

**BROOKFIELD RENEWABLE POWER
PINEY & DEEP CREEK, LLC**

Deep Creek Hydroelectric Station

2011 Annual Report

**Maryland Department of the Environment
Water Appropriation and Use Permit No. GA1992S009(08)**

January 2012

Brookfield

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1.0 SUMMARY

Brookfield Renewable Power Piney & Deep Creek, LLC (Brookfield) holds a Water Appropriation and Use Permit (Permit), issued on June 17, 2011 (effective June 1, 2011), that provides for the continued operation of the Deep Creek Hydroelectric Station. Permit Condition 23 requires Brookfield to submit an annual report to the Maryland Department of the Environment (MDE), which includes data and information as specified in the Permit Conditions listed below:

- Lake level monitoring (Condition 15)
- Temperature monitoring (Condition 16)
- Minimum flow release monitoring (Condition 17)
- Dissolved oxygen (DO) monitoring (Condition 18)
- Releases unsuitable for whitewater recreation (Condition 19)
- Zebra mussel monitoring (Condition 21)

1.1 Lake Level Monitoring

1.1.1 End-of-Month Levels

Appendix A contains daily lake level data for 2011 in tabular and graphical format. Reservoir levels were above/below the Upper Rule Band (URB) at the end of the month as presented in Table 1.

TABLE 1
LAKE LEVEL (IN FEET) ABOVE / BELOW URB

MONTH OF YEAR	FEET ABOVE (+) or BELOW (-) URB
January	- 0.6
February	0.0
March	-0.5
April	+ 0.1
May	+ 0.1
June	-0.2
July	-1.6
August	-1.6
September	-0.5
October	-0.3
November	+0.1
December	-0.2

1.1.2 Daily Levels

The following summary describes each daily variance of the URB and Lower Rule Band (LRB). Appendix A provides a graphical and tabular summary of these daily variances. The Deep Creek Lake level did not go below the LRB in 2011; however, there were excursions above the URB as detailed below.

- The Deep Creek Lake level exceeded the URB between elevation of 2,457.9 on February 19, 20, and 22. The maximum level reached was 2458.1 on February 18, which was 0.2 foot above the URB. One unit was undergoing an annual cleaning and inspection outage during this period, and the other unit was brought on line at full power on February 18. Both units were brought on line at full power on February 19 and continued generation until the level dropped below the URB.
- The lake level was above the URB on March 1, 2, and 3, with a maximum elevation of 2458.2 on March 2. The lake level exceeded the URB again on March 7 and 8, with a maximum elevation of 2458.4 on March 8. March 11, 12, 13, and 14 also saw excursions above the URB. The maximum level for this period occurred on March 12 at 2458.9. Overall, the maximum lake level above the URB in March was 0.4 foot. These excursions are attributed to spring runoff, and both units were operated at full output for extended periods on various days during March to keep the lake level from rising too fast.
- The lake level was above the URB from April 8 through April 30. The maximum level of 2461.2 occurred on April 20 and 21, which was 0.8 foot above the URB. With 9.71 inches of rainfall in April, both units were operated at full output for extended periods on various days to control the lake level.
- Diggession above the URB started on May 1 and continued until May 21. The maximum level of 2461.6 occurred on May 19. After a short reprieve on May 23 and 23, the lake level went above the URB again on May 24 and remained above the URB until May 31. The maximum level of 2461.3 occurred on May 29 and 30, which was 0.6 foot above the URB. In addition to scheduled whitewater releases (WWRs), both units were operated at full output for extended periods on various days to control the lake level. May rainfall was 5.31 inches.

- June lake levels exceeded the URB on 1, 2, 3, 4, 6, 7, 20, 21, and 22. The maximum elevations occurred on June 1, 2, and 3 at 2461.2, which was 0.2 foot above the URB.¹
- The next variance above the URB started on November 5 and went through November 30. Maximum elevations were on November 21, 22, and 27 at 2458.7, which was 0.8 foot above the URB. This long period of departure was attributed to an outage of both units for safety repairs of the head gate at the dam intake building, turbine inlet valve seal repairs, and work on the scroll case pressure relief valves to reduce leakage. During the outage, water could not be released through the generation units. Both units were taken out of service in October and returned to service on November 17, 2011. Subsequent to operation, both units were operated at full output for extended periods on various days during November to control the lake level.
- December lake levels exceeded the URB from December 8 through 23. The maximum elevation occurred on December 12 and 13 at 2458.4 feet, which was 0.5 foot above the URB. A scheduled outage of both units occurred December 5–9 to replace the emergency batteries, and water could not be released. Snowmelt and significant rainfall also occurred that week, causing the lake level to exceed the URB. Additionally, another scheduled outage of both units occurred on December 20 to conducted tailrace flow measurements. Both units were operated at full output for extended periods on various days after the outages to control the lake level.

1.2 Temperature Monitoring

Brookfield monitored water temperature in the Youghiogheny River in accordance with the Deep Creek Station Water Temperature Enhancement Plan (approved June 8, 1996, revised September 2001 and January 2009).² The plan was designed to maintain river water temperatures below 25 degrees Celsius (°C) in the Youghiogheny River.

¹ MDE State Water Appropriation Permit No. GA1992S009(08) issued June 17, 2011, allows .3 foot excursions above the URB for periods of not more than 21 days from May through October. The URB level of 2461.0 was also extended through the end of July.

² By letter dated January 9, 2009, MDE provided Brookfield a copy of the January 2009 revision to the Deep Creek Station Youghiogheny River Water Temperature Enhancement Plan, and notified Brookfield that MDE planned to formally adopt the revised protocol on February 1, 2009. By letter dated January 30, 2009, Brookfield notified MDE that Brookfield concurred

By letters dated July 6, August 4, and September 8, 2011, Brookfield provided the MDE with dates when temperature excursions occurred at the Sang Run temperature monitoring station, and an explanation for those excursions. The primary reason for these excursions was due to the inherent unpredictability of the model. This model attempts to predict future temperatures of the Youghiogheny River, based on air temperature readings, cloud cover factor, cloud cover forecast, river flow, and actual water temperature readings. Due to the multitude of parameters used in the predictions, inherent variability in the predicted temperatures exists.

Brookfield conducted 25 specific temperature enhancement releases (TERs) in 2011. TERs occurred on June 8, 9, and 30, and a June 10 TER was fulfilled by a WWR. An audit of the July report that was previously submitted to the MDE revealed an error in the number of reported TERs. As a correction, more releases than noted occurred in July. The July TERs occurred on 3, 6, 7, 10, 12, 13, 14, 17, 19, 20, 21, 24, 26, 27, 28, and 31. Scheduled WWRs conducted on July 11, 15, 16, 18, 22, 23, 25, 29, and 30 also satisfied additional days where a TER was predicted. August TERs occurred on 2, 3, 4, 14, 17, and 18. Scheduled WWRs conducted on August 1, 5 and 20 fulfilled predicted TER requirements for these dates.³

The temperature enhancement protocol predicted a water temperature in excess of 25°C on June 1; however, a TER could not be made due to a forced unit outage. Despite the inability to make a release, the temperature did not exceed 25°C on that day. There were no temperature excursions above 25°C in June. Excursions in excess of 25°C occurred on July 3, 6, 14, 17, 20, 21, 22, and 26 even though releases were made on each of those days. Excursions in excess of 25°C occurred on August 4, 10, and 16. A TER was not predicted for August 10 or 16.

Appendix B presents the Sang Run temperature excursion dates, the duration of each excursion, an explanation for the excursion, and the maximum temperature for each date, during the period from June 1 through August 31, 2011.

with the Revised Temperature Enhancement Plan protocol and would incorporate these changes into the model for the 2009 temperature monitoring period.

³ On scheduled WWR days the Permittee is not required to run TER Protocol, unless the WWR would not occur due to low lake levels (pursuant to the MDE State Water Appropriation Permit No. GA1992S009(08) (issued June 17, 2011), Synchronization of WWR on TER).

Temperature enhancement releases satisfied by either TERs or WWR are listed below in Tables 2 and 3, respectively. Appendix B presents results of the temperature monitoring at Sang Run from June 1 through August 31, 2011 and the daily Deep Creek Station Water Temperature Enhancement Plan data prediction sheets.

TABLE 2
TEMPERATURE ENHANCEMENT PLAN RELEASE DATES & TIMES

DATE	START TIME	STOP TIME	RIVER FLOW (CFS)
June 8	12:30	17:15	59
June 9	11:00	17:00	54
June 30	14:15	15:15	80
July 3	14:00	15:00	59
July 6	14:00	18:00	106
July 7	12:30	14:30	78
July 10	12:30	14:30	72
July 12	11:00	13:15	66
July 13	12:30	14:30	58
July 14	15:30	16:30	56
July 17	12:30	14:45	32
July 19	12:30	14:30	33
July 20	12:30	14:45	36
July 21	11:00	17:00	29
July 24	11:00	13:00	48
July 26	12:45	14:45	42
July 27	11:00	13:00	38
July 28	11:00	13:00	33
July 31	11:00	13:00	35
August 2	11:45	13:00	20
August 3	11:00	13:00	24
August 4	12:30	14:30	31
August 14	14:00	15:00	41
August 17	12:30	14:30	39
August 18	12:30	14:30	29

TABLE 3
TEMPERATURE ENHANCEMENT PLAN RELEASE DATES FULFILLED BY
WHITEWATER RELEASES

DATE	START TIME	STOP TIME
June 10	11:15	14:15
July 11	11:00	14:00
July 15	11:00	14:00
July 16	11:15	14:00
July 18	11:00	14:00
July 22	11:00	16:15
July 23	11:00	17:00
July 25	11:00	14:00
July 29	11:00	14:00
July 30	11:00	14:00
August 1	11:00	14:00
August 5	11:00	14:00
August 20	11:00	14:00

1.3 Minimum Flow Release Monitoring

Brookfield operated the flow bypass in accordance with the Deep Creek Station Flow Bypass Operation Protocol (May 1995, revised September 2001). The flow bypass protocol requires Brookfield to maintain a minimum flow of 40 cubic feet per second (cfs) in the Youghiogheny River immediately downstream of the tailrace. Starting January 1 and continuing through December 31, Brookfield monitored the river flows at the Oakland gage. As required by the protocol, when calculated flows downstream of the tailrace are below 40 cfs, Brookfield may be required to open a bypass valve to release enough water to maintain 40 cfs.

Brookfield provided bypass flow to the Youghiogheny River below the project tailrace on 10 days.

The table in Appendix C summarizes flow bypass data for July through November 2011, when flows in the Youghiogheny River were less than 26 cfs. Flow data were obtained from the U.S. Geological Survey (USGS) recording at the Oakland gage, direct readings from the Oakland gage, or from the tailrace gage at the Deep Creek Station, per guidance provided in the protocol. Valve openings (see Appendix C) were determined from Table 3 of the protocol and were based on station operating status.

1.4 Dissolved Oxygen Monitoring

Brookfield operated the dissolved oxygen (DO) enhancement weir during 2011 in accordance with the Dissolved Oxygen Enhancement Operations and Monitoring Protocol approved by the MDE on January 6, 1995. In June, instantaneous DO measurements ranged from a low of 7.00 milligrams per liter (mg/L) on June 28 to a high of 9.26 mg/L on June 18. In July, instantaneous DO measurements ranged from a low of 3.60 mg/L on July 31 to a high of 7.63 mg/L on July 9. In August, instantaneous DO measurements ranged from a low of 3.13 mg/L on August 2 to a high of 6.75 mg/L on August 2. In September, instantaneous DO measurements ranged from a low of 5.08 mg/L on September 17 to a high of 7.29 mg/L on September 24. The daily average was 6.55 mg/L. All data obtained from DO monitoring in 2011 are included in Appendix D.

1.5 Releases Unsuitable for Whitewater Recreation

Permit Condition 19 outlines several operating rules designed to enhance whitewater boating opportunities in the Youghiogheny River.

Permit Condition 19.A provides a standard WWR schedule, a special WWR schedule, and a provision that allows Brookfield to combine TERs with scheduled WWR. These conditions apply from April 15 through October 15, annually.

Permit Condition 19.B provides additional operating rules that place conditions on the operations of the Deep Creek Station, based on flows at the Friendsville gage and Deep Creek Lake levels.

More specifically, Permit Condition 19.B.V allows Brookfield to employ either a “3rd Hour Regulation” or an “All Hour Regulation” approach for plant operations, in addition to the previously referenced conditions.

Additional details of these permit conditions can be found in Appendix E.

There were no releases unsuitable for whitewater recreation during 2011.

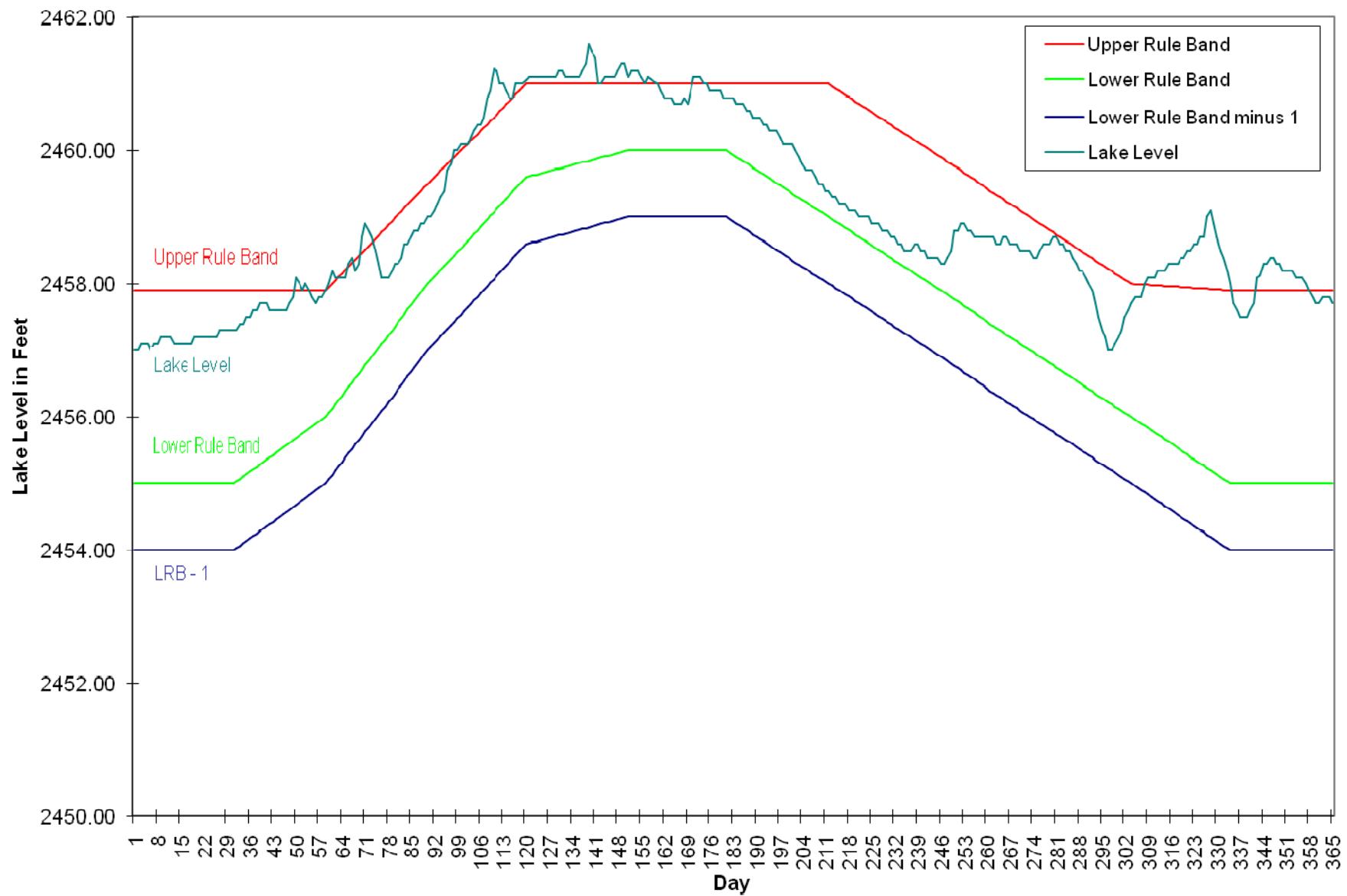
1.6 Zebra Mussel Monitoring

Artificial substrates placed at the Deep Creek Station intake area during 2011 showed no signs of zebra mussel infestation. Appendix F contains the 2011 Zebra Mussel Monitoring Report data sheets.

APPENDIX A

**DEEP CREEK LAKE LEVEL GRAPH AND
DEEP CREEK DAILY LAKE LEVEL DATA TABLES**

Deep Creek Lake Level



Deep Creek Lake Level Graph - 2011

Deep Creek Daily Lake Level 2011

Month	Day	Lake Level (feet msl)	Rainfall (inches)	Month	Day	Lake Level (feet msl)	Rainfall (inches)	Month	Day	Lake Level (feet msl)	Rainfall (inches)
Jan	1	2457.0	0.04	Feb	1	2457.3	0.51	Mar	1	2458.0	0.00
	2	2457.0	0.10		2	2457.4	0.21		2	2458.2	0.00
	3	2457.1	0.00		3	2457.4	0.00		3	2458.1	0.00
	4	2457.1	0.00		4	2457.5	0.00		4	2458.1	0.00
	5	2457.1	0.00		5	2457.5	0.60		5	2458.1	0.88
	6	2457.0	0.03		6	2457.6	0.00		6	2458.1	0.22
	7	2457.1	0.08		7	2457.6	0.10		7	2458.3	0.00
	8	2457.1	0.35		8	2457.7	0.26		8	2458.4	0.03
	9	2457.2	0.03		9	2457.7	0.00		9	2458.2	0.97
	10	2457.2	0.00		10	2457.7	0.00		10	2458.3	0.65
	11	2457.2	0.25		11	2457.6	0.00		11	2458.7	0.03
	12	2457.2	0.22		12	2457.6	0.03		12	2458.9	0.00
	13	2457.1	0.12		13	2457.6	0.00		13	2458.8	0.00
	14	2457.1	0.02		14	2457.6	0.12		14	2458.7	0.00
	15	2457.1	0.00		15	2457.6	0.00		15	2458.5	0.10
	16	2457.1	0.00		16	2457.6	0.00		16	2458.3	0.05
	17	2457.1	0.00		17	2457.7	0.00		17	2458.1	0.00
	18	2457.1	0.05		18	2457.8	0.00		18	2458.1	0.18
	19	2457.2	0.02		19	2458.1	0.00		19	2458.1	0.00
	20	2457.2	0.10		20	2458.0	0.10		20	2458.2	0.33
	21	2457.2	0.10		21	2457.9	1.47		21	2458.3	0.12
	22	2457.2	0.00		22	2458.0	0.15		22	2458.3	0.10
	23	2457.2	0.03		23	2457.9	0.00		23	2458.4	0.90
	24	2457.2	0.00		24	2457.8	0.32		24	2458.6	0.00
	25	2457.2	0.00		25	2457.7	0.95		25	2458.6	0.00
	26	2457.2	0.72		26	2457.8	0.00		26	2458.7	0.02
	27	2457.3	0.08		27	2457.8	0.20		27	2458.8	0.00
	28	2457.3	0.05		28	2457.9	0.97		28	2458.8	0.00
	29	2457.3	0.00						29	2458.9	0.00
	30	2457.3	0.00						30	2458.9	0.20
	31	2457.3	0.00						31	2459.0	0.11
Total			2.39				5.99				4.89

Deep Creek Daily Lake Level 2011

Month	Day	Lake Level (feet msl)	Rainfall (inches)	Month	Day	Lake Level (feet msl)	Rainfall (inches)	Month	Day	Lake Level (feet msl)	Rainfall (inches)
Apr	1	2459.0	0.03	May	1	2461.1	0.05	Jun	1	2461.2	0.00
	2	2459.1	0.85		2	2461.1	0.00		2	2461.2	0.00
	3	2459.2	0.02		3	2461.1	0.30		3	2461.2	0.00
	4	2459.3	0.67		4	2461.1	0.00		4	2461.1	0.25
	5	2459.4	0.33		5	2461.1	0.00		5	2461.0	0.00
	6	2459.7	0.00		6	2461.1	0.00		6	2461.1	0.00
	7	2459.8	0.00		7	2461.1	0.00		7	2461.1	0.00
	8	2460.0	0.50		8	2461.1	0.00		8	2461.0	0.00
	9	2460.0	0.00		9	2461.1	0.00		9	2461.0	1.00
	10	2460.1	0.00		10	2461.2	0.00		10	2460.9	0.03
	11	2460.1	0.00		11	2461.2	0.05		11	2460.8	0.00
	12	2460.1	0.80		12	2461.1	0.07		12	2460.8	0.00
	13	2460.2	0.15		13	2461.1	1.10		13	2460.8	0.00
	14	2460.3	0.00		14	2461.1	0.20		14	2460.7	0.00
	15	2460.4	0.00		15	2461.1	0.12		15	2460.7	0.00
	16	2460.4	1.29		16	2461.1	0.15		16	2460.7	0.85
	17	2460.5	0.25		17	2461.2	1.43		17	2460.8	0.02
	18	2460.8	0.03		18	2461.3	0.52		18	2460.7	1.18
	19	2460.9	1.75		19	2461.6	0.00		19	2460.9	0.70
	20	2461.2	0.00		20	2461.5	0.00		20	2461.1	0.25
	21	2461.2	0.00		21	2461.4	0.00		21	2461.1	0.30
	22	2461.0	0.22		22	2461.0	0.10		22	2461.1	0.00
	23	2461.0	1.13		23	2461.0	0.02		23	2461.0	0.00
	24	2460.9	0.24		24	2461.1	0.00		24	2461.0	0.00
	25	2460.8	0.06		25	2461.1	0.00		25	2460.9	0.00
	26	2460.8	0.65		26	2461.1	0.45		26	2460.9	0.00
	27	2461.0	0.37		27	2461.1	0.75		27	2460.9	0.60
	28	2461.0	0.32		28	2461.2	0.00		28	2460.9	0.00
	29	2461.0	0.05		29	2461.3	0.00		29	2460.8	0.00
	30	2461.1	0.00		30	2461.3	0.00		30	2460.8	0.00
					31	2461.1	0.00				
Total			9.71				5.31				5.18

Deep Creek Daily Lake Level 2011

Month	Day	Lake Level (feet msl)	Rainfall (inches)	Month	Day	Lake Level (feet msl)	Rainfall (inches)	Month	Day	Lake Level (feet msl)	Rainfall (inches)
Jul	1	2460.8	0.00	Aug	1	2459.3	0.00	Sep	1	2458.4	0.43
	2	2460.8	0.05		2	2459.3	0.15		2	2458.4	0.00
	3	2460.7	0.75		3	2459.2	0.30		3	2458.3	0.00
	4	2460.7	0.00		4	2459.2	0.00		4	2458.3	0.65
	5	2460.7	0.00		5	2459.2	0.00		5	2458.4	1.00
	6	2460.6	0.00		6	2459.1	0.39		6	2458.5	2.26
	7	2460.6	0.00		7	2459.1	0.09		7	2458.8	0.00
	8	2460.5	0.45		8	2459.1	0.03		8	2458.8	0.02
	9	2460.5	0.00		9	2459.0	0.39		9	2458.9	0.00
	10	2460.5	0.00		10	2459.0	0.00		10	2458.9	0.00
	11	2460.4	0.35		11	2459.0	0.00		11	2458.8	0.00
	12	2460.4	0.00		12	2459.0	0.00		12	2458.8	0.00
	13	2460.3	0.00		13	2458.9	0.91		13	2458.7	0.00
	14	2460.3	0.00		14	2458.9	0.71		14	2458.7	0.67
	15	2460.3	0.00		15	2458.9	0.40		15	2458.7	0.19
	16	2460.2	0.00		16	2458.8	0.00		16	2458.7	0.00
	17	2460.1	0.00		17	2458.8	0.00		17	2458.7	0.00
	18	2460.1	0.07		18	2458.8	0.00		18	2458.7	0.00
	19	2460.1	0.10		19	2458.7	0.12		19	2458.7	0.32
	20	2460.1	0.00		20	2458.7	0.00		20	2458.6	0.03
	21	2460.0	0.00		21	2458.6	0.50		21	2458.6	0.15
	22	2459.9	0.03		22	2458.6	0.00		22	2458.7	0.00
	23	2459.8	0.00		23	2458.5	0.00		23	2458.7	0.20
	24	2459.7	0.10		24	2458.5	0.21		24	2458.6	0.00
	25	2459.7	0.03		25	2458.5	0.91		25	2458.6	0.00
	26	2459.7	0.00		26	2458.6	0.00		26	2458.6	0.29
	27	2459.6	0.00		27	2458.6	0.13		27	2458.5	0.06
	28	2459.5	0.00		28	2458.5	0.00		28	2458.5	0.03
	29	2459.5	0.20		29	2458.5	0.00		29	2458.5	0.04
	30	2459.4	0.00		30	2458.4	0.00		30	2458.5	0.25
	31	2459.4	0.00		31	2458.4	0.00				
Total			2.13				5.24				6.59

Deep Creek Daily Lake Level 2011											
Month	Day	Lake Level (feet msl)	Rainfall (inches)	Month	Day	Lake Level (feet msl)	Rainfall (inches)	Month	Day	Lake Level (feet msl)	Rainfall (inches)
Oct	1	2458.4	1.19	Nov	1	2457.8	0.00	Dec	1	2457.7	0.00
	2	2458.4	0.56		2	2457.8	0.00		2	2457.6	0.00
	3	2458.5	0.20		3	2457.8	0.00		3	2457.5	0.00
	4	2458.6	0.06		4	2458.0	0.00		4	2457.5	0.00
	5	2458.6	0.00		5	2458.1	0.00		5	2457.5	0.15
	6	2458.6	0.00		6	2458.1	0.00		6	2457.6	0.78
	7	2458.7	0.00		7	2458.1	0.00		7	2457.7	1.16
	8	2458.7	0.00		8	2458.2	0.00		8	2458.1	0.00
	9	2458.6	0.00		9	2458.2	0.06		9	2458.1	0.00
	10	2458.6	0.00		10	2458.2	0.09		10	2458.3	0.00
	11	2458.5	0.32		11	2458.3	0.00		11	2458.3	0.00
	12	2458.5	0.11		12	2458.3	0.00		12	2458.4	0.00
	13	2458.4	0.47		13	2458.3	0.00		13	2458.4	0.00
	14	2458.3	0.43		14	2458.3	0.40		14	2458.3	0.03
	15	2458.2	0.00		15	2458.4	0.33		15	2458.3	0.42
	16	2458.2	0.70		16	2458.4	0.58		16	2458.2	0.00
	17	2458.1	0.00		17	2458.5	0.02		17	2458.2	0.05
	18	2458.0	0.00		18	2458.5	0.00		18	2458.2	0.02
	19	2457.9	0.42		19	2458.6	0.03		19	2458.2	0.10
	20	2457.7	0.24		20	2458.6	0.49		20	2458.1	0.00
	21	2457.5	0.03		21	2458.7	0.47		21	2458.1	0.10
	22	2457.3	0.00		22	2458.7	1.34		22	2458.1	0.33
	23	2457.2	0.00		23	2459.0	0.21		23	2458.0	0.07
	24	2457.0	0.24		24	2459.1	0.00		24	2457.9	0.00
	25	2457.0	0.00		25	2458.9	0.00		25	2457.8	0.00
	26	2457.1	1.30		26	2458.7	0.00		26	2457.7	0.00
	27	2457.2	0.42		27	2458.5	0.02		27	2457.7	1.03
	28	2457.3	0.50		28	2458.4	0.00		28	2457.8	0.00
	29	2457.5	0.14		29	2458.2	0.37		29	2457.8	0.00
	30	2457.6	0.00		30	2458.0	0.07		30	2457.8	0.08
	31	2457.7	0.03						31	2457.7	0.00
Total			7.36				4.48				4.32
										Year Total	63.59

**SUMMARY OF DAILY VARIANCES OF THE UPPER AND LOWER
RULE BANDS - 2011**

SUMMARY OF DAILY VARIANCES OF THE UPPER AND LOWER RULE BANDS - 2011

Date	Reservoir Level (feet)	Upper Rule Band (feet)	Lower Rule Band (feet)	Δ (feet)
February 18	2458.1	2457.9	2455.6	0.2
February 19	2458.0	2457.9	2455.7	0.1
February 22	2458.0	2457.9	2455.8	0.1
March 1	2458.0	2457.9	2456.0	0.1
March 2	2458.2	2458.0	2456.1	0.2
March 3	2458.1	2458.0	2456.1	0.1
March 7	2458.3	2458.2	2456.4	0.1
March 8	2458.4	2458.3	2456.5	0.1
March 11	2458.7	2458.4	2456.6	0.3
March 12	2458.9	2458.5	2456.7	0.4
March 13	2458.8	2458.5	2456.8	0.3
March 14	2458.7	2458.6	2456.8	0.1
April 8	2460.0	2459.9	2458.4	0.1
April 9	2460.0	2459.9	2458.4	0.1
April 10	2460.1	2460.0	2458.5	0.1
April 11	2460.1	2460.0	2458.5	0.1
April 12	2460.1	2460.0	2458.6	0.1
April 13	2460.2	2460.1	2458.6	0.1
April 14	2460.3	2460.2	2458.7	0.1
April 15	2460.4	2460.2	2458.7	0.2
April 16	2460.4	2460.3	2458.8	0.1
April 17	2460.5	2460.3	2458.9	0.2
April 18	2460.8	2460.4	2458.9	0.4
April 19	2460.9	2460.4	2459.0	0.5
April 20	2461.2	2460.5	2459.0	0.8
April 21	2461.2	2460.5	2459.1	0.7
April 22	2461.0	2460.6	2459.1	0.4
April 23	2461.0	2460.6	2459.2	0.4
April 24	2460.9	2460.7	2459.2	0.2
April 25	2460.8	2460.7	2459.3	0.1
April 26	2460.8	2460.7	2459.3	0.1
April 27	2461.0	2460.8	2459.4	0.2
April 28	2461.0	2460.9	2459.4	0.1
April 29	2461.0	2460.9	2459.5	0.1
April 30	2461.1	2461.0	2459.5	0.1
May 1	2461.1	2461.0	2459.6	0.1
May 2	2461.1	2461.0	2459.6	0.1
May 3	2461.1	2461.0	2459.6	0.1
May 4	2461.1	2461.0	2459.6	0.1
May 5	2461.1	2461.0	2459.7	0.1
May 6	2461.1	2461.0	2459.7	0.1
May 7	2461.1	2461.0	2459.7	0.1
May 8	2461.1	2461.0	2459.7	0.1
May 9	2461.1	2461.0	2459.7	0.1
May 10	2461.2	2461.0	2459.7	0.2
May 11	2461.2	2461.0	2459.7	0.2
May 12	2461.1	2461.0	2459.7	0.1
May 13	2461.1	2461.0	2459.8	0.1

Date	Reservoir Level (feet)	Upper Rule Band (feet)	Lower Rule Band (feet)	Δ (feet)
May 14	2461.1	2461.0	2459.8	0.1
May 15	2461.1	2461.0	2459.8	0.1
May 16	2461.1	2461.0	2459.8	0.1
May 17	2461.2	2461.0	2459.8	0.2
May 18	2461.3	2461.0	2459.8	0.3
May 19	2461.6	2461.0	2459.8	0.6
May 20	2461.5	2461.0	2459.8	0.5
May 21	2461.4	2461.0	2459.9	0.4
May 24	2461.1	2461.0	2459.9	0.1
May 25	2461.1	2461.0	2459.9	0.1
May 26	2461.1	2461.0	2459.9	0.1
May 27	2461.1	2461.0	2459.9	0.1
May 28	2461.2	2461.0	2459.9	0.2
May 29	2461.3	2461.0	2460.0	0.3
May 30	2461.3	2461.0	2460.0	0.3
May 31	2461.1	2461.0	2460.0	0.1
June 1	2461.2	2461.0	2460.0	0.2
June 2	2461.2	2461.0	2460.0	0.2
June 3	2461.2	2461.0	2460.0	0.2
June 4	2461.1	2461.0	2460.0	0.1
June 6	2461.1	2461.0	2460.0	0.1
June 7	2461.1	2461.0	2460.0	0.1
June 20	2461.1	2461.0	2460.0	0.1
June 21	2461.1	2461.0	2460.0	0.1
June 22	2461.1	2461.0	2460.0	0.1
November 5	2458.1	2458.0	2455.9	0.1
November 6	2458.1	2458.0	2455.8	0.1
November 7	2458.1	2458.0	2455.8	0.1
November 8	2458.2	2458.0	2455.8	0.2
November 9	2458.2	2458.0	2455.7	0.2
November 10	2458.2	2458.0	2455.7	0.2
November 11	2458.3	2458.0	2455.7	0.3
November 12	2458.3	2458.0	2455.6	0.3
November 13	2458.3	2458.0	2455.6	0.3
November 14	2458.3	2458.0	2455.6	0.3
November 15	2458.4	2458.0	2455.5	0.5
November 16	2458.4	2457.9	2455.5	0.5
November 17	2458.5	2457.9	2455.5	0.6
November 18	2458.5	2457.9	2455.4	0.6
November 19	2458.6	2457.9	2455.4	0.7
November 20	2458.6	2457.9	2455.4	0.7
November 21	2458.7	2457.9	2455.3	0.8
November 22	2458.7	2457.9	2455.3	0.8
November 23	2459.0	2457.9	2455.3	1.1
November 24	2459.1	2457.9	2455.2	1.2
November 25	2458.9	2457.9	2455.2	1.0
November 26	2458.7	2457.9	2455.2	0.8
November 27	2458.5	2457.9	2455.1	0.6
November 28	2458.4	2457.9	2455.1	0.5

Date	Reservoir Level (feet)	Upper Rule Band (feet)	Lower Rule Band (feet)	Δ (feet)
November 29	2458.2	2457.9	2455.1	0.3
November 30	2458.0	2457.9	2455.0	0.1
December 8	2458.1	2457.9	2455.0	0.2
December 9	2458.1	2457.9	2455.0	0.2
December 10	2458.3	2457.9	2455.0	0.4
December 11	2458.3	2457.9	2455.0	0.4
December 12	2458.4	2457.9	2455.0	0.5
December 13	2458.4	2457.9	2455.0	0.5
December 14	2458.3	2457.9	2455.0	0.4
December 15	2458.3	2457.9	2455.0	0.4
December 16	2458.2	2457.9	2455.0	0.3
December 17	2458.2	2457.9	2455.0	0.3
December 18	2458.2	2457.9	2455.0	0.3
December 19	2458.2	2457.9	2455.0	0.3
December 20	2458.1	2457.9	2455.0	0.2
December 21	2458.1	2457.9	2455.0	0.2
December 22	2458.1	2457.9	2455.0	0.2
December 23	2458.0	2457.9	2455.0	0.1

APPENDIX B

DAILY RIVER WATER TEMPERATURES AT SANG RUN

**TEMPERATURE ENHANCEMENT PLAN SANG RUN
TEMPERATURE EXCURSIONS**

TEMPERATURE ENHANCEMENT PLAN DAILY SHEETS

Water temperature is measured from a temperature probe seasonally installed and maintained by Brookfield in the Youghiogheny River at the Sang Run Bridge. The instrument records water temperature at 10-minute intervals, has a monitoring accuracy of 0.1°C, and is calibrated in accordance with the manufacturer's instructions. Data is retrieved via telephone modem from the instrument by a Brookfield Compliance Specialist located at the Deep Creek Hydroelectric Project.

Days when temperatures exceeded 25°C and days when temperature enhancement releases were made are summarized in the following tables. Daily Temperature Enhancement Plan sheets for each of these dates are also included.

DAILY RIVER WATER TEMPERATURES AT SANG RUN

Date	Time	Temp °C
6/1/2011	0:00:00	21.54
6/1/2011	0:10:00	21.48
6/1/2011	0:20:00	21.42
6/1/2011	0:30:00	21.36
6/1/2011	0:40:00	21.31
6/1/2011	0:50:00	21.25
6/1/2011	1:00:00	21.20
6/1/2011	1:10:00	21.15
6/1/2011	1:20:00	21.10
6/1/2011	1:30:00	21.05
6/1/2011	1:40:00	21.00
6/1/2011	1:50:00	20.95
6/1/2011	2:00:00	20.91
6/1/2011	2:10:00	20.85
6/1/2011	2:20:00	20.82
6/1/2011	2:30:00	20.77
6/1/2011	2:40:00	20.73
6/1/2011	2:50:00	20.69
6/1/2011	3:00:00	20.65
6/1/2011	3:10:00	20.62
6/1/2011	3:20:00	20.59
6/1/2011	3:30:00	20.54
6/1/2011	3:40:00	20.51
6/1/2011	3:50:00	20.47
6/1/2011	4:00:00	20.44
6/1/2011	4:10:00	20.40
6/1/2011	4:20:00	20.35
6/1/2011	4:30:00	20.32
6/1/2011	4:40:00	20.27
6/1/2011	4:50:00	20.24
6/1/2011	5:00:00	20.20
6/1/2011	5:10:00	20.16
6/1/2011	5:20:00	20.12
6/1/2011	5:30:00	20.08
6/1/2011	5:40:00	20.05
6/1/2011	5:50:00	20.01
6/1/2011	6:00:00	19.99
6/1/2011	6:10:00	19.95
6/1/2011	6:20:00	19.91
6/1/2011	6:30:00	19.89
6/1/2011	6:40:00	19.87
6/1/2011	6:50:00	19.84
6/1/2011	7:00:00	19.82
6/1/2011	7:10:00	19.80
6/1/2011	7:20:00	19.79
6/1/2011	7:30:00	19.78
6/1/2011	7:40:00	19.78
6/1/2011	7:50:00	19.78
6/1/2011	8:00:00	19.78
6/1/2011	8:10:00	19.79

Date	Time	Temp °C
6/1/2011	8:20:00	19.80
6/1/2011	8:30:00	19.84
6/1/2011	8:40:00	19.90
6/1/2011	8:50:00	19.96
6/1/2011	9:00:00	20.01
6/1/2011	9:10:00	20.08
6/1/2011	9:20:00	20.19
6/1/2011	9:30:00	20.27
6/1/2011	9:40:00	20.37
6/1/2011	9:50:00	20.47
6/1/2011	10:00:00	20.58
6/1/2011	10:10:00	20.68
6/1/2011	10:20:00	20.81
6/1/2011	10:30:00	20.94
6/1/2011	10:40:00	21.07
6/1/2011	10:50:00	21.26
6/1/2011	11:00:00	21.32
6/1/2011	11:10:00	21.35
6/1/2011	11:20:00	21.50
6/1/2011	11:30:00	21.57
6/1/2011	11:40:00	21.68
6/1/2011	11:50:00	21.72
6/1/2011	12:00:00	21.83
6/1/2011	12:10:00	21.89
6/1/2011	12:20:00	21.92
6/1/2011	12:30:00	21.97
6/1/2011	12:40:00	22.13
6/1/2011	12:50:00	22.31
6/1/2011	13:00:00	22.47
6/1/2011	13:10:00	22.59
6/1/2011	13:20:00	22.64
6/1/2011	13:30:00	22.79
6/1/2011	13:40:00	22.81
6/1/2011	13:50:00	23.05
6/1/2011	14:00:00	23.25
6/1/2011	14:10:00	23.48
6/1/2011	14:20:00	23.64
6/1/2011	14:30:00	23.74
6/1/2011	14:40:00	23.81
6/1/2011	14:50:00	23.92
6/1/2011	15:00:00	24.03
6/1/2011	15:10:00	24.25
6/1/2011	15:20:00	24.36
6/1/2011	15:30:00	24.48
6/1/2011	15:40:00	24.49
6/1/2011	15:50:00	24.51
6/1/2011	16:00:00	24.47
6/1/2011	16:10:00	24.42
6/1/2011	16:20:00	24.38
6/1/2011	16:30:00	24.33

Date	Time	Temp °C
6/1/2011	16:40:00	24.22
6/1/2011	16:50:00	24.24
6/1/2011	17:00:00	24.24
6/1/2011	17:10:00	24.17
6/1/2011	17:20:00	24.13
6/1/2011	17:30:00	24.04
6/1/2011	17:40:00	24.00
6/1/2011	17:50:00	23.94
6/1/2011	18:00:00	23.97
6/1/2011	18:10:00	23.92
6/1/2011	18:20:00	23.93
6/1/2011	18:30:00	23.83
6/1/2011	18:40:00	23.79
6/1/2011	18:50:00	23.72
6/1/2011	19:00:00	23.65
6/1/2011	19:10:00	23.55
6/1/2011	19:20:00	23.37
6/1/2011	19:30:00	23.23
6/1/2011	19:40:00	23.10
6/1/2011	19:50:00	22.93
6/1/2011	20:00:00	22.76
6/1/2011	20:10:00	22.60
6/1/2011	20:20:00	22.43
6/1/2011	20:30:00	22.25
6/1/2011	20:40:00	22.07
6/1/2011	20:50:00	21.90
6/1/2011	21:00:00	21.75
6/1/2011	21:10:00	21.59
6/1/2011	21:20:00	21.45
6/1/2011	21:30:00	21.31
6/1/2011	21:40:00	21.17
6/1/2011	21:50:00	21.03
6/1/2011	22:00:00	20.91
6/1/2011	22:10:00	20.77
6/1/2011	22:20:00	20.64
6/1/2011	22:30:00	20.52
6/1/2011	22:40:00	20.41
6/1/2011	22:50:00	20.29
6/1/2011	23:00:00	20.18
6/1/2011	23:10:00	20.07
6/1/2011	23:20:00	19.98
6/1/2011	23:30:00	19.88
6/1/2011	23:40:00	19.77
6/1/2011	23:50:00	19.67
6/2/2011	0:00:00	19.57
6/2/2011	0:10:00	19.48
6/2/2011	0:20:00	19.39
6/2/2011	0:30:00	19.31
6/2/2011	0:40:00	19.23
6/2/2011	0:50:00	19.15

Date	Time	Temp °C
6/2/2011	1:00:00	19.08
6/2/2011	1:10:00	19.02
6/2/2011	1:20:00	18.95
6/2/2011	1:30:00	18.89
6/2/2011	1:40:00	18.82
6/2/2011	1:50:00	18.75
6/2/2011	2:00:00	18.68
6/2/2011	2:10:00	18.61
6/2/2011	2:20:00	18.55
6/2/2011	2:30:00	18.50
6/2/2011	2:40:00	18.45
6/2/2011	2:50:00	18.39
6/2/2011	3:00:00	18.33
6/2/2011	3:10:00	18.30
6/2/2011	3:20:00	18.25
6/2/2011	3:30:00	18.19
6/2/2011	3:40:00	18.15
6/2/2011	3:50:00	18.10
6/2/2011	4:00:00	18.05
6/2/2011	4:10:00	17.99
6/2/2011	4:20:00	17.93
6/2/2011	4:30:00	17.89
6/2/2011	4:40:00	17.84
6/2/2011	4:50:00	17.80
6/2/2011	5:00:00	17.75
6/2/2011	5:10:00	17.69
6/2/2011	5:20:00	17.64
6/2/2011	5:30:00	17.60
6/2/2011	5:40:00	17.55
6/2/2011	5:50:00	17.50
6/2/2011	6:00:00	17.45
6/2/2011	6:10:00	17.41
6/2/2011	6:20:00	17.37
6/2/2011	6:30:00	17.34
6/2/2011	6:40:00	17.30
6/2/2011	6:50:00	17.26
6/2/2011	7:00:00	17.23
6/2/2011	7:10:00	17.21
6/2/2011	7:20:00	17.18
6/2/2011	7:30:00	17.17
6/2/2011	7:40:00	17.16
6/2/2011	7:50:00	17.15
6/2/2011	8:00:00	17.15
6/2/2011	8:10:00	17.14
6/2/2011	8:20:00	17.15
6/2/2011	8:30:00	17.16
6/2/2011	8:40:00	17.18
6/2/2011	8:50:00	17.22
6/2/2011	9:00:00	17.29
6/2/2011	9:10:00	17.35

Date	Time	Temp °C
6/2/2011	9:20:00	17.41
6/2/2011	9:30:00	17.47
6/2/2011	9:40:00	17.52
6/2/2011	9:50:00	17.59
6/2/2011	10:00:00	17.65
6/2/2011	10:10:00	17.74
6/2/2011	10:20:00	17.81
6/2/2011	10:30:00	17.90
6/2/2011	10:40:00	18.03
6/2/2011	10:50:00	18.16
6/2/2011	11:00:00	18.28
6/2/2011	11:10:00	18.40
6/2/2011	11:20:00	18.55
6/2/2011	11:30:00	18.67
6/2/2011	11:40:00	18.84
6/2/2011	11:50:00	19.00
6/2/2011	12:00:00	19.18
6/2/2011	12:10:00	19.37
6/2/2011	12:20:00	19.59
6/2/2011	12:30:00	19.79
6/2/2011	12:40:00	20.02
6/2/2011	12:50:00	20.20
6/2/2011	13:00:00	20.44
6/2/2011	13:10:00	20.65
6/2/2011	13:20:00	20.85
6/2/2011	13:30:00	21.04
6/2/2011	13:40:00	21.24
6/2/2011	13:50:00	21.42
6/2/2011	14:00:00	21.61
6/2/2011	14:10:00	21.78
6/2/2011	14:20:00	22.00
6/2/2011	14:30:00	22.23
6/2/2011	14:40:00	22.39
6/2/2011	14:50:00	22.54
6/2/2011	15:00:00	22.69
6/2/2011	15:10:00	22.79
6/2/2011	15:20:00	22.93
6/2/2011	15:30:00	23.04
6/2/2011	15:40:00	23.16
6/2/2011	15:50:00	23.28
6/2/2011	16:00:00	23.38
6/2/2011	16:10:00	23.42
6/2/2011	16:20:00	23.48
6/2/2011	16:30:00	23.52
6/2/2011	16:40:00	23.57
6/2/2011	16:50:00	23.57
6/2/2011	17:00:00	23.58
6/2/2011	17:10:00	23.59
6/2/2011	17:20:00	23.60
6/2/2011	17:30:00	23.57

Date	Time	Temp °C
6/2/2011	17:40:00	23.54
6/2/2011	17:50:00	23.50
6/2/2011	18:00:00	23.42
6/2/2011	18:10:00	23.34
6/2/2011	18:20:00	23.21
6/2/2011	18:30:00	23.08
6/2/2011	18:40:00	22.92
6/2/2011	18:50:00	22.74
6/2/2011	19:00:00	22.55
6/2/2011	19:10:00	22.33
6/2/2011	19:20:00	22.05
6/2/2011	19:30:00	21.82
6/2/2011	19:40:00	21.59
6/2/2011	19:50:00	21.36
6/2/2011	20:00:00	21.13
6/2/2011	20:10:00	20.90
6/2/2011	20:20:00	20.64
6/2/2011	20:30:00	20.36
6/2/2011	20:40:00	20.12
6/2/2011	20:50:00	19.89
6/2/2011	21:00:00	19.69
6/2/2011	21:10:00	19.52
6/2/2011	21:20:00	19.36
6/2/2011	21:30:00	19.18
6/2/2011	21:40:00	19.03
6/2/2011	21:50:00	18.87
6/2/2011	22:00:00	18.73
6/2/2011	22:10:00	18.58
6/2/2011	22:20:00	18.44
6/2/2011	22:30:00	18.30
6/2/2011	22:40:00	18.17
6/2/2011	22:50:00	18.04
6/2/2011	23:00:00	17.91
6/2/2011	23:10:00	17.80
6/2/2011	23:20:00	17.68
6/2/2011	23:30:00	17.56
6/2/2011	23:40:00	17.47
6/2/2011	23:50:00	17.37
6/3/2011	0:00:00	17.28
6/3/2011	0:10:00	17.20
6/3/2011	0:20:00	17.11
6/3/2011	0:30:00	17.03
6/3/2011	0:40:00	16.95
6/3/2011	0:50:00	16.87
6/3/2011	1:00:00	16.80
6/3/2011	1:10:00	16.73
6/3/2011	1:20:00	16.64
6/3/2011	1:30:00	16.58
6/3/2011	1:40:00	16.51
6/3/2011	1:50:00	16.45

Date	Time	Temp °C
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6/3/2011	2:20:00	16.24
6/3/2011	2:30:00	16.17
6/3/2011	2:40:00	16.11
6/3/2011	2:50:00	16.04
6/3/2011	3:00:00	15.98
6/3/2011	3:10:00	15.92
6/3/2011	3:20:00	15.86
6/3/2011	3:30:00	15.80
6/3/2011	3:40:00	15.74
6/3/2011	3:50:00	15.66
6/3/2011	4:00:00	15.63
6/3/2011	4:10:00	15.56
6/3/2011	4:20:00	15.50
6/3/2011	4:30:00	15.47
6/3/2011	4:40:00	15.43
6/3/2011	4:50:00	15.39
6/3/2011	5:00:00	15.34
6/3/2011	5:10:00	15.28
6/3/2011	5:20:00	15.24
6/3/2011	5:30:00	15.20
6/3/2011	5:40:00	15.14
6/3/2011	5:50:00	15.09
6/3/2011	6:00:00	15.04
6/3/2011	6:10:00	14.98
6/3/2011	6:20:00	14.94
6/3/2011	6:30:00	14.90
6/3/2011	6:40:00	14.86
6/3/2011	6:50:00	14.82
6/3/2011	7:00:00	14.79
6/3/2011	7:10:00	14.76
6/3/2011	7:20:00	14.75
6/3/2011	7:30:00	14.73
6/3/2011	7:40:00	14.72
6/3/2011	7:50:00	14.73
6/3/2011	8:00:00	14.73
6/3/2011	8:10:00	14.75
6/3/2011	8:20:00	14.77
6/3/2011	8:30:00	14.80
6/3/2011	8:40:00	14.84
6/3/2011	8:50:00	14.88
6/3/2011	9:00:00	14.94
6/3/2011	9:10:00	15.01
6/3/2011	9:20:00	15.09
6/3/2011	9:30:00	15.25
6/3/2011	9:40:00	15.36
6/3/2011	9:50:00	15.50
6/3/2011	10:00:00	15.65
6/3/2011	10:10:00	15.81

Date	Time	Temp °C
6/3/2011	10:20:00	15.97
6/3/2011	10:30:00	16.10
6/3/2011	10:40:00	16.22
6/3/2011	10:50:00	16.34
6/3/2011	11:00:00	16.49
6/3/2011	11:10:00	16.66
6/3/2011	11:20:00	16.84
6/3/2011	11:30:00	17.00
6/3/2011	11:40:00	17.21
6/3/2011	11:50:00	17.39
6/3/2011	12:00:00	17.61
6/3/2011	12:10:00	17.82
6/3/2011	12:20:00	18.04
6/3/2011	12:30:00	18.29
6/3/2011	12:40:00	18.39
6/3/2011	12:50:00	18.62
6/3/2011	13:00:00	18.86
6/3/2011	13:10:00	18.77
6/3/2011	13:20:00	17.64
6/3/2011	13:30:00	16.51
6/3/2011	13:40:00	16.42
6/3/2011	13:50:00	16.35
6/3/2011	14:00:00	16.33
6/3/2011	14:10:00	16.33
6/3/2011	14:20:00	16.37
6/3/2011	14:30:00	16.38
6/3/2011	14:40:00	16.41
6/3/2011	14:50:00	16.42
6/3/2011	15:00:00	16.43
6/3/2011	15:10:00	16.44
6/3/2011	15:20:00	16.49
6/3/2011	15:30:00	16.54
6/3/2011	15:40:00	16.63
6/3/2011	15:50:00	16.74
6/3/2011	16:00:00	16.89
6/3/2011	16:10:00	17.04
6/3/2011	16:20:00	17.24
6/3/2011	16:30:00	17.44
6/3/2011	16:40:00	17.59
6/3/2011	16:50:00	17.79
6/3/2011	17:00:00	17.95
6/3/2011	17:10:00	18.11
6/3/2011	17:20:00	18.26
6/3/2011	17:30:00	18.40
6/3/2011	17:40:00	18.52
6/3/2011	17:50:00	18.59
6/3/2011	18:00:00	18.64
6/3/2011	18:10:00	18.67
6/3/2011	18:20:00	18.65
6/3/2011	18:30:00	18.67

Date	Time	Temp °C
6/3/2011	18:40:00	18.66
6/3/2011	18:50:00	18.62
6/3/2011	19:00:00	18.57
6/3/2011	19:10:00	18.56
6/3/2011	19:20:00	18.51
6/3/2011	19:30:00	18.50
6/3/2011	19:40:00	18.51
6/3/2011	19:50:00	18.55
6/3/2011	20:00:00	18.60
6/3/2011	20:10:00	18.65
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6/3/2011	20:30:00	18.71
6/3/2011	20:40:00	18.70
6/3/2011	20:50:00	18.69
6/3/2011	21:00:00	18.66
6/3/2011	21:10:00	18.63
6/3/2011	21:20:00	18.59
6/3/2011	21:30:00	18.53
6/3/2011	21:40:00	18.48
6/3/2011	21:50:00	18.42
6/3/2011	22:00:00	18.36
6/3/2011	22:10:00	18.28
6/3/2011	22:20:00	18.21
6/3/2011	22:30:00	18.13
6/3/2011	22:40:00	18.04
6/3/2011	22:50:00	17.97
6/3/2011	23:00:00	17.89
6/3/2011	23:10:00	17.81
6/3/2011	23:20:00	17.72
6/3/2011	23:30:00	17.64
6/3/2011	23:40:00	17.55
6/3/2011	23:50:00	17.47
6/4/2011	0:00:00	17.40
6/4/2011	0:10:00	17.32
6/4/2011	0:20:00	17.24
6/4/2011	0:30:00	17.17
6/4/2011	0:40:00	17.09
6/4/2011	0:50:00	17.02
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6/4/2011	1:10:00	16.88
6/4/2011	1:20:00	16.81
6/4/2011	1:30:00	16.75
6/4/2011	1:40:00	16.68
6/4/2011	1:50:00	16.63
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6/4/2011	2:10:00	16.48
6/4/2011	2:20:00	16.42
6/4/2011	2:30:00	16.36
6/4/2011	2:40:00	16.30
6/4/2011	2:50:00	16.24

Date	Time	Temp °C
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6/4/2011	3:10:00	16.11
6/4/2011	3:20:00	16.05
6/4/2011	3:30:00	15.99
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6/4/2011	3:50:00	15.88
6/4/2011	4:00:00	15.81
6/4/2011	4:10:00	15.77
6/4/2011	4:20:00	15.70
6/4/2011	4:30:00	15.65
6/4/2011	4:40:00	15.60
6/4/2011	4:50:00	15.53
6/4/2011	5:00:00	15.47
6/4/2011	5:10:00	15.42
6/4/2011	5:20:00	15.35
6/4/2011	5:30:00	15.30
6/4/2011	5:40:00	15.24
6/4/2011	5:50:00	15.18
6/4/2011	6:00:00	15.12
6/4/2011	6:10:00	15.08
6/4/2011	6:20:00	15.03
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6/4/2011	6:40:00	14.94
6/4/2011	6:50:00	14.88
6/4/2011	7:00:00	14.84
6/4/2011	7:10:00	14.80
6/4/2011	7:20:00	14.76
6/4/2011	7:30:00	14.74
6/4/2011	7:40:00	14.72
6/4/2011	7:50:00	14.72
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6/4/2011	8:10:00	14.73
6/4/2011	8:20:00	14.75
6/4/2011	8:30:00	14.78
6/4/2011	8:40:00	14.82
6/4/2011	8:50:00	14.88
6/4/2011	9:00:00	14.98
6/4/2011	9:10:00	15.09
6/4/2011	9:20:00	15.20
6/4/2011	9:30:00	15.31
6/4/2011	9:40:00	15.43
6/4/2011	9:50:00	15.54
6/4/2011	10:00:00	15.66
6/4/2011	10:10:00	15.80
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6/4/2011	10:40:00	16.18
6/4/2011	10:50:00	16.31
6/4/2011	11:00:00	16.48
6/4/2011	11:10:00	16.70

Date	Time	Temp °C
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6/4/2011	11:30:00	17.12
6/4/2011	11:40:00	17.38
6/4/2011	11:50:00	17.61
6/4/2011	12:00:00	17.84
6/4/2011	12:10:00	18.00
6/4/2011	12:20:00	18.19
6/4/2011	12:30:00	18.47
6/4/2011	12:40:00	18.57
6/4/2011	12:50:00	18.75
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6/4/2011	13:20:00	17.61
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6/4/2011	14:10:00	16.28
6/4/2011	14:20:00	16.32
6/4/2011	14:30:00	16.38
6/4/2011	14:40:00	16.42
6/4/2011	14:50:00	16.45
6/4/2011	15:00:00	16.46
6/4/2011	15:10:00	16.49
6/4/2011	15:20:00	16.52
6/4/2011	15:30:00	16.51
6/4/2011	15:40:00	16.52
6/4/2011	15:50:00	16.61
6/4/2011	16:00:00	16.68
6/4/2011	16:10:00	16.89
6/4/2011	16:20:00	17.08
6/4/2011	16:30:00	17.28
6/4/2011	16:40:00	17.39
6/4/2011	16:50:00	17.58
6/4/2011	17:00:00	17.77
6/4/2011	17:10:00	17.96
6/4/2011	17:20:00	18.15
6/4/2011	17:30:00	18.32
6/4/2011	17:40:00	18.48
6/4/2011	17:50:00	18.64
6/4/2011	18:00:00	18.78
6/4/2011	18:10:00	18.90
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6/4/2011	18:30:00	19.09
6/4/2011	18:40:00	19.15
6/4/2011	18:50:00	19.20
6/4/2011	19:00:00	19.22
6/4/2011	19:10:00	19.24
6/4/2011	19:20:00	19.23
6/4/2011	19:30:00	19.24

Date	Time	Temp °C
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6/4/2011	19:50:00	19.31
6/4/2011	20:00:00	19.34
6/4/2011	20:10:00	19.38
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6/4/2011	20:30:00	19.43
6/4/2011	20:40:00	19.44
6/4/2011	20:50:00	19.46
6/4/2011	21:00:00	19.46
6/4/2011	21:10:00	19.47
6/4/2011	21:20:00	19.47
6/4/2011	21:30:00	19.46
6/4/2011	21:40:00	19.46
6/4/2011	21:50:00	19.44
6/4/2011	22:00:00	19.43
6/4/2011	22:10:00	19.42
6/4/2011	22:20:00	19.39
6/4/2011	22:30:00	19.37
6/4/2011	22:40:00	19.33
6/4/2011	22:50:00	19.30
6/4/2011	23:00:00	19.27
6/4/2011	23:10:00	19.23
6/4/2011	23:20:00	19.20
6/4/2011	23:30:00	19.16
6/4/2011	23:40:00	19.13
6/4/2011	23:50:00	19.10
6/5/2011	0:00:00	19.07
6/5/2011	0:10:00	19.03
6/5/2011	0:20:00	18.99
6/5/2011	0:30:00	18.95
6/5/2011	0:40:00	18.92
6/5/2011	0:50:00	18.89
6/5/2011	1:00:00	18.86
6/5/2011	1:10:00	18.83
6/5/2011	1:20:00	18.81
6/5/2011	1:30:00	18.78
6/5/2011	1:40:00	18.75
6/5/2011	1:50:00	18.73
6/5/2011	2:00:00	18.70
6/5/2011	2:10:00	18.68
6/5/2011	2:20:00	18.66
6/5/2011	2:30:00	18.64
6/5/2011	2:40:00	18.63
6/5/2011	2:50:00	18.61
6/5/2011	3:00:00	18.59
6/5/2011	3:10:00	18.58
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6/5/2011	3:30:00	18.55
6/5/2011	3:40:00	18.54
6/5/2011	3:50:00	18.52

Date	Time	Temp °C
6/5/2011	4:00:00	18.49
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6/5/2011	4:20:00	18.45
6/5/2011	4:30:00	18.43
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6/5/2011	4:50:00	18.39
6/5/2011	5:00:00	18.36
6/5/2011	5:10:00	18.34
6/5/2011	5:20:00	18.32
6/5/2011	5:30:00	18.29
6/5/2011	5:40:00	18.27
6/5/2011	5:50:00	18.25
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6/5/2011	6:10:00	18.19
6/5/2011	6:20:00	18.17
6/5/2011	6:30:00	18.14
6/5/2011	6:40:00	18.10
6/5/2011	6:50:00	18.08
6/5/2011	7:00:00	18.06
6/5/2011	7:10:00	18.04
6/5/2011	7:20:00	18.02
6/5/2011	7:30:00	18.01
6/5/2011	7:40:00	17.98
6/5/2011	7:50:00	17.97
6/5/2011	8:00:00	17.96
6/5/2011	8:10:00	17.95
6/5/2011	8:20:00	17.95
6/5/2011	8:30:00	17.93
6/5/2011	8:40:00	17.93
6/5/2011	8:50:00	17.93
6/5/2011	9:00:00	17.94
6/5/2011	9:10:00	17.96
6/5/2011	9:20:00	17.99
6/5/2011	9:30:00	18.04
6/5/2011	9:40:00	18.08
6/5/2011	9:50:00	18.13
6/5/2011	10:00:00	18.16
6/5/2011	10:10:00	18.22
6/5/2011	10:20:00	18.28
6/5/2011	10:30:00	18.39
6/5/2011	10:40:00	18.52
6/5/2011	10:50:00	18.59
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6/5/2011	11:10:00	18.84
6/5/2011	11:20:00	18.96
6/5/2011	11:30:00	18.99
6/5/2011	11:40:00	19.07
6/5/2011	11:50:00	19.24
6/5/2011	12:00:00	19.47
6/5/2011	12:10:00	19.67

Date	Time	Temp °C
6/5/2011	12:20:00	19.81
6/5/2011	12:30:00	20.09
6/5/2011	12:40:00	20.26
6/5/2011	12:50:00	20.42
6/5/2011	13:00:00	20.67
6/5/2011	13:10:00	20.89
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6/5/2011	13:30:00	21.28
6/5/2011	13:40:00	21.46
6/5/2011	13:50:00	21.55
6/5/2011	14:00:00	21.78
6/5/2011	14:10:00	22.06
6/5/2011	14:20:00	22.34
6/5/2011	14:30:00	22.53
6/5/2011	14:40:00	22.71
6/5/2011	14:50:00	22.92
6/5/2011	15:00:00	23.13
6/5/2011	15:10:00	23.30
6/5/2011	15:20:00	23.51
6/5/2011	15:30:00	23.66
6/5/2011	15:40:00	23.74
6/5/2011	15:50:00	23.86
6/5/2011	16:00:00	23.97
6/5/2011	16:10:00	24.13
6/5/2011	16:20:00	24.19
6/5/2011	16:30:00	24.29
6/5/2011	16:40:00	24.37
6/5/2011	16:50:00	24.45
6/5/2011	17:00:00	24.47
6/5/2011	17:10:00	24.41
6/5/2011	17:20:00	24.42
6/5/2011	17:30:00	24.45
6/5/2011	17:40:00	24.38
6/5/2011	17:50:00	24.43
6/5/2011	18:00:00	24.40
6/5/2011	18:10:00	24.32
6/5/2011	18:20:00	24.23
6/5/2011	18:30:00	24.17
6/5/2011	18:40:00	24.01
6/5/2011	18:50:00	23.85
6/5/2011	19:00:00	23.74
6/5/2011	19:10:00	23.59
6/5/2011	19:20:00	23.46
6/5/2011	19:30:00	23.30
6/5/2011	19:40:00	23.12
6/5/2011	19:50:00	22.93
6/5/2011	20:00:00	22.75
6/5/2011	20:10:00	22.57
6/5/2011	20:20:00	22.40
6/5/2011	20:30:00	22.25

Date	Time	Temp °C
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6/5/2011	20:50:00	21.95
6/5/2011	21:00:00	21.80
6/5/2011	21:10:00	21.66
6/5/2011	21:20:00	21.53
6/5/2011	21:30:00	21.40
6/5/2011	21:40:00	21.27
6/5/2011	21:50:00	21.16
6/5/2011	22:00:00	21.05
6/5/2011	22:10:00	20.95
6/5/2011	22:20:00	20.84
6/5/2011	22:30:00	20.74
6/5/2011	22:40:00	20.64
6/5/2011	22:50:00	20.55
6/5/2011	23:00:00	20.46
6/5/2011	23:10:00	20.38
6/5/2011	23:20:00	20.29
6/5/2011	23:30:00	20.21
6/5/2011	23:40:00	20.12
6/5/2011	23:50:00	20.04
6/6/2011	0:00:00	19.97
6/6/2011	0:10:00	19.89
6/6/2011	0:20:00	19.82
6/6/2011	0:30:00	19.76
6/6/2011	0:40:00	19.71
6/6/2011	0:50:00	19.65
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6/6/2011	1:10:00	19.52
6/6/2011	1:20:00	19.47
6/6/2011	1:30:00	19.43
6/6/2011	1:40:00	19.38
6/6/2011	1:50:00	19.34
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6/6/2011	2:30:00	19.18
6/6/2011	2:40:00	19.14
6/6/2011	2:50:00	19.10
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6/6/2011	3:20:00	19.01
6/6/2011	3:30:00	18.98
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6/6/2011	4:20:00	18.82
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6/6/2011	4:40:00	18.74
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6/6/2011	6:00:00	18.49
6/6/2011	6:10:00	18.48
6/6/2011	6:20:00	18.46
6/6/2011	6:30:00	18.43
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6/6/2011	7:50:00	18.32
6/6/2011	8:00:00	18.31
6/6/2011	8:10:00	18.30
6/6/2011	8:20:00	18.31
6/6/2011	8:30:00	18.33
6/6/2011	8:40:00	18.36
6/6/2011	8:50:00	18.42
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6/6/2011	9:20:00	18.65
6/6/2011	9:30:00	18.73
6/6/2011	9:40:00	18.84
6/6/2011	9:50:00	18.94
6/6/2011	10:00:00	19.05
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6/6/2011	10:30:00	19.41
6/6/2011	10:40:00	19.52
6/6/2011	10:50:00	19.65
6/6/2011	11:00:00	19.79
6/6/2011	11:10:00	19.93
6/6/2011	11:20:00	20.08
6/6/2011	11:30:00	20.25
6/6/2011	11:40:00	20.42
6/6/2011	11:50:00	20.59
6/6/2011	12:00:00	20.76
6/6/2011	12:10:00	20.95
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6/6/2011	12:50:00	21.54
6/6/2011	13:00:00	21.68
6/6/2011	13:10:00	21.46

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6/6/2011	13:50:00	17.55
6/6/2011	14:00:00	17.40
6/6/2011	14:10:00	17.32
6/6/2011	14:20:00	17.20
6/6/2011	14:30:00	17.17
6/6/2011	14:40:00	17.05
6/6/2011	14:50:00	17.06
6/6/2011	15:00:00	17.11
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6/6/2011	15:20:00	17.03
6/6/2011	15:30:00	17.12
6/6/2011	15:40:00	17.23
6/6/2011	15:50:00	17.28
6/6/2011	16:00:00	17.50
6/6/2011	16:10:00	17.70
6/6/2011	16:20:00	17.92
6/6/2011	16:30:00	18.10
6/6/2011	16:40:00	18.23
6/6/2011	16:50:00	18.48
6/6/2011	17:00:00	18.66
6/6/2011	17:10:00	18.83
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6/6/2011	17:50:00	19.35
6/6/2011	18:00:00	19.44
6/6/2011	18:10:00	19.50
6/6/2011	18:20:00	19.55
6/6/2011	18:30:00	19.56
6/6/2011	18:40:00	19.55
6/6/2011	18:50:00	19.56
6/6/2011	19:00:00	19.59
6/6/2011	19:10:00	19.65
6/6/2011	19:20:00	19.71
6/6/2011	19:30:00	19.81
6/6/2011	19:40:00	19.92
6/6/2011	19:50:00	20.02
6/6/2011	20:00:00	20.11
6/6/2011	20:10:00	20.18
6/6/2011	20:20:00	20.22
6/6/2011	20:30:00	20.24
6/6/2011	20:40:00	20.25
6/6/2011	20:50:00	20.23
6/6/2011	21:00:00	20.22
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6/6/2011	21:20:00	20.18
6/6/2011	21:30:00	20.17

Date	Time	Temp °C
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6/6/2011	21:50:00	20.12
6/6/2011	22:00:00	20.09
6/6/2011	22:10:00	20.06
6/6/2011	22:20:00	20.03
6/6/2011	22:30:00	19.99
6/6/2011	22:40:00	19.94
6/6/2011	22:50:00	19.90
6/6/2011	23:00:00	19.86
6/6/2011	23:10:00	19.81
6/6/2011	23:20:00	19.76
6/6/2011	23:30:00	19.70
6/6/2011	23:40:00	19.64
6/6/2011	23:50:00	19.59
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6/7/2011	0:10:00	19.49
6/7/2011	0:20:00	19.42
6/7/2011	0:30:00	19.36
6/7/2011	0:40:00	19.30
6/7/2011	0:50:00	19.24
6/7/2011	1:00:00	19.18
6/7/2011	1:10:00	19.13
6/7/2011	1:20:00	19.06
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6/7/2011	3:50:00	18.22
6/7/2011	4:00:00	18.16
6/7/2011	4:10:00	18.10
6/7/2011	4:20:00	18.04
6/7/2011	4:30:00	17.99
6/7/2011	4:40:00	17.93
6/7/2011	4:50:00	17.88
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6/7/2011	5:40:00	17.61
6/7/2011	5:50:00	17.56

Date	Time	Temp °C
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6/7/2011	7:10:00	17.23
6/7/2011	7:20:00	17.20
6/7/2011	7:30:00	17.20
6/7/2011	7:40:00	17.21
6/7/2011	7:50:00	17.22
6/7/2011	8:00:00	17.22
6/7/2011	8:10:00	17.23
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6/7/2011	8:40:00	17.31
6/7/2011	8:50:00	17.36
6/7/2011	9:00:00	17.40
6/7/2011	9:10:00	17.45
6/7/2011	9:20:00	17.48
6/7/2011	9:30:00	17.52
6/7/2011	9:40:00	17.55
6/7/2011	9:50:00	17.59
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6/7/2011	10:40:00	17.69
6/7/2011	10:50:00	17.73
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6/7/2011	11:20:00	17.88
6/7/2011	11:30:00	17.91
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6/7/2011	12:30:00	18.08
6/7/2011	12:40:00	18.11
6/7/2011	12:50:00	18.15
6/7/2011	13:00:00	18.17
6/7/2011	13:10:00	18.21
6/7/2011	13:20:00	18.26
6/7/2011	13:30:00	18.30
6/7/2011	13:40:00	18.36
6/7/2011	13:50:00	18.40
6/7/2011	14:00:00	18.45
6/7/2011	14:10:00	18.49

Date	Time	Temp °C
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6/7/2011	14:40:00	18.60
6/7/2011	14:50:00	18.66
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6/7/2011	17:40:00	15.28
6/7/2011	17:50:00	15.22
6/7/2011	18:00:00	15.18
6/7/2011	18:10:00	15.14
6/7/2011	18:20:00	15.11
6/7/2011	18:30:00	15.08
6/7/2011	18:40:00	15.06
6/7/2011	18:50:00	15.04
6/7/2011	19:00:00	15.02
6/7/2011	19:10:00	15.00
6/7/2011	19:20:00	14.98
6/7/2011	19:30:00	14.97
6/7/2011	19:40:00	14.97
6/7/2011	19:50:00	14.99
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6/7/2011	21:00:00	15.16
6/7/2011	21:10:00	15.19
6/7/2011	21:20:00	15.22
6/7/2011	21:30:00	15.23
6/7/2011	21:40:00	15.26
6/7/2011	21:50:00	15.26
6/7/2011	22:00:00	15.27
6/7/2011	22:10:00	15.28
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6/7/2011	22:30:00	15.30

Date	Time	Temp °C
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6/7/2011	23:50:00	15.38
6/8/2011	0:00:00	15.44
6/8/2011	0:10:00	15.53
6/8/2011	0:20:00	15.63
6/8/2011	0:30:00	15.73
6/8/2011	0:40:00	15.85
6/8/2011	0:50:00	15.97
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6/8/2011	6:20:00	16.73
6/8/2011	6:30:00	16.72
6/8/2011	6:40:00	16.73
6/8/2011	6:50:00	16.72

Date	Time	Temp °C
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6/8/2011	13:30:00	22.60
6/8/2011	13:40:00	22.85
6/8/2011	13:50:00	23.10
6/8/2011	14:00:00	23.38
6/8/2011	14:10:00	23.69
6/8/2011	14:20:00	23.55
6/8/2011	14:30:00	23.70
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6/8/2011	14:50:00	22.93
6/8/2011	15:00:00	20.73
6/8/2011	15:10:00	19.14

Date	Time	Temp °C
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6/8/2011	16:40:00	17.38
6/8/2011	16:50:00	17.29
6/8/2011	17:00:00	17.20
6/8/2011	17:10:00	17.11
6/8/2011	17:20:00	17.03
6/8/2011	17:30:00	17.00
6/8/2011	17:40:00	16.90
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6/8/2011	18:50:00	16.26
6/8/2011	19:00:00	16.24
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6/8/2011	19:20:00	16.18
6/8/2011	19:30:00	16.18
6/8/2011	19:40:00	16.16
6/8/2011	19:50:00	16.16
6/8/2011	20:00:00	16.17
6/8/2011	20:10:00	16.18
6/8/2011	20:20:00	16.20
6/8/2011	20:30:00	16.21
6/8/2011	20:40:00	16.21
6/8/2011	20:50:00	16.22
6/8/2011	21:00:00	16.21
6/8/2011	21:10:00	16.21
6/8/2011	21:20:00	16.20
6/8/2011	21:30:00	16.20
6/8/2011	21:40:00	16.19
6/8/2011	21:50:00	16.18
6/8/2011	22:00:00	16.18
6/8/2011	22:10:00	16.17
6/8/2011	22:20:00	16.16
6/8/2011	22:30:00	16.15
6/8/2011	22:40:00	16.14
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6/8/2011	23:00:00	16.17
6/8/2011	23:10:00	16.22
6/8/2011	23:20:00	16.30
6/8/2011	23:30:00	16.42

Date	Time	Temp °C
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6/8/2011	23:50:00	16.70
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6/9/2011	0:10:00	17.01
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6/9/2011	1:30:00	17.96
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6/9/2011	1:50:00	18.11
6/9/2011	2:00:00	18.17
6/9/2011	2:10:00	18.22
6/9/2011	2:20:00	18.26
6/9/2011	2:30:00	18.30
6/9/2011	2:40:00	18.33
6/9/2011	2:50:00	18.36
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6/9/2011	3:10:00	18.41
6/9/2011	3:20:00	18.42
6/9/2011	3:30:00	18.45
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6/9/2011	3:50:00	18.46
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6/9/2011	4:10:00	18.48
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6/9/2011	4:30:00	18.48
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6/9/2011	6:10:00	18.36
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6/9/2011	6:50:00	18.33
6/9/2011	7:00:00	18.33
6/9/2011	7:10:00	18.34
6/9/2011	7:20:00	18.34
6/9/2011	7:30:00	18.36
6/9/2011	7:40:00	18.37
6/9/2011	7:50:00	18.40

Date	Time	Temp °C
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6/9/2011	9:30:00	19.21
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6/9/2011	9:50:00	19.43
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6/9/2011	11:20:00	20.81
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6/9/2011	13:40:00	18.46
6/9/2011	13:50:00	17.92
6/9/2011	14:00:00	17.62
6/9/2011	14:10:00	17.43
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6/9/2011	15:40:00	17.06
6/9/2011	15:50:00	17.03
6/9/2011	16:00:00	17.06
6/9/2011	16:10:00	17.01

Date	Time	Temp °C
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6/9/2011	22:00:00	16.38
6/9/2011	22:10:00	16.36
6/9/2011	22:20:00	16.37
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6/9/2011	22:40:00	16.41
6/9/2011	22:50:00	16.43
6/9/2011	23:00:00	16.47
6/9/2011	23:10:00	16.53
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6/9/2011	23:30:00	16.72
6/9/2011	23:40:00	16.86
6/9/2011	23:50:00	17.02
6/10/2011	0:00:00	17.18
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Date	Time	Temp °C
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6/10/2011	1:40:00	18.33
6/10/2011	1:50:00	18.38
6/10/2011	2:00:00	18.43
6/10/2011	2:10:00	18.48
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Date	Time	Temp °C
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6/10/2011	12:00:00	21.83
6/10/2011	12:10:00	22.02
6/10/2011	12:20:00	22.25
6/10/2011	12:30:00	22.49
6/10/2011	12:40:00	22.73
6/10/2011	12:50:00	22.71
6/10/2011	13:00:00	22.88
6/10/2011	13:10:00	22.85
6/10/2011	13:20:00	22.50
6/10/2011	13:30:00	20.42
6/10/2011	13:40:00	18.71
6/10/2011	13:50:00	18.19
6/10/2011	14:00:00	17.79
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6/10/2011	14:20:00	17.31
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6/10/2011	14:40:00	17.06
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6/10/2011	16:40:00	17.85
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6/10/2011	17:00:00	18.25
6/10/2011	17:10:00	18.43

Date	Time	Temp °C
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6/10/2011	19:00:00	22.95
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6/10/2011	19:50:00	23.21
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6/10/2011	20:10:00	23.18
6/10/2011	20:20:00	23.15
6/10/2011	20:30:00	23.11
6/10/2011	20:40:00	23.06
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6/10/2011	23:30:00	22.09
6/10/2011	23:40:00	22.04
6/10/2011	23:50:00	22.00
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6/11/2011	0:10:00	21.92
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6/11/2011	1:00:00	21.73
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6/11/2011	5:50:00	20.55
6/11/2011	6:00:00	20.51
6/11/2011	6:10:00	20.46
6/11/2011	6:20:00	20.44
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6/11/2011	8:50:00	20.37
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6/11/2011	9:40:00	20.45
6/11/2011	9:50:00	20.55

Date	Time	Temp °C
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6/11/2011	12:20:00	22.65
6/11/2011	12:30:00	22.75
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6/11/2011	13:30:00	18.52
6/11/2011	13:40:00	18.00
6/11/2011	13:50:00	17.66
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6/11/2011	15:10:00	16.94
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6/11/2011	18:10:00	19.46

Date	Time	Temp °C
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6/11/2011	19:20:00	21.83
6/11/2011	19:30:00	22.09
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6/11/2011	22:00:00	22.32
6/11/2011	22:10:00	22.27
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6/11/2011	22:30:00	22.17
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6/11/2011	22:50:00	22.06
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6/12/2011	0:40:00	21.56
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6/12/2011	1:10:00	21.45
6/12/2011	1:20:00	21.42
6/12/2011	1:30:00	21.38
6/12/2011	1:40:00	21.33
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6/12/2011	2:30:00	21.16

Date	Time	Temp °C
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6/12/2011	5:40:00	20.39
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6/12/2011	6:10:00	20.27
6/12/2011	6:20:00	20.23
6/12/2011	6:30:00	20.19
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6/12/2011	6:50:00	20.13
6/12/2011	7:00:00	20.11
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6/12/2011	8:30:00	20.06
6/12/2011	8:40:00	20.08
6/12/2011	8:50:00	20.10
6/12/2011	9:00:00	20.15
6/12/2011	9:10:00	20.24
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6/12/2011	9:30:00	20.45
6/12/2011	9:40:00	20.52
6/12/2011	9:50:00	20.60
6/12/2011	10:00:00	20.69
6/12/2011	10:10:00	20.77
6/12/2011	10:20:00	20.90
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6/12/2011	10:40:00	21.05
6/12/2011	10:50:00	21.05

Date	Time	Temp °C
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6/12/2011	11:30:00	21.37
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6/12/2011	12:30:00	22.23
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6/12/2011	13:10:00	22.66
6/12/2011	13:20:00	22.72
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6/12/2011	13:40:00	22.71
6/12/2011	13:50:00	22.70
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6/12/2011	14:40:00	22.99
6/12/2011	14:50:00	23.19
6/12/2011	15:00:00	23.41
6/12/2011	15:10:00	23.41
6/12/2011	15:20:00	23.62
6/12/2011	15:30:00	23.61
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6/12/2011	16:30:00	24.14
6/12/2011	16:40:00	24.14
6/12/2011	16:50:00	24.20
6/12/2011	17:00:00	24.32
6/12/2011	17:10:00	24.42
6/12/2011	17:20:00	24.40
6/12/2011	17:30:00	24.54
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6/12/2011	18:40:00	24.47
6/12/2011	18:50:00	24.43
6/12/2011	19:00:00	24.31
6/12/2011	19:10:00	24.25

Date	Time	Temp °C
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6/12/2011	19:40:00	23.97
6/12/2011	19:50:00	23.84
6/12/2011	20:00:00	23.70
6/12/2011	20:10:00	23.55
6/12/2011	20:20:00	23.39
6/12/2011	20:30:00	23.23
6/12/2011	20:40:00	23.07
6/12/2011	20:50:00	22.93
6/12/2011	21:00:00	22.79
6/12/2011	21:10:00	22.64
6/12/2011	21:20:00	22.50
6/12/2011	21:30:00	22.35
6/12/2011	21:40:00	22.25
6/12/2011	21:50:00	22.13
6/12/2011	22:00:00	22.00
6/12/2011	22:10:00	21.89
6/12/2011	22:20:00	21.76
6/12/2011	22:30:00	21.64
6/12/2011	22:40:00	21.52
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6/12/2011	23:00:00	21.29
6/12/2011	23:10:00	21.17
6/12/2011	23:20:00	21.06
6/12/2011	23:30:00	20.93
6/12/2011	23:40:00	20.82
6/12/2011	23:50:00	20.69
6/13/2011	0:00:00	20.59
6/13/2011	0:10:00	20.50
6/13/2011	0:20:00	20.41
6/13/2011	0:30:00	20.32
6/13/2011	0:40:00	20.23
6/13/2011	0:50:00	20.15
6/13/2011	1:00:00	20.06
6/13/2011	1:10:00	19.95
6/13/2011	1:20:00	19.87
6/13/2011	1:30:00	19.77
6/13/2011	1:40:00	19.68
6/13/2011	1:50:00	19.59
6/13/2011	2:00:00	19.50
6/13/2011	2:10:00	19.44
6/13/2011	2:20:00	19.36
6/13/2011	2:30:00	19.27
6/13/2011	2:40:00	19.21
6/13/2011	2:50:00	19.13
6/13/2011	3:00:00	19.08
6/13/2011	3:10:00	19.01
6/13/2011	3:20:00	18.94
6/13/2011	3:30:00	18.86

Date	Time	Temp °C
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6/13/2011	3:50:00	18.74
6/13/2011	4:00:00	18.65
6/13/2011	4:10:00	18.59
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6/13/2011	4:50:00	18.34
6/13/2011	5:00:00	18.28
6/13/2011	5:10:00	18.20
6/13/2011	5:20:00	18.14
6/13/2011	5:30:00	18.08
6/13/2011	5:40:00	18.02
6/13/2011	5:50:00	17.96
6/13/2011	6:00:00	17.91
6/13/2011	6:10:00	17.85
6/13/2011	6:20:00	17.81
6/13/2011	6:30:00	17.76
6/13/2011	6:40:00	17.72
6/13/2011	6:50:00	17.70
6/13/2011	7:00:00	17.67
6/13/2011	7:10:00	17.64
6/13/2011	7:20:00	17.62
6/13/2011	7:30:00	17.59
6/13/2011	7:40:00	17.56
6/13/2011	7:50:00	17.57
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6/13/2011	8:10:00	17.54
6/13/2011	8:20:00	17.54
6/13/2011	8:30:00	17.53
6/13/2011	8:40:00	17.52
6/13/2011	8:50:00	17.52
6/13/2011	9:00:00	17.54
6/13/2011	9:10:00	17.55
6/13/2011	9:20:00	17.57
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6/13/2011	9:50:00	17.90
6/13/2011	10:00:00	18.04
6/13/2011	10:10:00	18.10
6/13/2011	10:20:00	18.18
6/13/2011	10:30:00	18.25
6/13/2011	10:40:00	18.37
6/13/2011	10:50:00	18.48
6/13/2011	11:00:00	18.54
6/13/2011	11:10:00	18.57
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6/13/2011	11:30:00	18.69
6/13/2011	11:40:00	18.86
6/13/2011	11:50:00	19.14

Date	Time	Temp °C
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6/13/2011	12:10:00	19.43
6/13/2011	12:20:00	19.53
6/13/2011	12:30:00	19.63
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6/13/2011	12:50:00	19.75
6/13/2011	13:00:00	19.76
6/13/2011	13:10:00	19.89
6/13/2011	13:20:00	19.63
6/13/2011	13:30:00	18.46
6/13/2011	13:40:00	16.98
6/13/2011	13:50:00	16.61
6/13/2011	14:00:00	16.30
6/13/2011	14:10:00	16.03
6/13/2011	14:20:00	15.89
6/13/2011	14:30:00	15.85
6/13/2011	14:40:00	15.77
6/13/2011	14:50:00	15.75
6/13/2011	15:00:00	15.74
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6/13/2011	15:20:00	15.70
6/13/2011	15:30:00	15.69
6/13/2011	15:40:00	15.64
6/13/2011	15:50:00	15.70
6/13/2011	16:00:00	15.89
6/13/2011	16:10:00	15.99
6/13/2011	16:20:00	16.12
6/13/2011	16:30:00	16.40
6/13/2011	16:40:00	16.31
6/13/2011	16:50:00	16.37
6/13/2011	17:00:00	16.41
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6/13/2011	17:20:00	16.70
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6/13/2011	17:40:00	16.76
6/13/2011	17:50:00	16.85
6/13/2011	18:00:00	16.94
6/13/2011	18:10:00	16.96
6/13/2011	18:20:00	17.01
6/13/2011	18:30:00	17.09
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6/13/2011	18:50:00	17.13
6/13/2011	19:00:00	17.15
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6/13/2011	19:20:00	17.21
6/13/2011	19:30:00	17.19
6/13/2011	19:40:00	17.15
6/13/2011	19:50:00	17.14
6/13/2011	20:00:00	17.16
6/13/2011	20:10:00	17.22

Date	Time	Temp °C
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6/13/2011	20:30:00	17.39
6/13/2011	20:40:00	17.47
6/13/2011	20:50:00	17.55
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6/13/2011	21:10:00	17.67
6/13/2011	21:20:00	17.72
6/13/2011	21:30:00	17.76
6/13/2011	21:40:00	17.78
6/13/2011	21:50:00	17.81
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6/13/2011	22:20:00	17.88
6/13/2011	22:30:00	17.88
6/13/2011	22:40:00	17.88
6/13/2011	22:50:00	17.88
6/13/2011	23:00:00	17.87
6/13/2011	23:10:00	17.85
6/13/2011	23:20:00	17.81
6/13/2011	23:30:00	17.78
6/13/2011	23:40:00	17.76
6/13/2011	23:50:00	17.74
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6/14/2011	0:20:00	17.64
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6/14/2011	1:40:00	17.28
6/14/2011	1:50:00	17.23
6/14/2011	2:00:00	17.20
6/14/2011	2:10:00	17.15
6/14/2011	2:20:00	17.11
6/14/2011	2:30:00	17.06
6/14/2011	2:40:00	17.01
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6/14/2011	3:10:00	16.90
6/14/2011	3:20:00	16.86
6/14/2011	3:30:00	16.82
6/14/2011	3:40:00	16.78
6/14/2011	3:50:00	16.74
6/14/2011	4:00:00	16.69
6/14/2011	4:10:00	16.65
6/14/2011	4:20:00	16.59
6/14/2011	4:30:00	16.55

Date	Time	Temp °C
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6/14/2011	4:50:00	16.44
6/14/2011	5:00:00	16.40
6/14/2011	5:10:00	16.35
6/14/2011	5:20:00	16.29
6/14/2011	5:30:00	16.25
6/14/2011	5:40:00	16.20
6/14/2011	5:50:00	16.15
6/14/2011	6:00:00	16.09
6/14/2011	6:10:00	16.05
6/14/2011	6:20:00	16.01
6/14/2011	6:30:00	15.97
6/14/2011	6:40:00	15.95
6/14/2011	6:50:00	15.94
6/14/2011	7:00:00	15.92
6/14/2011	7:10:00	15.88
6/14/2011	7:20:00	15.86
6/14/2011	7:30:00	15.87
6/14/2011	7:40:00	15.91
6/14/2011	7:50:00	15.92
6/14/2011	8:00:00	15.93
6/14/2011	8:10:00	15.94
6/14/2011	8:20:00	15.93
6/14/2011	8:30:00	15.93
6/14/2011	8:40:00	15.98
6/14/2011	8:50:00	16.04
6/14/2011	9:00:00	16.15
6/14/2011	9:10:00	16.23
6/14/2011	9:20:00	16.37
6/14/2011	9:30:00	16.46
6/14/2011	9:40:00	16.56
6/14/2011	9:50:00	16.65
6/14/2011	10:00:00	16.74
6/14/2011	10:10:00	16.75
6/14/2011	10:20:00	16.82
6/14/2011	10:30:00	16.87
6/14/2011	10:40:00	16.91
6/14/2011	10:50:00	17.01
6/14/2011	11:00:00	17.03
6/14/2011	11:10:00	17.09
6/14/2011	11:20:00	17.22
6/14/2011	11:30:00	17.36
6/14/2011	11:40:00	17.49
6/14/2011	11:50:00	17.59
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6/14/2011	12:30:00	17.81
6/14/2011	12:40:00	17.95
6/14/2011	12:50:00	18.07

Date	Time	Temp °C
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6/14/2011	13:20:00	18.51
6/14/2011	13:30:00	18.54
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6/14/2011	13:50:00	18.62
6/14/2011	14:00:00	18.85
6/14/2011	14:10:00	18.96
6/14/2011	14:20:00	19.16
6/14/2011	14:30:00	19.36
6/14/2011	14:40:00	19.45
6/14/2011	14:50:00	19.67
6/14/2011	15:00:00	19.72
6/14/2011	15:10:00	19.85
6/14/2011	15:20:00	19.88
6/14/2011	15:30:00	19.93
6/14/2011	15:40:00	19.95
6/14/2011	15:50:00	19.94
6/14/2011	16:00:00	19.92
6/14/2011	16:10:00	19.95
6/14/2011	16:20:00	19.95
6/14/2011	16:30:00	19.91
6/14/2011	16:40:00	19.86
6/14/2011	16:50:00	19.84
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6/14/2011	17:10:00	19.76
6/14/2011	17:20:00	19.70
6/14/2011	17:30:00	19.66
6/14/2011	17:40:00	19.62
6/14/2011	17:50:00	19.56
6/14/2011	18:00:00	19.53
6/14/2011	18:10:00	19.50
6/14/2011	18:20:00	19.45
6/14/2011	18:30:00	19.40
6/14/2011	18:40:00	19.33
6/14/2011	18:50:00	19.28
6/14/2011	19:00:00	19.23
6/14/2011	19:10:00	19.17
6/14/2011	19:20:00	19.12
6/14/2011	19:30:00	19.05
6/14/2011	19:40:00	18.99
6/14/2011	19:50:00	18.92
6/14/2011	20:00:00	18.86
6/14/2011	20:10:00	18.80
6/14/2011	20:20:00	18.73
6/14/2011	20:30:00	18.66
6/14/2011	20:40:00	18.57
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6/14/2011	21:00:00	18.40
6/14/2011	21:10:00	18.30

Date	Time	Temp °C
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6/14/2011	21:30:00	18.11
6/14/2011	21:40:00	18.02
6/14/2011	21:50:00	17.93
6/14/2011	22:00:00	17.84
6/14/2011	22:10:00	17.75
6/14/2011	22:20:00	17.65
6/14/2011	22:30:00	17.56
6/14/2011	22:40:00	17.47
6/14/2011	22:50:00	17.37
6/14/2011	23:00:00	17.29
6/14/2011	23:10:00	17.20
6/14/2011	23:20:00	17.12
6/14/2011	23:30:00	17.03
6/14/2011	23:40:00	16.95
6/14/2011	23:50:00	16.87
6/15/2011	0:00:00	16.79
6/15/2011	0:10:00	16.72
6/15/2011	0:20:00	16.66
6/15/2011	0:30:00	16.58
6/15/2011	0:40:00	16.52
6/15/2011	0:50:00	16.46
6/15/2011	1:00:00	16.40
6/15/2011	1:10:00	16.34
6/15/2011	1:20:00	16.27
6/15/2011	1:30:00	16.20
6/15/2011	1:40:00	16.14
6/15/2011	1:50:00	16.08
6/15/2011	2:00:00	16.02
6/15/2011	2:10:00	15.97
6/15/2011	2:20:00	15.91
6/15/2011	2:30:00	15.84
6/15/2011	2:40:00	15.80
6/15/2011	2:50:00	15.74
6/15/2011	3:00:00	15.69
6/15/2011	3:10:00	15.63
6/15/2011	3:20:00	15.58
6/15/2011	3:30:00	15.53
6/15/2011	3:40:00	15.49
6/15/2011	3:50:00	15.43
6/15/2011	4:00:00	15.39
6/15/2011	4:10:00	15.34
6/15/2011	4:20:00	15.30
6/15/2011	4:30:00	15.27
6/15/2011	4:40:00	15.23
6/15/2011	4:50:00	15.19
6/15/2011	5:00:00	15.15
6/15/2011	5:10:00	15.11
6/15/2011	5:20:00	15.08
6/15/2011	5:30:00	15.05

Date	Time	Temp °C
6/15/2011	5:40:00	15.03
6/15/2011	5:50:00	15.00
6/15/2011	6:00:00	14.97
6/15/2011	6:10:00	14.95
6/15/2011	6:20:00	14.92
6/15/2011	6:30:00	14.91
6/15/2011	6:40:00	14.88
6/15/2011	6:50:00	14.88
6/15/2011	7:00:00	14.86
6/15/2011	7:10:00	14.86
6/15/2011	7:20:00	14.85
6/15/2011	7:30:00	14.86
6/15/2011	7:40:00	14.86
6/15/2011	7:50:00	14.87
6/15/2011	8:00:00	14.87
6/15/2011	8:10:00	14.86
6/15/2011	8:20:00	14.88
6/15/2011	8:30:00	14.96
6/15/2011	8:40:00	15.02
6/15/2011	8:50:00	15.10
6/15/2011	9:00:00	15.21
6/15/2011	9:10:00	15.33
6/15/2011	9:20:00	15.47
6/15/2011	9:30:00	15.57
6/15/2011	9:40:00	15.71
6/15/2011	9:50:00	15.84
6/15/2011	10:00:00	15.98
6/15/2011	10:10:00	16.14
6/15/2011	10:20:00	16.28
6/15/2011	10:30:00	16.44
6/15/2011	10:40:00	16.56
6/15/2011	10:50:00	16.68
6/15/2011	11:00:00	16.83
6/15/2011	11:10:00	16.97
6/15/2011	11:20:00	17.15
6/15/2011	11:30:00	17.33
6/15/2011	11:40:00	17.53
6/15/2011	11:50:00	17.70
6/15/2011	12:00:00	17.89
6/15/2011	12:10:00	18.15
6/15/2011	12:20:00	18.37
6/15/2011	12:30:00	18.57
6/15/2011	12:40:00	18.79
6/15/2011	12:50:00	19.00
6/15/2011	13:00:00	19.24
6/15/2011	13:10:00	19.51
6/15/2011	13:20:00	19.75
6/15/2011	13:30:00	20.02
6/15/2011	13:40:00	20.25
6/15/2011	13:50:00	20.49

Date	Time	Temp °C
6/15/2011	14:00:00	20.65
6/15/2011	14:10:00	20.84
6/15/2011	14:20:00	21.04
6/15/2011	14:30:00	21.20
6/15/2011	14:40:00	21.32
6/15/2011	14:50:00	21.44
6/15/2011	15:00:00	21.53
6/15/2011	15:10:00	21.67
6/15/2011	15:20:00	21.83
6/15/2011	15:30:00	21.97
6/15/2011	15:40:00	22.10
6/15/2011	15:50:00	22.14
6/15/2011	16:00:00	22.18
6/15/2011	16:10:00	22.29
6/15/2011	16:20:00	22.30
6/15/2011	16:30:00	22.35
6/15/2011	16:40:00	22.43
6/15/2011	16:50:00	22.50
6/15/2011	17:00:00	22.55
6/15/2011	17:10:00	22.47
6/15/2011	17:20:00	22.49
6/15/2011	17:30:00	22.49
6/15/2011	17:40:00	22.54
6/15/2011	17:50:00	22.61
6/15/2011	18:00:00	22.63
6/15/2011	18:10:00	22.58
6/15/2011	18:20:00	22.56
6/15/2011	18:30:00	22.58
6/15/2011	18:40:00	22.47
6/15/2011	18:50:00	22.37
6/15/2011	19:00:00	22.29
6/15/2011	19:10:00	22.17
6/15/2011	19:20:00	22.04
6/15/2011	19:30:00	21.91
6/15/2011	19:40:00	21.77
6/15/2011	19:50:00	21.62
6/15/2011	20:00:00	21.52
6/15/2011	20:10:00	21.37
6/15/2011	20:20:00	21.21
6/15/2011	20:30:00	21.07
6/15/2011	20:40:00	20.91
6/15/2011	20:50:00	20.74
6/15/2011	21:00:00	20.57
6/15/2011	21:10:00	20.40
6/15/2011	21:20:00	20.23
6/15/2011	21:30:00	20.08
6/15/2011	21:40:00	19.93
6/15/2011	21:50:00	19.78
6/15/2011	22:00:00	19.63
6/15/2011	22:10:00	19.51

Date	Time	Temp °C
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6/15/2011	22:40:00	19.14
6/15/2011	22:50:00	19.02
6/15/2011	23:00:00	18.90
6/15/2011	23:10:00	18.78
6/15/2011	23:20:00	18.68
6/15/2011	23:30:00	18.58
6/15/2011	23:40:00	18.48
6/15/2011	23:50:00	18.39
6/16/2011	0:00:00	18.29
6/16/2011	0:10:00	18.19
6/16/2011	0:20:00	18.11
6/16/2011	0:30:00	18.03
6/16/2011	0:40:00	17.95
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6/16/2011	1:20:00	17.66
6/16/2011	1:30:00	17.59
6/16/2011	1:40:00	17.53
6/16/2011	1:50:00	17.47
6/16/2011	2:00:00	17.40
6/16/2011	2:10:00	17.35
6/16/2011	2:20:00	17.28
6/16/2011	2:30:00	17.23
6/16/2011	2:40:00	17.17
6/16/2011	2:50:00	17.12
6/16/2011	3:00:00	17.08
6/16/2011	3:10:00	17.04
6/16/2011	3:20:00	16.99
6/16/2011	3:30:00	16.94
6/16/2011	3:40:00	16.90
6/16/2011	3:50:00	16.86
6/16/2011	4:00:00	16.83
6/16/2011	4:10:00	16.80
6/16/2011	4:20:00	16.77
6/16/2011	4:30:00	16.74
6/16/2011	4:40:00	16.71
6/16/2011	4:50:00	16.69
6/16/2011	5:00:00	16.67
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6/16/2011	5:30:00	16.58
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6/16/2011	5:50:00	16.52
6/16/2011	6:00:00	16.49
6/16/2011	6:10:00	16.46
6/16/2011	6:20:00	16.44
6/16/2011	6:30:00	16.43

Date	Time	Temp °C
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6/16/2011	7:10:00	16.40
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6/16/2011	8:50:00	16.68
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6/16/2011	9:10:00	16.77
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6/16/2011	9:30:00	16.85
6/16/2011	9:40:00	16.88
6/16/2011	9:50:00	16.97
6/16/2011	10:00:00	17.10
6/16/2011	10:10:00	17.28
6/16/2011	10:20:00	17.47
6/16/2011	10:30:00	17.73
6/16/2011	10:40:00	17.85
6/16/2011	10:50:00	17.94
6/16/2011	11:00:00	18.02
6/16/2011	11:10:00	18.07
6/16/2011	11:20:00	18.13
6/16/2011	11:30:00	18.19
6/16/2011	11:40:00	18.21
6/16/2011	11:50:00	18.31
6/16/2011	12:00:00	18.30
6/16/2011	12:10:00	18.25
6/16/2011	12:20:00	18.27
6/16/2011	12:30:00	18.33
6/16/2011	12:40:00	18.49
6/16/2011	12:50:00	18.68
6/16/2011	13:00:00	18.77
6/16/2011	13:10:00	18.82
6/16/2011	13:20:00	18.86
6/16/2011	13:30:00	19.08
6/16/2011	13:40:00	19.22
6/16/2011	13:50:00	19.24
6/16/2011	14:00:00	19.31
6/16/2011	14:10:00	19.53
6/16/2011	14:20:00	19.58
6/16/2011	14:30:00	19.88
6/16/2011	14:40:00	20.08
6/16/2011	14:50:00	20.18

Date	Time	Temp °C
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6/16/2011	15:20:00	20.83
6/16/2011	15:30:00	21.00
6/16/2011	15:40:00	21.19
6/16/2011	15:50:00	21.40
6/16/2011	16:00:00	21.52
6/16/2011	16:10:00	21.76
6/16/2011	16:20:00	21.95
6/16/2011	16:30:00	22.07
6/16/2011	16:40:00	22.19
6/16/2011	16:50:00	22.32
6/16/2011	17:00:00	22.43
6/16/2011	17:10:00	22.48
6/16/2011	17:20:00	22.53
6/16/2011	17:30:00	22.35
6/16/2011	17:40:00	22.37
6/16/2011	17:50:00	22.24
6/16/2011	18:00:00	22.33
6/16/2011	18:10:00	22.24
6/16/2011	18:20:00	22.20
6/16/2011	18:30:00	22.22
6/16/2011	18:40:00	22.03
6/16/2011	18:50:00	21.90
6/16/2011	19:00:00	21.83
6/16/2011	19:10:00	21.74
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6/16/2011	19:30:00	21.39
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6/16/2011	19:50:00	21.11
6/16/2011	20:00:00	20.99
6/16/2011	20:10:00	20.85
6/16/2011	20:20:00	20.72
6/16/2011	20:30:00	20.60
6/16/2011	20:40:00	20.47
6/16/2011	20:50:00	20.35
6/16/2011	21:00:00	20.23
6/16/2011	21:10:00	20.12
6/16/2011	21:20:00	20.03
6/16/2011	21:30:00	19.91
6/16/2011	21:40:00	19.81
6/16/2011	21:50:00	19.72
6/16/2011	22:00:00	19.63
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6/16/2011	22:50:00	19.13
6/16/2011	23:00:00	19.06
6/16/2011	23:10:00	18.96

Date	Time	Temp °C
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6/16/2011	23:40:00	18.72
6/16/2011	23:50:00	18.62
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6/17/2011	0:10:00	18.45
6/17/2011	0:20:00	18.34
6/17/2011	0:30:00	18.25
6/17/2011	0:40:00	18.15
6/17/2011	0:50:00	18.06
6/17/2011	1:00:00	17.96
6/17/2011	1:10:00	17.87
6/17/2011	1:20:00	17.79
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6/17/2011	2:50:00	17.12
6/17/2011	3:00:00	17.05
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6/17/2011	3:20:00	16.91
6/17/2011	3:30:00	16.83
6/17/2011	3:40:00	16.78
6/17/2011	3:50:00	16.74
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6/17/2011	4:10:00	16.63
6/17/2011	4:20:00	16.58
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6/17/2011	5:40:00	16.25
6/17/2011	5:50:00	16.21
6/17/2011	6:00:00	16.20
6/17/2011	6:10:00	16.17
6/17/2011	6:20:00	16.15
6/17/2011	6:30:00	16.13
6/17/2011	6:40:00	16.12
6/17/2011	6:50:00	16.12
6/17/2011	7:00:00	16.12
6/17/2011	7:10:00	16.13
6/17/2011	7:20:00	16.12
6/17/2011	7:30:00	16.13

Date	Time	Temp °C
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6/17/2011	7:50:00	16.15
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6/17/2011	8:20:00	16.24
6/17/2011	8:30:00	16.28
6/17/2011	8:40:00	16.30
6/17/2011	8:50:00	16.38
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6/17/2011	11:20:00	18.24
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6/17/2011	12:10:00	18.98
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6/17/2011	12:50:00	19.46
6/17/2011	13:00:00	19.69
6/17/2011	13:10:00	19.63
6/17/2011	13:20:00	18.90
6/17/2011	13:30:00	17.27
6/17/2011	13:40:00	16.72
6/17/2011	13:50:00	16.59
6/17/2011	14:00:00	16.48
6/17/2011	14:10:00	16.29
6/17/2011	14:20:00	16.22
6/17/2011	14:30:00	16.22
6/17/2011	14:40:00	16.29
6/17/2011	14:50:00	16.46
6/17/2011	15:00:00	16.55
6/17/2011	15:10:00	16.59
6/17/2011	15:20:00	16.63
6/17/2011	15:30:00	16.71
6/17/2011	15:40:00	16.83
6/17/2011	15:50:00	17.04

Date	Time	Temp °C
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6/17/2011	16:10:00	17.37
6/17/2011	16:20:00	17.58
6/17/2011	16:30:00	17.68
6/17/2011	16:40:00	17.99
6/17/2011	16:50:00	18.09
6/17/2011	17:00:00	18.23
6/17/2011	17:10:00	18.36
6/17/2011	17:20:00	18.52
6/17/2011	17:30:00	18.63
6/17/2011	17:40:00	18.71
6/17/2011	17:50:00	18.87
6/17/2011	18:00:00	19.03
6/17/2011	18:10:00	19.15
6/17/2011	18:20:00	19.13
6/17/2011	18:30:00	19.12
6/17/2011	18:40:00	19.14
6/17/2011	18:50:00	19.15
6/17/2011	19:00:00	19.13
6/17/2011	19:10:00	19.14
6/17/2011	19:20:00	19.14
6/17/2011	19:30:00	19.17
6/17/2011	19:40:00	19.23
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6/17/2011	20:00:00	19.32
6/17/2011	20:10:00	19.36
6/17/2011	20:20:00	19.42
6/17/2011	20:30:00	19.48
6/17/2011	20:40:00	19.52
6/17/2011	20:50:00	19.56
6/17/2011	21:00:00	19.60
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6/17/2011	21:40:00	19.59
6/17/2011	21:50:00	19.57
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6/17/2011	23:40:00	19.09
6/17/2011	23:50:00	19.04
6/18/2011	0:00:00	18.99
6/18/2011	0:10:00	18.95

Date	Time	Temp °C
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6/18/2011	0:50:00	18.81
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6/18/2011	1:40:00	18.62
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6/18/2011	2:20:00	18.49
6/18/2011	2:30:00	18.46
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6/18/2011	4:00:00	18.17
6/18/2011	4:10:00	18.14
6/18/2011	4:20:00	18.10
6/18/2011	4:30:00	18.06
6/18/2011	4:40:00	18.02
6/18/2011	4:50:00	17.98
6/18/2011	5:00:00	17.94
6/18/2011	5:10:00	17.91
6/18/2011	5:20:00	17.88
6/18/2011	5:30:00	17.86
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6/18/2011	5:50:00	17.79
6/18/2011	6:00:00	17.76
6/18/2011	6:10:00	17.73
6/18/2011	6:20:00	17.70
6/18/2011	6:30:00	17.67
6/18/2011	6:40:00	17.63
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6/18/2011	7:10:00	17.53
6/18/2011	7:20:00	17.50
6/18/2011	7:30:00	17.48
6/18/2011	7:40:00	17.48
6/18/2011	7:50:00	17.48
6/18/2011	8:00:00	17.48
6/18/2011	8:10:00	17.48
6/18/2011	8:20:00	17.50
6/18/2011	8:30:00	17.52

Date	Time	Temp °C
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6/18/2011	9:50:00	18.16
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6/18/2011	11:40:00	18.97
6/18/2011	11:50:00	19.09
6/18/2011	12:00:00	19.20
6/18/2011	12:10:00	19.40
6/18/2011	12:20:00	19.53
6/18/2011	12:30:00	19.46
6/18/2011	12:40:00	19.45
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6/18/2011	13:00:00	19.06
6/18/2011	13:10:00	17.87
6/18/2011	13:20:00	16.53
6/18/2011	13:30:00	16.47
6/18/2011	13:40:00	16.40
6/18/2011	13:50:00	16.30
6/18/2011	14:00:00	16.29
6/18/2011	14:10:00	16.33
6/18/2011	14:20:00	16.31
6/18/2011	14:30:00	16.25
6/18/2011	14:40:00	16.22
6/18/2011	14:50:00	16.14
6/18/2011	15:00:00	16.09
6/18/2011	15:10:00	16.02
6/18/2011	15:20:00	16.00
6/18/2011	15:30:00	15.99
6/18/2011	15:40:00	15.99
6/18/2011	15:50:00	16.02
6/18/2011	16:00:00	16.10
6/18/2011	16:10:00	16.18
6/18/2011	16:20:00	16.26
6/18/2011	16:30:00	16.39
6/18/2011	16:40:00	16.45
6/18/2011	16:50:00	16.53

Date	Time	Temp °C
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6/18/2011	17:20:00	17.14
6/18/2011	17:30:00	17.65
6/18/2011	17:40:00	18.10
6/18/2011	17:50:00	18.48
6/18/2011	18:00:00	18.79
6/18/2011	18:10:00	19.05
6/18/2011	18:20:00	19.25
6/18/2011	18:30:00	19.42
6/18/2011	18:40:00	19.55
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6/18/2011	19:00:00	19.70
6/18/2011	19:10:00	19.78
6/18/2011	19:20:00	19.82
6/18/2011	19:30:00	19.87
6/18/2011	19:40:00	19.90
6/18/2011	19:50:00	19.92
6/18/2011	20:00:00	19.93
6/18/2011	20:10:00	19.95
6/18/2011	20:20:00	19.96
6/18/2011	20:30:00	19.97
6/18/2011	20:40:00	19.98
6/18/2011	20:50:00	19.99
6/18/2011	21:00:00	19.99
6/18/2011	21:10:00	19.99
6/18/2011	21:20:00	19.99
6/18/2011	21:30:00	19.99
6/18/2011	21:40:00	19.98
6/18/2011	21:50:00	19.98
6/18/2011	22:00:00	19.98
6/18/2011	22:10:00	19.98
6/18/2011	22:20:00	19.98
6/18/2011	22:30:00	19.98
6/18/2011	22:40:00	19.98
6/18/2011	22:50:00	19.98
6/18/2011	23:00:00	19.98
6/18/2011	23:10:00	19.97
6/18/2011	23:20:00	19.94
6/18/2011	23:30:00	19.92
6/18/2011	23:40:00	19.89
6/18/2011	23:50:00	19.86
6/19/2011	0:00:00	19.80
6/19/2011	0:10:00	19.73
6/19/2011	0:20:00	19.66
6/19/2011	0:30:00	19.52
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6/19/2011	0:50:00	19.22
6/19/2011	1:00:00	19.08
6/19/2011	1:10:00	18.83

Date	Time	Temp °C
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6/19/2011	1:30:00	18.42
6/19/2011	1:40:00	18.26
6/19/2011	1:50:00	18.11
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6/19/2011	2:20:00	17.78
6/19/2011	2:30:00	17.79
6/19/2011	2:40:00	17.71
6/19/2011	2:50:00	17.57
6/19/2011	3:00:00	17.37
6/19/2011	3:10:00	17.11
6/19/2011	3:20:00	16.85
6/19/2011	3:30:00	16.68
6/19/2011	3:40:00	16.60
6/19/2011	3:50:00	16.56
6/19/2011	4:00:00	16.51
6/19/2011	4:10:00	16.46
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6/19/2011	4:50:00	16.42
6/19/2011	5:00:00	16.41
6/19/2011	5:10:00	16.42
6/19/2011	5:20:00	16.42
6/19/2011	5:30:00	16.43
6/19/2011	5:40:00	16.45
6/19/2011	5:50:00	16.46
6/19/2011	6:00:00	16.47
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6/19/2011	6:50:00	16.51
6/19/2011	7:00:00	16.51
6/19/2011	7:10:00	16.53
6/19/2011	7:20:00	16.55
6/19/2011	7:30:00	16.57
6/19/2011	7:40:00	16.58
6/19/2011	7:50:00	16.60
6/19/2011	8:00:00	16.64
6/19/2011	8:10:00	16.66
6/19/2011	8:20:00	16.68
6/19/2011	8:30:00	16.70
6/19/2011	8:40:00	16.75
6/19/2011	8:50:00	16.78
6/19/2011	9:00:00	16.84
6/19/2011	9:10:00	16.89
6/19/2011	9:20:00	16.96
6/19/2011	9:30:00	17.00

Date	Time	Temp °C
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6/19/2011	10:20:00	17.20
6/19/2011	10:30:00	17.21
6/19/2011	10:40:00	17.21
6/19/2011	10:50:00	17.24
6/19/2011	11:00:00	17.24
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6/19/2011	12:00:00	17.38
6/19/2011	12:10:00	17.40
6/19/2011	12:20:00	17.44
6/19/2011	12:30:00	17.47
6/19/2011	12:40:00	17.50
6/19/2011	12:50:00	17.52
6/19/2011	13:00:00	17.56
6/19/2011	13:10:00	17.60
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6/19/2011	13:30:00	17.73
6/19/2011	13:40:00	17.79
6/19/2011	13:50:00	17.87
6/19/2011	14:00:00	17.97
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6/19/2011	14:30:00	18.14
6/19/2011	14:40:00	18.18
6/19/2011	14:50:00	18.20
6/19/2011	15:00:00	18.22
6/19/2011	15:10:00	18.26
6/19/2011	15:20:00	18.33
6/19/2011	15:30:00	18.40
6/19/2011	15:40:00	18.46
6/19/2011	15:50:00	18.48
6/19/2011	16:00:00	18.50
6/19/2011	16:10:00	18.50
6/19/2011	16:20:00	18.51
6/19/2011	16:30:00	18.51
6/19/2011	16:40:00	18.55
6/19/2011	16:50:00	18.56
6/19/2011	17:00:00	18.59
6/19/2011	17:10:00	18.65
6/19/2011	17:20:00	18.66
6/19/2011	17:30:00	18.65
6/19/2011	17:40:00	18.66
6/19/2011	17:50:00	18.66

Date	Time	Temp °C
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6/19/2011	18:20:00	18.63
6/19/2011	18:30:00	18.59
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6/19/2011	19:20:00	18.43
6/19/2011	19:30:00	18.38
6/19/2011	19:40:00	18.32
6/19/2011	19:50:00	18.30
6/19/2011	20:00:00	18.24
6/19/2011	20:10:00	18.20
6/19/2011	20:20:00	18.17
6/19/2011	20:30:00	18.14
6/19/2011	20:40:00	18.12
6/19/2011	20:50:00	18.10
6/19/2011	21:00:00	18.08
6/19/2011	21:10:00	18.05
6/19/2011	21:20:00	18.03
6/19/2011	21:30:00	18.01
6/19/2011	21:40:00	18.00
6/19/2011	21:50:00	17.98
6/19/2011	22:00:00	17.97
6/19/2011	22:10:00	17.96
6/19/2011	22:20:00	17.95
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6/19/2011	23:40:00	17.94
6/19/2011	23:50:00	17.94
6/20/2011	0:00:00	17.94
6/20/2011	0:10:00	17.94
6/20/2011	0:20:00	17.93
6/20/2011	0:30:00	17.93
6/20/2011	0:40:00	17.93
6/20/2011	0:50:00	17.93
6/20/2011	1:00:00	17.92
6/20/2011	1:10:00	17.91
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6/20/2011	1:40:00	17.89
6/20/2011	1:50:00	17.88
6/20/2011	2:00:00	17.87
6/20/2011	2:10:00	17.87

Date	Time	Temp °C
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6/20/2011	2:40:00	17.85
6/20/2011	2:50:00	17.84
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6/20/2011	3:30:00	17.80
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6/20/2011	5:50:00	17.59
6/20/2011	6:00:00	17.57
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6/20/2011	8:20:00	17.34
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6/20/2011	9:30:00	17.29
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6/20/2011	9:50:00	17.31
6/20/2011	10:00:00	17.31
6/20/2011	10:10:00	17.32
6/20/2011	10:20:00	17.33
6/20/2011	10:30:00	17.34

Date	Time	Temp °C
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6/20/2011	10:50:00	17.35
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6/20/2011	11:10:00	17.34
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6/20/2011	13:30:00	17.99
6/20/2011	13:40:00	18.05
6/20/2011	13:50:00	18.15
6/20/2011	14:00:00	18.23
6/20/2011	14:10:00	18.24
6/20/2011	14:20:00	18.27
6/20/2011	14:30:00	18.29
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6/20/2011	15:50:00	16.79
6/20/2011	16:00:00	16.90
6/20/2011	16:10:00	16.95
6/20/2011	16:20:00	17.02
6/20/2011	16:30:00	17.07
6/20/2011	16:40:00	17.06
6/20/2011	16:50:00	17.09
6/20/2011	17:00:00	17.06
6/20/2011	17:10:00	17.05
6/20/2011	17:20:00	17.06
6/20/2011	17:30:00	17.01
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6/20/2011	17:50:00	16.94
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6/20/2011	18:10:00	16.89
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6/20/2011	18:30:00	16.84
6/20/2011	18:40:00	16.80
6/20/2011	18:50:00	16.74

Date	Time	Temp °C
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6/20/2011	19:20:00	16.63
6/20/2011	19:30:00	16.60
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6/20/2011	20:20:00	16.41
6/20/2011	20:30:00	16.37
6/20/2011	20:40:00	16.35
6/20/2011	20:50:00	16.35
6/20/2011	21:00:00	16.68
6/20/2011	21:10:00	17.13
6/20/2011	21:20:00	17.44
6/20/2011	21:30:00	17.65
6/20/2011	21:40:00	17.81
6/20/2011	21:50:00	17.92
6/20/2011	22:00:00	17.99
6/20/2011	22:10:00	18.04
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6/20/2011	22:30:00	18.08
6/20/2011	22:40:00	18.09
6/20/2011	22:50:00	18.09
6/20/2011	23:00:00	18.09
6/20/2011	23:10:00	18.08
6/20/2011	23:20:00	18.07
6/20/2011	23:30:00	18.06
6/20/2011	23:40:00	18.05
6/20/2011	23:50:00	18.04
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6/21/2011	0:10:00	18.01
6/21/2011	0:20:00	17.99
6/21/2011	0:30:00	17.97
6/21/2011	0:40:00	17.96
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6/21/2011	1:40:00	17.87
6/21/2011	1:50:00	17.85
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6/21/2011	2:40:00	17.77
6/21/2011	2:50:00	17.75
6/21/2011	3:00:00	17.73
6/21/2011	3:10:00	17.72

Date	Time	Temp °C
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6/21/2011	3:50:00	17.66
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6/21/2011	6:50:00	17.38
6/21/2011	7:00:00	17.38
6/21/2011	7:10:00	17.37
6/21/2011	7:20:00	17.36
6/21/2011	7:30:00	17.36
6/21/2011	7:40:00	17.36
6/21/2011	7:50:00	17.36
6/21/2011	8:00:00	17.36
6/21/2011	8:10:00	17.36
6/21/2011	8:20:00	17.37
6/21/2011	8:30:00	17.39
6/21/2011	8:40:00	17.42
6/21/2011	8:50:00	17.46
6/21/2011	9:00:00	17.47
6/21/2011	9:10:00	17.49
6/21/2011	9:20:00	17.55
6/21/2011	9:30:00	17.61
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6/21/2011	9:50:00	17.68
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6/21/2011	10:50:00	18.22
6/21/2011	11:00:00	18.29
6/21/2011	11:10:00	18.36
6/21/2011	11:20:00	18.45
6/21/2011	11:30:00	18.53

Date	Time	Temp °C
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6/21/2011	11:50:00	18.67
6/21/2011	12:00:00	18.68
6/21/2011	12:10:00	18.80
6/21/2011	12:20:00	18.96
6/21/2011	12:30:00	19.10
6/21/2011	12:40:00	19.20
6/21/2011	12:50:00	19.20
6/21/2011	13:00:00	19.21
6/21/2011	13:10:00	19.19
6/21/2011	13:20:00	19.19
6/21/2011	13:30:00	19.32
6/21/2011	13:40:00	19.36
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6/21/2011	14:10:00	19.53
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6/21/2011	14:30:00	19.82
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6/21/2011	17:20:00	16.52
6/21/2011	17:30:00	16.53
6/21/2011	17:40:00	16.52
6/21/2011	17:50:00	16.52
6/21/2011	18:00:00	16.51
6/21/2011	18:10:00	16.49
6/21/2011	18:20:00	16.48
6/21/2011	18:30:00	16.43
6/21/2011	18:40:00	16.41
6/21/2011	18:50:00	16.36
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6/21/2011	19:30:00	16.12
6/21/2011	19:40:00	16.07
6/21/2011	19:50:00	16.06

Date	Time	Temp °C
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6/21/2011	20:10:00	16.05
6/21/2011	20:20:00	16.05
6/21/2011	20:30:00	16.25
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6/21/2011	22:30:00	19.06
6/21/2011	22:40:00	19.11
6/21/2011	22:50:00	19.13
6/21/2011	23:00:00	19.14
6/21/2011	23:10:00	19.16
6/21/2011	23:20:00	19.15
6/21/2011	23:30:00	19.17
6/21/2011	23:40:00	19.17
6/21/2011	23:50:00	19.17
6/22/2011	0:00:00	19.17
6/22/2011	0:10:00	19.16
6/22/2011	0:20:00	19.15
6/22/2011	0:30:00	19.15
6/22/2011	0:40:00	19.14
6/22/2011	0:50:00	19.13
6/22/2011	1:00:00	19.11
6/22/2011	1:10:00	19.10
6/22/2011	1:20:00	19.08
6/22/2011	1:30:00	19.06
6/22/2011	1:40:00	19.05
6/22/2011	1:50:00	19.03
6/22/2011	2:00:00	19.02
6/22/2011	2:10:00	19.00
6/22/2011	2:20:00	19.00
6/22/2011	2:30:00	18.98
6/22/2011	2:40:00	18.97
6/22/2011	2:50:00	18.95
6/22/2011	3:00:00	18.94
6/22/2011	3:10:00	18.93
6/22/2011	3:20:00	18.91
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6/22/2011	3:50:00	18.86
6/22/2011	4:00:00	18.85
6/22/2011	4:10:00	18.83

Date	Time	Temp °C
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6/22/2011	4:30:00	18.80
6/22/2011	4:40:00	18.78
6/22/2011	4:50:00	18.77
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6/22/2011	5:10:00	18.73
6/22/2011	5:20:00	18.71
6/22/2011	5:30:00	18.69
6/22/2011	5:40:00	18.67
6/22/2011	5:50:00	18.65
6/22/2011	6:00:00	18.62
6/22/2011	6:10:00	18.60
6/22/2011	6:20:00	18.58
6/22/2011	6:30:00	18.56
6/22/2011	6:40:00	18.53
6/22/2011	6:50:00	18.53
6/22/2011	7:00:00	18.49
6/22/2011	7:10:00	18.48
6/22/2011	7:20:00	18.46
6/22/2011	7:30:00	18.46
6/22/2011	7:40:00	18.45
6/22/2011	7:50:00	18.44
6/22/2011	8:00:00	18.44
6/22/2011	8:10:00	18.44
6/22/2011	8:20:00	18.45
6/22/2011	8:30:00	18.48
6/22/2011	8:40:00	18.52
6/22/2011	8:50:00	18.51
6/22/2011	9:00:00	18.50
6/22/2011	9:10:00	18.52
6/22/2011	9:20:00	18.59
6/22/2011	9:30:00	18.64
6/22/2011	9:40:00	18.66
6/22/2011	9:50:00	18.70
6/22/2011	10:00:00	18.73
6/22/2011	10:10:00	18.75
6/22/2011	10:20:00	18.77
6/22/2011	10:30:00	18.82
6/22/2011	10:40:00	18.94
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6/22/2011	11:20:00	19.36
6/22/2011	11:30:00	19.48
6/22/2011	11:40:00	19.59
6/22/2011	11:50:00	19.67
6/22/2011	12:00:00	19.77
6/22/2011	12:10:00	19.89
6/22/2011	12:20:00	20.02
6/22/2011	12:30:00	20.16

Date	Time	Temp °C
6/22/2011	12:40:00	20.33
6/22/2011	12:50:00	20.55
6/22/2011	13:00:00	20.83
6/22/2011	13:10:00	21.02
6/22/2011	13:20:00	21.17
6/22/2011	13:30:00	21.29
6/22/2011	13:40:00	21.39
6/22/2011	13:50:00	21.48
6/22/2011	14:00:00	21.56
6/22/2011	14:10:00	21.62
6/22/2011	14:20:00	21.73
6/22/2011	14:30:00	21.79
6/22/2011	14:40:00	21.69
6/22/2011	14:50:00	21.51
6/22/2011	15:00:00	20.13
6/22/2011	15:10:00	18.47
6/22/2011	15:20:00	18.20
6/22/2011	15:30:00	17.98
6/22/2011	15:40:00	17.82
6/22/2011	15:50:00	17.70
6/22/2011	16:00:00	17.69
6/22/2011	16:10:00	17.70
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6/22/2011	16:40:00	17.63
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6/22/2011	17:50:00	17.09
6/22/2011	18:00:00	17.01
6/22/2011	18:10:00	16.90
6/22/2011	18:20:00	16.80
6/22/2011	18:30:00	16.63
6/22/2011	18:40:00	16.54
6/22/2011	18:50:00	16.43
6/22/2011	19:00:00	16.32
6/22/2011	19:10:00	16.23
6/22/2011	19:20:00	16.14
6/22/2011	19:30:00	16.07
6/22/2011	19:40:00	16.03
6/22/2011	19:50:00	16.01
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6/22/2011	20:10:00	16.00
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6/22/2011	20:40:00	16.06
6/22/2011	20:50:00	16.05

Date	Time	Temp °C
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6/22/2011	21:20:00	17.39
6/22/2011	21:30:00	17.89
6/22/2011	21:40:00	18.32
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6/22/2011	22:00:00	18.89
6/22/2011	22:10:00	19.14
6/22/2011	22:20:00	19.30
6/22/2011	22:30:00	19.44
6/22/2011	22:40:00	19.53
6/22/2011	22:50:00	19.61
6/22/2011	23:00:00	19.68
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6/22/2011	23:20:00	19.77
6/22/2011	23:30:00	19.80
6/22/2011	23:40:00	19.82
6/22/2011	23:50:00	19.85
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6/23/2011	0:10:00	19.87
6/23/2011	0:20:00	19.90
6/23/2011	0:30:00	19.89
6/23/2011	0:40:00	19.88
6/23/2011	0:50:00	19.87
6/23/2011	1:00:00	19.87
6/23/2011	1:10:00	19.86
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6/23/2011	2:40:00	19.79
6/23/2011	2:50:00	19.77
6/23/2011	3:00:00	19.76
6/23/2011	3:10:00	19.75
6/23/2011	3:20:00	19.73
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6/23/2011	3:40:00	19.72
6/23/2011	3:50:00	19.71
6/23/2011	4:00:00	19.70
6/23/2011	4:10:00	19.69
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6/23/2011	4:40:00	19.68
6/23/2011	4:50:00	19.68
6/23/2011	5:00:00	19.67
6/23/2011	5:10:00	19.66

Date	Time	Temp °C
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6/23/2011	5:30:00	19.65
6/23/2011	5:40:00	19.63
6/23/2011	5:50:00	19.62
6/23/2011	6:00:00	19.61
6/23/2011	6:10:00	19.59
6/23/2011	6:20:00	19.58
6/23/2011	6:30:00	19.57
6/23/2011	6:40:00	19.57
6/23/2011	6:50:00	19.55
6/23/2011	7:00:00	19.55
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6/23/2011	7:30:00	19.53
6/23/2011	7:40:00	19.53
6/23/2011	7:50:00	19.54
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6/23/2011	8:20:00	19.55
6/23/2011	8:30:00	19.56
6/23/2011	8:40:00	19.57
6/23/2011	8:50:00	19.57
6/23/2011	9:00:00	19.61
6/23/2011	9:10:00	19.62
6/23/2011	9:20:00	19.64
6/23/2011	9:30:00	19.65
6/23/2011	9:40:00	19.69
6/23/2011	9:50:00	19.73
6/23/2011	10:00:00	19.74
6/23/2011	10:10:00	19.77
6/23/2011	10:20:00	19.82
6/23/2011	10:30:00	19.86
6/23/2011	10:40:00	19.91
6/23/2011	10:50:00	19.94
6/23/2011	11:00:00	19.99
6/23/2011	11:10:00	20.03
6/23/2011	11:20:00	20.11
6/23/2011	11:30:00	20.16
6/23/2011	11:40:00	20.20
6/23/2011	11:50:00	20.25
6/23/2011	12:00:00	20.30
6/23/2011	12:10:00	20.30
6/23/2011	12:20:00	20.28
6/23/2011	12:30:00	20.27
6/23/2011	12:40:00	20.23
6/23/2011	12:50:00	20.19
6/23/2011	13:00:00	20.22
6/23/2011	13:10:00	20.23
6/23/2011	13:20:00	20.30
6/23/2011	13:30:00	20.40

Date	Time	Temp °C
6/23/2011	13:40:00	20.44
6/23/2011	13:50:00	20.54
6/23/2011	14:00:00	20.70
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6/23/2011	14:20:00	20.93
6/23/2011	14:30:00	20.97
6/23/2011	14:40:00	21.00
6/23/2011	14:50:00	20.81
6/23/2011	15:00:00	20.73
6/23/2011	15:10:00	19.67
6/23/2011	15:20:00	17.96
6/23/2011	15:30:00	17.76
6/23/2011	15:40:00	17.55
6/23/2011	15:50:00	17.35
6/23/2011	16:00:00	17.20
6/23/2011	16:10:00	17.10
6/23/2011	16:20:00	17.02
6/23/2011	16:30:00	16.94
6/23/2011	16:40:00	16.93
6/23/2011	16:50:00	16.88
6/23/2011	17:00:00	16.82
6/23/2011	17:10:00	16.75
6/23/2011	17:20:00	16.72
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6/23/2011	17:40:00	16.64
6/23/2011	17:50:00	16.59
6/23/2011	18:00:00	16.53
6/23/2011	18:10:00	16.48
6/23/2011	18:20:00	16.37
6/23/2011	18:30:00	16.27
6/23/2011	18:40:00	16.23
6/23/2011	18:50:00	16.13
6/23/2011	19:00:00	16.04
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6/23/2011	20:10:00	15.69
6/23/2011	20:20:00	15.70
6/23/2011	20:30:00	15.71
6/23/2011	20:40:00	15.75
6/23/2011	20:50:00	15.76
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6/23/2011	21:10:00	15.80
6/23/2011	21:20:00	15.81
6/23/2011	21:30:00	15.82
6/23/2011	21:40:00	15.97
6/23/2011	21:50:00	16.33

Date	Time	Temp °C
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6/23/2011	22:20:00	17.53
6/23/2011	22:30:00	17.80
6/23/2011	22:40:00	18.03
6/23/2011	22:50:00	18.20
6/23/2011	23:00:00	18.32
6/23/2011	23:10:00	18.46
6/23/2011	23:20:00	18.55
6/23/2011	23:30:00	18.63
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6/23/2011	23:50:00	18.74
6/24/2011	0:00:00	18.78
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6/24/2011	1:10:00	18.86
6/24/2011	1:20:00	18.86
6/24/2011	1:30:00	18.87
6/24/2011	1:40:00	18.85
6/24/2011	1:50:00	18.84
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6/24/2011	2:20:00	18.83
6/24/2011	2:30:00	18.81
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6/24/2011	5:20:00	18.60
6/24/2011	5:30:00	18.59
6/24/2011	5:40:00	18.58
6/24/2011	5:50:00	18.57
6/24/2011	6:00:00	18.56
6/24/2011	6:10:00	18.55

Date	Time	Temp °C
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6/24/2011	6:40:00	18.53
6/24/2011	6:50:00	18.52
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6/24/2011	7:10:00	18.50
6/24/2011	7:20:00	18.49
6/24/2011	7:30:00	18.50
6/24/2011	7:40:00	18.50
6/24/2011	7:50:00	18.51
6/24/2011	8:00:00	18.51
6/24/2011	8:10:00	18.52
6/24/2011	8:20:00	18.54
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6/24/2011	9:10:00	18.71
6/24/2011	9:20:00	18.76
6/24/2011	9:30:00	18.78
6/24/2011	9:40:00	18.89
6/24/2011	9:50:00	18.92
6/24/2011	10:00:00	18.94
6/24/2011	10:10:00	18.91
6/24/2011	10:20:00	18.91
6/24/2011	10:30:00	18.99
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6/24/2011	10:50:00	18.95
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6/24/2011	11:10:00	18.97
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6/24/2011	12:10:00	19.08
6/24/2011	12:20:00	19.08
6/24/2011	12:30:00	19.02
6/24/2011	12:40:00	19.09
6/24/2011	12:50:00	19.15
6/24/2011	13:00:00	18.99
6/24/2011	13:10:00	18.34
6/24/2011	13:20:00	16.58
6/24/2011	13:30:00	16.18
6/24/2011	13:40:00	16.08
6/24/2011	13:50:00	16.01
6/24/2011	14:00:00	15.93
6/24/2011	14:10:00	15.87
6/24/2011	14:20:00	15.84
6/24/2011	14:30:00	15.83

Date	Time	Temp °C
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6/24/2011	14:50:00	15.83
6/24/2011	15:00:00	15.80
6/24/2011	15:10:00	15.78
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6/24/2011	15:30:00	15.83
6/24/2011	15:40:00	15.92
6/24/2011	15:50:00	15.91
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6/24/2011	17:00:00	16.32
6/24/2011	17:10:00	16.37
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6/24/2011	17:30:00	16.49
6/24/2011	17:40:00	16.50
6/24/2011	17:50:00	16.53
6/24/2011	18:00:00	16.66
6/24/2011	18:10:00	16.93
6/24/2011	18:20:00	17.21
6/24/2011	18:30:00	17.47
6/24/2011	18:40:00	17.72
6/24/2011	18:50:00	17.92
6/24/2011	19:00:00	18.07
6/24/2011	19:10:00	18.20
6/24/2011	19:20:00	18.32
6/24/2011	19:30:00	18.40
6/24/2011	19:40:00	18.45
6/24/2011	19:50:00	18.49
6/24/2011	20:00:00	18.52
6/24/2011	20:10:00	18.55
6/24/2011	20:20:00	18.55
6/24/2011	20:30:00	18.55
6/24/2011	20:40:00	18.54
6/24/2011	20:50:00	18.53
6/24/2011	21:00:00	18.52
6/24/2011	21:10:00	18.49
6/24/2011	21:20:00	18.47
6/24/2011	21:30:00	18.45
6/24/2011	21:40:00	18.42
6/24/2011	21:50:00	18.39
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6/24/2011	22:10:00	18.34
6/24/2011	22:20:00	18.32
6/24/2011	22:30:00	18.29
6/24/2011	22:40:00	18.27
6/24/2011	22:50:00	18.23

Date	Time	Temp °C
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6/24/2011	23:20:00	18.14
6/24/2011	23:30:00	18.11
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6/25/2011	0:30:00	17.94
6/25/2011	0:40:00	17.92
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6/25/2011	1:20:00	17.78
6/25/2011	1:30:00	17.75
6/25/2011	1:40:00	17.71
6/25/2011	1:50:00	17.68
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6/25/2011	2:10:00	17.62
6/25/2011	2:20:00	17.58
6/25/2011	2:30:00	17.56
6/25/2011	2:40:00	17.53
6/25/2011	2:50:00	17.50
6/25/2011	3:00:00	17.48
6/25/2011	3:10:00	17.44
6/25/2011	3:20:00	17.42
6/25/2011	3:30:00	17.40
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6/25/2011	4:30:00	17.27
6/25/2011	4:40:00	17.25
6/25/2011	4:50:00	17.24
6/25/2011	5:00:00	17.23
6/25/2011	5:10:00	17.21
6/25/2011	5:20:00	17.20
6/25/2011	5:30:00	17.19
6/25/2011	5:40:00	17.19
6/25/2011	5:50:00	17.18
6/25/2011	6:00:00	17.17
6/25/2011	6:10:00	17.16
6/25/2011	6:20:00	17.16
6/25/2011	6:30:00	17.15
6/25/2011	6:40:00	17.15
6/25/2011	6:50:00	17.15
6/25/2011	7:00:00	17.15
6/25/2011	7:10:00	17.15

Date	Time	Temp °C
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6/25/2011	7:30:00	17.16
6/25/2011	7:40:00	17.17
6/25/2011	7:50:00	17.17
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6/25/2011	8:50:00	17.18
6/25/2011	9:00:00	17.18
6/25/2011	9:10:00	17.20
6/25/2011	9:20:00	17.24
6/25/2011	9:30:00	17.26
6/25/2011	9:40:00	17.30
6/25/2011	9:50:00	17.33
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6/25/2011	10:30:00	17.35
6/25/2011	10:40:00	17.41
6/25/2011	10:50:00	17.48
6/25/2011	11:00:00	17.53
6/25/2011	11:10:00	17.56
6/25/2011	11:20:00	17.62
6/25/2011	11:30:00	17.68
6/25/2011	11:40:00	17.77
6/25/2011	11:50:00	17.82
6/25/2011	12:00:00	17.86
6/25/2011	12:10:00	17.86
6/25/2011	12:20:00	17.89
6/25/2011	12:30:00	17.90
6/25/2011	12:40:00	17.93
6/25/2011	12:50:00	17.96
6/25/2011	13:00:00	17.88
6/25/2011	13:10:00	17.53
6/25/2011	13:20:00	16.02
6/25/2011	13:30:00	15.65
6/25/2011	13:40:00	15.67
6/25/2011	13:50:00	15.59
6/25/2011	14:00:00	15.54
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6/25/2011	14:20:00	15.52
6/25/2011	14:30:00	15.49
6/25/2011	14:40:00	15.45
6/25/2011	14:50:00	15.43
6/25/2011	15:00:00	15.45
6/25/2011	15:10:00	15.51
6/25/2011	15:20:00	15.55
6/25/2011	15:30:00	15.57

Date	Time	Temp °C
6/25/2011	15:40:00	15.58
6/25/2011	15:50:00	15.58
6/25/2011	16:00:00	15.60
6/25/2011	16:10:00	15.63
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6/25/2011	16:30:00	15.70
6/25/2011	16:40:00	15.76
6/25/2011	16:50:00	15.86
6/25/2011	17:00:00	15.92
6/25/2011	17:10:00	15.98
6/25/2011	17:20:00	16.11
6/25/2011	17:30:00	16.20
6/25/2011	17:40:00	16.28
6/25/2011	17:50:00	16.34
6/25/2011	18:00:00	16.39
6/25/2011	18:10:00	16.44
6/25/2011	18:20:00	16.50
6/25/2011	18:30:00	16.61
6/25/2011	18:40:00	16.78
6/25/2011	18:50:00	17.00
6/25/2011	19:00:00	17.14
6/25/2011	19:10:00	17.27
6/25/2011	19:20:00	17.38
6/25/2011	19:30:00	17.46
6/25/2011	19:40:00	17.56
6/25/2011	19:50:00	17.62
6/25/2011	20:00:00	17.65
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6/25/2011	21:00:00	17.67
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6/25/2011	21:40:00	17.59
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6/25/2011	22:30:00	17.46
6/25/2011	22:40:00	17.44
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6/25/2011	23:00:00	17.38
6/25/2011	23:10:00	17.34
6/25/2011	23:20:00	17.30
6/25/2011	23:30:00	17.26
6/25/2011	23:40:00	17.22
6/25/2011	23:50:00	17.18

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6/26/2011	1:30:00	16.82
6/26/2011	1:40:00	16.78
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6/26/2011	5:10:00	16.21
6/26/2011	5:20:00	16.18
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6/26/2011	5:40:00	16.12
6/26/2011	5:50:00	16.07
6/26/2011	6:00:00	16.05
6/26/2011	6:10:00	16.03
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6/26/2011	6:30:00	15.98
6/26/2011	6:40:00	15.95
6/26/2011	6:50:00	15.92
6/26/2011	7:00:00	15.90
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6/26/2011	7:40:00	15.88
6/26/2011	7:50:00	15.89
6/26/2011	8:00:00	15.91
6/26/2011	8:10:00	15.93

Date	Time	Temp °C
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6/26/2011	9:10:00	16.17
6/26/2011	9:20:00	16.23
6/26/2011	9:30:00	16.31
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6/26/2011	13:00:00	18.92
6/26/2011	13:10:00	18.93
6/26/2011	13:20:00	19.00
6/26/2011	13:30:00	19.07
6/26/2011	13:40:00	19.08
6/26/2011	13:50:00	19.12
6/26/2011	14:00:00	19.15
6/26/2011	14:10:00	19.18
6/26/2011	14:20:00	19.21
6/26/2011	14:30:00	19.24
6/26/2011	14:40:00	19.24
6/26/2011	14:50:00	19.22
6/26/2011	15:00:00	19.21
6/26/2011	15:10:00	19.20
6/26/2011	15:20:00	19.20
6/26/2011	15:30:00	19.21
6/26/2011	15:40:00	19.19
6/26/2011	15:50:00	19.21
6/26/2011	16:00:00	19.23
6/26/2011	16:10:00	19.26
6/26/2011	16:20:00	19.27
6/26/2011	16:30:00	19.25

Date	Time	Temp °C
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6/26/2011	18:30:00	18.62
6/26/2011	18:40:00	18.56
6/26/2011	18:50:00	18.50
6/26/2011	19:00:00	18.44
6/26/2011	19:10:00	18.38
6/26/2011	19:20:00	18.33
6/26/2011	19:30:00	18.28
6/26/2011	19:40:00	18.24
6/26/2011	19:50:00	18.20
6/26/2011	20:00:00	18.16
6/26/2011	20:10:00	18.12
6/26/2011	20:20:00	18.08
6/26/2011	20:30:00	18.04
6/26/2011	20:40:00	18.00
6/26/2011	20:50:00	17.96
6/26/2011	21:00:00	17.92
6/26/2011	21:10:00	17.88
6/26/2011	21:20:00	17.85
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6/27/2011	0:50:00	17.25

Date	Time	Temp °C
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6/27/2011	1:50:00	17.14
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6/27/2011	2:20:00	17.09
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6/27/2011	2:50:00	17.05
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6/27/2011	3:50:00	16.98
6/27/2011	4:00:00	16.98
6/27/2011	4:10:00	16.97
6/27/2011	4:20:00	16.95
6/27/2011	4:30:00	16.94
6/27/2011	4:40:00	16.94
6/27/2011	4:50:00	16.92
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6/27/2011	8:00:00	16.92
6/27/2011	8:10:00	16.94
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6/27/2011	8:30:00	16.99
6/27/2011	8:40:00	17.02
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6/27/2011	9:10:00	17.12

Date	Time	Temp °C
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6/27/2011	10:10:00	17.47
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6/27/2011	15:00:00	16.71
6/27/2011	15:10:00	16.70
6/27/2011	15:20:00	16.73
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6/27/2011	15:40:00	16.82
6/27/2011	15:50:00	16.94
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6/27/2011	16:30:00	17.75
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6/27/2011	17:00:00	17.96
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6/27/2011	17:20:00	18.19
6/27/2011	17:30:00	18.18

Date	Time	Temp °C
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6/27/2011	19:10:00	18.90
6/27/2011	19:20:00	19.01
6/27/2011	19:30:00	19.13
6/27/2011	19:40:00	19.24
6/27/2011	19:50:00	19.30
6/27/2011	20:00:00	19.33
6/27/2011	20:10:00	19.35
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6/27/2011	21:40:00	19.16
6/27/2011	21:50:00	19.13
6/27/2011	22:00:00	19.10
6/27/2011	22:10:00	19.07
6/27/2011	22:20:00	19.03
6/27/2011	22:30:00	18.99
6/27/2011	22:40:00	18.95
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6/27/2011	23:00:00	18.86
6/27/2011	23:10:00	18.81
6/27/2011	23:20:00	18.76
6/27/2011	23:30:00	18.72
6/27/2011	23:40:00	18.66
6/27/2011	23:50:00	18.62
6/28/2011	0:00:00	18.57
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6/28/2011	0:20:00	18.49
6/28/2011	0:30:00	18.45
6/28/2011	0:40:00	18.42
6/28/2011	0:50:00	18.38
6/28/2011	1:00:00	18.35
6/28/2011	1:10:00	18.33
6/28/2011	1:20:00	18.30
6/28/2011	1:30:00	18.28
6/28/2011	1:40:00	18.27
6/28/2011	1:50:00	18.25

Date	Time	Temp °C
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6/28/2011	9:30:00	18.06
6/28/2011	9:40:00	18.14
6/28/2011	9:50:00	18.20
6/28/2011	10:00:00	18.25
6/28/2011	10:10:00	18.31

Date	Time	Temp °C
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6/28/2011	10:40:00	18.58
6/28/2011	10:50:00	18.68
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6/28/2011	11:10:00	18.91
6/28/2011	11:20:00	19.00
6/28/2011	11:30:00	19.10
6/28/2011	11:40:00	19.23
6/28/2011	11:50:00	19.35
6/28/2011	12:00:00	19.50
6/28/2011	12:10:00	19.58
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6/28/2011	12:30:00	19.84
6/28/2011	12:40:00	19.97
6/28/2011	12:50:00	20.20
6/28/2011	13:00:00	20.40
6/28/2011	13:10:00	20.55
6/28/2011	13:20:00	20.70
6/28/2011	13:30:00	20.90
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6/28/2011	13:50:00	21.31
6/28/2011	14:00:00	21.49
6/28/2011	14:10:00	21.65
6/28/2011	14:20:00	21.84
6/28/2011	14:30:00	21.85
6/28/2011	14:40:00	21.91
6/28/2011	14:50:00	22.07
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6/28/2011	18:00:00	16.08
6/28/2011	18:10:00	16.08
6/28/2011	18:20:00	16.09
6/28/2011	18:30:00	16.06

Date	Time	Temp °C
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6/28/2011	19:10:00	16.05
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6/28/2011	19:40:00	15.97
6/28/2011	19:50:00	15.96
6/28/2011	20:00:00	15.97
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6/28/2011	20:50:00	16.14
6/28/2011	21:00:00	16.17
6/28/2011	21:10:00	16.20
6/28/2011	21:20:00	16.23
6/28/2011	21:30:00	16.36
6/28/2011	21:40:00	16.69
6/28/2011	21:50:00	17.12
6/28/2011	22:00:00	17.56
6/28/2011	22:10:00	17.91
6/28/2011	22:20:00	18.22
6/28/2011	22:30:00	18.47
6/28/2011	22:40:00	18.69
6/28/2011	22:50:00	18.84
6/28/2011	23:00:00	18.99
6/28/2011	23:10:00	19.10
6/28/2011	23:20:00	19.18
6/28/2011	23:30:00	19.26
6/28/2011	23:40:00	19.33
6/28/2011	23:50:00	19.37
6/29/2011	0:00:00	19.41
6/29/2011	0:10:00	19.44
6/29/2011	0:20:00	19.47
6/29/2011	0:30:00	19.49
6/29/2011	0:40:00	19.51
6/29/2011	0:50:00	19.52
6/29/2011	1:00:00	19.52
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6/29/2011	1:30:00	19.49
6/29/2011	1:40:00	19.49
6/29/2011	1:50:00	19.47
6/29/2011	2:00:00	19.45
6/29/2011	2:10:00	19.44
6/29/2011	2:20:00	19.41
6/29/2011	2:30:00	19.38
6/29/2011	2:40:00	19.36
6/29/2011	2:50:00	19.33

Date	Time	Temp °C
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6/29/2011	3:20:00	19.25
6/29/2011	3:30:00	19.20
6/29/2011	3:40:00	19.17
6/29/2011	3:50:00	19.13
6/29/2011	4:00:00	19.10
6/29/2011	4:10:00	19.06
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6/29/2011	4:30:00	18.99
6/29/2011	4:40:00	18.95
6/29/2011	4:50:00	18.92
6/29/2011	5:00:00	18.88
6/29/2011	5:10:00	18.85
6/29/2011	5:20:00	18.81
6/29/2011	5:30:00	18.77
6/29/2011	5:40:00	18.73
6/29/2011	5:50:00	18.69
6/29/2011	6:00:00	18.66
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6/29/2011	8:00:00	18.36
6/29/2011	8:10:00	18.33
6/29/2011	8:20:00	18.30
6/29/2011	8:30:00	18.30
6/29/2011	8:40:00	18.33
6/29/2011	8:50:00	18.32
6/29/2011	9:00:00	18.35
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6/29/2011	9:20:00	18.41
6/29/2011	9:30:00	18.46
6/29/2011	9:40:00	18.53
6/29/2011	9:50:00	18.60
6/29/2011	10:00:00	18.66
6/29/2011	10:10:00	18.72
6/29/2011	10:20:00	18.79
6/29/2011	10:30:00	18.85
6/29/2011	10:40:00	18.95
6/29/2011	10:50:00	19.03
6/29/2011	11:00:00	19.14
6/29/2011	11:10:00	19.27

Date	Time	Temp °C
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6/29/2011	11:30:00	19.52
6/29/2011	11:40:00	19.67
6/29/2011	11:50:00	19.83
6/29/2011	12:00:00	19.99
6/29/2011	12:10:00	20.15
6/29/2011	12:20:00	20.34
6/29/2011	12:30:00	20.56
6/29/2011	12:40:00	20.76
6/29/2011	12:50:00	20.97
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6/29/2011	13:40:00	21.93
6/29/2011	13:50:00	22.07
6/29/2011	14:00:00	22.29
6/29/2011	14:10:00	22.47
6/29/2011	14:20:00	22.70
6/29/2011	14:30:00	22.92
6/29/2011	14:40:00	23.11
6/29/2011	14:50:00	23.25
6/29/2011	15:00:00	23.41
6/29/2011	15:10:00	23.53
6/29/2011	15:20:00	23.68
6/29/2011	15:30:00	23.85
6/29/2011	15:40:00	23.88
6/29/2011	15:50:00	23.88
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6/29/2011	16:20:00	24.39
6/29/2011	16:30:00	24.44
6/29/2011	16:40:00	24.53
6/29/2011	16:50:00	24.54
6/29/2011	17:00:00	24.60
6/29/2011	17:10:00	24.56
6/29/2011	17:20:00	24.43
6/29/2011	17:30:00	24.44
6/29/2011	17:40:00	24.30
6/29/2011	17:50:00	24.37
6/29/2011	18:00:00	24.29
6/29/2011	18:10:00	24.28
6/29/2011	18:20:00	24.14
6/29/2011	18:30:00	23.98
6/29/2011	18:40:00	23.79
6/29/2011	18:50:00	23.67
6/29/2011	19:00:00	23.52
6/29/2011	19:10:00	23.37
6/29/2011	19:20:00	23.19
6/29/2011	19:30:00	22.95

Date	Time	Temp °C
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6/29/2011	19:50:00	22.53
6/29/2011	20:00:00	22.34
6/29/2011	20:10:00	22.16
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6/29/2011	20:30:00	21.86
6/29/2011	20:40:00	21.70
6/29/2011	20:50:00	21.56
6/29/2011	21:00:00	21.42
6/29/2011	21:10:00	21.30
6/29/2011	21:20:00	21.18
6/29/2011	21:30:00	21.06
6/29/2011	21:40:00	20.94
6/29/2011	21:50:00	20.81
6/29/2011	22:00:00	20.68
6/29/2011	22:10:00	20.55
6/29/2011	22:20:00	20.43
6/29/2011	22:30:00	20.33
6/29/2011	22:40:00	20.21
6/29/2011	22:50:00	20.09
6/29/2011	23:00:00	19.99
6/29/2011	23:10:00	19.88
6/29/2011	23:20:00	19.79
6/29/2011	23:30:00	19.69
6/29/2011	23:40:00	19.59
6/29/2011	23:50:00	19.50
6/30/2011	0:00:00	19.41
6/30/2011	0:10:00	19.32
6/30/2011	0:20:00	19.24
6/30/2011	0:30:00	19.16
6/30/2011	0:40:00	19.08
6/30/2011	0:50:00	19.00
6/30/2011	1:00:00	18.93
6/30/2011	1:10:00	18.85
6/30/2011	1:20:00	18.78
6/30/2011	1:30:00	18.72
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6/30/2011	2:10:00	18.48
6/30/2011	2:20:00	18.42
6/30/2011	2:30:00	18.36
6/30/2011	2:40:00	18.30
6/30/2011	2:50:00	18.24
6/30/2011	3:00:00	18.19
6/30/2011	3:10:00	18.14
6/30/2011	3:20:00	18.08
6/30/2011	3:30:00	18.03
6/30/2011	3:40:00	17.98
6/30/2011	3:50:00	17.93

Date	Time	Temp °C
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6/30/2011	4:20:00	17.76
6/30/2011	4:30:00	17.71
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6/30/2011	6:40:00	17.15
6/30/2011	6:50:00	17.13
6/30/2011	7:00:00	17.10
6/30/2011	7:10:00	17.07
6/30/2011	7:20:00	17.05
6/30/2011	7:30:00	17.03
6/30/2011	7:40:00	17.01
6/30/2011	7:50:00	16.98
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6/30/2011	8:20:00	16.95
6/30/2011	8:30:00	16.95
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6/30/2011	8:50:00	17.03
6/30/2011	9:00:00	17.11
6/30/2011	9:10:00	17.20
6/30/2011	9:20:00	17.30
6/30/2011	9:30:00	17.38
6/30/2011	9:40:00	17.47
6/30/2011	9:50:00	17.57
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6/30/2011	10:10:00	17.76
6/30/2011	10:20:00	17.87
6/30/2011	10:30:00	18.00
6/30/2011	10:40:00	18.11
6/30/2011	10:50:00	18.24
6/30/2011	11:00:00	18.41
6/30/2011	11:10:00	18.55
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6/30/2011	11:30:00	18.89
6/30/2011	11:40:00	19.08
6/30/2011	11:50:00	19.29
6/30/2011	12:00:00	19.45
6/30/2011	12:10:00	19.65

Date	Time	Temp °C
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6/30/2011	12:30:00	20.10
6/30/2011	12:40:00	20.34
6/30/2011	12:50:00	20.59
6/30/2011	13:00:00	20.82
6/30/2011	13:10:00	21.03
6/30/2011	13:20:00	21.27
6/30/2011	13:30:00	21.54
6/30/2011	13:40:00	21.72
6/30/2011	13:50:00	21.97
6/30/2011	14:00:00	22.22
6/30/2011	14:10:00	22.48
6/30/2011	14:20:00	22.69
6/30/2011	14:30:00	22.84
6/30/2011	14:40:00	23.00
6/30/2011	14:50:00	23.04
6/30/2011	15:00:00	23.08
6/30/2011	15:10:00	23.11
6/30/2011	15:20:00	23.31
6/30/2011	15:30:00	23.41
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6/30/2011	15:50:00	23.36
6/30/2011	16:00:00	23.34
6/30/2011	16:10:00	23.37
6/30/2011	16:20:00	23.13
6/30/2011	16:30:00	22.59
6/30/2011	16:40:00	21.40
6/30/2011	16:50:00	19.69
6/30/2011	17:00:00	19.01
6/30/2011	17:10:00	18.83
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6/30/2011	17:30:00	18.72
6/30/2011	17:40:00	18.72
6/30/2011	17:50:00	18.67
6/30/2011	18:00:00	18.79
6/30/2011	18:10:00	18.85
6/30/2011	18:20:00	18.90
6/30/2011	18:30:00	18.94
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6/30/2011	18:50:00	18.99
6/30/2011	19:00:00	18.99
6/30/2011	19:10:00	18.98
6/30/2011	19:20:00	18.95
6/30/2011	19:30:00	18.85
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6/30/2011	19:50:00	18.72
6/30/2011	20:00:00	18.64
6/30/2011	20:10:00	18.56
6/30/2011	20:20:00	18.50
6/30/2011	20:30:00	18.45

Date	Time	Temp °C
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6/30/2011	20:50:00	18.49
6/30/2011	21:00:00	18.55
6/30/2011	21:10:00	18.63
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6/30/2011	21:40:00	18.84
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6/30/2011	22:30:00	19.03
6/30/2011	22:40:00	19.04
6/30/2011	22:50:00	19.04
6/30/2011	23:00:00	19.04
6/30/2011	23:10:00	19.03
6/30/2011	23:20:00	19.00
6/30/2011	23:30:00	18.97
6/30/2011	23:40:00	18.95
6/30/2011	23:50:00	18.92
7/1/2011	0:00:00	18.88
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7/1/2011	0:20:00	18.79
7/1/2011	0:30:00	18.73
7/1/2011	0:40:00	18.69
7/1/2011	0:50:00	18.63
7/1/2011	1:00:00	18.58
7/1/2011	1:10:00	18.53
7/1/2011	1:20:00	18.48
7/1/2011	1:30:00	18.43
7/1/2011	1:40:00	18.38
7/1/2011	1:50:00	18.32
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7/1/2011	3:10:00	17.91
7/1/2011	3:20:00	17.86
7/1/2011	3:30:00	17.81
7/1/2011	3:40:00	17.76
7/1/2011	3:50:00	17.71
7/1/2011	4:00:00	17.65
7/1/2011	4:10:00	17.61
7/1/2011	4:20:00	17.56
7/1/2011	4:30:00	17.51
7/1/2011	4:40:00	17.47
7/1/2011	4:50:00	17.43

Date	Time	Temp °C
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7/1/2011	5:30:00	17.23
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7/1/2011	6:00:00	17.09
7/1/2011	6:10:00	17.04
7/1/2011	6:20:00	17.00
7/1/2011	6:30:00	16.96
7/1/2011	6:40:00	16.92
7/1/2011	6:50:00	16.88
7/1/2011	7:00:00	16.85
7/1/2011	7:10:00	16.82
7/1/2011	7:20:00	16.79
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7/1/2011	8:50:00	16.85
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7/1/2011	10:10:00	17.79
7/1/2011	10:20:00	17.94
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7/1/2011	11:00:00	18.56
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7/1/2011	11:40:00	19.36
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7/1/2011	12:00:00	19.81
7/1/2011	12:10:00	20.06
7/1/2011	12:20:00	20.30
7/1/2011	12:30:00	20.57
7/1/2011	12:40:00	20.81
7/1/2011	12:50:00	20.77
7/1/2011	13:00:00	20.95
7/1/2011	13:10:00	21.03

Date	Time	Temp °C
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7/1/2011	14:20:00	17.91
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7/1/2011	15:40:00	18.19
7/1/2011	15:50:00	18.34
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7/1/2011	16:10:00	18.65
7/1/2011	16:20:00	18.82
7/1/2011	16:30:00	19.02
7/1/2011	16:40:00	19.21
7/1/2011	16:50:00	19.42
7/1/2011	17:00:00	19.62
7/1/2011	17:10:00	19.80
7/1/2011	17:20:00	20.00
7/1/2011	17:30:00	20.14
7/1/2011	17:40:00	20.28
7/1/2011	17:50:00	20.42
7/1/2011	18:00:00	20.53
7/1/2011	18:10:00	20.62
7/1/2011	18:20:00	20.72
7/1/2011	18:30:00	20.79
7/1/2011	18:40:00	20.79
7/1/2011	18:50:00	20.84
7/1/2011	19:00:00	20.85
7/1/2011	19:10:00	20.82
7/1/2011	19:20:00	20.74
7/1/2011	19:30:00	20.66
7/1/2011	19:40:00	20.61
7/1/2011	19:50:00	20.58
7/1/2011	20:00:00	20.57
7/1/2011	20:10:00	20.57
7/1/2011	20:20:00	20.56
7/1/2011	20:30:00	20.56
7/1/2011	20:40:00	20.54
7/1/2011	20:50:00	20.52
7/1/2011	21:00:00	20.50
7/1/2011	21:10:00	20.48
7/1/2011	21:20:00	20.47
7/1/2011	21:30:00	20.44

Date	Time	Temp °C
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7/1/2011	21:50:00	20.39
7/1/2011	22:00:00	20.36
7/1/2011	22:10:00	20.32
7/1/2011	22:20:00	20.27
7/1/2011	22:30:00	20.23
7/1/2011	22:40:00	20.17
7/1/2011	22:50:00	20.12
7/1/2011	23:00:00	20.06
7/1/2011	23:10:00	20.00
7/1/2011	23:20:00	19.93
7/1/2011	23:30:00	19.87
7/1/2011	23:40:00	19.79
7/1/2011	23:50:00	19.72
7/2/2011	0:00:00	19.65
7/2/2011	0:10:00	19.58
7/2/2011	0:20:00	19.50
7/2/2011	0:30:00	19.42
7/2/2011	0:40:00	19.35
7/2/2011	0:50:00	19.27
7/2/2011	1:00:00	19.20
7/2/2011	1:10:00	19.12
7/2/2011	1:20:00	19.05
7/2/2011	1:30:00	18.98
7/2/2011	1:40:00	18.92
7/2/2011	1:50:00	18.84
7/2/2011	2:00:00	18.77
7/2/2011	2:10:00	18.71
7/2/2011	2:20:00	18.65
7/2/2011	2:30:00	18.58
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7/2/2011	2:50:00	18.46
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7/2/2011	4:50:00	17.76
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7/2/2011	5:20:00	17.61
7/2/2011	5:30:00	17.55
7/2/2011	5:40:00	17.49
7/2/2011	5:50:00	17.44

Date	Time	Temp °C
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7/2/2011	6:10:00	17.34
7/2/2011	6:20:00	17.29
7/2/2011	6:30:00	17.24
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7/2/2011	6:50:00	17.18
7/2/2011	7:00:00	17.16
7/2/2011	7:10:00	17.14
7/2/2011	7:20:00	17.11
7/2/2011	7:30:00	17.10
7/2/2011	7:40:00	17.09
7/2/2011	7:50:00	17.09
7/2/2011	8:00:00	17.09
7/2/2011	8:10:00	17.09
7/2/2011	8:20:00	17.08
7/2/2011	8:30:00	17.11
7/2/2011	8:40:00	17.16
7/2/2011	8:50:00	17.22
7/2/2011	9:00:00	17.29
7/2/2011	9:10:00	17.40
7/2/2011	9:20:00	17.51
7/2/2011	9:30:00	17.61
7/2/2011	9:40:00	17.73
7/2/2011	9:50:00	17.86
7/2/2011	10:00:00	18.01
7/2/2011	10:10:00	18.16
7/2/2011	10:20:00	18.27
7/2/2011	10:30:00	18.41
7/2/2011	10:40:00	18.56
7/2/2011	10:50:00	18.66
7/2/2011	11:00:00	18.76
7/2/2011	11:10:00	18.91
7/2/2011	11:20:00	19.04
7/2/2011	11:30:00	19.18
7/2/2011	11:40:00	19.30
7/2/2011	11:50:00	19.45
7/2/2011	12:00:00	19.69
7/2/2011	12:10:00	19.93
7/2/2011	12:20:00	20.04
7/2/2011	12:30:00	20.33
7/2/2011	12:40:00	20.41
7/2/2011	12:50:00	20.21
7/2/2011	13:00:00	20.34
7/2/2011	13:10:00	20.59
7/2/2011	13:20:00	20.23
7/2/2011	13:30:00	18.49
7/2/2011	13:40:00	17.94
7/2/2011	13:50:00	17.89
7/2/2011	14:00:00	17.82
7/2/2011	14:10:00	17.71

Date	Time	Temp °C
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7/2/2011	14:30:00	17.69
7/2/2011	14:40:00	17.72
7/2/2011	14:50:00	17.77
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7/2/2011	15:20:00	17.70
7/2/2011	15:30:00	17.72
7/2/2011	15:40:00	17.78
7/2/2011	15:50:00	17.87
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7/2/2011	16:10:00	18.05
7/2/2011	16:20:00	18.24
7/2/2011	16:30:00	18.33
7/2/2011	16:40:00	18.44
7/2/2011	16:50:00	18.54
7/2/2011	17:00:00	18.69
7/2/2011	17:10:00	18.79
7/2/2011	17:20:00	18.86
7/2/2011	17:30:00	18.94
7/2/2011	17:40:00	19.06
7/2/2011	17:50:00	19.13
7/2/2011	18:00:00	19.19
7/2/2011	18:10:00	19.26
7/2/2011	18:20:00	19.33
7/2/2011	18:30:00	19.39
7/2/2011	18:40:00	19.42
7/2/2011	18:50:00	19.46
7/2/2011	19:00:00	19.49
7/2/2011	19:10:00	19.50
7/2/2011	19:20:00	19.51
7/2/2011	19:30:00	19.53
7/2/2011	19:40:00	19.54
7/2/2011	19:50:00	19.55
7/2/2011	20:00:00	19.59
7/2/2011	20:10:00	19.63
7/2/2011	20:20:00	19.70
7/2/2011	20:30:00	19.77
7/2/2011	20:40:00	19.85
7/2/2011	20:50:00	19.93
7/2/2011	21:00:00	20.01
7/2/2011	21:10:00	20.08
7/2/2011	21:20:00	20.15
7/2/2011	21:30:00	20.21
7/2/2011	21:40:00	20.27
7/2/2011	21:50:00	20.31
7/2/2011	22:00:00	20.35
7/2/2011	22:10:00	20.37
7/2/2011	22:20:00	20.39
7/2/2011	22:30:00	20.40

Date	Time	Temp °C
7/2/2011	22:40:00	20.40
7/2/2011	22:50:00	20.40
7/2/2011	23:00:00	20.39
7/2/2011	23:10:00	20.38
7/2/2011	23:20:00	20.36
7/2/2011	23:30:00	20.34
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7/2/2011	23:50:00	20.28
7/3/2011	0:00:00	20.25
7/3/2011	0:10:00	20.23
7/3/2011	0:20:00	20.20
7/3/2011	0:30:00	20.17
7/3/2011	0:40:00	20.14
7/3/2011	0:50:00	20.11
7/3/2011	1:00:00	20.08
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7/3/2011	2:20:00	19.84
7/3/2011	2:30:00	19.84
7/3/2011	2:40:00	19.81
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7/3/2011	3:10:00	19.76
7/3/2011	3:20:00	19.74
7/3/2011	3:30:00	19.72
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7/3/2011	4:40:00	19.58
7/3/2011	4:50:00	19.56
7/3/2011	5:00:00	19.53
7/3/2011	5:10:00	19.50
7/3/2011	5:20:00	19.48
7/3/2011	5:30:00	19.45
7/3/2011	5:40:00	19.42
7/3/2011	5:50:00	19.39
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7/3/2011	6:10:00	19.34
7/3/2011	6:20:00	19.31
7/3/2011	6:30:00	19.28
7/3/2011	6:40:00	19.26
7/3/2011	6:50:00	19.25

Date	Time	Temp °C
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7/3/2011	7:20:00	19.24
7/3/2011	7:30:00	19.23
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7/3/2011	8:20:00	19.32
7/3/2011	8:30:00	19.35
7/3/2011	8:40:00	19.39
7/3/2011	8:50:00	19.44
7/3/2011	9:00:00	19.55
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7/3/2011	9:20:00	19.69
7/3/2011	9:30:00	19.76
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7/3/2011	9:50:00	19.89
7/3/2011	10:00:00	20.01
7/3/2011	10:10:00	20.11
7/3/2011	10:20:00	20.23
7/3/2011	10:30:00	20.32
7/3/2011	10:40:00	20.43
7/3/2011	10:50:00	20.53
7/3/2011	11:00:00	20.65
7/3/2011	11:10:00	20.81
7/3/2011	11:20:00	20.99
7/3/2011	11:30:00	21.22
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7/3/2011	11:50:00	21.64
7/3/2011	12:00:00	21.86
7/3/2011	12:10:00	22.08
7/3/2011	12:20:00	22.33
7/3/2011	12:30:00	22.59
7/3/2011	12:40:00	22.85
7/3/2011	12:50:00	23.16
7/3/2011	13:00:00	23.45
7/3/2011	13:10:00	23.67
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7/3/2011	13:40:00	24.42
7/3/2011	13:50:00	24.63
7/3/2011	14:00:00	24.90
7/3/2011	14:10:00	25.05
7/3/2011	14:20:00	25.25
7/3/2011	14:30:00	25.50
7/3/2011	14:40:00	25.66
7/3/2011	14:50:00	25.81
7/3/2011	15:00:00	25.89
7/3/2011	15:10:00	26.09

Date	Time	Temp °C
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7/3/2011	15:40:00	26.53
7/3/2011	15:50:00	26.51
7/3/2011	16:00:00	26.50
7/3/2011	16:10:00	26.62
7/3/2011	16:20:00	26.11
7/3/2011	16:30:00	24.94
7/3/2011	16:40:00	22.86
7/3/2011	16:50:00	21.16
7/3/2011	17:00:00	20.26
7/3/2011	17:10:00	19.75
7/3/2011	17:20:00	19.46
7/3/2011	17:30:00	19.33
7/3/2011	17:40:00	19.18
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7/3/2011	18:10:00	18.94
7/3/2011	18:20:00	18.86
7/3/2011	18:30:00	18.79
7/3/2011	18:40:00	18.73
7/3/2011	18:50:00	18.67
7/3/2011	19:00:00	18.64
7/3/2011	19:10:00	18.64
7/3/2011	19:20:00	18.60
7/3/2011	19:30:00	18.56
7/3/2011	19:40:00	18.51
7/3/2011	19:50:00	18.47
7/3/2011	20:00:00	18.43
7/3/2011	20:10:00	18.39
7/3/2011	20:20:00	18.36
7/3/2011	20:30:00	18.32
7/3/2011	20:40:00	18.30
7/3/2011	20:50:00	18.27
7/3/2011	21:00:00	18.29
7/3/2011	21:10:00	18.34
7/3/2011	21:20:00	18.42
7/3/2011	21:30:00	18.50
7/3/2011	21:40:00	18.62
7/3/2011	21:50:00	18.74
7/3/2011	22:00:00	18.86
7/3/2011	22:10:00	18.97
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7/3/2011	22:40:00	19.26
7/3/2011	22:50:00	19.33
7/3/2011	23:00:00	19.39
7/3/2011	23:10:00	19.45
7/3/2011	23:20:00	19.50
7/3/2011	23:30:00	19.53

Date	Time	Temp °C
7/3/2011	23:40:00	19.56
7/3/2011	23:50:00	19.59
7/4/2011	0:00:00	19.61
7/4/2011	0:10:00	19.64
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7/4/2011	0:40:00	19.67
7/4/2011	0:50:00	19.69
7/4/2011	1:00:00	19.70
7/4/2011	1:10:00	19.70
7/4/2011	1:20:00	19.71
7/4/2011	1:30:00	19.70
7/4/2011	1:40:00	19.68
7/4/2011	1:50:00	19.71
7/4/2011	2:00:00	19.71
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7/4/2011	2:50:00	19.70
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7/4/2011	3:20:00	19.72
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7/4/2011	3:40:00	19.70
7/4/2011	3:50:00	19.70
7/4/2011	4:00:00	19.68
7/4/2011	4:10:00	19.67
7/4/2011	4:20:00	19.67
7/4/2011	4:30:00	19.64
7/4/2011	4:40:00	19.63
7/4/2011	4:50:00	19.61
7/4/2011	5:00:00	19.58
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7/4/2011	5:20:00	19.52
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7/4/2011	5:50:00	19.41
7/4/2011	6:00:00	19.37
7/4/2011	6:10:00	19.34
7/4/2011	6:20:00	19.30
7/4/2011	6:30:00	19.28
7/4/2011	6:40:00	19.26
7/4/2011	6:50:00	19.24
7/4/2011	7:00:00	19.24
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7/4/2011	7:30:00	19.22
7/4/2011	7:40:00	19.22
7/4/2011	7:50:00	19.23

Date	Time	Temp °C
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7/4/2011	8:10:00	19.25
7/4/2011	8:20:00	19.27
7/4/2011	8:30:00	19.29
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7/4/2011	8:50:00	19.36
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7/4/2011	9:10:00	19.44
7/4/2011	9:20:00	19.47
7/4/2011	9:30:00	19.51
7/4/2011	9:40:00	19.58
7/4/2011	9:50:00	19.67
7/4/2011	10:00:00	19.73
7/4/2011	10:10:00	19.79
7/4/2011	10:20:00	19.91
7/4/2011	10:30:00	20.03
7/4/2011	10:40:00	20.10
7/4/2011	10:50:00	20.16
7/4/2011	11:00:00	20.23
7/4/2011	11:10:00	20.29
7/4/2011	11:20:00	20.35
7/4/2011	11:30:00	20.41
7/4/2011	11:40:00	20.49
7/4/2011	11:50:00	20.58
7/4/2011	12:00:00	20.64
7/4/2011	12:10:00	20.71
7/4/2011	12:20:00	20.74
7/4/2011	12:30:00	20.78
7/4/2011	12:40:00	20.88
7/4/2011	12:50:00	20.91
7/4/2011	13:00:00	20.79
7/4/2011	13:10:00	18.58
7/4/2011	13:20:00	17.88
7/4/2011	13:30:00	17.78
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7/4/2011	13:50:00	17.62
7/4/2011	14:00:00	17.63
7/4/2011	14:10:00	17.67
7/4/2011	14:20:00	17.72
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7/4/2011	14:50:00	17.81
7/4/2011	15:00:00	17.84
7/4/2011	15:10:00	17.90
7/4/2011	15:20:00	17.92
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7/4/2011	15:40:00	17.95
7/4/2011	15:50:00	17.98
7/4/2011	16:00:00	18.00
7/4/2011	16:10:00	18.02

Date	Time	Temp °C
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7/4/2011	16:50:00	18.19
7/4/2011	17:00:00	18.24
7/4/2011	17:10:00	18.32
7/4/2011	17:20:00	18.33
7/4/2011	17:30:00	18.36
7/4/2011	17:40:00	18.53
7/4/2011	17:50:00	18.99
7/4/2011	18:00:00	19.51
7/4/2011	18:10:00	19.98
7/4/2011	18:20:00	20.32
7/4/2011	18:30:00	20.58
7/4/2011	18:40:00	20.80
7/4/2011	18:50:00	20.99
7/4/2011	19:00:00	21.11
7/4/2011	19:10:00	21.23
7/4/2011	19:20:00	21.30
7/4/2011	19:30:00	21.36
7/4/2011	19:40:00	21.42
7/4/2011	19:50:00	21.43
7/4/2011	20:00:00	21.45
7/4/2011	20:10:00	21.47
7/4/2011	20:20:00	21.46
7/4/2011	20:30:00	21.46
7/4/2011	20:40:00	21.45
7/4/2011	20:50:00	21.43
7/4/2011	21:00:00	21.40
7/4/2011	21:10:00	21.38
7/4/2011	21:20:00	21.35
7/4/2011	21:30:00	21.33
7/4/2011	21:40:00	21.30
7/4/2011	21:50:00	21.27
7/4/2011	22:00:00	21.23
7/4/2011	22:10:00	21.20
7/4/2011	22:20:00	21.16
7/4/2011	22:30:00	21.11
7/4/2011	22:40:00	21.05
7/4/2011	22:50:00	21.00
7/4/2011	23:00:00	20.94
7/4/2011	23:10:00	20.88
7/4/2011	23:20:00	20.83
7/4/2011	23:30:00	20.77
7/4/2011	23:40:00	20.71
7/4/2011	23:50:00	20.67
7/5/2011	0:00:00	20.63
7/5/2011	0:10:00	20.59
7/5/2011	0:20:00	20.56
7/5/2011	0:30:00	20.53

Date	Time	Temp °C
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7/5/2011	0:50:00	20.49
7/5/2011	1:00:00	20.46
7/5/2011	1:10:00	20.43
7/5/2011	1:20:00	20.40
7/5/2011	1:30:00	20.37
7/5/2011	1:40:00	20.34
7/5/2011	1:50:00	20.31
7/5/2011	2:00:00	20.28
7/5/2011	2:10:00	20.23
7/5/2011	2:20:00	20.19
7/5/2011	2:30:00	20.14
7/5/2011	2:40:00	20.10
7/5/2011	2:50:00	20.05
7/5/2011	3:00:00	20.00
7/5/2011	3:10:00	19.95
7/5/2011	3:20:00	19.90
7/5/2011	3:30:00	19.85
7/5/2011	3:40:00	19.80
7/5/2011	3:50:00	19.75
7/5/2011	4:00:00	19.71
7/5/2011	4:10:00	19.66
7/5/2011	4:20:00	19.62
7/5/2011	4:30:00	19.57
7/5/2011	4:40:00	19.52
7/5/2011	4:50:00	19.48
7/5/2011	5:00:00	19.43
7/5/2011	5:10:00	19.39
7/5/2011	5:20:00	19.34
7/5/2011	5:30:00	19.28
7/5/2011	5:40:00	19.23
7/5/2011	5:50:00	19.20
7/5/2011	6:00:00	19.16
7/5/2011	6:10:00	19.12
7/5/2011	6:20:00	19.09
7/5/2011	6:30:00	19.07
7/5/2011	6:40:00	19.06
7/5/2011	6:50:00	19.06
7/5/2011	7:00:00	19.05
7/5/2011	7:10:00	19.05
7/5/2011	7:20:00	19.05
7/5/2011	7:30:00	19.05
7/5/2011	7:40:00	19.05
7/5/2011	7:50:00	19.05
7/5/2011	8:00:00	19.06
7/5/2011	8:10:00	19.08
7/5/2011	8:20:00	19.10
7/5/2011	8:30:00	19.13
7/5/2011	8:40:00	19.17
7/5/2011	8:50:00	19.21

Date	Time	Temp °C
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7/5/2011	9:10:00	19.28
7/5/2011	9:20:00	19.32
7/5/2011	9:30:00	19.37
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7/5/2011	9:50:00	19.51
7/5/2011	10:00:00	19.60
7/5/2011	10:10:00	19.67
7/5/2011	10:20:00	19.75
7/5/2011	10:30:00	19.85
7/5/2011	10:40:00	19.93
7/5/2011	10:50:00	20.06
7/5/2011	11:00:00	20.19
7/5/2011	11:10:00	20.28
7/5/2011	11:20:00	20.39
7/5/2011	11:30:00	20.47
7/5/2011	11:40:00	20.61
7/5/2011	11:50:00	20.72
7/5/2011	12:00:00	20.85
7/5/2011	12:10:00	21.03
7/5/2011	12:20:00	21.14
7/5/2011	12:30:00	21.32
7/5/2011	12:40:00	21.42
7/5/2011	12:50:00	21.64
7/5/2011	13:00:00	21.67
7/5/2011	13:10:00	21.72
7/5/2011	13:20:00	21.89
7/5/2011	13:30:00	21.95
7/5/2011	13:40:00	21.90
7/5/2011	13:50:00	21.97
7/5/2011	14:00:00	22.18
7/5/2011	14:10:00	22.28
7/5/2011	14:20:00	22.50
7/5/2011	14:30:00	22.57
7/5/2011	14:40:00	22.74
7/5/2011	14:50:00	22.79
7/5/2011	15:00:00	22.90
7/5/2011	15:10:00	23.03
7/5/2011	15:20:00	23.17
7/5/2011	15:30:00	23.30
7/5/2011	15:40:00	23.37
7/5/2011	15:50:00	23.27
7/5/2011	16:00:00	23.14
7/5/2011	16:10:00	22.93
7/5/2011	16:20:00	21.30
7/5/2011	16:30:00	19.41
7/5/2011	16:40:00	19.01
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7/5/2011	17:00:00	18.53
7/5/2011	17:10:00	18.33

Date	Time	Temp °C
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7/5/2011	20:50:00	17.63
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7/5/2011	23:50:00	20.06
7/6/2011	0:00:00	20.06
7/6/2011	0:10:00	20.05
7/6/2011	0:20:00	20.04
7/6/2011	0:30:00	20.04
7/6/2011	0:40:00	20.02
7/6/2011	0:50:00	20.02
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7/6/2011	1:20:00	19.97
7/6/2011	1:30:00	19.93

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7/6/2011	6:40:00	19.12
7/6/2011	6:50:00	19.10
7/6/2011	7:00:00	19.07
7/6/2011	7:10:00	19.06
7/6/2011	7:20:00	19.03
7/6/2011	7:30:00	19.02
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7/6/2011	9:10:00	19.23
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7/6/2011	9:40:00	19.48
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7/6/2011	10:30:00	19.87
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7/6/2011	10:50:00	20.19
7/6/2011	11:00:00	20.36
7/6/2011	11:10:00	20.52
7/6/2011	11:20:00	20.68
7/6/2011	11:30:00	20.88
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7/6/2011	13:10:00	22.89
7/6/2011	13:20:00	23.13
7/6/2011	13:30:00	23.36
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7/6/2011	13:50:00	23.78
7/6/2011	14:00:00	24.02
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7/6/2011	15:10:00	25.34
7/6/2011	15:20:00	25.49
7/6/2011	15:30:00	25.55
7/6/2011	15:40:00	25.54
7/6/2011	15:50:00	25.42
7/6/2011	16:00:00	25.01
7/6/2011	16:10:00	24.21
7/6/2011	16:20:00	21.37
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7/6/2011	16:50:00	19.34
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7/6/2011	18:10:00	17.87

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7/6/2011	21:50:00	16.85
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7/6/2011	22:30:00	16.89
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7/7/2011	2:20:00	19.95
7/7/2011	2:30:00	19.96

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7/7/2011	6:20:00	19.56
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7/7/2011	10:50:00	20.87

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7/7/2011	19:10:00	20.40

Date	Time	Temp °C
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7/7/2011	23:00:00	22.20
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7/7/2011	23:30:00	22.08
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7/8/2011	1:10:00	21.56
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7/8/2011	3:30:00	20.96

Date	Time	Temp °C
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7/8/2011	7:20:00	20.22
7/8/2011	7:30:00	20.21
7/8/2011	7:40:00	20.21
7/8/2011	7:50:00	20.20
7/8/2011	8:00:00	20.19
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7/8/2011	8:20:00	20.16
7/8/2011	8:30:00	20.17
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7/8/2011	9:00:00	20.22
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7/8/2011	9:20:00	20.25
7/8/2011	9:30:00	20.25
7/8/2011	9:40:00	20.27
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7/8/2011	10:00:00	20.36
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7/8/2011	11:00:00	20.56
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7/8/2011	11:20:00	20.62
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7/8/2011	11:40:00	20.68
7/8/2011	11:50:00	20.72

Date	Time	Temp °C
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7/8/2011	13:10:00	20.59
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7/8/2011	14:00:00	16.76
7/8/2011	14:10:00	16.68
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7/8/2011	15:30:00	16.45
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7/8/2011	16:00:00	16.62
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7/8/2011	19:40:00	19.11
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7/8/2011	20:00:00	19.37
7/8/2011	20:10:00	19.51

Date	Time	Temp °C
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7/8/2011	21:10:00	20.22
7/8/2011	21:20:00	20.30
7/8/2011	21:30:00	20.36
7/8/2011	21:40:00	20.42
7/8/2011	21:50:00	20.46
7/8/2011	22:00:00	20.49
7/8/2011	22:10:00	20.50
7/8/2011	22:20:00	20.50
7/8/2011	22:30:00	20.50
7/8/2011	22:40:00	20.49
7/8/2011	22:50:00	20.47
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7/8/2011	23:20:00	20.38
7/8/2011	23:30:00	20.35
7/8/2011	23:40:00	20.31
7/8/2011	23:50:00	20.27
7/9/2011	0:00:00	20.23
7/9/2011	0:10:00	20.18
7/9/2011	0:20:00	20.16
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7/9/2011	1:10:00	20.03
7/9/2011	1:20:00	20.02
7/9/2011	1:30:00	20.00
7/9/2011	1:40:00	19.97
7/9/2011	1:50:00	19.93
7/9/2011	2:00:00	19.93
7/9/2011	2:10:00	19.92
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7/9/2011	4:00:00	19.80
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7/9/2011	4:20:00	19.78
7/9/2011	4:30:00	19.76

Date	Time	Temp °C
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7/9/2011	6:10:00	19.56
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7/9/2011	6:30:00	19.53
7/9/2011	6:40:00	19.51
7/9/2011	6:50:00	19.50
7/9/2011	7:00:00	19.49
7/9/2011	7:10:00	19.48
7/9/2011	7:20:00	19.47
7/9/2011	7:30:00	19.47
7/9/2011	7:40:00	19.48
7/9/2011	7:50:00	19.49
7/9/2011	8:00:00	19.50
7/9/2011	8:10:00	19.51
7/9/2011	8:20:00	19.53
7/9/2011	8:30:00	19.53
7/9/2011	8:40:00	19.51
7/9/2011	8:50:00	19.50
7/9/2011	9:00:00	19.56
7/9/2011	9:10:00	19.68
7/9/2011	9:20:00	19.78
7/9/2011	9:30:00	19.85
7/9/2011	9:40:00	19.93
7/9/2011	9:50:00	20.01
7/9/2011	10:00:00	20.09
7/9/2011	10:10:00	20.18
7/9/2011	10:20:00	20.27
7/9/2011	10:30:00	20.32
7/9/2011	10:40:00	20.39
7/9/2011	10:50:00	20.49
7/9/2011	11:00:00	20.63
7/9/2011	11:10:00	20.79
7/9/2011	11:20:00	20.95
7/9/2011	11:30:00	21.11
7/9/2011	11:40:00	21.26
7/9/2011	11:50:00	21.43
7/9/2011	12:00:00	21.63
7/9/2011	12:10:00	21.80
7/9/2011	12:20:00	21.97
7/9/2011	12:30:00	22.16
7/9/2011	12:40:00	22.19
7/9/2011	12:50:00	22.33

Date	Time	Temp °C
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7/9/2011	13:30:00	18.82
7/9/2011	13:40:00	18.58
7/9/2011	13:50:00	18.40
7/9/2011	14:00:00	18.30
7/9/2011	14:10:00	18.26
7/9/2011	14:20:00	18.24
7/9/2011	14:30:00	18.22
7/9/2011	14:40:00	18.25
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7/9/2011	15:50:00	18.82
7/9/2011	16:00:00	19.01
7/9/2011	16:10:00	19.25
7/9/2011	16:20:00	19.47
7/9/2011	16:30:00	19.75
7/9/2011	16:40:00	19.93
7/9/2011	16:50:00	20.18
7/9/2011	17:00:00	20.40
7/9/2011	17:10:00	20.61
7/9/2011	17:20:00	20.79
7/9/2011	17:30:00	20.97
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7/9/2011	18:40:00	22.63
7/9/2011	18:50:00	22.89
7/9/2011	19:00:00	23.10
7/9/2011	19:10:00	23.23
7/9/2011	19:20:00	23.31
7/9/2011	19:30:00	23.30
7/9/2011	19:40:00	23.29
7/9/2011	19:50:00	23.26
7/9/2011	20:00:00	23.20
7/9/2011	20:10:00	23.13
7/9/2011	20:20:00	23.04
7/9/2011	20:30:00	22.95
7/9/2011	20:40:00	22.86
7/9/2011	20:50:00	22.77
7/9/2011	21:00:00	22.66
7/9/2011	21:10:00	22.56

Date	Time	Temp °C
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7/9/2011	23:50:00	21.15
7/10/2011	0:00:00	21.07
7/10/2011	0:10:00	21.00
7/10/2011	0:20:00	20.94
7/10/2011	0:30:00	20.86
7/10/2011	0:40:00	20.80
7/10/2011	0:50:00	20.74
7/10/2011	1:00:00	20.69
7/10/2011	1:10:00	20.62
7/10/2011	1:20:00	20.57
7/10/2011	1:30:00	20.50
7/10/2011	1:40:00	20.46
7/10/2011	1:50:00	20.41
7/10/2011	2:00:00	20.36
7/10/2011	2:10:00	20.30
7/10/2011	2:20:00	20.26
7/10/2011	2:30:00	20.20
7/10/2011	2:40:00	20.15
7/10/2011	2:50:00	20.10
7/10/2011	3:00:00	20.04
7/10/2011	3:10:00	19.99
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7/10/2011	4:00:00	19.74
7/10/2011	4:10:00	19.70
7/10/2011	4:20:00	19.65
7/10/2011	4:30:00	19.60
7/10/2011	4:40:00	19.56
7/10/2011	4:50:00	19.52
7/10/2011	5:00:00	19.46
7/10/2011	5:10:00	19.41
7/10/2011	5:20:00	19.36
7/10/2011	5:30:00	19.31

Date	Time	Temp °C
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7/10/2011	5:50:00	19.22
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7/10/2011	6:10:00	19.13
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7/10/2011	7:40:00	18.86
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7/10/2011	9:00:00	19.00
7/10/2011	9:10:00	19.10
7/10/2011	9:20:00	19.20
7/10/2011	9:30:00	19.30
7/10/2011	9:40:00	19.41
7/10/2011	9:50:00	19.52
7/10/2011	10:00:00	19.64
7/10/2011	10:10:00	19.76
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7/10/2011	10:30:00	19.97
7/10/2011	10:40:00	20.03
7/10/2011	10:50:00	20.15
7/10/2011	11:00:00	20.38
7/10/2011	11:10:00	20.61
7/10/2011	11:20:00	20.81
7/10/2011	11:30:00	21.00
7/10/2011	11:40:00	21.19
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7/10/2011	12:00:00	21.44
7/10/2011	12:10:00	21.62
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7/10/2011	12:50:00	21.71
7/10/2011	13:00:00	21.96
7/10/2011	13:10:00	22.30
7/10/2011	13:20:00	22.51
7/10/2011	13:30:00	22.85
7/10/2011	13:40:00	22.99
7/10/2011	13:50:00	23.16

Date	Time	Temp °C
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7/10/2011	14:30:00	24.04
7/10/2011	14:40:00	23.58
7/10/2011	14:50:00	22.84
7/10/2011	15:00:00	20.50
7/10/2011	15:10:00	19.66
7/10/2011	15:20:00	19.17
7/10/2011	15:30:00	18.94
7/10/2011	15:40:00	18.88
7/10/2011	15:50:00	18.92
7/10/2011	16:00:00	18.93
7/10/2011	16:10:00	19.00
7/10/2011	16:20:00	19.10
7/10/2011	16:30:00	19.32
7/10/2011	16:40:00	19.46
7/10/2011	16:50:00	19.69
7/10/2011	17:00:00	19.85
7/10/2011	17:10:00	20.04
7/10/2011	17:20:00	20.22
7/10/2011	17:30:00	20.36
7/10/2011	17:40:00	20.57
7/10/2011	17:50:00	20.73
7/10/2011	18:00:00	20.87
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7/10/2011	18:30:00	21.16
7/10/2011	18:40:00	21.22
7/10/2011	18:50:00	21.25
7/10/2011	19:00:00	21.25
7/10/2011	19:10:00	21.24
7/10/2011	19:20:00	21.19
7/10/2011	19:30:00	21.08
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7/10/2011	20:50:00	21.41
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7/10/2011	21:10:00	21.52
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7/10/2011	21:40:00	21.62
7/10/2011	21:50:00	21.62
7/10/2011	22:00:00	21.64
7/10/2011	22:10:00	21.64

Date	Time	Temp °C
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7/10/2011	22:30:00	21.61
7/10/2011	22:40:00	21.58
7/10/2011	22:50:00	21.55
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7/10/2011	23:10:00	21.48
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7/10/2011	23:30:00	21.38
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7/11/2011	0:50:00	20.95
7/11/2011	1:00:00	20.89
7/11/2011	1:10:00	20.83
7/11/2011	1:20:00	20.80
7/11/2011	1:30:00	20.75
7/11/2011	1:40:00	20.70
7/11/2011	1:50:00	20.66
7/11/2011	2:00:00	20.61
7/11/2011	2:10:00	20.59
7/11/2011	2:20:00	20.55
7/11/2011	2:30:00	20.52
7/11/2011	2:40:00	20.49
7/11/2011	2:50:00	20.45
7/11/2011	3:00:00	20.43
7/11/2011	3:10:00	20.41
7/11/2011	3:20:00	20.38
7/11/2011	3:30:00	20.36
7/11/2011	3:40:00	20.33
7/11/2011	3:50:00	20.30
7/11/2011	4:00:00	20.26
7/11/2011	4:10:00	20.23
7/11/2011	4:20:00	20.19
7/11/2011	4:30:00	20.15
7/11/2011	4:40:00	20.10
7/11/2011	4:50:00	20.06
7/11/2011	5:00:00	20.02
7/11/2011	5:10:00	19.98
7/11/2011	5:20:00	19.94
7/11/2011	5:30:00	19.90
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7/11/2011	5:50:00	19.83
7/11/2011	6:00:00	19.79
7/11/2011	6:10:00	19.76
7/11/2011	6:20:00	19.72
7/11/2011	6:30:00	19.69

Date	Time	Temp °C
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7/11/2011	6:50:00	19.63
7/11/2011	7:00:00	19.61
7/11/2011	7:10:00	19.59
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7/11/2011	8:10:00	19.56
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7/11/2011	9:10:00	19.88
7/11/2011	9:20:00	19.98
7/11/2011	9:30:00	20.10
7/11/2011	9:40:00	20.21
7/11/2011	9:50:00	20.29
7/11/2011	10:00:00	20.35
7/11/2011	10:10:00	20.42
7/11/2011	10:20:00	20.50
7/11/2011	10:30:00	20.61
7/11/2011	10:40:00	20.77
7/11/2011	10:50:00	20.96
7/11/2011	11:00:00	21.15
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7/11/2011	11:30:00	21.69
7/11/2011	11:40:00	21.88
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7/11/2011	12:30:00	22.96
7/11/2011	12:40:00	23.23
7/11/2011	12:50:00	23.10
7/11/2011	13:00:00	23.16
7/11/2011	13:10:00	23.05
7/11/2011	13:20:00	22.55
7/11/2011	13:30:00	20.42
7/11/2011	13:40:00	19.35
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7/11/2011	14:10:00	18.86
7/11/2011	14:20:00	18.84
7/11/2011	14:30:00	18.84
7/11/2011	14:40:00	18.94
7/11/2011	14:50:00	18.96

Date	Time	Temp °C
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7/11/2011	15:20:00	18.80
7/11/2011	15:30:00	18.81
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7/11/2011	15:50:00	19.07
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7/11/2011	16:30:00	19.58
7/11/2011	16:40:00	19.76
7/11/2011	16:50:00	19.93
7/11/2011	17:00:00	20.07
7/11/2011	17:10:00	20.13
7/11/2011	17:20:00	20.24
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7/11/2011	17:40:00	20.39
7/11/2011	17:50:00	20.47
7/11/2011	18:00:00	20.49
7/11/2011	18:10:00	20.51
7/11/2011	18:20:00	20.51
7/11/2011	18:30:00	20.53
7/11/2011	18:40:00	20.54
7/11/2011	18:50:00	20.56
7/11/2011	19:00:00	20.55
7/11/2011	19:10:00	20.53
7/11/2011	19:20:00	20.51
7/11/2011	19:30:00	20.48
7/11/2011	19:40:00	20.47
7/11/2011	19:50:00	20.47
7/11/2011	20:00:00	20.48
7/11/2011	20:10:00	20.52
7/11/2011	20:20:00	20.59
7/11/2011	20:30:00	20.67
7/11/2011	20:40:00	20.78
7/11/2011	20:50:00	20.88
7/11/2011	21:00:00	20.98
7/11/2011	21:10:00	21.09
7/11/2011	21:20:00	21.19
7/11/2011	21:30:00	21.28
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7/11/2011	22:00:00	21.48
7/11/2011	22:10:00	21.52
7/11/2011	22:20:00	21.55
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7/11/2011	22:50:00	21.59
7/11/2011	23:00:00	21.59
7/11/2011	23:10:00	21.58

Date	Time	Temp °C
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7/11/2011	23:30:00	21.55
7/11/2011	23:40:00	21.52
7/11/2011	23:50:00	21.48
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7/12/2011	0:30:00	21.36
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7/12/2011	0:50:00	21.29
7/12/2011	1:00:00	21.26
7/12/2011	1:10:00	21.23
7/12/2011	1:20:00	21.20
7/12/2011	1:30:00	21.18
7/12/2011	1:40:00	21.15
7/12/2011	1:50:00	21.14
7/12/2011	2:00:00	21.12
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7/12/2011	3:30:00	21.01
7/12/2011	3:40:00	21.00
7/12/2011	3:50:00	20.99
7/12/2011	4:00:00	20.98
7/12/2011	4:10:00	20.97
7/12/2011	4:20:00	20.95
7/12/2011	4:30:00	20.93
7/12/2011	4:40:00	20.91
7/12/2011	4:50:00	20.90
7/12/2011	5:00:00	20.88
7/12/2011	5:10:00	20.86
7/12/2011	5:20:00	20.84
7/12/2011	5:30:00	20.81
7/12/2011	5:40:00	20.78
7/12/2011	5:50:00	20.76
7/12/2011	6:00:00	20.73
7/12/2011	6:10:00	20.70
7/12/2011	6:20:00	20.68
7/12/2011	6:30:00	20.66
7/12/2011	6:40:00	20.63
7/12/2011	6:50:00	20.61
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7/12/2011	15:50:00	19.68

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7/12/2011	18:00:00	17.63
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7/12/2011	19:10:00	16.68
7/12/2011	19:20:00	16.59
7/12/2011	19:30:00	16.53
7/12/2011	19:40:00	16.49
7/12/2011	19:50:00	16.47
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7/12/2011	23:20:00	16.88
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7/13/2011	0:10:00	17.97

Date	Time	Temp °C
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7/13/2011	2:00:00	19.88
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7/13/2011	4:10:00	20.46
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7/13/2011	5:10:00	20.45
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Date	Time	Temp °C
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7/13/2011	22:00:00	19.99
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7/13/2011	23:50:00	20.24
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7/14/2011	1:10:00	19.94

Date	Time	Temp °C
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Date	Time	Temp °C
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7/14/2011	10:50:00	19.62
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7/14/2011	12:50:00	21.88
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7/14/2011	15:40:00	25.06
7/14/2011	15:50:00	25.23
7/14/2011	16:00:00	25.43
7/14/2011	16:10:00	25.63
7/14/2011	16:20:00	25.67
7/14/2011	16:30:00	25.78
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7/14/2011	17:40:00	23.69

Date	Time	Temp °C
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7/14/2011	19:00:00	19.87
7/14/2011	19:10:00	19.79
7/14/2011	19:20:00	19.66
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7/14/2011	22:30:00	17.96
7/14/2011	22:40:00	17.92
7/14/2011	22:50:00	17.91
7/14/2011	23:00:00	17.92
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7/15/2011	0:10:00	18.27
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7/15/2011	0:30:00	18.36
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7/15/2011	0:50:00	18.43
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7/15/2011	1:50:00	18.45
7/15/2011	2:00:00	18.43
7/15/2011	2:10:00	18.42

Date	Time	Temp °C
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7/15/2011	2:40:00	18.36
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7/15/2011	3:20:00	18.27
7/15/2011	3:30:00	18.25
7/15/2011	3:40:00	18.23
7/15/2011	3:50:00	18.22
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7/15/2011	4:10:00	18.19
7/15/2011	4:20:00	18.16
7/15/2011	4:30:00	18.14
7/15/2011	4:40:00	18.12
7/15/2011	4:50:00	18.10
7/15/2011	5:00:00	18.07
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7/15/2011	7:20:00	17.81
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7/15/2011	8:20:00	17.94
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7/15/2011	9:10:00	18.26
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7/15/2011	10:00:00	18.66
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7/15/2011	10:30:00	19.17

Date	Time	Temp °C
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7/15/2011	13:00:00	22.04
7/15/2011	13:10:00	22.14
7/15/2011	13:20:00	21.83
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7/15/2011	13:40:00	19.18
7/15/2011	13:50:00	19.15
7/15/2011	14:00:00	19.10
7/15/2011	14:10:00	19.10
7/15/2011	14:20:00	19.17
7/15/2011	14:30:00	19.20
7/15/2011	14:40:00	19.19
7/15/2011	14:50:00	19.19
7/15/2011	15:00:00	19.20
7/15/2011	15:10:00	19.24
7/15/2011	15:20:00	19.30
7/15/2011	15:30:00	19.36
7/15/2011	15:40:00	19.43
7/15/2011	15:50:00	19.55
7/15/2011	16:00:00	19.58
7/15/2011	16:10:00	19.79
7/15/2011	16:20:00	20.03
7/15/2011	16:30:00	20.14
7/15/2011	16:40:00	20.42
7/15/2011	16:50:00	20.44
7/15/2011	17:00:00	20.59
7/15/2011	17:10:00	20.87
7/15/2011	17:20:00	21.09
7/15/2011	17:30:00	21.29
7/15/2011	17:40:00	21.45
7/15/2011	17:50:00	21.57
7/15/2011	18:00:00	21.68
7/15/2011	18:10:00	21.77
7/15/2011	18:20:00	21.84
7/15/2011	18:30:00	21.92
7/15/2011	18:40:00	21.97
7/15/2011	18:50:00	22.02

Date	Time	Temp °C
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7/15/2011	21:10:00	21.09
7/15/2011	21:20:00	21.03
7/15/2011	21:30:00	21.00
7/15/2011	21:40:00	20.98
7/15/2011	21:50:00	20.96
7/15/2011	22:00:00	20.92
7/15/2011	22:10:00	20.90
7/15/2011	22:20:00	20.87
7/15/2011	22:30:00	20.87
7/15/2011	22:40:00	20.85
7/15/2011	22:50:00	20.82
7/15/2011	23:00:00	20.78
7/15/2011	23:10:00	20.75
7/15/2011	23:20:00	20.71
7/15/2011	23:30:00	20.66
7/15/2011	23:40:00	20.62
7/15/2011	23:50:00	20.56
7/16/2011	0:00:00	20.51
7/16/2011	0:10:00	20.47
7/16/2011	0:20:00	20.41
7/16/2011	0:30:00	20.36
7/16/2011	0:40:00	20.31
7/16/2011	0:50:00	20.24
7/16/2011	1:00:00	20.18
7/16/2011	1:10:00	20.11
7/16/2011	1:20:00	20.05
7/16/2011	1:30:00	19.98
7/16/2011	1:40:00	19.93
7/16/2011	1:50:00	19.85
7/16/2011	2:00:00	19.78
7/16/2011	2:10:00	19.72
7/16/2011	2:20:00	19.65
7/16/2011	2:30:00	19.58
7/16/2011	2:40:00	19.50
7/16/2011	2:50:00	19.43
7/16/2011	3:00:00	19.36
7/16/2011	3:10:00	19.29

Date	Time	Temp °C
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7/16/2011	3:40:00	19.09
7/16/2011	3:50:00	19.03
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7/16/2011	4:40:00	18.72
7/16/2011	4:50:00	18.67
7/16/2011	5:00:00	18.61
7/16/2011	5:10:00	18.56
7/16/2011	5:20:00	18.50
7/16/2011	5:30:00	18.45
7/16/2011	5:40:00	18.40
7/16/2011	5:50:00	18.36
7/16/2011	6:00:00	18.31
7/16/2011	6:10:00	18.25
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7/16/2011	6:30:00	18.16
7/16/2011	6:40:00	18.11
7/16/2011	6:50:00	18.06
7/16/2011	7:00:00	18.01
7/16/2011	7:10:00	17.97
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7/16/2011	10:30:00	19.59
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7/16/2011	10:50:00	19.94
7/16/2011	11:00:00	20.12
7/16/2011	11:10:00	20.30
7/16/2011	11:20:00	20.50
7/16/2011	11:30:00	20.69

Date	Time	Temp °C
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7/16/2011	12:10:00	21.57
7/16/2011	12:20:00	21.83
7/16/2011	12:30:00	22.10
7/16/2011	12:40:00	22.37
7/16/2011	12:50:00	22.57
7/16/2011	13:00:00	22.84
7/16/2011	13:10:00	22.52
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7/16/2011	14:50:00	18.94
7/16/2011	15:00:00	18.95
7/16/2011	15:10:00	18.93
7/16/2011	15:20:00	19.00
7/16/2011	15:30:00	19.02
7/16/2011	15:40:00	19.06
7/16/2011	15:50:00	19.09
7/16/2011	16:00:00	19.11
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7/16/2011	16:30:00	19.39
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7/16/2011	16:50:00	19.68
7/16/2011	17:00:00	19.80
7/16/2011	17:10:00	20.05
7/16/2011	17:20:00	20.32
7/16/2011	17:30:00	20.45
7/16/2011	17:40:00	20.61
7/16/2011	17:50:00	20.59
7/16/2011	18:00:00	20.66
7/16/2011	18:10:00	20.70
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7/16/2011	18:30:00	20.89
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7/16/2011	18:50:00	21.11
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7/16/2011	19:10:00	21.25
7/16/2011	19:20:00	21.22
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7/16/2011	19:50:00	21.10

Date	Time	Temp °C
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7/17/2011	0:10:00	20.64
7/17/2011	0:20:00	20.61
7/17/2011	0:30:00	20.58
7/17/2011	0:40:00	20.54
7/17/2011	0:50:00	20.51
7/17/2011	1:00:00	20.47
7/17/2011	1:10:00	20.44
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7/17/2011	1:50:00	20.32
7/17/2011	2:00:00	20.28
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7/17/2011	2:20:00	20.18
7/17/2011	2:30:00	20.13
7/17/2011	2:40:00	20.07
7/17/2011	2:50:00	20.02
7/17/2011	3:00:00	19.98
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7/17/2011	3:50:00	19.75
7/17/2011	4:00:00	19.71
7/17/2011	4:10:00	19.67

Date	Time	Temp °C
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7/17/2011	4:40:00	19.54
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7/17/2011	5:30:00	19.29
7/17/2011	5:40:00	19.25
7/17/2011	5:50:00	19.20
7/17/2011	6:00:00	19.16
7/17/2011	6:10:00	19.11
7/17/2011	6:20:00	19.06
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7/17/2011	9:10:00	19.24
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7/17/2011	9:30:00	19.54
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7/17/2011	9:50:00	19.85
7/17/2011	10:00:00	20.04
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7/17/2011	10:20:00	20.35
7/17/2011	10:30:00	20.58
7/17/2011	10:40:00	20.82
7/17/2011	10:50:00	20.98
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7/17/2011	12:00:00	21.78
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7/17/2011	12:20:00	22.05
7/17/2011	12:30:00	22.14

Date	Time	Temp °C
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7/17/2011	13:30:00	24.44
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7/17/2011	13:50:00	24.86
7/17/2011	14:00:00	25.08
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7/17/2011	14:20:00	24.88
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7/17/2011	14:40:00	25.84
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7/17/2011	16:20:00	18.85
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7/17/2011	16:40:00	19.18
7/17/2011	16:50:00	19.36
7/17/2011	17:00:00	19.53
7/17/2011	17:10:00	19.57
7/17/2011	17:20:00	19.59
7/17/2011	17:30:00	19.68
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7/17/2011	18:20:00	20.35
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7/17/2011	18:40:00	20.57
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7/17/2011	19:20:00	20.66
7/17/2011	19:30:00	20.71
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7/17/2011	19:50:00	20.78
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7/17/2011	20:10:00	20.81
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7/17/2011	20:40:00	20.75
7/17/2011	20:50:00	20.72

Date	Time	Temp °C
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7/17/2011	21:30:00	20.54
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7/17/2011	22:20:00	20.33
7/17/2011	22:30:00	20.32
7/17/2011	22:40:00	20.30
7/17/2011	22:50:00	20.30
7/17/2011	23:00:00	20.30
7/17/2011	23:10:00	20.29
7/17/2011	23:20:00	20.29
7/17/2011	23:30:00	20.29
7/17/2011	23:40:00	20.28
7/17/2011	23:50:00	20.28
7/18/2011	0:00:00	20.29
7/18/2011	0:10:00	20.30
7/18/2011	0:20:00	20.31
7/18/2011	0:30:00	20.31
7/18/2011	0:40:00	20.32
7/18/2011	0:50:00	20.33
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7/18/2011	1:20:00	20.32
7/18/2011	1:30:00	20.31
7/18/2011	1:40:00	20.30
7/18/2011	1:50:00	20.28
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7/18/2011	2:10:00	20.21
7/18/2011	2:20:00	20.19
7/18/2011	2:30:00	20.16
7/18/2011	2:40:00	20.13
7/18/2011	2:50:00	20.09
7/18/2011	3:00:00	20.05
7/18/2011	3:10:00	20.01
7/18/2011	3:20:00	19.97
7/18/2011	3:30:00	19.93
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7/18/2011	4:10:00	19.77
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7/18/2011	5:10:00	19.55

Date	Time	Temp °C
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7/18/2011	7:40:00	19.38
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7/18/2011	8:10:00	19.44
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7/18/2011	8:50:00	19.59
7/18/2011	9:00:00	19.63
7/18/2011	9:10:00	19.66
7/18/2011	9:20:00	19.72
7/18/2011	9:30:00	19.78
7/18/2011	9:40:00	19.83
7/18/2011	9:50:00	19.91
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7/18/2011	10:10:00	20.06
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7/18/2011	11:30:00	21.24
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7/18/2011	12:20:00	22.46
7/18/2011	12:30:00	22.79
7/18/2011	12:40:00	23.10
7/18/2011	12:50:00	23.29
7/18/2011	13:00:00	23.26
7/18/2011	13:10:00	23.02
7/18/2011	13:20:00	22.47
7/18/2011	13:30:00	20.62

Date	Time	Temp °C
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7/18/2011	13:50:00	19.14
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7/18/2011	14:10:00	18.85
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7/18/2011	14:50:00	18.73
7/18/2011	15:00:00	18.72
7/18/2011	15:10:00	18.69
7/18/2011	15:20:00	18.74
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7/18/2011	15:40:00	18.90
7/18/2011	15:50:00	18.93
7/18/2011	16:00:00	19.02
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7/18/2011	17:20:00	20.33
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7/18/2011	18:10:00	20.91
7/18/2011	18:20:00	20.96
7/18/2011	18:30:00	21.00
7/18/2011	18:40:00	21.04
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7/18/2011	21:00:00	20.95
7/18/2011	21:10:00	20.93
7/18/2011	21:20:00	20.92
7/18/2011	21:30:00	20.90
7/18/2011	21:40:00	20.90
7/18/2011	21:50:00	20.90

Date	Time	Temp °C
7/18/2011	22:00:00	20.91
7/18/2011	22:10:00	20.93
7/18/2011	22:20:00	20.95
7/18/2011	22:30:00	20.98
7/18/2011	22:40:00	21.00
7/18/2011	22:50:00	21.03
7/18/2011	23:00:00	21.07
7/18/2011	23:10:00	21.10
7/18/2011	23:20:00	21.14
7/18/2011	23:30:00	21.18
7/18/2011	23:40:00	21.21
7/18/2011	23:50:00	21.25
7/19/2011	0:00:00	21.28
7/19/2011	0:10:00	21.32
7/19/2011	0:20:00	21.33
7/19/2011	0:30:00	21.36
7/19/2011	0:40:00	21.37
7/19/2011	0:50:00	21.38
7/19/2011	1:00:00	21.40
7/19/2011	1:10:00	21.41
7/19/2011	1:20:00	21.42
7/19/2011	1:30:00	21.43
7/19/2011	1:40:00	21.43
7/19/2011	1:50:00	21.43
7/19/2011	2:00:00	21.42
7/19/2011	2:10:00	21.41
7/19/2011	2:20:00	21.39
7/19/2011	2:30:00	21.36
7/19/2011	2:40:00	21.34
7/19/2011	2:50:00	21.31
7/19/2011	3:00:00	21.28
7/19/2011	3:10:00	21.25
7/19/2011	3:20:00	21.23
7/19/2011	3:30:00	21.20
7/19/2011	3:40:00	21.18
7/19/2011	3:50:00	21.15
7/19/2011	4:00:00	21.13
7/19/2011	4:10:00	21.11
7/19/2011	4:20:00	21.08
7/19/2011	4:30:00	21.06
7/19/2011	4:40:00	21.05
7/19/2011	4:50:00	21.03
7/19/2011	5:00:00	21.01
7/19/2011	5:10:00	21.00
7/19/2011	5:20:00	20.99
7/19/2011	5:30:00	20.97
7/19/2011	5:40:00	20.97
7/19/2011	5:50:00	20.95
7/19/2011	6:00:00	20.93
7/19/2011	6:10:00	20.92

Date	Time	Temp °C
7/19/2011	6:20:00	20.90
7/19/2011	6:30:00	20.89
7/19/2011	6:40:00	20.87
7/19/2011	6:50:00	20.86
7/19/2011	7:00:00	20.86
7/19/2011	7:10:00	20.84
7/19/2011	7:20:00	20.83
7/19/2011	7:30:00	20.81
7/19/2011	7:40:00	20.79
7/19/2011	7:50:00	20.78
7/19/2011	8:00:00	20.78
7/19/2011	8:10:00	20.79
7/19/2011	8:20:00	20.81
7/19/2011	8:30:00	20.85
7/19/2011	8:40:00	20.91
7/19/2011	8:50:00	20.98
7/19/2011	9:00:00	21.07
7/19/2011	9:10:00	21.12
7/19/2011	9:20:00	21.17
7/19/2011	9:30:00	21.29
7/19/2011	9:40:00	21.45
7/19/2011	9:50:00	21.55
7/19/2011	10:00:00	21.69
7/19/2011	10:10:00	21.78
7/19/2011	10:20:00	21.83
7/19/2011	10:30:00	21.87
7/19/2011	10:40:00	21.90
7/19/2011	10:50:00	21.99
7/19/2011	11:00:00	22.00
7/19/2011	11:10:00	22.02
7/19/2011	11:20:00	22.05
7/19/2011	11:30:00	22.03
7/19/2011	11:40:00	21.99
7/19/2011	11:50:00	22.03
7/19/2011	12:00:00	22.12
7/19/2011	12:10:00	22.26
7/19/2011	12:20:00	22.35
7/19/2011	12:30:00	22.52
7/19/2011	12:40:00	22.69
7/19/2011	12:50:00	22.75
7/19/2011	13:00:00	22.84
7/19/2011	13:10:00	22.90
7/19/2011	13:20:00	23.03
7/19/2011	13:30:00	23.40
7/19/2011	13:40:00	23.50
7/19/2011	13:50:00	23.59
7/19/2011	14:00:00	23.73
7/19/2011	14:10:00	23.82
7/19/2011	14:20:00	23.91
7/19/2011	14:30:00	23.91

Date	Time	Temp °C
7/19/2011	14:40:00	23.88
7/19/2011	14:50:00	23.56
7/19/2011	15:00:00	21.68
7/19/2011	15:10:00	19.65
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7/19/2011	15:30:00	18.41
7/19/2011	15:40:00	18.07
7/19/2011	15:50:00	17.94
7/19/2011	16:00:00	17.87
7/19/2011	16:10:00	17.80
7/19/2011	16:20:00	17.85
7/19/2011	16:30:00	17.91
7/19/2011	16:40:00	17.98
7/19/2011	16:50:00	18.13
7/19/2011	17:00:00	18.23
7/19/2011	17:10:00	18.45
7/19/2011	17:20:00	18.68
7/19/2011	17:30:00	18.88
7/19/2011	17:40:00	19.10
7/19/2011	17:50:00	19.27
7/19/2011	18:00:00	19.41
7/19/2011	18:10:00	19.54
7/19/2011	18:20:00	19.66
7/19/2011	18:30:00	19.73
7/19/2011	18:40:00	19.82
7/19/2011	18:50:00	19.89
7/19/2011	19:00:00	19.96
7/19/2011	19:10:00	20.01
7/19/2011	19:20:00	20.02
7/19/2011	19:30:00	20.04
7/19/2011	19:40:00	20.05
7/19/2011	19:50:00	20.06
7/19/2011	20:00:00	20.07
7/19/2011	20:10:00	20.06
7/19/2011	20:20:00	20.05
7/19/2011	20:30:00	20.04
7/19/2011	20:40:00	20.01
7/19/2011	20:50:00	19.97
7/19/2011	21:00:00	19.92
7/19/2011	21:10:00	19.87
7/19/2011	21:20:00	19.82
7/19/2011	21:30:00	19.78
7/19/2011	21:40:00	19.74
7/19/2011	21:50:00	19.72
7/19/2011	22:00:00	19.70
7/19/2011	22:10:00	19.70
7/19/2011	22:20:00	19.70
7/19/2011	22:30:00	19.72
7/19/2011	22:40:00	19.75
7/19/2011	22:50:00	19.78

Date	Time	Temp °C
7/19/2011	23:00:00	19.82
7/19/2011	23:10:00	19.87
7/19/2011	23:20:00	19.92
7/19/2011	23:30:00	19.98
7/19/2011	23:40:00	20.03
7/19/2011	23:50:00	20.09
7/20/2011	0:00:00	20.14
7/20/2011	0:10:00	20.20
7/20/2011	0:20:00	20.25
7/20/2011	0:30:00	20.30
7/20/2011	0:40:00	20.35
7/20/2011	0:50:00	20.39
7/20/2011	1:00:00	20.43
7/20/2011	1:10:00	20.47
7/20/2011	1:20:00	20.50
7/20/2011	1:30:00	20.53
7/20/2011	1:40:00	20.56
7/20/2011	1:50:00	20.58
7/20/2011	2:00:00	20.61
7/20/2011	2:10:00	20.63
7/20/2011	2:20:00	20.64
7/20/2011	2:30:00	20.65
7/20/2011	2:40:00	20.66
7/20/2011	2:50:00	20.66
7/20/2011	3:00:00	20.67
7/20/2011	3:10:00	20.67
7/20/2011	3:20:00	20.68
7/20/2011	3:30:00	20.68
7/20/2011	3:40:00	20.69
7/20/2011	3:50:00	20.69
7/20/2011	4:00:00	20.70
7/20/2011	4:10:00	20.70
7/20/2011	4:20:00	20.71
7/20/2011	4:30:00	20.71
7/20/2011	4:40:00	20.71
7/20/2011	4:50:00	20.71
7/20/2011	5:00:00	20.72
7/20/2011	5:10:00	20.72
7/20/2011	5:20:00	20.72
7/20/2011	5:30:00	20.72
7/20/2011	5:40:00	20.72
7/20/2011	5:50:00	20.72
7/20/2011	6:00:00	20.72
7/20/2011	6:10:00	20.72
7/20/2011	6:20:00	20.72
7/20/2011	6:30:00	20.73
7/20/2011	6:40:00	20.73
7/20/2011	6:50:00	20.74
7/20/2011	7:00:00	20.75
7/20/2011	7:10:00	20.76

Date	Time	Temp °C
7/20/2011	7:20:00	20.77
7/20/2011	7:30:00	20.79
7/20/2011	7:40:00	20.80
7/20/2011	7:50:00	20.83
7/20/2011	8:00:00	20.85
7/20/2011	8:10:00	20.90
7/20/2011	8:20:00	20.93
7/20/2011	8:30:00	20.97
7/20/2011	8:40:00	21.04
7/20/2011	8:50:00	21.09
7/20/2011	9:00:00	21.17
7/20/2011	9:10:00	21.27
7/20/2011	9:20:00	21.35
7/20/2011	9:30:00	21.43
7/20/2011	9:40:00	21.52
7/20/2011	9:50:00	21.54
7/20/2011	10:00:00	21.62
7/20/2011	10:10:00	21.81
7/20/2011	10:20:00	21.96
7/20/2011	10:30:00	22.19
7/20/2011	10:40:00	22.37
7/20/2011	10:50:00	22.42
7/20/2011	11:00:00	22.69
7/20/2011	11:10:00	22.85
7/20/2011	11:20:00	23.06
7/20/2011	11:30:00	23.14
7/20/2011	11:40:00	23.42
7/20/2011	11:50:00	23.59
7/20/2011	12:00:00	23.93
7/20/2011	12:10:00	24.04
7/20/2011	12:20:00	24.30
7/20/2011	12:30:00	24.48
7/20/2011	12:40:00	24.59
7/20/2011	12:50:00	24.91
7/20/2011	13:00:00	25.16
7/20/2011	13:10:00	25.36
7/20/2011	13:20:00	25.50
7/20/2011	13:30:00	25.53
7/20/2011	13:40:00	25.62
7/20/2011	13:50:00	25.73
7/20/2011	14:00:00	25.87
7/20/2011	14:10:00	25.87
7/20/2011	14:20:00	25.95
7/20/2011	14:30:00	25.70
7/20/2011	14:40:00	25.22
7/20/2011	14:50:00	24.74
7/20/2011	15:00:00	22.34
7/20/2011	15:10:00	20.80
7/20/2011	15:20:00	20.30
7/20/2011	15:30:00	19.87

Date	Time	Temp °C
7/20/2011	15:40:00	19.61
7/20/2011	15:50:00	19.42
7/20/2011	16:00:00	19.32
7/20/2011	16:10:00	19.25
7/20/2011	16:20:00	19.31
7/20/2011	16:30:00	19.36
7/20/2011	16:40:00	19.43
7/20/2011	16:50:00	19.53
7/20/2011	17:00:00	19.70
7/20/2011	17:10:00	19.76
7/20/2011	17:20:00	19.85
7/20/2011	17:30:00	20.03
7/20/2011	17:40:00	20.24
7/20/2011	17:50:00	20.34
7/20/2011	18:00:00	20.52
7/20/2011	18:10:00	20.69
7/20/2011	18:20:00	20.80
7/20/2011	18:30:00	20.92
7/20/2011	18:40:00	21.01
7/20/2011	18:50:00	21.09
7/20/2011	19:00:00	21.12
7/20/2011	19:10:00	21.19
7/20/2011	19:20:00	21.16
7/20/2011	19:30:00	21.17
7/20/2011	19:40:00	21.16
7/20/2011	19:50:00	21.15
7/20/2011	20:00:00	21.13
7/20/2011	20:10:00	21.11
7/20/2011	20:20:00	21.07
7/20/2011	20:30:00	21.04
7/20/2011	20:40:00	20.99
7/20/2011	20:50:00	20.93
7/20/2011	21:00:00	20.87
7/20/2011	21:10:00	20.81
7/20/2011	21:20:00	20.76
7/20/2011	21:30:00	20.71
7/20/2011	21:40:00	20.68
7/20/2011	21:50:00	20.66
7/20/2011	22:00:00	20.66
7/20/2011	22:10:00	20.66
7/20/2011	22:20:00	20.68
7/20/2011	22:30:00	20.70
7/20/2011	22:40:00	20.74
7/20/2011	22:50:00	20.77
7/20/2011	23:00:00	20.81
7/20/2011	23:10:00	20.85
7/20/2011	23:20:00	20.90
7/20/2011	23:30:00	20.95
7/20/2011	23:40:00	21.02
7/20/2011	23:50:00	21.06

Date	Time	Temp °C
7/21/2011	0:00:00	21.12
7/21/2011	0:10:00	21.16
7/21/2011	0:20:00	21.20
7/21/2011	0:30:00	21.23
7/21/2011	0:40:00	21.25
7/21/2011	0:50:00	21.28
7/21/2011	1:00:00	21.29
7/21/2011	1:10:00	21.31
7/21/2011	1:20:00	21.31
7/21/2011	1:30:00	21.32
7/21/2011	1:40:00	21.32
7/21/2011	1:50:00	21.35
7/21/2011	2:00:00	21.34
7/21/2011	2:10:00	21.31
7/21/2011	2:20:00	21.29
7/21/2011	2:30:00	21.26
7/21/2011	2:40:00	21.24
7/21/2011	2:50:00	21.21
7/21/2011	3:00:00	21.19
7/21/2011	3:10:00	21.16
7/21/2011	3:20:00	21.14
7/21/2011	3:30:00	21.11
7/21/2011	3:40:00	21.09
7/21/2011	3:50:00	21.06
7/21/2011	4:00:00	21.03
7/21/2011	4:10:00	20.99
7/21/2011	4:20:00	20.95
7/21/2011	4:30:00	20.91
7/21/2011	4:40:00	20.88
7/21/2011	4:50:00	20.84
7/21/2011	5:00:00	20.79
7/21/2011	5:10:00	20.75
7/21/2011	5:20:00	20.71
7/21/2011	5:30:00	20.67
7/21/2011	5:40:00	20.64
7/21/2011	5:50:00	20.60
7/21/2011	6:00:00	20.57
7/21/2011	6:10:00	20.54
7/21/2011	6:20:00	20.51
7/21/2011	6:30:00	20.49
7/21/2011	6:40:00	20.46
7/21/2011	6:50:00	20.44
7/21/2011	7:00:00	20.42
7/21/2011	7:10:00	20.40
7/21/2011	7:20:00	20.39
7/21/2011	7:30:00	20.39
7/21/2011	7:40:00	20.40
7/21/2011	7:50:00	20.41
7/21/2011	8:00:00	20.42
7/21/2011	8:10:00	20.42

Date	Time	Temp °C
7/21/2011	8:20:00	20.43
7/21/2011	8:30:00	20.46
7/21/2011	8:40:00	20.49
7/21/2011	8:50:00	20.55
7/21/2011	9:00:00	20.65
7/21/2011	9:10:00	20.78
7/21/2011	9:20:00	20.92
7/21/2011	9:30:00	21.07
7/21/2011	9:40:00	21.21
7/21/2011	9:50:00	21.37
7/21/2011	10:00:00	21.55
7/21/2011	10:10:00	21.72
7/21/2011	10:20:00	21.90
7/21/2011	10:30:00	22.07
7/21/2011	10:40:00	22.23
7/21/2011	10:50:00	22.41
7/21/2011	11:00:00	22.62
7/21/2011	11:10:00	22.83
7/21/2011	11:20:00	23.04
7/21/2011	11:30:00	23.26
7/21/2011	11:40:00	23.47
7/21/2011	11:50:00	23.67
7/21/2011	12:00:00	23.86
7/21/2011	12:10:00	24.04
7/21/2011	12:20:00	24.29
7/21/2011	12:30:00	24.52
7/21/2011	12:40:00	24.71
7/21/2011	12:50:00	25.03
7/21/2011	13:00:00	24.77
7/21/2011	13:10:00	24.73
7/21/2011	13:20:00	24.58
7/21/2011	13:30:00	23.14
7/21/2011	13:40:00	21.03
7/21/2011	13:50:00	20.27
7/21/2011	14:00:00	19.98
7/21/2011	14:10:00	19.80
7/21/2011	14:20:00	19.70
7/21/2011	14:30:00	19.65
7/21/2011	14:40:00	19.65
7/21/2011	14:50:00	19.61
7/21/2011	15:00:00	19.60
7/21/2011	15:10:00	19.60
7/21/2011	15:20:00	19.61
7/21/2011	15:30:00	19.61
7/21/2011	15:40:00	19.57
7/21/2011	15:50:00	19.52
7/21/2011	16:00:00	19.47
7/21/2011	16:10:00	19.42
7/21/2011	16:20:00	19.39
7/21/2011	16:30:00	19.40

Date	Time	Temp °C
7/21/2011	16:40:00	19.30
7/21/2011	16:50:00	19.20
7/21/2011	17:00:00	19.11
7/21/2011	17:10:00	18.94
7/21/2011	17:20:00	18.79
7/21/2011	17:30:00	18.75
7/21/2011	17:40:00	18.70
7/21/2011	17:50:00	18.61
7/21/2011	18:00:00	18.40
7/21/2011	18:10:00	18.28
7/21/2011	18:20:00	18.14
7/21/2011	18:30:00	18.03
7/21/2011	18:40:00	17.96
7/21/2011	18:50:00	17.90
7/21/2011	19:00:00	17.90
7/21/2011	19:10:00	17.90
7/21/2011	19:20:00	17.86
7/21/2011	19:30:00	17.85
7/21/2011	19:40:00	17.88
7/21/2011	19:50:00	17.89
7/21/2011	20:00:00	17.91
7/21/2011	20:10:00	17.93
7/21/2011	20:20:00	17.96
7/21/2011	20:30:00	17.98
7/21/2011	20:40:00	18.00
7/21/2011	20:50:00	18.01
7/21/2011	21:00:00	18.02
7/21/2011	21:10:00	18.05
7/21/2011	21:20:00	18.07
7/21/2011	21:30:00	18.10
7/21/2011	21:40:00	18.12
7/21/2011	21:50:00	18.14
7/21/2011	22:00:00	18.16
7/21/2011	22:10:00	18.19
7/21/2011	22:20:00	18.21
7/21/2011	22:30:00	18.22
7/21/2011	22:40:00	18.22
7/21/2011	22:50:00	18.24
7/21/2011	23:00:00	18.25
7/21/2011	23:10:00	18.25
7/21/2011	23:20:00	18.25
7/21/2011	23:30:00	18.25
7/21/2011	23:40:00	18.26
7/21/2011	23:50:00	18.26
7/22/2011	0:00:00	18.27
7/22/2011	0:10:00	18.27
7/22/2011	0:20:00	18.28
7/22/2011	0:30:00	18.30
7/22/2011	0:40:00	18.32
7/22/2011	0:50:00	18.35

Date	Time	Temp °C
7/22/2011	1:00:00	18.40
7/22/2011	1:10:00	18.45
7/22/2011	1:20:00	18.50
7/22/2011	1:30:00	18.57
7/22/2011	1:40:00	18.63
7/22/2011	1:50:00	18.71
7/22/2011	2:00:00	18.79
7/22/2011	2:10:00	18.85
7/22/2011	2:20:00	18.93
7/22/2011	2:30:00	19.01
7/22/2011	2:40:00	19.09
7/22/2011	2:50:00	19.17
7/22/2011	3:00:00	19.25
7/22/2011	3:10:00	19.32
7/22/2011	3:20:00	19.39
7/22/2011	3:30:00	19.46
7/22/2011	3:40:00	19.54
7/22/2011	3:50:00	19.60
7/22/2011	4:00:00	19.67
7/22/2011	4:10:00	19.73
7/22/2011	4:20:00	19.80
7/22/2011	4:30:00	19.87
7/22/2011	4:40:00	19.93
7/22/2011	4:50:00	19.98
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7/22/2011	5:20:00	20.13
7/22/2011	5:30:00	20.16
7/22/2011	5:40:00	20.20
7/22/2011	5:50:00	20.24
7/22/2011	6:00:00	20.27
7/22/2011	6:10:00	20.32
7/22/2011	6:20:00	20.36
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7/22/2011	6:50:00	20.45
7/22/2011	7:00:00	20.49
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7/22/2011	7:40:00	20.65
7/22/2011	7:50:00	20.70
7/22/2011	8:00:00	20.75
7/22/2011	8:10:00	20.81
7/22/2011	8:20:00	20.88
7/22/2011	8:30:00	20.95
7/22/2011	8:40:00	21.04
7/22/2011	8:50:00	21.12
7/22/2011	9:00:00	21.23
7/22/2011	9:10:00	21.36

Date	Time	Temp °C
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7/22/2011	9:40:00	21.66
7/22/2011	9:50:00	21.84
7/22/2011	10:00:00	21.98
7/22/2011	10:10:00	22.13
7/22/2011	10:20:00	22.31
7/22/2011	10:30:00	22.41
7/22/2011	10:40:00	22.64
7/22/2011	10:50:00	22.81
7/22/2011	11:00:00	23.01
7/22/2011	11:10:00	23.20
7/22/2011	11:20:00	23.39
7/22/2011	11:30:00	23.54
7/22/2011	11:40:00	23.58
7/22/2011	11:50:00	23.78
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7/22/2011	12:30:00	24.78
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7/22/2011	12:50:00	25.31
7/22/2011	13:00:00	25.34
7/22/2011	13:10:00	25.36
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7/22/2011	13:30:00	23.87
7/22/2011	13:40:00	21.64
7/22/2011	13:50:00	20.87
7/22/2011	14:00:00	20.48
7/22/2011	14:10:00	20.18
7/22/2011	14:20:00	19.91
7/22/2011	14:30:00	19.83
7/22/2011	14:40:00	19.77
7/22/2011	14:50:00	19.73
7/22/2011	15:00:00	19.69
7/22/2011	15:10:00	19.70
7/22/2011	15:20:00	19.67
7/22/2011	15:30:00	19.63
7/22/2011	15:40:00	19.67
7/22/2011	15:50:00	19.67
7/22/2011	16:00:00	19.65
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7/22/2011	16:50:00	19.41
7/22/2011	17:00:00	19.30
7/22/2011	17:10:00	19.15
7/22/2011	17:20:00	19.03
7/22/2011	17:30:00	18.96

Date	Time	Temp °C
7/22/2011	17:40:00	18.94
7/22/2011	17:50:00	18.93
7/22/2011	18:00:00	18.97
7/22/2011	18:10:00	19.02
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7/22/2011	20:50:00	19.27
7/22/2011	21:00:00	19.27
7/22/2011	21:10:00	19.26
7/22/2011	21:20:00	19.26
7/22/2011	21:30:00	19.25
7/22/2011	21:40:00	19.23
7/22/2011	21:50:00	19.21
7/22/2011	22:00:00	19.20
7/22/2011	22:10:00	19.19
7/22/2011	22:20:00	19.18
7/22/2011	22:30:00	19.18
7/22/2011	22:40:00	19.19
7/22/2011	22:50:00	19.19
7/22/2011	23:00:00	19.19
7/22/2011	23:10:00	19.18
7/22/2011	23:20:00	19.18
7/22/2011	23:30:00	19.18
7/22/2011	23:40:00	19.18
7/22/2011	23:50:00	19.19
7/23/2011	0:00:00	19.19
7/23/2011	0:10:00	19.21
7/23/2011	0:20:00	19.23
7/23/2011	0:30:00	19.25
7/23/2011	0:40:00	19.28
7/23/2011	0:50:00	19.32
7/23/2011	1:00:00	19.35
7/23/2011	1:10:00	19.39
7/23/2011	1:20:00	19.43
7/23/2011	1:30:00	19.47
7/23/2011	1:40:00	19.52
7/23/2011	1:50:00	19.58

Date	Time	Temp °C
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7/23/2011	2:10:00	19.68
7/23/2011	2:20:00	19.73
7/23/2011	2:30:00	19.78
7/23/2011	2:40:00	19.82
7/23/2011	2:50:00	19.87
7/23/2011	3:00:00	19.92
7/23/2011	3:10:00	19.96
7/23/2011	3:20:00	20.00
7/23/2011	3:30:00	20.04
7/23/2011	3:40:00	20.07
7/23/2011	3:50:00	20.10
7/23/2011	4:00:00	20.13
7/23/2011	4:10:00	20.15
7/23/2011	4:20:00	20.18
7/23/2011	4:30:00	20.20
7/23/2011	4:40:00	20.22
7/23/2011	4:50:00	20.25
7/23/2011	5:00:00	20.27
7/23/2011	5:10:00	20.29
7/23/2011	5:20:00	20.31
7/23/2011	5:30:00	20.32
7/23/2011	5:40:00	20.34
7/23/2011	5:50:00	20.35
7/23/2011	6:00:00	20.37
7/23/2011	6:10:00	20.38
7/23/2011	6:20:00	20.40
7/23/2011	6:30:00	20.41
7/23/2011	6:40:00	20.42
7/23/2011	6:50:00	20.44
7/23/2011	7:00:00	20.45
7/23/2011	7:10:00	20.48
7/23/2011	7:20:00	20.50
7/23/2011	7:30:00	20.53
7/23/2011	7:40:00	20.56
7/23/2011	7:50:00	20.59
7/23/2011	8:00:00	20.62
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7/23/2011	8:20:00	20.70
7/23/2011	8:30:00	20.74
7/23/2011	8:40:00	20.80
7/23/2011	8:50:00	20.84
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7/23/2011	9:40:00	21.24
7/23/2011	9:50:00	21.34
7/23/2011	10:00:00	21.46
7/23/2011	10:10:00	21.58

Date	Time	Temp °C
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7/23/2011	10:30:00	21.92
7/23/2011	10:40:00	22.06
7/23/2011	10:50:00	22.24
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7/23/2011	13:20:00	24.29
7/23/2011	13:30:00	22.14
7/23/2011	13:40:00	20.37
7/23/2011	13:50:00	19.68
7/23/2011	14:00:00	19.24
7/23/2011	14:10:00	18.92
7/23/2011	14:20:00	18.67
7/23/2011	14:30:00	18.57
7/23/2011	14:40:00	18.54
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7/23/2011	18:00:00	17.80
7/23/2011	18:10:00	17.67
7/23/2011	18:20:00	17.58
7/23/2011	18:30:00	17.48

Date	Time	Temp °C
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7/23/2011	18:50:00	17.41
7/23/2011	19:00:00	17.40
7/23/2011	19:10:00	17.36
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7/23/2011	19:30:00	17.34
7/23/2011	19:40:00	17.35
7/23/2011	19:50:00	17.37
7/23/2011	20:00:00	17.41
7/23/2011	20:10:00	17.43
7/23/2011	20:20:00	17.44
7/23/2011	20:30:00	17.47
7/23/2011	20:40:00	17.50
7/23/2011	20:50:00	17.52
7/23/2011	21:00:00	17.55
7/23/2011	21:10:00	17.58
7/23/2011	21:20:00	17.61
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7/23/2011	21:50:00	17.67
7/23/2011	22:00:00	17.71
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7/23/2011	22:20:00	17.75
7/23/2011	22:30:00	17.75
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7/23/2011	22:50:00	17.79
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7/23/2011	23:10:00	17.85
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7/23/2011	23:50:00	17.92
7/24/2011	0:00:00	17.93
7/24/2011	0:10:00	17.94
7/24/2011	0:20:00	17.96
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7/24/2011	1:20:00	18.05
7/24/2011	1:30:00	18.08
7/24/2011	1:40:00	18.10
7/24/2011	1:50:00	18.13
7/24/2011	2:00:00	18.16
7/24/2011	2:10:00	18.20
7/24/2011	2:20:00	18.24
7/24/2011	2:30:00	18.29
7/24/2011	2:40:00	18.34
7/24/2011	2:50:00	18.39

Date	Time	Temp °C
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7/24/2011	3:30:00	18.58
7/24/2011	3:40:00	18.63
7/24/2011	3:50:00	18.68
7/24/2011	4:00:00	18.73
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7/24/2011	6:20:00	19.40
7/24/2011	6:30:00	19.44
7/24/2011	6:40:00	19.49
7/24/2011	6:50:00	19.53
7/24/2011	7:00:00	19.57
7/24/2011	7:10:00	19.62
7/24/2011	7:20:00	19.66
7/24/2011	7:30:00	19.71
7/24/2011	7:40:00	19.76
7/24/2011	7:50:00	19.82
7/24/2011	8:00:00	19.87
7/24/2011	8:10:00	19.92
7/24/2011	8:20:00	19.97
7/24/2011	8:30:00	20.03
7/24/2011	8:40:00	20.12
7/24/2011	8:50:00	20.16
7/24/2011	9:00:00	20.19
7/24/2011	9:10:00	20.23
7/24/2011	9:20:00	20.26
7/24/2011	9:30:00	20.30
7/24/2011	9:40:00	20.33
7/24/2011	9:50:00	20.39
7/24/2011	10:00:00	20.45
7/24/2011	10:10:00	20.55
7/24/2011	10:20:00	20.64
7/24/2011	10:30:00	20.76
7/24/2011	10:40:00	20.90
7/24/2011	10:50:00	21.08
7/24/2011	11:00:00	21.29
7/24/2011	11:10:00	21.47

Date	Time	Temp °C
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7/24/2011	11:30:00	21.93
7/24/2011	11:40:00	22.00
7/24/2011	11:50:00	22.21
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7/24/2011	12:10:00	22.43
7/24/2011	12:20:00	22.54
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7/24/2011	12:40:00	22.97
7/24/2011	12:50:00	23.19
7/24/2011	13:00:00	23.31
7/24/2011	13:10:00	23.51
7/24/2011	13:20:00	23.22
7/24/2011	13:30:00	21.26
7/24/2011	13:40:00	19.83
7/24/2011	13:50:00	19.43
7/24/2011	14:00:00	19.19
7/24/2011	14:10:00	19.04
7/24/2011	14:20:00	18.94
7/24/2011	14:30:00	18.91
7/24/2011	14:40:00	18.92
7/24/2011	14:50:00	19.01
7/24/2011	15:00:00	19.04
7/24/2011	15:10:00	19.10
7/24/2011	15:20:00	19.24
7/24/2011	15:30:00	19.57
7/24/2011	15:40:00	19.69
7/24/2011	15:50:00	19.90
7/24/2011	16:00:00	20.08
7/24/2011	16:10:00	20.29
7/24/2011	16:20:00	20.44
7/24/2011	16:30:00	20.67
7/24/2011	16:40:00	21.01
7/24/2011	16:50:00	21.21
7/24/2011	17:00:00	21.45
7/24/2011	17:10:00	21.72
7/24/2011	17:20:00	21.77
7/24/2011	17:30:00	21.97
7/24/2011	17:40:00	22.17
7/24/2011	17:50:00	22.14
7/24/2011	18:00:00	22.22
7/24/2011	18:10:00	22.35
7/24/2011	18:20:00	22.40
7/24/2011	18:30:00	22.43
7/24/2011	18:40:00	22.46
7/24/2011	18:50:00	22.48
7/24/2011	19:00:00	22.51
7/24/2011	19:10:00	22.52
7/24/2011	19:20:00	22.49
7/24/2011	19:30:00	22.48

Date	Time	Temp °C
7/24/2011	19:40:00	22.48
7/24/2011	19:50:00	22.49
7/24/2011	20:00:00	22.49
7/24/2011	20:10:00	22.48
7/24/2011	20:20:00	22.48
7/24/2011	20:30:00	22.45
7/24/2011	20:40:00	22.42
7/24/2011	20:50:00	22.38
7/24/2011	21:00:00	22.34
7/24/2011	21:10:00	22.29
7/24/2011	21:20:00	22.26
7/24/2011	21:30:00	22.23
7/24/2011	21:40:00	22.21
7/24/2011	21:50:00	22.20
7/24/2011	22:00:00	22.21
7/24/2011	22:10:00	22.22
7/24/2011	22:20:00	22.25
7/24/2011	22:30:00	22.29
7/24/2011	22:40:00	22.31
7/24/2011	22:50:00	22.35
7/24/2011	23:00:00	22.39
7/24/2011	23:10:00	22.42
7/24/2011	23:20:00	22.45
7/24/2011	23:30:00	22.47
7/24/2011	23:40:00	22.50
7/24/2011	23:50:00	22.50
7/25/2011	0:00:00	22.51
7/25/2011	0:10:00	22.51
7/25/2011	0:20:00	22.51
7/25/2011	0:30:00	22.50
7/25/2011	0:40:00	22.49
7/25/2011	0:50:00	22.48
7/25/2011	1:00:00	22.46
7/25/2011	1:10:00	22.45
7/25/2011	1:20:00	22.43
7/25/2011	1:30:00	22.41
7/25/2011	1:40:00	22.38
7/25/2011	1:50:00	22.36
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7/25/2011	2:10:00	22.32
7/25/2011	2:20:00	22.29
7/25/2011	2:30:00	22.27
7/25/2011	2:40:00	22.25
7/25/2011	2:50:00	22.22
7/25/2011	3:00:00	22.20
7/25/2011	3:10:00	22.18
7/25/2011	3:20:00	22.16
7/25/2011	3:30:00	22.15
7/25/2011	3:40:00	22.13
7/25/2011	3:50:00	22.11

Date	Time	Temp °C
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7/25/2011	4:10:00	22.09
7/25/2011	4:20:00	22.08
7/25/2011	4:30:00	22.07
7/25/2011	4:40:00	22.06
7/25/2011	4:50:00	22.06
7/25/2011	5:00:00	22.05
7/25/2011	5:10:00	22.04
7/25/2011	5:20:00	22.03
7/25/2011	5:30:00	22.03
7/25/2011	5:40:00	22.02
7/25/2011	5:50:00	22.02
7/25/2011	6:00:00	22.02
7/25/2011	6:10:00	22.00
7/25/2011	6:20:00	22.00
7/25/2011	6:30:00	22.00
7/25/2011	6:40:00	22.00
7/25/2011	6:50:00	22.00
7/25/2011	7:00:00	21.99
7/25/2011	7:10:00	21.99
7/25/2011	7:20:00	22.00
7/25/2011	7:30:00	22.02
7/25/2011	7:40:00	22.04
7/25/2011	7:50:00	22.10
7/25/2011	8:00:00	22.13
7/25/2011	8:10:00	22.17
7/25/2011	8:20:00	22.20
7/25/2011	8:30:00	22.21
7/25/2011	8:40:00	22.21
7/25/2011	8:50:00	22.23
7/25/2011	9:00:00	22.24
7/25/2011	9:10:00	22.28
7/25/2011	9:20:00	22.33
7/25/2011	9:30:00	22.40
7/25/2011	9:40:00	22.49
7/25/2011	9:50:00	22.58
7/25/2011	10:00:00	22.66
7/25/2011	10:10:00	22.72
7/25/2011	10:20:00	22.77
7/25/2011	10:30:00	22.84
7/25/2011	10:40:00	22.90
7/25/2011	10:50:00	22.98
7/25/2011	11:00:00	23.00
7/25/2011	11:10:00	23.02
7/25/2011	11:20:00	23.05
7/25/2011	11:30:00	23.12
7/25/2011	11:40:00	23.22
7/25/2011	11:50:00	23.30
7/25/2011	12:00:00	23.34
7/25/2011	12:10:00	23.37

Date	Time	Temp °C
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7/25/2011	12:40:00	23.56
7/25/2011	12:50:00	23.74
7/25/2011	13:00:00	23.88
7/25/2011	13:10:00	23.78
7/25/2011	13:20:00	21.25
7/25/2011	13:30:00	19.60
7/25/2011	13:40:00	19.15
7/25/2011	13:50:00	18.80
7/25/2011	14:00:00	18.60
7/25/2011	14:10:00	18.48
7/25/2011	14:20:00	18.37
7/25/2011	14:30:00	18.31
7/25/2011	14:40:00	18.34
7/25/2011	14:50:00	18.42
7/25/2011	15:00:00	18.48
7/25/2011	15:10:00	18.42
7/25/2011	15:20:00	18.37
7/25/2011	15:30:00	18.32
7/25/2011	15:40:00	18.24
7/25/2011	15:50:00	18.24
7/25/2011	16:00:00	18.30
7/25/2011	16:10:00	18.37
7/25/2011	16:20:00	18.47
7/25/2011	16:30:00	18.55
7/25/2011	16:40:00	18.78
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7/25/2011	18:10:00	20.01
7/25/2011	18:20:00	20.08
7/25/2011	18:30:00	20.15
7/25/2011	18:40:00	20.19
7/25/2011	18:50:00	20.23
7/25/2011	19:00:00	20.27
7/25/2011	19:10:00	20.36
7/25/2011	19:20:00	20.48
7/25/2011	19:30:00	20.67
7/25/2011	19:40:00	20.86
7/25/2011	19:50:00	21.09
7/25/2011	20:00:00	21.28
7/25/2011	20:10:00	21.47
7/25/2011	20:20:00	21.64
7/25/2011	20:30:00	21.78

Date	Time	Temp °C
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7/25/2011	20:50:00	22.05
7/25/2011	21:00:00	22.15
7/25/2011	21:10:00	22.26
7/25/2011	21:20:00	22.35
7/25/2011	21:30:00	22.43
7/25/2011	21:40:00	22.50
7/25/2011	21:50:00	22.55
7/25/2011	22:00:00	22.60
7/25/2011	22:10:00	22.63
7/25/2011	22:20:00	22.66
7/25/2011	22:30:00	22.68
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7/26/2011	0:50:00	22.48
7/26/2011	1:00:00	22.44
7/26/2011	1:10:00	22.40
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7/26/2011	1:30:00	22.34
7/26/2011	1:40:00	22.31
7/26/2011	1:50:00	22.29
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7/26/2011	2:20:00	22.21
7/26/2011	2:30:00	22.18
7/26/2011	2:40:00	22.15
7/26/2011	2:50:00	22.12
7/26/2011	3:00:00	22.09
7/26/2011	3:10:00	22.06
7/26/2011	3:20:00	22.04
7/26/2011	3:30:00	22.02
7/26/2011	3:40:00	22.00
7/26/2011	3:50:00	21.97
7/26/2011	4:00:00	21.94
7/26/2011	4:10:00	21.91
7/26/2011	4:20:00	21.87
7/26/2011	4:30:00	21.86
7/26/2011	4:40:00	21.83
7/26/2011	4:50:00	21.81

Date	Time	Temp °C
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7/26/2011	5:10:00	21.76
7/26/2011	5:20:00	21.73
7/26/2011	5:30:00	21.69
7/26/2011	5:40:00	21.64
7/26/2011	5:50:00	21.60
7/26/2011	6:00:00	21.56
7/26/2011	6:10:00	21.51
7/26/2011	6:20:00	21.47
7/26/2011	6:30:00	21.43
7/26/2011	6:40:00	21.40
7/26/2011	6:50:00	21.37
7/26/2011	7:00:00	21.34
7/26/2011	7:10:00	21.32
7/26/2011	7:20:00	21.29
7/26/2011	7:30:00	21.29
7/26/2011	7:40:00	21.28
7/26/2011	7:50:00	21.28
7/26/2011	8:00:00	21.28
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7/26/2011	8:20:00	21.24
7/26/2011	8:30:00	21.24
7/26/2011	8:40:00	21.25
7/26/2011	8:50:00	21.29
7/26/2011	9:00:00	21.36
7/26/2011	9:10:00	21.48
7/26/2011	9:20:00	21.58
7/26/2011	9:30:00	21.70
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7/26/2011	9:50:00	21.92
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7/26/2011	10:10:00	22.18
7/26/2011	10:20:00	22.32
7/26/2011	10:30:00	22.46
7/26/2011	10:40:00	22.61
7/26/2011	10:50:00	22.75
7/26/2011	11:00:00	22.92
7/26/2011	11:10:00	23.07
7/26/2011	11:20:00	23.23
7/26/2011	11:30:00	23.40
7/26/2011	11:40:00	23.57
7/26/2011	11:50:00	23.75
7/26/2011	12:00:00	23.94
7/26/2011	12:10:00	24.16
7/26/2011	12:20:00	24.36
7/26/2011	12:30:00	24.62
7/26/2011	12:40:00	24.85
7/26/2011	12:50:00	25.07
7/26/2011	13:00:00	25.30
7/26/2011	13:10:00	25.52

Date	Time	Temp °C
7/26/2011	13:20:00	25.70
7/26/2011	13:30:00	25.92
7/26/2011	13:40:00	26.17
7/26/2011	13:50:00	26.42
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7/26/2011	14:10:00	26.81
7/26/2011	14:20:00	26.99
7/26/2011	14:30:00	27.11
7/26/2011	14:40:00	27.00
7/26/2011	14:50:00	27.29
7/26/2011	15:00:00	26.74
7/26/2011	15:10:00	24.63
7/26/2011	15:20:00	22.21
7/26/2011	15:30:00	21.31
7/26/2011	15:40:00	20.76
7/26/2011	15:50:00	20.37
7/26/2011	16:00:00	20.12
7/26/2011	16:10:00	19.92
7/26/2011	16:20:00	19.81
7/26/2011	16:30:00	19.78
7/26/2011	16:40:00	19.79
7/26/2011	16:50:00	19.78
7/26/2011	17:00:00	19.97
7/26/2011	17:10:00	19.96
7/26/2011	17:20:00	20.19
7/26/2011	17:30:00	20.31
7/26/2011	17:40:00	20.39
7/26/2011	17:50:00	20.58
7/26/2011	18:00:00	20.64
7/26/2011	18:10:00	20.74
7/26/2011	18:20:00	20.87
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7/26/2011	18:40:00	20.94
7/26/2011	18:50:00	21.03
7/26/2011	19:00:00	21.06
7/26/2011	19:10:00	21.07
7/26/2011	19:20:00	21.07
7/26/2011	19:30:00	21.08
7/26/2011	19:40:00	21.09
7/26/2011	19:50:00	21.07
7/26/2011	20:00:00	21.05
7/26/2011	20:10:00	21.02
7/26/2011	20:20:00	20.98
7/26/2011	20:30:00	20.95
7/26/2011	20:40:00	20.91
7/26/2011	20:50:00	20.87
7/26/2011	21:00:00	20.83
7/26/2011	21:10:00	20.79
7/26/2011	21:20:00	20.76
7/26/2011	21:30:00	20.73

Date	Time	Temp °C
7/26/2011	21:40:00	20.72
7/26/2011	21:50:00	20.72
7/26/2011	22:00:00	20.74
7/26/2011	22:10:00	20.76
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7/26/2011	22:30:00	20.83
7/26/2011	22:40:00	20.87
7/26/2011	22:50:00	20.91
7/26/2011	23:00:00	20.96
7/26/2011	23:10:00	21.00
7/26/2011	23:20:00	21.05
7/26/2011	23:30:00	21.10
7/26/2011	23:40:00	21.14
7/26/2011	23:50:00	21.16
7/27/2011	0:00:00	21.19
7/27/2011	0:10:00	21.22
7/27/2011	0:20:00	21.22
7/27/2011	0:30:00	21.25
7/27/2011	0:40:00	21.25
7/27/2011	0:50:00	21.25
7/27/2011	1:00:00	21.25
7/27/2011	1:10:00	21.25
7/27/2011	1:20:00	21.23
7/27/2011	1:30:00	21.22
7/27/2011	1:40:00	21.20
7/27/2011	1:50:00	21.20
7/27/2011	2:00:00	21.17
7/27/2011	2:10:00	21.15
7/27/2011	2:20:00	21.12
7/27/2011	2:30:00	21.09
7/27/2011	2:40:00	21.07
7/27/2011	2:50:00	21.04
7/27/2011	3:00:00	21.00
7/27/2011	3:10:00	20.96
7/27/2011	3:20:00	20.93
7/27/2011	3:30:00	20.90
7/27/2011	3:40:00	20.87
7/27/2011	3:50:00	20.83
7/27/2011	4:00:00	20.79
7/27/2011	4:10:00	20.76
7/27/2011	4:20:00	20.73
7/27/2011	4:30:00	20.69
7/27/2011	4:40:00	20.65
7/27/2011	4:50:00	20.61
7/27/2011	5:00:00	20.57
7/27/2011	5:10:00	20.54
7/27/2011	5:20:00	20.50
7/27/2011	5:30:00	20.47
7/27/2011	5:40:00	20.43
7/27/2011	5:50:00	20.38

Date	Time	Temp °C
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7/27/2011	6:20:00	20.27
7/27/2011	6:30:00	20.23
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7/27/2011	6:50:00	20.17
7/27/2011	7:00:00	20.13
7/27/2011	7:10:00	20.12
7/27/2011	7:20:00	20.09
7/27/2011	7:30:00	20.06
7/27/2011	7:40:00	20.02
7/27/2011	7:50:00	20.02
7/27/2011	8:00:00	20.03
7/27/2011	8:10:00	20.02
7/27/2011	8:20:00	20.01
7/27/2011	8:30:00	20.05
7/27/2011	8:40:00	20.10
7/27/2011	8:50:00	20.14
7/27/2011	9:00:00	20.21
7/27/2011	9:10:00	20.33
7/27/2011	9:20:00	20.47
7/27/2011	9:30:00	20.60
7/27/2011	9:40:00	20.72
7/27/2011	9:50:00	20.83
7/27/2011	10:00:00	20.93
7/27/2011	10:10:00	21.03
7/27/2011	10:20:00	21.19
7/27/2011	10:30:00	21.32
7/27/2011	10:40:00	21.47
7/27/2011	10:50:00	21.65
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7/27/2011	11:10:00	21.93
7/27/2011	11:20:00	22.09
7/27/2011	11:30:00	22.31
7/27/2011	11:40:00	22.55
7/27/2011	11:50:00	22.75
7/27/2011	12:00:00	22.93
7/27/2011	12:10:00	23.19
7/27/2011	12:20:00	23.46
7/27/2011	12:30:00	23.60
7/27/2011	12:40:00	23.83
7/27/2011	12:50:00	23.97
7/27/2011	13:00:00	23.82
7/27/2011	13:10:00	23.56
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7/27/2011	13:30:00	20.98
7/27/2011	13:40:00	19.94
7/27/2011	13:50:00	19.55
7/27/2011	14:00:00	19.44
7/27/2011	14:10:00	19.41

Date	Time	Temp °C
7/27/2011	14:20:00	19.32
7/27/2011	14:30:00	19.42
7/27/2011	14:40:00	19.58
7/27/2011	14:50:00	19.75
7/27/2011	15:00:00	19.78
7/27/2011	15:10:00	19.84
7/27/2011	15:20:00	20.10
7/27/2011	15:30:00	20.41
7/27/2011	15:40:00	20.56
7/27/2011	15:50:00	20.82
7/27/2011	16:00:00	21.10
7/27/2011	16:10:00	21.42
7/27/2011	16:20:00	21.66
7/27/2011	16:30:00	21.99
7/27/2011	16:40:00	22.22
7/27/2011	16:50:00	22.44
7/27/2011	17:00:00	22.64
7/27/2011	17:10:00	22.77
7/27/2011	17:20:00	22.93
7/27/2011	17:30:00	23.05
7/27/2011	17:40:00	23.15
7/27/2011	17:50:00	23.19
7/27/2011	18:00:00	23.26
7/27/2011	18:10:00	23.27
7/27/2011	18:20:00	23.25
7/27/2011	18:30:00	23.38
7/27/2011	18:40:00	23.42
7/27/2011	18:50:00	23.42
7/27/2011	19:00:00	23.42
7/27/2011	19:10:00	23.48
7/27/2011	19:20:00	23.41
7/27/2011	19:30:00	23.36
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7/27/2011	19:50:00	23.27
7/27/2011	20:00:00	23.21
7/27/2011	20:10:00	23.14
7/27/2011	20:20:00	23.08
7/27/2011	20:30:00	23.01
7/27/2011	20:40:00	22.95
7/27/2011	20:50:00	22.89
7/27/2011	21:00:00	22.83
7/27/2011	21:10:00	22.77
7/27/2011	21:20:00	22.70
7/27/2011	21:30:00	22.64
7/27/2011	21:40:00	22.57
7/27/2011	21:50:00	22.51
7/27/2011	22:00:00	22.45
7/27/2011	22:10:00	22.39
7/27/2011	22:20:00	22.34
7/27/2011	22:30:00	22.27

Date	Time	Temp °C
7/27/2011	22:40:00	22.23
7/27/2011	22:50:00	22.17
7/27/2011	23:00:00	22.13
7/27/2011	23:10:00	22.08
7/27/2011	23:20:00	22.03
7/27/2011	23:30:00	21.99
7/27/2011	23:40:00	21.94
7/27/2011	23:50:00	21.87
7/28/2011	0:00:00	21.82
7/28/2011	0:10:00	21.76
7/28/2011	0:20:00	21.69
7/28/2011	0:30:00	21.65
7/28/2011	0:40:00	21.59
7/28/2011	0:50:00	21.52
7/28/2011	1:00:00	21.45
7/28/2011	1:10:00	21.40
7/28/2011	1:20:00	21.34
7/28/2011	1:30:00	21.26
7/28/2011	1:40:00	21.17
7/28/2011	1:50:00	21.12
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7/28/2011	2:10:00	20.97
7/28/2011	2:20:00	20.89
7/28/2011	2:30:00	20.83
7/28/2011	2:40:00	20.76
7/28/2011	2:50:00	20.69
7/28/2011	3:00:00	20.62
7/28/2011	3:10:00	20.57
7/28/2011	3:20:00	20.49
7/28/2011	3:30:00	20.43
7/28/2011	3:40:00	20.37
7/28/2011	3:50:00	20.30
7/28/2011	4:00:00	20.25
7/28/2011	4:10:00	20.17
7/28/2011	4:20:00	20.10
7/28/2011	4:30:00	20.05
7/28/2011	4:40:00	19.99
7/28/2011	4:50:00	19.93
7/28/2011	5:00:00	19.88
7/28/2011	5:10:00	19.82
7/28/2011	5:20:00	19.77
7/28/2011	5:30:00	19.73
7/28/2011	5:40:00	19.67
7/28/2011	5:50:00	19.62
7/28/2011	6:00:00	19.56
7/28/2011	6:10:00	19.51
7/28/2011	6:20:00	19.48
7/28/2011	6:30:00	19.44
7/28/2011	6:40:00	19.40
7/28/2011	6:50:00	19.37

Date	Time	Temp °C
7/28/2011	7:00:00	19.34
7/28/2011	7:10:00	19.31
7/28/2011	7:20:00	19.28
7/28/2011	7:30:00	19.25
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7/28/2011	7:50:00	19.25
7/28/2011	8:00:00	19.25
7/28/2011	8:10:00	19.27
7/28/2011	8:20:00	19.30
7/28/2011	8:30:00	19.33
7/28/2011	8:40:00	19.39
7/28/2011	8:50:00	19.47
7/28/2011	9:00:00	19.55
7/28/2011	9:10:00	19.67
7/28/2011	9:20:00	19.75
7/28/2011	9:30:00	19.79
7/28/2011	9:40:00	19.83
7/28/2011	9:50:00	19.92
7/28/2011	10:00:00	20.02
7/28/2011	10:10:00	20.19
7/28/2011	10:20:00	20.34
7/28/2011	10:30:00	20.44
7/28/2011	10:40:00	20.54
7/28/2011	10:50:00	20.61
7/28/2011	11:00:00	20.62
7/28/2011	11:10:00	20.66
7/28/2011	11:20:00	20.76
7/28/2011	11:30:00	20.86
7/28/2011	11:40:00	21.00
7/28/2011	11:50:00	21.17
7/28/2011	12:00:00	21.46
7/28/2011	12:10:00	21.62
7/28/2011	12:20:00	21.89
7/28/2011	12:30:00	22.19
7/28/2011	12:40:00	22.48
7/28/2011	12:50:00	22.78
7/28/2011	13:00:00	22.91
7/28/2011	13:10:00	22.99
7/28/2011	13:20:00	22.88
7/28/2011	13:30:00	21.58
7/28/2011	13:40:00	19.94
7/28/2011	13:50:00	19.62
7/28/2011	14:00:00	19.33
7/28/2011	14:10:00	19.24
7/28/2011	14:20:00	19.18
7/28/2011	14:30:00	19.12
7/28/2011	14:40:00	19.18
7/28/2011	14:50:00	19.24
7/28/2011	15:00:00	19.31
7/28/2011	15:10:00	19.46

Date	Time	Temp °C
7/28/2011	15:20:00	19.56
7/28/2011	15:30:00	19.90
7/28/2011	15:40:00	20.15
7/28/2011	15:50:00	20.42
7/28/2011	16:00:00	20.67
7/28/2011	16:10:00	20.80
7/28/2011	16:20:00	20.96
7/28/2011	16:30:00	21.27
7/28/2011	16:40:00	21.50
7/28/2011	16:50:00	21.78
7/28/2011	17:00:00	21.96
7/28/2011	17:10:00	22.17
7/28/2011	17:20:00	22.37
7/28/2011	17:30:00	22.49
7/28/2011	17:40:00	22.65
7/28/2011	17:50:00	22.87
7/28/2011	18:00:00	22.93
7/28/2011	18:10:00	23.01
7/28/2011	18:20:00	23.07
7/28/2011	18:30:00	23.07
7/28/2011	18:40:00	23.05
7/28/2011	18:50:00	23.07
7/28/2011	19:00:00	23.08
7/28/2011	19:10:00	23.09
7/28/2011	19:20:00	23.11
7/28/2011	19:30:00	23.11
7/28/2011	19:40:00	23.10
7/28/2011	19:50:00	23.07
7/28/2011	20:00:00	23.03
7/28/2011	20:10:00	22.99
7/28/2011	20:20:00	22.94
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7/28/2011	21:00:00	22.78
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7/28/2011	21:50:00	22.69
7/28/2011	22:00:00	22.68
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7/28/2011	22:20:00	22.66
7/28/2011	22:30:00	22.66
7/28/2011	22:40:00	22.65
7/28/2011	22:50:00	22.65
7/28/2011	23:00:00	22.64
7/28/2011	23:10:00	22.63
7/28/2011	23:20:00	22.61
7/28/2011	23:30:00	22.63

Date	Time	Temp °C
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7/29/2011	1:00:00	22.39
7/29/2011	1:10:00	22.36
7/29/2011	1:20:00	22.33
7/29/2011	1:30:00	22.28
7/29/2011	1:40:00	22.24
7/29/2011	1:50:00	22.19
7/29/2011	2:00:00	22.15
7/29/2011	2:10:00	22.10
7/29/2011	2:20:00	22.05
7/29/2011	2:30:00	22.00
7/29/2011	2:40:00	21.95
7/29/2011	2:50:00	21.90
7/29/2011	3:00:00	21.84
7/29/2011	3:10:00	21.79
7/29/2011	3:20:00	21.73
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7/29/2011	3:40:00	21.64
7/29/2011	3:50:00	21.59
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7/29/2011	7:10:00	20.70
7/29/2011	7:20:00	20.68
7/29/2011	7:30:00	20.66
7/29/2011	7:40:00	20.65
7/29/2011	7:50:00	20.66

Date	Time	Temp °C
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7/29/2011	8:20:00	20.71
7/29/2011	8:30:00	20.75
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7/29/2011	8:50:00	20.87
7/29/2011	9:00:00	20.96
7/29/2011	9:10:00	21.08
7/29/2011	9:20:00	21.21
7/29/2011	9:30:00	21.34
7/29/2011	9:40:00	21.47
7/29/2011	9:50:00	21.59
7/29/2011	10:00:00	21.75
7/29/2011	10:10:00	21.92
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7/29/2011	11:20:00	23.17
7/29/2011	11:30:00	23.31
7/29/2011	11:40:00	23.55
7/29/2011	11:50:00	23.74
7/29/2011	12:00:00	23.90
7/29/2011	12:10:00	24.12
7/29/2011	12:20:00	24.31
7/29/2011	12:30:00	24.44
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7/29/2011	12:50:00	24.80
7/29/2011	13:00:00	24.47
7/29/2011	13:10:00	24.54
7/29/2011	13:20:00	24.18
7/29/2011	13:30:00	22.43
7/29/2011	13:40:00	20.87
7/29/2011	13:50:00	20.35
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7/29/2011	14:50:00	19.60
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7/29/2011	15:10:00	19.54
7/29/2011	15:20:00	19.55
7/29/2011	15:30:00	19.60
7/29/2011	15:40:00	19.71
7/29/2011	15:50:00	19.82
7/29/2011	16:00:00	19.95
7/29/2011	16:10:00	20.10

Date	Time	Temp °C
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7/29/2011	16:30:00	20.38
7/29/2011	16:40:00	20.63
7/29/2011	16:50:00	20.75
7/29/2011	17:00:00	20.95
7/29/2011	17:10:00	21.14
7/29/2011	17:20:00	21.31
7/29/2011	17:30:00	21.49
7/29/2011	17:40:00	21.62
7/29/2011	17:50:00	21.75
7/29/2011	18:00:00	21.90
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7/29/2011	18:20:00	21.95
7/29/2011	18:30:00	22.01
7/29/2011	18:40:00	22.00
7/29/2011	18:50:00	21.97
7/29/2011	19:00:00	21.98
7/29/2011	19:10:00	21.99
7/29/2011	19:20:00	21.97
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7/29/2011	19:50:00	21.99
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7/29/2011	20:20:00	21.91
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7/29/2011	21:50:00	21.37
7/29/2011	22:00:00	21.33
7/29/2011	22:10:00	21.29
7/29/2011	22:20:00	21.26
7/29/2011	22:30:00	21.24
7/29/2011	22:40:00	21.23
7/29/2011	22:50:00	21.22
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7/29/2011	23:10:00	21.19
7/29/2011	23:20:00	21.19
7/29/2011	23:30:00	21.20
7/29/2011	23:40:00	21.20
7/29/2011	23:50:00	21.20
7/30/2011	0:00:00	21.22
7/30/2011	0:10:00	21.24
7/30/2011	0:20:00	21.25
7/30/2011	0:30:00	21.27

Date	Time	Temp °C
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7/30/2011	1:10:00	21.32
7/30/2011	1:20:00	21.33
7/30/2011	1:30:00	21.35
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7/30/2011	3:50:00	21.31
7/30/2011	4:00:00	21.31
7/30/2011	4:10:00	21.30
7/30/2011	4:20:00	21.29
7/30/2011	4:30:00	21.28
7/30/2011	4:40:00	21.27
7/30/2011	4:50:00	21.26
7/30/2011	5:00:00	21.25
7/30/2011	5:10:00	21.24
7/30/2011	5:20:00	21.22
7/30/2011	5:30:00	21.20
7/30/2011	5:40:00	21.17
7/30/2011	5:50:00	21.14
7/30/2011	6:00:00	21.12
7/30/2011	6:10:00	21.09
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7/30/2011	6:50:00	21.01
7/30/2011	7:00:00	21.00
7/30/2011	7:10:00	21.00
7/30/2011	7:20:00	20.98
7/30/2011	7:30:00	20.99
7/30/2011	7:40:00	21.00
7/30/2011	7:50:00	21.00
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7/30/2011	8:30:00	21.04
7/30/2011	8:40:00	21.05
7/30/2011	8:50:00	21.11

Date	Time	Temp °C
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7/30/2011	9:20:00	21.49
7/30/2011	9:30:00	21.56
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7/30/2011	10:10:00	22.02
7/30/2011	10:20:00	22.14
7/30/2011	10:30:00	22.30
7/30/2011	10:40:00	22.51
7/30/2011	10:50:00	22.72
7/30/2011	11:00:00	22.90
7/30/2011	11:10:00	23.12
7/30/2011	11:20:00	23.25
7/30/2011	11:30:00	23.45
7/30/2011	11:40:00	23.64
7/30/2011	11:50:00	23.84
7/30/2011	12:00:00	24.02
7/30/2011	12:10:00	24.17
7/30/2011	12:20:00	24.40
7/30/2011	12:30:00	24.63
7/30/2011	12:40:00	24.87
7/30/2011	12:50:00	24.98
7/30/2011	13:00:00	24.67
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7/30/2011	13:30:00	21.48
7/30/2011	13:40:00	20.47
7/30/2011	13:50:00	20.23
7/30/2011	14:00:00	20.04
7/30/2011	14:10:00	19.93
7/30/2011	14:20:00	19.91
7/30/2011	14:30:00	19.82
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7/30/2011	15:00:00	19.64
7/30/2011	15:10:00	19.68
7/30/2011	15:20:00	19.75
7/30/2011	15:30:00	19.85
7/30/2011	15:40:00	19.96
7/30/2011	15:50:00	20.05
7/30/2011	16:00:00	20.13
7/30/2011	16:10:00	20.29
7/30/2011	16:20:00	20.47
7/30/2011	16:30:00	20.67
7/30/2011	16:40:00	20.83
7/30/2011	16:50:00	21.02
7/30/2011	17:00:00	21.17
7/30/2011	17:10:00	21.24

Date	Time	Temp °C
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7/30/2011	17:40:00	21.78
7/30/2011	17:50:00	21.88
7/30/2011	18:00:00	22.03
7/30/2011	18:10:00	22.10
7/30/2011	18:20:00	22.18
7/30/2011	18:30:00	22.27
7/30/2011	18:40:00	22.32
7/30/2011	18:50:00	22.35
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7/30/2011	20:30:00	21.91
7/30/2011	20:40:00	21.83
7/30/2011	20:50:00	21.75
7/30/2011	21:00:00	21.64
7/30/2011	21:10:00	21.54
7/30/2011	21:20:00	21.45
7/30/2011	21:30:00	21.35
7/30/2011	21:40:00	21.29
7/30/2011	21:50:00	21.21
7/30/2011	22:00:00	21.14
7/30/2011	22:10:00	21.10
7/30/2011	22:20:00	21.06
7/30/2011	22:30:00	21.03
7/30/2011	22:40:00	21.01
7/30/2011	22:50:00	20.99
7/30/2011	23:00:00	20.98
7/30/2011	23:10:00	20.96
7/30/2011	23:20:00	20.97
7/30/2011	23:30:00	20.95
7/30/2011	23:40:00	20.96
7/30/2011	23:50:00	20.95
7/31/2011	0:00:00	20.96
7/31/2011	0:10:00	20.93
7/31/2011	0:20:00	20.93
7/31/2011	0:30:00	20.93
7/31/2011	0:40:00	20.92
7/31/2011	0:50:00	20.90
7/31/2011	1:00:00	20.90
7/31/2011	1:10:00	20.87
7/31/2011	1:20:00	20.87
7/31/2011	1:30:00	20.85

Date	Time	Temp °C
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7/31/2011	1:50:00	20.83
7/31/2011	2:00:00	20.82
7/31/2011	2:10:00	20.80
7/31/2011	2:20:00	20.77
7/31/2011	2:30:00	20.73
7/31/2011	2:40:00	20.71
7/31/2011	2:50:00	20.69
7/31/2011	3:00:00	20.65
7/31/2011	3:10:00	20.60
7/31/2011	3:20:00	20.57
7/31/2011	3:30:00	20.53
7/31/2011	3:40:00	20.50
7/31/2011	3:50:00	20.45
7/31/2011	4:00:00	20.41
7/31/2011	4:10:00	20.36
7/31/2011	4:20:00	20.31
7/31/2011	4:30:00	20.26
7/31/2011	4:40:00	20.22
7/31/2011	4:50:00	20.17
7/31/2011	5:00:00	20.10
7/31/2011	5:10:00	20.07
7/31/2011	5:20:00	20.01
7/31/2011	5:30:00	19.97
7/31/2011	5:40:00	19.92
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7/31/2011	6:10:00	19.77
7/31/2011	6:20:00	19.72
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7/31/2011	6:50:00	19.60
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7/31/2011	7:30:00	19.49
7/31/2011	7:40:00	19.46
7/31/2011	7:50:00	19.43
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7/31/2011	8:10:00	19.38
7/31/2011	8:20:00	19.36
7/31/2011	8:30:00	19.38
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7/31/2011	8:50:00	19.51
7/31/2011	9:00:00	19.60
7/31/2011	9:10:00	19.73
7/31/2011	9:20:00	19.88
7/31/2011	9:30:00	20.04
7/31/2011	9:40:00	20.18
7/31/2011	9:50:00	20.33

Date	Time	Temp °C
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7/31/2011	10:10:00	20.64
7/31/2011	10:20:00	20.80
7/31/2011	10:30:00	20.97
7/31/2011	10:40:00	21.14
7/31/2011	10:50:00	21.30
7/31/2011	11:00:00	21.47
7/31/2011	11:10:00	21.62
7/31/2011	11:20:00	21.80
7/31/2011	11:30:00	21.98
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7/31/2011	12:10:00	22.73
7/31/2011	12:20:00	22.95
7/31/2011	12:30:00	23.21
7/31/2011	12:40:00	23.44
7/31/2011	12:50:00	23.11
7/31/2011	13:00:00	23.22
7/31/2011	13:10:00	23.13
7/31/2011	13:20:00	21.62
7/31/2011	13:30:00	19.96
7/31/2011	13:40:00	19.62
7/31/2011	13:50:00	19.53
7/31/2011	14:00:00	19.51
7/31/2011	14:10:00	19.53
7/31/2011	14:20:00	19.58
7/31/2011	14:30:00	19.68
7/31/2011	14:40:00	19.82
7/31/2011	14:50:00	20.04
7/31/2011	15:00:00	20.23
7/31/2011	15:10:00	20.55
7/31/2011	15:20:00	20.77
7/31/2011	15:30:00	20.97
7/31/2011	15:40:00	21.20
7/31/2011	15:50:00	21.50
7/31/2011	16:00:00	21.73
7/31/2011	16:10:00	21.97
7/31/2011	16:20:00	22.15
7/31/2011	16:30:00	22.40
7/31/2011	16:40:00	22.62
7/31/2011	16:50:00	22.82
7/31/2011	17:00:00	23.03
7/31/2011	17:10:00	23.23
7/31/2011	17:20:00	23.37
7/31/2011	17:30:00	23.51
7/31/2011	17:40:00	23.63
7/31/2011	17:50:00	23.75
7/31/2011	18:00:00	23.83
7/31/2011	18:10:00	23.89

Date	Time	Temp °C
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7/31/2011	18:30:00	24.00
7/31/2011	18:40:00	24.03
7/31/2011	18:50:00	24.04
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7/31/2011	19:10:00	23.99
7/31/2011	19:20:00	23.91
7/31/2011	19:30:00	23.85
7/31/2011	19:40:00	23.77
7/31/2011	19:50:00	23.70
7/31/2011	20:00:00	23.62
7/31/2011	20:10:00	23.52
7/31/2011	20:20:00	23.44
7/31/2011	20:30:00	23.37
7/31/2011	20:40:00	23.29
7/31/2011	20:50:00	23.21
7/31/2011	21:00:00	23.12
7/31/2011	21:10:00	23.05
7/31/2011	21:20:00	22.98
7/31/2011	21:30:00	22.92
7/31/2011	21:40:00	22.85
7/31/2011	21:50:00	22.82
7/31/2011	22:00:00	22.75
7/31/2011	22:10:00	22.69
7/31/2011	22:20:00	22.66
7/31/2011	22:30:00	22.61
7/31/2011	22:40:00	22.55
7/31/2011	22:50:00	22.52
7/31/2011	23:00:00	22.46
7/31/2011	23:10:00	22.43
7/31/2011	23:20:00	22.40
7/31/2011	23:30:00	22.34
7/31/2011	23:40:00	22.29
7/31/2011	23:50:00	22.23
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8/1/2011	0:20:00	22.07
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8/1/2011	0:40:00	21.95
8/1/2011	0:50:00	21.88
8/1/2011	1:00:00	21.82
8/1/2011	1:10:00	21.76
8/1/2011	1:20:00	21.69
8/1/2011	1:30:00	21.62
8/1/2011	1:40:00	21.56
8/1/2011	1:50:00	21.49
8/1/2011	2:00:00	21.44
8/1/2011	2:10:00	21.36
8/1/2011	2:20:00	21.28
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Date	Time	Temp °C
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8/1/2011	3:30:00	20.82
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8/1/2011	4:00:00	20.62
8/1/2011	4:10:00	20.55
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8/1/2011	5:00:00	20.24
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8/1/2011	5:40:00	20.02
8/1/2011	5:50:00	19.96
8/1/2011	6:00:00	19.89
8/1/2011	6:10:00	19.84
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8/1/2011	7:20:00	19.51
8/1/2011	7:30:00	19.48
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8/1/2011	7:50:00	19.44
8/1/2011	8:00:00	19.43
8/1/2011	8:10:00	19.42
8/1/2011	8:20:00	19.43
8/1/2011	8:30:00	19.44
8/1/2011	8:40:00	19.47
8/1/2011	8:50:00	19.52
8/1/2011	9:00:00	19.61
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8/1/2011	9:20:00	19.90
8/1/2011	9:30:00	20.06
8/1/2011	9:40:00	20.22
8/1/2011	9:50:00	20.33
8/1/2011	10:00:00	20.45
8/1/2011	10:10:00	20.62
8/1/2011	10:20:00	20.78
8/1/2011	10:30:00	20.97
8/1/2011	10:40:00	21.16
8/1/2011	10:50:00	21.35

Date	Time	Temp °C
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8/1/2011	11:30:00	21.90
8/1/2011	11:40:00	22.08
8/1/2011	11:50:00	22.29
8/1/2011	12:00:00	22.48
8/1/2011	12:10:00	22.72
8/1/2011	12:20:00	22.89
8/1/2011	12:30:00	23.13
8/1/2011	12:40:00	23.34
8/1/2011	12:50:00	23.24
8/1/2011	13:00:00	23.10
8/1/2011	13:10:00	22.95
8/1/2011	13:20:00	21.88
8/1/2011	13:30:00	20.01
8/1/2011	13:40:00	19.37
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8/1/2011	14:00:00	19.05
8/1/2011	14:10:00	18.96
8/1/2011	14:20:00	18.90
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8/1/2011	16:40:00	19.89
8/1/2011	16:50:00	20.08
8/1/2011	17:00:00	20.18
8/1/2011	17:10:00	20.35
8/1/2011	17:20:00	20.61
8/1/2011	17:30:00	20.78
8/1/2011	17:40:00	20.93
8/1/2011	17:50:00	21.05
8/1/2011	18:00:00	21.15
8/1/2011	18:10:00	21.23
8/1/2011	18:20:00	21.26
8/1/2011	18:30:00	21.21
8/1/2011	18:40:00	21.19
8/1/2011	18:50:00	21.20
8/1/2011	19:00:00	21.18
8/1/2011	19:10:00	21.17

Date	Time	Temp °C
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8/1/2011	19:30:00	21.15
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8/1/2011	19:50:00	21.13
8/1/2011	20:00:00	21.09
8/1/2011	20:10:00	21.06
8/1/2011	20:20:00	21.03
8/1/2011	20:30:00	20.99
8/1/2011	20:40:00	20.92
8/1/2011	20:50:00	20.86
8/1/2011	21:00:00	20.80
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8/1/2011	22:20:00	20.36
8/1/2011	22:30:00	20.33
8/1/2011	22:40:00	20.29
8/1/2011	22:50:00	20.26
8/1/2011	23:00:00	20.23
8/1/2011	23:10:00	20.21
8/1/2011	23:20:00	20.19
8/1/2011	23:30:00	20.18
8/1/2011	23:40:00	20.15
8/1/2011	23:50:00	20.15
8/2/2011	0:00:00	20.13
8/2/2011	0:10:00	20.13
8/2/2011	0:20:00	20.12
8/2/2011	0:30:00	20.12
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8/2/2011	1:00:00	20.09
8/2/2011	1:10:00	20.08
8/2/2011	1:20:00	20.07
8/2/2011	1:30:00	20.05
8/2/2011	1:40:00	20.04
8/2/2011	1:50:00	20.02
8/2/2011	2:00:00	20.01
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8/2/2011	3:00:00	19.88
8/2/2011	3:10:00	19.85
8/2/2011	3:20:00	19.82
8/2/2011	3:30:00	19.80

Date	Time	Temp °C
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8/2/2011	3:50:00	19.74
8/2/2011	4:00:00	19.71
8/2/2011	4:10:00	19.67
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8/2/2011	4:30:00	19.61
8/2/2011	4:40:00	19.57
8/2/2011	4:50:00	19.53
8/2/2011	5:00:00	19.49
8/2/2011	5:10:00	19.46
8/2/2011	5:20:00	19.41
8/2/2011	5:30:00	19.36
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8/2/2011	6:20:00	19.21
8/2/2011	6:30:00	19.17
8/2/2011	6:40:00	19.15
8/2/2011	6:50:00	19.11
8/2/2011	7:00:00	19.10
8/2/2011	7:10:00	19.09
8/2/2011	7:20:00	19.07
8/2/2011	7:30:00	19.08
8/2/2011	7:40:00	19.08
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8/2/2011	9:30:00	19.89
8/2/2011	9:40:00	20.06
8/2/2011	9:50:00	20.21
8/2/2011	10:00:00	20.39
8/2/2011	10:10:00	20.56
8/2/2011	10:20:00	20.76
8/2/2011	10:30:00	20.96
8/2/2011	10:40:00	21.15
8/2/2011	10:50:00	21.31
8/2/2011	11:00:00	21.46
8/2/2011	11:10:00	21.64
8/2/2011	11:20:00	21.75
8/2/2011	11:30:00	21.88
8/2/2011	11:40:00	22.06
8/2/2011	11:50:00	22.18

Date	Time	Temp °C
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8/2/2011	12:20:00	22.58
8/2/2011	12:30:00	22.68
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8/2/2011	13:40:00	24.13
8/2/2011	13:50:00	24.28
8/2/2011	14:00:00	24.23
8/2/2011	14:10:00	24.47
8/2/2011	14:20:00	24.12
8/2/2011	14:30:00	22.65
8/2/2011	14:40:00	21.64
8/2/2011	14:50:00	21.22
8/2/2011	15:00:00	21.12
8/2/2011	15:10:00	21.10
8/2/2011	15:20:00	21.10
8/2/2011	15:30:00	21.17
8/2/2011	15:40:00	21.45
8/2/2011	15:50:00	21.61
8/2/2011	16:00:00	21.67
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8/2/2011	16:20:00	21.87
8/2/2011	16:30:00	22.03
8/2/2011	16:40:00	22.15
8/2/2011	16:50:00	22.31
8/2/2011	17:00:00	22.55
8/2/2011	17:10:00	22.56
8/2/2011	17:20:00	22.59
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8/2/2011	18:30:00	22.95
8/2/2011	18:40:00	22.98
8/2/2011	18:50:00	23.00
8/2/2011	19:00:00	23.01
8/2/2011	19:10:00	23.01
8/2/2011	19:20:00	23.01
8/2/2011	19:30:00	23.01
8/2/2011	19:40:00	23.00
8/2/2011	19:50:00	22.99
8/2/2011	20:00:00	22.98
8/2/2011	20:10:00	22.96

Date	Time	Temp °C
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8/2/2011	20:30:00	22.91
8/2/2011	20:40:00	22.87
8/2/2011	20:50:00	22.83
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8/2/2011	21:10:00	22.75
8/2/2011	21:20:00	22.72
8/2/2011	21:30:00	22.69
8/2/2011	21:40:00	22.65
8/2/2011	21:50:00	22.61
8/2/2011	22:00:00	22.58
8/2/2011	22:10:00	22.53
8/2/2011	22:20:00	22.49
8/2/2011	22:30:00	22.46
8/2/2011	22:40:00	22.43
8/2/2011	22:50:00	22.40
8/2/2011	23:00:00	22.37
8/2/2011	23:10:00	22.35
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8/2/2011	23:30:00	22.31
8/2/2011	23:40:00	22.29
8/2/2011	23:50:00	22.27
8/3/2011	0:00:00	22.25
8/3/2011	0:10:00	22.23
8/3/2011	0:20:00	22.21
8/3/2011	0:30:00	22.20
8/3/2011	0:40:00	22.18
8/3/2011	0:50:00	22.16
8/3/2011	1:00:00	22.15
8/3/2011	1:10:00	22.12
8/3/2011	1:20:00	22.10
8/3/2011	1:30:00	22.07
8/3/2011	1:40:00	22.05
8/3/2011	1:50:00	22.03
8/3/2011	2:00:00	22.00
8/3/2011	2:10:00	21.98
8/3/2011	2:20:00	21.95
8/3/2011	2:30:00	21.92
8/3/2011	2:40:00	21.90
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8/3/2011	3:10:00	21.82
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8/3/2011	3:30:00	21.76
8/3/2011	3:40:00	21.73
8/3/2011	3:50:00	21.71
8/3/2011	4:00:00	21.68
8/3/2011	4:10:00	21.64
8/3/2011	4:20:00	21.61
8/3/2011	4:30:00	21.58

Date	Time	Temp °C
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8/3/2011	4:50:00	21.52
8/3/2011	5:00:00	21.48
8/3/2011	5:10:00	21.45
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8/3/2011	6:20:00	21.22
8/3/2011	6:30:00	21.18
8/3/2011	6:40:00	21.15
8/3/2011	6:50:00	21.12
8/3/2011	7:00:00	21.09
8/3/2011	7:10:00	21.05
8/3/2011	7:20:00	21.03
8/3/2011	7:30:00	21.00
8/3/2011	7:40:00	20.98
8/3/2011	7:50:00	20.97
8/3/2011	8:00:00	20.98
8/3/2011	8:10:00	20.97
8/3/2011	8:20:00	20.98
8/3/2011	8:30:00	21.00
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8/3/2011	8:50:00	21.02
8/3/2011	9:00:00	21.04
8/3/2011	9:10:00	21.06
8/3/2011	9:20:00	21.09
8/3/2011	9:30:00	21.13
8/3/2011	9:40:00	21.17
8/3/2011	9:50:00	21.24
8/3/2011	10:00:00	21.30
8/3/2011	10:10:00	21.37
8/3/2011	10:20:00	21.43
8/3/2011	10:30:00	21.43
8/3/2011	10:40:00	21.44
8/3/2011	10:50:00	21.44
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8/3/2011	11:10:00	21.48
8/3/2011	11:20:00	21.47
8/3/2011	11:30:00	21.51
8/3/2011	11:40:00	21.54
8/3/2011	11:50:00	21.60
8/3/2011	12:00:00	21.71
8/3/2011	12:10:00	21.72
8/3/2011	12:20:00	21.73
8/3/2011	12:30:00	21.75
8/3/2011	12:40:00	21.76
8/3/2011	12:50:00	21.75

Date	Time	Temp °C
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8/3/2011	13:20:00	21.19
8/3/2011	13:30:00	19.52
8/3/2011	13:40:00	18.40
8/3/2011	13:50:00	18.10
8/3/2011	14:00:00	17.94
8/3/2011	14:10:00	17.87
8/3/2011	14:20:00	17.81
8/3/2011	14:30:00	17.80
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8/3/2011	15:20:00	17.86
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8/3/2011	15:40:00	17.93
8/3/2011	15:50:00	17.96
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8/3/2011	16:20:00	18.10
8/3/2011	16:30:00	18.15
8/3/2011	16:40:00	18.20
8/3/2011	16:50:00	18.27
8/3/2011	17:00:00	18.31
8/3/2011	17:10:00	18.37
8/3/2011	17:20:00	18.41
8/3/2011	17:30:00	18.47
8/3/2011	17:40:00	18.52
8/3/2011	17:50:00	18.55
8/3/2011	18:00:00	18.61
8/3/2011	18:10:00	18.66
8/3/2011	18:20:00	18.72
8/3/2011	18:30:00	18.76
8/3/2011	18:40:00	18.80
8/3/2011	18:50:00	18.84
8/3/2011	19:00:00	18.86
8/3/2011	19:10:00	18.90
8/3/2011	19:20:00	18.93
8/3/2011	19:30:00	18.95
8/3/2011	19:40:00	18.99
8/3/2011	19:50:00	19.01
8/3/2011	20:00:00	19.03
8/3/2011	20:10:00	19.05
8/3/2011	20:20:00	19.07
8/3/2011	20:30:00	19.08
8/3/2011	20:40:00	19.10
8/3/2011	20:50:00	19.11
8/3/2011	21:00:00	19.12
8/3/2011	21:10:00	19.12

Date	Time	Temp °C
8/3/2011	21:20:00	19.13
8/3/2011	21:30:00	19.15
8/3/2011	21:40:00	19.17
8/3/2011	21:50:00	19.20
8/3/2011	22:00:00	19.20
8/3/2011	22:10:00	19.22
8/3/2011	22:20:00	19.26
8/3/2011	22:30:00	19.28
8/3/2011	22:40:00	19.30
8/3/2011	22:50:00	19.33
8/3/2011	23:00:00	19.36
8/3/2011	23:10:00	19.39
8/3/2011	23:20:00	19.42
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8/3/2011	23:40:00	19.49
8/3/2011	23:50:00	19.52
8/4/2011	0:00:00	19.56
8/4/2011	0:10:00	19.60
8/4/2011	0:20:00	19.63
8/4/2011	0:30:00	19.67
8/4/2011	0:40:00	19.70
8/4/2011	0:50:00	19.73
8/4/2011	1:00:00	19.76
8/4/2011	1:10:00	19.79
8/4/2011	1:20:00	19.82
8/4/2011	1:30:00	19.84
8/4/2011	1:40:00	19.87
8/4/2011	1:50:00	19.90
8/4/2011	2:00:00	19.93
8/4/2011	2:10:00	19.95
8/4/2011	2:20:00	19.98
8/4/2011	2:30:00	20.00
8/4/2011	2:40:00	20.03
8/4/2011	2:50:00	20.05
8/4/2011	3:00:00	20.07
8/4/2011	3:10:00	20.08
8/4/2011	3:20:00	20.10
8/4/2011	3:30:00	20.12
8/4/2011	3:40:00	20.13
8/4/2011	3:50:00	20.15
8/4/2011	4:00:00	20.16
8/4/2011	4:10:00	20.18
8/4/2011	4:20:00	20.19
8/4/2011	4:30:00	20.20
8/4/2011	4:40:00	20.21
8/4/2011	4:50:00	20.22
8/4/2011	5:00:00	20.23
8/4/2011	5:10:00	20.24
8/4/2011	5:20:00	20.25
8/4/2011	5:30:00	20.25

Date	Time	Temp °C
8/4/2011	5:40:00	20.26
8/4/2011	5:50:00	20.27
8/4/2011	6:00:00	20.26
8/4/2011	6:10:00	20.26
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8/4/2011	6:30:00	20.27
8/4/2011	6:40:00	20.27
8/4/2011	6:50:00	20.28
8/4/2011	7:00:00	20.28
8/4/2011	7:10:00	20.29
8/4/2011	7:20:00	20.30
8/4/2011	7:30:00	20.31
8/4/2011	7:40:00	20.33
8/4/2011	7:50:00	20.36
8/4/2011	8:00:00	20.37
8/4/2011	8:10:00	20.41
8/4/2011	8:20:00	20.45
8/4/2011	8:30:00	20.50
8/4/2011	8:40:00	20.52
8/4/2011	8:50:00	20.53
8/4/2011	9:00:00	20.58
8/4/2011	9:10:00	20.65
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8/4/2011	9:40:00	20.92
8/4/2011	9:50:00	21.12
8/4/2011	10:00:00	21.36
8/4/2011	10:10:00	21.51
8/4/2011	10:20:00	21.70
8/4/2011	10:30:00	21.84
8/4/2011	10:40:00	22.00
8/4/2011	10:50:00	22.26
8/4/2011	11:00:00	22.45
8/4/2011	11:10:00	22.64
8/4/2011	11:20:00	22.87
8/4/2011	11:30:00	23.06
8/4/2011	11:40:00	23.15
8/4/2011	11:50:00	23.30
8/4/2011	12:00:00	23.60
8/4/2011	12:10:00	23.71
8/4/2011	12:20:00	23.79
8/4/2011	12:30:00	23.99
8/4/2011	12:40:00	24.13
8/4/2011	12:50:00	24.34
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8/4/2011	13:10:00	24.33
8/4/2011	13:20:00	24.62
8/4/2011	13:30:00	24.94
8/4/2011	13:40:00	25.22
8/4/2011	13:50:00	25.41

Date	Time	Temp °C
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8/4/2011	14:10:00	25.85
8/4/2011	14:20:00	25.99
8/4/2011	14:30:00	25.88
8/4/2011	14:40:00	25.99
8/4/2011	14:50:00	25.00
8/4/2011	15:00:00	22.44
8/4/2011	15:10:00	21.33
8/4/2011	15:20:00	20.66
8/4/2011	15:30:00	20.21
8/4/2011	15:40:00	19.98
8/4/2011	15:50:00	19.77
8/4/2011	16:00:00	19.67
8/4/2011	16:10:00	19.54
8/4/2011	16:20:00	19.47
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8/4/2011	16:40:00	19.66
8/4/2011	16:50:00	19.78
8/4/2011	17:00:00	19.89
8/4/2011	17:10:00	20.13
8/4/2011	17:20:00	20.35
8/4/2011	17:30:00	20.46
8/4/2011	17:40:00	20.51
8/4/2011	17:50:00	20.69
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8/4/2011	18:20:00	20.96
8/4/2011	18:30:00	20.97
8/4/2011	18:40:00	21.10
8/4/2011	18:50:00	21.18
8/4/2011	19:00:00	21.22
8/4/2011	19:10:00	21.25
8/4/2011	19:20:00	21.25
8/4/2011	19:30:00	21.25
8/4/2011	19:40:00	21.24
8/4/2011	19:50:00	21.22
8/4/2011	20:00:00	21.17
8/4/2011	20:10:00	21.12
8/4/2011	20:20:00	21.07
8/4/2011	20:30:00	21.02
8/4/2011	20:40:00	20.97
8/4/2011	20:50:00	20.91
8/4/2011	21:00:00	20.85
8/4/2011	21:10:00	20.78
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8/4/2011	21:30:00	20.66
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8/4/2011	21:50:00	20.57
8/4/2011	22:00:00	20.54
8/4/2011	22:10:00	20.52

Date	Time	Temp °C
8/4/2011	22:20:00	20.48
8/4/2011	22:30:00	20.46
8/4/2011	22:40:00	20.44
8/4/2011	22:50:00	20.44
8/4/2011	23:00:00	20.44
8/4/2011	23:10:00	20.44
8/4/2011	23:20:00	20.45
8/4/2011	23:30:00	20.46
8/4/2011	23:40:00	20.49
8/4/2011	23:50:00	20.51
8/5/2011	0:00:00	20.52
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8/5/2011	0:20:00	20.59
8/5/2011	0:30:00	20.62
8/5/2011	0:40:00	20.65
8/5/2011	0:50:00	20.68
8/5/2011	1:00:00	20.71
8/5/2011	1:10:00	20.74
8/5/2011	1:20:00	20.76
8/5/2011	1:30:00	20.78
8/5/2011	1:40:00	20.78
8/5/2011	1:50:00	20.80
8/5/2011	2:00:00	20.82
8/5/2011	2:10:00	20.84
8/5/2011	2:20:00	20.86
8/5/2011	2:30:00	20.87
8/5/2011	2:40:00	20.89
8/5/2011	2:50:00	20.89
8/5/2011	3:00:00	20.90
8/5/2011	3:10:00	20.90
8/5/2011	3:20:00	20.89
8/5/2011	3:30:00	20.89
8/5/2011	3:40:00	20.90
8/5/2011	3:50:00	20.89
8/5/2011	4:00:00	20.88
8/5/2011	4:10:00	20.87
8/5/2011	4:20:00	20.87
8/5/2011	4:30:00	20.87
8/5/2011	4:40:00	20.87
8/5/2011	4:50:00	20.87
8/5/2011	5:00:00	20.86
8/5/2011	5:10:00	20.85
8/5/2011	5:20:00	20.84
8/5/2011	5:30:00	20.84
8/5/2011	5:40:00	20.84
8/5/2011	5:50:00	20.83
8/5/2011	6:00:00	20.83
8/5/2011	6:10:00	20.82
8/5/2011	6:20:00	20.81
8/5/2011	6:30:00	20.81

Date	Time	Temp °C
8/5/2011	6:40:00	20.80
8/5/2011	6:50:00	20.80
8/5/2011	7:00:00	20.79
8/5/2011	7:10:00	20.79
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8/5/2011	7:40:00	20.78
8/5/2011	7:50:00	20.79
8/5/2011	8:00:00	20.81
8/5/2011	8:10:00	20.83
8/5/2011	8:20:00	20.88
8/5/2011	8:30:00	20.90
8/5/2011	8:40:00	20.95
8/5/2011	8:50:00	21.03
8/5/2011	9:00:00	21.12
8/5/2011	9:10:00	21.25
8/5/2011	9:20:00	21.40
8/5/2011	9:30:00	21.53
8/5/2011	9:40:00	21.67
8/5/2011	9:50:00	21.82
8/5/2011	10:00:00	21.97
8/5/2011	10:10:00	22.12
8/5/2011	10:20:00	22.28
8/5/2011	10:30:00	22.45
8/5/2011	10:40:00	22.56
8/5/2011	10:50:00	22.60
8/5/2011	11:00:00	22.64
8/5/2011	11:10:00	22.71
8/5/2011	11:20:00	22.74
8/5/2011	11:30:00	22.72
8/5/2011	11:40:00	22.81
8/5/2011	11:50:00	22.94
8/5/2011	12:00:00	22.93
8/5/2011	12:10:00	23.11
8/5/2011	12:20:00	23.33
8/5/2011	12:30:00	23.56
8/5/2011	12:40:00	23.50
8/5/2011	12:50:00	23.63
8/5/2011	13:00:00	23.66
8/5/2011	13:10:00	23.93
8/5/2011	13:20:00	23.38
8/5/2011	13:30:00	21.60
8/5/2011	13:40:00	20.28
8/5/2011	13:50:00	20.08
8/5/2011	14:00:00	19.94
8/5/2011	14:10:00	19.82
8/5/2011	14:20:00	19.79
8/5/2011	14:30:00	19.76
8/5/2011	14:40:00	19.81
8/5/2011	14:50:00	19.67

Date	Time	Temp °C
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8/5/2011	15:10:00	19.76
8/5/2011	15:20:00	19.76
8/5/2011	15:30:00	19.76
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8/5/2011	15:50:00	19.90
8/5/2011	16:00:00	19.98
8/5/2011	16:10:00	20.05
8/5/2011	16:20:00	20.13
8/5/2011	16:30:00	20.19
8/5/2011	16:40:00	20.25
8/5/2011	16:50:00	20.32
8/5/2011	17:00:00	20.41
8/5/2011	17:10:00	20.59
8/5/2011	17:20:00	20.69
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8/5/2011	18:30:00	20.96
8/5/2011	18:40:00	21.03
8/5/2011	18:50:00	21.09
8/5/2011	19:00:00	21.17
8/5/2011	19:10:00	21.20
8/5/2011	19:20:00	21.20
8/5/2011	19:30:00	21.21
8/5/2011	19:40:00	21.21
8/5/2011	19:50:00	21.21
8/5/2011	20:00:00	21.20
8/5/2011	20:10:00	21.19
8/5/2011	20:20:00	21.18
8/5/2011	20:30:00	21.18
8/5/2011	20:40:00	21.18
8/5/2011	20:50:00	21.16
8/5/2011	21:00:00	21.15
8/5/2011	21:10:00	21.14
8/5/2011	21:20:00	21.12
8/5/2011	21:30:00	21.12
8/5/2011	21:40:00	21.11
8/5/2011	21:50:00	21.10
8/5/2011	22:00:00	21.09
8/5/2011	22:10:00	21.08
8/5/2011	22:20:00	21.07
8/5/2011	22:30:00	21.06
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8/5/2011	22:50:00	21.06
8/5/2011	23:00:00	21.06
8/5/2011	23:10:00	21.07

Date	Time	Temp °C
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8/5/2011	23:30:00	21.09
8/5/2011	23:40:00	21.09
8/5/2011	23:50:00	21.10
8/6/2011	0:00:00	21.10
8/6/2011	0:10:00	21.11
8/6/2011	0:20:00	21.14
8/6/2011	0:30:00	21.16
8/6/2011	0:40:00	21.17
8/6/2011	0:50:00	21.20
8/6/2011	1:00:00	21.21
8/6/2011	1:10:00	21.22
8/6/2011	1:20:00	21.23
8/6/2011	1:30:00	21.23
8/6/2011	1:40:00	21.24
8/6/2011	1:50:00	21.24
8/6/2011	2:00:00	21.25
8/6/2011	2:10:00	21.25
8/6/2011	2:20:00	21.27
8/6/2011	2:30:00	21.27
8/6/2011	2:40:00	21.27
8/6/2011	2:50:00	21.26
8/6/2011	3:00:00	21.26
8/6/2011	3:10:00	21.25
8/6/2011	3:20:00	21.24
8/6/2011	3:30:00	21.24
8/6/2011	3:40:00	21.23
8/6/2011	3:50:00	21.22
8/6/2011	4:00:00	21.22
8/6/2011	4:10:00	21.20
8/6/2011	4:20:00	21.20
8/6/2011	4:30:00	21.19
8/6/2011	4:40:00	21.18
8/6/2011	4:50:00	21.17
8/6/2011	5:00:00	21.17
8/6/2011	5:10:00	21.16
8/6/2011	5:20:00	21.16
8/6/2011	5:30:00	21.15
8/6/2011	5:40:00	21.14
8/6/2011	5:50:00	21.13
8/6/2011	6:00:00	21.12
8/6/2011	6:10:00	21.11
8/6/2011	6:20:00	21.10
8/6/2011	6:30:00	21.09
8/6/2011	6:40:00	21.09
8/6/2011	6:50:00	21.08
8/6/2011	7:00:00	21.07
8/6/2011	7:10:00	21.07
8/6/2011	7:20:00	21.07
8/6/2011	7:30:00	21.07

Date	Time	Temp °C
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8/6/2011	7:50:00	21.06
8/6/2011	8:00:00	21.06
8/6/2011	8:10:00	21.07
8/6/2011	8:20:00	21.08
8/6/2011	8:30:00	21.09
8/6/2011	8:40:00	21.10
8/6/2011	8:50:00	21.14
8/6/2011	9:00:00	21.16
8/6/2011	9:10:00	21.19
8/6/2011	9:20:00	21.25
8/6/2011	9:30:00	21.33
8/6/2011	9:40:00	21.39
8/6/2011	9:50:00	21.43
8/6/2011	10:00:00	21.46
8/6/2011	10:10:00	21.46
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8/6/2011	10:30:00	21.48
8/6/2011	10:40:00	21.51
8/6/2011	10:50:00	21.56
8/6/2011	11:00:00	21.61
8/6/2011	11:10:00	21.66
8/6/2011	11:20:00	21.74
8/6/2011	11:30:00	21.84
8/6/2011	11:40:00	21.97
8/6/2011	11:50:00	22.07
8/6/2011	12:00:00	22.01
8/6/2011	12:10:00	21.99
8/6/2011	12:20:00	21.69
8/6/2011	12:30:00	20.01
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8/6/2011	12:50:00	18.96
8/6/2011	13:00:00	18.81
8/6/2011	13:10:00	18.74
8/6/2011	13:20:00	18.67
8/6/2011	13:30:00	18.62
8/6/2011	13:40:00	18.59
8/6/2011	13:50:00	18.56
8/6/2011	14:00:00	18.53
8/6/2011	14:10:00	18.51
8/6/2011	14:20:00	18.50
8/6/2011	14:30:00	18.60
8/6/2011	14:40:00	18.77
8/6/2011	14:50:00	18.87
8/6/2011	15:00:00	18.93
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8/6/2011	15:20:00	19.07
8/6/2011	15:30:00	19.24
8/6/2011	15:40:00	19.38
8/6/2011	15:50:00	19.43

Date	Time	Temp °C
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8/6/2011	16:10:00	19.79
8/6/2011	16:20:00	19.88
8/6/2011	16:30:00	20.00
8/6/2011	16:40:00	20.07
8/6/2011	16:50:00	20.11
8/6/2011	17:00:00	20.16
8/6/2011	17:10:00	20.22
8/6/2011	17:20:00	20.30
8/6/2011	17:30:00	20.41
8/6/2011	17:40:00	20.55
8/6/2011	17:50:00	20.67
8/6/2011	18:00:00	20.88
8/6/2011	18:10:00	21.01
8/6/2011	18:20:00	21.00
8/6/2011	18:30:00	21.09
8/6/2011	18:40:00	21.17
8/6/2011	18:50:00	21.23
8/6/2011	19:00:00	21.28
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8/6/2011	19:20:00	21.31
8/6/2011	19:30:00	21.34
8/6/2011	19:40:00	21.36
8/6/2011	19:50:00	21.39
8/6/2011	20:00:00	21.39
8/6/2011	20:10:00	21.40
8/6/2011	20:20:00	21.42
8/6/2011	20:30:00	21.42
8/6/2011	20:40:00	21.43
8/6/2011	20:50:00	21.41
8/6/2011	21:00:00	21.39
8/6/2011	21:10:00	21.38
8/6/2011	21:20:00	21.37
8/6/2011	21:30:00	21.36
8/6/2011	21:40:00	21.36
8/6/2011	21:50:00	21.36
8/6/2011	22:00:00	21.36
8/6/2011	22:10:00	21.37
8/6/2011	22:20:00	21.38
8/6/2011	22:30:00	21.39
8/6/2011	22:40:00	21.40
8/6/2011	22:50:00	21.41
8/6/2011	23:00:00	21.42
8/6/2011	23:10:00	21.43
8/6/2011	23:20:00	21.45
8/6/2011	23:30:00	21.45
8/6/2011	23:40:00	21.46
8/6/2011	23:50:00	21.48
8/7/2011	0:00:00	21.48
8/7/2011	0:10:00	21.47

Date	Time	Temp °C
8/7/2011	0:20:00	21.48
8/7/2011	0:30:00	21.48
8/7/2011	0:40:00	21.49
8/7/2011	0:50:00	21.49
8/7/2011	1:00:00	21.49
8/7/2011	1:10:00	21.50
8/7/2011	1:20:00	21.50
8/7/2011	1:30:00	21.50
8/7/2011	1:40:00	21.50
8/7/2011	1:50:00	21.50
8/7/2011	2:00:00	21.51
8/7/2011	2:10:00	21.51
8/7/2011	2:20:00	21.52
8/7/2011	2:30:00	21.53
8/7/2011	2:40:00	21.51
8/7/2011	2:50:00	21.49
8/7/2011	3:00:00	21.48
8/7/2011	3:10:00	21.47
8/7/2011	3:20:00	21.45
8/7/2011	3:30:00	21.45
8/7/2011	3:40:00	21.43
8/7/2011	3:50:00	21.42
8/7/2011	4:00:00	21.40
8/7/2011	4:10:00	21.38
8/7/2011	4:20:00	21.36
8/7/2011	4:30:00	21.34
8/7/2011	4:40:00	21.32
8/7/2011	4:50:00	21.31
8/7/2011	5:00:00	21.29
8/7/2011	5:10:00	21.28
8/7/2011	5:20:00	21.27
8/7/2011	5:30:00	21.26
8/7/2011	5:40:00	21.25
8/7/2011	5:50:00	21.23
8/7/2011	6:00:00	21.22
8/7/2011	6:10:00	21.21
8/7/2011	6:20:00	21.20
8/7/2011	6:30:00	21.18
8/7/2011	6:40:00	21.17
8/7/2011	6:50:00	21.16
8/7/2011	7:00:00	21.16
8/7/2011	7:10:00	21.15
8/7/2011	7:20:00	21.14
8/7/2011	7:30:00	21.14
8/7/2011	7:40:00	21.14
8/7/2011	7:50:00	21.13
8/7/2011	8:00:00	21.13
8/7/2011	8:10:00	21.14
8/7/2011	8:20:00	21.14
8/7/2011	8:30:00	21.14

Date	Time	Temp °C
8/7/2011	8:40:00	21.14
8/7/2011	8:50:00	21.14
8/7/2011	9:00:00	21.16
8/7/2011	9:10:00	21.19
8/7/2011	9:20:00	21.27
8/7/2011	9:30:00	21.35
8/7/2011	9:40:00	21.38
8/7/2011	9:50:00	21.48
8/7/2011	10:00:00	21.54
8/7/2011	10:10:00	21.62
8/7/2011	10:20:00	21.70
8/7/2011	10:30:00	21.87
8/7/2011	10:40:00	21.97
8/7/2011	10:50:00	22.05
8/7/2011	11:00:00	22.18
8/7/2011	11:10:00	22.42
8/7/2011	11:20:00	22.48
8/7/2011	11:30:00	22.53
8/7/2011	11:40:00	22.52
8/7/2011	11:50:00	22.53
8/7/2011	12:00:00	22.65
8/7/2011	12:10:00	22.76
8/7/2011	12:20:00	22.86
8/7/2011	12:30:00	22.92
8/7/2011	12:40:00	22.92
8/7/2011	12:50:00	22.93
8/7/2011	13:00:00	22.93
8/7/2011	13:10:00	22.98
8/7/2011	13:20:00	22.99
8/7/2011	13:30:00	23.04
8/7/2011	13:40:00	23.13
8/7/2011	13:50:00	23.15
8/7/2011	14:00:00	23.18
8/7/2011	14:10:00	23.18
8/7/2011	14:20:00	23.16
8/7/2011	14:30:00	23.17
8/7/2011	14:40:00	23.21
8/7/2011	14:50:00	23.29
8/7/2011	15:00:00	23.39
8/7/2011	15:10:00	23.44
8/7/2011	15:20:00	23.45
8/7/2011	15:30:00	23.65
8/7/2011	15:40:00	23.79
8/7/2011	15:50:00	23.93
8/7/2011	16:00:00	24.13
8/7/2011	16:10:00	24.07
8/7/2011	16:20:00	24.04
8/7/2011	16:30:00	24.06
8/7/2011	16:40:00	24.20
8/7/2011	16:50:00	24.22

Date	Time	Temp °C
8/7/2011	17:00:00	24.31
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8/7/2011	17:20:00	24.45
8/7/2011	17:30:00	24.52
8/7/2011	17:40:00	24.56
8/7/2011	17:50:00	24.50
8/7/2011	18:00:00	24.53
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8/7/2011	18:20:00	24.55
8/7/2011	18:30:00	24.60
8/7/2011	18:40:00	24.53
8/7/2011	18:50:00	24.47
8/7/2011	19:00:00	24.35
8/7/2011	19:10:00	24.31
8/7/2011	19:20:00	24.27
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8/7/2011	20:00:00	24.00
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8/7/2011	20:20:00	23.92
8/7/2011	20:30:00	23.89
8/7/2011	20:40:00	23.84
8/7/2011	20:50:00	23.80
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8/7/2011	21:10:00	23.70
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8/7/2011	21:40:00	23.61
8/7/2011	21:50:00	23.59
8/7/2011	22:00:00	23.58
8/7/2011	22:10:00	23.56
8/7/2011	22:20:00	23.54
8/7/2011	22:30:00	23.52
8/7/2011	22:40:00	23.50
8/7/2011	22:50:00	23.47
8/7/2011	23:00:00	23.45
8/7/2011	23:10:00	23.42
8/7/2011	23:20:00	23.39
8/7/2011	23:30:00	23.36
8/7/2011	23:40:00	23.34
8/7/2011	23:50:00	23.30
8/8/2011	0:00:00	23.28
8/8/2011	0:10:00	23.25
8/8/2011	0:20:00	23.21
8/8/2011	0:30:00	23.17
8/8/2011	0:40:00	23.13
8/8/2011	0:50:00	23.09
8/8/2011	1:00:00	23.05
8/8/2011	1:10:00	23.00

Date	Time	Temp °C
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8/8/2011	1:30:00	22.92
8/8/2011	1:40:00	22.88
8/8/2011	1:50:00	22.84
8/8/2011	2:00:00	22.80
8/8/2011	2:10:00	22.75
8/8/2011	2:20:00	22.70
8/8/2011	2:30:00	22.66
8/8/2011	2:40:00	22.62
8/8/2011	2:50:00	22.57
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8/8/2011	3:20:00	22.45
8/8/2011	3:30:00	22.40
8/8/2011	3:40:00	22.35
8/8/2011	3:50:00	22.30
8/8/2011	4:00:00	22.26
8/8/2011	4:10:00	22.22
8/8/2011	4:20:00	22.19
8/8/2011	4:30:00	22.15
8/8/2011	4:40:00	22.12
8/8/2011	4:50:00	22.08
8/8/2011	5:00:00	22.05
8/8/2011	5:10:00	22.02
8/8/2011	5:20:00	21.99
8/8/2011	5:30:00	21.95
8/8/2011	5:40:00	21.92
8/8/2011	5:50:00	21.88
8/8/2011	6:00:00	21.85
8/8/2011	6:10:00	21.81
8/8/2011	6:20:00	21.78
8/8/2011	6:30:00	21.75
8/8/2011	6:40:00	21.72
8/8/2011	6:50:00	21.69
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8/8/2011	7:10:00	21.64
8/8/2011	7:20:00	21.62
8/8/2011	7:30:00	21.59
8/8/2011	7:40:00	21.57
8/8/2011	7:50:00	21.55
8/8/2011	8:00:00	21.54
8/8/2011	8:10:00	21.52
8/8/2011	8:20:00	21.51
8/8/2011	8:30:00	21.51
8/8/2011	8:40:00	21.51
8/8/2011	8:50:00	21.52
8/8/2011	9:00:00	21.51
8/8/2011	9:10:00	21.52
8/8/2011	9:20:00	21.51
8/8/2011	9:30:00	21.52

Date	Time	Temp °C
8/8/2011	9:40:00	21.54
8/8/2011	9:50:00	21.54
8/8/2011	10:00:00	21.55
8/8/2011	10:10:00	21.58
8/8/2011	10:20:00	21.59
8/8/2011	10:30:00	21.59
8/8/2011	10:40:00	21.61
8/8/2011	10:50:00	21.66
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8/8/2011	11:10:00	21.80
8/8/2011	11:20:00	21.87
8/8/2011	11:30:00	21.96
8/8/2011	11:40:00	22.06
8/8/2011	11:50:00	22.10
8/8/2011	12:00:00	22.16
8/8/2011	12:10:00	22.21
8/8/2011	12:20:00	22.31
8/8/2011	12:30:00	22.29
8/8/2011	12:40:00	22.36
8/8/2011	12:50:00	22.33
8/8/2011	13:00:00	21.58
8/8/2011	13:10:00	19.51
8/8/2011	13:20:00	19.31
8/8/2011	13:30:00	19.30
8/8/2011	13:40:00	19.22
8/8/2011	13:50:00	19.20
8/8/2011	14:00:00	19.12
8/8/2011	14:10:00	19.12
8/8/2011	14:20:00	19.06
8/8/2011	14:30:00	18.97
8/8/2011	14:40:00	18.96
8/8/2011	14:50:00	19.07
8/8/2011	15:00:00	19.08
8/8/2011	15:10:00	19.07
8/8/2011	15:20:00	19.09
8/8/2011	15:30:00	19.10
8/8/2011	15:40:00	19.15
8/8/2011	15:50:00	19.30
8/8/2011	16:00:00	19.47
8/8/2011	16:10:00	19.58
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8/8/2011	16:30:00	19.77
8/8/2011	16:40:00	19.95
8/8/2011	16:50:00	20.12
8/8/2011	17:00:00	20.22
8/8/2011	17:10:00	20.28
8/8/2011	17:20:00	20.61
8/8/2011	17:30:00	21.05
8/8/2011	17:40:00	21.54
8/8/2011	17:50:00	21.97

Date	Time	Temp °C
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8/8/2011	18:20:00	22.78
8/8/2011	18:30:00	22.88
8/8/2011	18:40:00	22.95
8/8/2011	18:50:00	23.01
8/8/2011	19:00:00	23.00
8/8/2011	19:10:00	22.99
8/8/2011	19:20:00	22.99
8/8/2011	19:30:00	22.99
8/8/2011	19:40:00	22.96
8/8/2011	19:50:00	22.92
8/8/2011	20:00:00	22.88
8/8/2011	20:10:00	22.84
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8/8/2011	20:50:00	22.58
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8/8/2011	21:10:00	22.44
8/8/2011	21:20:00	22.38
8/8/2011	21:30:00	22.32
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8/8/2011	21:50:00	22.21
8/8/2011	22:00:00	22.16
8/8/2011	22:10:00	22.11
8/8/2011	22:20:00	22.08
8/8/2011	22:30:00	22.04
8/8/2011	22:40:00	22.00
8/8/2011	22:50:00	21.96
8/8/2011	23:00:00	21.94
8/8/2011	23:10:00	21.92
8/8/2011	23:20:00	21.88
8/8/2011	23:30:00	21.85
8/8/2011	23:40:00	21.82
8/8/2011	23:50:00	21.78
8/9/2011	0:00:00	21.76
8/9/2011	0:10:00	21.73
8/9/2011	0:20:00	21.69
8/9/2011	0:30:00	21.67
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8/9/2011	0:50:00	21.60
8/9/2011	1:00:00	21.58
8/9/2011	1:10:00	21.55
8/9/2011	1:20:00	21.53
8/9/2011	1:30:00	21.50
8/9/2011	1:40:00	21.48
8/9/2011	1:50:00	21.47
8/9/2011	2:00:00	21.45
8/9/2011	2:10:00	21.43

Date	Time	Temp °C
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8/9/2011	2:40:00	21.39
8/9/2011	2:50:00	21.38
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8/9/2011	3:10:00	21.37
8/9/2011	3:20:00	21.36
8/9/2011	3:30:00	21.33
8/9/2011	3:40:00	21.32
8/9/2011	3:50:00	21.30
8/9/2011	4:00:00	21.28
8/9/2011	4:10:00	21.27
8/9/2011	4:20:00	21.25
8/9/2011	4:30:00	21.23
8/9/2011	4:40:00	21.22
8/9/2011	4:50:00	21.21
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8/9/2011	5:10:00	21.18
8/9/2011	5:20:00	21.17
8/9/2011	5:30:00	21.15
8/9/2011	5:40:00	21.14
8/9/2011	5:50:00	21.13
8/9/2011	6:00:00	21.12
8/9/2011	6:10:00	21.11
8/9/2011	6:20:00	21.09
8/9/2011	6:30:00	21.08
8/9/2011	6:40:00	21.07
8/9/2011	6:50:00	21.06
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8/9/2011	7:20:00	21.03
8/9/2011	7:30:00	21.02
8/9/2011	7:40:00	21.01
8/9/2011	7:50:00	21.00
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8/9/2011	8:20:00	21.00
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8/9/2011	8:40:00	21.01
8/9/2011	8:50:00	21.04
8/9/2011	9:00:00	21.04
8/9/2011	9:10:00	21.07
8/9/2011	9:20:00	21.10
8/9/2011	9:30:00	21.12
8/9/2011	9:40:00	21.15
8/9/2011	9:50:00	21.19
8/9/2011	10:00:00	21.28
8/9/2011	10:10:00	21.34
8/9/2011	10:20:00	21.37
8/9/2011	10:30:00	21.41

Date	Time	Temp °C
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8/9/2011	10:50:00	21.48
8/9/2011	11:00:00	21.50
8/9/2011	11:10:00	21.53
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8/9/2011	11:50:00	21.96
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8/9/2011	12:40:00	22.18
8/9/2011	12:50:00	22.19
8/9/2011	13:00:00	22.19
8/9/2011	13:10:00	22.16
8/9/2011	13:20:00	22.35
8/9/2011	13:30:00	22.45
8/9/2011	13:40:00	22.58
8/9/2011	13:50:00	22.75
8/9/2011	14:00:00	22.78
8/9/2011	14:10:00	22.90
8/9/2011	14:20:00	23.00
8/9/2011	14:30:00	23.25
8/9/2011	14:40:00	23.35
8/9/2011	14:50:00	23.52
8/9/2011	15:00:00	23.57
8/9/2011	15:10:00	23.75
8/9/2011	15:20:00	23.89
8/9/2011	15:30:00	23.94
8/9/2011	15:40:00	24.07
8/9/2011	15:50:00	24.06
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8/9/2011	16:10:00	24.16
8/9/2011	16:20:00	24.05
8/9/2011	16:30:00	24.11
8/9/2011	16:40:00	24.16
8/9/2011	16:50:00	24.39
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8/9/2011	17:10:00	24.56
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8/9/2011	17:30:00	24.57
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8/9/2011	17:50:00	24.66
8/9/2011	18:00:00	24.63
8/9/2011	18:10:00	24.59
8/9/2011	18:20:00	24.53
8/9/2011	18:30:00	24.46
8/9/2011	18:40:00	24.35
8/9/2011	18:50:00	24.23

Date	Time	Temp °C
8/9/2011	19:00:00	24.11
8/9/2011	19:10:00	23.95
8/9/2011	19:20:00	23.82
8/9/2011	19:30:00	23.66
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8/9/2011	19:50:00	23.32
8/9/2011	20:00:00	23.16
8/9/2011	20:10:00	23.00
8/9/2011	20:20:00	22.85
8/9/2011	20:30:00	22.71
8/9/2011	20:40:00	22.60
8/9/2011	20:50:00	22.49
8/9/2011	21:00:00	22.39
8/9/2011	21:10:00	22.29
8/9/2011	21:20:00	22.19
8/9/2011	21:30:00	22.08
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8/9/2011	21:50:00	21.88
8/9/2011	22:00:00	21.79
8/9/2011	22:10:00	21.71
8/9/2011	22:20:00	21.62
8/9/2011	22:30:00	21.53
8/9/2011	22:40:00	21.45
8/9/2011	22:50:00	21.37
8/9/2011	23:00:00	21.29
8/9/2011	23:10:00	21.21
8/9/2011	23:20:00	21.14
8/9/2011	23:30:00	21.07
8/9/2011	23:40:00	21.00
8/9/2011	23:50:00	20.94
8/10/2011	0:00:00	20.88
8/10/2011	0:10:00	20.82
8/10/2011	0:20:00	20.77
8/10/2011	0:30:00	20.71
8/10/2011	0:40:00	20.66
8/10/2011	0:50:00	20.61
8/10/2011	1:00:00	20.57
8/10/2011	1:10:00	20.52
8/10/2011	1:20:00	20.48
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8/10/2011	1:40:00	20.42
8/10/2011	1:50:00	20.38
8/10/2011	2:00:00	20.35
8/10/2011	2:10:00	20.32
8/10/2011	2:20:00	20.30
8/10/2011	2:30:00	20.17
8/10/2011	2:40:00	20.18
8/10/2011	2:50:00	20.16
8/10/2011	3:00:00	20.13
8/10/2011	3:10:00	20.10

Date	Time	Temp °C
8/10/2011	3:20:00	20.08
8/10/2011	3:30:00	20.04
8/10/2011	3:40:00	20.02
8/10/2011	3:50:00	19.99
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8/10/2011	4:10:00	19.93
8/10/2011	4:20:00	19.90
8/10/2011	4:30:00	19.87
8/10/2011	4:40:00	19.84
8/10/2011	4:50:00	19.82
8/10/2011	5:00:00	19.80
8/10/2011	5:10:00	19.79
8/10/2011	5:20:00	19.78
8/10/2011	5:30:00	19.77
8/10/2011	5:40:00	19.75
8/10/2011	5:50:00	19.73
8/10/2011	6:00:00	19.72
8/10/2011	6:10:00	19.70
8/10/2011	6:20:00	19.69
8/10/2011	6:30:00	19.68
8/10/2011	6:40:00	19.68
8/10/2011	6:50:00	19.68
8/10/2011	7:00:00	19.68
8/10/2011	7:10:00	19.68
8/10/2011	7:20:00	19.68
8/10/2011	7:30:00	19.69
8/10/2011	7:40:00	19.70
8/10/2011	7:50:00	19.72
8/10/2011	8:00:00	19.73
8/10/2011	8:10:00	19.76
8/10/2011	8:20:00	19.79
8/10/2011	8:30:00	19.82
8/10/2011	8:40:00	19.86
8/10/2011	8:50:00	19.90
8/10/2011	9:00:00	19.94
8/10/2011	9:10:00	19.99
8/10/2011	9:20:00	20.02
8/10/2011	9:30:00	20.11
8/10/2011	9:40:00	20.19
8/10/2011	9:50:00	20.26
8/10/2011	10:00:00	20.34
8/10/2011	10:10:00	20.40
8/10/2011	10:20:00	20.44
8/10/2011	10:30:00	20.53
8/10/2011	10:40:00	20.64
8/10/2011	10:50:00	20.76
8/10/2011	11:00:00	20.88
8/10/2011	11:10:00	21.04
8/10/2011	11:20:00	21.14
8/10/2011	11:30:00	21.31

Date	Time	Temp °C
8/10/2011	11:40:00	21.43
8/10/2011	11:50:00	21.46
8/10/2011	12:00:00	21.62
8/10/2011	12:10:00	21.75
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8/10/2011	12:30:00	21.88
8/10/2011	12:40:00	21.99
8/10/2011	12:50:00	22.04
8/10/2011	13:00:00	22.24
8/10/2011	13:10:00	22.43
8/10/2011	13:20:00	22.61
8/10/2011	13:30:00	22.84
8/10/2011	13:40:00	23.03
8/10/2011	13:50:00	23.17
8/10/2011	14:00:00	23.36
8/10/2011	14:10:00	23.40
8/10/2011	14:20:00	23.45
8/10/2011	14:30:00	23.62
8/10/2011	14:40:00	23.79
8/10/2011	14:50:00	23.93
8/10/2011	15:00:00	24.14
8/10/2011	15:10:00	24.32
8/10/2011	15:20:00	24.44
8/10/2011	15:30:00	24.60
8/10/2011	15:40:00	24.70
8/10/2011	15:50:00	24.62
8/10/2011	16:00:00	24.73
8/10/2011	16:10:00	24.83
8/10/2011	16:20:00	24.71
8/10/2011	16:30:00	24.78
8/10/2011	16:40:00	24.97
8/10/2011	16:50:00	24.97
8/10/2011	17:00:00	25.03
8/10/2011	17:10:00	24.97
8/10/2011	17:20:00	24.93
8/10/2011	17:30:00	24.88
8/10/2011	17:40:00	24.91
8/10/2011	17:50:00	24.82
8/10/2011	18:00:00	24.75
8/10/2011	18:10:00	24.68
8/10/2011	18:20:00	24.58
8/10/2011	18:30:00	24.51
8/10/2011	18:40:00	24.41
8/10/2011	18:50:00	24.32
8/10/2011	19:00:00	24.29
8/10/2011	19:10:00	24.17
8/10/2011	19:20:00	24.07
8/10/2011	19:30:00	23.95
8/10/2011	19:40:00	23.83
8/10/2011	19:50:00	23.72

Date	Time	Temp °C
8/10/2011	20:00:00	23.61
8/10/2011	20:10:00	23.49
8/10/2011	20:20:00	23.36
8/10/2011	20:30:00	23.24
8/10/2011	20:40:00	23.11
8/10/2011	20:50:00	22.97
8/10/2011	21:00:00	22.85
8/10/2011	21:10:00	22.74
8/10/2011	21:20:00	22.61
8/10/2011	21:30:00	22.48
8/10/2011	21:40:00	22.36
8/10/2011	21:50:00	22.23
8/10/2011	22:00:00	22.12
8/10/2011	22:10:00	22.00
8/10/2011	22:20:00	21.89
8/10/2011	22:30:00	21.79
8/10/2011	22:40:00	21.69
8/10/2011	22:50:00	21.58
8/10/2011	23:00:00	21.48
8/10/2011	23:10:00	21.37
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8/10/2011	23:40:00	21.09
8/10/2011	23:50:00	21.00
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8/11/2011	1:30:00	20.30
8/11/2011	1:40:00	20.24
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8/11/2011	6:20:00	18.91
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8/11/2011	6:40:00	18.82
8/11/2011	6:50:00	18.78
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8/11/2011	9:50:00	19.26
8/11/2011	10:00:00	19.37
8/11/2011	10:10:00	19.50
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8/11/2011	10:50:00	19.76
8/11/2011	11:00:00	19.86
8/11/2011	11:10:00	19.94
8/11/2011	11:20:00	20.03
8/11/2011	11:30:00	20.18
8/11/2011	11:40:00	20.31
8/11/2011	11:50:00	20.40
8/11/2011	12:00:00	20.50
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8/11/2011	12:20:00	20.66
8/11/2011	12:30:00	20.90

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8/11/2011	14:30:00	22.69
8/11/2011	14:40:00	22.96
8/11/2011	14:50:00	23.09
8/11/2011	15:00:00	23.33
8/11/2011	15:10:00	23.43
8/11/2011	15:20:00	23.51
8/11/2011	15:30:00	23.87
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8/11/2011	18:20:00	24.70
8/11/2011	18:30:00	24.62
8/11/2011	18:40:00	24.50
8/11/2011	18:50:00	24.41
8/11/2011	19:00:00	24.32
8/11/2011	19:10:00	24.16
8/11/2011	19:20:00	24.01
8/11/2011	19:30:00	23.85
8/11/2011	19:40:00	23.71
8/11/2011	19:50:00	23.55
8/11/2011	20:00:00	23.38
8/11/2011	20:10:00	23.24
8/11/2011	20:20:00	23.08
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8/11/2011	23:20:00	20.48
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8/11/2011	23:50:00	20.14
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8/12/2011	0:30:00	19.70
8/12/2011	0:40:00	19.59
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Date	Time	Temp °C
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8/13/2011	19:10:00	20.86
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8/13/2011	20:00:00	20.76
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8/13/2011	22:20:00	20.11
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8/13/2011	22:40:00	20.08
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8/14/2011	1:30:00	19.94
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8/14/2011	6:10:00	19.03
8/14/2011	6:20:00	18.99
8/14/2011	6:30:00	18.94
8/14/2011	6:40:00	18.91
8/14/2011	6:50:00	18.89
8/14/2011	7:00:00	18.88
8/14/2011	7:10:00	18.86

Date	Time	Temp °C
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8/14/2011	11:10:00	20.40
8/14/2011	11:20:00	20.52
8/14/2011	11:30:00	20.53
8/14/2011	11:40:00	20.60
8/14/2011	11:50:00	20.69
8/14/2011	12:00:00	20.89
8/14/2011	12:10:00	21.18
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8/14/2011	12:40:00	21.77
8/14/2011	12:50:00	21.92
8/14/2011	13:00:00	22.14
8/14/2011	13:10:00	22.17
8/14/2011	13:20:00	22.35
8/14/2011	13:30:00	22.54
8/14/2011	13:40:00	22.72
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8/14/2011	14:20:00	24.05
8/14/2011	14:30:00	24.12
8/14/2011	14:40:00	24.20
8/14/2011	14:50:00	24.44
8/14/2011	15:00:00	24.46
8/14/2011	15:10:00	24.52
8/14/2011	15:20:00	24.60
8/14/2011	15:30:00	24.84

Date	Time	Temp °C
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8/14/2011	16:20:00	23.22
8/14/2011	16:30:00	21.51
8/14/2011	16:40:00	20.21
8/14/2011	16:50:00	19.91
8/14/2011	17:00:00	19.85
8/14/2011	17:10:00	19.80
8/14/2011	17:20:00	19.75
8/14/2011	17:30:00	19.72
8/14/2011	17:40:00	19.74
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8/14/2011	20:30:00	19.47
8/14/2011	20:40:00	19.47
8/14/2011	20:50:00	19.50
8/14/2011	21:00:00	19.51
8/14/2011	21:10:00	19.57
8/14/2011	21:20:00	19.63
8/14/2011	21:30:00	19.67
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8/14/2011	23:30:00	19.88
8/14/2011	23:40:00	19.88
8/14/2011	23:50:00	19.87

Date	Time	Temp °C
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8/15/2011	3:20:00	19.53
8/15/2011	3:30:00	19.52
8/15/2011	3:40:00	19.50
8/15/2011	3:50:00	19.48
8/15/2011	4:00:00	19.46
8/15/2011	4:10:00	19.45
8/15/2011	4:20:00	19.42
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8/15/2011	4:40:00	19.39
8/15/2011	4:50:00	19.38
8/15/2011	5:00:00	19.36
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8/15/2011	5:50:00	19.25
8/15/2011	6:00:00	19.23
8/15/2011	6:10:00	19.20
8/15/2011	6:20:00	19.18
8/15/2011	6:30:00	19.16
8/15/2011	6:40:00	19.14
8/15/2011	6:50:00	19.12
8/15/2011	7:00:00	19.10
8/15/2011	7:10:00	19.07
8/15/2011	7:20:00	19.05
8/15/2011	7:30:00	19.05
8/15/2011	7:40:00	19.05
8/15/2011	7:50:00	19.06
8/15/2011	8:00:00	19.07
8/15/2011	8:10:00	19.08

Date	Time	Temp °C
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8/15/2011	9:10:00	19.10
8/15/2011	9:20:00	19.14
8/15/2011	9:30:00	19.18
8/15/2011	9:40:00	19.24
8/15/2011	9:50:00	19.26
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8/15/2011	12:00:00	20.05
8/15/2011	12:10:00	20.09
8/15/2011	12:20:00	20.10
8/15/2011	12:30:00	20.14
8/15/2011	12:40:00	20.21
8/15/2011	12:50:00	20.33
8/15/2011	13:00:00	20.48
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8/15/2011	14:20:00	18.41
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8/15/2011	16:00:00	18.58
8/15/2011	16:10:00	18.56
8/15/2011	16:20:00	18.51
8/15/2011	16:30:00	18.50

Date	Time	Temp °C
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8/15/2011	16:50:00	18.52
8/15/2011	17:00:00	18.56
8/15/2011	17:10:00	18.60
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8/15/2011	21:00:00	19.09
8/15/2011	21:10:00	19.12
8/15/2011	21:20:00	19.15
8/15/2011	21:30:00	19.18
8/15/2011	21:40:00	19.22
8/15/2011	21:50:00	19.24
8/15/2011	22:00:00	19.25
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8/15/2011	23:20:00	19.35
8/15/2011	23:30:00	19.35
8/15/2011	23:40:00	19.33
8/15/2011	23:50:00	19.32
8/16/2011	0:00:00	19.32
8/16/2011	0:10:00	19.31
8/16/2011	0:20:00	19.29
8/16/2011	0:30:00	19.27
8/16/2011	0:40:00	19.27
8/16/2011	0:50:00	19.26

Date	Time	Temp °C
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8/16/2011	1:30:00	19.18
8/16/2011	1:40:00	19.15
8/16/2011	1:50:00	19.15
8/16/2011	2:00:00	19.14
8/16/2011	2:10:00	19.13
8/16/2011	2:20:00	19.11
8/16/2011	2:30:00	19.10
8/16/2011	2:40:00	19.09
8/16/2011	2:50:00	19.09
8/16/2011	3:00:00	19.09
8/16/2011	3:10:00	19.08
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8/16/2011	4:10:00	19.03
8/16/2011	4:20:00	19.01
8/16/2011	4:30:00	19.00
8/16/2011	4:40:00	18.98
8/16/2011	4:50:00	18.97
8/16/2011	5:00:00	18.96
8/16/2011	5:10:00	18.94
8/16/2011	5:20:00	18.92
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8/16/2011	8:40:00	18.77
8/16/2011	8:50:00	18.80
8/16/2011	9:00:00	18.83
8/16/2011	9:10:00	18.85

Date	Time	Temp °C
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8/16/2011	9:30:00	18.92
8/16/2011	9:40:00	18.99
8/16/2011	9:50:00	19.04
8/16/2011	10:00:00	19.10
8/16/2011	10:10:00	19.18
8/16/2011	10:20:00	19.26
8/16/2011	10:30:00	19.31
8/16/2011	10:40:00	19.42
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8/16/2011	11:00:00	19.72
8/16/2011	11:10:00	19.92
8/16/2011	11:20:00	20.16
8/16/2011	11:30:00	20.36
8/16/2011	11:40:00	20.53
8/16/2011	11:50:00	20.75
8/16/2011	12:00:00	20.90
8/16/2011	12:10:00	21.03
8/16/2011	12:20:00	21.22
8/16/2011	12:30:00	21.26
8/16/2011	12:40:00	21.39
8/16/2011	12:50:00	21.56
8/16/2011	13:00:00	21.71
8/16/2011	13:10:00	21.81
8/16/2011	13:20:00	21.82
8/16/2011	13:30:00	22.00
8/16/2011	13:40:00	22.17
8/16/2011	13:50:00	22.38
8/16/2011	14:00:00	22.67
8/16/2011	14:10:00	22.66
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8/16/2011	15:20:00	24.38
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8/16/2011	16:00:00	24.98
8/16/2011	16:10:00	25.04
8/16/2011	16:20:00	25.16
8/16/2011	16:30:00	25.24
8/16/2011	16:40:00	25.23
8/16/2011	16:50:00	25.36
8/16/2011	17:00:00	25.44
8/16/2011	17:10:00	25.46
8/16/2011	17:20:00	25.52
8/16/2011	17:30:00	25.58

Date	Time	Temp °C
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8/16/2011	18:10:00	25.56
8/16/2011	18:20:00	25.50
8/16/2011	18:30:00	25.44
8/16/2011	18:40:00	25.37
8/16/2011	18:50:00	25.29
8/16/2011	19:00:00	25.12
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8/16/2011	19:40:00	24.49
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8/16/2011	20:10:00	23.95
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8/16/2011	20:30:00	23.56
8/16/2011	20:40:00	23.37
8/16/2011	20:50:00	23.18
8/16/2011	21:00:00	23.03
8/16/2011	21:10:00	22.86
8/16/2011	21:20:00	22.68
8/16/2011	21:30:00	22.51
8/16/2011	21:40:00	22.34
8/16/2011	21:50:00	22.18
8/16/2011	22:00:00	22.02
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8/16/2011	22:40:00	21.42
8/16/2011	22:50:00	21.28
8/16/2011	23:00:00	21.15
8/16/2011	23:10:00	21.01
8/16/2011	23:20:00	20.87
8/16/2011	23:30:00	20.75
8/16/2011	23:40:00	20.61
8/16/2011	23:50:00	20.50
8/17/2011	0:00:00	20.38
8/17/2011	0:10:00	20.26
8/17/2011	0:20:00	20.15
8/17/2011	0:30:00	20.04
8/17/2011	0:40:00	19.94
8/17/2011	0:50:00	19.83
8/17/2011	1:00:00	19.73
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8/17/2011	1:20:00	19.53
8/17/2011	1:30:00	19.43
8/17/2011	1:40:00	19.33
8/17/2011	1:50:00	19.25

Date	Time	Temp °C
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8/17/2011	2:20:00	18.97
8/17/2011	2:30:00	18.90
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8/17/2011	3:10:00	18.62
8/17/2011	3:20:00	18.54
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8/17/2011	3:50:00	18.35
8/17/2011	4:00:00	18.28
8/17/2011	4:10:00	18.23
8/17/2011	4:20:00	18.16
8/17/2011	4:30:00	18.11
8/17/2011	4:40:00	18.04
8/17/2011	4:50:00	17.99
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8/17/2011	5:10:00	17.90
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8/17/2011	5:30:00	17.81
8/17/2011	5:40:00	17.75
8/17/2011	5:50:00	17.70
8/17/2011	6:00:00	17.64
8/17/2011	6:10:00	17.59
8/17/2011	6:20:00	17.54
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8/17/2011	6:40:00	17.45
8/17/2011	6:50:00	17.41
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8/17/2011	7:10:00	17.34
8/17/2011	7:20:00	17.30
8/17/2011	7:30:00	17.28
8/17/2011	7:40:00	17.27
8/17/2011	7:50:00	17.24
8/17/2011	8:00:00	17.23
8/17/2011	8:10:00	17.23
8/17/2011	8:20:00	17.22
8/17/2011	8:30:00	17.24
8/17/2011	8:40:00	17.24
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8/17/2011	9:00:00	17.36
8/17/2011	9:10:00	17.46
8/17/2011	9:20:00	17.59
8/17/2011	9:30:00	17.72
8/17/2011	9:40:00	17.83
8/17/2011	9:50:00	17.96
8/17/2011	10:00:00	18.10
8/17/2011	10:10:00	18.25

Date	Time	Temp °C
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8/17/2011	10:30:00	18.56
8/17/2011	10:40:00	18.72
8/17/2011	10:50:00	18.88
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8/17/2011	11:10:00	19.25
8/17/2011	11:20:00	19.42
8/17/2011	11:30:00	19.61
8/17/2011	11:40:00	19.81
8/17/2011	11:50:00	20.03
8/17/2011	12:00:00	20.28
8/17/2011	12:10:00	20.48
8/17/2011	12:20:00	20.66
8/17/2011	12:30:00	20.89
8/17/2011	12:40:00	21.12
8/17/2011	12:50:00	21.34
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8/17/2011	13:20:00	21.99
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8/17/2011	13:40:00	22.53
8/17/2011	13:50:00	22.54
8/17/2011	14:00:00	22.79
8/17/2011	14:10:00	23.06
8/17/2011	14:20:00	22.85
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8/17/2011	14:40:00	23.28
8/17/2011	14:50:00	22.24
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8/17/2011	15:20:00	19.86
8/17/2011	15:30:00	19.84
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8/17/2011	16:10:00	20.05
8/17/2011	16:20:00	20.07
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8/17/2011	17:00:00	20.58
8/17/2011	17:10:00	20.70
8/17/2011	17:20:00	20.83
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8/17/2011	18:20:00	21.28
8/17/2011	18:30:00	21.32

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8/17/2011	19:50:00	21.11
8/17/2011	20:00:00	21.03
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8/17/2011	22:00:00	20.41
8/17/2011	22:10:00	20.38
8/17/2011	22:20:00	20.37
8/17/2011	22:30:00	20.35
8/17/2011	22:40:00	20.35
8/17/2011	22:50:00	20.33
8/17/2011	23:00:00	20.33
8/17/2011	23:10:00	20.31
8/17/2011	23:20:00	20.31
8/17/2011	23:30:00	20.29
8/17/2011	23:40:00	20.28
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8/18/2011	0:10:00	20.22
8/18/2011	0:20:00	20.19
8/18/2011	0:30:00	20.15
8/18/2011	0:40:00	20.13
8/18/2011	0:50:00	20.09
8/18/2011	1:00:00	20.05
8/18/2011	1:10:00	20.02
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8/18/2011	2:40:00	19.62
8/18/2011	2:50:00	19.57

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8/18/2011	4:30:00	19.13
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8/18/2011	4:50:00	19.06
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8/18/2011	9:20:00	18.76
8/18/2011	9:30:00	18.88
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8/18/2011	9:50:00	19.13
8/18/2011	10:00:00	19.28
8/18/2011	10:10:00	19.47
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8/18/2011	10:40:00	19.88
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8/18/2011	11:00:00	20.16
8/18/2011	11:10:00	20.32

Date	Time	Temp °C
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8/18/2011	12:50:00	21.63
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8/18/2011	13:20:00	22.36
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Date	Time	Temp °C
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8/18/2011	22:40:00	20.08
8/18/2011	22:50:00	20.04
8/18/2011	23:00:00	19.99
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8/19/2011	3:30:00	18.92
8/19/2011	3:40:00	18.89
8/19/2011	3:50:00	18.85

Date	Time	Temp °C
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8/19/2011	9:00:00	17.99
8/19/2011	9:10:00	18.14
8/19/2011	9:20:00	18.30
8/19/2011	9:30:00	18.38
8/19/2011	9:40:00	18.45
8/19/2011	9:50:00	18.51
8/19/2011	10:00:00	18.65
8/19/2011	10:10:00	18.81
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8/19/2011	10:50:00	19.35
8/19/2011	11:00:00	19.54
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8/19/2011	12:00:00	20.60
8/19/2011	12:10:00	20.78

Date	Time	Temp °C
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8/19/2011	18:20:00	21.61
8/19/2011	18:30:00	21.59
8/19/2011	18:40:00	21.50
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8/19/2011	19:10:00	21.21
8/19/2011	19:20:00	21.22
8/19/2011	19:30:00	21.16
8/19/2011	19:40:00	21.13
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8/19/2011	20:10:00	21.03
8/19/2011	20:20:00	20.96
8/19/2011	20:30:00	20.88

Date	Time	Temp °C
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8/19/2011	21:50:00	20.36
8/19/2011	22:00:00	20.31
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8/19/2011	23:00:00	20.05
8/19/2011	23:10:00	20.03
8/19/2011	23:20:00	20.01
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8/20/2011	2:40:00	19.14
8/20/2011	2:50:00	19.10
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8/20/2011	3:10:00	19.00
8/20/2011	3:20:00	18.95
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8/20/2011	4:20:00	18.61
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8/20/2011	4:50:00	18.44

Date	Time	Temp °C
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8/20/2011	13:10:00	21.12

Date	Time	Temp °C
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8/20/2011	14:40:00	19.96
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8/20/2011	17:00:00	21.17
8/20/2011	17:10:00	21.28
8/20/2011	17:20:00	21.43
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8/20/2011	18:10:00	21.54
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8/20/2011	18:50:00	21.56
8/20/2011	19:00:00	21.56
8/20/2011	19:10:00	21.53
8/20/2011	19:20:00	21.51
8/20/2011	19:30:00	21.49
8/20/2011	19:40:00	21.47
8/20/2011	19:50:00	21.44
8/20/2011	20:00:00	21.39
8/20/2011	20:10:00	21.34
8/20/2011	20:20:00	21.29
8/20/2011	20:30:00	21.22
8/20/2011	20:40:00	21.17
8/20/2011	20:50:00	21.10
8/20/2011	21:00:00	21.04
8/20/2011	21:10:00	21.00
8/20/2011	21:20:00	20.95
8/20/2011	21:30:00	20.90

Date	Time	Temp °C
8/20/2011	21:40:00	20.86
8/20/2011	21:50:00	20.84
8/20/2011	22:00:00	20.81
8/20/2011	22:10:00	20.78
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8/20/2011	22:30:00	20.74
8/20/2011	22:40:00	20.72
8/20/2011	22:50:00	20.70
8/20/2011	23:00:00	20.68
8/20/2011	23:10:00	20.64
8/20/2011	23:20:00	20.61
8/20/2011	23:30:00	20.57
8/20/2011	23:40:00	20.54
8/20/2011	23:50:00	20.50
8/21/2011	0:00:00	20.48
8/21/2011	0:10:00	20.42
8/21/2011	0:20:00	20.38
8/21/2011	0:30:00	20.37
8/21/2011	0:40:00	20.33
8/21/2011	0:50:00	20.30
8/21/2011	1:00:00	20.27
8/21/2011	1:10:00	20.24
8/21/2011	1:20:00	20.21
8/21/2011	1:30:00	20.18
8/21/2011	1:40:00	20.14
8/21/2011	1:50:00	20.10
8/21/2011	2:00:00	20.06
8/21/2011	2:10:00	20.03
8/21/2011	2:20:00	19.98
8/21/2011	2:30:00	19.95
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8/21/2011	2:50:00	19.86
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8/21/2011	3:30:00	19.69
8/21/2011	3:40:00	19.64
8/21/2011	3:50:00	19.58
8/21/2011	4:00:00	19.53
8/21/2011	4:10:00	19.48
8/21/2011	4:20:00	19.44
8/21/2011	4:30:00	19.38
8/21/2011	4:40:00	19.33
8/21/2011	4:50:00	19.28
8/21/2011	5:00:00	19.24
8/21/2011	5:10:00	19.19
8/21/2011	5:20:00	19.15
8/21/2011	5:30:00	19.10
8/21/2011	5:40:00	19.06
8/21/2011	5:50:00	19.01

Date	Time	Temp °C
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8/21/2011	6:10:00	18.94
8/21/2011	6:20:00	18.91
8/21/2011	6:30:00	18.88
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8/21/2011	7:20:00	18.74
8/21/2011	7:30:00	18.71
8/21/2011	7:40:00	18.71
8/21/2011	7:50:00	18.70
8/21/2011	8:00:00	18.68
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8/21/2011	8:20:00	18.67
8/21/2011	8:30:00	18.66
8/21/2011	8:40:00	18.68
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8/21/2011	9:10:00	18.92
8/21/2011	9:20:00	19.07
8/21/2011	9:30:00	19.16
8/21/2011	9:40:00	19.20
8/21/2011	9:50:00	19.23
8/21/2011	10:00:00	19.32
8/21/2011	10:10:00	19.41
8/21/2011	10:20:00	19.46
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8/21/2011	10:50:00	19.66
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8/21/2011	11:10:00	19.66
8/21/2011	11:20:00	19.63
8/21/2011	11:30:00	19.60
8/21/2011	11:40:00	19.59
8/21/2011	11:50:00	19.59
8/21/2011	12:00:00	19.61
8/21/2011	12:10:00	19.62
8/21/2011	12:20:00	19.66
8/21/2011	12:30:00	19.72
8/21/2011	12:40:00	19.78
8/21/2011	12:50:00	19.84
8/21/2011	13:00:00	19.95
8/21/2011	13:10:00	20.16
8/21/2011	13:20:00	20.36
8/21/2011	13:30:00	20.56
8/21/2011	13:40:00	20.76
8/21/2011	13:50:00	21.12
8/21/2011	14:00:00	21.25
8/21/2011	14:10:00	21.46

Date	Time	Temp °C
8/21/2011	14:20:00	21.74
8/21/2011	14:30:00	22.00
8/21/2011	14:40:00	22.16
8/21/2011	14:50:00	22.37
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8/21/2011	15:10:00	22.80
8/21/2011	15:20:00	22.88
8/21/2011	15:30:00	22.90
8/21/2011	15:40:00	22.97
8/21/2011	15:50:00	23.03
8/21/2011	16:00:00	23.15
8/21/2011	16:10:00	23.27
8/21/2011	16:20:00	23.38
8/21/2011	16:30:00	23.39
8/21/2011	16:40:00	23.37
8/21/2011	16:50:00	23.42
8/21/2011	17:00:00	23.62
8/21/2011	17:10:00	23.69
8/21/2011	17:20:00	23.63
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8/21/2011	17:40:00	23.57
8/21/2011	17:50:00	23.59
8/21/2011	18:00:00	23.60
8/21/2011	18:10:00	23.57
8/21/2011	18:20:00	23.54
8/21/2011	18:30:00	23.54
8/21/2011	18:40:00	23.45
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8/21/2011	19:00:00	23.31
8/21/2011	19:10:00	23.29
8/21/2011	19:20:00	23.25
8/21/2011	19:30:00	23.21
8/21/2011	19:40:00	23.16
8/21/2011	19:50:00	23.07
8/21/2011	20:00:00	22.98
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8/21/2011	21:10:00	22.45
8/21/2011	21:20:00	22.38
8/21/2011	21:30:00	22.32
8/21/2011	21:40:00	22.25
8/21/2011	21:50:00	22.18
8/21/2011	22:00:00	22.10
8/21/2011	22:10:00	22.02
8/21/2011	22:20:00	21.94
8/21/2011	22:30:00	21.88

Date	Time	Temp °C
8/21/2011	22:40:00	21.81
8/21/2011	22:50:00	21.74
8/21/2011	23:00:00	21.66
8/21/2011	23:10:00	21.58
8/21/2011	23:20:00	21.50
8/21/2011	23:30:00	21.42
8/21/2011	23:40:00	21.34
8/21/2011	23:50:00	21.25
8/22/2011	0:00:00	21.20
8/22/2011	0:10:00	21.13
8/22/2011	0:20:00	21.06
8/22/2011	0:30:00	20.97
8/22/2011	0:40:00	20.89
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8/22/2011	1:10:00	20.64
8/22/2011	1:20:00	20.57
8/22/2011	1:30:00	20.50
8/22/2011	1:40:00	20.42
8/22/2011	1:50:00	20.34
8/22/2011	2:00:00	20.28
8/22/2011	2:10:00	20.21
8/22/2011	2:20:00	20.15
8/22/2011	2:30:00	20.07
8/22/2011	2:40:00	20.00
8/22/2011	2:50:00	19.92
8/22/2011	3:00:00	19.84
8/22/2011	3:10:00	19.77
8/22/2011	3:20:00	19.70
8/22/2011	3:30:00	19.63
8/22/2011	3:40:00	19.56
8/22/2011	3:50:00	19.50
8/22/2011	4:00:00	19.45
8/22/2011	4:10:00	19.38
8/22/2011	4:20:00	19.30
8/22/2011	4:30:00	19.23
8/22/2011	4:40:00	19.16
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8/22/2011	5:30:00	18.84
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8/22/2011	5:50:00	18.72
8/22/2011	6:00:00	18.66
8/22/2011	6:10:00	18.61
8/22/2011	6:20:00	18.53
8/22/2011	6:30:00	18.48
8/22/2011	6:40:00	18.44
8/22/2011	6:50:00	18.39

Date	Time	Temp °C
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8/22/2011	7:20:00	18.24
8/22/2011	7:30:00	18.20
8/22/2011	7:40:00	18.16
8/22/2011	7:50:00	18.14
8/22/2011	8:00:00	18.12
8/22/2011	8:10:00	18.11
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8/22/2011	9:00:00	18.14
8/22/2011	9:10:00	18.16
8/22/2011	9:20:00	18.25
8/22/2011	9:30:00	18.35
8/22/2011	9:40:00	18.46
8/22/2011	9:50:00	18.59
8/22/2011	10:00:00	18.62
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8/22/2011	10:50:00	19.01
8/22/2011	11:00:00	19.18
8/22/2011	11:10:00	19.20
8/22/2011	11:20:00	19.25
8/22/2011	11:30:00	19.37
8/22/2011	11:40:00	19.60
8/22/2011	11:50:00	19.76
8/22/2011	12:00:00	19.87
8/22/2011	12:10:00	19.98
8/22/2011	12:20:00	20.02
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8/22/2011	13:30:00	19.76
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8/22/2011	13:50:00	18.74
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8/22/2011	14:40:00	19.23
8/22/2011	14:50:00	19.24
8/22/2011	15:00:00	19.23
8/22/2011	15:10:00	19.16

Date	Time	Temp °C
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8/22/2011	15:30:00	19.14
8/22/2011	15:40:00	19.09
8/22/2011	15:50:00	19.18
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8/22/2011	16:40:00	19.66
8/22/2011	16:50:00	19.77
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8/22/2011	17:20:00	19.94
8/22/2011	17:30:00	19.91
8/22/2011	17:40:00	19.96
8/22/2011	17:50:00	19.99
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8/22/2011	18:10:00	19.87
8/22/2011	18:20:00	19.80
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8/22/2011	18:50:00	19.75
8/22/2011	19:00:00	19.72
8/22/2011	19:10:00	19.71
8/22/2011	19:20:00	19.68
8/22/2011	19:30:00	19.65
8/22/2011	19:40:00	19.57
8/22/2011	19:50:00	19.48
8/22/2011	20:00:00	19.40
8/22/2011	20:10:00	19.32
8/22/2011	20:20:00	19.25
8/22/2011	20:30:00	19.17
8/22/2011	20:40:00	19.10
8/22/2011	20:50:00	19.06
8/22/2011	21:00:00	18.98
8/22/2011	21:10:00	18.91
8/22/2011	21:20:00	18.86
8/22/2011	21:30:00	18.80
8/22/2011	21:40:00	18.74
8/22/2011	21:50:00	18.68
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8/22/2011	22:10:00	18.58
8/22/2011	22:20:00	18.55
8/22/2011	22:30:00	18.50
8/22/2011	22:40:00	18.46
8/22/2011	22:50:00	18.40
8/22/2011	23:00:00	18.36
8/22/2011	23:10:00	18.31
8/22/2011	23:20:00	18.27
8/22/2011	23:30:00	18.20

Date	Time	Temp °C
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8/22/2011	23:50:00	18.11
8/23/2011	0:00:00	18.05
8/23/2011	0:10:00	18.00
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8/23/2011	0:30:00	17.90
8/23/2011	0:40:00	17.84
8/23/2011	0:50:00	17.78
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8/23/2011	1:10:00	17.69
8/23/2011	1:20:00	17.62
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8/23/2011	1:50:00	17.45
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8/23/2011	2:10:00	17.33
8/23/2011	2:20:00	17.26
8/23/2011	2:30:00	17.22
8/23/2011	2:40:00	17.17
8/23/2011	2:50:00	17.10
8/23/2011	3:00:00	17.04
8/23/2011	3:10:00	16.99
8/23/2011	3:20:00	16.94
8/23/2011	3:30:00	16.88
8/23/2011	3:40:00	16.82
8/23/2011	3:50:00	16.77
8/23/2011	4:00:00	16.71
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8/23/2011	5:20:00	16.29
8/23/2011	5:30:00	16.25
8/23/2011	5:40:00	16.20
8/23/2011	5:50:00	16.14
8/23/2011	6:00:00	16.08
8/23/2011	6:10:00	16.05
8/23/2011	6:20:00	16.00
8/23/2011	6:30:00	15.97
8/23/2011	6:40:00	15.91
8/23/2011	6:50:00	15.87
8/23/2011	7:00:00	15.82
8/23/2011	7:10:00	15.78
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8/23/2011	7:30:00	15.69
8/23/2011	7:40:00	15.67
8/23/2011	7:50:00	15.64

Date	Time	Temp °C
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8/23/2011	8:20:00	15.60
8/23/2011	8:30:00	15.60
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8/23/2011	8:50:00	15.65
8/23/2011	9:00:00	15.72
8/23/2011	9:10:00	15.84
8/23/2011	9:20:00	15.94
8/23/2011	9:30:00	16.09
8/23/2011	9:40:00	16.22
8/23/2011	9:50:00	16.35
8/23/2011	10:00:00	16.49
8/23/2011	10:10:00	16.62
8/23/2011	10:20:00	16.81
8/23/2011	10:30:00	16.98
8/23/2011	10:40:00	17.16
8/23/2011	10:50:00	17.34
8/23/2011	11:00:00	17.55
8/23/2011	11:10:00	17.72
8/23/2011	11:20:00	17.90
8/23/2011	11:30:00	18.13
8/23/2011	11:40:00	18.36
8/23/2011	11:50:00	18.55
8/23/2011	12:00:00	18.59
8/23/2011	12:10:00	18.76
8/23/2011	12:20:00	18.77
8/23/2011	12:30:00	19.05
8/23/2011	12:40:00	19.09
8/23/2011	12:50:00	19.26
8/23/2011	13:00:00	19.44
8/23/2011	13:10:00	19.45
8/23/2011	13:20:00	19.68
8/23/2011	13:30:00	19.81
8/23/2011	13:40:00	19.79
8/23/2011	13:50:00	19.88
8/23/2011	14:00:00	20.12
8/23/2011	14:10:00	20.35
8/23/2011	14:20:00	20.48
8/23/2011	14:30:00	20.58
8/23/2011	14:40:00	20.98
8/23/2011	14:50:00	21.27
8/23/2011	15:00:00	21.51
8/23/2011	15:10:00	21.77
8/23/2011	15:20:00	21.59
8/23/2011	15:30:00	21.59
8/23/2011	15:40:00	21.73
8/23/2011	15:50:00	22.00
8/23/2011	16:00:00	22.09
8/23/2011	16:10:00	22.27

Date	Time	Temp °C
8/23/2011	16:20:00	22.23
8/23/2011	16:30:00	22.42
8/23/2011	16:40:00	22.68
8/23/2011	16:50:00	22.81
8/23/2011	17:00:00	22.92
8/23/2011	17:10:00	22.96
8/23/2011	17:20:00	23.07
8/23/2011	17:30:00	23.16
8/23/2011	17:40:00	23.11
8/23/2011	17:50:00	23.16
8/23/2011	18:00:00	23.20
8/23/2011	18:10:00	23.17
8/23/2011	18:20:00	23.14
8/23/2011	18:30:00	23.12
8/23/2011	18:40:00	23.07
8/23/2011	18:50:00	22.91
8/23/2011	19:00:00	22.79
8/23/2011	19:10:00	22.71
8/23/2011	19:20:00	22.62
8/23/2011	19:30:00	22.50
8/23/2011	19:40:00	22.38
8/23/2011	19:50:00	22.25
8/23/2011	20:00:00	22.12
8/23/2011	20:10:00	21.98
8/23/2011	20:20:00	21.82
8/23/2011	20:30:00	21.69
8/23/2011	20:40:00	21.54
8/23/2011	20:50:00	21.41
8/23/2011	21:00:00	21.27
8/23/2011	21:10:00	21.14
8/23/2011	21:20:00	21.04
8/23/2011	21:30:00	20.89
8/23/2011	21:40:00	20.78
8/23/2011	21:50:00	20.65
8/23/2011	22:00:00	20.53
8/23/2011	22:10:00	20.41
8/23/2011	22:20:00	20.29
8/23/2011	22:30:00	20.17
8/23/2011	22:40:00	20.05
8/23/2011	22:50:00	19.95
8/23/2011	23:00:00	19.83
8/23/2011	23:10:00	19.72
8/23/2011	23:20:00	19.59
8/23/2011	23:30:00	19.49
8/23/2011	23:40:00	19.37
8/23/2011	23:50:00	19.27
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8/24/2011	0:10:00	19.07
8/24/2011	0:20:00	18.96
8/24/2011	0:30:00	18.86

Date	Time	Temp °C
8/24/2011	0:40:00	18.77
8/24/2011	0:50:00	18.67
8/24/2011	1:00:00	18.57
8/24/2011	1:10:00	18.49
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8/24/2011	1:30:00	18.31
8/24/2011	1:40:00	18.22
8/24/2011	1:50:00	18.14
8/24/2011	2:00:00	18.05
8/24/2011	2:10:00	17.97
8/24/2011	2:20:00	17.88
8/24/2011	2:30:00	17.79
8/24/2011	2:40:00	17.71
8/24/2011	2:50:00	17.63
8/24/2011	3:00:00	17.55
8/24/2011	3:10:00	17.47
8/24/2011	3:20:00	17.40
8/24/2011	3:30:00	17.31
8/24/2011	3:40:00	17.22
8/24/2011	3:50:00	17.13
8/24/2011	4:00:00	17.04
8/24/2011	4:10:00	16.95
8/24/2011	4:20:00	16.88
8/24/2011	4:30:00	16.80
8/24/2011	4:40:00	16.73
8/24/2011	4:50:00	16.67
8/24/2011	5:00:00	16.59
8/24/2011	5:10:00	16.52
8/24/2011	5:20:00	16.45
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8/24/2011	5:40:00	16.32
8/24/2011	5:50:00	16.26
8/24/2011	6:00:00	16.21
8/24/2011	6:10:00	16.16
8/24/2011	6:20:00	16.10
8/24/2011	6:30:00	16.05
8/24/2011	6:40:00	16.01
8/24/2011	6:50:00	15.97
8/24/2011	7:00:00	15.93
8/24/2011	7:10:00	15.90
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8/24/2011	7:30:00	15.83
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8/24/2011	8:30:00	15.83
8/24/2011	8:40:00	15.88
8/24/2011	8:50:00	15.95

Date	Time	Temp °C
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8/24/2011	9:50:00	16.66
8/24/2011	10:00:00	16.75
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8/24/2011	11:20:00	17.96
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8/24/2011	13:20:00	19.80
8/24/2011	13:30:00	20.07
8/24/2011	13:40:00	20.20
8/24/2011	13:50:00	20.40
8/24/2011	14:00:00	20.67
8/24/2011	14:10:00	20.93
8/24/2011	14:20:00	21.12
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8/24/2011	14:50:00	21.48
8/24/2011	15:00:00	21.65
8/24/2011	15:10:00	22.00
8/24/2011	15:20:00	22.05
8/24/2011	15:30:00	22.08
8/24/2011	15:40:00	22.32
8/24/2011	15:50:00	22.43
8/24/2011	16:00:00	22.48
8/24/2011	16:10:00	22.53
8/24/2011	16:20:00	22.63
8/24/2011	16:30:00	22.91
8/24/2011	16:40:00	23.06
8/24/2011	16:50:00	23.10
8/24/2011	17:00:00	23.21
8/24/2011	17:10:00	23.26

Date	Time	Temp °C
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8/24/2011	17:40:00	23.40
8/24/2011	17:50:00	23.41
8/24/2011	18:00:00	23.39
8/24/2011	18:10:00	23.38
8/24/2011	18:20:00	23.37
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8/24/2011	18:40:00	23.29
8/24/2011	18:50:00	23.24
8/24/2011	19:00:00	23.20
8/24/2011	19:10:00	23.16
8/24/2011	19:20:00	23.11
8/24/2011	19:30:00	23.05
8/24/2011	19:40:00	22.98
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8/24/2011	20:10:00	22.71
8/24/2011	20:20:00	22.61
8/24/2011	20:30:00	22.50
8/24/2011	20:40:00	22.39
8/24/2011	20:50:00	22.29
8/24/2011	21:00:00	22.18
8/24/2011	21:10:00	22.08
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8/24/2011	22:30:00	21.29
8/24/2011	22:40:00	21.19
8/24/2011	22:50:00	21.10
8/24/2011	23:00:00	21.01
8/24/2011	23:10:00	20.93
8/24/2011	23:20:00	20.84
8/24/2011	23:30:00	20.76
8/24/2011	23:40:00	20.67
8/24/2011	23:50:00	20.58
8/25/2011	0:00:00	20.50
8/25/2011	0:10:00	20.42
8/25/2011	0:20:00	20.34
8/25/2011	0:30:00	20.26
8/25/2011	0:40:00	20.18
8/25/2011	0:50:00	20.09
8/25/2011	1:00:00	20.01
8/25/2011	1:10:00	19.94
8/25/2011	1:20:00	19.86
8/25/2011	1:30:00	19.79

Date	Time	Temp °C
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8/25/2011	2:20:00	19.50
8/25/2011	2:30:00	19.44
8/25/2011	2:40:00	19.39
8/25/2011	2:50:00	19.35
8/25/2011	3:00:00	19.31
8/25/2011	3:10:00	19.27
8/25/2011	3:20:00	19.23
8/25/2011	3:30:00	19.20
8/25/2011	3:40:00	19.17
8/25/2011	3:50:00	19.13
8/25/2011	4:00:00	19.09
8/25/2011	4:10:00	19.05
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8/25/2011	9:10:00	18.28
8/25/2011	9:20:00	18.26
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8/25/2011	9:40:00	18.24
8/25/2011	9:50:00	18.23

Date	Time	Temp °C
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8/25/2011	10:50:00	18.24
8/25/2011	11:00:00	18.25
8/25/2011	11:10:00	18.30
8/25/2011	11:20:00	18.38
8/25/2011	11:30:00	18.48
8/25/2011	11:40:00	18.65
8/25/2011	11:50:00	18.72
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8/25/2011	12:10:00	19.03
8/25/2011	12:20:00	19.08
8/25/2011	12:30:00	19.20
8/25/2011	12:40:00	19.32
8/25/2011	12:50:00	19.40
8/25/2011	13:00:00	19.57
8/25/2011	13:10:00	19.64
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8/25/2011	13:50:00	19.84
8/25/2011	14:00:00	20.04
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8/25/2011	14:40:00	20.60
8/25/2011	14:50:00	20.77
8/25/2011	15:00:00	20.97
8/25/2011	15:10:00	21.06
8/25/2011	15:20:00	21.04
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8/25/2011	17:50:00	22.02
8/25/2011	18:00:00	22.16
8/25/2011	18:10:00	22.21

Date	Time	Temp °C
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8/25/2011	18:40:00	22.17
8/25/2011	18:50:00	22.11
8/25/2011	19:00:00	22.06
8/25/2011	19:10:00	22.00
8/25/2011	19:20:00	21.94
8/25/2011	19:30:00	21.86
8/25/2011	19:40:00	21.79
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8/25/2011	22:40:00	20.26
8/25/2011	22:50:00	20.16
8/25/2011	23:00:00	20.09
8/25/2011	23:10:00	20.01
8/25/2011	23:20:00	19.92
8/25/2011	23:30:00	19.83
8/25/2011	23:40:00	19.76
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8/26/2011	0:00:00	19.62
8/26/2011	0:10:00	19.57
8/26/2011	0:20:00	19.50
8/26/2011	0:30:00	19.46
8/26/2011	0:40:00	19.42
8/26/2011	0:50:00	19.40
8/26/2011	1:00:00	19.37
8/26/2011	1:10:00	19.35
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8/26/2011	2:10:00	19.21
8/26/2011	2:20:00	19.19
8/26/2011	2:30:00	19.18

Date	Time	Temp °C
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8/26/2011	3:30:00	19.09
8/26/2011	3:40:00	19.07
8/26/2011	3:50:00	19.05
8/26/2011	4:00:00	19.04
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8/26/2011	8:40:00	19.53
8/26/2011	8:50:00	19.54
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8/26/2011	10:30:00	20.06
8/26/2011	10:40:00	20.14
8/26/2011	10:50:00	20.20

Date	Time	Temp °C
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8/26/2011	11:20:00	20.40
8/26/2011	11:30:00	20.51
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8/26/2011	11:50:00	20.80
8/26/2011	12:00:00	20.95
8/26/2011	12:10:00	21.10
8/26/2011	12:20:00	21.23
8/26/2011	12:30:00	21.15
8/26/2011	12:40:00	21.18
8/26/2011	12:50:00	21.14
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8/26/2011	13:50:00	19.82
8/26/2011	14:00:00	20.03
8/26/2011	14:10:00	19.96
8/26/2011	14:20:00	20.09
8/26/2011	14:30:00	19.99
8/26/2011	14:40:00	20.04
8/26/2011	14:50:00	20.08
8/26/2011	15:00:00	20.27
8/26/2011	15:10:00	20.34
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8/26/2011	15:30:00	20.59
8/26/2011	15:40:00	20.76
8/26/2011	15:50:00	20.99
8/26/2011	16:00:00	21.17
8/26/2011	16:10:00	21.30
8/26/2011	16:20:00	21.35
8/26/2011	16:30:00	21.53
8/26/2011	16:40:00	21.61
8/26/2011	16:50:00	21.73
8/26/2011	17:00:00	21.90
8/26/2011	17:10:00	21.94
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8/26/2011	18:00:00	22.58
8/26/2011	18:10:00	22.72
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8/26/2011	18:30:00	22.84
8/26/2011	18:40:00	22.81
8/26/2011	18:50:00	22.74
8/26/2011	19:00:00	22.68
8/26/2011	19:10:00	22.61

Date	Time	Temp °C
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8/26/2011	19:30:00	22.43
8/26/2011	19:40:00	22.34
8/26/2011	19:50:00	22.26
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8/26/2011	20:30:00	21.92
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8/26/2011	21:10:00	21.59
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8/26/2011	21:30:00	21.45
8/26/2011	21:40:00	21.38
8/26/2011	21:50:00	21.30
8/26/2011	22:00:00	21.24
8/26/2011	22:10:00	21.17
8/26/2011	22:20:00	21.09
8/26/2011	22:30:00	21.02
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8/26/2011	22:50:00	20.91
8/26/2011	23:00:00	20.85
8/26/2011	23:10:00	20.81
8/26/2011	23:20:00	20.75
8/26/2011	23:30:00	20.71
8/26/2011	23:40:00	20.68
8/26/2011	23:50:00	20.64
8/27/2011	0:00:00	20.61
8/27/2011	0:10:00	20.57
8/27/2011	0:20:00	20.54
8/27/2011	0:30:00	20.51
8/27/2011	0:40:00	20.48
8/27/2011	0:50:00	20.45
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8/27/2011	1:20:00	20.35
8/27/2011	1:30:00	20.32
8/27/2011	1:40:00	20.29
8/27/2011	1:50:00	20.26
8/27/2011	2:00:00	20.24
8/27/2011	2:10:00	20.22
8/27/2011	2:20:00	20.19
8/27/2011	2:30:00	20.16
8/27/2011	2:40:00	20.13
8/27/2011	2:50:00	20.10
8/27/2011	3:00:00	20.08
8/27/2011	3:10:00	20.05
8/27/2011	3:20:00	20.02
8/27/2011	3:30:00	20.00

Date	Time	Temp °C
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8/27/2011	3:50:00	19.95
8/27/2011	4:00:00	19.92
8/27/2011	4:10:00	19.90
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8/27/2011	4:30:00	19.85
8/27/2011	4:40:00	19.82
8/27/2011	4:50:00	19.79
8/27/2011	5:00:00	19.78
8/27/2011	5:10:00	19.76
8/27/2011	5:20:00	19.74
8/27/2011	5:30:00	19.73
8/27/2011	5:40:00	19.71
8/27/2011	5:50:00	19.69
8/27/2011	6:00:00	19.68
8/27/2011	6:10:00	19.65
8/27/2011	6:20:00	19.63
8/27/2011	6:30:00	19.61
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8/27/2011	6:50:00	19.58
8/27/2011	7:00:00	19.56
8/27/2011	7:10:00	19.53
8/27/2011	7:20:00	19.52
8/27/2011	7:30:00	19.51
8/27/2011	7:40:00	19.51
8/27/2011	7:50:00	19.50
8/27/2011	8:00:00	19.49
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8/27/2011	8:20:00	19.50
8/27/2011	8:30:00	19.51
8/27/2011	8:40:00	19.51
8/27/2011	8:50:00	19.51
8/27/2011	9:00:00	19.52
8/27/2011	9:10:00	19.54
8/27/2011	9:20:00	19.56
8/27/2011	9:30:00	19.60
8/27/2011	9:40:00	19.66
8/27/2011	9:50:00	19.74
8/27/2011	10:00:00	19.81
8/27/2011	10:10:00	19.88
8/27/2011	10:20:00	19.93
8/27/2011	10:30:00	19.99
8/27/2011	10:40:00	20.05
8/27/2011	10:50:00	20.17
8/27/2011	11:00:00	20.30
8/27/2011	11:10:00	20.33
8/27/2011	11:20:00	20.43
8/27/2011	11:30:00	20.51
8/27/2011	11:40:00	20.56
8/27/2011	11:50:00	20.72

Date	Time	Temp °C
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8/27/2011	15:00:00	20.09
8/27/2011	15:10:00	20.15
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8/27/2011	15:30:00	20.21
8/27/2011	15:40:00	20.24
8/27/2011	15:50:00	20.29
8/27/2011	16:00:00	20.33
8/27/2011	16:10:00	20.43
8/27/2011	16:20:00	20.49
8/27/2011	16:30:00	20.58
8/27/2011	16:40:00	20.62
8/27/2011	16:50:00	20.64
8/27/2011	17:00:00	20.69
8/27/2011	17:10:00	20.73
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8/27/2011	18:00:00	20.88
8/27/2011	18:10:00	20.92
8/27/2011	18:20:00	20.93
8/27/2011	18:30:00	20.93
8/27/2011	18:40:00	20.93
8/27/2011	18:50:00	20.93
8/27/2011	19:00:00	20.93
8/27/2011	19:10:00	20.93
8/27/2011	19:20:00	20.93
8/27/2011	19:30:00	20.93
8/27/2011	19:40:00	20.94
8/27/2011	19:50:00	20.97
8/27/2011	20:00:00	20.99
8/27/2011	20:10:00	21.03

Date	Time	Temp °C
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8/27/2011	20:50:00	21.12
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8/27/2011	21:30:00	21.12
8/27/2011	21:40:00	21.12
8/27/2011	21:50:00	21.10
8/27/2011	22:00:00	21.09
8/27/2011	22:10:00	21.08
8/27/2011	22:20:00	21.07
8/27/2011	22:30:00	21.06
8/27/2011	22:40:00	21.03
8/27/2011	22:50:00	21.02
8/27/2011	23:00:00	21.00
8/27/2011	23:10:00	20.97
8/27/2011	23:20:00	20.94
8/27/2011	23:30:00	20.92
8/27/2011	23:40:00	20.89
8/27/2011	23:50:00	20.86
8/28/2011	0:00:00	20.83
8/28/2011	0:10:00	20.80
8/28/2011	0:20:00	20.78
8/28/2011	0:30:00	20.75
8/28/2011	0:40:00	20.73
8/28/2011	0:50:00	20.70
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8/28/2011	1:40:00	20.59
8/28/2011	1:50:00	20.56
8/28/2011	2:00:00	20.55
8/28/2011	2:10:00	20.53
8/28/2011	2:20:00	20.51
8/28/2011	2:30:00	20.48
8/28/2011	2:40:00	20.45
8/28/2011	2:50:00	20.43
8/28/2011	3:00:00	20.40
8/28/2011	3:10:00	20.39
8/28/2011	3:20:00	20.36
8/28/2011	3:30:00	20.34
8/28/2011	3:40:00	20.31
8/28/2011	3:50:00	20.28
8/28/2011	4:00:00	20.25
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8/28/2011	4:20:00	20.19
8/28/2011	4:30:00	20.16

Date	Time	Temp °C
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8/28/2011	5:20:00	19.98
8/28/2011	5:30:00	19.95
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8/28/2011	8:50:00	19.28
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8/28/2011	9:50:00	19.33
8/28/2011	10:00:00	19.34
8/28/2011	10:10:00	19.35
8/28/2011	10:20:00	19.39
8/28/2011	10:30:00	19.41
8/28/2011	10:40:00	19.41
8/28/2011	10:50:00	19.44
8/28/2011	11:00:00	19.47
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8/28/2011	12:00:00	19.85
8/28/2011	12:10:00	19.98
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8/28/2011	12:50:00	20.33

Date	Time	Temp °C
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8/28/2011	14:30:00	21.89
8/28/2011	14:40:00	22.06
8/28/2011	14:50:00	22.29
8/28/2011	15:00:00	22.60
8/28/2011	15:10:00	22.72
8/28/2011	15:20:00	22.81
8/28/2011	15:30:00	23.08
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8/28/2011	15:50:00	23.23
8/28/2011	16:00:00	23.21
8/28/2011	16:10:00	23.29
8/28/2011	16:20:00	23.47
8/28/2011	16:30:00	23.57
8/28/2011	16:40:00	23.70
8/28/2011	16:50:00	23.65
8/28/2011	17:00:00	23.61
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8/28/2011	17:40:00	23.74
8/28/2011	17:50:00	23.74
8/28/2011	18:00:00	23.69
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8/28/2011	19:00:00	23.13
8/28/2011	19:10:00	23.04
8/28/2011	19:20:00	22.94
8/28/2011	19:30:00	22.85
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8/28/2011	20:50:00	22.03
8/28/2011	21:00:00	21.91
8/28/2011	21:10:00	21.82

Date	Time	Temp °C
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8/28/2011	21:30:00	21.64
8/28/2011	21:40:00	21.54
8/28/2011	21:50:00	21.46
8/28/2011	22:00:00	21.37
8/28/2011	22:10:00	21.27
8/28/2011	22:20:00	21.18
8/28/2011	22:30:00	21.09
8/28/2011	22:40:00	20.99
8/28/2011	22:50:00	20.91
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8/29/2011	0:00:00	20.32
8/29/2011	0:10:00	20.24
8/29/2011	0:20:00	20.15
8/29/2011	0:30:00	20.07
8/29/2011	0:40:00	20.00
8/29/2011	0:50:00	19.92
8/29/2011	1:00:00	19.83
8/29/2011	1:10:00	19.74
8/29/2011	1:20:00	19.67
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8/29/2011	2:00:00	19.34
8/29/2011	2:10:00	19.27
8/29/2011	2:20:00	19.20
8/29/2011	2:30:00	19.14
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8/29/2011	5:00:00	18.28
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8/29/2011	5:20:00	18.20
8/29/2011	5:30:00	18.14

Date	Time	Temp °C
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8/29/2011	8:00:00	17.68
8/29/2011	8:10:00	17.68
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8/29/2011	10:10:00	18.23
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8/29/2011	12:10:00	19.63
8/29/2011	12:20:00	19.88
8/29/2011	12:30:00	20.13
8/29/2011	12:40:00	20.36
8/29/2011	12:50:00	20.42
8/29/2011	13:00:00	20.35
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8/29/2011	13:40:00	18.58
8/29/2011	13:50:00	18.82

Date	Time	Temp °C
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8/29/2011	14:30:00	19.14
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8/29/2011	15:00:00	19.17
8/29/2011	15:10:00	19.14
8/29/2011	15:20:00	19.13
8/29/2011	15:30:00	19.14
8/29/2011	15:40:00	19.14
8/29/2011	15:50:00	19.24
8/29/2011	16:00:00	19.30
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8/29/2011	16:30:00	19.46
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8/29/2011	17:30:00	19.95
8/29/2011	17:40:00	20.02
8/29/2011	17:50:00	20.07
8/29/2011	18:00:00	20.10
8/29/2011	18:10:00	20.02
8/29/2011	18:20:00	19.96
8/29/2011	18:30:00	19.92
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8/29/2011	18:50:00	19.86
8/29/2011	19:00:00	19.81
8/29/2011	19:10:00	19.79
8/29/2011	19:20:00	19.79
8/29/2011	19:30:00	19.76
8/29/2011	19:40:00	19.73
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8/29/2011	20:00:00	19.57
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8/29/2011	20:30:00	19.33
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8/29/2011	21:50:00	18.94
8/29/2011	22:00:00	18.88
8/29/2011	22:10:00	18.84

Date	Time	Temp °C
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8/29/2011	22:40:00	18.72
8/29/2011	22:50:00	18.67
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8/29/2011	23:10:00	18.59
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8/29/2011	23:30:00	18.48
8/29/2011	23:40:00	18.43
8/29/2011	23:50:00	18.38
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8/30/2011	0:10:00	18.28
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8/30/2011	2:10:00	17.76
8/30/2011	2:20:00	17.71
8/30/2011	2:30:00	17.68
8/30/2011	2:40:00	17.64
8/30/2011	2:50:00	17.60
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8/30/2011	3:10:00	17.54
8/30/2011	3:20:00	17.49
8/30/2011	3:30:00	17.45
8/30/2011	3:40:00	17.41
8/30/2011	3:50:00	17.38
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8/30/2011	4:10:00	17.29
8/30/2011	4:20:00	17.24
8/30/2011	4:30:00	17.20
8/30/2011	4:40:00	17.14
8/30/2011	4:50:00	17.10
8/30/2011	5:00:00	17.04
8/30/2011	5:10:00	16.99
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8/30/2011	5:50:00	16.80
8/30/2011	6:00:00	16.76
8/30/2011	6:10:00	16.70
8/30/2011	6:20:00	16.66
8/30/2011	6:30:00	16.61

Date	Time	Temp °C
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8/30/2011	7:10:00	16.43
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8/30/2011	7:40:00	16.34
8/30/2011	7:50:00	16.31
8/30/2011	8:00:00	16.28
8/30/2011	8:10:00	16.28
8/30/2011	8:20:00	16.26
8/30/2011	8:30:00	16.25
8/30/2011	8:40:00	16.26
8/30/2011	8:50:00	16.28
8/30/2011	9:00:00	16.32
8/30/2011	9:10:00	16.43
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8/30/2011	11:20:00	18.26
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8/30/2011	12:40:00	19.91
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8/30/2011	14:00:00	21.76
8/30/2011	14:10:00	21.77
8/30/2011	14:20:00	21.73
8/30/2011	14:30:00	21.87
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8/30/2011	14:50:00	22.50

Date	Time	Temp °C
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8/30/2011	15:20:00	23.13
8/30/2011	15:30:00	23.33
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8/30/2011	15:50:00	23.89
8/30/2011	16:00:00	23.89
8/30/2011	16:10:00	23.89
8/30/2011	16:20:00	23.87
8/30/2011	16:30:00	23.89
8/30/2011	16:40:00	23.99
8/30/2011	16:50:00	24.20
8/30/2011	17:00:00	24.38
8/30/2011	17:10:00	24.43
8/30/2011	17:20:00	24.46
8/30/2011	17:30:00	24.51
8/30/2011	17:40:00	24.50
8/30/2011	17:50:00	24.53
8/30/2011	18:00:00	24.49
8/30/2011	18:10:00	24.44
8/30/2011	18:20:00	24.40
8/30/2011	18:30:00	24.34
8/30/2011	18:40:00	24.25
8/30/2011	18:50:00	24.20
8/30/2011	19:00:00	24.12
8/30/2011	19:10:00	24.08
8/30/2011	19:20:00	23.97
8/30/2011	19:30:00	23.86
8/30/2011	19:40:00	23.77
8/30/2011	19:50:00	23.64
8/30/2011	20:00:00	23.50
8/30/2011	20:10:00	23.35
8/30/2011	20:20:00	23.21
8/30/2011	20:30:00	23.04
8/30/2011	20:40:00	22.89
8/30/2011	20:50:00	22.73
8/30/2011	21:00:00	22.57
8/30/2011	21:10:00	22.41
8/30/2011	21:20:00	22.26
8/30/2011	21:30:00	22.10
8/30/2011	21:40:00	21.95
8/30/2011	21:50:00	21.80
8/30/2011	22:00:00	21.66
8/30/2011	22:10:00	21.51
8/30/2011	22:20:00	21.37
8/30/2011	22:30:00	21.22
8/30/2011	22:40:00	21.09
8/30/2011	22:50:00	20.96
8/30/2011	23:00:00	20.84
8/30/2011	23:10:00	20.72

Date	Time	Temp °C
8/30/2011	23:20:00	20.60
8/30/2011	23:30:00	20.49
8/30/2011	23:40:00	20.38
8/30/2011	23:50:00	20.25
8/31/2011	0:00:00	20.15
8/31/2011	0:10:00	20.05
8/31/2011	0:20:00	19.93
8/31/2011	0:30:00	19.83
8/31/2011	0:40:00	19.73
8/31/2011	0:50:00	19.62
8/31/2011	1:00:00	19.53
8/31/2011	1:10:00	19.42
8/31/2011	1:20:00	19.32
8/31/2011	1:30:00	19.25
8/31/2011	1:40:00	19.16
8/31/2011	1:50:00	19.06
8/31/2011	2:00:00	18.98
8/31/2011	2:10:00	18.90
8/31/2011	2:20:00	18.81
8/31/2011	2:30:00	18.73
8/31/2011	2:40:00	18.63
8/31/2011	2:50:00	18.55
8/31/2011	3:00:00	18.46
8/31/2011	3:10:00	18.39
8/31/2011	3:20:00	18.30
8/31/2011	3:30:00	18.22
8/31/2011	3:40:00	18.14
8/31/2011	3:50:00	18.07
8/31/2011	4:00:00	18.01
8/31/2011	4:10:00	17.94
8/31/2011	4:20:00	17.88
8/31/2011	4:30:00	17.82
8/31/2011	4:40:00	17.75
8/31/2011	4:50:00	17.70
8/31/2011	5:00:00	17.64
8/31/2011	5:10:00	17.58
8/31/2011	5:20:00	17.52
8/31/2011	5:30:00	17.46
8/31/2011	5:40:00	17.41
8/31/2011	5:50:00	17.36
8/31/2011	6:00:00	17.30
8/31/2011	6:10:00	17.25
8/31/2011	6:20:00	17.20
8/31/2011	6:30:00	17.15
8/31/2011	6:40:00	17.11
8/31/2011	6:50:00	17.06
8/31/2011	7:00:00	17.02
8/31/2011	7:10:00	16.99
8/31/2011	7:20:00	16.96
8/31/2011	7:30:00	16.94

Date	Time	Temp °C
8/31/2011	7:40:00	16.92
8/31/2011	7:50:00	16.90
8/31/2011	8:00:00	16.90
8/31/2011	8:10:00	16.89
8/31/2011	8:20:00	16.89
8/31/2011	8:30:00	16.89
8/31/2011	8:40:00	16.90
8/31/2011	8:50:00	16.95
8/31/2011	9:00:00	17.04
8/31/2011	9:10:00	17.18
8/31/2011	9:20:00	17.31
8/31/2011	9:30:00	17.40
8/31/2011	9:40:00	17.53
8/31/2011	9:50:00	17.66
8/31/2011	10:00:00	17.81
8/31/2011	10:10:00	17.97
8/31/2011	10:20:00	18.16
8/31/2011	10:30:00	18.34
8/31/2011	10:40:00	18.52
8/31/2011	10:50:00	18.65
8/31/2011	11:00:00	18.80
8/31/2011	11:10:00	18.98
8/31/2011	11:20:00	19.05
8/31/2011	11:30:00	19.26
8/31/2011	11:40:00	19.50
8/31/2011	11:50:00	19.72
8/31/2011	12:00:00	19.95
8/31/2011	12:10:00	20.14
8/31/2011	12:20:00	20.22
8/31/2011	12:30:00	20.42
8/31/2011	12:40:00	20.52
8/31/2011	12:50:00	20.57
8/31/2011	13:00:00	20.78
8/31/2011	13:10:00	21.01
8/31/2011	13:20:00	21.19
8/31/2011	13:30:00	21.41
8/31/2011	13:40:00	21.59
8/31/2011	13:50:00	21.72
8/31/2011	14:00:00	21.81
8/31/2011	14:10:00	21.95
8/31/2011	14:20:00	22.19
8/31/2011	14:30:00	22.44
8/31/2011	14:40:00	22.69
8/31/2011	14:50:00	22.96
8/31/2011	15:00:00	23.19
8/31/2011	15:10:00	23.34
8/31/2011	15:20:00	23.37
8/31/2011	15:30:00	23.41
8/31/2011	15:40:00	23.54
8/31/2011	15:50:00	23.61

Date	Time	Temp °C
8/31/2011	16:00:00	23.67
8/31/2011	16:10:00	23.73
8/31/2011	16:20:00	23.97
8/31/2011	16:30:00	24.05
8/31/2011	16:40:00	24.02
8/31/2011	16:50:00	24.24
8/31/2011	17:00:00	24.41
8/31/2011	17:10:00	24.34
8/31/2011	17:20:00	24.39
8/31/2011	17:30:00	24.48
8/31/2011	17:40:00	24.60
8/31/2011	17:50:00	24.56
8/31/2011	18:00:00	24.44
8/31/2011	18:10:00	24.42
8/31/2011	18:20:00	24.41
8/31/2011	18:30:00	24.34
8/31/2011	18:40:00	24.29
8/31/2011	18:50:00	24.26
8/31/2011	19:00:00	24.24
8/31/2011	19:10:00	24.20
8/31/2011	19:20:00	24.15
8/31/2011	19:30:00	24.09
8/31/2011	19:40:00	24.02
8/31/2011	19:50:00	23.92
8/31/2011	20:00:00	23.80
8/31/2011	20:10:00	23.70
8/31/2011	20:20:00	23.59
8/31/2011	20:30:00	23.47
8/31/2011	20:40:00	23.36
8/31/2011	20:50:00	23.25
8/31/2011	21:00:00	23.12
8/31/2011	21:10:00	23.00
8/31/2011	21:20:00	22.88
8/31/2011	21:30:00	22.76
8/31/2011	21:40:00	22.64
8/31/2011	21:50:00	22.52
8/31/2011	22:00:00	22.40
8/31/2011	22:10:00	22.28
8/31/2011	22:20:00	22.17
8/31/2011	22:30:00	22.06
8/31/2011	22:40:00	21.94
8/31/2011	22:50:00	21.82
8/31/2011	23:00:00	21.72
8/31/2011	23:10:00	21.61
8/31/2011	23:20:00	21.50
8/31/2011	23:30:00	21.40
8/31/2011	23:40:00	21.28
8/31/2011	23:50:00	21.17
9/1/2011	0:00:00	21.07
9/1/2011	0:10:00	20.96

TEMPERATURE ENHANCEMENT PLAN
SANG RUN TEMPERATURE EXCURSIONS

Deep Creek Hydroelectric Project
Youghiogheny River
Summary of Temperature Excursions
June 1, 2011 to August 31, 2011

Date	Duration	Max Temp (°C)	Cause	Remarks
July 3, 2011	2 hours 10 minutes	26.62	(1) Model Uncertainty	The protocol was conducted, and it called for a 1 hour release ASAP not later than 14:30. Both units ran full power for 1 hour from 14:00 -15:00.
July 6, 2011	1 hour 10 minutes	25.55	(1) Model Uncertainty	The protocol was conducted, and it called for a 1 hour release ASAP not later than 14:30. Both units ran full power for 4 hours from 14:00 - 18:00.
July 14, 2011	1 hour 50 minutes	26.14	(1) Model Uncertainty	The protocol was conducted, and it called for a 1 hour release not later than 15:30. Both units ran full power for 3 hours from 15:30 -16:30.
July 17, 2011 (first period)	10 minutes	25.14	(1) Model Uncertainty	The protocol was conducted and, it called for a 1 hour release at 12:30 PM. Both units ran full power for 3 hours from 12:30 -14:45.
July 17, 2011 (second period)	20 minutes	25.84	(1) Model Uncertainty	The protocol was conducted, and it called for a 1 hour release at 12:30 PM. Both units ran full power for 3 hours from 12:30 -14:45.
July 20, 2011	1 hour 40 minutes	25.95	(1) Model Uncertainty	The protocol was conducted, and called for a 2 hour release, starting at 12:30. Both units ran at full from 12:30 - 14:45.
July 21, 2011	10 minutes	25.03	(1) Model Uncertainty	The protocol was conducted, and it called for 2 hour release at 11:00. Both units ran 6 hours at full power from 11:00 - 17:00.
July 22, 2011	40 minutes	25.36	(1) Model Uncertainty	The protocol was conducted, and it called for a 2 hour release at 11:00. This release was covered by the normally scheduled whitewater release. Both units ran 5 hours and 15 minutes at full power from 11:00 - 16:15.
July 26, 2011	2 hours 10 minutes	27.29	(1) Model Uncertainty	The protocol was conducted, and it called for a 2 hour release at 12:30. Both units ran at full power from 12:43 - 14:48. The release was started 13 minutes late, but due to the duration and magnitude of the excursion, it is believed the 13 minute delay had little impact on mitigation.
Aug 4, 2011	1 hours 10 minutes	25.99	(1) Model Uncertainty	The protocol was conducted, and it called for a 2 hour release a 12:30 for 2 hours. Both units ran at full power for 2 hours from 12:30 -14:30.
Aug 10, 2011	Estimated 10 - 20 minutes	25.03	(1) Model Uncertainty	The protocol was conducted, and it did not call for a release.
Aug 16, 2011	2 hour 50 minutes	25.58	(1) Model Uncertainty	The protocol was conducted, and it did not call for a release.

TEMPERATURE ENHANCEMENT PLAN DAILY SHEETS

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

118 = CFS River Flow at Oakland

June 1, 2011

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	22.08 (23 to 26.4)	Check Again at 0900
0900	21.28 (23 to 25.9)	Check Again at 1100
1100	25.31 (23 to 25.4)	Check Again at 1200
1200	24.95 (23 to 25.3)	Check Again at 1400
1400	24.99 (23 to 25.2)	Check Again at 1500
1500	25.14	Release ASAP - not later than 1530 for 1 hour

[Print Info for file](#)

Tair °C	28.33	Air Temp, Elkins WV - Degree C	83	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	19.90	River Temp Sang Run @700		
T9	20.00	River Temp Sang Run @900		
T11	21.30	River Temp Sang Run @1100		
T12	21.80	River Temp Sang Run @1200		
T14	23.30	River Temp Sang Run @1400		
T15	24.10	River Temp Sang Run @1500		
Q	118.00	River Flow at Oakland		

Note: We cannot provide the TEMP release today as Deep Creek station is offline due to work on the transmission line. This work was considered "Emergency" work to restore issues on the line.



6-1-11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

98

= CFS River Flow at Oakland

June 2, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	22.41 (23 to 26.4)	Check Again at 0900
0900	22.49 (23 to 25.9)	Check Again at 1100
1100	23.58 (23 to 25.4)	Check Again at 1200
1200	23.68 (23 to 25.3)	Check Again at 1400
1400	24.02 (23 to 25.2)	Check Again at 1500
1500	24.13	Check Again Tomorrow at 0700

Tair °C	26.11	Air Temp, Elkins WV - Degree C	79	Air Temp, Elkins WV - Degree F
CCF	1	Cloud Cover Factor, Elkins WV	SUNNY	Cloud Cover, Elkins WV
T7	17.20	River Temp Sang Run @700		
T9	17.40	River Temp Sang Run @900		
T11	18.20	River Temp Sang Run @1100		
T12	19.20	River Temp Sang Run @1200		
T14	21.60	River Temp Sang Run @1400		
T15	22.60	River Temp Sang Run @1500		
Q	98.00	River Flow at Oakland		

R. McKenna 6/02/2011

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

80

= CFS River Flow at Oakland

June 3, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	22.50 (23 to 26.4)	Check Again at 0900
0900	22.22 (23 to 25.9)	Check Again at 1100
1100	23.42 (23 to 25.4)	Check Again at 1200
1200	23.22 (23 to 25.3)	Check Again at 1400
1400	17.85 (23 to 25.2)	Check Again at 1500
1500	17.59	Check Again Tomorrow at 0700

Tair °C	26.67	Air Temp, Elkins WV - Degree C	80	Air Temp, Elkins WV - Degree F
CCF	1	Cloud Cover Factor, Elkins WV	SUNNY	Cloud Cover, Elkins WV
T7	14.80	River Temp Sang Run @700		
T9	14.90	River Temp Sang Run @900		
T11	16.50	River Temp Sang Run @1100		
T12	17.60	River Temp Sang Run @1200		
T14	16.30	River Temp Sang Run @1400		
T15	16.40	River Temp Sang Run @1500		
Q	80.00	River Flow at Oakland		

R. McKenna 6/03/2011

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

68

= CFS River Flow at Oakland

June 4, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.19 (23 to 26.4)	Check Again at 0900
0900	22.97 (23 to 25.9)	Check Again at 1100
1100	23.54 (23 to 25.4)	Check Again at 1200
1200	23.56 (23 to 25.3)	Check Again at 1400
1400	17.71 (23 to 25.2)	Check Again at 1500
1500	17.70	Check Again Tomorrow at 0700

Tair °C	27.78	Air Temp, Elkins WV - Degree C	82 MOSUNNY	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	14.80	River Temp Sang Run @700		
T9	15.00	River Temp Sang Run @900		
T11	16.50	River Temp Sang Run @1100		
T12	17.80	River Temp Sang Run @1200		
T14	16.20	River Temp Sang Run @1400		
T15	16.50	River Temp Sang Run @1500		
Q	68.00	River Flow at Oakland		

R. McLean 6/04/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

70

= CFS River Flow at Oakland

June 5, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	19.78 (23 to 26.4)	No Further Predictions Necessary Today
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	17.22	Air Temp, Elkins WV - Degree C	63	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	MOCLDY	Cloud Cover, Elkins WV
T7	18.10	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	70.00	River Flow at Oakland		

Q mckenna 6/05/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

90

= CFS River Flow at Oakland

June 6, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.32 (23 to 26.4)	Check Again at 0900
0900	23.49 (23 to 25.9)	Check Again at 1100
1100	24.96 (23 to 25.4)	Check Again at 1200
1200	24.64 (23 to 25.3)	Check Again at 1400
1400	17.60 (23 to 25.2)	Check Again at 1500
1500	17.37	Check Again Tomorrow at 0700

Tair °C	26.67	Air Temp, Elkins WV - Degree C	80	Air Temp, Elkins WV - Degree F
CCF	1	Cloud Cover Factor, Elkins WV	SUNNY	Cloud Cover, Elkins WV
T7	18.40	River Temp Sang Run @700		
T9	18.60	River Temp Sang Run @900		
T11	19.80	River Temp Sang Run @1100		
T12	20.50	River Temp Sang Run @1200		
T14	17.40	River Temp Sang Run @1400		
T15	17.00	River Temp Sang Run @1500		
Q	90.00	River Flow at Oakland		

R. metcalf 6/06/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

64

= CFS River Flow at Oakland

June 7, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.02 (23 to 26.4)	Check Again at 0900
0900	24.96 (23 to 25.9)	Check Again at 1100
1100	23.99 (23 to 25.4)	Check Again at 1200
1200	23.24 (23 to 25.3)	Check Again at 1400
1400	20.94 (23 to 25.2)	Check Again at 1500
1500	20.25	Check Again Tomorrow at 0700

Tair °C	30.00	Air Temp, Elkins WV - Degree C	86	Air Temp, Elkins WV - Degree F
CCF	1	Cloud Cover Factor, Elkins WV	SUNNY	Cloud Cover, Elkins WV
T7	17.20	River Temp Sang Run @700		
T9	17.40	River Temp Sang Run @900		
T11	17.80	River Temp Sang Run @1100		
T12	18.00	River Temp Sang Run @1200		
T14	18.50	River Temp Sang Run @1400		
T15	18.70	River Temp Sang Run @1500		
Q	64.00	River Flow at Oakland		

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

58

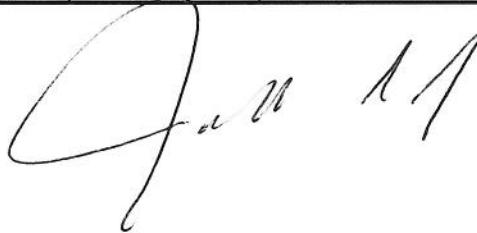
= CFS River Flow at Oakland

June 8, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.63 (23 to 26.4)	Check Again at 0900
0900	25.82 (23 to 25.9)	Check Again at 1100
1100	25.96 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	31.67	Air Temp, Elkins WV - Degree C	89	Air Temp, Elkins WV - Degree F
CCF	1	Cloud Cover Factor, Elkins WV	SUNNY	Cloud Cover, Elkins WV
T7	16.70	River Temp Sang Run @700		
T9	17.20	River Temp Sang Run @900		
T11	18.80	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	58.00	River Flow at Oakland		



6-8-11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

52

= CFS River Flow at Oakland

June 9, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.53 (23 to 26.4)	Check Again at 0900
0900	24.67 (23 to 25.9)	Check Again at 1100
1100	26.29 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	--	--
1500	--	--

Tair °C	31.67	Air Temp, Elkins WV - Degree C	89	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	18.30	River Temp Sang Run @700		
T9	18.80	River Temp Sang Run @900		
T11	20.70	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	52.00	River Flow at Oakland		

- Deep Creek was brought online @ 1100 hrs per the schedule. Will continue to run until 5:00 pm today.



6-9-11

VSGS not updating - value from 6/9/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

52

= CFS River Flow at Oakland

Simulate a Ra

June 10, 2011

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.71 (23 to 26.4)	Check Again at 0900
0900	24.09 (23 to 25.9)	Check Again at 1100
1100	26.05 (23 to 25.4)	Release at 1230 for 2 Hours <i>1L</i>
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	28.89	Air Temp, Elkins WV - Degree C	84 TSTRMS	Air Temp, Elkins WV - Degree F Cloud Cover, Elkins WV
CCF	100	Cloud Cover Factor, Elkins WV		
T7	18.50	River Temp Sang Run @700		
T9	19.10	River Temp Sang Run @900		
T11	21.20	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	52.00	River Flow at Oakland		

→ WMR today from 1100-1400 hrs

→ The WMR will satisfy the TEMP run required for today.

- Jon H.A.

6-10-11

THIS VALUE IS FROM 1800 6/10/11
USGS HAS BEEN INFORMED GRANGE NOT UPDATING

YOUNGHOGENE RIVER WATER TEMPERATURE ENHANCEMENT PLAN

156

= CFS River Flow at Oakland

June 11, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.29 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS ✓
0900	20.93 (23 to 25.9)	--
1100	25.19 (23 to 25.4)	--
1200	25.93 (23 to 25.3)	--
1400	--	--
1500	--	--

Tair °C	29.44	Air Temp, Elkins WV - Degree C	85 SHWRS	Air Temp, Elkins WV - Degree F Cloud Cover, Elkins WV
CCF	64	Cloud Cover Factor, Elkins WV		
T7	20.40	River Temp Sang Run @700		
T9	20.40	River Temp Sang Run @900		
T11	21.00	River Temp Sang Run @1100		
T12	22.40	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	156.00	River Flow at Oakland		

R. McKenna 6/11/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

118 = CFS River Flow at Oakland

June 12, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	22.12 (23 to 26.4)	Check Again at 0900
0900	21.37 (23 to 25.9)	Check Again at 1100
1100	24.76 (23 to 25.4)	Check Again at 1200
1200	24.51 (23 to 25.3)	Check Again at 1400
1400	24.07 (23 to 25.2)	Check Again at 1500
1500	24.07	Check Again Tomorrow at 0700

Tair °C	26.11	Air Temp, Elkins WV - Degree C	79	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	20.10	River Temp Sang Run @700		
T9	20.10	River Temp Sang Run @900		
T11	21.10	River Temp Sang Run @1100		
T12	21.60	River Temp Sang Run @1200		
T14	22.70	River Temp Sang Run @1400		
T15	23.20	River Temp Sang Run @1500		
Q	118.00	River Flow at Oakland		



John Esh 6/12/2011

R. McKenna 6/12/11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

78

= CFS River Flow at Oakland

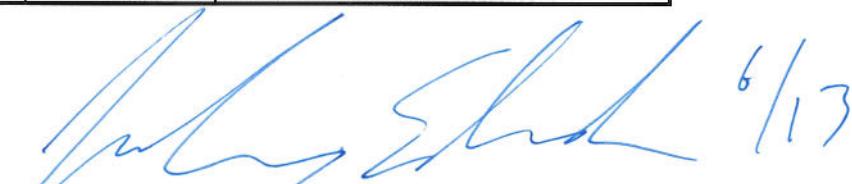
June 13, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.98 (23 to 26.4)	Check Again at 0900
0900	21.75 (23 to 25.9)	Check Again at 1100
1100	22.88 (23 to 25.4)	Check Again at 1200
1200	22.63 (23 to 25.3)	Check Again at 1400
1400	16.90 (23 to 25.2)	Check Again at 1500
1500	17.25	Check Again Tomorrow at 0700

Tair °C	22.22	Air Temp, Elkins WV - Degree C	72	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	17.70	River Temp Sang Run @700		
T9	17.50	River Temp Sang Run @900		
T11	18.50	River Temp Sang Run @1100		
T12	19.10	River Temp Sang Run @1200		
T14	16.60	River Temp Sang Run @1400		
T15	16.70	River Temp Sang Run @1500		
Q	78.00	River Flow at Oakland		





YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

58

= CFS River Flow at Oakland

June 14, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	20.77 (23 to 26.4)	Check Again at 0900
0900	20.79 (23 to 25.9)	Check Again at 1100
1100	21.12 (23 to 25.4)	Check Again at 1200
1200	20.99 (23 to 25.3)	Check Again at 1400
1400	20.80 (23 to 25.2)	Check Again at 1500
1500	21.08	Check Again Tomorrow at 0700

Tair °C	21.11	Air Temp, Elkins WV - Degree C	70	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	15.90	River Temp Sang Run @700		
T9	16.10	River Temp Sang Run @900		
T11	17.00	River Temp Sang Run @1100		
T12	17.60	River Temp Sang Run @1200		
T14	18.90	River Temp Sang Run @1400		
T15	19.70	River Temp Sang Run @1500		
Q	58.00	River Flow at Oakland		



6/14
14 Jun 2011

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

50

= CFS River Flow at Oakland

June 15, 2011

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	22.51 (23 to 26.4)	Check Again at 0900
0900	23.08 (23 to 25.9)	Check Again at 1100
1100	22.92 (23 to 25.4)	Check Again at 1200
1200	22.24 (23 to 25.3)	Check Again at 1400
1400	23.82 (23 to 25.2)	Check Again at 1500
1500	23.44	Check Again Tomorrow at 0700

[Print Info for file](#)

Tair °C	23.33	Air Temp, Elkins WV - Degree C	74	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	14.90	River Temp Sang Run @700		
T9	15.60	River Temp Sang Run @900		
T11	17.20	River Temp Sang Run @1100		
T12	17.70	River Temp Sang Run @1200		
T14	21.00	River Temp Sang Run @1400		
T15	21.70	River Temp Sang Run @1500		
Q	50.00	River Flow at Oakland		

R. McNamee 6/15/11

J. Shultz

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

41

= CFS River Flow at Oakland

June 16, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.22 (23 to 26.4)	Check Again at 0900
0900	21.65 (23 to 25.9)	Check Again at 1100
1100	22.13 (23 to 25.4)	Check Again at 1200
1200	21.37 (23 to 25.3)	Check Again at 1400
1400	21.58 (23 to 25.2)	Check Again at 1500
1500	22.40	Check Again Tomorrow at 0700

Tair °C	22.22	Air Temp, Elkins WV - Degree C	72	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	16.20	River Temp Sang Run @700		
T9	16.80	River Temp Sang Run @900		
T11	18.20	River Temp Sang Run @1100		
T12	18.30	River Temp Sang Run @1200		
T14	19.70	River Temp Sang Run @1400		
T15	21.00	River Temp Sang Run @1500		
Q	41.00	River Flow at Oakland		

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

60

= CFS River Flow at Oakland

June 17, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.50 (23 to 26.4)	Check Again at 0900
0900	21.43 (23 to 25.9)	Check Again at 1100
1100	23.01 (23 to 25.4)	Check Again at 1200
1200	21.73 (23 to 25.3)	Check Again at 1400
1400	17.48 (23 to 25.2)	Check Again at 1500
1500	17.82	Check Again Tomorrow at 0700 <i>BJS</i>

Tair °C	25.56	Air Temp, Elkins WV - Degree C	78	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	16.10	River Temp Sang Run @700		
T9	16.40	River Temp Sang Run @900		
T11	18.00	River Temp Sang Run @1100		
T12	17.80	River Temp Sang Run @1200		
T14	16.20	River Temp Sang Run @1400		
T15	16.70	River Temp Sang Run @1500		
Q	60.00	River Flow at Oakland		

6-17-11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

103

= CFS River Flow at Oakland

June 18, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	20.77 (23 to 26.4)	Check Again at 0900
0900	20.30 (23 to 25.9)	Check Again at 1100
1100	23.12 (23 to 25.4)	Check Again at 1200
1200	21.54 (23 to 25.3)	Check Again at 1400
1400	17.67 (23 to 25.2)	Check Again at 1500
1500	17.16	Check Again Tomorrow at 0700

Tair °C	26.67	Air Temp, Elkins WV - Degree C	80 TSTRMS	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	17.60	River Temp Sang Run @700		
T9	17.60	River Temp Sang Run @900		
T11	18.60	River Temp Sang Run @1100		
T12	17.90	River Temp Sang Run @1200		
T14	16.30	River Temp Sang Run @1400		
T15	16.10	River Temp Sang Run @1500		
Q	103.00	River Flow at Oakland		

6-18-11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

362 = CFS River Flow at Oakland

June 19, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	20.36 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	-- (23 to 25.2)	--

Tair °C	24.44	Air Temp, Elkins WV - Degree C	76 SHWRS	Air Temp, Elkins WV - Degree F Cloud Cover, Elkins WV
CCF	64	Cloud Cover Factor, Elkins WV		
T7	16.50	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	362.00	River Flow at Oakland		

J. M. 6-19-11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

557

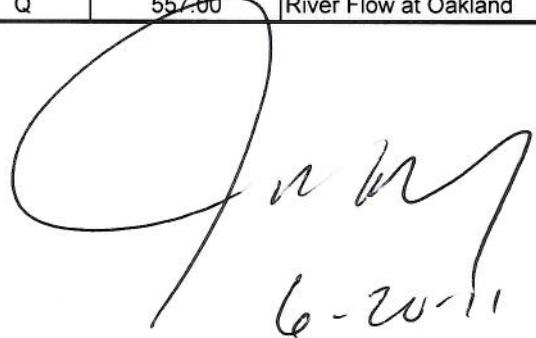
= CFS River Flow at Oakland

June 20, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	20.37 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	25.56	Air Temp, Elkins WV - Degree C	78 TSTRMS	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	17.50	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	557.00	River Flow at Oakland		




Jim
6-20-11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

532

= CFS River Flow at Oakland

June 21, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.59 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	29.44	Air Temp, Elkins WV - Degree C	85 TSTRMS	Air Temp, Elkins WV - Degree F Cloud Cover, Elkins WV
CCF	100	Cloud Cover Factor, Elkins WV		
T7	17.40	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	532.00	River Flow at Oakland		




YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

284

= CFS River Flow at Oakland

June 22, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.93 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	-- (23 to 25.2)	--

Tair °C	27.22	Air Temp, Elkins WV - Degree C	81	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	18.50	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	284.00	River Flow at Oakland		

Ruekem 6/22/11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

204

= CFS River Flow at Oakland

June 23, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.59 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	27.22	Air Temp, Elkins WV - Degree C	81 TSTRMS	Air Temp, Elkins WV - Degree F Cloud Cover, Elkins WV
CCF	100	Cloud Cover Factor, Elkins WV		
T7	19.50	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	204.00	River Flow at Oakland		

R-Mckee 6/23/11

YOUNGHOGENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

162 = CFS River Flow at Oakland

June 24, 2011

Simulate a Ran

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	20.50 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	22.78	Air Temp, Elkins WV - Degree C	73	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	18.50	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	162.00	River Flow at Oakland		

Randall 6/24/11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

133

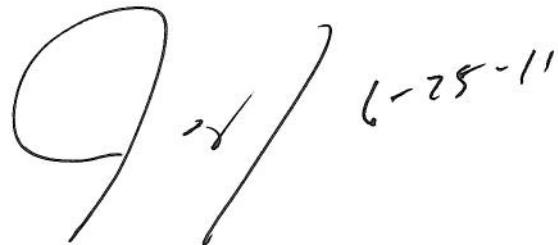
= CFS River Flow at Oakland

June 25, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	19.53 (23 to 26.4)	No Further Predictions Necessary Today 
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	-- (23 to 25.2)	--

Tair °C	21.11	Air Temp, Elkins WV - Degree C	70	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	17.20	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	133.00	River Flow at Oakland		



6-25-11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

109

= CFS River Flow at Oakland

June 26, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.05 (23 to 26.4)	Check Again at 0900
0900	20.60 (23 to 25.9)	Check Again at 1100
1100	22.78 (23 to 25.4)	Check Again at 1200
1200	22.70 (23 to 25.3)	Check Again at 1400
1400	21.37 (23 to 25.2)	Check Again at 1500
1500	20.57	Check Again Tomorrow at 0700

Tair °C	25.56	Air Temp, Elkins WV - Degree C	78	Air Temp, Elkins WV - Degree F
CCF	36	Cloud Cover Factor, Elkins WV	HAZE	Cloud Cover, Elkins WV
T7	15.90	River Temp Sang Run @700		
T9	16.10	River Temp Sang Run @900		
T11	17.20	River Temp Sang Run @1100		
T12	18.10	River Temp Sang Run @1200		
T14	19.20	River Temp Sang Run @1400		
T15	19.20	River Temp Sang Run @1500		
Q	109.00	River Flow at Oakland		



6-26-11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

93

= CFS River Flow at Oakland

June 27, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.46 (23 to 26.4)	Check Again at 0900
0900	21.48 (23 to 25.9)	Check Again at 1100
1100	23.06 (23 to 25.4)	Check Again at 1200
1200	22.69 (23 to 25.3)	Check Again at 1400
1400	17.45 (23 to 25.2)	Check Again at 1500
1500	17.65	Check Again Tomorrow at 0700 <i>J</i>

Tair °C	26.67	Air Temp, Elkins WV - Degree C	80	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	16.80	River Temp Sang Run @700		
T9	17.10	River Temp Sang Run @900		
T11	18.00	River Temp Sang Run @1100		
T12	18.50	River Temp Sang Run @1200		
T14	16.40	River Temp Sang Run @1400		
T15	16.70	River Temp Sang Run @1500		
Q	93.00	River Flow at Oakland		


6-27-11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

109

= CFS River Flow at Oakland

June 28, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.45 (23 to 26.4)	Check Again at 0900
0900	21.18 (23 to 25.9)	Check Again at 1100
1100	23.65 (23 to 25.4)	Check Again at 1200
1200	23.70 (23 to 25.3)	Check Again at 1400
1400	23.72 (23 to 25.2)	Check Again at 1500
1500	23.18	Check Again Tomorrow at 0700 <i>J</i>

Tair °C	26.67	Air Temp, Elkins WV - Degree C	80	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	17.60	River Temp Sang Run @700		
T9	17.90	River Temp Sang Run @900		
T11	18.90	River Temp Sang Run @1100		
T12	19.80	River Temp Sang Run @1200		
T14	21.60	River Temp Sang Run @1400		
T15	21.90	River Temp Sang Run @1500		
Q	109.00	River Flow at Oakland		


6-28-11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

136

= CFS River Flow at Oakland

June 29, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	22.41 (23 to 26.4)	Check Again at 0900
0900	20.73 (23 to 25.9)	Check Again at 1100
1100	23.68 (23 to 25.4)	Check Again at 1200
1200	23.67 (23 to 25.3)	Check Again at 1400
1400	24.36 (23 to 25.2)	Check Again at 1500
1500	24.69	Check Again Tomorrow at 0700

Tair °C	25.00	Air Temp, Elkins WV - Degree C	77	Air Temp, Elkins WV - Degree F
CCF	1	Cloud Cover Factor, Elkins WV	SUNNY	Cloud Cover, Elkins WV
T7	18.50	River Temp Sang Run @700		
T9	18.30	River Temp Sang Run @900		
T11	19.00	River Temp Sang Run @1100		
T12	19.80	River Temp Sang Run @1200		
T14	22.20	River Temp Sang Run @1400		
T15	23.30	River Temp Sang Run @1500		
Q	136.00	River Flow at Oakland		

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

85

= CFS River Flow at Oakland

June 30, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	22.72 (23 to 26.4)	Check Again at 0900
0900	22.57 (23 to 25.9)	Check Again at 1100
1100	23.70 (23 to 25.4)	Check Again at 1200
1200	23.80 (23 to 25.3)	Check Again at 1400
1400	25.26 (23 to 25.2)	Release ASAP - not later than 1430 for 1 hour <i>RSM</i>
1500	--	--

Tair °C	25.56	Air Temp, Elkins WV - Degree C	78	Air Temp, Elkins WV - Degree F
CCF	1	Cloud Cover Factor, Elkins WV	SUNNY	Cloud Cover, Elkins WV
T7	17.10	River Temp Sang Run @700		
T9	17.10	River Temp Sang Run @900		
T11	18.20	River Temp Sang Run @1100		
T12	19.30	River Temp Sang Run @1200		
T14	22.60	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	85.00	River Flow at Oakland		

R. McKenna 6/30/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

68

= CFS River Flow at Oakland

July 1, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.23 (23 to 26.4)	Check Again at 0900
0900	23.83 (23 to 25.9)	Check Again at 1100
1100	25.19 (23 to 25.4)	Check Again at 1200
1200	25.06 (23 to 25.3)	Check Again at 1400
1400	19.14 (23 to 25.2)	Check Again at 1500
1500	18.92	Check Again Tomorrow at 0700

Tair °C	28.33	Air Temp, Elkins WV - Degree C	83	Air Temp, Elkins WV - Degree F
CCF	1	Cloud Cover Factor, Elkins WV	SUNNY	Cloud Cover, Elkins WV
T7	16.90	River Temp Sang Run @700		
T9	16.80	River Temp Sang Run @900		
T11	18.60	River Temp Sang Run @1100		
T12	19.80	River Temp Sang Run @1200		
T14	18.10	River Temp Sang Run @1400		
T15	18.10	River Temp Sang Run @1500		
Q	68.00	River Flow at Oakland		

R. McKee 7/10/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

58

= CFS River Flow at Oakland

July 2, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.11 (23 to 26.4)	Check Again at 0900
0900	24.79 (23 to 25.9)	Check Again at 1100
1100	25.33 (23 to 25.4)	Check Again at 1200
1200	25.06 (23 to 25.3)	Check Again at 1400
1400	18.97 (23 to 25.2)	Check Again at 1500
1500	18.70	Check Again Tomorrow at 0700

Tair °C	30.00	Air Temp, Elkins WV - Degree C	86 MOSUNNY	Air Temp, Elkins WV - Degree F Cloud Cover, Elkins WV
CCF	9	Cloud Cover Factor, Elkins WV		
T7	17.20	River Temp Sang Run @700		
T9	17.20	River Temp Sang Run @900		
T11	18.70	River Temp Sang Run @1100		
T12	19.70	River Temp Sang Run @1200		
T14	17.80	River Temp Sang Run @1400		
T15	17.80	River Temp Sang Run @1500		
Q	58.00	River Flow at Oakland		

R.mckee 7/02/14

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

52

= CFS River Flow at Oakland

July 3, 2011

[Simulate a Run](#)

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.44 (23 to 26.4)	Check Again at 0900
0900	23.35 (23 to 25.9)	Check Again at 1100
1100	25.39 (23 to 25.4)	Check Again at 1200
1200	24.98 (23 to 25.3)	Check Again at 1400
1400	26.91 (23 to 25.2)	Release ASAP - not later than 1430 for 1 hour ↗
1500	--	--

Tair °C	27.22	Air Temp, Elkins WV - Degree C	81 TSTRMS	Air Temp, Elkins WV - Degree F Cloud Cover, Elkins WV
CCF	100	Cloud Cover Factor, Elkins WV		
T7	19.30	River Temp Sang Run @700		
T9	19.40	River Temp Sang Run @900		
T11	21.20	River Temp Sang Run @1100		
T12	21.80	River Temp Sang Run @1200		
T14	24.80	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	52.00	River Flow at Oakland		

Qmckem 7/03/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

260

= CFS River Flow at Oakland

July 4, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.49 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

B3SS

Tair °C	27.22	Air Temp, Elkins WV - Degree C	81	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	19.20	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	260.00	River Flow at Oakland		

R. McKee 7/04/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

256

= CFS River Flow at Oakland

July 5, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.33 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	27.78	Air Temp, Elkins WV - Degree C	82	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	19.00	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	256.00	River Flow at Oakland		



7/5/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

109 = CFS River Flow at Oakland

July 6, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.89 (23 to 26.4)	Check Again at 0900
0900	21.87 (23 to 25.9)	Check Again at 1100
1100	24.95 (23 to 25.4)	Check Again at 1200
1200	24.54 (23 to 25.3)	Check Again at 1400
1400	25.67 (23 to 25.2)	Release ASAP - not later than 1430 for 1 hour
1500	--	--

Release started
1400 for 4 hrs
Start

Tair °C	23.33	Air Temp, Elkins WV - Degree C	74	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	19.00	River Temp Sang Run @700		
T9	19.20	River Temp Sang Run @900		
T11	20.80	River Temp Sang Run @1100		
T12	21.40	River Temp Sang Run @1200		
T14	24.00	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	109.00	River Flow at Oakland		



Jim C. Brown 7/6/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

80

= CFS River Flow at Oakland

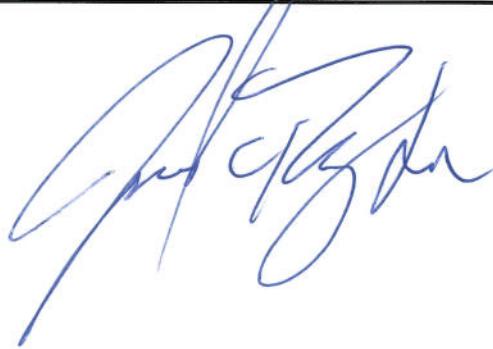
July 7, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.37 (23 to 26.4)	Check Again at 0900
0900	25.70 (23 to 25.9)	Check Again at 1100
1100	26.57 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	31.11	Air Temp, Elkins WV - Degree C	88 MOSUNNY	Air Temp, Elkins WV - Degree F Cloud Cover, Elkins WV
CCF	9	Cloud Cover Factor, Elkins WV		
T7	19.50	River Temp Sang Run @700		
T9	19.90	River Temp Sang Run @900		
T11	21.00	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	80.00	River Flow at Oakland		



John C. Johnson 7-7-11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

64

= CFS River Flow at Oakland

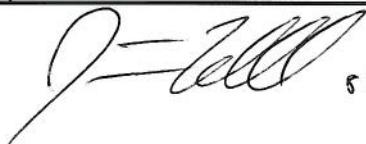
July 8, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.12 (23 to 26.4)	Check Again at 0900
0900	22.90 (23 to 25.9)	Check Again at 1100
1100	23.62 (23 to 25.4)	Check Again at 1200
1200	23.34 (23 to 25.3)	Check Again at 1400
1400	16.53 (23 to 25.2)	Check Again at 1500
1500	16.85	Check Again Tomorrow at 0700

Tair °C	26.67	Air Temp, Elkins WV - Degree C	80	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	20.30	River Temp Sang Run @700		
T9	20.20	River Temp Sang Run @900		
T11	20.50	River Temp Sang Run @1100		
T12	20.70	River Temp Sang Run @1200		
T14	16.70	River Temp Sang Run @1400		
T15	16.60	River Temp Sang Run @1500		
Q	64.00	River Flow at Oakland		



Jim Bell
July 8, 2011

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

Simulate a Ra

156 = CFS River Flow at Oakland

July 9, 2011

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	-- (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	28.89	Air Temp, Elkins WV - Degree C	 7/09/11	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	No Data	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	156.00	River Flow at Oakland		

84
MOSUNNY

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

75

= CFS River Flow at Oakland

July 10, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.06 (23 to 26.4)	Check Again at 0900
0900	25.86 (23 to 25.9)	Check Again at 1100
1100	26.14 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	31.11	Air Temp, Elkins WV - Degree C	88	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	18.00	River Temp Sang Run @700		
T9	18.90	River Temp Sang Run @900		
T11	20.10	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	75.00	River Flow at Oakland		

R. McKee 7/10/11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

56

= CFS River Flow at Oakland

July 11, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	26.36 (23 to 26.4)	Check Again at 0900
0900	26.46 (23 to 25.9)	Release at 1100 for 2 Hours
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	31.11	Air Temp, Elkins WV - Degree C	88	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	19.60	River Temp Sang Run @700		
T9	19.80	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	56.00	River Flow at Oakland		

R. McLean 7/11/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

58 = CFS River Flow at Oakland

July 12, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	26.29 (23 to 26.4)	Check Again at 0900
0900	26.52 (23 to 25.9)	Release at 1100 for 2 Hours
1100	26.58 (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	31.67	Air Temp, Elkins WV - Degree C	89	Air Temp, Elkins WV - Degree F
CCF	36	Cloud Cover Factor, Elkins WV	PTSUNY	Cloud Cover, Elkins WV
T7	20.60	River Temp Sang Run @700		
T9	20.90	River Temp Sang Run @900		
T11	21.70	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	58.00	River Flow at Oakland		

R. McKenna 7/12/11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

60

= CFS River Flow at Oakland

July 13, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.17 (23 to 26.4)	Check Again at 0900
0900	24.38 (23 to 25.9)	Check Again at 1100
1100	26.57 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	27.22	Air Temp, Elkins WV - Degree C	81 SHWRS	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	20.40	River Temp Sang Run @700		
T9	20.60	River Temp Sang Run @900		
T11	22.50	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	60.00	River Flow at Oakland		

R. McKenna 7/13/11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

52

= CFS River Flow at Oakland

July 14, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.12 (23 to 26.4)	Check Again at 0900
0900	24.26 (23 to 25.9)	Check Again at 1100
1100	24.35 (23 to 25.4)	Check Again at 1200
1200	24.52 (23 to 25.3)	Check Again at 1400
1400	24.92 (23 to 25.2)	Check Again at 1500
1500	25.95	Release ASAP - not later than 1530 for 1 hour

online @ 1521
start

Tair °C	24.44	Air Temp, Elkins WV - Degree C	76	Air Temp, Elkins WV - Degree F
CCF	1	Cloud Cover Factor, Elkins WV	SUNNY	Cloud Cover, Elkins WV
T7	18.40	River Temp Sang Run @700		
T9	18.50	River Temp Sang Run @900		
T11	19.70	River Temp Sang Run @1100		
T12	20.80	River Temp Sang Run @1200		
T14	23.10	River Temp Sang Run @1400		
T15	24.70	River Temp Sang Run @1500		
Q	52.00	River Flow at Oakland		

Tyler Rvn @ 15:21 +
(19MW) 16:21

Jay C. Johnson 7-14-11

Y

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

45

= CFS River Flow at Oakland

July 15, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.86 (23 to 26.4)	Check Again at 0900
0900	24.54 (23 to 25.9)	Check Again at 1100
1100	25.06 (23 to 25.4)	Check Again at 1200
1200	25.05 (23 to 25.3)	Check Again at 1400
1400	-- (23 to 25.2)	Input 1400 SANG RUN Temp
1500	--	Input 1400 SANG RUN Temp

WWR
covers TEP
-Stu

Tair °C	25.56	Air Temp, Elkins WV - Degree C	78	Air Temp, Elkins WV - Degree F
CCF	36	Cloud Cover Factor, Elkins WV	PTSUNY	Cloud Cover, Elkins WV
T7	17.70	River Temp Sang Run @700		
T9	18.40	River Temp Sang Run @900		
T11	20.20	River Temp Sang Run @1100		
T12	21.30	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	45.00	River Flow at Oakland		

 7-15-11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

36

= CFS River Flow at Oakland

July 16, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.29 (23 to 26.4)	Check Again at 0900
0900	24.63 (23 to 25.9)	Check Again at 1100
1100	24.77 (23 to 25.4)	Check Again at 1200
1200	-- (23 to 25.3)	Input 1200 SANG RUN Temp
1400	-- (23 to 25.2)	Input 1200 SANG RUN Temp
1500	--	Input 1200 SANG RUN Temp

} WWR
covers
TEC
Shah

Tair °C	27.22	Air Temp, Elkins WV - Degree C	81	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	17.90	River Temp Sang Run @700		
T9	18.40	River Temp Sang Run @900		
T11	19.90	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	36.00	River Flow at Oakland		

Jack B. - 7-16-11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

32

= CFS River Flow at Oakland

July 17, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.25 (23 to 26.4)	Check Again at 0900
0900	24.26 (23 to 25.9)	Check Again at 1100
1100	26.09 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	25.56	Air Temp, Elkins WV - Degree C	78	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	18.90	River Temp Sang Run @700		
T9	19.00	River Temp Sang Run @900		
T11	21.50	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	32.00	River Flow at Oakland		



7-17-11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

29

= CFS River Flow at Oakland

July 18, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.93 (23 to 26.4)	Check Again at 0900
0900	26.05 (23 to 25.9)	Release at 1100 for 2 Hours
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	28.33	Air Temp, Elkins WV - Degree C	83	Air Temp, Elkins WV - Degree F
CCF	36	Cloud Cover Factor, Elkins WV	PTSUNY	Cloud Cover, Elkins WV
T7	19.40	River Temp Sang Run @700		
T9	19.60	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	29.00	River Flow at Oakland		

7-18-11

3hr

whitewater release scheduled

Whitewater release satisfies temp run.

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

29

= CFS River Flow at Oakland

July 19, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.58 (23 to 26.4)	Check Again at 0900
0900	25.67 (23 to 25.9)	Check Again at 1100
1100	25.65 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	29.44	Air Temp, Elkins WV - Degree C	85 TSTRMS	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	20.90	River Temp Sang Run @700		
T9	21.10	River Temp Sang Run @900		
T11	22.00	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	29.00	River Flow at Oakland		

 19 Jul 2011

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

36

= CFS River Flow at Oakland

July 20, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.16 (23 to 26.4)	Check Again at 0900
0900	25.63 (23 to 25.9)	Check Again at 1100
1100	25.82 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	28.89	Air Temp, Elkins WV - Degree C	84	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	20.90	River Temp Sang Run @700		
T9	21.40	River Temp Sang Run @900		
T11	22.40	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	36.00	River Flow at Oakland		

J=200
20 July 2011

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

29

= CFS River Flow at Oakland

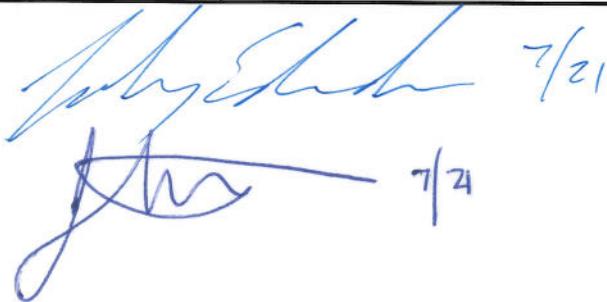
July 21, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	28.39 (23 to 26.4)	Release at 1100 for 2 Hours
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	33.33	Air Temp, Elkins WV - Degree C	92	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	20.40	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	29.00	River Flow at Oakland		



John Shaffer 7/21



7/21

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

25

= CFS River Flow at Oakland

July 22, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	26.51 (23 to 26.4)	Release at 1100 for 2 Hours <i>L</i>
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	-- (23 to 25.1)	--

Tair °C	32.78	Air Temp, Elkins WV - Degree C	91	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	20.50	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	25.00	River Flow at Oakland		

JSS 7/22
WWR WILL COVER

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

21

= CFS River Flow at Oakland

July 23, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.76 (23 to 26.4)	Check Again at 0900
0900	26.13 (23 to 25.9)	Release at 1100 for 2 Hours
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	30.56	Air Temp, Elkins WV - Degree C	87	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	RAIN	Cloud Cover, Elkins WV
T7	20.40	River Temp Sang Run @700		
T9	20.90	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	21.00	River Flow at Oakland		

[Signature] 7/23
WWR will cover

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

20

= CFS River Flow at Oakland

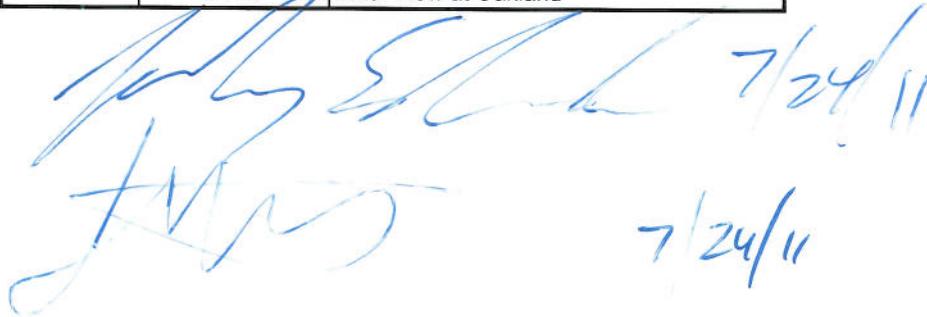
July 24, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	26.14 (23 to 26.4)	Check Again at 0900
0900	26.74 (23 to 25.9)	Release at 1100 for 2 Hours
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	30.56	Air Temp, Elkins WV - Degree C	87	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	MOCLDY	Cloud Cover, Elkins WV
T7	19.50	River Temp Sang Run @700		
T9	20.20	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	20.00	River Flow at Oakland		



John E. Clark 7/24/11

J. E. Clark 7/24/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

106 = CFS River Flow at Oakland

July 25, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.65 (23 to 26.4)	Check Again at 0900
0900	23.70 (23 to 25.9)	Check Again at 1100
1100	26.35 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	28.89	Air Temp, Elkins WV - Degree C	84 MOCLDY	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	22.00	River Temp Sang Run @700		
T9	22.20	River Temp Sang Run @900		
T11	23.00	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	106.00	River Flow at Oakland		

WHITEWATER RELEASE SCHEDULED FOR

11 AM - 2 PM

 7/25

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

45

= CFS River Flow at Oakland

July 26, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.14 (23 to 26.4)	Check Again at 0900
0900	24.92 (23 to 25.9)	Check Again at 1100
1100	26.60 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	29.44	Air Temp, Elkins WV - Degree C	85	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	CLOUDY	Cloud Cover, Elkins WV
T7	21.40	River Temp Sang Run @700		
T9	21.30	River Temp Sang Run @900		
T11	22.80	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	45.00	River Flow at Oakland		

7/26/11

Temp release run from
12:30 - 14:30

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

38

= CFS River Flow at Oakland

July 27, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	26.02 (23 to 26.4)	Check Again at 0900
0900	26.07 (23 to 25.9)	Release at 1100 for 2 Hours
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	28.89	Air Temp, Elkins WV - Degree C	84	Air Temp, Elkins WV - Degree F
CCF	36	Cloud Cover Factor, Elkins WV	PTCLDY	Cloud Cover, Elkins WV
T7	20.10	River Temp Sang Run @700		
T9	20.20	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	38.00	River Flow at Oakland		

John Clayton 7-27-11

Temp release run from 11-1 @ 620 cfs

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

36 = CFS River Flow at Oakland

July 28, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	26.49 (23 to 26.4)	Release at 1100 for 2 Hours
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	29.44	Air Temp, Elkins WV - Degree C	85	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	19.20	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	36.00	River Flow at Oakland		

J. McLean 7/28/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

24

= CFS River Flow at Oakland

July 29, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	27.95 (23 to 26.4)	Release at 1100 for 2 Hours <i>wwr</i>
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	31.67	Air Temp, Elkins WV - Degree C	89	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	20.70	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	24.00	River Flow at Oakland		

R. McKenna 7/29/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

29

= CFS River Flow at Oakland

July 30, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.25 (23 to 26.4)	Check Again at 0900
0900	-- (23 to 25.9)	Input 0900 SANG RUN Temp
1100	-- (23 to 25.4)	Input 0900 SANG RUN Temp
1200	-- (23 to 25.3)	Input 0900 SANG RUN Temp
1400	-- (23 to 25.2)	Input 0900 SANG RUN Temp
1500	--	Input 0900 SANG RUN Temp

Tair °C	28.33	Air Temp, Elkins WV - Degree C	83 TSTRMS	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	21.00	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	29.00	River Flow at Oakland		

R. mckens 7/30/2011

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

39 = CFS River Flow at Oakland

July 31, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	27.04 (23 to 26.4)	Release at 1100 for 2 Hours
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	31.11	Air Temp, Elkins WV - Degree C	88	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	19.60	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	39.00	River Flow at Oakland		

Qmckee 7/31/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

Simulate a Ra

24

= CFS River Flow at Oakland

August 1, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	27.40 (23 to 26.4)	Release at 1100 for 2 Hours
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	31.11	Air Temp, Elkins WV - Degree C	88	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	19.60	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	24.00	River Flow at Oakland		

R mckene 8/01/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

19

= CFS River Flow at Oakland

August 2, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.15 (23 to 26.4)	Check Again at 0900
0900	25.06 (23 to 25.9)	Check Again at 1100
1100	24.77 (23 to 25.4)	Check Again at 1200
1200	25.34 (23 to 25.3)	Release ASAP - not later than 1230 for 1 hour
1400	--	--
1500	--	--

Tair °C	30.00	Air Temp, Elkins WV - Degree C	86	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	OVRCAST	Cloud Cover, Elkins WV
T7	19.10	River Temp Sang Run @700		
T9	19.30	River Temp Sang Run @900		
T11	20.20	River Temp Sang Run @1100		
T12	22.10	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	19.00	River Flow at Oakland		

1/2/11 JES

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

20

= CFS River Flow at Oakland

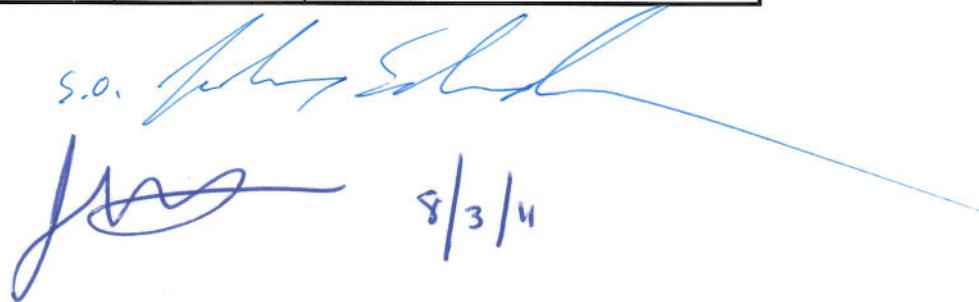
August 3, 2011

Simulate a Ra

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	26.33 (23 to 26.4)	Check Again at 0900
0900	26.15 (23 to 25.9)	Release at 1100 for 2 Hours
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Print Info for file

Tair °C	29.44	Air Temp, Elkins WV - Degree C	85	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	MOCLDY	Cloud Cover, Elkins WV
T7	21.10	River Temp Sang Run @700		
T9	21.00	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	20.00	River Flow at Oakland		



S.O. John Eshel

8/3/11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

29

= CFS River Flow at Oakland

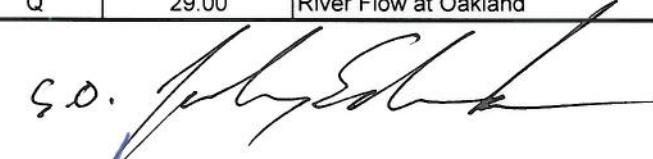
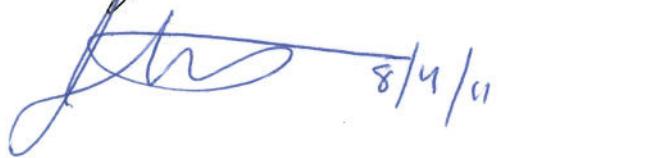
August 4, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.52 (23 to 26.4)	Check Again at 0900
0900	25.70 (23 to 25.9)	Check Again at 1100
1100	26.51 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	27.78	Air Temp, Elkins WV - Degree C	82 MOCLDY	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	20.30	River Temp Sang Run @700		
T9	20.50	River Temp Sang Run @900		
T11	22.30	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	29.00	River Flow at Oakland		

S.O. 
 8/4/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

Simulate a Ra

26

= CFS River Flow at Oakland

August 5, 2011

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	26.40 (23 to 26.4)	Check Again at 0900
0900	26.78 (23 to 25.9)	Release at 1100 for 2 Hours
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	-- (23 to 25.2)	--

Tair °C	28.33	Air Temp, Elkins WV - Degree C	83	Air Temp, Elkins WV - Degree F
CCF	36	Cloud Cover Factor, Elkins WV	PTSUNY	Cloud Cover, Elkins WV
T7	20.80	River Temp Sang Run @700		
T9	21.10	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	26.00	River Flow at Oakland		

[Handwritten signature] 8/5/11 WWR will cover

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

21

= CFS River Flow at Oakland

August 6, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.61 (23 to 26.4)	Check Again at 0900
0900	25.88 (23 to 25.9)	Check Again at 1100
1100	24.74 (23 to 25.4)	Check Again at 1200
1200	-- (23 to 25.3)	Input 1200 SANG RUN Temp
1400	-- (23 to 25.2)	Input 1200 SANG RUN Temp
1500	--	Input 1200 SANG RUN Temp

Tair °C	27.22	Air Temp, Elkins WV - Degree C	81	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	21.10	River Temp Sang Run @700		
T9	21.30	River Temp Sang Run @900		
T11	21.60	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	21.00	River Flow at Oakland		

R. McKenna 8/06/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

98

= CFS River Flow at Oakland

August 7, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	22.42 (23 to 26.4)	Check Again at 0900
0900	22.48 (23 to 25.9)	Check Again at 1100
1100	25.21 (23 to 25.4)	Check Again at 1200
1200	24.99 (23 to 25.3)	Check Again at 1400
1400	24.24 (23 to 25.2)	Check Again at 1500
1500	23.87	Check Again Tomorrow at 0700

Tair °C	27.78	Air Temp, Elkins WV - Degree C	82	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	RAIN	Cloud Cover, Elkins WV
T7	21.20	River Temp Sang Run @700		
T9	21.30	River Temp Sang Run @900		
T11	22.10	River Temp Sang Run @1100		
T12	22.50	River Temp Sang Run @1200		
T14	23.10	River Temp Sang Run @1400		
T15	23.20	River Temp Sang Run @1500		
Q	98.00	River Flow at Oakland		

R McKeme 8/07/11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

337

= CFS River Flow at Oakland

August 8, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.73 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	29.44	Air Temp, Elkins WV - Degree C	85	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	21.70	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	337.00	River Flow at Oakland		

B. McKenna

8/08/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

153 = CFS River Flow at Oakland

August 9, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	22.99 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	-- (23 to 25.2)	--

Tair °C	27.78	Air Temp, Elkins WV - Degree C	82 SHWRS	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	21.10	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	153.00	River Flow at Oakland		

Rockwell 8/09/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

121

= CFS River Flow at Oakland

August 10, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	22.67 (23 to 26.4)	Check Again at 0900
0900	22.16 (23 to 25.9)	Check Again at 1100
1100	24.78 (23 to 25.4)	Check Again at 1200
1200	24.80 (23 to 25.3)	Check Again at 1400
1400	24.91 (23 to 25.2)	Check Again at 1500
1500	24.81	Check Again Tomorrow at 0700

Tair °C	25.00	Air Temp, Elkins WV - Degree C	77 MOSUNNY	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	19.70	River Temp Sang Run @700		
T9	19.90	River Temp Sang Run @900		
T11	20.80	River Temp Sang Run @1100		
T12	21.60	River Temp Sang Run @1200		
T14	23.40	River Temp Sang Run @1400		
T15	23.90	River Temp Sang Run @1500		
Q	121.00	River Flow at Oakland		

R. McKenna 8/10/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

73

= CFS River Flow at Oakland

August 11, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.26 (23 to 26.4)	Check Again at 0900
0900	23.42 (23 to 25.9)	Check Again at 1100
1100	24.22 (23 to 25.4)	Check Again at 1200
1200	23.96 (23 to 25.3)	Check Again at 1400
1400	23.88 (23 to 25.2)	Check Again at 1500
1500	24.56	Check Again Tomorrow at 0700

Tair °C	24.44	Air Temp, Elkins WV - Degree C	76	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	18.80	River Temp Sang Run @700		
T9	18.90	River Temp Sang Run @900		
T11	19.90	River Temp Sang Run @1100		
T12	20.50	River Temp Sang Run @1200		
T14	22.20	River Temp Sang Run @1400		
T15	23.40	River Temp Sang Run @1500		
Q	73.00	River Flow at Oakland		

8/11/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

52

= CFS River Flow at Oakland

August 12, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.58 (23 to 26.4)	Check Again at 0900
0900	24.25 (23 to 25.9)	Check Again at 1100
1100	24.47 (23 to 25.4)	Check Again at 1200
1200	24.31 (23 to 25.3)	Check Again at 1400
1400	20.62 (23 to 25.2)	Check Again at 1500
1500	20.93	Check Again Tomorrow at 0700

Tair °C	27.22	Air Temp, Elkins WV - Degree C	81 SUNNY	Air Temp, Elkins WV - Degree F Cloud Cover, Elkins WV
CCF	1	Cloud Cover Factor, Elkins WV		
T7	17.10	River Temp Sang Run @700		
T9	17.00	River Temp Sang Run @900		
T11	18.40	River Temp Sang Run @1100		
T12	19.40	River Temp Sang Run @1200		
T14	19.10	River Temp Sang Run @1400		
T15	19.80	River Temp Sang Run @1500		
Q	52.00	River Flow at Oakland		

White Water Release
11-2 @ 620 cfs

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

39

= CFS River Flow at Oakland

August 13, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.53 (23 to 26.4)	Check Again at 0900
0900	24.46 (23 to 25.9)	Check Again at 1100
1100	24.46 (23 to 25.4)	Check Again at 1200
1200	24.82 (23 to 25.3)	Check Again at 1400
1400	19.34 (23 to 25.2)	Check Again at 1500
1500	19.47	Check Again Tomorrow at 0700

Tair °C	28.33	Air Temp, Elkins WV - Degree C	83	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	17.90	River Temp Sang Run @700		
T9	18.10	River Temp Sang Run @900		
T11	19.30	River Temp Sang Run @1100		
T12	20.60	River Temp Sang Run @1200		
T14	18.60	River Temp Sang Run @1400		
T15	18.80	River Temp Sang Run @1500		
Q	39.00	River Flow at Oakland		

J. M. Clegg Jr. 8/13/11

Water Water Release

11-2 @ 620 cfs

YOUHIGHHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

33

= CFS River Flow at Oakland

August 14, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.57 (23 to 26.4)	Check Again at 0900
0900	24.30 (23 to 25.9)	Check Again at 1100
1100	24.44 (23 to 25.4)	Check Again at 1200
1200	24.25 (23 to 25.3)	Check Again at 1400
1400	25.48 (23 to 25.2)	Release ASAP - not later than 1430 for 1 hour
1500	--	--

Tair °C	26.67	Air Temp, Elkins WV - Degree C	80	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	SHWRS	Cloud Cover, Elkins WV
T7	18.90	River Temp Sang Run @700		
T9	18.80	River Temp Sang Run @900		
T11	20.00	River Temp Sang Run @1100		
T12	20.70	River Temp Sang Run @1200		
T14	23.30	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	33.00	River Flow at Oakland		

RELEASED FROM 1404-1504 - JCE
 8/14/11

YOUHIGHHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

Simulate a Ra

58

= CFS River Flow at Oakland

August 15, 2011

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.88 (23 to 26.4)	Check Again at 0900
0900	21.80 (23 to 25.9)	Check Again at 1100 <i>while the release @ 1100</i> <i>Kellogg</i>
1100	-- (23 to 25.4)	Input 1100 SANG RUN Temp
1200	-- (23 to 25.3)	Input 1100 SANG RUN Temp
1400	-- (23 to 25.2)	Input 1100 SANG RUN Temp
1500	-- --	Input 1100 SANG RUN Temp

Tair °C	23.33	Air Temp, Elkins WV - Degree C	74	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	CLOUDY	Cloud Cover, Elkins WV
T7	19.10	River Temp Sang Run @700		
T9	19.10	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	58.00	River Flow at Oakland		

John Bryson 8/15/11
WWR 11-14 @ 620 CFS

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

54

= CFS River Flow at Oakland

August 16, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.87 (23 to 26.4)	Check Again at 0900
0900	23.81 (23 to 25.9)	Check Again at 1100
1100	24.31 (23 to 25.4)	Check Again at 1200
1200	24.35 (23 to 25.3)	Check Again at 1400
1400	23.82 (23 to 25.2)	Check Again at 1500
1500	24.40	Check Again Tomorrow at 0700 ↗

Tair °C	25.56	Air Temp, Elkins WV - Degree C	78	Air Temp, Elkins WV - Degree F
CCF	36	Cloud Cover Factor, Elkins WV	PTSUNY	Cloud Cover, Elkins WV
T7	18.80	River Temp Sang Run @700		
T9	18.80	River Temp Sang Run @900		
T11	19.90	River Temp Sang Run @1100		
T12	20.80	River Temp Sang Run @1200		
T14	22.20	River Temp Sang Run @1400		
T15	23.30	River Temp Sang Run @1500		
Q	54.00	River Flow at Oakland		

R. mckenne 8/16/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

45

= CFS River Flow at Oakland

August 17, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.49 (23 to 26.4)	Check Again at 0900
0900	25.37 (23 to 25.9)	Check Again at 1100
1100	25.44 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	28.89	Air Temp, Elkins WV - Degree C	84	Air Temp, Elkins WV - Degree F
CCF	1	Cloud Cover Factor, Elkins WV	SUNNY	Cloud Cover, Elkins WV
T7	17.40	River Temp Sang Run @700		
T9	17.50	River Temp Sang Run @900		
T11	19.10	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	45.00	River Flow at Oakland		

R. mckene 8/17/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

30

= CFS River Flow at Oakland

August 18, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.08 (23 to 26.4)	Check Again at 0900
0900	23.57 (23 to 25.9)	Check Again at 1100
1100	25.52 (23 to 25.4)	Release at 1230 for 2 Hours
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	27.22	Air Temp, Elkins WV - Degree C	81	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	18.60	River Temp Sang Run @700		
T9	18.40	River Temp Sang Run @900		
T11	20.70	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	30.00	River Flow at Oakland		

R. McKee 8/18/11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

25

= CFS River Flow at Oakland

August 19, 2011

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.06 (23 to 26.4)	Check Again at 0900
0900	23.59 (23 to 25.9)	Check Again at 1100
1100	24.40 (23 to 25.4)	Check Again at 1200
1200	24.29 (23 to 25.3)	Check Again at 1400
1400	20.62 (23 to 25.2)	Check Again at 1500
1500	20.53	Check Again Tomorrow at 0700

[Print Info for file](#)

Tair °C	27.78	Air Temp, Elkins WV - Degree C	82	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	18.00	River Temp Sang Run @700		
T9	17.90	River Temp Sang Run @900		
T11	19.50	River Temp Sang Run @1100		
T12	20.40	River Temp Sang Run @1200		
T14	19.50	River Temp Sang Run @1400		
T15	19.70	River Temp Sang Run @1500		
Q	25.00	River Flow at Oakland		

R. McKenna 8/19/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

30

= CFS River Flow at Oakland

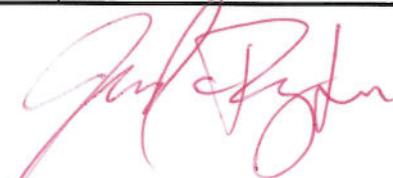
August 20, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.75 (23 to 26.4)	Check Again at 0900
0900	26.42 (23 to 25.9)	Release at 1100 for 2 Hours
1100	24.59 (23 to 25.4)	--
1200	23.43 (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	27.78	Air Temp, Elkins WV - Degree C	82	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	17.90	River Temp Sang Run @700		
T9	18.60	River Temp Sang Run @900		
T11	19.40	River Temp Sang Run @1100		
T12	19.20	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	30.00	River Flow at Oakland		



8/20/11

WWR 11-14 @ 620 cfs

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

30 = CFS River Flow at Oakland

August 21, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.97 (23 to 26.4)	Check Again at 0900
0900	23.74 (23 to 25.9)	Check Again at 1100
1100	23.66 (23 to 25.4)	Check Again at 1200
1200	22.80 (23 to 25.3)	Check Again at 1400
1400	23.43 (23 to 25.2)	Check Again at 1500
1500	24.26	Check Again Tomorrow at 0700

Tair °C	26.67	Air Temp, Elkins WV - Degree C	80	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	18.80	River Temp Sang Run @700		
T9	18.80	River Temp Sang Run @900		
T11	19.70	River Temp Sang Run @1100		
T12	19.60	River Temp Sang Run @1200		
T14	21.30	River Temp Sang Run @1400		
T15	22.80	River Temp Sang Run @1500		
Q	30.00	River Flow at Oakland		



8/21/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

27

= CFS River Flow at Oakland

August 22, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.77 (23 to 26.4)	Check Again at 0900
0900	23.52 (23 to 25.9)	Check Again at 1100
1100	23.78 (23 to 25.4)	Check Again at 1200
1200	-- (23 to 25.3)	Input 1200 SANG RUN Temp
1400	-- (23 to 25.2)	Input 1200 SANG RUN Temp
1500	--	Input 1200 SANG RUN Temp

Tair °C	22.78	Air Temp, Elkins WV - Degree C	73	Air Temp, Elkins WV - Degree F
CCF	36	Cloud Cover Factor, Elkins WV	HAZE	Cloud Cover, Elkins WV
T7	18.30	River Temp Sang Run @700		
T9	18.10	River Temp Sang Run @900		
T11	19.60	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	27.00	River Flow at Oakland		



8/21/11

NWR @ 620 11-1400

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

39

= CFS River Flow at Oakland

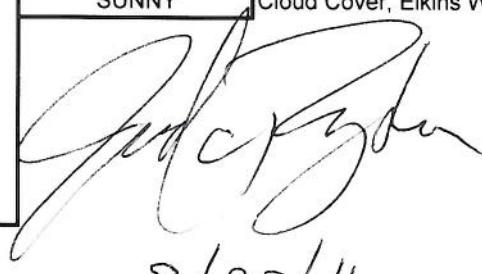
August 23, 2011

Simulate a Ra

Print Info for file

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.12 (23 to 26.4)	Check Again at 0900
0900	23.73 (23 to 25.9)	Check Again at 1100
1100	23.88 (23 to 25.4)	Check Again at 1200
1200	23.68 (23 to 25.3)	Check Again at 1400
1400	22.56 (23 to 25.2)	Check Again at 1500
1500	23.15	Check Again Tomorrow at 0700

Tair °C	25.56	Air Temp, Elkins WV - Degree C	78	Air Temp, Elkins WV - Degree F
CCF	1	Cloud Cover Factor, Elkins WV	SUNNY	Cloud Cover, Elkins WV
T7	15.80	River Temp Sang Run @700		
T9	15.70	River Temp Sang Run @900		
T11	17.50	River Temp Sang Run @1100		
T12	18.60	River Temp Sang Run @1200		
T14	20.30	River Temp Sang Run @1400		
T15	21.60	River Temp Sang Run @1500		
Q	39.00	River Flow at Oakland		



8/23/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

25

= CFS River Flow at Oakland

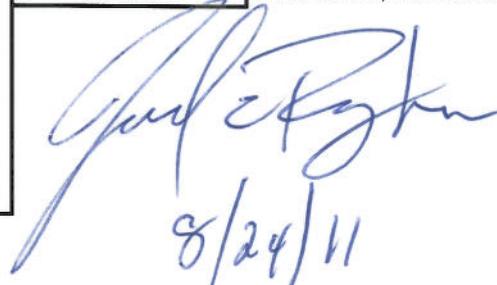
August 24, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	24.03 (23 to 26.4)	Check Again at 0900
0900	23.69 (23 to 25.9)	Check Again at 1100
1100	23.83 (23 to 25.4)	Check Again at 1200
1200	23.84 (23 to 25.3)	Check Again at 1400
1400	23.01 (23 to 25.2)	Check Again at 1500
1500	23.74	Check Again Tomorrow at 0700

Tair °C	27.78	Air Temp, Elkins WV - Degree C	82 MOCLDY	Air Temp, Elkins WV - Degree F Cloud Cover, Elkins WV
CCF	64	Cloud Cover Factor, Elkins WV		
T7	15.90	River Temp Sang Run @700		
T9	16.00	River Temp Sang Run @900		
T11	17.70	River Temp Sang Run @1100		
T12	18.90	River Temp Sang Run @1200		
T14	20.60	River Temp Sang Run @1400		
T15	22.10	River Temp Sang Run @1500		
Q	25.00	River Flow at Oakland		



Jim E. Rybnikar
8/24/11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

59

= CFS River Flow at Oakland

August 25, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.64 (23 to 26.4)	Check Again at 0900
0900	21.26 (23 to 25.9)	Check Again at 1100
1100	21.16 (23 to 25.4)	Check Again at 1200
1200	22.21 (23 to 25.3)	Check Again at 1400
1400	22.32 (23 to 25.2)	Check Again at 1500
1500	22.42	Check Again Tomorrow at 0700

Tair °C	23.33	Air Temp, Elkins WV - Degree C	74	Air Temp, Elkins WV - Degree F
CCF	100	Cloud Cover Factor, Elkins WV	TSTRMS	Cloud Cover, Elkins WV
T7	18.50	River Temp Sang Run @700		
T9	18.30	River Temp Sang Run @900		
T11	18.20	River Temp Sang Run @1100		
T12	19.50	River Temp Sang Run @1200		
T14	20.69	River Temp Sang Run @1400		
T15	21.30	River Temp Sang Run @1500		
Q	59.00	River Flow at Oakland		

[Signature] 8/25/11

YOUNGWOOD RIVER WATER TEMPERATURE ENHANCEMENT PLAN

207 = CFS River Flow at Oakland

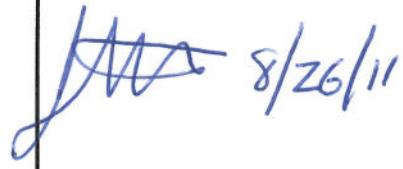
August 26, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.48 (23 to 26.4)	Temperature Plan not Required Today - Flow Exceeds 150 CFS
0900	-- (23 to 25.9)	--
1100	-- (23 to 25.4)	--
1200	-- (23 to 25.3)	--
1400	-- (23 to 25.2)	--
1500	--	--

Tair °C	29.44	Air Temp, Elkins WV - Degree C	85	Air Temp, Elkins WV - Degree F
CCF	36	Cloud Cover Factor, Elkins WV	HAZE	Cloud Cover, Elkins WV
T7	19.40	River Temp Sang Run @700		
T9	--	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	207.00	River Flow at Oakland		



8/26/11

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

80

= CFS River Flow at Oakland

August 27, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	21.85 (23 to 26.4)	Check Again at 0900
0900	21.72 (23 to 25.9)	Check Again at 1100
1100	-- (23 to 25.4)	White Water Release @ 1100 Input 1100 SANG RUN Temp
1200	-- (23 to 25.3)	Input 1100 SANG RUN Temp
1400	-- (23 to 25.2)	Input 1100 SANG RUN Temp
1500	--	Input 1100 SANG RUN Temp

Tair °C	25.56	Air Temp, Elkins WV - Degree C
CCF	100	Cloud Cover Factor, Elkins WV
T7	19.50	River Temp Sang Run @700
T9	19.50	River Temp Sang Run @900
T11	--	River Temp Sang Run @1100
T12	--	River Temp Sang Run @1200
T14	--	River Temp Sang Run @1400
T15	--	River Temp Sang Run @1500
Q	80.00	River Flow at Oakland

78
TSTRMS

Air Temp, Elkins WV - Degree F
Cloud Cover, Elkins WV

8/27/11

WWIC 11-14 @ 620 cfs

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

56

= CFS River Flow at Oakland

August 28, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.38 (23 to 26.4)	Check Again at 0900
0900	22.88 (23 to 25.9)	Check Again at 1100
1100	22.92 (23 to 25.4)	Check Again at 1200
1200	23.04 (23 to 25.3)	Check Again at 1400
1400	23.64 (23 to 25.2)	Check Again at 1500
1500	22.89	Check Again Tomorrow at 0700

Tair °C	25.00	Air Temp, Elkins WV - Degree C	77 SHWRS	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	19.70	River Temp Sang Run @700		
T9	19.30	River Temp Sang Run @900		
T11	19.50	River Temp Sang Run @1100		
T12	20.10	River Temp Sang Run @1200		
T14	21.80	River Temp Sang Run @1400		
T15	21.80	River Temp Sang Run @1500		
Q	56.00	River Flow at Oakland		



8/28/11

YOUNGHOGENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Run](#)

50 = CFS River Flow at Oakland

August 29, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	22.62 (23 to 26.4)	Check Again at 0900
0900	22.36 (23 to 25.9)	Check Again at 1100
1100	-- (23 to 25.4)	Input 1100 SANG RUN Temp
1200	-- (23 to 25.3)	Input 1100 SANG RUN Temp
1400	-- (23 to 25.2)	Input 1100 SANG RUN Temp
1500	--	Input 1100 SANG RUN Temp

Tair °C	23.89	Air Temp, Elkins WV - Degree C	75	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV	MOCLDY	Cloud Cover, Elkins WV
T7	17.80	River Temp Sang Run @700		
T9	17.70	River Temp Sang Run @900		
T11	--	River Temp Sang Run @1100		
T12	--	River Temp Sang Run @1200		
T14	--	River Temp Sang Run @1400		
T15	--	River Temp Sang Run @1500		
Q	50.00	River Flow at Oakland		

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

[Simulate a Ra](#)

38

= CFS River Flow at Oakland

August 30, 2011

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	23.70 (23 to 26.4)	Check Again at 0900
0900	23.18 (23 to 25.9)	Check Again at 1100
1100	23.58 (23 to 25.4)	Check Again at 1200
1200	23.48 (23 to 25.3)	Check Again at 1400
1400	24.51 (23 to 25.2)	Check Again at 1500
1500	23.74	Check Again Tomorrow at 0700

No Run today

Shay

J-T 10/10/11

Tair °C	27.22	Air Temp, Elkins WV - Degree C	81 MOCLDY	Air Temp, Elkins WV - Degree F
CCF	64	Cloud Cover Factor, Elkins WV		Cloud Cover, Elkins WV
T7	16.40	River Temp Sang Run @700		
T9	16.30	River Temp Sang Run @900		
T11	17.80	River Temp Sang Run @1100		
T12	18.80	River Temp Sang Run @1200		
T14	21.70	River Temp Sang Run @1400		
T15	22.10	River Temp Sang Run @1500		
Q	38.00	River Flow at Oakland		

YOUGHIOGHENY RIVER WATER TEMPERATURE ENHANCEMENT PLAN

30 = CFS River Flow at Oakland

August 31, 2011

Simulate a Ra

[Print Info for file](#)

Time	Predicted Maximum River Water Temperature Degree C	Deep Creek Action
0700	25.45 (23 to 26.4)	Check Again at 0900
0900	25.68 (23 to 25.9)	Check Again at 1100
1100	24.75 (23 to 25.4)	Check Again at 1200
1200	24.71 (23 to 25.3)	Check Again at 1400
1400	24.04 (23 to 25.2)	Check Again at 1500
1500	24.45	Check Again Tomorrow at 0700

J. Will S. H.

Tair °C	27.78	Air Temp, Elkins WV - Degree C	82	Air Temp, Elkins WV - Degree F
CCF	9	Cloud Cover Factor, Elkins WV	MOSUNNY	Cloud Cover, Elkins WV
T7	17.00	River Temp Sang Run @700		
T9	17.40	River Temp Sang Run @900		
T11	18.80	River Temp Sang Run @1100		
T12	19.90	River Temp Sang Run @1200		
T14	21.80	River Temp Sang Run @1400		
T15	23.00	River Temp Sang Run @1500		
Q	30.00	River Flow at Oakland		

APPENDIX C

BYPASS FLOW OPERATION DATA TABLE AND USGS PROVISIONAL WATER DISCHARGE DATA TABLE

2011 Youghiogheny River Bypass Flow Provision				
Month	Day	Flow at Oakland Gage	Bypass Flow Required	% Valve Open
July	22	25	2	22
July	23	21	8	30
July	24	20	9	32
July	29	24	3	23
August	1	24	3	23
August	2	19	11	35
August	3	20	9	32
August	6	21	8	30
August	19	25	2	22
August	24	25	2	22

USGS PROVISIONAL WATER DISCHARGE DATA FOR THE OAKLAND GAGE (GAGE NO. 03075500)
JANUARY 1, 2011 THROUGH DECEMBER 31, 2011 (mean cfs)

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Day of Month												
1	177	99	2,060	252	489	116	65	23	41	105	543	292
2	653	810	1,050	266	382	95	56	20	75	515	463	259
3	494	914	692	344	306	79	59	24	41	963	384	232
4	343	520	532	510	333	68	199	31	34	921	323	217
5	270	422	434	1,390	259	91	191	26	219	679	267	204
6	274	698	1,030	1,110	211	85	106	25	1,080	446	221	287
7	184	462	1,000	707	193	63	78	250	1,940	313	194	1,320
8	154	400	735	609	179	59	86	274	712	236	175	1,700
9	130	326	974	703	159	54	130	141	376	189	160	907
10	119	282	2,030	528	141	164	72	102	253	161	151	637
11	110	242	2,310	437	131	171	57	64	186	142	141	469
12	103	205	1,270	449	114	106	66	47	147	181	127	380
13	98	191	886	897	324	72	58	37	118	183	114	317
14	94	199	639	707	638	56	56	41	98	558	105	309
15	90	211	510	539	489	48	44	59	291	578	137	450
16	85	225	514	713	374	44	36	54	224	366	280	645
17	80	457	399	1,120	869	70	32	39	155	464	488	471
18	80	1,930	342	762	2,570	299	30	29	126	380	314	398
19	99	2,140	354	2,050	1,670	582	33	28	104	310	261	331
20	121	951	285	2,680	873	793	36	31	118	324	231	313
21	106	1,450	537	1,110	587	436	29	28	115	292	453	279
22	97	1,720	698	707	419	275	25	31	98	252	625	259
23	92	921	733	775	324	193	22	34	93	214	2,890	393
24	88	682	1,380	1,320	257	155	48	23	114	194	1,760	360
25	88	2,350	854	915	211	128	80	109	94	188	901	314
26	88	1,860	611	703	178	104	42	162	81	180	606	287
27	88	1,050	470	982	252	89	38	71	88	1,040	456	430
28	87	1,930	380	1,390	346	164	33	55	93	1,070	362	733
29	93		305	970	213	119	24	45	80	707	334	512
30	93		262	666	166	80	35	35	79	609	366	451
31	96		263		140		35	29		607		470

The above data, obtained from the automated U.S. Geological Survey (USGS) database, have not received Director's approval and as such are provisional and subject to revision. The data are released on the condition that neither the USGS nor the United States Government may be held liable for any damages resulting from its use.

APPENDIX D

DISSOLVED OXYGEN MONITORING LOGS

(Instrument Calibrated to 2000 ft. MSL)

Date	INSTRUMENT CALIBRATION CAL. READINGS			DO MEASUREMENTS DOWNSTREAM OF WEIR			NO. UNITS GENERATING	TIMES OF GENERATION	SLUICE GATE POSITION	NON-OPERATING TAILRACE ELEVATION	OPERATING TAILRACE ELEV.
	TIME	TEMP °C	DO (mg/l)	TIME	TEMP °C	DO (mg/l)					
June 2011											
6/2/2011	10:27	26.7	7.31	10:35	11.5	7.73	0		4 - OPEN	2022.0	
6/2/2011	11:24	22.7	7.96	11:32	13.5	8.76	2	11:00 - 14:00	4 - OPEN		2028.0
6/2/2011	14:45	23.5	7.55	14:53	14.4	7.80	0		4 - OPEN	2022.0	
6/4/2011	10:30	26.5	7.33	10:35	11.6	7.74	0		4 - OPEN	2022.0	
6/4/2011	11:40	22.6	7.97	11:44	13.7	8.77	2	11:00 - 14:00	4 - OPEN		2028.0
6/4/2011	14:30	23.6	7.57	14:37	14.5	7.81	0		4 - OPEN	2022.0	
6/6/2011	10:31	26.4	7.47	10:44	11.5	7.62	0		4 - OPEN	2022.0	
6/6/2011	11:34	25.0	7.62	11:42	13.5	8.77	2	11:00 - 14:00	4 - OPEN		2028.0
6/6/2011	14:17	26.7	7.40	14:27	13.9	6.64	0		4 - OPEN	2022.0	
6/10/2011	10:30	26.7	7.52	10:40	12.2	7.60	0		4 - OPEN	2022.0	
6/10/2011	11:32	25.0	7.69	11:45	13.1	8.46	2	11:00 - 14:00	4 - OPEN		2028.0
6/10/2011	14:30	29.0	6.93	14:42	14.4	7.73	0		4 - OPEN	2022.0	
6/11/2011	10:25	26.4	7.35	10:39	12.6	7.65	0		4 - OPEN	2022.0	
6/11/2011	11:27	24.7	7.98	11:37	13.5	8.47	2	11:00 - 14:00	4 - OPEN		2028.0
6/11/2011	14:47	28.4	7.58	14:58	14.6	7.76	0		4 - OPEN	2022.0	
6/13/2011	9:52	25.7	7.35	9:59	11.9	6.73	0		4 - OPEN	2022.0	
6/13/2011	11:43	23.7	7.84	11:50	13.0	8.12	2	11:00 - 14:00	4 - OPEN		2028.0
6/13/2011	15:48	24.1	7.73	15:54	13.9	7.75	0		4 - OPEN	2022.0	
6/17/2011	10:43	25.9	7.56	10:51	12.2	7.12	0		4 - OPEN	2021.9	
6/17/2011	11:44	21.8	8.16	11:50	13.8	7.94	2	11:00 - 14:00	4 - OPEN		2028.0
6/17/2011	14:30	24.6	7.72	14:38	14.6	7.01	0		4 - OPEN	2021.9	
6/18/2011	10:32	22.8	7.99	10:39	12.2	6.72	0		4 - OPEN	2022.0	
6/18/2011	11:52	22.1	8.07	12:00	14.2	7.81	2	11:00 - 14:00	4 - OPEN		2028.1
6/18/2011	14:25	23.5	7.89	14:33	14.2	6.44	0		4 - OPEN	2022.5	
6/24/2011	10:35	25.0	7.78	10:43	12.4	6.33	0		4 - OPEN	2022.2	
6/24/2011	12:30	23.7	7.66	12:40	14.4	7.28	2	11:00 - 14:00	4 - OPEN		2028.0
6/24/2011	14:30	23.0	7.94	14:40	14.3	5.55	0		4 - OPEN	2022.2	
6/25/2011	9:40	24.4	7.66	9:47	12.1	5.96	0		4 - OPEN	2022.2	
6/25/2011	11:41	20.0	8.34	11:50	14.3	6.79	2	11:00 - 14:00	4 - OPEN		2028.0
6/25/2011	14:32	21.6	7.81	14:38	14.0	6.02	0		4 - OPEN	2022.2	
6/27/2011	8:16	23.1	7.90	8:25	12.4	5.96	0		4 - OPEN	2022.0	
6/27/2011	11:34	24.7	7.64	11:40	15.4	7.46	2	11:00 - 14:00	4 - OPEN		2028.0
6/27/2011	14:41	25.1	7.82	14:48	14.9	5.87	0		4 - OPEN	2022.0	

(Instrument Calibrated to 2000 ft. MSL)

Date	INSTRUMENT CALIBRATION			DO MEASUREMENTS			NO. UNITS GENERATING	TIMES OF GENERATION	SLUICE GATE POSITION	NON-OPERATING TAILRACE ELEVATION	OPERATING TAILRACE ELEV.					
	CAL. READINGS			DOWNSTREAM OF WEIR												
	TIME	TEMP °C	DO (mg/l)	TIME	TEMP °C	DO (mg/l)										
July 2011																
7/1/2011	10:30	24.6	7.95	10:40	12.4	5.85	0		4 - OPEN	2022.0						
7/1/2011	11:34	20.8	8.60	11:40	11.7	6.35	2	11:00 - 14:00	4 - OPEN		2028.0					
7/1/2011	14:37	24.7	7.60	14:45	15.3	5.35	0		4 - OPEN	2022.0						
7/2/2011	7:47	25.2	7.61	7:54	12.3	5.29	0		4 - OPEN	2021.9						
7/2/2011	12:30	25.3	7.63	12:36	15.1	6.82	2	11:00 - 14:00	4 - OPEN		2028.0					
7/2/2011	14:40	24.7	7.01	14:49	15.8	5.55	0		4 - OPEN	2021.9						
7/4/2011	10:30	20.9	8.57	10:41	11.8	6.30	0		4 - OPEN	2022.0						
7/4/2011	11:30	25.0	7.72	11:43	15.4	6.13	2	11:00 - 14:00	4 - OPEN		2028.0					
7/4/2011	n/a	n/a	n/a	n/a	n/a	n/a	0		4 - OPEN	2022.0						
7/8/2011	9:21	24.8	7.55	9:28	12.7	5.20	0		4 - OPEN	2021.9						
7/8/2011	12:43	23.1	7.66	12:51	15.2	6.02	2	11:00 - 14:00	4 - OPEN		2028.0					
7/8/2011	14:30	19.5	8.53	14:36	15.3	4.49	0		4 - OPEN	2021.9						
7/9/2011	10:26	26.2	7.44	10:33	12.5	4.72	0		4 - OPEN	2022.2						
7/9/2011	11:35	23.4	7.91	11:46	14.5	5.82	2	11:00 - 14:00	4 - OPEN		2028.0					
7/9/2011	14:20	30.2	6.97	14:27	15.4	4.70	0		4 - OPEN	2022.2						
7/11/11M1	10:35	25.8	7.97	10:43	13.3	4.92	0		4 - OPEN	2022.2						
7/11/11M2	10:45	26.3	7.78	10:50	13.1	5.42	0		4 - OPEN	2022.2						
7/11/11M1	12:30	31.5	6.92	12:37	15.4	6.75	2	11:00 - 14:00	4 - OPEN		2028.0					
7/11/11M2	12:40	31.8	6.77	12:50	15.3	6.62	2	11:00 - 14:00	4 - OPEN		2028.0					
7/11/11M1	14:24	31.7	6.80	14:31	15.6	4.76	0		4 - OPEN	2022.2						
7/11/11M2	14:26	31.5	6.80	14:36	15.7	5.19	0		4 - OPEN	2022.2						
7/15/2011	10:30	24.0	8.10	10:37	13.5	4.80	0		4 - OPEN	2022.0						
7/15/2011	11:40	27.7	7.73	11:47	16.2	6.35	2	11:00 - 14:00	4 - OPEN		2028.0					
7/15/2011	14:30	28.1	7.75	14:37	16.5	5.01	0		4 - OPEN	2022.0						
7/16/2011	10:35	24.3	8.20	10:40	13.6	4.83	0		4 - OPEN	2021.9						
7/16/2011	11:44	27.5	7.71	11:49	16.3	6.27	2	11:00 - 14:00	4 - OPEN		2028.0					
7/16/2011	14:35	27.7	7.72	14:40	16.4	4.99	0		4 - OPEN	2021.9						
7/18/2011	9:08	23.0	7.96	9:17	12.6	3.64	0		4 - OPEN	2021.7						
7/18/2011	12:48	25.9	7.55	12:56	15.1	5.22	2	11:00 - 14:00	4 - OPEN		2028.0					
7/18/2011	14:35	24.2	7.74	14:42	16.0	4.39	0		4 - OPEN	2021.7						
7/22/2011	10:30	25.8	6.98	10:37	13.2	3.63	0		2 - Closed 2 - Open 6"	2022.7						
7/22/2011	12:30	25.6	7.38	12:40	15.9	6.77	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5					
7/22/2011	n/a	n/a	n/a	n/a	n/a	n/a	0		2 - Closed 2 - Open 6"							
7/23/2011	10:40	26.0	7.02	10:45	13.3	3.59	0		2 - Closed 2 - Open 6"							
7/23/2011	11:50	27.5	7.04	12:15	15.8	6.68	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5					
7/23/2011	n/a	n/a	n/a	n/a	n/a	n/a	0		2 - Closed 2 - Open 6"							
7/25/2011	10:37	25.7	7.33	10:43	13.1	3.68	0		2 - Closed 2 - Open 6"							
7/25/2011	11:40	25.7	7.40	11:45	15.8	6.78	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5					
7/25/2011	n/a	n/a	n/a	n/a	n/a	n/a	0		2 - Closed 2 - Open 6"							
7/29/2011	10:30	29.7	7.14	10:40	15.4	3.49	0		2 - Closed 2 - Open 6"							
7/29/2011	12:40	28.7	6.89	12:47	15.7	6.33	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5					
7/29/2011	n/a	n/a	n/a	n/a	n/a	n/a	0		2 - Closed 2 - Open 6"							
7/30/2011	10:35	24.8	7.40	10:46	13.3	3.14	0		2 - Closed 2 - Open 6"							
7/30/2011	11:37	29.3	6.78	11:45	16.6	6.35	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5					
7/30/2011	14:30	29.6	6.89	14:40	15.9	4.20	0		2 - Closed 2 - Open 6"							

(Instrument Calibrated to 2000 ft. MSL)

Date	INSTRUMENT CALIBRATION			DO MEASUREMENTS			NO. UNITS GENERATING	TIMES OF GENERATION	SLUICE GATE POSITION	NON-OPERATING TAILRACE ELEVATION	OPERATING TAILRACE ELEV.
	CAL. READINGS			DOWNSTREAM OF WEIR							
TIME	TEMP °C	DO (mg/l)	TIME	TEMP °C	DO (mg/l)						
August 2011											
8/1/2011	10:38	25.4	6.80	10:42	13.6	3.11	0		2 - Closed 2 - Open 6"	2021.6	
8/1/2011	11:45	31.2	6.57	12:00	15.6	6.18	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/1/2011	14:33	30.4	6.69	14:40	14.9	4.42	0		2 - Closed 2 - Open 6"	2021.6	
8/5/2011	9:51	25.2	7.75	10:05	13.2	3.19	0		2 - Closed 2 - Open 6"	2021.7	
8/5/2011	12:30	26.5	7.37	12:36	17.3	6.20	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/5/2011	14:27	24.4	7.65	14:35	17.8	2.52	0		2 - Closed 2 - Open 6"	2021.7	
8/6/2011	9:30	26.1	7.52	9:40	13.2	2.90	0		2 - Closed 2 - Open 6"	2021.6	
8/6/2011	11:25	24.1	7.64	11:33	17.0	6.00	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/6/2011	13:33	23.7	7.22	13:40	17.7	2.59	0		2 - Closed 2 - Open 6"	2021.6	
8/8/2011	10:42	24.1	7.80	10:51	13.2	2.53	0		2 - Closed 2 - Open 6"		2022.5
8/8/2011	13:46	28.8	6.92	13:54	16.5	5.89	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/8/2011	14:10	24.6	7.56	14:21	16.5	2.37	0		2 - Closed 2 - Open 6"		2022.5
8/12/2011	10:32	22.6	7.15	10:39	13.3	2.39	0		2 - Closed 2 - Open 6"	2021.8	
8/12/2011	13:33	30.2	6.94	13:40	17.2	6.12	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/12/2011	14:14	24.1	7.58	14:26	17.5	2.76	0		2 - Closed 2 - Open 6"	2021.8	
8/13/2011	10:44	23.9	7.81	10:51	13.9	3.06	0		2 - Closed 2 - Open 6"	2021.7	
8/13/2011	13:24	24.2	7.61	13:31	17.5	5.96	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/13/2011	14:27	23.8	7.74	14:33	16.7	2.89	0		2 - Closed 2 - Open 6"	2021.7	
8/15/2011	10:06	24.1	7.80	10:15	13.6	2.56	0		2 - Closed 2 - Open 6"	2021.8	
8/15/2011	12:52	24.6	7.49	13:00	16.8	5.85	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/15/2011	14:10	23.2	7.79	14:20	16.9	2.28	0		2 - Closed 2 - Open 6"	2021.8	
8/19/2011	10:14	24.2	7.73	10:22	13.4	3.09	0		2 - Closed 2 - Open 6"	2021.7	
8/19/2011	11:26	23.5	7.83	11:34	17.3	6.01	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/19/2011	14:30	24.2	7.78	14:37	18.4	2.53	0		2 - Closed 2 - Open 6"	2021.7	
8/20/2011	10:32	24.1	7.75	10:40	13.7	2.53	0		2 - Closed 2 - Open 6"	2021.7	
8/20/2011	13:03	32.2	6.44	13:14	17.8	6.24	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/20/2011	14:35	29.3	6.83	14:42	18.4	2.86	0		2 - Closed 2 - Open 6"	2021.7	
8/22/2011	10:13	24.3	7.75	10:22	13.6	2.64	0		2 - Closed 2 - Open 6"	2021.7	
8/22/2011	11:41	23.7	7.81	11:47	17.3	5.91	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/22/2011	14:36	26.8	7.89	14:44	18.0	2.78	0		2 - Closed 2 - Open 6"	2021.7	
8/26/2011	10:00	24.7	7.67	10:07	13.8	2.24	0		2 - Closed 2 - Open 6"	2022.4	
8/26/2011	11:42	23.6	7.78	11:50	18.0	6.15	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/26/2011	14:31	24.2	7.75	14:38	18.7	2.94	0		2 - Closed 2 - Open 6"	2022.4	
8/27/2011	10:44	25.9	7.53	10:51	13.8	2.72	0		2 - Closed 2 - Open 6"	2021.9	
8/27/2011	12:13	24.2	7.73	12:20	18.6	6.52	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/27/2011	14:33	24.1	7.70	14:41	19.2	2.91	0		2 - Closed 2 - Open 6"	2021.9	
8/29/2011	9:12	24.2	7.76	9:19	13.8	2.67	0		2 - Closed 2 - Open 6"	2021.8	
8/29/2011	11:49	23.9	7.58	11:58	17.9	6.08	2	11:00 - 14:00	2 - Closed 2 - Open 6"		2028.5
8/29/2011	14:24	23.7	7.66	14:31	19.0	2.87	0		2 - Closed 2 - Open 6"	2021.8	

(Instrument Calibrated to 2000 ft. MSL)

Date	INSTRUMENT CALIBRATION CAL. READINGS			DO MEASUREMENTS DOWNSTREAM OF WEIR			NO. UNITS GENERATING	TIMES OF GENERATION	SLUICE GATE POSITION	NON-OPERATING TAILRACE ELEVATION	OPERATING TAILRACE ELEV.
	TIME	TEMP °C	DO (mg/l)	TIME	TEMP °C	DO (mg/l)					
	September 2011										
9/2/2011	9:23	23.9	7.72	9:30	13.7	2.33	0		2 - Closed 2 - Open 6"	2021.8	
9/2/2011	11:17	24.1	7.78	11:25	18.1	6.34	2	10:00 - 13:00			2028.5
9/2/2011	13:55	23.3	6.97	14:04	18.9	3.61	0		2 - Closed 2 - Open 6"	2021.8	
9/9/2011	8:30	23.5	7.79	8:36	14.0	1.80	0		2 - Closed 2 - Open 6"	2022.9	
9/9/2011	12:32	23.7	7.64	12:35	16.5	5.89	1	10:00 - 13:00			2028.5
9/9/2011	13:50	23.3	7.80	13:56	16.8	2.42	0		2 - Closed 2 - Open 6"	2022.9	
9/10/2011	9:30	25.1	7.36	9:37	14.1	2.08	0		2 - Closed 2 - Open 6"	2022.6	
9/10/2011	10:31	22.9	7.88	10:36	18.1	6.54	2	10:00 - 13:00			2028.5
9/10/2011	13:25	24.3	7.45	13:32	18.2	3.53	0		2 - Closed 2 - Open 6"	2022.6	
9/12/2011	9:25	24.0	7.40	9:37	14.4	2.30	0		2 - Closed 2 - Open 6"	2022.2	
9/12/2011	11:30	24.2	7.59	11:40	18.2	6.72	2	10:00 - 13:00			2028.5
9/12/2011	13:30	27.1	7.17	13:37	18.6	3.86	0		2 - Closed 2 - Open 6"	2022.2	
9/13/2011	9:29	25.8	7.49	9:37	14.3	2.21	0		2 - Closed 2 - Open 6"	2022.1	
9/13/2011	11:37	25.2	7.58	11:44	18.2	6.80	2	10:00 - 13:00			2028.5
9/13/2011	13:40	25.0	7.59	13:50	19.0	4.00	0		2 - Closed 2 - Open 6"	2022.1	
9/14/2011	9:41	24.5	7.48	9:48	14.3	2.24	0		2 - Closed 2 - Open 6"	2022.1	
9/14/2011	10:43	24.8	7.63	10:50	18.1	6.83	2	10:00 - 13:00			2028.5
9/14/2011	14:11	25.6	7.52	14:18	18.8	4.03	0		2 - Closed 2 - Open 6"	2022.1	
9/19/2011	9:31	19.1	9.02	9:37	13.6	2.44	0		2 - Closed 2 - Open 6"	2022.0	
9/19/2011	10:24	18.5	8.71	10:32	18.2	7.71	2	10:00 - 13:00			2028.5
9/19/2011	14:18	21.7	8.16	14:25	19.0	6.32	0		2 - Closed 2 - Open 6"	2022.0	
9/23/2011	9:28	24.3	7.72	9:35	14.6	2.11	0		2 - Closed 2 - Open 6"	2022.0	
9/23/2011	10:41	23.2	7.79	10:47	17.9	7.63	2	10:00 - 13:00			2028.5
9/23/2011	13:15	23.7	7.63	13:25	18.0	5.77	0		2 - Closed 2 - Open 6"	2022.0	
9/26/2011	9:24	22.3	7.30	9:32	15.0	2.25	0		2 - Closed 2 - Open 6"	2022.1	
9/26/2011	10:20	19.4	8.61	10:25	18.0	7.76	2	10:00 - 18:00			2028.5
9/30/2011	9:44	24.6	7.69	9:50	15.0	2.08	0		2 - Closed 2 - Open 6"	2022.0	
9/30/2011	10:49	17.1	8.96	10:58	17.3	7.25	2	10:00 - 13:00			2028.5
9/30/2011	13:51	16.0	9.19	13:58	17.6	4.80	0		2 - Closed 2 - Open 6"	2022.0	
October 2011											
10/1/2011	9:37	24.3	7.77	9:43	14.9	2.10	0		2 - Closed 2 - Open 6"	2022.0	
10/1/2011	11:00	16.9	8.89	11:05	17.2	7.82	2	10:00 - 13:00			2028.5
10/1/2011	13:40	15.6	9.00	13:45	17.4	2.20	0		2 - Closed 2 - Open 6"	2022.0	

APPENDIX E

WATER APPROPRIATION AND USE PERMIT - GA1992S009(08)



MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230

410-537-3000 • 1-800-633-6101

Martin O'Malley
Governor

Robert M. Summers, Ph.D.
Secretary

Anthony G. Brown
Lieutenant Governor

June 17, 2011

CERTIFIED MAIL - 7008 1830 0002 9396 6633
Return Receipt Requested

BROOKFIELD POWER PINEY & DEEP CREEK LLC
C/O GLENN NEIPORT, SUPERINTENDENT
2000 RIVER ROAD
CLARION, PA 16124

RE: State Water Appropriation
Permit No. GA1992S009(08)
Revision 08

Steyn
Dear Mr. Neipport:

Enclosed is your revised State Water Appropriation Permit. This permit reflects the Department's careful consideration of the various beneficial uses at Deep Creek Lake with the goal of balancing the needs of the stakeholders. Brookfield's participation in the stakeholder process and its commitment to complying with the permit is appreciated.

As you know, semi-annual Water Withdrawal Reports are required by this permit. Forms for making these reports will be mailed to you in June and December of each year.

If you have any questions, please contact this office at (410) 537-3590.

Sincerely,

J. Grace

JOHN GRACE
Water Supply Program

cc: GARRETT COUNTY HEALTH DEPARTMENT
RANDY GARLETT, BROOKFIELD POWER PINEY & DEEP CREEK LLC

STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

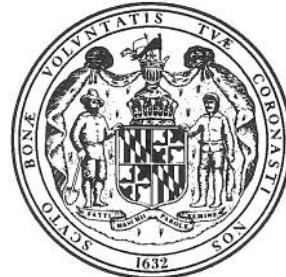
WATER APPROPRIATION AND USE PERMIT

PERMIT NUMBER: GA1992S009 (08)

EFFECTIVE DATE: JUNE 1, 2011

EXPIRATION DATE: APRIL 1, 2019

FIRST APPROPRIATION: JANUARY 1, 1925



BROOKFIELD POWER PINEY & DEEP CREEK LLC

HEREINAFTER REFERRED TO AS THE "PERMITTEE", IS AUTHORIZED BY THE WATER MANAGEMENT ADMINISTRATION, HEREINAFTER REFERRED TO AS THE "ADMINISTRATION" PURSUANT TO THE PROVISIONS OF TITLE 5 OF THE ENVIRONMENT ARTICLE, ANNOTATED CODE OF MARYLAND (2007 REPLACEMENT VOLUME) AS AMENDED, TO APPROPRIATE AND USE WATERS OF THE STATE SUBJECT TO THE FOLLOWING CONDITIONS:

1. ALLOCATION - THE WATER WITHDRAWAL GRANTED BY THIS PERMIT IS LIMITED TO:
A DAILY AVERAGE OF 94,000,000 GALLONS ON A YEARLY BASIS AND A MAXIMUM DAILY WITHDRAWAL OF 420,000,000 GALLONS.
2. USE - THE WATER IS TO BE USED FOR HYDROELECTRIC GENERATION, TEMPERATURE ENHANCEMENT, WHITEWATER BOATING ENHANCEMENT, AND MAINTENANCE OF MINIMUM FLOWS IN THE YOUGHIOGHENY RIVER.
3. SOURCE - THE WATER SHALL BE TAKEN FROM DEEP CREEK LAKE.
4. LOCATION - THE POINT(S) OF WITHDRAWAL SHALL BE LOCATED AT THE EXISTING INTAKE STRUCTURE AT THE DEEP CREEK LAKE DAM, THREE MILES WEST OF THAYERVILLE, GARRETT COUNTY, MARYLAND.

CONTINUED ON PAGE 2

5. RIGHT OF ENTRY - THE PERMITTEE SHALL ALLOW AUTHORIZED REPRESENTATIVES OF THE ADMINISTRATION ACCESS TO THE PERMITTEE'S FACILITY TO CONDUCT INSPECTIONS AND EVALUATIONS NECESSARY TO ASSURE COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT. THE PERMITTEE SHALL PROVIDE SUCH ASSISTANCE AS MAY BE NECESSARY TO EFFECTIVELY AND SAFELY CONDUCT SUCH INSPECTIONS AND EVALUATIONS.
6. PERMIT REVIEW - THE PERMITTEE WILL BE QUERIED EVERY THREE YEARS (TRIENNIAL REVIEW) REGARDING WATER USE UNDER THE TERMS AND CONDITIONS OF THIS PERMIT. FAILURE TO RETURN THE TRIENNIAL REVIEW QUERY WILL RESULT IN SUSPENSION OR REVOCATION OF THIS PERMIT.
7. PERMIT RENEWAL - THIS PERMIT WILL EXPIRE ON THE DATE INDICATED ON THE FIRST PAGE OF THIS PERMIT. IN ORDER TO RENEW THE PERMIT THE PERMITTEE SHALL FILE A RENEWAL APPLICATION WITH THE ADMINISTRATION NO LATER THAN 45 DAYS PRIOR TO THE EXPIRATION.
8. PERMIT SUSPENSION OR REVOCATION - THIS PERMIT MAY BE SUSPENDED OR REVOKED BY THE ADMINISTRATION UPON VIOLATION OF THE CONDITIONS OF THIS PERMIT, OR UPON VIOLATION OF ANY REGULATION PROMULGATED PURSUANT TO TITLE 5 OF THE ENVIRONMENT ARTICLE, ANNOTATED CODE OF MARYLAND (1996 REPLACEMENT VOLUME) AS AMENDED.
9. CHANGE OF OPERATIONS - ANY ANTICIPATED CHANGE IN APPROPRIATION WHICH MAY RESULT IN A NEW OR DIFFERENT USE, QUANTITY, SOURCE, OR PLACE OF USE OF WATER SHALL BE REPORTED TO THE ADMINISTRATION BY THE PERMITTEE BY SUBMISSION OF A NEW APPLICATION.
10. ADDITIONAL PERMIT CONDITIONS - THE ADMINISTRATION MAY AT ANYTIME (INCLUDING TRIENNIAL PERMIT REVIEW OR WHEN A CHANGE APPLICATION IS SUBMITTED) REVISE ANY CONDITION OF THIS PERMIT OR ADD ADDITIONAL CONDITIONS CONCERNING THE CHARACTER, AMOUNT, MEANS AND MANNER OF THE APPROPRIATION OR USE, WHICH MAY BE NECESSARY TO PROPERLY PROTECT, CONTROL AND MANAGE THE WATER RESOURCES OF THE STATE. CONDITION REVISIONS AND ADDITIONS WILL BE ACCOMPLISHED BY ISSUANCE OF A REVISED PERMIT.
11. NON-TRANSFERRABLE - THIS PERMIT IS NON-TRANSFERRABLE. A NEW OWNER MAY ACQUIRE AUTHORIZATION TO CONTINUE THIS APPROPRIATION BY FILING A NEW APPLICATION WITH THE ADMINISTRATION. AUTHORIZATION WILL BE ACCOMPLISHED BY ISSUANCE OF A NEW PERMIT.

12. FLOW MEASUREMENT - THE PERMITTEE SHALL MEASURE ALL WATER USED UNDER THIS PERMIT BY A METHOD WHICH SHALL BE APPROVED BY THE ADMINISTRATION. THE PERMITTEE SHALL MAINTAIN A DAILY LOG, SUBJECT TO INSPECTION BY AN AUTHORIZED REPRESENTATIVE OF THE ADMINISTRATION.
13. WITHDRAWAL REPORTS - THE PERMITTEE SHALL SUBMIT TO THE ADMINISTRATION, SEMI-ANNUALLY (JULY-DECEMBER, NO LATER THAN JANUARY 31 AND JANUARY-JUNE, NO LATER THAN JULY 31), WATER USE RECORDS. THESE RECORDS SHALL SHOW THE TOTAL QUANTITY OF WATER RELEASED EACH MONTH UNDER THIS PERMIT.
14. RULE BAND AND OPERATION PROTOCOLS - THE PERMITTEE SHALL OPERATE THE DEEP CREEK HYDROELECTRIC PROJECT (PROJECT) ACCORDING TO THE PROJECT OPERATING RULES SPECIFIED THROUGHOUT THIS PERMIT SUCH THAT WATER ELEVATIONS IN DEEP CREEK LAKE ARE MAINTAINED WITHIN THE OPERATING RULE BAND EXCEPT THAT EXCURSIONS OF UP TO 0.3 FEET ABOVE THE OPERATING RULE BAND LASTING NOT MORE THAN 21 DAYS ARE ALLOWED FROM MAY THROUGH OCTOBER, AND EXCEPT IN THE EVENT OF UNUSUAL OR EMERGENCY CONDITIONS AS DEFINED BELOW. THE UPPER AND LOWER RULE BANDS ARE THE HIGHEST AND LOWEST DESIRABLE RESERVOIR LEVELS AT THE END OF EACH MONTH. THE UPPER AND LOWER END OF EACH MONTH ARE DEFINED IN THE FOLLOWING TABLE. WHEN LAKE LEVELS ARE ABOVE THE UPPER RULE BAND, THE PERMITTEE MAY RELEASE WATER AS NEEDED TO DRAW DOWN THE LAKE TO A LEVEL WITHIN THE RULE BAND. ELEVATIONS ARE GIVEN IN FEET ABOVE MEAN SEA LEVEL.

PROJECT OPERATING RULE BAND

MONTH	UPPER BAND ELEVATIONS	LOWER BAND ELEVATIONS
JANUARY	2457.9	2455.0
FEBRUARY	2457.9	2456.0
MARCH	2459.5	2458.0
APRIL	2461.0	2459.6
MAY	2461.0	2460.0
JUNE	2461.0	2460.0
JULY	2461.0	2459.0
AUGUST	2460.0	2458.0
SEPTEMBER	2459.0	2457.0
OCTOBER	2458.0	2456.0
NOVEMBER	2457.9	2455.0
DECEMBER	2457.9	2455.0

- (A) A SYSTEM EMERGENCY, DEFINED AS MAXIMUM EMERGENCY GENERATION UNDER THE PENNSYLVANIA-NEW JERSEY-MARYLAND INTERCONNECTION (PJM) HIERARCHY OF EMERGENCY ORDERS, OR EMERGENCY LOADING OF SPINNING RESERVE CAPACITY, OR EMERGENCY CONTROL OF TRANSMISSION FACILITY LOADING;

14. RULE BAND AND OPERATION PROTOCOLS CONT'D

- (B) A SITE EMERGENCY SUCH AS FAILURE OR PROBABLE FAILURE OF THE DAM THAT REQUIRES MAXIMUM RELEASE FOR RAPID DRAWDOWN OF THE RESERVOIR;
- (C) A SITE EMERGENCY OR OTHER FORCED (UNSCHEDULED) OUTAGE REQUIRING SHUTDOWN OF THE INTAKE, POWER TUNNEL, PENSTOCKS, OR GENERATING UNITS, RESULTING IN THE INABILITY TO GENERATE OR TO OPERATE THE PROPOSED MINIMUM RELEASE BYPASS;
- (D) MAINTENANCE OF THE DAM OR REPAIR OF LAKE SHORELINE EROSION WHICH REQUIRES LOWERING OF LAKE LEVEL BELOW THE LOWER RULE BAND TO ALLOW ACCESS OR TO CONTROL INFLOW;
- (E) ACTUAL OR FORECAST EXTRAORDINARILY HIGH RUNOFF OR RAINFALL WHICH REQUIRES UNLIMITED GENERATION IN ORDER TO KEEP THE LAKE LEVEL FROM AVOID SPILLING OVER THE TOP OF THE DAM SPILLWAY.

THE DURATION AND TIMING OF PLANNED OUTAGES SHALL BE APPROVED IN ADVANCE BY THE ADMINISTRATION. IN PROPOSING PLANNED OUTAGES, THE PERMITTEE SHALL DETAIL REASONS WHY THE OUTAGE IS NECESSARY AS WELL AS HOW THE OUTAGE WILL IMPACT THE FISHERY AND WHITEWATER RECREATION IN THE YOUGHIOGHENY RIVER. TO THE EXTENT POSSIBLE, PLANNED OUTAGES SHALL NOT OCCUR DURING MID-APRIL THROUGH MID-OCTOBER.

15. LAKE LEVEL MONITORING AND REPORTING - THE PERMITTEE SHALL MEASURE AND RECORD THE WATER ELEVATIONS IN THE DEEP CREEK LAKE AT APPROXIMATELY THE SAME TIME EACH DAY. THE PERMITTEE SHALL REPORT THE RESULTS OF WATER-LEVEL MONITORING TO THE ADMINISTRATION ON AN ANNUAL BASIS, AND SHALL MAINTAIN A DAILY LOG OF MEASUREMENTS, SUBJECT TO INSPECTION BY THE ADMINISTRATION.

16. TEMPERATURE ENHANCEMENT IN THE YOUGHIOGHENY RIVER - THE PERMITTEE SHALL IMPLEMENT A PLAN APPROVED BY THE ADMINISTRATION FOR USING PROJECT OPERATION, OR A COMBINATION OF MINIMUM FLOW RELEASES AND PROJECT OPERATION, TO MAINTAIN WATER TEMPERATURES LESS THAN 25 DEGREES C IN THE YOUGHIOGHENY RIVER BETWEEN THE PROJECT TAILRACE AND SANG RUN, DURING THE MONTHS OF JUNE, JULY, AND AUGUST. THE PLAN MUST INCLUDE A TRIGGERING MECHANISM AND REAL-TIME MONITORING OF RIVER TEMPERATURE. THE PLAN MUST INCLUDE A PROTOCOL FOR PREDICTING TEMPERATURE RELEASES ON THE MORNING OF THE RELEASE, AS EARLY AS THREE HOURS IN ADVANCE. THE PERMITTEE SHALL REPORT TO THE ADMINISTRATION ALL OCCURRENCES OF WATER TEMPERATURES EQUALING

16. TEMPERATURE ENHANCEMENT IN THE YOUGHIOGHENY RIVER CONT'D

OR EXCEEDING 25 DEGREES C WITHIN 30 DAYS OF THE DATE OF OCCURRENCE, INCLUDING PROPOSED MEASURES OR CHANGES TO THE PLAN TO PRECLUDE FUTURE INCIDENTS WHERE WATER TEMPERATURE EQUALS OR EXCEEDS 25 DEGREES C. THE PERMITTEE SHALL INCLUDE THE RESULTS OF TEMPERATURE MONITORING IN AN ANNUAL REPORT. THE PERMITTEE SHALL, IN CONSULTATION WITH THE ADMINISTRATION, CONTINUE TO REFINE OR REVISE THE PLAN WITH THE OBJECTIVE OF MAINTAINING WATER TEMPERATURES IN THE RIVER BETWEEN THE PROJECT TAILRACE AND SANG RUN BELOW 25 DEGREES C AT ALL TIMES DURING THE MONTHS OF JUNE, JULY AND AUGUST.

17. MINIMUM FLOW RELEASES - THE PERMITTEE SHALL MAINTAIN AND OPERATE A BYPASS SYSTEM AT THE PROJECT TO MAINTAIN A MINIMUM FLOW OF 40 CFS IN THE YOUGHIOGHENY RIVER DOWNSTREAM OF THE PROJECT TAILRACE. THE MINIMUM FLOW SHALL BE MAINTAINED AT ALL TIMES BELOW THE TAILRACE. A REDUCTION IN THE MINIMUM FLOW BELOW 40 CFS MAY BE REQUESTED OF THE ADMINISTRATION WHEN RESERVOIR LEVELS ARE ONE FOOT OR MORE BELOW THE LOWER RULE BAND. THE PERMITTEE SHALL ESTIMATE FLOW IN THE YOUGHIOGHENY RIVER IMMEDIATELY BELOW THE TAILRACE AT APPROXIMATELY THE SAME TIME EACH DAY. MEASUREMENTS TAKEN BY THE PERMITTEE IN MARCH 2011 INDICATE THAT 20.7 CFS FLOWED IN THE TAILRACE WHEN THE BYPASS SYSTEM WAS CLOSED, BOTH PENSTOCKS WERE OPEN, WICKET GATES WERE CLOSED AND NO POWER GENERATION WAS OCCURRING. THE PERMITTEE SHALL USE THE BEST AVAILABLE ESTIMATE OF CURRENT LEAKAGE THROUGH THE WICKET GATES TO DETERMINE THE QUANTITY OF BYPASS FLOW NEEDED TO MEET THE 40 CFS FLOW IN THE YOUGHIOGHENY RIVER BELOW THE TAILRACE. A REPORT OF FLOW ESTIMATES AND THE OCCURRENCE OF BYPASS RELEASES SHALL BE SUBMITTED TO THE ADMINISTRATION IN AN ANNUAL REPORT, AND A DAILY LOG OF SUCH RELEASES SHALL BE MAINTAINED, SUBJECT TO INSPECTION BY AN AUTHORIZED REPRESENTATIVE OF THE ADMINISTRATION.

THE PERMITTEE SHALL PROVIDE A CONTINUOUS FLOW OF AT LEAST 9 CFS IN THE TAILRACE (WICKET GATE LOSS) DURING THE MONTHS OF JUNE, JULY, AUGUST, AND SEPTEMBER EVEN WHEN THERE IS NO MINIMUM BYPASS FLOW AS REQUIRED BY THIS CONDITION.

THE PERMITTEE SHALL MEASURE FLOW IN THE TAILRACE, FOLLOWING METHODS OF THE UNITED STATES GEOLOGICAL SURVEY (USGS), DURING THE MONTHS OF JUNE, AUGUST, AND OCTOBER 2011. FLOW SHALL BE MEASURED WHEN NO POWER GENERATION IS OCCURRING, THE WICKET GATES ARE CLOSED, THE BYPASS FLOW VALVE IS CLOSED, WITH ONE PENSTOCK VALVE OPEN, AND THEN WITH BOTH PENSTOCK VALVES ARE OPEN.

17. MINIMUM FLOW RELEASES CONT'D

THE PERMITTEE SHALL REPORT THE RESULTS OF THE MEASUREMENTS TO THE ADMINISTRATION WITHIN TWO WEEKS OF THE MEASUREMENTS WITH ALL SUPPORTING RAW DATA AND CALCULATIONS, AND DOCUMENTATION OF VELOCITY METER USED AND VALVE POSITIONS.

BY DECEMBER 31, 2011 THE PERMITTEE SHALL SUBMIT A PLAN TO THE ADMINISTRATION FOR REVIEW AND APPROVAL OUTLINING BOTH NEAR TERM AND LONGER TERM MEASURES THAT THE PERMITTEE WILL TAKE TO MINIMIZE THE ADVERSE IMPACTS OF WICKET GATE LOSSES ON LAKE LEVELS WHILE MAINTAINING A REQUIRED MINIMUM DISCHARGE OF 9 CFS IN THE TAILRACE.

18. DISSOLVED OXYGEN MITIGATION - THE PERMITTEE SHALL MAINTAIN AND OPERATE A TAILRACE WEIR DESIGNED TO INCREASE DISSOLVED OXYGEN LEVELS IN ALL PROJECT DISCHARGES ABOVE MARYLAND WATER QUALITY STANDARDS AS OUTLINED IN COMAR 26.08.02 (5 PPM MINIMUM, 6 PPM DAILY AVERAGE). THE PERMITTEE SHALL MONITOR DISSOLVED OXYGEN LEVELS OF PROJECT DISCHARGES BY A METHOD APPROVED BY THE ADMINISTRATION DURING JUNE 1 TO OCTOBER 1. THE RESULTS OF DISSOLVED OXYGEN MONITORING SHALL BE SUBMITTED TO THE ADMINISTRATION IN AN ANNUAL REPORT. THE PERMITTEE SHALL MAINTAIN A LOG OF MEASUREMENTS, SUBJECT TO INSPECTION BY AN AUTHORIZED REPRESENTATIVE OF THE ADMINISTRATION.

19. RELEASES FOR WHITEWATER RECREATION

A) WHITEWATER RELEASES. THERE ARE TWO TYPES OF SCHEDULED WHITEWATER RELEASES (WWR); STANDARD AND SPECIAL RELEASES. ALL WWR ARE SUBJECT TO THE RULE BAND AND OPERATION REQUIREMENTS IN CONDITION 14, THE TEMPERATURE ENHANCEMENT RELEASE (TER) REQUIREMENTS IN CONDITION 16 AND THE PARAMETERS DEFINED BELOW IN PARAGRAPH B. THE INTENT OF WWR IS TO ENHANCE RECREATIONAL WHITEWATER ENJOYMENT FROM THE PROJECT TAILRACE TO FRIENDSVILLE.

19. RELEASES FOR WHITEWATER RECREATION CONT'D

I) STANDARD WWR. WITH THE EXCEPTION OF THE SPECIAL WWR CONDITIONS IN PARAGRAPH II) BELOW, STANDARD WWR WILL OCCUR ON SUNDAYS, MONDAYS, FRIDAYS, AND SATURDAYS BETWEEN APRIL 15TH AND OCTOBER 15TH IN ACCORDANCE WITH THE FOLLOWING TABLE AND MAY BE MODIFIED BY ITEMS II) AND III) BELOW.

<u>MONTH</u>	<u>SUNDAY</u>	<u>MONDAY</u>	<u>FRIDAY</u>	<u>SATURDAY</u>
APRIL	NONE	NONE	ALL FRIDAYS AFTER APRIL 14TH (1000 HR TO 1300 HR)	NONE
MAY	NONE	1ST TWO MONDAYS (1000 HR TO 1300 HR)	1ST THREE FRIDAYS (1000 HR TO 1300 HR)	1ST SATURDAY (1000 HR TO 1300 HR)
MEMORIAL DAY WEEKEND	ODD NUMBERED YEARS (1000 HR TO 1300 HR)	ODD NUMBERED YEARS (1000 HR TO 1300 HR)	EVEN NUMBERED YEARS (1000 HR TO 1300 HR)	EVEN NUMBERED YEARS (1000 HR TO 1300 HR)
JUNE	NONE	EVERY MONDAY (1100 HR TO 1400 HR)	EVERY FRIDAY (1100 HR TO 1400 HR)	LAST TWO SATURDAYS (1100 HR TO 1400 HR)
JULY	NONE	EVERY MONDAY (1100 HR TO 1400 HR)	EVERY FRIDAY (1100 HR TO 1400 HR)	EVERY SATURDAY (1100 HR TO 1400 HR) (see also Special WWR below)
AUGUST	NONE	EVERY MONDAY (1100 HR TO 1400 HR)	EVERY FRIDAY (1100 HR TO 1400 HR)	EVERY SATURDAY (1100 HR TO 1400 HR)
SEPTEMBER	NONE	EVERY MONDAY (1000 HR TO 1300 HR)	EVERY FRIDAY (1000 HR TO 1300 HR)	FIRST TWO SATURDAYS (1000 HR TO 1300 HR)
OCTOBER	NONE	ALL MONDAYS BEFORE OCTOBER 16TH (1000 HR TO 1300 HR)	ALL FRIDAYS BEFORE OCTOBER 16TH (1000 HR TO 1300 HR)	FIRST SATURDAY (1000 HR TO 1300 HR)

19. RELEASES FOR WHITEWATER RECREATION CONT'D

- II) SPECIAL WWR. SPECIAL WWR MUST BE REQUESTED IN WRITING TO THE ADMINISTRATION NO LATER THAN 30 CALENDAR DAYS BEFORE THE SPECIAL WWR AND WILL, AT A MINIMUM, INCLUDE:
 - + ANNUAL TEAM FRIENDSVILLE UPPER YOUGH RACE WWR. THE FOURTH SATURDAY WWR IN JULY WILL BE AN EXTENDED SIX (6) HOUR CONTINUOUS RELEASE BETWEEN 1100 HOURS AND 1700 HOURS TO ACCOMMODATE THE ANNUAL TEAM FRIENDSVILLE UPPER YOUGH RACE. THE ANNUAL TEAM FRIENDSVILLE UPPER YOUGH RACE WWR IS CONTINGENT ON THE LAKE LEVEL ELEVATION BEING HIGHER THAN THE ONE (1) FOOT BELOW THE LOWER RULE BAND ON THE DAY OF THE WWR.
 - + GAULEY WEEK WWR. GAULEY WEEK RELEASES INCLUDE CONTINUOUS THREE (3) HOUR RELEASES FROM 1000 HOURS TO 1300 HOURS ON TUESDAY, WEDNESDAY, AND THURSDAY OF THE WEEK BEFORE THE GAULEY FESTIVAL WEEKEND IN SUMMERSVILLE, WEST VIRGINIA. THE GAULEY FESTIVAL WEEKEND IS TYPICALLY SCHEDULED DURING THE SECOND HALF OF SEPTEMBER. EACH DAY OF THE GAULEY WEEK WWR IS CONTINGENT ON THE LAKE LEVEL ELEVATION BEING HIGHER THAN THE LOWER RULE BAND.
- III) SYNCHRONIZATION OF WWR WITH TER. ON SCHEDULED WWR DAYS THE PERMITTEE IS NOT REQUIRED TO RUN THE TER PROTOCOL, UNLESS THE WWR WOULD NOT OCCUR DUE TO LOW LAKE LEVELS.
- B) FROM APRIL 15TH THROUGH OCTOBER 15TH, THE FOLLOWING ADDITIONAL OPERATING RULES WILL ALSO BE IN EFFECT:
 - I) THE PERMITTEE SHALL NOT OPERATE THE PROJECT FOR HYDROELECTRIC GENERATION BEFORE 1300 HOURS WHEN NATURAL FLOWS AS MEASURED AT FRIENDSVILLE USGS GAGE 03076500 (FRIENDSVILLE) ARE BETWEEN 1300 AND 2500 CFS UNLESS AN UNUSUAL OR EMERGENCY CONDITION EXISTS, OR LAKE EXCEEDS THE UPPER RULE BAND.

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19. RELEASES FOR WHITEWATER RECREATION CONT'D

- II) WHEN NATURAL FLOWS AS MEASURED AT FRIENDSVILLE ARE GREATER THAN 600, BUT LESS THAN 1300 CFS, AND LAKE ELEVATION IS WITHIN THE RULE BANDS SPECIFIED IN CONDITION 14, POWERHOUSE DISCHARGE SHALL BE NO GREATER THAN THE MAXIMUM DISCHARGE OF ONE TURBINE FOR THE FIRST THREE (3) HOURS OF SCHEDULED GENERATION.
- III) DURING WEEKS THAT CONTAIN A SATURDAY RELEASE, THE PERMITTEE SHALL MAKE RELEASES ON SATURDAYS WHEN THE LAKE LEVEL IS HIGHER THAN ELEVATION THAT IS ONE FOOT BELOW THE LOWER RULE BAND, AND ON SUNDAYS, MONDAYS AND FRIDAYS WHEN THE LAKE LEVEL IS ABOVE THE LOWER RULE BAND.
- IV) DURING WEEKS THAT DO NOT CONTAIN A SATURDAY RELEASE, THE PERMITTEE SHALL MAKE RELEASES ON FRIDAYS WHEN THE LAKE LEVEL IS HIGHER THAN AN ELEVATION THAT IS ONE FOOT BELOW THE LOWER RULE BAND, AND ON SUNDAYS AND MONDAYS WHEN THE LAKE LEVEL IS ABOVE THE LOWER RULE BAND.
- V) THE PERMITTEE MAY VARY POWERHOUSE DISCHARGE DURING ANY WWR IN ACCORDANCE WITH EITHER OF THE FOLLOWING TWO APPROACHES EXCEPT DURING THE ANNUAL TEAM FRIENDSVILLE UPPER YOUGH RACE WWR.
 - (1) 3RD HOUR REGULATION APPROACH
 - + WHEN NATURAL FLOW AS MEASURED AT FRIENDSVILLE IS LESS THAN 600 CFS, POWERHOUSE DISCHARGE MAY VARY BETWEEN 320 CFS AND MAXIMUM DISCHARGE OF TWO TURBINES DURING THE THIRD HOUR OF ANY WWR SO LONG AS POWERHOUSE DISCHARGE DURING THE FIRST TWO HOURS OF THE WWR IS HELD CONSTANT AT MAXIMUM DISCHARGE OF TWO TURBINES.
 - + WHEN NATURAL FLOW AS MEASURED AT FRIENDSVILLE IS GREATER THAN 600 CFS BUT LESS THAN 1300 CFS, POWERHOUSE DISCHARGE MAY VARY BETWEEN 220 CFS AND MAXIMUM DISCHARGE OF ONE TURBINE DURING THE THIRD HOUR OF ANY WWR SO LONG AS POWER HOUSE DISCHARGE DURING THE FIRST TWO HOURS OF THE WWR IS HELD CONSTANT AT MAXIMUM DISCHARGE OF ONE TURBINE.

19. RELEASES FOR WHITEWATER RECREATION CONT'D

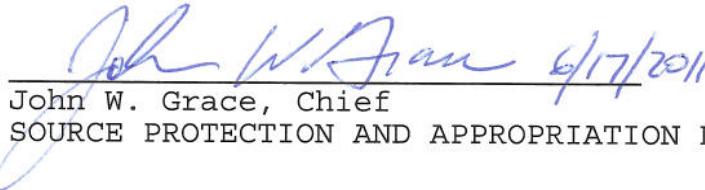
(2) ALL HOUR REGULATION APPROACH.

- + WHEN NATURAL FLOW AS MEASURED AT FRIENDSVILLE IS LESS THAN OR EQUAL TO 300 CFS, POWERHOUSE DISCHARGE WILL BE HELD CONSTANT AT MAXIMUM DISCHARGE OF TWO TURBINES FOR ALL THREE HOURS OF ANY WWR.
- + WHEN NATURAL FLOW AS MEASURED AT FRIENDSVILLE IS BETWEEN 300 AND 600 CFS, POWERHOUSE DISCHARGE MAY VARY BETWEEN 320 AND MAXIMUM DISCHARGE OF TWO TURBINES DURING ANY PART OF ANY THREE HOUR WWR.
- + WHEN NATURAL FLOW AS MEASURED AT FRIENDSVILLE IS GREATER THAN 600 CFS BUT LESS THAN 1300 CFS, POWERHOUSE DISCHARGE MAY VARY BETWEEN 220 CFS AND MAXIMUM DISCHARGE OF ONE TURBINE DURING ANY PART OF ANY THREE HOUR WWR.

20. ANNOUNCEMENT OF EXPECTED RELEASES - ON EACH THURSDAY, THE PERMITTEE SHALL PLACE ON A RECORDED MESSAGE ACCESSIBLE TO THE PUBLIC BY TELEPHONE, A FORECAST OF EXPECTED RELEASES FOR THE FOLLOWING WEEK. EACH MORNING, BETWEEN 0700 AND 0800 HOURS, THE PERMITTEE SHALL PLACE ON THE RECORDED MESSAGE INFORMATION ON THE SCHEDULED RELEASES FOR THE NEXT 48 HOURS.
21. ZEBRA MUSSEL MONITORING - THE PERMITTEE SHALL IMPLEMENT A ZEBRA MUSSEL (*DREISSENA POLYMORPHA*) MONITORING PROGRAM APPROVED BY THE ADMINISTRATION. THE RESULTS OF SUCH MONITORING SHALL BE SUBMITTED IN AN ANNUAL REPORT.
22. NOTICE OF GENERATION RELEASES - AT STRATEGIC LOCATIONS, SELECTED IN CONSULTATION WITH THE ADMINISTRATION AND INCLUDING THE SANG RUN AND HOYES RUN ACCESS AREAS, THE PERMITTEE SHALL PROMINENTLY DISPLAY WARNING NOTICES REGARDING THE HAZARD OF RAPID WATER LEVEL FLUCTUATIONS ASSOCIATED WITH WATER RELEASES FROM DEEP CREEK LAKE.

23. ANNUAL REPORT - THE PERMITTEE SHALL SUBMIT AN ANNUAL REPORT TO THE ADMINISTRATION NO LATER THAN JANUARY 31 OF EACH YEAR. THE REPORT SHALL INCLUDE THE FOLLOWING DATA FOR THE PREVIOUS CALENDAR YEAR:
- A) LAKE LEVEL MONITORING (CONDITION 15);
 - B) TEMPERATURE MONITORING (CONDITION 16);
 - C) MINIMUM FLOW RELEASE MONITORING (CONDITION 17);
 - D) DISSOLVED OXYGEN MONITORING (CONDITION 18);
 - E) RELEASES UNSUITABLE FOR WHITEWATER RECREATION (CONDITION 19);
 - F) ZEBRA MUSSEL MONITORING (CONDITION 21).
24. PERMIT SUPERSESSION - THIS PERMIT HAS BEEN REVIEWED AND REVISED AND SUPERSEDES THE APPROPRIATION AND USE GRANTED BY THE FOLLOWING PRIOR PERMIT ISSUED TO:
BROOKFIELD POWER PINEY AND DEEP CREEK LLC ON APRIL 27, 2005
(GA1992S009(07))

BY AUTHORITY OF THE DIRECTOR
WATER MANAGEMENT ADMINISTRATION


John W. Grace, Chief

SOURCE PROTECTION AND APPROPRIATION DIV

APPENDIX F

ZEBRA MUSSEL MONITORING REPORTS



Deep Creek Lake, MD Zebra Mussel Monitoring Report

Brookfield Renewable Power
14 River View Terrace
Oakland, MD 21550
Phone: 301-387-6616
Fax: 301-387-5809



Collector's Name Sean Fredlock

Year 2011

Month 4

Day 14

Hour 9:45

Water Temperature ° F 66

How many days was the sampler exposed to the water prior to collecting this data? 30

Are zebra mussels present at the site? (X NO) (YES) If yes
comment below and notify the Superintendent and Maryland Department of Natural Resources immediately.

Other organisms observed on the sampler? NO

Comments



Deep Creek Lake, MD Zebra Mussel Monitoring Report

Brookfield Renewable Power
14 River View Terrace
Oakland, MD 21550
Phone: 301-387-6616
Fax: 301-387-5809



Collector's Name Sean Fredlock

Year 2011

Month 5

Day 12

Hour 11:45

Water Temperature ° F 69

How many days was the sampler exposed to the water prior to collecting this data? 37

Are zebra mussels present at the site? (X NO) (YES) If yes
comment below and notify the Superintendent and Maryland Department of Natural Resources immediately.

Other organisms observed on the sampler? NO

Comments



Deep Creek Lake, MD Zebra Mussel Monitoring Report

Brookfield Renewable Power
14 River View Terrace
Oakland, MD 21550
Phone: 301-387-6616
Fax: 301-387-5809



Collector's Name Sean Fredlock

Year 2011

Month 6

Day 15

Hour 13:30

Water Temperature ° F 73

How many days was the sampler exposed to the water prior to collecting this data? 28

Are zebra mussels present at the site? (X NO) (YES) If yes
comment below and notify the Superintendent and Maryland Department of Natural Resources immediately.

Other organisms observed on the sampler? NO

Comments



Deep Creek Lake, MD Zebra Mussel Monitoring Report

Brookfield Renewable Power
14 River View Terrace
Oakland, MD 21550
Phone: 301-387-6616
Fax: 301-387-5809



Collector's Name Sean Fredlock

Year 2011

Month 7

Day 12

Hour 10:00

Water Temperature ° F 78

How many days was the sampler exposed to the water prior to collecting this data? 30

Are zebra mussels present at the site? (X NO) (YES) If yes
comment below and notify the Superintendent and Maryland Department of Natural Resources immediately.

Other organisms observed on the sampler? NO

Comments



Deep Creek Lake, MD Zebra Mussel Monitoring Report

Brookfield Renewable Power
14 River View Terrace
Oakland, MD 21550
Phone: 301-387-6616
Fax: 301-387-5809



Collector's Name Sean Fredlock

Year 2011

Month 8

Day 14

Hour 9:30

Water Temperature ° F 76

How many days was the sampler exposed to the water prior to collecting this data? 32

Are zebra mussels present at the site? (X NO) (YES) If yes
comment below and notify the Superintendent and Maryland Department of Natural Resources immediately.

Other organisms observed on the sampler? NO

Comments



Deep Creek Lake, MD Zebra Mussel Monitoring Report

Brookfield Renewable Power
14 River View Terrace
Oakland, MD 21550
Phone: 301-387-6616
Fax: 301-387-5809



Collector's Name Sean Fredlock

Year 2011

Month 9

Day 15

Hour 9:30

Water Temperature ° F 76

How many days was the sampler exposed to the water prior to collecting this data? 30

Are zebra mussels present at the site? (X NO) (YES) If yes
comment below and notify the Superintendent and Maryland Department of Natural Resources immediately.

Other organisms observed on the sampler? NO

Comments



Deep Creek Lake, MD Zebra Mussel Monitoring Report

Brookfield Renewable Power
14 River View Terrace
Oakland, MD 21550
Phone: 301-387-6616
Fax: 301-387-5809



Collector's Name Sean Fredlock ,

Year 2011

Month 10

Day 10

Hour 11:00

Water Temperature ° F 62.5

How many days was the sampler exposed to the water prior to collecting this data? 25

Are zebra mussels present at the site? (X NO) (YES) If yes
comment below and notify the Superintendent and Maryland Department of Natural Resources immediately.

Other organisms observed on the sampler? NO

Comments _____

