2008	13:12:57	28216412,000	508,000	0,847	846,667	3048,000
14-02-2008	13:22:57	28216916,000	504,000	0,840	840,000	3024,000
14-02-2008	13:32:57	28217424,000	508,000	0,847	846,667	3048,000
14-02-2008	13:42:57	28217940,000	516,000	0,860	860,000	3096,000
14-02-2008	13:52:57	28218444,000	504,000	0,840	840,000	3024,000
14-02-2008	14:02:57	28218952,000	508,000	0,847	846,667	3048,000
14-02-2008	14:12:57	28219460,000	508,000	0,847	846,667	3048,000
14-02-2008	14:22:57	28219968,000	508,000	0,847	846,667	3048,000
14-02-2008	14:32:57	28220488,000	520,000	0,867	866,667	3120,000
14-02-2008	14:42:57	28220996,000	508,000	0,847	846,667	3048,000
14-02-2008	14:52:57	28221508,000	512,000	0,853	853,333	3072,000
14-02-2008	15:02:57	28222016,000	508,000	0,847	846,667	3048,000
14-02-2008	15:12:57	28222528,000	512,000	0,853	853,333	3072,000
14-02-2008	15:22:57	28223052,000	524,000	0,873	873,333	3144,000
14-02-2008	15:32:57	28223572,000	520,000	0,867	866,667	3120,000
14-02-2008	15:42:57	28224092,000	520,000	0,867	866,667	3120,000
14-02-2008	15:52:57	28224612,000	520,000	0,867	866,667	3120,000
14-02-2008	16:02:57	28225140,000	528,000	0,880	880,000	3168,000
14-02-2008	16:12:57	28225676,000	536,000	0,893	893,333	3216,000
14-02-2008	16:22:57	28226204,000	528,000	0,880	880,000	3168,000
14-02-2008	16:32:57	28226736,000	532,000	0,887	886,667	3192,000
14-02-2008	16:42:57	28227272,000	536,000	0,893	893,333	3216,000
14-02-2008	16:52:57	28227828,000	556,000	0,927	926,667	3336,000
14-02-2008	17:02:57	28228400,000	572,000	0,953	953,333	3432,000
14-02-2008	17:12:57	28228964,000	564,000	0,940	940,000	3384,000

14-02-2008	17:22:57	28229532,000	568,000	0,947	946,667	3408,000
14-02-2008	17:32:57	28230100,000	568,000	0,947	946,667	3408,000
14-02-2008	17:42:57	28230672,000	572,000	0,953	953,333	3432,000
14-02-2008	17:52:57	28231260,000	588,000	0,980	980,000	3528,000
14-02-2008	18:02:57	28231836,000	576,000	0,960	960,000	3456,000
14-02-2008	18:12:57	28232416,000	580,000	0,967	966,667	3480,000
14-02-2008	18:22:57	28232996,000	580,000	0,967	966,667	3480,000
14-02-2008	18:32:57	28233580,000	584,000	0,973	973,333	3504,000
14-02-2008	18:42:58	28234176,000	596,000	0,993	993,333	3576,000
14-02-2008	18:52:58	28234752,000	576,000	0,960	960,000	3456,000
14-02-2008	19:02:58	28235324,000	572,000	0,953	953,333	3432,000
14-02-2008	19:12:58	28235892,000	568,000	0,947	946,667	3408,000
14-02-2008	19:22:58	28236460,000	568,000	0,947	946,667	3408,000
14-02-2008	19:32:58	28237012,000	552,000	0,920	920,000	3312,000
14-02-2008	19:42:58	28237564,000	552,000	0,920	920,000	3312,000
14-02-2008	19:52:58	28238108,000	544,000	0,907	906,667	3264,000
14-02-2008	20:02:58	28238648,000	540,000	0,900	900,000	3240,000
14-02-2008	20:12:58	28239188,000	540,000	0,900	900,000	3240,000
14-02-2008	20:22:58	28239716,000	528,000	0,880	880,000	3168,000
14-02-2008	20:32:58	28240240,000	524,000	0,873	873,333	3144,000
14-02-2008	20:42:58	28240764,000	524,000	0,873	873,333	3144,000
14-02-2008	20:52:58	28241280,000	516,000	0,860	860,000	3096,000
14-02-2008	21:02:58	28241792,000	512,000	0,853	853,333	3072,000
14-02-2008	21:12:58	28242308,000	516,000	0,860	860,000	3096,000
14-02-2008	21:22:58	28242812,000	504,000	0,840	840,000	3024,000
14-02-2008	21:32:58	28243312,000	500,000	0,833	833,333	3000,000
14-02-2008	21:42:58	28243824,000	512,000	0,853	853,333	3072,000
14-02-2008	21:52:58	28244344,000	520,000	0,867	866,667	3120,000
14-02-2008	22:02:58	28244860,000	516,000	0,860	860,000	3096,000
14-02-2008	22:12:58	28245380,000	520,000	0,867	866,667	3120,000
14-02-2008	22:22:58	28245904,000	524,000	0,873	873,333	3144,000
14-02-2008	22:32:58	28246428,000	524,000	0,873	873,333	3144,000
14-02-2008	22:42:58	28246968,000	540,000	0,900	900,000	3240,000
14-02-2008	22:52:58	28247496,000	528,000	0,880	880,000	3168,000
14-02-2008	23:02:58	28248024,000	528,000	0,880	880,000	3168,000
14-02-2008	23:12:58	28248548,000	524,000	0,873	873,333	3144,000
14-02-2008	23:22:58	28249072,000	524,000	0,873	873,333	3144,000
14-02-2008	23:32:58	28249612,000	540,000	0,900	900,000	3240,000
14-02-2008	23:42:58	28250136,000	524,000	0,873	873,333	3144,000
14-02-2008	23:52:59	28250660,000	524,000	0,873	873,333	3144,000
15-02-2008	00:00:02	28251032,000	372,000	0,879	879,433	3165,957

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	Caudais Médios m3/h	Caudal Médio Horário
Hora	**Caudal (m3/h)**							
00:00-00:10	3351,724	3218,059	3303,896	3696,000	3792,000	3144,000	3417,613	3447,602
00:10-00:20	3312,000	3240,000	3288,000	3792,000	3744,000	3192,000	3428,000	
00:20-00:30	3336,000	3312,000	3288,000	3768,000	3768,000	3216,000	3448,000	
00:30-00:40	3432,000	3264,000	3288,000	3768,000	3768,000	3192,000	3452,000	
00:40-00:50	3336,000	3240,000	3312,000	3792,000	3792,000	3216,000	3448,000	
00:50-01:00	3360,000	3264,000	3384,000	3816,000	3912,000	3216,000	3492,000	
01:00-01:10	3360,000	3288,000	3288,000	3888,000	3816,000	3216,000	3476,000	3514,667
01:10-01:20	3360,000	3360,000	3312,000	3840,000	3864,000	3336,000	3512,000	
01:20-01:30	3360,000	3288,000	3312,000	3864,000	3864,000	3264,000	3492,000	
01:30-01:40	3432,000	3288,000	3312,000	3912,000	3912,000	3264,000	3520,000	
01:40-01:50	3384,000	3312,000	3384,000	3912,000	3912,000	3288,000	3532,000	
01:50-02:00	3408,000	3312,000	3360,000	3912,000	4032,000	3312,000	3556,000	
02:00-02:10	3384,000	3360,000	3336,000	4008,000	3960,000	3384,000	3572,000	3603,333
02:10-02:20	3456,000	3336,000	3360,000	3984,000	3984,000	3336,000	3576,000	
02:20-02:30	3408,000	3336,000	3384,000	3984,000	4008,000	3336,000	3576,000	
02:30-02:40	3432,000	3408,000	3456,000	3984,000	4008,000	3360,000	3608,000	
02:40-02:50	3432,000	3408,000	3432,000	4056,000	4104,000	3384,000	3636,000	
02:50-03:00	3456,000	3408,000	3432,000	4104,000	4080,000	3432,000	3652,000	
03:00-03:10	3480,000	3480,000	3480,000	4056,000	4080,000	3432,000	3668,000	3700,667
03:10-03:20	3576,000	3480,000	3480,000	4080,000	4056,000	3408,000	3680,000	
03:20-03:30	3480,000	3456,000	3552,000	4080,000	4104,000	3432,000	3684,000	
03:30-03:40	3528,000	3504,000	3480,000	4104,000	4176,000	3432,000	3704,000	
03:40-03:50	3504,000	3600,000	3504,000	4128,000	4104,000	3504,000	3724,000	
03:50-04:00	3552,000	3552,000	3528,000	4248,000	4128,000	3456,000	3744,000	
04:00-04:10	3624,000	3528,000	3552,000	4152,000	4176,000	3480,000	3752,000	3782,667
04:10-04:20	3576,000	3576,000	3624,000	4176,000	4128,000	3480,000	3760,000	
04:20-04:30	3576,000	3576,000	3576,000	4176,000	4224,000	3480,000	3768,000	
04:30-04:40	3576,000	3696,000	3576,000	4200,000	4176,000	3576,000	3800,000	
04:40-04:50	3600,000	3624,000	3600,000	4320,000	4200,000	3504,000	3808,000	
04:50-05:00	3672,000	3648,000	3600,000	4224,000	4200,000	3504,000	3808,000	
05:00-05:10	3624,000	3648,000	3696,000	4248,000	4200,000	3504,000	3820,000	3850,667
05:10-05:20	3648,000	3672,000	3624,000	4248,000	4272,000	3480,000	3824,000	
05:20-05:30	3648,000	3672,000	3648,000	4272,000	4296,000	3600,000	3856,000	
05:30-05:40	3672,000	3792,000	3672,000	4368,000	4248,000	3480,000	3872,000	
05:40-05:50	3648,000	3720,000	3672,000	4296,000	4272,000	3480,000	3848,000	
05:50-06:00	3744,000	3744,000	3792,000	4296,000	4272,000	3456,000	3884,000	
06:00-06:10	3696,000	3744,000	3696,000	4320,000	4272,000	3456,000	3864,000	3906,000
06:10-06:20	3696,000	3768,000	3720,000	4296,000	4392,000	3528,000	3900,000	
06:20-06:30	3720,000	3840,000	3744,000	4392,000	4296,000	3504,000	3916,000	
06:30-06:40	3792,000	3792,000	3720,000	4320,000	4320,000	3456,000	3900,000	
06:40-06:50	3840,000	3816,000	3840,000	4368,000	4320,000	3456,000	3940,000	
06:50-07:00	3792,000	3840,000	3744,000	4344,000	4320,000	3456,000	3916,000	
07:00-07:10	3792,000	3840,000	3792,000	4344,000	4416,000	3504,000	3948,000	3949,333
07:10-07:20	3816,000	3888,000	3792,000	4440,000	4320,000	3456,000	3952,000	
07:20-07:30	3912,000	3816,000	3912,000	4368,000	4296,000	3456,000	3960,000	
07:30-07:40	3840,000	3792,000	3816,000	4344,000	4296,000	3456,000	3924,000	
07:40-07:50	3888,000	3816,000	3840,000	4392,000	4320,000	3456,000	3952,000	
07:50-08:00	3912,000	3792,000	3840,000	4416,000	4368,000	3432,000	3960,000	

08:00-08:10	3912,000	3912,000	3864,000	4464,000	4272,000	3504,000	3988,000	3968,000
08:10-08:20	3912,000	3792,000	3936,000	4416,000	4296,000	3432,000	3964,000	
08:20-08:30	4008,000	3792,000	3840,000	4392,000	4296,000	3432,000	3960,000	
08:30-08:40	3888,000	3768,000	3864,000	4392,000	4272,000	3432,000	3936,000	
08:40-08:50	3912,000	3792,000	3888,000	4392,000	4392,000	3528,000	3984,000	
08:50-09:00	3888,000	3888,000	3888,000	4488,000	4296,000	3408,000	3976,000	
09:00-09:10	3864,000	3792,000	3912,000	4392,000	4296,000	3408,000	3944,000	3918,667
09:10-09:20	3912,000	3768,000	3840,000	4368,000	4272,000	3432,000	3932,000	
09:20-09:30	3816,000	3768,000	3864,000	4368,000	4368,000	3456,000	3940,000	
09:30-09:40	3816,000	3768,000	3816,000	4344,000	4272,000	3504,000	3920,000	
09:40-09:50	3816,000	3744,000	3912,000	4368,000	4248,000	3408,000	3916,000	
09:50-10:00	3768,000	3816,000	3768,000	4272,000	4128,000	3408,000	3860,000	
10:00-10:10	3864,000	3696,000	3768,000	4224,000	2712,000	3408,000	3612,000	3498,000
10:10-10:20	3720,000	3696,000	3720,000	4200,000	2376,000	3360,000	3512,000	
10:20-10:30	3720,000	3672,000	3696,000	4176,000	2304,000	3408,000	3496,000	
10:30-10:40	3720,000	3648,000	3672,000	4224,000	2256,000	3312,000	3472,000	
10:40-10:50	3672,000	3720,000	3744,000	4104,000	2280,000	3288,000	3468,000	
10:50-11:00	3768,000	3624,000	3624,000	4056,000	2232,000	3264,000	3428,000	
11:00-11:10	3648,000	3624,000	3648,000	4032,000	2304,000	3240,000	3416,000	3362,000
11:10-11:20	3624,000	3600,000	3600,000	4008,000	2232,000	3264,000	3388,000	
11:20-11:30	3600,000	3576,000	3672,000	4032,000	2208,000	3192,000	3380,000	
11:30-11:40	3600,000	3624,000	3552,000	3912,000	2232,000	3168,000	3348,000	
11:40-11:50	3648,000	3528,000	3528,000	3912,000	2208,000	3120,000	3324,000	
11:50-12:00	3552,000	3528,000	3504,000	3864,000	2256,000	3192,000	3316,000	
12:00-12:10	3528,000	3504,000	3480,000	3816,000	2184,000	3072,000	3264,000	3237,515
12:10-12:20	3504,000	3480,000	3528,000	3816,000	2183,226	3072,000	3263,871	
12:20-12:30	3480,000	3576,000	3480,000	3720,000	2191,304	3072,000	3253,217	
12:30-12:40	3456,000	3456,000	3456,000	3696,000	2184,000	3024,000	3212,000	
12:40-12:50	3504,000	3432,000	3480,000	3672,000	2160,000	3048,000	3216,000	
12:50-13:00	3408,000	3432,000	3456,000	3744,000	2160,000	3096,000	3216,000	
13:00-13:10	3408,000	3408,000	3552,000	3648,000	2184,000	3048,000	3208,000	3204,000
13:10-13:20	3384,000	3456,000	3480,000	3648,000	2232,000	3024,000	3204,000	
13:20-13:30	3504,000	3384,000	3456,000	3648,000	2160,000	3048,000	3200,000	
13:30-13:40	3408,000	3384,000	3480,000	3648,000	2184,000	3096,000	3200,000	
13:40-13:50	3432,000	3384,000	3480,000	3720,000	2160,000	3024,000	3200,000	
13:50-14:00	3456,000	3384,000	3576,000	3696,000	2112,000	3048,000	3212,000	
14:00-14:10	3456,000	3408,000	4032,000	3696,000	2160,000	3048,000	3300,000	3323,333
14:10-14:20	3528,000	3360,000	4032,000	3744,000	2088,000	3048,000	3300,000	
14:20-14:30	3480,000	3360,000	4080,000	3744,000	2112,000	3120,000	3316,000	
14:30-14:40	3504,000	3360,000	4032,000	3888,000	2136,000	3048,000	3328,000	
14:40-14:50	3504,000	3384,000	4152,000	3816,000	2136,000	3072,000	3344,000	
14:50-15:00	3528,000	3432,000	4080,000	3816,000	2208,000	3048,000	3352,000	
15:00-15:10	3624,000	3360,000	4080,000	3864,000	2160,000	3072,000	3360,000	3384,667
15:10-15:20	3552,000	3360,000	4080,000	3864,000	2136,000	3144,000	3356,000	
15:20-15:30	3576,000	3360,000	4200,000	3984,000	2160,000	3120,000	3400,000	
15:30-15:40	3576,000	3408,000	4080,000	3912,000	2184,000	3120,000	3380,000	
15:40-15:50	3576,000	3360,000	4128,000	3960,000	2256,000	3120,000	3400,000	
15:50-16:00	3648,000	3360,000	4104,000	3960,000	2232,000	3168,000	3412,000	
16:00-16:10	3624,000	3360,000	4128,000	4008,000	2256,000	3216,000	3432,000	3483,333
16:10-16:20	3648,000	3336,000	4200,000	4104,000	2280,000	3168,000	3456,000	
16:20-16:30	3624,000	3456,000	4128,000	4032,000	2280,000	3192,000	3452,000	
16:30-16:40	3720,000	3360,000	4152,000	4056,000	2376,000	3216,000	3480,000	
16:40-16:50	3648,000	3360,000	4152,000	4056,000	2328,000	3336,000	3480,000	
16:50-17:00	3648,000	3360,000	4152,000	4128,000	2880,000	3432,000	3600,000	

17:00-17:10	3696,000	3336,000	4296,000	4104,000	3288,000	3384,000	3684,000	3720,000
17:10-17:20	3672,000	3408,000	4176,000	4080,000	3480,000	3408,000	3704,000	
17:20-17:30	3792,000	3360,000	4200,000	4128,000	3432,000	3408,000	3720,000	
17:30-17:40	3720,000	3336,000	4200,000	4128,000	3456,000	3432,000	3712,000	
17:40-17:50	3696,000	3360,000	4248,000	4248,000	3456,000	3528,000	3756,000	
17:50-18:00	3744,000	3336,000	4296,000	4152,000	3480,000	3456,000	3744,000	
18:00-18:10	3720,000	3432,000	4272,000	4176,000	3552,000	3480,000	3772,000	3751,571
18:10-18:20	3816,000	3336,000	4296,000	4176,000	3480,000	3480,000	3764,000	
18:20-18:30	3744,000	3360,000	4272,000	4176,000	3480,000	3504,000	3756,000	
18:30-18:40	3744,000	3336,000	4248,000	4224,000	3480,000	3576,000	3768,000	
18:40-18:50	3720,000	3360,000	4280,548	4128,000	3456,000	3456,000	3733,425	
18:50-19:00	3696,000	3408,000	4176,000	4104,000	3480,000	3432,000	3716,000	
19:00-19:10	3720,000	3360,000	4176,000	4056,000	3408,000	3408,000	3688,000	3639,178
19:10-19:20	3744,000	3336,000	4104,000	4128,000	3408,000	3408,000	3688,000	
19:20-19:30	3648,000	3336,000	4104,000	4008,000	3360,000	3312,000	3628,000	
19:30-19:40	3624,000	3336,000	4344,000	3960,000	3432,000	3312,000	3668,000	
19:40-19:50	3624,000	3408,000	4002,417	3936,000	3336,000	3264,000	3595,069	
19:50-20:00	3600,000	3336,000	4008,000	3912,000	3312,000	3240,000	3568,000	
20:00-20:10	3696,000	3384,000	4032,000	3936,000	3264,000	3240,000	3592,000	3504,667
20:10-20:20	3552,000	3336,000	3936,000	3840,000	3240,000	3168,000	3512,000	
20:20-20:30	3576,000	3336,000	3912,000	3792,000	3216,000	3144,000	3496,000	
20:30-20:40	3528,000	3408,000	3864,000	3792,000	3264,000	3144,000	3500,000	
20:40-20:50	3528,000	3336,000	3864,000	3744,000	3192,000	3096,000	3460,000	
20:50-21:00	3600,000	3336,000	3912,000	3744,000	3144,000	3072,000	3468,000	
21:00-21:10	3504,000	3360,000	3768,000	3648,000	3120,000	3096,000	3416,000	3393,333
21:10-21:20	3456,000	3336,000	3768,000	3600,000	3144,000	3024,000	3388,000	
21:20-21:30	3480,000	3432,000	3720,000	3600,000	3120,000	3000,000	3392,000	
21:30-21:40	3432,000	3336,000	3696,000	3576,000	3120,000	3072,000	3372,000	
21:40-21:50	3504,000	3312,000	3768,000	3648,000	3144,000	3120,000	3416,000	
21:50-22:00	3432,000	3312,000	3672,000	3576,000	3168,000	3096,000	3376,000	
22:00-22:10	3408,000	3312,000	3672,000	3576,000	3240,000	3120,000	3388,000	3385,333
22:10-22:20	3384,000	3288,000	3648,000	3600,000	3168,000	3144,000	3372,000	
22:20-22:30	3360,000	3360,000	3648,000	3624,000	3192,000	3144,000	3388,000	
22:30-22:40	3408,000	3288,000	3720,000	3696,000	3168,000	3240,000	3420,000	
22:40-22:50	3312,000	3264,000	3624,000	3648,000	3168,000	3168,000	3364,000	
22:50-23:00	3288,000	3264,000	3648,000	3672,000	3240,000	3168,000	3380,000	
23:00-23:10	3264,000	3264,000	3648,000	3696,000	3168,000	3144,000	3364,000	3377,890
23:10-23:20	3264,000	3312,000	3672,000	3768,000	3168,000	3144,000	3388,000	
23:20-23:30	3216,000	3288,000	3744,000	3696,000	3168,000	3240,000	3392,000	
23:30-23:40	3288,000	3264,000	3672,000	3720,000	3144,000	3144,000	3372,000	
23:40-23:50	3216,000	3264,000	3648,000	3696,000	3240,000	3144,000	3368,000	
23:50-00:00	3240,000	3264,000	3671,146	3758,925	3200,000	3165,957	3383,338	

Caudal Médio Diário = 3579,4343 m3/h

Caudais Médios *Lagoa - Jovim (saída de Lagoa)*
Caudal (m3/h)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
00:00-00:10
00:50-01:00
01:40-01:50
02:30-02:40
03:20-03:30
04:10-04:20
05:00-05:10
05:50-06:00
06:40-06:50
07:30-07:40
08:20-08:30
09:10-09:20
10:00-10:10
10:50-11:00
11:40-11:50
12:30-12:40
13:20-13:30
14:10-14:20
15:00-15:10
15:50-16:00
16:40-16:50
17:30-17:40
18:20-18:30
19:10-19:20
20:00-20:10
20:50-21:00
21:40-21:50
22:30-22:40
23:20-23:30
Horas

Caudais Médios Horários *Lagoa - Jovim (saída de Lagoa)*
Caudal (m3/h)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CAUDAIS

Lagoa – Seixo Alvo (saída de Lagoa)

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	5215659,000				
09-02-2008	00:07:45	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	00:17:45	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	00:27:45	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	00:37:45	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	00:47:45	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	00:57:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	01:07:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	01:17:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	01:27:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	01:37:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	01:47:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	01:57:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	02:07:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	02:17:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	02:27:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	02:37:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	02:47:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	02:57:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	03:07:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	03:17:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	03:27:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	03:37:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	03:47:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	03:57:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	04:07:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	04:17:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	04:27:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	04:37:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	04:47:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	04:57:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	05:07:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	05:17:46	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	05:27:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	05:37:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	05:47:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	05:57:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	06:07:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	06:17:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	06:27:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	06:37:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	06:47:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	06:57:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	07:07:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	07:17:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	07:27:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	07:37:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	07:47:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	07:57:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	08:07:47	5215659,000	0,000	0,000	0,000	0,000
09-02-2008	08:17:47	5215659,000	0,000	0,000	0,000	0,000

09-02-2008	08:27:47	5215759,000	100,000	0,167	166,667	600,000
09-02-2008	08:37:47	5215932,000	173,000	0,288	288,333	1038,000
09-02-2008	08:47:47	5216107,000	175,000	0,292	291,667	1050,000
09-02-2008	08:57:47	5216279,000	172,000	0,287	286,667	1032,000
09-02-2008	09:07:47	5216450,000	171,000	0,285	285,000	1026,000
09-02-2008	09:17:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	09:27:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	09:37:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	09:47:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	09:57:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	10:07:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	10:17:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	10:27:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	10:37:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	10:47:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	10:57:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	11:07:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	11:17:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	11:27:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	11:37:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	11:47:47	5216450,000	0,000	0,000	0,000	0,000
09-02-2008	11:57:47	5216470,000	20,000	0,033	33,333	120,000
09-02-2008	12:07:47	5216633,000	163,000	0,272	271,667	978,000
09-02-2008	12:17:47	5216798,000	165,000	0,275	275,000	990,000
09-02-2008	12:27:47	5216959,000	161,000	0,268	268,333	966,000
09-02-2008	12:37:47	5217127,000	168,000	0,280	280,000	1008,000
09-02-2008	12:47:47	5217420,000	293,000	0,488	488,333	1758,000
09-02-2008	12:57:48	5217713,000	293,000	0,488	488,333	1758,000
09-02-2008	13:07:48	5218010,000	297,000	0,495	495,000	1782,000
09-02-2008	13:17:48	5218300,000	290,000	0,483	483,333	1740,000
09-02-2008	13:27:48	5218590,000	290,000	0,483	483,333	1740,000
09-02-2008	13:37:48	5218881,000	291,000	0,485	485,000	1746,000
09-02-2008	13:47:48	5219173,000	292,000	0,487	486,667	1752,000
09-02-2008	13:57:48	5219470,000	297,000	0,495	495,000	1782,000
09-02-2008	14:07:48	5219763,000	293,000	0,488	488,333	1758,000
09-02-2008	14:17:48	5220057,000	294,000	0,490	490,000	1764,000
09-02-2008	14:27:48	5220352,000	295,000	0,492	491,667	1770,000
09-02-2008	14:37:48	5220654,000	302,000	0,503	503,333	1812,000
09-02-2008	14:47:48	5220949,000	295,000	0,492	491,667	1770,000
09-02-2008	14:57:48	5221246,000	297,000	0,495	495,000	1782,000
09-02-2008	15:07:48	5221543,000	297,000	0,495	495,000	1782,000
09-02-2008	15:17:48	5221841,000	298,000	0,497	496,667	1788,000
09-02-2008	15:27:48	5222144,000	303,000	0,505	505,000	1818,000
09-02-2008	15:37:48	5222443,000	299,000	0,498	498,333	1794,000
09-02-2008	15:47:48	5222742,000	299,000	0,498	498,333	1794,000
09-02-2008	15:57:48	5223043,000	301,000	0,502	501,667	1806,000
09-02-2008	16:07:48	5223344,000	301,000	0,502	501,667	1806,000
09-02-2008	16:17:48	5223653,000	309,000	0,515	515,000	1854,000
09-02-2008	16:27:48	5223956,000	303,000	0,505	505,000	1818,000
09-02-2008	16:37:48	5224259,000	303,000	0,505	505,000	1818,000
09-02-2008	16:47:48	5224561,000	302,000	0,503	503,333	1812,000
09-02-2008	16:57:48	5224864,000	303,000	0,505	505,000	1818,000
09-02-2008	17:07:48	5225174,000	310,000	0,517	516,667	1860,000
09-02-2008	17:17:48	5225480,000	306,000	0,510	510,000	1836,000
09-02-2008	17:27:48	5225785,000	305,000	0,508	508,333	1830,000

09-02-2008	17:37:48	5226094,000	309,000	0,515	515,000	1854,000
09-02-2008	17:47:48	5226400,000	306,000	0,510	510,000	1836,000
09-02-2008	17:57:48	5226711,000	311,000	0,518	518,333	1866,000
09-02-2008	18:07:48	5227018,000	307,000	0,512	511,667	1842,000
09-02-2008	18:17:48	5227326,000	308,000	0,513	513,333	1848,000
09-02-2008	18:27:48	5227634,000	308,000	0,513	513,333	1848,000
09-02-2008	18:37:48	5227941,000	307,000	0,512	511,667	1842,000
09-02-2008	18:47:48	5228255,000	314,000	0,523	523,333	1884,000
09-02-2008	18:57:48	5228559,000	304,000	0,507	506,667	1824,000
09-02-2008	19:07:48	5228661,000	102,000	0,170	170,000	612,000
09-02-2008	19:17:48	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	19:27:48	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	19:37:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	19:47:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	19:57:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	20:07:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	20:17:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	20:27:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	20:37:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	20:47:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	20:57:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	21:07:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	21:17:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	21:27:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	21:37:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	21:47:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	21:57:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	22:07:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	22:17:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	22:27:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	22:37:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	22:47:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	22:57:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	23:07:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	23:17:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	23:27:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	23:37:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	23:47:49	5228661,000	0,000	0,000	0,000	0,000
09-02-2008	23:57:49	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	00:00:26	5228661,000	0,000	0,000	0,000	0,000

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:26	5228661,000				
10-02-2008	00:07:49	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	00:17:49	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	00:27:49	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	00:37:49	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	00:47:49	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	00:57:49	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	01:07:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	01:17:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	01:27:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	01:37:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	01:47:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	01:57:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	02:07:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	02:17:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	02:27:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	02:37:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	02:47:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	02:57:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	03:07:50	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	03:17:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	03:27:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	03:37:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	03:47:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	03:57:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	04:07:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	04:17:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	04:27:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	04:37:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	04:47:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	04:57:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	05:07:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	05:17:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	05:27:51	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	05:37:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	05:47:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	05:57:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	06:07:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	06:17:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	06:27:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	06:37:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	06:47:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	06:57:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	07:07:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	07:17:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	07:27:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	07:37:52	5228661,000	0,000	0,000	0,000	0,000
10-02-2008	07:47:52	5228887,000	226,000	0,377	376,667	1356,000
10-02-2008	07:57:52	5229115,000	228,000	0,380	380,000	1368,000
10-02-2008	08:07:52	5229152,000	37,000	0,062	61,667	222,000
10-02-2008	08:17:52	5229152,000	0,000	0,000	0,000	0,000

10-02-2008	08:27:52	5229152,000	0,000	0,000	0,000	0,000
10-02-2008	08:37:52	5229152,000	0,000	0,000	0,000	0,000
10-02-2008	08:47:52	5229152,000	0,000	0,000	0,000	0,000
10-02-2008	08:57:52	5229209,000	57,000	0,095	95,000	342,000
10-02-2008	09:07:52	5229272,000	63,000	0,105	105,000	378,000
10-02-2008	09:17:52	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	09:27:52	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	09:37:52	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	09:47:52	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	09:57:52	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	10:07:52	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	10:17:52	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	10:27:53	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	10:37:53	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	10:47:53	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	10:57:53	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	11:07:53	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	11:17:53	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	11:27:53	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	11:37:53	5229272,000	0,000	0,000	0,000	0,000
10-02-2008	11:47:53	5229345,000	73,000	0,122	121,667	438,000
10-02-2008	11:57:53	5229507,000	162,000	0,270	270,000	972,000
10-02-2008	12:07:53	5229672,000	165,000	0,275	275,000	990,000
10-02-2008	12:17:53	5229833,000	161,000	0,268	268,333	966,000
10-02-2008	12:27:53	5229994,000	161,000	0,268	268,333	966,000
10-02-2008	12:37:53	5230154,000	160,000	0,267	266,667	960,000
10-02-2008	12:47:53	5230313,000	159,000	0,265	265,000	954,000
10-02-2008	12:57:53	5230542,000	229,000	0,382	381,667	1374,000
10-02-2008	13:07:53	5230833,000	291,000	0,485	485,000	1746,000
10-02-2008	13:17:53	5231119,000	286,000	0,477	476,667	1716,000
10-02-2008	13:27:53	5231403,000	284,000	0,473	473,333	1704,000
10-02-2008	13:37:53	5231687,000	284,000	0,473	473,333	1704,000
10-02-2008	13:47:53	5231974,000	287,000	0,478	478,333	1722,000
10-02-2008	13:57:53	5232256,000	282,000	0,470	470,000	1692,000
10-02-2008	14:07:53	5232537,000	281,000	0,468	468,333	1686,000
10-02-2008	14:17:53	5232818,000	281,000	0,468	468,333	1686,000
10-02-2008	14:27:53	5233104,000	286,000	0,477	476,667	1716,000
10-02-2008	14:37:53	5233387,000	283,000	0,472	471,667	1698,000
10-02-2008	14:47:53	5233667,000	280,000	0,467	466,667	1680,000
10-02-2008	14:57:53	5233947,000	280,000	0,467	466,667	1680,000
10-02-2008	15:07:53	5234226,000	279,000	0,465	465,000	1674,000
10-02-2008	15:17:53	5234510,000	284,000	0,473	473,333	1704,000
10-02-2008	15:27:54	5234788,000	278,000	0,463	463,333	1668,000
10-02-2008	15:37:54	5235066,000	278,000	0,463	463,333	1668,000
10-02-2008	15:47:54	5235343,000	277,000	0,462	461,667	1662,000
10-02-2008	15:57:54	5235620,000	277,000	0,462	461,667	1662,000
10-02-2008	16:07:54	5235897,000	277,000	0,462	461,667	1662,000
10-02-2008	16:17:54	5236054,000	157,000	0,262	261,667	942,000
10-02-2008	16:27:54	5236211,000	157,000	0,262	261,667	942,000
10-02-2008	16:37:54	5236367,000	156,000	0,260	260,000	936,000
10-02-2008	16:47:54	5236522,000	155,000	0,258	258,333	930,000
10-02-2008	16:57:54	5236680,000	158,000	0,263	263,333	948,000
10-02-2008	17:07:54	5236836,000	156,000	0,260	260,000	936,000
10-02-2008	17:17:54	5236992,000	156,000	0,260	260,000	936,000
10-02-2008	17:27:54	5237147,000	155,000	0,258	258,333	930,000

10-02-2008	17:37:54	5237302,000	155,000	0,258	258,333	930,000
10-02-2008	17:47:54	5237338,000	36,000	0,060	60,000	216,000
10-02-2008	17:57:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	18:07:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	18:17:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	18:27:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	18:37:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	18:47:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	18:57:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	19:07:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	19:17:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	19:27:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	19:37:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	19:47:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	19:57:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	20:07:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	20:17:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	20:27:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	20:37:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	20:47:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	20:57:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	21:07:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	21:17:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	21:27:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	21:37:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	21:47:54	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	21:57:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	22:07:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	22:17:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	22:27:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	22:37:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	22:47:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	22:57:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	23:07:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	23:17:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	23:27:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	23:37:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	23:47:55	5237338,000	0,000	0,000	0,000	0,000
10-02-2008	23:57:55	5237338,000	0,000	0,000	0,000	0,000
11-02-2008	00:00:13	5237338,000	0,000	0,000	0,000	0,000

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	5237338,000				
11-02-2008	00:07:55	5237338,000	0,000	0,000	0,000	0,000
11-02-2008	00:17:55	5237370,000	32,000	0,053	53,333	192,000
11-02-2008	00:27:55	5237531,000	161,000	0,268	268,333	966,000
11-02-2008	00:37:55	5237694,000	163,000	0,272	271,667	978,000
11-02-2008	00:47:55	5237854,000	160,000	0,267	266,667	960,000
11-02-2008	00:57:55	5238015,000	161,000	0,268	268,333	966,000
11-02-2008	01:07:55	5238176,000	161,000	0,268	268,333	966,000
11-02-2008	01:17:55	5238336,000	160,000	0,267	266,667	960,000
11-02-2008	01:27:55	5238353,000	17,000	0,028	28,333	102,000
11-02-2008	01:37:55	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	01:47:55	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	01:57:55	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	02:07:55	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	02:17:55	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	02:27:56	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	02:37:56	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	02:47:56	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	02:57:56	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	03:07:56	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	03:17:56	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	03:27:56	5238353,000	0,000	0,000	0,000	0,000
11-02-2008	03:37:56	5238377,000	24,000	0,040	40,000	144,000
11-02-2008	03:47:56	5238543,000	166,000	0,277	276,667	996,000
11-02-2008	03:57:56	5238712,000	169,000	0,282	281,667	1014,000
11-02-2008	04:07:56	5238878,000	166,000	0,277	276,667	996,000
11-02-2008	04:17:56	5239045,000	167,000	0,278	278,333	1002,000
11-02-2008	04:27:56	5239212,000	167,000	0,278	278,333	1002,000
11-02-2008	04:37:56	5239383,000	171,000	0,285	285,000	1026,000
11-02-2008	04:47:56	5239550,000	167,000	0,278	278,333	1002,000
11-02-2008	04:57:56	5239718,000	168,000	0,280	280,000	1008,000
11-02-2008	05:07:56	5239886,000	168,000	0,280	280,000	1008,000
11-02-2008	05:17:56	5240055,000	169,000	0,282	281,667	1014,000
11-02-2008	05:27:56	5240227,000	172,000	0,287	286,667	1032,000
11-02-2008	05:37:56	5240397,000	170,000	0,283	283,333	1020,000
11-02-2008	05:47:56	5240566,000	169,000	0,282	281,667	1014,000
11-02-2008	05:57:56	5240736,000	170,000	0,283	283,333	1020,000
11-02-2008	06:07:56	5240908,000	172,000	0,287	286,667	1032,000
11-02-2008	06:17:56	5241083,000	175,000	0,292	291,667	1050,000
11-02-2008	06:27:56	5241254,000	171,000	0,285	285,000	1026,000
11-02-2008	06:37:56	5241426,000	172,000	0,287	286,667	1032,000
11-02-2008	06:47:56	5241599,000	173,000	0,288	288,333	1038,000
11-02-2008	06:57:56	5241772,000	173,000	0,288	288,333	1038,000
11-02-2008	07:07:56	5241950,000	178,000	0,297	296,667	1068,000
11-02-2008	07:17:56	5242124,000	174,000	0,290	290,000	1044,000
11-02-2008	07:27:56	5242298,000	174,000	0,290	290,000	1044,000
11-02-2008	07:37:57	5242473,000	175,000	0,292	291,667	1050,000
11-02-2008	07:47:57	5242652,000	179,000	0,298	298,333	1074,000
11-02-2008	07:57:57	5242672,000	20,000	0,033	33,333	120,000
11-02-2008	08:07:57	5242755,000	83,000	0,138	138,333	498,000

11-02-2008	08:17:57	5242931,000	176,000	0,293	293,333	1056,000
11-02-2008	08:27:57	5243108,000	177,000	0,295	295,000	1062,000
11-02-2008	08:37:57	5243287,000	179,000	0,298	298,333	1074,000
11-02-2008	08:47:57	5243550,000	263,000	0,438	438,333	1578,000
11-02-2008	08:57:57	5243866,000	316,000	0,527	526,667	1896,000
11-02-2008	09:07:57	5244182,000	316,000	0,527	526,667	1896,000
11-02-2008	09:17:57	5244497,000	315,000	0,525	525,000	1890,000
11-02-2008	09:27:57	5244572,000	75,000	0,125	125,000	450,000
11-02-2008	09:37:57	5244768,000	196,000	0,327	326,667	1176,000
11-02-2008	09:47:57	5245083,000	315,000	0,525	525,000	1890,000
11-02-2008	09:57:57	5245397,000	314,000	0,523	523,333	1884,000
11-02-2008	10:07:57	5245710,000	313,000	0,522	521,667	1878,000
11-02-2008	10:17:57	5246026,000	316,000	0,527	526,667	1896,000
11-02-2008	10:27:57	5246335,000	309,000	0,515	515,000	1854,000
11-02-2008	10:37:57	5246643,000	308,000	0,513	513,333	1848,000
11-02-2008	10:47:57	5246949,000	306,000	0,510	510,000	1836,000
11-02-2008	10:57:57	5247257,000	308,000	0,513	513,333	1848,000
11-02-2008	11:07:57	5247566,000	309,000	0,515	515,000	1854,000
11-02-2008	11:17:57	5247868,000	302,000	0,503	503,333	1812,000
11-02-2008	11:27:57	5248169,000	301,000	0,502	501,667	1806,000
11-02-2008	11:37:57	5248468,000	299,000	0,498	498,333	1794,000
11-02-2008	11:47:57	5248766,000	298,000	0,497	496,667	1788,000
11-02-2008	11:57:57	5249068,000	302,000	0,503	503,333	1812,000
11-02-2008	12:07:57	5249365,000	297,000	0,495	495,000	1782,000
11-02-2008	12:17:57	5249656,000	291,000	0,485	485,000	1746,000
11-02-2008	12:27:57	5249946,000	290,000	0,483	483,333	1740,000
11-02-2008	12:37:57	5250241,000	295,000	0,492	491,667	1770,000
11-02-2008	12:47:57	5250530,000	289,000	0,482	481,667	1734,000
11-02-2008	12:57:57	5250819,000	289,000	0,482	481,667	1734,000
11-02-2008	13:07:57	5251107,000	288,000	0,480	480,000	1728,000
11-02-2008	13:17:57	5251395,000	288,000	0,480	480,000	1728,000
11-02-2008	13:27:57	5251689,000	294,000	0,490	490,000	1764,000
11-02-2008	13:37:57	5251976,000	287,000	0,478	478,333	1722,000
11-02-2008	13:47:57	5252263,000	287,000	0,478	478,333	1722,000
11-02-2008	13:57:57	5252550,000	287,000	0,478	478,333	1722,000
11-02-2008	14:07:58	5252838,000	288,000	0,480	480,000	1728,000
11-02-2008	14:17:58	5253132,000	294,000	0,490	490,000	1764,000
11-02-2008	14:27:58	5253421,000	289,000	0,482	481,667	1734,000
11-02-2008	14:37:58	5253711,000	290,000	0,483	483,333	1740,000
11-02-2008	14:47:58	5254001,000	290,000	0,483	483,333	1740,000
11-02-2008	14:57:58	5254292,000	291,000	0,485	485,000	1746,000
11-02-2008	15:07:58	5254592,000	300,000	0,500	500,000	1800,000
11-02-2008	15:17:58	5254885,000	293,000	0,488	488,333	1758,000
11-02-2008	15:27:58	5255178,000	293,000	0,488	488,333	1758,000
11-02-2008	15:37:58	5255472,000	294,000	0,490	490,000	1764,000
11-02-2008	15:47:58	5255766,000	294,000	0,490	490,000	1764,000
11-02-2008	15:57:58	5256066,000	300,000	0,500	500,000	1800,000
11-02-2008	16:07:58	5256362,000	296,000	0,493	493,333	1776,000
11-02-2008	16:17:58	5256608,000	246,000	0,410	410,000	1476,000
11-02-2008	16:27:58	5256773,000	165,000	0,275	275,000	990,000
11-02-2008	16:37:58	5256943,000	170,000	0,283	283,333	1020,000
11-02-2008	16:47:58	5257109,000	166,000	0,277	276,667	996,000
11-02-2008	16:57:58	5257275,000	166,000	0,277	276,667	996,000
11-02-2008	17:07:58	5257442,000	167,000	0,278	278,333	1002,000
11-02-2008	17:17:58	5257609,000	167,000	0,278	278,333	1002,000

11-02-2008	17:27:58	5257779,000	170,000	0,283	283,333	1020,000
11-02-2008	17:37:58	5257946,000	167,000	0,278	278,333	1002,000
11-02-2008	17:47:58	5258114,000	168,000	0,280	280,000	1008,000
11-02-2008	17:57:58	5258149,000	35,000	0,058	58,333	210,000
11-02-2008	18:07:58	5258149,000	0,000	0,000	0,000	0,000
11-02-2008	18:17:58	5258149,000	0,000	0,000	0,000	0,000
11-02-2008	18:27:58	5258198,000	49,000	0,082	81,667	294,000
11-02-2008	18:37:58	5258506,000	308,000	0,513	513,333	1848,000
11-02-2008	18:50:08	5258879,000	373,000	0,511	510,959	1839,452
11-02-2008	19:00:08	5259183,000	304,000	0,507	506,667	1824,000
11-02-2008	19:10:08	5259486,000	303,000	0,505	505,000	1818,000
11-02-2008	19:20:08	5259794,000	308,000	0,513	513,333	1848,000
11-02-2008	19:30:08	5260094,000	300,000	0,500	500,000	1800,000
11-02-2008	19:40:35	5260404,000	310,000	0,517	516,667	1860,000
11-02-2008	19:51:37	5260736,000	332,000	0,502	501,511	1805,438
11-02-2008	20:01:37	5261030,000	294,000	0,490	490,000	1764,000
11-02-2008	20:11:37	5261323,000	293,000	0,488	488,333	1758,000
11-02-2008	20:21:37	5261613,000	290,000	0,483	483,333	1740,000
11-02-2008	20:31:37	5261903,000	290,000	0,483	483,333	1740,000
11-02-2008	20:41:37	5262198,000	295,000	0,492	491,667	1770,000
11-02-2008	20:51:37	5262484,000	286,000	0,477	476,667	1716,000
11-02-2008	21:01:37	5262769,000	285,000	0,475	475,000	1710,000
11-02-2008	21:11:37	5263051,000	282,000	0,470	470,000	1692,000
11-02-2008	21:21:37	5263336,000	285,000	0,475	475,000	1710,000
11-02-2008	21:31:38	5263612,000	276,000	0,460	460,000	1656,000
11-02-2008	21:41:38	5263885,000	273,000	0,455	455,000	1638,000
11-02-2008	21:51:38	5264157,000	272,000	0,453	453,333	1632,000
11-02-2008	22:01:38	5264430,000	273,000	0,455	455,000	1638,000
11-02-2008	22:11:38	5264707,000	277,000	0,462	461,667	1662,000
11-02-2008	22:21:38	5264906,000	199,000	0,332	331,667	1194,000
11-02-2008	22:31:38	5265056,000	150,000	0,250	250,000	900,000
11-02-2008	22:41:38	5265206,000	150,000	0,250	250,000	900,000
11-02-2008	22:51:38	5265355,000	149,000	0,248	248,333	894,000
11-02-2008	23:01:38	5265507,000	152,000	0,253	253,333	912,000
11-02-2008	23:11:38	5265611,000	104,000	0,173	173,333	624,000
11-02-2008	23:21:38	5265611,000	0,000	0,000	0,000	0,000
11-02-2008	23:31:38	5265611,000	0,000	0,000	0,000	0,000
11-02-2008	23:41:38	5265611,000	0,000	0,000	0,000	0,000
11-02-2008	23:51:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	00:00:04	5265611,000	0,000	0,000	0,000	0,000

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	5265611,000				
12-02-2008	00:01:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	00:11:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	00:21:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	00:31:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	00:41:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	00:51:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	01:01:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	01:11:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	01:21:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	01:31:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	01:41:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	01:51:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	02:01:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	02:11:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	02:21:38	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	02:31:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	02:41:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	02:51:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	03:01:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	03:11:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	03:21:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	03:31:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	03:41:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	03:51:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	04:01:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	04:11:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	04:21:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	04:31:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	04:41:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	04:51:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	05:01:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	05:11:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	05:21:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	05:31:39	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	05:41:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	05:51:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	06:01:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	06:11:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	06:21:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	06:31:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	06:41:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	06:51:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	07:01:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	07:11:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	07:21:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	07:31:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	07:41:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	07:51:40	5265611,000	0,000	0,000	0,000	0,000
12-02-2008	08:01:40	5265611,000	0,000	0,000	0,000	0,000

12-02-2008	08:11:40	5265714,000	103,000	0,172	171,667	618,000
12-02-2008	08:21:40	5265892,000	178,000	0,297	296,667	1068,000
12-02-2008	08:31:40	5266070,000	178,000	0,297	296,667	1068,000
12-02-2008	08:41:40	5266250,000	180,000	0,300	300,000	1080,000
12-02-2008	08:51:40	5266511,000	261,000	0,435	435,000	1566,000
12-02-2008	09:01:40	5266830,000	319,000	0,532	531,667	1914,000
12-02-2008	09:11:40	5267149,000	319,000	0,532	531,667	1914,000
12-02-2008	09:21:40	5267467,000	318,000	0,530	530,000	1908,000
12-02-2008	09:31:40	5267792,000	325,000	0,542	541,667	1950,000
12-02-2008	09:41:40	5268106,000	314,000	0,523	523,333	1884,000
12-02-2008	09:51:40	5268420,000	314,000	0,523	523,333	1884,000
12-02-2008	10:01:40	5268733,000	313,000	0,522	521,667	1878,000
12-02-2008	10:11:40	5269044,000	311,000	0,518	518,333	1866,000
12-02-2008	10:21:40	5269360,000	316,000	0,527	526,667	1896,000
12-02-2008	10:31:40	5269668,000	308,000	0,513	513,333	1848,000
12-02-2008	10:41:40	5269976,000	308,000	0,513	513,333	1848,000
12-02-2008	10:51:40	5270281,000	305,000	0,508	508,333	1830,000
12-02-2008	11:01:40	5270586,000	305,000	0,508	508,333	1830,000
12-02-2008	11:11:40	5270896,000	310,000	0,517	516,667	1860,000
12-02-2008	11:21:40	5271197,000	301,000	0,502	501,667	1806,000
12-02-2008	11:31:40	5271497,000	300,000	0,500	500,000	1800,000
12-02-2008	11:41:41	5271794,000	297,000	0,495	495,000	1782,000
12-02-2008	11:51:41	5272096,000	302,000	0,503	503,333	1812,000
12-02-2008	12:01:41	5272390,000	294,000	0,490	490,000	1764,000
12-02-2008	12:11:41	5272683,000	293,000	0,488	488,333	1758,000
12-02-2008	12:21:41	5272973,000	290,000	0,483	483,333	1740,000
12-02-2008	12:31:41	5273259,000	286,000	0,477	476,667	1716,000
12-02-2008	12:41:41	5273550,000	291,000	0,485	485,000	1746,000
12-02-2008	12:51:41	5273831,000	281,000	0,468	468,333	1686,000
12-02-2008	13:01:41	5274111,000	280,000	0,467	466,667	1680,000
12-02-2008	13:11:41	5274390,000	279,000	0,465	465,000	1674,000
12-02-2008	13:21:41	5274668,000	278,000	0,463	463,333	1668,000
12-02-2008	13:31:41	5274951,000	283,000	0,472	471,667	1698,000
12-02-2008	13:41:41	5275228,000	277,000	0,462	461,667	1662,000
12-02-2008	13:51:41	5275507,000	279,000	0,465	465,000	1674,000
12-02-2008	14:01:41	5275789,000	282,000	0,470	470,000	1692,000
12-02-2008	14:11:41	5276068,000	279,000	0,465	465,000	1674,000
12-02-2008	14:21:41	5276354,000	286,000	0,477	476,667	1716,000
12-02-2008	14:31:41	5276635,000	281,000	0,468	468,333	1686,000
12-02-2008	14:41:41	5276918,000	283,000	0,472	471,667	1698,000
12-02-2008	14:51:41	5277201,000	283,000	0,472	471,667	1698,000
12-02-2008	15:01:41	5277389,000	188,000	0,313	313,333	1128,000
12-02-2008	15:11:41	5277550,000	161,000	0,268	268,333	966,000
12-02-2008	15:21:41	5277711,000	161,000	0,268	268,333	966,000
12-02-2008	15:31:41	5277873,000	162,000	0,270	270,000	972,000
12-02-2008	15:41:41	5278035,000	162,000	0,270	270,000	972,000
12-02-2008	15:51:41	5278200,000	165,000	0,275	275,000	990,000
12-02-2008	16:01:41	5278362,000	162,000	0,270	270,000	972,000
12-02-2008	16:11:41	5278526,000	164,000	0,273	273,333	984,000
12-02-2008	16:21:41	5278689,000	163,000	0,272	271,667	978,000
12-02-2008	16:31:41	5278852,000	163,000	0,272	271,667	978,000
12-02-2008	16:41:41	5279018,000	166,000	0,277	276,667	996,000
12-02-2008	16:51:42	5279182,000	164,000	0,273	273,333	984,000
12-02-2008	17:01:42	5279346,000	164,000	0,273	273,333	984,000
12-02-2008	17:11:42	5279513,000	167,000	0,278	278,333	1002,000

12-02-2008	17:21:42	5279678,000	165,000	0,275	275,000	990,000
12-02-2008	17:31:42	5279846,000	168,000	0,280	280,000	1008,000
12-02-2008	17:41:42	5280011,000	165,000	0,275	275,000	990,000
12-02-2008	17:51:42	5280177,000	166,000	0,277	276,667	996,000
12-02-2008	18:01:42	5280343,000	166,000	0,277	276,667	996,000
12-02-2008	18:11:42	5280511,000	168,000	0,280	280,000	1008,000
12-02-2008	18:21:42	5280677,000	166,000	0,277	276,667	996,000
12-02-2008	18:31:42	5280845,000	168,000	0,280	280,000	1008,000
12-02-2008	18:41:42	5281013,000	168,000	0,280	280,000	1008,000
12-02-2008	18:51:42	5281180,000	167,000	0,278	278,333	1002,000
12-02-2008	19:01:42	5281348,000	168,000	0,280	280,000	1008,000
12-02-2008	19:11:42	5281513,000	165,000	0,275	275,000	990,000
12-02-2008	19:21:42	5281677,000	164,000	0,273	273,333	984,000
12-02-2008	19:31:42	5281842,000	165,000	0,275	275,000	990,000
12-02-2008	19:41:42	5282005,000	163,000	0,272	271,667	978,000
12-02-2008	19:51:42	5282171,000	166,000	0,277	276,667	996,000
12-02-2008	20:01:42	5282335,000	164,000	0,273	273,333	984,000
12-02-2008	20:11:42	5282496,000	161,000	0,268	268,333	966,000
12-02-2008	20:21:42	5282656,000	160,000	0,267	266,667	960,000
12-02-2008	20:31:42	5282944,000	288,000	0,480	480,000	1728,000
12-02-2008	20:41:42	5283229,000	285,000	0,475	475,000	1710,000
12-02-2008	20:51:42	5283513,000	284,000	0,473	473,333	1704,000
12-02-2008	21:01:42	5283793,000	280,000	0,467	466,667	1680,000
12-02-2008	21:11:42	5284070,000	277,000	0,462	461,667	1662,000
12-02-2008	21:21:42	5284343,000	273,000	0,455	455,000	1638,000
12-02-2008	21:31:43	5284622,000	279,000	0,465	465,000	1674,000
12-02-2008	21:41:43	5284893,000	271,000	0,452	451,667	1626,000
12-02-2008	21:51:43	5285164,000	271,000	0,452	451,667	1626,000
12-02-2008	22:01:43	5285434,000	270,000	0,450	450,000	1620,000
12-02-2008	22:11:43	5285708,000	274,000	0,457	456,667	1644,000
12-02-2008	22:21:43	5285977,000	269,000	0,448	448,333	1614,000
12-02-2008	22:31:43	5286248,000	271,000	0,452	451,667	1626,000
12-02-2008	22:41:43	5286520,000	272,000	0,453	453,333	1632,000
12-02-2008	22:51:43	5286793,000	273,000	0,455	455,000	1638,000
12-02-2008	23:01:43	5287074,000	281,000	0,468	468,333	1686,000
12-02-2008	23:11:43	5287348,000	274,000	0,457	456,667	1644,000
12-02-2008	23:21:43	5287622,000	274,000	0,457	456,667	1644,000
12-02-2008	23:31:43	5287898,000	276,000	0,460	460,000	1656,000
12-02-2008	23:41:43	5288078,000	180,000	0,300	300,000	1080,000
12-02-2008	23:51:43	5288238,000	160,000	0,267	266,667	960,000
13-02-2008	00:00:24	5288374,000	136,000	0,261	261,036	939,731

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	5288374,000				
13-02-2008	00:01:43	5288396,000	22,000	0,278	278,481	1002,532
13-02-2008	00:11:43	5288553,000	157,000	0,262	261,667	942,000
13-02-2008	00:21:43	5288711,000	158,000	0,263	263,333	948,000
13-02-2008	00:31:43	5288875,000	164,000	0,273	273,333	984,000
13-02-2008	00:41:43	5289034,000	159,000	0,265	265,000	954,000
13-02-2008	00:51:43	5289052,000	18,000	0,030	30,000	108,000
13-02-2008	01:01:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	01:11:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	01:21:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	01:31:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	01:41:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	01:51:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	02:01:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	02:11:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	02:21:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	02:31:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	02:41:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	02:51:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	03:01:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	03:11:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	03:21:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	03:31:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	03:41:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	03:51:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	04:01:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	04:11:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	04:21:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	04:31:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	04:41:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	04:51:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	05:01:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	05:11:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	05:21:43	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	05:31:44	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	05:41:44	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	05:51:44	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	06:01:44	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	06:11:44	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	06:21:44	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	06:31:44	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	06:41:44	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	06:51:44	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	07:01:44	5289052,000	0,000	0,000	0,000	0,000
13-02-2008	07:11:44	5289169,000	117,000	0,195	195,000	702,000
13-02-2008	07:21:44	5289347,000	178,000	0,297	296,667	1068,000
13-02-2008	07:31:44	5289524,000	177,000	0,295	295,000	1062,000
13-02-2008	07:41:44	5289705,000	181,000	0,302	301,667	1086,000
13-02-2008	07:51:44	5289881,000	176,000	0,293	293,333	1056,000
13-02-2008	08:01:44	5290058,000	177,000	0,295	295,000	1062,000

13-02-2008	08:11:44	5290233,000	175,000	0,292	291,667	1050,000
13-02-2008	08:21:44	5290408,000	175,000	0,292	291,667	1050,000
13-02-2008	08:31:44	5290585,000	177,000	0,295	295,000	1062,000
13-02-2008	08:41:44	5290759,000	174,000	0,290	290,000	1044,000
13-02-2008	08:51:44	5291043,000	284,000	0,473	473,333	1704,000
13-02-2008	09:01:44	5291360,000	317,000	0,528	528,333	1902,000
13-02-2008	09:11:44	5291678,000	318,000	0,530	530,000	1908,000
13-02-2008	09:21:44	5291991,000	313,000	0,522	521,667	1878,000
13-02-2008	09:31:44	5292303,000	312,000	0,520	520,000	1872,000
13-02-2008	09:41:44	5292616,000	313,000	0,522	521,667	1878,000
13-02-2008	09:51:44	5292926,000	310,000	0,517	516,667	1860,000
13-02-2008	10:01:44	5293241,000	315,000	0,525	525,000	1890,000
13-02-2008	10:11:44	5293549,000	308,000	0,513	513,333	1848,000
13-02-2008	10:21:44	5293858,000	309,000	0,515	515,000	1854,000
13-02-2008	10:31:44	5294164,000	306,000	0,510	510,000	1836,000
13-02-2008	10:41:44	5294470,000	306,000	0,510	510,000	1836,000
13-02-2008	10:51:45	5294780,000	310,000	0,517	516,667	1860,000
13-02-2008	11:01:45	5295084,000	304,000	0,507	506,667	1824,000
13-02-2008	11:11:45	5295386,000	302,000	0,503	503,333	1812,000
13-02-2008	11:21:45	5295687,000	301,000	0,502	501,667	1806,000
13-02-2008	11:31:45	5295995,000	308,000	0,513	513,333	1848,000
13-02-2008	11:41:45	5296295,000	300,000	0,500	500,000	1800,000
13-02-2008	11:51:45	5296593,000	298,000	0,497	496,667	1788,000
13-02-2008	12:01:45	5296890,000	297,000	0,495	495,000	1782,000
13-02-2008	12:11:45	5297185,000	295,000	0,492	491,667	1770,000
13-02-2008	12:22:05	5297491,000	306,000	0,494	493,548	1776,774
13-02-2008	12:32:49	5297802,000	311,000	0,518	518,333	1866,000
13-02-2008	12:42:50	5298089,000	287,000	0,478	478,333	1722,000
13-02-2008	12:52:50	5298377,000	288,000	0,480	480,000	1728,000
13-02-2008	13:02:50	5298671,000	294,000	0,490	490,000	1764,000
13-02-2008	13:12:50	5298958,000	287,000	0,478	478,333	1722,000
13-02-2008	13:22:50	5299244,000	286,000	0,477	476,667	1716,000
13-02-2008	13:32:50	5299531,000	287,000	0,478	478,333	1722,000
13-02-2008	13:42:50	5299781,000	250,000	0,417	416,667	1500,000
13-02-2008	13:52:50	5299938,000	157,000	0,262	261,667	942,000
13-02-2008	14:02:50	5299988,000	50,000	0,083	83,333	300,000
13-02-2008	14:12:50	5299988,000	0,000	0,000	0,000	0,000
13-02-2008	14:22:50	5299988,000	0,000	0,000	0,000	0,000
13-02-2008	14:32:50	5299988,000	0,000	0,000	0,000	0,000
13-02-2008	14:42:50	5299988,000	0,000	0,000	0,000	0,000
13-02-2008	14:52:50	5300099,000	111,000	0,185	185,000	666,000
13-02-2008	15:02:50	5300258,000	159,000	0,265	265,000	954,000
13-02-2008	15:12:50	5300418,000	160,000	0,267	266,667	960,000
13-02-2008	15:22:50	5300580,000	162,000	0,270	270,000	972,000
13-02-2008	15:32:50	5300740,000	160,000	0,267	266,667	960,000
13-02-2008	15:42:50	5300900,000	160,000	0,267	266,667	960,000
13-02-2008	15:52:50	5301063,000	163,000	0,272	271,667	978,000
13-02-2008	16:02:50	5301224,000	161,000	0,268	268,333	966,000
13-02-2008	16:12:50	5301389,000	165,000	0,275	275,000	990,000
13-02-2008	16:22:50	5301552,000	163,000	0,272	271,667	978,000
13-02-2008	16:32:50	5301716,000	164,000	0,273	273,333	984,000
13-02-2008	16:42:50	5301880,000	164,000	0,273	273,333	984,000
13-02-2008	16:52:50	5302044,000	164,000	0,273	273,333	984,000
13-02-2008	17:02:50	5302211,000	167,000	0,278	278,333	1002,000
13-02-2008	17:12:50	5302378,000	167,000	0,278	278,333	1002,000

13-02-2008	17:22:51	5302543,000	165,000	0,275	275,000	990,000
13-02-2008	17:32:51	5302709,000	166,000	0,277	276,667	996,000
13-02-2008	17:42:51	5302875,000	166,000	0,277	276,667	996,000
13-02-2008	17:52:51	5303045,000	170,000	0,283	283,333	1020,000
13-02-2008	18:02:51	5303212,000	167,000	0,278	278,333	1002,000
13-02-2008	18:12:51	5303380,000	168,000	0,280	280,000	1008,000
13-02-2008	18:22:51	5303548,000	168,000	0,280	280,000	1008,000
13-02-2008	18:32:51	5303720,000	172,000	0,287	286,667	1032,000
13-02-2008	18:42:51	5303907,000	187,000	0,312	311,667	1122,000
13-02-2008	18:52:51	5304219,000	312,000	0,520	520,000	1872,000
13-02-2008	19:02:51	5304528,000	309,000	0,515	515,000	1854,000
13-02-2008	19:12:51	5304835,000	307,000	0,512	511,667	1842,000
13-02-2008	19:22:51	5305147,000	312,000	0,520	520,000	1872,000
13-02-2008	19:32:51	5305453,000	306,000	0,510	510,000	1836,000
13-02-2008	19:42:51	5305757,000	304,000	0,507	506,667	1824,000
13-02-2008	19:52:51	5306060,000	303,000	0,505	505,000	1818,000
13-02-2008	20:02:51	5306362,000	302,000	0,503	503,333	1812,000
13-02-2008	20:12:51	5306669,000	307,000	0,512	511,667	1842,000
13-02-2008	20:22:51	5306967,000	298,000	0,497	496,667	1788,000
13-02-2008	20:32:51	5307265,000	298,000	0,497	496,667	1788,000
13-02-2008	20:42:51	5307561,000	296,000	0,493	493,333	1776,000
13-02-2008	20:52:51	5307855,000	294,000	0,490	490,000	1764,000
13-02-2008	21:02:51	5308154,000	299,000	0,498	498,333	1794,000
13-02-2008	21:12:51	5308445,000	291,000	0,485	485,000	1746,000
13-02-2008	21:22:51	5308737,000	292,000	0,487	486,667	1752,000
13-02-2008	21:32:51	5309026,000	289,000	0,482	481,667	1734,000
13-02-2008	21:42:51	5309312,000	286,000	0,477	476,667	1716,000
13-02-2008	21:52:51	5309606,000	294,000	0,490	490,000	1764,000
13-02-2008	22:02:51	5309892,000	286,000	0,477	476,667	1716,000
13-02-2008	22:12:51	5310177,000	285,000	0,475	475,000	1710,000
13-02-2008	22:22:51	5310462,000	285,000	0,475	475,000	1710,000
13-02-2008	22:32:52	5310751,000	289,000	0,482	481,667	1734,000
13-02-2008	22:42:52	5311036,000	285,000	0,475	475,000	1710,000
13-02-2008	22:52:52	5311320,000	284,000	0,473	473,333	1704,000
13-02-2008	23:02:52	5311604,000	284,000	0,473	473,333	1704,000
13-02-2008	23:12:52	5311887,000	283,000	0,472	471,667	1698,000
13-02-2008	23:22:52	5312177,000	290,000	0,483	483,333	1740,000
13-02-2008	23:32:52	5312461,000	284,000	0,473	473,333	1704,000
13-02-2008	23:42:52	5312744,000	283,000	0,472	471,667	1698,000
13-02-2008	23:52:52	5313026,000	282,000	0,470	470,000	1692,000
14-02-2008	00:00:13	5313235,000	209,000	0,474	473,923	1706,122

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:14	5313235,000				
14-02-2008	00:02:52	5313309,000	74,000	0,468	468,354	1686,076
14-02-2008	00:12:52	5313595,000	286,000	0,477	476,667	1716,000
14-02-2008	00:22:52	5313878,000	283,000	0,472	471,667	1698,000
14-02-2008	00:32:52	5314066,000	188,000	0,313	313,333	1128,000
14-02-2008	00:42:52	5314226,000	160,000	0,267	266,667	960,000
14-02-2008	00:52:52	5314387,000	161,000	0,268	268,333	966,000
14-02-2008	01:02:52	5314553,000	166,000	0,277	276,667	996,000
14-02-2008	01:12:52	5314659,000	106,000	0,177	176,667	636,000
14-02-2008	01:22:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	01:32:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	01:42:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	01:52:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	02:02:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	02:12:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	02:22:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	02:32:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	02:42:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	02:52:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	03:02:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	03:12:53	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	03:22:54	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	03:32:54	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	03:42:54	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	03:52:54	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	04:02:54	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	04:12:54	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	04:22:54	5314659,000	0,000	0,000	0,000	0,000
14-02-2008	04:32:54	5314814,000	155,000	0,258	258,333	930,000
14-02-2008	04:42:54	5315130,000	316,000	0,527	526,667	1896,000
14-02-2008	04:52:54	5315183,000	53,000	0,088	88,333	318,000
14-02-2008	05:02:54	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	05:12:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	05:22:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	05:32:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	05:42:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	05:52:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	06:02:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	06:12:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	06:22:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	06:32:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	06:42:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	06:52:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	07:02:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	07:12:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	07:22:55	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	07:32:56	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	07:42:56	5315183,000	0,000	0,000	0,000	0,000

14-02-2008	07:52:56	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	08:02:56	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	08:12:56	5315183,000	0,000	0,000	0,000	0,000
14-02-2008	08:22:56	5315414,000	231,000	0,385	385,000	1386,000
14-02-2008	08:32:56	5315737,000	323,000	0,538	538,333	1938,000
14-02-2008	08:42:56	5316054,000	317,000	0,528	528,333	1902,000
14-02-2008	08:52:56	5316371,000	317,000	0,528	528,333	1902,000
14-02-2008	09:02:56	5316687,000	316,000	0,527	526,667	1896,000
14-02-2008	09:12:56	5317002,000	315,000	0,525	525,000	1890,000
14-02-2008	09:22:56	5317325,000	323,000	0,538	538,333	1938,000
14-02-2008	09:32:56	5317638,000	313,000	0,522	521,667	1878,000
14-02-2008	09:42:56	5317951,000	313,000	0,522	521,667	1878,000
14-02-2008	09:52:56	5318265,000	314,000	0,523	523,333	1884,000
14-02-2008	10:02:56	5318577,000	312,000	0,520	520,000	1872,000
14-02-2008	10:12:56	5318893,000	316,000	0,527	526,667	1896,000
14-02-2008	10:22:56	5319203,000	310,000	0,517	516,667	1860,000
14-02-2008	10:32:56	5319512,000	309,000	0,515	515,000	1854,000
14-02-2008	10:42:56	5319819,000	307,000	0,512	511,667	1842,000
14-02-2008	10:52:56	5320133,000	314,000	0,523	523,333	1884,000
14-02-2008	11:02:56	5320438,000	305,000	0,508	508,333	1830,000
14-02-2008	11:12:56	5320741,000	303,000	0,505	505,000	1818,000
14-02-2008	11:22:56	5321043,000	302,000	0,503	503,333	1812,000
14-02-2008	11:32:56	5321344,000	301,000	0,502	501,667	1806,000
14-02-2008	11:42:56	5321649,000	305,000	0,508	508,333	1830,000
14-02-2008	11:52:56	5321947,000	298,000	0,497	496,667	1788,000
14-02-2008	12:02:56	5322246,000	299,000	0,498	498,333	1794,000
14-02-2008	12:12:56	5322540,000	294,000	0,490	490,000	1764,000
14-02-2008	12:22:56	5322831,000	291,000	0,485	485,000	1746,000
14-02-2008	12:32:56	5323124,000	293,000	0,488	488,333	1758,000
14-02-2008	12:42:56	5323411,000	287,000	0,478	478,333	1722,000
14-02-2008	12:52:57	5323696,000	285,000	0,475	475,000	1710,000
14-02-2008	13:02:57	5323980,000	284,000	0,473	473,333	1704,000
14-02-2008	13:12:57	5324263,000	283,000	0,472	471,667	1698,000
14-02-2008	13:22:57	5324553,000	290,000	0,483	483,333	1740,000
14-02-2008	13:32:57	5324836,000	283,000	0,472	471,667	1698,000
14-02-2008	13:42:57	5325119,000	283,000	0,472	471,667	1698,000
14-02-2008	13:52:57	5325401,000	282,000	0,470	470,000	1692,000
14-02-2008	14:02:57	5325684,000	283,000	0,472	471,667	1698,000
14-02-2008	14:12:57	5325970,000	286,000	0,477	476,667	1716,000
14-02-2008	14:22:57	5326252,000	282,000	0,470	470,000	1692,000
14-02-2008	14:32:57	5326534,000	282,000	0,470	470,000	1692,000
14-02-2008	14:42:57	5326815,000	281,000	0,468	468,333	1686,000
14-02-2008	14:52:57	5327096,000	281,000	0,468	468,333	1686,000
14-02-2008	15:02:57	5327384,000	288,000	0,480	480,000	1728,000
14-02-2008	15:12:57	5327667,000	283,000	0,472	471,667	1698,000
14-02-2008	15:22:57	5327950,000	283,000	0,472	471,667	1698,000
14-02-2008	15:32:57	5328234,000	284,000	0,473	473,333	1704,000
14-02-2008	15:42:57	5328519,000	285,000	0,475	475,000	1710,000
14-02-2008	15:52:57	5328810,000	291,000	0,485	485,000	1746,000
14-02-2008	16:02:57	5329097,000	287,000	0,478	478,333	1722,000
14-02-2008	16:12:57	5329385,000	288,000	0,480	480,000	1728,000
14-02-2008	16:22:57	5329676,000	291,000	0,485	485,000	1746,000
14-02-2008	16:32:57	5329965,000	289,000	0,482	481,667	1734,000
14-02-2008	16:42:57	5330260,000	295,000	0,492	491,667	1770,000
14-02-2008	16:52:57	5330551,000	291,000	0,485	485,000	1746,000

14-02-2008	17:02:57	5330843,000	292,000	0,487	486,667	1752,000
14-02-2008	17:12:57	5331136,000	293,000	0,488	488,333	1758,000
14-02-2008	17:22:57	5331437,000	301,000	0,502	501,667	1806,000
14-02-2008	17:32:57	5331731,000	294,000	0,490	490,000	1764,000
14-02-2008	17:42:57	5332026,000	295,000	0,492	491,667	1770,000
14-02-2008	17:52:57	5332322,000	296,000	0,493	493,333	1776,000
14-02-2008	18:02:57	5332619,000	297,000	0,495	495,000	1782,000
14-02-2008	18:12:57	5332921,000	302,000	0,503	503,333	1812,000
14-02-2008	18:22:57	5333218,000	297,000	0,495	495,000	1782,000
14-02-2008	18:32:57	5333519,000	301,000	0,502	501,667	1806,000
14-02-2008	18:42:58	5333820,000	301,000	0,502	501,667	1806,000
14-02-2008	18:52:58	5334119,000	299,000	0,498	498,333	1794,000
14-02-2008	19:02:58	5334425,000	306,000	0,510	510,000	1836,000
14-02-2008	19:12:58	5334721,000	296,000	0,493	493,333	1776,000
14-02-2008	19:22:58	5335016,000	295,000	0,492	491,667	1770,000
14-02-2008	19:32:58	5335311,000	295,000	0,492	491,667	1770,000
14-02-2008	19:42:58	5335603,000	292,000	0,487	486,667	1752,000
14-02-2008	19:52:58	5335900,000	297,000	0,495	495,000	1782,000
14-02-2008	20:02:58	5336190,000	290,000	0,483	483,333	1740,000
14-02-2008	20:12:58	5336477,000	287,000	0,478	478,333	1722,000
14-02-2008	20:22:58	5336763,000	286,000	0,477	476,667	1716,000
14-02-2008	20:32:58	5337051,000	288,000	0,480	480,000	1728,000
14-02-2008	20:42:58	5337339,000	288,000	0,480	480,000	1728,000
14-02-2008	20:52:58	5337622,000	283,000	0,472	471,667	1698,000
14-02-2008	21:02:58	5337903,000	281,000	0,468	468,333	1686,000
14-02-2008	21:12:58	5338181,000	278,000	0,463	463,333	1668,000
14-02-2008	21:22:58	5338457,000	276,000	0,460	460,000	1656,000
14-02-2008	21:32:58	5338737,000	280,000	0,467	466,667	1680,000
14-02-2008	21:42:58	5339010,000	273,000	0,455	455,000	1638,000
14-02-2008	21:52:58	5339283,000	273,000	0,455	455,000	1638,000
14-02-2008	22:02:58	5339557,000	274,000	0,457	456,667	1644,000
14-02-2008	22:12:58	5339828,000	271,000	0,452	451,667	1626,000
14-02-2008	22:22:58	5340103,000	275,000	0,458	458,333	1650,000
14-02-2008	22:32:58	5340375,000	272,000	0,453	453,333	1632,000
14-02-2008	22:42:58	5340646,000	271,000	0,452	451,667	1626,000
14-02-2008	22:52:58	5340917,000	271,000	0,452	451,667	1626,000
14-02-2008	23:02:58	5341195,000	278,000	0,463	463,333	1668,000
14-02-2008	23:12:58	5341465,000	270,000	0,450	450,000	1620,000
14-02-2008	23:22:58	5341735,000	270,000	0,450	450,000	1620,000
14-02-2008	23:32:58	5342005,000	270,000	0,450	450,000	1620,000
14-02-2008	23:42:58	5342274,000	269,000	0,448	448,333	1614,000
14-02-2008	23:52:59	5342549,000	275,000	0,458	458,333	1650,000
15-02-2008	00:00:02	5342738,000	189,000	0,447	446,809	1608,511

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	Caudais Médios m3/h	Caudal Médio Horário
Hora	**Caudal (m3/h)**							
00:00-00:10	0,000	0,000	0,000	0,000	942,000	1716,000	443,000	429,500
00:10-00:20	0,000	0,000	192,000	0,000	948,000	1698,000	473,000	
00:20-00:30	0,000	0,000	966,000	0,000	984,000	1128,000	513,000	
00:30-00:40	0,000	0,000	978,000	0,000	954,000	960,000	482,000	
00:40-00:50	0,000	0,000	960,000	0,000	108,000	966,000	339,000	
00:50-01:00	0,000	0,000	966,000	0,000	0,000	996,000	327,000	
01:00-01:10	0,000	0,000	966,000	0,000	0,000	636,000	267,000	74,000
01:10-01:20	0,000	0,000	960,000	0,000	0,000	0,000	160,000	
01:20-01:30	0,000	0,000	102,000	0,000	0,000	0,000	17,000	
01:30-01:40	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
01:40-01:50	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
01:50-02:00	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
02:00-02:10	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
02:10-02:20	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
02:20-02:30	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
02:30-02:40	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
02:40-02:50	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
02:50-03:00	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
03:00-03:10	0,000	0,000	0,000	0,000	0,000	0,000	0,000	59,833
03:10-03:20	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
03:20-03:30	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
03:30-03:40	0,000	0,000	144,000	0,000	0,000	0,000	24,000	
03:40-03:50	0,000	0,000	996,000	0,000	0,000	0,000	166,000	
03:50-04:00	0,000	0,000	1014,000	0,000	0,000	0,000	169,000	
04:00-04:10	0,000	0,000	996,000	0,000	0,000	0,000	166,000	255,000
04:10-04:20	0,000	0,000	1002,000	0,000	0,000	0,000	167,000	
04:20-04:30	0,000	0,000	1002,000	0,000	0,000	930,000	322,000	
04:30-04:40	0,000	0,000	1026,000	0,000	0,000	1896,000	487,000	
04:40-04:50	0,000	0,000	1002,000	0,000	0,000	318,000	220,000	
04:50-05:00	0,000	0,000	1008,000	0,000	0,000	0,000	168,000	
05:00-05:10	0,000	0,000	1008,000	0,000	0,000	0,000	168,000	169,667
05:10-05:20	0,000	0,000	1014,000	0,000	0,000	0,000	169,000	
05:20-05:30	0,000	0,000	1032,000	0,000	0,000	0,000	172,000	
05:30-05:40	0,000	0,000	1020,000	0,000	0,000	0,000	170,000	
05:40-05:50	0,000	0,000	1014,000	0,000	0,000	0,000	169,000	
05:50-06:00	0,000	0,000	1020,000	0,000	0,000	0,000	170,000	
06:00-06:10	0,000	0,000	1032,000	0,000	0,000	0,000	172,000	172,667
06:10-06:20	0,000	0,000	1050,000	0,000	0,000	0,000	175,000	
06:20-06:30	0,000	0,000	1026,000	0,000	0,000	0,000	171,000	
06:30-06:40	0,000	0,000	1032,000	0,000	0,000	0,000	172,000	
06:40-06:50	0,000	0,000	1038,000	0,000	0,000	0,000	173,000	
06:50-07:00	0,000	0,000	1038,000	0,000	0,000	0,000	173,000	
07:00-07:10	0,000	0,000	1068,000	0,000	702,000	0,000	295,000	393,333
07:10-07:20	0,000	0,000	1044,000	0,000	1068,000	0,000	352,000	
07:20-07:30	0,000	0,000	1044,000	0,000	1062,000	0,000	351,000	
07:30-07:40	0,000	0,000	1050,000	0,000	1086,000	0,000	356,000	
07:40-07:50	0,000	1356,000	1074,000	0,000	1056,000	0,000	581,000	
07:50-08:00	0,000	1368,000	120,000	0,000	1062,000	0,000	425,000	

08:00-08:10	0,000	222,000	498,000	618,000	1050,000	0,000	398,000	988,833
08:10-08:20	0,000	0,000	1056,000	1068,000	1050,000	1386,000	760,000	
08:20-08:30	600,000	0,000	1062,000	1068,000	1062,000	1938,000	955,000	
08:30-08:40	1038,000	0,000	1074,000	1080,000	1044,000	1902,000	1023,000	
08:40-08:50	1050,000	0,000	1578,000	1566,000	1704,000	1902,000	1300,000	
08:50-09:00	1032,000	342,000	1896,000	1914,000	1902,000	1896,000	1497,000	
09:00-09:10	1026,000	378,000	1896,000	1914,000	1908,000	1890,000	1502,000	1239,833
09:10-09:20	0,000	0,000	1890,000	1908,000	1878,000	1938,000	1269,000	
09:20-09:30	0,000	0,000	450,000	1950,000	1872,000	1878,000	1025,000	
09:30-09:40	0,000	0,000	1176,000	1884,000	1878,000	1878,000	1136,000	
09:40-09:50	0,000	0,000	1890,000	1884,000	1860,000	1884,000	1253,000	
09:50-10:00	0,000	0,000	1884,000	1878,000	1890,000	1872,000	1254,000	
10:00-10:10	0,000	0,000	1878,000	1866,000	1848,000	1896,000	1248,000	1236,167
10:10-10:20	0,000	0,000	1896,000	1896,000	1854,000	1860,000	1251,000	
10:20-10:30	0,000	0,000	1854,000	1848,000	1836,000	1854,000	1232,000	
10:30-10:40	0,000	0,000	1848,000	1848,000	1836,000	1842,000	1229,000	
10:40-10:50	0,000	0,000	1836,000	1830,000	1860,000	1884,000	1235,000	
10:50-11:00	0,000	0,000	1848,000	1830,000	1824,000	1830,000	1222,000	
11:00-11:10	0,000	0,000	1854,000	1860,000	1812,000	1818,000	1224,000	1247,333
11:10-11:20	0,000	0,000	1812,000	1806,000	1806,000	1812,000	1206,000	
11:20-11:30	0,000	0,000	1806,000	1800,000	1848,000	1806,000	1210,000	
11:30-11:40	0,000	0,000	1794,000	1782,000	1800,000	1830,000	1201,000	
11:40-11:50	0,000	438,000	1788,000	1812,000	1788,000	1788,000	1269,000	
11:50-12:00	120,000	972,000	1812,000	1764,000	1782,000	1794,000	1374,000	
12:00-12:10	978,000	990,000	1782,000	1758,000	1770,000	1764,000	1507,000	1542,522
12:10-12:20	990,000	966,000	1746,000	1740,000	1776,774	1746,000	1494,129	
12:20-12:30	966,000	966,000	1740,000	1716,000	1866,000	1758,000	1502,000	
12:30-12:40	1008,000	960,000	1770,000	1746,000	1722,000	1722,000	1488,000	
12:40-12:50	1758,000	954,000	1734,000	1686,000	1728,000	1710,000	1595,000	
12:50-13:00	1758,000	1374,000	1734,000	1680,000	1764,000	1704,000	1669,000	
13:00-13:10	1782,000	1746,000	1728,000	1674,000	1722,000	1698,000	1725,000	1650,167
13:10-13:20	1740,000	1716,000	1728,000	1668,000	1716,000	1740,000	1718,000	
13:20-13:30	1740,000	1704,000	1764,000	1698,000	1722,000	1698,000	1721,000	
13:30-13:40	1746,000	1704,000	1722,000	1662,000	1500,000	1698,000	1672,000	
13:40-13:50	1752,000	1722,000	1722,000	1674,000	942,000	1692,000	1584,000	
13:50-14:00	1782,000	1692,000	1722,000	1692,000	300,000	1698,000	1481,000	
14:00-14:10	1758,000	1686,000	1728,000	1674,000	0,000	1716,000	1427,000	1463,167
14:10-14:20	1764,000	1686,000	1764,000	1716,000	0,000	1692,000	1437,000	
14:20-14:30	1770,000	1716,000	1734,000	1686,000	0,000	1692,000	1433,000	
14:30-14:40	1812,000	1698,000	1740,000	1698,000	0,000	1686,000	1439,000	
14:40-14:50	1770,000	1680,000	1740,000	1698,000	666,000	1686,000	1540,000	
14:50-15:00	1782,000	1680,000	1746,000	1128,000	954,000	1728,000	1503,000	
15:00-15:10	1782,000	1674,000	1800,000	966,000	960,000	1698,000	1480,000	1482,667
15:10-15:20	1788,000	1704,000	1758,000	966,000	972,000	1698,000	1481,000	
15:20-15:30	1818,000	1668,000	1758,000	972,000	960,000	1704,000	1480,000	
15:30-15:40	1794,000	1668,000	1764,000	972,000	960,000	1710,000	1478,000	
15:40-15:50	1794,000	1662,000	1764,000	990,000	978,000	1746,000	1489,000	
15:50-16:00	1806,000	1662,000	1800,000	972,000	966,000	1722,000	1488,000	
16:00-16:10	1806,000	1662,000	1776,000	984,000	990,000	1728,000	1491,000	1301,167
16:10-16:20	1854,000	942,000	1476,000	978,000	978,000	1746,000	1329,000	
16:20-16:30	1818,000	942,000	990,000	978,000	984,000	1734,000	1241,000	
16:30-16:40	1818,000	936,000	1020,000	996,000	984,000	1770,000	1254,000	
16:40-16:50	1812,000	930,000	996,000	984,000	984,000	1746,000	1242,000	
16:50-17:00	1818,000	948,000	996,000	984,000	1002,000	1752,000	1250,000	

17:00-17:10	1860,000	936,000	1002,000	1002,000	1002,000	1758,000	1260,000	1192,167
17:10-17:20	1836,000	936,000	1002,000	990,000	990,000	1806,000	1260,000	
17:20-17:30	1830,000	930,000	1020,000	1008,000	996,000	1764,000	1258,000	
17:30-17:40	1854,000	930,000	1002,000	990,000	996,000	1770,000	1257,000	
17:40-17:50	1836,000	216,000	1008,000	996,000	1020,000	1776,000	1142,000	
17:50-18:00	1866,000	0,000	210,000	996,000	1002,000	1782,000	976,000	
18:00-18:10	1842,000	0,000	0,000	1008,000	1008,000	1812,000	945,000	1157,096
18:10-18:20	1848,000	0,000	0,000	996,000	1008,000	1782,000	939,000	
18:20-18:30	1848,000	0,000	294,000	1008,000	1032,000	1806,000	998,000	
18:30-18:40	1842,000	0,000	1848,000	1008,000	1122,000	1806,000	1271,000	
18:40-18:50	1884,000	0,000	1839,452	1002,000	1872,000	1794,000	1398,575	
18:50-19:00	1824,000	0,000	1824,000	1008,000	1854,000	1836,000	1391,000	
19:00-19:10	612,000	0,000	1818,000	990,000	1842,000	1776,000	1173,000	1083,984
19:10-19:20	0,000	0,000	1848,000	984,000	1872,000	1770,000	1079,000	
19:20-19:30	0,000	0,000	1800,000	990,000	1836,000	1770,000	1066,000	
19:30-19:40	0,000	0,000	1860,000	978,000	1824,000	1752,000	1069,000	
19:40-19:50	0,000	0,000	1805,438	996,000	1818,000	1782,000	1066,906	
19:50-20:00	0,000	0,000	1764,000	984,000	1812,000	1740,000	1050,000	
20:00-20:10	0,000	0,000	1758,000	966,000	1842,000	1722,000	1048,000	1117,000
20:10-20:20	0,000	0,000	1740,000	960,000	1788,000	1716,000	1034,000	
20:20-20:30	0,000	0,000	1740,000	1728,000	1788,000	1728,000	1164,000	
20:30-20:40	0,000	0,000	1770,000	1710,000	1776,000	1728,000	1164,000	
20:40-20:50	0,000	0,000	1716,000	1704,000	1764,000	1698,000	1147,000	
20:50-21:00	0,000	0,000	1710,000	1680,000	1794,000	1686,000	1145,000	
21:00-21:10	0,000	0,000	1692,000	1662,000	1746,000	1668,000	1128,000	1115,667
21:10-21:20	0,000	0,000	1710,000	1638,000	1752,000	1656,000	1126,000	
21:20-21:30	0,000	0,000	1656,000	1674,000	1734,000	1680,000	1124,000	
21:30-21:40	0,000	0,000	1638,000	1626,000	1716,000	1638,000	1103,000	
21:40-21:50	0,000	0,000	1632,000	1626,000	1764,000	1638,000	1110,000	
21:50-22:00	0,000	0,000	1638,000	1620,000	1716,000	1644,000	1103,000	
22:00-22:10	0,000	0,000	1662,000	1644,000	1710,000	1626,000	1107,000	1011,167
22:10-22:20	0,000	0,000	1194,000	1614,000	1710,000	1650,000	1028,000	
22:20-22:30	0,000	0,000	900,000	1626,000	1734,000	1632,000	982,000	
22:30-22:40	0,000	0,000	900,000	1632,000	1710,000	1626,000	978,000	
22:40-22:50	0,000	0,000	894,000	1638,000	1704,000	1626,000	977,000	
22:50-23:00	0,000	0,000	912,000	1686,000	1704,000	1668,000	995,000	
23:00-23:10	0,000	0,000	624,000	1644,000	1698,000	1620,000	931,000	792,177
23:10-23:20	0,000	0,000	0,000	1644,000	1740,000	1620,000	834,000	
23:20-23:30	0,000	0,000	0,000	1656,000	1704,000	1620,000	830,000	
23:30-23:40	0,000	0,000	0,000	1080,000	1698,000	1614,000	732,000	
23:40-23:50	0,000	0,000	0,000	960,000	1692,000	1650,000	717,000	
23:50-00:00	0,000	0,000	0,000	939,731	1706,122	1608,511	709,061	

Caudal Médio Diário = 882,296 m3/h

Caudais Médios *Lagoa - Seixo Alvo (saída de Lagoa)*
Caudal (m3/h)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
00:00-00:10
00:50-01:00
01:40-01:50
02:30-02:40
03:20-03:30
04:10-04:20
05:00-05:10
05:50-06:00
06:40-06:50
07:30-07:40
08:20-08:30
09:10-09:20
10:00-10:10
10:50-11:00
11:40-11:50
12:30-12:40
13:20-13:30
14:10-14:20
15:00-15:10
15:50-16:00
16:40-16:50
17:30-17:40
18:20-18:30
19:10-19:20
20:00-20:10
20:50-21:00
21:40-21:50
22:30-22:40
23:20-23:30
Hora

Caudais Médios Horários *Lagoa - Seixo Alvo (saída de Lagoa)*
Caudal (m3/h)
1800
1600
1400
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CAUDAIS

Lever Montante – Jovim DN1000 (saída de Lever Montante)

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	30103152,000				
09-02-2008	00:07:45	30103400,000	248,000	0,533	533,333	1920,000
09-02-2008	00:17:45	30103732,000	332,000	0,553	553,333	1992,000
09-02-2008	00:27:45	30104052,000	320,000	0,533	533,333	1920,000
09-02-2008	00:37:45	30104400,000	348,000	0,580	580,000	2088,000
09-02-2008	00:47:45	30104804,000	404,000	0,673	673,333	2424,000
09-02-2008	00:57:46	30105052,000	248,000	0,413	413,333	1488,000
09-02-2008	01:07:46	30105400,000	348,000	0,580	580,000	2088,000
09-02-2008	01:17:46	30105800,000	400,000	0,667	666,667	2400,000
09-02-2008	01:27:46	30106152,000	352,000	0,587	586,667	2112,000
09-02-2008	01:37:46	30106484,000	332,000	0,553	553,333	1992,000
09-02-2008	01:47:46	30106804,000	320,000	0,533	533,333	1920,000
09-02-2008	01:57:46	30107156,000	352,000	0,587	586,667	2112,000
09-02-2008	02:07:46	30107484,000	328,000	0,547	546,667	1968,000
09-02-2008	02:17:46	30107808,000	324,000	0,540	540,000	1944,000
09-02-2008	02:27:46	30108156,000	348,000	0,580	580,000	2088,000
09-02-2008	02:37:46	30108492,000	336,000	0,560	560,000	2016,000
09-02-2008	02:47:46	30108812,000	320,000	0,533	533,333	1920,000
09-02-2008	02:57:46	30109252,000	440,000	0,733	733,333	2640,000
09-02-2008	03:07:46	30109724,000	472,000	0,787	786,667	2832,000
09-02-2008	03:17:46	30110172,000	448,000	0,747	746,667	2688,000
09-02-2008	03:27:46	30110664,000	492,000	0,820	820,000	2952,000
09-02-2008	03:37:46	30111140,000	476,000	0,793	793,333	2856,000
09-02-2008	03:47:46	30111584,000	444,000	0,740	740,000	2664,000
09-02-2008	03:57:46	30112080,000	496,000	0,827	826,667	2976,000
09-02-2008	04:07:46	30112548,000	468,000	0,780	780,000	2808,000
09-02-2008	04:17:46	30112996,000	448,000	0,747	746,667	2688,000
09-02-2008	04:27:46	30113488,000	492,000	0,820	820,000	2952,000
09-02-2008	04:37:46	30113956,000	468,000	0,780	780,000	2808,000
09-02-2008	04:47:46	30114440,000	484,000	0,807	806,667	2904,000
09-02-2008	04:57:46	30114896,000	456,000	0,760	760,000	2736,000
09-02-2008	05:07:46	30115364,000	468,000	0,780	780,000	2808,000
09-02-2008	05:17:46	30115812,000	448,000	0,747	746,667	2688,000
09-02-2008	05:27:47	30116304,000	492,000	0,820	820,000	2952,000
09-02-2008	05:37:47	30116768,000	464,000	0,773	773,333	2784,000
09-02-2008	05:47:47	30117220,000	452,000	0,753	753,333	2712,000
09-02-2008	05:57:47	30117708,000	488,000	0,813	813,333	2928,000
09-02-2008	06:07:47	30118172,000	464,000	0,773	773,333	2784,000
09-02-2008	06:17:47	30118660,000	488,000	0,813	813,333	2928,000
09-02-2008	06:27:47	30119012,000	352,000	0,587	586,667	2112,000
09-02-2008	06:37:47	30119184,000	172,000	0,287	286,667	1032,000
09-02-2008	06:47:47	30119344,000	160,000	0,267	266,667	960,000
09-02-2008	06:57:47	30119516,000	172,000	0,287	286,667	1032,000
09-02-2008	07:07:47	30119680,000	164,000	0,273	273,333	984,000
09-02-2008	07:17:47	30119840,000	160,000	0,267	266,667	960,000
09-02-2008	07:27:47	30120016,000	176,000	0,293	293,333	1056,000
09-02-2008	07:37:47	30120212,000	196,000	0,327	326,667	1176,000
09-02-2008	07:47:47	30120236,000	24,000	0,040	40,000	144,000

09-02-2008	07:57:47	30120236,000	0,000	0,000	0,000	0,000
09-02-2008	08:07:47	30120236,000	0,000	0,000	0,000	0,000
09-02-2008	08:17:47	30120236,000	0,000	0,000	0,000	0,000
09-02-2008	08:27:47	30120236,000	0,000	0,000	0,000	0,000
09-02-2008	08:37:47	30120236,000	0,000	0,000	0,000	0,000
09-02-2008	08:47:47	30120236,000	0,000	0,000	0,000	0,000
09-02-2008	08:57:47	30120236,000	0,000	0,000	0,000	0,000
09-02-2008	09:07:47	30120292,000	56,000	0,093	93,333	336,000
09-02-2008	09:17:47	30120468,000	176,000	0,293	293,333	1056,000
09-02-2008	09:27:47	30120632,000	164,000	0,273	273,333	984,000
09-02-2008	09:37:47	30120792,000	160,000	0,267	266,667	960,000
09-02-2008	09:47:47	30120964,000	172,000	0,287	286,667	1032,000
09-02-2008	09:57:47	30121132,000	168,000	0,280	280,000	1008,000
09-02-2008	10:07:47	30121304,000	172,000	0,287	286,667	1032,000
09-02-2008	10:17:47	30121464,000	160,000	0,267	266,667	960,000
09-02-2008	10:27:47	30121636,000	172,000	0,287	286,667	1032,000
09-02-2008	10:37:47	30121796,000	160,000	0,267	266,667	960,000
09-02-2008	10:47:47	30121976,000	180,000	0,300	300,000	1080,000
09-02-2008	10:57:47	30122144,000	168,000	0,280	280,000	1008,000
09-02-2008	11:07:47	30122308,000	164,000	0,273	273,333	984,000
09-02-2008	11:17:47	30122444,000	136,000	0,227	226,667	816,000
09-02-2008	11:27:47	30122608,000	164,000	0,273	273,333	984,000
09-02-2008	11:37:47	30122812,000	204,000	0,340	340,000	1224,000
09-02-2008	11:47:47	30122936,000	124,000	0,207	206,667	744,000
09-02-2008	11:57:47	30123116,000	180,000	0,300	300,000	1080,000
09-02-2008	12:07:47	30123284,000	168,000	0,280	280,000	1008,000
09-02-2008	12:17:47	30123444,000	160,000	0,267	266,667	960,000
09-02-2008	12:27:47	30123620,000	176,000	0,293	293,333	1056,000
09-02-2008	12:37:47	30123792,000	172,000	0,287	286,667	1032,000
09-02-2008	12:47:47	30123968,000	176,000	0,293	293,333	1056,000
09-02-2008	12:57:48	30124136,000	168,000	0,280	280,000	1008,000
09-02-2008	13:07:48	30124364,000	228,000	0,380	380,000	1368,000
09-02-2008	13:17:48	30124796,000	432,000	0,720	720,000	2592,000
09-02-2008	13:27:48	30125300,000	504,000	0,840	840,000	3024,000
09-02-2008	13:37:48	30125780,000	480,000	0,800	800,000	2880,000
09-02-2008	13:47:48	30126240,000	460,000	0,767	766,667	2760,000
09-02-2008	13:57:48	30126732,000	492,000	0,820	820,000	2952,000
09-02-2008	14:07:48	30127192,000	460,000	0,767	766,667	2760,000
09-02-2008	14:17:48	30127636,000	444,000	0,740	740,000	2664,000
09-02-2008	14:27:48	30128124,000	488,000	0,813	813,333	2928,000
09-02-2008	14:37:48	30128584,000	460,000	0,767	766,667	2760,000
09-02-2008	14:47:48	30129036,000	452,000	0,753	753,333	2712,000
09-02-2008	14:57:48	30129520,000	484,000	0,807	806,667	2904,000
09-02-2008	15:07:48	30129988,000	468,000	0,780	780,000	2808,000
09-02-2008	15:17:48	30130432,000	444,000	0,740	740,000	2664,000
09-02-2008	15:27:48	30130924,000	492,000	0,820	820,000	2952,000
09-02-2008	15:37:48	30131384,000	460,000	0,767	766,667	2760,000
09-02-2008	15:47:48	30131828,000	444,000	0,740	740,000	2664,000
09-02-2008	15:57:48	30132316,000	488,000	0,813	813,333	2928,000
09-02-2008	16:07:48	30132780,000	464,000	0,773	773,333	2784,000
09-02-2008	16:17:48	30133228,000	448,000	0,747	746,667	2688,000
09-02-2008	16:27:48	30133712,000	484,000	0,807	806,667	2904,000
09-02-2008	16:37:48	30134180,000	468,000	0,780	780,000	2808,000
09-02-2008	16:47:48	30134628,000	448,000	0,747	746,667	2688,000
09-02-2008	16:57:48	30135112,000	484,000	0,807	806,667	2904,000

09-02-2008	17:07:48	30135576,000	464,000	0,773	773,333	2784,000
09-02-2008	17:17:48	30136024,000	448,000	0,747	746,667	2688,000
09-02-2008	17:27:48	30136512,000	488,000	0,813	813,333	2928,000
09-02-2008	17:37:48	30137072,000	560,000	0,933	933,333	3360,000
09-02-2008	17:47:48	30137424,000	352,000	0,587	586,667	2112,000
09-02-2008	17:57:48	30137908,000	484,000	0,807	806,667	2904,000
09-02-2008	18:07:48	30138472,000	564,000	0,940	940,000	3384,000
09-02-2008	18:17:48	30138956,000	484,000	0,807	806,667	2904,000
09-02-2008	18:27:48	30139424,000	468,000	0,780	780,000	2808,000
09-02-2008	18:37:48	30139816,000	392,000	0,653	653,333	2352,000
09-02-2008	18:47:48	30140160,000	344,000	0,573	573,333	2064,000
09-02-2008	18:57:48	30140492,000	332,000	0,553	553,333	1992,000
09-02-2008	19:07:48	30140812,000	320,000	0,533	533,333	1920,000
09-02-2008	19:17:48	30141164,000	352,000	0,587	586,667	2112,000
09-02-2008	19:27:48	30141496,000	332,000	0,553	553,333	1992,000
09-02-2008	19:37:49	30141816,000	320,000	0,533	533,333	1920,000
09-02-2008	19:47:49	30142164,000	348,000	0,580	580,000	2088,000
09-02-2008	19:57:49	30142500,000	336,000	0,560	560,000	2016,000
09-02-2008	20:07:49	30142820,000	320,000	0,533	533,333	1920,000
09-02-2008	20:17:49	30143168,000	348,000	0,580	580,000	2088,000
09-02-2008	20:27:49	30143504,000	336,000	0,560	560,000	2016,000
09-02-2008	20:37:49	30143824,000	320,000	0,533	533,333	1920,000
09-02-2008	20:47:49	30144176,000	352,000	0,587	586,667	2112,000
09-02-2008	20:57:49	30144504,000	328,000	0,547	546,667	1968,000
09-02-2008	21:07:49	30144828,000	324,000	0,540	540,000	1944,000
09-02-2008	21:17:49	30145176,000	348,000	0,580	580,000	2088,000
09-02-2008	21:27:49	30145508,000	332,000	0,553	553,333	1992,000
09-02-2008	21:37:49	30145832,000	324,000	0,540	540,000	1944,000
09-02-2008	21:47:49	30146180,000	348,000	0,580	580,000	2088,000
09-02-2008	21:57:49	30146584,000	404,000	0,673	673,333	2424,000
09-02-2008	22:07:49	30146832,000	248,000	0,413	413,333	1488,000
09-02-2008	22:17:49	30147180,000	348,000	0,580	580,000	2088,000
09-02-2008	22:27:49	30147584,000	404,000	0,673	673,333	2424,000
09-02-2008	22:37:49	30147936,000	352,000	0,587	586,667	2112,000
09-02-2008	22:47:49	30148264,000	328,000	0,547	546,667	1968,000
09-02-2008	22:57:49	30148588,000	324,000	0,540	540,000	1944,000
09-02-2008	23:07:49	30148936,000	348,000	0,580	580,000	2088,000
09-02-2008	23:17:49	30149268,000	332,000	0,553	553,333	1992,000
09-02-2008	23:27:49	30149500,000	232,000	0,387	386,667	1392,000
09-02-2008	23:37:49	30149672,000	172,000	0,287	286,667	1032,000
09-02-2008	23:47:49	30149840,000	168,000	0,280	280,000	1008,000
09-02-2008	23:57:49	30149996,000	156,000	0,260	260,000	936,000
10-02-2008	00:00:26	30150044,000	48,000	0,306	305,732	1100,637

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:26	30150044,000				
10-02-2008	00:07:49	30150172,000	128,000	0,289	288,939	1040,181
10-02-2008	00:17:49	30150336,000	164,000	0,273	273,333	984,000
10-02-2008	00:27:49	30150496,000	160,000	0,267	266,667	960,000
10-02-2008	00:37:49	30150668,000	172,000	0,287	286,667	1032,000
10-02-2008	00:47:49	30150832,000	164,000	0,273	273,333	984,000
10-02-2008	00:57:49	30150992,000	160,000	0,267	266,667	960,000
10-02-2008	01:07:50	30151168,000	176,000	0,293	293,333	1056,000
10-02-2008	01:17:50	30151332,000	164,000	0,273	273,333	984,000
10-02-2008	01:27:50	30151492,000	160,000	0,267	266,667	960,000
10-02-2008	01:37:50	30151664,000	172,000	0,287	286,667	1032,000
10-02-2008	01:47:50	30151832,000	168,000	0,280	280,000	1008,000
10-02-2008	01:57:50	30151992,000	160,000	0,267	266,667	960,000
10-02-2008	02:07:50	30152252,000	260,000	0,433	433,333	1560,000
10-02-2008	02:17:50	30152660,000	408,000	0,680	680,000	2448,000
10-02-2008	02:27:50	30152908,000	248,000	0,413	413,333	1488,000
10-02-2008	02:37:50	30153260,000	352,000	0,587	586,667	2112,000
10-02-2008	02:47:50	30153668,000	408,000	0,680	680,000	2448,000
10-02-2008	02:57:50	30153916,000	248,000	0,413	413,333	1488,000
10-02-2008	03:07:50	30154348,000	432,000	0,720	720,000	2592,000
10-02-2008	03:17:51	30154668,000	320,000	0,533	533,333	1920,000
10-02-2008	03:27:51	30155020,000	352,000	0,587	586,667	2112,000
10-02-2008	03:37:51	30155352,000	332,000	0,553	553,333	1992,000
10-02-2008	03:47:51	30155676,000	324,000	0,540	540,000	1944,000
10-02-2008	03:57:51	30156024,000	348,000	0,580	580,000	2088,000
10-02-2008	04:07:51	30156360,000	336,000	0,560	560,000	2016,000
10-02-2008	04:17:51	30156684,000	324,000	0,540	540,000	1944,000
10-02-2008	04:27:51	30157032,000	348,000	0,580	580,000	2088,000
10-02-2008	04:37:51	30157364,000	332,000	0,553	553,333	1992,000
10-02-2008	04:47:51	30157688,000	324,000	0,540	540,000	1944,000
10-02-2008	04:57:51	30158040,000	352,000	0,587	586,667	2112,000
10-02-2008	05:07:51	30158372,000	332,000	0,553	553,333	1992,000
10-02-2008	05:17:51	30158692,000	320,000	0,533	533,333	1920,000
10-02-2008	05:27:51	30159044,000	352,000	0,587	586,667	2112,000
10-02-2008	05:37:52	30159376,000	332,000	0,553	553,333	1992,000
10-02-2008	05:47:52	30159696,000	320,000	0,533	533,333	1920,000
10-02-2008	05:57:52	30160044,000	348,000	0,580	580,000	2088,000
10-02-2008	06:07:52	30160380,000	336,000	0,560	560,000	2016,000
10-02-2008	06:17:52	30160700,000	320,000	0,533	533,333	1920,000
10-02-2008	06:27:52	30161052,000	352,000	0,587	586,667	2112,000
10-02-2008	06:37:52	30161384,000	332,000	0,553	553,333	1992,000
10-02-2008	06:47:52	30161704,000	320,000	0,533	533,333	1920,000
10-02-2008	06:57:52	30162056,000	352,000	0,587	586,667	2112,000
10-02-2008	07:07:52	30162464,000	408,000	0,680	680,000	2448,000
10-02-2008	07:17:52	30162716,000	252,000	0,420	420,000	1512,000
10-02-2008	07:27:52	30163144,000	428,000	0,713	713,333	2568,000
10-02-2008	07:37:52	30163468,000	324,000	0,540	540,000	1944,000
10-02-2008	07:47:52	30163816,000	348,000	0,580	580,000	2088,000
10-02-2008	07:57:52	30164152,000	336,000	0,560	560,000	2016,000

10-02-2008	08:07:52	30164472,000	320,000	0,533	533,333	1920,000
10-02-2008	08:17:52	30164824,000	352,000	0,587	586,667	2112,000
10-02-2008	08:27:52	30165156,000	332,000	0,553	553,333	1992,000
10-02-2008	08:37:52	30165476,000	320,000	0,533	533,333	1920,000
10-02-2008	08:47:52	30165820,000	344,000	0,573	573,333	2064,000
10-02-2008	08:57:52	30166128,000	308,000	0,513	513,333	1848,000
10-02-2008	09:07:52	30166288,000	160,000	0,267	266,667	960,000
10-02-2008	09:17:52	30166460,000	172,000	0,287	286,667	1032,000
10-02-2008	09:27:52	30166624,000	164,000	0,273	273,333	984,000
10-02-2008	09:37:52	30166784,000	160,000	0,267	266,667	960,000
10-02-2008	09:47:52	30166956,000	172,000	0,287	286,667	1032,000
10-02-2008	09:57:52	30167124,000	168,000	0,280	280,000	1008,000
10-02-2008	10:07:52	30167280,000	156,000	0,260	260,000	936,000
10-02-2008	10:17:52	30167452,000	172,000	0,287	286,667	1032,000
10-02-2008	10:27:53	30167620,000	168,000	0,280	280,000	1008,000
10-02-2008	10:37:53	30167776,000	156,000	0,260	260,000	936,000
10-02-2008	10:47:53	30167948,000	172,000	0,287	286,667	1032,000
10-02-2008	10:57:53	30168116,000	168,000	0,280	280,000	1008,000
10-02-2008	11:07:53	30168272,000	156,000	0,260	260,000	936,000
10-02-2008	11:17:53	30168444,000	172,000	0,287	286,667	1032,000
10-02-2008	11:27:53	30168644,000	200,000	0,333	333,333	1200,000
10-02-2008	11:37:53	30168768,000	124,000	0,207	206,667	744,000
10-02-2008	11:47:53	30168940,000	172,000	0,287	286,667	1032,000
10-02-2008	11:57:53	30169140,000	200,000	0,333	333,333	1200,000
10-02-2008	12:07:53	30169464,000	324,000	0,540	540,000	1944,000
10-02-2008	12:17:53	30169800,000	336,000	0,560	560,000	2016,000
10-02-2008	12:27:53	30170120,000	320,000	0,533	533,333	1920,000
10-02-2008	12:37:53	30170464,000	344,000	0,573	573,333	2064,000
10-02-2008	12:47:53	30170804,000	340,000	0,567	566,667	2040,000
10-02-2008	12:57:53	30171124,000	320,000	0,533	533,333	1920,000
10-02-2008	13:07:53	30171472,000	348,000	0,580	580,000	2088,000
10-02-2008	13:17:53	30171808,000	336,000	0,560	560,000	2016,000
10-02-2008	13:27:53	30172128,000	320,000	0,533	533,333	1920,000
10-02-2008	13:37:53	30172476,000	348,000	0,580	580,000	2088,000
10-02-2008	13:47:53	30172812,000	336,000	0,560	560,000	2016,000
10-02-2008	13:57:53	30173132,000	320,000	0,533	533,333	1920,000
10-02-2008	14:07:53	30173476,000	344,000	0,573	573,333	2064,000
10-02-2008	14:17:53	30173816,000	340,000	0,567	566,667	2040,000
10-02-2008	14:27:53	30174136,000	320,000	0,533	533,333	1920,000
10-02-2008	14:37:53	30174480,000	344,000	0,573	573,333	2064,000
10-02-2008	14:47:53	30174820,000	340,000	0,567	566,667	2040,000
10-02-2008	14:57:53	30175140,000	320,000	0,533	533,333	1920,000
10-02-2008	15:07:53	30175480,000	340,000	0,567	566,667	2040,000
10-02-2008	15:17:53	30175820,000	340,000	0,567	566,667	2040,000
10-02-2008	15:27:54	30176140,000	320,000	0,533	533,333	1920,000
10-02-2008	15:37:54	30176488,000	348,000	0,580	580,000	2088,000
10-02-2008	15:47:54	30176828,000	340,000	0,567	566,667	2040,000
10-02-2008	15:57:54	30177148,000	320,000	0,533	533,333	1920,000
10-02-2008	16:07:54	30177492,000	344,000	0,573	573,333	2064,000
10-02-2008	16:17:54	30177836,000	344,000	0,573	573,333	2064,000
10-02-2008	16:27:54	30178152,000	316,000	0,527	526,667	1896,000
10-02-2008	16:37:54	30178500,000	348,000	0,580	580,000	2088,000
10-02-2008	16:47:54	30178908,000	408,000	0,680	680,000	2448,000
10-02-2008	16:57:54	30179160,000	252,000	0,420	420,000	1512,000
10-02-2008	17:07:54	30179508,000	348,000	0,580	580,000	2088,000

10-02-2008	17:17:54	30179916,000	408,000	0,680	680,000	2448,000
10-02-2008	17:27:54	30180168,000	252,000	0,420	420,000	1512,000
10-02-2008	17:37:54	30180508,000	340,000	0,567	566,667	2040,000
10-02-2008	17:47:54	30180920,000	412,000	0,687	686,667	2472,000
10-02-2008	17:57:54	30181264,000	344,000	0,573	573,333	2064,000
10-02-2008	18:07:54	30181604,000	340,000	0,567	566,667	2040,000
10-02-2008	18:17:54	30181924,000	320,000	0,533	533,333	1920,000
10-02-2008	18:27:54	30182272,000	348,000	0,580	580,000	2088,000
10-02-2008	18:37:54	30182612,000	340,000	0,567	566,667	2040,000
10-02-2008	18:47:54	30182896,000	284,000	0,473	473,333	1704,000
10-02-2008	18:57:54	30183232,000	336,000	0,560	560,000	2016,000
10-02-2008	19:07:54	30183552,000	320,000	0,533	533,333	1920,000
10-02-2008	19:17:54	30183896,000	344,000	0,573	573,333	2064,000
10-02-2008	19:27:54	30184304,000	408,000	0,680	680,000	2448,000
10-02-2008	19:37:54	30184560,000	256,000	0,427	426,667	1536,000
10-02-2008	19:47:54	30184904,000	344,000	0,573	573,333	2064,000
10-02-2008	19:57:54	30185312,000	408,000	0,680	680,000	2448,000
10-02-2008	20:07:54	30185660,000	348,000	0,580	580,000	2088,000
10-02-2008	20:17:54	30185996,000	336,000	0,560	560,000	2016,000
10-02-2008	20:27:54	30186316,000	320,000	0,533	533,333	1920,000
10-02-2008	20:37:54	30186656,000	340,000	0,567	566,667	2040,000
10-02-2008	20:47:54	30186996,000	340,000	0,567	566,667	2040,000
10-02-2008	20:57:54	30187316,000	320,000	0,533	533,333	1920,000
10-02-2008	21:07:54	30187664,000	348,000	0,580	580,000	2088,000
10-02-2008	21:17:54	30187996,000	332,000	0,553	553,333	1992,000
10-02-2008	21:27:54	30188320,000	324,000	0,540	540,000	1944,000
10-02-2008	21:37:54	30188664,000	344,000	0,573	573,333	2064,000
10-02-2008	21:47:54	30189004,000	340,000	0,567	566,667	2040,000
10-02-2008	21:57:55	30189324,000	320,000	0,533	533,333	1920,000
10-02-2008	22:07:55	30189668,000	344,000	0,573	573,333	2064,000
10-02-2008	22:17:55	30190004,000	336,000	0,560	560,000	2016,000
10-02-2008	22:27:55	30190324,000	320,000	0,533	533,333	1920,000
10-02-2008	22:37:55	30190672,000	348,000	0,580	580,000	2088,000
10-02-2008	22:47:55	30191004,000	332,000	0,553	553,333	1992,000
10-02-2008	22:57:55	30191328,000	324,000	0,540	540,000	1944,000
10-02-2008	23:07:55	30191672,000	344,000	0,573	573,333	2064,000
10-02-2008	23:17:55	30192012,000	340,000	0,567	566,667	2040,000
10-02-2008	23:27:55	30192332,000	320,000	0,533	533,333	1920,000
10-02-2008	23:37:55	30192680,000	348,000	0,580	580,000	2088,000
10-02-2008	23:47:55	30193016,000	336,000	0,560	560,000	2016,000
10-02-2008	23:57:55	30193336,000	320,000	0,533	533,333	1920,000
11-02-2008	00:00:13	30193432,000	96,000	0,696	695,652	2504,348

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	30193432,000				
11-02-2008	00:07:55	30193684,000	252,000	0,545	545,455	1963,636
11-02-2008	00:17:55	30193976,000	292,000	0,487	486,667	1752,000
11-02-2008	00:27:55	30194100,000	124,000	0,207	206,667	744,000
11-02-2008	00:37:55	30194268,000	168,000	0,280	280,000	1008,000
11-02-2008	00:47:55	30194472,000	204,000	0,340	340,000	1224,000
11-02-2008	00:57:55	30194640,000	168,000	0,280	280,000	1008,000
11-02-2008	01:07:55	30194808,000	168,000	0,280	280,000	1008,000
11-02-2008	01:17:55	30194968,000	160,000	0,267	266,667	960,000
11-02-2008	01:27:55	30195140,000	172,000	0,287	286,667	1032,000
11-02-2008	01:37:55	30195308,000	168,000	0,280	280,000	1008,000
11-02-2008	01:47:55	30195468,000	160,000	0,267	266,667	960,000
11-02-2008	01:57:55	30195640,000	172,000	0,287	286,667	1032,000
11-02-2008	02:07:55	30195808,000	168,000	0,280	280,000	1008,000
11-02-2008	02:17:55	30195968,000	160,000	0,267	266,667	960,000
11-02-2008	02:27:56	30196140,000	172,000	0,287	286,667	1032,000
11-02-2008	02:37:56	30196308,000	168,000	0,280	280,000	1008,000
11-02-2008	02:47:56	30196468,000	160,000	0,267	266,667	960,000
11-02-2008	02:57:56	30196636,000	168,000	0,280	280,000	1008,000
11-02-2008	03:07:56	30196872,000	236,000	0,393	393,333	1416,000
11-02-2008	03:17:56	30197192,000	320,000	0,533	533,333	1920,000
11-02-2008	03:27:56	30197540,000	348,000	0,580	580,000	2088,000
11-02-2008	03:37:56	30197876,000	336,000	0,560	560,000	2016,000
11-02-2008	03:47:56	30198200,000	324,000	0,540	540,000	1944,000
11-02-2008	03:57:56	30198548,000	348,000	0,580	580,000	2088,000
11-02-2008	04:07:56	30198884,000	336,000	0,560	560,000	2016,000
11-02-2008	04:17:56	30199204,000	320,000	0,533	533,333	1920,000
11-02-2008	04:27:56	30199548,000	344,000	0,573	573,333	2064,000
11-02-2008	04:37:56	30199888,000	340,000	0,567	566,667	2040,000
11-02-2008	04:47:56	30200208,000	320,000	0,533	533,333	1920,000
11-02-2008	04:57:56	30200556,000	348,000	0,580	580,000	2088,000
11-02-2008	05:07:56	30200960,000	404,000	0,673	673,333	2424,000
11-02-2008	05:17:56	30201216,000	256,000	0,427	426,667	1536,000
11-02-2008	05:27:56	30201644,000	428,000	0,713	713,333	2568,000
11-02-2008	05:37:56	30201972,000	328,000	0,547	546,667	1968,000
11-02-2008	05:47:56	30202312,000	340,000	0,567	566,667	2040,000
11-02-2008	05:57:56	30202652,000	340,000	0,567	566,667	2040,000
11-02-2008	06:07:56	30202972,000	320,000	0,533	533,333	1920,000
11-02-2008	06:17:56	30203312,000	340,000	0,567	566,667	2040,000
11-02-2008	06:27:56	30203656,000	344,000	0,573	573,333	2064,000
11-02-2008	06:37:56	30203972,000	316,000	0,527	526,667	1896,000
11-02-2008	06:47:56	30204320,000	348,000	0,580	580,000	2088,000
11-02-2008	06:57:56	30204656,000	336,000	0,560	560,000	2016,000
11-02-2008	07:07:56	30204980,000	324,000	0,540	540,000	1944,000
11-02-2008	07:17:56	30205280,000	300,000	0,500	500,000	1800,000
11-02-2008	07:27:56	30205448,000	168,000	0,280	280,000	1008,000
11-02-2008	07:37:57	30205604,000	156,000	0,260	260,000	936,000
11-02-2008	07:47:57	30205776,000	172,000	0,287	286,667	1032,000
11-02-2008	07:57:57	30205944,000	168,000	0,280	280,000	1008,000
11-02-2008	08:07:57	30206100,000	156,000	0,260	260,000	936,000
11-02-2008	08:17:57	30206272,000	172,000	0,287	286,667	1032,000

11-02-2008	08:27:57	30206440,000	168,000	0,280	280,000	1008,000
11-02-2008	08:37:57	30206600,000	160,000	0,267	266,667	960,000
11-02-2008	08:47:57	30206772,000	172,000	0,287	286,667	1032,000
11-02-2008	08:57:57	30206940,000	168,000	0,280	280,000	1008,000
11-02-2008	09:07:57	30207216,000	276,000	0,460	460,000	1656,000
11-02-2008	09:17:57	30207548,000	332,000	0,553	553,333	1992,000
11-02-2008	09:27:57	30207884,000	336,000	0,560	560,000	2016,000
11-02-2008	09:37:57	30207924,000	40,000	0,067	66,667	240,000
11-02-2008	09:47:57	30207944,000	20,000	0,033	33,333	120,000
11-02-2008	09:57:57	30207944,000	0,000	0,000	0,000	0,000
11-02-2008	10:07:57	30207944,000	0,000	0,000	0,000	0,000
11-02-2008	10:17:57	30207944,000	0,000	0,000	0,000	0,000
11-02-2008	10:27:57	30207944,000	0,000	0,000	0,000	0,000
11-02-2008	10:37:57	30207952,000	8,000	0,013	13,333	48,000
11-02-2008	10:47:57	30208076,000	124,000	0,207	206,667	744,000
11-02-2008	10:57:57	30208084,000	8,000	0,013	13,333	48,000
11-02-2008	11:07:57	30208204,000	120,000	0,200	200,000	720,000
11-02-2008	11:17:57	30208328,000	124,000	0,207	206,667	744,000
11-02-2008	11:27:57	30208440,000	112,000	0,187	186,667	672,000
11-02-2008	11:37:57	30208556,000	116,000	0,193	193,333	696,000
11-02-2008	11:47:57	30208664,000	108,000	0,180	180,000	648,000
11-02-2008	11:57:57	30208768,000	104,000	0,173	173,333	624,000
11-02-2008	12:07:57	30208880,000	112,000	0,187	186,667	672,000
11-02-2008	12:17:57	30208988,000	108,000	0,180	180,000	648,000
11-02-2008	12:27:57	30209092,000	104,000	0,173	173,333	624,000
11-02-2008	12:37:57	30209204,000	112,000	0,187	186,667	672,000
11-02-2008	12:47:57	30209312,000	108,000	0,180	180,000	648,000
11-02-2008	12:57:57	30209412,000	100,000	0,167	166,667	600,000
11-02-2008	13:07:57	30209528,000	116,000	0,193	193,333	696,000
11-02-2008	13:17:57	30209640,000	112,000	0,187	186,667	672,000
11-02-2008	13:27:57	30209740,000	100,000	0,167	166,667	600,000
11-02-2008	13:37:57	30209852,000	112,000	0,187	186,667	672,000
11-02-2008	13:47:57	30209960,000	108,000	0,180	180,000	648,000
11-02-2008	13:57:57	30210064,000	104,000	0,173	173,333	624,000
11-02-2008	14:07:58	30210176,000	112,000	0,187	186,667	672,000
11-02-2008	14:17:58	30210284,000	108,000	0,180	180,000	648,000
11-02-2008	14:27:58	30210388,000	104,000	0,173	173,333	624,000
11-02-2008	14:37:58	30210496,000	108,000	0,180	180,000	648,000
11-02-2008	14:47:58	30210604,000	108,000	0,180	180,000	648,000
11-02-2008	14:57:58	30210708,000	104,000	0,173	173,333	624,000
11-02-2008	15:07:58	30210816,000	108,000	0,180	180,000	648,000
11-02-2008	15:17:58	30210948,000	132,000	0,220	220,000	792,000
11-02-2008	15:27:58	30211028,000	80,000	0,133	133,333	480,000
11-02-2008	15:37:58	30211140,000	112,000	0,187	186,667	672,000
11-02-2008	15:47:58	30211268,000	128,000	0,213	213,333	768,000
11-02-2008	15:57:58	30211376,000	108,000	0,180	180,000	648,000
11-02-2008	16:07:58	30211480,000	104,000	0,173	173,333	624,000
11-02-2008	16:17:58	30211580,000	100,000	0,167	166,667	600,000
11-02-2008	16:27:58	30211688,000	108,000	0,180	180,000	648,000
11-02-2008	16:37:58	30211788,000	100,000	0,167	166,667	600,000
11-02-2008	16:47:58	30211888,000	100,000	0,167	166,667	600,000
11-02-2008	16:57:58	30211940,000	52,000	0,087	86,667	312,000
11-02-2008	17:07:58	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	17:17:58	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	17:27:58	30211940,000	0,000	0,000	0,000	0,000

11-02-2008	17:37:58	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	17:47:58	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	17:57:58	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	18:07:58	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	18:17:58	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	18:27:58	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	18:37:58	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	18:50:08	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	19:00:08	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	19:10:08	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	19:20:08	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	19:30:08	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	19:40:35	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	19:51:37	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	20:01:37	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	20:11:37	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	20:21:37	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	20:31:37	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	20:41:37	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	20:51:37	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	21:01:37	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	21:11:37	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	21:21:37	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	21:31:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	21:41:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	21:51:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	22:01:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	22:11:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	22:21:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	22:31:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	22:41:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	22:51:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	23:01:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	23:11:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	23:21:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	23:31:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	23:41:38	30211940,000	0,000	0,000	0,000	0,000
11-02-2008	23:51:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	00:00:04	30211940,000	0,000	0,000	0,000	0,000

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	30211940,000				
12-02-2008	00:01:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	00:11:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	00:21:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	00:31:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	00:41:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	00:51:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	01:01:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	01:11:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	01:21:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	01:31:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	01:41:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	01:51:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	02:01:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	02:11:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	02:21:38	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	02:31:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	02:41:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	02:51:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	03:01:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	03:11:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	03:21:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	03:31:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	03:41:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	03:51:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	04:01:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	04:11:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	04:21:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	04:31:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	04:41:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	04:51:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	05:01:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	05:11:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	05:21:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	05:31:39	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	05:41:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	05:51:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	06:01:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	06:11:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	06:21:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	06:31:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	06:41:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	06:51:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	07:01:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	07:11:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	07:21:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	07:31:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	07:41:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	07:51:40	30211940,000	0,000	0,000	0,000	0,000

12-02-2008	08:01:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	08:11:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	08:21:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	08:31:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	08:41:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	08:51:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	09:01:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	09:11:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	09:21:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	09:31:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	09:41:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	09:51:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	10:01:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	10:11:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	10:21:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	10:31:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	10:41:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	10:51:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	11:01:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	11:11:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	11:21:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	11:31:40	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	11:41:41	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	11:51:41	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	12:01:41	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	12:11:41	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	12:21:41	30211940,000	0,000	0,000	0,000	0,000
12-02-2008	12:31:41	30211956,000	16,000	0,027	26,667	96,000
12-02-2008	12:41:41	30212096,000	140,000	0,233	233,333	840,000
12-02-2008	12:51:41	30212236,000	140,000	0,233	233,333	840,000
12-02-2008	13:01:41	30212524,000	288,000	0,480	480,000	1728,000
12-02-2008	13:11:41	30212816,000	292,000	0,487	486,667	1752,000
12-02-2008	13:21:41	30213064,000	248,000	0,413	413,333	1488,000
12-02-2008	13:31:41	30213248,000	184,000	0,307	306,667	1104,000
12-02-2008	13:41:41	30213436,000	188,000	0,313	313,333	1128,000
12-02-2008	13:51:41	30213620,000	184,000	0,307	306,667	1104,000
12-02-2008	14:01:41	30213804,000	184,000	0,307	306,667	1104,000
12-02-2008	14:11:41	30214004,000	200,000	0,333	333,333	1200,000
12-02-2008	14:21:41	30214040,000	36,000	0,060	60,000	216,000
12-02-2008	14:31:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	14:41:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	14:51:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	14:51:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	15:01:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	15:11:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	15:21:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	15:31:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	15:41:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	15:51:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	16:01:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	16:11:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	16:21:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	16:31:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	16:41:41	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	16:51:42	30214040,000	0,000	0,000	0,000	0,000

12-02-2008	17:01:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	17:11:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	17:21:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	17:31:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	17:41:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	17:51:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	18:01:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	18:11:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	18:21:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	18:31:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	18:41:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	18:51:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	19:01:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	19:11:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	19:21:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	19:31:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	19:41:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	19:51:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	20:01:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	20:11:42	30214040,000	0,000	0,000	0,000	0,000
12-02-2008	20:21:42	30214144,000	104,000	0,173	173,333	624,000
12-02-2008	20:31:42	30214356,000	212,000	0,353	353,333	1272,000
12-02-2008	20:41:42	30214584,000	228,000	0,380	380,000	1368,000
12-02-2008	20:51:42	30214800,000	216,000	0,360	360,000	1296,000
12-02-2008	21:01:42	30215100,000	300,000	0,500	500,000	1800,000
12-02-2008	21:11:42	30215316,000	216,000	0,360	360,000	1296,000
12-02-2008	21:21:42	30215444,000	128,000	0,213	213,333	768,000
12-02-2008	21:31:43	30215596,000	152,000	0,253	253,333	912,000
12-02-2008	21:41:43	30215796,000	200,000	0,333	333,333	1200,000
12-02-2008	21:51:43	30215940,000	144,000	0,240	240,000	864,000
12-02-2008	22:01:43	30216132,000	192,000	0,320	320,000	1152,000
12-02-2008	22:11:43	30216220,000	88,000	0,147	146,667	528,000
12-02-2008	22:21:43	30216220,000	0,000	0,000	0,000	0,000
12-02-2008	22:31:43	30216220,000	0,000	0,000	0,000	0,000
12-02-2008	22:41:43	30216220,000	0,000	0,000	0,000	0,000
12-02-2008	22:51:43	30216220,000	0,000	0,000	0,000	0,000
12-02-2008	23:01:43	30216220,000	0,000	0,000	0,000	0,000
12-02-2008	23:11:43	30216220,000	0,000	0,000	0,000	0,000
12-02-2008	23:21:43	30216220,000	0,000	0,000	0,000	0,000
12-02-2008	23:31:43	30216220,000	0,000	0,000	0,000	0,000
12-02-2008	23:41:43	30216220,000	0,000	0,000	0,000	0,000
12-02-2008	23:51:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	00:00:24	30216220,000	0,000	0,000	0,000	0,000

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	30216220,000				
13-02-2008	00:01:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	00:11:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	00:21:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	00:31:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	00:41:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	00:51:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	01:01:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	01:11:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	01:21:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	01:31:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	01:41:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	01:51:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	02:01:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	02:11:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	02:21:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	02:31:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	02:41:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	02:51:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	03:01:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	03:11:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	03:21:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	03:31:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	03:41:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	03:51:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	04:01:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	04:11:43	30216220,000	0,000	0,000	0,000	0,000
13-02-2008	04:21:43	30216228,000	8,000	0,013	13,333	48,000
13-02-2008	04:31:43	30216328,000	100,000	0,167	166,667	600,000
13-02-2008	04:41:43	30216516,000	188,000	0,313	313,333	1128,000
13-02-2008	04:51:43	30216756,000	240,000	0,400	400,000	1440,000
13-02-2008	05:01:43	30216992,000	236,000	0,393	393,333	1416,000
13-02-2008	05:11:43	30217280,000	288,000	0,480	480,000	1728,000
13-02-2008	05:21:43	30217440,000	160,000	0,267	266,667	960,000
13-02-2008	05:31:44	30217612,000	172,000	0,287	286,667	1032,000
13-02-2008	05:41:44	30217760,000	148,000	0,247	246,667	888,000
13-02-2008	05:51:44	30217864,000	104,000	0,173	173,333	624,000
13-02-2008	06:01:44	30218004,000	140,000	0,233	233,333	840,000
13-02-2008	06:11:44	30218108,000	104,000	0,173	173,333	624,000
13-02-2008	06:21:44	30218240,000	132,000	0,220	220,000	792,000
13-02-2008	06:31:44	30218256,000	16,000	0,027	26,667	96,000
13-02-2008	06:41:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	06:51:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	07:01:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	07:11:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	07:21:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	07:31:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	07:41:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	07:51:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	08:01:44	30218256,000	0,000	0,000	0,000	0,000

13-02-2008	08:11:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	08:21:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	08:31:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	08:41:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	08:51:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	09:01:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	09:11:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	09:21:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	09:31:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	09:41:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	09:51:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	10:01:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	10:11:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	10:21:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	10:31:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	10:41:44	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	10:51:45	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	11:01:45	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	11:11:45	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	11:21:45	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	11:31:45	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	11:41:45	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	11:51:45	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	12:01:45	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	12:11:45	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	12:22:05	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	12:32:49	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	12:42:50	30218256,000	0,000	0,000	0,000	0,000
13-02-2008	12:52:50	30218384,000	128,000	0,213	213,333	768,000
13-02-2008	13:02:50	30218572,000	188,000	0,313	313,333	1128,000
13-02-2008	13:12:50	30218800,000	228,000	0,380	380,000	1368,000
13-02-2008	13:22:50	30219060,000	260,000	0,433	433,333	1560,000
13-02-2008	13:32:50	30219348,000	288,000	0,480	480,000	1728,000
13-02-2008	13:42:50	30219616,000	268,000	0,447	446,667	1608,000
13-02-2008	13:52:50	30219836,000	220,000	0,367	366,667	1320,000
13-02-2008	14:02:50	30220040,000	204,000	0,340	340,000	1224,000
13-02-2008	14:12:50	30220100,000	60,000	0,100	100,000	360,000
13-02-2008	14:22:50	30220100,000	0,000	0,000	0,000	0,000
13-02-2008	14:32:50	30220104,000	4,000	0,007	6,667	24,000
13-02-2008	14:42:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	14:52:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	15:02:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	15:12:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	15:22:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	15:32:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	15:42:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	15:52:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	16:02:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	16:12:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	16:22:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	16:32:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	16:42:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	16:52:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	17:02:50	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	17:12:50	30220104,000	0,000	0,000	0,000	0,000

13-02-2008	17:22:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	17:32:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	17:42:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	17:52:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	18:02:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	18:12:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	18:22:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	18:32:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	18:42:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	18:52:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	19:02:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	19:12:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	19:22:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	19:32:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	19:42:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	19:52:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	20:02:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	20:12:51	30220104,000	0,000	0,000	0,000	0,000
13-02-2008	20:22:51	30220136,000	32,000	0,053	53,333	192,000
13-02-2008	20:32:51	30220288,000	152,000	0,253	253,333	912,000
13-02-2008	20:42:51	30220456,000	168,000	0,280	280,000	1008,000
13-02-2008	20:52:51	30220764,000	308,000	0,513	513,333	1848,000
13-02-2008	21:02:51	30221044,000	280,000	0,467	466,667	1680,000
13-02-2008	21:12:51	30221260,000	216,000	0,360	360,000	1296,000
13-02-2008	21:22:51	30221440,000	180,000	0,300	300,000	1080,000
13-02-2008	21:32:51	30221560,000	120,000	0,200	200,000	720,000
13-02-2008	21:42:51	30221660,000	100,000	0,167	166,667	600,000
13-02-2008	21:52:51	30221776,000	116,000	0,193	193,333	696,000
13-02-2008	22:02:51	30221816,000	40,000	0,067	66,667	240,000
13-02-2008	22:12:51	30221816,000	0,000	0,000	0,000	0,000
13-02-2008	22:22:51	30221816,000	0,000	0,000	0,000	0,000
13-02-2008	22:32:52	30221816,000	0,000	0,000	0,000	0,000
13-02-2008	22:42:52	30221816,000	0,000	0,000	0,000	0,000
13-02-2008	22:52:52	30221816,000	0,000	0,000	0,000	0,000
13-02-2008	23:02:52	30221816,000	0,000	0,000	0,000	0,000
13-02-2008	23:12:52	30221816,000	0,000	0,000	0,000	0,000
13-02-2008	23:22:52	30221816,000	0,000	0,000	0,000	0,000
13-02-2008	23:32:52	30221816,000	0,000	0,000	0,000	0,000
13-02-2008	23:42:52	30221816,000	0,000	0,000	0,000	0,000
13-02-2008	23:52:52	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	00:00:13	30221816,000	0,000	0,000	0,000	0,000

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:14	30221816,000				
14-02-2008	00:02:52	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	00:12:52	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	00:22:52	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	00:32:52	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	00:42:52	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	00:52:52	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	01:02:52	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	01:12:52	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	01:22:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	01:32:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	01:42:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	01:52:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	02:02:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	02:12:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	02:22:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	02:32:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	02:42:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	02:52:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	03:02:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	03:12:53	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	03:22:54	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	03:32:54	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	03:42:54	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	03:52:54	30221816,000	0,000	0,000	0,000	0,000
14-02-2008	04:02:54	30221896,000	80,000	0,133	133,333	480,000
14-02-2008	04:12:54	30222056,000	160,000	0,267	266,667	960,000
14-02-2008	04:22:54	30222292,000	236,000	0,393	393,333	1416,000
14-02-2008	04:32:54	30222576,000	284,000	0,473	473,333	1704,000
14-02-2008	04:42:54	30222888,000	312,000	0,520	520,000	1872,000
14-02-2008	04:52:54	30223140,000	252,000	0,420	420,000	1512,000
14-02-2008	05:02:54	30223364,000	224,000	0,373	373,333	1344,000
14-02-2008	05:12:55	30223580,000	216,000	0,360	360,000	1296,000
14-02-2008	05:22:55	30223820,000	240,000	0,400	400,000	1440,000
14-02-2008	05:32:55	30224060,000	240,000	0,400	400,000	1440,000
14-02-2008	05:42:55	30224296,000	236,000	0,393	393,333	1416,000
14-02-2008	05:52:55	30224552,000	256,000	0,427	426,667	1536,000
14-02-2008	06:02:55	30224780,000	228,000	0,380	380,000	1368,000
14-02-2008	06:12:55	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	06:22:55	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	06:32:55	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	06:42:55	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	06:52:55	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	07:02:55	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	07:12:55	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	07:22:55	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	07:32:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	07:42:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	07:52:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	08:02:56	30224780,000	0,000	0,000	0,000	0,000

14-02-2008	08:12:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	08:22:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	08:32:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	08:42:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	08:52:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	09:02:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	09:12:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	09:22:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	09:32:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	09:42:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	09:52:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	10:02:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	10:12:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	10:22:56	30224780,000	0,000	0,000	0,000	0,000
14-02-2008	10:32:56	30224868,000	88,000	0,147	146,667	528,000
14-02-2008	10:42:56	30225048,000	180,000	0,300	300,000	1080,000
14-02-2008	10:52:56	30225324,000	276,000	0,460	460,000	1656,000
14-02-2008	11:02:56	30225580,000	256,000	0,427	426,667	1536,000
14-02-2008	11:12:56	30225832,000	252,000	0,420	420,000	1512,000
14-02-2008	11:22:56	30226040,000	208,000	0,347	346,667	1248,000
14-02-2008	11:32:56	30226168,000	128,000	0,213	213,333	768,000
14-02-2008	11:42:56	30226200,000	32,000	0,053	53,333	192,000
14-02-2008	11:52:56	30226200,000	0,000	0,000	0,000	0,000
14-02-2008	12:02:56	30226200,000	0,000	0,000	0,000	0,000
14-02-2008	12:12:56	30226200,000	0,000	0,000	0,000	0,000
14-02-2008	12:22:56	30226212,000	12,000	0,020	20,000	72,000
14-02-2008	12:32:56	30226256,000	44,000	0,073	73,333	264,000
14-02-2008	12:42:56	30226416,000	160,000	0,267	266,667	960,000
14-02-2008	12:52:57	30226596,000	180,000	0,300	300,000	1080,000
14-02-2008	13:02:57	30226748,000	152,000	0,253	253,333	912,000
14-02-2008	13:12:57	30226888,000	140,000	0,233	233,333	840,000
14-02-2008	13:22:57	30227008,000	120,000	0,200	200,000	720,000
14-02-2008	13:32:57	30227108,000	100,000	0,167	166,667	600,000
14-02-2008	13:42:57	30227208,000	100,000	0,167	166,667	600,000
14-02-2008	13:52:57	30227320,000	112,000	0,187	186,667	672,000
14-02-2008	14:02:57	30227420,000	100,000	0,167	166,667	600,000
14-02-2008	14:12:57	30227520,000	100,000	0,167	166,667	600,000
14-02-2008	14:22:57	30227612,000	92,000	0,153	153,333	552,000
14-02-2008	14:32:57	30227712,000	100,000	0,167	166,667	600,000
14-02-2008	14:42:57	30227800,000	88,000	0,147	146,667	528,000
14-02-2008	14:52:57	30227884,000	84,000	0,140	140,000	504,000
14-02-2008	15:02:57	30227960,000	76,000	0,127	126,667	456,000
14-02-2008	15:12:57	30228024,000	64,000	0,107	106,667	384,000
14-02-2008	15:22:57	30228064,000	40,000	0,067	66,667	240,000
14-02-2008	15:32:57	30228092,000	28,000	0,047	46,667	168,000
14-02-2008	15:42:57	30228096,000	4,000	0,007	6,667	24,000
14-02-2008	15:52:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	16:02:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	16:12:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	16:22:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	16:32:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	16:42:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	16:52:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	17:02:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	17:12:57	30228096,000	0,000	0,000	0,000	0,000

14-02-2008	17:22:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	17:32:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	17:42:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	17:52:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	18:02:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	18:12:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	18:22:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	18:32:57	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	18:42:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	18:52:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	19:02:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	19:12:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	19:22:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	19:32:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	19:42:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	19:52:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	20:02:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	20:12:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	20:22:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	20:32:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	20:42:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	20:52:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	21:02:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	21:12:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	21:22:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	21:32:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	21:42:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	21:52:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	22:02:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	22:12:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	22:22:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	22:32:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	22:42:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	22:52:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	23:02:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	23:12:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	23:22:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	23:32:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	23:42:58	30228096,000	0,000	0,000	0,000	0,000
14-02-2008	23:52:59	30228096,000	0,000	0,000	0,000	0,000
15-02-2008	00:00:02	30228096,000	0,000	0,000	0,000	0,000

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	Caudais Médios m3/h	Caudal Médio Horário
Hora	**Caudal (m3/h)**							
00:00-00:10	1920,000	1040,181	1963,636	0,000	0,000	0,000	820,636	708,106
00:10-00:20	1992,000	984,000	1752,000	0,000	0,000	0,000	788,000	
00:20-00:30	1920,000	960,000	744,000	0,000	0,000	0,000	604,000	
00:30-00:40	2088,000	1032,000	1008,000	0,000	0,000	0,000	688,000	
00:40-00:50	2424,000	984,000	1224,000	0,000	0,000	0,000	772,000	
00:50-01:00	1488,000	960,000	1008,000	0,000	0,000	0,000	576,000	
01:00-01:10	2088,000	1056,000	1008,000	0,000	0,000	0,000	692,000	684,000
01:10-01:20	2400,000	984,000	960,000	0,000	0,000	0,000	724,000	
01:20-01:30	2112,000	960,000	1032,000	0,000	0,000	0,000	684,000	
01:30-01:40	1992,000	1032,000	1008,000	0,000	0,000	0,000	672,000	
01:40-01:50	1920,000	1008,000	960,000	0,000	0,000	0,000	648,000	
01:50-02:00	2112,000	960,000	1032,000	0,000	0,000	0,000	684,000	
02:00-02:10	1968,000	1560,000	1008,000	0,000	0,000	0,000	756,000	836,000
02:10-02:20	1944,000	2448,000	960,000	0,000	0,000	0,000	892,000	
02:20-02:30	2088,000	1488,000	1032,000	0,000	0,000	0,000	768,000	
02:30-02:40	2016,000	2112,000	1008,000	0,000	0,000	0,000	856,000	
02:40-02:50	1920,000	2448,000	960,000	0,000	0,000	0,000	888,000	
02:50-03:00	2640,000	1488,000	1008,000	0,000	0,000	0,000	856,000	
03:00-03:10	2832,000	2592,000	1416,000	0,000	0,000	0,000	1140,000	1154,667
03:10-03:20	2688,000	1920,000	1920,000	0,000	0,000	0,000	1088,000	
03:20-03:30	2952,000	2112,000	2088,000	0,000	0,000	0,000	1192,000	
03:30-03:40	2856,000	1992,000	2016,000	0,000	0,000	0,000	1144,000	
03:40-03:50	2664,000	1944,000	1944,000	0,000	0,000	0,000	1092,000	
03:50-04:00	2976,000	2088,000	2088,000	0,000	0,000	480,000	1272,000	
04:00-04:10	2808,000	2016,000	2016,000	0,000	0,000	960,000	1300,000	1513,333
04:10-04:20	2688,000	1944,000	1920,000	0,000	48,000	1416,000	1336,000	
04:20-04:30	2952,000	2088,000	2064,000	0,000	600,000	1704,000	1568,000	
04:30-04:40	2808,000	1992,000	2040,000	0,000	1128,000	1872,000	1640,000	
04:40-04:50	2904,000	1944,000	1920,000	0,000	1440,000	1512,000	1620,000	
04:50-05:00	2736,000	2112,000	2088,000	0,000	1416,000	1344,000	1616,000	
05:00-05:10	2808,000	1992,000	2424,000	0,000	1728,000	1296,000	1708,000	1556,667
05:10-05:20	2688,000	1920,000	1536,000	0,000	960,000	1440,000	1424,000	
05:20-05:30	2952,000	2112,000	2568,000	0,000	1032,000	1440,000	1684,000	
05:30-05:40	2784,000	1992,000	1968,000	0,000	888,000	1416,000	1508,000	
05:40-05:50	2712,000	1920,000	2040,000	0,000	624,000	1536,000	1472,000	
05:50-06:00	2928,000	2088,000	2040,000	0,000	840,000	1368,000	1544,000	
06:00-06:10	2784,000	2016,000	1920,000	0,000	624,000	0,000	1224,000	1012,667
06:10-06:20	2928,000	1920,000	2040,000	0,000	792,000	0,000	1280,000	
06:20-06:30	2112,000	2112,000	2064,000	0,000	96,000	0,000	1064,000	
06:30-06:40	1032,000	1992,000	1896,000	0,000	0,000	0,000	820,000	
06:40-06:50	960,000	1920,000	2088,000	0,000	0,000	0,000	828,000	
06:50-07:00	1032,000	2112,000	2016,000	0,000	0,000	0,000	860,000	
07:00-07:10	984,000	2448,000	1944,000	0,000	0,000	0,000	896,000	684,000
07:10-07:20	960,000	1512,000	1800,000	0,000	0,000	0,000	712,000	
07:20-07:30	1056,000	2568,000	1008,000	0,000	0,000	0,000	772,000	
07:30-07:40	1176,000	1944,000	936,000	0,000	0,000	0,000	676,000	
07:40-07:50	144,000	2088,000	1032,000	0,000	0,000	0,000	544,000	
07:50-08:00	0,000	2016,000	1008,000	0,000	0,000	0,000	504,000	

08:00-08:10	0,000	1920,000	936,000	0,000	0,000	0,000	476,000	495,333
08:10-08:20	0,000	2112,000	1032,000	0,000	0,000	0,000	524,000	
08:20-08:30	0,000	1992,000	1008,000	0,000	0,000	0,000	500,000	
08:30-08:40	0,000	1920,000	960,000	0,000	0,000	0,000	480,000	
08:40-08:50	0,000	2064,000	1032,000	0,000	0,000	0,000	516,000	
08:50-09:00	0,000	1848,000	1008,000	0,000	0,000	0,000	476,000	
09:00-09:10	336,000	960,000	1656,000	0,000	0,000	0,000	492,000	482,667
09:10-09:20	1056,000	1032,000	1992,000	0,000	0,000	0,000	680,000	
09:20-09:30	984,000	984,000	2016,000	0,000	0,000	0,000	664,000	
09:30-09:40	960,000	960,000	240,000	0,000	0,000	0,000	360,000	
09:40-09:50	1032,000	1032,000	120,000	0,000	0,000	0,000	364,000	
09:50-10:00	1008,000	1008,000	0,000	0,000	0,000	0,000	336,000	
10:00-10:10	1032,000	936,000	0,000	0,000	0,000	0,000	328,000	490,667
10:10-10:20	960,000	1032,000	0,000	0,000	0,000	0,000	332,000	
10:20-10:30	1032,000	1008,000	0,000	0,000	0,000	528,000	428,000	
10:30-10:40	960,000	936,000	48,000	0,000	0,000	1080,000	504,000	
10:40-10:50	1080,000	1032,000	744,000	0,000	0,000	1656,000	752,000	
10:50-11:00	1008,000	1008,000	48,000	0,000	0,000	1536,000	600,000	
11:00-11:10	984,000	936,000	720,000	0,000	0,000	1512,000	692,000	550,000
11:10-11:20	816,000	1032,000	744,000	0,000	0,000	1248,000	640,000	
11:20-11:30	984,000	1200,000	672,000	0,000	0,000	768,000	604,000	
11:30-11:40	1224,000	744,000	696,000	0,000	0,000	192,000	476,000	
11:40-11:50	744,000	1032,000	648,000	0,000	0,000	0,000	404,000	
11:50-12:00	1080,000	1200,000	624,000	0,000	0,000	0,000	484,000	
12:00-12:10	1008,000	1944,000	672,000	0,000	0,000	0,000	604,000	849,333
12:10-12:20	960,000	2016,000	648,000	0,000	0,000	72,000	616,000	
12:20-12:30	1056,000	1920,000	624,000	96,000	0,000	264,000	660,000	
12:30-12:40	1032,000	2064,000	672,000	840,000	0,000	960,000	928,000	
12:40-12:50	1056,000	2040,000	648,000	840,000	768,000	1080,000	1072,000	
12:50-13:00	1008,000	1920,000	600,000	1728,000	1128,000	912,000	1216,000	
13:00-13:10	1368,000	2088,000	696,000	1752,000	1368,000	840,000	1352,000	1446,000
13:10-13:20	2592,000	2016,000	672,000	1488,000	1560,000	720,000	1508,000	
13:20-13:30	3024,000	1920,000	600,000	1104,000	1728,000	600,000	1496,000	
13:30-13:40	2880,000	2088,000	672,000	1128,000	1608,000	600,000	1496,000	
13:40-13:50	2760,000	2016,000	648,000	1104,000	1320,000	672,000	1420,000	
13:50-14:00	2952,000	1920,000	624,000	1104,000	1224,000	600,000	1404,000	
14:00-14:10	2760,000	2064,000	672,000	1200,000	360,000	600,000	1276,000	1046,667
14:10-14:20	2664,000	2040,000	648,000	216,000	0,000	552,000	1020,000	
14:20-14:30	2928,000	1920,000	624,000	0,000	24,000	600,000	1016,000	
14:30-14:40	2760,000	2064,000	648,000	0,000	0,000	528,000	1000,000	
14:40-14:50	2712,000	2040,000	648,000	0,000	0,000	504,000	984,000	
14:50-15:00	2904,000	1920,000	624,000	0,000	0,000	456,000	984,000	
15:00-15:10	2808,000	2040,000	648,000	0,000	0,000	384,000	980,000	934,667
15:10-15:20	2664,000	2040,000	792,000	0,000	0,000	240,000	956,000	
15:20-15:30	2952,000	1920,000	480,000	0,000	0,000	168,000	920,000	
15:30-15:40	2760,000	2088,000	672,000	0,000	0,000	24,000	924,000	
15:40-15:50	2664,000	2040,000	768,000	0,000	0,000	0,000	912,000	
15:50-16:00	2928,000	1920,000	648,000	0,000	0,000	0,000	916,000	
16:00-16:10	2784,000	2064,000	624,000	0,000	0,000	0,000	912,000	895,333
16:10-16:20	2688,000	2064,000	600,000	0,000	0,000	0,000	892,000	
16:20-16:30	2904,000	1896,000	648,000	0,000	0,000	0,000	908,000	
16:30-16:40	2808,000	2088,000	600,000	0,000	0,000	0,000	916,000	
16:40-16:50	2688,000	2448,000	600,000	0,000	0,000	0,000	956,000	
16:50-17:00	2904,000	1512,000	312,000	0,000	0,000	0,000	788,000	

17:00-17:10	2784,000	2088,000	0,000	0,000	0,000	0,000	812,000	816,667
17:10-17:20	2688,000	2448,000	0,000	0,000	0,000	0,000	856,000	
17:20-17:30	2928,000	1512,000	0,000	0,000	0,000	0,000	740,000	
17:30-17:40	3360,000	2040,000	0,000	0,000	0,000	0,000	900,000	
17:40-17:50	2112,000	2472,000	0,000	0,000	0,000	0,000	764,000	
17:50-18:00	2904,000	2064,000	0,000	0,000	0,000	0,000	828,000	
18:00-18:10	3384,000	2040,000	0,000	0,000	0,000	0,000	904,000	758,667
18:10-18:20	2904,000	1920,000	0,000	0,000	0,000	0,000	804,000	
18:20-18:30	2808,000	2088,000	0,000	0,000	0,000	0,000	816,000	
18:30-18:40	2352,000	2040,000	0,000	0,000	0,000	0,000	732,000	
18:40-18:50	2064,000	1704,000	0,000	0,000	0,000	0,000	628,000	
18:50-19:00	1992,000	2016,000	0,000	0,000	0,000	0,000	668,000	
19:00-19:10	1920,000	1920,000	0,000	0,000	0,000	0,000	640,000	681,333
19:10-19:20	2112,000	2064,000	0,000	0,000	0,000	0,000	696,000	
19:20-19:30	1992,000	2448,000	0,000	0,000	0,000	0,000	740,000	
19:30-19:40	1920,000	1536,000	0,000	0,000	0,000	0,000	576,000	
19:40-19:50	2088,000	2064,000	0,000	0,000	0,000	0,000	692,000	
19:50-20:00	2016,000	2448,000	0,000	0,000	0,000	0,000	744,000	
20:00-20:10	1920,000	2088,000	0,000	0,000	0,000	0,000	668,000	1001,333
20:10-20:20	2088,000	2016,000	0,000	624,000	192,000	0,000	820,000	
20:20-20:30	2016,000	1920,000	0,000	1272,000	912,000	0,000	1020,000	
20:30-20:40	1920,000	2040,000	0,000	1368,000	1008,000	0,000	1056,000	
20:40-20:50	2112,000	2040,000	0,000	1296,000	1848,000	0,000	1216,000	
20:50-21:00	1968,000	1920,000	0,000	1800,000	1680,000	0,000	1228,000	
21:00-21:10	1944,000	2088,000	0,000	1296,000	1296,000	0,000	1104,000	982,000
21:10-21:20	2088,000	1992,000	0,000	768,000	1080,000	0,000	988,000	
21:20-21:30	1992,000	1944,000	0,000	912,000	720,000	0,000	928,000	
21:30-21:40	1944,000	2064,000	0,000	1200,000	600,000	0,000	968,000	
21:40-21:50	2088,000	2040,000	0,000	864,000	696,000	0,000	948,000	
21:50-22:00	2424,000	1920,000	0,000	1152,000	240,000	0,000	956,000	
22:00-22:10	1488,000	2064,000	0,000	528,000	0,000	0,000	680,000	682,667
22:10-22:20	2088,000	2016,000	0,000	0,000	0,000	0,000	684,000	
22:20-22:30	2424,000	1920,000	0,000	0,000	0,000	0,000	724,000	
22:30-22:40	2112,000	2088,000	0,000	0,000	0,000	0,000	700,000	
22:40-22:50	1968,000	1992,000	0,000	0,000	0,000	0,000	660,000	
22:50-23:00	1944,000	1944,000	0,000	0,000	0,000	0,000	648,000	
23:00-23:10	2088,000	2064,000	0,000	0,000	0,000	0,000	692,000	569,333
23:10-23:20	1992,000	2040,000	0,000	0,000	0,000	0,000	672,000	
23:20-23:30	1392,000	1920,000	0,000	0,000	0,000	0,000	552,000	
23:30-23:40	1032,000	2088,000	0,000	0,000	0,000	0,000	520,000	
23:40-23:50	1008,000	2016,000	0,000	0,000	0,000	0,000	504,000	
23:50-00:00	936,000	1920,000	0,000	0,000	0,000	0,000	476,000	

Caudal Médio Diário = 868 m3/h

Caudais Médios *Lever - Jovim DN1000 (saída de Lever Montante)*
Caudal (m3/h)
1800
1600
1400
1200
1000
800
600
400
200
0
00:00-00:10
00:40-00:50
01:20-01:30
02:00-02:10
02:40-02:50
03:20-03:30
04:00-04:10
04:40-04:50
05:20-05:30
06:00-06:10
06:40-06:50
07:20-07:30
08:00-08:10
08:40-08:50
09:20-09:30
10:00-10:10
10:40-10:50
11:20-11:30
12:00-12:10
12:40-12:50
13:20-13:30
14:00-14:10
14:40-14:50
15:20-15:30
16:00-16:10
16:40-16:50
17:20-17:30
18:00-18:10
18:40-18:50
19:20-19:30
20:00-20:10
20:40-20:50
21:20-21:30
22:00-22:10
22:40-22:50
23:20-23:30
Hora

Caudais Médios Horários *Lever - Jovim DN1000 (saída de Lever Montante)*
Caudal (m3/h)
1800
1600
1400
1200
1000
800
600
400
200
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CAUDAIS

Lever Montante – Jovim DN1200 (saída de Lever Montante)

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	517028,313				
09-02-2008	00:07:45	517353,063	324,750	0,700	699,892	2519,612
09-02-2008	00:17:45	517788,125	435,063	0,725	725,104	2610,375
09-02-2008	00:27:45	518209,250	421,125	0,702	701,875	2526,750
09-02-2008	00:37:45	518667,500	458,250	0,764	763,750	2749,500
09-02-2008	00:47:45	519195,500	528,000	0,880	880,000	3168,000
09-02-2008	00:57:46	519520,875	325,375	0,542	542,292	1952,250
09-02-2008	01:07:46	519978,813	457,938	0,763	763,229	2747,625
09-02-2008	01:17:46	520507,250	528,438	0,881	880,729	3170,625
09-02-2008	01:27:46	520965,500	458,250	0,764	763,750	2749,500
09-02-2008	01:37:46	521398,250	432,750	0,721	721,250	2596,500
09-02-2008	01:47:46	521819,875	421,625	0,703	702,708	2529,750
09-02-2008	01:57:46	522279,438	459,563	0,766	765,938	2757,375
09-02-2008	02:07:46	522717,063	437,625	0,729	729,375	2625,750
09-02-2008	02:17:46	523138,563	421,500	0,703	702,500	2529,000
09-02-2008	02:27:46	523593,125	454,563	0,758	757,604	2727,375
09-02-2008	02:37:46	524032,813	439,688	0,733	732,813	2638,125
09-02-2008	02:47:46	524450,125	417,313	0,696	695,521	2503,875
09-02-2008	02:57:46	525048,000	597,875	0,996	996,458	3587,250
09-02-2008	03:07:46	525679,500	631,500	1,053	1052,500	3789,000
09-02-2008	03:17:46	526283,125	603,625	1,006	1006,042	3621,750
09-02-2008	03:27:46	526945,625	662,500	1,104	1104,167	3975,000
09-02-2008	03:37:46	527592,375	646,750	1,078	1077,917	3880,500
09-02-2008	03:47:46	528197,250	604,875	1,008	1008,125	3629,250
09-02-2008	03:57:46	528865,750	668,500	1,114	1114,167	4011,000
09-02-2008	04:07:46	529496,625	630,875	1,051	1051,458	3785,250
09-02-2008	04:17:46	530106,500	609,875	1,016	1016,458	3659,250
09-02-2008	04:27:46	530769,500	663,000	1,105	1105,000	3978,000
09-02-2008	04:37:46	531400,875	631,375	1,052	1052,292	3788,250
09-02-2008	04:47:46	532052,750	651,875	1,086	1086,458	3911,250
09-02-2008	04:57:46	532678,125	625,375	1,042	1042,292	3752,250
09-02-2008	05:07:46	533314,500	636,375	1,061	1060,625	3818,250
09-02-2008	05:17:46	533919,375	604,875	1,008	1008,125	3629,250
09-02-2008	05:27:47	534587,750	668,375	1,114	1113,958	4010,250
09-02-2008	05:37:47	535217,500	629,750	1,050	1049,583	3778,500
09-02-2008	05:47:47	535826,375	608,875	1,015	1014,792	3653,250
09-02-2008	05:57:47	536487,750	661,375	1,102	1102,292	3968,250
09-02-2008	06:07:47	537123,875	636,125	1,060	1060,208	3816,750
09-02-2008	06:17:47	537777,750	653,875	1,090	1089,792	3923,250
09-02-2008	06:27:47	538259,750	482,000	0,803	803,333	2892,000
09-02-2008	06:37:47	538501,625	241,875	0,403	403,125	1451,250
09-02-2008	06:47:47	538719,125	217,500	0,363	362,500	1305,000
09-02-2008	06:57:47	538959,625	240,500	0,401	400,833	1443,000
09-02-2008	07:07:47	539188,750	229,125	0,382	381,875	1374,750
09-02-2008	07:17:47	539406,625	217,875	0,363	363,125	1307,250
09-02-2008	07:27:47	539647,125	240,500	0,401	400,833	1443,000
09-02-2008	07:37:47	539920,375	273,250	0,455	455,417	1639,500
09-02-2008	07:47:47	539955,000	34,625	0,058	57,708	207,750
09-02-2008	07:57:47	539955,000	0,000	0,000	0,000	0,000
09-02-2008	08:07:47	539955,000	0,000	0,000	0,000	0,000

09-02-2008	08:17:47	539955,000	0,000	0,000	0,000	0,000
09-02-2008	08:27:47	539955,000	0,000	0,000	0,000	0,000
09-02-2008	08:37:47	539955,000	0,000	0,000	0,000	0,000
09-02-2008	08:47:47	539955,000	0,000	0,000	0,000	0,000
09-02-2008	08:57:47	539955,000	0,000	0,000	0,000	0,000
09-02-2008	09:07:47	540033,375	78,375	0,131	130,625	470,250
09-02-2008	09:17:47	540276,875	243,500	0,406	405,833	1461,000
09-02-2008	09:27:47	540504,625	227,750	0,380	379,583	1366,500
09-02-2008	09:37:47	540725,125	220,500	0,368	367,500	1323,000
09-02-2008	09:47:47	540964,875	239,750	0,400	399,583	1438,500
09-02-2008	09:57:47	541192,750	227,875	0,380	379,792	1367,250
09-02-2008	10:07:47	541429,375	236,625	0,394	394,375	1419,750
09-02-2008	10:17:47	541652,875	223,500	0,373	372,500	1341,000
09-02-2008	10:27:47	541886,625	233,750	0,390	389,583	1402,500
09-02-2008	10:37:47	542108,375	221,750	0,370	369,583	1330,500
09-02-2008	10:47:47	542358,750	250,375	0,417	417,292	1502,250
09-02-2008	10:57:47	542586,750	228,000	0,380	380,000	1368,000
09-02-2008	11:07:47	542812,000	225,250	0,375	375,417	1351,500
09-02-2008	11:17:47	543002,250	190,250	0,317	317,083	1141,500
09-02-2008	11:27:47	543229,500	227,250	0,379	378,750	1363,500
09-02-2008	11:37:47	543506,500	277,000	0,462	461,667	1662,000
09-02-2008	11:47:47	543681,375	174,875	0,291	291,458	1049,250
09-02-2008	11:57:47	543925,875	244,500	0,408	407,500	1467,000
09-02-2008	12:07:47	544154,750	228,875	0,381	381,458	1373,250
09-02-2008	12:17:47	544379,250	224,500	0,374	374,167	1347,000
09-02-2008	12:27:47	544625,375	246,125	0,410	410,208	1476,750
09-02-2008	12:37:47	544859,750	234,375	0,391	390,625	1406,250
09-02-2008	12:47:47	545103,625	243,875	0,406	406,458	1463,250
09-02-2008	12:57:48	545330,625	227,000	0,378	378,333	1362,000
09-02-2008	13:07:48	545641,000	310,375	0,517	517,292	1862,250
09-02-2008	13:17:48	546234,750	593,750	0,990	989,583	3562,500
09-02-2008	13:27:48	546913,750	679,000	1,132	1131,667	4074,000
09-02-2008	13:37:48	547559,375	645,625	1,076	1076,042	3873,750
09-02-2008	13:47:48	548182,375	623,000	1,038	1038,333	3738,000
09-02-2008	13:57:48	548848,625	666,250	1,110	1110,417	3997,500
09-02-2008	14:07:48	549466,625	618,000	1,030	1030,000	3708,000
09-02-2008	14:17:48	550074,000	607,375	1,012	1012,292	3644,250
09-02-2008	14:27:48	550734,500	660,500	1,101	1100,833	3963,000
09-02-2008	14:37:48	551357,625	623,125	1,039	1038,542	3738,750
09-02-2008	14:47:48	551970,000	612,375	1,021	1020,625	3674,250
09-02-2008	14:57:48	552626,000	656,000	1,093	1093,333	3936,000
09-02-2008	15:07:48	553255,500	629,500	1,049	1049,167	3777,000
09-02-2008	15:17:48	553863,125	607,625	1,013	1012,708	3645,750
09-02-2008	15:27:48	554530,625	667,500	1,113	1112,500	4005,000
09-02-2008	15:37:48	555153,750	623,125	1,039	1038,542	3738,750
09-02-2008	15:47:48	555755,750	602,000	1,003	1003,333	3612,000
09-02-2008	15:57:48	556416,500	660,750	1,101	1101,250	3964,500
09-02-2008	16:07:48	557044,875	628,375	1,047	1047,292	3770,250
09-02-2008	16:17:48	557659,125	614,250	1,024	1023,750	3685,500
09-02-2008	16:27:48	558310,250	651,125	1,085	1085,208	3906,750
09-02-2008	16:37:48	558943,875	633,625	1,056	1056,042	3801,750
09-02-2008	16:47:48	559550,500	606,625	1,011	1011,042	3639,750
09-02-2008	16:57:48	560204,750	654,250	1,090	1090,417	3925,500
09-02-2008	17:07:48	560833,875	629,125	1,049	1048,542	3774,750
09-02-2008	17:17:48	561438,625	604,750	1,008	1007,917	3628,500

09-02-2008	17:27:48	562100,000	661,375	1,102	1102,292	3968,250
09-02-2008	17:37:48	562856,625	756,625	1,261	1261,042	4539,750
09-02-2008	17:47:48	563335,625	479,000	0,798	798,333	2874,000
09-02-2008	17:57:48	563990,125	654,500	1,091	1090,833	3927,000
09-02-2008	18:07:48	564749,875	759,750	1,266	1266,250	4558,500
09-02-2008	18:17:48	565405,375	655,500	1,093	1092,500	3933,000
09-02-2008	18:27:48	566034,375	629,000	1,048	1048,333	3774,000
09-02-2008	18:37:48	566558,250	523,875	0,873	873,125	3143,250
09-02-2008	18:47:48	567015,500	457,250	0,762	762,083	2743,500
09-02-2008	18:57:48	567451,500	436,000	0,727	726,667	2616,000
09-02-2008	19:07:48	567869,000	417,500	0,696	695,833	2505,000
09-02-2008	19:17:48	568326,875	457,875	0,763	763,125	2747,250
09-02-2008	19:27:48	568762,625	435,750	0,726	726,250	2614,500
09-02-2008	19:37:49	569183,500	420,875	0,701	701,458	2525,250
09-02-2008	19:47:49	569638,750	455,250	0,759	758,750	2731,500
09-02-2008	19:57:49	570075,625	436,875	0,728	728,125	2621,250
09-02-2008	20:07:49	570496,875	421,250	0,702	702,083	2527,500
09-02-2008	20:17:49	570955,125	458,250	0,764	763,750	2749,500
09-02-2008	20:27:49	571387,625	432,500	0,721	720,833	2595,000
09-02-2008	20:37:49	571806,000	418,375	0,697	697,292	2510,250
09-02-2008	20:47:49	572269,000	463,000	0,772	771,667	2778,000
09-02-2008	20:57:49	572702,875	433,875	0,723	723,125	2603,250
09-02-2008	21:07:49	573125,375	422,500	0,704	704,167	2535,000
09-02-2008	21:17:49	573579,375	454,000	0,757	756,667	2724,000
09-02-2008	21:27:49	574020,375	441,000	0,735	735,000	2646,000
09-02-2008	21:37:49	574439,125	418,750	0,698	697,917	2512,500
09-02-2008	21:47:49	574897,250	458,125	0,764	763,542	2748,750
09-02-2008	21:57:49	575426,125	528,875	0,881	881,458	3173,250
09-02-2008	22:07:49	575751,375	325,250	0,542	542,083	1951,500
09-02-2008	22:17:49	576209,375	458,000	0,763	763,333	2748,000
09-02-2008	22:27:49	576735,750	526,375	0,877	877,292	3158,250
09-02-2008	22:37:49	577198,250	462,500	0,771	770,833	2775,000
09-02-2008	22:47:49	577631,625	433,375	0,722	722,292	2600,250
09-02-2008	22:57:49	578054,250	422,625	0,704	704,375	2535,750
09-02-2008	23:07:49	578510,375	456,125	0,760	760,208	2736,750
09-02-2008	23:17:49	578946,125	435,750	0,726	726,250	2614,500
09-02-2008	23:27:49	579254,875	308,750	0,515	514,583	1852,500
09-02-2008	23:37:49	579491,750	236,875	0,395	394,792	1421,250
09-02-2008	23:47:49	579721,625	229,875	0,383	383,125	1379,250
09-02-2008	23:57:49	579940,250	218,625	0,364	364,375	1311,750
10-02-2008	00:00:26	580007,875	67,625	0,431	430,732	1550,637

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:26	580007,875				
10-02-2008	00:07:49	580180,125	172,250	0,389	388,826	1399,774
10-02-2008	00:17:49	580408,125	228,000	0,380	380,000	1368,000
10-02-2008	00:27:49	580626,500	218,375	0,364	363,958	1310,250
10-02-2008	00:37:49	580866,750	240,250	0,400	400,417	1441,500
10-02-2008	00:47:49	581095,000	228,250	0,380	380,417	1369,500
10-02-2008	00:57:49	581316,000	221,000	0,368	368,333	1326,000
10-02-2008	01:07:50	581556,500	240,500	0,401	400,833	1443,000
10-02-2008	01:17:50	581782,750	226,250	0,377	377,083	1357,500
10-02-2008	01:27:50	582003,500	220,750	0,368	367,917	1324,500
10-02-2008	01:37:50	582241,750	238,250	0,397	397,083	1429,500
10-02-2008	01:47:50	582471,000	229,250	0,382	382,083	1375,500
10-02-2008	01:57:50	582691,625	220,625	0,368	367,708	1323,750
10-02-2008	02:07:50	583038,750	347,125	0,579	578,542	2082,750
10-02-2008	02:17:50	583571,625	532,875	0,888	888,125	3197,250
10-02-2008	02:27:50	583899,250	327,625	0,546	546,042	1965,750
10-02-2008	02:37:50	584360,375	461,125	0,769	768,542	2766,750
10-02-2008	02:47:50	584890,375	530,000	0,883	883,333	3180,000
10-02-2008	02:57:50	585216,875	326,500	0,544	544,167	1959,000
10-02-2008	03:07:50	585784,625	567,750	0,946	946,250	3406,500
10-02-2008	03:17:51	586203,250	418,625	0,698	697,708	2511,750
10-02-2008	03:27:51	586666,875	463,625	0,773	772,708	2781,750
10-02-2008	03:37:51	587100,500	433,625	0,723	722,708	2601,750
10-02-2008	03:47:51	587523,875	423,375	0,706	705,625	2540,250
10-02-2008	03:57:51	587984,250	460,375	0,767	767,292	2762,250
10-02-2008	04:07:51	588422,250	438,000	0,730	730,000	2628,000
10-02-2008	04:17:51	588845,375	423,125	0,705	705,208	2538,750
10-02-2008	04:27:51	589301,250	455,875	0,760	759,792	2735,250
10-02-2008	04:37:51	589739,625	438,375	0,731	730,625	2630,250
10-02-2008	04:47:51	590163,125	423,500	0,706	705,833	2541,000
10-02-2008	04:57:51	590623,375	460,250	0,767	767,083	2761,500
10-02-2008	05:07:51	591057,875	434,500	0,724	724,167	2607,000
10-02-2008	05:17:51	591480,500	422,625	0,704	704,375	2535,750
10-02-2008	05:27:51	591940,500	460,000	0,767	766,667	2760,000
10-02-2008	05:37:52	592374,750	434,250	0,724	723,750	2605,500
10-02-2008	05:47:52	592798,000	423,250	0,705	705,417	2539,500
10-02-2008	05:57:52	593255,125	457,125	0,762	761,875	2742,750
10-02-2008	06:07:52	593696,625	441,500	0,736	735,833	2649,000
10-02-2008	06:17:52	594120,250	423,625	0,706	706,042	2541,750
10-02-2008	06:27:52	594577,125	456,875	0,761	761,458	2741,250
10-02-2008	06:37:52	595014,875	437,750	0,730	729,583	2626,500
10-02-2008	06:47:52	595434,625	419,750	0,700	699,583	2518,500
10-02-2008	06:57:52	595896,000	461,375	0,769	768,958	2768,250
10-02-2008	07:07:52	596423,125	527,125	0,879	878,542	3162,750
10-02-2008	07:17:52	596756,750	333,625	0,556	556,042	2001,750
10-02-2008	07:27:52	597321,000	564,250	0,940	940,417	3385,500

10-02-2008	07:37:52	597744,000	423,000	0,705	705,000	2538,000
10-02-2008	07:47:52	598199,875	455,875	0,760	759,792	2735,250
10-02-2008	07:57:52	598641,500	441,625	0,736	736,042	2649,750
10-02-2008	08:07:52	599064,625	423,125	0,705	705,208	2538,750
10-02-2008	08:17:52	599521,625	457,000	0,762	761,667	2742,000
10-02-2008	08:27:52	599959,750	438,125	0,730	730,208	2628,750
10-02-2008	08:37:52	600378,875	419,125	0,699	698,542	2514,750
10-02-2008	08:47:52	600835,250	456,375	0,761	760,625	2738,250
10-02-2008	08:57:52	601234,375	399,125	0,665	665,208	2394,750
10-02-2008	09:07:52	601453,125	218,750	0,365	364,583	1312,500
10-02-2008	09:17:52	601690,125	237,000	0,395	395,000	1422,000
10-02-2008	09:27:52	601917,125	227,000	0,378	378,333	1362,000
10-02-2008	09:37:52	602138,500	221,375	0,369	368,958	1328,250
10-02-2008	09:47:52	602371,375	232,875	0,388	388,125	1397,250
10-02-2008	09:57:52	602604,250	232,875	0,388	388,125	1397,250
10-02-2008	10:07:52	602821,875	217,625	0,363	362,708	1305,750
10-02-2008	10:17:52	603055,000	233,125	0,389	388,542	1398,750
10-02-2008	10:27:53	603288,125	233,125	0,389	388,542	1398,750
10-02-2008	10:37:53	603505,375	217,250	0,362	362,083	1303,500
10-02-2008	10:47:53	603741,750	236,375	0,394	393,958	1418,250
10-02-2008	10:57:53	603970,875	229,125	0,382	381,875	1374,750
10-02-2008	11:07:53	604190,375	219,500	0,366	365,833	1317,000
10-02-2008	11:17:53	604425,000	234,625	0,391	391,042	1407,750
10-02-2008	11:27:53	604703,375	278,375	0,464	463,958	1670,250
10-02-2008	11:37:53	604872,375	169,000	0,282	281,667	1014,000
10-02-2008	11:47:53	605106,625	234,250	0,390	390,417	1405,500
10-02-2008	11:57:53	605383,375	276,750	0,461	461,250	1660,500
10-02-2008	12:07:53	605810,000	426,625	0,711	711,042	2559,750
10-02-2008	12:17:53	606249,875	439,875	0,733	733,125	2639,250
10-02-2008	12:27:53	606671,250	421,375	0,702	702,292	2528,250
10-02-2008	12:37:53	607121,875	450,625	0,751	751,042	2703,750
10-02-2008	12:47:53	607564,625	442,750	0,738	737,917	2656,500
10-02-2008	12:57:53	607982,500	417,875	0,696	696,458	2507,250
10-02-2008	13:07:53	608437,500	455,000	0,758	758,333	2730,000
10-02-2008	13:17:53	608876,750	439,250	0,732	732,083	2635,500
10-02-2008	13:27:53	609298,625	421,875	0,703	703,125	2531,250
10-02-2008	13:37:53	609754,000	455,375	0,759	758,958	2732,250
10-02-2008	13:47:53	610193,125	439,125	0,732	731,875	2634,750
10-02-2008	13:57:53	610610,750	417,625	0,696	696,042	2505,750
10-02-2008	14:07:53	611061,750	451,000	0,752	751,667	2706,000
10-02-2008	14:17:53	611506,125	444,375	0,741	740,625	2666,250
10-02-2008	14:27:53	611927,625	421,500	0,703	702,500	2529,000
10-02-2008	14:37:53	612379,000	451,375	0,752	752,292	2708,250
10-02-2008	14:47:53	612819,500	440,500	0,734	734,167	2643,000
10-02-2008	14:57:53	613245,750	426,250	0,710	710,417	2557,500
10-02-2008	15:07:53	613694,000	448,250	0,747	747,083	2689,500
10-02-2008	15:17:53	614137,750	443,750	0,740	739,583	2662,500
10-02-2008	15:27:54	614559,125	421,375	0,702	702,292	2528,250
10-02-2008	15:37:54	615014,500	455,375	0,759	758,958	2732,250
10-02-2008	15:47:54	615462,500	448,000	0,747	746,667	2688,000
10-02-2008	15:57:54	615880,625	418,125	0,697	696,875	2508,750

10-02-2008	16:07:54	616332,625	452,000	0,753	753,333	2712,000
10-02-2008	16:17:54	616782,000	449,375	0,749	748,958	2696,250
10-02-2008	16:27:54	617201,250	419,250	0,699	698,750	2515,500
10-02-2008	16:37:54	617656,625	455,375	0,759	758,958	2732,250
10-02-2008	16:47:54	618188,625	532,000	0,887	886,667	3192,000
10-02-2008	16:57:54	618521,000	332,375	0,554	553,958	1994,250
10-02-2008	17:07:54	618972,000	451,000	0,752	751,667	2706,000
10-02-2008	17:17:54	619508,875	536,875	0,895	894,792	3221,250
10-02-2008	17:27:54	619841,750	332,875	0,555	554,792	1997,250
10-02-2008	17:37:54	620292,750	451,000	0,752	751,667	2706,000
10-02-2008	17:47:54	620829,375	536,625	0,894	894,375	3219,750
10-02-2008	17:57:54	621280,375	451,000	0,752	751,667	2706,000
10-02-2008	18:07:54	621723,875	443,500	0,739	739,167	2661,000
10-02-2008	18:17:54	622145,375	421,500	0,703	702,500	2529,000
10-02-2008	18:27:54	622599,750	454,375	0,757	757,292	2726,250
10-02-2008	18:37:54	623043,875	444,125	0,740	740,208	2664,750
10-02-2008	18:47:54	623417,625	373,750	0,623	622,917	2242,500
10-02-2008	18:57:54	623861,125	443,500	0,739	739,167	2661,000
10-02-2008	19:07:54	624278,000	416,875	0,695	694,792	2501,250
10-02-2008	19:17:54	624728,750	450,750	0,751	751,250	2704,500
10-02-2008	19:27:54	625261,500	532,750	0,888	887,917	3196,500
10-02-2008	19:37:54	625590,875	329,375	0,549	548,958	1976,250
10-02-2008	19:47:54	626049,875	459,000	0,765	765,000	2754,000
10-02-2008	19:57:54	626579,750	529,875	0,883	883,125	3179,250
10-02-2008	20:07:54	627034,250	454,500	0,758	757,500	2727,000
10-02-2008	20:17:54	627473,875	439,625	0,733	732,708	2637,750
10-02-2008	20:27:54	627892,000	418,125	0,697	696,875	2508,750
10-02-2008	20:37:54	628343,875	451,875	0,753	753,125	2711,250
10-02-2008	20:47:54	628788,000	444,125	0,740	740,208	2664,750
10-02-2008	20:57:54	629210,125	422,125	0,704	703,542	2532,750
10-02-2008	21:07:54	629668,875	458,750	0,765	764,583	2752,500
10-02-2008	21:17:54	630101,250	432,375	0,721	720,625	2594,250
10-02-2008	21:27:54	630523,375	422,125	0,704	703,542	2532,750
10-02-2008	21:37:54	630978,500	455,125	0,759	758,542	2730,750
10-02-2008	21:47:54	631418,625	440,125	0,734	733,542	2640,750
10-02-2008	21:57:55	631840,625	422,000	0,703	703,333	2532,000
10-02-2008	22:07:55	632288,500	447,875	0,746	746,458	2687,250
10-02-2008	22:17:55	632731,625	443,125	0,739	738,542	2658,750
10-02-2008	22:27:55	633153,875	422,250	0,704	703,750	2533,500
10-02-2008	22:37:55	633606,375	452,500	0,754	754,167	2715,000
10-02-2008	22:47:55	634046,875	440,500	0,734	734,167	2643,000
10-02-2008	22:57:55	634472,375	425,500	0,709	709,167	2553,000
10-02-2008	23:07:55	634920,750	448,375	0,747	747,292	2690,250
10-02-2008	23:17:55	635364,625	443,875	0,740	739,792	2663,250
10-02-2008	23:27:55	635783,000	418,375	0,697	697,292	2510,250
10-02-2008	23:37:55	636239,125	456,125	0,760	760,208	2736,750
10-02-2008	23:47:55	636679,750	440,625	0,734	734,375	2643,750
10-02-2008	23:57:55	637102,125	422,375	0,704	703,958	2534,250
11-02-2008	00:00:13	637224,250	122,125	0,885	884,964	3185,870

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	637224,250				
11-02-2008	00:07:55	637557,000	332,750	0,720	720,238	2592,857
11-02-2008	00:17:55	637942,000	385,000	0,642	641,667	2310,000
11-02-2008	00:27:55	638113,000	171,000	0,285	285,000	1026,000
11-02-2008	00:37:55	638346,000	233,000	0,388	388,333	1398,000
11-02-2008	00:47:55	638625,250	279,250	0,465	465,417	1675,500
11-02-2008	00:57:55	638860,375	235,125	0,392	391,875	1410,750
11-02-2008	01:07:55	639092,125	231,750	0,386	386,250	1390,500
11-02-2008	01:17:55	639311,000	218,875	0,365	364,792	1313,250
11-02-2008	01:27:55	639547,625	236,625	0,394	394,375	1419,750
11-02-2008	01:37:55	639780,250	232,625	0,388	387,708	1395,750
11-02-2008	01:47:55	640001,125	220,875	0,368	368,125	1325,250
11-02-2008	01:57:55	640237,750	236,625	0,394	394,375	1419,750
11-02-2008	02:07:55	640468,625	230,875	0,385	384,792	1385,250
11-02-2008	02:17:55	640691,125	222,500	0,371	370,833	1335,000
11-02-2008	02:27:56	640927,375	236,250	0,394	393,750	1417,500
11-02-2008	02:37:56	641158,375	231,000	0,385	385,000	1386,000
11-02-2008	02:47:56	641379,500	221,125	0,369	368,542	1326,750
11-02-2008	02:57:56	641614,500	235,000	0,392	391,667	1410,000
11-02-2008	03:07:56	641927,375	312,875	0,521	521,458	1877,250
11-02-2008	03:17:56	642348,000	420,625	0,701	701,042	2523,750
11-02-2008	03:27:56	642808,250	460,250	0,767	767,083	2761,500
11-02-2008	03:37:56	643246,500	438,250	0,730	730,417	2629,500
11-02-2008	03:47:56	643673,000	426,500	0,711	710,833	2559,000
11-02-2008	03:57:56	644125,500	452,500	0,754	754,167	2715,000
11-02-2008	04:07:56	644571,000	445,500	0,743	742,500	2673,000
11-02-2008	04:17:56	644989,750	418,750	0,698	697,917	2512,500
11-02-2008	04:27:56	645438,625	448,875	0,748	748,125	2693,250
11-02-2008	04:37:56	645883,375	444,750	0,741	741,250	2668,500
11-02-2008	04:47:56	646305,625	422,250	0,704	703,750	2533,500
11-02-2008	04:57:56	646761,500	455,875	0,760	759,792	2735,250
11-02-2008	05:07:56	647292,875	531,375	0,886	885,625	3188,250
11-02-2008	05:17:56	647627,125	334,250	0,557	557,083	2005,500
11-02-2008	05:27:56	648186,750	559,625	0,933	932,708	3357,750
11-02-2008	05:37:56	648612,625	425,875	0,710	709,792	2555,250
11-02-2008	05:47:56	649064,125	451,500	0,753	752,500	2709,000
11-02-2008	05:57:56	649508,500	444,375	0,741	740,625	2666,250
11-02-2008	06:07:56	649927,750	419,250	0,699	698,750	2515,500
11-02-2008	06:17:56	650376,500	448,750	0,748	747,917	2692,500
11-02-2008	06:27:56	650820,500	444,000	0,740	740,000	2664,000
11-02-2008	06:37:56	651239,000	418,500	0,698	697,500	2511,000
11-02-2008	06:47:56	651698,500	459,500	0,766	765,833	2757,000
11-02-2008	06:57:56	652136,250	437,750	0,730	729,583	2626,500
11-02-2008	07:07:56	652566,875	430,625	0,718	717,708	2583,750
11-02-2008	07:17:56	652958,000	391,125	0,652	651,875	2346,750
11-02-2008	07:27:56	653188,250	230,250	0,384	383,750	1381,500
11-02-2008	07:37:57	653406,125	217,875	0,363	363,125	1307,250
11-02-2008	07:47:57	653641,125	235,000	0,392	391,667	1410,000
11-02-2008	07:57:57	653872,250	231,125	0,385	385,208	1386,750
11-02-2008	08:07:57	654090,500	218,250	0,364	363,750	1309,500

11-02-2008	08:17:57	654330,125	239,625	0,399	399,375	1437,750
11-02-2008	08:27:57	654556,250	226,125	0,377	376,875	1356,750
11-02-2008	08:37:57	654778,125	221,875	0,370	369,792	1331,250
11-02-2008	08:47:57	655013,500	235,375	0,392	392,292	1412,250
11-02-2008	08:57:57	655244,875	231,375	0,386	385,625	1388,250
11-02-2008	09:07:57	655625,625	380,750	0,635	634,583	2284,500
11-02-2008	09:17:57	656087,625	462,000	0,770	770,000	2772,000
11-02-2008	09:27:57	656559,750	472,125	0,787	786,875	2832,750
11-02-2008	09:37:57	656819,125	259,375	0,432	432,292	1556,250
11-02-2008	09:47:57	657195,500	376,375	0,627	627,292	2258,250
11-02-2008	09:57:57	657668,500	473,000	0,788	788,333	2838,000
11-02-2008	10:07:57	657964,750	296,250	0,494	493,750	1777,500
11-02-2008	10:17:57	658464,875	500,125	0,834	833,542	3000,750
11-02-2008	10:27:57	658843,500	378,625	0,631	631,042	2271,750
11-02-2008	10:37:57	659241,375	397,875	0,663	663,125	2387,250
11-02-2008	10:47:57	659517,250	275,875	0,460	459,792	1655,250
11-02-2008	10:57:57	659887,250	370,000	0,617	616,667	2220,000
11-02-2008	11:07:57	660173,000	285,750	0,476	476,250	1714,500
11-02-2008	11:17:57	660449,875	276,875	0,461	461,458	1661,250
11-02-2008	11:27:57	660715,625	265,750	0,443	442,917	1594,500
11-02-2008	11:37:57	661010,625	295,000	0,492	491,667	1770,000
11-02-2008	11:47:57	661296,500	285,875	0,476	476,458	1715,250
11-02-2008	11:57:57	661576,750	280,250	0,467	467,083	1681,500
11-02-2008	12:07:57	662079,500	502,750	0,838	837,917	3016,500
11-02-2008	12:17:57	662730,250	650,750	1,085	1084,583	3904,500
11-02-2008	12:27:57	663348,000	617,750	1,030	1029,583	3706,500
11-02-2008	12:37:57	664008,875	660,875	1,101	1101,458	3965,250
11-02-2008	12:47:57	664659,875	651,000	1,085	1085,000	3906,000
11-02-2008	12:57:57	665300,875	641,000	1,068	1068,333	3846,000
11-02-2008	13:07:57	666257,750	956,875	1,595	1594,792	5741,250
11-02-2008	13:17:57	667183,500	925,750	1,543	1542,917	5554,500
11-02-2008	13:27:57	668079,625	896,125	1,494	1493,542	5376,750
11-02-2008	13:37:57	669030,250	950,625	1,584	1584,375	5703,750
11-02-2008	13:47:57	669963,000	932,750	1,555	1554,583	5596,500
11-02-2008	13:57:57	670841,250	878,250	1,464	1463,750	5269,500
11-02-2008	14:07:58	671797,000	955,750	1,593	1592,917	5734,500
11-02-2008	14:17:58	672723,000	926,000	1,543	1543,333	5556,000
11-02-2008	14:27:58	673609,625	886,625	1,478	1477,708	5319,750
11-02-2008	14:37:58	674559,000	949,375	1,582	1582,292	5696,250
11-02-2008	14:47:58	675500,250	941,250	1,569	1568,750	5647,500
11-02-2008	14:57:58	676371,500	871,250	1,452	1452,083	5227,500
11-02-2008	15:07:58	677330,375	958,875	1,598	1598,125	5753,250
11-02-2008	15:17:58	678461,250	1130,875	1,885	1884,792	6785,250
11-02-2008	15:27:58	679152,750	691,500	1,153	1152,500	4149,000
11-02-2008	15:37:58	680110,375	957,625	1,596	1596,042	5745,750
11-02-2008	15:47:58	681242,375	1132,000	1,887	1886,667	6792,000
11-02-2008	15:57:58	682196,000	953,625	1,589	1589,375	5721,750
11-02-2008	16:07:58	683136,625	940,625	1,568	1567,708	5643,750
11-02-2008	16:17:58	684022,125	885,500	1,476	1475,833	5313,000
11-02-2008	16:27:58	684983,000	960,875	1,601	1601,458	5765,250
11-02-2008	16:37:58	685921,125	938,125	1,564	1563,542	5628,750
11-02-2008	16:47:58	686813,375	892,250	1,487	1487,083	5353,500
11-02-2008	16:57:58	687803,125	989,750	1,650	1649,583	5938,500
11-02-2008	17:07:58	688816,250	1013,125	1,689	1688,542	6078,750
11-02-2008	17:17:58	689786,875	970,625	1,618	1617,708	5823,750

11-02-2008	17:27:58	690571,125	784,250	1,307	1307,083	4705,500
11-02-2008	17:37:58	691311,125	740,000	1,233	1233,333	4440,000
11-02-2008	17:47:58	692021,250	710,125	1,184	1183,542	4260,750
11-02-2008	17:57:58	692780,500	759,250	1,265	1265,417	4555,500
11-02-2008	18:07:58	693527,125	746,625	1,244	1244,375	4479,750
11-02-2008	18:17:58	694242,750	715,625	1,193	1192,708	4293,750
11-02-2008	18:27:58	695001,375	758,625	1,264	1264,375	4551,750
11-02-2008	18:37:58	695752,500	751,125	1,252	1251,875	4506,750
11-02-2008	18:50:08	696250,000	497,500	0,829	829,167	2985,000
11-02-2008	19:00:08	696644,000	394,000	0,657	656,667	2364,000
11-02-2008	19:10:08	697018,250	374,250	0,624	623,750	2245,500
11-02-2008	19:20:08	697422,375	404,125	0,674	673,542	2424,750
11-02-2008	19:30:08	697813,750	391,375	0,652	652,292	2348,250
11-02-2008	19:40:35	698191,375	377,625	0,629	629,375	2265,750
11-02-2008	19:51:37	698694,250	502,875	0,838	838,125	3017,250
11-02-2008	20:01:37	699072,375	378,125	0,630	630,208	2268,750
11-02-2008	20:11:37	699472,750	400,375	0,667	667,292	2402,250
11-02-2008	20:21:37	699866,750	394,000	0,657	656,667	2364,000
11-02-2008	20:31:37	700237,875	371,125	0,619	618,542	2226,750
11-02-2008	20:41:37	700639,375	401,500	0,669	669,167	2409,000
11-02-2008	20:51:37	701037,250	397,875	0,663	663,125	2387,250
11-02-2008	21:01:37	701408,750	371,500	0,619	619,167	2229,000
11-02-2008	21:11:37	701812,250	403,500	0,673	672,500	2421,000
11-02-2008	21:21:37	702206,375	394,125	0,657	656,875	2364,750
11-02-2008	21:31:38	702581,375	375,000	0,625	625,000	2250,000
11-02-2008	21:41:38	702982,125	400,750	0,668	667,917	2404,500
11-02-2008	21:51:38	703377,125	395,000	0,658	658,333	2370,000
11-02-2008	22:01:38	703749,250	372,125	0,620	620,208	2232,750
11-02-2008	22:11:38	704153,250	404,000	0,673	673,333	2424,000
11-02-2008	22:21:38	704544,375	391,125	0,652	651,875	2346,750
11-02-2008	22:31:38	704923,125	378,750	0,631	631,250	2272,500
11-02-2008	22:41:38	705324,500	401,375	0,669	668,958	2408,250
11-02-2008	22:51:38	705719,375	394,875	0,658	658,125	2369,250
11-02-2008	23:01:38	706095,375	376,000	0,627	626,667	2256,000
11-02-2008	23:11:38	706497,250	401,875	0,670	669,792	2411,250
11-02-2008	23:21:38	706892,250	395,000	0,658	658,333	2370,000
11-02-2008	23:31:38	707264,375	372,125	0,620	620,208	2232,750
11-02-2008	23:41:38	707673,625	409,250	0,682	682,083	2455,500
11-02-2008	23:51:38	708062,750	389,125	0,649	648,542	2334,750
12-02-2008	00:00:04	708442,000	379,250	0,750	749,506	2698,221

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	708442,000				
12-02-2008	00:01:38	708442,000	0,000	0,000	0,000	0,000
12-02-2008	00:11:38	708843,625	401,625	0,669	669,375	2409,750
12-02-2008	00:21:38	709238,000	394,375	0,657	657,292	2366,250
12-02-2008	00:31:38	709626,875	388,875	0,648	648,125	2333,250
12-02-2008	00:41:38	710389,500	762,625	1,271	1271,042	4575,750
12-02-2008	00:51:38	711292,125	902,625	1,504	1504,375	5415,750
12-02-2008	01:01:38	711845,625	553,500	0,923	922,500	3321,000
12-02-2008	01:11:38	712609,000	763,375	1,272	1272,292	4580,250
12-02-2008	01:21:38	713502,625	893,625	1,489	1489,375	5361,750
12-02-2008	01:31:38	714260,500	757,875	1,263	1263,125	4547,250
12-02-2008	01:41:38	715006,125	745,625	1,243	1242,708	4473,750
12-02-2008	01:51:38	715716,000	709,875	1,183	1183,125	4259,250
12-02-2008	02:01:38	716475,500	759,500	1,266	1265,833	4557,000
12-02-2008	02:11:38	717221,500	746,000	1,243	1243,333	4476,000
12-02-2008	02:21:38	717929,250	707,750	1,180	1179,583	4246,500
12-02-2008	02:31:39	718688,000	758,750	1,265	1264,583	4552,500
12-02-2008	02:41:39	719427,750	739,750	1,233	1232,917	4438,500
12-02-2008	02:51:39	720136,500	708,750	1,181	1181,250	4252,500
12-02-2008	03:01:39	720895,250	758,750	1,265	1264,583	4552,500
12-02-2008	03:11:39	721641,875	746,625	1,244	1244,375	4479,750
12-02-2008	03:21:39	722350,750	708,875	1,181	1181,458	4253,250
12-02-2008	03:31:39	723108,625	757,875	1,263	1263,125	4547,250
12-02-2008	03:41:39	723847,000	738,375	1,231	1230,625	4430,250
12-02-2008	03:51:39	724554,375	707,375	1,179	1178,958	4244,250
12-02-2008	04:01:39	725318,000	763,625	1,273	1272,708	4581,750
12-02-2008	04:11:39	726057,375	739,375	1,232	1232,292	4436,250
12-02-2008	04:21:39	726771,500	714,125	1,190	1190,208	4284,750
12-02-2008	04:31:39	727528,875	757,375	1,262	1262,292	4544,250
12-02-2008	04:41:39	728273,375	744,500	1,241	1240,833	4467,000
12-02-2008	04:51:39	728974,000	700,625	1,168	1167,708	4203,750
12-02-2008	05:01:39	729731,000	757,000	1,262	1261,667	4542,000
12-02-2008	05:11:39	730477,125	746,125	1,244	1243,542	4476,750
12-02-2008	05:21:39	731183,875	706,750	1,178	1177,917	4240,500
12-02-2008	05:31:39	731945,875	762,000	1,270	1270,000	4572,000
12-02-2008	05:41:40	732683,500	737,625	1,229	1229,375	4425,750
12-02-2008	05:51:40	733389,500	706,000	1,177	1176,667	4236,000
12-02-2008	06:01:40	734145,750	756,250	1,260	1260,417	4537,500
12-02-2008	06:11:40	735047,500	901,750	1,503	1502,917	5410,500
12-02-2008	06:21:40	735600,125	552,625	0,921	921,042	3315,750
12-02-2008	06:31:40	736357,000	756,875	1,261	1261,458	4541,250
12-02-2008	06:41:40	737256,000	899,000	1,498	1498,333	5394,000
12-02-2008	06:51:40	738012,375	756,375	1,261	1260,625	4538,250
12-02-2008	07:01:40	738751,375	739,000	1,232	1231,667	4434,000
12-02-2008	07:11:40	739458,375	707,000	1,178	1178,333	4242,000
12-02-2008	07:21:40	740220,250	761,875	1,270	1269,792	4571,250
12-02-2008	07:31:40	740958,500	738,250	1,230	1230,417	4429,500
12-02-2008	07:41:40	741664,500	706,000	1,177	1176,667	4236,000
12-02-2008	07:51:40	742419,875	755,375	1,259	1258,958	4532,250
12-02-2008	08:01:40	743165,500	745,625	1,243	1242,708	4473,750

12-02-2008	08:11:40	743873,000	707,500	1,179	1179,167	4245,000
12-02-2008	08:21:40	744625,125	752,125	1,254	1253,542	4512,750
12-02-2008	08:31:40	745375,750	750,625	1,251	1251,042	4503,750
12-02-2008	08:41:40	746076,500	700,750	1,168	1167,917	4204,500
12-02-2008	08:51:40	746841,500	765,000	1,275	1275,000	4590,000
12-02-2008	09:01:40	747580,750	739,250	1,232	1232,083	4435,500
12-02-2008	09:11:40	748288,125	707,375	1,179	1178,958	4244,250
12-02-2008	09:21:40	749038,000	749,875	1,250	1249,792	4499,250
12-02-2008	09:31:40	749424,875	386,875	0,645	644,792	2321,250
12-02-2008	09:41:40	749799,375	374,500	0,624	624,167	2247,000
12-02-2008	09:51:40	750200,375	401,000	0,668	668,333	2406,000
12-02-2008	10:01:40	750595,125	394,750	0,658	657,917	2368,500
12-02-2008	10:11:40	750976,750	381,625	0,636	636,042	2289,750
12-02-2008	10:21:40	751377,625	400,875	0,668	668,125	2405,250
12-02-2008	10:31:40	751768,250	390,625	0,651	651,042	2343,750
12-02-2008	10:41:40	752149,125	380,875	0,635	634,792	2285,250
12-02-2008	10:51:40	752549,875	400,750	0,668	667,917	2404,500
12-02-2008	11:01:40	752944,375	394,500	0,658	657,500	2367,000
12-02-2008	11:11:40	753318,250	373,875	0,623	623,125	2243,250
12-02-2008	11:21:40	753719,375	401,125	0,669	668,542	2406,750
12-02-2008	11:31:40	754113,250	393,875	0,656	656,458	2363,250
12-02-2008	11:41:41	754486,625	373,375	0,622	622,292	2240,250
12-02-2008	11:51:41	754886,625	400,000	0,667	666,667	2400,000
12-02-2008	12:01:41	755362,625	476,000	0,793	793,333	2856,000
12-02-2008	12:11:41	755828,625	466,000	0,777	776,667	2796,000
12-02-2008	12:21:41	756859,000	1030,375	1,717	1717,292	6182,250
12-02-2008	12:31:41	758062,000	1203,000	2,005	2005,000	7218,000
12-02-2008	12:41:41	758991,000	929,000	1,548	1548,333	5574,000
12-02-2008	12:51:41	759638,875	647,875	1,080	1079,792	3887,250
12-02-2008	13:01:41	760665,625	1026,750	1,711	1711,250	6160,500
12-02-2008	13:11:41	761477,625	812,000	1,353	1353,333	4872,000
12-02-2008	13:21:41	762307,750	830,125	1,384	1383,542	4980,750
12-02-2008	13:31:41	763133,750	826,000	1,377	1376,667	4956,000
12-02-2008	13:41:41	764033,375	899,625	1,499	1499,375	5397,750
12-02-2008	13:51:41	764893,500	860,125	1,434	1433,542	5160,750
12-02-2008	14:01:41	765728,750	835,250	1,392	1392,083	5011,500
12-02-2008	14:11:41	766612,750	884,000	1,473	1473,333	5304,000
12-02-2008	14:21:41	767593,250	980,500	1,634	1634,167	5883,000
12-02-2008	14:31:41	768393,625	800,375	1,334	1333,958	4802,250
12-02-2008	14:41:41	769169,250	775,625	1,293	1292,708	4653,750
12-02-2008	14:51:41	769920,000	750,750	1,251	1251,250	4504,500
12-02-2008	15:01:41	770716,250	796,250	1,327	1327,083	4777,500
12-02-2008	15:11:41	771350,750	634,500	1,058	1057,500	3807,000
12-02-2008	15:21:41	772054,750	704,000	1,173	1173,333	4224,000
12-02-2008	15:31:41	772903,000	848,250	1,414	1413,750	5089,500
12-02-2008	15:41:41	773681,500	778,500	1,298	1297,500	4671,000
12-02-2008	15:51:41	774314,875	633,375	1,056	1055,625	3800,250
12-02-2008	16:01:41	775148,375	833,500	1,389	1389,167	5001,000
12-02-2008	16:11:41	775784,250	635,875	1,060	1059,792	3815,250
12-02-2008	16:21:41	776569,375	785,125	1,309	1308,542	4710,750
12-02-2008	16:31:41	777403,500	834,125	1,390	1390,208	5004,750
12-02-2008	16:41:41	778031,000	627,500	1,046	1045,833	3765,000
12-02-2008	16:51:42	778864,125	833,125	1,389	1388,542	4998,750
12-02-2008	17:01:42	779704,250	840,125	1,400	1400,208	5040,750
12-02-2008	17:11:42	780326,750	622,500	1,038	1037,500	3735,000

12-02-2008	17:21:42	781168,625	841,875	1,403	1403,125	5051,250
12-02-2008	17:31:42	781795,875	627,250	1,045	1045,417	3763,500
12-02-2008	17:41:42	782567,625	771,750	1,286	1286,250	4630,500
12-02-2008	17:51:42	783408,750	841,125	1,402	1401,875	5046,750
12-02-2008	18:01:42	784036,125	627,375	1,046	1045,625	3764,250
12-02-2008	18:11:42	784869,625	833,500	1,389	1389,167	5001,000
12-02-2008	18:21:42	785703,500	833,875	1,390	1389,792	5003,250
12-02-2008	18:31:42	786265,250	561,750	0,936	936,250	3370,500
12-02-2008	18:41:42	786596,875	331,625	0,553	552,708	1989,750
12-02-2008	18:51:42	787034,750	437,875	0,730	729,792	2627,250
12-02-2008	19:01:42	787370,375	335,625	0,559	559,375	2013,750
12-02-2008	19:11:42	787807,875	437,500	0,729	729,167	2625,000
12-02-2008	19:21:42	788205,250	397,375	0,662	662,292	2384,250
12-02-2008	19:31:42	788537,000	331,750	0,553	552,917	1990,500
12-02-2008	19:41:42	788977,875	440,875	0,735	734,792	2645,250
12-02-2008	19:51:42	789310,500	332,625	0,554	554,375	1995,750
12-02-2008	20:01:42	789747,875	437,375	0,729	728,958	2624,250
12-02-2008	20:11:42	790215,875	468,000	0,780	780,000	2808,000
12-02-2008	20:21:42	790742,375	526,500	0,878	877,500	3159,000
12-02-2008	20:31:42	791383,125	640,750	1,068	1067,917	3844,500
12-02-2008	20:41:42	791954,500	571,375	0,952	952,292	3428,250
12-02-2008	20:51:42	792372,250	417,750	0,696	696,250	2506,500
12-02-2008	21:01:42	792939,500	567,250	0,945	945,417	3403,500
12-02-2008	21:11:42	793516,375	576,875	0,961	961,458	3461,250
12-02-2008	21:21:42	794016,250	499,875	0,833	833,125	2999,250
12-02-2008	21:31:43	794711,375	695,125	1,159	1158,542	4170,750
12-02-2008	21:41:43	795638,750	927,375	1,546	1545,625	5564,250
12-02-2008	21:51:43	796382,250	743,500	1,239	1239,167	4461,000
12-02-2008	22:01:43	797382,125	999,875	1,666	1666,458	5999,250
12-02-2008	22:11:43	798344,375	962,250	1,604	1603,750	5773,500
12-02-2008	22:21:43	798984,625	640,250	1,067	1067,083	3841,500
12-02-2008	22:31:43	799809,250	824,625	1,374	1374,375	4947,750
12-02-2008	22:41:43	800443,375	634,125	1,057	1056,875	3804,750
12-02-2008	22:51:43	801263,875	820,500	1,368	1367,500	4923,000
12-02-2008	23:01:43	802097,250	833,375	1,389	1388,958	5000,250
12-02-2008	23:11:43	802723,500	626,250	1,044	1043,750	3757,500
12-02-2008	23:21:43	803546,375	822,875	1,371	1371,458	4937,250
12-02-2008	23:31:43	804159,875	613,500	1,023	1022,500	3681,000
12-02-2008	23:41:43	804985,250	825,375	1,376	1375,625	4952,250
12-02-2008	23:51:43	805810,750	825,500	1,376	1375,833	4953,000
13-02-2008	00:00:24	806437,875	627,125	1,204	1203,695	4333,301

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	806437,875				
13-02-2008	00:01:43	806437,875	0,000	0,000	0,000	0,000
13-02-2008	00:11:43	807261,625	823,750	1,373	1372,917	4942,500
13-02-2008	00:21:43	807887,625	626,000	1,043	1043,333	3756,000
13-02-2008	00:31:43	808713,250	825,625	1,376	1376,042	4953,750
13-02-2008	00:41:43	809462,875	749,625	1,249	1249,375	4497,750
13-02-2008	00:51:43	810096,000	633,125	1,055	1055,208	3798,750
13-02-2008	01:01:43	810926,625	830,625	1,384	1384,375	4983,750
13-02-2008	01:11:43	811545,625	619,000	1,032	1031,667	3714,000
13-02-2008	01:21:43	812369,500	823,875	1,373	1373,125	4943,250
13-02-2008	01:31:43	813133,000	763,500	1,273	1272,500	4581,000
13-02-2008	01:41:43	813958,000	825,000	1,375	1375,000	4950,000
13-02-2008	01:51:43	814578,750	620,750	1,035	1034,583	3724,500
13-02-2008	02:01:43	815403,500	824,750	1,375	1374,583	4948,500
13-02-2008	02:11:43	816017,375	613,875	1,023	1023,125	3683,250
13-02-2008	02:21:43	816841,625	824,250	1,374	1373,750	4945,500
13-02-2008	02:31:43	817609,375	767,750	1,280	1279,583	4606,500
13-02-2008	02:41:43	818223,000	613,625	1,023	1022,708	3681,750
13-02-2008	02:51:43	819048,875	825,875	1,376	1376,458	4955,250
13-02-2008	03:01:43	819879,750	830,875	1,385	1384,792	4985,250
13-02-2008	03:11:43	820431,375	551,625	0,919	919,375	3309,750
13-02-2008	03:21:43	821256,125	824,750	1,375	1374,583	4948,500
13-02-2008	03:31:43	822025,500	769,375	1,282	1282,292	4616,250
13-02-2008	03:41:43	822856,875	831,375	1,386	1385,625	4988,250
13-02-2008	03:51:43	823465,375	608,500	1,014	1014,167	3651,000
13-02-2008	04:01:43	824296,750	831,375	1,386	1385,625	4988,250
13-02-2008	04:11:43	824923,500	626,750	1,045	1044,583	3760,500
13-02-2008	04:21:43	825744,750	821,250	1,369	1368,750	4927,500
13-02-2008	04:31:43	826276,375	531,625	0,886	886,042	3189,750
13-02-2008	04:41:43	826942,375	666,000	1,110	1110,000	3996,000
13-02-2008	04:51:43	827554,625	612,250	1,020	1020,417	3673,500
13-02-2008	05:01:43	827969,750	415,125	0,692	691,875	2490,750
13-02-2008	05:11:43	828540,875	571,125	0,952	951,875	3426,750
13-02-2008	05:21:43	829013,625	472,750	0,788	787,917	2836,500
13-02-2008	05:31:44	829684,250	670,625	1,118	1117,708	4023,750
13-02-2008	05:41:44	830397,625	713,375	1,189	1188,958	4280,250
13-02-2008	05:51:44	830925,250	527,625	0,879	879,375	3165,750
13-02-2008	06:01:44	831627,375	702,125	1,170	1170,208	4212,750
13-02-2008	06:11:44	832162,625	535,250	0,892	892,083	3211,500
13-02-2008	06:21:44	832872,000	709,375	1,182	1182,292	4256,250
13-02-2008	06:31:44	833421,500	549,500	0,916	915,833	3297,000
13-02-2008	06:41:44	833856,250	434,750	0,725	724,583	2608,500
13-02-2008	06:51:44	834295,250	439,000	0,732	731,667	2634,000
13-02-2008	07:01:44	834620,500	325,250	0,542	542,083	1951,500
13-02-2008	07:11:44	835057,250	436,750	0,728	727,917	2620,500
13-02-2008	07:21:44	835385,250	328,000	0,547	546,667	1968,000
13-02-2008	07:31:44	835788,625	403,375	0,672	672,292	2420,250
13-02-2008	07:41:44	836224,750	436,125	0,727	726,875	2616,750
13-02-2008	07:51:44	836552,750	328,000	0,547	546,667	1968,000

13-02-2008	08:01:44	836989,125	436,375	0,727	727,292	2618,250
13-02-2008	08:11:44	837429,000	439,875	0,733	733,125	2639,250
13-02-2008	08:21:44	837760,375	331,375	0,552	552,292	1988,250
13-02-2008	08:31:44	838156,750	396,375	0,661	660,625	2378,250
13-02-2008	08:41:44	838593,250	436,500	0,728	727,500	2619,000
13-02-2008	08:51:44	838931,125	337,875	0,563	563,125	2027,250
13-02-2008	09:01:44	839367,125	436,000	0,727	726,667	2616,000
13-02-2008	09:11:44	839764,250	397,125	0,662	661,875	2382,750
13-02-2008	09:21:44	840095,500	331,250	0,552	552,083	1987,500
13-02-2008	09:31:44	840535,375	439,875	0,733	733,125	2639,250
13-02-2008	09:41:44	840863,375	328,000	0,547	546,667	1968,000
13-02-2008	09:51:44	841299,750	436,375	0,727	727,292	2618,250
13-02-2008	10:01:44	841740,000	440,250	0,734	733,750	2641,500
13-02-2008	10:11:44	842061,875	321,875	0,536	536,458	1931,250
13-02-2008	10:21:44	842507,375	445,500	0,743	742,500	2673,000
13-02-2008	10:31:44	842829,375	322,000	0,537	536,667	1932,000
13-02-2008	10:41:44	843233,375	404,000	0,673	673,333	2424,000
13-02-2008	10:51:45	843669,000	435,625	0,726	726,042	2613,750
13-02-2008	11:01:45	843996,625	327,625	0,546	546,042	1965,750
13-02-2008	11:11:45	844434,875	438,250	0,730	730,417	2629,500
13-02-2008	11:21:45	844519,125	84,250	0,140	140,417	505,500
13-02-2008	11:31:45	844519,750	0,625	0,001	1,042	3,750
13-02-2008	11:41:45	844519,750	0,000	0,000	0,000	0,000
13-02-2008	11:51:45	844519,750	0,000	0,000	0,000	0,000
13-02-2008	12:01:45	844519,750	0,000	0,000	0,000	0,000
13-02-2008	12:11:45	844519,750	0,000	0,000	0,000	0,000
13-02-2008	12:22:05	844870,250	350,500	0,584	584,167	2103,000
13-02-2008	12:32:49	845198,000	327,750	0,546	546,250	1966,500
13-02-2008	12:42:50	845744,750	546,750	0,911	911,250	3280,500
13-02-2008	12:52:50	846432,750	688,000	1,147	1146,667	4128,000
13-02-2008	13:02:50	847494,375	1061,625	1,769	1769,375	6369,750
13-02-2008	13:12:50	848348,375	854,000	1,423	1423,333	5124,000
13-02-2008	13:22:50	849165,500	817,125	1,362	1361,875	4902,750
13-02-2008	13:32:50	849870,250	704,750	1,175	1174,583	4228,500
13-02-2008	13:42:50	850652,250	782,000	1,303	1303,333	4692,000
13-02-2008	13:52:50	851438,625	786,375	1,311	1310,625	4718,250
13-02-2008	14:02:50	852319,000	880,375	1,467	1467,292	5282,250
13-02-2008	14:12:50	853204,750	885,750	1,476	1476,250	5314,500
13-02-2008	14:22:50	853533,875	329,125	0,549	548,542	1974,750
13-02-2008	14:32:50	853547,750	13,875	0,023	23,125	83,250
13-02-2008	14:42:50	853934,250	386,500	0,644	644,167	2319,000
13-02-2008	14:52:50	854333,500	399,250	0,665	665,417	2395,500
13-02-2008	15:02:50	855098,000	764,500	1,274	1274,167	4587,000
13-02-2008	15:12:50	855850,750	752,750	1,255	1254,583	4516,500
13-02-2008	15:22:50	856691,875	841,125	1,402	1401,875	5046,750
13-02-2008	15:32:50	857462,375	770,500	1,284	1284,167	4623,000
13-02-2008	15:42:50	858204,500	742,125	1,237	1236,875	4452,750
13-02-2008	15:52:50	858916,250	711,750	1,186	1186,250	4270,500
13-02-2008	16:02:50	859707,625	791,375	1,319	1318,958	4748,250
13-02-2008	16:12:50	860931,125	1223,500	2,039	2039,167	7341,000
13-02-2008	16:22:50	861676,875	745,750	1,243	1242,917	4474,500
13-02-2008	16:32:50	862659,375	982,500	1,638	1637,500	5895,000
13-02-2008	16:42:50	863857,250	1197,875	1,996	1996,458	7187,250
13-02-2008	16:52:50	864601,125	743,875	1,240	1239,792	4463,250
13-02-2008	17:02:50	865728,250	1127,125	1,879	1878,542	6762,750

13-02-2008	17:12:50	866766,250	1038,000	1,730	1730,000	6228,000
13-02-2008	17:22:51	867742,750	976,500	1,628	1627,500	5859,000
13-02-2008	17:32:51	868618,625	875,875	1,460	1459,792	5255,250
13-02-2008	17:42:51	869530,375	911,750	1,520	1519,583	5470,500
13-02-2008	17:52:51	870460,250	929,875	1,550	1549,792	5579,250
13-02-2008	18:02:51	871351,750	891,500	1,486	1485,833	5349,000
13-02-2008	18:12:51	872379,125	1027,375	1,712	1712,292	6164,250
13-02-2008	18:22:51	873375,625	996,500	1,661	1660,833	5979,000
13-02-2008	18:32:51	874391,500	1015,875	1,693	1693,125	6095,250
13-02-2008	18:42:51	875156,625	765,125	1,275	1275,208	4590,750
13-02-2008	18:52:51	875920,000	763,375	1,272	1272,292	4580,250
13-02-2008	19:02:51	876448,750	528,750	0,881	881,250	3172,500
13-02-2008	19:12:51	876824,500	375,750	0,626	626,250	2254,500
13-02-2008	19:22:51	877224,750	400,250	0,667	667,083	2401,500
13-02-2008	19:32:51	877618,750	394,000	0,657	656,667	2364,000
13-02-2008	19:42:51	877990,125	371,375	0,619	618,958	2228,250
13-02-2008	19:52:51	878391,375	401,250	0,669	668,750	2407,500
13-02-2008	20:02:51	878786,125	394,750	0,658	657,917	2368,500
13-02-2008	20:12:51	879228,875	442,750	0,738	737,917	2656,500
13-02-2008	20:22:51	879972,625	743,750	1,240	1239,583	4462,500
13-02-2008	20:32:51	880576,500	603,875	1,006	1006,458	3623,250
13-02-2008	20:42:51	881151,250	574,750	0,958	957,917	3448,500
13-02-2008	20:52:51	881634,250	483,000	0,805	805,000	2898,000
13-02-2008	21:02:51	882132,625	498,375	0,831	830,625	2990,250
13-02-2008	21:12:51	882651,250	518,625	0,864	864,375	3111,750
13-02-2008	21:22:51	883251,875	600,625	1,001	1001,042	3603,750
13-02-2008	21:32:51	883892,875	641,000	1,068	1068,333	3846,000
13-02-2008	21:42:51	884513,750	620,875	1,035	1034,792	3725,250
13-02-2008	21:52:51	885177,625	663,875	1,106	1106,458	3983,250
13-02-2008	22:02:51	886034,125	856,500	1,428	1427,500	5139,000
13-02-2008	22:12:51	886603,875	569,750	0,950	949,583	3418,500
13-02-2008	22:22:51	887625,500	1021,625	1,703	1702,708	6129,750
13-02-2008	22:32:52	888855,375	1229,875	2,050	2049,792	7379,250
13-02-2008	22:42:52	889881,875	1026,500	1,711	1710,833	6159,000
13-02-2008	22:52:52	890883,000	1001,125	1,669	1668,542	6006,750
13-02-2008	23:02:52	891843,750	960,750	1,601	1601,250	5764,500
13-02-2008	23:12:52	892869,000	1025,250	1,709	1708,750	6151,500
13-02-2008	23:22:52	893871,125	1002,125	1,670	1670,208	6012,750
13-02-2008	23:32:52	894835,000	963,875	1,606	1606,458	5783,250
13-02-2008	23:42:52	895872,625	1037,625	1,729	1729,375	6225,750
13-02-2008	23:52:52	896875,000	1002,375	1,671	1670,625	6014,250
14-02-2008	00:00:13	897633,875	758,875	1,721	1720,805	6194,898

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:14	897633,875				
14-02-2008	00:02:52	897844,750	210,875	1,335	1334,652	4804,747
14-02-2008	00:12:52	898870,875	1026,125	1,710	1710,208	6156,750
14-02-2008	00:22:52	899872,875	1002,000	1,670	1670,000	6012,000
14-02-2008	00:32:52	900832,875	960,000	1,600	1600,000	5760,000
14-02-2008	00:42:52	901859,750	1026,875	1,711	1711,458	6161,250
14-02-2008	00:52:52	902870,875	1011,125	1,685	1685,208	6066,750
14-02-2008	01:02:52	903822,500	951,625	1,586	1586,042	5709,750
14-02-2008	01:12:52	904865,875	1043,375	1,739	1738,958	6260,250
14-02-2008	01:22:53	905859,250	993,375	1,656	1655,625	5960,250
14-02-2008	01:32:53	906826,250	967,000	1,612	1611,667	5802,000
14-02-2008	01:42:53	907853,000	1026,750	1,711	1711,250	6160,500
14-02-2008	01:52:53	908735,250	882,250	1,470	1470,417	5293,500
14-02-2008	02:02:53	909795,250	1060,000	1,767	1766,667	6360,000
14-02-2008	02:12:53	910805,250	1010,000	1,683	1683,333	6060,000
14-02-2008	02:22:53	911773,375	968,125	1,614	1613,542	5808,750
14-02-2008	02:32:53	912816,750	1043,375	1,739	1738,958	6260,250
14-02-2008	02:42:53	914020,750	1204,000	2,007	2006,667	7224,000
14-02-2008	02:52:53	914778,000	757,250	1,262	1262,083	4543,500
14-02-2008	03:02:53	915804,625	1026,625	1,711	1711,042	6159,750
14-02-2008	03:12:53	917023,875	1219,250	2,032	2032,083	7315,500
14-02-2008	03:22:54	918051,000	1027,125	1,712	1711,875	6162,750
14-02-2008	03:32:54	919061,125	1010,125	1,684	1683,542	6060,750
14-02-2008	03:42:54	920012,500	951,375	1,586	1585,625	5708,250
14-02-2008	03:52:54	921036,625	1024,125	1,707	1706,875	6144,750
14-02-2008	04:02:54	921992,750	956,125	1,594	1593,542	5736,750
14-02-2008	04:12:54	922834,500	841,750	1,403	1402,917	5050,500
14-02-2008	04:22:54	923708,875	874,375	1,457	1457,292	5246,250
14-02-2008	04:32:54	924495,375	786,500	1,311	1310,833	4719,000
14-02-2008	04:42:54	925234,250	738,875	1,231	1231,458	4433,250
14-02-2008	04:52:54	926068,875	834,625	1,391	1391,042	5007,750
14-02-2008	05:02:54	926915,250	846,375	1,411	1410,625	5078,250
14-02-2008	05:12:55	927717,750	802,500	1,338	1337,500	4815,000
14-02-2008	05:22:55	928567,125	849,375	1,416	1415,625	5096,250
14-02-2008	05:32:55	929391,125	824,000	1,373	1373,333	4944,000
14-02-2008	05:42:55	930176,500	785,375	1,309	1308,958	4712,250
14-02-2008	05:52:55	931011,875	835,375	1,392	1392,292	5012,250
14-02-2008	06:02:55	931840,625	828,750	1,381	1381,250	4972,500
14-02-2008	06:12:55	932732,625	892,000	1,487	1486,667	5352,000
14-02-2008	06:22:55	933484,250	751,625	1,253	1252,708	4509,750
14-02-2008	06:32:55	934223,750	739,500	1,233	1232,500	4437,000
14-02-2008	06:42:55	934927,500	703,750	1,173	1172,917	4222,500
14-02-2008	06:52:55	935674,875	747,375	1,246	1245,625	4484,250
14-02-2008	07:02:55	936416,250	741,375	1,236	1235,625	4448,250
14-02-2008	07:12:55	937115,875	699,625	1,166	1166,042	4197,750
14-02-2008	07:22:55	937882,875	767,000	1,278	1278,333	4602,000
14-02-2008	07:32:56	938611,375	728,500	1,214	1214,167	4371,000
14-02-2008	07:42:56	939320,625	709,250	1,182	1182,083	4255,500
14-02-2008	07:52:56	940073,750	753,125	1,255	1255,208	4518,750
14-02-2008	08:02:56	940968,750	895,000	1,492	1491,667	5370,000
14-02-2008	08:12:56	941519,125	550,375	0,917	917,292	3302,250

14-02-2008	08:22:56	942266,375	747,250	1,245	1245,417	4483,500
14-02-2008	08:32:56	943161,750	895,375	1,492	1492,292	5372,250
14-02-2008	08:42:56	943914,750	753,000	1,255	1255,000	4518,000
14-02-2008	08:52:56	944655,500	740,750	1,235	1234,583	4444,500
14-02-2008	09:02:56	945549,375	893,875	1,490	1489,792	5363,250
14-02-2008	09:12:56	946580,125	1030,750	1,718	1717,917	6184,500
14-02-2008	09:22:56	947392,375	812,250	1,354	1353,750	4873,500
14-02-2008	09:32:56	947532,500	140,125	0,234	233,542	840,750
14-02-2008	09:42:56	947535,375	2,875	0,005	4,792	17,250
14-02-2008	09:52:56	947535,375	0,000	0,000	0,000	0,000
14-02-2008	10:02:56	947535,375	0,000	0,000	0,000	0,000
14-02-2008	10:12:56	947535,375	0,000	0,000	0,000	0,000
14-02-2008	10:22:56	947535,375	0,000	0,000	0,000	0,000
14-02-2008	10:32:56	947800,375	265,000	0,442	441,667	1590,000
14-02-2008	10:42:56	948024,000	223,625	0,373	372,708	1341,750
14-02-2008	10:52:56	948149,625	125,625	0,209	209,375	753,750
14-02-2008	11:02:56	948271,625	122,000	0,203	203,333	732,000
14-02-2008	11:12:56	948430,750	159,125	0,265	265,208	954,750
14-02-2008	11:22:56	948618,875	188,125	0,314	313,542	1128,750
14-02-2008	11:32:56	948867,625	248,750	0,415	414,583	1492,500
14-02-2008	11:42:56	949227,000	359,375	0,599	598,958	2156,250
14-02-2008	11:52:56	949601,000	374,000	0,623	623,333	2244,000
14-02-2008	12:02:56	949951,000	350,000	0,583	583,333	2100,000
14-02-2008	12:12:56	950291,000	340,000	0,567	566,667	2040,000
14-02-2008	12:22:56	950291,000	0,000	0,000	0,000	0,000
14-02-2008	12:32:56	950624,750	333,750	0,556	556,250	2002,500
14-02-2008	12:42:56	951539,250	914,500	1,524	1524,167	5487,000
14-02-2008	12:52:57	952416,500	877,250	1,462	1462,083	5263,500
14-02-2008	13:02:57	953265,125	848,625	1,414	1414,375	5091,750
14-02-2008	13:12:57	954193,000	927,875	1,546	1546,458	5567,250
14-02-2008	13:22:57	955102,000	909,000	1,515	1515,000	5454,000
14-02-2008	13:32:57	955982,875	880,875	1,468	1468,125	5285,250
14-02-2008	13:42:57	956933,500	950,625	1,584	1584,375	5703,750
14-02-2008	13:52:57	958066,375	1132,875	1,888	1888,125	6797,250
14-02-2008	14:02:57	959017,625	951,250	1,585	1585,417	5707,500
14-02-2008	14:12:57	959940,250	922,625	1,538	1537,708	5535,750
14-02-2008	14:22:57	960828,250	888,000	1,480	1480,000	5328,000
14-02-2008	14:32:57	961794,500	966,250	1,610	1610,417	5797,500
14-02-2008	14:42:57	962724,875	930,375	1,551	1550,625	5582,250
14-02-2008	14:52:57	963622,750	897,875	1,496	1496,458	5387,250
14-02-2008	15:02:57	964597,750	975,000	1,625	1625,000	5850,000
14-02-2008	15:12:57	965558,250	960,500	1,601	1600,833	5763,000
14-02-2008	15:22:57	966482,000	923,750	1,540	1539,583	5542,500
14-02-2008	15:32:57	967474,875	992,875	1,655	1654,792	5957,250
14-02-2008	15:42:57	968500,375	1025,500	1,709	1709,167	6153,000
14-02-2008	15:52:57	969438,875	938,500	1,564	1564,167	5631,000
14-02-2008	16:02:57	970436,625	997,750	1,663	1662,917	5986,500
14-02-2008	16:12:57	971371,625	935,000	1,558	1558,333	5610,000
14-02-2008	16:22:57	972360,000	988,375	1,647	1647,292	5930,250
14-02-2008	16:32:57	973364,125	1004,125	1,674	1673,542	6024,750
14-02-2008	16:42:57	974320,000	955,875	1,593	1593,125	5735,250
14-02-2008	16:52:57	975247,000	927,000	1,545	1545,000	5562,000
14-02-2008	17:02:57	976459,000	1212,000	2,020	2020,000	7272,000
14-02-2008	17:12:57	977448,625	989,625	1,649	1649,375	5937,750
14-02-2008	17:22:57	978403,625	955,000	1,592	1591,667	5730,000

14-02-2008	17:32:57	979392,875	989,250	1,649	1648,750	5935,500
14-02-2008	17:42:57	980357,625	964,750	1,608	1607,917	5788,500
14-02-2008	17:52:57	981288,625	931,000	1,552	1551,667	5586,000
14-02-2008	18:02:57	982502,375	1213,750	2,023	2022,917	7282,500
14-02-2008	18:12:57	983482,875	980,500	1,634	1634,167	5883,000
14-02-2008	18:22:57	984439,000	956,125	1,594	1593,542	5736,750
14-02-2008	18:32:57	985109,375	670,375	1,117	1117,292	4022,250
14-02-2008	18:42:58	985483,125	373,750	0,623	622,917	2242,500
14-02-2008	18:52:58	985850,875	367,750	0,613	612,917	2206,500
14-02-2008	19:02:58	986664,500	813,625	1,356	1356,042	4881,750
14-02-2008	19:12:58	987394,500	730,000	1,217	1216,667	4380,000
14-02-2008	19:22:58	988098,500	704,000	1,173	1173,333	4224,000
14-02-2008	19:32:58	988833,250	734,750	1,225	1224,583	4408,500
14-02-2008	19:42:58	989536,875	703,625	1,173	1172,708	4221,750
14-02-2008	19:52:58	990230,750	693,875	1,156	1156,458	4163,250
14-02-2008	20:02:58	991092,000	861,250	1,435	1435,417	5167,500
14-02-2008	20:12:58	991628,875	536,875	0,895	894,792	3221,250
14-02-2008	20:22:58	992095,625	466,750	0,778	777,917	2800,500
14-02-2008	20:32:58	992482,750	387,125	0,645	645,208	2322,750
14-02-2008	20:42:58	992853,625	370,875	0,618	618,125	2225,250
14-02-2008	20:52:58	993244,250	390,625	0,651	651,042	2343,750
14-02-2008	21:02:58	993621,875	377,625	0,629	629,375	2265,750
14-02-2008	21:12:58	994126,375	504,500	0,841	840,833	3027,000
14-02-2008	21:22:58	995024,750	898,375	1,497	1497,292	5390,250
14-02-2008	21:32:58	995748,500	723,750	1,206	1206,250	4342,500
14-02-2008	21:42:58	996454,625	706,125	1,177	1176,875	4236,750
14-02-2008	21:52:58	997192,750	738,125	1,230	1230,208	4428,750
14-02-2008	22:02:58	997900,375	707,625	1,179	1179,375	4245,750
14-02-2008	22:12:58	998594,250	693,875	1,156	1156,458	4163,250
14-02-2008	22:22:58	999480,625	886,375	1,477	1477,292	5318,250
14-02-2008	22:32:58	1000219,500	738,875	1,231	1231,458	4433,250
14-02-2008	22:42:58	1001169,750	950,250	1,584	1583,750	5701,500
14-02-2008	22:52:58	1002174,000	1004,250	1,674	1673,750	6025,500
14-02-2008	23:02:58	1003136,125	962,125	1,604	1603,542	5772,750
14-02-2008	23:12:58	1004078,375	942,250	1,570	1570,417	5653,500
14-02-2008	23:22:58	1005069,000	990,625	1,651	1651,042	5943,750
14-02-2008	23:32:58	1006281,500	1212,500	2,021	2020,833	7275,000
14-02-2008	23:42:58	1007248,625	967,125	1,612	1611,875	5802,750
14-02-2008	23:52:59	1008243,875	995,250	1,659	1658,750	5971,500
15-02-2008	00:00:02	1008935,000	691,125	1,634	1633,865	5881,915

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	Caudais Médios m3/h	Caudal Médio Horário
Hora	**Caudal (m3/h)**							
00:00-00:10	2519,612	1399,774	2592,857	2409,750	4942,500	6156,750	3336,874	3260,427
00:10-00:20	2610,375	1368,000	2310,000	2366,250	3756,000	6012,000	3070,438	
00:20-00:30	2526,750	1310,250	1026,000	2333,250	4953,750	5760,000	2985,000	
00:30-00:40	2749,500	1441,500	1398,000	4575,750	4497,750	6161,250	3470,625	
00:40-00:50	3168,000	1369,500	1675,500	5415,750	3798,750	6066,750	3582,375	
00:50-01:00	1952,250	1326,000	1410,750	3321,000	4983,750	5709,750	3117,250	
01:00-01:10	2747,625	1443,000	1390,500	4580,250	3714,000	6260,250	3355,938	3431,844
01:10-01:20	3170,625	1357,500	1313,250	5361,750	4943,250	5960,250	3684,438	
01:20-01:30	2749,500	1324,500	1419,750	4547,250	4581,000	5802,000	3404,000	
01:30-01:40	2596,500	1429,500	1395,750	4473,750	4950,000	6160,500	3501,000	
01:40-01:50	2529,750	1375,500	1325,250	4259,250	3724,500	5293,500	3084,625	
01:50-02:00	2757,375	1323,750	1419,750	4557,000	4948,500	6360,000	3561,063	
02:00-02:10	2625,750	2082,750	1385,250	4476,000	3683,250	6060,000	3385,500	3595,990
02:10-02:20	2529,000	3197,250	1335,000	4246,500	4945,500	5808,750	3677,000	
02:20-02:30	2727,375	1965,750	1417,500	4552,500	4606,500	6260,250	3588,313	
02:30-02:40	2638,125	2766,750	1386,000	4438,500	3681,750	7224,000	3689,188	
02:40-02:50	2503,875	3180,000	1326,750	4252,500	4955,250	4543,500	3460,313	
02:50-03:00	3587,250	1959,000	1410,000	4552,500	4985,250	6159,750	3775,625	
03:00-03:10	3789,000	3406,500	1877,250	4479,750	3309,750	7315,500	4029,625	4020,667
03:10-03:20	3621,750	2511,750	2523,750	4253,250	4948,500	6162,750	4003,625	
03:20-03:30	3975,000	2781,750	2761,500	4547,250	4616,250	6060,750	4123,750	
03:30-03:40	3880,500	2601,750	2629,500	4430,250	4988,250	5708,250	4039,750	
03:40-03:50	3629,250	2540,250	2559,000	4244,250	3651,000	6144,750	3794,750	
03:50-04:00	4011,000	2762,250	2715,000	4581,750	4988,250	5736,750	4132,500	
04:00-04:10	3785,250	2628,000	2673,000	4436,250	3760,500	5050,500	3722,250	3682,667
04:10-04:20	3659,250	2538,750	2512,500	4284,750	4927,500	5246,250	3861,500	
04:20-04:30	3978,000	2735,250	2693,250	4544,250	3189,750	4719,000	3643,250	
04:30-04:40	3788,250	2630,250	2668,500	4467,000	3996,000	4433,250	3663,875	
04:40-04:50	3911,250	2541,000	2533,500	4203,750	3673,500	5007,750	3645,125	
04:50-05:00	3752,250	2761,500	2735,250	4542,000	2490,750	5078,250	3560,000	
05:00-05:10	3818,250	2607,000	3188,250	4476,750	3426,750	4815,000	3722,000	3697,688
05:10-05:20	3629,250	2535,750	2005,500	4240,500	2836,500	5096,250	3390,625	
05:20-05:30	4010,250	2760,000	3357,750	4572,000	4023,750	4944,000	3944,625	
05:30-05:40	3778,500	2605,500	2555,250	4425,750	4280,250	4712,250	3726,250	
05:40-05:50	3653,250	2539,500	2709,000	4236,000	3165,750	5012,250	3552,625	
05:50-06:00	3968,250	2742,750	2666,250	4537,500	4212,750	4972,500	3850,000	
06:00-06:10	3816,750	2649,000	2515,500	5410,500	3211,500	5352,000	3825,875	3319,146
06:10-06:20	3923,250	2541,750	2692,500	3315,750	4256,250	4509,750	3539,875	
06:20-06:30	2892,000	2741,250	2664,000	4541,250	3297,000	4437,000	3428,750	
06:30-06:40	1451,250	2626,500	2511,000	5394,000	2608,500	4222,500	3135,625	
06:40-06:50	1305,000	2518,500	2757,000	4538,250	2634,000	4484,250	3039,500	
06:50-07:00	1443,000	2768,250	2626,500	4434,000	1951,500	4448,250	2945,250	
07:00-07:10	1374,750	3162,750	2583,750	4242,000	2620,500	4197,750	3030,250	2802,021
07:10-07:20	1307,250	2001,750	2346,750	4571,250	1968,000	4602,000	2799,500	
07:20-07:30	1443,000	3385,500	1381,500	4429,500	2420,250	4371,000	2905,125	
07:30-07:40	1639,500	2538,000	1307,250	4236,000	2616,750	4255,500	2765,500	
07:40-07:50	207,750	2735,250	1410,000	4532,250	1968,000	4518,750	2562,000	
07:50-08:00	0,000	2649,750	1386,750	4473,750	2618,250	5370,000	2749,750	

08:00-08:10	0,000	2538,750	1309,500	4245,000	2639,250	3302,250	2339,125	2556,563
08:10-08:20	0,000	2742,000	1437,750	4512,750	1988,250	4483,500	2527,375	
08:20-08:30	0,000	2628,750	1356,750	4503,750	2378,250	5372,250	2706,625	
08:30-08:40	0,000	2514,750	1331,250	4204,500	2619,000	4518,000	2531,250	
08:40-08:50	0,000	2738,250	1412,250	4590,000	2027,250	4444,500	2535,375	
08:50-09:00	0,000	2394,750	1388,250	4435,500	2616,000	5363,250	2699,625	
09:00-09:10	470,250	1312,500	2284,500	4244,250	2382,750	6184,500	2813,125	2067,417
09:10-09:20	1461,000	1422,000	2772,000	4499,250	1987,500	4873,500	2835,875	
09:20-09:30	1366,500	1362,000	2832,750	2321,250	2639,250	840,750	1893,750	
09:30-09:40	1323,000	1328,250	1556,250	2247,000	1968,000	17,250	1406,625	
09:40-09:50	1438,500	1397,250	2258,250	2406,000	2618,250	0,000	1686,375	
09:50-10:00	1367,250	1397,250	2838,000	2368,500	2641,500	0,000	1768,750	
10:00-10:10	1419,750	1305,750	1777,500	2289,750	1931,250	0,000	1454,000	1720,250
10:10-10:20	1341,000	1398,750	3000,750	2405,250	2673,000	0,000	1803,125	
10:20-10:30	1402,500	1398,750	2271,750	2343,750	1932,000	1590,000	1823,125	
10:30-10:40	1330,500	1303,500	2387,250	2285,250	2424,000	1341,750	1845,375	
10:40-10:50	1502,250	1418,250	1655,250	2404,500	2613,750	753,750	1724,625	
10:50-11:00	1368,000	1374,750	2220,000	2367,000	1965,750	732,000	1671,250	
11:00-11:10	1351,500	1317,000	1714,500	2243,250	2629,500	954,750	1701,750	1510,313
11:10-11:20	1141,500	1407,750	1661,250	2406,750	505,500	1128,750	1375,250	
11:20-11:30	1363,500	1670,250	1594,500	2363,250	3,750	1492,500	1414,625	
11:30-11:40	1662,000	1014,000	1770,000	2240,250	0,000	2156,250	1473,750	
11:40-11:50	1049,250	1405,500	1715,250	2400,000	0,000	2244,000	1469,000	
11:50-12:00	1467,000	1660,500	1681,500	2856,000	0,000	2100,000	1627,500	
12:00-12:10	1373,250	2559,750	3016,500	2796,000	0,000	2040,000	1964,250	3219,958
12:10-12:20	1347,000	2639,250	3904,500	6182,250	2103,000	0,000	2696,000	
12:20-12:30	1476,750	2528,250	3706,500	7218,000	1966,500	2002,500	3149,750	
12:30-12:40	1406,250	2703,750	3965,250	5574,000	3280,500	5487,000	3736,125	
12:40-12:50	1463,250	2656,500	3906,000	3887,250	4128,000	5263,500	3550,750	
12:50-13:00	1362,000	2507,250	3846,000	6160,500	6369,750	5091,750	4222,875	
13:00-13:10	1862,250	2730,000	5741,250	4872,000	5124,000	5567,250	4316,125	4554,479
13:10-13:20	3562,500	2635,500	5554,500	4980,750	4902,750	5454,000	4515,000	
13:20-13:30	4074,000	2531,250	5376,750	4956,000	4228,500	5285,250	4408,625	
13:30-13:40	3873,750	2732,250	5703,750	5397,750	4692,000	5703,750	4683,875	
13:40-13:50	3738,000	2634,750	5596,500	5160,750	4718,250	6797,250	4774,250	
13:50-14:00	3997,500	2505,750	5269,500	5011,500	5282,250	5707,500	4629,000	
14:00-14:10	3708,000	2706,000	5734,500	5304,000	5314,500	5535,750	4717,125	4214,875
14:10-14:20	3644,250	2666,250	5556,000	5883,000	1974,750	5328,000	4175,375	
14:20-14:30	3963,000	2529,000	5319,750	4802,250	83,250	5797,500	3749,125	
14:30-14:40	3738,750	2708,250	5696,250	4653,750	2319,000	5582,250	4116,375	
14:40-14:50	3674,250	2643,000	5647,500	4504,500	2395,500	5387,250	4042,000	
14:50-15:00	3936,000	2557,500	5227,500	4777,500	4587,000	5850,000	4489,250	
15:00-15:10	3777,000	2689,500	5753,250	3807,000	4516,500	5763,000	4384,375	4521,750
15:10-15:20	3645,750	2662,500	6785,250	4224,000	5046,750	5542,500	4651,125	
15:20-15:30	4005,000	2528,250	4149,000	5089,500	4623,000	5957,250	4392,000	
15:30-15:40	3738,750	2732,250	5745,750	4671,000	4452,750	6153,000	4582,250	
15:40-15:50	3612,000	2688,000	6792,000	3800,250	4270,500	5631,000	4465,625	
15:50-16:00	3964,500	2508,750	5721,750	5001,000	4748,250	5986,500	4655,125	
16:00-16:10	3770,250	2712,000	5643,750	3815,250	7341,000	5610,000	4815,375	4772,438
16:10-16:20	3685,500	2696,250	5313,000	4710,750	4474,500	5930,250	4468,375	
16:20-16:30	3906,750	2515,500	5765,250	5004,750	5895,000	6024,750	4852,000	
16:30-16:40	3801,750	2732,250	5628,750	3765,000	7187,250	5735,250	4808,375	
16:40-16:50	3639,750	3192,000	5353,500	4998,750	4463,250	5562,000	4534,875	
16:50-17:00	3925,500	1994,250	5938,500	5040,750	6762,750	7272,000	5155,625	

17:00-17:10	3774,750	2706,000	6078,750	3735,000	6228,000	5937,750	4743,375	4586,813
17:10-17:20	3628,500	3221,250	5823,750	5051,250	5859,000	5730,000	4885,625	
17:20-17:30	3968,250	1997,250	4705,500	3763,500	5255,250	5935,500	4270,875	
17:30-17:40	4539,750	2706,000	4440,000	4630,500	5470,500	5788,500	4595,875	
17:40-17:50	2874,000	3219,750	4260,750	5046,750	5579,250	5586,000	4427,750	
17:50-18:00	3927,000	2706,000	4555,500	3764,250	5349,000	7282,500	4597,375	
18:00-18:10	4558,500	2661,000	4479,750	5001,000	6164,250	5883,000	4791,250	3749,833
18:10-18:20	3933,000	2529,000	4293,750	5003,250	5979,000	5736,750	4579,125	
18:20-18:30	3774,000	2726,250	4551,750	3370,500	6095,250	4022,250	4090,000	
18:30-18:40	3143,250	2664,750	4506,750	1989,750	4590,750	2242,500	3189,625	
18:40-18:50	2743,500	2242,500	2985,000	2627,250	4580,250	2206,500	2897,500	
18:50-19:00	2616,000	2661,000	2364,000	2013,750	3172,500	4881,750	2951,500	
19:00-19:10	2505,000	2501,250	2245,500	2625,000	2254,500	4380,000	2751,875	2818,917
19:10-19:20	2747,250	2704,500	2424,750	2384,250	2401,500	4224,000	2814,375	
19:20-19:30	2614,500	3196,500	2348,250	1990,500	2364,000	4408,500	2820,375	
19:30-19:40	2525,250	1976,250	2265,750	2645,250	2228,250	4221,750	2643,750	
19:40-19:50	2731,500	2754,000	3017,250	1995,750	2407,500	4163,250	2844,875	
19:50-20:00	2621,250	3179,250	2268,750	2624,250	2368,500	5167,500	3038,250	
20:00-20:10	2527,500	2727,000	2402,250	2808,000	2656,500	3221,250	2723,750	2777,000
20:10-20:20	2749,500	2637,750	2364,000	3159,000	4462,500	2800,500	3028,875	
20:20-20:30	2595,000	2508,750	2226,750	3844,500	3623,250	2322,750	2853,500	
20:30-20:40	2510,250	2711,250	2409,000	3428,250	3448,500	2225,250	2788,750	
20:40-20:50	2778,000	2664,750	2387,250	2506,500	2898,000	2343,750	2596,375	
20:50-21:00	2603,250	2532,750	2229,000	3403,500	2990,250	2265,750	2670,750	
21:00-21:10	2535,000	2752,500	2421,000	3461,250	3111,750	3027,000	2884,750	3386,146
21:10-21:20	2724,000	2594,250	2364,750	2999,250	3603,750	5390,250	3279,375	
21:20-21:30	2646,000	2532,750	2250,000	4170,750	3846,000	4342,500	3298,000	
21:30-21:40	2512,500	2730,750	2404,500	5564,250	3725,250	4236,750	3529,000	
21:40-21:50	2748,750	2640,750	2370,000	4461,000	3983,250	4428,750	3438,750	
21:50-22:00	3173,250	2532,000	2232,750	5999,250	5139,000	4245,750	3887,000	
22:00-22:10	1951,500	2687,250	2424,000	5773,500	3418,500	4163,250	3403,000	3894,417
22:10-22:20	2748,000	2658,750	2346,750	3841,500	6129,750	5318,250	3840,500	
22:20-22:30	3158,250	2533,500	2272,500	4947,750	7379,250	4433,250	4120,750	
22:30-22:40	2775,000	2715,000	2408,250	3804,750	6159,000	5701,500	3927,250	
22:40-22:50	2600,250	2643,000	2369,250	4923,000	6006,750	6025,500	4094,625	
22:50-23:00	2535,750	2553,000	2256,000	5000,250	5764,500	5772,750	3980,375	
23:00-23:10	2736,750	2690,250	2411,250	3757,500	6151,500	5653,500	3900,125	3920,058
23:10-23:20	2614,500	2663,250	2370,000	4937,250	6012,750	5943,750	4090,250	
23:20-23:30	1852,500	2510,250	2232,750	3681,000	5783,250	7275,000	3889,125	
23:30-23:40	1421,250	2736,750	2455,500	4952,250	6225,750	5802,750	3932,375	
23:40-23:50	1379,250	2643,750	2334,750	4953,000	6014,250	5971,500	3882,750	
23:50-00:00	1311,750	2534,250	2698,221	4333,301	6194,898	5881,915	3825,723	

Caudal Médio Diário = 3420,070 m3/h

Caudais Médios *Lever - Jovim DN1200 (saída de Lever Montante)*
Caudal (m3/h)
6000
5000
4000
3000
2000
1000
0
00:00-00:10
00:40-00:50
01:20-01:30
02:00-02:10
02:40-02:50
03:20-03:30
04:00-04:10
04:40-04:50
05:20-05:30
06:00-06:10
06:40-06:50
07:20-07:30
08:00-08:10
08:40-08:50
09:20-09:30
10:00-10:10
10:40-10:50
11:20-11:30
12:00-12:10
12:40-12:50
13:20-13:30
14:00-14:10
14:40-14:50
15:20-15:30
16:00-16:10
16:40-16:50
17:20-17:30
18:00-18:10
18:40-18:50
19:20-19:30
20:00-20:10
20:40-20:50
21:20-21:30
22:00-22:10
22:40-22:50
23:20-23:30
Hora

Caudais Médios Horários *Lever - Jovim DN1200 (saída de Lever Montante)*
Caudal (m3/h)
6000
5000
4000
3000
2000
1000
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

CAUDAIS

Seixo Alvo – Alto do Marquinho (saída de Seixo Alvo)

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
09-02-2008	00:00:01	22283226,000				
09-02-2008	00:07:45	22283376,000	150,000	0,323	323,276	1163,793
09-02-2008	00:17:45	22283570,000	194,000	0,323	323,333	1164,000
09-02-2008	00:27:45	22283878,000	308,000	0,513	513,333	1848,000
09-02-2008	00:37:45	22284264,000	386,000	0,643	643,333	2316,000
09-02-2008	00:47:45	22284648,000	384,000	0,640	640,000	2304,000
09-02-2008	00:57:46	22285032,000	384,000	0,640	640,000	2304,000
09-02-2008	01:07:46	22285416,000	384,000	0,640	640,000	2304,000
09-02-2008	01:17:46	22285796,000	380,000	0,633	633,333	2280,000
09-02-2008	01:27:46	22286168,000	372,000	0,620	620,000	2232,000
09-02-2008	01:37:46	22286548,000	380,000	0,633	633,333	2280,000
09-02-2008	01:47:46	22286926,000	378,000	0,630	630,000	2268,000
09-02-2008	01:57:46	22287302,000	376,000	0,627	626,667	2256,000
09-02-2008	02:07:46	22287678,000	376,000	0,627	626,667	2256,000
09-02-2008	02:17:46	22288040,000	362,000	0,603	603,333	2172,000
09-02-2008	02:27:46	22288246,000	206,000	0,343	343,333	1236,000
09-02-2008	02:37:46	22288338,000	92,000	0,153	153,333	552,000
09-02-2008	02:47:46	22288528,000	190,000	0,317	316,667	1140,000
09-02-2008	02:57:46	22288720,000	192,000	0,320	320,000	1152,000
09-02-2008	03:07:46	22288910,000	190,000	0,317	316,667	1140,000
09-02-2008	03:17:46	22289102,000	192,000	0,320	320,000	1152,000
09-02-2008	03:27:46	22289296,000	194,000	0,323	323,333	1164,000
09-02-2008	03:37:46	22289492,000	196,000	0,327	326,667	1176,000
09-02-2008	03:47:46	22289686,000	194,000	0,323	323,333	1164,000
09-02-2008	03:57:46	22289878,000	192,000	0,320	320,000	1152,000
09-02-2008	04:07:46	22290076,000	198,000	0,330	330,000	1188,000
09-02-2008	04:17:46	22290272,000	196,000	0,327	326,667	1176,000
09-02-2008	04:27:46	22290468,000	196,000	0,327	326,667	1176,000
09-02-2008	04:37:46	22290664,000	196,000	0,327	326,667	1176,000
09-02-2008	04:47:46	22290858,000	194,000	0,323	323,333	1164,000
09-02-2008	04:57:46	22291054,000	196,000	0,327	326,667	1176,000
09-02-2008	05:07:46	22291254,000	200,000	0,333	333,333	1200,000
09-02-2008	05:17:46	22291592,000	338,000	0,563	563,333	2028,000
09-02-2008	05:27:47	22291984,000	392,000	0,653	653,333	2352,000
09-02-2008	05:37:47	22292374,000	390,000	0,650	650,000	2340,000
09-02-2008	05:47:47	22292756,000	382,000	0,637	636,667	2292,000
09-02-2008	05:57:47	22293146,000	390,000	0,650	650,000	2340,000
09-02-2008	06:07:47	22293538,000	392,000	0,653	653,333	2352,000
09-02-2008	06:17:47	22293934,000	396,000	0,660	660,000	2376,000
09-02-2008	06:27:47	22294240,000	306,000	0,510	510,000	1836,000
09-02-2008	06:37:47	22294276,000	36,000	0,060	60,000	216,000
09-02-2008	06:47:47	22294334,000	58,000	0,097	96,667	348,000
09-02-2008	06:57:47	22294534,000	200,000	0,333	333,333	1200,000
09-02-2008	07:07:47	22294586,000	52,000	0,087	86,667	312,000
09-02-2008	07:17:47	22294586,000	0,000	0,000	0,000	0,000
09-02-2008	07:27:47	22294646,000	60,000	0,100	100,000	360,000
09-02-2008	07:37:47	22294846,000	200,000	0,333	333,333	1200,000
09-02-2008	07:47:47	22295052,000	206,000	0,343	343,333	1236,000
09-02-2008	07:57:47	22295256,000	204,000	0,340	340,000	1224,000
09-02-2008	08:07:47	22295460,000	204,000	0,340	340,000	1224,000

09-02-2008	08:17:47	22295604,000	144,000	0,240	240,000	864,000
09-02-2008	08:27:47	22295604,000	0,000	0,000	0,000	0,000
09-02-2008	08:37:47	22295608,000	4,000	0,007	6,667	24,000
09-02-2008	08:47:47	22295804,000	196,000	0,327	326,667	1176,000
09-02-2008	08:57:47	22296004,000	200,000	0,333	333,333	1200,000
09-02-2008	09:07:47	22296060,000	56,000	0,093	93,333	336,000
09-02-2008	09:17:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	09:27:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	09:37:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	09:47:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	09:57:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	10:07:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	10:17:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	10:27:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	10:37:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	10:47:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	10:57:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	11:07:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	11:17:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	11:27:47	22296060,000	0,000	0,000	0,000	0,000
09-02-2008	11:37:47	22296140,000	80,000	0,133	133,333	480,000
09-02-2008	11:47:47	22296336,000	196,000	0,327	326,667	1176,000
09-02-2008	11:57:47	22296534,000	198,000	0,330	330,000	1188,000
09-02-2008	12:07:47	22296726,000	192,000	0,320	320,000	1152,000
09-02-2008	12:17:47	22296922,000	196,000	0,327	326,667	1176,000
09-02-2008	12:27:47	22297118,000	196,000	0,327	326,667	1176,000
09-02-2008	12:37:47	22297314,000	196,000	0,327	326,667	1176,000
09-02-2008	12:47:47	22297510,000	196,000	0,327	326,667	1176,000
09-02-2008	12:57:48	22297704,000	194,000	0,323	323,333	1164,000
09-02-2008	13:07:48	22297898,000	194,000	0,323	323,333	1164,000
09-02-2008	13:17:48	22298092,000	194,000	0,323	323,333	1164,000
09-02-2008	13:27:48	22298290,000	198,000	0,330	330,000	1188,000
09-02-2008	13:37:48	22298622,000	332,000	0,553	553,333	1992,000
09-02-2008	13:47:48	22298998,000	376,000	0,627	626,667	2256,000
09-02-2008	13:57:48	22299380,000	382,000	0,637	636,667	2292,000
09-02-2008	14:07:48	22299762,000	382,000	0,637	636,667	2292,000
09-02-2008	14:17:48	22300142,000	380,000	0,633	633,333	2280,000
09-02-2008	14:27:48	22300520,000	378,000	0,630	630,000	2268,000
09-02-2008	14:37:48	22300898,000	378,000	0,630	630,000	2268,000
09-02-2008	14:47:48	22301266,000	368,000	0,613	613,333	2208,000
09-02-2008	14:57:48	22301642,000	376,000	0,627	626,667	2256,000
09-02-2008	15:07:48	22302022,000	380,000	0,633	633,333	2280,000
09-02-2008	15:17:48	22302400,000	378,000	0,630	630,000	2268,000
09-02-2008	15:27:48	22302776,000	376,000	0,627	626,667	2256,000
09-02-2008	15:37:48	22303146,000	370,000	0,617	616,667	2220,000
09-02-2008	15:47:48	22303524,000	378,000	0,630	630,000	2268,000
09-02-2008	15:57:48	22303900,000	376,000	0,627	626,667	2256,000
09-02-2008	16:07:48	22304278,000	378,000	0,630	630,000	2268,000
09-02-2008	16:17:48	22304656,000	378,000	0,630	630,000	2268,000
09-02-2008	16:27:48	22305032,000	376,000	0,627	626,667	2256,000
09-02-2008	16:37:48	22305396,000	364,000	0,607	606,667	2184,000
09-02-2008	16:47:48	22305770,000	374,000	0,623	623,333	2244,000
09-02-2008	16:57:48	22306144,000	374,000	0,623	623,333	2244,000
09-02-2008	17:07:48	22306516,000	372,000	0,620	620,000	2232,000
09-02-2008	17:17:48	22306884,000	368,000	0,613	613,333	2208,000
09-02-2008	17:27:48	22307256,000	372,000	0,620	620,000	2232,000

09-02-2008	17:37:48	22307518,000	262,000	0,437	436,667	1572,000
09-02-2008	17:47:48	22307714,000	196,000	0,327	326,667	1176,000
09-02-2008	17:57:48	22307912,000	198,000	0,330	330,000	1188,000
09-02-2008	18:07:48	22308108,000	196,000	0,327	326,667	1176,000
09-02-2008	18:17:48	22308302,000	194,000	0,323	323,333	1164,000
09-02-2008	18:27:48	22308500,000	198,000	0,330	330,000	1188,000
09-02-2008	18:37:48	22308848,000	348,000	0,580	580,000	2088,000
09-02-2008	18:47:48	22309226,000	378,000	0,630	630,000	2268,000
09-02-2008	18:57:48	22309498,000	272,000	0,453	453,333	1632,000
09-02-2008	19:07:48	22309500,000	2,000	0,003	3,333	12,000
09-02-2008	19:17:48	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	19:27:48	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	19:37:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	19:47:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	19:57:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	20:07:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	20:17:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	20:27:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	20:37:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	20:47:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	20:57:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	21:07:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	21:17:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	21:27:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	21:37:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	21:47:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	21:57:49	22309500,000	0,000	0,000	0,000	0,000
09-02-2008	22:07:49	22309624,000	124,000	0,207	206,667	744,000
09-02-2008	22:17:49	22309820,000	196,000	0,327	326,667	1176,000
09-02-2008	22:27:49	22310018,000	198,000	0,330	330,000	1188,000
09-02-2008	22:37:49	22310212,000	194,000	0,323	323,333	1164,000
09-02-2008	22:47:49	22310404,000	192,000	0,320	320,000	1152,000
09-02-2008	22:57:49	22310598,000	194,000	0,323	323,333	1164,000
09-02-2008	23:07:49	22310792,000	194,000	0,323	323,333	1164,000
09-02-2008	23:17:49	22310986,000	194,000	0,323	323,333	1164,000
09-02-2008	23:27:49	22311180,000	194,000	0,323	323,333	1164,000
09-02-2008	23:37:49	22311370,000	190,000	0,317	316,667	1140,000
09-02-2008	23:47:49	22311564,000	194,000	0,323	323,333	1164,000
09-02-2008	23:57:49	22311760,000	196,000	0,327	326,667	1176,000
10-02-2008	00:00:26	22311812,000	52,000	0,331	331,210	1192,357

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
10-02-2008	00:00:26	22311812,000				
10-02-2008	00:07:49	22311954,000	142,000	0,321	320,542	1153,950
10-02-2008	00:17:49	22312148,000	194,000	0,323	323,333	1164,000
10-02-2008	00:27:49	22312342,000	194,000	0,323	323,333	1164,000
10-02-2008	00:37:49	22312538,000	196,000	0,327	326,667	1176,000
10-02-2008	00:47:49	22312728,000	190,000	0,317	316,667	1140,000
10-02-2008	00:57:49	22312922,000	194,000	0,323	323,333	1164,000
10-02-2008	01:07:50	22313118,000	196,000	0,327	326,667	1176,000
10-02-2008	01:17:50	22313314,000	196,000	0,327	326,667	1176,000
10-02-2008	01:27:50	22313508,000	194,000	0,323	323,333	1164,000
10-02-2008	01:37:50	22313704,000	196,000	0,327	326,667	1176,000
10-02-2008	01:47:50	22313902,000	198,000	0,330	330,000	1188,000
10-02-2008	01:57:50	22314112,000	210,000	0,350	350,000	1260,000
10-02-2008	02:07:50	22314496,000	384,000	0,640	640,000	2304,000
10-02-2008	02:17:50	22314878,000	382,000	0,637	636,667	2292,000
10-02-2008	02:27:50	22315252,000	374,000	0,623	623,333	2244,000
10-02-2008	02:37:50	22315634,000	382,000	0,637	636,667	2292,000
10-02-2008	02:47:50	22316012,000	378,000	0,630	630,000	2268,000
10-02-2008	02:57:50	22316390,000	378,000	0,630	630,000	2268,000
10-02-2008	03:07:50	22316760,000	370,000	0,617	616,667	2220,000
10-02-2008	03:17:51	22317134,000	374,000	0,623	623,333	2244,000
10-02-2008	03:27:51	22317506,000	372,000	0,620	620,000	2232,000
10-02-2008	03:37:51	22317880,000	374,000	0,623	623,333	2244,000
10-02-2008	03:47:51	22318252,000	372,000	0,620	620,000	2232,000
10-02-2008	03:57:51	22318626,000	374,000	0,623	623,333	2244,000
10-02-2008	04:07:51	22318910,000	284,000	0,473	473,333	1704,000
10-02-2008	04:17:51	22319108,000	198,000	0,330	330,000	1188,000
10-02-2008	04:27:51	22319306,000	198,000	0,330	330,000	1188,000
10-02-2008	04:37:51	22319506,000	200,000	0,333	333,333	1200,000
10-02-2008	04:47:51	22319706,000	200,000	0,333	333,333	1200,000
10-02-2008	04:57:51	22319900,000	194,000	0,323	323,333	1164,000
10-02-2008	05:07:51	22320100,000	200,000	0,333	333,333	1200,000
10-02-2008	05:17:51	22320300,000	200,000	0,333	333,333	1200,000
10-02-2008	05:27:51	22320500,000	200,000	0,333	333,333	1200,000
10-02-2008	05:37:52	22320700,000	200,000	0,333	333,333	1200,000
10-02-2008	05:47:52	22320902,000	202,000	0,337	336,667	1212,000
10-02-2008	05:57:52	22321100,000	198,000	0,330	330,000	1188,000
10-02-2008	06:07:52	22321302,000	202,000	0,337	336,667	1212,000
10-02-2008	06:17:52	22321504,000	202,000	0,337	336,667	1212,000
10-02-2008	06:27:52	22321708,000	204,000	0,340	340,000	1224,000
10-02-2008	06:37:52	22321912,000	204,000	0,340	340,000	1224,000
10-02-2008	06:47:52	22322110,000	198,000	0,330	330,000	1188,000
10-02-2008	06:57:52	22322316,000	206,000	0,343	343,333	1236,000
10-02-2008	07:07:52	22322520,000	204,000	0,340	340,000	1224,000
10-02-2008	07:17:52	22322724,000	204,000	0,340	340,000	1224,000
10-02-2008	07:27:52	22322930,000	206,000	0,343	343,333	1236,000
10-02-2008	07:37:52	22323130,000	200,000	0,333	333,333	1200,000
10-02-2008	07:47:52	22323158,000	28,000	0,047	46,667	168,000
10-02-2008	07:57:52	22323158,000	0,000	0,000	0,000	0,000

10-02-2008	08:07:52	22323320,000	162,000	0,270	270,000	972,000
10-02-2008	08:17:52	22323520,000	200,000	0,333	333,333	1200,000
10-02-2008	08:27:52	22323716,000	196,000	0,327	326,667	1176,000
10-02-2008	08:37:52	22323918,000	202,000	0,337	336,667	1212,000
10-02-2008	08:47:52	22324118,000	200,000	0,333	333,333	1200,000
10-02-2008	08:57:52	22324318,000	200,000	0,333	333,333	1200,000
10-02-2008	09:07:52	22324518,000	200,000	0,333	333,333	1200,000
10-02-2008	09:17:52	22324538,000	20,000	0,033	33,333	120,000
10-02-2008	09:27:52	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	09:37:52	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	09:47:52	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	09:57:52	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	10:07:52	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	10:17:52	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	10:27:53	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	10:37:53	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	10:47:53	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	10:57:53	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	11:07:53	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	11:17:53	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	11:27:53	22324538,000	0,000	0,000	0,000	0,000
10-02-2008	11:37:53	22324594,000	56,000	0,093	93,333	336,000
10-02-2008	11:47:53	22324796,000	202,000	0,337	336,667	1212,000
10-02-2008	11:57:53	22324992,000	196,000	0,327	326,667	1176,000
10-02-2008	12:07:53	22325194,000	202,000	0,337	336,667	1212,000
10-02-2008	12:17:53	22325394,000	200,000	0,333	333,333	1200,000
10-02-2008	12:27:53	22325596,000	202,000	0,337	336,667	1212,000
10-02-2008	12:37:53	22325798,000	202,000	0,337	336,667	1212,000
10-02-2008	12:47:53	22326000,000	202,000	0,337	336,667	1212,000
10-02-2008	12:57:53	22326202,000	202,000	0,337	336,667	1212,000
10-02-2008	13:07:53	22326400,000	198,000	0,330	330,000	1188,000
10-02-2008	13:17:53	22326602,000	202,000	0,337	336,667	1212,000
10-02-2008	13:27:53	22326802,000	200,000	0,333	333,333	1200,000
10-02-2008	13:37:53	22327004,000	202,000	0,337	336,667	1212,000
10-02-2008	13:47:53	22327200,000	196,000	0,327	326,667	1176,000
10-02-2008	13:57:53	22327400,000	200,000	0,333	333,333	1200,000
10-02-2008	14:07:53	22327600,000	200,000	0,333	333,333	1200,000
10-02-2008	14:17:53	22327802,000	202,000	0,337	336,667	1212,000
10-02-2008	14:27:53	22328002,000	200,000	0,333	333,333	1200,000
10-02-2008	14:37:53	22328204,000	202,000	0,337	336,667	1212,000
10-02-2008	14:47:53	22328402,000	198,000	0,330	330,000	1188,000
10-02-2008	14:57:53	22328604,000	202,000	0,337	336,667	1212,000
10-02-2008	15:07:53	22328804,000	200,000	0,333	333,333	1200,000
10-02-2008	15:17:53	22329006,000	202,000	0,337	336,667	1212,000
10-02-2008	15:27:54	22329360,000	354,000	0,590	590,000	2124,000
10-02-2008	15:37:54	22329748,000	388,000	0,647	646,667	2328,000
10-02-2008	15:47:54	22330140,000	392,000	0,653	653,333	2352,000
10-02-2008	15:57:54	22330528,000	388,000	0,647	646,667	2328,000
10-02-2008	16:07:54	22330916,000	388,000	0,647	646,667	2328,000
10-02-2008	16:17:54	22331306,000	390,000	0,650	650,000	2340,000
10-02-2008	16:27:54	22331684,000	378,000	0,630	630,000	2268,000
10-02-2008	16:37:54	22332074,000	390,000	0,650	650,000	2340,000
10-02-2008	16:47:54	22332460,000	386,000	0,643	643,333	2316,000
10-02-2008	16:57:54	22332848,000	388,000	0,647	646,667	2328,000
10-02-2008	17:07:54	22333226,000	378,000	0,630	630,000	2268,000

10-02-2008	17:17:54	22333612,000	386,000	0,643	643,333	2316,000
10-02-2008	17:27:54	22333988,000	376,000	0,627	626,667	2256,000
10-02-2008	17:37:54	22334184,000	196,000	0,327	326,667	1176,000
10-02-2008	17:47:54	22334380,000	196,000	0,327	326,667	1176,000
10-02-2008	17:57:54	22334578,000	198,000	0,330	330,000	1188,000
10-02-2008	18:07:54	22334774,000	196,000	0,327	326,667	1176,000
10-02-2008	18:17:54	22334966,000	192,000	0,320	320,000	1152,000
10-02-2008	18:27:54	22335162,000	196,000	0,327	326,667	1176,000
10-02-2008	18:37:54	22335358,000	196,000	0,327	326,667	1176,000
10-02-2008	18:47:54	22335552,000	194,000	0,323	323,333	1164,000
10-02-2008	18:57:54	22335670,000	118,000	0,197	196,667	708,000
10-02-2008	19:07:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	19:17:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	19:27:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	19:37:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	19:47:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	19:57:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	20:07:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	20:17:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	20:27:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	20:37:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	20:47:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	20:57:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	21:07:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	21:17:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	21:27:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	21:37:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	21:47:54	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	21:57:55	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	22:07:55	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	22:17:55	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	22:27:55	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	22:37:55	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	22:47:55	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	22:57:55	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	23:07:55	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	23:17:55	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	23:27:55	22335670,000	0,000	0,000	0,000	0,000
10-02-2008	23:37:55	22335798,000	128,000	0,213	213,333	768,000
10-02-2008	23:47:55	22335994,000	196,000	0,327	326,667	1176,000
10-02-2008	23:57:55	22336188,000	194,000	0,323	323,333	1164,000
11-02-2008	00:00:13	22336232,000	44,000	0,319	318,841	1147,826

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
11-02-2008	00:00:13	22336232,000				
11-02-2008	00:07:55	22336382,000	150,000	0,325	324,675	1168,831
11-02-2008	00:17:55	22336572,000	190,000	0,317	316,667	1140,000
11-02-2008	00:27:55	22336764,000	192,000	0,320	320,000	1152,000
11-02-2008	00:37:55	22336952,000	188,000	0,313	313,333	1128,000
11-02-2008	00:47:55	22337144,000	192,000	0,320	320,000	1152,000
11-02-2008	00:57:55	22337338,000	194,000	0,323	323,333	1164,000
11-02-2008	01:07:55	22337562,000	224,000	0,373	373,333	1344,000
11-02-2008	01:17:55	22337944,000	382,000	0,637	636,667	2292,000
11-02-2008	01:27:55	22338318,000	374,000	0,623	623,333	2244,000
11-02-2008	01:37:55	22338696,000	378,000	0,630	630,000	2268,000
11-02-2008	01:47:55	22339004,000	308,000	0,513	513,333	1848,000
11-02-2008	01:57:55	22339202,000	198,000	0,330	330,000	1188,000
11-02-2008	02:07:55	22339400,000	198,000	0,330	330,000	1188,000
11-02-2008	02:17:55	22339592,000	192,000	0,320	320,000	1152,000
11-02-2008	02:27:56	22339790,000	198,000	0,330	330,000	1188,000
11-02-2008	02:37:56	22339986,000	196,000	0,327	326,667	1176,000
11-02-2008	02:47:56	22340184,000	198,000	0,330	330,000	1188,000
11-02-2008	02:57:56	22340382,000	198,000	0,330	330,000	1188,000
11-02-2008	03:07:56	22340580,000	198,000	0,330	330,000	1188,000
11-02-2008	03:17:56	22340774,000	194,000	0,323	323,333	1164,000
11-02-2008	03:27:56	22340972,000	198,000	0,330	330,000	1188,000
11-02-2008	03:37:56	22341172,000	200,000	0,333	333,333	1200,000
11-02-2008	03:47:56	22341370,000	198,000	0,330	330,000	1188,000
11-02-2008	03:57:56	22341564,000	194,000	0,323	323,333	1164,000
11-02-2008	04:07:56	22341762,000	198,000	0,330	330,000	1188,000
11-02-2008	04:17:56	22341960,000	198,000	0,330	330,000	1188,000
11-02-2008	04:27:56	22342158,000	198,000	0,330	330,000	1188,000
11-02-2008	04:37:56	22342356,000	198,000	0,330	330,000	1188,000
11-02-2008	04:47:56	22342554,000	198,000	0,330	330,000	1188,000
11-02-2008	04:57:56	22342750,000	196,000	0,327	326,667	1176,000
11-02-2008	05:07:56	22342950,000	200,000	0,333	333,333	1200,000
11-02-2008	05:17:56	22343150,000	200,000	0,333	333,333	1200,000
11-02-2008	05:27:56	22343350,000	200,000	0,333	333,333	1200,000
11-02-2008	05:37:56	22343550,000	200,000	0,333	333,333	1200,000
11-02-2008	05:47:56	22343752,000	202,000	0,337	336,667	1212,000
11-02-2008	05:57:56	22343950,000	198,000	0,330	330,000	1188,000
11-02-2008	06:07:56	22344152,000	202,000	0,337	336,667	1212,000
11-02-2008	06:17:56	22344356,000	204,000	0,340	340,000	1224,000
11-02-2008	06:27:56	22344560,000	204,000	0,340	340,000	1224,000
11-02-2008	06:37:56	22344764,000	204,000	0,340	340,000	1224,000
11-02-2008	06:47:56	22344966,000	202,000	0,337	336,667	1212,000
11-02-2008	06:57:56	22345172,000	206,000	0,343	343,333	1236,000
11-02-2008	07:07:56	22345558,000	386,000	0,643	643,333	2316,000
11-02-2008	07:17:56	22345952,000	394,000	0,657	656,667	2364,000
11-02-2008	07:27:56	22346336,000	384,000	0,640	640,000	2304,000
11-02-2008	07:37:57	22346602,000	266,000	0,443	443,333	1596,000
11-02-2008	07:47:57	22346638,000	36,000	0,060	60,000	216,000

11-02-2008	07:57:57	22346818,000	180,000	0,300	300,000	1080,000
11-02-2008	08:07:57	22347018,000	200,000	0,333	333,333	1200,000
11-02-2008	08:17:57	22347218,000	200,000	0,333	333,333	1200,000
11-02-2008	08:27:57	22347418,000	200,000	0,333	333,333	1200,000
11-02-2008	08:37:57	22347614,000	196,000	0,327	326,667	1176,000
11-02-2008	08:47:57	22347812,000	198,000	0,330	330,000	1188,000
11-02-2008	08:57:57	22348012,000	200,000	0,333	333,333	1200,000
11-02-2008	09:07:57	22348210,000	198,000	0,330	330,000	1188,000
11-02-2008	09:17:57	22348300,000	90,000	0,150	150,000	540,000
11-02-2008	09:27:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	09:37:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	09:47:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	09:57:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	10:07:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	10:17:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	10:27:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	10:37:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	10:47:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	10:57:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	11:07:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	11:17:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	11:27:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	11:37:57	22348300,000	0,000	0,000	0,000	0,000
11-02-2008	11:47:57	22348334,000	34,000	0,057	56,667	204,000
11-02-2008	11:57:57	22348530,000	196,000	0,327	326,667	1176,000
11-02-2008	12:07:57	22348722,000	192,000	0,320	320,000	1152,000
11-02-2008	12:17:57	22348918,000	196,000	0,327	326,667	1176,000
11-02-2008	12:27:57	22349114,000	196,000	0,327	326,667	1176,000
11-02-2008	12:37:57	22349310,000	196,000	0,327	326,667	1176,000
11-02-2008	12:47:57	22349506,000	196,000	0,327	326,667	1176,000
11-02-2008	12:57:57	22349702,000	196,000	0,327	326,667	1176,000
11-02-2008	13:07:57	22349896,000	194,000	0,323	323,333	1164,000
11-02-2008	13:17:57	22350092,000	196,000	0,327	326,667	1176,000
11-02-2008	13:27:57	22350288,000	196,000	0,327	326,667	1176,000
11-02-2008	13:37:57	22350570,000	282,000	0,470	470,000	1692,000
11-02-2008	13:47:57	22350956,000	386,000	0,643	643,333	2316,000
11-02-2008	13:57:57	22351332,000	376,000	0,627	626,667	2256,000
11-02-2008	14:07:58	22351718,000	386,000	0,643	643,333	2316,000
11-02-2008	14:17:58	22352106,000	388,000	0,647	646,667	2328,000
11-02-2008	14:27:58	22352494,000	388,000	0,647	646,667	2328,000
11-02-2008	14:37:58	22352878,000	384,000	0,640	640,000	2304,000
11-02-2008	14:47:58	22353252,000	374,000	0,623	623,333	2244,000
11-02-2008	14:57:58	22353636,000	384,000	0,640	640,000	2304,000
11-02-2008	15:07:58	22354024,000	388,000	0,647	646,667	2328,000
11-02-2008	15:17:58	22354410,000	386,000	0,643	643,333	2316,000
11-02-2008	15:27:58	22354796,000	386,000	0,643	643,333	2316,000
11-02-2008	15:37:58	22355182,000	386,000	0,643	643,333	2316,000
11-02-2008	15:47:58	22355562,000	380,000	0,633	633,333	2280,000
11-02-2008	15:57:58	22355946,000	384,000	0,640	640,000	2304,000
11-02-2008	16:07:58	22356308,000	362,000	0,603	603,333	2172,000
11-02-2008	16:17:58	22356512,000	204,000	0,340	340,000	1224,000
11-02-2008	16:27:58	22356714,000	202,000	0,337	336,667	1212,000
11-02-2008	16:37:58	22356914,000	200,000	0,333	333,333	1200,000
11-02-2008	16:47:58	22357118,000	204,000	0,340	340,000	1224,000
11-02-2008	16:57:58	22357322,000	204,000	0,340	340,000	1224,000

11-02-2008	17:07:58	22357526,000	204,000	0,340	340,000	1224,000
11-02-2008	17:17:58	22357730,000	204,000	0,340	340,000	1224,000
11-02-2008	17:27:58	22357930,000	200,000	0,333	333,333	1200,000
11-02-2008	17:37:58	22358132,000	202,000	0,337	336,667	1212,000
11-02-2008	17:47:58	22358338,000	206,000	0,343	343,333	1236,000
11-02-2008	17:57:58	22358542,000	204,000	0,340	340,000	1224,000
11-02-2008	18:07:58	22358746,000	204,000	0,340	340,000	1224,000
11-02-2008	18:17:58	22358952,000	206,000	0,343	343,333	1236,000
11-02-2008	18:27:58	22359150,000	198,000	0,330	330,000	1188,000
11-02-2008	18:37:58	22359352,000	202,000	0,337	336,667	1212,000
11-02-2008	18:50:08	22359356,000	4,000	0,005	5,479	19,726
11-02-2008	19:00:08	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	19:10:08	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	19:20:08	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	19:30:08	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	19:40:35	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	19:51:37	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	20:01:37	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	20:11:37	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	20:21:37	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	20:31:37	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	20:41:37	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	20:51:37	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	21:01:37	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	21:11:37	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	21:21:37	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	21:31:38	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	21:41:38	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	21:51:38	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	22:01:38	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	22:11:38	22359356,000	0,000	0,000	0,000	0,000
11-02-2008	22:21:38	22359458,000	102,000	0,170	170,000	612,000
11-02-2008	22:31:38	22359658,000	200,000	0,333	333,333	1200,000
11-02-2008	22:41:38	22359856,000	198,000	0,330	330,000	1188,000
11-02-2008	22:51:38	22360056,000	200,000	0,333	333,333	1200,000
11-02-2008	23:01:38	22360258,000	202,000	0,337	336,667	1212,000
11-02-2008	23:11:38	22360458,000	200,000	0,333	333,333	1200,000
11-02-2008	23:21:38	22360654,000	196,000	0,327	326,667	1176,000
11-02-2008	23:31:38	22360854,000	200,000	0,333	333,333	1200,000
11-02-2008	23:41:38	22361056,000	202,000	0,337	336,667	1212,000
11-02-2008	23:51:38	22361256,000	200,000	0,333	333,333	1200,000
12-02-2008	00:00:04	22361422,000	166,000	0,328	328,063	1181,028

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
12-02-2008	00:00:04	22361422,000				
12-02-2008	00:01:38	22361456,000	34,000	0,362	361,702	1302,128
12-02-2008	00:11:38	22361656,000	200,000	0,333	333,333	1200,000
12-02-2008	00:21:38	22361852,000	196,000	0,327	326,667	1176,000
12-02-2008	00:31:38	22362052,000	200,000	0,333	333,333	1200,000
12-02-2008	00:41:38	22362252,000	200,000	0,333	333,333	1200,000
12-02-2008	00:51:38	22362454,000	202,000	0,337	336,667	1212,000
12-02-2008	01:01:38	22362656,000	202,000	0,337	336,667	1212,000
12-02-2008	01:11:38	22362858,000	202,000	0,337	336,667	1212,000
12-02-2008	01:21:38	22363054,000	196,000	0,327	326,667	1176,000
12-02-2008	01:31:38	22363256,000	202,000	0,337	336,667	1212,000
12-02-2008	01:41:38	22363458,000	202,000	0,337	336,667	1212,000
12-02-2008	01:51:38	22363660,000	202,000	0,337	336,667	1212,000
12-02-2008	02:01:38	22363866,000	206,000	0,343	343,333	1236,000
12-02-2008	02:11:38	22364064,000	198,000	0,330	330,000	1188,000
12-02-2008	02:21:38	22364266,000	202,000	0,337	336,667	1212,000
12-02-2008	02:31:39	22364470,000	204,000	0,340	340,000	1224,000
12-02-2008	02:41:39	22364672,000	202,000	0,337	336,667	1212,000
12-02-2008	02:51:39	22364876,000	204,000	0,340	340,000	1224,000
12-02-2008	03:01:39	22365080,000	204,000	0,340	340,000	1224,000
12-02-2008	03:11:39	22365278,000	198,000	0,330	330,000	1188,000
12-02-2008	03:21:39	22365642,000	364,000	0,607	606,667	2184,000
12-02-2008	03:31:39	22366034,000	392,000	0,653	653,333	2352,000
12-02-2008	03:41:39	22366426,000	392,000	0,653	653,333	2352,000
12-02-2008	03:51:39	22366818,000	392,000	0,653	653,333	2352,000
12-02-2008	04:01:39	22367200,000	382,000	0,637	636,667	2292,000
12-02-2008	04:11:39	22367556,000	356,000	0,593	593,333	2136,000
12-02-2008	04:21:39	22367756,000	200,000	0,333	333,333	1200,000
12-02-2008	04:31:39	22367954,000	198,000	0,330	330,000	1188,000
12-02-2008	04:41:39	22368152,000	198,000	0,330	330,000	1188,000
12-02-2008	04:51:39	22368344,000	192,000	0,320	320,000	1152,000
12-02-2008	05:01:39	22368542,000	198,000	0,330	330,000	1188,000
12-02-2008	05:11:39	22368740,000	198,000	0,330	330,000	1188,000
12-02-2008	05:21:39	22368938,000	198,000	0,330	330,000	1188,000
12-02-2008	05:31:39	22369136,000	198,000	0,330	330,000	1188,000
12-02-2008	05:41:40	22369334,000	198,000	0,330	330,000	1188,000
12-02-2008	05:51:40	22369528,000	194,000	0,323	323,333	1164,000
12-02-2008	06:01:40	22369726,000	198,000	0,330	330,000	1188,000
12-02-2008	06:11:40	22369926,000	200,000	0,333	333,333	1200,000
12-02-2008	06:21:40	22370126,000	200,000	0,333	333,333	1200,000
12-02-2008	06:31:40	22370324,000	198,000	0,330	330,000	1188,000
12-02-2008	06:41:40	22370518,000	194,000	0,323	323,333	1164,000
12-02-2008	06:51:40	22370718,000	200,000	0,333	333,333	1200,000
12-02-2008	07:01:40	22370916,000	198,000	0,330	330,000	1188,000
12-02-2008	07:11:40	22371114,000	198,000	0,330	330,000	1188,000
12-02-2008	07:21:40	22371308,000	194,000	0,323	323,333	1164,000
12-02-2008	07:31:40	22371506,000	198,000	0,330	330,000	1188,000
12-02-2008	07:41:40	22371704,000	198,000	0,330	330,000	1188,000
12-02-2008	07:51:40	22371902,000	198,000	0,330	330,000	1188,000

12-02-2008	08:01:40	22372098,000	196,000	0,327	326,667	1176,000
12-02-2008	08:11:40	22372238,000	140,000	0,233	233,333	840,000
12-02-2008	08:21:40	22372238,000	0,000	0,000	0,000	0,000
12-02-2008	08:31:40	22372238,000	0,000	0,000	0,000	0,000
12-02-2008	08:41:40	22372238,000	0,000	0,000	0,000	0,000
12-02-2008	08:51:40	22372370,000	132,000	0,220	220,000	792,000
12-02-2008	09:01:40	22372572,000	202,000	0,337	336,667	1212,000
12-02-2008	09:11:40	22372772,000	200,000	0,333	333,333	1200,000
12-02-2008	09:21:40	22372972,000	200,000	0,333	333,333	1200,000
12-02-2008	09:31:40	22373174,000	202,000	0,337	336,667	1212,000
12-02-2008	09:41:40	22373376,000	202,000	0,337	336,667	1212,000
12-02-2008	09:51:40	22373530,000	154,000	0,257	256,667	924,000
12-02-2008	10:01:40	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	10:11:40	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	10:21:40	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	10:31:40	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	10:41:40	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	10:51:40	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	11:01:40	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	11:11:40	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	11:21:40	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	11:31:40	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	11:41:41	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	11:51:41	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	12:01:41	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	12:11:41	22373530,000	0,000	0,000	0,000	0,000
12-02-2008	12:21:41	22373708,000	178,000	0,297	296,667	1068,000
12-02-2008	12:31:41	22373908,000	200,000	0,333	333,333	1200,000
12-02-2008	12:41:41	22374110,000	202,000	0,337	336,667	1212,000
12-02-2008	12:51:41	22374310,000	200,000	0,333	333,333	1200,000
12-02-2008	13:01:41	22374506,000	196,000	0,327	326,667	1176,000
12-02-2008	13:11:41	22374706,000	200,000	0,333	333,333	1200,000
12-02-2008	13:21:41	22374908,000	202,000	0,337	336,667	1212,000
12-02-2008	13:31:41	22375108,000	200,000	0,333	333,333	1200,000
12-02-2008	13:41:41	22375310,000	202,000	0,337	336,667	1212,000
12-02-2008	13:51:41	22375514,000	204,000	0,340	340,000	1224,000
12-02-2008	14:01:41	22375712,000	198,000	0,330	330,000	1188,000
12-02-2008	14:11:41	22375940,000	228,000	0,380	380,000	1368,000
12-02-2008	14:21:41	22376330,000	390,000	0,650	650,000	2340,000
12-02-2008	14:31:41	22376720,000	390,000	0,650	650,000	2340,000
12-02-2008	14:41:41	22377110,000	390,000	0,650	650,000	2340,000
12-02-2008	14:51:41	22377492,000	382,000	0,637	636,667	2292,000
12-02-2008	15:01:41	22377888,000	396,000	0,660	660,000	2376,000
12-02-2008	15:11:41	22378280,000	392,000	0,653	653,333	2352,000
12-02-2008	15:21:41	22378670,000	390,000	0,650	650,000	2340,000
12-02-2008	15:31:41	22379058,000	388,000	0,647	646,667	2328,000
12-02-2008	15:41:41	22379436,000	378,000	0,630	630,000	2268,000
12-02-2008	15:51:41	22379822,000	386,000	0,643	643,333	2316,000
12-02-2008	16:01:41	22380206,000	384,000	0,640	640,000	2304,000
12-02-2008	16:11:41	22380592,000	386,000	0,643	643,333	2316,000
12-02-2008	16:21:41	22380978,000	386,000	0,643	643,333	2316,000
12-02-2008	16:31:41	22381354,000	376,000	0,627	626,667	2256,000
12-02-2008	16:41:41	22381736,000	382,000	0,637	636,667	2292,000
12-02-2008	16:51:42	22382116,000	380,000	0,633	633,333	2280,000
12-02-2008	17:01:42	22382494,000	378,000	0,630	630,000	2268,000

12-02-2008	17:11:42	22382732,000	238,000	0,397	396,667	1428,000
12-02-2008	17:21:42	22382732,000	0,000	0,000	0,000	0,000
12-02-2008	17:31:42	22382732,000	0,000	0,000	0,000	0,000
12-02-2008	17:41:42	22382874,000	142,000	0,237	236,667	852,000
12-02-2008	17:51:42	22383076,000	202,000	0,337	336,667	1212,000
12-02-2008	18:01:42	22383278,000	202,000	0,337	336,667	1212,000
12-02-2008	18:11:42	22383480,000	202,000	0,337	336,667	1212,000
12-02-2008	18:21:42	22383676,000	196,000	0,327	326,667	1176,000
12-02-2008	18:31:42	22383878,000	202,000	0,337	336,667	1212,000
12-02-2008	18:41:42	22383904,000	26,000	0,043	43,333	156,000
12-02-2008	18:51:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	19:01:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	19:11:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	19:21:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	19:31:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	19:41:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	19:51:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	20:01:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	20:11:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	20:21:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	20:31:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	20:41:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	20:51:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	21:01:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	21:11:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	21:21:42	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	21:31:43	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	21:41:43	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	21:51:43	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	22:01:43	22383904,000	0,000	0,000	0,000	0,000
12-02-2008	22:11:43	22384002,000	98,000	0,163	163,333	588,000
12-02-2008	22:21:43	22384200,000	198,000	0,330	330,000	1188,000
12-02-2008	22:31:43	22384396,000	196,000	0,327	326,667	1176,000
12-02-2008	22:41:43	22384592,000	196,000	0,327	326,667	1176,000
12-02-2008	22:51:43	22384790,000	198,000	0,330	330,000	1188,000
12-02-2008	23:01:43	22385120,000	330,000	0,550	550,000	1980,000
12-02-2008	23:11:43	22385508,000	388,000	0,647	646,667	2328,000
12-02-2008	23:21:43	22385894,000	386,000	0,643	643,333	2316,000
12-02-2008	23:31:43	22386284,000	390,000	0,650	650,000	2340,000
12-02-2008	23:41:43	22386674,000	390,000	0,650	650,000	2340,000
12-02-2008	23:51:43	22387056,000	382,000	0,637	636,667	2292,000
13-02-2008	00:00:24	22387396,000	340,000	0,653	652,591	2349,328

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
13-02-2008	00:00:24	22387396,000				
13-02-2008	00:01:43	22387444,000	48,000	0,608	607,595	2187,342
13-02-2008	00:11:43	22387832,000	388,000	0,647	646,667	2328,000
13-02-2008	00:21:43	22388220,000	388,000	0,647	646,667	2328,000
13-02-2008	00:31:43	22388610,000	390,000	0,650	650,000	2340,000
13-02-2008	00:41:43	22389000,000	390,000	0,650	650,000	2340,000
13-02-2008	00:51:43	22389380,000	380,000	0,633	633,333	2280,000
13-02-2008	01:01:43	22389774,000	394,000	0,657	656,667	2364,000
13-02-2008	01:11:43	22390162,000	388,000	0,647	646,667	2328,000
13-02-2008	01:21:43	22390550,000	388,000	0,647	646,667	2328,000
13-02-2008	01:31:43	22390938,000	388,000	0,647	646,667	2328,000
13-02-2008	01:41:43	22391312,000	374,000	0,623	623,333	2244,000
13-02-2008	01:51:43	22391638,000	326,000	0,543	543,333	1956,000
13-02-2008	02:01:43	22391840,000	202,000	0,337	336,667	1212,000
13-02-2008	02:11:43	22392044,000	204,000	0,340	340,000	1224,000
13-02-2008	02:21:43	22392244,000	200,000	0,333	333,333	1200,000
13-02-2008	02:31:43	22392446,000	202,000	0,337	336,667	1212,000
13-02-2008	02:41:43	22392648,000	202,000	0,337	336,667	1212,000
13-02-2008	02:51:43	22392850,000	202,000	0,337	336,667	1212,000
13-02-2008	03:01:43	22393052,000	202,000	0,337	336,667	1212,000
13-02-2008	03:11:43	22393256,000	204,000	0,340	340,000	1224,000
13-02-2008	03:21:43	22393454,000	198,000	0,330	330,000	1188,000
13-02-2008	03:31:43	22393656,000	202,000	0,337	336,667	1212,000
13-02-2008	03:41:43	22393860,000	204,000	0,340	340,000	1224,000
13-02-2008	03:51:43	22394066,000	206,000	0,343	343,333	1236,000
13-02-2008	04:01:43	22394270,000	204,000	0,340	340,000	1224,000
13-02-2008	04:11:43	22394472,000	202,000	0,337	336,667	1212,000
13-02-2008	04:21:43	22394644,000	172,000	0,287	286,667	1032,000
13-02-2008	04:31:43	22394644,000	0,000	0,000	0,000	0,000
13-02-2008	04:41:43	22394644,000	0,000	0,000	0,000	0,000
13-02-2008	04:51:43	22394644,000	0,000	0,000	0,000	0,000
13-02-2008	05:01:43	22394644,000	0,000	0,000	0,000	0,000
13-02-2008	05:11:43	22394644,000	0,000	0,000	0,000	0,000
13-02-2008	05:21:43	22394726,000	82,000	0,137	136,667	492,000
13-02-2008	05:31:44	22394932,000	206,000	0,343	343,333	1236,000
13-02-2008	05:41:44	22395136,000	204,000	0,340	340,000	1224,000
13-02-2008	05:51:44	22395340,000	204,000	0,340	340,000	1224,000
13-02-2008	06:01:44	22395540,000	200,000	0,333	333,333	1200,000
13-02-2008	06:11:44	22395742,000	202,000	0,337	336,667	1212,000
13-02-2008	06:21:44	22395944,000	202,000	0,337	336,667	1212,000
13-02-2008	06:31:44	22396148,000	204,000	0,340	340,000	1224,000
13-02-2008	06:41:44	22396348,000	200,000	0,333	333,333	1200,000
13-02-2008	06:51:44	22396546,000	198,000	0,330	330,000	1188,000
13-02-2008	07:01:44	22396746,000	200,000	0,333	333,333	1200,000
13-02-2008	07:11:44	22396946,000	200,000	0,333	333,333	1200,000
13-02-2008	07:21:44	22397146,000	200,000	0,333	333,333	1200,000
13-02-2008	07:31:44	22397344,000	198,000	0,330	330,000	1188,000
13-02-2008	07:41:44	22397400,000	56,000	0,093	93,333	336,000

13-02-2008	07:51:44	22397400,000	0,000	0,000	0,000	0,000
13-02-2008	08:01:44	22397400,000	0,000	0,000	0,000	0,000
13-02-2008	08:11:44	22397400,000	0,000	0,000	0,000	0,000
13-02-2008	08:21:44	22397400,000	0,000	0,000	0,000	0,000
13-02-2008	08:31:44	22397400,000	0,000	0,000	0,000	0,000
13-02-2008	08:41:44	22397400,000	0,000	0,000	0,000	0,000
13-02-2008	08:51:44	22397566,000	166,000	0,277	276,667	996,000
13-02-2008	09:01:44	22397776,000	210,000	0,350	350,000	1260,000
13-02-2008	09:11:44	22398162,000	386,000	0,643	643,333	2316,000
13-02-2008	09:21:44	22398484,000	322,000	0,537	536,667	1932,000
13-02-2008	09:31:44	22398684,000	200,000	0,333	333,333	1200,000
13-02-2008	09:41:44	22398878,000	194,000	0,323	323,333	1164,000
13-02-2008	09:51:44	22398918,000	40,000	0,067	66,667	240,000
13-02-2008	10:01:44	22398918,000	0,000	0,000	0,000	0,000
13-02-2008	10:11:44	22398918,000	0,000	0,000	0,000	0,000
13-02-2008	10:21:44	22398918,000	0,000	0,000	0,000	0,000
13-02-2008	10:31:44	22398918,000	0,000	0,000	0,000	0,000
13-02-2008	10:41:44	22398918,000	0,000	0,000	0,000	0,000
13-02-2008	10:51:45	22398918,000	0,000	0,000	0,000	0,000
13-02-2008	11:01:45	22398918,000	0,000	0,000	0,000	0,000
13-02-2008	11:11:45	22398918,000	0,000	0,000	0,000	0,000
13-02-2008	11:21:45	22398918,000	0,000	0,000	0,000	0,000
13-02-2008	11:31:45	22398918,000	0,000	0,000	0,000	0,000
13-02-2008	11:41:45	22398918,000	0,000	0,000	0,000	0,000
13-02-2008	11:51:45	22399086,000	168,000	0,280	280,000	1008,000
13-02-2008	12:01:45	22399286,000	200,000	0,333	333,333	1200,000
13-02-2008	12:11:45	22399484,000	198,000	0,330	330,000	1188,000
13-02-2008	12:22:05	22399688,000	204,000	0,329	329,032	1184,516
13-02-2008	12:32:49	22399896,000	208,000	0,323	322,981	1162,733
13-02-2008	12:42:50	22400094,000	198,000	0,330	330,000	1188,000
13-02-2008	12:52:50	22400292,000	198,000	0,330	330,000	1188,000
13-02-2008	13:02:50	22400492,000	200,000	0,333	333,333	1200,000
13-02-2008	13:12:50	22400690,000	198,000	0,330	330,000	1188,000
13-02-2008	13:22:50	22400884,000	194,000	0,323	323,333	1164,000
13-02-2008	13:32:50	22401084,000	200,000	0,333	333,333	1200,000
13-02-2008	13:42:50	22401284,000	200,000	0,333	333,333	1200,000
13-02-2008	13:52:50	22401484,000	200,000	0,333	333,333	1200,000
13-02-2008	14:02:50	22401684,000	200,000	0,333	333,333	1200,000
13-02-2008	14:12:50	22401884,000	200,000	0,333	333,333	1200,000
13-02-2008	14:22:50	22402182,000	298,000	0,497	496,667	1788,000
13-02-2008	14:32:50	22402576,000	394,000	0,657	656,667	2364,000
13-02-2008	14:42:50	22402970,000	394,000	0,657	656,667	2364,000
13-02-2008	14:52:50	22403362,000	392,000	0,653	653,333	2352,000
13-02-2008	15:02:50	22403754,000	392,000	0,653	653,333	2352,000
13-02-2008	15:12:50	22404134,000	380,000	0,633	633,333	2280,000
13-02-2008	15:22:50	22404526,000	392,000	0,653	653,333	2352,000
13-02-2008	15:32:50	22404744,000	218,000	0,363	363,333	1308,000
13-02-2008	15:42:50	22404946,000	202,000	0,337	336,667	1212,000
13-02-2008	15:52:50	22405152,000	206,000	0,343	343,333	1236,000
13-02-2008	16:02:50	22405354,000	202,000	0,337	336,667	1212,000
13-02-2008	16:12:50	22405560,000	206,000	0,343	343,333	1236,000
13-02-2008	16:22:50	22405764,000	204,000	0,340	340,000	1224,000
13-02-2008	16:32:50	22405968,000	204,000	0,340	340,000	1224,000
13-02-2008	16:42:50	22406174,000	206,000	0,343	343,333	1236,000
13-02-2008	16:52:50	22406376,000	202,000	0,337	336,667	1212,000

13-02-2008	17:02:50	22406582,000	206,000	0,343	343,333	1236,000
13-02-2008	17:12:50	22406790,000	208,000	0,347	346,667	1248,000
13-02-2008	17:22:51	22406994,000	204,000	0,340	340,000	1224,000
13-02-2008	17:32:51	22407200,000	206,000	0,343	343,333	1236,000
13-02-2008	17:42:51	22407402,000	202,000	0,337	336,667	1212,000
13-02-2008	17:52:51	22407606,000	204,000	0,340	340,000	1224,000
13-02-2008	18:02:51	22407810,000	204,000	0,340	340,000	1224,000
13-02-2008	18:12:51	22408016,000	206,000	0,343	343,333	1236,000
13-02-2008	18:22:51	22408222,000	206,000	0,343	343,333	1236,000
13-02-2008	18:32:51	22408428,000	206,000	0,343	343,333	1236,000
13-02-2008	18:42:51	22408632,000	204,000	0,340	340,000	1224,000
13-02-2008	18:52:51	22408836,000	204,000	0,340	340,000	1224,000
13-02-2008	19:02:51	22408898,000	62,000	0,103	103,333	372,000
13-02-2008	19:12:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	19:22:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	19:32:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	19:42:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	19:52:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	20:02:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	20:12:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	20:22:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	20:32:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	20:42:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	20:52:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	21:02:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	21:12:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	21:22:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	21:32:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	21:42:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	21:52:51	22408898,000	0,000	0,000	0,000	0,000
13-02-2008	22:02:51	22408934,000	36,000	0,060	60,000	216,000
13-02-2008	22:12:51	22409180,000	246,000	0,410	410,000	1476,000
13-02-2008	22:22:51	22409562,000	382,000	0,637	636,667	2292,000
13-02-2008	22:32:52	22409944,000	382,000	0,637	636,667	2292,000
13-02-2008	22:42:52	22410324,000	380,000	0,633	633,333	2280,000
13-02-2008	22:52:52	22410704,000	380,000	0,633	633,333	2280,000
13-02-2008	23:02:52	22411080,000	376,000	0,627	626,667	2256,000
13-02-2008	23:12:52	22411454,000	374,000	0,623	623,333	2244,000
13-02-2008	23:22:52	22411834,000	380,000	0,633	633,333	2280,000
13-02-2008	23:32:52	22412216,000	382,000	0,637	636,667	2292,000
13-02-2008	23:42:52	22412598,000	382,000	0,637	636,667	2292,000
13-02-2008	23:52:52	22412980,000	382,000	0,637	636,667	2292,000
14-02-2008	00:00:13	22413262,000	282,000	0,639	639,456	2302,041

Dia	Hora	Volume	Variação de Volume	Caudal	Caudal	Caudal
		m3	m3	m3/s	l/s	m3/h
14-02-2008	00:00:14	22413262,000				
14-02-2008	00:02:52	22413366,000	104,000	0,658	658,228	2369,620
14-02-2008	00:12:52	22413750,000	384,000	0,640	640,000	2304,000
14-02-2008	00:22:52	22414130,000	380,000	0,633	633,333	2280,000
14-02-2008	00:32:52	22414514,000	384,000	0,640	640,000	2304,000
14-02-2008	00:42:52	22414902,000	388,000	0,647	646,667	2328,000
14-02-2008	00:52:52	22415292,000	390,000	0,650	650,000	2340,000
14-02-2008	01:02:52	22415682,000	390,000	0,650	650,000	2340,000
14-02-2008	01:12:52	22416072,000	390,000	0,650	650,000	2340,000
14-02-2008	01:22:53	22416464,000	392,000	0,653	653,333	2352,000
14-02-2008	01:32:53	22416856,000	392,000	0,653	653,333	2352,000
14-02-2008	01:42:53	22417236,000	380,000	0,633	633,333	2280,000
14-02-2008	01:52:53	22417624,000	388,000	0,647	646,667	2328,000
14-02-2008	02:02:53	22418012,000	388,000	0,647	646,667	2328,000
14-02-2008	02:12:53	22418398,000	386,000	0,643	643,333	2316,000
14-02-2008	02:22:53	22418672,000	274,000	0,457	456,667	1644,000
14-02-2008	02:32:53	22418858,000	186,000	0,310	310,000	1116,000
14-02-2008	02:42:53	22418858,000	0,000	0,000	0,000	0,000
14-02-2008	02:52:53	22418858,000	0,000	0,000	0,000	0,000
14-02-2008	03:02:53	22418858,000	0,000	0,000	0,000	0,000
14-02-2008	03:12:53	22418858,000	0,000	0,000	0,000	0,000
14-02-2008	03:22:54	22418858,000	0,000	0,000	0,000	0,000
14-02-2008	03:32:54	22419006,000	148,000	0,247	246,667	888,000
14-02-2008	03:42:54	22419204,000	198,000	0,330	330,000	1188,000
14-02-2008	03:52:54	22419404,000	200,000	0,333	333,333	1200,000
14-02-2008	04:02:54	22419604,000	200,000	0,333	333,333	1200,000
14-02-2008	04:12:54	22419804,000	200,000	0,333	333,333	1200,000
14-02-2008	04:22:54	22419936,000	132,000	0,220	220,000	792,000
14-02-2008	04:32:54	22419936,000	0,000	0,000	0,000	0,000
14-02-2008	04:42:54	22419936,000	0,000	0,000	0,000	0,000
14-02-2008	04:52:54	22419936,000	0,000	0,000	0,000	0,000
14-02-2008	05:02:54	22419936,000	0,000	0,000	0,000	0,000
14-02-2008	05:12:55	22419936,000	0,000	0,000	0,000	0,000
14-02-2008	05:22:55	22419936,000	0,000	0,000	0,000	0,000
14-02-2008	05:32:55	22420006,000	70,000	0,117	116,667	420,000
14-02-2008	05:42:55	22420206,000	200,000	0,333	333,333	1200,000
14-02-2008	05:52:55	22420412,000	206,000	0,343	343,333	1236,000
14-02-2008	06:02:55	22420616,000	204,000	0,340	340,000	1224,000
14-02-2008	06:12:55	22420820,000	204,000	0,340	340,000	1224,000
14-02-2008	06:22:55	22421022,000	202,000	0,337	336,667	1212,000
14-02-2008	06:32:55	22421220,000	198,000	0,330	330,000	1188,000
14-02-2008	06:42:55	22421422,000	202,000	0,337	336,667	1212,000
14-02-2008	06:52:55	22421622,000	200,000	0,333	333,333	1200,000
14-02-2008	07:02:55	22421820,000	198,000	0,330	330,000	1188,000
14-02-2008	07:12:55	22422020,000	200,000	0,333	333,333	1200,000
14-02-2008	07:22:55	22422218,000	198,000	0,330	330,000	1188,000
14-02-2008	07:32:56	22422412,000	194,000	0,323	323,333	1164,000
14-02-2008	07:42:56	22422610,000	198,000	0,330	330,000	1188,000
14-02-2008	07:52:56	22422806,000	196,000	0,327	326,667	1176,000
14-02-2008	08:02:56	22423002,000	196,000	0,327	326,667	1176,000

14-02-2008	08:12:56	22423160,000	158,000	0,263	263,333	948,000
14-02-2008	08:22:56	22423196,000	36,000	0,060	60,000	216,000
14-02-2008	08:32:56	22423390,000	194,000	0,323	323,333	1164,000
14-02-2008	08:42:56	22423586,000	196,000	0,327	326,667	1176,000
14-02-2008	08:52:56	22423784,000	198,000	0,330	330,000	1188,000
14-02-2008	09:02:56	22423982,000	198,000	0,330	330,000	1188,000
14-02-2008	09:12:56	22424182,000	200,000	0,333	333,333	1200,000
14-02-2008	09:22:56	22424382,000	200,000	0,333	333,333	1200,000
14-02-2008	09:32:56	22424580,000	198,000	0,330	330,000	1188,000
14-02-2008	09:42:56	22424750,000	170,000	0,283	283,333	1020,000
14-02-2008	09:52:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	10:02:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	10:12:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	10:22:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	10:32:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	10:42:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	10:52:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	11:02:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	11:12:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	11:22:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	11:32:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	11:42:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	11:52:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	12:02:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	12:12:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	12:22:56	22424750,000	0,000	0,000	0,000	0,000
14-02-2008	12:32:56	22424798,000	48,000	0,080	80,000	288,000
14-02-2008	12:42:56	22424996,000	198,000	0,330	330,000	1188,000
14-02-2008	12:52:57	22425196,000	200,000	0,333	333,333	1200,000
14-02-2008	13:02:57	22425392,000	196,000	0,327	326,667	1176,000
14-02-2008	13:12:57	22425590,000	198,000	0,330	330,000	1188,000
14-02-2008	13:22:57	22425788,000	198,000	0,330	330,000	1188,000
14-02-2008	13:32:57	22425988,000	200,000	0,333	333,333	1200,000
14-02-2008	13:42:57	22426188,000	200,000	0,333	333,333	1200,000
14-02-2008	13:52:57	22426386,000	198,000	0,330	330,000	1188,000
14-02-2008	14:02:57	22426584,000	198,000	0,330	330,000	1188,000
14-02-2008	14:12:57	22426784,000	200,000	0,333	333,333	1200,000
14-02-2008	14:22:57	22427042,000	258,000	0,430	430,000	1548,000
14-02-2008	14:32:57	22427426,000	384,000	0,640	640,000	2304,000
14-02-2008	14:42:57	22427806,000	380,000	0,633	633,333	2280,000
14-02-2008	14:52:57	22428188,000	382,000	0,637	636,667	2292,000
14-02-2008	15:02:57	22428570,000	382,000	0,637	636,667	2292,000
14-02-2008	15:12:57	22428948,000	378,000	0,630	630,000	2268,000
14-02-2008	15:22:57	22429332,000	384,000	0,640	640,000	2304,000
14-02-2008	15:32:57	22429714,000	382,000	0,637	636,667	2292,000
14-02-2008	15:42:57	22430098,000	384,000	0,640	640,000	2304,000
14-02-2008	15:52:57	22430480,000	382,000	0,637	636,667	2292,000
14-02-2008	16:02:57	22430862,000	382,000	0,637	636,667	2292,000
14-02-2008	16:12:57	22431236,000	374,000	0,623	623,333	2244,000
14-02-2008	16:22:57	22431616,000	380,000	0,633	633,333	2280,000
14-02-2008	16:32:57	22431994,000	378,000	0,630	630,000	2268,000
14-02-2008	16:42:57	22432372,000	378,000	0,630	630,000	2268,000
14-02-2008	16:52:57	22432698,000	326,000	0,543	543,333	1956,000
14-02-2008	17:02:57	22432896,000	198,000	0,330	330,000	1188,000
14-02-2008	17:12:57	22433098,000	202,000	0,337	336,667	1212,000

14-02-2008	17:22:57	22433294,000	196,000	0,327	326,667	1176,000
14-02-2008	17:32:57	22433496,000	202,000	0,337	336,667	1212,000
14-02-2008	17:42:57	22433698,000	202,000	0,337	336,667	1212,000
14-02-2008	17:52:57	22433900,000	202,000	0,337	336,667	1212,000
14-02-2008	18:02:57	22434104,000	204,000	0,340	340,000	1224,000
14-02-2008	18:12:57	22434306,000	202,000	0,337	336,667	1212,000
14-02-2008	18:22:57	22434412,000	106,000	0,177	176,667	636,000
14-02-2008	18:32:57	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	18:42:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	18:52:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	19:02:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	19:12:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	19:22:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	19:32:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	19:42:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	19:52:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	20:02:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	20:12:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	20:22:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	20:32:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	20:42:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	20:52:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	21:02:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	21:12:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	21:22:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	21:32:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	21:42:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	21:52:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	22:02:58	22434412,000	0,000	0,000	0,000	0,000
14-02-2008	22:12:58	22434568,000	156,000	0,260	260,000	936,000
14-02-2008	22:22:58	22434944,000	376,000	0,627	626,667	2256,000
14-02-2008	22:32:58	22435326,000	382,000	0,637	636,667	2292,000
14-02-2008	22:42:58	22435708,000	382,000	0,637	636,667	2292,000
14-02-2008	22:52:58	22436090,000	382,000	0,637	636,667	2292,000
14-02-2008	23:02:58	22436472,000	382,000	0,637	636,667	2292,000
14-02-2008	23:12:58	22436852,000	380,000	0,633	633,333	2280,000
14-02-2008	23:22:58	22437236,000	384,000	0,640	640,000	2304,000
14-02-2008	23:32:58	22437616,000	380,000	0,633	633,333	2280,000
14-02-2008	23:42:58	22438004,000	388,000	0,647	646,667	2328,000
14-02-2008	23:52:59	22438390,000	386,000	0,643	643,333	2316,000
15-02-2008	00:00:02	22438662,000	272,000	0,643	643,026	2314,894

Dia	09-Fev	10-Fev	11-Fev	12-Fev	13-Fev	14-Fev	Caudais Médios m3/h	Caudal Médio Horário
Hora	**Caudal (m3/h)**							
00:00-00:10	1163,793	1153,950	1168,831	1200,000	2328,000	2304,000	1553,096	1667,849
00:10-00:20	1164,000	1164,000	1140,000	1176,000	2328,000	2280,000	1542,000	
00:20-00:30	1848,000	1164,000	1152,000	1200,000	2340,000	2304,000	1668,000	
00:30-00:40	2316,000	1176,000	1128,000	1200,000	2340,000	2328,000	1748,000	
00:40-00:50	2304,000	1140,000	1152,000	1212,000	2280,000	2340,000	1738,000	
00:50-01:00	2304,000	1164,000	1164,000	1212,000	2364,000	2340,000	1758,000	
01:00-01:10	2304,000	1176,000	1344,000	1212,000	2328,000	2340,000	1784,000	1821,667
01:10-01:20	2280,000	1176,000	2292,000	1176,000	2328,000	2352,000	1934,000	
01:20-01:30	2232,000	1164,000	2244,000	1212,000	2328,000	2352,000	1922,000	
01:30-01:40	2280,000	1176,000	2268,000	1212,000	2244,000	2280,000	1910,000	
01:40-01:50	2268,000	1188,000	1848,000	1212,000	1956,000	2328,000	1800,000	
01:50-02:00	2256,000	1260,000	1188,000	1236,000	1212,000	2328,000	1580,000	
02:00-02:10	2256,000	2304,000	1188,000	1188,000	1224,000	2316,000	1746,000	1358,000
02:10-02:20	2172,000	2292,000	1152,000	1212,000	1200,000	1644,000	1612,000	
02:20-02:30	1236,000	2244,000	1188,000	1224,000	1212,000	1116,000	1370,000	
02:30-02:40	552,000	2292,000	1176,000	1212,000	1212,000	0,000	1074,000	
02:40-02:50	1140,000	2268,000	1188,000	1224,000	1212,000	0,000	1172,000	
02:50-03:00	1152,000	2268,000	1188,000	1224,000	1212,000	0,000	1174,000	
03:00-03:10	1140,000	2220,000	1188,000	1188,000	1224,000	0,000	1160,000	1443,333
03:10-03:20	1152,000	2244,000	1164,000	2184,000	1188,000	0,000	1322,000	
03:20-03:30	1164,000	2232,000	1188,000	2352,000	1212,000	888,000	1506,000	
03:30-03:40	1176,000	2244,000	1200,000	2352,000	1224,000	1188,000	1564,000	
03:40-03:50	1164,000	2232,000	1188,000	2352,000	1236,000	1200,000	1562,000	
03:50-04:00	1152,000	2244,000	1164,000	2292,000	1224,000	1200,000	1546,000	
04:00-04:10	1188,000	1704,000	1188,000	2136,000	1212,000	1200,000	1438,000	947,333
04:10-04:20	1176,000	1188,000	1188,000	1200,000	1032,000	792,000	1096,000	
04:20-04:30	1176,000	1188,000	1188,000	1188,000	0,000	0,000	790,000	
04:30-04:40	1176,000	1200,000	1188,000	1188,000	0,000	0,000	792,000	
04:40-04:50	1164,000	1200,000	1188,000	1152,000	0,000	0,000	784,000	
04:50-05:00	1176,000	1164,000	1176,000	1188,000	0,000	0,000	784,000	
05:00-05:10	1200,000	1200,000	1200,000	1188,000	0,000	0,000	798,000	1208,667
05:10-05:20	2028,000	1200,000	1200,000	1188,000	492,000	0,000	1018,000	
05:20-05:30	2352,000	1200,000	1200,000	1188,000	1236,000	420,000	1266,000	
05:30-05:40	2340,000	1200,000	1200,000	1188,000	1224,000	1200,000	1392,000	
05:40-05:50	2292,000	1212,000	1212,000	1164,000	1224,000	1236,000	1390,000	
05:50-06:00	2340,000	1188,000	1188,000	1188,000	1200,000	1224,000	1388,000	
06:00-06:10	2352,000	1212,000	1212,000	1200,000	1212,000	1224,000	1402,000	1237,667
06:10-06:20	2376,000	1212,000	1224,000	1200,000	1212,000	1212,000	1406,000	
06:20-06:30	1836,000	1224,000	1224,000	1188,000	1224,000	1188,000	1314,000	
06:30-06:40	216,000	1224,000	1224,000	1164,000	1200,000	1212,000	1040,000	
06:40-06:50	348,000	1188,000	1212,000	1200,000	1188,000	1200,000	1056,000	
06:50-07:00	1200,000	1236,000	1236,000	1188,000	1200,000	1188,000	1208,000	
07:00-07:10	312,000	1224,000	2316,000	1188,000	1200,000	1200,000	1240,000	1038,000
07:10-07:20	0,000	1224,000	2364,000	1164,000	1200,000	1188,000	1190,000	
07:20-07:30	360,000	1236,000	2304,000	1188,000	1188,000	1164,000	1240,000	
07:30-07:40	1200,000	1200,000	1596,000	1188,000	336,000	1188,000	1118,000	
07:40-07:50	1236,000	168,000	216,000	1188,000	0,000	1176,000	664,000	
07:50-08:00	1224,000	0,000	1080,000	1176,000	0,000	1176,000	776,000	

08:00-08:10	1224,000	972,000	1200,000	840,000	0,000	948,000	864,000	822,000
08:10-08:20	864,000	1200,000	1200,000	0,000	0,000	216,000	580,000	
08:20-08:30	0,000	1176,000	1200,000	0,000	0,000	1164,000	590,000	
08:30-08:40	24,000	1212,000	1176,000	0,000	0,000	1176,000	598,000	
08:40-08:50	1176,000	1200,000	1188,000	792,000	996,000	1188,000	1090,000	
08:50-09:00	1200,000	1200,000	1200,000	1212,000	1260,000	1188,000	1210,000	
09:00-09:10	336,000	1200,000	1188,000	1200,000	2316,000	1200,000	1240,000	572,000
09:10-09:20	0,000	120,000	540,000	1200,000	1932,000	1200,000	832,000	
09:20-09:30	0,000	0,000	0,000	1212,000	1200,000	1188,000	600,000	
09:30-09:40	0,000	0,000	0,000	1212,000	1164,000	1020,000	566,000	
09:40-09:50	0,000	0,000	0,000	924,000	240,000	0,000	194,000	
09:50-10:00	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
10:00-10:10	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
10:10-10:20	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
10:20-10:30	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
10:30-10:40	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
10:40-10:50	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
10:50-11:00	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
11:00-11:10	0,000	0,000	0,000	0,000	0,000	0,000	0,000	254,333
11:10-11:20	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
11:20-11:30	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
11:30-11:40	480,000	336,000	0,000	0,000	0,000	0,000	136,000	
11:40-11:50	1176,000	1212,000	204,000	0,000	1008,000	0,000	600,000	
11:50-12:00	1188,000	1176,000	1176,000	0,000	1200,000	0,000	790,000	
12:00-12:10	1152,000	1212,000	1152,000	0,000	1188,000	0,000	784,000	1059,201
12:10-12:20	1176,000	1200,000	1176,000	1068,000	1184,516	0,000	967,419	
12:20-12:30	1176,000	1212,000	1176,000	1200,000	1162,733	288,000	1035,789	
12:30-12:40	1176,000	1212,000	1176,000	1212,000	1188,000	1188,000	1192,000	
12:40-12:50	1176,000	1212,000	1176,000	1200,000	1188,000	1200,000	1192,000	
12:50-13:00	1164,000	1212,000	1176,000	1176,000	1200,000	1176,000	1184,000	
13:00-13:10	1164,000	1188,000	1164,000	1200,000	1188,000	1188,000	1182,000	1349,000
13:10-13:20	1164,000	1212,000	1176,000	1212,000	1164,000	1188,000	1186,000	
13:20-13:30	1188,000	1200,000	1176,000	1200,000	1200,000	1200,000	1194,000	
13:30-13:40	1992,000	1212,000	1692,000	1212,000	1200,000	1200,000	1418,000	
13:40-13:50	2256,000	1176,000	2316,000	1224,000	1200,000	1188,000	1560,000	
13:50-14:00	2292,000	1200,000	2256,000	1188,000	1200,000	1188,000	1554,000	
14:00-14:10	2292,000	1200,000	2316,000	1368,000	1200,000	1200,000	1596,000	2000,333
14:10-14:20	2280,000	1212,000	2328,000	2340,000	1788,000	1548,000	1916,000	
14:20-14:30	2268,000	1200,000	2328,000	2340,000	2364,000	2304,000	2134,000	
14:30-14:40	2268,000	1212,000	2304,000	2340,000	2364,000	2280,000	2128,000	
14:40-14:50	2208,000	1188,000	2244,000	2292,000	2352,000	2292,000	2096,000	
14:50-15:00	2256,000	1212,000	2304,000	2376,000	2352,000	2292,000	2132,000	
15:00-15:10	2280,000	1200,000	2328,000	2352,000	2280,000	2268,000	2118,000	2117,000
15:10-15:20	2268,000	1212,000	2316,000	2340,000	2352,000	2304,000	2132,000	
15:20-15:30	2256,000	2124,000	2316,000	2328,000	1308,000	2292,000	2104,000	
15:30-15:40	2220,000	2328,000	2316,000	2268,000	1212,000	2304,000	2108,000	
15:40-15:50	2268,000	2352,000	2280,000	2316,000	1236,000	2292,000	2124,000	
15:50-16:00	2256,000	2328,000	2304,000	2304,000	1212,000	2292,000	2116,000	
16:00-16:10	2268,000	2328,000	2172,000	2316,000	1236,000	2244,000	2094,000	1915,000
16:10-16:20	2268,000	2340,000	1224,000	2316,000	1224,000	2280,000	1942,000	
16:20-16:30	2256,000	2268,000	1212,000	2256,000	1224,000	2268,000	1914,000	
16:30-16:40	2184,000	2340,000	1200,000	2292,000	1236,000	2268,000	1920,000	
16:40-16:50	2244,000	2316,000	1224,000	2280,000	1212,000	1956,000	1872,000	
16:50-17:00	2244,000	2328,000	1224,000	2268,000	1236,000	1188,000	1748,000	

17:00-17:10	2232,000	2268,000	1224,000	1428,000	1248,000	1212,000	1602,000	1323,000
17:10-17:20	2208,000	2316,000	1224,000	0,000	1224,000	1176,000	1358,000	
17:20-17:30	2232,000	2256,000	1200,000	0,000	1236,000	1212,000	1356,000	
17:30-17:40	1572,000	1176,000	1212,000	852,000	1212,000	1212,000	1206,000	
17:40-17:50	1176,000	1176,000	1236,000	1212,000	1224,000	1212,000	1206,000	
17:50-18:00	1188,000	1188,000	1224,000	1212,000	1224,000	1224,000	1210,000	
18:00-18:10	1176,000	1176,000	1224,000	1212,000	1236,000	1212,000	1206,000	918,881
18:10-18:20	1164,000	1152,000	1236,000	1176,000	1236,000	636,000	1100,000	
18:20-18:30	1188,000	1176,000	1188,000	1212,000	1236,000	0,000	1000,000	
18:30-18:40	2088,000	1176,000	1212,000	156,000	1224,000	0,000	976,000	
18:40-18:50	2268,000	1164,000	19,726	0,000	1224,000	0,000	779,288	
18:50-19:00	1632,000	708,000	0,000	0,000	372,000	0,000	452,000	
19:00-19:10	12,000	0,000	0,000	0,000	0,000	0,000	2,000	0,333
19:10-19:20	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
19:20-19:30	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
19:30-19:40	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
19:40-19:50	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
19:50-20:00	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
20:00-20:10	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
20:10-20:20	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
20:20-20:30	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
20:30-20:40	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
20:40-20:50	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
20:50-21:00	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
21:00-21:10	0,000	0,000	0,000	0,000	0,000	0,000	0,000	6,000
21:10-21:20	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
21:20-21:30	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
21:30-21:40	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
21:40-21:50	0,000	0,000	0,000	0,000	0,000	0,000	0,000	
21:50-22:00	0,000	0,000	0,000	0,000	216,000	0,000	36,000	
22:00-22:10	744,000	0,000	0,000	588,000	1476,000	936,000	624,000	1237,000
22:10-22:20	1176,000	0,000	612,000	1188,000	2292,000	2256,000	1254,000	
22:20-22:30	1188,000	0,000	1200,000	1176,000	2292,000	2292,000	1358,000	
22:30-22:40	1164,000	0,000	1188,000	1176,000	2280,000	2292,000	1350,000	
22:40-22:50	1152,000	0,000	1200,000	1188,000	2280,000	2292,000	1352,000	
22:50-23:00	1164,000	0,000	1212,000	1980,000	2256,000	2292,000	1484,000	
23:00-23:10	1164,000	0,000	1200,000	2328,000	2244,000	2280,000	1536,000	1631,647
23:10-23:20	1164,000	0,000	1176,000	2316,000	2280,000	2304,000	1540,000	
23:20-23:30	1164,000	0,000	1200,000	2340,000	2292,000	2280,000	1546,000	
23:30-23:40	1140,000	768,000	1212,000	2340,000	2292,000	2328,000	1680,000	
23:40-23:50	1164,000	1176,000	1200,000	2292,000	2292,000	2316,000	1740,000	
23:50-00:00	1176,000	1164,000	1181,028	2349,328	2302,041	2314,894	1747,882	

Caudal Médio Diário = 1080,344 m3/h

Caudais Médios *Seixo Alvo - Alto do Marquinho (saída de Seixo Alvo)*
Caudal (m3/h)
2500
2000
1500
1000
500
0
00:00-00:10
00:50-01:00
01:40-01:50
02:30-02:40
03:20-03:30
04:10-04:20
05:00-05:10
05:50-06:00
06:40-06:50
07:30-07:40
08:20-08:30
09:10-09:20
10:00-10:10
10:50-11:00
11:40-11:50
12:30-12:40
13:20-13:30
14:10-14:20
15:00-15:10
15:50-16:00
16:40-16:50
17:30-17:40
18:20-18:30
19:10-19:20
20:00-20:10
20:50-21:00
21:40-21:50
22:30-22:40
23:20-23:30
Hora

Caudais Médios Horários *Seixo Alvo - Alto do Marquinho (saída de Seixo Alvo)*
Caudal m3/h)
2500
2000
1500
1000
500
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Tempo (horas)

ANEXO III

CURVAS CARACTERÍSTICAS E DE RENDIMENTO DAS BOMBAS

CURVAS CARACTERÍSTICAS DAS BOMBAS

CCB ETA DE LEVER

Caudal (m³/h)	Hman (m)
0	222
500	214
1000	204
1500	193
2000	183
2500	174
3000	162
3500	144
4000	125
4500	100
5000	74

CCB LAGOA

Caudal (m³/h)	Hman (m)
180	83
360	82
540	81
720	79,5
900	77,5
1080	74
1224	70
1260	69
1440	63
1620	56
1800	47,5

CCB SEIXO ALVO

Caudal (m³/h)	Hman (m)
1062	57

NOTA: Apenas foi disponibilzado o ponto de funcionamento para a estação elevatória de Seixo Alvo.

CCB LEVER MONTANTE

Caudal (m³/h)	Hman (m)
100	206
200	203
400	196
600	188
800	182
1000	175
1200	169
1400	164
1600	158,5
1800	154
2000	148,5
2200	142
2250	140
2400	134
2600	124
2800	114

CURVAS DE RENDIMENTO DAS BOMBAS

RENDIMENTO ETA DE LEVER

Caudal (m³/h)	Rend. (%)
500	24
1000	45
1500	62
2000	73,5
2500	81
3000	85
3500	87,5
3750	88
4000	86
4500	78
5000	68

RENDIMENTO LAGOA

Caudal (m³/h)	Rend. (%)
180	26
360	47
540	62
720	73
900	80,5
1080	87,5
1224	90
1260	90,5
1440	91,5
1620	89,5
1800	84

NOTA: Não foi disponibilzado a curva de rendimento para a estação elevatória de Seixo Alvo.

RENDIMENTO LEVER MONT.

Caudal (m³/h)	Rend. (%)
100	7,5
200	14
400	27
600	38
800	48
1000	57,5
1200	65,5
1400	72,5
1600	78
1800	82
2000	85
2200	86
2250	86,5
2400	86,5
2600	85
2800	83

ANEXO IV

REGISTOS DOS NÍVEIS DE ÁGUA NOS RESERVATÓRIOS

RESERVATÓRIO DE LAGOA

CÉLULA 1

Data	Hora	Altura (m)
02-09-2008	00:00:01	1,96383631
02-09-2008	00:02:55	1,97061121
02-09-2008	00:17:55	1,99533081
02-09-2008	00:32:55	2,02197313
02-09-2008	00:47:55	2,04632640
02-09-2008	01:02:55	2,06619382
02-09-2008	01:17:55	2,08908224
02-09-2008	01:32:55	2,10894966
02-09-2008	01:47:55	2,13632417
02-09-2008	02:02:55	2,15774798
02-09-2008	02:17:55	2,30807972
02-09-2008	02:32:55	2,47791266
02-09-2008	02:47:55	2,64298511
02-09-2008	03:02:55	2,80906415
02-09-2008	03:17:55	2,96992445
02-09-2008	03:32:55	3,13270783
02-09-2008	03:47:55	3,28679347
02-09-2008	04:02:55	3,44957662
02-09-2008	04:17:55	3,60631752
02-09-2008	04:32:55	3,76571321
02-09-2008	04:47:55	3,92355251
02-09-2008	05:02:56	4,07846212
02-09-2008	05:17:56	4,22915983
02-09-2008	05:32:56	4,38516808
02-09-2008	05:47:56	4,53595829
02-09-2008	06:02:56	4,68592358
02-09-2008	06:17:56	4,83671331
02-09-2008	06:32:56	4,99162340
02-09-2008	06:47:56	5,14122248
02-09-2008	07:02:56	5,29347754
02-09-2008	07:17:56	5,44499874
02-09-2008	07:32:56	5,59496498
02-09-2008	07:47:56	5,67562389
02-09-2008	08:02:56	5,66921520
02-09-2008	08:17:56	5,66097546
02-09-2008	08:32:56	5,63204432
02-09-2008	08:47:56	5,58599234
02-09-2008	09:02:56	5,53307390
02-09-2008	09:17:57	5,39208078
02-09-2008	09:32:57	5,24248171
02-09-2008	09:47:57	5,09059286
02-09-2008	10:02:57	4,93760633
02-09-2008	10:17:57	4,79432392
02-09-2008	10:32:57	4,64811182
02-09-2008	10:47:57	4,50968170
02-09-2008	11:02:57	4,36685753
02-09-2008	11:17:57	4,22961807
02-09-2008	11:32:57	4,09118795

CÉLULA 2

Data	Hora	Altura (m)
02-09-2008	00:00:01	1,83447027
02-09-2008	00:02:55	1,84042120
02-09-2008	00:17:55	1,86523235
02-09-2008	00:32:55	1,88885331
02-09-2008	00:47:55	1,91247427
02-09-2008	01:02:55	1,93536294
02-09-2008	01:17:55	1,95632887
02-09-2008	01:32:55	1,98406971
02-09-2008	01:47:55	2,00805664
02-09-2008	02:02:55	2,03286791
02-09-2008	02:17:55	2,14383173
02-09-2008	02:32:55	2,30917835
02-09-2008	02:47:55	2,47049689
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Reservatório Lagoa - Célula 1 (09-02-2008)
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Reservatório Lagoa - Célula 2 (09-02-2008)
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RESERVATÓRIO DE LAGOA

CÉLULA 1

Data	Hora	Altura (m)
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02-10-2008	01:47:59	2,22778678
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02-10-2008	03:48:00	3,39299631
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02-10-2008	07:18:01	5,40553951
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02-10-2008	11:33:02	3,81707501
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02-10-2008	14:33:02	2,32309461
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02-10-2008	15:33:03	2,14236689
02-10-2008	15:48:03	2,10299850
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02-10-2008	22:33:04	2,27319765
02-10-2008	22:48:04	2,29791737
02-10-2008	23:03:04	2,32986975
02-10-2008	23:18:04	2,35642028
02-10-2008	23:33:04	2,38269639
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Reservatório Lagoa - Célula 1 (10-02-2008)
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Reservatório Lagoa - Célula 2 (10-02-2008)
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RESERVATÓRIO DE LAGOA

CÉLULA 1

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02-11-2008	02:18:05	2,77235103
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02-11-2008	03:33:05	3,60704994
02-11-2008	03:48:05	3,74511337
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02-11-2008	04:18:05	3,99816918
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02-11-2008	08:03:06	5,76333284
02-11-2008	08:18:06	5,72094297
02-11-2008	08:33:06	5,67479992
02-11-2008	08:48:06	5,62453699
02-11-2008	09:03:06	5,54882145
02-11-2008	09:18:06	5,46816254
02-11-2008	09:33:06	5,29979420
02-11-2008	09:48:06	5,07969809
02-11-2008	10:03:06	4,85511589
02-11-2008	10:18:06	4,63758326
02-11-2008	10:33:06	4,42645931
02-11-2008	10:48:06	4,21460342
02-11-2008	11:03:06	4,00384521
02-11-2008	11:18:06	3,79345393
02-11-2008	11:33:06	3,59020376

CÉLULA 2

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02-11-2008	00:48:04	2,43067074
02-11-2008	01:03:04	2,41986728
02-11-2008	01:18:04	2,40704966
02-11-2008	01:33:04	2,43936825
02-11-2008	01:48:05	2,46482038
02-11-2008	02:03:05	2,48578620
02-11-2008	02:18:05	2,59830642
02-11-2008	02:33:05	2,76859713
02-11-2008	02:48:05	2,93962026
02-11-2008	03:03:05	3,10267782
02-11-2008	03:18:05	3,27260280
02-11-2008	03:33:05	3,43685079
02-11-2008	03:48:05	3,56429410
02-11-2008	04:03:05	3,68917370
02-11-2008	04:18:05	3,81744123
02-11-2008	04:33:05	3,94085622
02-11-2008	04:48:05	4,06161594
02-11-2008	05:03:05	4,17560101
02-11-2008	05:18:05	4,29480457
02-11-2008	05:33:05	4,41666269
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02-11-2008	06:03:05	4,64472437
02-11-2008	06:18:05	4,76392794
02-11-2008	06:33:05	4,87718058
02-11-2008	06:48:05	4,99574280
02-11-2008	07:03:05	5,10972786
02-11-2008	07:18:06	5,22179031
02-11-2008	07:33:06	5,33540916
02-11-2008	07:48:06	5,44454145
02-11-2008	08:03:06	5,60283852
02-11-2008	08:18:06	5,59304237
02-11-2008	08:33:06	5,54882145
02-11-2008	08:48:06	5,48390961
02-11-2008	09:03:06	5,40480709
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02-11-2008	10:18:06	4,54044437
02-11-2008	10:33:06	4,32629919
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02-11-2008	11:03:06	3,90441799
02-11-2008	11:18:06	3,69704747
02-11-2008	11:33:06	3,48592377

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02-11-2008	12:48:06	3,07081723
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02-11-2008	15:18:07	3,44884419
02-11-2008	15:33:07	3,52721453
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02-11-2008	16:33:07	3,83730865
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02-11-2008	17:48:07	4,32373571
02-11-2008	18:03:07	4,44403791
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02-11-2008	21:21:47	1,91128409
02-11-2008	21:36:47	1,77029073
02-11-2008	21:51:47	1,70922422
02-11-2008	22:06:47	1,66198230
02-11-2008	22:21:47	1,61437404
02-11-2008	22:36:47	1,59066153
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02-11-2008	13:03:06	2,87772965
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02-11-2008	13:33:07	2,77308345
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02-11-2008	14:33:07	3,02732897
02-11-2008	14:48:07	3,10121298
02-11-2008	15:03:07	3,17317462
02-11-2008	15:18:07	3,24971437
02-11-2008	15:33:07	3,32167578
02-11-2008	15:48:07	3,39180613
02-11-2008	16:03:07	3,46047187
02-11-2008	16:18:07	3,54515910
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02-11-2008	16:48:07	3,74840927
02-11-2008	17:03:07	3,84481597
02-11-2008	17:18:07	3,94680715
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02-11-2008	17:48:07	4,13769817
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02-11-2008	18:50:18	4,02710009
02-11-2008	19:05:18	3,78970027
02-11-2008	19:20:18	3,56136441
02-11-2008	19:35:45	3,32881689
02-11-2008	19:51:47	3,08812094
02-11-2008	20:06:47	2,86948967
02-11-2008	20:21:47	2,65305591
02-11-2008	20:36:47	2,43405819
02-11-2008	20:51:47	2,22037077
02-11-2008	21:06:47	2,00997949
02-11-2008	21:21:47	1,80105305
02-11-2008	21:36:47	1,62261379
02-11-2008	21:51:47	1,56630814
02-11-2008	22:06:47	1,50972772
02-11-2008	22:21:47	1,47740912
02-11-2008	22:36:47	1,44856954
02-11-2008	22:51:47	1,42421615
02-11-2008	23:06:47	1,39345396
02-11-2008	23:21:47	1,40169382
02-11-2008	23:36:47	1,41030002
02-11-2008	23:51:47	1,41936374
02-12-2008	00:00:03	1,42458236

Reservatório Lagoa - Célula 1 (11-02-2008)
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13:33:07
14:48:07
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18:33:07
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21:06:47
22:21:47
23:36:47
Horas

Reservatório Lagoa - Célula 2 (11-02-2008)
Nível (m)
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12:18:06
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14:48:07
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22:21:47
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Horas

RESERVATÓRIO DE LAGOA

CÉLULA 1

Data	Hora	Altura (m)
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02-12-2008	01:21:48	2,35724425
02-12-2008	01:36:48	2,49823761
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02-12-2008	02:36:48	3,06147885
02-12-2008	02:51:48	3,19871807
02-12-2008	03:06:48	3,33522558
02-12-2008	03:21:48	3,47136664
02-12-2008	03:36:48	3,60668373
02-12-2008	03:51:48	3,73870468
02-12-2008	04:06:48	3,86880326
02-12-2008	04:21:48	3,99816918
02-12-2008	04:36:48	4,12387276
02-12-2008	04:51:49	4,25433779
02-12-2008	05:06:49	4,37692833
02-12-2008	05:21:49	4,50336504
02-12-2008	05:36:49	4,62632179
02-12-2008	05:51:49	4,74973726
02-12-2008	06:06:49	4,87498331
02-12-2008	06:21:49	5,00315905
02-12-2008	06:36:49	5,12584162
02-12-2008	06:51:49	5,25255251
02-12-2008	07:06:49	5,37596703
02-12-2008	07:21:49	5,50304461
02-12-2008	07:36:49	5,62755775
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02-12-2008	08:06:49	5,87319803
02-12-2008	08:21:49	5,95797682
02-12-2008	08:36:49	5,86871147
02-12-2008	08:51:49	5,78924227
02-12-2008	09:06:49	5,68679380
02-12-2008	09:21:49	5,58974600
02-12-2008	09:36:49	5,32570410
02-12-2008	09:51:50	5,08006430
02-12-2008	10:06:50	4,83295965
02-12-2008	10:21:50	4,59894753
02-12-2008	10:36:50	4,37097740
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02-12-2008	11:06:50	3,91906643
02-12-2008	11:21:50	3,69182897
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CÉLULA 2

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02-12-2008	01:21:48	2,18695378
02-12-2008	01:36:48	2,33362341
02-12-2008	01:51:48	2,47461677
02-12-2008	02:06:48	2,61441970
02-12-2008	02:21:48	2,75806832
02-12-2008	02:36:48	2,89457560
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02-12-2008	03:36:48	3,43685079
02-12-2008	03:51:48	3,56392789
02-12-2008	04:06:48	3,69704747
02-12-2008	04:21:48	3,82723737
02-12-2008	04:36:48	3,95806861
02-12-2008	04:51:49	4,08441305
02-12-2008	05:06:49	4,20892715
02-12-2008	05:21:49	4,33307409
02-12-2008	05:36:49	4,45868635
02-12-2008	05:51:49	4,58091068
02-12-2008	06:06:49	4,70469284
02-12-2008	06:21:49	4,83149481
02-12-2008	06:36:49	4,95747328
02-12-2008	06:51:49	5,08683920
02-12-2008	07:06:49	5,21281767
02-12-2008	07:21:49	5,33623266
02-12-2008	07:36:49	5,45955658
02-12-2008	07:51:49	5,59047890
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02-12-2008	08:21:49	5,77834797
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02-12-2008	18:21:51	4,07772970
02-12-2008	18:36:51	3,89361429
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02-12-2008	20:21:51	2,55674076
02-12-2008	20:36:51	2,35266662
02-12-2008	20:51:51	2,14456415
02-12-2008	21:06:51	1,93792641
02-12-2008	21:21:51	1,73998630
02-12-2008	21:36:52	1,58397806
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02-12-2008	22:51:52	1,82916009
02-12-2008	23:06:52	1,93197548
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02-12-2008	23:36:52	2,12918305
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03-12-2008	00:00:23	2,31778455

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02-12-2008	13:36:50	2,05529857
02-12-2008	13:51:50	2,14987421
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02-12-2008	14:21:50	2,33316565
02-12-2008	14:36:50	2,41492343
02-12-2008	14:51:50	2,49741364
02-12-2008	15:06:50	2,61368728
02-12-2008	15:21:50	2,72767258
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02-12-2008	15:51:50	2,94035268
02-12-2008	16:06:50	3,04719615
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02-12-2008	16:51:51	3,35545897
02-12-2008	17:06:51	3,45561910
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02-12-2008	17:36:51	3,65548205
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02-12-2008	18:06:51	3,84893584
02-12-2008	18:21:51	3,92547512
02-12-2008	18:36:51	3,78484774
02-12-2008	18:51:51	3,59056997
02-12-2008	19:06:51	3,39858103
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02-12-2008	19:51:51	2,83158636
02-12-2008	20:06:51	2,64106202
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02-12-2008	22:21:52	1,44216073
02-12-2008	22:36:52	1,54497600
02-12-2008	22:51:52	1,64586866
02-12-2008	23:06:52	1,74557114
02-12-2008	23:21:52	1,84271002
02-12-2008	23:36:52	1,94506764
02-12-2008	23:51:52	2,07187033
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Reservatório Lagoa - Célula 1 (12-02-2008)
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23:36:52
Horas

Reservatório Lagoa - Célula 2 (12-02-2008)
Nível (m)
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Horas

RESERVATÓRIO DE LAGOA

CÉLULA 1

Data	Hora	Altura (m)
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13-02-2008	01:06:52	2,90061831
13-02-2008	01:21:52	3,04454112
13-02-2008	01:36:52	3,19349957
13-02-2008	01:51:52	3,34007812
13-02-2008	02:06:52	3,48445892
13-02-2008	02:21:52	3,63067079
13-02-2008	02:36:52	3,76946688
13-02-2008	02:51:52	3,91458035
13-02-2008	03:06:52	4,05593967
13-02-2008	03:21:52	4,19436979
13-02-2008	03:36:52	4,33197546
13-02-2008	03:51:52	4,46765900
13-02-2008	04:06:52	4,60718727
13-02-2008	04:21:52	4,74222946
13-02-2008	04:36:52	4,87681437
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13-02-2008	05:21:53	5,28633642
13-02-2008	05:36:53	5,41982174
13-02-2008	05:51:53	5,55742741
13-02-2008	06:06:53	5,69018078
13-02-2008	06:21:53	5,82293415
13-02-2008	06:36:53	5,82293415
13-02-2008	06:51:53	5,80343390
13-02-2008	07:06:53	5,77981281
13-02-2008	07:21:53	5,72167540
13-02-2008	07:36:53	5,66097546
13-02-2008	07:51:53	5,60283852
13-02-2008	08:06:53	5,54616690
13-02-2008	08:21:53	5,48354340
13-02-2008	08:36:53	5,42842817
13-02-2008	08:51:53	5,35344458
13-02-2008	09:06:53	5,26042604
13-02-2008	09:21:53	5,17079449
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13-02-2008	10:06:54	4,50299883
13-02-2008	10:21:54	4,34058142
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13-02-2008	10:51:54	4,02673388
13-02-2008	11:06:54	3,87292314
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CÉLULA 2

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13-02-2008	01:51:52	3,17097735
13-02-2008	02:06:52	3,31270337
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13-02-2008	03:06:52	3,88116312
13-02-2008	03:21:52	4,02334642
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13-02-2008	03:51:52	4,29480457
13-02-2008	04:06:52	4,43579769
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13-02-2008	07:21:53	5,59386635
13-02-2008	07:36:53	5,53197527
13-02-2008	07:51:53	5,46935225
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13-02-2008	08:21:53	5,35454321
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13-02-2008	11:36:54	3,45442891

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13-02-2008	13:07:59	2,90473819
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13-02-2008	13:37:59	2,90473819
13-02-2008	13:52:59	2,92423916
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13-02-2008	15:52:59	3,42742062
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13-02-2008	18:38:00	4,73243332
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13-02-2008	19:23:00	4,12423897
13-02-2008	19:38:00	3,92208767
13-02-2008	19:53:00	3,72597861
13-02-2008	20:08:00	3,52831340
13-02-2008	20:23:00	3,33366919
13-02-2008	20:38:00	3,14241242
13-02-2008	20:53:00	2,95381117
13-02-2008	21:08:00	2,77042818
13-02-2008	21:23:00	2,72474289
13-02-2008	21:38:01	2,68867040
13-02-2008	21:53:01	2,65873218
13-02-2008	22:08:01	2,62265968
13-02-2008	22:23:01	2,59043264
13-02-2008	22:38:01	2,54996586
13-02-2008	22:53:01	2,51361871
13-02-2008	23:08:01	2,48322272
13-02-2008	23:23:01	2,44605184
13-02-2008	23:38:01	2,41043735
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Reservatório Lagoa - Célula 1 (13-02-2008)
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23:38:01
Horas

Reservatório Lagoa - Célula 2 (13-02-2008)
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Horas

RESERVATÓRIO DE LAGOA

CÉLULA 1

Data	Hora	Altura (m)
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14-02-2008	02:38:01	4,07058859
14-02-2008	02:53:01	4,23447037
14-02-2008	03:08:02	4,39496517
14-02-2008	03:23:02	4,55921316
14-02-2008	03:38:02	4,71741819
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14-02-2008	04:23:02	5,20311308
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14-02-2008	05:38:02	5,61748695
14-02-2008	05:53:02	5,62719154
14-02-2008	06:08:02	5,63991833
14-02-2008	06:23:02	5,65117884
14-02-2008	06:38:02	5,66097546
14-02-2008	06:53:02	5,67104626
14-02-2008	07:08:02	5,68496275
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CÉLULA 2

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14-02-2008	01:53:01	3,40874338
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14-02-2008	02:23:01	3,73641562
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14-02-2008	03:08:02	4,22961807
14-02-2008	03:23:02	4,38818979
14-02-2008	03:38:02	4,55060673
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14-02-2008	18:23:04	3,90478420
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14-02-2008	22:38:05	1,66756701
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14-02-2008	13:08:03	2,48917365
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14-02-2008	13:38:04	2,42993832
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14-02-2008	14:38:04	2,30432606
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14-02-2008	15:08:04	2,36621666
14-02-2008	15:23:04	2,48285651
14-02-2008	15:38:04	2,59382010
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14-02-2008	17:38:04	3,42705441
14-02-2008	17:53:04	3,52382708
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14-02-2008	23:08:05	1,46019685
14-02-2008	23:23:06	1,42568099
14-02-2008	23:38:06	1,39162290
14-02-2008	23:53:06	1,35857189
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Reservatório Lagoa - Célula 1 (14-02-2008)
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23:38:06
Horas

Reservatório Lagoa - Célula 2 - (14-02-2008)
Nível (m)
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12:23:03
13:38:04
14:53:04
16:08:04
17:23:04
18:38:05
19:53:05
21:08:05
22:23:05
23:38:06
Horas

RESERVATÓRIO DE LAGOA

CÉLULA 1

Data	Hora	Altura (m)
15-02-2008	00:00:02	1,49059284
15-02-2008	00:08:06	1,46916926
15-02-2008	00:23:06	1,52922857
15-02-2008	00:38:06	1,65255225
15-02-2008	00:53:06	1,79995441
15-02-2008	01:08:06	1,98480213
15-02-2008	01:23:06	2,16141009
15-02-2008	01:38:06	2,33206701
15-02-2008	01:53:06	2,49823761
15-02-2008	02:08:06	2,67411327
15-02-2008	02:23:06	2,84696746
15-02-2008	02:38:06	3,00746155
15-02-2008	02:53:06	3,17024493
15-02-2008	03:08:06	3,34081054
15-02-2008	03:23:06	3,50579119
15-02-2008	03:38:06	3,66930676
15-02-2008	03:53:06	3,82943463
15-02-2008	04:08:06	3,98883057
15-02-2008	04:23:06	4,15005732
15-02-2008	04:38:06	4,30981970
15-02-2008	04:53:06	4,46765900
15-02-2008	05:08:06	4,63007593
15-02-2008	05:23:06	4,79093647
15-02-2008	05:38:06	4,94959974
15-02-2008	05:53:07	5,11311531
15-02-2008	06:08:07	5,26683474
15-02-2008	06:23:07	5,38942575
15-02-2008	06:38:07	5,51210833
15-02-2008	06:53:07	5,62682533
15-02-2008	07:08:07	5,74273300
15-02-2008	07:23:07	5,86422539
15-02-2008	07:38:07	5,96658325
15-02-2008	07:53:07	5,96246338
15-02-2008	08:08:07	5,93508816
15-02-2008	08:23:07	5,87209940
15-02-2008	08:38:07	5,80270147
15-02-2008	08:53:07	5,76818514
15-02-2008	09:08:07	5,89233208
15-02-2008	09:23:07	5,85406303
15-02-2008	09:38:07	5,77230501
15-02-2008	09:53:07	5,69622326
15-02-2008	10:08:07	5,62087488
15-02-2008	10:23:07	5,54094744
15-02-2008	10:38:07	5,46367598
15-02-2008	10:53:07	5,38686228
15-02-2008	11:08:08	5,31142187
15-02-2008	11:23:08	5,23195219
15-02-2008	11:38:08	5,15623760
15-02-2008	11:53:08	5,07896566

CÉLULA 2

Data	Hora	Altura (m)
15-02-2008	00:00:02	1,34016955
15-02-2008	00:08:06	1,32780969
15-02-2008	00:23:06	1,34731066
15-02-2008	00:38:06	1,45983064
15-02-2008	00:53:06	1,64357984
15-02-2008	01:08:06	1,81908906
15-02-2008	01:23:06	1,98974609
15-02-2008	01:38:06	2,16516376
15-02-2008	01:53:06	2,33691931
15-02-2008	02:08:06	2,50382257
15-02-2008	02:23:06	2,67292309
15-02-2008	02:38:06	2,84769988
15-02-2008	02:53:06	3,00856018
15-02-2008	03:08:06	3,17097735
15-02-2008	03:23:06	3,33366919
15-02-2008	03:38:06	3,49379730
15-02-2008	03:53:06	3,65658069
15-02-2008	04:08:06	3,81853986
15-02-2008	04:23:06	3,98434448
15-02-2008	04:38:06	4,14145136
15-02-2008	04:53:06	4,30084753
15-02-2008	05:08:06	4,46207380
15-02-2008	05:23:06	4,62366676
15-02-2008	05:38:06	4,78233051
15-02-2008	05:53:07	4,94621229
15-02-2008	06:08:07	5,09691000
15-02-2008	06:23:07	5,21657133
15-02-2008	06:38:07	5,33586645
15-02-2008	06:53:07	5,45287275
15-02-2008	07:08:07	5,57317495
15-02-2008	07:23:07	5,69018078
15-02-2008	07:38:07	5,82293415
15-02-2008	07:53:07	5,84243536
15-02-2008	08:08:07	5,79894686
15-02-2008	08:23:07	5,72954893
15-02-2008	08:38:07	5,65722132
15-02-2008	08:53:07	5,64669323
15-02-2008	09:08:07	5,77303743
15-02-2008	09:23:07	5,75024033
15-02-2008	09:38:07	5,67562389
15-02-2008	09:53:07	5,59908485
15-02-2008	10:08:07	5,51879168
15-02-2008	10:23:07	5,44454145
15-02-2008	10:38:07	5,36434031
15-02-2008	10:53:07	5,28670263
15-02-2008	11:08:08	5,21208525
15-02-2008	11:23:08	5,13371515
15-02-2008	11:38:08	5,05754232
15-02-2008	11:53:08	4,98036146

15-02-2008	12:08:08	5,00169420
15-02-2008	12:23:08	4,92561245
15-02-2008	12:38:08	4,84943962
15-02-2008	12:53:08	4,78049946
15-02-2008	13:08:08	4,73243332
15-02-2008	13:23:08	4,71897507
15-02-2008	13:38:08	4,68070507
15-02-2008	13:53:08	4,63868189
15-02-2008	14:08:08	4,60233450
15-02-2008	14:23:08	4,56031179
15-02-2008	14:38:08	4,51416826
15-02-2008	14:53:08	4,44486189
15-02-2008	15:08:08	4,37024498
15-02-2008	15:23:08	4,29672718
15-02-2008	15:38:08	4,22806120
15-02-2008	15:53:08	4,15491009
15-02-2008	16:08:08	4,08596945
15-02-2008	16:23:08	4,01437378
15-02-2008	16:38:08	3,95092750
15-02-2008	16:53:09	3,87484574
15-02-2008	17:08:09	3,80956769
15-02-2008	17:23:09	3,74016953
15-02-2008	17:38:09	3,67122936
15-02-2008	17:53:09	3,59624624
15-02-2008	18:08:09	3,52904582
15-02-2008	18:23:09	3,50698137
15-02-2008	18:38:09	3,46944404
15-02-2008	18:53:09	3,42558956
15-02-2008	19:08:09	3,35655761
15-02-2008	19:23:09	3,28606105
15-02-2008	19:38:09	3,21556425
15-02-2008	19:53:09	3,15294147
15-02-2008	20:08:09	3,08024716
15-02-2008	20:23:09	3,01496935
15-02-2008	20:38:09	2,94749403
15-02-2008	20:53:09	2,87772965
15-02-2008	21:08:09	2,81474042
15-02-2008	21:23:09	2,74946237
15-02-2008	21:38:09	2,68537450
15-02-2008	21:53:09	2,61707473
15-02-2008	22:08:09	2,55262089
15-02-2008	22:23:10	2,48130012
15-02-2008	22:38:10	2,41986728
15-02-2008	22:53:10	2,35834289
15-02-2008	23:08:10	2,29343128
15-02-2008	23:23:10	2,33206701
15-02-2008	23:38:10	2,33582067
15-02-2008	23:53:10	2,35010314
16-02-2008	00:00:25	2,35010314

15-02-2008	12:08:08	4,90611172
15-02-2008	12:23:08	4,82545233
15-02-2008	12:38:08	4,75349092
15-02-2008	12:53:08	4,67731762
15-02-2008	13:08:08	4,63007593
15-02-2008	13:23:08	4,62293434
15-02-2008	13:38:08	4,57944584
15-02-2008	13:53:08	4,53971195
15-02-2008	14:08:08	4,50336504
15-02-2008	14:23:08	4,46170759
15-02-2008	14:38:08	4,41556406
15-02-2008	14:53:08	4,34131384
15-02-2008	15:08:08	4,26862001
15-02-2008	15:23:08	4,19885588
15-02-2008	15:38:08	4,12570381
15-02-2008	15:53:08	4,05593967
15-02-2008	16:08:08	3,98361206
15-02-2008	16:23:08	3,91494656
15-02-2008	16:38:08	3,84371734
15-02-2008	16:53:09	3,77505159
15-02-2008	17:08:09	3,70043492
15-02-2008	17:23:09	3,62691712
15-02-2008	17:38:09	3,56054044
15-02-2008	17:53:09	3,49306488
15-02-2008	18:08:09	3,42668819
15-02-2008	18:23:09	3,40343332
15-02-2008	18:38:09	3,36443162
15-02-2008	18:53:09	3,31645727
15-02-2008	19:08:09	3,24898195
15-02-2008	19:23:09	3,17885113
15-02-2008	19:38:09	3,11247444
15-02-2008	19:53:09	3,04573131
15-02-2008	20:08:09	2,97898841
15-02-2008	20:23:09	2,91142154
15-02-2008	20:38:09	2,84769988
15-02-2008	20:53:09	2,77235103
15-02-2008	21:08:09	2,70743895
15-02-2008	21:23:09	2,64106202
15-02-2008	21:38:09	2,57807279
15-02-2008	21:53:09	2,50830865
15-02-2008	22:08:09	2,44568563
15-02-2008	22:23:10	2,38123155
15-02-2008	22:38:10	2,31558728
15-02-2008	22:53:10	2,25067544
15-02-2008	23:08:10	2,19034123
15-02-2008	23:23:10	2,19894743
15-02-2008	23:38:10	2,20791960
15-02-2008	23:53:10	2,21322966
16-02-2008	00:00:25	2,21396208

Reservatório Lagoa - Célula 1 (15-02-2008)
Nível (m)
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12:23:08
13:38:08
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16:08:08
17:23:09
18:38:09
19:53:09
21:08:09
22:23:10
23:38:10
Horas

Reservatório Lagoa - Célula 2 (15-02-2008)
Nível (m)
7,0
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3,0
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23:38:10
Horas

RESERVATÓRIO DE LAGOA

CÉLULA 1

Data	Hora	Altura (m)
16-02-2008	00:00:25	2,35010314
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16-02-2008	00:23:10	2,29572010
16-02-2008	00:38:10	2,27054262
16-02-2008	00:53:10	2,27136660
16-02-2008	01:08:10	2,28628993
16-02-2008	01:23:10	2,29755116
16-02-2008	01:38:10	2,31448865
16-02-2008	01:53:10	2,32794714
16-02-2008	02:08:10	2,33994055
16-02-2008	02:23:10	2,35046935
16-02-2008	02:38:10	2,44495320
16-02-2008	02:53:10	2,60846877
16-02-2008	03:08:10	2,76484346
16-02-2008	03:23:10	2,92643642
16-02-2008	03:38:10	3,08097959
16-02-2008	03:53:10	3,23131156
16-02-2008	04:08:10	3,39107370
16-02-2008	04:23:10	3,54259562
16-02-2008	04:38:10	3,69558263
16-02-2008	04:53:11	3,84481597
16-02-2008	05:08:11	3,99523926
16-02-2008	05:23:11	4,14035273
16-02-2008	05:38:11	4,29187489
16-02-2008	05:53:11	4,43698788
16-02-2008	06:08:11	4,58805227
16-02-2008	06:23:11	4,73774338
16-02-2008	06:38:11	4,88542032
16-02-2008	06:53:11	5,03959751
16-02-2008	07:08:11	5,18324566
16-02-2008	07:23:11	5,32533789
16-02-2008	07:38:11	5,43035030
16-02-2008	07:53:11	5,52629900
16-02-2008	08:08:11	5,59871864
16-02-2008	08:23:11	5,71947813
16-02-2008	08:38:11	5,85891533
16-02-2008	08:53:11	5,86230278
16-02-2008	09:08:11	5,77267122
16-02-2008	09:23:11	5,61483240
16-02-2008	09:38:12	5,45204926
16-02-2008	09:53:12	5,29494238
16-02-2008	10:08:12	5,13334894
16-02-2008	10:23:12	4,97248793
16-02-2008	10:38:12	4,81455755
16-02-2008	10:53:12	4,66230297
16-02-2008	11:08:12	4,51087236
16-02-2008	11:23:12	4,36237144
16-02-2008	11:38:12	4,20105314

CÉLULA 2

Data	Hora	Altura (m)
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16-02-2008	00:23:10	2,15582538
16-02-2008	00:38:10	2,13403535
16-02-2008	00:53:10	2,14236689
16-02-2008	01:08:10	2,15317035
16-02-2008	01:23:10	2,16928363
16-02-2008	01:38:10	2,18210125
16-02-2008	01:53:10	2,19629216
16-02-2008	02:08:10	2,21359587
16-02-2008	02:23:10	2,22632194
16-02-2008	02:38:10	2,28107142
16-02-2008	02:53:10	2,44119930
16-02-2008	03:08:10	2,60361648
16-02-2008	03:23:10	2,75770211
16-02-2008	03:38:10	2,90959048
16-02-2008	03:53:10	3,06367612
16-02-2008	04:08:10	3,21748686
16-02-2008	04:23:10	3,36818528
16-02-2008	04:38:10	3,51970720
16-02-2008	04:53:11	3,67269421
16-02-2008	05:08:11	3,82458234
16-02-2008	05:23:11	3,97161841
16-02-2008	05:38:11	4,12011957
16-02-2008	05:53:11	4,26450014
16-02-2008	06:08:11	4,41629648
16-02-2008	06:23:11	4,56974125
16-02-2008	06:38:11	4,71668577
16-02-2008	06:53:11	4,86710978
16-02-2008	07:08:11	5,01853991
16-02-2008	07:23:11	5,15129375
16-02-2008	07:38:11	5,25255251
16-02-2008	07:53:11	5,33998680
16-02-2008	08:08:11	5,40480709
16-02-2008	08:23:11	5,54918766
16-02-2008	08:38:11	5,69054699
16-02-2008	08:53:11	5,72918272
16-02-2008	09:08:11	5,64028454
16-02-2008	09:23:11	5,51879168
16-02-2008	09:38:12	5,35829782
16-02-2008	09:53:12	5,19707060
16-02-2008	10:08:12	5,04032993
16-02-2008	10:23:12	4,87498331
16-02-2008	10:38:12	4,71631956
16-02-2008	10:53:12	4,56562185
16-02-2008	11:08:12	4,41144466
16-02-2008	11:23:12	4,26221132
16-02-2008	11:38:12	4,10171700

16-02-2008	11:53:12	4,01885986
16-02-2008	12:08:12	3,83849883
16-02-2008	12:23:12	3,62691712
16-02-2008	12:38:12	3,42073727
16-02-2008	12:53:12	3,21629667
16-02-2008	13:08:12	3,01762438
16-02-2008	13:23:12	2,81767011
16-02-2008	13:38:12	2,70066381
16-02-2008	13:53:12	2,65607715
16-02-2008	14:08:12	2,60242629
16-02-2008	14:23:12	2,66623974
16-02-2008	14:38:12	2,76072359
16-02-2008	14:53:12	2,84962249
16-02-2008	15:08:13	2,93394375
16-02-2008	15:23:13	3,02659655
16-02-2008	15:38:13	3,11128426
16-02-2008	15:53:13	3,19349957
16-02-2008	16:08:13	3,27599025
16-02-2008	16:23:13	3,35692382
16-02-2008	16:38:13	3,44023824
16-02-2008	16:53:13	3,51366472
16-02-2008	17:08:13	3,59624624
16-02-2008	17:23:13	3,67379284
16-02-2008	17:38:13	3,74804306
16-02-2008	17:53:13	3,82494855
16-02-2008	18:08:13	3,89810038
16-02-2008	18:23:13	3,97418213
16-02-2008	18:38:13	3,92062283
16-02-2008	18:53:13	3,76195955
16-02-2008	19:08:13	3,61492348
16-02-2008	19:23:13	3,46981025
16-02-2008	19:38:13	3,32021093
16-02-2008	19:53:13	3,17811871
16-02-2008	20:08:13	3,03593516
16-02-2008	20:23:13	2,89649820
16-02-2008	20:38:13	2,75211740
16-02-2008	20:53:13	2,61780715
16-02-2008	21:08:13	2,47754645
16-02-2008	21:23:14	2,34479284
16-02-2008	21:38:14	2,20874357
16-02-2008	21:53:14	2,07296896
16-02-2008	22:08:14	1,94058156
16-02-2008	22:23:14	1,87081718
16-02-2008	22:38:14	1,87081718
16-02-2008	22:53:14	1,84985125
16-02-2008	23:08:14	1,83593512
16-02-2008	23:23:14	1,81643403
16-02-2008	23:38:14	1,83785772
16-02-2008	23:53:14	1,85397112
17-02-2008	00:00:16	1,86486614

16-02-2008	11:53:12	3,91979885
16-02-2008	12:08:12	3,73723960
16-02-2008	12:23:12	3,52419329
16-02-2008	12:38:12	3,31984472
16-02-2008	12:53:12	3,11320686
16-02-2008	13:08:12	2,92048526
16-02-2008	13:23:12	2,71311545
16-02-2008	13:38:12	2,55857182
16-02-2008	13:53:12	2,50418878
16-02-2008	14:08:12	2,45429158
16-02-2008	14:23:12	2,47461677
16-02-2008	14:38:12	2,56983280
16-02-2008	14:53:12	2,65873218
16-02-2008	15:08:13	2,75092721
16-02-2008	15:23:13	2,83872747
16-02-2008	15:38:13	2,92011905
16-02-2008	15:53:13	3,00260949
16-02-2008	16:08:13	3,08171201
16-02-2008	16:23:13	3,16685748
16-02-2008	16:38:13	3,24293876
16-02-2008	16:53:13	3,32130957
16-02-2008	17:08:13	3,39858103
16-02-2008	17:23:13	3,47466254
16-02-2008	17:38:13	3,55312467
16-02-2008	17:53:13	3,62243104
16-02-2008	18:08:13	3,70006871
16-02-2008	18:23:13	3,77468538
16-02-2008	18:38:13	3,80508113
16-02-2008	18:53:13	3,65767932
16-02-2008	19:08:13	3,51183367
16-02-2008	19:23:13	3,36708665
16-02-2008	19:38:13	3,21629667
16-02-2008	19:53:13	3,07081723
16-02-2008	20:08:13	2,93055630
16-02-2008	20:23:13	2,78846431
16-02-2008	20:38:13	2,65305591
16-02-2008	20:53:13	2,51096368
16-02-2008	21:08:13	2,37482285
16-02-2008	21:23:14	2,23831558
16-02-2008	21:38:14	2,10107589
16-02-2008	21:53:14	1,97207606
16-02-2008	22:08:14	1,83859015
16-02-2008	22:23:14	1,74593735
16-02-2008	22:38:14	1,73467624
16-02-2008	22:53:14	1,71297789
16-02-2008	23:08:14	1,70061803
16-02-2008	23:23:14	1,68221581
16-02-2008	23:38:14	1,71068907
16-02-2008	23:53:14	1,72799265
17-02-2008	00:00:16	1,73916233

Reservatório Lagoa - Célula 1 (16-02-2008)
Nível (m)
7,0
6,0
5,0
4,0
3,0
2,0
1,0
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01:08:10
02:23:10
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11:08:12
12:23:12
13:38:12
14:53:12
16:08:13
17:23:13
18:38:13
19:53:13
21:08:13
22:23:14
23:38:14
Horas

Reservatório Lagoa - Célula 2 (16-02-2008)
Nível (m)
7,0
6,0
5,0
4,0
3,0
2,0
1,0
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07:23:11
08:38:11
09:53:12
11:08:12
12:23:12
13:38:12
14:53:12
16:08:13
17:23:13
18:38:13
19:53:13
21:08:13
22:23:14
23:38:14
Horas

RESERVATÓRIO DE LAGOA

CÉLULA 1

Data	Hora	Altura (m)
17-02-2008	00:00:16	1,86486614
17-02-2008	00:08:14	1,87310600
17-02-2008	00:23:14	1,88583207
17-02-2008	00:38:14	1,90569937
17-02-2008	00:53:14	1,92373550
17-02-2008	01:08:14	1,94058156
17-02-2008	01:23:14	1,95559645
17-02-2008	01:38:14	1,96942103
17-02-2008	01:53:14	1,98333728
17-02-2008	02:08:15	2,14236689
17-02-2008	02:23:15	2,30807972
17-02-2008	02:38:15	2,47342658
17-02-2008	02:53:15	2,63657594
17-02-2008	03:08:15	2,79853535
17-02-2008	03:23:15	2,95307875
17-02-2008	03:38:15	3,10981941
17-02-2008	03:53:15	3,26546144
17-02-2008	04:08:15	3,42705441
17-02-2008	04:23:15	3,57592154
17-02-2008	04:38:15	3,72973228
17-02-2008	04:53:15	3,88043070
17-02-2008	05:08:15	4,03121996
17-02-2008	05:23:15	4,17706585
17-02-2008	05:38:15	4,32556677
17-02-2008	05:53:15	4,47260284
17-02-2008	06:08:15	4,61881447
17-02-2008	06:23:15	4,76392794
17-02-2008	06:38:15	4,90794277
17-02-2008	06:53:15	5,05799961
17-02-2008	07:08:16	5,20347929
17-02-2008	07:23:16	5,35829782
17-02-2008	07:38:16	5,50304461
17-02-2008	07:53:16	5,65529919
17-02-2008	08:08:16	5,80343390
17-02-2008	08:23:16	5,85818291
17-02-2008	08:38:16	5,84280157
17-02-2008	08:53:16	5,76928377
17-02-2008	09:08:16	5,69054699
17-02-2008	09:23:16	5,63991833
17-02-2008	09:38:16	5,63579750
17-02-2008	09:53:16	5,63131189
17-02-2008	10:08:16	5,62719154
17-02-2008	10:23:16	5,62499428
17-02-2008	10:38:16	5,61748695
17-02-2008	10:53:16	5,61290932
17-02-2008	11:08:16	5,60878944
17-02-2008	11:23:16	5,60320473
17-02-2008	11:38:16	5,59679604
17-02-2008	11:53:16	5,58031607

CÉLULA 2

Data	Hora	Altura (m)
17-02-2008	00:00:16	1,73916233
17-02-2008	00:08:14	1,74593735
17-02-2008	00:23:14	1,76470602
17-02-2008	00:38:14	1,78081954
17-02-2008	00:53:14	1,79281306
17-02-2008	01:08:14	1,81158173
17-02-2008	01:23:14	1,82586420
17-02-2008	01:38:14	1,84124517
17-02-2008	01:53:14	1,85506976
17-02-2008	02:08:15	1,97582996
17-02-2008	02:23:15	2,14154291
17-02-2008	02:38:15	2,30469227
17-02-2008	02:53:15	2,46445417
17-02-2008	03:08:15	2,62723732
17-02-2008	03:23:15	2,78434443
17-02-2008	03:38:15	2,94145131
17-02-2008	03:53:15	3,09819174
17-02-2008	04:08:15	3,25008059
17-02-2008	04:23:15	3,40462351
17-02-2008	04:38:15	3,55834317
17-02-2008	04:53:15	3,70574498
17-02-2008	05:08:15	3,85461211
17-02-2008	05:23:15	4,00494385
17-02-2008	05:38:15	4,15271282
17-02-2008	05:53:15	4,29819202
17-02-2008	06:08:15	4,44669294
17-02-2008	06:23:15	4,58960915
17-02-2008	06:38:15	4,73472214
17-02-2008	06:53:15	4,88661003
17-02-2008	07:08:16	5,04554796
17-02-2008	07:23:16	5,18992901
17-02-2008	07:38:16	5,34071922
17-02-2008	07:53:16	5,48619843
17-02-2008	08:08:16	5,63616371
17-02-2008	08:23:16	5,72954893
17-02-2008	08:38:16	5,71535873
17-02-2008	08:53:16	5,63241053
17-02-2008	09:08:16	5,55028629
17-02-2008	09:23:16	5,51586199
17-02-2008	09:38:16	5,51320696
17-02-2008	09:53:16	5,50798845
17-02-2008	10:08:16	5,50341082
17-02-2008	10:23:16	5,49709368
17-02-2008	10:38:16	5,49260712
17-02-2008	10:53:16	5,48848724
17-02-2008	11:08:16	5,48244476
17-02-2008	11:23:16	5,47795868
17-02-2008	11:38:16	5,46935225
17-02-2008	11:53:16	5,44985199

17-02-2008	12:08:16	5,53307390
17-02-2008	12:23:16	5,48354340
17-02-2008	12:38:16	5,43703413
17-02-2008	12:53:17	5,38979197
17-02-2008	13:08:17	5,33916235
17-02-2008	13:23:17	5,31746435
17-02-2008	13:38:17	5,31224585
17-02-2008	13:53:17	5,30171728
17-02-2008	14:08:17	5,29759693
17-02-2008	14:23:17	5,29082203
17-02-2008	14:38:17	5,26042604
17-02-2008	14:53:17	5,19707060
17-02-2008	15:08:17	5,11906624
17-02-2008	15:23:17	5,03996372
17-02-2008	15:38:17	4,95637465
17-02-2008	15:53:17	4,88056755
17-02-2008	16:08:17	4,80595160
17-02-2008	16:23:17	4,75797701
17-02-2008	16:38:17	4,71558714
17-02-2008	16:53:17	4,67246485
17-02-2008	17:08:17	4,62970972
17-02-2008	17:23:17	4,59299612
17-02-2008	17:38:17	4,55472660
17-02-2008	17:53:17	4,51682329
17-02-2008	18:08:17	4,47672224
17-02-2008	18:23:18	4,44110775
17-02-2008	18:38:18	4,40466976
17-02-2008	18:53:18	4,36649132
17-02-2008	19:08:18	4,36612511
17-02-2008	19:23:18	4,36612511
17-02-2008	19:38:18	4,37061119
17-02-2008	19:53:18	4,37061119
17-02-2008	20:08:18	4,37244272
17-02-2008	20:23:18	4,38068247
17-02-2008	20:38:18	4,38516808
17-02-2008	20:53:18	4,38782358
17-02-2008	21:08:18	4,39569759
17-02-2008	21:23:18	4,39981699
17-02-2008	21:38:18	4,40659189
17-02-2008	21:53:18	4,41556406
17-02-2008	22:08:18	4,40842295
17-02-2008	22:23:18	4,25992250
17-02-2008	22:38:18	4,11929512
17-02-2008	22:53:18	3,97720337
17-02-2008	23:08:18	3,83428741
17-02-2008	23:23:18	3,69219518
17-02-2008	23:38:18	3,55083585
17-02-2008	23:53:19	3,40910959
18-02-2008	00:00:04	3,34529662

17-02-2008	12:08:16	5,40105295
17-02-2008	12:23:16	5,35454321
17-02-2008	12:38:16	5,30766773
17-02-2008	12:53:17	5,25630569
17-02-2008	13:08:17	5,21245146
17-02-2008	13:23:17	5,18919659
17-02-2008	13:38:17	5,18324566
17-02-2008	13:53:17	5,17949200
17-02-2008	14:08:17	5,17344952
17-02-2008	14:23:17	5,16859722
17-02-2008	14:38:17	5,12959480
17-02-2008	14:53:17	5,06248617
17-02-2008	15:08:17	4,97734070
17-02-2008	15:23:17	4,89823818
17-02-2008	15:38:17	4,81345892
17-02-2008	15:53:17	4,73884201
17-02-2008	16:08:17	4,66385889
17-02-2008	16:23:17	4,61918068
17-02-2008	16:38:17	4,57605886
17-02-2008	16:53:17	4,53632450
17-02-2008	17:08:17	4,50217438
17-02-2008	17:23:17	4,45758772
17-02-2008	17:38:17	4,41593027
17-02-2008	17:53:17	4,37729454
17-02-2008	18:08:17	4,34131384
17-02-2008	18:23:18	4,30231237
17-02-2008	18:38:18	4,26450014
17-02-2008	18:53:18	4,23593521
17-02-2008	19:08:18	4,23968935
17-02-2008	19:23:18	4,23968935
17-02-2008	19:38:18	4,24344254
17-02-2008	19:53:18	4,24792910
17-02-2008	20:08:18	4,25021744
17-02-2008	20:23:18	4,25470400
17-02-2008	20:38:18	4,25845766
17-02-2008	20:53:18	4,26257753
17-02-2008	21:08:18	4,26486635
17-02-2008	21:23:18	4,27310610
17-02-2008	21:38:18	4,27978992
17-02-2008	21:53:18	4,28885365
17-02-2008	22:08:18	4,29443836
17-02-2008	22:23:18	4,16058636
17-02-2008	22:38:18	4,01995897
17-02-2008	22:53:18	3,87704301
17-02-2008	23:08:18	3,73311973
17-02-2008	23:23:18	3,59203482
17-02-2008	23:38:18	3,45067525
17-02-2008	23:53:19	3,30748487
18-02-2008	00:00:04	3,24824953

Reservatório Lagoa - Célula 1 (17-02-2008)
Nível (m)
7,0
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3,0
2,0
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03:38:15
04:53:15
06:08:15
07:23:16
08:38:16
09:53:16
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12:23:16
13:38:17
14:53:17
16:08:17
17:23:17
18:38:18
19:53:18
21:08:18
22:23:18
23:38:18
Horas

Reservatório Lagoa - Célula 2 (17-02-2008)
Nível (m)
7,0
6,0
5,0
4,0
3,0
2,0
1,0
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00:00:16
01:08:14
02:23:15
03:38:15
04:53:15
06:08:15
07:23:16
08:38:16
09:53:16
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13:38:17
14:53:17
16:08:17
17:23:17
18:38:18
19:53:18
21:08:18
22:23:18
23:38:18
Horas

RESERVATÓRIO DE SEIXO ALVO

CÉLULA 1

Data	Hora	Altura (m)
02-09-2008	00:00:01	4,68287039
02-09-2008	00:02:55	4,71122694
02-09-2008	00:17:55	4,86921263
02-09-2008	00:32:55	4,82060194
02-09-2008	00:47:55	4,71122694
02-09-2008	01:02:55	4,49045134
02-09-2008	01:17:55	4,05295134
02-09-2008	01:32:55	3,83217573
02-09-2008	01:47:55	3,75723362
02-09-2008	02:02:55	3,36024308
02-09-2008	02:17:55	2,93489575
02-09-2008	02:32:55	3,02806711
02-09-2008	02:47:55	3,33391190
02-09-2008	03:02:55	3,63570595
02-09-2008	03:17:55	3,97395825
02-09-2008	03:32:55	4,44994211
02-09-2008	03:47:55	4,71932840
02-09-2008	04:02:55	4,74160862
02-09-2008	04:17:55	4,77199078
02-09-2008	04:32:55	5,05758095
02-09-2008	04:47:55	5,36140013
02-09-2008	05:02:56	5,66927052
02-09-2008	05:17:56	5,83333302
02-09-2008	05:32:56	5,83333302
02-09-2008	05:47:56	5,83738422
02-09-2008	06:02:56	5,85358763
02-09-2008	06:17:56	5,85561323
02-09-2008	06:32:56	5,69560194
02-09-2008	06:47:56	5,75231457
02-09-2008	07:02:56	5,89207172
02-09-2008	07:17:56	6,30121517
02-09-2008	07:32:56	6,38830996
02-09-2008	07:47:56	6,17158556
02-09-2008	08:02:56	5,95486116
02-09-2008	08:17:56	5,79484940
02-09-2008	08:32:56	5,87789345
02-09-2008	08:47:56	6,03993034
02-09-2008	09:02:56	6,09056711
02-09-2008	09:17:57	6,49565935
02-09-2008	09:32:57	6,27285862
02-09-2008	09:47:57	5,83333302
02-09-2008	10:02:57	5,38773155
02-09-2008	10:17:57	5,04137707
02-09-2008	10:32:57	5,10821772
02-09-2008	10:47:57	5,22569418
02-09-2008	11:02:57	5,11631918
02-09-2008	11:17:57	4,93200207
02-09-2008	11:32:57	5,12847233
02-09-2008	11:47:57	5,09606457

CÉLULA 2

Data	Hora	Altura (m)
02-09-2008	00:00:01	4,72743034
02-09-2008	00:02:55	4,74971056
02-09-2008	00:17:55	4,90567112
02-09-2008	00:32:55	4,84895802
02-09-2008	00:47:55	4,73148155
02-09-2008	01:02:55	4,48032379
02-09-2008	01:17:55	4,04079866
02-09-2008	01:32:55	3,87065959
02-09-2008	01:47:55	3,77546287
02-09-2008	02:02:55	3,36429381
02-09-2008	02:17:55	2,94704866
02-09-2008	02:32:55	3,11718750
02-09-2008	02:47:55	3,39062500
02-09-2008	03:02:55	3,68836808
02-09-2008	03:17:55	4,02256918
02-09-2008	03:32:55	4,49855328
02-09-2008	03:47:55	4,77199078
02-09-2008	04:02:55	4,77199078
02-09-2008	04:17:55	4,82060194
02-09-2008	04:32:55	5,11226845
02-09-2008	04:47:55	5,41001129
02-09-2008	05:02:56	5,72193289
02-09-2008	05:17:56	5,87384224
02-09-2008	05:32:56	5,87789345
02-09-2008	05:47:56	5,88599539
02-09-2008	06:02:56	5,89207172
02-09-2008	06:17:56	5,89612246
02-09-2008	06:32:56	5,76649284
02-09-2008	06:47:56	5,81510401
02-09-2008	07:02:56	5,96498823
02-09-2008	07:17:56	6,37008095
02-09-2008	07:32:56	6,44502306
02-09-2008	07:47:56	6,23032379
02-09-2008	08:02:56	6,01765013
02-09-2008	08:17:56	5,87181711
02-09-2008	08:32:56	5,94473362
02-09-2008	08:47:56	6,05410862
02-09-2008	09:02:56	6,14120340
02-09-2008	09:17:57	6,56250000
02-09-2008	09:32:57	6,33969879
02-09-2008	09:47:57	5,90827513
02-09-2008	10:02:57	5,46267366
02-09-2008	10:17:57	5,10619211
02-09-2008	10:32:57	5,17708302
02-09-2008	10:47:57	5,29455996
02-09-2008	11:02:57	5,18518496
02-09-2008	11:17:57	4,99276590
02-09-2008	11:32:57	5,18923616
02-09-2008	11:47:57	5,11226845

02-09-2008	12:02:57	4,95023155
02-09-2008	12:17:57	4,88541651
02-09-2008	12:32:57	4,71325207
02-09-2008	12:47:57	4,68287039
02-09-2008	13:02:57	4,74160862
02-09-2008	13:17:57	4,82262707
02-09-2008	13:32:57	4,81452513
02-09-2008	13:47:57	4,57754612
02-09-2008	14:02:57	4,30410862
02-09-2008	14:17:57	4,05295134
02-09-2008	14:32:57	3,83015037
02-09-2008	14:47:57	3,85040498
02-09-2008	15:02:57	3,95977998
02-09-2008	15:17:58	3,84635401
02-09-2008	15:32:58	3,72887731
02-09-2008	15:47:58	3,78559017
02-09-2008	16:02:58	3,81192112
02-09-2008	16:17:58	3,63570595
02-09-2008	16:32:58	3,46759248
02-09-2008	16:47:58	3,37644672
02-09-2008	17:02:58	3,25086808
02-09-2008	17:17:58	3,11921287
02-09-2008	17:32:58	3,00173616
02-09-2008	17:47:58	3,15364575
02-09-2008	18:02:58	3,33593750
02-09-2008	18:17:58	3,54253459
02-09-2008	18:32:58	3,69039345
02-09-2008	18:47:58	3,61342573
02-09-2008	19:02:58	3,70659709
02-09-2008	19:17:58	3,87673593
02-09-2008	19:32:58	4,15422440
02-09-2008	19:47:58	4,35271978
02-09-2008	20:02:58	4,31221056
02-09-2008	20:17:58	4,52488422
02-09-2008	20:32:58	4,79224539
02-09-2008	20:47:58	4,80237246
02-09-2008	21:02:58	4,81250000
02-09-2008	21:17:58	4,82060194
02-09-2008	21:32:59	4,82262707
02-09-2008	21:47:59	4,86111116
02-09-2008	22:02:59	5,06163168
02-09-2008	22:17:59	4,93605328
02-09-2008	22:32:59	4,62008095
02-09-2008	22:47:59	4,39322901
02-09-2008	23:02:59	4,17650461
02-09-2008	23:17:59	4,03067112
02-09-2008	23:32:59	4,17447901
02-09-2008	23:47:59	4,34866905
02-10-2008	00:00:26	4,43778944

02-09-2008	12:02:57	4,94415522
02-09-2008	12:17:57	4,87528944
02-09-2008	12:32:57	4,70920134
02-09-2008	12:47:57	4,67679405
02-09-2008	13:02:57	4,74363422
02-09-2008	13:17:57	4,80237246
02-09-2008	13:32:57	4,77806711
02-09-2008	13:47:57	4,48640060
02-09-2008	14:02:57	4,21701384
02-09-2008	14:17:57	3,97193289
02-09-2008	14:32:57	3,75520825
02-09-2008	14:47:57	3,81799769
02-09-2008	15:02:57	3,93750000
02-09-2008	15:17:58	3,78761578
02-09-2008	15:32:58	3,66811323
02-09-2008	15:47:58	3,76128459
02-09-2008	16:02:58	3,75723362
02-09-2008	16:17:58	3,57899308
02-09-2008	16:32:58	3,42303228
02-09-2008	16:47:58	3,31568289
02-09-2008	17:02:58	3,19212961
02-09-2008	17:17:58	3,07667828
02-09-2008	17:32:58	2,97743058
02-09-2008	17:47:58	3,14756942
02-09-2008	18:02:58	3,33188653
02-09-2008	18:17:58	3,53645825
02-09-2008	18:32:58	3,64988422
02-09-2008	18:47:58	3,55266190
02-09-2008	19:02:58	3,77141190
02-09-2008	19:17:58	3,93750000
02-09-2008	19:32:58	4,21701384
02-09-2008	19:47:58	4,41348362
02-09-2008	20:02:58	4,38310194
02-09-2008	20:17:58	4,59780073
02-09-2008	20:32:58	4,85908556
02-09-2008	20:47:58	4,86516190
02-09-2008	21:02:58	4,86921263
02-09-2008	21:17:58	4,88136578
02-09-2008	21:32:59	4,88136578
02-09-2008	21:47:59	4,92390013
02-09-2008	22:02:59	5,10619211
02-09-2008	22:17:59	4,94618034
02-09-2008	22:32:59	4,63223362
02-09-2008	22:47:59	4,40740728
02-09-2008	23:02:59	4,20080996
02-09-2008	23:17:59	4,06510401
02-09-2008	23:32:59	4,21296310
02-09-2008	23:47:59	4,39322901
02-10-2008	00:00:26	4,46412039

Reservatório Seixo Alvo - Célula 1 (09-02-2008)
Nível (m)
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12:17:57
13:32:57
14:47:57
16:02:58
17:17:58
18:32:58
19:47:58
21:02:58
22:17:59
23:32:59
Horas

Resrvatório Seixo Alvo - Célula 2 (09-02-2008)
Nível (m)
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13:32:57
14:47:57
16:02:58
17:17:58
18:32:58
19:47:58
21:02:58
22:17:59
23:32:59
Horas

RESERVATÓRIO DE SEIXO ALVO

CÉLULA 1

Data	Hora	Altura (m)
02-10-2008	00:00:26	4,43778944
02-10-2008	00:02:59	4,40943289
02-10-2008	00:17:59	4,21701384
02-10-2008	00:32:59	4,37905073
02-10-2008	00:47:59	4,55526590
02-10-2008	01:02:59	4,73755789
02-10-2008	01:17:59	4,92390013
02-10-2008	01:32:59	5,08593750
02-10-2008	01:47:59	4,90162039
02-10-2008	02:02:59	4,57957172
02-10-2008	02:17:59	4,38715267
02-10-2008	02:32:59	4,32233810
02-10-2008	02:47:59	3,93952537
02-10-2008	03:03:00	3,52227998
02-10-2008	03:18:00	3,10908556
02-10-2008	03:33:00	3,08072901
02-10-2008	03:48:00	3,07262731
02-10-2008	04:03:00	3,06250000
02-10-2008	04:18:00	3,32581019
02-10-2008	04:33:00	3,60329843
02-10-2008	04:48:00	3,87268519
02-10-2008	05:03:00	3,93952537
02-10-2008	05:18:00	3,91724539
02-10-2008	05:33:01	4,20080996
02-10-2008	05:48:01	4,48032379
02-10-2008	06:03:01	4,76186323
02-10-2008	06:18:01	5,05353022
02-10-2008	06:33:01	5,35532379
02-10-2008	06:48:01	5,62268496
02-10-2008	07:03:01	5,63888884
02-10-2008	07:18:01	5,66927052
02-10-2008	07:33:01	5,54166651
02-10-2008	07:48:01	5,71990728
02-10-2008	08:03:01	6,34780073
02-10-2008	08:18:01	6,42071724
02-10-2008	08:33:01	6,48350668
02-10-2008	08:48:01	6,30931711
02-10-2008	09:03:01	6,20804405
02-10-2008	09:18:01	5,92447901
02-10-2008	09:33:01	5,83333302
02-10-2008	09:48:01	5,72193289
02-10-2008	10:03:01	5,82320595
02-10-2008	10:18:01	5,66116905
02-10-2008	10:33:02	5,35127306
02-10-2008	10:48:02	5,06770802
02-10-2008	11:03:02	4,81250000
02-10-2008	11:18:02	4,70109940
02-10-2008	11:33:02	4,74160862

CÉLULA 2

Data	Hora	Altura (m)
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02-10-2008	00:17:59	4,23524284
02-10-2008	00:32:59	4,42361116
02-10-2008	00:47:59	4,59982634
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02-10-2008	01:17:59	4,96238422
02-10-2008	01:32:59	5,12442112
02-10-2008	01:47:59	4,90972233
02-10-2008	02:02:59	4,58159733
02-10-2008	02:17:59	4,41348362
02-10-2008	02:32:59	4,35879612
02-10-2008	02:47:59	3,92332172
02-10-2008	03:03:00	3,51417828
02-10-2008	03:18:00	3,13339114
02-10-2008	03:33:00	3,13136578
02-10-2008	03:48:00	3,11718750
02-10-2008	04:03:00	3,11718750
02-10-2008	04:18:00	3,39062500
02-10-2008	04:33:00	3,65798593
02-10-2008	04:48:00	3,93344903
02-10-2008	05:03:00	3,96990728
02-10-2008	05:18:00	3,97800922
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02-10-2008	05:48:01	4,53906250
02-10-2008	06:03:01	4,81857634
02-10-2008	06:18:01	5,10416651
02-10-2008	06:33:01	5,40596056
02-10-2008	06:48:01	5,67332172
02-10-2008	07:03:01	5,69155073
02-10-2008	07:18:01	5,72598362
02-10-2008	07:33:01	5,57812500
02-10-2008	07:48:01	5,78067112
02-10-2008	08:03:01	6,40046263
02-10-2008	08:18:01	6,47337961
02-10-2008	08:33:01	6,54021978
02-10-2008	08:48:01	6,36400461
02-10-2008	09:03:01	6,26678228
02-10-2008	09:18:01	5,98929405
02-10-2008	09:33:01	5,90219879
02-10-2008	09:48:01	5,78674746
02-10-2008	10:03:01	5,89207172
02-10-2008	10:18:01	5,73003483
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02-10-2008	10:48:02	5,13252306
02-10-2008	11:03:02	4,87326384
02-10-2008	11:18:02	4,77199078
02-10-2008	11:33:02	4,80844879

02-10-2008	11:48:02	4,67274284
02-10-2008	12:03:02	4,67679405
02-10-2008	12:18:02	4,92390013
02-10-2008	12:33:02	5,12847233
02-10-2008	12:48:02	5,00491905
02-10-2008	13:03:02	4,87934017
02-10-2008	13:18:02	4,78819418
02-10-2008	13:33:02	4,78819418
02-10-2008	13:48:02	4,74363422
02-10-2008	14:03:02	4,69704866
02-10-2008	14:18:02	4,73755789
02-10-2008	14:33:02	4,82060194
02-10-2008	14:48:02	4,89149284
02-10-2008	15:03:02	4,98061323
02-10-2008	15:18:03	5,20949078
02-10-2008	15:33:03	5,36747694
02-10-2008	15:48:03	5,46672440
02-10-2008	16:03:03	5,35532379
02-10-2008	16:18:03	5,39583302
02-10-2008	16:33:03	5,47685194
02-10-2008	16:48:03	5,45862246
02-10-2008	17:03:03	5,16898155
02-10-2008	17:18:03	4,88541651
02-10-2008	17:33:03	4,69299746
02-10-2008	17:48:03	4,77401590
02-10-2008	18:03:03	4,81452513
02-10-2008	18:18:03	4,64236116
02-10-2008	18:33:03	4,38310194
02-10-2008	18:48:03	4,10156250
02-10-2008	19:03:03	3,98813653
02-10-2008	19:18:03	4,33854151
02-10-2008	19:33:03	4,77806711
02-10-2008	19:48:03	5,17505789
02-10-2008	20:03:03	5,25607634
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02-10-2008	20:33:03	5,67332172
02-10-2008	20:48:03	5,53964090
02-10-2008	21:03:03	5,32696772
02-10-2008	21:18:03	5,10416651
02-10-2008	21:33:04	4,88136578
02-10-2008	21:48:04	4,82262707
02-10-2008	22:03:04	4,86921263
02-10-2008	22:18:04	4,70109940
02-10-2008	22:33:04	4,53703690
02-10-2008	22:48:04	4,36487246
02-10-2008	23:03:04	4,20688629
02-10-2008	23:18:04	4,23119211
02-10-2008	23:33:04	4,31423616
02-10-2008	23:48:04	4,05902767
02-11-2008	00:00:13	3,73697901

02-10-2008	11:48:02	4,68084478
02-10-2008	12:03:02	4,67679405
02-10-2008	12:18:02	4,94618034
02-10-2008	12:33:02	5,11834478
02-10-2008	12:48:02	4,97048616
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02-10-2008	13:18:02	4,74768496
02-10-2008	13:33:02	4,76388884
02-10-2008	13:48:02	4,71932840
02-10-2008	14:03:02	4,67881918
02-10-2008	14:18:02	4,71932840
02-10-2008	14:33:02	4,80237246
02-10-2008	14:48:02	4,87528944
02-10-2008	15:03:02	4,97048616
02-10-2008	15:18:03	5,21961784
02-10-2008	15:33:03	5,34114552
02-10-2008	15:48:03	5,41608763
02-10-2008	16:03:03	5,29658556
02-10-2008	16:18:03	5,39583302
02-10-2008	16:33:03	5,49102974
02-10-2008	16:48:03	5,42013884
02-10-2008	17:03:03	5,12442112
02-10-2008	17:18:03	4,83478022
02-10-2008	17:33:03	4,69299746
02-10-2008	17:48:03	4,81857634
02-10-2008	18:03:03	4,84490728
02-10-2008	18:18:03	4,67071772
02-10-2008	18:33:03	4,41348362
02-10-2008	18:48:03	4,12586784
02-10-2008	19:03:03	4,05902767
02-10-2008	19:18:03	4,40943289
02-10-2008	19:33:03	4,84490728
02-10-2008	19:48:03	5,24392366
02-10-2008	20:03:03	5,32696772
02-10-2008	20:18:03	5,57204866
02-10-2008	20:33:03	5,73611116
02-10-2008	20:48:03	5,60850668
02-10-2008	21:03:03	5,39583302
02-10-2008	21:18:03	5,17303228
02-10-2008	21:33:04	4,95225668
02-10-2008	21:48:04	4,89149284
02-10-2008	22:03:04	4,94415522
02-10-2008	22:18:04	4,78211784
02-10-2008	22:33:04	4,60995340
02-10-2008	22:48:04	4,44589090
02-10-2008	23:03:04	4,28385401
02-10-2008	23:18:04	4,30410862
02-10-2008	23:33:04	4,37297440
02-10-2008	23:48:04	4,10966444
02-11-2008	00:00:13	3,78153920

Reservatório Seixo Alvo - Célula 1 (10-02-2008)
Nível (m)
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07:18:01
08:33:01
09:48:01
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12:18:02
13:33:02
14:48:02
16:03:03
17:18:03
18:33:03
19:48:03
21:03:03
22:18:04
23:33:04
Horas

Reservatório Seixo Alvo - Célula 2 (10-02-2008)
Nível (m)
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3,0
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06:03:01
07:18:01
08:33:01
09:48:01
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12:18:02
13:33:02
14:48:02
16:03:03
17:18:03
18:33:03
19:48:03
21:03:03
22:18:04
23:33:04
Horas

RESERVATÓRIO DE SEIXO ALVO

CÉLULA 1

Data	Hora	Altura (m)
02-11-2008	00:00:13	3,73697901
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02-11-2008	00:18:04	3,31365728
02-11-2008	00:33:04	3,51417828
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02-11-2008	01:33:04	3,73697901
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02-11-2008	02:03:05	3,02604151
02-11-2008	02:18:05	3,06857634
02-11-2008	02:33:05	3,11313653
02-11-2008	02:48:05	3,16174769
02-11-2008	03:03:05	3,20833325
02-11-2008	03:18:05	3,26099539
02-11-2008	03:33:05	3,30960631
02-11-2008	03:48:05	3,50607634
02-11-2008	04:03:05	3,43315959
02-11-2008	04:18:05	3,36226845
02-11-2008	04:33:05	3,40277767
02-11-2008	04:48:05	3,72887731
02-11-2008	05:03:05	4,07118034
02-11-2008	05:18:05	4,04484940
02-11-2008	05:33:05	4,26562500
02-11-2008	05:48:05	4,62008095
02-11-2008	06:03:05	4,98061323
02-11-2008	06:18:05	5,32696772
02-11-2008	06:33:05	5,67939806
02-11-2008	06:48:05	6,02980328
02-11-2008	07:03:05	6,26678228
02-11-2008	07:18:06	6,25665474
02-11-2008	07:33:06	5,96701384
02-11-2008	07:48:06	6,06828690
02-11-2008	08:03:06	5,97714090
02-11-2008	08:18:06	6,13715267
02-11-2008	08:33:06	5,87789345
02-11-2008	08:48:06	5,79484940
02-11-2008	09:03:06	6,06626129
02-11-2008	09:18:06	6,52199078
02-11-2008	09:33:06	6,35185194
02-11-2008	09:48:06	6,03993034
02-11-2008	10:03:06	5,80295134
02-11-2008	10:18:06	5,55787039
02-11-2008	10:33:06	5,46267366
02-11-2008	10:48:06	5,53964090
02-11-2008	11:03:06	5,56799746
02-11-2008	11:18:06	5,25000000
02-11-2008	11:33:06	5,15277767

CÉLULA 2

Data	Hora	Altura (m)
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02-11-2008	00:18:04	3,37239575
02-11-2008	00:33:04	3,57291651
02-11-2008	00:48:04	3,79976845
02-11-2008	01:03:04	4,04890060
02-11-2008	01:18:04	4,05902767
02-11-2008	01:33:04	3,78559017
02-11-2008	01:48:05	3,30150461
02-11-2008	02:03:05	3,10098362
02-11-2008	02:18:05	3,14149308
02-11-2008	02:33:05	3,18200231
02-11-2008	02:48:05	3,23871517
02-11-2008	03:03:05	3,28125000
02-11-2008	03:18:05	3,33391190
02-11-2008	03:33:05	3,37239575
02-11-2008	03:48:05	3,55266190
02-11-2008	04:03:05	3,47366881
02-11-2008	04:18:05	3,40480328
02-11-2008	04:33:05	3,46759248
02-11-2008	04:48:05	3,78964114
02-11-2008	05:03:05	4,13194418
02-11-2008	05:18:05	4,08333302
02-11-2008	05:33:05	4,32841444
02-11-2008	05:48:05	4,68287039
02-11-2008	06:03:05	5,03327513
02-11-2008	06:18:05	5,38165522
02-11-2008	06:33:05	5,73408556
02-11-2008	06:48:05	6,07841444
02-11-2008	07:03:05	6,30121517
02-11-2008	07:18:06	6,28298616
02-11-2008	07:33:06	5,96903944
02-11-2008	07:48:06	6,12702513
02-11-2008	08:03:06	6,01765013
02-11-2008	08:18:06	6,17766190
02-11-2008	08:33:06	5,89612246
02-11-2008	08:48:06	5,79687500
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02-11-2008	09:18:06	6,57060194
02-11-2008	09:33:06	6,41464090
02-11-2008	09:48:06	6,10474539
02-11-2008	10:03:06	5,87181711
02-11-2008	10:18:06	5,62065983
02-11-2008	10:33:06	5,52343750
02-11-2008	10:48:06	5,60243034
02-11-2008	11:03:06	5,62876129
02-11-2008	11:18:06	5,31481457
02-11-2008	11:33:06	5,21354151

02-11-2008	11:48:06	5,16290522
02-11-2008	12:03:06	4,77806711
02-11-2008	12:18:06	4,59172440
02-11-2008	12:33:06	4,79832172
02-11-2008	12:48:06	4,97048616
02-11-2008	13:03:06	5,07378483
02-11-2008	13:18:07	5,12644672
02-11-2008	13:33:07	5,16290522
02-11-2008	13:48:07	5,04137707
02-11-2008	14:03:07	5,09809017
02-11-2008	14:18:07	5,07580996
02-11-2008	14:33:07	4,88541651
02-11-2008	14:48:07	4,93200207
02-11-2008	15:03:07	5,11631918
02-11-2008	15:18:07	5,21556711
02-11-2008	15:33:07	5,09809017
02-11-2008	15:48:07	4,99479151
02-11-2008	16:03:07	4,90567112
02-11-2008	16:18:07	5,11429405
02-11-2008	16:33:07	5,38975668
02-11-2008	16:48:07	5,39583302
02-11-2008	17:03:07	5,39583302
02-11-2008	17:18:07	5,41001129
02-11-2008	17:33:07	5,41811323
02-11-2008	17:48:07	5,66521978
02-11-2008	18:03:07	5,63281250
02-11-2008	18:18:07	5,18721056
02-11-2008	18:33:07	4,86111116
02-11-2008	18:50:18	4,82060194
02-11-2008	19:05:18	4,93200207
02-11-2008	19:20:18	4,93200207
02-11-2008	19:35:45	4,64236116
02-11-2008	19:51:47	4,32436323
02-11-2008	20:06:47	4,01851845
02-11-2008	20:21:47	3,71672440
02-11-2008	20:36:47	3,69646978
02-11-2008	20:51:47	3,46354151
02-11-2008	21:06:47	3,17187500
02-11-2008	21:21:47	2,97945595
02-11-2008	21:36:47	3,31365728
02-11-2008	21:51:47	3,79166651
02-11-2008	22:06:47	4,26359940
02-11-2008	22:21:47	4,52488422
02-11-2008	22:36:47	4,37905073
02-11-2008	22:51:47	4,30410862
02-11-2008	23:06:47	4,50462961
02-11-2008	23:21:47	4,50057840
02-11-2008	23:36:47	4,51475668
02-11-2008	23:51:47	4,24739552
02-12-2008	00:00:03	4,21296310

02-11-2008	11:48:06	5,20543957
02-11-2008	12:03:06	4,79224539
02-11-2008	12:18:06	4,59577513
02-11-2008	12:33:06	4,78211784
02-11-2008	12:48:06	4,94618034
02-11-2008	13:03:06	5,04745340
02-11-2008	13:18:07	5,09606457
02-11-2008	13:33:07	5,14872694
02-11-2008	13:48:07	4,98668957
02-11-2008	14:03:07	5,05555534
02-11-2008	14:18:07	4,99681711
02-11-2008	14:33:07	4,79427052
02-11-2008	14:48:07	4,90364552
02-11-2008	15:03:07	5,09403944
02-11-2008	15:18:07	5,14872694
02-11-2008	15:33:07	5,03125000
02-11-2008	15:48:07	4,92592573
02-11-2008	16:03:07	4,84490728
02-11-2008	16:18:07	5,13252306
02-11-2008	16:33:07	5,39785862
02-11-2008	16:48:07	5,39583302
02-11-2008	17:03:07	5,40596056
02-11-2008	17:18:07	5,40596056
02-11-2008	17:33:07	5,41608763
02-11-2008	17:48:07	5,69155073
02-11-2008	18:03:07	5,64293957
02-11-2008	18:18:07	5,19733763
02-11-2008	18:33:07	4,89959478
02-11-2008	18:50:18	4,88541651
02-11-2008	19:05:18	4,99479151
02-11-2008	19:20:18	4,99479151
02-11-2008	19:35:45	4,70717573
02-11-2008	19:51:47	4,38715267
02-11-2008	20:06:47	4,08130789
02-11-2008	20:21:47	3,78559017
02-11-2008	20:36:47	3,76128459
02-11-2008	20:51:47	3,53240728
02-11-2008	21:06:47	3,24074078
02-11-2008	21:21:47	3,05237269
02-11-2008	21:36:47	3,37239575
02-11-2008	21:51:47	3,85040498
02-11-2008	22:06:47	4,32233810
02-11-2008	22:21:47	4,53906250
02-11-2008	22:36:47	4,38310194
02-11-2008	22:51:47	4,31626129
02-11-2008	23:06:47	4,52893496
02-11-2008	23:21:47	4,52893496
02-11-2008	23:36:47	4,53501129
02-11-2008	23:51:47	4,25752306
02-12-2008	00:00:03	4,24739552

Reservatório Seixo Alvo - Célula 1 (11-02-2008)
Nível (m)
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09:48:06
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12:18:06
13:33:07
14:48:07
16:03:07
17:18:07
18:33:07
19:51:47
21:06:47
22:21:47
23:36:47
Horas

Reservatório Seixo Alvo - Célula 2 (11-02-2008)
Nível (m)
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12:18:06
13:33:07
14:48:07
16:03:07
17:18:07
18:33:07
19:51:47
21:06:47
22:21:47
23:36:47
Horas

RESERVATÓRIO DE SEIXO ALVO

CÉLULA 1

Data	Hora	Altura (m)
02-12-2008	00:00:03	4,21296310
02-12-2008	00:06:48	4,27170134
02-12-2008	00:21:48	4,41955996
02-12-2008	00:36:48	4,60995340
02-12-2008	00:51:48	4,83072901
02-12-2008	01:06:48	5,05150461
02-12-2008	01:21:48	5,15277767
02-12-2008	01:36:48	5,02314806
02-12-2008	01:51:48	5,27025461
02-12-2008	02:06:48	5,52951384
02-12-2008	02:21:48	5,54976845
02-12-2008	02:36:48	5,45659733
02-12-2008	02:51:48	5,49913168
02-12-2008	03:06:48	5,90422440
02-12-2008	03:21:48	5,98524284
02-12-2008	03:36:48	5,95486116
02-12-2008	03:51:48	5,68547440
02-12-2008	04:06:48	5,40596056
02-12-2008	04:21:48	5,35734940
02-12-2008	04:36:48	5,00694418
02-12-2008	04:51:49	4,97453690
02-12-2008	05:06:49	5,03530073
02-12-2008	05:21:49	5,09403944
02-12-2008	05:36:49	5,15277767
02-12-2008	05:51:49	5,22771978
02-12-2008	06:06:49	5,30873823
02-12-2008	06:21:49	5,37962961
02-12-2008	06:36:49	5,44039345
02-12-2008	06:51:49	5,47077513
02-12-2008	07:06:49	5,10821772
02-12-2008	07:21:49	5,03732634
02-12-2008	07:36:49	5,04340267
02-12-2008	07:51:49	4,86921263
02-12-2008	08:06:49	4,37905073
02-12-2008	08:21:49	4,39728022
02-12-2008	08:36:49	4,51678228
02-12-2008	08:51:49	4,57957172
02-12-2008	09:06:49	4,79832172
02-12-2008	09:21:49	4,98466444
02-12-2008	09:36:49	4,98061323
02-12-2008	09:51:50	4,88541651
02-12-2008	10:06:50	5,05150461
02-12-2008	10:21:50	5,37152767
02-12-2008	10:36:50	5,54976845
02-12-2008	10:51:50	5,61053228
02-12-2008	11:06:50	5,37760401
02-12-2008	11:21:50	5,44646978
02-12-2008	11:36:50	5,54976845

CÉLULA 2

Data	Hora	Altura (m)
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02-12-2008	00:21:48	4,46817112
02-12-2008	00:36:48	4,66059017
02-12-2008	00:51:48	4,87528944
02-12-2008	01:06:48	5,10214090
02-12-2008	01:21:48	5,17303228
02-12-2008	01:36:48	5,05555534
02-12-2008	01:51:48	5,32696772
02-12-2008	02:06:48	5,58015013
02-12-2008	02:21:48	5,56192112
02-12-2008	02:36:48	5,47077513
02-12-2008	02:51:48	5,51736116
02-12-2008	03:06:48	5,95283556
02-12-2008	03:21:48	6,01562500
02-12-2008	03:36:48	5,98524284
02-12-2008	03:51:48	5,73205996
02-12-2008	04:06:48	5,45052052
02-12-2008	04:21:48	5,40798616
02-12-2008	04:36:48	5,03732634
02-12-2008	04:51:49	5,03327513
02-12-2008	05:06:49	5,09403944
02-12-2008	05:21:49	5,15277767
02-12-2008	05:36:49	5,21759272
02-12-2008	05:51:49	5,29050922
02-12-2008	06:06:49	5,36545134
02-12-2008	06:21:49	5,44241905
02-12-2008	06:36:49	5,49913168
02-12-2008	06:51:49	5,52748823
02-12-2008	07:06:49	5,14872694
02-12-2008	07:21:49	5,09606457
02-12-2008	07:36:49	5,09403944
02-12-2008	07:51:49	4,90972233
02-12-2008	08:06:49	4,39728022
02-12-2008	08:21:49	4,46412039
02-12-2008	08:36:49	4,57957172
02-12-2008	08:51:49	4,58767366
02-12-2008	09:06:49	4,83072901
02-12-2008	09:21:49	4,99479151
02-12-2008	09:36:49	4,98263884
02-12-2008	09:51:50	4,93402767
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02-12-2008	10:21:50	5,43229151
02-12-2008	10:36:50	5,61255789
02-12-2008	10:51:50	5,66927052
02-12-2008	11:06:50	5,44646978
02-12-2008	11:21:50	5,51128483
02-12-2008	11:36:50	5,61458302

02-12-2008	11:51:50	5,28038168
02-12-2008	12:06:50	4,96643496
02-12-2008	12:21:50	4,55526590
02-12-2008	12:36:50	4,53703690
02-12-2008	12:51:50	4,57754612
02-12-2008	13:06:50	4,71932840
02-12-2008	13:21:50	4,85098362
02-12-2008	13:36:50	5,08593750
02-12-2008	13:51:50	5,35532379
02-12-2008	14:06:50	5,64293957
02-12-2008	14:21:50	5,66116905
02-12-2008	14:36:50	5,87181711
02-12-2008	14:51:50	6,11892366
02-12-2008	15:06:50	5,95891190
02-12-2008	15:21:50	5,64293957
02-12-2008	15:36:50	5,32696772
02-12-2008	15:51:50	5,01302052
02-12-2008	16:06:50	4,93200207
02-12-2008	16:21:50	4,81452513
02-12-2008	16:36:51	4,53096056
02-12-2008	16:51:51	4,24131918
02-12-2008	17:06:51	3,95977998
02-12-2008	17:21:51	4,23524284
02-12-2008	17:36:51	4,75781250
02-12-2008	17:51:51	5,02112246
02-12-2008	18:06:51	5,00694418
02-12-2008	18:21:51	4,98061323
02-12-2008	18:36:51	4,68287039
02-12-2008	18:51:51	4,54716444
02-12-2008	19:06:51	4,45601845
02-12-2008	19:21:51	4,06915522
02-12-2008	19:36:51	3,61545134
02-12-2008	19:51:51	3,15364575
02-12-2008	20:06:51	2,66550922
02-12-2008	20:21:51	2,41435170
02-12-2008	20:36:51	2,62702537
02-12-2008	20:51:51	2,68171287
02-12-2008	21:06:51	2,85792828
02-12-2008	21:21:51	3,29542828
02-12-2008	21:36:52	3,76938653
02-12-2008	21:51:52	4,24131918
02-12-2008	22:06:52	4,71122694
02-12-2008	22:21:52	4,82870340
02-12-2008	22:36:52	4,86111116
02-12-2008	22:51:52	4,90567112
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02-12-2008	23:21:52	5,36950207
02-12-2008	23:36:52	5,63483763
02-12-2008	23:51:52	5,41811323
02-13-2008	00:00:23	5,32494211

02-12-2008	11:51:50	5,34114552
02-12-2008	12:06:50	5,02517366
02-12-2008	12:21:50	4,57552052
02-12-2008	12:36:50	4,51678228
02-12-2008	12:51:50	4,56741905
02-12-2008	13:06:50	4,70920134
02-12-2008	13:21:50	4,82060194
02-12-2008	13:36:50	5,07175922
02-12-2008	13:51:50	5,34722233
02-12-2008	14:06:50	5,64091444
02-12-2008	14:21:50	5,63078690
02-12-2008	14:36:50	5,86168957
02-12-2008	14:51:50	6,11689806
02-12-2008	15:06:50	5,90827513
02-12-2008	15:21:50	5,59837961
02-12-2008	15:36:50	5,27835655
02-12-2008	15:51:50	4,97048616
02-12-2008	16:06:50	4,92187500
02-12-2008	16:21:50	4,78211784
02-12-2008	16:36:51	4,48437500
02-12-2008	16:51:51	4,20688629
02-12-2008	17:06:51	3,92332172
02-12-2008	17:21:51	4,30410862
02-12-2008	17:36:51	4,80237246
02-12-2008	17:51:51	5,02719879
02-12-2008	18:06:51	5,01504612
02-12-2008	18:21:51	5,00491905
02-12-2008	18:36:51	4,75983763
02-12-2008	18:51:51	4,62210655
02-12-2008	19:06:51	4,52893496
02-12-2008	19:21:51	4,14612246
02-12-2008	19:36:51	3,69849539
02-12-2008	19:51:51	3,23466420
02-12-2008	20:06:51	2,75260401
02-12-2008	20:21:51	2,49334478
02-12-2008	20:36:51	2,70601845
02-12-2008	20:51:51	2,75260401
02-12-2008	21:06:51	2,91869211
02-12-2008	21:21:51	3,35416651
02-12-2008	21:36:52	3,82812500
02-12-2008	21:51:52	4,29600668
02-12-2008	22:06:52	4,75376129
02-12-2008	22:21:52	4,81857634
02-12-2008	22:36:52	4,85098362
02-12-2008	22:51:52	4,90567112
02-12-2008	23:06:52	5,11631918
02-12-2008	23:21:52	5,37152767
02-12-2008	23:36:52	5,64901590
02-12-2008	23:51:52	5,37152767
03-12-2008	00:00:23	5,32696772

Reservatório Seixo Alvo - Célula 1 (12-02-2008)
Nível (m)
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Horas

Reservatório Seixo Alvo - Célula 2 (12-02-2008)
Nível (m)
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Horas

RESERVATÓRIO DE SEIXO ALVO

CÉLULA 1

Data	Hora	Altura (m)
13-02-2008	00:00:23	5,32494211
13-02-2008	00:06:52	5,36747694
13-02-2008	00:21:52	5,49710655
13-02-2008	00:36:52	5,65509224
13-02-2008	00:51:52	5,66116905
13-02-2008	01:06:52	5,53356457
13-02-2008	01:21:52	5,25607634
13-02-2008	01:36:52	4,78414345
13-02-2008	01:51:52	4,76793957
13-02-2008	02:06:52	5,00694418
13-02-2008	02:21:52	5,00086784
13-02-2008	02:36:52	4,85098362
13-02-2008	02:51:52	4,71325207
13-02-2008	03:06:52	4,89149284
13-02-2008	03:21:52	5,14467573
13-02-2008	03:36:52	5,38773155
13-02-2008	03:51:52	5,64293957
13-02-2008	04:06:52	5,83130789
13-02-2008	04:21:52	5,70977974
13-02-2008	04:36:52	5,66116905
13-02-2008	04:51:52	5,99537039
13-02-2008	05:06:53	6,32146978
13-02-2008	05:21:53	6,29311323
13-02-2008	05:36:53	6,01765013
13-02-2008	05:51:53	5,74218750
13-02-2008	06:06:53	5,48292828
13-02-2008	06:21:53	5,22569418
13-02-2008	06:36:53	4,97656250
13-02-2008	06:51:53	4,53096056
13-02-2008	07:06:53	3,98206019
13-02-2008	07:21:53	4,03067112
13-02-2008	07:36:53	3,96383095
13-02-2008	07:51:53	4,11371517
13-02-2008	08:06:53	4,10358810
13-02-2008	08:21:53	4,36284733
13-02-2008	08:36:53	4,78819418
13-02-2008	08:51:53	5,12239552
13-02-2008	09:06:53	5,53964090
13-02-2008	09:21:53	5,62876129
13-02-2008	09:36:53	5,48090267
13-02-2008	09:51:54	5,32696772
13-02-2008	10:06:54	5,37962961
13-02-2008	10:21:54	5,75028944
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13-02-2008	10:51:54	6,23842573
13-02-2008	11:06:54	6,05815983
13-02-2008	11:21:54	6,13107634
13-02-2008	11:36:54	6,29108763

CÉLULA 2

Data	Hora	Altura (m)
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13-02-2008	00:21:52	5,51128483
13-02-2008	00:36:52	5,67939806
13-02-2008	00:51:52	5,68344879
13-02-2008	01:06:52	5,54976845
13-02-2008	01:21:52	5,22974539
13-02-2008	01:36:52	4,78414345
13-02-2008	01:51:52	4,81250000
13-02-2008	02:06:52	5,05758095
13-02-2008	02:21:52	5,02314806
13-02-2008	02:36:52	4,88136578
13-02-2008	02:51:52	4,73958302
13-02-2008	03:06:52	4,94010401
13-02-2008	03:21:52	5,19531250
13-02-2008	03:36:52	5,43229151
13-02-2008	03:51:52	5,68952513
13-02-2008	04:06:52	5,88396978
13-02-2008	04:21:52	5,77256918
13-02-2008	04:36:52	5,73205996
13-02-2008	04:51:52	6,05815983
13-02-2008	05:06:53	6,38830996
13-02-2008	05:21:53	6,34982634
13-02-2008	05:36:53	6,07031250
13-02-2008	05:51:53	5,80497694
13-02-2008	06:06:53	5,54369211
13-02-2008	06:21:53	5,29658556
13-02-2008	06:36:53	5,03732634
13-02-2008	06:51:53	4,58159733
13-02-2008	07:06:53	4,04484940
13-02-2008	07:21:53	4,09346056
13-02-2008	07:36:53	4,04484940
13-02-2008	07:51:53	4,18663168
13-02-2008	08:06:53	4,16232634
13-02-2008	08:21:53	4,42361116
13-02-2008	08:36:53	4,85098362
13-02-2008	08:51:53	5,11429405
13-02-2008	09:06:53	5,52141190
13-02-2008	09:21:53	5,59230328
13-02-2008	09:36:53	5,48697901
13-02-2008	09:51:54	5,38975668
13-02-2008	10:06:54	5,44646978
13-02-2008	10:21:54	5,81510401
13-02-2008	10:36:54	6,17158556
13-02-2008	10:51:54	6,30121517
13-02-2008	11:06:54	6,12094879
13-02-2008	11:21:54	6,19589090
13-02-2008	11:36:54	6,35185194

13-02-2008	11:51:54	6,15538168
13-02-2008	12:06:54	5,61255789
13-02-2008	12:22:22	5,25607634
13-02-2008	12:37:59	5,39583302
13-02-2008	12:52:59	5,53761578
13-02-2008	13:07:59	5,71990728
13-02-2008	13:22:59	6,08854151
13-02-2008	13:37:59	6,41464090
13-02-2008	13:52:59	6,45312500
13-02-2008	14:07:59	6,44299746
13-02-2008	14:22:59	6,47135401
13-02-2008	14:37:59	6,30324078
13-02-2008	14:52:59	5,92447901
13-02-2008	15:07:59	5,65509224
13-02-2008	15:22:59	5,66116905
13-02-2008	15:37:59	5,81510401
13-02-2008	15:52:59	5,81510401
13-02-2008	16:07:59	5,82118034
13-02-2008	16:22:59	5,83130789
13-02-2008	16:37:59	5,90827513
13-02-2008	16:52:59	6,18171263
13-02-2008	17:08:00	6,13107634
13-02-2008	17:23:00	6,04600668
13-02-2008	17:38:00	5,88802052
13-02-2008	17:53:00	5,79484940
13-02-2008	18:08:00	6,12500000
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13-02-2008	18:38:00	6,28096056
13-02-2008	18:53:00	5,72598362
13-02-2008	19:08:00	5,63281250
13-02-2008	19:23:00	5,79687500
13-02-2008	19:38:00	5,52951384
13-02-2008	19:53:00	5,24594879
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13-02-2008	22:08:01	4,27170134
13-02-2008	22:23:01	4,19675922
13-02-2008	22:38:01	4,11168957
13-02-2008	22:53:01	4,03067112
13-02-2008	23:08:01	3,97193289
13-02-2008	23:23:01	4,11168957
13-02-2008	23:38:01	4,41753483
13-02-2008	23:53:01	4,82465267
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13-02-2008	12:06:54	5,63483763
13-02-2008	12:22:22	5,27633095
13-02-2008	12:37:59	5,38975668
13-02-2008	12:52:59	5,52141190
13-02-2008	13:07:59	5,70167828
13-02-2008	13:22:59	6,10474539
13-02-2008	13:37:59	6,42071724
13-02-2008	13:52:59	6,45920134
13-02-2008	14:07:59	6,47540474
13-02-2008	14:22:59	6,48350668
13-02-2008	14:37:59	6,32146978
13-02-2008	14:52:59	5,89612246
13-02-2008	15:07:59	5,62065983
13-02-2008	15:22:59	5,66521978
13-02-2008	15:37:59	5,82118034
13-02-2008	15:52:59	5,81510401
13-02-2008	16:07:59	5,81510401
13-02-2008	16:22:59	5,83333302
13-02-2008	16:37:59	5,91840267
13-02-2008	16:52:59	6,19589090
13-02-2008	17:08:00	6,12702513
13-02-2008	17:23:00	6,03385401
13-02-2008	17:38:00	5,87789345
13-02-2008	17:53:00	5,80092573
13-02-2008	18:08:00	6,15943289
13-02-2008	18:23:00	6,50376129
13-02-2008	18:38:00	6,32146978
13-02-2008	18:53:00	5,73611116
13-02-2008	19:08:00	5,69560194
13-02-2008	19:23:00	5,86168957
13-02-2008	19:38:00	5,59027767
13-02-2008	19:53:00	5,31076384
13-02-2008	20:08:00	5,00491905
13-02-2008	20:23:00	4,67679405
13-02-2008	20:38:00	4,33246517
13-02-2008	20:53:00	4,19270802
13-02-2008	21:08:00	3,90104151
13-02-2008	21:23:00	3,54456019
13-02-2008	21:38:01	3,67824078
13-02-2008	21:53:01	4,05295134
13-02-2008	22:08:01	4,27575207
13-02-2008	22:23:01	4,14409733
13-02-2008	22:38:01	4,07523155
13-02-2008	22:53:01	3,99421287
13-02-2008	23:08:01	3,93344903
13-02-2008	23:23:01	4,11168957
13-02-2008	23:38:01	4,43373823
13-02-2008	23:53:01	4,85098362
14-02-2008	00:00:13	4,95630789

Reservatório Seixo Alvo - Célula 1 (13-02-2008)
Nível (m)
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23:53:01
Horas

Reservatório Seixo Alvo - Célula 2 (13-02-2008)
Nível (m)
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23:53:01
Horas

RESERVATÓRIO DE SEIXO ALVO

CÉLULA 1

Data	Hora	Altura (m)
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14-02-2008	00:08:01	4,98668957
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14-02-2008	00:38:01	5,38773155
14-02-2008	00:53:01	5,62876129
14-02-2008	01:08:01	5,88802052
14-02-2008	01:23:01	5,90827513
14-02-2008	01:38:01	5,72193289
14-02-2008	01:53:01	5,33101845
14-02-2008	02:08:01	5,22569418
14-02-2008	02:23:01	5,21961784
14-02-2008	02:38:01	5,23987246
14-02-2008	02:53:01	5,45659733
14-02-2008	03:08:02	5,66927052
14-02-2008	03:23:02	6,19589090
14-02-2008	03:38:02	6,27893496
14-02-2008	03:53:02	6,18576384
14-02-2008	04:08:02	5,91840267
14-02-2008	04:23:02	5,51128483
14-02-2008	04:38:02	5,65509224
14-02-2008	04:53:02	5,98524284
14-02-2008	05:08:02	6,07638884
14-02-2008	05:23:02	6,16753483
14-02-2008	05:38:02	6,08043957
14-02-2008	05:53:02	5,82523155
14-02-2008	06:08:02	5,55179405
14-02-2008	06:23:02	5,25607634
14-02-2008	06:38:02	4,59172440
14-02-2008	06:53:02	4,08535862
14-02-2008	07:08:02	3,87268519
14-02-2008	07:23:02	3,79571748
14-02-2008	07:38:03	3,68026614
14-02-2008	07:53:03	3,28935170
14-02-2008	08:08:03	2,88425922
14-02-2008	08:23:03	3,07870364
14-02-2008	08:38:03	3,43518519
14-02-2008	08:53:03	3,94155073
14-02-2008	09:08:03	4,33246517
14-02-2008	09:23:03	4,53703690
14-02-2008	09:38:03	4,66666651
14-02-2008	09:53:03	4,58564806
14-02-2008	10:08:03	4,65653944
14-02-2008	10:23:03	4,89149284
14-02-2008	10:38:03	4,94010401
14-02-2008	10:53:03	4,66059017
14-02-2008	11:08:03	4,26359940
14-02-2008	11:23:03	4,23726845
14-02-2008	11:38:03	4,16030073

CÉLULA 2

Data	Hora	Altura (m)
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14-02-2008	00:38:01	5,42013884
14-02-2008	00:53:01	5,66116905
14-02-2008	01:08:01	5,92447901
14-02-2008	01:23:01	5,95283556
14-02-2008	01:38:01	5,71990728
14-02-2008	01:53:01	5,35127306
14-02-2008	02:08:01	5,24594879
14-02-2008	02:23:01	5,25810194
14-02-2008	02:38:01	5,31481457
14-02-2008	02:53:01	5,52141190
14-02-2008	03:08:02	5,73408556
14-02-2008	03:23:02	6,26070595
14-02-2008	03:38:02	6,32754612
14-02-2008	03:53:02	6,24247694
14-02-2008	04:08:02	5,97916651
14-02-2008	04:23:02	5,58015013
14-02-2008	04:38:02	5,72598362
14-02-2008	04:53:02	6,05410862
14-02-2008	05:08:02	6,14525461
14-02-2008	05:23:02	6,23640013
14-02-2008	05:38:02	6,13715267
14-02-2008	05:53:02	5,88396978
14-02-2008	06:08:02	5,60850668
14-02-2008	06:23:02	5,31481457
14-02-2008	06:38:02	4,63830996
14-02-2008	06:53:02	4,15017366
14-02-2008	07:08:02	3,92939806
14-02-2008	07:23:02	3,86053228
14-02-2008	07:38:03	3,73495364
14-02-2008	07:53:03	3,33593750
14-02-2008	08:08:03	2,92476845
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14-02-2008	09:38:03	4,65856457
14-02-2008	09:53:03	4,65046263
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14-02-2008	10:53:03	4,70920134
14-02-2008	11:08:03	4,32436323
14-02-2008	11:23:03	4,30208302
14-02-2008	11:38:03	4,22309017

14-02-2008	11:53:03	3,73495364
14-02-2008	12:08:03	3,46759248
14-02-2008	12:23:03	3,54456019
14-02-2008	12:38:03	3,88888884
14-02-2008	12:53:03	4,02459478
14-02-2008	13:08:03	4,13194418
14-02-2008	13:23:04	4,20283556
14-02-2008	13:38:04	4,27575207
14-02-2008	13:53:04	4,36892366
14-02-2008	14:08:04	4,67881918
14-02-2008	14:23:04	4,79832172
14-02-2008	14:38:04	4,53906250
14-02-2008	14:53:04	4,51880789
14-02-2008	15:08:04	4,66869211
14-02-2008	15:23:04	4,82060194
14-02-2008	15:38:04	4,80439806
14-02-2008	15:53:04	4,64641190
14-02-2008	16:08:04	4,46412039
14-02-2008	16:23:04	4,21296310
14-02-2008	16:38:04	3,98206019
14-02-2008	16:53:04	3,85040498
14-02-2008	17:08:04	4,26359940
14-02-2008	17:23:04	4,63830996
14-02-2008	17:38:04	4,81250000
14-02-2008	17:53:04	4,95630789
14-02-2008	18:08:04	5,07783556
14-02-2008	18:23:04	5,28645802
14-02-2008	18:38:05	5,52141190
14-02-2008	18:53:05	5,48900461
14-02-2008	19:08:05	5,31886578
14-02-2008	19:23:05	4,99074078
14-02-2008	19:38:05	4,97453690
14-02-2008	19:53:05	4,90567112
14-02-2008	20:08:05	4,59577513
14-02-2008	20:23:05	4,26157379
14-02-2008	20:38:05	3,90306711
14-02-2008	20:53:05	3,49797440
14-02-2008	21:08:05	3,02604151
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14-02-2008	23:53:06	5,11226845
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14-02-2008	12:08:03	3,53443289
14-02-2008	12:23:03	3,59317112
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14-02-2008	12:53:03	4,00434017
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14-02-2008	13:23:04	4,17447901
14-02-2008	13:38:04	4,25752306
14-02-2008	13:53:04	4,36284733
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14-02-2008	14:38:04	4,46412039
14-02-2008	14:53:04	4,48640060
14-02-2008	15:08:04	4,64033556
14-02-2008	15:23:04	4,80237246
14-02-2008	15:38:04	4,72743034
14-02-2008	15:53:04	4,56539345
14-02-2008	16:08:04	4,38310194
14-02-2008	16:23:04	4,12181711
14-02-2008	16:38:04	3,89901614
14-02-2008	16:53:04	3,82204843
14-02-2008	17:08:04	4,27170134
14-02-2008	17:23:04	4,62818289
14-02-2008	17:38:04	4,79427052
14-02-2008	17:53:04	4,92997694
14-02-2008	18:08:04	5,04745340
14-02-2008	18:23:04	5,31886578
14-02-2008	18:38:05	5,57407379
14-02-2008	18:53:05	5,54369211
14-02-2008	19:08:05	5,37760401
14-02-2008	19:23:05	5,05353022
14-02-2008	19:38:05	5,03530073
14-02-2008	19:53:05	4,97048616
14-02-2008	20:08:05	4,66059017
14-02-2008	20:23:05	4,32436323
14-02-2008	20:38:05	3,96383095
14-02-2008	20:53:05	3,57291651
14-02-2008	21:08:05	3,10300922
14-02-2008	21:23:05	3,11718750
14-02-2008	21:38:05	3,49392343
14-02-2008	21:53:05	4,07118034
14-02-2008	22:08:05	4,53501129
14-02-2008	22:23:05	4,37500000
14-02-2008	22:38:05	4,28182840
14-02-2008	22:53:05	4,25347233
14-02-2008	23:08:05	4,56134272
14-02-2008	23:23:06	4,88136578
14-02-2008	23:38:06	5,12847233
14-02-2008	23:53:06	5,06365728
15-02-2008	00:00:02	5,16898155

Reservatório Seixo Alvo - Célula 1 (14-02-2008)
Nível (m)
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23:53:06
Horas

Reservatório Seixo Alvo - Célula 2 (14-02-2008)
Nível (m)
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Horas

RESERVATÓRIO DE SEIXO ALVO

CÉLULA 1

Data	Hora	Altura (m)
15-02-2008	00:00:02	5,16695595
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15-02-2008	00:38:06	6,01562500
15-02-2008	00:53:06	5,99537039
15-02-2008	01:08:06	5,93865728
15-02-2008	01:23:06	5,69560194
15-02-2008	01:38:06	5,55787039
15-02-2008	01:53:06	5,58015013
15-02-2008	02:08:06	5,78067112
15-02-2008	02:23:06	5,67332172
15-02-2008	02:38:06	5,57812500
15-02-2008	02:53:06	5,87181711
15-02-2008	03:08:06	6,16145802
15-02-2008	03:23:06	6,38830996
15-02-2008	03:38:06	6,25665474
15-02-2008	03:53:06	6,32957172
15-02-2008	04:08:06	6,10879612
15-02-2008	04:23:06	5,60243034
15-02-2008	04:38:06	5,63281250
15-02-2008	04:53:06	5,66116905
15-02-2008	05:08:06	5,62268496
15-02-2008	05:23:06	5,61458302
15-02-2008	05:38:06	5,38773155
15-02-2008	05:53:07	5,15277767
15-02-2008	06:08:07	4,97453690
15-02-2008	06:23:07	4,99074078
15-02-2008	06:38:07	5,21961784
15-02-2008	06:53:07	5,17910862
15-02-2008	07:08:07	5,40596056
15-02-2008	07:23:07	5,76041651
15-02-2008	07:38:07	5,99942112
15-02-2008	07:53:07	5,76041651
15-02-2008	08:08:07	5,77662039
15-02-2008	08:23:07	6,08651590
15-02-2008	08:38:07	6,23640013
15-02-2008	08:53:07	6,16145802
15-02-2008	09:08:07	5,87586784
15-02-2008	09:23:07	6,05005789
15-02-2008	09:38:07	5,90219879
15-02-2008	09:53:07	5,64293957
15-02-2008	10:08:07	5,63281250
15-02-2008	10:23:07	5,67939806
15-02-2008	10:38:07	5,52343750
15-02-2008	10:53:07	5,21354151
15-02-2008	11:08:08	5,31481457
15-02-2008	11:23:08	5,41811323
15-02-2008	11:38:08	5,39583302

CÉLULA 2

Data	Hora	Altura (m)
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15-02-2008	00:23:06	5,66116905
15-02-2008	00:38:06	6,03587961
15-02-2008	00:53:06	6,02575207
15-02-2008	01:08:06	5,97714090
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15-02-2008	01:53:06	5,63078690
15-02-2008	02:08:06	5,82523155
15-02-2008	02:23:06	5,70167828
15-02-2008	02:38:06	5,61458302
15-02-2008	02:53:06	5,91840267
15-02-2008	03:08:06	6,20804405
15-02-2008	03:23:06	6,44097185
15-02-2008	03:38:06	6,31944418
15-02-2008	03:53:06	6,39843750
15-02-2008	04:08:06	6,15943289
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15-02-2008	04:38:06	5,70370340
15-02-2008	04:53:06	5,73205996
15-02-2008	05:08:06	5,69560194
15-02-2008	05:23:06	5,68344879
15-02-2008	05:38:06	5,45052052
15-02-2008	05:53:07	5,21354151
15-02-2008	06:08:07	5,03327513
15-02-2008	06:23:07	5,03732634
15-02-2008	06:38:07	5,27025461
15-02-2008	06:53:07	5,20746517
15-02-2008	07:08:07	5,46267366
15-02-2008	07:23:07	5,80700207
15-02-2008	07:38:07	6,05410862
15-02-2008	07:53:07	5,78472233
15-02-2008	08:08:07	5,77662039
15-02-2008	08:23:07	6,10474539
15-02-2008	08:38:07	6,21209478
15-02-2008	08:53:07	6,17158556
15-02-2008	09:08:07	5,87384224
15-02-2008	09:23:07	6,05815983
15-02-2008	09:38:07	5,95891190
15-02-2008	09:53:07	5,70167828
15-02-2008	10:08:07	5,69155073
15-02-2008	10:23:07	5,73408556
15-02-2008	10:38:07	5,59027767
15-02-2008	10:53:07	5,27025461
15-02-2008	11:08:08	5,37760401
15-02-2008	11:23:08	5,47887707
15-02-2008	11:38:08	5,45659733

15-02-2008	11:53:08	5,15277767
15-02-2008	12:08:08	4,89959478
15-02-2008	12:23:08	5,23582172
15-02-2008	12:38:08	5,63888884
15-02-2008	12:53:08	5,94473362
15-02-2008	13:08:08	6,18171263
15-02-2008	13:23:08	5,86574078
15-02-2008	13:38:08	5,78674746
15-02-2008	13:53:08	5,71383095
15-02-2008	14:08:08	5,79484940
15-02-2008	14:23:08	5,85561323
15-02-2008	14:38:08	5,86574078
15-02-2008	14:53:08	5,71990728
15-02-2008	15:08:08	5,52748823
15-02-2008	15:23:08	5,46672440
15-02-2008	15:38:08	5,65104151
15-02-2008	15:53:08	5,58015013
15-02-2008	16:08:08	5,49913168
15-02-2008	16:23:08	5,41203690
15-02-2008	16:38:08	5,33709478
15-02-2008	16:53:09	5,34519672
15-02-2008	17:08:09	5,77459478
15-02-2008	17:23:09	5,99739552
15-02-2008	17:38:09	6,16753483
15-02-2008	17:53:09	6,34375000
15-02-2008	18:08:09	6,54224539
15-02-2008	18:23:09	6,18171263
15-02-2008	18:38:09	5,87181711
15-02-2008	18:53:09	5,65914345
15-02-2008	19:08:09	5,39988422
15-02-2008	19:23:09	5,46672440
15-02-2008	19:38:09	5,33912039
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15-02-2008	20:08:09	4,62210655
15-02-2008	20:23:09	4,31626129
15-02-2008	20:38:09	3,99421287
15-02-2008	20:53:09	3,65393519
15-02-2008	21:08:09	3,26302075
15-02-2008	21:23:09	3,56481481
15-02-2008	21:38:09	4,22106457
15-02-2008	21:53:09	4,61603022
15-02-2008	22:08:09	4,75173616
15-02-2008	22:23:10	4,91174746
15-02-2008	22:38:10	4,97453690
15-02-2008	22:53:10	4,84490728
15-02-2008	23:08:10	4,99074078
15-02-2008	23:23:10	5,22569418
15-02-2008	23:38:10	5,41811323
15-02-2008	23:53:10	5,31481457
16-02-2008	00:00:25	5,35937500

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15-02-2008	12:08:08	4,96238422
15-02-2008	12:23:08	5,27835655
15-02-2008	12:38:08	5,62876129
15-02-2008	12:53:08	5,94675922
15-02-2008	13:08:08	6,17968750
15-02-2008	13:23:08	5,85763884
15-02-2008	13:38:08	5,77662039
15-02-2008	13:53:08	5,70370340
15-02-2008	14:08:08	5,79282379
15-02-2008	14:23:08	5,85156250
15-02-2008	14:38:08	5,81510401
15-02-2008	14:53:08	5,64901590
15-02-2008	15:08:08	5,45659733
15-02-2008	15:23:08	5,43229151
15-02-2008	15:38:08	5,62065983
15-02-2008	15:53:08	5,51736116
15-02-2008	16:08:08	5,44241905
15-02-2008	16:23:08	5,35127306
15-02-2008	16:38:08	5,27633095
15-02-2008	16:53:09	5,32089090
15-02-2008	17:08:09	5,78269672
15-02-2008	17:23:09	5,97916651
15-02-2008	17:38:09	6,15943289
15-02-2008	17:53:09	6,32146978
15-02-2008	18:08:09	6,54224539
15-02-2008	18:23:09	6,22019672
15-02-2008	18:38:09	5,93865728
15-02-2008	18:53:09	5,72193289
15-02-2008	19:08:09	5,46672440
15-02-2008	19:23:09	5,52748823
15-02-2008	19:38:09	5,40190983
15-02-2008	19:53:09	5,03125000
15-02-2008	20:08:09	4,68894672
15-02-2008	20:23:09	4,37297440
15-02-2008	20:38:09	4,05497694
15-02-2008	20:53:09	3,71672440
15-02-2008	21:08:09	3,32581019
15-02-2008	21:23:09	3,60532403
15-02-2008	21:38:09	4,26157379
15-02-2008	21:53:09	4,66666651
15-02-2008	22:08:09	4,73755789
15-02-2008	22:23:10	4,88136578
15-02-2008	22:38:10	4,91579866
15-02-2008	22:53:10	4,77806711
15-02-2008	23:08:10	4,97453690
15-02-2008	23:23:10	5,21961784
15-02-2008	23:38:10	5,37152767
15-02-2008	23:53:10	5,24392366
16-02-2008	00:00:25	5,33709478

Reservatório Seixo Alvo - Célula 1 (15-02-2008)
Nível (m)
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13:38:08
14:53:08
16:08:08
17:23:09
18:38:09
19:53:09
21:08:09
22:23:10
23:38:10
Hora

Reservatório Seixo Alvo - Célula 2 (15-02-2008)
Nível (m)
7,0
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12:23:08
13:38:08
14:53:08
16:08:08
17:23:09
18:38:09
19:53:09
21:08:09
22:23:10
23:38:10
Horas

RESERVATÓRIO DE SEIXO ALVO

CÉLULA 1

Data	Hora	Altura (m)
16-02-2008	00:00:25	5,35937500
16-02-2008	00:08:10	5,47685194
16-02-2008	00:23:10	5,53964090
16-02-2008	00:38:10	5,44039345
16-02-2008	00:53:10	5,21354151
16-02-2008	01:08:10	5,01707172
16-02-2008	01:23:10	4,58767366
16-02-2008	01:38:10	4,23726845
16-02-2008	01:53:10	4,12384272
16-02-2008	02:08:10	4,02054405
16-02-2008	02:23:10	3,57494211
16-02-2008	02:38:10	3,12731481
16-02-2008	02:53:10	2,78906250
16-02-2008	03:08:10	3,13136578
16-02-2008	03:23:10	3,54253459
16-02-2008	03:38:10	3,87268519
16-02-2008	03:53:10	4,43778944
16-02-2008	04:08:10	4,57957172
16-02-2008	04:23:10	4,52690983
16-02-2008	04:38:10	4,31221056
16-02-2008	04:53:11	3,95775461
16-02-2008	05:08:11	3,98206019
16-02-2008	05:23:11	4,02054405
16-02-2008	05:38:11	4,04079866
16-02-2008	05:53:11	4,08130789
16-02-2008	06:08:11	4,11979151
16-02-2008	06:23:11	4,13194418
16-02-2008	06:38:11	4,12586784
16-02-2008	06:53:11	4,11371517
16-02-2008	07:08:11	4,06915522
16-02-2008	07:23:11	4,03067112
16-02-2008	07:38:11	4,55526590
16-02-2008	07:53:11	5,19733763
16-02-2008	08:08:11	5,98321724
16-02-2008	08:23:11	6,23842573
16-02-2008	08:38:11	6,07638884
16-02-2008	08:53:11	5,95891190
16-02-2008	09:08:11	6,26070595
16-02-2008	09:23:11	6,31134224
16-02-2008	09:38:12	6,45515013
16-02-2008	09:53:12	6,00549746
16-02-2008	10:08:12	5,79687500
16-02-2008	10:23:12	5,53964090
16-02-2008	10:38:12	5,37152767
16-02-2008	10:53:12	5,42013884
16-02-2008	11:08:12	5,43026590
16-02-2008	11:23:12	5,14872694
16-02-2008	11:38:12	5,06770802

CÉLULA 2

Data	Hora	Altura (m)
16-02-2008	00:00:25	5,33709478
16-02-2008	00:08:10	5,45862246
16-02-2008	00:23:10	5,51330996
16-02-2008	00:38:10	5,42824078
16-02-2008	00:53:10	5,21354151
16-02-2008	01:08:10	5,03125000
16-02-2008	01:23:10	4,55729151
16-02-2008	01:38:10	4,26562500
16-02-2008	01:53:10	4,14004612
16-02-2008	02:08:10	4,06510401
16-02-2008	02:23:10	3,60532403
16-02-2008	02:38:10	3,16377306
16-02-2008	02:53:10	2,84982634
16-02-2008	03:08:10	3,20428228
16-02-2008	03:23:10	3,61747670
16-02-2008	03:38:10	3,94762731
16-02-2008	03:53:10	4,50057840
16-02-2008	04:08:10	4,62615728
16-02-2008	04:23:10	4,57552052
16-02-2008	04:38:10	4,34259272
16-02-2008	04:53:11	4,01446772
16-02-2008	05:08:11	4,04484940
16-02-2008	05:23:11	4,07523155
16-02-2008	05:38:11	4,09953690
16-02-2008	05:53:11	4,14004612
16-02-2008	06:08:11	4,17245340
16-02-2008	06:23:11	4,18055534
16-02-2008	06:38:11	4,18055534
16-02-2008	06:53:11	4,16637707
16-02-2008	07:08:11	4,10966444
16-02-2008	07:23:11	4,04484940
16-02-2008	07:38:11	4,59982634
16-02-2008	07:53:11	5,22974539
16-02-2008	08:08:11	6,01967573
16-02-2008	08:23:11	6,25260401
16-02-2008	08:38:11	6,06626129
16-02-2008	08:53:11	5,94675922
16-02-2008	09:08:11	6,25665474
16-02-2008	09:23:11	6,37413168
16-02-2008	09:38:12	6,49363422
16-02-2008	09:53:12	6,07638884
16-02-2008	10:08:12	5,86574078
16-02-2008	10:23:12	5,60243034
16-02-2008	10:38:12	5,43229151
16-02-2008	10:53:12	5,48697901
16-02-2008	11:08:12	5,49710655
16-02-2008	11:23:12	5,21759272
16-02-2008	11:38:12	5,10214090

16-02-2008	11:53:12	5,11429405
16-02-2008	12:08:12	4,86516190
16-02-2008	12:23:12	5,04137707
16-02-2008	12:38:12	5,18518496
16-02-2008	12:53:12	5,29455996
16-02-2008	13:08:12	5,30468750
16-02-2008	13:23:12	5,25810194
16-02-2008	13:38:12	5,20949078
16-02-2008	13:53:12	4,94618034
16-02-2008	14:08:12	4,70717573
16-02-2008	14:23:12	4,46817112
16-02-2008	14:38:12	4,25549746
16-02-2008	14:53:12	4,12586784
16-02-2008	15:08:13	4,27170134
16-02-2008	15:23:13	4,35677052
16-02-2008	15:38:13	4,27372694
16-02-2008	15:53:13	4,29803228
16-02-2008	16:08:13	4,51070595
16-02-2008	16:23:13	4,45804405
16-02-2008	16:38:13	4,37500000
16-02-2008	16:53:13	4,28587961
16-02-2008	17:08:13	4,12586784
16-02-2008	17:23:13	3,91116881
16-02-2008	17:38:13	3,69039345
16-02-2008	17:53:13	3,57291651
16-02-2008	18:08:13	3,44328690
16-02-2008	18:23:13	3,36024308
16-02-2008	18:38:13	3,30960631
16-02-2008	18:53:13	3,50405097
16-02-2008	19:08:13	3,73900461
16-02-2008	19:23:13	3,77748823
16-02-2008	19:38:13	3,83825231
16-02-2008	19:53:13	4,04484940
16-02-2008	20:08:13	4,45804405
16-02-2008	20:23:13	4,83275461
16-02-2008	20:38:13	4,90567112
16-02-2008	20:53:13	4,93200207
16-02-2008	21:08:13	5,10619211
16-02-2008	21:23:14	5,21556711
16-02-2008	21:38:14	5,12442112
16-02-2008	21:53:14	5,14467573
16-02-2008	22:08:14	5,20746517
16-02-2008	22:23:14	4,96238422
16-02-2008	22:38:14	4,90162039
16-02-2008	22:53:14	4,93200207
16-02-2008	23:08:14	4,99681711
16-02-2008	23:23:14	4,89959478
16-02-2008	23:38:14	4,36487246
16-02-2008	23:53:14	4,14207172
17-02-2008	00:00:16	4,07928228

16-02-2008	11:53:12	5,14872694
16-02-2008	12:08:12	4,87326384
16-02-2008	12:23:12	5,02112246
16-02-2008	12:38:12	5,15885401
16-02-2008	12:53:12	5,26012707
16-02-2008	13:08:12	5,27633095
16-02-2008	13:23:12	5,21759272
16-02-2008	13:38:12	5,14872694
16-02-2008	13:53:12	4,85098362
16-02-2008	14:08:12	4,61805534
16-02-2008	14:23:12	4,39525461
16-02-2008	14:38:12	4,19270802
16-02-2008	14:53:12	4,10358810
16-02-2008	15:08:13	4,24739552
16-02-2008	15:23:13	4,32233810
16-02-2008	15:38:13	4,21498823
16-02-2008	15:53:13	4,27575207
16-02-2008	16:08:13	4,49450207
16-02-2008	16:23:13	4,40538168
16-02-2008	16:38:13	4,32436323
16-02-2008	16:53:13	4,22309017
16-02-2008	17:08:13	4,06915522
16-02-2008	17:23:13	3,84027767
16-02-2008	17:38:13	3,63368058
16-02-2008	17:53:13	3,50607634
16-02-2008	18:08:13	3,39265037
16-02-2008	18:23:13	3,31163192
16-02-2008	18:38:13	3,30352998
16-02-2008	18:53:13	3,56886578
16-02-2008	19:08:13	3,80584478
16-02-2008	19:23:13	3,84027767
16-02-2008	19:38:13	3,89901614
16-02-2008	19:53:13	4,10561323
16-02-2008	20:08:13	4,52083302
16-02-2008	20:23:13	4,89351845
16-02-2008	20:38:13	4,97048616
16-02-2008	20:53:13	4,99479151
16-02-2008	21:08:13	5,16695595
16-02-2008	21:23:14	5,27835655
16-02-2008	21:38:14	5,18518496
16-02-2008	21:53:14	5,20746517
16-02-2008	22:08:14	5,25810194
16-02-2008	22:23:14	4,97453690
16-02-2008	22:38:14	4,90972233
16-02-2008	22:53:14	4,93402767
16-02-2008	23:08:14	5,00289345
16-02-2008	23:23:14	4,86313629
16-02-2008	23:38:14	4,33651590
16-02-2008	23:53:14	4,16232634
17-02-2008	00:00:16	4,09953690

Reservatório Seixo Alvo - Célula 1 (16-02-2008)
Nível (m)
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22:53:14
23:53:14
Horas

Reservatório Seixo Alvo - Célula 2 (16-02-2008)
Nível (m)
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23:53:14
Horas

RESERVATÓRIO DE SEIXO ALVO

CÉLULA 1

Data	Hora	Altura (m)
17-02-2008	00:00:16	4,07928228
17-02-2008	00:08:14	4,03067112
17-02-2008	00:23:14	3,92737269
17-02-2008	00:38:14	3,85040498
17-02-2008	00:53:14	3,66811323
17-02-2008	01:08:14	3,25086808
17-02-2008	01:23:14	3,39467597
17-02-2008	01:38:14	3,64380789
17-02-2008	01:53:14	3,89901614
17-02-2008	02:08:15	4,15219879
17-02-2008	02:23:15	4,39322901
17-02-2008	02:38:15	4,63223362
17-02-2008	02:53:15	4,71932840
17-02-2008	03:08:15	4,58159733
17-02-2008	03:23:15	4,54918957
17-02-2008	03:38:15	4,86313629
17-02-2008	03:53:15	4,92390013
17-02-2008	04:08:15	4,83883095
17-02-2008	04:23:15	5,13454866
17-02-2008	04:38:15	5,44849539
17-02-2008	04:53:15	5,71383095
17-02-2008	05:08:15	5,89612246
17-02-2008	05:23:15	6,07436323
17-02-2008	05:38:15	6,23640013
17-02-2008	05:53:15	5,95486116
17-02-2008	06:08:15	5,59230328
17-02-2008	06:23:15	4,96643496
17-02-2008	06:38:15	4,75781250
17-02-2008	06:53:15	4,93200207
17-02-2008	07:08:16	5,33912039
17-02-2008	07:23:16	5,73611116
17-02-2008	07:38:16	6,14120340
17-02-2008	07:53:16	6,54224539
17-02-2008	08:08:16	6,34375000
17-02-2008	08:23:16	5,94270802
17-02-2008	08:38:16	5,18721056
17-02-2008	08:53:16	5,12442112
17-02-2008	09:08:16	5,83738422
17-02-2008	09:23:16	6,47135401
17-02-2008	09:38:16	6,33969879
17-02-2008	09:53:16	6,45312500
17-02-2008	10:08:16	6,38223362
17-02-2008	10:23:16	6,41059017
17-02-2008	10:38:16	5,89207172
17-02-2008	10:53:16	5,23784733
17-02-2008	11:08:16	4,63223362
17-02-2008	11:23:16	4,40538168
17-02-2008	11:38:16	4,71325207

CÉLULA 2

Data	Hora	Altura (m)
17-02-2008	00:00:16	4,09953690
17-02-2008	00:08:14	4,05092573
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Reservatório Seixo Alvo - Célula 1 (17-02-2008)
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Horas

Reservatório Seixo Alvo - Célula 2 (17-02-2008)
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Horas

RESERVATÓRIO DE JOVIM

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Reservatório Jovim - Célula 1 (09-02-2008)
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Horas

Reservatório Jovim - Célula Central (09-02-2008)
Nível (m)
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Horas

Reservatório Jovim - Célula 2 (09-02-2008)
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Horas

RESERVATÓRIO DE JOVIM

CÉLULA 1			CÉLULA CENTRAL	CÉLULA 2		
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02-10-2008	00:32:59	4,43122005	4,49164581	02-10-2008	00:32:59	4,46837425
02-10-2008	00:47:59	4,37037468	4,42786312	02-10-2008	00:47:59	4,40673590
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02-10-2008	01:17:59	4,24616623	4,31204700	02-10-2008	01:17:59	4,28845644
02-10-2008	01:32:59	4,18490124	4,24868393	02-10-2008	01:32:59	4,22473574
02-10-2008	01:47:59	4,12405586	4,19161510	02-10-2008	01:47:59	4,16393042
02-10-2008	02:02:59	4,07579947	4,14084101	02-10-2008	02:02:59	4,11312008
02-10-2008	02:17:59	4,02838182	4,09258413	02-10-2008	02:17:59	4,07105589
02-10-2008	02:32:59	3,96963453	4,03299761	02-10-2008	02:32:59	4,01149988
02-10-2008	02:47:59	3,91088724	3,97425032	02-10-2008	02:47:59	3,95027781
02-10-2008	03:03:00	3,85633612	3,91466379	02-10-2008	03:03:00	3,89530277
02-10-2008	03:18:00	3,80556178	3,86179161	02-10-2008	03:18:00	3,84324336
02-10-2008	03:33:00	3,75310922	3,81353498	02-10-2008	03:33:00	3,79160047
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02-10-2008	06:18:01	3,27054238	3,33810163	02-10-2008	06:18:01	3,31140304
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Reservatório Jovim - Célula 1 (10-02-2008)
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Horas

Reservatório Jovim -Célula Central (10-02-2008)
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Horas

Reservatório Jovim - Célula 2 (10-02-2008)
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Horas

RESERVATÓRIO DE JOVIM

CÉLULA 1			CÉLULA CENTRAL	CÉLULA 2		
Data	Hora	Altura (m)	Altura (m)	Data	Hora	Altura (m)
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02-11-2008	00:33:04	4,61123848	4,67124414	02-11-2008	00:33:04	4,64995813
02-11-2008	00:48:04	4,55416965	4,61627388	02-11-2008	00:48:04	4,59748220
02-11-2008	01:03:04	4,49961853	4,55878544	02-11-2008	01:03:04	4,53792572
02-11-2008	01:18:04	4,43122005	4,49332428	02-11-2008	01:18:04	4,47212267
02-11-2008	01:33:04	4,37037468	4,43457699	02-11-2008	01:33:04	4,41090059
02-11-2008	01:48:05	4,32211781	4,38170433	02-11-2008	01:48:05	4,36050701
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Reservatório Jovim - Célula 1 (11-02-2008)
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Reservatório Jovim - Célula Central (11-02-2008)
Nível (m)
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Reservatório Jovim - Célula 2 (11-02-2008)
Nível (m)
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Horas

RESERVATÓRIO DE JOVIM

CÉLULA 1			CÉLULA CENTRAL	CÉLULA 2		
Data	Hora	Altura (m)	Altura (m)	Data	Hora	Altura (m)
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02-12-2008	00:51:48	3,64988184	3,71198606	02-12-2008	00:51:48	3,69247890
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02-12-2008	01:21:48	3,56805515	3,63393593	02-12-2008	01:21:48	3,60960007
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02-12-2008	01:51:48	3,50007629	3,56427860	02-12-2008	01:51:48	3,53380132
02-12-2008	02:06:48	3,46231008	3,51308489	02-12-2008	02:06:48	3,49590206
02-12-2008	02:21:48	3,43251705	3,49671936	02-12-2008	02:21:48	3,46591568
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02-12-2008	03:21:48	3,30872822	3,36747551	02-12-2008	03:21:48	3,34347177
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02-12-2008	04:06:48	3,23025846	3,29823780	02-12-2008	04:06:48	3,25851059
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Reservatório Jovim - Célula 1 (12-02-2008)
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Horas

Reservatório Jovim - Célula Central (12-02-2008)
Nível (m)
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Horas

Reservatório Jovim - Célula 2 (12-02-2008)
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Horas

RESERVATÓRIO DE JOVIM

CÉLULA 1			CÉLULA CENTRAL	CÉLULA 2		
Data	Hora	Altura (m)	Altura (m)	Data	Hora	Altura (m)
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13-02-2008	00:36:52	4,55165195	4,60997963	13-02-2008	00:36:52	4,58873606
13-02-2008	00:51:52	4,57515049	4,63305855	13-02-2008	00:51:52	4,62288666
13-02-2008	01:06:52	4,52647448	4,58480167	13-02-2008	01:06:52	4,56957817
13-02-2008	01:21:52	4,47779799	4,53570604	13-02-2008	01:21:52	4,52085018
13-02-2008	01:36:52	4,42534542	4,48283386	13-02-2008	01:36:52	4,47004032
13-02-2008	01:51:52	4,38548088	4,44254971	13-02-2008	01:51:52	4,42381144
13-02-2008	02:06:52	4,33680487	4,39429331	13-02-2008	02:06:52	4,37716579
13-02-2008	02:21:52	4,29064655	4,35652733	13-02-2008	02:21:52	4,33468533
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14:52:59
16:07:59
17:23:00
18:38:00
19:53:00
21:08:00
22:23:01
23:38:01
Horas

Reservatório Jovim - Célula Central (13-02-2008)
Nível (m)
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2,0
1,0
0,0
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02:21:52
03:36:52
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Horas

Reservatório Jovim - Célula 2 (13-02-2008)
Nível (m)
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23:38:01
Horas

RESERVATÓRIO DE JOVIM

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14-02-2008	20:23:05	4,31372547	4,34771490	14-02-2008	20:23:05	0,06746916
14-02-2008	20:38:05	4,37708855	4,42996120	14-02-2008	20:38:05	0,06788564
14-02-2008	20:53:05	4,44003201	4,49542236	14-02-2008	20:53:05	0,06746916
14-02-2008	21:08:05	4,49290466	4,55081272	14-02-2008	21:08:05	0,06788564
14-02-2008	21:23:05	4,54325914	4,57179356	14-02-2008	21:23:05	0,06746916
14-02-2008	21:38:05	4,27134371	4,27595949	14-02-2008	21:38:05	0,06788564
14-02-2008	21:53:05	4,00362396	4,01411486	14-02-2008	21:53:05	0,06788564
14-02-2008	22:08:05	3,67296100	3,69562054	14-02-2008	22:08:05	0,06788564
14-02-2008	22:23:05	3,42370486	3,44300747	14-02-2008	22:23:05	0,06746916
14-02-2008	22:38:05	3,17612743	3,19668889	14-02-2008	22:38:05	0,06746916
14-02-2008	22:53:05	3,11905837	3,15934229	14-02-2008	22:53:05	0,06788564
14-02-2008	23:08:05	3,12325454	3,15346766	14-02-2008	23:08:05	0,06788564
14-02-2008	23:23:06	3,12535262	3,16311884	14-02-2008	23:23:06	0,06788564
14-02-2008	23:38:06	3,12535262	3,16311884	14-02-2008	23:38:06	0,06788564
14-02-2008	23:53:06	3,12535262	3,11402297	14-02-2008	23:53:06	0,06788564
15-02-2008	00:00:02	3,13122773	3,16731501	15-02-2008	00:00:02	0,06746916

Reservatório Jovim - Célula 1 (14-02-2008)
Nível (m)
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23:53:06
Horas

Reservatório Jovim - Célula Central (14-02-2008)
Nível (m)
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Horas

Reservatório Jovim - Célula 2 (14-02-2008)
Nível (m)
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13:38:04
14:53:04
16:08:04
17:23:04
18:38:05
19:53:05
21:08:05
22:23:05
23:38:06
Horas

RESERVATÓRIO DE JOVIM

CÉLULA 1			CÉLULA CENTRAL	CÉLULA 2		
Data	Hora	Altura (m)	Altura (m)	Data	Hora	Altura (m)
15-02-2008	00:00:02	3,13122773	3,16731501	15-02-2008	00:00:02	0,06746916
15-02-2008	00:08:06	3,12912965	3,16731501	15-02-2008	00:08:06	0,06788564
15-02-2008	00:23:06	3,12912965	3,17570782	15-02-2008	00:23:06	0,06746916
15-02-2008	00:38:06	3,13122773	3,17151165	15-02-2008	00:38:06	0,06746916
15-02-2008	00:53:06	3,12912965	3,17151165	15-02-2008	00:53:06	0,06746916
15-02-2008	01:08:06	3,13542390	3,18200207	15-02-2008	01:08:06	0,06788564
15-02-2008	01:23:06	3,14255738	3,18200207	15-02-2008	01:23:06	0,06788564
15-02-2008	01:38:06	3,14633393	3,19039440	15-02-2008	01:38:06	0,06746916
15-02-2008	01:53:06	3,16102076	3,20927739	15-02-2008	01:53:06	0,06746916
15-02-2008	02:08:06	3,17612743	3,21808958	15-02-2008	02:08:06	0,06788564
15-02-2008	02:23:06	3,18787670	3,22858000	15-02-2008	02:23:06	0,06788564
15-02-2008	02:38:06	3,20340276	3,24956131	15-02-2008	02:38:06	0,06746916
15-02-2008	02:53:06	3,22018766	3,26424813	15-02-2008	02:53:06	0,06746916
15-02-2008	03:08:06	3,23697281	3,28606844	15-02-2008	03:08:06	0,06746916
15-02-2008	03:23:06	3,26005197	3,30704975	15-02-2008	03:23:06	0,06788564
15-02-2008	03:38:06	3,27935457	3,32131696	15-02-2008	03:38:06	0,06788564
15-02-2008	03:53:06	3,30201435	3,34019971	15-02-2008	03:53:06	0,06746916
15-02-2008	04:08:06	3,40943789	3,46482778	15-02-2008	04:08:06	0,06746916
15-02-2008	04:23:06	3,59952712	3,66163111	15-02-2008	04:23:06	0,06788564
15-02-2008	04:38:06	3,78667879	3,84542608	15-02-2008	04:38:06	0,06746916
15-02-2008	04:53:06	3,97425032	4,02250719	15-02-2008	04:53:06	0,06746916
15-02-2008	05:08:06	4,16182184	4,20881987	15-02-2008	05:08:06	0,06788564
15-02-2008	05:23:06	4,35400963	4,39681101	15-02-2008	05:23:06	0,06746916
15-02-2008	05:38:06	4,52815294	4,57179356	15-02-2008	05:38:06	0,06788564
15-02-2008	05:53:07	4,69558287	4,74300003	15-02-2008	05:53:07	0,06746916
15-02-2008	06:08:07	4,87853813	4,91420603	15-02-2008	06:08:07	0,06746916
15-02-2008	06:23:07	4,98806000	5,01323700	15-02-2008	06:23:07	0,06830212
15-02-2008	06:38:07	4,83070135	4,85713720	15-02-2008	06:38:07	0,06746916
15-02-2008	06:53:07	4,77908754	4,83405828	15-02-2008	06:53:07	0,06746916
15-02-2008	07:08:07	4,88315392	4,93518734	15-02-2008	07:08:07	0,06746916
15-02-2008	07:23:07	5,03883457	5,08079624	15-02-2008	07:23:07	0,06788564
15-02-2008	07:38:07	5,09338522	5,10639381	15-02-2008	07:38:07	0,06746916
15-02-2008	07:53:07	4,94609737	4,94357967	15-02-2008	07:53:07	0,06788564
15-02-2008	08:08:07	4,87434196	4,89280558	15-02-2008	08:08:07	0,06788564
15-02-2008	08:23:07	4,86804771	4,89070749	15-02-2008	08:23:07	0,06746916
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15-02-2008	09:08:07	4,56424046	4,56549931	15-02-2008	09:08:07	0,06746916
15-02-2008	09:23:07	4,39974833	4,42366695	15-02-2008	09:23:07	0,06746916
15-02-2008	09:38:07	4,49332428	4,51682281	15-02-2008	09:38:07	0,07163393
15-02-2008	09:53:07	4,57053471	4,59739065	15-02-2008	09:53:07	0,14410080
15-02-2008	10:08:07	4,64061165	4,66285181	15-02-2008	10:08:07	0,14618319
15-02-2008	10:23:07	4,61753273	4,62047005	15-02-2008	10:23:07	0,12869118
15-02-2008	10:38:07	4,57934666	4,58648014	15-02-2008	10:38:07	0,13368890
15-02-2008	10:53:07	4,53276873	4,53780413	15-02-2008	10:53:07	0,14410080
15-02-2008	11:08:08	4,48451233	4,48954773	15-02-2008	11:08:08	0,15659508
15-02-2008	11:23:08	4,41233683	4,41149759	15-02-2008	11:23:08	0,16284224
15-02-2008	11:38:08	4,33470678	4,33512640	15-02-2008	11:38:08	0,24113978

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15-02-2008	12:08:08	4,18909740	4,19581127	15-02-2008	12:08:08	0,35775313
15-02-2008	12:23:08	4,11146688	4,11398458	15-02-2008	12:23:08	0,41855869
15-02-2008	12:38:08	4,04558611	4,05020237	15-02-2008	12:38:08	0,47603241
15-02-2008	12:53:08	3,98264265	3,98683929	15-02-2008	12:53:08	0,52267778
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15-02-2008	13:23:08	3,76569772	3,74387717	15-02-2008	13:23:08	0,66594559
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15-02-2008	14:23:08	3,40524125	3,41405368	15-02-2008	14:23:08	0,96206033
15-02-2008	14:38:08	3,41615176	3,42496371	15-02-2008	14:38:08	1,02369869
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15-02-2008	15:08:08	3,42832088	3,43755245	15-02-2008	15:08:08	1,19445407
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15-02-2008	15:53:08	3,40314317	3,41027713	15-02-2008	15:53:08	1,38936496
15-02-2008	16:08:08	3,38845658	3,39726853	15-02-2008	16:08:08	1,43184555
15-02-2008	16:23:08	3,36705589	3,38258171	15-02-2008	16:23:08	1,47807443
15-02-2008	16:38:08	3,35908270	3,37209129	15-02-2008	16:38:08	1,56261909
15-02-2008	16:53:09	3,34607458	3,35908270	15-02-2008	16:53:09	1,68089831
15-02-2008	17:08:09	3,33600354	3,34649420	15-02-2008	17:08:09	1,78251863
15-02-2008	17:23:09	3,32928967	3,34229803	15-02-2008	17:23:09	1,89038599
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15-02-2008	17:53:09	3,08087277	3,06366849	15-02-2008	17:53:09	2,05739307
15-02-2008	18:08:09	3,07877469	3,09346151	15-02-2008	18:08:09	2,12069726
15-02-2008	18:23:09	3,09136343	3,09975576	15-02-2008	18:23:09	2,16942501
15-02-2008	18:38:09	3,10437155	3,11402297	15-02-2008	18:38:09	2,23064709
15-02-2008	18:53:09	3,12073684	3,13080812	15-02-2008	18:53:09	2,28395605
15-02-2008	19:08:09	3,19668889	3,21766996	15-02-2008	19:08:09	2,33893108
15-02-2008	19:23:09	3,39475083	3,41824985	15-02-2008	19:23:09	2,39182329
15-02-2008	19:38:09	3,60330367	3,62973976	15-02-2008	19:38:09	2,44013453
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15-02-2008	20:08:09	4,00362396	4,00740099	15-02-2008	20:08:09	2,53134298
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15-02-2008	20:53:09	3,92557430	3,91466379	15-02-2008	20:53:09	2,63921022
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15-02-2008	21:38:09	3,45979238	3,44972157	15-02-2008	21:38:09	2,72333860
15-02-2008	21:53:09	3,30872822	3,29194307	15-02-2008	21:53:09	2,74499512
15-02-2008	22:08:09	3,16731501	3,14423585	15-02-2008	22:08:09	2,76165438
15-02-2008	22:23:10	2,99023414	2,97890449	15-02-2008	22:23:10	2,78914165
15-02-2008	22:38:10	2,91218448	2,92435336	15-02-2008	22:38:10	2,83745289
15-02-2008	22:53:10	2,92896914	2,93694210	15-02-2008	22:53:10	2,88659716
15-02-2008	23:08:10	2,94575405	2,95624495	15-02-2008	23:08:10	2,93324280
15-02-2008	23:23:10	2,97135115	2,98100257	15-02-2008	23:23:10	3,03236389
15-02-2008	23:38:10	2,98603797	2,99401069	15-02-2008	23:38:10	3,13814902
15-02-2008	23:53:10	3,15262842	3,17570782	15-02-2008	23:53:10	3,10816264
16-02-2008	00:00:25	3,19459081	3,22228575	16-02-2008	00:00:25	3,09983325

Reservatório Jovim - Célula 1 (15-02-2008)
Nível (m)
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Horas

Reservatório Jovim - Célula Central (15-02-2008)
Nível (m)
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Horas

Reservatório Jovim - Célula 2 (15-02-2008)
Nível (m)
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23:53:10
Horas

RESERVATÓRIO DE JOVIM

CÉLULA 1			CÉLULA CENTRAL	CÉLULA 2		
Data	Hora	Altura (m)	Altura (m)	Data	Hora	Altura (m)
16-02-2008	00:00:25	3,19459081	3,22228575	16-02-2008	00:00:25	3,09983325
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16-02-2008	00:23:10	3,25123978	3,26844430	16-02-2008	00:23:10	3,07234550
16-02-2008	00:38:10	3,27725649	3,29446077	16-02-2008	00:38:10	3,05985141
16-02-2008	00:53:10	3,30201435	3,32341504	16-02-2008	00:53:10	3,04277587
16-02-2008	01:08:10	3,32928967	3,34649420	16-02-2008	01:08:10	3,02819920
16-02-2008	01:23:10	3,35278845	3,36999321	16-02-2008	01:23:10	3,01112366
16-02-2008	01:38:10	3,38216209	3,39307237	16-02-2008	01:38:10	2,99404812
16-02-2008	01:53:10	3,40524125	3,42244601	16-02-2008	01:53:10	2,98113728
16-02-2008	02:08:10	3,43083858	3,45014119	16-02-2008	02:08:10	2,96447849
16-02-2008	02:23:10	3,45601583	3,47993445	16-02-2008	02:23:10	2,95031834
16-02-2008	02:38:10	3,47699714	3,50301361	16-02-2008	02:38:10	2,93532515
16-02-2008	02:53:10	3,50007629	3,51979876	16-02-2008	02:53:10	2,91991520
16-02-2008	03:08:10	3,52777147	3,54539561	16-02-2008	03:08:10	2,90367270
16-02-2008	03:23:10	3,55546641	3,57518864	16-02-2008	03:23:10	2,88867950
16-02-2008	03:38:10	3,58274221	3,60456252	16-02-2008	03:38:10	2,87576890
16-02-2008	03:53:10	3,61211562	3,63435555	16-02-2008	03:53:10	2,85827684
16-02-2008	04:08:10	3,64820337	3,66372943	16-02-2008	04:08:10	2,84411669
16-02-2008	04:23:10	3,68219256	3,69939709	16-02-2008	04:23:10	2,82704115
16-02-2008	04:38:10	3,71702147	3,73758292	16-02-2008	04:38:10	2,81496358
16-02-2008	04:53:11	3,75478768	3,77534914	16-02-2008	04:53:11	2,79997039
16-02-2008	05:08:11	3,83535528	3,87857652	16-02-2008	05:08:11	2,78289485
16-02-2008	05:23:11	4,05649662	4,09468222	16-02-2008	05:23:11	2,76998401
16-02-2008	05:38:11	4,24196959	4,27847719	16-02-2008	05:38:11	2,75540733
16-02-2008	05:53:11	4,46730757	4,49794006	16-02-2008	05:53:11	2,73874807
16-02-2008	06:08:11	4,66369104	4,68802929	16-02-2008	06:08:11	2,72583747
16-02-2008	06:23:11	4,83237982	4,86091375	16-02-2008	06:23:11	2,71126080
16-02-2008	06:38:11	4,62592506	4,63977242	16-02-2008	06:38:11	2,69376874
16-02-2008	06:53:11	4,36827660	4,38590050	16-02-2008	06:53:11	2,68169093
16-02-2008	07:08:11	4,26714754	4,30533314	16-02-2008	07:08:11	2,66419888
16-02-2008	07:23:11	4,20420408	4,24029112	16-02-2008	07:23:11	2,64962220
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Reservatório Jovim - Célula Central (16-02-2008)
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Reservatório Jovim - Célula 2 (16-02-2008)
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RESERVATÓRIO DE JOVIM

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00:53:14
01:53:14
02:53:15
03:53:15
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07:53:16
08:53:16
09:53:16
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11:53:16
12:53:17
13:53:17
14:53:17
15:53:17
16:53:17
17:53:17
18:53:18
19:53:18
20:53:18
21:53:18
22:53:18
23:53:19
Horas

Reservatório Jovim - Célula Central (17-02-2008)
Nível (m)
6,0
5,0
4,0
3,0
2,0
1,0
0,0
00:00:16
00:53:14
01:53:14
02:53:15
03:53:15
04:53:15
05:53:15
06:53:15
07:53:16
08:53:16
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14:53:17
15:53:17
16:53:17
17:53:17
18:53:18
19:53:18
20:53:18
21:53:18
22:53:18
23:53:19
Horas

Reservatório Jovim - Célula 2 (17-02-2008)
Nível (m)
1,8
1,6
1,4
1,2
1,0
0,8
0,6
0,4
0,2
0,0
00:00:16
00:53:14
01:53:14
02:53:15
03:53:15
04:53:15
05:53:15
06:53:15
07:53:16
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15:53:17
16:53:17
17:53:17
18:53:18
19:53:18
20:53:18
21:53:18
22:53:18
23:53:19
Horas

RESERVATÓRIO DO ALTO DO MARQUINHO

CÉLULA 1

Data	Hora	Altura (m)
02-09-2008	00:00:01	3,31944442
02-09-2008	00:02:55	3,27314806
02-09-2008	00:17:55	3,11805558
02-09-2008	00:32:55	3,19212961
02-09-2008	00:47:55	3,39120364
02-09-2008	01:02:55	3,55324078
02-09-2008	01:17:55	3,73611116
02-09-2008	01:32:55	4,04166651
02-09-2008	01:47:55	4,53472233
02-09-2008	02:02:55	4,83101845
02-09-2008	02:17:55	5,08101845
02-09-2008	02:32:55	4,91666651
02-09-2008	02:47:55	4,78240728
02-09-2008	03:02:55	4,70833302
02-09-2008	03:17:55	4,66435194
02-09-2008	03:32:55	4,63425922
02-09-2008	03:47:55	4,61574078
02-09-2008	04:02:55	4,59722233
02-09-2008	04:17:55	4,57638884
02-09-2008	04:32:55	4,62037039
02-09-2008	04:47:55	4,90046310
02-09-2008	05:02:56	5,21990728
02-09-2008	05:17:56	5,70601845
02-09-2008	05:32:56	6,21296310
02-09-2008	05:47:56	6,64814806
02-09-2008	06:02:56	7,02314806
02-09-2008	06:17:56	7,47916651
02-09-2008	06:32:56	7,67824078
02-09-2008	06:47:56	7,53935194
02-09-2008	07:02:56	7,78240728
02-09-2008	07:17:56	7,64814806
02-09-2008	07:32:56	7,48611116
02-09-2008	07:47:56	7,43981457
02-09-2008	08:02:56	7,56250000
02-09-2008	08:17:56	7,72222233
02-09-2008	08:32:56	7,54861116
02-09-2008	08:47:56	7,64351845
02-09-2008	09:02:56	7,76851845
02-09-2008	09:17:57	7,53472233
02-09-2008	09:32:57	7,32870388
02-09-2008	09:47:57	7,10648155
02-09-2008	10:02:57	6,87731457
02-09-2008	10:17:57	6,62962961
02-09-2008	10:32:57	6,32870388
02-09-2008	10:47:57	6,02777767
02-09-2008	11:02:57	5,76620388
02-09-2008	11:17:57	5,48379612
02-09-2008	11:32:57	5,20138884

CÉLULA 2

Data	Hora	Altura (m)
02-09-2008	00:00:01	3,36805558
02-09-2008	00:02:55	3,33564806
02-09-2008	00:17:55	3,17129636
02-09-2008	00:32:55	3,28472233
02-09-2008	00:47:55	3,48148155
02-09-2008	01:02:55	3,65046310
02-09-2008	01:17:55	3,84490728
02-09-2008	01:32:55	4,09490728
02-09-2008	01:47:55	4,57638884
02-09-2008	02:02:55	4,90046310
02-09-2008	02:17:55	5,15509272
02-09-2008	02:32:55	4,90740728
02-09-2008	02:47:55	4,82638884
02-09-2008	03:02:55	4,74537039
02-09-2008	03:17:55	4,69675922
02-09-2008	03:32:55	4,66435194
02-09-2008	03:47:55	4,64583302
02-09-2008	04:02:55	4,62731457
02-09-2008	04:17:55	4,61805534
02-09-2008	04:32:55	4,65393543
02-09-2008	04:47:55	4,89583302
02-09-2008	05:02:56	5,20601845
02-09-2008	05:17:56	5,69675922
02-09-2008	05:32:56	6,24768543
02-09-2008	05:47:56	6,69907379
02-09-2008	06:02:56	7,07175922
02-09-2008	06:17:56	7,50231457
02-09-2008	06:32:56	7,65277767
02-09-2008	06:47:56	7,53472233
02-09-2008	07:02:56	7,75231457
02-09-2008	07:17:56	7,62500000
02-09-2008	07:32:56	7,50925922
02-09-2008	07:47:56	7,46527767
02-09-2008	08:02:56	7,56018543
02-09-2008	08:17:56	7,68981457
02-09-2008	08:32:56	7,52083349
02-09-2008	08:47:56	7,63657379
02-09-2008	09:02:56	7,74537039
02-09-2008	09:17:57	7,50231457
02-09-2008	09:32:57	7,29629612
02-09-2008	09:47:57	7,07638884
02-09-2008	10:02:57	6,85416651
02-09-2008	10:17:57	6,60648155
02-09-2008	10:32:57	6,30555534
02-09-2008	10:47:57	6,00694466
02-09-2008	11:02:57	5,74305534
02-09-2008	11:17:57	5,45601845
02-09-2008	11:32:57	5,18287039

02-09-2008	11:47:57	5,21759272
02-09-2008	12:02:57	5,04861116
02-09-2008	12:17:57	4,83101845
02-09-2008	12:32:57	4,60879612
02-09-2008	12:47:57	4,36342573
02-09-2008	13:02:57	4,11342573
02-09-2008	13:17:57	3,86574078
02-09-2008	13:32:57	3,63888884
02-09-2008	13:47:57	3,76620364
02-09-2008	14:02:57	3,87731481
02-09-2008	14:17:57	3,97222233
02-09-2008	14:32:57	4,09953690
02-09-2008	14:47:57	4,32870388
02-09-2008	15:02:57	4,79398155
02-09-2008	15:17:58	5,04861116
02-09-2008	15:32:58	5,24074078
02-09-2008	15:47:58	5,44444466
02-09-2008	16:02:58	5,68287039
02-09-2008	16:17:58	5,90046310
02-09-2008	16:32:58	6,09953690
02-09-2008	16:47:58	6,33333349
02-09-2008	17:02:58	6,54398155
02-09-2008	17:17:58	6,78703690
02-09-2008	17:32:58	7,06250000
02-09-2008	17:47:58	6,99074078
02-09-2008	18:02:58	6,89583349
02-09-2008	18:17:58	6,81944466
02-09-2008	18:32:58	6,89120388
02-09-2008	18:47:58	7,31944466
02-09-2008	19:02:58	7,42824078
02-09-2008	19:17:58	7,11574078
02-09-2008	19:32:58	6,81018543
02-09-2008	19:47:58	6,52546310
02-09-2008	20:02:58	6,20138884
02-09-2008	20:17:58	5,87037039
02-09-2008	20:32:58	5,56481457
02-09-2008	20:47:58	5,22222233
02-09-2008	21:02:58	4,88425922
02-09-2008	21:17:58	4,58333302
02-09-2008	21:32:59	4,25694466
02-09-2008	21:47:59	3,94444442
02-09-2008	22:02:59	3,67361116
02-09-2008	22:17:59	3,75231481
02-09-2008	22:32:59	3,85416675
02-09-2008	22:47:59	3,96064806
02-09-2008	23:02:59	4,06250000
02-09-2008	23:17:59	4,08333302
02-09-2008	23:32:59	3,96296310
02-09-2008	23:47:59	3,82870364
02-10-2008	00:00:26	3,74074078

02-09-2008	11:47:57	5,24768543
02-09-2008	12:02:57	5,10185194
02-09-2008	12:17:57	4,89583302
02-09-2008	12:32:57	4,67361116
02-09-2008	12:47:57	4,43287039
02-09-2008	13:02:57	4,19907379
02-09-2008	13:17:57	3,93287039
02-09-2008	13:32:57	3,73842597
02-09-2008	13:47:57	3,87962961
02-09-2008	14:02:57	3,98611116
02-09-2008	14:17:57	4,09722233
02-09-2008	14:32:57	4,20601845
02-09-2008	14:47:57	4,36574078
02-09-2008	15:02:57	4,84953690
02-09-2008	15:17:58	5,12037039
02-09-2008	15:32:58	5,32407379
02-09-2008	15:47:58	5,53240728
02-09-2008	16:02:58	5,75462961
02-09-2008	16:17:58	5,96990728
02-09-2008	16:32:58	6,18981457
02-09-2008	16:47:58	6,40509272
02-09-2008	17:02:58	6,61805534
02-09-2008	17:17:58	6,86111116
02-09-2008	17:32:58	7,10648155
02-09-2008	17:47:58	7,02314806
02-09-2008	18:02:58	6,93750000
02-09-2008	18:17:58	6,85416651
02-09-2008	18:32:58	6,92129612
02-09-2008	18:47:58	7,35416651
02-09-2008	19:02:58	7,40046310
02-09-2008	19:17:58	7,09259272
02-09-2008	19:32:58	6,79629612
02-09-2008	19:47:58	6,50231457
02-09-2008	20:02:58	6,17361116
02-09-2008	20:17:58	5,84490728
02-09-2008	20:32:58	5,53703690
02-09-2008	20:47:58	5,19675922
02-09-2008	21:02:58	4,86574078
02-09-2008	21:17:58	4,56250000
02-09-2008	21:32:59	4,23611116
02-09-2008	21:47:59	3,92592597
02-09-2008	22:02:59	3,67361116
02-09-2008	22:17:59	3,76620364
02-09-2008	22:32:59	3,87731481
02-09-2008	22:47:59	3,97222233
02-09-2008	23:02:59	4,07638884
02-09-2008	23:17:59	4,10879612
02-09-2008	23:32:59	4,00694466
02-09-2008	23:47:59	3,87731481
02-10-2008	00:00:26	3,78935194

Reservatório Alto Marquinho - Célula 1 (09-02-2008)
Nível (m)
9,0
8,0
7,0
6,0
5,0
4,0
3,0
2,0
1,0
0,0
00:00:01
00:47:55
01:47:55
02:47:55
03:47:55
04:47:55
05:47:56
06:47:56
07:47:56
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14:47:57
15:47:58
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17:47:58
18:47:58
19:47:58
20:47:58
21:47:59
22:47:59
23:47:59
Horas

Reservatório Alto Marquinho - Célula 2 (09-02-2008)
Nível (m)
9,0
8,0
7,0
6,0
5,0
4,0
3,0
2,0
1,0
0,0
00:00:01
00:47:55
01:47:55
02:47:55
03:47:55
04:47:55
05:47:56
06:47:56
07:47:56
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15:47:58
16:47:58
17:47:58
18:47:58
19:47:58
20:47:58
21:47:59
22:47:59
23:47:59
Horas

RESERVATÓRIO DO ALTO DO MARQUINHO

CÉLULA 1

Data	Hora	Altura (m)
02-10-2008	00:00:26	3,74074078
02-10-2008	00:02:59	3,71759272
02-10-2008	00:17:59	3,59722233
02-10-2008	00:32:59	3,48379636
02-10-2008	00:47:59	3,40046310
02-10-2008	01:02:59	3,31250000
02-10-2008	01:17:59	3,25000000
02-10-2008	01:32:59	3,18055558
02-10-2008	01:47:59	3,11111116
02-10-2008	02:02:59	3,17129636
02-10-2008	02:17:59	3,47453690
02-10-2008	02:32:59	3,78472233
02-10-2008	02:47:59	4,10185194
02-10-2008	03:03:00	4,41435194
02-10-2008	03:18:00	4,71064806
02-10-2008	03:33:00	4,99768543
02-10-2008	03:48:00	5,29398155
02-10-2008	04:03:00	5,60185194
02-10-2008	04:18:00	5,61805534
02-10-2008	04:33:00	5,65972233
02-10-2008	04:48:00	5,72222233
02-10-2008	05:03:00	5,74537039
02-10-2008	05:18:00	5,76620388
02-10-2008	05:33:01	6,00000000
02-10-2008	05:48:01	6,27777767
02-10-2008	06:03:01	6,57870388
02-10-2008	06:18:01	6,88425922
02-10-2008	06:33:01	7,18981457
02-10-2008	06:48:01	7,40972233
02-10-2008	07:03:01	7,39351845
02-10-2008	07:18:01	7,40972233
02-10-2008	07:33:01	7,53703690
02-10-2008	07:48:01	7,42824078
02-10-2008	08:03:01	7,15509272
02-10-2008	08:18:01	7,23148155
02-10-2008	08:33:01	7,25694466
02-10-2008	08:48:01	7,33564806
02-10-2008	09:03:01	7,54861116
02-10-2008	09:18:01	7,56018543
02-10-2008	09:33:01	7,36574078
02-10-2008	09:48:01	7,14351845
02-10-2008	10:03:01	6,91435194
02-10-2008	10:18:01	6,71064806
02-10-2008	10:33:02	6,46296310
02-10-2008	10:48:02	6,20601845
02-10-2008	11:03:02	5,96527767
02-10-2008	11:18:02	5,69444466
02-10-2008	11:33:02	5,42129612

CÉLULA 2

Data	Hora	Altura (m)
02-10-2008	00:00:26	3,78935194
02-10-2008	00:02:59	3,76620364
02-10-2008	00:17:59	3,64583325
02-10-2008	00:32:59	3,52777767
02-10-2008	00:47:59	3,43750000
02-10-2008	01:02:59	3,34953690
02-10-2008	01:17:59	3,28703690
02-10-2008	01:32:59	3,20833325
02-10-2008	01:47:59	3,15277767
02-10-2008	02:02:59	3,22916675
02-10-2008	02:17:59	3,53935194
02-10-2008	02:32:59	3,85879636
02-10-2008	02:47:59	4,16666651
02-10-2008	03:03:00	4,47685194
02-10-2008	03:18:00	4,77083302
02-10-2008	03:33:00	5,05787039
02-10-2008	03:48:00	5,35185194
02-10-2008	04:03:00	5,65277767
02-10-2008	04:18:00	5,64583349
02-10-2008	04:33:00	5,67129612
02-10-2008	04:48:00	5,73842573
02-10-2008	05:03:00	5,76620388
02-10-2008	05:18:00	5,77777767
02-10-2008	05:33:01	5,99768543
02-10-2008	05:48:01	6,26388884
02-10-2008	06:03:01	6,56712961
02-10-2008	06:18:01	6,87500000
02-10-2008	06:33:01	7,17592621
02-10-2008	06:48:01	7,41898155
02-10-2008	07:03:01	7,42361116
02-10-2008	07:18:01	7,43055534
02-10-2008	07:33:01	7,54629612
02-10-2008	07:48:01	7,40046310
02-10-2008	08:03:01	7,17592621
02-10-2008	08:18:01	7,24305534
02-10-2008	08:33:01	7,27314806
02-10-2008	08:48:01	7,34027767
02-10-2008	09:03:01	7,53472233
02-10-2008	09:18:01	7,53472233
02-10-2008	09:33:01	7,34027767
02-10-2008	09:48:01	7,12037039
02-10-2008	10:03:01	6,88888884
02-10-2008	10:18:01	6,68287039
02-10-2008	10:33:02	6,43518543
02-10-2008	10:48:02	6,18055534
02-10-2008	11:03:02	5,93750000
02-10-2008	11:18:02	5,66898155
02-10-2008	11:33:02	5,39583349

02-10-2008	11:48:02	5,41898155
02-10-2008	12:03:02	5,28240728
02-10-2008	12:18:02	5,17361116
02-10-2008	12:33:02	5,17824078
02-10-2008	12:48:02	5,19675922
02-10-2008	13:03:02	5,20601845
02-10-2008	13:18:02	5,22916651
02-10-2008	13:33:02	5,23148155
02-10-2008	13:48:02	5,18287039
02-10-2008	14:03:02	5,08564806
02-10-2008	14:18:02	4,98611116
02-10-2008	14:33:02	4,90972233
02-10-2008	14:48:02	4,82407379
02-10-2008	15:03:02	4,74537039
02-10-2008	15:18:03	4,70138884
02-10-2008	15:33:03	4,95833302
02-10-2008	15:48:03	5,26388884
02-10-2008	16:03:03	5,59259272
02-10-2008	16:18:03	5,91435194
02-10-2008	16:33:03	6,22916651
02-10-2008	16:48:03	6,55555534
02-10-2008	17:03:03	6,89120388
02-10-2008	17:18:03	7,22685194
02-10-2008	17:33:03	7,43055534
02-10-2008	17:48:03	7,37500000
02-10-2008	18:03:03	7,31712961
02-10-2008	18:18:03	7,28240728
02-10-2008	18:33:03	7,34953690
02-10-2008	18:48:03	7,50000000
02-10-2008	19:03:03	7,49305534
02-10-2008	19:18:03	7,31944466
02-10-2008	19:33:03	7,10648155
02-10-2008	19:48:03	6,84953690
02-10-2008	20:03:03	6,62500000
02-10-2008	20:18:03	6,42361116
02-10-2008	20:33:03	6,23148155
02-10-2008	20:48:03	6,03935194
02-10-2008	21:03:03	5,84490728
02-10-2008	21:18:03	5,62731457
02-10-2008	21:33:04	5,37037039
02-10-2008	21:48:04	5,10416651
02-10-2008	22:03:04	4,87500000
02-10-2008	22:18:04	4,68750000
02-10-2008	22:33:04	4,47916651
02-10-2008	22:48:04	4,27546310
02-10-2008	23:03:04	4,09953690
02-10-2008	23:18:04	3,85416675
02-10-2008	23:33:04	3,60185194
02-10-2008	23:48:04	3,63888884
02-11-2008	00:00:13	3,55324078

02-10-2008	11:48:02	5,44212961
02-10-2008	12:03:02	5,33333349
02-10-2008	12:18:02	5,21990728
02-10-2008	12:33:02	5,20138884
02-10-2008	12:48:02	5,21759272
02-10-2008	13:03:02	5,24074078
02-10-2008	13:18:02	5,25462961
02-10-2008	13:33:02	5,25925922
02-10-2008	13:48:02	5,22453690
02-10-2008	14:03:02	5,12500000
02-10-2008	14:18:02	5,02083302
02-10-2008	14:33:02	4,94444466
02-10-2008	14:48:02	4,86342573
02-10-2008	15:03:02	4,78472233
02-10-2008	15:18:03	4,73611116
02-10-2008	15:33:03	5,02083302
02-10-2008	15:48:03	5,32870388
02-10-2008	16:03:03	5,65740728
02-10-2008	16:18:03	5,97685194
02-10-2008	16:33:03	6,29398155
02-10-2008	16:48:03	6,62268543
02-10-2008	17:03:03	6,94212961
02-10-2008	17:18:03	7,27314806
02-10-2008	17:33:03	7,46527767
02-10-2008	17:48:03	7,40046310
02-10-2008	18:03:03	7,34027767
02-10-2008	18:18:03	7,31250000
02-10-2008	18:33:03	7,35185194
02-10-2008	18:48:03	7,49305534
02-10-2008	19:03:03	7,46990728
02-10-2008	19:18:03	7,29398155
02-10-2008	19:33:03	7,08101845
02-10-2008	19:48:03	6,82175922
02-10-2008	20:03:03	6,59722233
02-10-2008	20:18:03	6,39814806
02-10-2008	20:33:03	6,20138884
02-10-2008	20:48:03	6,01157379
02-10-2008	21:03:03	5,81018543
02-10-2008	21:18:03	5,59953690
02-10-2008	21:33:04	5,34953690
02-10-2008	21:48:04	5,07407379
02-10-2008	22:03:04	4,87384272
02-10-2008	22:18:04	4,66203690
02-10-2008	22:33:04	4,45370388
02-10-2008	22:48:04	4,25694466
02-10-2008	23:03:04	4,07638884
02-10-2008	23:18:04	3,83564806
02-10-2008	23:33:04	3,60879636
02-10-2008	23:48:04	3,65972233
02-11-2008	00:00:13	3,59722233

Reservatório Alto Marquinho - Célula 1 (10-02-2008
Nível (m)
8,0
7,0
6,0
5,0
4,0
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15:48:03
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18:48:03
19:48:03
20:48:03
21:48:04
22:48:04
23:48:04
Horas

Reservatório Alto Marquinho - Célula 2 (10-02-2008)
Nível (m)
8,0
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6,0
5,0
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3,0
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06:48:01
07:48:01
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15:48:03
16:48:03
17:48:03
18:48:03
19:48:03
20:48:03
21:48:04
22:48:04
23:48:04
Horas

RESERVATÓRIO DO ALTO DO MARQUINHO

CÉLULA 1

Data	Hora	Altura (m)
02-11-2008	00:00:13	3,55324078
02-11-2008	00:03:04	3,53240728
02-11-2008	00:18:04	3,41203690
02-11-2008	00:33:04	3,27314806
02-11-2008	00:48:04	3,13425922
02-11-2008	01:03:04	3,01851845
02-11-2008	01:18:04	3,15046310
02-11-2008	01:33:04	3,46064806
02-11-2008	01:48:05	3,73148155
02-11-2008	02:03:05	3,74305558
02-11-2008	02:18:05	3,75462961
02-11-2008	02:33:05	3,76388884
02-11-2008	02:48:05	3,77777767
02-11-2008	03:03:05	3,78935194
02-11-2008	03:18:05	3,80092597
02-11-2008	03:33:05	3,87731481
02-11-2008	03:48:05	4,14814806
02-11-2008	04:03:05	4,44444466
02-11-2008	04:18:05	4,73842573
02-11-2008	04:33:05	5,01620388
02-11-2008	04:48:05	5,28703690
02-11-2008	05:03:05	5,43750000
02-11-2008	05:18:05	5,50694466
02-11-2008	05:33:05	5,53472233
02-11-2008	05:48:05	5,56481457
02-11-2008	06:03:05	5,63425922
02-11-2008	06:18:05	5,78472233
02-11-2008	06:33:05	6,02083349
02-11-2008	06:48:05	6,29629612
02-11-2008	07:03:05	6,66666651
02-11-2008	07:18:06	7,25925922
02-11-2008	07:33:06	7,77083349
02-11-2008	07:48:06	7,57175922
02-11-2008	08:03:06	7,38888884
02-11-2008	08:18:06	7,25462961
02-11-2008	08:33:06	7,32870388
02-11-2008	08:48:06	7,50000000
02-11-2008	09:03:06	7,65972233
02-11-2008	09:18:06	7,64120388
02-11-2008	09:33:06	7,22453690
02-11-2008	09:48:06	6,96759272
02-11-2008	10:03:06	6,77083349
02-11-2008	10:18:06	6,55555534
02-11-2008	10:33:06	6,33564806
02-11-2008	10:48:06	6,12037039
02-11-2008	11:03:06	5,86111116
02-11-2008	11:18:06	5,60648155
02-11-2008	11:33:06	5,38657379

CÉLULA 2

Data	Hora	Altura (m)
02-11-2008	00:00:13	3,59722233
02-11-2008	00:03:04	3,57638884
02-11-2008	00:18:04	3,46064806
02-11-2008	00:33:04	3,31018519
02-11-2008	00:48:04	3,18287039
02-11-2008	01:03:04	3,05555558
02-11-2008	01:18:04	3,22685194
02-11-2008	01:33:04	3,52314806
02-11-2008	01:48:05	3,76620364
02-11-2008	02:03:05	3,77777767
02-11-2008	02:18:05	3,79398155
02-11-2008	02:33:05	3,79861116
02-11-2008	02:48:05	3,81250000
02-11-2008	03:03:05	3,82870364
02-11-2008	03:18:05	3,84259272
02-11-2008	03:33:05	3,89351845
02-11-2008	03:48:05	4,14583302
02-11-2008	04:03:05	4,43287039
02-11-2008	04:18:05	4,72453690
02-11-2008	04:33:05	5,01388884
02-11-2008	04:48:05	5,28935194
02-11-2008	05:03:05	5,44907379
02-11-2008	05:18:05	5,52546310
02-11-2008	05:33:05	5,55787039
02-11-2008	05:48:05	5,58101845
02-11-2008	06:03:05	5,65046310
02-11-2008	06:18:05	5,78472233
02-11-2008	06:33:05	6,01851845
02-11-2008	06:48:05	6,28935194
02-11-2008	07:03:05	6,67592621
02-11-2008	07:18:06	7,26851845
02-11-2008	07:33:06	7,77777767
02-11-2008	07:48:06	7,56018543
02-11-2008	08:03:06	7,43055534
02-11-2008	08:18:06	7,29629612
02-11-2008	08:33:06	7,32870388
02-11-2008	08:48:06	7,49768543
02-11-2008	09:03:06	7,66435194
02-11-2008	09:18:06	7,62500000
02-11-2008	09:33:06	7,20370388
02-11-2008	09:48:06	6,94212961
02-11-2008	10:03:06	6,75231457
02-11-2008	10:18:06	6,53009272
02-11-2008	10:33:06	6,31018543
02-11-2008	10:48:06	6,09722233
02-11-2008	11:03:06	5,83796310
02-11-2008	11:18:06	5,58796310
02-11-2008	11:33:06	5,36342573

02-11-2008	11:48:06	5,08101845
02-11-2008	12:03:06	4,97916651
02-11-2008	12:18:06	4,85185194
02-11-2008	12:33:06	4,71064806
02-11-2008	12:48:06	4,57638884
02-11-2008	13:03:06	4,41898155
02-11-2008	13:18:07	4,25000000
02-11-2008	13:33:07	4,10185194
02-11-2008	13:48:07	4,28472233
02-11-2008	14:03:07	4,53472233
02-11-2008	14:18:07	4,84953690
02-11-2008	14:33:07	5,16435194
02-11-2008	14:48:07	5,48611116
02-11-2008	15:03:07	5,82407379
02-11-2008	15:18:07	6,14583349
02-11-2008	15:33:07	6,45138884
02-11-2008	15:48:07	6,81481457
02-11-2008	16:03:07	7,22453690
02-11-2008	16:18:07	7,36342621
02-11-2008	16:33:07	7,37037039
02-11-2008	16:48:07	7,32870388
02-11-2008	17:03:07	7,31712961
02-11-2008	17:18:07	7,34953690
02-11-2008	17:33:07	7,38657379
02-11-2008	17:48:07	7,39583349
02-11-2008	18:03:07	7,35185194
02-11-2008	18:18:07	7,35879612
02-11-2008	18:33:07	7,46990728
02-11-2008	18:50:18	7,32870388
02-11-2008	19:05:18	7,06944466
02-11-2008	19:20:18	6,83333349
02-11-2008	19:35:45	6,57638884
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02-11-2008	20:36:47	5,51157379
02-11-2008	20:51:47	5,24074078
02-11-2008	21:06:47	4,94675922
02-11-2008	21:21:47	4,64351845
02-11-2008	21:36:47	4,37731457
02-11-2008	21:51:47	4,10648155
02-11-2008	22:06:47	3,84490728
02-11-2008	22:21:47	3,70601845
02-11-2008	22:36:47	3,82870364
02-11-2008	22:51:47	3,92592597
02-11-2008	23:06:47	4,06712961
02-11-2008	23:21:47	4,18981457
02-11-2008	23:36:47	4,31944466
02-11-2008	23:51:47	4,35185194
02-12-2008	00:00:03	4,30555534

02-11-2008	11:48:06	5,09259272
02-11-2008	12:03:06	5,02546310
02-11-2008	12:18:06	4,90046310
02-11-2008	12:33:06	4,75462961
02-11-2008	12:48:06	4,62268543
02-11-2008	13:03:06	4,46990728
02-11-2008	13:18:07	4,30787039
02-11-2008	13:33:07	4,16435194
02-11-2008	13:48:07	4,36805534
02-11-2008	14:03:07	4,61111116
02-11-2008	14:18:07	4,91898155
02-11-2008	14:33:07	5,22453690
02-11-2008	14:48:07	5,54629612
02-11-2008	15:03:07	5,87731457
02-11-2008	15:18:07	6,20138884
02-11-2008	15:33:07	6,51620388
02-11-2008	15:48:07	6,86342621
02-11-2008	16:03:07	7,26157379
02-11-2008	16:18:07	7,37731457
02-11-2008	16:33:07	7,39351845
02-11-2008	16:48:07	7,35416651
02-11-2008	17:03:07	7,33796310
02-11-2008	17:18:07	7,36111116
02-11-2008	17:33:07	7,40046310
02-11-2008	17:48:07	7,42129612
02-11-2008	18:03:07	7,37268543
02-11-2008	18:18:07	7,37268543
02-11-2008	18:33:07	7,47685194
02-11-2008	18:50:18	7,29629612
02-11-2008	19:05:18	7,04166651
02-11-2008	19:20:18	6,81018543
02-11-2008	19:35:45	6,55092621
02-11-2008	19:51:47	6,27314806
02-11-2008	20:06:47	6,02314806
02-11-2008	20:21:47	5,75462961
02-11-2008	20:36:47	5,48611116
02-11-2008	20:51:47	5,21064806
02-11-2008	21:06:47	4,92129612
02-11-2008	21:21:47	4,61805534
02-11-2008	21:36:47	4,34953690
02-11-2008	21:51:47	4,08564806
02-11-2008	22:06:47	3,83333325
02-11-2008	22:21:47	3,71759272
02-11-2008	22:36:47	3,84259272
02-11-2008	22:51:47	3,94675922
02-11-2008	23:06:47	4,07870388
02-11-2008	23:21:47	4,20370388
02-11-2008	23:36:47	4,34490728
02-11-2008	23:51:47	4,37962961
02-12-2008	00:00:03	4,34490728

Reservatório Alto Marquinho - Célula 1 (11-02-2008)
Nível (m)
9,0
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19:51:47
20:51:47
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22:51:47
23:51:47
Hora

Reservatório Alto Marquinho - Célula 2 (11-02-2008)
Nível (m)
9,0
8,0
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6,0
5,0
4,0
3,0
2,0
1,0
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00:00:13
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03:48:05
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05:48:05
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23:51:47
Horas

RESERVATÓRIO DO ALTO DO MARQUINHO

CÉLULA 1

Data	Hora	Altura (m)
02-12-2008	00:00:03	4,30555534
02-12-2008	00:06:48	4,28472233
02-12-2008	00:21:48	4,21759272
02-12-2008	00:36:48	4,14583302
02-12-2008	00:51:48	4,09953690
02-12-2008	01:06:48	4,06018543
02-12-2008	01:21:48	4,00925922
02-12-2008	01:36:48	3,96759272
02-12-2008	01:51:48	3,93287039
02-12-2008	02:06:48	3,88657403
02-12-2008	02:21:48	3,85416675
02-12-2008	02:36:48	3,82870364
02-12-2008	02:51:48	3,80787039
02-12-2008	03:06:48	3,79861116
02-12-2008	03:21:48	3,98379636
02-12-2008	03:36:48	4,34027767
02-12-2008	03:51:48	4,69212961
02-12-2008	04:06:48	5,15046310
02-12-2008	04:21:48	5,52314806
02-12-2008	04:36:48	5,82175922
02-12-2008	04:51:49	6,11111116
02-12-2008	05:06:49	6,36574078
02-12-2008	05:21:49	6,61805534
02-12-2008	05:36:49	6,80324078
02-12-2008	05:51:49	6,79629612
02-12-2008	06:06:49	6,74074078
02-12-2008	06:21:49	6,68750000
02-12-2008	06:36:49	6,64583349
02-12-2008	06:51:49	6,62500000
02-12-2008	07:06:49	6,79166651
02-12-2008	07:21:49	7,00694466
02-12-2008	07:36:49	7,20370388
02-12-2008	07:51:49	7,36574078
02-12-2008	08:06:49	7,52314806
02-12-2008	08:21:49	7,31944466
02-12-2008	08:36:49	7,03009272
02-12-2008	08:51:49	6,94907379
02-12-2008	09:06:49	7,10879612
02-12-2008	09:21:49	7,26157379
02-12-2008	09:36:49	7,40972233
02-12-2008	09:51:50	7,48842621
02-12-2008	10:06:50	7,21296310
02-12-2008	10:21:50	6,96759272
02-12-2008	10:36:50	6,72916651
02-12-2008	10:51:50	6,50925922
02-12-2008	11:06:50	6,31250000
02-12-2008	11:21:50	6,10185194
02-12-2008	11:36:50	5,86111116

CÉLULA 2

Data	Hora	Altura (m)
02-12-2008	00:00:03	4,34490728
02-12-2008	00:06:48	4,32175922
02-12-2008	00:21:48	4,25925922
02-12-2008	00:36:48	4,19212961
02-12-2008	00:51:48	4,14351845
02-12-2008	01:06:48	4,09722233
02-12-2008	01:21:48	4,04398155
02-12-2008	01:36:48	4,00925922
02-12-2008	01:51:48	3,97222233
02-12-2008	02:06:48	3,93287039
02-12-2008	02:21:48	3,89351845
02-12-2008	02:36:48	3,87037039
02-12-2008	02:51:48	3,85185194
02-12-2008	03:06:48	3,84490728
02-12-2008	03:21:48	4,05092573
02-12-2008	03:36:48	4,40740728
02-12-2008	03:51:48	4,75462961
02-12-2008	04:06:48	5,16435194
02-12-2008	04:21:48	5,51157379
02-12-2008	04:36:48	5,80787039
02-12-2008	04:51:49	6,10185194
02-12-2008	05:06:49	6,35879612
02-12-2008	05:21:49	6,61111116
02-12-2008	05:36:49	6,81712961
02-12-2008	05:51:49	6,83796310
02-12-2008	06:06:49	6,77546310
02-12-2008	06:21:49	6,72222233
02-12-2008	06:36:49	6,67824078
02-12-2008	06:51:49	6,65509272
02-12-2008	07:06:49	6,79861116
02-12-2008	07:21:49	7,00231457
02-12-2008	07:36:49	7,19907379
02-12-2008	07:51:49	7,37500000
02-12-2008	08:06:49	7,52546310
02-12-2008	08:21:49	7,29629612
02-12-2008	08:36:49	7,01388884
02-12-2008	08:51:49	6,95370388
02-12-2008	09:06:49	7,10879612
02-12-2008	09:21:49	7,27314806
02-12-2008	09:36:49	7,41203690
02-12-2008	09:51:50	7,47453690
02-12-2008	10:06:50	7,19212961
02-12-2008	10:21:50	6,94212961
02-12-2008	10:36:50	6,70601845
02-12-2008	10:51:50	6,48611116
02-12-2008	11:06:50	6,28472233
02-12-2008	11:21:50	6,07407379
02-12-2008	11:36:50	5,83796310

02-12-2008	11:51:50	5,58333349
02-12-2008	12:06:50	5,30092573
02-12-2008	12:21:50	5,25231457
02-12-2008	12:36:50	5,21296310
02-12-2008	12:51:50	5,05787039
02-12-2008	13:06:50	4,90046310
02-12-2008	13:21:50	4,74305534
02-12-2008	13:36:50	4,57638884
02-12-2008	13:51:50	4,43750000
02-12-2008	14:06:50	4,26157379
02-12-2008	14:21:50	4,35648155
02-12-2008	14:36:50	4,55787039
02-12-2008	14:51:50	4,73842573
02-12-2008	15:06:50	4,90740728
02-12-2008	15:21:50	5,07870388
02-12-2008	15:36:50	5,59490728
02-12-2008	15:51:50	5,91435194
02-12-2008	16:06:50	6,13425922
02-12-2008	16:21:50	6,43981457
02-12-2008	16:36:51	6,94212961
02-12-2008	16:51:51	7,40740728
02-12-2008	17:06:51	7,82638884
02-12-2008	17:21:51	7,55092621
02-12-2008	17:36:51	7,08796310
02-12-2008	17:51:51	7,05787039
02-12-2008	18:06:51	7,11805534
02-12-2008	18:21:51	7,13888884
02-12-2008	18:36:51	7,10416651
02-12-2008	18:51:51	6,87731457
02-12-2008	19:06:51	6,65509272
02-12-2008	19:21:51	6,42361116
02-12-2008	19:36:51	6,20833349
02-12-2008	19:51:51	5,92361116
02-12-2008	20:06:51	5,59259272
02-12-2008	20:21:51	5,29166651
02-12-2008	20:36:51	4,99768543
02-12-2008	20:51:51	4,73842573
02-12-2008	21:06:51	4,52314806
02-12-2008	21:21:51	4,28703690
02-12-2008	21:36:52	4,02083302
02-12-2008	21:51:52	3,75925922
02-12-2008	22:06:52	3,47453690
02-12-2008	22:21:52	3,52314806
02-12-2008	22:36:52	3,51620364
02-12-2008	22:51:52	3,36805558
02-12-2008	23:06:52	3,49305558
02-12-2008	23:21:52	3,68055558
02-12-2008	23:36:52	3,83564806
02-12-2008	23:51:52	4,00694466
03-12-2008	00:00:23	4,07870388

02-12-2008	11:51:50	5,56018543
02-12-2008	12:06:50	5,28240728
02-12-2008	12:21:50	5,27083302
02-12-2008	12:36:50	5,25462961
02-12-2008	12:51:50	5,11342573
02-12-2008	13:06:50	4,95370388
02-12-2008	13:21:50	4,78935194
02-12-2008	13:36:50	4,63888884
02-12-2008	13:51:50	4,49305534
02-12-2008	14:06:50	4,32638884
02-12-2008	14:21:50	4,44907379
02-12-2008	14:36:50	4,64583302
02-12-2008	14:51:50	4,84027767
02-12-2008	15:06:50	5,01157379
02-12-2008	15:21:50	5,17129612
02-12-2008	15:36:50	5,60648155
02-12-2008	15:51:50	5,98148155
02-12-2008	16:06:50	6,20601845
02-12-2008	16:21:50	6,49537039
02-12-2008	16:36:51	6,95833349
02-12-2008	16:51:51	7,43287039
02-12-2008	17:06:51	7,87037039
02-12-2008	17:21:51	7,53472233
02-12-2008	17:36:51	7,11574078
02-12-2008	17:51:51	7,08333349
02-12-2008	18:06:51	7,13194466
02-12-2008	18:21:51	7,15509272
02-12-2008	18:36:51	7,08564806
02-12-2008	18:51:51	6,85416651
02-12-2008	19:06:51	6,62500000
02-12-2008	19:21:51	6,40046310
02-12-2008	19:36:51	6,18055534
02-12-2008	19:51:51	5,89351845
02-12-2008	20:06:51	5,56944466
02-12-2008	20:21:51	5,27083302
02-12-2008	20:36:51	4,96990728
02-12-2008	20:51:51	4,71064806
02-12-2008	21:06:51	4,49305534
02-12-2008	21:21:51	4,25925922
02-12-2008	21:36:52	3,99537039
02-12-2008	21:51:52	3,73842597
02-12-2008	22:06:52	3,44675922
02-12-2008	22:21:52	3,55092597
02-12-2008	22:36:52	3,55555558
02-12-2008	22:51:52	3,41666675
02-12-2008	23:06:52	3,59027767
02-12-2008	23:21:52	3,78472233
02-12-2008	23:36:52	3,93981481
02-12-2008	23:51:52	4,11805534
03-12-2008	00:00:23	4,19907379

Reservatório Alto Marquinho - Célula 1 (12-02-2008)
Nível (m)
9,0
8,0
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6,0
5,0
4,0
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23:51:52
Horas

Reservatório Alto Marquinho - Célula 2 (12-02-2008)
Nível (m)
9,0
8,0
7,0
6,0
5,0
4,0
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1,0
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00:00:03
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06:51:49
07:51:49
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16:51:51
17:51:51
18:51:51
19:51:51
20:51:51
21:51:52
22:51:52
23:51:52
Horas

RESERVATÓRIO DO ALTO DO MARQUINHO

CÉLULA 1

Data	Hora	Altura (m)
13-02-2008	00:00:23	4,07870388
13-02-2008	00:06:52	4,14814806
13-02-2008	00:21:52	4,29629612
13-02-2008	00:36:52	4,46990728
13-02-2008	00:51:52	4,70833302
13-02-2008	01:06:52	5,34027767
13-02-2008	01:21:52	5,62500000
13-02-2008	01:36:52	5,87268543
13-02-2008	01:51:52	6,08101845
13-02-2008	02:06:52	6,02777767
13-02-2008	02:21:52	5,97685194
13-02-2008	02:36:52	5,92592621
13-02-2008	02:51:52	5,90740728
13-02-2008	03:06:52	6,18287039
13-02-2008	03:21:52	6,50231457
13-02-2008	03:36:52	6,80324078
13-02-2008	03:51:52	7,07407379
13-02-2008	04:06:52	7,33796310
13-02-2008	04:21:52	7,56944466
13-02-2008	04:36:52	7,42129612
13-02-2008	04:51:52	7,27777767
13-02-2008	05:06:53	7,13425922
13-02-2008	05:21:53	7,08796310
13-02-2008	05:36:53	7,24768543
13-02-2008	05:51:53	7,22685194
13-02-2008	06:06:53	7,21296310
13-02-2008	06:21:53	7,19907379
13-02-2008	06:36:53	7,17592621
13-02-2008	06:51:53	7,16203690
13-02-2008	07:06:53	7,13425922
13-02-2008	07:21:53	7,31250000
13-02-2008	07:36:53	7,53472233
13-02-2008	07:51:53	7,41203690
13-02-2008	08:06:53	7,31712961
13-02-2008	08:21:53	7,15046310
13-02-2008	08:36:53	6,94907379
13-02-2008	08:51:53	6,92129612
13-02-2008	09:06:53	7,19907379
13-02-2008	09:21:53	7,60879612
13-02-2008	09:36:53	7,53703690
13-02-2008	09:51:54	7,22222233
13-02-2008	10:06:54	6,89814806
13-02-2008	10:21:54	6,68287039
13-02-2008	10:36:54	6,43287039
13-02-2008	10:51:54	6,20138884
13-02-2008	11:06:54	6,01851845
13-02-2008	11:21:54	5,82175922
13-02-2008	11:36:54	5,64120388

CÉLULA 2

Data	Hora	Altura (m)
13-02-2008	00:00:23	4,19907379
13-02-2008	00:06:52	4,26388884
13-02-2008	00:21:52	4,41203690
13-02-2008	00:36:52	4,57407379
13-02-2008	00:51:52	4,76620388
13-02-2008	01:06:52	5,37500000
13-02-2008	01:21:52	5,69675922
13-02-2008	01:36:52	5,95138884
13-02-2008	01:51:52	6,12731457
13-02-2008	02:06:52	6,06481457
13-02-2008	02:21:52	6,01851845
13-02-2008	02:36:52	5,96296310
13-02-2008	02:51:52	5,92824078
13-02-2008	03:06:52	6,16898155
13-02-2008	03:21:52	6,49074078
13-02-2008	03:36:52	6,79629612
13-02-2008	03:51:52	7,06250000
13-02-2008	04:06:52	7,32638884
13-02-2008	04:21:52	7,53935194
13-02-2008	04:36:52	7,39351845
13-02-2008	04:51:52	7,25000000
13-02-2008	05:06:53	7,10879612
13-02-2008	05:21:53	7,08564806
13-02-2008	05:36:53	7,25694466
13-02-2008	05:51:53	7,25694466
13-02-2008	06:06:53	7,23611116
13-02-2008	06:21:53	7,22685194
13-02-2008	06:36:53	7,20138884
13-02-2008	06:51:53	7,19212961
13-02-2008	07:06:53	7,17361116
13-02-2008	07:21:53	7,29629612
13-02-2008	07:36:53	7,50231457
13-02-2008	07:51:53	7,38425922
13-02-2008	08:06:53	7,28935194
13-02-2008	08:21:53	7,12731457
13-02-2008	08:36:53	6,93055534
13-02-2008	08:51:53	6,93055534
13-02-2008	09:06:53	7,21527767
13-02-2008	09:21:53	7,63194466
13-02-2008	09:36:53	7,57175922
13-02-2008	09:51:54	7,21527767
13-02-2008	10:06:54	6,87500000
13-02-2008	10:21:54	6,65740728
13-02-2008	10:36:54	6,41203690
13-02-2008	10:51:54	6,18055534
13-02-2008	11:06:54	5,98842621
13-02-2008	11:21:54	5,79166651
13-02-2008	11:36:54	5,61805534

13-02-2008	11:51:54	5,65740728
13-02-2008	12:06:54	5,83101845
13-02-2008	12:22:22	6,00000000
13-02-2008	12:37:59	6,15972233
13-02-2008	12:52:59	6,15740728
13-02-2008	13:07:59	6,05092621
13-02-2008	13:22:59	5,88194466
13-02-2008	13:37:59	5,68287039
13-02-2008	13:52:59	5,51157379
13-02-2008	14:07:59	5,34490728
13-02-2008	14:22:59	5,31712961
13-02-2008	14:37:59	5,57870388
13-02-2008	14:52:59	5,84259272
13-02-2008	15:07:59	6,12037039
13-02-2008	15:22:59	6,42129612
13-02-2008	15:37:59	6,46064806
13-02-2008	15:52:59	6,46064806
13-02-2008	16:07:59	6,46064806
13-02-2008	16:22:59	6,46064806
13-02-2008	16:37:59	6,45601845
13-02-2008	16:52:59	6,45601845
13-02-2008	17:08:00	6,45601845
13-02-2008	17:23:00	6,45601845
13-02-2008	17:38:00	6,44444466
13-02-2008	17:53:00	6,55324078
13-02-2008	18:08:00	6,64351845
13-02-2008	18:23:00	6,73379612
13-02-2008	18:38:00	6,86342621
13-02-2008	18:53:00	7,02546310
13-02-2008	19:08:00	6,86574078
13-02-2008	19:23:00	6,61805534
13-02-2008	19:38:00	6,36342621
13-02-2008	19:53:00	6,08796310
13-02-2008	20:08:00	5,81481457
13-02-2008	20:23:00	5,52546310
13-02-2008	20:38:00	5,22916651
13-02-2008	20:53:00	4,96296310
13-02-2008	21:08:00	4,67592573
13-02-2008	21:23:00	4,39583302
13-02-2008	21:38:01	4,02777767
13-02-2008	21:53:01	3,51157403
13-02-2008	22:08:01	3,10416675
13-02-2008	22:23:01	3,26388884
13-02-2008	22:38:01	3,44675922
13-02-2008	22:53:01	3,61574078
13-02-2008	23:08:01	3,77777767
13-02-2008	23:23:01	3,90277767
13-02-2008	23:38:01	4,05092573
13-02-2008	23:53:01	4,18750000
14-02-2008	00:00:13	4,25694466

13-02-2008	11:51:54	5,65972233
13-02-2008	12:06:54	5,83333349
13-02-2008	12:22:22	6,01157379
13-02-2008	12:37:59	6,16666651
13-02-2008	12:52:59	6,18981457
13-02-2008	13:07:59	6,09259272
13-02-2008	13:22:59	5,93518543
13-02-2008	13:37:59	5,73842573
13-02-2008	13:52:59	5,56018543
13-02-2008	14:07:59	5,39814806
13-02-2008	14:22:59	5,39583349
13-02-2008	14:37:59	5,65740728
13-02-2008	14:52:59	5,91435194
13-02-2008	15:07:59	6,18518543
13-02-2008	15:22:59	6,48379612
13-02-2008	15:37:59	6,47916651
13-02-2008	15:52:59	6,47916651
13-02-2008	16:07:59	6,47916651
13-02-2008	16:22:59	6,47916651
13-02-2008	16:37:59	6,46064806
13-02-2008	16:52:59	6,46064806
13-02-2008	17:08:00	6,46064806
13-02-2008	17:23:00	6,46064806
13-02-2008	17:38:00	6,46064806
13-02-2008	17:53:00	6,56481457
13-02-2008	18:08:00	6,65740728
13-02-2008	18:23:00	6,75000000
13-02-2008	18:38:00	6,87500000
13-02-2008	18:53:00	7,02546310
13-02-2008	19:08:00	6,84259272
13-02-2008	19:23:00	6,59722233
13-02-2008	19:38:00	6,33333349
13-02-2008	19:53:00	6,06250000
13-02-2008	20:08:00	5,78935194
13-02-2008	20:23:00	5,49537039
13-02-2008	20:38:00	5,20138884
13-02-2008	20:53:00	4,93518543
13-02-2008	21:08:00	4,65046310
13-02-2008	21:23:00	4,36805534
13-02-2008	21:38:01	4,01851845
13-02-2008	21:53:01	3,49768519
13-02-2008	22:08:01	3,16203690
13-02-2008	22:23:01	3,33564806
13-02-2008	22:38:01	3,53472233
13-02-2008	22:53:01	3,72453690
13-02-2008	23:08:01	3,87962961
13-02-2008	23:23:01	4,00925922
13-02-2008	23:38:01	4,15740728
13-02-2008	23:53:01	4,29166651
14-02-2008	00:00:13	4,36805534

Reservatório Alto Marquinho - Célula 1 (13-02-2008)
Nível (m)
8,0
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05:51:53
06:51:53
07:51:53
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14:52:59
15:52:59
16:52:59
17:53:00
18:53:00
19:53:00
20:53:00
21:53:01
22:53:01
23:53:01
Horas

Reservatório Alto Marquinho - Célula 2 (13-02-2008)
Nível (m)
9,0
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6,0
5,0
4,0
3,0
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02:51:52
03:51:52
04:51:52
05:51:53
06:51:53
07:51:53
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15:52:59
16:52:59
17:53:00
18:53:00
19:53:00
20:53:00
21:53:01
22:53:01
23:53:01
Horas

RESERVATÓRIO DO ALTO DO MARQUINHO

CÉLULA 1

Data	Hora	Altura (m)
14-02-2008	00:00:13	4,25694466
14-02-2008	00:08:01	4,31018543
14-02-2008	00:23:01	4,46527767
14-02-2008	00:38:01	4,70370388
14-02-2008	00:53:01	5,27083302
14-02-2008	01:08:01	5,56018543
14-02-2008	01:23:01	5,82175922
14-02-2008	01:38:01	6,09027767
14-02-2008	01:53:01	6,40046310
14-02-2008	02:08:01	6,71527767
14-02-2008	02:23:01	7,00231457
14-02-2008	02:38:01	7,14120388
14-02-2008	02:53:01	7,02314806
14-02-2008	03:08:02	6,85416651
14-02-2008	03:23:02	6,67129612
14-02-2008	03:38:02	6,81712961
14-02-2008	03:53:02	7,06250000
14-02-2008	04:08:02	7,28472233
14-02-2008	04:23:02	7,22453690
14-02-2008	04:38:02	6,96759272
14-02-2008	04:53:02	6,82870388
14-02-2008	05:08:02	6,70138884
14-02-2008	05:23:02	6,57175922
14-02-2008	05:38:02	6,65509272
14-02-2008	05:53:02	6,93518543
14-02-2008	06:08:02	7,19675922
14-02-2008	06:23:02	7,44444466
14-02-2008	06:38:02	7,52314806
14-02-2008	06:53:02	7,41666651
14-02-2008	07:08:02	7,26620388
14-02-2008	07:23:02	7,11805534
14-02-2008	07:38:03	7,00000000
14-02-2008	07:53:03	6,85648155
14-02-2008	08:08:03	6,70370388
14-02-2008	08:23:03	6,31944466
14-02-2008	08:38:03	6,23842621
14-02-2008	08:53:03	6,34259272
14-02-2008	09:08:03	6,50462961
14-02-2008	09:23:03	6,65740728
14-02-2008	09:38:03	6,81712961
14-02-2008	09:53:03	6,71527767
14-02-2008	10:08:03	6,47916651
14-02-2008	10:23:03	6,21296310
14-02-2008	10:38:03	5,91898155
14-02-2008	10:53:03	5,62731457
14-02-2008	11:08:03	5,37500000
14-02-2008	11:23:03	5,16203690
14-02-2008	11:38:03	4,96527767

CÉLULA 2

Data	Hora	Altura (m)
14-02-2008	00:00:13	4,36805534
14-02-2008	00:08:01	4,42361116
14-02-2008	00:23:01	4,56944466
14-02-2008	00:38:01	4,76620388
14-02-2008	00:53:01	5,31481457
14-02-2008	01:08:01	5,64814806
14-02-2008	01:23:01	5,89583349
14-02-2008	01:38:01	6,16666651
14-02-2008	01:53:01	6,47222233
14-02-2008	02:08:01	6,78240728
14-02-2008	02:23:01	7,00231457
14-02-2008	02:38:01	7,11574078
14-02-2008	02:53:01	7,00000000
14-02-2008	03:08:02	6,83333349
14-02-2008	03:23:02	6,65277767
14-02-2008	03:38:02	6,81712961
14-02-2008	03:53:02	7,05092621
14-02-2008	04:08:02	7,28935194
14-02-2008	04:23:02	7,22222233
14-02-2008	04:38:02	6,94212961
14-02-2008	04:53:02	6,80555534
14-02-2008	05:08:02	6,67129612
14-02-2008	05:23:02	6,54861116
14-02-2008	05:38:02	6,65509272
14-02-2008	05:53:02	6,93287039
14-02-2008	06:08:02	7,18981457
14-02-2008	06:23:02	7,43518543
14-02-2008	06:38:02	7,55555534
14-02-2008	06:53:02	7,46296310
14-02-2008	07:08:02	7,30787039
14-02-2008	07:23:02	7,16435194
14-02-2008	07:38:03	7,04166651
14-02-2008	07:53:03	6,90046310
14-02-2008	08:08:03	6,75694466
14-02-2008	08:23:03	6,34027767
14-02-2008	08:38:03	6,25231457
14-02-2008	08:53:03	6,35416651
14-02-2008	09:08:03	6,51388884
14-02-2008	09:23:03	6,65972233
14-02-2008	09:38:03	6,83101845
14-02-2008	09:53:03	6,69212961
14-02-2008	10:08:03	6,45601845
14-02-2008	10:23:03	6,19444466
14-02-2008	10:38:03	5,89583349
14-02-2008	10:53:03	5,60648155
14-02-2008	11:08:03	5,35185194
14-02-2008	11:23:03	5,14351845
14-02-2008	11:38:03	4,94212961

14-02-2008	11:53:03	4,80092573
14-02-2008	12:08:03	4,61574078
14-02-2008	12:23:03	4,39583302
14-02-2008	12:38:03	4,31944466
14-02-2008	12:53:03	4,27546310
14-02-2008	13:08:03	4,14814806
14-02-2008	13:23:04	4,02777767
14-02-2008	13:38:04	3,85879636
14-02-2008	13:53:04	3,68287039
14-02-2008	14:08:04	3,51851845
14-02-2008	14:23:04	3,39583325
14-02-2008	14:38:04	3,57638884
14-02-2008	14:53:04	3,72685194
14-02-2008	15:08:04	3,85879636
14-02-2008	15:23:04	4,00694466
14-02-2008	15:38:04	4,15277767
14-02-2008	15:53:04	4,52777767
14-02-2008	16:08:04	5,15972233
14-02-2008	16:23:04	5,56481457
14-02-2008	16:38:04	5,96527767
14-02-2008	16:53:04	6,32407379
14-02-2008	17:08:04	6,49537039
14-02-2008	17:23:04	6,72685194
14-02-2008	17:38:04	6,96527767
14-02-2008	17:53:04	7,20370388
14-02-2008	18:08:04	7,44444466
14-02-2008	18:23:04	7,49768543
14-02-2008	18:38:05	7,19675922
14-02-2008	18:53:05	6,94212961
14-02-2008	19:08:05	6,70370388
14-02-2008	19:23:05	6,47453690
14-02-2008	19:38:05	6,27546310
14-02-2008	19:53:05	6,05555534
14-02-2008	20:08:05	5,81250000
14-02-2008	20:23:05	5,54166651
14-02-2008	20:38:05	5,23148155
14-02-2008	20:53:05	4,96527767
14-02-2008	21:08:05	4,75694466
14-02-2008	21:23:05	4,46064806
14-02-2008	21:38:05	4,02083302
14-02-2008	21:53:05	3,52083325
14-02-2008	22:08:05	3,04861116
14-02-2008	22:23:05	3,20833325
14-02-2008	22:38:05	3,45370364
14-02-2008	22:53:05	3,68981481
14-02-2008	23:08:05	3,95833325
14-02-2008	23:23:06	4,20370388
14-02-2008	23:38:06	4,44212961
14-02-2008	23:53:06	4,69675922
15-02-2008	00:00:02	4,79398155

14-02-2008	11:53:03	4,77314806
14-02-2008	12:08:03	4,59259272
14-02-2008	12:23:03	4,37500000
14-02-2008	12:38:03	4,33333302
14-02-2008	12:53:03	4,32175922
14-02-2008	13:08:03	4,21296310
14-02-2008	13:23:04	4,08564806
14-02-2008	13:38:04	3,92361116
14-02-2008	13:53:04	3,75462961
14-02-2008	14:08:04	3,57407403
14-02-2008	14:23:04	3,48379636
14-02-2008	14:38:04	3,68055558
14-02-2008	14:53:04	3,83564806
14-02-2008	15:08:04	3,97222233
14-02-2008	15:23:04	4,11805534
14-02-2008	15:38:04	4,25694466
14-02-2008	15:53:04	4,53472233
14-02-2008	16:08:04	5,16435194
14-02-2008	16:23:04	5,60185194
14-02-2008	16:38:04	6,00694466
14-02-2008	16:53:04	6,34027767
14-02-2008	17:08:04	6,49537039
14-02-2008	17:23:04	6,72685194
14-02-2008	17:38:04	6,95833349
14-02-2008	17:53:04	7,19675922
14-02-2008	18:08:04	7,43287039
14-02-2008	18:23:04	7,47453690
14-02-2008	18:38:05	7,16898155
14-02-2008	18:53:05	6,92129612
14-02-2008	19:08:05	6,68287039
14-02-2008	19:23:05	6,44907379
14-02-2008	19:38:05	6,24768543
14-02-2008	19:53:05	6,03009272
14-02-2008	20:08:05	5,78935194
14-02-2008	20:23:05	5,51851845
14-02-2008	20:38:05	5,20601845
14-02-2008	20:53:05	4,94444466
14-02-2008	21:08:05	4,72453690
14-02-2008	21:23:05	4,43750000
14-02-2008	21:38:05	4,01620388
14-02-2008	21:53:05	3,50925922
14-02-2008	22:08:05	3,07175922
14-02-2008	22:23:05	3,26620364
14-02-2008	22:38:05	3,52777767
14-02-2008	22:53:05	3,77777767
14-02-2008	23:08:05	4,03703690
14-02-2008	23:23:06	4,28240728
14-02-2008	23:38:06	4,53935194
14-02-2008	23:53:06	4,78009272
15-02-2008	00:00:02	4,88657379

Reservatório Alto Marquinho - Célula 1 (14-02-2008)
Nível (m)
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20:53:05
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22:53:05
23:53:06
Horas

Reservatório Alto Marquinho - Célula 2 (14-02-2008)
Nível (m)
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06:53:02
07:53:03
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16:53:04
17:53:04
18:53:05
19:53:05
20:53:05
21:53:05
22:53:05
23:53:06
Horas

RESERVATÓRIO DO ALTO DO MARQUINHO

CÉLULA 1

Data	Hora	Altura (m)
15-02-2008	00:00:02	4,79398155
15-02-2008	00:08:06	4,93055534
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15-02-2008	00:38:06	5,41435194
15-02-2008	00:53:06	5,68055534
15-02-2008	01:08:06	5,99768543
15-02-2008	01:23:06	6,22453690
15-02-2008	01:38:06	6,16666651
15-02-2008	01:53:06	6,14814806
15-02-2008	02:08:06	6,13888884
15-02-2008	02:23:06	6,25462961
15-02-2008	02:38:06	6,52777767
15-02-2008	02:53:06	6,80324078
15-02-2008	03:08:06	7,08796310
15-02-2008	03:23:06	7,37037039
15-02-2008	03:38:06	7,59027767
15-02-2008	03:53:06	7,34027767
15-02-2008	04:08:06	7,19212961
15-02-2008	04:23:06	7,04166651
15-02-2008	04:38:06	6,91435194
15-02-2008	04:53:06	6,83101845
15-02-2008	05:08:06	6,74074078
15-02-2008	05:23:06	6,59027767
15-02-2008	05:38:06	6,57175922
15-02-2008	05:53:07	6,50925922
15-02-2008	06:08:07	6,45601845
15-02-2008	06:23:07	6,53703690
15-02-2008	06:38:07	6,82175922
15-02-2008	06:53:07	7,09953690
15-02-2008	07:08:07	7,35416651
15-02-2008	07:23:07	7,54629612
15-02-2008	07:38:07	7,50925922
15-02-2008	07:53:07	7,32407379
15-02-2008	08:08:07	7,14351845
15-02-2008	08:23:07	6,98379612
15-02-2008	08:38:07	7,13888884
15-02-2008	08:53:07	7,40972233
15-02-2008	09:08:07	7,44444466
15-02-2008	09:23:07	7,30555534
15-02-2008	09:38:07	7,16898155
15-02-2008	09:53:07	6,94212961
15-02-2008	10:08:07	6,67824078
15-02-2008	10:23:07	6,43981457
15-02-2008	10:38:07	6,19675922
15-02-2008	10:53:07	5,97222233
15-02-2008	11:08:08	5,74537039
15-02-2008	11:23:08	5,48611116
15-02-2008	11:38:08	5,22222233

CÉLULA 2

Data	Hora	Altura (m)
15-02-2008	00:00:02	4,88657379
15-02-2008	00:08:06	5,00462961
15-02-2008	00:23:06	5,25462961
15-02-2008	00:38:06	5,49074078
15-02-2008	00:53:06	5,75694466
15-02-2008	01:08:06	6,06481457
15-02-2008	01:23:06	6,27083349
15-02-2008	01:38:06	6,20601845
15-02-2008	01:53:06	6,18055534
15-02-2008	02:08:06	6,16898155
15-02-2008	02:23:06	6,24768543
15-02-2008	02:38:06	6,51620388
15-02-2008	02:53:06	6,79861116
15-02-2008	03:08:06	7,07638884
15-02-2008	03:23:06	7,35879612
15-02-2008	03:38:06	7,56712961
15-02-2008	03:53:06	7,31712961
15-02-2008	04:08:06	7,22685194
15-02-2008	04:23:06	7,02546310
15-02-2008	04:38:06	6,88888884
15-02-2008	04:53:06	6,80555534
15-02-2008	05:08:06	6,71527767
15-02-2008	05:23:06	6,56712961
15-02-2008	05:38:06	6,60185194
15-02-2008	05:53:07	6,54398155
15-02-2008	06:08:07	6,49074078
15-02-2008	06:23:07	6,53703690
15-02-2008	06:38:07	6,81712961
15-02-2008	06:53:07	7,09490728
15-02-2008	07:08:07	7,34722233
15-02-2008	07:23:07	7,54861116
15-02-2008	07:38:07	7,54861116
15-02-2008	07:53:07	7,38425922
15-02-2008	08:08:07	7,20138884
15-02-2008	08:23:07	7,03009272
15-02-2008	08:38:07	7,23148155
15-02-2008	08:53:07	7,49074078
15-02-2008	09:08:07	7,49074078
15-02-2008	09:23:07	7,35185194
15-02-2008	09:38:07	7,14351845
15-02-2008	09:53:07	6,92129612
15-02-2008	10:08:07	6,66435194
15-02-2008	10:23:07	6,41666651
15-02-2008	10:38:07	6,17361116
15-02-2008	10:53:07	5,94907379
15-02-2008	11:08:08	5,72222233
15-02-2008	11:23:08	5,46296310
15-02-2008	11:38:08	5,20138884

15-02-2008	11:53:08	4,92361116
15-02-2008	12:08:08	4,61805534
15-02-2008	12:23:08	4,34490728
15-02-2008	12:38:08	4,24537039
15-02-2008	12:53:08	4,24768543
15-02-2008	13:08:08	4,13194466
15-02-2008	13:23:08	3,94444442
15-02-2008	13:38:08	3,73842597
15-02-2008	13:53:08	3,54629636
15-02-2008	14:08:08	3,38888884
15-02-2008	14:23:08	3,54629636
15-02-2008	14:38:08	3,70370364
15-02-2008	14:53:08	3,85416675
15-02-2008	15:08:08	4,03240728
15-02-2008	15:23:08	4,20601845
15-02-2008	15:38:08	4,37962961
15-02-2008	15:53:08	4,56250000
15-02-2008	16:08:08	4,98148155
15-02-2008	16:23:08	5,64120388
15-02-2008	16:38:08	6,29861116
15-02-2008	16:53:09	6,94907379
15-02-2008	17:08:09	7,22685194
15-02-2008	17:23:09	7,28472233
15-02-2008	17:38:09	7,42824078
15-02-2008	17:53:09	7,53240728
15-02-2008	18:08:09	7,49305534
15-02-2008	18:23:09	7,43287039
15-02-2008	18:38:09	7,22453690
15-02-2008	18:53:09	6,91898155
15-02-2008	19:08:09	6,60879612
15-02-2008	19:23:09	6,27083349
15-02-2008	19:38:09	5,97453690
15-02-2008	19:53:09	5,72685194
15-02-2008	20:08:09	5,46064806
15-02-2008	20:23:09	5,17592573
15-02-2008	20:38:09	4,88425922
15-02-2008	20:53:09	4,56481457
15-02-2008	21:08:09	4,26157379
15-02-2008	21:23:09	4,01620388
15-02-2008	21:38:09	3,76388884
15-02-2008	21:53:09	3,52314806
15-02-2008	22:08:09	3,57870364
15-02-2008	22:23:10	3,49768519
15-02-2008	22:38:10	3,50000000
15-02-2008	22:53:10	3,70370364
15-02-2008	23:08:10	3,85648155
15-02-2008	23:23:10	4,02546310
15-02-2008	23:38:10	4,16666651
15-02-2008	23:53:10	4,30787039
16-02-2008	00:00:25	4,38888884

15-02-2008	11:53:08	4,90046310
15-02-2008	12:08:08	4,59722233
15-02-2008	12:23:08	4,32870388
15-02-2008	12:38:08	4,25694466
15-02-2008	12:53:08	4,29166651
15-02-2008	13:08:08	4,18750000
15-02-2008	13:23:08	4,01851845
15-02-2008	13:38:08	3,82870364
15-02-2008	13:53:08	3,62037039
15-02-2008	14:08:08	3,48379636
15-02-2008	14:23:08	3,65972233
15-02-2008	14:38:08	3,82175922
15-02-2008	14:53:08	3,96759272
15-02-2008	15:08:08	4,14351845
15-02-2008	15:23:08	4,30324078
15-02-2008	15:38:08	4,47685194
15-02-2008	15:53:08	4,66435194
15-02-2008	16:08:08	4,97916651
15-02-2008	16:23:08	5,63657379
15-02-2008	16:38:08	6,29398155
15-02-2008	16:53:09	6,94675922
15-02-2008	17:08:09	7,24768543
15-02-2008	17:23:09	7,29629612
15-02-2008	17:38:09	7,42824078
15-02-2008	17:53:09	7,54629612
15-02-2008	18:08:09	7,53240728
15-02-2008	18:23:09	7,47453690
15-02-2008	18:38:09	7,20138884
15-02-2008	18:53:09	6,89814806
15-02-2008	19:08:09	6,58564806
15-02-2008	19:23:09	6,24768543
15-02-2008	19:38:09	5,94675922
15-02-2008	19:53:09	5,69675922
15-02-2008	20:08:09	5,43287039
15-02-2008	20:23:09	5,15046310
15-02-2008	20:38:09	4,85879612
15-02-2008	20:53:09	4,54166651
15-02-2008	21:08:09	4,24074078
15-02-2008	21:23:09	3,98611116
15-02-2008	21:38:09	3,73842597
15-02-2008	21:53:09	3,49768519
15-02-2008	22:08:09	3,59722233
15-02-2008	22:23:10	3,53472233
15-02-2008	22:38:10	3,58564806
15-02-2008	22:53:10	3,79398155
15-02-2008	23:08:10	3,96759272
15-02-2008	23:23:10	4,09375000
15-02-2008	23:38:10	4,28009272
15-02-2008	23:53:10	4,43055534
16-02-2008	00:00:25	4,49305534

Reservatório Alto Marquinho - Célula 1 (15-02-2008)
Nível (m)
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07:23:07
08:38:07
09:53:07
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12:23:08
13:38:08
14:53:08
16:08:08
17:23:09
18:38:09
19:53:09
21:08:09
22:23:10
23:38:10
Horas

Reservatório Alto Marquinho - Célula 2 (15-02-2008)
Nível (m)
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7,0
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4,0
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2,0
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01:08:06
02:23:06
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04:53:06
06:08:07
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09:53:07
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13:38:08
14:53:08
16:08:08
17:23:09
18:38:09
19:53:09
21:08:09
22:23:10
23:38:10
Horas

RESERVATÓRIO DO ALTO DO MARQUINHO

CÉLULA 1

Data	Hora	Altura (m)
16-02-2008	00:00:25	4,38888884
16-02-2008	00:08:10	4,46990728
16-02-2008	00:23:10	4,60879612
16-02-2008	00:38:10	4,75925922
16-02-2008	00:53:10	4,90740728
16-02-2008	01:08:10	5,46064806
16-02-2008	01:23:10	5,77314806
16-02-2008	01:38:10	5,98842621
16-02-2008	01:53:10	6,20370388
16-02-2008	02:08:10	6,26620388
16-02-2008	02:23:10	6,19212961
16-02-2008	02:38:10	6,11342621
16-02-2008	02:53:10	5,98148155
16-02-2008	03:08:10	5,50694466
16-02-2008	03:23:10	5,03703690
16-02-2008	03:38:10	4,58101845
16-02-2008	03:53:10	4,12268543
16-02-2008	04:08:10	3,89351845
16-02-2008	04:23:10	3,99305558
16-02-2008	04:38:10	4,29398155
16-02-2008	04:53:11	4,55324078
16-02-2008	05:08:11	4,76851845
16-02-2008	05:23:11	4,98148155
16-02-2008	05:38:11	5,21759272
16-02-2008	05:53:11	5,46296310
16-02-2008	06:08:11	5,71064806
16-02-2008	06:23:11	5,95370388
16-02-2008	06:38:11	6,09027767
16-02-2008	06:53:11	6,02314806
16-02-2008	07:08:11	5,93981457
16-02-2008	07:23:11	6,10185194
16-02-2008	07:38:11	6,40046310
16-02-2008	07:53:11	6,67129612
16-02-2008	08:08:11	6,86574078
16-02-2008	08:23:11	7,03009272
16-02-2008	08:38:11	7,25462961
16-02-2008	08:53:11	7,45601845
16-02-2008	09:08:11	7,44444466
16-02-2008	09:23:11	7,22685194
16-02-2008	09:38:12	6,74074078
16-02-2008	09:53:12	6,37037039
16-02-2008	10:08:12	6,07638884
16-02-2008	10:23:12	5,83101845
16-02-2008	10:38:12	5,58796310
16-02-2008	10:53:12	5,35879612
16-02-2008	11:08:12	5,10879612
16-02-2008	11:23:12	4,84259272
16-02-2008	11:38:12	4,62037039
16-02-2008	11:53:12	4,66435194

CÉLULA 2

Data	Hora	Altura (m)
16-02-2008	00:00:25	4,49305534
16-02-2008	00:08:10	4,57407379
16-02-2008	00:23:10	4,71064806
16-02-2008	00:38:10	4,86574078
16-02-2008	00:53:10	5,00462961
16-02-2008	01:08:10	5,46296310
16-02-2008	01:23:10	5,83564806
16-02-2008	01:38:10	6,06712961
16-02-2008	01:53:10	6,28472233
16-02-2008	02:08:10	6,31018543
16-02-2008	02:23:10	6,22685194
16-02-2008	02:38:10	6,15046310
16-02-2008	02:53:10	5,98842621
16-02-2008	03:08:10	5,49074078
16-02-2008	03:23:10	5,02314806
16-02-2008	03:38:10	4,56944466
16-02-2008	03:53:10	4,11111116
16-02-2008	04:08:10	3,93287039
16-02-2008	04:23:10	4,00231457
16-02-2008	04:38:10	4,29166651
16-02-2008	04:53:11	4,56018543
16-02-2008	05:08:11	4,76620388
16-02-2008	05:23:11	4,97916651
16-02-2008	05:38:11	5,21759272
16-02-2008	05:53:11	5,45601845
16-02-2008	06:08:11	5,70370388
16-02-2008	06:23:11	5,94907379
16-02-2008	06:38:11	6,10879612
16-02-2008	06:53:11	6,06481457
16-02-2008	07:08:11	5,97685194
16-02-2008	07:23:11	6,08796310
16-02-2008	07:38:11	6,38888884
16-02-2008	07:53:11	6,66898155
16-02-2008	08:08:11	6,87500000
16-02-2008	08:23:11	7,03009272
16-02-2008	08:38:11	7,24768543
16-02-2008	08:53:11	7,45601845
16-02-2008	09:08:11	7,48611116
16-02-2008	09:23:11	7,22685194
16-02-2008	09:38:12	6,78009272
16-02-2008	09:53:12	6,37037039
16-02-2008	10:08:12	6,05092621
16-02-2008	10:23:12	5,80324078
16-02-2008	10:38:12	5,56712961
16-02-2008	10:53:12	5,33333349
16-02-2008	11:08:12	5,08101845
16-02-2008	11:23:12	4,82638884
16-02-2008	11:38:12	4,63425922
16-02-2008	11:53:12	4,68518543

16-02-2008	12:08:12	4,62037039
16-02-2008	12:23:12	4,44675922
16-02-2008	12:38:12	4,23379612
16-02-2008	12:53:12	4,04166651
16-02-2008	13:08:12	3,82870364
16-02-2008	13:23:12	3,59027767
16-02-2008	13:38:12	3,38194442
16-02-2008	13:53:12	3,48611116
16-02-2008	14:08:12	3,60879636
16-02-2008	14:23:12	3,72916675
16-02-2008	14:38:12	3,83564806
16-02-2008	14:53:12	3,95138884
16-02-2008	15:08:13	4,06250000
16-02-2008	15:23:13	4,14814806
16-02-2008	15:38:13	4,27314806
16-02-2008	15:53:13	4,36342573
16-02-2008	16:08:13	4,45833302
16-02-2008	16:23:13	4,57407379
16-02-2008	16:38:13	4,66666651
16-02-2008	16:53:13	4,76620388
16-02-2008	17:08:13	4,96296310
16-02-2008	17:23:13	5,41435194
16-02-2008	17:38:13	5,86111116
16-02-2008	17:53:13	6,33564806
16-02-2008	18:08:13	6,79861116
16-02-2008	18:23:13	7,27083349
16-02-2008	18:38:13	7,60416651
16-02-2008	18:53:13	7,27777767
16-02-2008	19:08:13	6,96759272
16-02-2008	19:23:13	6,65277767
16-02-2008	19:38:13	6,35416651
16-02-2008	19:53:13	6,10879612
16-02-2008	20:08:13	5,84722233
16-02-2008	20:23:13	5,52314806
16-02-2008	20:38:13	5,20601845
16-02-2008	20:53:13	4,87268543
16-02-2008	21:08:13	4,55787039
16-02-2008	21:23:14	4,28472233
16-02-2008	21:38:14	3,99537039
16-02-2008	21:53:14	3,70601845
16-02-2008	22:08:14	3,40740728
16-02-2008	22:23:14	3,38425922
16-02-2008	22:38:14	3,26851845
16-02-2008	22:53:14	3,12962961
16-02-2008	23:08:14	3,20833325
16-02-2008	23:23:14	3,43518519
16-02-2008	23:38:14	3,63425922
16-02-2008	23:53:14	3,82870364
17-02-2008	00:00:16	3,92592597

16-02-2008	12:08:12	4,66435194
16-02-2008	12:23:12	4,50000000
16-02-2008	12:38:12	4,29861116
16-02-2008	12:53:12	4,11111116
16-02-2008	13:08:12	3,89814806
16-02-2008	13:23:12	3,66666675
16-02-2008	13:38:12	3,46527767
16-02-2008	13:53:12	3,59953690
16-02-2008	14:08:12	3,73148155
16-02-2008	14:23:12	3,84490728
16-02-2008	14:38:12	3,94675922
16-02-2008	14:53:12	4,06481457
16-02-2008	15:08:13	4,16435194
16-02-2008	15:23:13	4,26388884
16-02-2008	15:38:13	4,38657379
16-02-2008	15:53:13	4,47916651
16-02-2008	16:08:13	4,57407379
16-02-2008	16:23:13	4,68518543
16-02-2008	16:38:13	4,76851845
16-02-2008	16:53:13	4,87500000
16-02-2008	17:08:13	5,03703690
16-02-2008	17:23:13	5,43750000
16-02-2008	17:38:13	5,89583349
16-02-2008	17:53:13	6,35416651
16-02-2008	18:08:13	6,81712961
16-02-2008	18:23:13	7,29398155
16-02-2008	18:38:13	7,61574078
16-02-2008	18:53:13	7,25462961
16-02-2008	19:08:13	6,94212961
16-02-2008	19:23:13	6,62962961
16-02-2008	19:38:13	6,33101845
16-02-2008	19:53:13	6,08101845
16-02-2008	20:08:13	5,81481457
16-02-2008	20:23:13	5,49768543
16-02-2008	20:38:13	5,18287039
16-02-2008	20:53:13	4,84259272
16-02-2008	21:08:13	4,53935194
16-02-2008	21:23:14	4,25925922
16-02-2008	21:38:14	3,97222233
16-02-2008	21:53:14	3,68287039
16-02-2008	22:08:14	3,40277767
16-02-2008	22:23:14	3,41666675
16-02-2008	22:38:14	3,31944442
16-02-2008	22:53:14	3,18287039
16-02-2008	23:08:14	3,29166675
16-02-2008	23:23:14	3,52314806
16-02-2008	23:38:14	3,72453690
16-02-2008	23:53:14	3,92824078
17-02-2008	00:00:16	4,02083302

Reservatório Alto Marquinho - Célula 1 (16-02-2008)
Nível (m)
8,0
7,0
6,0
5,0
4,0
3,0
2,0
1,0
0,0
00:00:25
00:53:10
01:53:10
02:53:10
03:53:10
04:53:11
05:53:11
06:53:11
07:53:11
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09:53:12
10:53:12
11:53:12
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14:53:12
15:53:13
16:53:13
17:53:13
18:53:13
19:53:13
20:53:13
21:53:14
22:53:14
23:53:14
Horas

Reservatório Alto Marquinho - Célula 2 (16-02-2008)
Nível (m)
8,0
7,0
6,0
5,0
4,0
3,0
2,0
1,0
0,0
00:00:25
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09:53:12
10:53:12
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15:53:13
16:53:13
17:53:13
18:53:13
19:53:13
20:53:13
21:53:14
22:53:14
23:53:14
Horas

RESERVATÓRIO DO ALTO DO MARQUINHO

CÉLULA 1

Data	Hora	Altura (m)
17-02-2008	00:00:16	3,92592597
17-02-2008	00:08:14	4,03703690
17-02-2008	00:23:14	4,20601845
17-02-2008	00:38:14	4,37500000
17-02-2008	00:53:14	4,58564806
17-02-2008	01:08:14	5,21064806
17-02-2008	01:23:14	5,28703690
17-02-2008	01:38:14	5,18750000
17-02-2008	01:53:14	5,10185194
17-02-2008	02:08:15	5,02546310
17-02-2008	02:23:15	4,96990728
17-02-2008	02:38:15	4,89814806
17-02-2008	02:53:15	4,82638884
17-02-2008	03:08:15	4,76851845
17-02-2008	03:23:15	4,70833302
17-02-2008	03:38:15	4,65046310
17-02-2008	03:53:15	4,58333302
17-02-2008	04:08:15	4,52546310
17-02-2008	04:23:15	4,47685194
17-02-2008	04:38:15	4,43287039
17-02-2008	04:53:15	4,39814806
17-02-2008	05:08:15	4,53703690
17-02-2008	05:23:15	4,81944466
17-02-2008	05:38:15	5,24537039
17-02-2008	05:53:15	5,84490728
17-02-2008	06:08:15	6,43518543
17-02-2008	06:23:15	7,04166651
17-02-2008	06:38:15	7,62731457
17-02-2008	06:53:15	7,77083349
17-02-2008	07:08:16	7,43055534
17-02-2008	07:23:16	6,97685194
17-02-2008	07:38:16	6,52777767
17-02-2008	07:53:16	6,09722233
17-02-2008	08:08:16	6,02314806
17-02-2008	08:23:16	6,22453690
17-02-2008	08:38:16	6,82638884
17-02-2008	08:53:16	7,43981457
17-02-2008	09:08:16	7,76851845
17-02-2008	09:23:16	7,71990728
17-02-2008	09:38:16	7,69907379
17-02-2008	09:53:16	7,39814806
17-02-2008	10:08:16	7,13888884
17-02-2008	10:23:16	6,88425922
17-02-2008	10:38:16	6,65972233
17-02-2008	10:53:16	6,47453690
17-02-2008	11:08:16	6,26620388
17-02-2008	11:23:16	6,02083349
17-02-2008	11:38:16	5,70833349
17-02-2008	11:53:16	5,48379612

CÉLULA 2

Data	Hora	Altura (m)
17-02-2008	00:00:16	4,02083302
17-02-2008	00:08:14	4,12268543
17-02-2008	00:23:14	4,29861116
17-02-2008	00:38:14	4,47222233
17-02-2008	00:53:14	4,66435194
17-02-2008	01:08:14	5,22222233
17-02-2008	01:23:14	5,33333349
17-02-2008	01:38:14	5,22453690
17-02-2008	01:53:14	5,13657379
17-02-2008	02:08:15	5,06250000
17-02-2008	02:23:15	5,00462961
17-02-2008	02:38:15	4,93518543
17-02-2008	02:53:15	4,86574078
17-02-2008	03:08:15	4,80555534
17-02-2008	03:23:15	4,74537039
17-02-2008	03:38:15	4,68518543
17-02-2008	03:53:15	4,62268543
17-02-2008	04:08:15	4,56944466
17-02-2008	04:23:15	4,51620388
17-02-2008	04:38:15	4,46990728
17-02-2008	04:53:15	4,43055534
17-02-2008	05:08:15	4,54166651
17-02-2008	05:23:15	4,82407379
17-02-2008	05:38:15	5,25462961
17-02-2008	05:53:15	5,84953690
17-02-2008	06:08:15	6,44444466
17-02-2008	06:23:15	7,04861116
17-02-2008	06:38:15	7,61805534
17-02-2008	06:53:15	7,74768543
17-02-2008	07:08:16	7,41666651
17-02-2008	07:23:16	6,96527767
17-02-2008	07:38:16	6,51620388
17-02-2008	07:53:16	6,07870388
17-02-2008	08:08:16	6,06250000
17-02-2008	08:23:16	6,26620388
17-02-2008	08:38:16	6,83796310
17-02-2008	08:53:16	7,44212961
17-02-2008	09:08:16	7,74305534
17-02-2008	09:23:16	7,71759272
17-02-2008	09:38:16	7,67592621
17-02-2008	09:53:16	7,37500000
17-02-2008	10:08:16	7,11574078
17-02-2008	10:23:16	6,85648155
17-02-2008	10:38:16	6,63425922
17-02-2008	10:53:16	6,44907379
17-02-2008	11:08:16	6,23842621
17-02-2008	11:23:16	6,00000000
17-02-2008	11:38:16	5,68518543
17-02-2008	11:53:16	5,49537039

17-02-2008	12:08:16	5,53703690
17-02-2008	12:23:16	5,65046310
17-02-2008	12:38:16	5,76851845
17-02-2008	12:53:17	5,82407379
17-02-2008	13:08:17	5,68750000
17-02-2008	13:23:17	5,47222233
17-02-2008	13:38:17	5,24537039
17-02-2008	13:53:17	4,99074078
17-02-2008	14:08:17	4,72453690
17-02-2008	14:23:17	4,47685194
17-02-2008	14:38:17	4,22685194
17-02-2008	14:53:17	4,18287039
17-02-2008	15:08:17	4,24537039
17-02-2008	15:23:17	4,15740728
17-02-2008	15:38:17	4,32175922
17-02-2008	15:53:17	4,51157379
17-02-2008	16:08:17	4,68518543
17-02-2008	16:23:17	4,90509272
17-02-2008	16:38:17	5,16203690
17-02-2008	16:53:17	5,59259272
17-02-2008	17:08:17	6,12268543
17-02-2008	17:23:17	6,65740728
17-02-2008	17:38:17	6,87731457
17-02-2008	17:53:17	7,06481457
17-02-2008	18:08:17	7,26157379
17-02-2008	18:23:18	7,47685194
17-02-2008	18:38:18	7,68981457
17-02-2008	18:53:18	7,74768543
17-02-2008	19:08:18	7,53935194
17-02-2008	19:23:18	7,33101845
17-02-2008	19:38:18	7,16203690
17-02-2008	19:53:18	7,00231457
17-02-2008	20:08:18	6,84953690
17-02-2008	20:23:18	6,68287039
17-02-2008	20:38:18	6,52546310
17-02-2008	20:53:18	6,36342621
17-02-2008	21:08:18	6,16666651
17-02-2008	21:23:18	5,98611116
17-02-2008	21:38:18	5,81481457
17-02-2008	21:53:18	5,60185194
17-02-2008	22:08:18	5,37268543
17-02-2008	22:23:18	5,14351845
17-02-2008	22:38:18	5,03240728
17-02-2008	22:53:18	4,90740728
17-02-2008	23:08:18	4,79166651
17-02-2008	23:23:18	4,69212961
17-02-2008	23:38:18	4,62268543
17-02-2008	23:53:19	4,51157379
18-02-2008	00:00:04	4,46064806

17-02-2008	12:08:16	5,56018543
17-02-2008	12:23:16	5,66898155
17-02-2008	12:38:16	5,77546310
17-02-2008	12:53:17	5,84953690
17-02-2008	13:08:17	5,73842573
17-02-2008	13:23:17	5,53472233
17-02-2008	13:38:17	5,31712961
17-02-2008	13:53:17	5,06018543
17-02-2008	14:08:17	4,80092573
17-02-2008	14:23:17	4,55787039
17-02-2008	14:38:17	4,29629612
17-02-2008	14:53:17	4,18750000
17-02-2008	15:08:17	4,28703690
17-02-2008	15:23:17	4,22916651
17-02-2008	15:38:17	4,42361116
17-02-2008	15:53:17	4,60648155
17-02-2008	16:08:17	4,78472233
17-02-2008	16:23:17	4,99074078
17-02-2008	16:38:17	5,24305534
17-02-2008	16:53:17	5,60185194
17-02-2008	17:08:17	6,15740728
17-02-2008	17:23:17	6,67129612
17-02-2008	17:38:17	6,87731457
17-02-2008	17:53:17	7,07175922
17-02-2008	18:08:17	7,25694466
17-02-2008	18:23:18	7,47685194
17-02-2008	18:38:18	7,68518543
17-02-2008	18:53:18	7,72222233
17-02-2008	19:08:18	7,51388884
17-02-2008	19:23:18	7,30787039
17-02-2008	19:38:18	7,13888884
17-02-2008	19:53:18	6,97916651
17-02-2008	20:08:18	6,82638884
17-02-2008	20:23:18	6,65740728
17-02-2008	20:38:18	6,49768543
17-02-2008	20:53:18	6,33333349
17-02-2008	21:08:18	6,13888884
17-02-2008	21:23:18	5,96296310
17-02-2008	21:38:18	5,78935194
17-02-2008	21:53:18	5,57870388
17-02-2008	22:08:18	5,35185194
17-02-2008	22:23:18	5,17824078
17-02-2008	22:38:18	5,07870388
17-02-2008	22:53:18	4,96296310
17-02-2008	23:08:18	4,83796310
17-02-2008	23:23:18	4,73611116
17-02-2008	23:38:18	4,66435194
17-02-2008	23:53:19	4,56481457
18-02-2008	00:00:04	4,51851845

Reservatório Alto Marquinho - Célula 1 (17-02-2008)
Nível (m)
9,0
8,0
7,0
6,0
5,0
4,0
3,0
2,0
1,0
0,0
00:00:16
00:53:14
01:53:14
02:53:15
03:53:15
04:53:15
05:53:15
06:53:15
07:53:16
08:53:16
09:53:16
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11:53:16
12:53:17
13:53:17
14:53:17
15:53:17
16:53:17
17:53:17
18:53:18
19:53:18
20:53:18
21:53:18
22:53:18
23:53:19
Horas

Reservatório Alto Marquinho - Célula 2 (17-02-2008)
Nível (m)
9,0
8,0
7,0
6,0
5,0
4,0
3,0
2,0
1,0
0,0
00:00:16
01:08:14
02:23:15
03:38:15
04:53:15
06:08:15
07:23:16
08:38:16
09:53:16
11:08:16
12:23:16
13:38:17
14:53:17
16:08:17
17:23:17
18:38:18
19:53:18
21:08:18
22:23:18
23:38:18
Horas

ANEXO V

CONTROLOS COM CONDIÇÕES MÚLTIPLAS

```
rule 1
if system clocktime >= 0:00
and system clocktime < 7:00
then link Saida_Lagoa_2 status is closed
priority 20

rule 100
if system clocktime >= 3:10
and system clocktime < 7:00
then pump ETA_1 status is open
and pupm ETA_2 status is closed
and pump ETA_3 status is closed
priority 8

rule 110
if system clocktime >= 0:10
and system clocktime < 7:00
and tank Res_S.Alvo_1 level >= 5.00
and tank Res_S.Alvo_2 level >= 5.00
then pump ETA_1 status is closed
and pump ETA_2 status is closed
and pump ETA_3 status is closed
priority 10

rule 120
if system clocktime >= 0:10
and system clocktime < 7:00
and tank Res_S.Alvo_1 level < 0.50
and tank Res_S.Alvo_2 level < 0.50
then pump ETA_1 status is open
and pump ETA_2 status is open
and pump ETA_3 status is closed
priority 8

rule 130
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_S.Alvo_1 level >= 5.00
and tank Res_S.Alvo_2 level >= 5.00
then pump ETA_1 status is closed
and pump ETA_2 status is closed
and pump ETA_3 status is closed
priority 8

rule 140
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_S.Alvo_1 level < 2.00
and tank Res_S.Alvo_2 level < 2.00
then pump ETA_1 status is open
and pump ETA_2 status is open
and pump ETA_3 status is open
priority 8

rule 150
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_S.Alvo_1 level < 4.00
and tank Res_S.Alvo_2 level < 4.00
then pump ETA_1 status is open
and pump ETA_2 status is open
and pump ETA_3 status is closed
priority 8

rule 160
if system clocktime >= 9:00
and system clocktime < 12:10
and tank Res_S.Alvo_1 level < 1.00
```

```
and tank Res_S.Alvo_2 level < 1.00
then pump ETA_1 status is open
and pump ETA_2 status is open
and pump ETA_3 status is open
priority 8

rule 161
if system clocktime >= 9:00
and system clocktime < 12:10
and tank Res_S.Alvo_1 level < 1.50
and tank Res_S.Alvo_2 level < 1.50
then pump ETA_1 status is open
and pump ETA_2 status is open
and pump ETA_3 status is closed
priority 8

rule 162
if system clocktime >= 9:00
and system clocktime < 12:10
and tank Res_S.Alvo_1 level >= 2.00
and tank Res_S.Alvo_2 level >= 2.00
then pump ETA_1 status is closed
and pump ETA_2 status is closed
and pump ETA_3 status is closed
priority 8

rule 170
if system clocktime >= 12:10
and system clocktime < 18:00
and tank Res_S.Alvo_1 level < 4.00
and tank Res_S.Alvo_2 level < 4.00
then pump ETA_1 status is open
and pump ETA_2 status is open
and pump ETA_3 status is open
priority 8

rule 171
if system clocktime >= 12:10
and system clocktime < 18:00
and tank Res_S.Alvo_1 level >= 4.50
and tank Res_S.Alvo_2 level >= 4.50
then pump ETA_1 status is closed
and pump ETA_2 status is closed
and pump ETA_3 status is closed
priority 8

rule 172
if system clocktime >= 18:00
and system clocktime < 19:00
then pump ETA_1 status is closed
and pump ETA_2 status is closed
and pump ETA_3 status is closed
priority 20

rule 180
if system clocktime >= 18:00
and system clocktime < 21:10
and tank Res_S.Alvo_1 level >= 5.00
and tank Res_S.Alvo_2 level >= 5.00
then pump ETA_1 status is closed
and pump ETA_2 status is closed
and pump ETA_3 status is closed
priority 8

rule 181
if system clocktime >= 18:00
and system clocktime < 21:10
and tank Res_S.Alvo_1 level < 1.30
and tank Res_S.Alvo_2 level < 1.30
then pump ETA_1 status is closed
```

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and pump ETA_2 status is closed
and pump ETA_3 status is open
priority 8

rule 182
if system clocktime >= 18:00
and system clocktime < 21:10
and tank Res_S.Alvo_1 level < 1.00
and tank Res_S.Alvo_2 level < 1.00
then pump ETA_1 status is closed
and pump ETA_2 status is open
and pump ETA_3 status is open
priority 8

rule 190
if system clocktime >= 21:10
and system clocktime < 24:00
and tank Res_S.Alvo_1 level >= 4.00
and tank Res_S.Alvo_2 level >= 4.00
then pump ETA_1 status is closed
and pump ETA_2 status is closed
and pump ETA_3 status is closed
priority 8

rule 191
if system clocktime >= 21:10
and system clocktime < 24:00
and tank Res_S.Alvo_1 level < 3.00
and tank Res_S.Alvo_2 level < 3.00
then pump ETA_1 status is closed
and pump ETA_2 status is open
and pump ETA_3 status is open
priority 8

rule 200
if system clocktime >= 0:00
and system clocktime < 7:00
and tank Res_S.Alvo_1 level < 6.00
and tank Res_S.Alvo_2 level < 6.00
then pump Lagoa_1 status is open
and pump Lagoa_2 status is open
priority 10


rule 210
if system clocktime >= 0:00
and system clocktime < 7:00
and tank Res_S.Alvo_1 level >= 6.50
and tank Res_S.Alvo_2 level >= 6.50
then pump Lagoa_1 status is closed
and pump Lagoa_2 status is closed
priority 8

rule 220
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_S.Alvo_1 level < 6.00
and tank Res_S.Alvo_2 level < 6.00
then pump Lagoa_1 status is open
and pump Lagoa_2 status is open
priority 8

rule 221
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_S.Alvo_1 level >= 6.50
and tank Res_S.Alvo_2 level >= 6.50
then pump Lagoa_1 status is closed
and pump Lagoa_2 status is closed
priority 8
```

```
rule 230
if system clocktime >= 9:00
and system clocktime < 12:00
and tank Res_S.Alvo_1 level < 2.00
and tank Res_S.Alvo_2 level < 2.00
then pump Lagoa_1 status is open
and pump Lagoa_2 status is open
priority 8

rule 231
if system clocktime >= 9:00
and system clocktime < 12:00
and tank Res_S.Alvo_1 level >= 5.00
and tank Res_S.Alvo_2 level >= 5.00
then pump Lagoa_1 status is closed
and pump Lagoa_2 status is closed
priority 8

rule 240
if system clocktime >= 12:00
and system clocktime < 18:00
and tank Res_S.Alvo_1 level < 5.50
and tank Res_S.Alvo_2 level < 5.50
then pump Lagoa_1 status is open
and pump Lagoa_2 status is open
priority 8

rule 241
if system clocktime >= 12:00
and system clocktime < 18:00
and tank Res_S.Alvo_1 level >= 6.00
and tank Res_S.Alvo_2 level >= 6.00
then pump Lagoa_1 status is closed
and pump Lagoa_2 status is closed
priority 8

rule 250
if system clocktime >= 18:00
and system clocktime < 21:00
then pump Lagoa_1 status is closed
and pump Lagoa_2 status is closed
priority 6

rule 251
if system clocktime >= 18:00
and system clocktime < 21:00
and tank Res_S.Alvo_1 level >= 4.00
and tank Res_S.Alvo_2 level >= 4.00
then pump Lagoa_1 status is closed
and pump Lagoa_2 status is closed
priority 8


rule 252
if system clocktime >= 18:00
and system clocktime < 21:00
and tank Res_S.Alvo_1 level < 3.00
and tank Res_S.Alvo_2 level < 3.00
then pump Lagoa_1 status is open
and pump Lagoa_2 status is open
priority 8

rule 260
if system clocktime >= 21:00
and system clocktime < 24:00
and tank Res_S.Alvo_1 level >= 3.50
and tank Res_S.Alvo_2 level >= 3.50
then pump Lagoa_1 status is closed
and pump Lagoa_2 status is closed
```

```
priority 8

rule 261
if system clocktime >= 21:00
and system clocktime < 24:00
and tank Res_S.Alvo_1 level < 3.00
and tank Res_S.Alvo_2 level < 3.00
then pump Lagoa_1 status is closed
and pump Lagoa_2 status is open
priority 8

rule 300
if system clocktime >= 0:10
and system clocktime < 7:00
and tank Res_Lagoa_1 level >= 5.00
and tank Res_Lagoa_2 level >= 5.00
then pump ETA_4 status is closed
and pump ETA_5 status is closed
and pump ETA_6 status is closed
and pump ETA_7 status is closed
priority 10

rule 310
if system clocktime >= 0:10
and system clocktime < 7:00
then pump ETA_4 status is open
and pupm ETA_5 status is open
and pump ETA_6 status is closed
and pump ETA_7 status is closed
priority 8

rule 320
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_Lagoa_1 level < 1.00
and tank Res_Lagoa_2 level < 1.00
then pump ETA_4 status is open
and pump ETA_5 status is open
and pump ETA_6 status is open
and pump ETA_7 status is closed
priority 8

rule 321
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_Lagoa_1 level < 2.00
and tank Res_Lagoa_2 level < 2.00
then pump ETA_4 status is open
and pump ETA_5 status is open
and pump ETA_6 status is closed
and pump ETA_7 status is closed
priority 8

rule 322
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_Lagoa_1 level < 3.00
and tank Res_Lagoa_2 level < 3.00
then pump ETA_4 status is open
and pump ETA_5 status is closed
and pump ETA_6 status is closed
and pump ETA_7 status is closed
priority 8

rule 323
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_Lagoa_1 level >= 4.00
and tank Res_Lagoa_2 level >= 4.00
then pump ETA_4 status is closed
```

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and pump ETA_5 status is closed
and pump ETA_6 status is closed
and pump ETA_7 status is closed
priority 8

rule 330
if system clocktime >= 9:00
and system clocktime < 12:00
and tank Res_Lagoa_1 level < 1.00
and tank Res_Lagoa_2 level < 1.00
then pump ETA_4 status is open
and pump ETA_5 status is open
and pump ETA_6 status is open
and pump ETA_7 status is closed
priority 8

rule 331
if system clocktime >= 9:00
and system clocktime < 12:00
and tank Res_Lagoa_1 level < 1.50
and tank Res_Lagoa_2 level < 1.50
then pump ETA_4 status is open
and pump ETA_5 status is open
and pump ETA_6 status is closed
and pump ETA_7 status is closed
priority 8

rule 332
if system clocktime >= 9:00
and system clocktime < 12:00
and tank Res_Lagoa_1 level < 2.00
and tank Res_Lagoa_2 level < 2.00
then pump ETA_4 status is open
and pump ETA_5 status is closed
and pump ETA_6 status is closed
and pump ETA_7 status is closed
priority 8

rule 333
if system clocktime >= 9:00
and system clocktime < 12:00
and tank Res_Lagoa_1 level >= 3.00
and tank Res_Lagoa_2 level >= 3.00
then pump ETA_4 status is closed
and pump ETA_5 status is closed
and pump ETA_6 status is closed
and pump ETA_7 status is closed
priority 8

rule 340
if system clocktime >= 12:00
and system clocktime < 18:00
and tank Res_Lagoa_1 level < 2.00
and tank Res_Lagoa_2 level < 2.00
then pump ETA_4 status is closed
and pump ETA_5 status is closed
and pump ETA_6 status is closed
and pump ETA_7 status is open
priority 8

rule 341
if system clocktime >= 12:00
and system clocktime < 18:00
and tank Res_Lagoa_1 level >= 3.00
and tank Res_Lagoa_2 level >= 3.00
then pump ETA_4 status is closed
and pump ETA_5 status is closed
and pump ETA_6 status is closed
and pump ETA_7 status is closed
priority 8
```

```
rule 350
if system clocktime >= 18:00
and system clocktime < 21:00
and tank Res_Lagoa_1 level < 0.50
and tank Res_Lagoa_2 level < 0.50
then pump ETA_4 status is closed
and pump ETA_5 status is closed
and pump ETA_6 status is closed
and pump ETA_7 status is open
priority 8

rule 351
if system clocktime >= 18:00
and system clocktime < 21:00
and tank Res_Lagoa_1 level >= 1.00
and tank Res_Lagoa_2 level >= 1.00
then pump ETA_4 status is closed
and pump ETA_5 status is closed
and pump ETA_6 status is closed
and pump ETA_7 status is closed
priority 8

rule 360
if system clocktime >= 21:00
and system clocktime < 24:10
and tank Res_Lagoa_1 level >= 1.00
and tank Res_Lagoa_2 level >= 1.00
then pump ETA_4 status is closed
and pump ETA_5 status is closed
and pump ETA_6 status is closed
and pump ETA_7 status is closed
priority 8

rule 361
if system clocktime >= 21:00
and system clocktime < 24:10
and tank Res_Lagoa_1 level < 0.40
and tank Res_Lagoa_2 level < 0.40
then pump ETA_4 status is closed
and pump ETA_5 status is closed
and pump ETA_6 status is closed
and pump ETA_7 status is open
priority 8

rule 400
if system clocktime >= 0:00
and system clocktime < 7:00
and tank Res_Jovim_1 level >= 5.00
and tank Res_Jovim_2 level >= 5.00
and tank Res_Jovim level >= 5.00
then pump Submersível_1 status is closed
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 401
if system clocktime >= 0:10
and system clocktime < 6:50
and tank Res_Jovim_1 level < 4.50
and tank Res_Jovim_2 level < 4.50
and tank Res_Jovim level < 4.50
then pump Submersível_1 status is open
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
```

```
and pump Submersível_6 status is closed
priority 8

rule 402
if system clocktime >= 0:00
and system clocktime < 7:00
and tank Res_Jovim_1 level < 3.50
and tank Res_Jovim_2 level < 3.50
and tank Res_Jovim level < 3.50
then pump Submersível_1 status is open
and pump Submersível_2 status is open
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 403
if system clocktime >= 0:00
and system clocktime < 7:00
and tank Res_Jovim_1 level < 2.50
and tank Res_Jovim_2 level < 2.50
and tank Res_Jovim level < 2.50
then pump Submersível_1 status is open
and pump Submersível_2 status is open
and pump Submersível_3 status is open
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 404
if system clocktime >= 0:00
and system clocktime < 7:00
and tank Res_Jovim_1 level < 1.50
and tank Res_Jovim_2 level < 1.50
and tank Res_Jovim level < 1.50
then pump Submersível_1 status is open
and pump Submersível_2 status is open
and pump Submersível_3 status is open
and pump Submersível_4 status is open
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 405
if system clocktime >= 0:00
and system clocktime < 7:00
and tank Res_Jovim_1 level < 0.50
and tank Res_Jovim_2 level < 0.50
and tank Res_Jovim level < 1.50
then pump Submersível_1 status is open
and pump Submersível_2 status is open
and pump Submersível_3 status is open
and pump Submersível_4 status is open
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 410
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_Jovim_1 level < 1.00
and tank Res_Jovim_2 level < 1.00
and tank Res_Jovim level < 1.00
then pump Submersível_1 status is open
and pump Submersível_2 status is open
and pump Submersível_3 status is open
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
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```
and pump Submersível_6 status is closed
priority 8

rule 411
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_Jovim_1 level < 2.00
and tank Res_Jovim_2 level < 2.00
and tank Res_Jovim level < 2.00
then pump Submersível_1 status is open
and pump Submersível_2 status is open
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 412
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_Jovim_1 level < 3.50
and tank Res_Jovim_2 level < 3.50
and tank Res_Jovim level < 3.50
then pump Submersível_1 status is open
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 413
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_Jovim_1 level >= 3.50
and tank Res_Jovim_2 level >= 3.50
and tank Res_Jovim level >= 3.50
then pump Submersível_1 status is closed
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 420
if system clocktime >= 9:00
and system clocktime < 12:00
and tank Res_Jovim_1 level < 2.00
and tank Res_Jovim_2 level < 2.00
and tank Res_Jovim level < 2.00
then pump Submersível_1 status is open
and pump Submersível_2 status is open
and pump Submersível_3 status is open
and pump Submersível_4 status is open
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 421
if system clocktime >= 9:00
and system clocktime < 12:00
and tank Res_Jovim_1 level < 3.00
and tank Res_Jovim_2 level < 3.00
and tank Res_Jovim level < 3.00
then pump Submersível_1 status is open
and pump Submersível_2 status is open
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
```

```
and pump Submersível_6 status is closed
priority 8

rule 422
if system clocktime >= 9:00
and system clocktime < 12:00
and tank Res_Jovim_1 level >= 4.00
and tank Res_Jovim_2 level >= 4.00
and tank Res_Jovim level >= 4.00
then pump Submersível_1 status is closed
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 430
if system clocktime >= 12:00
and system clocktime < 18:00
and tank Res_Jovim_1 level < 3.00
and tank Res_Jovim_2 level < 3.00
and tank Res_Jovim level < 3.00
then pump Submersível_1 status is closed
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is open
priority 8

rule 431
if system clocktime >= 12:00
and system clocktime < 18:00
and tank Res_Jovim_1 level >= 3.00
and tank Res_Jovim_2 level >= 3.00
and tank Res_Jovim level >= 3.00
then pump Submersível_1 status is closed
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 440
if system clocktime >= 18:00
and system clocktime < 21:00
then pump Submersível_1 status is closed
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 6

rule 441
if system clocktime >= 18:00
and system clocktime < 21:00
and tank Res_Jovim_1 level < 0.50
and tank Res_Jovim_2 level < 0.50
and tank Res_Jovim level < 0.50
then pump Submersível_1 status is open
and pump Submersível_2 status is open
and pump Submersível_3 status is open
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8
```

```
rule 442
if system clocktime >= 18:00
and system clocktime < 21:00
and tank Res_Jovim_1 level < 1.00
and tank Res_Jovim_2 level < 1.00
and tank Res_Jovim level < 1.00
then pump Submersível_1 status is open
and pump Submersível_2 status is open
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 443
if system clocktime >= 18:00
and system clocktime < 21:00
and tank Res_Jovim_1 level < 2.00
and tank Res_Jovim_2 level < 2.00
and tank Res_Jovim level < 2.00
then pump Submersível_1 status is open
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 444
if system clocktime >= 18:00
and system clocktime < 21:00
and tank Res_Jovim_1 level >= 2.00
and tank Res_Jovim_2 level >= 2.00
and tank Res_Jovim level >= 2.00
then pump Submersível_1 status is closed
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8

rule 450
if system clocktime >= 21:00
and system clocktime < 24:00
and tank Res_Jovim_1 level < 3.00
and tank Res_Jovim_2 level < 3.00
and tank Res_Jovim level < 3.00
then pump Submersível_1 status is closed
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is open
priority 8

rule 451
if system clocktime >= 21:00
and system clocktime < 24:00
and tank Res_Jovim_1 level >= 3.00
and tank Res_Jovim_2 level >= 3.00
and tank Res_Jovim level >= 3.00
then pump Submersível_1 status is closed
and pump Submersível_2 status is closed
and pump Submersível_3 status is closed
and pump Submersível_4 status is closed
and pump Submersível_5 status is closed
and pump Submersível_6 status is closed
priority 8
```

```
rule 500
if system clocktime >= 7:00
and system clocktime < 9:00
then pump S.Alvo_1 status is closed
priority 20

rule 510
if system clocktime >= 0:10
and system clocktime < 4:00
then pump S.Alvo_2 status is open
priority 20

rule 511
if system clocktime >= 0:10
and system clocktime < 7:00
and tank Res_A.Marq_1 level >= 7.50
and tank Res_A.Marq_2 level >= 7.50
then pump S.Alvo_1 status is closed
and pump S.Alvo_2 status is closed
and pump S.Alvo_3 status is closed
priority 8

rule 512
if system clocktime >= 0:10
and system clocktime < 7:00
and tank Res_A.Marq_1 level < 6.00
and tank Res_A.Marq_2 level < 6.00
then pump S.Alvo_1 status is open
and pupm S.Alvo_2 status is closed
and pump S.Alvo_3 status is closed
priority 8

rule 513
if system clocktime >= 0:10
and system clocktime < 7:00
and tank Res_A.Marq_1 level < 3.50
and tank Res_A.Marq_2 level < 3.50
then pump S.Alvo_1 status is open
and pump S.Alvo_2 status is open
and pump S.Alvo_3 status is closed
priority 8

rule 520
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_A.Marq_1 level >= 5.80
and tank Res_A.Marq_2 level >= 5.80
then pump S.Alvo_1 status is closed
and pump S.Alvo_2 status is closed
and pump S.Alvo_3 status is closed
priority 8

rule 521
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_A.Marq_1 level < 5.00
and tank Res_A.Marq_2 level < 5.00
then pump S.Alvo_1 status is open
and pump S.Alvo_2 status is closed
and pump S.Alvo_3 status is closed
priority 8

rule 522
if system clocktime >= 7:00
and system clocktime < 9:00
and tank Res_A.Marq_1 level < 2.00
and tank Res_A.Marq_2 level < 2.00
then pump S.Alvo_1 status is open
and pump S.Alvo_2 status is open
and pump S.Alvo_3 status is closed
```

```
priority 8

rule 530
if system clocktime >= 9:00
and system clocktime < 12:10
and tank Res_A.Marq_1 level < 1.00
and tank Res_A.Marq_2 level < 1.00
then pump S.Alvo_1 status is open
and pump S.Alvo_2 status is closed
and pump S.Alvo_3 status is closed
priority 8

rule 531
if system clocktime >= 9:00
and system clocktime < 12:10
and tank Res_A.Marq_1 level >= 3.50
and tank Res_A.Marq_2 level >= 3.50
then pump S.Alvo_1 status is closed
and pump S.Alvo_2 status is closed
and pump S.Alvo_3 status is closed
priority 8

rule 540
if system clocktime >= 12:10
and system clocktime < 18:00
and tank Res_A.Marq_1 level < 2.00
and tank Res_A.Marq_2 level < 2.00
then pump S.Alvo_1 status is closed
and pump S.Alvo_2 status is open
and pump S.Alvo_3 status is open
priority 8

rule 541
if system clocktime >= 12:10
and system clocktime < 18:00
and tank Res_A.Marq_1 level >= 4.50
and tank Res_A.Marq_2 level >= 4.50
then pump S.Alvo_1 status is closed
and pump S.Alvo_2 status is closed
and pump S.Alvo_3 status is closed
priority 8

rule 550
if system clocktime >= 18:00
and system clocktime < 21:10
and tank Res_A.Marq_1 level >= 0.50
and tank Res_A.Marq_2 level >= 0.50
then pump S.Alvo_1 status is closed
and pump S.Alvo_2 status is closed
and pump S.Alvo_3 status is closed
priority 8


rule 551
if system clocktime >= 18:00
and system clocktime < 21:10
and tank Res_A.Marq_1 level < 0.30
and tank Res_A.Marq_2 level < 0.30
then pump S.Alvo_1 status is closed
and pump S.Alvo_2 status is closed
and pump S.Alvo_3 status is open
priority 8

rule 552
if system clocktime >= 18:00
and system clocktime < 21:10
and tank Res_A.Marq_1 level < 0.20
and tank Res_A.Marq_2 level < 0.20
then pump S.Alvo_1 status is closed
and pump S.Alvo_2 status is open
```

```
and pump S.Alvo_3 status is open
priority 8

rule 560
if system clocktime >= 21:10
and system clocktime < 24:10
and tank Res_A.Marq_1 level >= 3.00
and tank Res_A.Marq_2 level >= 3.00
then pump S.Alvo_1 status is closed
and pump S.Alvo_2 status is closed
and pump S.Alvo_3 status is closed
priority 8

rule 561
if system clocktime >= 21:10
and system clocktime < 24:10
and tank Res_A.Marq_1 level < 1.00
and tank Res_A.Marq_2 level < 1.00
then pump S.Alvo_1 status is closed
and pump S.Alvo_2 status is closed
and pump S.Alvo_3 status is open
priority 8
```