ENTERED

Allen, Pam, NMENV

From: Maestas, Ricardo, NMENV
Sent: Thursday, June 26, 2014 7:43 AM
To: Allen, Pam, NMENV
Subject: FW: FINAL EMAIL (EMAIL No. 6) Weekly Report as Requested per Item 14 of Administrative Order Under NM Hazardous Waste Act Section 74-4-13
Attachments: Environmental Sampling.pdf; Meteorological Data Feb 5_Mar9_2014.xls

Email and att. for March

From: Kliphuis, Trais, NMENV
Sent: Monday, March 17, 2014 10:13 AM
To: Flynn, Ryan, NMENV; Kendall, Jeff, NMENV
Cc: Winchester, Jim, NMENV; Tongate, Butch, NMENV; Blaine, Tom, NMENV; Schwender, Erika, NMENV; Skibitski, Thomas, NMENV; LucasKamat, Susan, NMENV; Kieling, John, NMENV; Maestas, Ricardo, NMENV; Holmes, Steve, NMENV; Nelson, Morgan, NMENV
Subject: FW: FINAL EMAIL (EMAIL No. 6) Weekly Report as Requested per Item 14 of Administrative Order Under NM Hazardous Waste Act Section 74-4-13

From: Margaret Gee [mailto:margaret.gee@cbfo.doe.gov]
Sent: Friday, March 14, 2014 5:11 PM
To: Kieling, John, NMENV; Blaine, Tom, NMENV
Cc: Kliphuis, Trais, NMENV; Jose Franco; 'Sharif, Farok -NWP'
Subject: FINAL EMAIL (EMAIL No. 6) Weekly Report as Requested per Item 14 of Administrative Order Under NM Hazardous Waste Act Section 74-4-13

(FINAL EMAIL) Email No. 6 Contents: PDF – Environmental Sampling and Excel Spreadsheet – Meteorological Data Feb 5 – Mar 9

This email is one of multiple emails with multiple attachments, all of which will be numbered in the subject line. When the final email is sent, it will state that it is the FINAL email in the subject line.

Please see the attached documents. If you have any questions, please contact Mr. George T. Basabilvazo at (575) 234-7488. Thank you.

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1403116

Environmental Air Filter Status

March 9, 2014

Location	Sample ID Number	Filter Installation Date	Filter Removal Date	Filter Operating Time (min)	Air Flow Volume (ft^3)	Air Flow Volume (m^3)	Sample to WIPP Lab	ISOLO Spectrum Analyzer Gross α / β Preliminary DPM	ISOLO Spectrum Analyzer Gross α / β Final DPM	WIPP Labs Gross α DPM	Samples Results from WIPP Labs for Gross Alpha	Samples Results for Radiochemistry	WIPP Labs Radiochemistry: WIPP Labs Data Am-241 (pCi/sample)	WIPP Labs Data Am-241 (Bq/m^3)	WIPP Labs Data Am-241 (dpm/sample)	WIPP Labs Data Pu-238 (pCi/sample)	WIPP Labs Data Pu-238 (Bq/m^3)	WIPP Labs Data Pu-238 (dpm/sample)	WIPP Labs Data Pu-239/240 (pCi/sample)	WIPP Labs Data Pu-239/240 (Bq/m^3)	WIPP Labs Data Pu-239/240 (dpm/sample)
WIPP Far Field (WFF)*	AL-WFF-20140212-1.1	2/11/2014	2/15/2014	916	1816.43	51.44	2/19/2014	---	36	---	2/20/2014		2.20E+01	1.58E-02	4.88E+01	-1.50E-03	-1.08E-06	-3.34E-03	1.65E+00	1.19E-03	3.67E+00
													2.20E01 +/- 2.37E00	1.58E-02 +/- 1.71E-03	4.88E01 +/- 5.27E00	-1.50E-03 +/- 7.30E-02	-1.08E-06 +/- 5.25E-05	-3.34E-03 +/- 1.62E-01	1.65E00 +/- 5.95E-01	1.19E-03 +/- 4.28E-04	3.67E00 +/- 1.32E00
WIPP Far Field (WFF)	AL-WFF-20140219-1.1	2/15/2014	2/18/2014	4306	8568.94	242.65	2/20/2014	---	2.4	—	3/5/2014		1.22E-01	1.85E-05	2.70E-01	9.19E-04	1.40E-07	2.04E-03	4.50E-03	6.87E-07	1.00E-02
													1.22E-01 +/- 3.18E-02	1.85E-05 +/- 4.84E-06	2.70E-01 +/- 7.05E-02	9.19E-04 +/- 5.09E-03	1.40E-07 +/- 7.76E-07	2.04E-03 +/- 1.13E-02	4.50E-03 +/- 7.07E-03	6.87E-07 +/- 1.08E-06	1.00E-02 +/- 1.57E-02
WIPP East (WEE)*	AL-WEE-20140212-1.1	2/11/2014	2/17/2014	3783	7376.85	208.89	2/20/2014	7.29	4.4	—	3/5/2014		2.58E-01	4.57E-05	5.73E-01	4.40E-04	7.79E-08	9.76E-04	1.39E-02	2.46E-06	3.08E-02
													2.58E-01 +/- 4.07E-02	4.57E-05 +/- 7.20E-06	5.73E-01 +/- 9.03E-02	4.40E-04 +/- 3.60E-03	7.79E-08 +/- 6.37E-07	9.76E-04 +/- 7.99E-03	1.39E-02 +/- 9.55E-03	2.46E-06 +/- 1.69E-06	3.08E-02 +/- 2.12E-02
WIPP South (WSS)*	AL-WSS-20140212-1.1	2/11/2014	2/17/2014	3754	7339.07	207.82	2/20/2014	7.47	3.7	—	3/5/2014		6.35E-02	1.13E-05	1.41E-01	-9.68E-04	-1.72E-07	-2.15E-03	5.77E-03	1.03E-06	1.28E-02
													6.35E-02 +/- 2.20E-02	1.13E-05 +/- 3.91E-06	1.41E-01 +/- 4.88E-02	-9.68E-04 +/- 2.33E-03	-1.72E-07 +/- 4.15E-07	-2.15E-03 +/- 5.18E-03	5.77E-03 +/- 6.53E-03	1.03E-06 +/- 1.16E-06	1.28E-02 +/- 1.45E-02
Mills Ranch (MLR)*	AL-MLR-20140212-1.1	2/11/2014	2/18/2014	4950	9504.00	269.12	2/20/2014	—	2.7	---	3/5/2014		7.07E-03	9.72E-07	1.57E-02	1.28E-03	1.76E-07	2.84E-03	1.16E-03	1.60E-07	2.58E-03
													7.07E-03 +/- 1.04E-02	9.72E-07 +/- 1.43E-06	1.57E-02 +/- 2.31E-02	1.28E-03 +/- 6.26E-03	1.76E-07 +/- 8.61E-07	2.84E-03 +/- 1.39E-02	1.16E-03 +/- 5.77E-03	1.60E-07 +/- 7.93E-07	2.58E-03 +/- 1.28E-02
Smith Ranch (SMR)*	AL-SMR-20140212-1.1	2/11/2014	2/18/2014	4907	9568.65	270.95	2/20/2014	—	4.2	—	3/5/2014		1.10E-01	1.50E-05	2.44E-01	-1.14E-03	-1.55E-07	-2.52E-03	6.22E-03	8.49E-07	1.38E-02
													1.10E-01 +/- 2.84E-02	1.50E-05 +/- 3.88E-06	2.44E-01 +/- 6.31E-02	-1.14E-03 +/- 1.18E-02	-1.55E-07 +/- 1.61E-06	-2.52E-03 +/- 2.62E-02	6.22E-03 +/- 9.14E-03	8.49E-07 +/- 1.25E-06	1.38E-02 +/- 2.03E-02
Carlsbad (CBD)*	AL-CBD-20140212-1.1	2/11/2014	2/18/2014	4864	9290.24	263.07	2/20/2014	---	1.6	—	3/5/2014		1.00E-02	1.41E-06	2.23E-02	-4.26E-03	-5.99E-07	-9.45E-03	2.74E-04	3.86E-08	6.09E-04
													1.00E-02 +/- 1.22E-02	1.41E-06 +/- 1.71E-06	2.23E-02 +/- 2.70E-02	-4.26E-03 +/- 7.48E-03	-5.99E-07 +/- 1.05E-06	-9.45E-03 +/- 1.66E-02	2.74E-04 +/- 5.77E-03	3.86E-08 +/- 8.11E-07	6.09E-04 +/- 1.28E-02
South East Control (SEC)*	AL-SEC-20140212-1.2	2/11/2014	2/18/2014	4978	9408.42	266.42	2/20/2014	---	1.3	---	3/5/2014		1.33E-02	1.85E-06	2.95E-02	6.08E-03	8.45E-07	1.35E-02	-1.48E-03	-2.06E-07	-3.29E-03
													1.33E-02 +/- 1.30E-02	1.85E-06 +/- 1.80E-06	2.95E-02 +/- 2.88E-02	6.08E-03 +/- 1.11E-02	8.45E-07 +/- 1.54E-06	1.35E-02 +/- 2.46E-02	-1.48E-03 +/- 3.79E-03	-2.06E-07 +/- 5.26E-07	-3.29E-03 +/- 8.41E-03
South East Control (SEC) Co-located sample*	AL-SEC-20140212-2.2	2/11/2014	2/18/2014	4967	9575.04	271.13	2/20/2014	---	1.5	---	3/5/2014		9.55E-03	1.30E-06	2.12E-02	-1.14E-03	-1.55E-07	-2.52E-03	5.14E-03	7.01E-07	1.14E-02
													9.55E-03 +/- 1.16E-02	1.30E-06 +/- 1.58E-06	2.12E-02 +/- 2.57E-02	-1.14E-03 +/- 8.29E-03	-1.55E-07 +/- 1.13E-06	-2.52E-03 +/- 1.84E-02	5.14E-03 +/- 9.10E-03	7.01E-07 +/- 1.24E-06	1.14E-02 +/- 2.02E-02
WIPP Far Field (WFF)	AL-WFF-20140219-1.1	2/18/2014	2/26/2014	11195	23063.62	653.09	3/8/2014	---	---	1.89	3/9/2014										
WIPP East (WEE)	AL-WEE-20140219-1.1	2/17/2014	2/26/2014	12658	26079.42	738.49	3/8/2014	---	---	2.48	3/9/2014										
WIPP South (WSS)	AL-WSS-20140219-1.1	2/17/2014	2/26/2014	12702	25797.08	730.49	3/8/2014	---	---	2.23	3/9/2014										
Mills Ranch (MLR)	AL-MLR-20140219-1.1	2/18/2014	2/26/2014	11528	23871.09	675.95	3/8/2014	---	---	2.57	3/9/2014										
Carlsbad (CBD)	AL-CBD-20140219-1.1	2/18/2014	2/26/2014	11800	22389.46	634.00	3/8/2014	---	---	2.23	3/9/2014										
Smith Ranch (SMR)	AL-SMR-20140219-1.1	2/18/2014	2/26/2014	11722	23447.84	663.97	3/8/2014	---	---	1.12	3/9/2014										
South East Control	AL-SEC-20140219-1.2	2/18/2014	2/26/2014	11520	23858.66	675.60	3/8/2014	---	---	2.66	3/9/2014										
South East Control (SEC) Co-located sample	AL-SEC-20140219-2.2	2/18/2014	2/26/2014	11518	22706.06	642.96	3/8/2014	---	---	1.38	3/9/2014										
WIPP Far Field (WFF)	AL-WFF-20140226-1.1	2/26/2014	3/4/2014	8585	16828.46	476.53	3/8/2014	---	---		3/9/2014										
WIPP East (WEE)	AL-WEE-20140226-1.1	2/26/2014	3/4/2014	8582	16914.31	478.96	3/8/2014	---	---		3/9/2014										
WIPP South (WSS)	AL-WSS-20140226-1.1	2/26/2014	3/4/2014	8589	16754.30	474.43	3/8/2014	---	---		3/9/2014										
Mills Ranch (MLR)	AL-MLR-20140226-1.1	2/26/2014	3/4/2014	8581	16816.70	476.20	3/8/2014	---	---		3/9/2014										
Carlsbad (CBD)	AL-CBD-20140226-1.1	2/26/2014	3/4/2014	8469	16605.03	470.20	3/8/2014	---	---		3/9/2014										
Smith Ranch (SMR)	AL-SMR-20140226-1.1	2/26/2014	3/4/2014	8644	17032.51	482.31	3/8/2014	---	---		3/9/2014										
South East Control	AL-SEC-20140226-1.2	2/26/2014	3/4/2014	8581	16828.46	476.53	3/8/2014	---	---		3/9/2014										

Environmental Air Filter Status

March 9, 2014

Location	Sample ID Number	Filter Installation Date	Filter Removal Date	Filter Operating Time (min)	Air Flow Volume (ft^3)	Air Flow Volume (m^3)	Sample to WIPP Lab	ISOLO Spectrum Analyzer Gross α / β Preliminary DPM	ISOLO Spectrum Analyzer Gross α / β Final DPM	WIPP Labs Gross α DPM	Samples Results from WIPP Labs for Gross Alpha	Samples Results for Radiochemistry	WIPP Labs Radiochemistry: WIPP Labs Data Am-241 (pCi/sample)	WIPP Labs Data Am-241 (Bq/m^3)	WIPP Labs Data Am-241 (dpm/sample)	WIPP Labs Data Pu-238 (pCi/sample)	WIPP Labs Data Pu-238 (Bq/m^3)	WIPP Labs Data Pu-238 (dpm/sample)	WIPP Labs Data Pu-239/240 (pCi/sample)	WIPP Labs Data Pu-239/240 (Bq/m^3)	WIPP Labs Data Pu-239/240 (dpm/sample)
South East Control (SEC) Co-located sample	AL-SEC-20140226-2.2	2/26/2014	3/4/2014	8580	17000.16	481.39	3/8/2014	---	---			3/9/2014									
WIPP Far Field (WFF)	AL-WFF-20140304-1.1	3/4/2014	3/11/2014					---	---												
WIPP East (WEE)	AL-WEE-20140304-1.1	3/4/2014	3/11/2014					---	---												
WIPP South (WSS)	AL-WSS-20140304-1.1	3/4/2014	3/11/2014					---	---												
Mills Ranch (MLR)	AL-MLR-20140304-1.1	3/4/2014	3/11/2014					---	---												
Carlsbad (CBD)	AL-CBD-20140304-1.1	3/4/2014	3/11/2014					---	---												
Smith Ranch (SMR)	AL-SMR-20140304-1.1	3/4/2014	3/11/2014					---	---												
South East Control	AL-SEC-20140304-1.2	3/4/2014	3/11/2014					---	---												
South East Control (SEC) Co-located sample	AL-SEC-20140304-2.2	3/4/2014	3/11/2014					---	---												
Met Tower (MET)†	AL-MET-20140304-1.1	3/4/2014	3/11/2014					---	---												
Salt Shaft (SLT)†	AL-SLT-20140304-1.1	3/4/2014	3/11/2014					---	---												
Station B - Environmental (STB)†	AL-STB-20140304-1.1	3/4/2014	3/11/2014					---	---												

* Filter volumes based on an adjusted filter installation date. This date was changed from the actual filter installation date to the date of the release which occurred at 23:30 hours on 2/14/14.

† This sampling location was initiated on March 4, 2014.

Environmental Surface Water Status

March 9, 2014

Location	Sample ID Number	Sample Date	Lab Submittal Date	WIPP Labs Radiochemistry						
				Data Received from WIPP Labs	Am-241 (dpm/L)		Pu-238 (dpm/L)		Pu-239/240 (dpm/L)	
					Value	2s	Value	2s	Value	2s
Evaporation Basin A	WS-EBA-20140219-1.2	2/19/2014	2/19/2014	Expected 3/11/2014						
Evaporation Basin A	WS-EBA-20140219-2.2	2/19/2014	2/19/2014	Expected 3/11/2014						
Salt Pile Evaporation Pond	WS-SPE-20140219-1.1	2/19/2014	2/19/2014	Expected 3/11/2014						
Salt Storage Extension Basin I	WS-EB1-20140219-1.1	2/19/2014	2/19/2014	Expected 3/11/2014						
Salt Storage Extension II	WS-EB2-20140219-1.1	2/19/2014	2/19/2014	Expected 3/11/2014						
SWIC Pond 1	WS-PD1-20140219-1.1	2/19/2014	2/19/2014	Expected 3/11/2014						
SWIC Pond 2	WS-PD2-20140219-1.1	2/19/2014	2/19/2014	Expected 3/11/2014						
Blank	WS-BLK-20140219-1.1	2/19/2014	2/19/2014	Expected 3/11/2014						
Sample of Opportunity	WS-SOO-20140302-1.2	3/2/2014	3/2/2014	Expected 3/11/2014						
Sample of Opportunity	WS-SOO-20140302-2.2	3/2/2014	3/2/2014	Expected 3/11/2014						
Blank	WS-BLK-20140302-1.1	3/2/2014	3/2/2014	Expected 3/11/2014						

Environmental Soil Sample Status

March 9, 2014

Location/Depth	Sample ID Number	Sample Date	Lab Submittal Date	WIPP Labs Radiochemistry						
				Data Received from WIPP Labs	Am-241 (dpm/g)		Pu-238 (dpm/g)		Pu-239/240 (dpm/g)	
					Value	2s	Value	2s	Value	2s
Far Field Surface Sample (0-2 cm)	SS-WFF-20140213-1.1	2/13/2014	2/17/2014	Expected 3/11/2014						
Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140213-1.1	2/13/2014	2/17/2014	Expected 3/11/2014						
Far Field Deep Sample (5-10 cm)	SD-WFF-20140213-1.1	2/13/2014	2/17/2014	Expected 3/11/2014						
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140213-1.1	2/13/2014	2/17/2014	Expected 3/11/2014						
WIPP East Intermediate Sample (2-5 cm)	SI-WEE-20140213-1.1	2/13/2014	2/17/2014	Expected 3/11/2014						
WIPP East Deep Sample (5-10 cm)	SD-WEE-20140213-1.1	2/13/2014	2/17/2014	Expected 3/11/2014						
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140214-1.1	2/14/2014	2/17/2014	Expected 3/11/2014						
WIPP South Intermediate Sample (2-5 cm)	SI-WSS-20140214-1.1	2/14/2014	2/17/2014	Expected 3/11/2014						
WIPP South Deep Sample (5-10 cm)	SD-WSS-20140214-1.1	2/14/2014	2/17/2014	Expected 3/11/2014						
Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-1.2	2/17/2014	2/18/2014	Expected 3/11/2014						
Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-2.2	2/17/2014	2/18/2014	Expected 3/11/2014						
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140217-1.1	2/17/2014	2/18/2014	Expected 3/11/2014						
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140217-1.1	2/17/2014	2/18/2014	Expected 3/11/2014						
Mills Ranch Surface Sample (0-2 cm)	SS-MLR-20140220-1.1	2/20/2014	2/20/2014	Expected 3/11/2014						
Smith Ranch Surface Sample (0-2 cm)	SS-SMR-20140220-1.1	2/20/2014	2/20/2014	Expected 3/11/2014						
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-1.2	2/20/2014	2/20/2014	Expected 3/11/2014						
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-2.2	2/20/2014	2/20/2014	Expected 3/11/2014						

Environmental Vegetation Status

March 9, 2014

Location	Sample ID Number	Sample Date	Lab Submittal Date	Data Received from WIPP Labs	WIPP Labs Radiochemistry					
					Am-241 (dpm/sample)		Pu-238 (dpm/sample)		Pu-239/240 (dpm/sample)	
					Value	2s	Value	2s	Value	2s
WIPP Far Field	BV-WFF-20140221-1.2	2/21/2014	2/24/2014	Expected 3/17/2014						
WIPP Far Field (Duplicate)	BV-WFF-20140221-2.2	2/21/2014	2/24/2014	Expected 3/17/2014						
WIPP East	BV-WEE-20140221-1.1	2/21/2014	2/24/2014	Expected 3/17/2014						
WIPP South	BV-WSS-20140222-1.1	2/22/2014	2/24/2014	Expected 3/17/2014						
Smith Ranch	BV-SMR-20140222-1.1	2/22/2014	2/24/2014	Expected 3/17/2014						
Mills Ranch	BV-MLR-20140222-1.1	2/22/2014	2/24/2014	Expected 3/17/2014						
Southeast Control	BV-SEC-20140222-1.2	2/22/2014	2/24/2014	Expected 3/17/2014						

WASTE ISOLATION PILOT PROJECT

CARLSBAD, NEW MEXICO
On-Site Meteorological Data
February 5 - March 9, 2014

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	36	15	5.669	7.978	10.87	74.58	72.54	74.56	10.46	7.161	4.815	-0.462	-0.522	-0.864	-0.06	-0.403	-0.34	81	1.124	896	0
15	2014	36	30	6.588	9.01	11.89	74.58	73.26	75.07	10.06	7.436	4.362	-0.828	-0.911	-1.289	-0.083	-0.461	-0.38	81	1.246	896	0
15	2014	36	45	6.935	9.65	12.29	73.82	72.95	74.91	10.42	7.379	4.879	-1.107	-1.186	-1.585	-0.079	-0.478	-0.4	79.43	1.054	896	0
15	2014	36	100	6.704	9.27	12.19	75.26	73.93	75.85	10.33	7.71	4.678	-1.364	-1.458	-1.864	-0.093	-0.5	-0.41	80.6	1.197	896	0
15	2014	36	115	6.478	9.04	11.72	74.68	73.23	75.61	10.34	7.178	4.818	-1.603	-1.713	-2.15	-0.11	-0.547	-0.44	82.1	1.076	896	0
15	2014	36	130	7.143	9.92	12.56	73.72	72.59	74.61	10.76	7.144	4.553	-1.811	-1.927	-2.373	-0.117	-0.562	-0.45	81.7	1.271	896	0
15	2014	36	145	6.38	8.82	11.44	69.31	68.83	71.76	10.76	7.419	4.661	-2.078	-2.206	-2.661	-0.128	-0.583	-0.46	82.7	1.261	897	0
15	2014	36	200	6.59	9.07	11.79	72.09	71.63	72.89	10.91	7.981	5.064	-2.315	-2.466	-2.942	-0.152	-0.628	-0.48	83.8	1.125	897	0
15	2014	36	215	6.494	9.16	12.03	68.09	67.62	70.92	11.3	7.669	5.06	-2.66	-2.815	-3.303	-0.155	-0.643	-0.49	83.7	1.232	897	0
15	2014	36	230	6.406	8.95	11.28	63.22	63.19	66.2	11.43	7.85	5.194	-2.918	-3.079	-3.585	-0.161	-0.667	-0.51	83.7	1.127	897	0
15	2014	36	245	5.889	8.37	10.57	63.88	63.63	66.12	10.79	7.212	4.945	-3.231	-3.388	-3.901	-0.157	-0.67	-0.51	83.6	1.012	898	0
15	2014	36	300	5.987	8.59	11.33	61.87	59.53	62.37	11.8	7.348	4.625	-3.47	-3.623	-4.135	-0.153	-0.665	-0.51	82.6	1.191	898	0
15	2014	36	315	5.856	8.26	10.65	62.64	60.72	62.05	13.52	9.5	6.242	-3.639	-3.789	-4.314	-0.151	-0.676	-0.52	82.5	0.949	898	0
15	2014	36	330	4.887	7.078	9.06	59.35	58.53	60.94	12.71	8.67	6.316	-3.811	-3.966	-4.502	-0.156	-0.691	-0.54	83.7	0.869	899	0
15	2014	36	345	2.874	4.213	5.769	43.05	41.87	48.78	26.43	22.41	15.05	-3.839	-4.048	-4.615	-0.209	-0.776	-0.57	84.4	0.737	900	0
15	2014	36	400	1.292	1.68	2.365	24.43	26.35	24	29.54	24.93	24.4	-3.642	-3.938	-4.552	-0.295	-0.909	-0.61	84.1	0.588	900	0
15	2014	36	415	1.371	1.831	2.598	65.09	55.98	51.78	41.79	30.26	21.69	-3.429	-3.763	-4.394	-0.334	-0.965	-0.63	84.4	0.58	901	0
15	2014	36	430	1.867	2.56	3.235	53.4	53.51	52.47	19.81	15.45	10.45	-3.178	-3.499	-4.12	-0.321	-0.942	-0.62	84.3	0.663	901	0
15	2014	36	445	2.456	3.525	4.01	50.04	49.11	46.46	16.06	12.43	10.35	-3.022	-3.32	-3.939	-0.298	-0.917	-0.62	82.4	0.689	901	0
15	2014	36	500	2.858	4.232	4.696	52.72	51.71	53.36	14.56	9.33	6.806	-2.953	-3.238	-3.846	-0.285	-0.894	-0.61	80.8	0.66	902	0
15	2014	36	515	3.131	4.526	5.404	57.65	57.19	58.57	12.39	8.39	5.741	-2.959	-3.242	-3.869	-0.283	-0.91	-0.63	80.4	0.824	902	0
15	2014	36	530	3.5	4.972	6.041	46.74	46.29	48.18	13.43	8.41	6.21	-3.005	-3.285	-3.921	-0.28	-0.917	-0.64	79.41	0.946	902	0
15	2014	36	545	3.993	5.75	7.207	43.86	43.86	45.06	11.18	6.989	4.228	-3.206	-3.477	-4.119	-0.272	-0.914	-0.64	77.79	0.899	902	0
15	2014	36	600	3.934	5.563	6.664	57.57	55.17	56.56	12.2	8.42	5.88	-3.231	-3.506	-4.152	-0.275	-0.922	-0.65	78.92	0.762	902	0
15	2014	36	615	3.578	5.223	6.276	62.51	59.99	60.03	12.86	10.72	7.102	-3.353	-3.651	-4.306	-0.299	-0.953	-0.66	79.76	0.817	902	0
15	2014	36	630	4.107	5.668	6.858	67.73	65.21	65.33	11.62	9.3	5.962	-3.708	-4.003	-4.676	-0.295	-0.968	-0.67	78.69	0.891	902	0
15	2014	36	645	3.744	5.468	6.537	75.19	71.81	73.37	15.43	12.51	9.33	-3.864	-4.176	-4.856	-0.312	-0.992	-0.68	78.98	1.035	902	0
15	2014	36	700	4.093	5.807	6.918	86.3	83.9	84.2	11.79	7.234	4.548	-3.876	-4.187	-4.867	-0.311	-0.99	-0.68	78.7	2.614	903	0
15	2014	36	715	3.901	5.365	6.541	84.5	83.4	85	11.98	7.918	4.989	-3.825	-4.114	-4.769	-0.289	-0.944	-0.66	74.8	7.661	903	0
15	2014	36	730	4.069	5.49	6.873	83.7	83.6	83.8	11.94	8.54	5.75	-3.793	-4.079	-4.747	-0.286	-0.954	-0.67	72.77	12.99	903	0
15	2014	36	745	4.094	5.568	6.944	78.56	76.08	75.57	11.34	8.05	4.933	-3.679	-3.989	-4.678	-0.309	-0.998	-0.69	71.06	26.59	903	0
15	2014	36	800	4.476	6.319	7.611	76.66	74.81	76.05	11.45	7.886	5.149	-3.643	-4.022	-4.744	-0.379	-1.101	-0.72	69.17	53.61	903	0
15	2014	36	815	5.388	7.543	8.97	65.48	64.57	66.52	11.01	7.351	5.024	-3.769	-4.17	-4.902	-0.401	-1.133	-0.73	65.59	84.2	904	0
15	2014	36	830	5.312	7.195	8.49	72.1	71.53	73.93	12.29	9.6	8.95	-3.81	-4.257	-5.034	-0.447	-1.224	-0.78	66.43	105.6	904	0
15	2014	36	845	5.579	7.753	9.35	84	82.5	82.9	12.74	8.45	5.636	-3.955	-4.435	-5.248	-0.48	-1.293	-0.81	64.91	108.3	904	0
15	2014	36	900	5.338	7.402	9.09	86.5	85.4	85.5	12.28	8.36	5.9	-4.169	-4.654	-5.469	-0.485	-1.3	-0.82	67.15	111.5	904	0
15	2014	36	915	5.122	6.95	8.45	86.5	85	84.2	13.18	9.06	6.631	-4.249	-4.75	-5.554	-0.501	-1.305	-0.8	66.02	125.8	904	0
15	2014	36	930	5.354	7.596	8.91	88.6	86.7	85.8	12.19	7.467	5.01	-4.329	-4.961	-5.774	-0.631	-1.445	-0.81	64.77	144.3	905	0
15	2014	36	945	5.501	7.706	9.2	92.5	90.8	90	12.33	8.36	5.801	-4.343	-4.949	-5.807	-0.606	-1.464	-0.86	62.93	178.7	905	0
15	2014	36	1000	5.736	8.01	9.31	97.3	94.8	95.7	14.18	9.43	6.748	-4.237	-4.923	-5.801	-0.686	-1.564	-0.88	59.82	250.1	905	0
15	2014	36	1015	5.802	7.987	9.43	96.5	94.8	95.2	12.56	8.19	5.617	-4.139	-4.89	-5.872	-0.751	-1.732	-0.98	58.6	280.7	905	0
15	2014	36	1030	5.418	7.399	8.92	95.9	94	93.4	13.64	9.85	6.395	-3.975	-4.819	-5.827	-0.843	-1.851	-1.01	57.38	342	905	0
15	2014	36	1045	5.364	7.285	8.37	94.2	91.8	92.5	15.08	11.7	9.84	-3.904	-4.761	-5.7	-0.857	-1.796	-0.94	56.38	317.6	905	0
15	2014	36	1100	5.434	7.411	8.61	89.6	88.2	88.9	14.55	11.21	8.11	-4.007	-4.786	-5.71	-0.778	-1.702	-0.92	55.67	240.9	905	0
15	2014	36	1115	5.024	6.808	8.1	83.8	83.7	83	14.6	12.28	10.86	-3.902	-4.673	-5.655	-0.771	-1.753	-0.98	55.13	268.5	904	0
15	2014	36	1130	5.073	6.844	7.95	78.95	76.66	77.47	15.97	13.67	10.15	-3.679	-4.6	-5.623	-0.921	-1.944	-1.02	53.98	339.1	904	0
15	2014	36	1145	4.965	6.738	7.798	77.75	74.97	75.32	15.69	11.91	7.702	-3.548	-4.493	-5.489	-0.945	-1.942	-1	53.46	365.1	904	0
15	2014	36	1200	5.018	6.84	7.669	79.45	77.71	80.5	17.72	14.24	8.84	-3.442	-4.439	-5.395	-0.997	-1.954	-0.96	52.55	379.9	903	0
15	2014	36	1215	4.916	6.787	7.821	83.2	81.1	80.8	14.21	11.27	8.08	-3.378	-4.38	-5.401	-1.003	-2.024	-1.02	51.47	344.6	903	0
15	2014	36	1230	4.538	5.929	6.733	76.83	77.41	77.06	17.25	14.19	10.85	-3.593	-4.466	-5.372	-0.873	-1.779	-0.91	51.37	283.2	903	0
15	2014	36	1245	4.109	5.294	5.922	70.8	70.76	74.36	14.28	11.05	8.25	-3.652	-4.488	-5.342	-0.836	-1.69	-0.85	51.1	260.2	903	0
15	2014	36	1300	3.8	5.012	5.841	70.81	68.43	71.27	16.57	13.24	10.77	-3.412	-4.282	-5.193	-0.87	-1.781	-0.91	50.55	275.3	903	0
15	2014	36	1315	3.777	4.901	5.429	74.36	71.6	71.91	12.38	9.66	9.93	-3.469	-4.351	-5.225	-0.883	-1.757	-0.87	50.01	295.6	903	0
15	2014	36	1330	4.175	5.343	5.927	82.1	82.3	81.6	15.36	10.6	9.22	-3.265	-4.18	-5.123	-0.916	-1.859	-0.94	49.09	350.2	902	0
15	2014	36	1345	4.009	5.106	5.681	74.86	72.38	72.47	15.52	12.17	9.54	-3.408	-4.312	-5.203	-0.904	-1.794	-0.89	49.37	324.9	902	0
15	2014	36	1400	3.871	5.22	5.603	72.17	71.23	72.56	19.95	15.12	11	-3.302	-4.272	-5.066	-0.971	-1.765	-0.79	49.01	300.5	902	0
15	2014	36	1415	4.071	5.38	5.872	87.1	85.3	84.4	15.19	12.38	9.45	-3.211	-4.132	-4.954	-0.921	-1.743	-0.82	48.73	280.1	902	0
15	2014	36	1430	3.655	4.889	5.646	91.2	89.6	87.8	17.63	14.65	13	-2.927	-3.756	-4.66	-0.829	-1.733	-0.9	48.14	259.7	902	0
15	2014	36	1445	4.019	5.326	5.982	94	91.5	92.1	15.94	11.88	9.62	-2.965	-3.785	-4.676	-0.82	-1.711	-0.89	47.9	248.9	901	0
15	2014	36	1500	3.906	5.031	5.851	85.6	83.1	85.1	18.31	14.36	9.33	-3.007	-3.751	-4.59	-0.745	-1.583	-0.84	47.74	222.1	901	0
15	2014	36	1515	3.44	4.553	5.131	87.4	86.7	89.2	14.15	11.23	11.19	-2.905	-3.64	-4.418	-0.735	-1.513	-0.78	47.31	202.1	901	0
15	2014	36	1530	3.173	4.241	4.939	84.4	83.1	85.7	15.72	11.57	9.86	-2.76	-3.41	-4.217	-0.65	-1.457	-0.81	47.15	178.8	901	0
15	2014	36	1545	3.293	4.413	5.165	96.5	94.3	92.6	14.38	11.03	10.86	-2.68	-3.348	-4.112	-0.668	-1.432	-0.76	46.97	149.6	901	0
15	2014	36	1600	3.402	4.471	5.137	92.5	90.9	90.5	16.5	13.08	8.53	-2.784	-3.378	-4.106	-0.593	-1.322	-0.73	46.95	122.4	901	0
15	2014	36	1615	3.341	4.606	5.247	98.5	96.5	95.8	15.01	11.74	8.51	-2.936	-3.484	-4.185	-0.548	-1.249	-0.7	46.76	91.1	901	0
15	2014	36	1630	3.392	4.83	5.729	104.4	101.4	100.9	16.1	12.91	9.58	-2.932	-3.425	-4.156	-0.493	-1.224	-0.73	47.22	69.05	901	0
15	2014	36	1645	3.645	5.054	6.027	107.5	105.6	105.4	14.46	11.32	8.29	-3.037	-3.46	-4.155	-0.423	-1.118	-0.7	47.52	42.64	901	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	36	1700	3.216	4.506	5.432	106.1	103.4	104.3	14.37	10.04	7.088	-3.138	-3.499	-4.169	-0.361	-1.031	-0.67	47.53	19.5	901	0
15	2014	36	1715	3.132	4.391	5.176	109.4	106.8	106.5	14.9	10.71	9.08	-3.183	-3.511	-4.15	-0.328	-0.968	-0.64	47.78	10.01	902	0
15	2014	36	1730	2.581	3.626	4.234	107.1	106.4	108.5	14.65	11.19	9.83	-3.283	-3.574	-4.181	-0.291	-0.898	-0.61	48.13	2.474	902	0
15	2014	36	1745	3.311	4.627	5.656	104	102.7	101.2	12.56	8.54	5.633	-3.319	-3.602	-4.237	-0.283	-0.918	-0.64	48.96	1.192	902	0
15	2014	36	1800	2.911	4.164	5.127	95.2	94.5	95.5	16	12.84	8.99	-3.284	-3.553	-4.18	-0.268	-0.895	-0.63	49.74	0.743	902	0
15	2014	36	1815	3.253	4.682	5.716	99.3	98	98.8	14.16	9.72	7.607	-3.373	-3.65	-4.284	-0.277	-0.911	-0.63	50.25	0.736	902	0
15	2014	36	1830	3.189	4.49	5.458	109.8	107.8	106.8	13.6	9.11	5.688	-3.52	-3.782	-4.414	-0.261	-0.893	-0.63	51.89	0.764	902	0
15	2014	36	1845	3.066	4.464	5.428	101.1	99.1	100.7	13.01	8.55	5.73	-3.57	-3.839	-4.456	-0.269	-0.886	-0.62	53.37	0.764	902	0
15	2014	36	1900	3.572	5.052	5.991	94.4	92.3	92.6	13.62	8.66	6.086	-3.698	-3.952	-4.566	-0.255	-0.868	-0.61	54.43	0.802	902	0
15	2014	36	1915	3.703	5.254	6.304	98.8	95.9	96.4	11.82	7.403	3.961	-3.819	-4.074	-4.693	-0.254	-0.874	-0.62	55.78	0.77	902	0
15	2014	36	1930	3.405	4.839	5.828	89.2	87.7	88.6	11.49	7.631	4.27	-3.934	-4.193	-4.822	-0.258	-0.888	-0.63	57.27	0.786	902	0
15	2014	36	1945	3.436	4.787	5.89	95.5	91.5	92.3	11.93	7.76	3.861	-4.079	-4.334	-4.972	-0.255	-0.893	-0.64	58.93	0.7	902	0
15	2014	36	2000	3.668	5.099	6.382	97.2	96.7	96.6	12.51	8.66	5.14	-4.273	-4.547	-5.211	-0.274	-0.938	-0.66	61.95	0.802	902	0
15	2014	36	2015	3.844	5.41	6.361	101.5	99.4	98.6	12.38	7.342	4.196	-4.513	-4.791	-5.45	-0.279	-0.937	-0.66	63.43	0.721	903	0
15	2014	36	2030	3.994	5.545	6.614	102.7	100.7	101.2	12.59	8.26	5.888	-4.691	-4.981	-5.651	-0.291	-0.96	-0.67	64.69	0.725	903	0
15	2014	36	2045	4.005	5.511	6.804	99.3	96.8	99	13.36	9.3	5.892	-4.87	-5.159	-5.841	-0.29	-0.971	-0.68	64.79	0.913	903	0
15	2014	36	2100	3.65	5.091	6.561	102.6	101.5	100	13.49	9.13	5.672	-5.026	-5.321	-6.025	-0.296	-0.999	-0.7	65.51	0.899	903	0
15	2014	36	2115	3.609	4.791	5.713	100.4	98.9	99.8	13.27	9.18	7.594	-5.148	-5.443	-6.119	-0.295	-0.971	-0.68	65.64	0.817	903	0
15	2014	36	2130	3.586	4.932	5.979	96	94.4	95.4	14.14	10.28	7.795	-5.287	-5.596	-6.288	-0.309	-1.001	-0.69	66.57	0.825	903	0
15	2014	36	2145	3.451	4.692	5.773	93.5	93.4	96.2	13.55	9.74	7.462	-5.421	-5.731	-6.433	-0.31	-1.012	-0.7	66.97	0.783	903	0
15	2014	36	2200	3.584	5.036	5.878	100.4	97.7	96.6	13.32	8.51	5.9	-5.596	-5.923	-6.613	-0.327	-1.017	-0.69	67.45	0.72	903	0
15	2014	36	2215	3.577	5.001	5.99	97.2	95.3	97.1	14	9.6	7.745	-5.694	-6.008	-6.712	-0.315	-1.019	-0.7	68.13	0.832	903	0
15	2014	36	2230	3.474	4.908	6.064	102.3	100.5	99.8	13.03	8.08	5.477	-5.745	-6.07	-6.783	-0.325	-1.039	-0.71	68.8	0.758	903	0
15	2014	36	2245	3.521	4.872	5.783	104.1	101.4	100.5	11.79	8.04	6.704	-5.891	-6.217	-6.932	-0.325	-1.04	-0.72	69.41	0.735	903	0
15	2014	36	2300	3.784	5.133	6.163	88.9	87.8	88	12.82	9.93	7.177	-6.066	-6.391	-7.112	-0.325	-1.045	-0.72	69.31	0.775	903	0
15	2014	36	2315	3.718	5.192	6.334	88	86.9	87.1	13.02	10	8.36	-6.191	-6.522	-7.26	-0.331	-1.07	-0.74	69.25	0.775	903	0
15	2014	36	2330	3.785	5.279	6.407	82.7	81.3	83.1	12.1	8.71	5.781	-6.36	-6.706	-7.45	-0.346	-1.09	-0.74	69.85	0.852	903	0
15	2014	36	2345	4.124	5.58	6.741	82.4	80.5	81.8	12.67	9.2	6.545	-6.566	-6.899	-7.651	-0.333	-1.085	-0.75	70.48	0.853	903	0
15	2014	36	2400	4.388	6.052	7.181	74.45	72.27	72.35	11.72	8.91	7.024	-6.814	-7.176	-7.927	-0.362	-1.113	-0.75	71.28	0.758	903	0
15	2014	37	15	5.015	6.738	8.03	68.47	66.27	68.39	10.93	7.673	4.645	-7.189	-7.523	-8.29	-0.334	-1.097	-0.77	67.75	0.904	903	0
15	2014	37	30	4.256	5.959	7.284	75.45	73.28	74.36	12.53	9.27	5.861	-7.224	-7.561	-8.33	-0.337	-1.106	-0.77	63.82	0.984	903	0
15	2014	37	45	4.329	5.731	6.897	74.1	71.77	70.74	13.03	10.12	6.756	-7.239	-7.558	-8.32	-0.319	-1.078	-0.76	61.56	0.831	903	0
15	2014	37	100	4.105	5.469	6.65	75.75	74.46	77.14	13.04	9.14	7.331	-7.304	-7.639	-8.4	-0.335	-1.094	-0.76	61.12	0.893	903	0
15	2014	37	115	4.183	5.733	6.724	85.1	84.4	84.6	11.97	8.05	4.841	-7.438	-7.781	-8.54	-0.343	-1.102	-0.76	61.03	0.852	903	0
15	2014	37	130	3.76	5.154	6.26	86.9	86.4	86.3	12.84	9.21	7.93	-7.469	-7.811	-8.58	-0.342	-1.111	-0.77	61.09	0.814	903	0
15	2014	37	145	4.096	5.82	6.827	85.4	85.4	85.4	13.2	8.4	5.583	-7.62	-7.989	-8.75	-0.369	-1.125	-0.76	61.15	0.812	903	0
15	2014	37	200	3.748	5.123	6.097	90.9	89.4	90.1	12.89	8.77	6.698	-7.676	-8.02	-8.8	-0.345	-1.124	-0.78	61.36	0.793	903	0
15	2014	37	215	3.654	5.257	6.229	93.1	90	89.2	12.85	8.05	5.882	-7.822	-8.19	-8.96	-0.371	-1.141	-0.77	61.54	0.791	903	0
15	2014	37	230	3.593	4.961	5.954	96.8	94.9	92.6	13.4	7.851	5.05	-7.904	-8.26	-9.03	-0.354	-1.13	-0.77	61.67	0.835	903	0
15	2014	37	245	3.48	4.746	5.69	92.3	90.3	89	14.29	10.79	8.43	-7.989	-8.35	-9.14	-0.362	-1.152	-0.79	61.66	0.826	903	0
15	2014	37	300	3.504	4.71	5.537	83.4	81.9	85	14.26	10.27	7.198	-8.11	-8.47	-9.26	-0.366	-1.147	-0.79	61.68	0.808	903	0
15	2014	37	315	3.616	4.802	5.854	80.3	79.33	81.4	11.61	7.65	4.752	-8.22	-8.59	-9.41	-0.369	-1.185	-0.82	61.85	0.725	903	0
15	2014	37	330	3.55	4.955	5.663	101.2	98.9	97.1	13.56	8.38	5.126	-8.31	-8.69	-9.47	-0.377	-1.161	-0.78	61.97	0.783	903	0
15	2014	37	345	3.023	4.103	4.954	91.3	89.9	91.2	12.66	8.12	6.862	-8.38	-8.75	-9.56	-0.373	-1.176	-0.81	62.19	0.711	903	0
15	2014	37	400	2.948	3.994	4.607	86.9	85.1	87.3	13.38	9.93	7.693	-8.41	-8.8	-9.59	-0.386	-1.177	-0.79	62.49	0.73	903	0
15	2014	37	415	2.793	3.765	4.369	88	86	89	14.12	9.83	7.576	-8.48	-8.86	-9.66	-0.38	-1.182	-0.8	62.91	0.702	903	0
15	2014	37	430	2.624	3.511	4.08	90	90.3	91.6	15.49	9.52	6.06	-8.5	-8.9	-9.71	-0.391	-1.202	-0.81	63.2	0.709	903	0
15	2014	37	445	2.433	3.251	3.765	84.2	84.2	85.9	14.06	10.35	6.532	-8.56	-8.93	-9.73	-0.377	-1.176	-0.8	63.6	0.605	903	0
15	2014	37	500	2.404	3.256	3.652	89.1	88	89.9	13.22	9.13	6.972	-8.58	-8.97	-9.75	-0.387	-1.167	-0.78	63.83	0.693	903	0
15	2014	37	515	2.113	2.796	3.048	101	98.8	99.2	13.26	8.73	6.571	-8.64	-9.02	-9.8	-0.389	-1.165	-0.78	64.11	0.554	903	0
15	2014	37	530	2.223	2.865	3.097	98.9	98.2	99.7	12.12	7.861	6.83	-8.67	-9.04	-9.81	-0.371	-1.148	-0.77	64.33	0.553	903	0
15	2014	37	545	2.134	2.853	3.185	91.8	90.6	93.6	15.53	12.16	8.27	-8.66	-9.06	-9.84	-0.392	-1.173	-0.78	64.51	0.569	903	0
15	2014	37	600	2.434	3.16	3.649	93.6	92.2	92.7	13.58	9.87	6.033	-8.79	-9.14	-9.94	-0.35	-1.157	-0.8	64.9	0.571	903	0
15	2014	37	615	1.794	2.418	2.655	97.2	94	93	17.08	14.2	9.24	-8.75	-9.12	-9.89	-0.373	-1.137	-0.77	65.3	0.53	903	0
15	2014	37	630	2.155	2.919	3.146	108.6	107.2	103.6	14.38	9.65	8.08	-8.82	-9.19	-9.95	-0.366	-1.124	-0.76	65.35	0.632	903	0
15	2014	37	645	1.767	2.441	2.767	105.3	104	104.8	17.6	15.06	12.74	-8.77	-9.16	-9.95	-0.389	-1.172	-0.79	65.41	1.254	904	0
15	2014	37	700	2.285	3.133	3.463	107.2	105.6	106.8	17.7	12.8	8.63	-8.79	-9.19	-9.96	-0.397	-1.174	-0.77	65.27	6.153	904	0
15	2014	37	715	2.304	3.188	3.552	99.6	97.8	96.5	16.14	10.72	7.362	-8.76	-9.2	-9.98	-0.438	-1.216	-0.78	65.19	22.66	903	0
15	2014	37	730	2.424	3.294	3.573	91.4	91.3	94.5	20.58	17.13	12.43	-8.7	-9.19	-10	-0.488	-1.294	-0.81	64.93	42.91	903	0
15	2014	37	745	2.319	3.052	3.543	94.3	92.5	93.6	14.18	10.2	6.834	-8.54	-9.1	-9.98	-0.564	-1.443	-0.88	64.65	92.5	904	0
15	2014	37	800	2.052	2.675	2.936	103.4	100.2	99.9	18.71	16.19	13.55	-8.41	-9.01	-9.86	-0.602	-1.447	-0.85	63.92	98.3	904	0
15	2014	37	815	2.038	2.521	2.693	99.7	97.8	97.9	17.37	11.54	9.98	-8.49	-9.05	-9.85	-0.56	-1.36	-0.8	64.21	99.1	904	0
15	2014	37	845	2.063	2.628	2.834	107.1	107.7	106.2	20.22	15.19	12.78	-8.06	-8.73	-9.64	-0.668	-1.577	-0.91	63.03	201.8	904	0
15	2014	37	900	1.957	2.399	2.459	109.9	111.5	110.1	29.93	24.15	15.37	-7.907	-8.56	-9.5	-0.65	-1.596	-0.94	62.7	222.9	904	0
15	2014	37	915	1.781	2.312	2.439	119.8	119.2	119.2	30.04	22.65	16.6	-7.61	-8.33	-9.23	-0.719	-1.624	-0.9	61.71	236.8	903	0
15	2014	37	930	1.947	2.331	2.708	155	148.3	140.7	23.16	18.88	17.96	-7.416	-8.17	-9.07	-0.751	-1.654	-0.9	61.17	257.7	903	0
15	2014	37	945	1.961	2.39	2.662	158.7	154.8	139.7	35.34	27.95	20.18	-7.35	-8.09	-8.92	-0.74	-1.574	-0.83	60.83	288.5	904	0
15	2014	37	1000	1.851	2.229	2.493	145.6	145.5	153.4	28.54	22.76	24.38	-6.985	-7.718	-8.64	-0.732	-1.655	-0.92	59.78	314.6	904	0
15	2014	37	1015	1.771	2.101	2.299	144.5	138	134.3	35.73	31.11	29.97	-6.911	-7.611	-8.43	-0.701	-1.519	-0.82	59.42	390.8	903	0
15	2014	37	1030	1.979	2.374	2.557	163.8	151.4	142	38.73	26.26	16.88	-6.652	-7.403	-8.34	-0.751	-1.684	-0.94	58.56	354.7	903	0
15	2014	37	1045	1.855	2.326	2.454	179.7	172.8	173.5	23.35	17.92	23.1	-6.433	-7.158	-8.08	-0.725	-1.651	-0.92	58.09	374.7	903	0
15	2014	37	1100	1.665	1.95	2.304	152.6	152.6	161.7	42.08	35.87	21.25	-6.274	-7.107	-7.947	-0.834	-1.673	-0.84	57.44	424.7	903	0
15	2014	37	1115	1.591	1.968	2.108	143.6	149.6	139.4	51.15	52.65	34.12	-6.175	-6.839	-7.623	-0.664	-1.448	-0.78	57.81	397.9	903	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	37	1145	2.262	2.779	2.916	179.7	175.3	163	32.18	23.97	20.75	-5.112	-6.056	-6.912	-0.944	-1.8	-0.86	54.46	506	902	0
15	2014	37	1200	2.755	3.439	3.793	164.6	162.2	162.9	22.43	18.97	14.46	-5.232	-6.226	-7.089	-0.994	-1.857	-0.86	54.26	314.5	902	0
15	2014	37	1215	2.384	2.991	3.127	184.9	184	182.3	25.9	17.75	14.87	-5.132	-6.098	-7.018	-0.966	-1.886	-0.92	54.82	433.5	901	0
15	2014	37	1230	1.755	2.057	2.307	253.8	245.2	220.9	51.61	39.4	43.41	-4.539	-5.329	-6.239	-0.791	-1.7	-0.91	53.36	718.2	901	0
15	2014	37	1245	1.962	2.47	2.847	215.2	211.2	196.9	31.71	27.92	21.68	-4.394	-5.251	-6.141	-0.856	-1.747	-0.89	52.86	456.2	901	0
15	2014	37	1300	2.345	2.747	3.017	200.8	197.3	193.2	33.12	29.59	24.61	-3.805	-4.946	-5.828	-1.14	-2.023	-0.88	51.75	749	900	0
15	2014	37	1315	1.902	2.348	2.512	174.6	177.1	180.1	65.24	53.65	46.74	-3.454	-4.265	-5.297	-0.811	-1.843	-1.03	50.96	809	900	0
15	2014	37	1330	2.016	2.293	2.599	161.3	165.4	191	67.81	57.75	29.2	-3.032	-3.987	-4.762	-0.955	-1.73	-0.78	49.72	751.8	900	0
15	2014	37	1345	1.804	2.109	2.103	125.6	139.1	159.8	75.97	63.26	39.77	-2.866	-3.791	-4.673	-0.925	-1.807	-0.88	49.88	705.5	899	0
15	2014	37	1400	2.139	2.68	2.789	147.8	144.5	145.6	34.32	25.72	21.62	-2.242	-3.394	-4.293	-1.153	-2.051	-0.9	48.49	700.3	899	0
15	2014	37	1415	2.413	3.017	3.215	166.5	162.8	156.9	32.15	21.27	14	-1.947	-3.067	-3.996	-1.12	-2.049	-0.93	47.47	682.1	898	0
15	2014	37	1430	2.832	3.446	3.65	148.7	146.2	147.5	41.55	32.98	31.98	-1.74	-2.71	-3.622	-0.97	-1.882	-0.91	47.65	531.9	898	0
15	2014	37	1445	2.676	3.564	3.975	163.9	163.9	167.4	21.27	17.45	18.62	-1.651	-2.633	-3.448	-0.982	-1.797	-0.82	47.81	381.5	898	0
15	2014	37	1500	2.963	3.694	3.947	167.1	166.3	168.1	22.14	18.51	16.03	-1.184	-2.432	-3.31	-1.248	-2.126	-0.88	47.32	563.3	898	0
15	2014	37	1515	2.788	3.601	3.944	171.9	168.3	166.6	26.1	20.64	15.11	-1.085	-2.223	-3.143	-1.138	-2.058	-0.92	47.33	426.6	898	0
15	2014	37	1530	2.664	3.439	3.842	157.5	157.1	160.3	24.45	19.56	16.4	-1.067	-2.134	-2.992	-1.067	-1.925	-0.86	47.78	485.5	898	0
15	2014	37	1545	2.618	3.418	3.963	182.6	181.6	180.7	22.14	19.28	14.23	-1.347	-2.187	-3.007	-0.84	-1.66	-0.82	48.88	235.2	898	0
15	2014	37	1600	2.873	3.739	4.071	175.7	172.7	168.8	19.69	16.08	17.92	-1.467	-2.314	-3.082	-0.847	-1.615	-0.77	50.17	213.9	898	0
15	2014	37	1615	2.714	3.557	4.134	170.9	169	170.7	18.57	16.4	13.02	-1.673	-2.352	-3.068	-0.679	-1.395	-0.72	50.97	138.1	898	0
15	2014	37	1630	2.735	3.668	3.983	180	175.8	174.2	15.67	11.88	10.34	-1.634	-2.338	-3.05	-0.705	-1.417	-0.71	51.32	145.7	898	0
15	2014	37	1645	2.665	3.669	4.213	175	172.1	170.1	16.5	14.26	12.53	-1.7	-2.239	-2.96	-0.539	-1.26	-0.72	51.3	96.7	897	0
15	2014	37	1700	2.817	3.725	4.064	151.1	151.5	156.7	11.78	8.53	7.13	-2.051	-2.472	-3.104	-0.421	-1.053	-0.63	52.43	51.11	898	0
15	2014	37	1715	3.096	4.203	4.747	172.8	170.5	168.7	16.27	12.65	10.52	-2.21	-2.481	-3.065	-0.271	-0.855	-0.58	53.2	31.04	897	0
15	2014	37	1730	3.365	4.812	5.666	169.6	167.5	168	12.05	7.816	5.12	-2.539	-2.71	-3.268	-0.171	-0.729	-0.56	54.6	11.01	897	0
15	2014	37	1745	3.184	4.462	5.74	173.1	171	170.8	12.15	8.22	5.73	-2.843	-2.978	-3.518	-0.135	-0.675	-0.54	56.43	2.889	897	0
15	2014	37	1800	3.251	4.693	5.545	169.4	168.3	166.8	12.14	8.3	6.036	-2.978	-3.136	-3.686	-0.158	-0.709	-0.55	58.31	0.923	897	0
15	2014	37	1815	3.042	4.377	5.309	152.7	150.7	150.4	13.02	8.68	5.769	-3.011	-3.224	-3.816	-0.214	-0.805	-0.59	59.35	0.748	897	0
15	2014	37	1830	2.807	4.087	4.894	152.7	150.6	151.8	12.74	8.32	5.103	-3.031	-3.252	-3.84	-0.221	-0.809	-0.59	60.23	0.702	898	0
15	2014	37	1845	3.163	4.391	4.966	157.1	155	154.2	13.88	10.93	10.64	-3.109	-3.282	-3.844	-0.172	-0.735	-0.56	60.18	0.693	898	0
15	2014	37	1900	2.813	3.871	4.783	168.9	167.7	168.3	11.87	9.03	8.46	-3.313	-3.477	-4.038	-0.164	-0.725	-0.56	58.1	0.634	897	0
15	2014	37	1915	3.007	4.467	5.483	178.7	176.4	175	12.32	7.69	4.482	-3.517	-3.678	-4.241	-0.161	-0.724	-0.56	58.1	0.76	898	0
15	2014	37	1930	3.228	4.524	5.383	174.9	173	174.1	11.79	7.373	5.47	-3.496	-3.694	-4.274	-0.198	-0.778	-0.58	58.19	0.766	898	0
15	2014	37	1945	3.244	4.619	5.578	179.4	178.2	178.9	13.03	8.79	7.97	-3.541	-3.748	-4.346	-0.207	-0.805	-0.6	58.17	0.791	898	0
15	2014	37	2000	3.772	5.545	6.333	193.8	190.6	191.9	11.3	7.401	5.811	-4.099	-4.338	-4.958	-0.239	-0.859	-0.62	61.46	0.762	898	0
15	2014	37	2015	3.434	5.01	6.229	183.5	180.9	180.3	12.46	8.12	5.444	-4.465	-4.706	-5.351	-0.241	-0.886	-0.64	64.41	0.769	898	0
15	2014	37	2030	3.403	4.885	5.826	182.4	179.8	182	13.52	9.77	8.18	-4.534	-4.799	-5.455	-0.265	-0.92	-0.66	64.1	0.754	898	0
15	2014	37	2045	3.661	5.337	6.379	188	185.2	184.3	12.31	7.739	4.421	-4.672	-4.948	-5.608	-0.276	-0.936	-0.66	64.5	0.748	898	0
15	2014	37	2100	3.582	5.33	6.332	186	182.9	183.3	12.63	7.672	4.662	-4.741	-5.029	-5.699	-0.288	-0.957	-0.67	65.39	0.852	898	0
15	2014	37	2115	3.375	4.781	5.769	185.5	182.8	182.3	13.36	9.89	6.155	-4.83	-5.125	-5.807	-0.296	-0.978	-0.68	67.21	0.743	898	0
15	2014	37	2130	2.679	3.61	4.292	177.1	177	180.6	17.35	14.3	11.83	-4.874	-5.159	-5.826	-0.286	-0.953	-0.67	68.15	0.673	898	0
15	2014	37	2145	2.885	4.044	4.599	184.5	182.1	181.1	13.26	8.93	7.815	-4.864	-5.164	-5.823	-0.299	-0.958	-0.66	68.4	0.779	898	0
15	2014	37	2200	3.654	5.134	5.872	183.1	179.2	179.2	12.25	8.7	6.059	-4.824	-5.126	-5.792	-0.302	-0.968	-0.67	67.63	0.804	898	0
15	2014	37	2215	3.404	4.88	5.946	176.7	174	172.9	15.26	11.27	8.92	-4.837	-5.124	-5.797	-0.287	-0.96	-0.67	66.97	0.895	897	0
15	2014	37	2230	2.86	4.094	4.734	173.3	170.2	169.7	13.8	10.29	8.32	-4.919	-5.165	-5.811	-0.246	-0.891	-0.65	66.46	0.677	897	0
15	2014	37	2245	3.143	4.44	5.496	161.4	158.4	159.1	13.92	10.18	7.742	-5.185	-5.338	-5.934	-0.153	-0.75	-0.6	66.05	0.741	897	0
15	2014	37	2300	2.603	3.716	4.782	148.4	145.6	146.8	12.28	9.32	6.352	-5.168	-5.369	-5.994	-0.201	-0.825	-0.62	66.49	0.731	896	0
15	2014	37	2315	3.161	4.473	5.158	160.7	157.5	157.5	12.59	8.4	6.649	-5.035	-5.305	-5.956	-0.27	-0.92	-0.65	66.43	0.835	896	0
15	2014	37	2330	3.595	5.044	5.962	158.4	156.3	155.4	12.47	8.59	6.543	-5.104	-5.361	-6.023	-0.257	-0.918	-0.66	65.65	0.873	896	0
15	2014	37	2345	3.344	4.767	5.729	162.5	159.1	159.2	14.72	11.19	8.25	-5.117	-5.416	-6.096	-0.298	-0.979	-0.68	65.13	0.882	897	0
15	2014	37	2400	3.765	5.281	6.177	159.3	156.7	156.7	12.87	8.94	5.66	-5.219	-5.525	-6.211	-0.306	-0.993	-0.69	64.42	0.862	896	0
15	2014	38	15	3.76	5.201	6.151	160.1	156.6	157.6	11.88	7.992	6.234	-5.229	-5.522	-6.203	-0.293	-0.974	-0.68	64.4	0.908	896	0
15	2014	38	30	3.922	5.697	6.991	160.8	157	157.2	12.75	8.7	5.687	-5.265	-5.58	-6.295	-0.314	-1.029	-0.72	64.86	0.965	896	0
15	2014	38	45	3.672	5.273	6.148	162.4	158.6	159.1	13.92	9.45	6.769	-5.32	-5.623	-6.309	-0.304	-0.99	-0.69	65.16	0.771	896	0
15	2014	38	100	3.774	5.288	6.416	153.6	152.1	154.2	11.32	8.04	4.619	-5.381	-5.673	-6.366	-0.293	-0.985	-0.69	64.92	0.778	896	0
15	2014	38	115	3.801	5.384	6.296	164.3	161.1	160.8	12.93	8.86	6.244	-5.358	-5.648	-6.322	-0.29	-0.964	-0.67	65.73	0.777	895	0
15	2014	38	130	3.668	5.213	6.36	157.5	155.4	156.4	13.63	10.35	7.182	-5.378	-5.65	-6.334	-0.272	-0.955	-0.68	67.38	0.828	895	0
15	2014	38	145	3.628	5.139	6.101	165.9	163.5	164.9	12.31	7.405	4.494	-5.257	-5.536	-6.22	-0.279	-0.963	-0.68	68.25	0.773	895	0
15	2014	38	200	3.875	5.447	6.739	166.6	164.6	165.7	13.36	8.57	6.281	-5.184	-5.482	-6.173	-0.297	-0.989	-0.69	69.2	0.991	895	0
15	2014	38	215	3.469	4.837	5.713	172.2	167.7	165.7	14.32	9.82	7.758	-5.174	-5.478	-6.169	-0.304	-0.995	-0.69	71.38	0.726	895	0
15	2014	38	230	3.361	4.556	5.342	164.5	162	161.9	12.35	8.83	6.433	-5.059	-5.38	-6.081	-0.321	-1.022	-0.7	71.05	0.737	895	0
15	2014	38	245	2.847	3.892	4.561	185.5	183.1	180.1	15.96	12.12	10.82	-5.093	-5.413	-6.097	-0.32	-1.004	-0.68	70.79	0.684	895	0
15	2014	38	300	4.066	5.709	6.81	177.7	175.2	176.4	14.13	9.99	6.377	-5.061	-5.381	-6.1	-0.32	-1.039	-0.72	70	0.927	896	0
15	2014	38	315	3.519	5.03	6.068	151.8	149.4	151.2	15.98	13.39	11.48	-5.127	-5.462	-6.172	-0.335	-1.045	-0.71	71.61	0.828	895	0
15	2014	38	330	3.249	4.484	5.624	156.2	154.4	153	29.73	26.99	24.8	-5.302	-5.576	-6.253	-0.274	-0.951	-0.68	76.49	0.861	894	0
15	2014	38	345	2.934	4.063	4.803	160	158.3	159.3	15.61	12.24	11.33	-5.214	-5.517	-6.178	-0.303	-0.963	-0.66	76.16	0.747	894	0
15	2014	38	400	2.845	3.984	4.817	189.9	185.7	183.5	31.29	27.98	26.35	-5.095	-5.391	-6.061	-0.297	-0.967	-0.67	75.68	0.677	895	0
15	2014	38	415	2.867	3.994	4.61	193.6	191.9	193.9	18.15	13.64	11.55	-5.111	-5.389	-6.048	-0.278	-0.937	-0.66	75.11	0.665	895	0
15	2014	38	430	3.348	4.69	5.186	167	164.1	164.2	13.23	8.42	6.132	-5.084	-5.396	-6.073	-0.312	-0.988	-0.68	75.02	0.774	894	0
15	2014	38	445	4.055	5.687	6.301	176	172.7	171.4	13.22	9.33	8.8	-5.073	-5.436	-6.114	-0.364	-1.041	-0.68	79.61	0.86	895	0
15	2014	38	500	3.827	5.651	6.698	173.1	169.7	170.2	12.85	9.58	7.72	-5.349	-5.578	-6.211	-0.229	-0.862	-0.63	79.85	0.817	895	0
15	2014	38	515	3.757	5.426	6.46	155.5	153.6	153.9	15.2	11.15	8.47	-5.431	-5.658	-6.286	-0.226	-0.854	-0.63	79.43	0.906	894	0
15	2014	38	530	2.216	3.091	4.156	147.2	142.3	140.4	16.38	11.82	8.03	-5.347	-5.595	-6.231	-0.249	-0.884	-0.64	79.68	0.731	894	0
15	2014	38	545	2.274	3.124	3.483	171.8	170.2	167	17.71	15.52	12.83	-5.181	-5.434	-6.07	-0.253	-0.889	-0.64	79.2	0.612	895	0
15	2014	38	600	2.103	2.952	3.327	181.9	180.9	181.8	17.19	15.88	13.77	-5.029	-5.288	-5.935	-0.259	-0.906	-0.65	78.41	0.626	895	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	38	615	2.694	3.728	4.013	171.3	168.8	172.3	14.56	10.02	8.64	-5.005	-5.256	-5.899	-0.251	-0.894	-0.64	77.4	0.67	895	0
15	2014	38	630	2.974	4.158	4.568	167	165.9	169.3	11.95	7.987	6.292	-5.012	-5.26	-5.906	-0.248	-0.894	-0.65	76.83	0.671	895	0
15	2014	38	645	2.756	3.978	4.697	170.2	168.3	166.2	13.4	10.15	7.347	-4.898	-5.131	-5.775	-0.232	-0.876	-0.64	76.83	0.869	895	0
15	2014	38	700	3.198	4.426	4.971	162.1	159.4	160.3	13.02	8.13	6.221	-4.802	-5.073	-5.716	-0.271	-0.914	-0.64	75.52	1.747	895	0
15	2014	38	715	3.641	5.338	6.332	163.4	160.4	159.9	12.74	7.592	6.58	-4.737	-5.017	-5.686	-0.281	-0.95	-0.67	76.55	4.02	895	0
15	2014	38	730	3.678	5.271	6.281	160.9	159	158.8	11.87	9.13	6.41	-4.718	-5.011	-5.677	-0.293	-0.959	-0.67	76.82	8.78	895	0
15	2014	38	745	4.053	5.83	6.989	155.7	152.2	151.8	14.57	11.29	7.895	-4.769	-5.076	-5.744	-0.308	-0.975	-0.67	78.98	21.23	895	0
15	2014	38	800	4.235	5.947	7.275	164.4	160	158.1	15.27	11.22	9.78	-4.776	-5.092	-5.776	-0.316	-1	-0.68	80.3	47.75	895	0
15	2014	38	815	3.956	5.495	6.324	180	178.1	177.2	11.94	7.992	4.88	-4.555	-4.95	-5.676	-0.394	-1.12	-0.73	79.38	82	895	0
15	2014	38	830	3.755	5.363	6.483	188.1	185.4	186.4	13.02	9.53	6.845	-4.396	-4.82	-5.576	-0.424	-1.18	-0.76	77.94	91.7	896	0
15	2014	38	845	3.198	4.146	4.747	201.8	197.9	196.7	12.09	10.13	8.45	-4.077	-4.561	-5.302	-0.484	-1.225	-0.74	76.37	143	896	0
15	2014	38	900	3.172	4.221	4.936	194.9	191.8	193.6	14.03	9.82	6.522	-3.852	-4.357	-5.115	-0.504	-1.263	-0.76	75.22	136.7	896	0
15	2014	38	915	3.384	4.683	5.584	193.4	192.7	192.7	14.83	11.37	8.01	-3.783	-4.304	-5.075	-0.521	-1.292	-0.77	74.87	227.9	896	0
15	2014	38	930	3.341	4.394	4.974	194.1	190.7	190.9	14.81	10.1	8.18	-3.148	-3.963	-4.792	-0.815	-1.643	-0.83	72.31	380.2	896	0
15	2014	38	945	3.303	4.351	4.784	184.2	180.1	184.2	18.06	14.86	14.27	-2.348	-3.387	-4.331	-1.04	-1.984	-0.94	70.38	503.1	896	0
15	2014	38	1000	2.937	3.747	4.283	188	184.1	186.8	19.33	15.9	13.84	-1.961	-3.016	-3.916	-1.056	-1.955	-0.9	68.28	566.6	896	0
15	2014	38	1015	2.719	3.431	3.646	191.9	187.9	186.9	21.69	18.69	14.99	-1.473	-2.471	-3.388	-0.998	-1.914	-0.92	66.32	602.5	897	0
15	2014	38	1030	3.217	4.112	4.393	169.4	165.6	164.6	18.7	13.26	12.2	-0.887	-2.059	-2.916	-1.172	-2.029	-0.86	63.78	619.1	896	0
15	2014	38	1045	3.292	4.122	4.515	183.9	182.9	182	20.98	16.54	11.3	-0.128	-1.326	-2.281	-1.198	-2.153	-0.96	61.31	674.2	896	0
15	2014	38	1100	3.59	4.743	5.257	188.6	186	190.4	19.93	15.96	12.6	0.825	-0.624	-1.461	-1.448	-2.286	-0.84	57.89	717.3	896	0
15	2014	38	1115	2.931	3.622	3.939	184.1	180.9	183.8	22.17	18.12	12.86	1.104	-0.133	-0.998	-1.237	-2.101	-0.86	55.73	731	896	0
15	2014	38	1130	2.896	3.735	4.194	188	184.4	184.6	18.27	12.82	11.35	1.669	0.381	-0.371	-1.288	-2.041	-0.75	54.02	748.7	896	0
15	2014	38	1145	2.791	3.416	3.863	200.5	195.5	193.9	18.08	16.57	14.33	2.372	1.291	0.506	-1.081	-1.866	-0.78	51.92	764.8	896	0
15	2014	38	1200	2.926	3.626	3.975	197.7	195.6	196.7	19.39	15.82	12.73	2.995	1.893	1.019	-1.102	-1.976	-0.87	50.06	776.6	896	0
15	2014	38	1215	2.508	3.173	3.423	194.3	192.4	196.4	26.13	19.07	12.64	3.685	2.395	1.622	-1.291	-2.063	-0.77	48.19	784.1	895	0
15	2014	38	1230	3.039	3.764	4.002	199.4	197.1	194.2	23.83	19.91	15.33	4.383	3.191	2.36	-1.192	-2.022	-0.83	46.32	786	895	0
15	2014	38	1245	2.608	3.294	3.532	194.8	190.7	185.6	33.76	29.8	22.19	5.027	3.799	3.007	-1.228	-2.02	-0.79	44.93	781.9	895	0
15	2014	38	1300	2.494	3.044	3.423	181.4	178.1	180.1	32.36	28.89	20.73	5.783	4.752	4.004	-1.031	-1.78	-0.75	43.78	773.7	894	0
15	2014	38	1315	1.975	2.393	2.564	204.1	197.3	191.3	36.96	29.72	21.58	6.431	5.644	4.894	-0.787	-1.537	-0.75	43.07	762.6	894	0
15	2014	38	1330	2.348	2.978	3.282	186.9	186.2	194.7	27.26	21.08	15.37	7.382	6.211	5.485	-1.172	-1.898	-0.73	41.38	745.9	894	0
15	2014	38	1345	2.547	3.132	3.307	215.2	209.2	207.5	23.92	20.04	12.7	7.947	6.924	6.175	-1.023	-1.772	-0.75	39.94	724	894	0
15	2014	38	1400	2.222	2.879	3.235	200.1	194.8	199.9	23.49	19.66	13.85	8.81	7.645	6.981	-1.164	-1.829	-0.66	38.51	696.8	894	0
15	2014	38	1415	2.716	3.355	3.666	212.2	207.6	205.5	18.58	15.15	12.89	9.33	8.32	7.563	-1.01	-1.767	-0.76	37.25	665.6	893	0
15	2014	38	1430	2.793	3.513	3.868	208.8	205.9	203.1	14.94	10.93	8.05	10.18	9	8.27	-1.185	-1.912	-0.73	35.97	630	893	0
15	2014	38	1445	2.869	3.453	3.734	202.4	201.4	204.4	23.94	20.52	17.7	10.68	9.72	8.99	-0.96	-1.687	-0.73	34.88	591.4	893	0
15	2014	38	1500	2.891	3.681	3.922	199.9	195	192.7	16.74	13.39	11.77	11.07	10.09	9.45	-0.984	-1.616	-0.64	34.14	549.2	893	0
15	2014	38	1515	2.888	3.61	4.108	184.8	183.2	187.9	20.69	16.74	15.23	11.74	10.69	9.96	-1.043	-1.772	-0.73	33.04	499.3	893	0
15	2014	38	1530	2.66	3.419	3.858	199.4	197.5	198.4	20.52	16.74	11.75	12.08	11.17	10.44	-0.914	-1.646	-0.73	32.06	449	893	0
15	2014	38	1545	2.871	3.624	3.969	195.6	191.1	192.2	15.94	10.94	9.66	12.09	11.28	10.62	-0.813	-1.47	-0.66	31.81	399.4	893	0
15	2014	38	1600	2.759	3.519	3.846	198.7	195	197	15.27	13.18	8.54	12.48	11.73	11.07	-0.749	-1.405	-0.66	31.42	345	893	0
15	2014	38	1615	2.633	3.304	3.609	207.8	205.3	202.6	13.23	11.46	11.52	12.45	11.85	11.3	-0.596	-1.147	-0.55	31.46	290.5	893	0
15	2014	38	1630	2.759	3.591	3.84	196.8	194.5	194.7	17.45	13.86	12.64	12.6	12.06	11.53	-0.533	-1.066	-0.53	31.28	232	893	0
15	2014	38	1645	2.622	3.644	4.076	191.8	189.2	189.7	14.33	9.98	7.68	12.57	12.22	11.73	-0.347	-0.839	-0.49	31.36	173	893	0
15	2014	38	1700	2.56	3.638	4.246	194.2	190.8	193	12.27	8.68	6.426	12.34	12.19	11.77	-0.147	-0.57	-0.42	32.06	115.8	893	0
15	2014	38	1715	2.435	3.748	4.846	198.8	195.7	197.9	11.26	8.14	5.858	11.7	11.93	11.73	0.229	0.027	-0.2	33.34	57.79	893	0
15	2014	38	1730	1.815	3.289	5.184	193	191.6	193.9	11.38	6.566	3.84	10.56	11.31	11.51	0.751	0.956	0.2	36.16	22.32	893	0
15	2014	38	1745	1.596	3.34	5.385	177.2	180.9	185.4	7.566	3.715	4.523	9.01	10.52	11.19	1.511	2.181	0.67	39.63	3.62	894	0
15	2014	38	1800	1.465	3.619	6.165	165.2	170.1	179.1	7.785	4.01	4.703	7.362	9.62	10.82	2.255	3.455	1.2	44.21	0.626	894	0
15	2014	38	1815	1.666	4.172	6.725	161.2	163.4	174.7	8.1	2.636	1.188	6.694	9.23	10.55	2.537	3.858	1.32	47.35	0.578	894	0
15	2014	38	1830	1.929	4.26	6.85	166.9	163.3	180.7	10.36	4.093	3.676	7.099	8.64	10.89	1.541	3.793	2.25	46.08	0.834	894	0
15	2014	38	1845	1.464	3.556	7.119	179.4	164.7	182	15.73	5.268	2.175	6.99	8.3	11.04	1.314	4.047	2.74	45.69	0.805	894	0
15	2014	38	1900	0.896	2.368	6.885	209.1	169.6	188.2	22.94	7.958	2.169	6.653	7.762	10.53	1.109	3.874	2.77	46.8	0.768	894	0
15	2014	38	1915	0.776	2.028	6.495	173.6	171.2	191.1	26.58	9.3	2.766	6.326	7.425	10.14	1.099	3.814	2.72	46.89	0.576	894	0
15	2014	38	1930	0.717	2.209	6.611	169	170.4	197.3	29.63	8.95	4.639	5.446	7.252	10.88	1.806	5.433	3.63	50.19	0.7	894	0
15	2014	38	1945	0.878	2.471	6.789	185	181.5	203	18.48	5.331	5.543	5.606	7.554	11.4	1.948	5.796	3.85	49.56	0.725	894	0
15	2014	38	2000	0.835	2.611	6.965	185.2	169.2	195.8	26.57	6.164	2.991	5.083	7.033	10.79	1.951	5.706	3.76	51.49	0.793	894	0
15	2014	38	2015	1.104	2.694	6.998	189.9	170.5	202.4	17.73	6.007	7.703	5.214	6.939	10.77	1.725	5.552	3.83	51.52	0.927	895	0
15	2014	38	2030	0.847	2.684	6.208	178.9	170.2	205.1	20.21	5.782	4.751	4.691	7.137	10.84	2.446	6.148	3.7	53.91	0.722	895	0
15	2014	38	2045	0.704	2.002	6.37	215.6	154.1	182.3	33.16	11.55	9.2	4.972	6.117	10.54	1.145	5.564	4.42	53.16	0.872	895	0
15	2014	38	2100	0.926	2.505	5.725	184	147	188.8	32.94	7.84	4.118	5.008	6.069	10.34	1.061	5.334	4.27	52.88	0.902	895	0
15	2014	38	2115	1.301	2.904	6.382	196	164.3	191	15.06	8.48	4.163	4.656	6.598	9.65	1.942	4.993	3.05	53.94	0.924	895	0
15	2014	38	2130	0.907	2.606	5.859	151.5	156.5	201.6	26.06	9.04	4.38	4.198	6.214	9.83	2.017	5.633	3.62	55.41	0.628	895	0
15	2014	38	2145	1.206	3.237	5.051	137.4	134.8	186.7	21.17	7.194	5.727	3.916	5.848	9.12	1.932	5.205	3.27	57.99	0.679	895	0
15	2014	38	2200	0.742	3.285	3.993	152.3	123.9	185.5	52.51	4.4	5.28	3.858	6.103	9.64	2.245	5.779	3.54	58.79	0.591	895	0
15	2014	38	2215	0.709	2.72	3.227	111.5	134	189.2	24.95	8.63	6.966	3.552	7.402	8.83	3.85	5.275	1.43	58.98	0.51	895	0
15	2014	38	2230	0.75	3.044	2.938	130.2	138	189	28.94	3.179	8.52	3.475	8.35	9.15	4.871	5.675	0.8	59.06	0.499	895	0
15	2014	38	2245	0.623	3.359	3.366	169.9	134.7	189.2	35.16	4.149	6.89	3.439	6.898	9.23	3.459	5.794	2.33	60.22	0.567	895	0
15	2014	38	2300	0.631	2.966	3.486	154.7	142.9	198.6	30.4	5.622	7.033	3.131	6.885	9.3	3.754	6.173	2.42	61.51	0.571	895	0
15	2014	38	2315	0.805	3.063	3.706	170.4	146.2	199	40.02	6.465	7.174	2.889	6.353	8.93	3.465	6.045	2.58	62.49	0.629	895	0
15	2014	38	2330	1.162	3.319	4.577	135.3	147.7	194.9	24.55	8.08	10.39	3.182	6.552	9.08	3.37	5.896	2.53	62.92	0.784	895	0
15	2014	38	2345	1.046	3.137	5.379	162.3	156.2	197.5	19.69	8.87	5.27	3.648	5.682	9.29	2.033	5.64	3.61	61.12	0.889	895	0
15	2014	38	2400	0.94	2.892	6.64	199.9	178.2	216.1	13.35	7.311	6.993	3.644	5.998	10.33	2.354	6.683	4.33	60.81	0.905	895	0
15	2014	39	15	0.982	2.765	5.997	170.1	167.6	225.5	28	12.38	3.336	4.348	6.702	10.95	2.354	6.606	4.25	58.06	0.961	894	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	39	45	0.908	2.85	4.356	153.3	149.6	211.6	30.62	12.33	8.51	3.904	5.842	9.62	1.938	5.713	3.78	60.45	0.719	894	0
15	2014	39	100	1.389	3.57	4.464	132.7	138.1	194.6	13.3	3.855	4.162	3.802	6.079	9.12	2.276	5.313	3.04	62.51	0.704	894	0
15	2014	39	115	0.776	2.578	4.468	138.2	140	193.8	57.46	6.585	6.036	4.367	6.324	8.56	1.957	4.194	2.24	60.27	0.724	894	0
15	2014	39	130	1.002	2.364	4.765	181.6	174.3	206.2	20.81	13.78	5.72	5.132	7.009	8.8	1.877	3.664	1.79	56.02	0.854	894	0
15	2014	39	145	0.607	1.71	5.656	95.4	173.1	201.6	52.67	10.7	3.876	4.992	6.821	8.57	1.829	3.576	1.75	55.9	0.718	894	0
15	2014	39	200	1.343	1.484	4.486	71.56	120.8	191.7	13.29	23.69	7.684	4.128	6.774	8.36	2.646	4.233	1.59	59.1	0.652	894	0
15	2014	39	215	0.973	1.563	3.868	89.9	149.5	195.9	22.55	24.33	8.98	4.348	7.164	7.914	2.816	3.566	0.75	59.05	0.591	894	0
15	2014	39	230	1.02	1.384	4.818	99	168	200.7	23	14.34	3.577	3.205	6.885	8.64	3.68	5.433	1.76	62.85	0.582	894	0
15	2014	39	245	0.992	2.018	4.869	137.9	176.8	199.6	18.31	8.07	4.136	3.635	6.975	9.04	3.34	5.403	2.06	61.77	0.586	894	0
15	2014	39	300	0.929	2.251	4.779	109.7	174.8	195.7	51.21	8.01	8.07	2.958	6.866	8.76	3.907	5.8	1.89	64.32	0.534	894	0
15	2014	39	315	0.771	1.664	4.311	107.7	156.6	193.9	79.2	38.36	8.76	2.852	6.383	8.64	3.531	5.786	2.26	63.19	0.548	894	0
15	2014	39	330	1.21	1.001	3.114	49.88	118.8	200.8	22.15	26.1	5.616	0.855	6.297	8.38	5.442	7.52	2.08	71.3	0.355	894	0
15	2014	39	345	0.899	0.946	3.807	56.45	186.5	217.6	16.8	9.56	7.599	-0.973	6.661	8.66	7.634	9.63	2	78.69	0.412	894	0
15	2014	39	400	0.898	1.365	3.407	105.6	187.3	224.9	36.91	6.123	7.087	-0.643	6.698	8.52	7.341	9.16	1.82	79.13	0.396	894	0
15	2014	39	415	1.317	1.408	2.359	21.92	191.3	257.1	19.8	76.93	36.1	-0.383	5.84	8.05	6.222	8.43	2.21	76.19	0.454	894	0
15	2014	39	430	1.756	3.773	1.685	44.36	30.88	20.19	11.55	10.11	13.52	0.326	4.836	6.308	4.51	5.981	1.47	77.79	0.537	894	0
15	2014	39	445	1.546	3.785	2.093	55.18	52.91	35.75	8.34	4.074	4.442	0.238	3.77	7.16	3.532	6.921	3.39	78.93	0.54	894	0
15	2014	39	500	1.264	3.348	1.939	54.55	69.88	40.38	15.68	4.074	3.581	0.756	3.755	7.709	2.999	6.953	3.95	76.06	0.609	894	0
15	2014	39	515	1.729	3.52	2.415	44.5	65.69	0.877	8	2.584	11.67	0.338	6.8	8.9	6.462	8.56	2.1	77.31	0.433	894	0
15	2014	39	530	1.435	2.974	2.217	49.74	73.73	345.2	48.6	33.2	9.5	0.458	6.077	9.1	5.62	8.65	3.02	76.41	0.465	894	0
15	2014	39	545	0.714	1.771	0.867	188.8	118.9	352.9	90.9	16.97	20.86	-0.106	2.888	8.6	2.994	8.71	5.71	78.29	0.295	895	0
15	2014	39	600	1.034	2.211	0.973	56.55	115	9.24	56.81	15.5	19.22	-1.191	6.666	8.75	7.858	9.94	2.08	80.9	0.382	895	0
15	2014	39	615	0.489	2.623	0.657	347.7	127.5	81.7	26.98	4.623	48.68	-0.876	5.666	8.3	6.541	9.17	2.63	81.1	0.344	895	0
15	2014	39	630	1.1	1.818	0.302	44.72	134.6	125.3	16.93	8.9	52.74	-1.22	6.681	8.12	7.901	9.34	1.44	81.1	0.466	895	0
15	2014	39	645	0.494	1.307	0.475	43.21	159.8	306.9	38.07	8.77	39.15	-0.863	7.503	8.51	8.37	9.37	1.01	80.4	3.834	895	0
15	2014	39	700	0.998	1.372	0.748	22.32	144.8	290.4	10.95	16.6	23.06	-0.703	7.093	8.61	7.796	9.31	1.52	79.7	14.57	895	0
15	2014	39	715	1.015	0.518	1.323	31.79	128.6	315.9	3.216	12.18	5.793	0.246	7.201	8.73	6.955	8.48	1.53	78.15	34.5	895	0
15	2014	39	730	0.864	0.37	1.438	41.12	114	311.6	12.27	12.22	2.712	0.564	7.154	8.84	6.59	8.28	1.69	79.16	64.22	896	0
15	2014	39	745	0.428	0.716	1.253	72.97	132.8	306.1	31.11	11.8	4.55	1.82	7.267	8.83	5.447	7.011	1.56	81.2	112.5	896	0
15	2014	39	800	0.587	1.795	1.457	149	136.6	286.9	37.86	6.564	7.297	4.867	6.892	8.83	2.025	3.962	1.94	72.82	151	896	0
15	2014	39	815	0.508	1.006	1.734	137.2	122.2	277.5	18.71	7.046	7.965	6.288	6.407	8.72	0.12	2.436	2.31	62.23	140.9	896	0
15	2014	39	830	0.462	0.862	2.789	282.8	232.2	284.2	37.62	66.25	6.193	6.57	7.211	8.49	0.641	1.916	1.28	62.33	177	896	0
15	2014	39	845	1.588	2.011	2.703	301.3	296.1	295	13.7	10.9	6.162	7.481	7.607	7.526	0.126	0.045	-0.08	53.91	254.3	896	0
15	2014	39	900	2.187	2.557	3.044	323.4	320.9	322.3	14.99	13.47	11.62	7.678	7.333	7.194	-0.345	-0.484	-0.14	49.98	425.3	896	0
15	2014	39	915	1.858	2.274	2.508	325.3	323	334.8	17.83	13.86	15.66	9.1	8.7	8.14	-0.404	-0.96	-0.56	41.88	453.4	896	0
15	2014	39	930	2.421	2.817	3.048	314	312.1	317.1	21.98	20.16	16.98	10.14	9.65	9.02	-0.489	-1.114	-0.63	38.75	532.2	897	0
15	2014	39	945	2.802	3.104	3.395	295	294.4	295.6	16.35	12.66	8.19	10.78	10.2	9.56	-0.576	-1.22	-0.64	35.85	544.7	897	0
15	2014	39	1000	3.38	3.649	3.59	307.6	303.8	303.8	14.24	12.5	9.35	10.89	10.36	9.76	-0.533	-1.133	-0.6	35.82	489.5	897	0
15	2014	39	1015	2.939	3.354	3.404	302.4	301.4	305.4	18.33	14.41	11.63	11.54	10.89	10.11	-0.656	-1.428	-0.78	35.17	604.3	897	0
15	2014	39	1030	3.098	3.33	3.237	312.2	310.8	307.1	14.43	10.71	9.69	12.28	11.61	10.89	-0.675	-1.388	-0.72	33.34	679.4	897	0
15	2014	39	1045	3.219	3.849	3.68	301.9	298.9	300.7	21.3	16.71	11.45	13.31	12.55	11.83	-0.763	-1.486	-0.72	30.74	685.9	897	0
15	2014	39	1100	3.695	4.033	4.327	304	301.1	299.9	14.95	12.49	10.25	13.83	13.15	12.41	-0.672	-1.416	-0.74	28.52	622.2	897	0
15	2014	39	1115	3.788	4.164	4.465	295.7	296.1	297.5	15.78	11	7.835	14.31	13.52	12.77	-0.791	-1.536	-0.75	27.84	682.3	897	0
15	2014	39	1130	3.43	4.657	5.32	281.6	280.8	283.1	13.48	10.77	8.73	14.58	13.76	13.08	-0.814	-1.493	-0.68	26.67	560.3	897	0
15	2014	39	1145	3.024	4.169	4.857	270.9	272	275.3	14.5	13.26	10.65	14.89	14.05	13.31	-0.842	-1.578	-0.74	26.59	558.1	896	0
15	2014	39	1200	2.94	4.076	4.672	257.2	260.6	266.2	15.09	12.12	9.81	14.78	13.95	13.26	-0.822	-1.514	-0.69	27.6	531.3	896	0
15	2014	39	1215	2.896	4.108	4.811	276.3	276.6	277	15.83	11.03	9.52	15.01	14.23	13.57	-0.774	-1.437	-0.66	26.32	487.7	896	0
15	2014	39	1230	3.249	3.998	4.456	287.1	285	285.3	19.37	16.26	13.13	15.27	14.53	13.84	-0.736	-1.42	-0.69	25.35	531.9	896	0
15	2014	39	1245	2.601	3.573	3.997	266	265.7	268.7	19.05	14.83	13.86	15.62	14.75	13.98	-0.871	-1.64	-0.77	24.67	608.9	896	0
15	2014	39	1300	2.593	3.467	3.827	258.5	259.5	265.7	17.13	14.4	15.19	15.67	14.74	14.13	-0.924	-1.54	-0.61	23.17	671.7	895	0
15	2014	39	1315	3.025	3.858	4.163	267.9	269.5	273.5	21.6	20.05	17.22	16.36	15.38	14.57	-0.976	-1.785	-0.81	21.5	690	895	0
15	2014	39	1330	2.966	4.064	4.66	272.6	270.3	272.1	16.08	14.44	11.73	16.36	15.54	14.79	-0.825	-1.571	-0.75	20.69	511.1	895	0
15	2014	39	1345	3.142	4.118	4.559	256.1	256	260.7	18.52	13.05	11.28	16.42	15.49	14.85	-0.928	-1.574	-0.64	20.34	608.4	895	0
15	2014	39	1400	2.654	3.549	3.913	248.5	249.9	251.2	21.24	15.43	14	16.87	15.86	15.12	-1.007	-1.746	-0.74	20.37	667.9	895	0
15	2014	39	1415	2.622	3.5	4.013	262	260.4	259.6	18.02	16.24	14.89	17.07	16.21	15.48	-0.87	-1.59	-0.73	19.84	565.2	895	0
15	2014	39	1430	2.673	3.547	3.965	265.4	265.1	262.5	23.22	20.66	15.88	17.61	16.68	15.9	-0.936	-1.713	-0.78	19.66	654.4	894	0
15	2014	39	1445	2.527	3.309	3.67	264.1	265.6	266.1	20.52	18.23	13.79	17.51	16.7	15.98	-0.812	-1.531	-0.72	19.54	596.9	895	0
15	2014	39	1500	2.573	3.095	3.435	277	273.5	274.8	27.56	21.84	17.27	17.56	16.95	16.29	-0.606	-1.263	-0.66	19.15	541.9	895	0
15	2014	39	1515	2.084	2.504	2.959	258.9	260.1	264.7	26.77	27.77	22.52	17.97	17.36	16.64	-0.616	-1.333	-0.72	18.6	505.1	895	0
15	2014	39	1530	2.542	3.398	3.657	254.8	256.3	263.1	19.31	16.27	13.7	18.22	17.41	16.79	-0.812	-1.424	-0.62	18.12	446.2	895	0
15	2014	39	1545	2.286	3.11	3.566	261.6	255.7	251.1	22.41	22.44	15.99	18	17.44	16.82	-0.565	-1.182	-0.62	18.22	374.7	895	0
15	2014	39	1600	2.729	3.606	3.73	233.6	234	239.7	19.13	15.13	12.69	18.02	17.46	16.95	-0.555	-1.066	-0.51	18.13	307.5	895	0
15	2014	39	1615	2.583	3.539	4.037	238.6	237.4	239.4	16.56	14.36	10.17	18.11	17.62	17.13	-0.487	-0.979	-0.49	18.05	267.2	895	0
15	2014	39	1630	2.846	4.015	4.784	238.6	237.4	239.3	13.69	10.78	8.57	18.1	17.83	17.36	-0.27	-0.735	-0.47	18.1	204.1	895	0
15	2014	39	1645	2.728	3.844	4.543	228.1	228	230.6	14.49	12.75	9.21	18.06	17.9	17.49	-0.158	-0.567	-0.41	18.26	173.7	895	0
15	2014	39	1700	2.181	3.087	3.927	236.9	237.8	237.6	12.55	10.21	7.272	17.97	17.9	17.55	-0.064	-0.411	-0.35	18.52	144.7	895	0
15	2014	39	1715	1.405	2.318	3.04	255.5	250.4	244	11.31	8.45	7.645	17.46	17.8	17.57	0.335	0.109	-0.23	19.37	81	895	0
15	2014	39	1730	1.249	2.342	3.46	244.6	243.7	242.6	9.35	5.32	3.993	16.36	17.66	17.62	1.299	1.26	-0.04	21.18	27.2	895	0
15	2014	39	1745	1.246	2.577	4.484	239.3	240.1	243.2	14.67	7.912	4.805	15.67	17.3	17.73	1.634	2.058	0.43	22.41	4.25	895	0
15	2014	39	1800	1.041	2.29	4.435	181.2	229.5	229.7	28.71	6.97	5.384	14.02	16.7	17.67	2.684	3.65	0.97	24.72	1.738	895	0
15	2014	39	1815	0.641	1.635	4.12	53.04	234.6	231.5	48.16	10.26	3.705	11.05	16.07	17.48	5.02	6.423	1.41	31.08	0.339	895	0
15	2014	39	1830	1.082	1.352	4.191	88.7	208.3	226	35.46	19.94	4.492	9.07	15.14	17.11	6.064	8.03	1.97	37.42	0.412	895	0
15	2014	39	1845	1.119	1.857	4.411	140	190	220.2	11.08	10.14	3.731	10.22	14.91	16.86	4.687	6.642	1.95	34.85	0.486	896	0
15	2014	39	1900	1.011	1.694	5.082	134	205	222.5	5.961	3.009	4.132	10.45	14.93	17.19	4.479	6.741	2.26	32.93	0.563	896	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	39	1915	0.918	1.593	4.884	119.1	204.4	219.1	20.39	9.36	9.06	8.68	14.38	16.5	5.703	7.818	2.12	38.33	0.513	896	0
15	2014	39	1930	0.8	1.648	4.811	106.7	162.9	214.6	17.9	11.46	6.486	9.98	13.12	15.78	3.141	5.803	2.66	34.08	0.584	896	0
15	2014	39	1945	0.479	2.117	4.807	77.75	177.1	222.4	33.65	6.89	3.523	7.128	12.61	15.21	5.478	8.08	2.6	44.88	0.476	896	0
15	2014	39	2000	0.718	2.511	4.872	148.9	191.5	229.9	36.62	6.798	2.892	7.309	12.2	14.68	4.888	7.372	2.48	43.9	0.522	896	0
15	2014	39	2015	1.018	2.128	4.99	136.7	203.5	243.5	27.44	9.52	5.432	7.55	12.08	14.76	4.53	7.209	2.68	42.1	0.761	896	0
15	2014	39	2030	1.668	2.274	4.469	139.6	192.7	236.7	11.11	8.41	5.62	7.873	12.41	14.7	4.536	6.826	2.29	41.32	0.697	896	0
15	2014	39	2045	1.039	1.704	4.386	113.5	195.5	246.9	24.35	6.738	5.337	7.851	12.6	15.21	4.748	7.36	2.61	39.98	0.628	896	0
15	2014	39	2100	0.973	1.041	4.285	68.51	203.2	256	22.43	14.84	3.31	6.269	13.4	15.31	7.135	9.04	1.91	45.79	0.437	896	0
15	2014	39	2115	0.857	0.891	4.523	83.7	196.2	250.1	24.52	26.12	8.41	5.932	13.5	15.2	7.57	9.27	1.7	49.53	0.482	896	0
15	2014	39	2130	0.713	1.149	4.044	40.52	206.9	245.6	53.98	33.21	7.776	5.887	13.51	14.85	7.623	8.96	1.34	47.64	0.54	896	0
15	2014	39	2145	1.004	1.328	5.102	50.84	249.2	261	24.79	8.82	3.687	4.431	13.73	15.33	9.3	10.9	1.6	54.65	0.496	896	0
15	2014	39	2200	0.49	2.024	4.948	1.308	248.4	265	51.65	7.848	4.161	5.061	13.78	15.18	8.72	10.12	1.4	51.58	0.488	896	0
15	2014	39	2215	1.021	2.56	5.1	334.9	271.5	282.1	16.2	7.528	6.193	4.88	13.9	14.95	9.02	10.07	1.05	54.82	0.541	896	0
15	2014	39	2230	1.027	2.595	4.847	325.9	288.6	293.4	7.672	4.975	3.258	7.462	13.56	14.68	6.094	7.216	1.12	41.69	0.747	896	0
15	2014	39	2245	1.358	2.461	3.333	352.5	307.6	307.9	12.29	10.03	5.418	8.08	13.08	14.37	4.996	6.289	1.29	38.99	0.696	896	0
15	2014	39	2300	1.501	3.044	4.946	41.53	355.7	321.6	8.46	17.85	2.775	5.882	11.99	13.93	6.105	8.05	1.94	46.63	0.776	896	0
15	2014	39	2315	1.536	3.328	5.127	44.87	15.39	324.4	8.91	7.4	2.644	4.871	11.58	13.73	6.705	8.86	2.15	52.93	0.582	896	0
15	2014	39	2330	1.531	4.103	5.966	22.55	358	325.7	7.133	8.82	3.511	4.972	12.23	13.72	7.253	8.75	1.49	52.66	0.628	896	0
15	2014	39	2345	2.194	5.161	6.868	12.09	357.7	329	7.236	10.91	3.573	7.15	11.82	13.7	4.668	6.55	1.88	45.27	1.131	896	0
15	2014	39	2400	2.037	4.678	6.09	31.2	19.63	337.2	9.15	6.929	6.144	7.235	10.07	13.59	2.836	6.355	3.52	43.84	0.895	896	0
15	2014	40	15	2.218	5.041	6.338	30.3	25.39	347.9	8.38	2.931	3.858	7.039	9.45	13.25	2.416	6.208	3.8	45.46	0.807	896	0
15	2014	40	30	1.934	4.493	6.363	30.85	23.04	345.2	8.79	2.659	3.711	7.185	9.44	13.28	2.253	6.094	3.84	44.32	0.735	896	0
15	2014	40	45	2.003	4.769	6.549	35.56	26.67	348.6	9.28	3.009	3.519	7.04	9.64	13.53	2.595	6.495	3.89	45.66	0.765	895	0
15	2014	40	100	1.746	3.984	6.97	44.74	29.84	348.5	16.5	6.242	2.271	7.306	9.17	13.76	1.862	6.455	4.59	43.74	0.778	895	0
15	2014	40	115	0.976	2.994	5.188	65.31	61.13	0.801	30.78	9.6	11.06	6.329	8.48	12.91	2.146	6.585	4.43	47.64	0.534	895	0
15	2014	40	130	1.338	3.605	5.002	37.02	47.01	1.101	16.1	3.795	12.44	6.028	9.87	12.89	3.845	6.857	3.02	48.75	0.663	895	0
15	2014	40	145	1.268	3.531	4.987	42.38	46.93	1.513	10.13	2.692	10.24	6.416	10.28	13	3.866	6.588	2.72	47.59	0.646	895	0
15	2014	40	200	1.701	3.727	5.264	52.28	42.94	358.4	9.2	2.15	9.55	6.011	10.76	13.47	4.745	7.458	2.71	48.61	0.599	895	0
15	2014	40	215	1.803	4.191	5.492	38.75	40.6	358.5	6.083	1.575	11.39	5.549	10.4	13.42	4.847	7.867	3.02	50.26	0.601	895	0
15	2014	40	230	1.708	3.898	5.252	45.46	41.1	354.2	8.08	2.752	7.483	5.145	9.88	13.42	4.736	8.28	3.54	51.62	0.565	895	0
15	2014	40	245	1.831	4.237	5.768	34.92	36.19	347.2	5.744	2.744	2.902	4.946	9.94	13.45	4.993	8.5	3.51	52.72	0.626	895	0
15	2014	40	300	2.106	4.234	6.688	41.87	30.3	345.3	7.665	1.514	3.219	5.505	8.89	13.57	3.389	8.07	4.68	50.42	0.801	895	0
15	2014	40	315	1.918	4.31	6.712	44.06	33.52	346.8	8.14	3.584	3.218	4.941	8.59	13.66	3.651	8.72	5.07	52.37	0.615	894	0
15	2014	40	330	2.063	4.447	5.986	39.82	31.5	344	9.66	2.383	2.965	5.457	8.72	14.11	3.263	8.65	5.39	51.5	0.737	894	0
15	2014	40	345	1.324	3.303	4.728	44.31	47.85	340.9	15.1	7.172	3.057	5.205	8.46	14.16	3.25	8.95	5.7	51.22	0.521	894	0
15	2014	40	400	1.875	4.218	5.077	40.93	35.3	348.4	6.495	3.408	2.617	4.581	9.46	14.2	4.882	9.62	4.74	54.87	0.595	894	0
15	2014	40	415	1.988	4.272	5.529	50.92	43.34	348.7	9.15	3.723	2.986	5.935	9.48	14.15	3.543	8.22	4.67	50.46	0.841	894	0
15	2014	40	430	2.075	4.184	5.16	61.56	50.55	349.2	9.02	3.782	3.498	6.86	9.74	14.2	2.879	7.344	4.46	46.55	0.941	894	0
15	2014	40	445	1.878	3.729	4.11	78.03	60.55	351.2	8.68	4.309	11.04	7.382	11.47	13.99	4.09	6.607	2.52	44.22	0.839	893	0
15	2014	40	500	0.847	2.741	2.999	23.96	67.65	351.7	57.33	8.39	11.05	6.334	10.64	13.69	4.307	7.356	3.05	47.11	0.436	893	0
15	2014	40	515	1.243	2.721	3.429	34.08	45.73	324.3	18.21	4.036	7.023	5.587	12.46	14.82	6.871	9.23	2.36	50.87	0.436	893	0
15	2014	40	530	1.013	1.95	2.523	60.29	86.6	331	94.4	58.02	9.5	4.85	10.8	14.07	5.948	9.22	3.27	52.99	0.414	894	0
15	2014	40	545	0.831	1.574	0.597	151.1	157	240.5	71.01	18.9	33.87	4.897	8.83	13.01	3.932	8.12	4.18	53.82	0.347	894	0
15	2014	40	600	0.853	1.059	1.493	49.91	171.4	236.6	16.17	13	12.22	3.8	10.67	12.69	6.868	8.89	2.02	56.85	0.313	894	0
15	2014	40	615	1.284	0.863	1.454	29.76	133.1	267.6	13.14	19.07	21.56	3.176	10.85	12.7	7.673	9.52	1.85	60.59	0.28	894	0
15	2014	40	630	1.73	1.637	1.224	34.86	50.86	332.7	10.91	20.04	16.89	3.176	10.08	12.08	6.902	8.9	2	60.88	0.457	894	0
15	2014	40	645	1.554	2.5	1.376	38.6	42.48	340.6	14.29	7.943	7.753	2.565	10.2	12.49	7.635	9.93	2.29	65.36	2.321	894	0
15	2014	40	700	1.358	2.058	1.445	30.48	37	332.8	11.8	4.389	18.81	2.881	10.57	12.73	7.686	9.85	2.16	64.51	8.42	894	0
15	2014	40	715	1.744	3.123	1.957	34.97	38.24	354.5	15.26	3.751	15.62	3.944	10.26	12.64	6.311	8.69	2.38	61.63	29.99	894	0
15	2014	40	730	1.19	2.774	1.658	86.2	70.82	22.45	43.49	28.04	57.1	5.727	7.094	12.46	1.367	6.73	5.37	54.94	47.51	895	0
15	2014	40	745	1.288	2.192	1.647	152.6	112.2	142.4	81.8	52.02	29.07	6.242	7.752	12.51	1.51	6.265	4.76	53.67	65.83	895	0
15	2014	40	800	1.081	1.813	1.827	161.9	147.4	141.1	41.22	24.5	20.88	6.803	7.205	12.39	0.402	5.589	5.18	51.8	93	895	0
15	2014	40	815	0.936	1.843	2.619	60.28	79.94	109.4	47.85	33.39	7.76	7.868	8.21	11.78	0.341	3.91	3.57	48.46	129.3	895	0
15	2014	40	830	0.619	1.208	2.933	80.7	96.4	117.9	41.85	29.05	9.76	9.66	9.77	12.29	0.108	2.634	2.52	45.01	239.1	895	0
15	2014	40	845	1.388	1.746	2.464	143	139.1	136.7	17.45	11.97	7.456	12.09	11.74	11.8	-0.352	-0.299	0.06	35.16	259.9	895	0
15	2014	40	900	1.853	2.369	2.882	135	132.6	140	19.28	14.85	11.79	12.9	12.47	12.74	-0.424	-0.153	0.27	32.61	289.1	895	0
15	2014	40	915	1.355	1.772	1.981	122.5	121.1	121.9	22.16	17.46	15.84	13.71	13.35	12.94	-0.366	-0.768	-0.41	30.91	299	895	0
15	2014	40	930	1.488	1.729	1.774	143.3	146.7	146.6	27.15	19.21	17.82	15.2	14.67	14.14	-0.538	-1.062	-0.53	26.73	533.9	894	0
15	2014	40	945	1.892	2.286	2.1	177	175.9	170.9	21.97	15.65	13.04	16.03	15.35	14.8	-0.679	-1.227	-0.55	25.5	577.1	894	0
15	2014	40	1000	2.602	3.189	3.3	171.2	170.6	168.2	18	13.25	8.4	17.01	16.1	15.42	-0.907	-1.59	-0.68	23.54	615	894	0
15	2014	40	1015	2.76	3.584	3.78	174.7	170.8	171.3	18.53	13.37	10.8	18.14	17.04	16.36	-1.103	-1.786	-0.68	20.63	632.3	894	0
15	2014	40	1030	2.643	3.336	3.663	179.1	177.8	180.3	28.21	22.04	17.32	19.05	18.01	17.16	-1.048	-1.893	-0.85	19.29	680.2	894	0
15	2014	40	1045	3.215	4.152	4.251	206.9	206.2	205.7	22.28	18.69	13.74	19.4	18.16	17.47	-1.244	-1.935	-0.69	18.61	706.6	894	0
15	2014	40	1100	3.113	3.901	4.266	210.5	211.9	216.1	18.03	15.49	11.46	19.73	18.57	17.75	-1.155	-1.973	-0.82	18.54	729.2	893	0
15	2014	40	1115	3.049	3.808	3.992	223.8	222.5	220.5	19.5	17.69	15.99	19.99	18.95	18.19	-1.038	-1.801	-0.76	17.77	745.7	893	0
15	2014	40	1130	3.066	3.892	4.457	236.4	233.5	230.6	16.08	13.29	9.76	20.4	19.3	18.45	-1.1	-1.946	-0.85	17.06	762.2	893	0
15	2014	40	1145	3.25	4.09	4.401	225.2	227.9	231.7	17.86	16.34	17.8	20.5	19.35	18.65	-1.156	-1.853	-0.7	16.82	775.8	893	0
15	2014	40	1200	2.915	3.682	4.147	240.6	241.4	241.3	18.29	15.47	12.31	20.93	19.78	18.99	-1.159	-1.947	-0.79	16.8	785.2	893	0
15	2014	40	1215	2.699	3.542	4.04	247.5	250	247.2	16.55	15.66	12.98	21.35	20.26	19.34	-1.088	-2.011	-0.92	16.38	791.3	892	0
15	2014	40	1230	2.809	3.695	4.236	237.6	240.6	248.5	23.57	20	15.66	21.68	20.54	19.77	-1.139	-1.911	-0.77	16.26	792.7	892	0
15	2014	40	1245	3.017	3.726	3.954	275.3	276.2	280.3	25.34	21.77	21.27	21.85	20.88	20.16	-0.974	-1.69	-0.72	16.35	787.8	892	0
15	2014	40	1300	3.267	4.367	4.95	281.6	282	283.1	15.55	12.05	9.13	22.16	21.12	20.36	-1.034	-1.8	-0.76	16.37	779.8	892	0
15	2014	40	1315	3.123	3.886	4.135	274.7	275.3	281.9	22.54	19.04	17.65	22.21	21.24	20.48	-0.974	-1.727	-0.76	16.49	769.2	891	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	40	1345	3.39	4.441	5.072	260.6	259.8	263.8	21.55	19.08	15.18	22.75	21.67	20.84	-1.084	-1.915	-0.83	16.53	732.4	891	0
15	2014	40	1400	3.2	4.121	4.795	241.3	241	246.9	15.25	14.19	12.15	22.9	21.85	21	-1.051	-1.904	-0.85	16.34	706.6	890	0
15	2014	40	1415	2.968	3.826	3.901	244.3	245.8	256.2	17.58	14.95	15.13	23.04	22.09	21.32	-0.955	-1.721	-0.77	16.43	674.7	890	0
15	2014	40	1430	2.691	3.474	3.793	254.3	257.7	256.6	23.11	17.75	13.51	23.16	22.36	21.54	-0.805	-1.617	-0.82	16.54	638.7	890	0
15	2014	40	1445	2.428	3.221	3.474	255.4	253.6	252	19.58	18.07	15.69	23.31	22.47	21.74	-0.837	-1.57	-0.73	16.47	599.2	890	0
15	2014	40	1500	3.245	4.445	5.308	266.1	265.2	268.4	21.43	17.25	14.66	23.59	22.67	21.98	-0.914	-1.611	-0.69	16.71	555.6	890	0
15	2014	40	1515	4.647	6.786	8.36	278.6	279.4	282.3	14.38	10.87	8.11	24.04	23.26	22.47	-0.781	-1.57	-0.79	16.85	504.8	890	0
15	2014	40	1530	5.18	7.406	9.2	280.3	279.9	281.2	13.11	10.03	6.674	24.06	23.41	22.67	-0.646	-1.393	-0.74	16.62	454.7	890	0
15	2014	40	1545	4.938	7.477	8.98	277.1	277.2	278.4	13.27	9.22	6.669	24.12	23.52	22.84	-0.598	-1.272	-0.68	16.84	406.9	890	0
15	2014	40	1600	4.312	6.704	7.785	273.6	273.3	275.1	12.3	8.97	6.232	23.93	23.39	22.8	-0.537	-1.134	-0.59	16.99	344.3	890	0
15	2014	40	1615	3.836	5.689	6.901	257.7	256.3	258.9	14.67	12.53	9.27	23.73	23.3	22.75	-0.429	-0.975	-0.55	17.71	282	890	0
15	2014	40	1630	3.452	5.246	6.394	258.2	258	259.3	12.9	9.41	7.687	23.44	23.12	22.63	-0.322	-0.805	-0.49	18.65	232.2	890	0
15	2014	40	1645	3.948	5.805	6.931	252.1	252.6	254.6	12.34	8.36	4.322	23.08	22.92	22.54	-0.154	-0.537	-0.38	19.17	178.7	890	0
15	2014	40	1700	3.409	5.015	6.55	252.9	253.7	255.3	10.48	6.622	3.795	22.67	22.7	22.42	0.024	-0.253	-0.28	20.21	123.8	890	0
15	2014	40	1715	2.116	3.233	5.127	249	249.1	254.3	10.15	7.004	3.645	21.99	22.35	22.37	0.363	0.384	0.02	21.49	67.51	890	0
15	2014	40	1730	1.322	2.499	4.334	251.6	251.5	256.3	9.4	6.466	3.013	20.99	21.91	22.12	0.921	1.132	0.21	23.49	27.98	890	0
15	2014	40	1745	1.31	2.93	4.787	267.1	262.9	270.1	15.85	11.34	8.52	19.65	21.52	22	1.861	2.341	0.48	26.09	4.812	890	0
15	2014	40	1800	2.111	3.657	6.408	287.6	285.3	280.5	9.95	6.855	3.881	19.62	21.12	21.65	1.502	2.039	0.53	26.59	0.848	891	0
15	2014	40	1815	1.99	3.823	7.614	281.8	279.8	274.9	9.05	6.127	2.296	18.8	19.99	21.3	1.191	2.496	1.31	27.03	0.649	891	0
15	2014	40	1830	1.811	4.003	7.613	277.2	275.6	273.8	10.1	6.649	3.275	17.8	19.33	21.05	1.527	3.243	1.72	28.51	0.63	891	0
15	2014	40	1845	2.544	4.247	7.172	288.3	285.1	275	10.84	6.829	3.791	18.32	19.55	20.74	1.232	2.424	1.19	27.6	0.765	891	0
15	2014	40	1900	1.684	3.757	8.36	271.7	271.8	267.2	11.41	7.256	2.292	17.74	18.86	20.75	1.123	3.006	1.89	28.15	0.643	891	0
15	2014	40	1915	1.595	3.777	8.69	269.7	270.9	268.3	11.58	6.698	1.749	17.49	18.9	21.21	1.41	3.723	2.31	29.25	0.665	891	0
15	2014	40	1930	1.849	4.198	8.5	275.1	273.3	267.1	9.72	5.877	1.614	17.58	18.93	21.41	1.352	3.831	2.48	28.74	0.884	891	0
15	2014	40	1945	0.899	2.188	7.311	230.4	255.4	267.1	68.18	21.89	2.69	16.47	18.03	21.12	1.558	4.647	3.09	30.82	0.55	891	0
15	2014	40	2000	0.796	2.878	5.745	294	277.9	269.4	29.68	6.805	3.516	15.79	18.83	20.93	3.034	5.136	2.1	31.68	0.526	891	0
15	2014	40	2015	0.729	2.753	4.766	288.5	266.8	262.6	22.04	4.155	2.144	14.59	18.66	20.56	4.071	5.971	1.9	35.41	0.438	891	0
15	2014	40	2030	0.876	1.982	4.223	55.46	252.4	262.3	40.9	31.67	5.629	11.93	18.3	20.24	6.367	8.3	1.94	40.47	0.482	891	0
15	2014	40	2045	1.243	2.166	2.322	107	141.6	223.3	22.63	8.04	21.47	11.19	17.55	19.1	6.357	7.905	1.55	44.52	0.32	891	0
15	2014	40	2100	2.148	3.866	3.102	116.3	130.2	178.7	11.95	8.9	25.07	12.35	17.61	19.32	5.255	6.971	1.71	42.68	0.809	891	0
15	2014	40	2115	4.878	7.075	8.74	99.7	95.3	103.1	16.89	10.26	12.76	8.58	8.67	12.35	0.087	3.765	3.68	53.31	0.689	892	0
15	2014	40	2130	6.367	8.91	11.96	86.8	85.5	87	11.33	8.26	4.834	5.403	5.301	5.498	-0.102	0.094	0.2	67.8	0.85	892	0
15	2014	40	2145	5.868	8.43	11.79	95.3	93.5	94.4	12.07	7.614	3.731	4.505	4.406	4.248	-0.099	-0.256	-0.16	71.29	1.11	892	0
15	2014	40	2200	5.835	8.44	11.98	88.1	86.9	88.8	11.59	7.456	3.63	3.664	3.535	3.298	-0.129	-0.366	-0.24	74.7	1.198	892	0
15	2014	40	2215	6.041	8.44	11.61	82.2	81.7	84.6	12.16	8.09	4.856	3.144	2.999	2.685	-0.145	-0.459	-0.31	76.4	1.056	892	0
15	2014	40	2230	6.379	8.97	11.26	79.23	78.03	81	10.82	7.311	4.626	2.412	2.232	1.867	-0.18	-0.545	-0.36	79.29	1.19	892	0
15	2014	40	2245	6.245	8.58	11.39	80.3	78.62	81.5	10.15	7.722	4.507	1.725	1.498	1.132	-0.227	-0.594	-0.37	83.9	1.25	892	0
15	2014	40	2300	6.085	8.62	11.68	82	80.5	83.1	10.78	7.9	4.553	1.447	1.184	0.808	-0.262	-0.639	-0.38	86.2	1.283	892	0
15	2014	40	2315	6.432	9.03	12.09	78.53	77.93	80.9	11.13	8.08	4.672	1.272	0.97	0.522	-0.302	-0.75	-0.45	88	1.151	892	0
15	2014	40	2330	6.415	9.06	12.24	77.16	75.7	78.3	11.42	7.827	4.356	0.971	0.63	0.201	-0.341	-0.77	-0.43	89.1	1.235	892	0
15	2014	40	2345	6.356	9.07	12.4	80.4	79.1	82	11.49	7.458	4.01	0.693	0.304	-0.161	-0.389	-0.855	-0.46	90.7	1.243	892	0
15	2014	40	2400	6.73	9.08	12.07	75.76	75.28	77.84	10.6	7.704	4.659	0.502	0.097	-0.386	-0.405	-0.888	-0.48	91.2	1.431	892	0
15	2014	41	15	6.132	8.65	11.38	72.7	71.16	74.81	11.57	7.983	4.368	0.145	-0.306	-0.783	-0.451	-0.928	-0.48	91.9	1.187	893	0
15	2014	41	30	6.373	8.88	11.91	73.22	72.93	76.31	10.97	7.686	4.202	-0.052	-0.568	-1.071	-0.515	-1.019	-0.5	93.3	1.232	893	0
15	2014	41	45	6.368	8.77	11.66	75.78	74.32	77.9	11.01	7.322	4.72	-0.233	-0.783	-1.264	-0.55	-1.032	-0.48	93.9	1.211	893	0
15	2014	41	100	6.828	9.65	12.37	70.34	70.11	73.18	11.37	7.949	4.143	-0.438	-1.018	-1.494	-0.581	-1.056	-0.48	94.2	1.251	893	0
15	2014	41	115	6.482	9.17	12.02	72.95	72.64	75.38	11.5	7.778	4.974	-0.409	-1.017	-1.449	-0.609	-1.041	-0.43	94.8	1.216	894	0
15	2014	41	130	7.079	9.94	12.35	71.38	70.51	73.59	11.07	7.704	4.654	-0.48	-1.178	-1.562	-0.698	-1.082	-0.38	95.4	1.326	894	0
15	2014	41	145	6.56	9.27	11.87	71.42	69.63	71.18	11.44	7.759	4.717	-0.578	-1.344	-1.717	-0.766	-1.139	-0.37	95.6	1.305	894	0
15	2014	41	200	5.812	8.14	10.48	76.55	73.95	74.65	11.19	8.26	5.732	-0.826	-1.582	-1.971	-0.756	-1.145	-0.39	94.9	1.067	894	0
15	2014	41	215	6.325	8.77	11.3	73.69	72.7	73.16	11.44	8.42	5.328	-0.895	-1.612	-1.981	-0.716	-1.086	-0.37	94.8	1.246	894	0
15	2014	41	230	6.792	9.53	12.01	74.78	73.64	75.08	11.34	7.334	5.137	-1.037	-1.72	-2.105	-0.683	-1.068	-0.38	94.4	1.279	894	0
15	2014	41	245	6.206	8.76	11.17	75.14	72.53	74.05	11.61	7.88	4.875	-1.163	-1.812	-2.208	-0.649	-1.045	-0.4	94.1	1.187	894	0
15	2014	41	300	6.483	8.9	11.34	75.11	72.85	73.54	10.89	7.729	4.878	-1.171	-1.829	-2.224	-0.658	-1.053	-0.4	94.1	1.305	895	0
15	2014	41	315	5.346	7.422	9.33	71.04	69.95	70.86	11.94	8.63	5.762	-1.129	-1.822	-2.207	-0.692	-1.078	-0.38	94.6	1.09	895	0
15	2014	41	330	5.068	7.073	8.53	65.4	64.15	65.04	11.52	7.809	5.341	-1.255	-1.952	-2.336	-0.697	-1.081	-0.38	94.5	0.916	896	0
15	2014	41	345	3.074	4.394	5.557	61.65	59.61	60.61	15.21	9.91	7.024	-1.084	-1.768	-2.165	-0.684	-1.081	-0.4	94	0.748	896	0
15	2014	41	400	3.056	4.193	5.284	54.23	54.21	57.44	16.21	11.06	8.17	-1.076	-1.811	-2.209	-0.735	-1.132	-0.4	94.3	0.852	897	0
15	2014	41	415	3.787	5.433	6.352	54.5	52.2	53.72	14.68	10.09	7.716	-1.328	-2.039	-2.462	-0.711	-1.133	-0.42	93.6	0.818	897	0
15	2014	41	430	3.586	4.96	6.008	59.5	58.8	57.28	13.24	8.92	6.179	-1.342	-2.032	-2.446	-0.691	-1.105	-0.41	93.5	0.962	897	0
15	2014	41	445	3.578	5.036	5.895	61.31	58.73	56.8	14.97	11.72	9.66	-1.232	-1.904	-2.336	-0.672	-1.104	-0.43	93.3	0.881	897	0
15	2014	41	500	3.299	4.619	5.335	47.39	47.24	49.54	13.41	8.9	7.396	-1.43	-2.135	-2.556	-0.705	-1.126	-0.42	93.5	0.778	897	0
15	2014	41	515	3.209	4.435	5.355	66.91	63.35	63.22	12.23	9.88	7.033	-1.457	-2.11	-2.626	-0.653	-1.169	-0.52	92.5	0.74	898	0
15	2014	41	530	3.171	4.593	5.386	64.68	64.05	65.85	12.27	9.03	5.8	-1.492	-2.12	-2.667	-0.628	-1.175	-0.55	92	0.809	898	0
15	2014	41	545	3.335	4.725	5.593	49.06	47.42	49.75	13.36	9.09	6.848	-1.575	-2.182	-2.735	-0.606	-1.159	-0.55	91.7	0.772	898	0
15	2014	41	600	2.923	4.132	4.807	46.17	45.05	46.84	11.98	7.526	6.561	-1.521	-2.157	-2.679	-0.637	-1.159	-0.52	92.7	0.685	898	0
15	2014	41	615	2.518	3.448	3.988	57.69	55.44	59.07	14.91	11.46	9.8	-1.468	-2.053	-2.62	-0.585	-1.152	-0.57	91.4	0.677	898	0
15	2014	41	630	2.86	3.886	4.415	63.26	61.98	63.66	13.62	9.5	7.447	-1.577	-2.145	-2.711	-0.568	-1.134	-0.57	90.8	0.823	898	0
15	2014	41	645	2.722	3.707	4.25	73.29	71.03	70.52	12.53	8.62	4.3	-1.744	-2.296	-2.879	-0.552	-1.134	-0.58	90.7	1.054	898	0
15	2014	41	700	2.182	2.907	3.271	73.14	72.43	74.83	15.64	11.71	6.691	-1.637	-2.174	-2.778	-0.537	-1.141	-0.6	90	2.939	899	0
15	2014	41	715	2.453	3.24	3.529	80.9	77.72	79.64	14.44	10.69	10.13	-1.635	-2.168	-2.76	-0.534	-1.126	-0.59	89.8	9.19	899	0
15	2014	41	730	2.421	3.238	3.631	86.9	86.1	89.2	12.77	9.77	6.991	-1.538	-2.06	-2.669	-0.521	-1.131	-0.61	88.9	18.8	898	0
15	2014	41	745	2.337	3.095	3.314	104.6	100.7	97.2	15.3	9.75	8.43	-1.51	-2.092	-2.665	-0.582	-1.155	-0.57	90	25.08	899	0
15	2014	41	800	2.467	3.227	3.433	100.6	100.3	101	16.7	11.92	8.11	-1.501	-2.148	-2.71	-0.647	-1.209	-0.56	90.9	36.32	899	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	41	815	2.419	3.255	3.43	101.9	100.3	100.8	13.54	8.83	6.138	-1.444	-2.163	-2.731	-0.719	-1.287	-0.57	91.5	52.84	899	0
15	2014	41	830	2.375	3.137	3.357	115.5	113	112.4	13.41	7.971	4.664	-1.273	-2.058	-2.621	-0.785	-1.348	-0.56	91.4	74.1	899	0
15	2014	41	845	2.901	4.003	4.325	119.2	116.5	118.4	12.82	7.834	5.192	-1.166	-1.955	-2.558	-0.789	-1.392	-0.6	90.6	90.3	898	0
15	2014	41	900	2.784	3.759	3.952	124	119.7	117.1	14.02	10.25	7.112	-1.067	-1.825	-2.463	-0.758	-1.396	-0.64	89.4	104.3	898	0
15	2014	41	915	2.827	3.848	3.999	119.2	116.1	118.1	14.21	9.94	8.16	-0.908	-1.687	-2.376	-0.779	-1.468	-0.69	87.1	133.2	898	0
15	2014	41	930	2.519	3.307	3.578	130.1	128.9	129	16.03	12.08	10.55	-0.768	-1.501	-2.207	-0.733	-1.439	-0.71	85.2	129.9	899	0
15	2014	41	945	2.613	3.323	3.704	130	126.8	131.1	18.66	15.5	13.32	-0.827	-1.501	-2.196	-0.674	-1.369	-0.7	84.7	127.6	899	0
15	2014	41	1000	2.267	2.949	3.162	142.7	140	137.3	18.29	13.22	10.67	-0.726	-1.456	-2.131	-0.73	-1.405	-0.68	83.8	161.2	899	0
15	2014	41	1015	2.164	2.802	2.916	138.8	134.1	138.7	16.52	12.87	8.41	-0.522	-1.311	-2.076	-0.789	-1.554	-0.76	82.7	185.7	899	0
15	2014	41	1030	2.196	2.805	2.981	136.2	133.2	132.8	16.97	15.16	10.25	-0.595	-1.292	-1.918	-0.698	-1.323	-0.63	82.4	179.5	899	0
15	2014	41	1045	2.525	3.264	3.376	117.3	114.5	110.5	20.8	16.15	11.07	-0.395	-1.214	-1.908	-0.82	-1.513	-0.69	81.7	191.5	899	0
15	2014	41	1100	2.995	3.879	4.043	112.9	109.5	111	17.5	12.89	9.25	-0.513	-1.34	-2.063	-0.827	-1.55	-0.72	83	195.9	898	0
15	2014	41	1115	2.579	3.343	3.636	126.3	123.4	119	18.21	13.19	12.04	-0.392	-1.264	-2.03	-0.872	-1.638	-0.77	82.2	208.6	898	0
15	2014	41	1130	2.118	2.587	3.063	117.6	116.2	112.5	24.82	17.85	13.93	-0.247	-0.955	-1.714	-0.708	-1.467	-0.76	81.5	233.5	898	0
15	2014	41	1145	2.343	2.931	3.061	118.7	114.1	116.4	25.41	21.56	16.02	-0.132	-0.891	-1.55	-0.759	-1.418	-0.66	79.9	260.1	898	0
15	2014	41	1200	2.26	2.875	2.882	127.3	123.5	127.8	22.4	14.61	13.57	0.263	-0.667	-1.396	-0.93	-1.659	-0.73	76.92	351	897	0
15	2014	41	1215	2.642	3.437	3.562	122.9	121.5	121.2	25.49	22.07	15.52	0.524	-0.387	-1.159	-0.911	-1.683	-0.77	74.8	270.6	897	0
15	2014	41	1230	2.821	3.553	3.558	117	114.1	115.5	15.59	10	8.64	0.493	-0.501	-1.279	-0.994	-1.772	-0.78	75.45	283.9	897	0
15	2014	41	1245	1.784	2.149	2.398	95.1	96.5	97.7	32.4	27.3	18.26	0.183	-0.476	-1.225	-0.659	-1.409	-0.75	76.97	264.8	896	0
15	2014	41	1300	2.532	3.192	3.343	91	92.1	94.4	24.21	20.11	17.7	0.424	-0.373	-1.132	-0.797	-1.556	-0.76	76.75	231.5	896	0
15	2014	41	1315	2.526	3.171	3.283	105.1	100.8	105.9	20.69	17.19	13.38	0.586	-0.202	-0.996	-0.788	-1.583	-0.79	75.27	232.2	896	0
15	2014	41	1330	2.683	3.552	3.91	119	117.4	118.4	18.87	14.43	11.51	0.69	-0.201	-1.001	-0.891	-1.691	-0.8	74.66	219.1	895	0
15	2014	41	1345	2.871	3.712	3.951	120.1	118.2	122.8	14.42	12.18	10.05	0.453	-0.422	-1.249	-0.875	-1.702	-0.83	76.34	220.5	895	0
15	2014	41	1400	2.312	2.996	3.024	134.3	131.2	129.3	18.7	15.04	12	0.422	-0.431	-1.105	-0.853	-1.527	-0.67	76.73	198.9	895	0
15	2014	41	1415	1.574	2.113	2.471	148.9	143.2	135.5	39.84	26.66	18.68	0.681	-0.018	-0.664	-0.699	-1.345	-0.65	75.24	224.6	895	0
15	2014	41	1430	1.913	2.453	2.816	126.7	122.2	120.4	29.98	23.9	15.67	0.735	0.038	-0.654	-0.697	-1.389	-0.69	74.44	205.7	895	0
15	2014	41	1445	2.341	3.15	3.37	116.4	113.8	114.4	19.22	13.82	11.35	0.839	0.041	-0.602	-0.798	-1.441	-0.64	74.48	191.4	894	0
15	2014	41	1500	2.649	3.451	3.683	120	117.2	118.6	21.41	18.53	15.11	0.927	0.114	-0.598	-0.813	-1.525	-0.71	73.7	180	894	0
15	2014	41	1515	2.477	3.28	3.623	119.7	118.5	118.7	23.64	19.02	15.13	0.976	0.235	-0.493	-0.741	-1.469	-0.73	73.21	159.7	894	0
15	2014	41	1530	2.419	3.182	3.572	110.1	108	110.1	24.3	19.25	11.53	0.949	0.247	-0.458	-0.703	-1.408	-0.7	73.26	142.6	894	0
15	2014	41	1545	2.613	3.373	3.567	119	116.6	113.7	17.98	13.91	13.67	0.807	0.172	-0.479	-0.636	-1.286	-0.65	73.65	122.1	894	0
15	2014	41	1600	2.618	3.278	3.512	124.3	121.8	121.9	16.29	13.18	9.67	0.76	0.187	-0.465	-0.573	-1.225	-0.65	73.8	112.6	894	0
15	2014	41	1615	2.106	2.766	2.992	103.8	105.1	108.2	16.14	10.84	7.899	0.765	0.166	-0.484	-0.599	-1.249	-0.65	73.67	93	894	0
15	2014	41	1630	1.691	2.223	2.562	110.1	109.3	110.7	17.35	14.67	10.29	0.785	0.282	-0.312	-0.503	-1.097	-0.59	73.25	78.99	894	0
15	2014	41	1645	2.116	2.713	3.055	92.6	92.1	98.7	22.19	18.67	16.4	0.914	0.437	-0.172	-0.476	-1.085	-0.61	71.19	62.17	894	0
15	2014	41	1700	2.313	3.1	3.357	109.8	108.9	109.6	12.97	9.15	6.43	0.768	0.315	-0.294	-0.453	-1.062	-0.61	71.34	43.64	894	0
15	2014	41	1715	2.5	3.447	3.746	113.1	109.7	109.2	16.46	11.2	10.05	0.645	0.235	-0.371	-0.409	-1.015	-0.61	71.54	28.29	894	0
15	2014	41	1730	2.338	3.285	3.872	109.1	105.9	108.3	14.28	11.22	7.683	0.567	0.204	-0.391	-0.362	-0.957	-0.6	71.77	15.37	894	0
15	2014	41	1745	2.371	3.292	3.717	108	105.9	105.9	13.55	7.771	5.25	0.399	0.122	-0.454	-0.277	-0.853	-0.58	71.99	5.029	895	0
15	2014	41	1800	2.406	3.277	3.744	93.9	92.3	94.2	12.52	8.76	6.175	0.267	0.025	-0.526	-0.242	-0.793	-0.55	72.28	1.317	895	0
15	2014	41	1815	2.531	3.645	4.298	95.7	94.4	93	12.11	7.283	4.812	0.098	-0.082	-0.607	-0.181	-0.706	-0.52	72.64	0.7	895	0
15	2014	41	1830	2.299	3.212	3.946	91.7	90.5	93.4	12.46	9.79	6.855	-0.041	-0.187	-0.689	-0.146	-0.648	-0.5	73.19	0.681	895	0
15	2014	41	1845	2.306	3.215	4.125	98.9	97.6	99.3	11.07	7.758	5.414	-0.186	-0.302	-0.777	-0.115	-0.591	-0.48	73.73	0.665	895	0
15	2014	41	1900	1.961	2.886	3.625	107.2	104.6	105.4	12.82	7.718	5.66	-0.254	-0.36	-0.83	-0.105	-0.576	-0.47	74.18	0.614	895	0
15	2014	41	1915	2.423	3.504	4.129	109.5	107.3	108.4	12.1	7.549	5.073	-0.23	-0.371	-0.869	-0.141	-0.639	-0.5	73.81	0.67	895	0
15	2014	41	1930	2.768	3.83	4.848	109.3	107.8	109.6	12.31	8.07	5.382	-0.294	-0.46	-0.991	-0.166	-0.697	-0.53	73.66	0.818	895	0
15	2014	41	1945	3.171	4.392	5.197	96.4	96.3	97.9	11.54	7.186	3.674	-0.416	-0.613	-1.159	-0.197	-0.743	-0.55	73.52	0.795	895	0
15	2014	41	2000	3.138	4.37	5.238	91.8	91.8	94.8	11.19	7.769	4.887	-0.487	-0.715	-1.28	-0.228	-0.793	-0.56	73.75	0.734	896	0
15	2014	41	2015	3.269	4.545	5.149	93.1	92.4	91.8	12.1	7.167	4.282	-0.574	-0.807	-1.371	-0.232	-0.797	-0.56	74.11	0.717	896	0
15	2014	41	2030	3.064	4.216	4.993	98.6	98.2	100.3	12.8	8.06	4.732	-0.599	-0.845	-1.425	-0.247	-0.826	-0.58	74.25	0.739	896	0
15	2014	41	2045	3.017	4.28	5.103	100.8	99.7	99.4	12.86	7.853	5.59	-0.706	-0.963	-1.548	-0.257	-0.842	-0.58	74.63	0.74	896	0
15	2014	41	2100	3.005	4.168	4.835	107.3	103.7	105.7	12.16	8.13	6.182	-0.763	-1.016	-1.578	-0.253	-0.816	-0.56	74.5	0.725	896	0
15	2014	41	2115	3.218	4.462	5.319	95.7	94	93.4	11.98	7.883	6.145	-0.844	-1.102	-1.688	-0.258	-0.844	-0.59	74.65	0.666	896	0
15	2014	41	2130	3.424	4.795	5.697	93.9	93	95.2	13.09	8.77	6.309	-0.978	-1.243	-1.839	-0.266	-0.861	-0.6	75	0.815	897	0
15	2014	41	2145	3.268	4.643	5.849	95.4	92.1	92	12.72	9.85	5.888	-1.074	-1.335	-1.932	-0.261	-0.857	-0.6	74.83	0.741	897	0
15	2014	41	2200	3.768	5.234	6.203	94.9	93.4	94.1	12.57	8.03	4.34	-1.277	-1.543	-2.149	-0.265	-0.872	-0.61	75.13	0.823	897	0
15	2014	41	2215	3.562	4.985	6.377	92.1	90.4	91.4	12.15	7.826	3.774	-1.44	-1.716	-2.349	-0.276	-0.909	-0.63	75.71	0.843	897	0
15	2014	41	2230	3.795	5.237	6.656	88.1	87.3	88.1	12.24	8.76	5.939	-1.709	-1.995	-2.632	-0.286	-0.922	-0.64	77.1	0.903	897	0
15	2014	41	2245	3.987	5.543	6.419	82.8	80.5	80.6	11.85	8.31	5.218	-1.874	-2.164	-2.783	-0.29	-0.909	-0.62	78.02	0.843	897	0
15	2014	41	2300	4.018	5.561	6.429	77.64	76.33	77.7	11.92	8.26	5.26	-1.955	-2.244	-2.867	-0.289	-0.912	-0.62	78.34	0.813	897	0
15	2014	41	2315	4.113	5.676	6.783	76.75	74.78	75.23	11.7	8.35	4.572	-2.044	-2.338	-2.975	-0.294	-0.931	-0.64	78.54	0.911	897	0
15	2014	41	2330	4.016	5.488	6.564	72.02	69.26	70.12	11.6	7.979	4.967	-2.189	-2.475	-3.11	-0.286	-0.921	-0.64	78.89	0.892	898	0
15	2014	41	2345	3.743	5.266	6.304	62.6	62.05	62.81	12.92	8.5	6.105	-2.25	-2.533	-3.172	-0.283	-0.922	-0.64	79.07	0.863	898	0
15	2014	41	2400	3.585	4.967	5.933	67.61	63.58	64.42	11.69	7.926	5.185	-2.343	-2.629	-3.264	-0.286	-0.921	-0.64	78.85	0.783	898	0
15	2014	42	15	3.02	4.156	5.001	72.47	69.84	70.87	14.5	11.32	9.6	-2.402	-2.69	-3.329	-0.288	-0.927	-0.64	79.04	0.701	898	0
15	2014	42	30	3.5	4.711	5.545	77.73	76.7	75.71	12.09	8.68	6.03	-2.615	-2.92	-3.559	-0.305	-0.944	-0.64	80.3	0.719	898	0
15	2014	42	45	3.197	4.429	5.203	74.56	73.86	72.86	13.48	9.99	8.45	-2.607	-2.911	-3.549	-0.304	-0.942	-0.64	79.76	0.735	898	0
15	2014	42	100	3.58	4.943	5.731	69.1	68.03	71.99	10.92	6.903	6.253	-2.739	-3.046	-3.692	-0.307	-0.953	-0.65	80.2	0.835	898	0
15	2014	42	115	3.366	4.616	5.34	86.9	85.4	84.4	13.2	8.99	5.584	-2.868	-3.18	-3.829	-0.312	-0.961	-0.65	80.7	0.741	898	0
15	2014	42	130	3.126	4.266	5.2	81.6	79.12	79.63	11.18	8.23	4.605	-2.865	-3.167	-3.811	-0.302	-0.946	-0.64	80.3	0.776	898	0
15	2014	42	145	3.167	4.389	5.306	82	81.3	80.8	12.85	9.07	6.019	-2.905	-3.204	-3.862	-0.299	-0.957	-0.66	80	0.751	898	0
15	2014	42	200	3.618	4.872	5.876	75.9	73.92	73.77	12.99	9.05	7.81	-2.943	-3.262	-3.92	-0.318	-0.976	-0.66	81.5	0.844	898	0
15	2014	42	215	3.374	4.584	5.585	76.04	74.8	74.76	11.83	8.27	6.371	-3.058	-3.383	-4.048	-0.325	-0.991	-0.66	83	0.725	898	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	42	245	2.693	3.802	4.911	72.94	71.98	73.2	13.85	12.03	9.27	-3.037	-3.362	-4.037	-0.325	-1	-0.68	83.6	0.79	898	0
15	2014	42	300	1.949	2.627	2.965	91.3	88.7	92.2	14.64	11.64	8.41	-3.025	-3.34	-3.979	-0.315	-0.954	-0.64	82.7	0.596	898	0
15	2014	42	315	2.479	3.463	3.914	87.7	86.6	88	12.61	8.49	6.926	-2.996	-3.327	-3.985	-0.331	-0.989	-0.66	82	0.656	898	0
15	2014	42	330	1.87	2.718	3.194	65.19	67.62	68.22	26.38	21.79	15.4	-2.914	-3.232	-3.888	-0.318	-0.974	-0.66	81.2	0.606	898	0
15	2014	42	345	1.161	1.595	1.805	53.49	58.94	60.55	24.81	20.19	17.62	-2.9	-3.214	-3.856	-0.315	-0.956	-0.64	80.6	0.48	898	0
15	2014	42	400	0.976	1.153	1.245	66.87	65.02	59.4	14.54	13.65	14.84	-2.972	-3.278	-3.882	-0.306	-0.91	-0.6	80.8	0.475	899	0
15	2014	42	415	0.544	0.616	0.726	109.9	90.3	79.93	68.44	29.94	33.91	-2.973	-3.247	-3.85	-0.274	-0.877	-0.6	80.4	0.339	899	0
15	2014	42	430	0.9	1.152	1.241	36.37	40.18	53.99	27.05	19.44	21.44	-2.903	-3.192	-3.782	-0.289	-0.879	-0.59	79.8	0.438	899	0
15	2014	42	445	1.059	1.363	1.524	18.77	15.63	15.03	20.01	12.93	16.18	-2.854	-3.159	-3.776	-0.305	-0.922	-0.62	81	0.437	899	0
15	2014	42	500	1.046	1.21	1.423	323.5	323.7	338.1	18.81	16.39	15.88	-2.725	-3.098	-3.736	-0.373	-1.011	-0.64	80.9	0.481	899	0
15	2014	42	515	1.097	1.465	1.869	358.5	358.1	2.106	21.78	17.79	9.59	-2.711	-3.022	-3.632	-0.311	-0.921	-0.61	80.9	0.427	899	0
15	2014	42	530	1.516	1.944	2.069	358.1	2.475	5.396	17.14	13.04	10.64	-2.689	-2.988	-3.603	-0.299	-0.914	-0.62	80.2	0.475	899	0
15	2014	42	545	1.563	2.117	2.471	351.7	353	357.7	15.17	10.76	8.49	-2.687	-2.997	-3.618	-0.311	-0.931	-0.62	80.2	0.572	899	0
15	2014	42	600	1.679	2.424	2.596	355.7	354.6	358.1	17.11	12.99	10.33	-2.662	-2.985	-3.589	-0.323	-0.927	-0.6	80.2	0.594	899	0
15	2014	42	615	1.696	2.337	2.706	6.681	9.65	9.98	16.31	11.87	6.536	-2.618	-2.919	-3.538	-0.3	-0.92	-0.62	80.5	0.593	899	0
15	2014	42	630	1.752	2.469	2.77	9.29	8.74	7.382	16.52	12.53	9.71	-2.584	-2.884	-3.494	-0.3	-0.91	-0.61	80.9	0.577	899	0
15	2014	42	645	2.038	3.028	3.304	6.755	8.11	9.52	16.01	10.35	8.02	-2.632	-2.947	-3.562	-0.315	-0.929	-0.62	81.3	1.079	899	0
15	2014	42	700	2.2	3.068	3.314	10.19	10.91	11.85	14.05	8.36	4.73	-2.658	-2.978	-3.599	-0.32	-0.941	-0.62	82.2	4.662	899	0
15	2014	42	715	2.03	2.914	3.094	2.547	4.171	6.657	15.6	9.38	7.96	-2.647	-3.017	-3.641	-0.37	-0.994	-0.62	83.4	13.48	900	0
15	2014	42	730	1.961	2.727	3.063	7.531	7.201	6.658	18.37	13.64	6.519	-2.631	-3.051	-3.692	-0.42	-1.061	-0.64	84.9	22.39	900	0
15	2014	42	745	1.711	2.409	2.769	11.76	11.53	11.62	16.43	12.33	8.39	-2.543	-2.994	-3.679	-0.451	-1.136	-0.68	85.8	27.39	900	0
15	2014	42	800	1.83	2.446	2.581	6.711	6.222	11.03	19.85	15.27	11.47	-2.546	-2.998	-3.626	-0.452	-1.08	-0.63	86.2	30.73	900	0
15	2014	42	815	1.868	2.47	2.774	14.68	18.04	20.88	16.22	10.22	6.22	-2.538	-2.963	-3.625	-0.425	-1.087	-0.66	86.4	23.87	900	0
15	2014	42	830	1.788	2.422	2.6	42.82	40.59	40.49	19.62	14.44	10.85	-2.382	-2.899	-3.552	-0.517	-1.17	-0.65	85.5	61.03	900	0
15	2014	42	845	1.188	1.648	1.913	34.37	29.81	32.26	26.79	18.88	18.51	-2.319	-2.754	-3.435	-0.435	-1.117	-0.68	84.8	66.26	901	0
15	2014	42	900	1.342	1.778	2	30.33	30.86	29.34	22.3	15.44	10.12	-2.166	-2.635	-3.299	-0.469	-1.133	-0.66	83.1	46.53	901	0
15	2014	42	915	1.465	1.886	2.101	17.47	17.96	21.12	15.27	10.82	9.4	-2.009	-2.495	-3.129	-0.486	-1.12	-0.63	82.3	92.5	901	0
15	2014	42	930	0.934	1.164	1.291	350.5	12.2	15.87	67.46	47.95	25.06	-1.755	-2.207	-2.845	-0.453	-1.09	-0.64	80.7	140.2	901	0
15	2014	42	945	0.865	1.062	1.305	352.8	353.3	350.3	46.76	28.88	25.25	-1.451	-1.87	-2.572	-0.419	-1.121	-0.7	78.65	154.2	901	0
15	2014	42	1000	0.815	0.912	1.094	62.16	37.17	5.688	84.8	82.9	56.17	-1.401	-1.715	-2.332	-0.314	-0.931	-0.62	77.91	184.9	901	0
15	2014	42	1015	1.134	1.302	1.617	325.7	325.8	335	42.59	28.24	19.6	-1.014	-1.357	-2.015	-0.343	-1.001	-0.66	75.29	213.2	901	0
15	2014	42	1030	1.3	1.485	1.54	289.2	292.8	302.6	37.21	32.3	23.76	-0.828	-1.213	-1.766	-0.385	-0.938	-0.55	74.41	158.6	901	0
15	2014	42	1045	1.572	2.065	2.458	290.9	296.3	315.5	40.79	33.05	26.05	-0.552	-0.932	-1.518	-0.38	-0.966	-0.59	73.99	140.6	901	0
15	2014	42	1100	2.555	3.296	4.014	347.7	344.1	342.6	20.29	22.31	17.17	0.141	-0.49	-1.259	-0.631	-1.4	-0.77	68.52	198.7	901	0
15	2014	42	1115	2.755	3.865	4.558	0.223	0.645	358.9	19.32	16.01	13.38	0.307	-0.398	-1.195	-0.704	-1.501	-0.8	65.68	193.6	900	0
15	2014	42	1130	2.656	3.54	4.076	19.38	17.08	13.53	15.93	12.13	9.55	0.094	-0.56	-1.289	-0.654	-1.383	-0.73	65.85	171.9	900	0
15	2014	42	1145	2.264	3.057	3.351	17.01	14.9	12.3	18.64	14.9	10.87	0.123	-0.494	-1.202	-0.617	-1.325	-0.71	66.35	182.4	900	0
15	2014	42	1200	1.731	2.193	2.497	357.1	0.602	2.395	32.95	20.5	14.74	0.159	-0.471	-1.124	-0.63	-1.283	-0.65	65.69	220.7	899	0
15	2014	42	1215	1.448	1.791	1.987	347.6	355.1	2.944	38.08	32.47	28.18	0.234	-0.315	-0.945	-0.549	-1.18	-0.63	65.65	216	899	0
15	2014	42	1230	1.455	1.46	1.621	298.7	306.7	307.2	36.39	30.95	17.06	0.271	-0.115	-0.7	-0.387	-0.971	-0.58	65.31	213.3	899	0
15	2014	42	1245	2.455	2.884	3.071	324.6	321.5	324.9	29.19	24.64	17.29	0.74	0.108	-0.559	-0.633	-1.299	-0.67	62.6	241.2	899	0
15	2014	42	1300	1.885	2.302	2.57	308.7	309.5	313.6	32.29	27.55	22.89	0.93	0.343	-0.341	-0.586	-1.271	-0.68	62.31	275.6	899	0
15	2014	42	1315	2.192	2.578	2.737	326.1	325.5	324	30.89	29.13	25.64	1.165	0.557	-0.21	-0.608	-1.375	-0.77	60.81	284.8	898	0
15	2014	42	1330	1.905	2.114	2.315	290.1	295.2	306.4	22.72	26.43	25.22	1.333	0.817	-0.018	-0.516	-1.351	-0.84	60.83	297.9	898	0
15	2014	42	1345	2.007	2.393	2.341	343.1	343.3	335	53.61	41.36	51.73	1.249	0.589	-0.084	-0.661	-1.333	-0.67	60.81	320.3	897	0
15	2014	42	1400	1.84	2.065	2.101	307.9	307.1	292.9	41.02	38.44	39.2	1.4	0.85	0.232	-0.55	-1.168	-0.62	60.51	294.2	897	0
15	2014	42	1415	1.86	2.326	2.596	312.3	314.1	312	43.85	39.74	33.16	1.538	0.872	0.226	-0.666	-1.312	-0.65	60.51	319.6	897	0
15	2014	42	1430	1.976	2.358	2.45	295.4	298	304.1	35.12	27.48	24.61	1.828	1.136	0.521	-0.692	-1.307	-0.62	59.57	324.8	897	0
15	2014	42	1445	1.289	1.548	1.553	288.6	289.9	293.7	45.54	36.02	24.24	1.736	1.245	0.799	-0.491	-0.937	-0.45	59.49	324.5	897	0
15	2014	42	1500	1.707	1.992	2.122	259	259.4	274.8	28.75	25.66	25.08	2.051	1.573	0.939	-0.478	-1.113	-0.63	58.41	334.5	897	0
15	2014	42	1515	1.956	2.174	2.466	299.5	296.2	302.2	24.11	19.86	22.22	2.438	1.927	1.274	-0.51	-1.163	-0.65	57.25	320	897	0
15	2014	42	1530	1.943	2.225	2.486	306.4	304.8	306.4	27.23	26.47	26.87	2.753	2.202	1.555	-0.55	-1.198	-0.65	56.41	359	897	0
15	2014	42	1545	1.762	2.053	2.146	299.5	302.4	308.9	42.08	32.99	29	2.967	2.508	1.849	-0.46	-1.118	-0.66	55.77	370.9	897	0
15	2014	42	1600	2.085	2.365	2.548	301.6	305.4	312.1	20.98	17.41	14.27	2.858	2.399	1.858	-0.459	-1	-0.54	56.03	298.1	897	0
15	2014	42	1615	1.309	1.504	1.678	285.8	279.5	271.9	49.91	39.22	29.77	2.651	2.363	1.891	-0.288	-0.76	-0.47	56.96	287	897	0
15	2014	42	1630	1.544	1.869	2.098	253.1	244.1	248.8	45.52	35.55	32.54	2.824	2.36	1.836	-0.464	-0.988	-0.52	56.59	238.9	897	0
15	2014	42	1645	1.908	2.436	2.693	214.8	210.2	209.3	19.58	20.42	14.21	3.023	2.448	1.774	-0.575	-1.249	-0.67	55.83	207.8	896	0
15	2014	42	1700	2.024	2.683	3.005	194.5	192.8	196.6	21.42	16.81	11.24	2.592	2.173	1.614	-0.419	-0.978	-0.56	56.93	105.7	896	0
15	2014	42	1715	1.594	2.186	2.333	209.6	206.3	202.6	13.54	9.59	7.778	2.093	1.978	1.528	-0.115	-0.565	-0.45	58.76	44.16	896	0
15	2014	42	1730	1.82	2.751	3.331	210.7	209	209.7	9.2	7.159	4.457	1.752	1.816	1.442	0.063	-0.31	-0.37	60.1	26.76	896	0
15	2014	42	1745	1.663	2.8	3.537	194.4	195.4	199.6	12.16	8.53	6.037	0.955	1.398	1.178	0.443	0.223	-0.22	62.86	7.377	896	0
15	2014	42	1800	1.679	2.998	4.659	193.3	192.5	193.4	11.91	6.898	3.551	0.18	0.601	0.478	0.421	0.298	-0.12	66.44	1.003	896	0
15	2014	42	1815	1.806	3.226	5.213	185.4	184.1	187.7	11.31	6.591	3.613	-0.478	-0.045	0.003	0.433	0.481	0.05	69.86	0.65	896	0
15	2014	42	1830	1.643	3.055	5.193	182.8	184.4	187.8	14.23	8.89	4.545	-1.024	-0.525	-0.438	0.5	0.586	0.09	72.57	0.542	896	0
15	2014	42	1845	1.621	2.992	5.116	187.4	185.2	187.5	12.63	8.51	5.046	-1.511	-1.099	-1.036	0.412	0.474	0.06	75.08	0.642	896	0
15	2014	42	1900	1.439	2.679	4.552	175.8	179.3	187	14.57	8.15	4.121	-1.96	-1.39	-1.371	0.57	0.589	0.02	77.28	0.582	896	0
15	2014	42	1915	1.385	2.792	5.038	177	174.2	184.1	8.67	4.731	2.351	-2.399	-1.734	-1.509	0.664	0.889	0.22	79.63	0.528	896	0
15	2014	42	1930	1.151	2.498	4.952	165.4	165.8	181.3	15.56	8.74	3.368	-2.727	-2.079	-1.695	0.648	1.032	0.38	81.6	0.574	896	0
15	2014	42	1945	1.049	2.408	4.929	163.4	161	179.9	19.9	7.868	2.55	-2.926	-2.204	-1.724	0.722	1.202	0.48	83.1	0.576	897	0
15	2014	42	2000	0.786	2.057	4.661	155.5	160.5	180.4	23.19	7.905	2.685	-3.142	-2.234	-1.694	0.908	1.448	0.54	83.8	0.621	897	0
15	2014	42	2015	0.545	2.261	5.123	132.9	150.9	181.5	29.6	6.53	2.455	-3.674	-2.422	-1.264	1.252	2.41	1.16	85.9	0.559	897	0
15	2014	42	2030	0.476	2.385	4.678	98.2	135.9	180.4	42.71	4.706	2.247	-3.624	-2.58	-1.121	1.044	2.503	1.46	86.4	0.662	897	0
15	2014	42	2045	0.827	2.585	4.419	125.2	133.7	179.7	13.3	4.824	2.868	-3.446	-2.329	-0.845	1.117	2.601	1.48	87.5	0.682	897	0
15	2014	42	2100	1.466	3.341	4.545	137.5	137.9	182.3	9.04	4.125	4.498	-3.358	-2.244	-0.578	1.114	2.78	1.67	87.3	0.854	897	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	42	2115	1.549	3.353	4.528	137.2	140.8	186.9	12.31	5.137	2.589	-3.15	-2.251	-0.336	0.899	2.814	1.92	87	0.673	897	0
15	2014	42	2130	0.657	2.186	4.223	136	131.7	183.4	57.27	11.49	3.443	-3.249	-2.538	-0.821	0.712	2.428	1.72	86.7	0.68	897	0
15	2014	42	2145	0.658	2.363	4.977	160.6	153.2	184.2	21.13	5.584	3.147	-3.515	-2.47	-1.297	1.045	2.217	1.17	87.7	0.549	897	0
15	2014	42	2200	0.897	2.631	5.216	171.2	161.3	193.9	17.4	5.81	3.59	-3.577	-2.665	-0.851	0.912	2.726	1.81	88.6	0.657	897	0
15	2014	42	2215	0.602	2.16	4.039	105.1	132.6	184.7	24.26	11.45	6.093	-3.581	-2.842	-1.136	0.739	2.445	1.71	89.3	0.606	897	0
15	2014	42	2230	0.62	2.017	4.122	118.4	134.3	179	47.89	12.63	6.364	-3.645	-2.82	-1.232	0.825	2.414	1.59	89.3	0.618	897	0
15	2014	42	2245	0.683	2.189	4.536	108.5	138.2	171.7	54.2	11.26	3.58	-3.732	-2.588	-1.702	1.144	2.031	0.89	89.9	0.707	896	0
15	2014	42	2300	0.828	2.282	5.117	186.2	157.8	178	28.35	6.566	2.975	-3.738	-2.892	-1.846	0.846	1.892	1.05	90.3	0.786	896	0
15	2014	42	2315	0.57	1.8	5.048	168	156.7	183.2	46.28	7.466	3.79	-3.839	-3.232	-1.915	0.607	1.924	1.32	90.7	0.637	896	0
15	2014	42	2330	1.072	2.706	5.353	129.8	147.7	184.5	19.17	5.624	3.689	-4.237	-3.124	-1.449	1.113	2.788	1.68	91.7	0.635	896	0
15	2014	42	2345	1.516	3.181	5.554	148.5	152.2	181.4	14.6	6.772	3.887	-3.331	-2.613	-1.29	0.718	2.041	1.32	90.7	0.87	896	0
15	2014	42	2400	1.146	1.913	4.979	185.5	162.7	185.8	74.82	31.22	7.616	-3.185	-2.474	-1.393	0.711	1.792	1.08	89	0.767	896	0
15	2014	43	15	1.083	2.536	5.305	133	156.4	187	32.95	16.08	4.246	-3.944	-2.75	-1.609	1.194	2.335	1.14	90.2	0.619	896	0
15	2014	43	30	0.558	2.124	5.347	188.7	154	185.1	37.32	5.047	1.482	-4.135	-3.149	-1.666	0.985	2.468	1.48	92.2	0.668	896	0
15	2014	43	45	0.651	2.244	4.967	166.4	160	183.5	34.04	5.534	2.551	-4.122	-3.143	-2.116	0.979	2.006	1.03	91.8	0.66	896	0
15	2014	43	100	0.999	2.531	5.115	179	169.7	184	26.23	5.899	1.71	-4.367	-3.092	-2.278	1.276	2.089	0.81	92.4	0.705	895	0
15	2014	43	115	0.695	2.575	4.947	148.2	161.8	182.3	11.72	2.917	2.284	-4.553	-3.136	-2.361	1.416	2.192	0.78	93.4	0.561	895	0
15	2014	43	130	1.068	2.677	5.419	193.5	175.9	186.2	13.75	5.5	2.145	-4.681	-3.251	-2.436	1.43	2.244	0.82	93.4	0.711	895	0
15	2014	43	145	0.77	2.411	5.778	173.9	177.6	187.6	16.84	3.621	1.265	-4.61	-3.483	-2.388	1.127	2.222	1.1	94	0.84	895	0
15	2014	43	200	0.737	1.784	5.146	141.2	167.3	186.1	78.08	14.15	2.355	-4.796	-3.621	-2.647	1.175	2.149	0.97	93.4	0.576	895	0
15	2014	43	215	1.203	1.251	3.56	46.37	122.8	174.9	7.822	8.02	3.309	-5.503	-3.496	-2.919	2.007	2.584	0.58	94.3	0.489	896	0
15	2014	43	230	1.053	1.143	2.956	45.63	114.2	174.6	16.08	23.3	5.57	-5.471	-3.284	-2.773	2.187	2.698	0.51	94.8	0.42	895	0
15	2014	43	245	0.742	1.498	3.666	103.5	149.9	181.3	27.69	9.23	3.19	-5.762	-3.11	-2.515	2.653	3.248	0.6	94.4	0.554	895	0
15	2014	43	300	0.882	2.197	3.514	103.8	144.2	176.4	51.24	20.55	11.01	-5.612	-2.84	-2.415	2.772	3.197	0.42	94.3	0.488	895	0
15	2014	43	315	0.638	1.271	3.007	355.4	147	187.8	48.98	17.92	8.24	-5.177	-2.844	-2.258	2.333	2.919	0.59	94	0.612	896	0
15	2014	43	330	1.164	1.576	1.801	41.45	97	174.6	23.29	21.94	12.09	-5.858	-2.871	-2.326	2.987	3.533	0.54	93.8	0.383	896	0
15	2014	43	345	1.215	1.571	1.119	40.49	72.24	180.7	16.14	8.96	18.97	-6.027	-2.848	-2.338	3.179	3.69	0.51	94.3	0.374	896	0
15	2014	43	400	1.255	1.776	0.608	31.88	54.59	167.9	9.62	11.71	35.69	-5.929	-2.76	-2.302	3.168	3.627	0.46	94.9	0.42	896	0
15	2014	43	415	1.149	1.751	0.838	41.35	43.56	284.2	11.4	5.303	63.85	-5.97	-2.746	-2.111	3.225	3.86	0.64	94.5	0.309	896	0
15	2014	43	430	0.877	1.522	1.484	16.15	31.99	299.7	31.19	13.09	24.69	-5.761	-3.181	-2.01	2.58	3.751	1.17	93.8	0.449	896	0
15	2014	43	445	1.333	2.674	2.243	38.5	17.44	343.4	7.913	4.956	10	-6	-2.554	-2.053	3.446	3.946	0.5	93.9	0.487	897	0
15	2014	43	500	1.009	2.447	2.158	43.66	41.8	345.9	12.37	5.513	7.075	-5.668	-3.783	-1.874	1.886	3.794	1.91	94	0.429	897	0
15	2014	43	515	0.81	2.571	2.247	33.17	44.07	340.9	24.6	8.98	12.02	-6.087	-3.902	-1.587	2.185	4.499	2.32	93.9	0.376	897	0
15	2014	43	530	0.601	2.098	1.457	35.35	62.2	318.7	63.84	13.18	25.2	-5.808	-3.544	-1.608	2.264	4.2	1.94	94.1	0.372	897	0
15	2014	43	545	1.166	2.572	1.883	36.6	47.92	338.1	30.84	10.1	18.2	-6.013	-3.473	-1.649	2.54	4.363	1.82	93.8	0.468	897	0
15	2014	43	600	1.498	3.387	2.545	38.55	42.37	357.2	13.85	8.74	15.24	-5.406	-2.888	-1.492	2.518	3.914	1.4	93.8	0.591	897	0
15	2014	43	615	1.214	3.185	3.727	32.03	26.3	2.671	11.65	3.858	8.48	-5.72	-3.891	-1.494	1.829	4.226	2.4	93.3	0.462	897	0
15	2014	43	630	0.96	2.785	5.02	29.42	23.84	7.172	24.55	6.464	5.511	-5.362	-4.451	-1.571	0.911	3.791	2.88	93.7	0.861	898	0
15	2014	43	645	0.844	2.382	4.066	46.66	18.5	343.7	19.84	5.466	7.479	-5.566	-4.723	-1.395	0.843	4.171	3.33	92.9	3.856	898	0
15	2014	43	700	1.058	3.008	3.94	27.34	19.64	331.5	10.81	4.142	6.675	-5.609	-4.432	-1.242	1.177	4.367	3.19	94.3	38.03	898	0
15	2014	43	715	0.585	1.729	3.434	64.6	29.2	319.4	25.26	8.4	2.994	-4.99	-4.52	-1.119	0.47	3.871	3.4	93.7	117.7	898	0
15	2014	43	730	1.274	2.517	3.347	35.88	31.45	337	13.11	5.461	7.823	-3.36	-3.365	-1.169	-0.005	2.192	2.2	93.9	176.1	899	0
15	2014	43	745	1.023	1.643	3.113	35.97	24.91	332.4	20.55	11.34	9.44	-1.711	-2.083	-0.828	-0.372	0.883	1.26	90.1	177.6	899	0
15	2014	43	800	0.718	0.865	2.159	11.29	11.09	329.7	41.68	31.47	8.88	-0.633	-1.035	-0.837	-0.401	-0.203	0.2	86.2	279.4	899	0
15	2014	43	815	1.368	1.501	1.996	322.4	320.8	319.7	19.77	20.19	11.57	0.553	0.298	-0.215	-0.256	-0.768	-0.51	81.3	356.6	899	0
15	2014	43	830	1.991	2.085	2.403	312	313.4	320	14.64	10.24	11.33	1.276	0.954	0.377	-0.322	-0.899	-0.58	79.31	448.5	900	0
15	2014	43	845	2.388	2.838	3.193	321.7	319.5	322.5	14.13	12	9	2.052	1.608	0.977	-0.445	-1.075	-0.63	75.47	448.7	900	0
15	2014	43	900	2.718	3.53	3.608	323	322.2	329.7	12.64	9.1	11.07	2.844	2.179	1.557	-0.666	-1.287	-0.62	70.75	443.2	900	0
15	2014	43	915	2.388	3.083	3.105	327.7	329	337.1	17.18	14.68	10.91	3.497	2.813	2.164	-0.684	-1.333	-0.65	66.36	500.3	900	0
15	2014	43	930	2.245	2.686	2.683	341.1	342.7	346.3	18.58	18.13	13.78	4.538	3.816	3.108	-0.722	-1.43	-0.71	61.14	528.2	900	0
15	2014	43	945	2.437	3.072	3.354	348.1	347.9	354.7	21.91	18.44	17.76	6.029	5.183	4.462	-0.845	-1.567	-0.72	56.32	566.3	900	0
15	2014	43	1000	2.636	3.46	3.658	8.91	11.1	14.13	20.72	14.65	13.43	7.796	6.813	6.09	-0.982	-1.706	-0.72	47.61	605	901	0
15	2014	43	1015	3.131	4.351	5.192	11.59	12.67	18.91	22.91	16.37	13.27	9.82	8.81	8.05	-1.017	-1.775	-0.76	38.94	631.4	901	0
15	2014	43	1030	3.526	4.687	5.299	19.74	19.76	20.29	18.54	12.89	11.58	10.86	9.86	9.16	-1	-1.702	-0.7	32.93	678	900	0
15	2014	43	1045	3.193	4.422	5.128	24.35	25.11	27.9	20.49	15.14	13.78	12.15	11.01	10.13	-1.141	-2.015	-0.88	29.13	703.2	900	0
15	2014	43	1100	3.694	4.791	5.632	52.32	48.94	47.53	20.59	15.51	13.05	12.53	11.51	10.69	-1.026	-1.84	-0.82	26.27	740.3	900	0
15	2014	43	1115	3.568	4.871	5.413	35.2	34.07	32.31	17.32	12.11	8.91	12.97	11.65	10.84	-1.325	-2.132	-0.81	25.03	765.1	900	0
15	2014	43	1130	2.932	3.791	4.269	46.07	45.92	46.53	23.47	16.32	13.89	12.91	11.72	10.99	-1.19	-1.914	-0.73	24.58	780.7	900	0
15	2014	43	1145	2.901	3.82	4.321	40.95	42.53	43.85	22.15	15.48	11.33	13.29	12.07	11.36	-1.223	-1.924	-0.71	23.16	799.2	900	0
15	2014	43	1200	2.684	3.44	4.05	50.55	48.6	49.81	34.74	30.27	23.23	13.62	12.57	11.75	-1.058	-1.872	-0.82	22.21	807	899	0
15	2014	43	1215	2.329	2.982	3.373	60.54	59.78	50.23	33.19	29.4	20.95	13.85	12.79	12.02	-1.063	-1.825	-0.77	21.08	812	899	0
15	2014	43	1230	2.494	3.209	3.671	50.02	49.96	50.31	31.08	25.28	22.2	14.28	13.08	12.25	-1.206	-2.037	-0.83	18.98	813	899	0
15	2014	43	1245	2.129	2.645	2.858	18.33	19.78	22.17	51.06	43.59	31.13	14.02	13.19	12.45	-0.83	-1.567	-0.74	19.15	810	899	0
15	2014	43	1300	1.605	1.907	2.434	20.77	18.14	357.1	59.59	50.69	40.23	14.09	13.25	12.67	-0.843	-1.413	-0.58	18.74	804	898	0
15	2014	43	1315	2.322	2.892	3.214	5.779	5.005	12.84	36.01	31.33	26.14	14.83	13.77	13	-1.053	-1.827	-0.77	17.91	787	898	0
15	2014	43	1330	1.429	1.863	2.145	25.76	24.33	18.61	66.57	50.24	39.98	14.59	13.94	13.21	-0.647	-1.382	-0.73	17.41	772.1	897	0
15	2014	43	1345	1.412	1.544	1.81	20.35	35.68	54.4	51.33	45.03	40.47	14.51	13.75	13.07	-0.766	-1.438	-0.68	16.66	749.5	897	0
15	2014	43	1400	1.416	1.538	1.435	64.13	72.1	110.2	79.91	65.74	75.09	14.59	13.93	13.5	-0.654	-1.086	-0.43	16.33	724.9	897	0
15	2014	43	1415	1.544	1.904	2.158	236.2	234.1	223.4	55.06	47.22	28.7	14.99	14.35	13.64	-0.643	-1.347	-0.71	15.85	696.6	896	0
15	2014	43	1430	1.772	2.218	2.337	218.4	214	217.8	51.91	48.55	30.82	15.16	14.41	13.73	-0.757	-1.433	-0.68	16.17	660.1	896	0
15	2014	43	1445	1.745	2.233	2.366	237.8	236.7	230.6	33.6	35.67	39.15	15.12	14.45	13.83	-0.668	-1.292	-0.62	16.28	619.8	896	0
15	2014	43	1500	2.35	3.162	3.448	256.8	252.6	246.7	21.4	21.54	18.61	15.56	14.56	13.89	-0.996	-1.663	-0.67	15.66	574.6	896	0
15	2014	43	1515	2.357	2.996	3.335	245.2	241.5	236.4	23.21	17.88	13.89	15.55	14.67	13.9	-0.882	-1.645	-0.77	15.75	529.8	896	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	43	1545	2.41	3.069	3.34	200.7	198.6	203.9	36.24	32.52	23.82	15.7	14.88	14.14	-0.822	-1.557	-0.74	16.8	435	895	0
15	2014	43	1600	1.72	2.108	2.269	209.2	208.6	205.8	35.86	36.32	32.11	15.24	14.74	14.13	-0.499	-1.11	-0.61	17.74	357.7	895	0
15	2014	43	1615	1.55	1.878	2.269	206.7	205	214.5	66.77	42.32	21.93	15.07	14.69	14.16	-0.388	-0.916	-0.53	18.09	295.9	895	0
15	2014	43	1630	1.936	2.585	2.936	233.1	233.9	231.7	36.98	35.1	29.42	15.34	14.81	14.24	-0.526	-1.095	-0.57	18.1	255.9	895	0
15	2014	43	1645	2.548	3.582	3.987	239.2	238.7	235.8	16.57	14.62	14.92	14.84	14.55	14.11	-0.291	-0.732	-0.44	18.36	153	895	0
15	2014	43	1700	2.026	2.896	3.53	246.3	245.8	247.1	14.32	13.74	11.13	14.34	14.27	13.89	-0.063	-0.451	-0.38	18.56	99.5	895	0
15	2014	43	1715	1.779	2.939	4.011	257.4	256	254.9	9.77	6.049	4.002	13.65	13.88	13.68	0.231	0.033	-0.2	19.29	60.57	895	0
15	2014	43	1730	1.514	2.594	3.935	239.2	239	235.5	18.69	13.93	10.14	12.77	13.45	13.51	0.681	0.742	0.06	20.85	30.26	895	0
15	2014	43	1745	1.15	2.713	5.301	197.9	207.1	215.4	8.84	4.796	4.424	11.26	12.67	13.4	1.415	2.143	0.73	23.17	6.312	895	0
15	2014	43	1800	1.119	2.856	5.981	180.3	195.7	206.9	12.17	4.32	2.024	10.2	12.09	13.16	1.886	2.961	1.07	25.52	2.625	895	0
15	2014	43	1815	0.706	2.11	5.187	134.7	180.9	198.1	10.16	9.2	3.342	8.87	11.24	12.75	2.368	3.879	1.51	28.18	0.448	895	0
15	2014	43	1830	0.989	3.473	6.234	148.4	167.6	192.6	43.83	3.804	2.647	7.193	11	12.93	3.803	5.74	1.93	32.44	0.572	895	0
15	2014	43	1845	0.381	2.475	6.457	150.8	151.7	189.3	75.93	9.52	1.21	7.184	9.27	12.69	2.091	5.502	3.42	34.11	0.582	895	0
15	2014	43	1900	1.559	3.95	6.922	134	148	189.6	15.14	5.548	2.603	7.233	9.62	12.21	2.391	4.98	2.59	35.14	0.951	895	0
15	2014	43	1915	1.717	3.804	6.939	134.5	142.9	183.9	8.11	4.323	4.694	7.564	9.28	12.06	1.715	4.501	2.78	33.96	0.953	895	0
15	2014	43	1930	2.003	4.141	7.85	138.5	144.7	180.3	9.06	5.323	1.734	7.46	9	12.05	1.538	4.585	3.05	34.06	0.931	895	0
15	2014	43	1945	2.147	4.399	8.53	140.1	147.6	178.9	8.67	3.702	0.907	7.219	8.77	12.07	1.547	4.85	3.3	34.07	0.926	895	0
15	2014	43	2000	2.184	4.387	8.69	143.5	149.7	178.2	9.61	4.392	1.471	7.109	8.62	11.98	1.512	4.87	3.36	33.71	0.925	895	0
15	2014	43	2015	1.98	4.175	8.73	147.6	153	177.8	9.8	4.671	1.607	7.327	8.81	11.86	1.481	4.532	3.05	32.56	0.872	895	0
15	2014	43	2030	1.997	4.222	9	156.6	158.9	179.7	10.02	4.507	1.006	7.689	9.15	12.35	1.463	4.664	3.2	31	1.009	895	0
15	2014	43	2045	1.968	4.229	8.74	161.2	160.2	180	9.87	4.013	1.44	7.521	9.01	12.14	1.484	4.62	3.13	31.13	0.872	894	0
15	2014	43	2100	1.245	3.179	7.703	145.4	154.5	179.5	21.92	6.705	1.939	6.506	8.27	11.14	1.766	4.629	2.87	33.12	0.81	894	0
15	2014	43	2115	0.978	3.319	8.13	166.6	157.9	181.6	12.93	5.408	1.849	5.465	7.835	10.9	2.37	5.432	3.06	36.5	0.739	894	0
15	2014	43	2130	1.336	3.256	8.79	189	173.6	185.9	11.49	6.563	2.302	6.253	8.07	11.41	1.816	5.161	3.34	34.8	1.001	894	0
15	2014	43	2145	1.496	3.589	8.82	186.8	177.2	188.9	7.684	3.144	0.489	5.81	7.849	11.37	2.039	5.561	3.52	35.49	1.026	894	0
15	2014	43	2200	1.29	3.351	8.8	201.2	179.1	193.1	19.81	2.687	1.937	5.061	7.246	11.2	2.185	6.139	3.95	37.63	0.888	894	0
15	2014	43	2215	1.236	3.274	7.623	184.4	181.8	197.3	11.66	5.37	1.949	5.163	7.13	10.46	1.968	5.298	3.33	37.5	0.825	894	0
15	2014	43	2230	1.299	3.21	6.059	178.2	193	206.1	14.32	4.709	2.702	5.064	7.535	9.13	2.471	4.07	1.6	38.11	0.861	894	0
15	2014	43	2245	1.653	3.694	6.725	171.6	189.8	209.1	29.45	5.657	1.535	4.838	7.363	9.79	2.525	4.954	2.43	38.69	0.929	893	0
15	2014	43	2300	1.572	2.99	6.107	218.2	212.7	214.4	36.07	11.9	4.872	4.894	6.869	9.55	1.974	4.654	2.68	38.98	0.865	893	0
15	2014	43	2315	0.985	3.103	6.332	196.8	205.5	211.6	21.45	3.219	2.374	4.045	6.746	9.43	2.702	5.385	2.68	42.12	0.709	893	0
15	2014	43	2330	0.784	2.545	5.542	166.9	202.4	211.6	19.88	7.052	2.899	4.607	7.104	9.17	2.497	4.561	2.07	40.34	0.746	893	0
15	2014	43	2345	0.815	1.549	4.215	74.02	172	208.8	18.99	10.55	5.806	2.897	6.942	8.8	4.045	5.898	1.86	45.31	0.52	892	0
15	2014	43	2400	1.656	3.128	4.685	139.9	167	194.7	13.11	5.516	5.606	4.414	7.542	8.72	3.128	4.306	1.18	42.13	0.808	892	0
15	2014	44	15	1.174	3.019	4.757	123.8	145.6	188.1	11.92	8.17	3.034	4.665	6.951	8.73	2.286	4.067	1.78	40.95	0.798	892	0
15	2014	44	30	1.219	3.111	5.351	161.8	172.6	190.6	22.8	6.753	3.194	4.594	7.613	8.86	3.019	4.271	1.25	40.73	0.772	892	0
15	2014	44	45	1.428	2.686	5.331	133.6	157.4	185	64.15	11.42	4.066	5.399	7.39	9.02	1.991	3.619	1.63	39.22	0.81	892	0
15	2014	44	100	1.075	2.739	5.483	159.4	159.2	179.7	66.57	8.8	2.379	5.156	7.3	8.78	2.144	3.622	1.48	39.86	0.711	892	0
15	2014	44	115	1.074	2.814	4.352	118.8	139.5	171.4	32.05	10.01	4.063	5.273	7.403	8.47	2.13	3.2	1.07	39.12	0.647	892	0
15	2014	44	130	0.835	2.97	4.6	154	147.8	171.2	13.89	5.147	3.374	5.17	7.507	8.77	2.337	3.605	1.26	39.59	0.67	892	0
15	2014	44	145	1.663	3.894	5.143	133.3	135.1	163.7	12.76	5.997	4.594	5.385	7.527	9.23	2.143	3.848	1.7	39.55	0.801	892	0
15	2014	44	200	1.428	3.547	5.33	126.1	128.9	157.8	14.63	6.074	4.741	5.934	7.755	9.46	1.821	3.522	1.7	37.17	0.857	892	0
15	2014	44	215	1.052	3.291	4.413	117.6	123.4	160	15.23	4.594	6.115	5.683	7.812	9.87	2.129	4.182	2.06	37.78	0.62	892	0
15	2014	44	230	0.973	1.815	4.057	16.03	111.9	162.7	93.3	54.84	8.12	4.932	6.43	9.66	1.498	4.727	3.23	40.65	0.565	892	0
15	2014	44	245	0.823	1.425	3.105	59.13	102.1	169.1	38.45	25.68	10.02	5.173	6.672	9.79	1.498	4.615	3.12	39.77	0.567	892	0
15	2014	44	300	1.072	2.564	3.806	161	140.2	183.6	73.93	11.94	4.81	4.805	6.968	10.3	2.162	5.492	3.33	40.67	0.65	891	0
15	2014	44	315	0.89	2.742	3.326	172.7	152.7	203.7	28.02	10.83	6.277	5.098	7.424	10.38	2.326	5.282	2.96	39.3	0.653	891	0
15	2014	44	330	0.692	1.776	3.162	43.45	126.4	198.8	63.32	23.74	10.97	4.302	6.431	10.09	2.128	5.791	3.66	41.69	0.479	891	0
15	2014	44	345	0.6	1.778	2.449	84.3	117	185.1	59.84	17.07	14.15	4.617	6.249	9.83	1.632	5.214	3.58	40.62	0.488	891	0
15	2014	44	400	1.129	2.373	1.151	36.9	91	137.2	36.83	10.82	25.03	3.547	7.154	10.09	3.607	6.545	2.94	44.14	0.384	891	0
15	2014	44	415	0.787	1.596	0.93	23.83	99.6	174.8	52.89	19.05	69.05	3.21	7.074	10.59	3.864	7.382	3.52	46.06	0.265	891	0
15	2014	44	430	1.122	1.521	1.81	32.67	23.6	300.4	45.98	64.6	41.98	3.725	9.25	11.18	5.53	7.453	1.93	46.07	0.58	891	0
15	2014	44	445	0.907	1.113	3.026	25.93	294.9	290.5	51.01	28.75	12.89	4.204	10.35	11.79	6.144	7.589	1.44	42.89	0.649	891	0
15	2014	44	500	0.515	1.835	3.848	247.4	247.7	269.2	62.89	9.87	6.838	4.834	10.27	11.5	5.433	6.664	1.23	40.54	0.744	891	0
15	2014	44	515	0.661	1.533	2.961	121.2	212.5	247.9	35.55	12.24	8.12	5.049	10.01	11.18	4.963	6.132	1.17	38.99	0.605	891	0
15	2014	44	530	1.088	1.786	2.83	126.6	174.9	231.8	13.89	10.07	6.742	3.926	9.6	10.9	5.676	6.977	1.3	41.77	0.573	891	0
15	2014	44	545	0.811	2.258	2.37	90.9	151.6	216.9	38.19	11.66	10.82	3.553	9.46	10.71	5.908	7.159	1.25	44.45	0.493	891	0
15	2014	44	600	0.585	2.601	2.062	83.1	139.1	207.2	27.27	6.361	10.37	3.725	9.77	10.88	6.042	7.156	1.11	43.51	0.374	891	0
15	2014	44	615	0.544	2.187	2.748	344.7	145.4	232.8	60.88	7.42	14.4	2.894	8.43	11.14	5.541	8.25	2.71	47.03	0.493	891	0
15	2014	44	630	0.759	1.393	2.85	12.17	165.5	246.4	29.82	13.84	7.064	2.536	9.09	11.3	6.558	8.77	2.21	47.32	0.892	891	0
15	2014	44	645	1.01	1.119	2.448	31.01	166.1	245.3	23.68	18.06	14.1	2.206	8.8	10.83	6.598	8.63	2.03	48.72	4.103	892	0
15	2014	44	700	0.805	1.322	2.633	51.57	197.9	258.9	31.5	46.41	9.74	1.513	9.25	10.73	7.74	9.22	1.48	52.07	21.05	892	0
15	2014	44	715	0.992	1.384	1.505	55.65	131	249.5	16.77	11.29	12.86	3.656	9.73	10.55	6.074	6.89	0.82	46.93	58.49	892	0
15	2014	44	730	0.81	0.551	1.893	21.78	61.16	292.2	23.79	70.86	8.92	5.684	10.24	11.2	4.552	5.516	0.96	45.24	122.4	893	0
15	2014	44	745	0.369	0.592	2.727	323.9	293.1	283.1	56.39	37.03	4.762	8.98	10.38	11.22	1.394	2.232	0.84	36.48	201.9	893	0
15	2014	44	800	1.144	1.251	2.365	308.8	302	290.9	31.87	29.62	6.831	11.29	11.18	11.22	-0.109	-0.077	0.04	26.23	311.1	893	0
15	2014	44	815	2.158	2.299	2.883	304.4	301.4	306.8	14.41	12.03	12.39	11.98	11.85	11.48	-0.128	-0.497	-0.37	24.68	268	893	0
15	2014	44	830	2.427	2.777	2.527	314	312.1	312	12.8	8.66	4.937	11.66	11.53	11.14	-0.132	-0.525	-0.39	25.6	207.9	893	0
15	2014	44	845	2.221	2.363	2.289	303.9	302.8	308	11.97	8.62	5.173	11.04	10.95	10.61	-0.1	-0.438	-0.34	26.78	212.3	894	0
15	2014	44	900	2.401	2.461	2.637	297.5	298.4	309.8	12.5	9.75	8.07	11.3	11	10.58	-0.293	-0.718	-0.42	26.36	347.5	894	0
15	2014	44	915	3.205	3.525	4.255	312.6	312.4	322.6	17.8	14.77	13.59	12.5	11.98	11.46	-0.52	-1.039	-0.52	25.04	473.6	894	0
15	2014	44	930	3.984	5.411	6.168	333.9	332.3	333	13.94	11.8	9.09	14.09	13.33	12.61	-0.762	-1.477	-0.72	23.64	534.8	894	0
15	2014	44	945	4.104	5.428	6.136	327.5	326.6	328	13.25	9.71	7.994	14.91	14.11	13.36	-0.798	-1.544	-0.75	22.92	579.6	894	0
15	2014	44	1000	3.965	5.348	6.021	337.2	335.5	338.6	19.41	15.12	12.11	16.37	15.47	14.73	-0.901	-1.64	-0.74	21.89	615.1	894	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	44	1015	4.829	6.611	7.714	342.9	341.9	341.4	16.92	11.61	8.77	18.04	17.09	16.17	-0.95	-1.869	-0.92	20.01	651.9	894	0
15	2014	44	1030	5.45	7.446	8.32	342.8	342	341.8	16.31	10.43	7.764	18.84	17.85	17.03	-0.992	-1.816	-0.82	18.96	685	894	0
15	2014	44	1045	5.387	7.506	8.58	352.6	353.9	356.3	22.39	20.21	17.96	20.11	19.09	18.23	-1.024	-1.879	-0.86	17.27	716.8	894	0
15	2014	44	1100	5.452	7.481	8.84	20.45	18.53	18.37	16.51	12.77	8.75	20.62	19.54	18.62	-1.081	-2.002	-0.92	16.07	738.4	893	0
15	2014	44	1115	5.12	7.301	8.54	25.92	24.19	23.66	14.7	9.65	7.56	20.96	19.77	18.76	-1.189	-2.193	-1.01	15.91	763.5	893	0
15	2014	44	1130	4.406	6.2	6.887	29.65	29.14	27.84	19.26	14.99	11.18	21.32	20.03	19.05	-1.291	-2.268	-0.98	15.96	783.2	893	0
15	2014	44	1145	4.433	6.011	6.876	20	20.8	23.06	22.23	18	14.87	21.28	20.03	19.27	-1.246	-2.013	-0.76	16.21	796.8	893	0
15	2014	44	1200	4.059	5.444	6.172	19.71	19.76	19.98	18.43	15.49	12.99	21.71	20.42	19.49	-1.283	-2.222	-0.93	15.93	807	893	0
15	2014	44	1215	3.572	4.761	5.186	27.48	27.54	24.84	19.37	13.56	10.87	21.66	20.4	19.64	-1.268	-2.022	-0.76	15.87	813	893	0
15	2014	44	1230	3.688	4.81	5.568	10.29	12.17	10.71	26.17	23.09	21.08	22.06	20.89	19.92	-1.167	-2.132	-0.97	15.62	814	892	0
15	2014	44	1245	3.159	3.962	4.302	36.42	34.2	35.7	23.41	17.65	15.77	22.09	20.84	19.99	-1.251	-2.096	-0.85	15.48	812	892	0
15	2014	44	1300	2.427	3.063	3.361	359.3	358.3	1.466	38.33	29.78	24.79	21.92	20.91	20.11	-1.003	-1.802	-0.8	15.54	805	892	0
15	2014	44	1315	2.443	3.208	3.595	6.962	7.087	3.78	28.18	23.71	21.8	22.38	21.18	20.39	-1.193	-1.992	-0.79	15.05	791.6	891	0
15	2014	44	1330	2.135	2.697	2.841	307.4	308	315.4	44.89	38.68	30.25	22.47	21.76	21.03	-0.708	-1.442	-0.73	14.94	774.5	891	0
15	2014	44	1345	2.603	2.822	2.699	298.6	295.6	304.1	28.67	22.83	21.03	22.39	21.67	21	-0.723	-1.395	-0.67	14.61	752.4	891	0
15	2014	44	1400	1.9	2.289	2.337	317	317.2	316.6	49.45	43.47	38.17	22.51	21.86	21.09	-0.647	-1.425	-0.77	14.63	725.1	891	0
15	2014	44	1415	1.384	1.573	1.319	82.9	76.84	34.98	63.5	67.28	76.61	22.14	21.48	20.97	-0.658	-1.166	-0.51	14.84	693.8	891	0
15	2014	44	1430	2.243	2.598	2.883	273.2	269.2	269.2	36.51	32.52	21.42	22.75	22.04	21.43	-0.71	-1.321	-0.61	14.49	659.3	891	0
15	2014	44	1445	1.867	2.276	2.529	248.8	248.8	257.7	43.14	36.84	30.72	22.76	22.1	21.42	-0.659	-1.335	-0.68	14.3	620.5	891	0
15	2014	44	1500	2.854	3.331	3.222	287.7	285.4	284.7	32.05	24.22	21.68	23.18	22.32	21.64	-0.862	-1.545	-0.68	14.08	574.5	891	0
15	2014	44	1515	2.262	2.902	3.302	270.9	270.4	269.6	33.82	32.38	27.31	22.72	22.06	21.47	-0.655	-1.243	-0.59	14.33	530.5	890	0
15	2014	44	1530	2.62	3.222	3.287	276.8	277.2	280.9	23.4	19.85	16.48	22.82	22.12	21.53	-0.694	-1.288	-0.59	14.23	473.5	890	0
15	2014	44	1545	2.608	3.587	4.165	263.9	260.8	264.4	20.4	14.35	12.31	22.88	22.13	21.53	-0.754	-1.347	-0.6	14.25	424.4	890	0
15	2014	44	1600	3.042	4.159	4.694	260	259.9	259.9	12.2	10.29	8.37	22.73	22.03	21.41	-0.694	-1.317	-0.62	14.48	368.2	890	0
15	2014	44	1615	3.017	4.204	4.702	249.4	249.2	253.3	14.21	10.27	10.27	22.5	21.86	21.34	-0.635	-1.161	-0.52	14.64	327.9	890	0
15	2014	44	1630	2.633	3.316	3.946	236.1	239.5	247.7	16.82	13.2	10.46	22.31	21.89	21.36	-0.412	-0.946	-0.53	14.71	252.3	890	0
15	2014	44	1645	2.001	2.841	3.343	251.9	252.2	255.1	17.9	15.72	13.08	22.22	21.89	21.36	-0.327	-0.861	-0.53	14.95	196.7	890	0
15	2014	44	1700	2.146	3.054	3.546	232.9	232.8	230.4	25.09	22.06	17.93	21.78	21.66	21.27	-0.115	-0.515	-0.39	15.36	138.4	890	0
15	2014	44	1715	1.43	2.342	3.031	213.1	213.6	217.9	11.62	7.958	6.217	21.11	21.39	21.16	0.282	0.05	-0.23	16.18	81.9	890	0
15	2014	44	1730	1.365	2.428	3.427	223.6	227	230.6	8.83	8.66	7.628	19.92	21.12	21.11	1.208	1.193	-0.01	17.57	28.31	890	0
15	2014	44	1745	1.122	2.242	3.507	206.3	230.2	234.5	19.36	7.007	6.044	18.62	20.83	21.07	2.21	2.446	0.24	18.88	5.326	890	0
15	2014	44	1800	0.885	1.577	2.987	141.1	217.8	227.6	29.52	9.36	3.057	15.58	19.93	20.99	4.348	5.404	1.06	22.54	0.508	890	0
15	2014	44	1815	0.884	1.826	3.03	97.8	187.9	208.4	24.51	6.295	5.604	13.77	19.52	20.86	5.741	7.088	1.34	26.22	0.251	890	0
15	2014	44	1830	0.913	2.731	3.388	107.3	159.2	188.3	12.93	11.52	2.805	13	19.08	20.73	6.085	7.735	1.65	28.02	0.341	890	0
15	2014	44	1845	0.746	2.664	3.081	63.96	136.1	189.1	31.9	7.113	2.455	12.57	19.08	20.72	6.51	8.15	1.64	29.71	0.344	890	0
15	2014	44	1900	0.582	2.364	2.718	86.8	134	187.7	45.6	3.834	2.407	11	19.18	20.67	8.18	9.68	1.49	33.65	0.339	890	0
15	2014	44	1915	1.094	3.356	3.176	124.8	137.5	181.1	10.52	4.049	2.227	11.83	18.57	20.45	6.745	8.63	1.88	32.3	0.575	890	0
15	2014	44	1930	1.541	3.812	3.81	117.2	136.1	176.1	6.403	2.413	3.236	12.22	17.95	20.36	5.74	8.14	2.41	31.07	0.836	890	0
15	2014	44	1945	1.044	3.885	4.833	107.8	131	178.9	11.83	5.525	1.522	11.49	16.37	20.22	4.882	8.73	3.85	32.66	0.732	890	0
15	2014	44	2000	1.632	4.228	4.981	112.3	131.2	177.8	9.17	3.275	1.292	12.15	17.31	20.23	5.159	8.09	2.92	31.99	0.805	890	0
15	2014	44	2015	1.603	4.321	5.146	119.8	132.5	173.1	6.732	2.311	1.276	12.09	16.66	20.39	4.564	8.29	3.73	31.31	0.88	890	0
15	2014	44	2030	0.851	3.584	5.24	104.1	132.6	171.2	59.73	2.591	1.365	11.42	15.35	20.35	3.937	8.93	5	32.87	0.722	890	0
15	2014	44	2045	0.716	3.614	5.086	103	132.1	174.3	27.4	3.151	0.902	11.33	15.32	20.39	3.982	9.05	5.07	33.18	0.604	890	0
15	2014	44	2100	0.557	2.76	5.542	23.3	129	176.5	33.29	5.761	1.358	11.4	14.59	19.95	3.194	8.55	5.36	33.39	0.592	891	0
15	2014	44	2115	0.663	2.462	5.753	40.62	135.2	176.3	51.45	11.2	2.874	11.79	14.75	19.02	2.959	7.223	4.27	32.15	0.689	891	0
15	2014	44	2130	0.681	2.214	5.753	177.2	155.2	183.8	70.43	17.21	5.974	11.97	14.84	18.17	2.872	6.199	3.33	31.97	0.666	891	0
15	2014	44	2145	1.795	3.106	5.052	206.7	210.4	220.9	20.93	11.83	8.92	11.4	14.57	16.33	3.176	4.933	1.76	33.32	0.934	891	0
15	2014	44	2200	1.185	2.301	4.157	143.6	181.2	219.6	40.83	13.83	7.26	9.74	13.51	16.92	3.77	7.181	3.41	36.55	0.49	891	0
15	2014	44	2215	0.858	2.056	4.067	124.6	184.5	219.6	39.25	8.68	5.059	8.07	14.26	16.76	6.194	8.69	2.5	41.87	0.396	891	0
15	2014	44	2230	0.754	2.039	4.308	146.9	189.8	230.3	37.3	7.881	6.713	8.51	14.07	16.8	5.561	8.29	2.73	40.41	0.565	891	0
15	2014	44	2245	0.995	2.301	3.755	100.9	168.4	237.6	17.6	16.59	7.015	7.23	14.02	16.54	6.787	9.31	2.52	44.35	0.54	890	0
15	2014	44	2300	1.069	2.274	2.449	93.8	144.1	240.7	62.22	15.5	18.03	8.69	13.89	16.36	5.207	7.678	2.47	40.99	0.771	890	0
15	2014	44	2315	0.486	1.299	3.109	8.83	162.4	268.4	42.54	12.92	6.574	7.228	13.44	17.24	6.207	10.01	3.8	44.44	0.378	890	0
15	2014	44	2330	1.012	1.333	3.34	47.8	156.8	277.6	10.96	7.413	3.397	5.473	14.58	17.71	9.1	12.24	3.13	49.83	0.412	890	0
15	2014	44	2345	0.501	1.979	2.969	87.5	148.9	262.7	62.06	8.94	14.94	6.846	14.98	17.28	8.13	10.43	2.3	46.08	0.473	890	0
15	2014	44	2400	0.618	3.127	2.385	127	127.6	203.1	70.18	5.946	12.99	8.03	11.53	16.02	3.504	7.992	4.49	43.03	0.587	890	0
15	2014	45	15	0.842	2.017	2.698	37.9	123.3	235.7	30.5	8.21	11.66	8.04	11.72	16.14	3.679	8.1	4.42	41.1	0.679	890	0
15	2014	45	30	1.499	0.696	3.537	33.77	124.9	265.1	9.79	18.45	6.628	6.124	14.2	16.65	8.08	10.53	2.45	47.02	0.461	890	0
15	2014	45	45	1.01	0.47	3.208	49.21	154.9	280.2	20.24	40.36	3.788	5.129	14.85	16.68	9.72	11.55	1.83	51.16	0.392	890	0
15	2014	45	100	1.497	0.261	2.761	39.11	145.6	285.8	4.767	42.69	3.577	4.412	14.67	16.18	10.25	11.77	1.51	54.24	0.395	890	0
15	2014	45	115	1.046	0.606	1.083	47.48	111.1	302.6	23.64	62.12	6.45	4.247	14.65	15.67	10.4	11.42	1.02	55.17	0.333	890	0
15	2014	45	130	1.283	0.682	1.547	38.8	111.8	324.6	7.13	7.399	7.963	4.031	14.23	15.61	10.19	11.57	1.38	55.86	0.397	890	0
15	2014	45	145	0.924	0.659	1.805	49.13	102.5	332.6	31.83	50.48	15.38	4.217	14.15	15.57	9.93	11.36	1.42	54.87	0.394	891	0
15	2014	45	200	1.738	1.423	3.262	33.76	38.81	348.1	8.28	40.45	18.39	4.033	13.67	15.15	9.64	11.11	1.48	55.25	0.567	891	0
15	2014	45	215	1.693	3.967	5.139	40.64	23.62	350.4	10.15	4.689	8.08	4.276	12.41	14.85	8.13	10.58	2.44	55.39	0.706	891	0
15	2014	45	230	1.725	4.701	6.96	24.77	7.8	337	8.27	9.54	7.854	6.399	11.61	15.11	5.206	8.71	3.5	48.96	1.147	891	0
15	2014	45	245	1.724	4.29	6.058	29.22	9.84	339.3	7.387	7.333	5.179	6.556	11.69	15.03	5.137	8.47	3.34	45.92	0.744	891	0
15	2014	45	300	1.731	4.236	5.709	34.32	23.8	345.3	5.871	2.643	5.931	5.857	11.09	14.86	5.232	9	3.77	48.44	0.692	891	0
15	2014	45	315	1.727	4.429	6.324	29.83	6.115	333.2	6.358	13.17	4.454	6.101	12.52	15.08	6.42	8.98	2.56	48.02	0.759	891	0
15	2014	45	330	1.591	4.163	5.779	17.43	10.36	347.3	7.309	3.624	5.067	7.593	11.92	14.93	4.327	7.332	3.01	42.5	0.855	891	0
15	2014	45	345	1.511	2.871	4.989	33.69	17.13	344.1	8.93	3.321	4.847	5.989	11.77	14.47	5.776	8.49	2.7	45.65	0.575	891	0
15	2014	45	400	2.003	2.8	5.003	50.14	24.3	343.9	8.1	7.293	4.589	5.486	12.42	14.66	6.935	9.18	2.24	48.46	0.508	891	0
15	2014	45	415	1.782	2.782	4.895	43.1	25.66	334.5	8.55	7.301	3.269	5.33	12.22	14.98	6.89	9.65	2.76	48.55	0.623	891	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	45	445	2.019	4.485	4.756	52.15	52.22	357.3	10.12	3.308	10.18	6.955	11.5	15.83	4.542	8.87	4.33	42.81	0.725	891	0
15	2014	45	500	2.147	4.92	5.331	44.4	44.02	1.93	8.09	4.007	13	6.714	10.59	15.93	3.874	9.21	5.34	43.47	0.792	891	0
15	2014	45	515	2.039	4.988	5.759	34.56	31.74	359.4	7.998	5.706	8.94	6.858	11.1	15.93	4.245	9.07	4.83	42.54	0.71	892	0
15	2014	45	530	2.221	5.218	5.736	43.86	36.93	2.357	9.68	8.44	8.57	6.797	11.73	15.55	4.932	8.76	3.82	42.66	0.711	892	0
15	2014	45	545	1.982	4.705	6.127	44.17	40.56	359.7	8.39	2.601	7.341	7.407	10.86	15.82	3.452	8.41	4.96	40.01	0.789	892	0
15	2014	45	600	1.525	3.693	4.998	44.28	49.96	357.3	11.31	2.605	12.11	6.916	10.19	15.66	3.276	8.75	5.47	40.78	0.538	892	0
15	2014	45	615	1.771	4.453	5.841	46.09	38.49	359.7	9.02	3.043	11.43	6.197	11.13	15.61	4.935	9.41	4.48	42.95	0.663	892	0
15	2014	45	630	1.765	4.29	5.267	44.59	35.89	355.3	9.56	5.515	9.17	6.591	12.18	15.91	5.587	9.32	3.73	41.71	1.349	893	0
15	2014	45	645	0.762	2.906	5.085	19.72	34.61	359.9	47.05	4.015	7.868	6.634	10.59	15.57	3.952	8.93	4.98	41.27	5.55	893	0
15	2014	45	700	1.937	3.923	5.702	42.57	32.73	356.2	6.508	2.299	9.28	7.185	14.35	16.9	7.161	9.71	2.55	40.5	31.14	893	0
15	2014	45	715	1.041	2.475	4.812	33.43	32.92	344.8	10.38	4.163	4.82	8.92	14.45	16.98	5.534	8.06	2.53	36.22	80.4	893	0
15	2014	45	730	0.547	2.307	4.264	8.82	350.3	326.3	13.92	25.36	9.58	10.9	14.78	16.1	3.877	5.195	1.32	33.47	130.4	893	0
15	2014	45	745	1.125	2.157	3.935	357.6	338.5	328.9	17.65	8.01	5.925	14.17	15	15.59	0.832	1.418	0.59	26.65	174.2	894	0
15	2014	45	800	1.556	1.947	4.191	320.5	323.1	319.4	16.15	13.55	7.237	15.27	15.26	16.23	-0.006	0.962	0.97	22.13	236.3	894	0
15	2014	45	815	1.996	2.011	3.532	299.8	300.7	299.1	11.29	8.82	5.151	15.58	15.51	16.23	-0.074	0.649	0.72	21.5	290.4	894	0
15	2014	45	830	1.628	1.823	2.272	264	270.1	302.9	37.94	33.06	9.17	16.26	16.03	16.32	-0.223	0.064	0.29	21.16	340	894	0
15	2014	45	845	2.116	2.352	2.677	288.5	291.5	298.1	19.21	12.42	7.877	17.25	16.98	16.54	-0.267	-0.706	-0.44	19.36	388.9	894	0
15	2014	45	900	2.168	2.224	2.306	295.8	297.7	303.9	15.21	11.19	9.15	17.98	17.68	17.03	-0.3	-0.949	-0.65	17.4	446.2	895	0
15	2014	45	915	3.381	3.529	3.133	294.2	295.9	302.7	10.61	7.436	5.903	18.5	17.96	17.4	-0.54	-1.099	-0.56	16.2	497.5	895	0
15	2014	45	930	3.294	3.357	3.102	302.4	301.9	304.6	12.61	9.38	7.791	18.96	18.36	17.66	-0.602	-1.302	-0.7	15.63	544.7	895	0
15	2014	45	945	2.726	3.182	3.75	287.3	286.1	287	15.17	11.74	9.63	19.41	18.78	18.02	-0.63	-1.385	-0.76	15.78	582.1	895	0
15	2014	45	1000	3.027	4.095	4.612	275.1	275.6	277.2	13.66	10.39	8.84	20.19	19.28	18.57	-0.909	-1.619	-0.71	15.96	616.4	895	0
15	2014	45	1015	3.146	3.694	4.381	288.4	287.4	287.5	15.66	12.26	10.82	20.7	19.95	19.13	-0.752	-1.569	-0.82	14.9	655.5	895	0
15	2014	45	1030	2.835	3.611	4.061	282.1	283.3	288.6	15.49	11.65	10.23	21.37	20.59	19.76	-0.782	-1.618	-0.83	14.28	687.8	895	0
15	2014	45	1045	2.954	3.496	3.635	288.4	286.4	292.1	16.02	11.81	11.41	21.96	21.25	20.53	-0.709	-1.431	-0.72	13.81	715.5	895	0
15	2014	45	1100	3.662	4.157	4.209	299	299.2	305.1	17.33	15.31	10.32	22.83	22.02	21.25	-0.816	-1.585	-0.77	13.31	745.2	894	0
15	2014	45	1115	4.468	5.287	5.947	309.7	309.4	311.1	18.49	16.24	14.89	23.87	22.9	22.06	-0.971	-1.812	-0.84	11.91	769.3	894	0
15	2014	45	1130	5.73	7.456	8.1	323.6	321.6	321.8	13.7	11.81	9.74	24.66	23.68	22.69	-0.984	-1.973	-0.99	11.14	786.5	894	0
15	2014	45	1145	5.789	7.504	8.35	324.9	321.9	322.1	15.05	13.33	10.79	25.09	24.02	23.07	-1.072	-2.018	-0.95	10.84	798.2	894	0
15	2014	45	1200	6.688	8.74	10.71	322	320.6	322.9	14.17	10.19	7.368	25.16	24.12	23.05	-1.046	-2.112	-1.07	10.83	809	894	0
15	2014	45	1215	6.123	8.44	9.93	325.5	324.7	326.6	14.42	11.78	9.8	25.53	24.38	23.36	-1.146	-2.168	-1.02	10.63	813	894	0
15	2014	45	1230	7.304	10.19	11.67	329.4	327.8	327.5	14.11	10.65	9.09	25.59	24.5	23.51	-1.083	-2.073	-0.99	10.37	815	893	0
15	2014	45	1245	6.532	8.48	9.31	323.3	322	321.8	16.79	13.72	11.1	25.54	24.43	23.37	-1.112	-2.17	-1.06	10.5	812	893	0
15	2014	45	1300	5.688	7.638	8.69	321.8	321.8	322.1	13.3	11.52	9.97	25.64	24.55	23.51	-1.095	-2.132	-1.04	10.59	810	893	0
15	2014	45	1315	6.024	7.754	8.39	321.9	321.2	321.4	16	13.84	13.81	25.73	24.57	23.65	-1.164	-2.082	-0.92	10.65	798.9	893	0
15	2014	45	1330	5.673	8.14	9.11	344.5	342.2	339.7	21.38	18.84	20.3	25.85	24.65	23.71	-1.203	-2.136	-0.94	10.9	778.4	893	0
15	2014	45	1345	5.791	7.982	9.38	340.7	341.2	343.6	19.07	16.59	14.36	26.04	24.96	23.91	-1.087	-2.133	-1.05	10.93	755	892	0
15	2014	45	1400	5.184	7.194	8.47	345.1	344.1	344.2	20.14	17.38	14.23	26.01	24.94	23.91	-1.078	-2.102	-1.03	11.01	727.8	893	0
15	2014	45	1415	4.59	6.445	7.41	344.4	343.9	347.5	21.54	20.72	17.52	25.97	24.9	24.05	-1.072	-1.924	-0.85	11.19	696.1	893	0
15	2014	45	1430	4.833	6.501	7.37	332.9	332.9	334.6	23.46	20.87	19.49	25.92	24.94	23.99	-0.987	-1.93	-0.95	11.1	662.6	892	0
15	2014	45	1445	5.066	6.854	7.959	344.6	345.8	348.1	17.94	13.22	12.72	25.83	24.91	24.08	-0.927	-1.76	-0.83	11.42	622.4	893	0
15	2014	45	1500	5.861	8.05	9.26	50.86	51.07	55.14	50.94	46.94	44.14	25.19	24.19	23.38	-0.999	-1.814	-0.81	12.17	577.5	892	0
15	2014	45	1515	6.196	8.39	9.51	83	80.9	83.2	12.25	8.49	6.635	24.2	23.29	22.42	-0.918	-1.785	-0.87	13.52	528.4	893	0
15	2014	45	1530	5.123	6.838	7.839	79.35	77.56	79.06	13.87	11.21	8.93	24.15	23.31	22.49	-0.833	-1.651	-0.82	13.67	478.4	893	0
15	2014	45	1545	5.988	8.13	9.83	85.7	84.4	87	13.42	10.05	6.671	23.77	22.99	22.15	-0.778	-1.621	-0.84	13.9	444.9	893	0
15	2014	45	1600	5.652	7.78	9.09	97.9	95.6	97.2	14.81	10.3	6.929	23.38	22.63	21.88	-0.752	-1.497	-0.75	14.4	400.8	893	0
15	2014	45	1615	5.569	7.73	9.34	91.7	89.8	91.5	13	9.04	5.818	22.97	22.3	21.54	-0.669	-1.437	-0.76	15.04	353.9	893	0
15	2014	45	1630	6.032	8.24	9.81	93.9	94.3	95.5	13.24	9.04	6.002	22.18	21.72	21.09	-0.458	-1.081	-0.63	15.88	259.1	893	0
15	2014	45	1645	6.26	8.9	10.84	94.7	92.7	95	13.3	8.74	5.271	21.31	21.01	20.48	-0.298	-0.831	-0.53	17.09	195.8	893	0
15	2014	45	1700	6.593	9.2	11.55	97.5	95.9	98.4	12.9	8.3	5.326	20.46	20.29	19.85	-0.17	-0.608	-0.44	18.42	141.7	893	0
15	2014	45	1715	5.981	8.48	10.95	98.5	97.2	98.2	12.84	8.82	5.695	19.74	19.69	19.33	-0.05	-0.404	-0.36	19.46	94.5	893	0
15	2014	45	1730	6.382	9.02	11.6	93.3	92.9	95.6	11.22	7.442	4.43	18.88	18.99	18.79	0.107	-0.097	-0.2	20.78	30.14	893	0
15	2014	45	1745	6.201	8.78	11.39	99.4	97.5	98.9	11.36	7.263	4.34	18	18.17	18.05	0.173	0.054	-0.12	22.41	8.02	893	0
15	2014	45	1800	5.545	8.08	11.28	101.7	100.9	103.2	11.72	7.199	4	17.14	17.36	17.34	0.227	0.198	-0.02	24.17	3.228	894	0
15	2014	45	1815	5.614	8.05	11.17	104.7	103	105.4	11.55	8.22	4.976	16.39	16.61	16.58	0.225	0.19	-0.03	25.84	1.072	894	0
15	2014	45	1830	5.863	8.29	11.43	103.4	102.4	103.3	11.21	7.372	4.746	15.79	15.99	15.97	0.196	0.177	-0.02	27.41	1.025	894	0
15	2014	45	1845	5.513	7.811	10.79	102.4	101.6	103.5	12.34	7.986	4.985	15.25	15.46	15.42	0.211	0.175	-0.04	28.56	1.315	894	0
15	2014	45	1900	4.897	7.369	10.81	105.9	104	105.7	12.44	7.252	3.89	14.57	14.83	14.91	0.256	0.34	0.08	29.76	1.09	895	0
15	2014	45	1915	5.509	7.907	11.07	105.8	104.8	105.5	11.26	7.029	4.213	14.21	14.42	14.44	0.212	0.234	0.02	30.57	0.966	895	0
15	2014	45	1930	5.026	7.506	11	108.8	107	107.8	12.11	7.402	4.34	13.73	13.97	14.03	0.235	0.296	0.06	31.48	1.225	895	0
15	2014	45	1945	5.013	7.384	10.8	114.6	111.9	111.6	11.97	7.074	4.062	13.27	13.52	13.63	0.257	0.366	0.11	32.56	1.034	895	0
15	2014	45	2000	5.101	7.59	11.16	117.2	113.5	113.8	11.42	7.702	4.489	13	13.24	13.38	0.241	0.38	0.14	33.31	1.079	895	0
15	2014	45	2015	5.053	7.575	11.08	118.6	116.3	116.3	11.7	7.874	4.265	12.76	13	13.11	0.243	0.353	0.11	33.97	1.134	895	0
15	2014	45	2030	5.215	7.625	11	118.8	117.4	116.6	11.17	7.279	4.143	12.58	12.83	12.94	0.252	0.356	0.11	34.37	1.014	895	0
15	2014	45	2045	4.57	6.736	10.42	124.3	121.2	118.1	12.12	7.969	4.538	12.27	12.55	12.66	0.273	0.385	0.11	35.08	1.025	896	0
15	2014	45	2100	5.546	8.11	11.34	119.1	117.1	118	10.73	6.905	3.988	12.27	12.52	12.64	0.244	0.371	0.12	35.03	1.12	896	0
15	2014	45	2115	5.066	7.293	10.52	124.6	122.1	120.8	11.63	7.15	4.232	11.95	12.19	12.32	0.241	0.366	0.13	35.5	0.944	896	0
15	2014	45	2130	4.641	6.886	10.33	116.6	114.2	114.9	11.58	6.934	3.527	11.45	11.71	11.88	0.257	0.435	0.17	36.65	1.059	896	0
15	2014	45	2145	4.281	6.412	9.69	116.7	114.7	114.9	11.75	7.38	3.911	10.94	11.2	11.3	0.262	0.359	0.1	37.92	1.021	896	0
15	2014	45	2200	4.523	6.589	9.88	121.1	119.4	117.7	11.6	7.313	3.62	10.67	10.91	11.02	0.236	0.35	0.11	38.29	1.068	896	0
15	2014	45	2215	4.517	6.905	10.19	120	119.2	119.1	11.89	7.946	4.595	10.57	10.85	11	0.279	0.432	0.15	38.05	1.095	896	0
15	2014	45	2230	4.179	6.239	9.58	126.6	123.5	123	12.31	8.52	4.338	10.41	10.67	10.78	0.26	0.365	0.11	37.85	0.943	896	0
15	2014	45	2245	3.536	5.306	8.38	135.1	131.5	128.6	12.28	8.32	4.681	10.08	10.39	10.54	0.306	0.46	0.15	38.58	0.787	897	0
15	2014	45	2300	2.405	3.727	6.573	161.3	152.7	141.1	16.23	13.67	6.597	9.6	10	10.24	0.399	0.635	0.24	39.72	0.756	897	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	45	2315	2.524	3.885	6.426	166.6	158.6	149.3	11.84	8.36	5.949	9.45	9.95	10.23	0.503	0.775	0.28	40.4	0.747	897	0
15	2014	45	2330	2.383	3.798	6.463	162.8	157.9	149.8	13.28	9.08	5.587	9.35	9.81	10.1	0.468	0.759	0.29	40.21	0.749	897	0
15	2014	45	2345	2.734	4.146	6.603	155.8	151.4	147.1	12.07	8.16	5.733	9.44	9.9	10.11	0.458	0.669	0.21	39.85	0.809	897	0
15	2014	45	2400	2.761	4.297	6.65	153.2	149.9	146.5	12.07	8.09	5.83	9.37	9.8	9.99	0.426	0.619	0.19	39.62	0.774	896	0
15	2014	46	15	2.48	3.938	6.453	154.1	151	146.1	12.11	8.01	4.42	9.16	9.63	9.88	0.474	0.719	0.25	40.05	0.785	896	0
15	2014	46	30	2.226	3.64	6.382	147.7	144.1	141.6	12.47	8.18	5.106	8.96	9.48	9.83	0.513	0.868	0.35	40.55	0.616	896	0
15	2014	46	45	2.328	3.687	6.81	144.3	140.4	138.8	11.71	7.966	4.207	8.98	9.4	9.85	0.42	0.862	0.45	40.35	0.84	896	0
15	2014	46	100	1.996	3.238	6.353	148.5	141.7	137.9	12.1	7.81	4.698	8.74	9.17	9.6	0.431	0.856	0.43	40.86	0.773	896	0
15	2014	46	115	2.25	3.629	6.62	152.1	145.1	139.2	12.04	8.94	4.666	8.79	9.19	9.55	0.4	0.755	0.36	40.51	0.916	896	0
15	2014	46	130	2.367	3.687	6.706	151.3	145.2	140.2	12.78	9.23	4.701	8.75	9.1	9.41	0.347	0.658	0.31	40.29	0.802	896	0
15	2014	46	145	2.04	3.489	6.826	143.4	137.2	136.3	11.73	8.21	2.916	8.43	8.9	9.47	0.476	1.041	0.57	40.8	0.767	896	0
15	2014	46	200	1.794	3.251	6.715	144.1	136.8	136	11.19	7.525	2.543	8.06	8.65	9.44	0.595	1.383	0.79	41.74	0.713	896	0
15	2014	46	215	1.955	3.523	7.171	141.3	133.8	136.6	12.18	7.091	1.743	7.724	8.33	9.48	0.609	1.755	1.15	42.95	0.835	896	0
15	2014	46	230	1.93	3.664	7.304	126.4	124.2	137.9	12.9	6.876	2.232	7.492	8.14	9.69	0.65	2.196	1.55	43.69	0.811	895	0
15	2014	46	245	1.821	3.537	6.773	112.8	115.9	136.5	11.51	5.903	1.978	7.312	8.05	9.76	0.743	2.451	1.71	44.19	0.704	895	0
15	2014	46	300	1.682	3.59	6.297	105.6	111.8	137.4	9.05	3.416	1.638	6.848	8.05	9.95	1.201	3.102	1.9	45.39	0.666	895	0
15	2014	46	315	1.816	3.84	6.832	113.2	115.5	139.9	9.36	4.297	1.849	6.663	7.821	10.2	1.158	3.533	2.38	46.49	0.807	895	0
15	2014	46	330	1.821	3.775	7.073	116.7	118.8	141	12.59	6.121	0.94	7.047	7.893	10.37	0.846	3.319	2.48	45.29	0.914	895	0
15	2014	46	345	1.51	3.128	6.536	110.6	115.9	140.3	12.61	7.117	1.687	6.948	7.875	10.24	0.927	3.294	2.36	45.44	0.741	895	0
15	2014	46	400	1.389	3.209	6.28	118.8	117.8	141.5	12.16	5.586	2.075	6.668	7.726	9.87	1.057	3.206	2.14	46.28	0.719	895	0
15	2014	46	415	1.257	2.746	6.011	130.8	123.3	145.2	15.48	6.859	3.253	6.788	7.591	9.45	0.803	2.662	1.86	46	0.7	895	0
15	2014	46	430	0.548	1.819	4.975	114.6	121.3	148.6	35.35	10.68	4.776	6.422	7.253	9.13	0.832	2.708	1.88	47	0.579	895	0
15	2014	46	445	0.536	1.581	4.333	41.58	109.6	140.3	58.4	12.15	3.016	6.253	6.974	8.9	0.721	2.642	1.93	47.82	0.579	895	0
15	2014	46	500	1.449	3.259	5.329	88.7	106.8	135.8	27.32	9.99	5.272	5.956	7.166	9.06	1.209	3.099	1.89	48.99	0.765	895	0
15	2014	46	515	1.437	2.577	5.753	135.8	127	136.8	58.09	30.35	5.663	6.65	7.248	8.94	0.598	2.291	1.69	46.53	0.879	895	0
15	2014	46	530	1.497	3.125	5.264	111.4	114	144.7	34.34	12.53	9.55	6.458	7.415	9.34	0.957	2.883	1.92	47.35	0.749	895	0
15	2014	46	545	1.675	3.717	4.86	113.2	115.6	156.2	14.47	5.599	5.739	5.901	7.032	9.7	1.131	3.795	2.67	48.52	0.586	895	0
15	2014	46	600	1.025	2.583	3.063	27.34	94.3	152.6	52.98	12.61	9.96	5.085	6.789	9.64	1.705	4.553	2.85	51.95	0.483	895	0
15	2014	46	615	0.786	2.471	2.237	68.38	111.8	183.7	60.49	11.08	13.15	4.776	7.261	9.99	2.484	5.218	2.73	52.82	0.39	895	0
15	2014	46	630	0.985	2.44	1.662	42.76	105.8	192.8	22.02	13.97	9.33	3.024	7.331	9.95	4.307	6.926	2.62	59.25	1.27	895	0
15	2014	46	645	0.806	2.425	1.456	31.9	112.9	188.5	20.48	6.885	10.24	2.848	7.924	9.96	5.077	7.108	2.04	61.04	3.086	895	0
15	2014	46	700	0.516	2.845	2.135	115.4	132.6	188.8	72.59	6.99	4.93	3.032	8.46	9.91	5.426	6.882	1.45	60.81	18.42	895	0
15	2014	46	715	0.455	2.553	1.975	42.34	122.4	195.7	14.95	6.252	6.587	4.068	7.583	9.89	3.515	5.822	2.31	57.74	45.77	895	0
15	2014	46	730	0.459	1.932	1.469	329.6	129.5	209.6	71.81	11.6	13.33	4.789	8.84	9.93	4.049	5.14	1.09	57.14	80.4	895	0
15	2014	46	745	0.425	1.395	1.458	73.38	127.5	201	48.29	14.99	13.33	7.297	9.1	9.99	1.799	2.688	0.89	52.85	170.9	895	0
15	2014	46	800	0.663	0.758	0.669	97.4	95.7	173.1	47.21	36.18	89.6	10.57	10.39	10.37	-0.179	-0.191	-0.02	39.18	229	895	0
15	2014	46	815	0.722	0.921	1.072	33.07	24.71	352.5	32.16	31.05	31.89	11.76	11.48	11.12	-0.274	-0.639	-0.36	35.56	293.2	896	0
15	2014	46	830	0.719	0.717	0.927	297	305.9	323.6	37.51	25.57	27.74	12.86	12.84	12.38	-0.022	-0.48	-0.46	33.47	363	896	0
15	2014	46	845	1.228	1.401	1.454	285.4	286.3	290.5	23.38	20.65	18.92	13.72	13.49	13.2	-0.225	-0.517	-0.29	31.8	413.8	896	0
15	2014	46	900	1.866	1.865	2.237	299.3	295.4	274.4	13.37	11.33	10.2	14.4	14.1	13.68	-0.3	-0.728	-0.42	30.58	465.2	896	0
15	2014	46	915	1.918	1.893	2.173	291.6	292.8	279.4	14.51	9.59	10.29	15.41	15.05	14.66	-0.363	-0.746	-0.39	28.6	521.9	896	0
15	2014	46	930	1.894	1.944	2.12	293.3	290.7	284.5	16.77	12.46	9.95	16.39	16.1	15.68	-0.292	-0.707	-0.42	26.53	571.3	896	0
15	2014	46	945	1.782	1.878	2.277	298.6	298.2	292.8	22.04	13.96	10.56	17.57	17.17	16.71	-0.398	-0.858	-0.46	24.47	524.8	896	0
15	2014	46	1000	2.236	2.347	2.235	287.8	289.9	297.7	17.7	12.36	9.52	18.6	18.12	17.56	-0.479	-1.041	-0.56	21.95	582	896	0
15	2014	46	1015	2.405	2.469	2.349	296	296.4	303.4	16.27	11.03	8.42	18.99	18.47	17.9	-0.516	-1.09	-0.57	21.07	621.5	896	0
15	2014	46	1030	2.452	2.568	2.463	303.7	304.5	311	16.35	12.5	9.56	19.59	19.08	18.42	-0.503	-1.17	-0.66	19.59	644.7	896	0
15	2014	46	1045	2.163	2.286	2.208	298.7	298.9	300	19.63	16.41	14.15	20.12	19.64	18.97	-0.482	-1.153	-0.67	19.04	655.1	896	0
15	2014	46	1100	1.949	2.024	2.184	295	295.8	287.3	19.87	12.91	10.93	20.39	20.01	19.51	-0.38	-0.881	-0.5	18.65	715.6	896	0
15	2014	46	1115	1.707	1.823	1.957	281.9	280.6	282.9	37.97	26.25	21.67	21.21	20.82	20.32	-0.391	-0.892	-0.5	17.77	704.2	895	0
15	2014	46	1130	1.826	2.19	2.317	279.2	280.3	286.4	19.71	16.26	12.48	22.12	21.6	21.25	-0.519	-0.871	-0.35	16.46	767	895	0
15	2014	46	1145	1.947	2.256	2.116	293.4	291.8	295.5	30.11	23.13	13.84	23.24	22.67	22.12	-0.572	-1.12	-0.55	15.23	853	895	0
15	2014	46	1200	2.102	2.452	2.505	292.1	296.9	300.5	26.25	18.71	15.73	24.07	23.49	22.89	-0.584	-1.181	-0.6	14.02	821	895	0
15	2014	46	1215	2.621	3.099	3.259	300.6	298.5	298.5	28	19.66	14.08	25.07	24.33	23.58	-0.742	-1.498	-0.75	12.26	797.5	895	0
15	2014	46	1230	2.804	3.131	2.937	298.3	299	301.7	19.74	15.78	13.5	25.59	24.88	24.09	-0.714	-1.501	-0.79	11.33	835	894	0
15	2014	46	1245	2.361	2.78	2.732	297.9	293.1	293.5	26.65	22.06	15.99	26.12	25.38	24.7	-0.737	-1.418	-0.68	10.94	834	894	0
15	2014	46	1300	2.202	2.657	2.803	310.5	309.8	308.1	42.91	32.94	26.24	26.4	25.67	25.08	-0.729	-1.314	-0.59	9.89	838	894	0
15	2014	46	1315	2.865	3.291	3.454	331.2	329.7	329.1	26.94	24.25	19.19	26.98	26.04	25.19	-0.945	-1.791	-0.85	8.94	791.8	893	0
15	2014	46	1330	2.282	2.588	2.819	310.8	315.2	315.5	26.66	17.95	17.55	26.9	26.36	25.72	-0.539	-1.176	-0.64	8.65	812	893	0
15	2014	46	1345	2.167	2.66	2.349	284.6	288.2	299.3	27.49	22.67	31.78	27.07	26.44	25.88	-0.622	-1.183	-0.56	8.68	767.8	893	0
15	2014	46	1400	1.831	2.031	1.842	303.7	299.4	298.6	32.43	26.63	17.94	27.34	26.81	26.3	-0.532	-1.036	-0.51	8.58	738.6	893	0
15	2014	46	1415	1.951	2.429	2.782	252.9	258.2	256.7	28.14	26.19	20.93	27.54	26.91	26.3	-0.63	-1.235	-0.61	8.18	698	893	0
15	2014	46	1430	2.702	3.466	3.617	245	247.6	250.9	17.9	14.43	13.49	27.87	26.92	26.22	-0.958	-1.651	-0.7	7.456	634.3	893	0
15	2014	46	1445	2.303	2.976	3.515	244.4	240.5	240.2	23.17	17.76	14.58	28.01	27.13	26.31	-0.885	-1.702	-0.82	7.684	610	893	0
15	2014	46	1500	2.2	2.809	3.111	226.2	226.8	231.3	18.95	17.02	13.72	27.99	27.12	26.42	-0.863	-1.567	-0.7	8.09	555.1	893	0
15	2014	46	1515	2.575	3.194	3.611	218.1	217.9	215.4	17.85	14.15	11.65	28.2	27.41	26.77	-0.787	-1.432	-0.64	8.12	541.5	892	0
15	2014	46	1530	2.592	3.37	3.879	233.7	228.8	222.2	18.13	15.71	13.29	28.53	27.71	27.04	-0.817	-1.487	-0.67	8.19	496.5	892	0
15	2014	46	1545	2.987	3.84	4.267	219.2	218	220.2	24.57	21.88	13.19	28.57	27.89	27.22	-0.685	-1.353	-0.67	8.32	444.3	892	0
15	2014	46	1600	3.459	4.464	5.214	224.5	223.4	222.8	15.14	12.02	9.91	28.66	28.02	27.34	-0.633	-1.317	-0.68	8.34	386.4	892	0
15	2014	46	1615	2.948	3.901	4.444	233.5	231.2	226.5	15.3	12.9	12.19	28.56	27.99	27.41	-0.565	-1.148	-0.58	8.6	330.1	892	0
15	2014	46	1630	3.465	4.537	5.429	208.3	206.2	209.4	13.38	10.22	8.69	28.38	27.98	27.41	-0.399	-0.971	-0.57	8.8	270.5	892	0
15	2014	46	1645	3.535	4.933	5.924	207.3	205.2	206.1	12.08	9.07	5.928	28.03	27.83	27.37	-0.199	-0.665	-0.46	8.93	209.4	892	0
15	2014	46	1700	3.107	4.381	5.506	200.8	198.1	200.3	10.51	7.301	5.5	27.59	27.63	27.31	0.041	-0.279	-0.32	9.03	150.3	892	0
15	2014	46	1715	2.151	3.508	4.988	194.4	193.1	194.3	11.23	6.555	4.412	26.85	27.29	27.25	0.443	0.401	-0.04	9.42	93.9	892	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	46	1745	1.394	2.608	4.289	133.5	164.7	179	13.28	6.63	8.18	23.12	26.12	26.64	3.002	3.526	0.52	11.99	9.48	892	0
15	2014	46	1800	1.565	3.662	6.302	151.2	159.8	185.8	20.07	7.916	11.68	20.74	24.08	26.16	3.344	5.422	2.08	14.27	1.097	892	0
15	2014	46	1815	0.807	2.712	5.991	211.1	167.2	202.2	31.91	9.62	4.47	19.63	21.44	25.52	1.812	5.894	4.08	15.37	0.465	893	0
15	2014	46	1830	1.293	3.598	4.335	139.6	151.3	206.1	21.29	10.82	4.521	17.98	21.55	24.16	3.569	6.177	2.61	16.96	0.385	893	0
15	2014	46	1845	2.045	3.924	3.778	128.5	138.4	197.4	6.88	5.879	12.74	18.03	21.48	23.41	3.447	5.381	1.93	17.08	0.531	893	0
15	2014	46	1900	1.754	3.399	3.462	119.9	137.1	205.1	15.67	8.53	10.73	18.22	21.7	24.06	3.48	5.84	2.36	16.53	0.699	893	0
15	2014	46	1915	1.523	3.414	3.776	111.1	137.6	192.1	7.88	4.236	11.57	16.89	22.16	24.08	5.275	7.192	1.92	18.18	0.483	893	0
15	2014	46	1930	0.524	2.318	3.663	326.4	136.6	218.9	75.04	8.89	11.32	15.44	20.57	24.52	5.128	9.08	3.95	20.32	0.382	893	0
15	2014	46	1945	0.905	2.504	2.928	80.5	127.3	225.2	50.66	7.168	11.53	14.62	20.02	24.12	5.399	9.5	4.1	21.32	0.432	893	0
15	2014	46	2000	1.194	3.65	2.561	86.2	113.9	177.9	65.54	11.25	22.06	14.61	19.52	23.2	4.904	8.58	3.68	22.31	0.542	893	0
15	2014	46	2015	0.99	3.867	2.97	78.07	112.4	145.5	52.2	7.609	7.907	14.73	18.68	23.04	3.95	8.31	4.36	22.19	0.587	893	0
15	2014	46	2030	0.738	3.712	2.287	85.2	118.3	157.9	31.71	3.274	6.976	14.77	18.68	22.94	3.906	8.17	4.26	21.87	0.445	894	0
15	2014	46	2045	1.502	3.797	1.354	108.4	124.6	147.5	27.78	4.907	17.61	15.26	21.17	22.97	5.908	7.713	1.8	20.89	0.698	894	0
15	2014	46	2100	0.937	3.164	1.004	127.3	119.7	163.4	56.53	6.37	51.17	15.76	18.9	22.98	3.139	7.22	4.08	19.65	0.477	894	0
15	2014	46	2115	0.538	1.602	1.041	341.3	116.9	215.3	81.1	15.55	56.71	14.91	17.37	22.75	2.452	7.84	5.38	20.74	0.363	894	0
15	2014	46	2130	0.926	2.008	1.352	52.71	108.4	199.5	39.89	14.56	37.4	13.78	17.1	22.25	3.324	8.47	5.15	22.85	0.329	894	0
15	2014	46	2145	0.483	2.444	1.755	99.4	126.3	243.6	71.97	11.53	16	13.64	17.32	22.31	3.684	8.67	4.99	23.19	0.344	894	0
15	2014	46	2200	0.538	2.266	2.443	165.4	136	245.7	97.3	9.36	12.9	12.88	17.02	22.06	4.141	9.18	5.04	24.72	0.428	894	0
15	2014	46	2215	0.643	1.876	3.675	152.3	161.4	242.7	24.19	8.72	6.805	12.65	16.66	21.72	4.006	9.07	5.06	25.01	0.534	894	0
15	2014	46	2230	0.497	1.796	3.976	160	170.6	232.9	58.43	8.7	10.6	11.5	16.56	21.16	5.062	9.65	4.6	27.55	0.551	894	0
15	2014	46	2245	1.058	2.121	2.434	70.47	145.5	226.6	32.42	12.64	9.91	10.1	16.71	20.92	6.612	10.82	4.21	31.79	0.517	894	0
15	2014	46	2300	0.655	3.228	2.917	140.2	155.5	221.8	78.62	4.555	9.32	11.68	17.88	21.19	6.199	9.52	3.31	27.18	0.714	893	0
15	2014	46	2315	0.49	2.272	3.452	79.48	156.9	239.7	90	8.11	6.488	12.35	16.87	21.41	4.528	9.06	4.54	25.78	0.671	893	0
15	2014	46	2330	1.166	0.94	4.006	22.76	158.4	273.4	13.87	17.04	11.54	10.34	17.77	21.45	7.429	11.1	3.68	29.43	0.415	893	0
15	2014	46	2345	1.249	0.771	3.688	49.79	147.5	289.5	45.82	32.16	9.86	9.37	18.96	21.24	9.59	11.87	2.28	32.25	0.484	893	0
15	2014	46	2400	0.844	1.248	1.718	53.56	160.2	274.9	21.89	26.6	16.13	8.16	19.19	20.09	11.02	11.92	0.9	35.95	0.362	893	0
15	2014	47	15	1.267	1.841	1.306	41.23	140.2	278.4	8.55	9.49	20.94	8.41	18.33	19.84	9.92	11.43	1.51	36.24	0.403	893	0
15	2014	47	30	1.279	0.958	1.711	31.89	149	294.6	10.39	25.05	13.47	8.06	18.43	19.89	10.37	11.83	1.46	36.52	0.421	893	0
15	2014	47	45	1.179	0.795	2.007	59.86	119.8	316.8	10.93	27.18	11.16	7.633	18.81	19.78	11.17	12.15	0.97	37.35	0.393	893	0
15	2014	47	100	0.991	0.84	2.395	54.39	73.18	319.4	22.16	28.48	5.241	7.99	19.03	20.26	11.04	12.27	1.23	36.37	0.401	893	0
15	2014	47	115	0.672	1.722	1.182	59.27	132.3	350.1	68.92	16.86	45.83	7.391	18.32	19.89	10.93	12.5	1.57	38.87	0.406	893	0
15	2014	47	130	1.468	2.431	0.813	34.94	120.3	66.07	9.64	11.42	34.51	7.486	16.73	19.28	9.25	11.79	2.55	38.57	0.374	893	0
15	2014	47	145	1.966	2.155	2.629	41.48	64.01	7.087	6.105	12.64	8.87	8.03	18.14	19.23	10.11	11.2	1.09	36.42	0.564	893	0
15	2014	47	200	1.977	3.656	3.998	39.55	40.54	8.15	5.38	2.917	11.79	8.4	16.7	19.25	8.3	10.85	2.55	34.92	0.682	893	0
15	2014	47	215	2.013	4.127	4.972	43.78	33.29	347.1	7.315	1.992	3.677	8.54	15.26	19.36	6.726	10.82	4.1	34.6	0.634	893	0
15	2014	47	230	1.996	4.564	6.381	36.98	15.63	345.1	15.6	10.2	12.96	9.2	15.59	19.33	6.392	10.13	3.74	33.72	0.836	893	0
15	2014	47	245	2.898	5.697	8.33	22.16	23.37	17.57	11.96	5.901	7.909	12.52	14.3	18.23	1.784	5.707	3.93	25.36	1.701	893	0
15	2014	47	300	2.09	4.642	6.91	35.42	37.44	17.07	10.23	5.271	2.83	11.38	13.52	18.89	2.146	7.514	5.37	27.04	0.695	893	0
15	2014	47	315	1.563	3.827	5.708	44.29	55.85	19.96	7.724	6.473	3.593	9.61	12.47	18.84	2.863	9.23	6.37	30.96	0.528	893	0
15	2014	47	330	1.022	2.665	4.357	31.35	76.36	25.21	37.26	8.33	5.531	9.84	11.98	18.6	2.141	8.76	6.62	30.9	0.452	893	0
15	2014	47	345	0.628	1.414	3.018	193.8	103.3	18.52	82.9	22.89	10.44	8.92	12.26	18.47	3.338	9.55	6.21	33.16	0.482	893	0
15	2014	47	400	0.783	2.373	1.771	79.91	110.8	27.87	43.15	12.37	11.84	8.57	10.83	17.98	2.256	9.41	7.15	33.11	0.309	893	0
15	2014	47	415	0.898	1.228	2.191	39.03	71.67	37.29	55.34	27.37	15.52	7.57	10.13	14.27	2.564	6.696	4.14	36.07	0.401	893	0
15	2014	47	430	1.116	1.342	1.198	357.8	31.13	32.15	83	84.5	52.83	6.461	8.57	11.35	2.109	4.885	2.78	39.76	0.309	893	0
15	2014	47	445	1.309	2.063	1.573	301.4	287.5	340.5	32.92	33.35	33.19	6.201	8.77	10.18	2.568	3.977	1.41	42	0.366	894	0
15	2014	47	500	1.071	2.376	2.498	18	353.2	37.45	15.07	8.17	9.06	4.684	7.425	9.27	2.741	4.59	1.84	48.8	0.296	894	0
15	2014	47	515	1.571	3.613	3.099	356.1	341.6	11.28	22.63	5.955	13.88	3.944	6.963	8.59	3.019	4.649	1.63	56.63	0.471	894	0
15	2014	47	530	2.13	4.814	4.999	348.3	351.1	10.23	11.13	9.78	7.25	4.964	7.072	8.05	2.108	3.086	0.98	62.12	0.911	894	0
15	2014	47	545	2.068	4.487	4.797	348.2	353.7	5.718	11.1	8.78	10.93	5.211	6.996	7.653	1.785	2.442	0.66	63.51	0.738	894	0
15	2014	47	600	1.713	3.741	5.377	346.6	346.2	354.8	14.15	7.139	6.059	5.08	6.287	7.485	1.207	2.405	1.2	64.47	0.736	894	0
15	2014	47	615	0.986	2.234	4.948	353.7	349.7	347.8	31.46	13.79	2.208	4.97	5.98	7.781	1.01	2.81	1.8	65.56	0.535	894	0
15	2014	47	630	0.905	1.741	3.725	321.3	318.7	320.9	39.97	22.12	12.55	4.159	5.203	6.746	1.044	2.587	1.54	68.04	2.606	895	0
15	2014	47	645	1.167	2.321	4.324	308.3	305.8	317	20.49	14.28	4.73	3.649	4.493	5.85	0.844	2.201	1.36	62.93	9.04	895	0
15	2014	47	700	1.691	3.226	5.945	325.8	323.2	320.2	11.32	6.608	1.595	3.562	4.012	6.126	0.45	2.564	2.11	61.59	37.42	895	0
15	2014	47	715	1.914	2.978	4.916	316.4	314.9	319.7	12.36	7.849	3.025	3.984	4.013	6.855	0.029	2.871	2.84	60.18	63.22	895	0
15	2014	47	730	1.85	2.833	5.085	320	315	319.2	14.51	9.32	3.547	4.386	4.353	6.221	-0.033	1.835	1.87	61.64	75.97	895	0
15	2014	47	745	2.649	3.624	4.883	323.8	321.8	326.5	9.38	6.664	3.95	5.422	5.171	6.066	-0.251	0.644	0.9	58.03	166.7	895	0
15	2014	47	800	3.294	4.676	6.038	325.6	324.4	323.1	10.17	6.931	4.384	5.759	5.508	5.164	-0.251	-0.595	-0.34	59.09	146.1	895	0
15	2014	47	815	2.928	3.85	4.287	333.9	333	337.9	10.95	8.28	9.42	6.312	5.881	5.467	-0.431	-0.845	-0.41	58.35	232.6	895	0
15	2014	47	830	2.586	3.448	3.912	345.9	346.6	350.5	16.82	11.74	11.67	8.07	7.19	6.618	-0.88	-1.451	-0.57	53.23	446.8	895	0
15	2014	47	845	2.933	3.802	3.946	347	345.3	345	17.3	13.33	12.36	9.66	8.71	8.11	-0.955	-1.547	-0.6	48.18	468.9	895	0
15	2014	47	900	2.307	2.97	3.3	345.8	343.7	348.3	20.86	16.54	13.31	10.69	9.81	9.1	-0.875	-1.589	-0.71	45.99	473.8	896	0
15	2014	47	915	1.988	2.498	2.818	336.3	337.3	343.5	22.28	19.53	15.08	11.59	10.8	10.1	-0.793	-1.486	-0.7	43.58	585	895	0
15	2014	47	930	1.942	2.408	2.348	332.2	330.2	324.5	32.22	26.47	26.5	12.26	11.51	11.04	-0.743	-1.215	-0.47	41.31	534.1	895	0
15	2014	47	945	2.492	2.673	2.658	310.2	307.9	310.3	20.55	17.55	12	12.92	12.4	11.76	-0.525	-1.165	-0.64	39.54	575.8	895	0
15	2014	47	1000	3.051	3.024	2.915	302.5	302.5	309	14.72	11.81	10.24	13.71	13.09	12.34	-0.627	-1.376	-0.75	37.17	549.9	895	0
15	2014	47	1015	2.945	3.146	3.013	297.2	295.7	298.6	15.58	12.47	10.4	14.14	13.33	12.61	-0.811	-1.523	-0.72	36.34	662.2	895	0
15	2014	47	1030	2.756	2.933	2.934	294.4	294.5	297.8	20.02	13.83	10.3	14.69	13.93	13.17	-0.753	-1.517	-0.76	34.76	743.2	895	0
15	2014	47	1045	2.826	3.083	2.979	297.1	297.4	300.6	19.54	15.71	14.12	15.31	14.45	13.73	-0.861	-1.578	-0.72	33.64	772	895	0
15	2014	47	1100	2.649	2.996	3.128	286.7	287.7	294	19.38	15.19	10.2	15.78	14.8	14.17	-0.976	-1.604	-0.63	32.49	799.6	895	0
15	2014	47	1115	2.224	2.519	2.778	286.2	288.9	286.5	26.6	21.51	14.46	16.59	15.81	15.12	-0.785	-1.471	-0.69	31.26	805	895	0
15	2014	47	1130	2.205	2.507	2.54	301	298	295.3	27.95	21.33	17.11	17.22	16.61	15.91	-0.612	-1.314	-0.7	29.8	775.2	894	0
15	2014	47	1145	2.436	2.864	2.739	274.7	278.9	290.8	22.68	17.74	12.53	18.32	17.42	16.96	-0.899	-1.36	-0.46	27.38	838	894	0
15	2014	47	1200	2.385	2.769	3.024	277.2	278	280.1	25.88	22.89	14.69	19.39	18.55	17.87	-0.84	-1.528	-0.68	24.43	886	894	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	47	1215	2.104	2.602	2.8	265.3	267.7	270.1	25.9	22.44	19.08	20.12	19.32	18.57	-0.808	-1.559	-0.75	22.5	810	893	0
15	2014	47	1230	2.371	2.8	2.928	258.1	260.8	268	27.89	23.28	17.59	20.4	19.52	18.9	-0.886	-1.506	-0.62	21.58	786.9	893	0
15	2014	47	1245	2.535	3.011	3.298	233.2	232.1	227.2	28.24	25.5	16.77	20.69	19.75	19.01	-0.936	-1.682	-0.74	21.46	869	893	0
15	2014	47	1300	2.594	3.202	3.42	224.7	225.2	227.6	21.02	13.48	10.95	21.05	19.91	19.2	-1.13	-1.85	-0.71	20.89	878	893	0
15	2014	47	1315	2.334	2.877	2.991	238.9	237.5	241.4	24.8	23.65	15.65	21.76	20.61	19.8	-1.158	-1.964	-0.81	19.29	812	892	0
15	2014	47	1330	2.395	3.019	3.113	235.4	233.3	232.8	24.98	21.03	16.11	22.26	21.07	20.18	-1.192	-2.085	-0.89	18.74	732.9	892	0
15	2014	47	1345	2.36	3.057	3.139	230.1	228.8	228	27.26	21.86	14.85	22.96	21.72	20.91	-1.241	-2.051	-0.81	18.04	804	892	0
15	2014	47	1400	2.43	3.022	3.389	208.7	205.6	205	24.17	18.17	12.32	23.62	22.52	21.68	-1.102	-1.937	-0.84	16.63	805	891	0
15	2014	47	1415	2.841	3.45	3.801	210.2	205.9	205.5	20.4	17.81	13.78	24.8	23.57	22.73	-1.227	-2.064	-0.84	14.27	760.9	891	0
15	2014	47	1430	2.685	3.296	3.598	197.6	196.5	195.9	20.46	15.7	13.08	25.46	24.34	23.49	-1.115	-1.969	-0.85	12.81	731.4	891	0
15	2014	47	1445	3.045	3.82	4.332	196.9	194.4	192.8	19.84	14.66	12.17	26.35	25.07	24.27	-1.274	-2.076	-0.8	10.94	689.3	891	0
15	2014	47	1500	2.648	3.388	3.729	191	190.2	190.7	18.52	14.83	13.56	26.37	25.45	24.73	-0.916	-1.631	-0.72	9.94	502	891	0
15	2014	47	1515	2.372	3.145	3.402	188.5	184.2	193.3	27.71	21.16	17.06	27.02	26.1	25.38	-0.918	-1.639	-0.72	8.47	535.6	891	0
15	2014	47	1530	2.771	3.763	4.071	254.6	251	247.9	19.65	16.97	15.45	27.2	26.31	25.65	-0.888	-1.544	-0.66	8.31	544.4	891	0
15	2014	47	1545	3.162	4.253	4.62	252.4	251.1	249.4	14.2	9.77	8.3	26.82	26.07	25.45	-0.753	-1.37	-0.62	9.61	405	891	0
15	2014	47	1600	2.181	3.054	3.655	253.1	251.6	251.3	21.46	18.43	13.67	26.38	26.03	25.5	-0.342	-0.873	-0.53	10.67	225.9	891	0
15	2014	47	1615	2.13	3.148	3.821	259	255.6	255.1	13.11	10.47	7.929	26.08	25.92	25.52	-0.154	-0.552	-0.4	10.71	181.4	891	0
15	2014	47	1630	2.306	3.349	4.789	228.3	227	226.8	14.24	13.54	9.01	25.81	25.84	25.6	0.029	-0.217	-0.24	10.77	151.9	891	0
15	2014	47	1645	2.095	3.247	5.18	232.5	230.2	227.2	10.69	9.03	5.306	25.5	25.72	25.77	0.222	0.271	0.05	10.63	127	891	0
15	2014	47	1700	2.272	3.381	5.041	234.3	234	229.5	10.5	8.12	6.406	25.4	25.78	25.83	0.383	0.439	0.05	9.99	92.8	891	0
15	2014	47	1715	2.051	3.354	5.625	226.3	226.7	216.8	9.87	7.332	4.571	24.38	25.14	25.73	0.766	1.355	0.59	10.52	57.65	891	0
15	2014	47	1730	1.44	3.054	5.429	220.2	224	215.8	6.836	4.558	3.656	22.55	24.52	25.51	1.977	2.966	0.99	12.38	26.74	891	0
15	2014	47	1745	1.921	3.446	5.274	226.4	230.7	222.4	10.93	8.07	5.24	22.51	24.31	24.93	1.794	2.421	0.62	12.38	5.762	891	0
15	2014	47	1800	1.534	2.89	5.503	217.5	226.7	215.9	8.71	6.518	6.452	21.56	23.24	24.42	1.675	2.857	1.18	12.83	1.199	891	0
15	2014	47	1815	0.993	2.408	6.448	208	218.8	220.3	10.91	5.189	5.065	20.24	22.04	24.77	1.794	4.531	2.73	14.34	0.613	891	0
15	2014	47	1830	1.475	2.855	6.441	206.4	217	218.3	16.22	11.28	5.853	19.78	22.3	24.89	2.515	5.108	2.59	14.78	0.761	892	0
15	2014	47	1845	1.052	2.263	5.976	218.9	208.4	218.8	15.28	9.1	5.067	19.41	21.18	23.86	1.77	4.448	2.68	15.62	0.606	892	0
15	2014	47	1900	1.073	2.034	5.57	177.3	197.1	225.6	15.74	6.381	3.444	19.04	20.73	23.54	1.683	4.5	2.81	15.91	0.666	892	0
15	2014	47	1915	1.086	2.149	6.378	157	193	232.2	19.14	13.78	5.264	17.75	20.3	23.82	2.55	6.072	3.52	17.57	0.653	892	0
15	2014	47	1930	1.742	3.405	7.57	198.8	221.5	238	9.34	6.561	3.348	18.36	21.22	24.24	2.859	5.878	3.02	16.53	1.032	892	0
15	2014	47	1945	1.871	3.886	7.194	206.4	228.6	236.1	10.05	7.247	3.407	18.31	21.63	24.17	3.325	5.857	2.54	15.79	1.022	892	0
15	2014	47	2000	2.011	3.879	6.458	211.2	227.2	235.7	10.24	6.54	3.201	18.92	21.53	23.76	2.606	4.834	2.23	14.07	1.031	892	0
15	2014	47	2015	2.02	3.911	5.993	207.8	226.9	240.5	7.12	4.666	2.829	18.11	21.72	23.44	3.608	5.325	1.72	14.45	0.788	892	0
15	2014	47	2030	1.567	3.114	5.689	184.1	211.7	236.5	6.839	5.235	4.298	17.14	20.89	23.17	3.753	6.031	2.28	15.07	0.615	892	0
15	2014	47	2045	1.329	2.769	5.816	180.3	208.8	229.9	4.077	3.977	2.033	17.25	20.51	23.29	3.263	6.043	2.78	14.74	0.596	892	0
15	2014	47	2100	0.832	2.515	5.661	166.9	213.9	233.6	20.66	13.68	4.843	16.88	20.68	23.18	3.796	6.3	2.5	14.97	0.787	893	0
15	2014	47	2115	1.243	2.772	5.623	195.7	224	228.6	29.86	12.89	9.64	17.89	21.43	22.85	3.538	4.954	1.42	13.88	0.941	893	0
15	2014	47	2130	0.843	1.941	4.84	193.4	214.7	221.5	27.57	6.158	3.73	18.18	20.69	21.97	2.501	3.791	1.28	12.88	0.832	893	0
15	2014	47	2145	1.306	2.383	5.108	174.8	205.5	221.2	13.02	4.883	3.632	16.62	20.65	21.61	4.022	4.983	0.96	14.62	0.562	893	0
15	2014	47	2200	1.825	3.401	5.784	194.5	207.2	227.9	6.107	3.611	4.37	15.39	20.18	21.03	4.792	5.644	0.85	17.26	0.666	893	0
15	2014	47	2215	1.362	3.175	5.836	212.9	218.6	240.3	5.574	6.923	4.895	15.98	19.6	21	3.616	5.021	1.4	17.21	0.863	893	0
15	2014	47	2230	1.776	3.526	6.446	193.5	222.4	242.8	7.627	6.746	4.397	15.36	19.49	21.24	4.137	5.885	1.75	17.15	0.868	893	0
15	2014	47	2245	1.081	2.92	5.511	199.6	228.8	247.7	21.11	7.733	6.232	15.65	19.37	20.97	3.716	5.317	1.6	17.1	0.767	893	0
15	2014	47	2300	0.625	2	4.622	164.7	225.9	249.1	26.47	9.24	6.538	15.7	18.93	20.58	3.234	4.884	1.65	16.57	0.646	893	0
15	2014	47	2315	1.093	1.673	4.624	138.2	206	249.9	13.22	9.3	6.084	14.88	18.73	20.54	3.856	5.665	1.81	17.53	0.768	893	0
15	2014	47	2330	1.27	2.248	5.292	170.8	216.4	255.6	12.79	9.96	5.937	14.63	19	20.64	4.37	6.019	1.64	18.55	0.679	893	0
15	2014	47	2345	2.122	3.671	6.07	206.7	219.7	253.5	16.8	14.65	6.382	15.39	18.99	20.48	3.594	5.089	1.49	17.36	1.131	893	0
15	2014	47	2400	1.436	2.885	6.126	238.7	245.5	259.7	17.12	10.36	5.771	17.58	19.06	20.07	1.481	2.495	1.01	13.73	1.19	893	0
15	2014	48	15	0.973	2.133	5.528	212.5	238.7	260.2	14.22	9.6	5.046	15.91	18.33	19.64	2.426	3.731	1.31	15.44	0.66	893	0
15	2014	48	30	0.456	1.585	5.355	119	244.7	264.1	44.47	11.9	4.545	13.36	17.9	19.47	4.543	6.107	1.57	18.94	0.524	893	0
15	2014	48	45	0.821	1.559	3.73	152.3	223.8	269.8	23.91	23.14	6.338	12.25	17.85	18.51	5.599	6.257	0.66	21.16	0.394	893	0
15	2014	48	100	1.368	1.25	1.754	76.74	142.6	303	25.78	34.21	40.68	10.6	17.43	17.85	6.829	7.248	0.42	24.59	0.318	894	0
15	2014	48	115	1.486	1.634	1.225	49.55	103.1	29.18	16.32	11.9	34.5	9.61	17.36	17.81	7.749	8.2	0.45	27.96	0.296	894	0
15	2014	48	130	1.69	2.562	2.658	43.26	58.35	9.09	20.08	24.59	18.76	10.12	17.51	17.87	7.394	7.752	0.36	25.84	0.479	894	0
15	2014	48	145	1.862	3.637	4.825	54.86	48.45	20.37	24.02	11.36	12.34	11.17	15.44	16.75	4.268	5.581	1.31	24.51	0.907	894	0
15	2014	48	200	1.619	3.223	5.387	59.11	47.48	12.68	19.89	10.8	13.01	12.91	14.37	16.11	1.461	3.196	1.74	20.45	0.994	894	0
15	2014	48	215	0.818	1.756	3.38	116.4	71.91	13.36	22.14	11.39	11.88	11.86	13.59	16.6	1.733	4.742	3.01	21.24	0.465	894	0
15	2014	48	230	1.338	3.014	3.323	64.13	58.12	15.51	16.05	9.96	8.45	10.97	16.27	17.2	5.304	6.231	0.93	23.37	0.525	894	0
15	2014	48	245	1.906	3.368	5.248	29.15	33.01	13.26	27.04	15.02	12.82	12.65	16.15	17.01	3.507	4.359	0.86	20.59	0.869	894	0
15	2014	48	300	2.98	5.725	11.1	25.68	20.92	357.9	17.48	14.48	12.3	12.55	14.31	18.37	1.758	5.82	4.06	20.34	1.161	895	0
15	2014	48	315	3.042	5.568	10.68	4.322	359	341.3	14.2	13.89	5.051	14.64	15.98	19.44	1.341	4.802	3.46	16.53	1.22	895	0
15	2014	48	330	1.8	3.739	7.834	37.56	18.19	346.1	15.13	9.06	3.965	12.72	15.37	18.02	2.644	5.292	2.65	18.36	0.668	895	0
15	2014	48	345	1.8	3.241	6.447	50.59	29.75	349.1	8.83	5.975	8.14	12.95	15.92	17.49	2.978	4.543	1.57	18.56	0.636	895	0
15	2014	48	400	2.1	3.7	5.955	30.43	21.08	0.235	16.49	10.57	13.02	13.7	15.61	16.21	1.908	2.505	0.6	17.17	0.763	895	0
15	2014	48	415	2.541	4.743	8.75	8.96	8.24	354.3	13.68	7.746	8.56	12.97	14.31	16.5	1.338	3.535	2.19	18.38	0.898	895	0
15	2014	48	430	2.528	5.312	9.93	4.363	1.856	351	11.97	14.59	1.088	11.7	13.31	17.27	1.606	5.566	3.96	21.24	0.843	895	0
15	2014	48	445	2.575	5.163	9.85	8.97	4.274	350.5	14.7	14.16	1.362	12.23	13.56	16.95	1.326	4.723	3.39	21.09	0.935	895	0
15	2014	48	500	2.077	4.099	9.34	8.67	4.088	346.4	13.59	11.58	2.458	12.3	13.4	16.04	1.093	3.737	2.64	21.22	0.888	895	0
15	2014	48	515	1.792	3.709	8.55	9.19	2.074	345.5	13.11	12.24	2.719	11.91	13.15	15.62	1.239	3.714	2.47	22.04	0.801	896	0
15	2014	48	530	1.681	3.752	7.121	29.36	17.62	354.5	10.22	8.02	9.93	11.39	12.98	14.72	1.585	3.33	1.74	23.15	0.731	896	0
15	2014	48	545	1.546	3.718	6.412	20.98	19.48	1.333	16.68	8.16	13.17	10.61	12.77	14.24	2.16	3.625	1.47	25.22	0.694	896	0
15	2014	48	600	1.7	4.058	7.342	351.3	355.4	348.7	12.58	8.94	2.52	11.14	13.12	15.16	1.979	4.02	2.04	24.91	0.792	896	0
15	2014	48	615	1.388	2.619	5.814	308.8	336.6	347.9	23.79	12.31	5.554	11.49	13.47	15.84	1.98	4.35	2.37	24.03	0.681	896	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	48	645	1.954	3.792	6.378	340.5	336.8	340.4	15.15	10.38	6.958	13.34	15.55	16.55	2.206	3.205	1	23.01	2.97	897	0
15	2014	48	700	1.47	3.074	5.324	347.3	338.4	337.3	16.28	8.85	7.396	14.5	15.87	16.58	1.367	2.076	0.71	20.57	10.52	897	0
15	2014	48	715	1.482	2.804	4.407	340.3	331.7	337.6	18.49	10.66	10.24	14.06	15.7	16.42	1.638	2.363	0.72	21.31	21.14	897	0
15	2014	48	730	0.92	1.632	2.573	212.8	304.9	331.2	95.7	76.76	16.39	13.2	14.68	15.87	1.485	2.668	1.19	22.6	36.91	898	0
15	2014	48	745	1.362	2.01	1.551	152.5	167	198.4	45.7	34.26	66.28	12.12	13.38	15.01	1.256	2.892	1.63	25.35	50.89	898	0
15	2014	48	800	0.811	0.891	1.988	356.1	2.937	353.6	80.4	53.74	28.87	13.35	15	15.55	1.654	2.197	0.55	22.82	71.53	898	0
15	2014	48	815	1.043	1.592	2.75	8.92	349.9	343	30.39	27.04	15.67	13.77	15.52	15.86	1.753	2.099	0.34	23.58	103.3	899	0
15	2014	48	830	0.982	1.749	2.603	359.9	353.1	356.1	24.4	13.04	15.46	15.12	15.87	15.9	0.756	0.78	0.03	21.87	132.2	899	0
15	2014	48	845	0.927	1.149	1.725	290.4	306.2	328.9	19.22	11.43	12.52	15.84	16.01	15.88	0.179	0.045	-0.13	20.91	164.9	899	0
15	2014	48	900	0.997	1.219	1.994	325.6	327.9	345.4	18.3	15	12.15	16.33	16.23	15.9	-0.1	-0.431	-0.33	19.37	195.4	899	0
15	2014	48	915	1.361	1.56	1.892	326.4	329.4	346.6	20.93	18.4	19.63	16.78	16.59	16.13	-0.185	-0.651	-0.46	18.45	226.3	899	0
15	2014	48	930	1.257	1.469	1.75	323.6	319.1	336	27.06	22.77	15.5	17.12	16.92	16.44	-0.203	-0.685	-0.48	18.05	305.8	900	0
15	2014	48	945	2.117	2.723	2.823	357.7	356.8	357.3	17.62	15.38	13.62	17.87	17.34	16.81	-0.526	-1.056	-0.53	17.1	340.9	900	0
15	2014	48	1000	1.964	2.609	2.88	9.58	11.15	13.11	20.13	17.34	14.31	18.29	17.66	17.08	-0.636	-1.211	-0.58	16.69	431.8	900	0
15	2014	48	1015	4.393	6.089	6.96	32.67	33.68	33.94	25.25	21.82	23.14	19.23	18.4	17.77	-0.825	-1.459	-0.63	15.96	560.4	900	0
15	2014	48	1030	6.082	8.42	9.87	55.98	54.68	57.15	13.96	9.38	6.864	19.91	18.8	17.81	-1.107	-2.096	-0.99	15.01	710.5	900	0
15	2014	48	1045	5.559	7.495	8.38	72.74	71.13	71.03	13.69	9.83	6.776	19.97	18.62	17.69	-1.351	-2.28	-0.93	15.11	792.6	900	0
15	2014	48	1100	4.947	6.61	7.149	87.1	86.2	85.7	15.49	12.43	11.49	19.87	18.38	17.61	-1.489	-2.267	-0.77	15.47	833	900	0
15	2014	48	1115	4.984	6.452	7.396	85.1	85.6	90.8	15.11	11.74	10.59	20.41	18.89	18.01	-1.521	-2.398	-0.88	15.37	875	900	0
15	2014	48	1130	4.542	6.088	6.96	108.2	106.6	106.5	18.79	14.84	11.9	21.09	19.48	18.52	-1.612	-2.573	-0.96	14.71	838	900	0
15	2014	48	1145	4.294	5.691	6.444	111.4	109	107.6	20.14	16.52	13.18	21.18	19.72	18.73	-1.454	-2.451	-0.99	14.73	798.5	900	0
15	2014	48	1200	4.386	5.616	6.143	119.2	114.7	111.9	22	19.57	16.22	21.29	19.74	18.79	-1.554	-2.501	-0.95	14.94	828	900	0
15	2014	48	1215	4.336	5.648	6.247	113.7	112	109.8	17.67	14.7	13.9	21.24	19.71	18.89	-1.528	-2.355	-0.82	15.17	843	899	0
15	2014	48	1230	4.06	5.454	6.359	127.6	124.7	121.5	20.4	16.83	13.97	21.51	19.9	18.93	-1.611	-2.585	-0.97	14.96	798.6	899	0
15	2014	48	1245	4.684	6.172	6.687	123.8	121.3	121.6	21.97	19.14	14.54	21.55	19.92	19.04	-1.625	-2.506	-0.88	14.95	822	899	0
15	2014	48	1300	3.857	5.005	5.538	121	119.1	121	22.34	18.88	16.81	21.53	20.04	19.16	-1.485	-2.362	-0.88	14.65	792.5	899	0
15	2014	48	1315	3.95	5.249	5.89	120.6	120.1	120.4	18.08	15	14.84	21.57	20.23	19.36	-1.338	-2.209	-0.87	14.66	630.4	898	0
15	2014	48	1330	4.061	5.53	6.28	113.9	113.4	117.1	20.35	16.89	14.65	21.43	20.04	19.28	-1.394	-2.155	-0.76	14.78	637.3	898	0
15	2014	48	1345	4.264	5.518	6.003	122.1	121.4	122.6	19.35	14.33	13.4	21.68	20.36	19.52	-1.316	-2.152	-0.84	14.52	684	898	0
15	2014	48	1400	4.065	5.415	6.036	131.1	129.5	131.2	25.48	21.3	18.95	21.49	20.25	19.51	-1.235	-1.973	-0.74	14.23	527.3	897	0
15	2014	48	1415	4.308	5.824	6.532	131.3	129.9	127	17.67	15.28	12.73	21.33	20.22	19.47	-1.111	-1.858	-0.75	14.53	501.5	897	0
15	2014	48	1430	4.335	5.936	6.597	132.9	131	130.9	13.98	11.37	7.75	21.16	20.18	19.46	-0.979	-1.699	-0.72	14.44	410.8	897	0
15	2014	48	1445	4.503	6.066	6.823	124.2	121.7	122.5	15.4	12.55	11.47	21.25	20.28	19.55	-0.971	-1.701	-0.73	14.79	445.8	897	0
15	2014	48	1500	4.8	6.395	7.326	124.3	123	124.3	16.15	12.05	7.935	21.49	20.34	19.63	-1.154	-1.868	-0.71	14.57	571.1	897	0
15	2014	48	1515	4.581	6.03	6.995	128.8	125.9	125	15.43	10.55	10.65	21.61	20.68	19.97	-0.926	-1.641	-0.71	14.39	453	897	0
15	2014	48	1530	4.796	6.877	7.95	122.4	120.6	121.5	14.16	10.03	7.601	21.27	20.49	19.79	-0.78	-1.476	-0.7	15.16	310.5	897	0
15	2014	48	1545	5.22	7.425	8.47	118.9	117.7	119	12.79	8.25	5.793	21.38	20.53	19.79	-0.859	-1.597	-0.74	15.41	399.9	897	0
15	2014	48	1600	5.275	7.529	8.7	127.9	124.2	126.5	13.69	10.31	8.86	21.37	20.54	19.81	-0.832	-1.564	-0.73	15.44	356.2	897	0
15	2014	48	1615	5.379	7.543	8.81	124	121.7	123.5	13.15	8.94	6.556	20.82	20.19	19.53	-0.629	-1.295	-0.66	16.12	311.1	897	0
15	2014	48	1630	4.81	6.965	8.06	133.9	131.9	130.6	14.21	10.26	8.28	20.55	20.08	19.47	-0.477	-1.081	-0.61	16.27	205.5	897	0
15	2014	48	1645	4.893	6.722	8.12	136.1	134.6	133.5	11.68	8.86	6.656	20.01	19.69	19.16	-0.316	-0.848	-0.53	17.08	175	897	0
15	2014	48	1700	4.856	6.871	8.23	131.1	130.8	131.6	12.59	8.57	4.81	19.75	19.51	19	-0.246	-0.75	-0.51	17.38	138	897	0
15	2014	48	1715	4.238	5.964	7.401	136.6	134.4	132.7	11.07	8.36	6.119	19.1	19.1	18.77	0.004	-0.33	-0.33	17.87	66.74	897	0
15	2014	48	1730	4.036	5.866	7.775	124.8	123.6	123.6	11.41	7.749	4.86	18.42	18.58	18.39	0.159	-0.035	-0.19	18.67	32.17	897	0
15	2014	48	1745	3.459	5.244	7.591	118.8	117.5	118.2	11.18	7.215	4.331	17.76	18.06	18.05	0.304	0.294	-0.01	19.52	8.24	897	0
15	2014	48	1800	3.261	5.082	7.562	118.2	115.4	116.1	10.85	6.919	4.319	16.98	17.41	17.51	0.424	0.523	0.1	20.41	1.536	897	0
15	2014	48	1815	3.29	5.028	7.844	108.5	107.7	110.7	10.44	6.014	3.309	16.2	16.59	16.81	0.392	0.615	0.22	20.96	0.79	897	0
15	2014	48	1830	3.429	5.34	8.28	108.4	107.8	108.8	11.06	6.773	3.12	15.6	15.96	16.19	0.359	0.588	0.23	21.36	0.929	897	0
15	2014	48	1845	3.501	5.359	8.39	107.2	106	108.4	11.38	6.864	3.306	15.17	15.54	15.82	0.372	0.65	0.28	21.33	0.923	898	0
15	2014	48	1900	3.509	5.453	8.65	110	109.6	110.1	10.72	6.581	3.245	14.75	15.18	15.52	0.431	0.769	0.34	21.28	0.938	898	0
15	2014	48	1915	3.601	5.68	8.83	110.3	109.1	111.6	11.79	6.717	3.327	14.39	14.85	15.18	0.458	0.795	0.33	21.75	0.911	898	0
15	2014	48	1930	4.033	6.024	9.44	108.4	106.9	109.3	10.54	6.663	3.245	14.19	14.55	14.89	0.363	0.694	0.34	22.31	1.085	898	0
15	2014	48	1945	4.379	6.481	9.96	106	105.6	108	10.87	7.046	3.383	14	14.32	14.6	0.311	0.597	0.28	22.57	1.067	898	0
15	2014	48	2000	4.436	6.467	10.13	108.8	107.5	109.3	11.36	6.868	3.327	13.66	13.95	14.25	0.287	0.589	0.3	22.81	1.135	898	0
15	2014	48	2015	4.315	6.527	10.37	109.3	108	110.1	11.28	6.917	2.949	13.18	13.5	13.97	0.322	0.784	0.47	23.39	1.046	898	0
15	2014	48	2030	4.826	7.284	11.42	111.7	111.1	113.7	11.37	6.59	2.568	13.17	13.5	14.13	0.325	0.957	0.63	23.31	1.202	897	0
15	2014	48	2045	4.674	6.991	10.66	116.1	114.3	115.4	11.58	7.294	3.524	13.26	13.61	14.07	0.348	0.81	0.46	22.9	1.09	897	0
15	2014	48	2100	4.733	7.099	10.66	120.1	117.8	119.7	10.39	7.14	3.909	13.36	13.69	13.99	0.335	0.632	0.3	22.34	1.162	897	0
15	2014	48	2115	4.571	6.92	10.44	127.4	125.6	125.9	10.85	7.128	4.28	13.11	13.42	13.67	0.311	0.562	0.25	22.64	1.094	897	0
15	2014	48	2130	4.403	6.61	10.16	126.3	125.9	127.9	10.79	7.188	4.08	13.1	13.49	13.86	0.386	0.754	0.37	23.06	1.085	897	0
15	2014	48	2145	4.347	6.456	9.71	127.1	125.6	127.7	10.95	7.303	4.399	13.21	13.6	13.88	0.395	0.675	0.28	22.73	1.013	897	0
15	2014	48	2200	4.731	7.101	10.55	132	130.6	131.3	11.1	7.363	3.934	13.13	13.5	13.8	0.377	0.675	0.3	22.29	1.085	897	0
15	2014	48	2215	4.673	6.86	10.54	137.9	135.5	134.9	9.77	6.618	3.396	12.78	13.15	13.57	0.368	0.791	0.42	22.29	0.992	897	0
15	2014	48	2230	4.14	6.266	9.98	139.9	138.2	137.2	10.75	7.135	3.43	12.34	12.72	13.21	0.382	0.867	0.49	22.69	1.002	897	0
15	2014	48	2245	4.104	6.129	10.12	137.8	135.6	135.8	10.88	6.777	3.657	11.85	12.2	12.84	0.342	0.991	0.64	23.52	0.924	897	0
15	2014	48	2300	4.213	6.353	10.29	134.3	132.2	134.3	10.95	6.632	3.569	11.79	12.15	12.78	0.362	0.992	0.63	23.42	1.015	897	0
15	2014	48	2315	4.329	6.493	10.23	138.4	137.5	139.5	11.3	7.401	4.451	12.3	12.73	13.21	0.422	0.902	0.48	22.3	1.1	897	0
15	2014	48	2330	4.305	6.387	9.89	141.7	139.8	139.7	11.68	7.444	4.361	12.68	13.06	13.35	0.375	0.662	0.29	21.22	1.073	897	0
15	2014	48	2345	3.329	5.136	8.13	137.6	137.2	137.5	12.09	7.836	4.396	12.32	12.8	13.14	0.481	0.823	0.34	21.82	0.868	897	0
15	2014	48	2400	3.45	5.05	8.21	140.1	138.6	136.9	11.08	8.33	4.219	12.16	12.58	12.98	0.415	0.814	0.4	22.09	0.782	897	0
15	2014	49	15	2.782	4.481	7.993	152	146.6	141.1	11.45	7.37	3.581	11.67	12.22	12.8	0.546	1.123	0.58	22.99	0.779	897	0
15	2014	49	30	2.385	4.034	7.472	159.6	150.7	142	10.67	6.596	3.134	10.97	11.71	12.6	0.734	1.634	0.89	24.26	0.755	896	0
15	2014	49	45	2.152	3.997	6.845	168.1	159.8	149.3	10.27	6.205	4.75	10.29	11.3	12.21	1.013	1.927	0.91	25.7	0.734	896	0
15	2014	49	100	1.58	3.135	5.865	163.7	159.9	154	8.08	4.889	4.514	9.37	10.89	11.86	1.521	2.498	0.97	27.16	0.551	896	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	49	115	0.82	2.529	5.242	179	160.9	149.5	55.86	8.52	4.367	8.22	10.52	11.74	2.3	3.517	1.22	29.42	0.494	896	0
15	2014	49	130	1.01	3.087	5.318	176.7	170.7	152.7	27.68	7.203	4.012	7.642	10.56	11.79	2.921	4.152	1.23	31.24	0.578	896	0
15	2014	49	145	1.146	3.178	5.966	176.6	165.3	155.3	12.81	4.358	3.722	7.764	10.26	11.86	2.492	4.095	1.6	30.79	0.712	896	0
15	2014	49	200	1.654	3.697	6.424	186.7	172.6	161	13.78	7.48	3.029	8	10.51	11.79	2.503	3.787	1.28	31.12	0.97	896	0
15	2014	49	215	1.542	3.596	6.165	197.6	178.7	163.4	9.61	4.261	3.356	7.518	10.19	11.52	2.673	4.001	1.33	31.9	0.846	895	0
15	2014	49	230	0.833	2.782	5.55	158.2	172.7	163.3	14.18	3.865	3.32	7.001	9.28	11.23	2.276	4.232	1.95	33.29	0.593	895	0
15	2014	49	245	0.925	1.833	4.598	96.4	156.8	156.3	41.78	15.2	5.91	6.656	9.34	10.9	2.689	4.247	1.56	33.35	0.539	895	0
15	2014	49	300	1.216	1.383	4.008	59.45	134.6	148.6	9.73	12.88	3.894	3.766	9.27	10.84	5.505	7.072	1.57	41.83	0.468	894	0
15	2014	49	315	1.141	2.603	5.394	108.8	147.8	152.6	47.12	4.004	3.674	3.871	9.02	11.09	5.144	7.216	2.07	43.21	0.609	894	0
15	2014	49	330	1.401	3.277	6.48	164	148.3	154.7	10.81	4.033	2.683	5.803	8.59	10.94	2.79	5.135	2.35	38.35	1.063	894	0
15	2014	49	345	0.449	1.503	5.904	246.1	144.7	145.7	39.58	13.3	3.141	6.236	8.25	10.61	2.009	4.374	2.36	37.63	0.801	894	0
15	2014	49	400	1.434	3.029	6.567	161	144.7	148.5	8.64	6.718	2.336	6.405	8.46	10.65	2.053	4.248	2.19	37.01	1.078	894	0
15	2014	49	415	1.223	2.709	6.674	177.6	154.5	149.7	15.14	8.92	2.329	7.233	8.6	10.44	1.368	3.209	1.84	35.28	1.05	894	0
15	2014	49	430	0.876	2.12	5.923	184	153	149.4	10.85	7.691	2.252	7.002	8.47	10.07	1.464	3.072	1.6	35.54	0.737	894	0
15	2014	49	445	1.196	2.441	5.869	153.8	146.3	153	10.85	5.876	2.39	6.957	8.4	10.08	1.442	3.122	1.68	35.33	0.768	893	0
15	2014	49	500	1.614	3.672	6.727	142.6	145.3	155.6	7.289	3.597	2.711	6.177	8.44	10.18	2.264	4.005	1.74	38.07	0.861	893	0
15	2014	49	515	1.734	3.848	7.073	140.5	144.8	153.8	8.56	3.831	2.901	6.983	8.67	10.34	1.688	3.353	1.67	37.44	1.002	893	0
15	2014	49	530	1.578	3.552	7	138.4	140.9	152	9.64	4.293	2.545	6.965	8.61	10.34	1.649	3.375	1.73	37.22	0.861	893	0
15	2014	49	545	2.075	4.263	7.488	150.2	149.2	155.3	9.35	4.443	2.632	7.555	9.06	10.48	1.504	2.921	1.42	36.26	0.855	893	0
15	2014	49	600	1.953	3.942	7.091	158	155.8	159.6	9.73	4.311	2.945	7.726	9.02	10.45	1.292	2.724	1.43	35.74	0.986	893	0
15	2014	49	615	1.325	3.404	6.747	152	153	161.3	12.73	5.851	2.747	7.198	8.85	10.41	1.649	3.212	1.56	37.08	0.618	893	0
15	2014	49	630	0.576	2.444	6.337	113.9	143.5	156.7	68.42	7.04	2.175	6.754	8.22	10.25	1.466	3.495	2.03	38.67	1.079	893	0
15	2014	49	645	0.818	2.686	6.23	79.34	140.8	155	50.11	5.211	2.365	6.181	8.14	10.37	1.96	4.191	2.23	40.22	6.399	893	0
15	2014	49	700	1.583	3.569	7.048	143	138.6	159.8	11.48	5.459	3.25	7.033	8.5	11.07	1.465	4.038	2.57	39.74	27.69	893	0
15	2014	49	715	1.168	2.56	6.498	144.1	137.1	161.3	15.68	7.972	2.625	8.08	8.54	11.09	0.458	3.007	2.55	37.13	86.3	893	0
15	2014	49	730	0.73	1.463	5.322	164.7	154.1	170.4	23.46	17.35	3.732	9.5	9.44	11.01	-0.058	1.506	1.57	34.24	139.8	894	0
15	2014	49	745	1.543	2.213	4.707	182.4	176.4	176.8	17.39	11.63	5.184	11.05	10.76	11.13	-0.293	0.074	0.37	31.45	197	894	0
15	2014	49	800	2.288	2.887	3.508	190.3	188.4	187.1	17.56	14.43	8.88	12.64	12.23	11.75	-0.413	-0.886	-0.48	27.91	254.4	894	0
15	2014	49	815	2.167	2.595	2.632	217.8	216.2	214.7	15.08	12.81	13.06	12.66	12.15	11.62	-0.506	-1.041	-0.53	27.15	313	894	0
15	2014	49	830	1.841	2.156	2.203	228.5	226.4	216.4	14.57	13.91	16.55	12.6	12.07	11.47	-0.531	-1.134	-0.6	27.23	372.8	894	0
15	2014	49	845	1.7	2.114	2.14	244.4	242.5	232.3	20.72	19.75	16.1	12.91	12.26	11.74	-0.644	-1.162	-0.52	26.94	444.9	894	0
15	2014	49	900	1.879	2.102	2.413	218.7	217.1	215	18.26	15.32	16.69	13.88	13.31	12.79	-0.566	-1.089	-0.52	25.44	467.8	894	0
15	2014	49	915	2.122	2.572	2.782	228.1	225.3	225.8	18.63	15.45	10.92	15.03	14.28	13.74	-0.744	-1.291	-0.54	23.64	468.2	894	0
15	2014	49	930	2.877	3.422	3.618	223.8	221.5	226	13.46	10.59	8.21	16.23	15.33	14.59	-0.892	-1.632	-0.74	22.01	569.6	894	0
15	2014	49	945	2.888	3.646	3.808	238.7	235.7	232.9	18.31	15.74	11.28	16.97	15.96	15.31	-1.005	-1.659	-0.65	20.7	609.3	894	0
15	2014	49	1000	2.064	2.725	2.942	257.4	253.2	255.5	19.08	15.48	13.5	17.48	16.57	15.84	-0.902	-1.641	-0.73	20.14	646.1	894	0
15	2014	49	1015	2.027	2.448	2.676	280.3	277.9	276.7	16.5	14.91	11.93	17.78	17.18	16.54	-0.605	-1.248	-0.64	19.6	681.7	894	0
15	2014	49	1030	2.042	2.224	2.311	282.1	279.8	280.7	30.11	26.7	23.52	18.44	17.88	17.16	-0.558	-1.275	-0.72	18.9	715.2	894	0
15	2014	49	1045	2.043	2.621	2.8	270.6	271.2	276.2	22.41	18.29	15.41	19.37	18.64	18	-0.731	-1.374	-0.64	17.57	747.1	894	0
15	2014	49	1100	2.262	2.925	2.95	264	264.4	268.1	21.07	16.81	14.66	20.58	19.55	18.87	-1.031	-1.705	-0.68	16.35	773.8	894	0
15	2014	49	1115	2.658	3.545	3.702	267	268.1	270.9	18.16	14.66	10.48	21.49	20.34	19.77	-1.146	-1.722	-0.57	15.09	795.8	893	0
15	2014	49	1130	3.008	3.594	3.611	312.1	310.5	311.4	25.71	22.08	24.13	22.4	21.41	20.82	-0.988	-1.58	-0.59	14.15	812	893	0
15	2014	49	1145	2.319	2.898	3.098	283.7	286.1	284	26.23	22.05	15.96	22.88	22.08	21.48	-0.803	-1.4	-0.6	13.59	828	893	0
15	2014	49	1200	3.378	3.678	4.082	296.5	294.7	292.8	17.68	14.55	14.76	24.19	23.28	22.29	-0.905	-1.891	-0.99	12.18	837	893	0
15	2014	49	1215	3.506	3.617	4.134	307.5	302.8	300.3	16.83	12.51	12.49	24.56	23.59	22.77	-0.964	-1.786	-0.82	11.59	841	893	0
15	2014	49	1230	3.065	3.648	3.768	313.2	311.5	306.1	26.98	24.72	20.48	25.24	24.26	23.44	-0.989	-1.803	-0.82	10.99	845	892	0
15	2014	49	1245	3.645	4.248	4.179	317.2	312.7	307.6	19.94	16.97	13.51	25.39	24.38	23.62	-1.01	-1.772	-0.76	10.61	841	892	0
15	2014	49	1300	3.728	4.21	4.355	298.5	296.2	296.6	20.42	16.29	14.15	26.01	25	24.26	-1.006	-1.748	-0.74	9.87	836	892	0
15	2014	49	1315	3.633	4.197	4.217	293	294.1	295.9	24.71	18.63	15.98	26.39	25.36	24.4	-1.023	-1.986	-0.96	9.21	822	891	0
15	2014	49	1330	3.407	4.196	4.848	289.7	286.5	286	23.94	21.88	16.8	26.57	25.51	24.52	-1.051	-2.044	-0.99	9.27	803	891	0
15	2014	49	1345	3.542	3.914	4.01	299.5	299.6	297.8	20.42	16.8	14.64	26.43	25.61	24.83	-0.823	-1.599	-0.78	9.12	773.6	891	0
15	2014	49	1400	3.578	4.055	4.033	316.6	313	311.7	18.97	17.82	17.74	26.65	25.69	24.9	-0.956	-1.749	-0.79	8.91	749.5	891	0
15	2014	49	1415	2.189	2.596	2.949	305.1	302.3	291.9	52.23	50.14	34.25	26.61	25.96	25.18	-0.653	-1.431	-0.78	8.98	726.3	891	0
15	2014	49	1430	3.881	4.568	5.243	318	316.4	317.8	19.07	17.68	15.36	27.15	26.19	25.29	-0.961	-1.857	-0.9	8.45	681.6	891	0
15	2014	49	1445	3.633	4.965	5.58	10.95	10.59	12.11	20.78	16.91	12.14	26.82	25.64	24.79	-1.181	-2.033	-0.85	8.77	637.8	890	0
15	2014	49	1500	2.817	3.624	4.06	18.39	19.42	16	24.11	16.17	15.71	26.9	25.87	24.97	-1.035	-1.937	-0.9	8.75	592.5	890	0
15	2014	49	1515	2.758	3.805	4.214	20.18	17.97	14.2	25.92	18.79	15.87	26.96	25.91	25.05	-1.046	-1.903	-0.86	8.82	552.3	890	0
15	2014	49	1530	2.195	2.869	3.105	22	28.19	22.26	33.09	28.42	20.06	26.5	25.65	25.04	-0.855	-1.466	-0.61	8.99	500.2	890	0
15	2014	49	1545	2.199	2.985	3.621	19.86	15.06	9.96	27.37	23.04	17.43	26.46	25.79	25.16	-0.674	-1.298	-0.63	8.97	443	890	0
15	2014	49	1600	3.079	4.027	4.328	13.87	12.38	11.76	17.36	12.91	12.97	26.48	25.82	25.2	-0.654	-1.274	-0.62	8.97	354.6	890	0
15	2014	49	1615	2.473	3.288	3.801	9.83	11.85	8.4	42.08	27.55	16.26	26.43	25.87	25.29	-0.563	-1.142	-0.58	8.81	347	890	0
15	2014	49	1630	2.272	3.119	3.218	11.85	12.4	11.02	19.81	13.7	12.6	26.17	25.72	25.09	-0.448	-1.074	-0.63	9.02	270.4	890	0
15	2014	49	1645	2.119	2.762	2.903	11.48	8.67	5.612	18.06	14.74	9.08	25.85	25.54	25.02	-0.306	-0.824	-0.52	9.26	207.1	890	0
15	2014	49	1700	1.798	2.847	3.268	33.66	31.46	29.67	12.76	8.16	6.778	25.21	25.27	24.91	0.063	-0.305	-0.36	9.68	120.4	890	0
15	2014	49	1715	1.68	2.522	2.789	40.9	39.1	37.32	11.69	7.666	5.209	24.73	25.05	24.76	0.322	0.031	-0.29	10.07	90.8	890	0
15	2014	49	1730	1.728	2.551	2.522	56.88	55.39	55.09	15.48	6.03	6.406	23.48	24.92	24.75	1.443	1.267	-0.17	11	44.67	890	0
15	2014	49	1745	1.296	2.094	2.403	46.08	28.45	35.27	23.63	9.49	4.387	20.94	24.22	24.58	3.273	3.636	0.36	13.13	7.445	891	0
15	2014	49	1800	1.363	1.514	1.487	85	56.42	61.72	13.38	19.44	17.39	18.73	24.24	24.55	5.519	5.82	0.31	15.1	0.681	891	0
15	2014	49	1815	1.121	1.361	1.571	350.7	136.8	101.2	65.28	66.4	42.78	15.98	22.24	24.03	6.251	8.05	1.79	18.45	0.169	891	0
15	2014	49	1830	1.077	1.46	2.521	90.9	208	228.5	79.8	34.92	31.26	15.94	21.83	23.65	5.893	7.713	1.82	19.31	0.317	891	0
15	2014	49	1845	1.007	1.365	3.888	45.01	255.7	276.8	55.47	41.62	13.79	14.84	20.8	23.61	5.961	8.77	2.81	20.54	0.403	891	0
15	2014	49	1900	1.101	3.087	5.62	293.8	282	288	67.45	8.49	6.866	15.31	21.52	23.34	6.201	8.03	1.82	19.66	0.932	891	0
15	2014	49	1915	1.465	2.381	3.765	336.4	303.2	300	45.04	7.753	5.141	17.37	21.19	24.05	3.816	6.677	2.86	14.78	1.083	891	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	49	1945	1.314	2.581	4.44	313.4	295.4	287.7	39.54	6.8	7.698	17.18	21.95	23.41	4.764	6.222	1.46	16.28	0.817	892	0
15	2014	49	2000	0.977	1.017	3.08	103.1	257.2	270.7	20.29	69.25	8.53	15.42	20.57	22.85	5.148	7.43	2.28	17.41	0.499	892	0
15	2014	49	2015	0.637	1.261	2.879	50.46	219.2	260.5	99.5	24.62	13.34	12.93	20.78	22.06	7.843	9.13	1.28	21.75	0.329	892	0
15	2014	49	2030	0.744	1.473	3.934	5.218	263.8	257.4	31.72	20.27	7.73	13.9	20.65	21.68	6.751	7.781	1.03	20.85	0.456	892	0
15	2014	49	2045	0.823	2.517	4.546	238.3	242.3	253.4	28.03	8.54	4.648	14.89	20.62	21.25	5.73	6.364	0.63	18.83	0.828	892	0
15	2014	49	2100	1.078	2.741	3.755	201.4	210.1	221.3	14.94	19.41	10.87	14.52	19.56	20.71	5.043	6.187	1.15	19.73	0.805	892	0
15	2014	49	2115	0.618	2.278	3.177	236.5	200.8	238.1	59.35	12.11	15.58	13.16	18.61	20.25	5.459	7.093	1.64	20.82	0.424	892	0
15	2014	49	2130	1.411	2.593	2.598	119.3	165.5	227.3	18.88	20.03	12.13	11.4	17.83	19.29	6.428	7.886	1.46	24.34	0.48	892	0
15	2014	49	2145	1.248	1.542	2.805	32.87	179.7	239.1	75.69	32.66	8.95	10.76	17.14	19.07	6.379	8.31	1.93	26.35	0.476	892	0
15	2014	49	2200	1.139	0.933	2.821	37.47	243.6	255.9	13.97	20.54	6.941	8.45	17.25	18.82	8.81	10.37	1.57	31.59	0.365	892	0
15	2014	49	2215	1.704	1.651	1.474	93.7	133.1	246	26.83	61.56	22.17	9.42	16.9	17.99	7.477	8.56	1.09	30.59	0.623	892	0
15	2014	49	2230	1.347	0.742	1.329	46.48	140.5	314.1	50.15	92.4	36.22	9.39	17.51	18.48	8.12	9.1	0.97	29.52	0.478	892	0
15	2014	49	2245	1.603	2.535	1.514	119.8	124.4	242.5	42.51	43.76	85.4	8.53	16.86	17.87	8.33	9.35	1.01	32.49	0.415	892	0
15	2014	49	2300	1.031	2.098	0.934	65.02	145.9	156.9	63.9	4.729	25.98	9.84	17.08	18.08	7.237	8.24	1	29.59	0.54	892	0
15	2014	49	2315	0.917	1.977	1.087	62.36	157.9	206.3	57.23	19.58	40.84	8.16	15.59	18.4	7.433	10.24	2.81	33.4	0.285	892	0
15	2014	49	2330	1.777	4.353	2.106	123.8	129	179.9	13.67	5.539	10.01	10.33	15.06	17.44	4.728	7.115	2.38	29.14	0.866	892	0
15	2014	49	2345	1.281	3.41	1.191	113	128	106.8	15	4.453	20.11	10.39	15.95	19.24	5.56	8.85	3.29	27.57	0.554	891	0
15	2014	49	2400	1.74	2.106	1.94	30.27	122.6	173.8	79.3	36.2	67.42	9.21	14.39	18.17	5.182	8.96	3.78	30.59	0.429	891	0
15	2014	50	15	1.598	1.766	1.885	60.67	131.1	107.6	67.22	57.57	25.29	11.52	15.13	18.46	3.609	6.933	3.33	25.34	1.079	891	0
15	2014	50	30	0.897	1.475	2.089	12.69	152.5	133.9	54.91	41.63	21.18	8.59	14.03	18.81	5.448	10.23	4.78	31.64	0.361	891	0
15	2014	50	45	1.397	2.65	2.897	75.73	126.3	124.2	29.71	11.18	18.09	7.669	15.31	19.07	7.644	11.4	3.76	34.65	0.405	891	0
15	2014	50	100	0.682	1.824	4.219	294.7	147.2	114.7	77.5	29.04	6.692	8.87	13.85	19.08	4.979	10.22	5.23	31.81	0.639	891	0
15	2014	50	115	1.314	1.7	4.556	203.7	168.4	125.4	18.92	20.67	16.54	10.74	13.55	18.82	2.803	8.07	5.27	27.75	1.256	891	0
15	2014	50	130	1.142	2.138	3.615	197.6	158.1	179.8	23.35	14.28	12.73	11.21	13.49	18.05	2.278	6.837	4.56	25.34	0.874	891	0
15	2014	50	145	0.69	2.198	3.862	151.3	161	208.4	87.4	9.41	7.28	9.17	13.21	17.82	4.041	8.66	4.61	29.74	0.434	891	0
15	2014	50	200	1.03	1.84	3.161	38.78	143.8	216.8	17.33	8.26	8.53	6.585	13.73	18.67	7.146	12.09	4.94	36.2	0.38	890	0
15	2014	50	215	0.987	1.857	2.838	44.87	149.6	232.3	25.41	8.81	9.44	6.393	13.13	17.68	6.738	11.29	4.55	37.49	0.445	890	0
15	2014	50	230	1.783	3.908	5.365	176.1	179.3	203.2	13.75	5.607	7.864	7.798	11.47	13.28	3.675	5.478	1.81	34.39	0.866	891	0
15	2014	50	245	0.879	2.335	4.601	95.3	155.9	206.9	46.04	15.03	7.272	8.01	10.93	13.48	2.923	5.476	2.55	32.37	0.675	891	0
15	2014	50	300	1.038	2.154	4.216	114.2	155.9	218.7	27.46	7.885	7.709	6.926	11.92	14.48	4.997	7.551	2.56	34.59	0.574	890	0
15	2014	50	315	1.184	1.676	3.977	75.08	131.4	227.1	8.53	16.87	3.811	7.418	12.59	18.21	5.176	10.79	5.62	34.68	0.572	890	0
15	2014	50	330	0.835	1.696	3.342	80.7	115.2	233	56.81	17.75	3.625	6.365	12.45	17.75	6.085	11.38	5.3	36.56	0.532	890	0
15	2014	50	345	1.615	1.978	1.911	43.95	116.4	229.5	10.24	10.34	8.3	5.101	13.49	16.27	8.39	11.17	2.78	41.78	0.366	890	0
15	2014	50	400	1.057	1.98	2.097	57.32	117.4	229.9	22.13	5.418	5.582	5.408	14.59	16.84	9.18	11.44	2.25	42.15	0.397	890	0
15	2014	50	415	1.1	1.864	2.454	33.64	121.1	232	26.27	7.612	7.155	5.707	14.27	17.11	8.56	11.4	2.84	40.98	0.511	890	0
15	2014	50	430	0.853	2.266	2.794	33.11	140.3	227.5	32.35	7.05	7.272	6.006	14.77	17.2	8.76	11.2	2.43	40.72	0.621	890	0
15	2014	50	445	0.871	3.047	3.754	142.8	148.2	212.9	48.13	5.861	6.451	7.1	15.5	17.43	8.4	10.33	1.93	37.75	0.709	889	0
15	2014	50	500	0.974	3.02	4.665	160.3	172.3	219.9	25.68	6.292	2.843	8.6	15.32	16.76	6.722	8.16	1.44	32.77	1.057	889	0
15	2014	50	515	1.458	2.967	4.204	131.8	162.1	211.4	7.918	9.23	5.443	9.21	15.35	16.6	6.141	7.386	1.25	30.42	1.006	889	0
15	2014	50	530	0.557	2.892	3.825	114.4	155.2	214.1	51.32	4.929	5.142	9.02	14.33	16.53	5.304	7.508	2.2	30.05	0.596	889	0
15	2014	50	545	0.826	1.607	3.361	333.5	147.4	223.9	30.65	68.22	5.229	7.344	12.22	16.08	4.873	8.74	3.86	34.29	0.431	889	0
15	2014	50	600	1.518	0.93	2.54	44.47	359.1	215.8	9.44	22.16	3.546	4.555	12.02	15.1	7.46	10.55	3.08	43.98	0.347	889	0
15	2014	50	615	1.57	1.149	2.545	50.44	49.29	219.1	9.77	14.52	3.968	4.423	12.67	15.4	8.25	10.98	2.73	45.04	0.476	889	0
15	2014	50	630	1.386	1.69	2.092	62.66	86	208.7	12.47	12.1	4.334	5.718	12.89	15.52	7.173	9.8	2.63	41.14	2.154	889	0
15	2014	50	645	0.993	1.924	1.951	67.89	119.6	217.4	27.6	14.97	3.62	7.002	13.61	15.78	6.604	8.77	2.17	37.24	11.51	889	0
15	2014	50	700	1.665	2.874	3.24	139.4	155.7	207.5	5.908	2.926	3.402	8.34	14.3	15.85	5.953	7.508	1.55	33.79	38.63	889	0
15	2014	50	715	0.606	2.601	3.279	159.4	147.3	203.5	26.77	4.27	1.893	10.27	12.45	15.47	2.179	5.198	3.02	28.91	58.18	889	0
15	2014	50	730	0.816	2.438	3.813	167.2	160.3	198.3	20.36	8.92	2.572	10.77	12.23	15.06	1.464	4.291	2.83	28.73	112.7	889	0
15	2014	50	745	1.034	2.19	3.649	210.8	195.3	203.1	29.59	11.14	3.447	13.12	13.48	15.07	0.352	1.948	1.59	25.43	180.5	890	0
15	2014	50	800	1.721	2.355	2.722	194.1	189.4	211.9	11.1	6.219	4.61	14.65	14.45	15.37	-0.203	0.722	0.92	20.75	152.9	890	0
15	2014	50	815	1.777	2.398	3.782	196.3	194.7	199.3	10.05	6.716	5.904	14.45	14.29	14.59	-0.159	0.136	0.3	20.9	147.2	890	0
15	2014	50	830	1.932	2.52	3.844	194	190.5	195.2	10.71	7.383	5.085	14.99	14.53	14.57	-0.457	-0.418	0.04	21.22	297.9	890	0
15	2014	50	845	2.553	3.252	3.806	198.3	198.5	204.2	15.5	10.45	10.17	16.65	15.75	15.15	-0.901	-1.499	-0.6	18.29	464.1	889	0
15	2014	50	900	3.108	3.945	4.299	206.4	206.3	212.4	12.37	9.24	8.26	17.48	16.45	15.85	-1.028	-1.631	-0.6	17.23	527.3	889	0
15	2014	50	915	3.467	4.744	5.224	225.5	222.6	223.7	13.75	10.88	10.3	18.85	17.77	17.03	-1.079	-1.822	-0.74	15.51	571.1	889	0
15	2014	50	930	2.887	3.998	4.232	253	253.1	253.7	17.29	14.25	11.75	18.95	17.94	17.21	-1.01	-1.743	-0.73	14.98	539.7	889	0
15	2014	50	945	2.764	3.51	3.475	251.8	251.2	249.4	17.28	13.64	9.32	18.53	17.45	16.79	-1.077	-1.741	-0.66	15.59	586.9	889	0
15	2014	50	1000	2.602	3.231	3.324	242.6	241.1	246.7	14.76	11.35	10.28	18.54	17.48	16.75	-1.063	-1.792	-0.73	16.02	647.6	889	0
15	2014	50	1015	2.676	3.145	3.244	236.8	236.2	239.9	19.87	17.59	11.71	18.88	17.84	17.09	-1.043	-1.793	-0.75	15.77	729.6	889	0
15	2014	50	1030	2.567	3.216	3.286	237.7	237.9	241	17.48	12.97	11.56	19.38	18.25	17.46	-1.126	-1.921	-0.79	15.25	730.9	889	0
15	2014	50	1045	2.808	3.418	3.486	218.5	220	225.1	17.05	13.57	11.29	19.64	18.44	17.59	-1.195	-2.05	-0.85	14.62	697	889	0
15	2014	50	1100	2.261	2.794	2.885	202.7	203.6	213.4	16.5	14.73	11.67	18.81	17.96	17.35	-0.85	-1.461	-0.61	15.19	386.6	889	0
15	2014	50	1115	2.006	2.375	2.499	217.3	215.4	222.8	18.27	12.64	9.44	18.74	18.1	17.53	-0.638	-1.217	-0.57	15.51	397.4	889	0
15	2014	50	1130	2.329	2.761	3.019	225.3	223.4	230.5	16.42	13.19	11.47	19.63	18.91	18.25	-0.714	-1.371	-0.66	14.69	461.9	888	0
15	2014	50	1145	2.07	2.664	2.824	239.5	238	239.6	20.94	17.86	12.65	20.59	19.78	19.06	-0.81	-1.525	-0.72	13.68	522.6	888	0
15	2014	50	1200	2.7	3.449	4.064	239.1	238.7	236.2	18.18	14.56	11.16	21.12	20.3	19.61	-0.822	-1.508	-0.69	12.98	493.3	888	0
15	2014	50	1215	2.637	3.233	3.373	237.3	235.7	237.2	16.68	13.51	10.88	21.42	20.59	20.02	-0.832	-1.404	-0.57	12.8	503	887	0
15	2014	50	1230	2.478	3.183	3.45	245	245.2	249	16.57	10.75	12.57	22.06	21.22	20.64	-0.835	-1.416	-0.58	12.54	505.7	887	0
15	2014	50	1245	3.687	5.072	6.186	252.7	253.2	258.4	13.11	11.68	9.54	23.15	22.28	21.56	-0.87	-1.588	-0.72	11.49	481.5	887	0
15	2014	50	1300	4.153	5.741	6.615	246.1	246.1	249.4	14.29	12.56	9.1	23.05	22.24	21.6	-0.818	-1.449	-0.64	11.08	442.8	886	0
15	2014	50	1315	3.497	4.363	5.125	221.1	221.7	223.4	19.59	14.11	12.41	23.43	22.5	21.72	-0.924	-1.708	-0.78	11.18	576.2	886	0
15	2014	50	1330	3.724	4.892	5.578	230.2	227.2	227	15.18	13.56	13.04	23.85	22.87	22.15	-0.985	-1.702	-0.72	10.94	508.9	886	0
15	2014	50	1345	5.079	7.261	8.78	248.8	249.1	252.2	15.58	13.08	10.64	24.39	23.71	23.07	-0.676	-1.313	-0.64	9.6	414.3	885	0
15	2014	50	1400	5.242	7.798	9.16	256.1	256.3	258.9	12.34	9.31	7.102	24.64	24.01	23.33	-0.636	-1.312	-0.68	8.84	418.1	885	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	50	1415	5.863	8.87	10.8	260.1	258.6	258.5	12.41	8.74	6.119	24.9	24.2	23.51	-0.703	-1.394	-0.69	8.31	458.7	885	0
15	2014	50	1430	5.852	8.82	10.64	258.7	257.9	259.2	12.48	9.29	6.597	24.74	24.24	23.63	-0.495	-1.105	-0.61	8.29	350.9	885	0
15	2014	50	1445	5.544	8	9.95	251	251.9	253.3	13.42	10.27	6.975	24.85	24.41	23.83	-0.441	-1.012	-0.58	7.811	360.9	885	0
15	2014	50	1500	5.631	8.76	10.53	263	262.5	263.6	12.76	9.03	6.528	24.97	24.51	23.91	-0.458	-1.061	-0.6	7.274	324.4	884	0
15	2014	50	1515	5.224	8.15	10.1	263.1	262.7	264.7	12.6	9	6.626	24.72	24.37	23.84	-0.342	-0.878	-0.53	7.274	282.3	884	0
15	2014	50	1530	5.054	8.06	10.03	263.2	263.4	264.9	11.59	8.71	6.452	24.75	24.44	23.91	-0.308	-0.836	-0.53	7.229	257.3	884	0
15	2014	50	1545	5.292	8.46	10.41	267.8	267.8	269.6	11.51	7.923	5.243	24.31	24.18	23.75	-0.134	-0.56	-0.43	7.474	169.6	884	0
15	2014	50	1600	5.172	8.42	10.63	268	267.9	268.7	10.78	7.494	5.225	24.01	23.93	23.56	-0.074	-0.446	-0.37	7.168	155.6	884	0
15	2014	50	1615	4.978	8.11	10.35	265.8	266.3	268.8	11.03	7.486	5.568	23.75	23.7	23.35	-0.044	-0.398	-0.35	7.069	141.5	884	0
15	2014	50	1630	5.252	8.36	10.86	264.9	265.5	265.4	11.86	8.2	6.367	23.49	23.51	23.24	0.024	-0.249	-0.27	7.3	113.1	884	0
15	2014	50	1645	5.749	8.63	10.96	258.9	258.5	259.6	11.44	8.02	5.829	23.35	23.44	23.2	0.084	-0.152	-0.24	7.113	87.2	884	0
15	2014	50	1700	4.578	6.656	9.63	247.8	248.6	253.1	11.12	9.01	6.206	22.81	22.98	22.85	0.176	0.048	-0.13	7.698	51.95	884	0
15	2014	50	1715	5.653	8.2	11.29	253.2	253	255.7	11.9	8.89	6.441	22.61	22.83	22.72	0.212	0.103	-0.11	8.04	34.66	884	0
15	2014	50	1730	5.719	8.21	11.08	246.5	247.3	250.6	11.32	8.64	5.736	22.33	22.56	22.47	0.223	0.133	-0.09	8.41	15.83	884	0
15	2014	50	1745	4.682	6.612	9.06	237.2	238.5	241.8	10.31	8.54	6.007	21.88	22.17	22.09	0.29	0.209	-0.08	9.35	4.137	884	0
15	2014	50	1800	4.275	5.898	8.16	232.6	235.2	240	12.2	9.66	7.922	21.59	21.93	21.92	0.336	0.325	-0.01	9.57	1.282	884	0
15	2014	50	1815	4.635	6.712	10.47	248.4	248.7	251.2	10.67	8.74	4.875	21.62	21.96	22.22	0.343	0.604	0.26	9.46	1.068	884	0
15	2014	50	1830	4.312	6.174	9.91	239	238.5	238.1	11.73	9.72	8.66	21.3	21.62	21.92	0.322	0.621	0.3	9.51	1.005	884	0
15	2014	50	1845	2.504	3.826	7.577	239.7	235.6	227.3	16.08	12.56	5.819	20.42	20.86	21.53	0.44	1.108	0.67	9.86	0.637	884	0
15	2014	50	1900	2.724	4.461	8.38	220.7	219.8	222.3	12.36	9.75	3.769	20.13	20.79	21.81	0.665	1.681	1.02	9.99	0.733	884	0
15	2014	50	1915	2.909	4.669	8.31	211.8	209.5	216.6	9.2	6.053	2.726	19.94	20.62	21.58	0.678	1.638	0.96	10.25	0.91	884	0
15	2014	50	1930	2.341	3.81	6.474	221.7	221.5	219.2	12.08	8.67	4.601	19.54	20.33	20.91	0.792	1.377	0.58	10.47	0.852	884	0
15	2014	50	1945	1.796	3.456	6.813	212.1	213.3	215.3	10.19	7.942	4.658	18.47	19.67	20.68	1.201	2.212	1.01	11.31	0.707	884	0
15	2014	50	2000	1.881	3.419	6.917	215.7	210.7	212.5	13.59	9.31	4.598	18.71	19.63	20.53	0.918	1.817	0.9	10.81	0.815	884	0
15	2014	50	2015	2.381	3.836	7.148	217.8	216	216.3	12.47	9.16	5.212	18.96	19.68	20.32	0.713	1.356	0.64	10.5	0.96	884	0
15	2014	50	2030	2.604	4.101	7.901	223.9	220.2	218	11.55	9.09	4.734	18.82	19.39	20.04	0.569	1.216	0.65	10.74	0.947	884	0
15	2014	50	2045	2.452	4.059	8.05	223.5	221.3	219.9	10.35	8.63	3.897	18.56	19.23	20.16	0.671	1.6	0.93	10.89	0.824	884	0
15	2014	50	2100	2.87	4.818	9.17	213.9	211.4	213.3	10.48	6.63	2.949	18.25	19.09	20.24	0.845	1.993	1.15	11.16	1.003	884	0
15	2014	50	2115	2.802	4.709	8.86	207.4	205.9	208.6	11.23	7.31	3.317	18.27	19.2	20.38	0.924	2.102	1.18	10.98	0.95	884	0
15	2014	50	2130	2.696	4.459	8.52	205	203.3	207.6	10.07	6.842	3.313	17.99	18.9	19.99	0.919	2.001	1.09	11.07	0.917	884	0
15	2014	50	2145	2.05	3.777	7.897	207.1	204.4	208.8	10.68	6.383	3.534	17.15	18.38	19.7	1.224	2.547	1.32	11.83	0.764	884	0
15	2014	50	2200	1.957	3.732	8.26	203.5	205	211.4	12.62	7.266	3.081	16.53	18	19.77	1.473	3.244	1.77	12.52	0.79	884	0
15	2014	50	2215	1.656	3.074	6.812	225.1	220.8	217.5	21.14	15.29	5.475	16.64	17.92	19.27	1.284	2.632	1.35	12.49	0.771	884	0
15	2014	50	2230	1.372	2.728	5.614	240.1	240	228.5	36.14	24.39	11.03	15.98	17.75	18.77	1.767	2.787	1.02	12.7	0.57	884	0
15	2014	50	2245	1.989	3.724	6.281	245.2	244	237.4	17.17	12.17	6.988	16.24	17.86	18.66	1.624	2.421	0.8	12.97	0.829	884	0
15	2014	50	2300	1.917	3.381	7.083	227.8	236	238.9	12.67	9.98	4.807	16.18	17.53	18.89	1.359	2.714	1.36	12.68	0.934	884	0
15	2014	50	2315	1.77	3.398	6.723	214.6	233.2	237.4	17.9	9.89	5.512	14.57	16.97	19.06	2.396	4.491	2.09	14.52	0.677	884	0
15	2014	50	2330	1.085	2.543	6.083	209.8	236.4	245.2	20.45	11.89	8.07	13.58	16.41	19.12	2.829	5.545	2.71	15.57	0.618	884	0
15	2014	50	2345	0.762	2.593	6.912	261.4	254.2	257.1	30.34	6.842	3.471	13.14	16.22	19.51	3.084	6.373	3.29	16.7	0.663	884	0
15	2014	50	2400	1.449	3.483	7.957	263.6	268.3	264.2	15.88	9.16	3.84	13.93	16.6	20.18	2.665	6.249	3.58	16.35	0.899	884	0
15	2014	51	15	2.043	4.29	7.189	261.6	266.7	262.2	14.42	8.79	4.971	16.13	18.23	20.24	2.092	4.105	2.01	14.02	1.112	884	0
15	2014	51	30	1.865	4.159	7.192	264.4	265.9	264.5	12.14	6.907	4.933	16.68	18.53	19.85	1.854	3.173	1.32	13.11	0.903	885	0
15	2014	51	45	2.213	4.073	7.198	265.6	265.8	267.7	11.17	8.53	6.15	17.06	18.2	19.05	1.144	1.996	0.85	13	0.988	885	0
15	2014	51	100	2.927	5.302	8.8	274.9	274.2	273.3	10.42	7.58	4.553	17.34	18.2	19.1	0.856	1.754	0.9	12.58	0.933	885	0
15	2014	51	115	3.469	5.909	9.63	276	276.1	277.3	10.17	7.534	4.982	17.6	18.31	18.99	0.707	1.384	0.68	11.96	0.949	885	0
15	2014	51	130	3.433	5.784	9.45	277.5	277.8	279.5	11.65	8.56	5.258	17.55	18.26	18.87	0.705	1.32	0.61	11.62	0.941	885	0
15	2014	51	145	3.999	6.794	10.7	270.5	270.4	272.8	11.26	7.462	4.735	17.65	18.26	18.89	0.617	1.246	0.63	11.37	1.083	885	0
15	2014	51	200	4.162	7.051	10.73	270.7	270.4	272.1	10.08	6.981	4.036	17.66	18.22	18.74	0.56	1.084	0.52	11.25	0.979	885	0
15	2014	51	215	4.02	6.901	10.73	270.3	270.2	271.1	10.58	7.409	4.577	17.54	18.07	18.59	0.533	1.052	0.52	11.33	1.016	885	0
15	2014	51	230	4.113	7.008	10.85	275.1	274.4	273.2	10.87	7.45	3.999	17.66	18.18	18.66	0.515	0.998	0.48	10.97	1.067	885	0
15	2014	51	245	3.324	5.582	9.44	280.3	278.9	275.6	10.59	7.052	3.771	16.78	17.44	18.27	0.659	1.487	0.83	11.9	0.8	886	0
15	2014	51	300	3.151	5.868	9.98	270.1	270	269	10.26	6.812	3.011	16.33	17.09	18.26	0.755	1.932	1.17	12.44	0.988	886	0
15	2014	51	315	3.356	6.159	10.09	270	269.1	268.2	9.92	6.602	3.503	16.34	17.09	18.14	0.743	1.797	1.05	12.65	0.935	886	0
15	2014	51	330	3.629	6.657	10.04	268.3	268.3	269.1	10.37	7.452	4.17	16.55	17.33	18.15	0.775	1.601	0.82	12.53	1.003	886	0
15	2014	51	345	3.791	6.535	9.46	265.9	264.2	265	11.42	7.738	4.886	16.68	17.4	18	0.712	1.316	0.6	12.05	0.868	886	0
15	2014	51	400	3.209	5.625	8.44	266.5	265.2	262.5	12.43	8.05	5.802	16.26	17.09	17.74	0.836	1.483	0.65	12.65	0.843	886	0
15	2014	51	415	3.263	5.834	8.36	265.7	265.1	266.7	10.85	8.1	7.679	16.33	17.22	17.83	0.895	1.503	0.61	12.46	0.759	887	0
15	2014	51	430	2.524	4.851	6.867	270.3	269.1	268.5	10.93	6.7	5.912	15.36	16.55	17.49	1.193	2.124	0.94	13.41	0.508	887	0
15	2014	51	445	2.782	5.023	7.1	269.5	267.3	269.5	12.27	9.49	8.85	15.43	16.51	17.23	1.074	1.799	0.72	13.52	0.76	887	0
15	2014	51	500	3.576	5.775	7.586	277.7	277.4	279.2	14.13	9.54	8.26	15.8	16.58	16.91	0.78	1.106	0.33	13.13	0.848	888	0
15	2014	51	515	2.979	4.609	6.439	282.5	283.7	285	14.26	11.17	9.31	15.09	15.94	16.35	0.857	1.259	0.41	14.08	0.646	888	0
15	2014	51	530	2.921	5.14	7.166	272	271.9	277.7	11.9	8.55	7.465	14.68	15.45	15.84	0.774	1.158	0.39	14.44	0.762	888	0
15	2014	51	545	2.992	4.967	6.6	316.6	312.5	310.2	32.76	29.63	25.99	13.5	14.47	14.91	0.965	1.407	0.44	15.84	0.559	889	0
15	2014	51	600	2.555	4.63	6.37	359.6	2.646	4.689	15.42	13.96	9.88	11.68	12.71	13.34	1.029	1.656	0.63	19.51	0.56	889	0
15	2014	51	615	2.752	4.794	7.598	356.4	358	359.3	14.29	13.97	11.97	10.69	11.54	12.24	0.846	1.542	0.7	24.1	0.664	890	0
15	2014	51	630	2.718	4.82	8.07	351.1	350.5	350.4	15	10.23	4.589	10.03	10.94	12.03	0.91	2.006	1.09	26.9	1.118	890	0
15	2014	51	645	2.226	4.089	7.04	349.1	347.6	347.9	12.45	8.67	4.843	9.71	10.66	11.48	0.947	1.773	0.82	28.09	7.202	890	0
15	2014	51	700	1.358	2.944	6.004	18.91	7.195	355.6	21.48	13.66	7.994	8.66	9.81	10.74	1.155	2.087	0.93	30.23	36.23	890	0
15	2014	51	715	1.419	2.4	3.941	77.8	51.35	6.045	11.46	12.36	12.87	8.34	9.52	9.95	1.179	1.611	0.43	31.75	87.7	890	0
15	2014	51	730	2.049	2.941	3.852	64.83	55.51	25.15	12.48	8.91	8.95	9.75	9.79	9.68	0.042	-0.074	-0.11	29.53	142.8	891	0
15	2014	51	745	3.06	4.408	6.035	20.3	19.66	10.69	24.3	18.91	14.95	11.09	10.89	10.6	-0.198	-0.488	-0.29	26.31	200.7	891	0
15	2014	51	800	4.853	6.967	8.69	2.319	1.562	0.724	17.66	15.85	15.38	12.43	12.16	11.69	-0.279	-0.744	-0.47	22.54	257.5	892	0
15	2014	51	815	6.407	9.22	11.11	3.653	2.505	3.216	17.57	17.83	15.59	13.03	12.65	12.08	-0.376	-0.95	-0.57	21.34	318	892	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	51	845	7.883	11.73	13.8	359.6	359.7	360	22.06	18.27	16.34	13.54	12.96	12.29	-0.584	-1.252	-0.67	21.58	431.2	892	0
15	2014	51	900	8.06	11.79	14	355.3	355.2	356.2	21.92	17.92	13.34	13.74	13.05	12.34	-0.689	-1.405	-0.71	21.39	483.6	893	0
15	2014	51	915	7.6	11.24	13.93	354.3	354	356.1	21.41	17.42	16.6	14.25	13.47	12.6	-0.782	-1.652	-0.87	20	533.3	893	0
15	2014	51	930	8.38	12.16	14.79	354.9	355.4	355.7	21.09	17.38	16.11	14.2	13.41	12.54	-0.798	-1.664	-0.87	19.67	579.9	893	0
15	2014	51	945	8.09	12.02	15.21	357.7	356.9	357.1	22.19	18.73	16.28	14.3	13.37	12.41	-0.931	-1.886	-0.96	19.25	623.5	893	0
15	2014	51	1000	8.38	12.35	14.96	352.9	353.3	355.1	20.85	15.76	13.79	14.39	13.4	12.44	-0.993	-1.956	-0.96	18.37	658.3	894	0
15	2014	51	1015	8.42	12.32	14.92	358	356.7	356.8	22.13	20.56	15.56	14.48	13.45	12.46	-1.035	-2.025	-0.99	17.19	695.2	894	0
15	2014	51	1030	8.02	11.64	13.84	353.9	353.7	353.6	21.76	20.15	14.3	14.86	13.8	12.84	-1.062	-2.024	-0.96	15.97	723.5	894	0
15	2014	51	1045	7.801	11.34	13.46	358.1	358.6	359.5	21.42	16.27	15.38	15.1	13.97	12.97	-1.127	-2.132	-1	15.06	750.8	894	0
15	2014	51	1100	7.874	11.35	13.76	354.1	353.8	355.5	19.97	17.11	13.02	15.3	14.14	13.05	-1.164	-2.253	-1.09	14.21	773.6	894	0
15	2014	51	1115	8.27	12	14.2	359.6	359.2	359.5	22.49	18.68	16.97	15.36	14.2	13.12	-1.162	-2.237	-1.08	13.51	796.5	894	0
15	2014	51	1130	8.71	12.57	15.03	349.2	349.8	350.1	20.19	16.29	11.33	15.6	14.41	13.32	-1.197	-2.288	-1.09	12.67	825	894	0
15	2014	51	1145	8.16	11.94	13.89	346.5	347.3	348.5	18.36	14.31	10.02	15.82	14.54	13.54	-1.28	-2.272	-1	11.91	838	894	0
15	2014	51	1200	8.62	12.25	14.4	354.9	354.6	354.3	21.78	16.92	15.2	15.93	14.67	13.62	-1.261	-2.319	-1.05	11.49	847	894	0
15	2014	51	1215	8.12	11.57	13.85	349.6	348.7	350.2	18.8	17.72	8.91	16.42	15.13	13.96	-1.284	-2.456	-1.17	10.41	850	894	0
15	2014	51	1230	7.441	10.79	12.93	353.2	353.3	354.3	21.93	18.1	13.99	16.83	15.44	14.28	-1.382	-2.544	-1.16	9.7	848	894	0
15	2014	51	1245	7.127	9.93	11.74	356.7	357.1	356.5	20.79	20.16	12.46	16.82	15.55	14.38	-1.266	-2.433	-1.17	9.17	845	894	0
15	2014	51	1300	6.771	9.73	11.53	354.1	354.8	354.9	20.87	18.54	15.59	17.21	15.88	14.73	-1.331	-2.477	-1.15	8.71	842	894	0
15	2014	51	1315	7.787	11.06	12.79	350.9	350.1	352	20.59	16.19	12.37	17.08	15.81	14.79	-1.267	-2.29	-1.02	8.22	834	894	0
15	2014	51	1330	7.001	9.94	11.79	341	341.3	345.4	18.21	15.59	12.51	17.47	16.16	15.08	-1.309	-2.392	-1.08	6.733	811	894	0
15	2014	51	1345	7.59	10.76	12.71	345.3	345.3	345.9	16.3	13.63	10.34	17.16	15.88	14.88	-1.282	-2.289	-1	6.464	784.1	894	0
15	2014	51	1400	7.236	10.33	12.11	349.7	349.8	350.4	19.17	13.33	12.06	17.29	16.06	15.07	-1.234	-2.219	-0.99	6.261	761	894	0
15	2014	51	1415	7.446	10.73	12.79	348.4	349.2	348.5	19.21	12.15	8.57	17.54	16.35	15.28	-1.186	-2.264	-1.07	5.65	727	894	0
15	2014	51	1430	7.323	10.27	12.33	349.6	349.2	349.1	17.24	14.79	12.15	17.4	16.32	15.25	-1.078	-2.152	-1.07	5.663	690.6	894	0
15	2014	51	1445	7.292	10.33	12.3	341.6	340.7	341.1	16.18	12.49	8.84	17.39	16.32	15.36	-1.074	-2.036	-0.96	5.373	649.7	894	0
15	2014	51	1500	6.905	9.87	11.77	340.1	340.4	341.8	15.16	10.74	9.09	17.5	16.51	15.52	-0.988	-1.986	-0.99	5.137	601.5	894	0
15	2014	51	1515	6.402	9.2	11.02	351	349.9	350.7	20.83	17.16	13.96	17.7	16.78	15.83	-0.922	-1.869	-0.95	5.155	555.5	894	0
15	2014	51	1530	6.49	9.41	10.77	344.8	343.7	342.7	15.79	13.01	10.27	17.36	16.46	15.74	-0.898	-1.622	-0.72	4.74	505.2	894	0
15	2014	51	1545	6.413	9.44	11.31	344.4	344.8	345.3	17.24	16.16	10.79	17.31	16.52	15.68	-0.789	-1.629	-0.84	4.709	453.4	894	0
15	2014	51	1600	6.177	8.83	10.44	343	341.8	343.7	15.97	11.63	8.33	17.12	16.42	15.66	-0.7	-1.464	-0.76	4.562	397.4	894	0
15	2014	51	1615	5.866	8.48	10.16	344.6	343.6	344.8	14.71	9.53	6.704	16.9	16.29	15.56	-0.607	-1.343	-0.73	4.536	342.7	894	0
15	2014	51	1630	5.241	7.783	9.63	348.3	347.3	348	18.49	14.37	7.728	16.74	16.24	15.56	-0.499	-1.183	-0.68	4.473	283	894	0
15	2014	51	1645	4.401	6.508	8.21	350.7	349.1	350.7	17.07	13.65	14.14	16.45	16.08	15.47	-0.379	-0.983	-0.61	4.544	219.9	894	0
15	2014	51	1700	3.933	5.758	7.492	356.6	357.8	357.8	19.02	16.24	10.97	15.94	15.74	15.25	-0.203	-0.693	-0.49	4.161	155.7	894	0
15	2014	51	1715	2.881	4.317	5.303	5.464	5.629	3.681	17.14	12.26	12.08	15.53	15.52	15.17	-0.005	-0.36	-0.35	4.134	101.5	895	0
15	2014	51	1730	1.914	2.949	4.223	22.13	20.71	14.6	17.14	11.21	9.12	14.69	14.99	14.83	0.297	0.134	-0.16	4.459	51.1	895	0
15	2014	51	1745	1.781	3.209	3.969	43.45	37.94	25.73	13.05	7.526	7.989	13.15	14.41	14.52	1.263	1.367	0.11	5.034	16.14	895	0
15	2014	51	1800	1.413	2.937	3.832	25.4	30.92	17.7	9.59	4.064	5.282	10.9	13.75	13.96	2.846	3.065	0.21	6.323	1.731	895	0
15	2014	51	1815	1.286	3.268	5.825	22.25	13.81	5.095	10.14	5.102	11.77	8.7	13.01	13.86	4.314	5.169	0.85	7.848	0.416	895	0
15	2014	51	1830	1.746	3.01	5.217	85.6	50.31	14.41	17.66	26.93	6.232	7.041	11.12	13.88	4.077	6.838	2.76	9.65	0.501	895	0
15	2014	51	1845	1.973	3.349	2.898	97.7	87.9	56.94	12.42	7.421	17.15	8.36	13.26	13.35	4.899	4.982	0.09	8.61	0.579	895	0
15	2014	51	1900	1.951	4.413	4.06	61.25	69.28	64.08	17.17	7.982	9.43	8.49	13.31	13.6	4.817	5.102	0.29	8.05	0.767	896	0
15	2014	51	1915	1.496	3.703	4.213	40.78	47.39	36.96	8.24	4.238	6.086	6.016	12.06	13.65	6.041	7.631	1.59	10.28	0.429	896	0
15	2014	51	1930	1.597	3.327	3.667	50.43	56.12	47.62	6.468	6.485	8.58	4.325	12.25	13.54	7.922	9.21	1.29	12.52	0.372	896	0
15	2014	51	1945	2.111	4.937	5.186	80.6	76.75	61.43	14.39	2.86	3.464	6.502	11.35	13.33	4.845	6.833	1.98	10.78	1.013	896	0
15	2014	51	2000	1.836	4.719	5.726	54.61	63.5	47.04	16.45	8.44	7.061	6.75	10.11	13.34	3.356	6.592	3.23	9.67	0.841	896	0
15	2014	51	2015	1.912	4.679	6.056	53.24	55.18	39.59	9.88	8.31	7.584	5.854	9.4	13.1	3.543	7.25	3.7	10.96	0.601	896	0
15	2014	51	2030	1.696	4.157	4.716	58.34	65.08	43.49	13.79	6.709	5.408	5.696	10.57	12.83	4.877	7.129	2.26	10.94	0.549	897	0
15	2014	51	2045	1.716	4.029	4.135	56.75	63.76	35.73	14.46	7.844	6.423	4.394	11.64	12.67	7.242	8.28	1.03	12.59	0.488	897	0
15	2014	51	2100	1.546	3.658	3.3	60.62	67.54	40.29	25.47	3.845	6.968	5.555	11.53	12.59	5.978	7.039	1.06	10.61	0.678	897	0
15	2014	51	2115	1.287	2.193	2.419	28.8	61.14	22.11	11.9	7.592	3.835	2.726	11.98	12.5	9.25	9.77	0.52	14.35	0.254	897	0
15	2014	51	2130	1.603	2.647	2.437	56.24	62.78	37.22	11.49	4.875	5.613	2.811	12.16	12.38	9.35	9.57	0.22	14.83	0.348	897	0
15	2014	51	2145	1.792	2.621	2.565	36.64	45.69	23.01	5.599	3.928	6.625	2.321	11.85	12.34	9.53	10.02	0.49	15.34	0.488	897	0
15	2014	51	2200	1.724	3.089	3.019	53.6	59.03	31.76	7.862	7.623	8.01	2.398	11.61	12.21	9.22	9.81	0.6	15.71	0.516	897	0
15	2014	51	2215	1.721	3.324	3.129	41.41	52.91	42.26	5.313	4.442	5.305	2.196	11.56	12.1	9.37	9.91	0.54	15.99	0.454	897	0
15	2014	51	2230	1.922	3.898	4.572	38.78	42.05	28.43	4.887	7.431	5.156	1.589	11.01	11.89	9.43	10.3	0.88	17.11	0.6	897	0
15	2014	51	2245	1.697	4.221	6.379	41.4	35.71	19.78	6.307	8.04	1.397	2.56	8.91	11.67	6.354	9.11	2.76	16.14	0.857	897	0
15	2014	51	2300	1.778	4.119	5.018	38.91	43.31	20.7	4.876	3.362	2.575	1.053	8.7	11.47	7.644	10.41	2.77	18.55	0.529	897	0
15	2014	51	2315	1.837	4.489	4.056	38.51	41.49	22.74	5.037	2.366	1.801	1.258	7.231	11.38	5.972	10.12	4.15	18.97	0.537	897	0
15	2014	51	2330	1.719	4.225	4.261	44.25	48.26	23.11	6.344	3.205	1.633	1.301	7.621	11.29	6.32	9.99	3.67	18.39	0.5	897	0
15	2014	51	2345	1.666	3.644	4.614	39.92	49.23	20.71	3.147	3.685	1.537	0.97	8.76	11.01	7.785	10.04	2.25	18.97	0.536	896	0
15	2014	51	2400	1.649	3.758	4.995	36.73	45.41	17.86	4.712	4.61	3.074	0.512	8.51	11.05	8	10.54	2.54	19.42	0.535	896	0
15	2014	52	15	1.348	3.292	4.132	42.34	50.55	15.12	4.129	10.15	2.478	-0.018	7.834	10.92	7.852	10.93	3.09	21.07	0.428	896	0
15	2014	52	30	0.969	2.98	3.007	27.79	64.72	23.24	5.742	5.308	2.379	-0.295	7.971	10.81	8.27	11.11	2.84	21.99	0.462	896	0
15	2014	52	45	1.252	2.629	2.603	32.37	56.86	20.82	10.54	3.697	1.832	-0.699	8.91	10.75	9.61	11.45	1.84	22.58	0.436	896	0
15	2014	52	100	1.124	2.352	2.873	35.79	62.2	20.57	7.02	6.721	1.87	-0.637	9.21	10.65	9.85	11.28	1.44	22.55	0.415	896	0
15	2014	52	115	1.401	2.467	3.327	44.11	73.8	23.18	9.29	9.87	2.822	-0.463	9.67	10.49	10.13	10.95	0.82	22.19	0.556	896	0
15	2014	52	130	0.835	2.425	1.65	246.4	115.3	84.2	80.7	17.88	45.56	-0.123	7.168	10.28	7.29	10.41	3.11	21.79	0.497	896	0
15	2014	52	145	0.521	1.841	1.577	13.42	137.4	176.5	54.48	8.59	18.92	-0.811	4.727	10.02	5.538	10.83	5.29	22.75	0.425	896	0
15	2014	52	200	0.783	2.773	2.497	96.4	126.7	167	55.87	12.37	14.92	-1.445	2.884	9.46	4.329	10.91	6.58	25.35	0.466	896	0
15	2014	52	215	0.621	2.798	2.462	98.2	120.1	153	95.1	10.58	14.13	-0.206	4.086	9.26	4.292	9.47	5.17	23.16	0.52	895	0
15	2014	52	230	0.634	2.019	3.414	249.5	143	190.4	69.55	7.221	7.53	0.864	4.535	7.901	3.671	7.037	3.37	20.28	0.74	895	0
15	2014	52	245	0.616	2.689	3.466	86.4	131.4	195.9	37.67	3.267	4.257	0.294	5.043	7.452	4.749	7.157	2.41	19.5	0.595	895	0
15	2014	52	300	0.677	2.509	3.089	55.18	134.8	205.7	18.53	3.794	5.842	-0.465	5.396	7.457	5.861	7.922	2.06	22.36	0.404	895	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	52	315	0.748	2.693	2.811	93	138.2	205	38.5	8.05	5.431	-0.435	6.103	7.524	6.538	7.959	1.42	21.99	0.417	895	0
15	2014	52	330	0.714	3.16	2.803	108.5	130.9	188.6	9.6	5.917	5.287	0.002	5.701	7.157	5.699	7.155	1.46	21.19	0.569	895	0
15	2014	52	345	1.041	3.201	2.667	119.1	130.2	190.2	7.477	3.504	4.858	0.793	5.31	7.3	4.517	6.507	1.99	19.54	0.832	895	0
15	2014	52	400	0.833	3.171	3.02	115.9	126.5	195.2	11.05	2.397	3.494	1.169	4.733	7.716	3.565	6.547	2.98	18.43	0.789	895	0
15	2014	52	415	0.554	2.904	3.553	117.9	127.4	190.7	14.83	3.462	4.048	1.339	4.165	7.976	2.826	6.638	3.81	19.06	0.653	895	0
15	2014	52	430	0.607	3.136	3.931	123.4	133.4	192.1	15.84	5.465	3.78	1.724	4.397	8.17	2.673	6.445	3.77	18.6	0.695	895	0
15	2014	52	445	0.839	3.16	3.943	122	131.7	191.1	14.8	4.655	3.199	1.843	5.027	8.35	3.183	6.505	3.32	18.32	0.738	895	0
15	2014	52	500	0.508	3	5.378	95.8	133.4	185.8	63.93	5.776	3.285	1.965	4.595	8.59	2.63	6.622	4	17.83	0.8	895	0
15	2014	52	515	0.725	3.387	5.75	132.1	134.5	189.1	35.85	3.74	2.782	1.869	4.855	9.13	2.986	7.266	4.28	19.42	0.733	895	0
15	2014	52	530	0.49	3.277	5.207	94.3	134.3	190.6	33.83	4.159	1.897	1.932	5.051	9.28	3.119	7.347	4.23	18.78	0.657	895	0
15	2014	52	545	0.566	2.657	4.894	61.71	127.9	191.6	30.17	5.575	3.731	2.146	4.386	8.86	2.241	6.71	4.47	17.89	0.669	895	0
15	2014	52	600	0.559	3.037	4.221	79.52	125.4	191.4	14.12	2.982	2.465	1.674	5.031	8.88	3.356	7.205	3.85	18.83	0.564	895	0
15	2014	52	615	0.919	3.347	3.456	90.8	125.2	180.1	13.64	2.33	6.374	1.069	6.293	8.45	5.224	7.386	2.16	20.32	0.611	895	0
15	2014	52	630	1.354	3.504	3.582	95.8	124.8	176.7	8.83	2.748	2.133	1.303	6.458	8.28	5.155	6.975	1.82	19.61	2.886	895	0
15	2014	52	645	0.735	3.427	4.289	59.92	120.4	168.8	19.67	3.588	2.783	0.139	5.292	8.12	5.152	7.985	2.83	21.82	12.04	895	0
15	2014	52	700	0.821	2.461	5.444	36.67	120.5	162.8	21.73	5.032	2.584	0.974	4.248	8.14	3.274	7.165	3.89	20.89	34.63	895	0
15	2014	52	715	1.106	2.992	6.228	111.3	127.7	160.7	21.76	4.486	4.279	2.984	4.821	8.14	1.837	5.152	3.32	17.95	70.55	895	0
15	2014	52	730	1.524	2.827	6.263	133.1	135.9	168.4	11.6	6.726	3.287	5.475	5.796	8.7	0.321	3.22	2.9	14.02	140.4	895	0
15	2014	52	745	1.726	2.668	5.537	143	141.9	167.7	11.51	6.834	3.02	6.753	6.681	8.35	-0.072	1.593	1.67	12.28	159.1	895	0
15	2014	52	800	1.933	2.775	5.065	143.9	142.9	164.6	11.41	7.87	3.562	7.947	7.789	8.6	-0.158	0.649	0.81	11.11	182	895	0
15	2014	52	815	1.711	2.268	4.176	154.6	154.6	167.6	11.86	8.72	4.198	8.82	8.47	8.66	-0.348	-0.164	0.19	10.62	236.4	896	0
15	2014	52	830	2.181	2.698	3.031	167.9	167.1	161.5	16.24	11.81	9.39	10.2	9.63	9.1	-0.57	-1.101	-0.53	8.99	346.9	896	0
15	2014	52	845	2.056	2.61	2.829	151.8	149.4	148.7	16.73	11.24	8.95	10.83	10.34	9.8	-0.488	-1.026	-0.54	8.24	256.4	895	0
15	2014	52	900	2.664	3.443	3.733	159.6	156.6	157.7	13.08	8.86	7.329	11.46	10.97	10.43	-0.485	-1.03	-0.54	7.324	271.3	895	0
15	2014	52	915	2.308	3.132	3.503	164.4	162.2	160.3	15.39	12.59	10.4	11.97	11.42	10.87	-0.549	-1.097	-0.55	6.723	266.2	895	0
15	2014	52	930	2.984	4.033	4.504	170.6	168.8	170.6	15.29	11.15	9.73	12.27	11.76	11.21	-0.511	-1.061	-0.55	6.324	270.7	895	0
15	2014	52	945	3.048	3.948	4.459	173.2	171.9	173.8	16.84	11.71	9.22	12.82	12.12	11.52	-0.694	-1.297	-0.6	6.074	346.7	895	0
15	2014	52	1000	3.405	4.683	5.519	188.6	186.7	190.3	15.61	11.48	8.43	13.62	12.93	12.25	-0.685	-1.368	-0.68	5.888	346.7	895	0
15	2014	52	1015	3.819	5.047	5.695	194.7	190.9	188.8	13.02	9.91	7.094	13.96	13.18	12.44	-0.782	-1.52	-0.74	5.568	403.9	895	0
15	2014	52	1030	4.198	5.581	6.167	194.6	193.6	193.7	12.88	8.41	6.321	13.93	13.09	12.44	-0.843	-1.493	-0.65	5.588	386.8	895	0
15	2014	52	1045	4.082	5.57	6.234	190.9	186.9	184.9	14.99	10.36	7.637	14.04	13.26	12.59	-0.783	-1.453	-0.67	5.731	354.9	895	0
15	2014	52	1100	3.536	4.661	5.385	177.8	176.3	177	18.61	14.99	10.66	14.43	13.61	12.91	-0.827	-1.522	-0.7	5.806	372.9	894	0
15	2014	52	1115	3.564	4.786	5.337	173.5	172.8	176.8	14.15	10.13	9.71	15.01	14.13	13.4	-0.885	-1.616	-0.73	5.69	418.2	894	0
15	2014	52	1130	4.049	5.312	5.774	196.4	193.4	195.1	15.21	11.02	8.72	15.55	14.44	13.73	-1.111	-1.818	-0.71	5.719	530.4	894	0
15	2014	52	1145	3.614	4.879	5.542	188.4	185.6	187.1	14.46	11.28	7.81	16.21	14.99	14.12	-1.22	-2.085	-0.87	5.747	610.1	894	0
15	2014	52	1200	3.767	4.821	5.263	189.8	190	192	15.31	11.47	8.39	16.36	15.16	14.38	-1.199	-1.979	-0.78	5.882	674.9	893	0
15	2014	52	1215	3.329	4.254	4.714	199.8	198.7	197.9	20.78	16.37	13.77	17.02	15.75	15.04	-1.266	-1.98	-0.71	5.764	732.1	893	0
15	2014	52	1230	3.531	4.467	4.847	192.8	190.6	193.2	21.46	18.05	13.8	17.84	16.28	15.49	-1.563	-2.355	-0.79	5.873	841	893	0
15	2014	52	1245	3.232	4.072	4.441	186.6	182.8	184.2	19.73	15.13	12.71	17.63	16.55	15.78	-1.086	-1.857	-0.77	6.203	599.7	892	0
15	2014	52	1300	2.407	3.023	3.46	155.7	156.9	159.4	25.62	18.97	23	18.37	17.41	16.69	-0.965	-1.683	-0.72	6.049	843	892	0
15	2014	52	1315	2.572	3.235	3.58	167.5	169.1	170.2	23.57	20.05	17.93	19.6	18.5	17.53	-1.104	-2.071	-0.97	5.775	839	891	0
15	2014	52	1330	1.998	2.374	2.978	204.6	186.4	189.2	62.77	52.24	35.09	19.97	19.09	18.27	-0.882	-1.698	-0.82	5.804	823	891	0
15	2014	52	1345	2.109	2.441	3.01	191.9	193.2	204.8	39.88	30.87	25.55	20.47	19.56	18.85	-0.911	-1.618	-0.71	5.991	798.1	891	0
15	2014	52	1400	2.897	3.677	4.004	224.4	221.3	221	30.93	25.1	17.9	20.96	19.97	19.27	-0.986	-1.692	-0.7	5.983	631	891	0
15	2014	52	1415	2.483	3.136	3.552	234.6	230.8	228.9	30.39	27.17	20.75	20.99	20.09	19.47	-0.898	-1.525	-0.62	5.99	536.3	891	0
15	2014	52	1430	2.308	2.837	3.333	188.2	188.5	196.1	28.93	23.32	21.3	20.96	20.15	19.54	-0.803	-1.411	-0.61	6.029	539.4	890	0
15	2014	52	1445	3.022	3.737	4.109	227	225.8	231.4	31.03	28.9	23.78	21.63	20.68	19.92	-0.952	-1.711	-0.76	5.909	604	890	0
15	2014	52	1500	2.558	3.113	3.528	209.2	210.7	218.7	23.7	23.08	21.33	21.94	21.08	20.23	-0.86	-1.701	-0.85	5.707	610.6	890	0
15	2014	52	1515	2.381	2.981	3.196	245.9	244.8	244.4	22.89	23.04	18.56	21.86	21.11	20.45	-0.753	-1.411	-0.66	5.668	586.6	890	0
15	2014	52	1530	2.707	3.473	3.781	225.2	224.3	227.6	30.1	25.21	20.72	21.82	21.1	20.47	-0.722	-1.355	-0.63	5.662	364.6	890	0
15	2014	52	1545	2.375	3.065	3.68	209.2	210.2	216.7	23.66	21.96	19.18	21.56	21.07	20.42	-0.491	-1.137	-0.65	5.743	264.4	890	0
15	2014	52	1600	1.52	1.871	1.975	244.5	245.6	250.5	26.64	22.29	15.61	21.56	21.11	20.54	-0.452	-1.016	-0.57	5.897	339.9	890	0
15	2014	52	1615	1.413	1.903	2.159	228.1	225.4	226.8	28.07	21.95	18.14	21.27	20.98	20.5	-0.291	-0.77	-0.48	6.103	170.6	890	0
15	2014	52	1630	1.194	1.627	1.999	228.7	228.8	221.9	23.86	19.92	16.04	21.04	20.9	20.5	-0.137	-0.539	-0.4	6.1	131.1	889	0
15	2014	52	1645	2.068	3.119	3.739	188.4	189	195.7	14.99	13.49	13.88	20.78	20.85	20.54	0.07	-0.239	-0.31	6.15	82	889	0
15	2014	52	1700	1.607	2.682	3.817	202.8	199.1	194.4	18.34	14.97	11.42	20.19	20.5	20.41	0.312	0.224	-0.09	6.627	61.31	889	0
15	2014	52	1715	1.451	2.922	4.136	167.5	171.1	179.9	12.38	6.523	12.41	19.37	20.13	20.29	0.756	0.924	0.16	7.351	41.28	889	0
15	2014	52	1730	1.414	2.831	4.481	142.1	150.6	154	17.96	10.65	4.13	18.2	19.5	19.9	1.3	1.703	0.4	8.32	23.21	889	0
15	2014	52	1745	1.175	2.305	3.569	169.8	168.4	168.5	47.06	25.49	15.89	17.69	18.95	19.71	1.264	2.019	0.76	9.13	5.366	890	0
15	2014	52	1800	1.627	2.725	3.592	196	184.3	175	27.36	13.49	9.8	17.63	18.97	19.38	1.331	1.751	0.41	9.26	0.967	890	0
15	2014	52	1815	1.219	2.233	3.74	180	168.2	170.8	29.77	17.21	14.67	17.3	18.31	19.43	1.006	2.129	1.12	9.63	0.488	890	0
15	2014	52	1830	0.992	2.388	3.437	135.3	142.7	175.4	19.87	11.45	9.89	16.33	17.78	19.52	1.448	3.192	1.74	10.16	0.471	890	0
15	2014	52	1845	1.2	2.688	4.07	169.5	145.4	180.1	24.5	8.69	8.54	15.31	16.9	19.23	1.588	3.922	2.33	11.68	0.602	890	0
15	2014	52	1900	1.268	2.905	4.826	159.6	146.4	180.8	26.17	10.07	5.12	14.92	16.47	19.28	1.548	4.359	2.81	12.22	0.493	890	0
15	2014	52	1915	1.399	2.852	5.373	185.5	167.4	192.2	26.26	10.1	6.634	14.97	16.18	19.18	1.207	4.216	3	12.28	0.659	890	0
15	2014	52	1930	1.216	3.137	5.719	189.5	171.2	205.1	38.75	12.03	5.936	14.89	16.25	19.03	1.355	4.134	2.78	12.37	0.804	890	0
15	2014	52	1945	1.01	2.604	6.01	208.9	187.5	207.4	11.81	6.741	3.997	14.94	16.11	18.66	1.174	3.725	2.55	12.19	0.812	890	0
15	2014	52	2000	1.133	2.459	5.195	199.7	181	215.6	11.68	5.87	7.526	15.18	16.12	18.07	0.944	2.891	1.95	11.89	0.84	891	0
15	2014	52	2015	0.803	2.071	4.105	193.8	182.1	235	13.21	5.307	7.955	14.77	16.08	17.34	1.312	2.574	1.26	12.17	0.526	891	0
15	2014	52	2030	0.669	1.389	2.919	145.3	188	249.9	34.08	9.79	7.34	13.96	16.23	16.66	2.275	2.702	0.43	12.75	0.298	891	0
15	2014	52	2045	1.536	1.531	1.864	124.8	158.8	250.3	7.933	14.42	16.76	13.09	16.29	16.87	3.196	3.776	0.58	13.46	0.346	891	0
15	2014	52	2100	1.724	2.802	1.64	91.6	111.9	146.4	21.74	16.41	64.78	11.79	15.87	16.54	4.075	4.748	0.67	15.52	0.366	891	0
15	2014	52	2115	1.577	3.898	2.381	108	113.3	135.9	11.09	5.772	7.845	12.01	15.02	16.93	3.007	4.917	1.91	16	0.614	891	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	52	2145	1.77	4.155	3.069	112.4	114.1	150.1	10.05	2.914	8.93	11.25	13.01	16.69	1.76	5.439	3.68	21.27	0.542	891	0
15	2014	52	2200	1.899	4.398	2.725	99.4	104	154.7	10.93	5.306	5.572	10.94	12.68	16.67	1.74	5.735	3.99	22.41	0.611	891	0
15	2014	52	2215	1.94	4.412	2.786	100.9	104.7	150.1	10.26	3.296	10.09	10.79	12.7	16.42	1.911	5.632	3.72	23.25	0.64	891	0
15	2014	52	2230	1.256	3.555	2.908	98.8	106.6	145	12.77	4.184	7.76	10.53	12.22	16.34	1.696	5.815	4.12	24.53	0.545	891	0
15	2014	52	2245	1.466	3.942	2.345	111.7	111.8	158.6	12.01	3.239	10.58	10.96	12.62	16.49	1.658	5.531	3.87	25.43	0.57	891	0
15	2014	52	2300	0.571	2.835	2.039	86.6	108.1	178.1	28.16	4.875	15.48	10.29	11.63	16.57	1.34	6.287	4.94	26.34	0.427	891	0
15	2014	52	2315	0.621	2.673	2.263	86.3	111.9	182.2	21.79	4.743	10.22	9.53	11.19	16.43	1.662	6.901	5.24	27.19	0.378	891	0
15	2014	52	2330	0.691	2.984	2.215	94.4	111.5	183.9	22.86	4.725	10.04	9.39	11.24	16.22	1.85	6.833	4.98	27.66	0.366	891	0
15	2014	52	2345	0.551	2.815	2.573	104.2	119.2	185.3	23.86	5.526	7.266	8.94	11.16	15.95	2.215	7.006	4.79	28.94	0.369	891	0
15	2014	52	2400	1.098	3.792	2.465	131.2	120	188.9	14.53	3.954	5.324	8.57	11.57	15.96	3.001	7.392	4.39	30.38	0.444	890	0
15	2014	53	15	0.873	3.159	3.41	147.2	124.9	180.3	15.14	4.145	8.63	9.13	11.37	15.5	2.245	6.37	4.13	29.01	0.684	890	0
15	2014	53	30	1.8	3.926	3.96	137.8	133.6	182.3	10.85	4.861	9.68	8.49	11.19	14.25	2.701	5.752	3.06	30.44	0.669	890	0
15	2014	53	45	1.513	4.14	3.03	128.3	130.8	189.2	10.79	4.962	4.813	8.03	11.64	14.22	3.607	6.19	2.58	30.63	0.508	890	0
15	2014	53	100	0.738	3.188	2.516	120.6	130.2	200.6	20.8	5.39	7.581	7.896	10.92	14.03	3.021	6.138	3.11	30.28	0.478	890	0
15	2014	53	115	0.69	2.9	1.932	82.8	131.3	223.2	31.92	2.946	20.78	7.49	12.05	14.39	4.563	6.905	2.34	30.8	0.36	890	0
15	2014	53	130	0.797	2.421	1.726	44.45	129.1	253.9	21.69	4.169	5.212	6.255	12.32	15.13	6.06	8.87	2.81	32.07	0.339	890	0
15	2014	53	145	0.641	2.184	2.127	72.15	130.7	267.2	43.21	5.541	11.37	5.745	13.44	15.37	7.691	9.62	1.93	33.24	0.398	890	0
15	2014	53	200	0.862	1.35	2.387	31.62	136.4	268.3	9.66	5.818	6.349	4.082	13.78	15.98	9.7	11.9	2.2	37.26	0.318	890	0
15	2014	53	215	0.634	2.658	1.863	40.21	137.8	243.4	39.14	7.403	7.774	4.531	11.74	14.97	7.208	10.43	3.23	35.62	0.361	890	0
15	2014	53	230	0.668	2.806	2.044	105.8	133.1	248.4	32.36	4.025	5.4	5.599	12.25	14.67	6.656	9.07	2.42	32.71	0.585	890	0
15	2014	53	245	1.101	3.631	3.509	158.1	146.9	210.2	16.7	4.3	15.01	5.592	10.43	13.98	4.84	8.39	3.55	33.9	0.757	890	0
15	2014	53	300	0.587	2.279	5.406	69.75	144.7	193.2	84.1	9.56	8.31	6.029	7.736	13.26	1.707	7.227	5.52	33.48	0.642	890	0
15	2014	53	315	0.711	1.625	4.11	91.2	151.7	206.8	23.66	11.13	8.74	5.757	7.461	10.96	1.705	5.199	3.5	31.25	0.668	890	0
15	2014	53	330	0.568	1.41	4.088	44.62	213	215.8	28.99	22.41	5.427	4.812	8.24	10.68	3.433	5.868	2.44	32.57	0.433	890	0
15	2014	53	345	0.794	1.391	3.162	107.5	190.6	215.2	26.52	13.9	5.277	3.645	8.64	10.57	4.995	6.922	1.93	35.26	0.357	890	0
15	2014	53	400	0.743	0.954	2.655	62.05	179.6	221.6	30.32	13.32	5.983	1.523	8.67	10.87	7.147	9.35	2.2	39.81	0.393	890	0
15	2014	53	415	0.79	1.04	2.207	58.75	201.3	228.3	29.03	12.7	7.295	0.697	8.84	11.88	8.14	11.19	3.04	44.03	0.395	890	0
15	2014	53	430	0.549	1.665	2.844	103.5	213.9	228.2	59.15	10.04	9.1	1.035	8.54	10.78	7.505	9.75	2.24	43.26	0.455	890	0
15	2014	53	445	0.806	1.623	2.727	47.27	210	238.4	22.24	9.36	5.472	0.451	8.08	9.42	7.624	8.97	1.34	45.05	0.49	890	0
15	2014	53	500	0.817	1.532	2.091	95.1	169.8	226.9	24.12	11.85	6.634	1.55	7.769	9.06	6.219	7.508	1.29	40.75	0.458	890	0
15	2014	53	515	0.898	1.898	1.307	81.8	152.7	219.5	37.22	8.03	20.52	1.459	8.3	9.1	6.842	7.643	0.8	43.4	0.414	890	0
15	2014	53	530	1.046	0.982	0.882	31.16	144.2	274.8	15.58	11.88	12.65	0.561	8.43	9.91	7.87	9.35	1.48	46.58	0.345	891	0
15	2014	53	545	1.243	0.584	1.775	24.81	238.2	282.3	7.414	49.21	9.73	0.534	8.07	9.36	7.537	8.83	1.29	47.43	0.349	891	0
15	2014	53	600	1.533	0.588	1.349	45.17	313.2	303.2	7.6	12.98	6.233	-0.047	7.795	8.85	7.842	8.9	1.06	48.38	0.355	891	0
15	2014	53	615	1.372	0.73	1.818	53.41	328.8	327.7	6.102	9.28	6.883	-1.117	7.599	9.61	8.72	10.73	2.01	52.29	0.321	891	0
15	2014	53	630	1.253	0.902	2.258	54.13	359.8	347.4	5.348	13.83	4.682	-1.433	7.226	10.1	8.66	11.53	2.87	53.58	1.082	891	0
15	2014	53	645	1.479	1.128	1.998	36.17	29.79	355.6	6.491	11.31	5.626	-1.051	6.97	9.5	8.02	10.55	2.53	53.48	9.12	891	0
15	2014	53	700	1.155	1.354	2.085	42.74	62.01	10.24	8.98	7.773	3.363	-0.5	7.101	9.21	7.601	9.71	2.11	52.7	39.75	891	0
15	2014	53	715	1.126	1.822	2.856	32.51	30.78	13.57	9.24	7.991	3.286	2.033	7.447	8.89	5.414	6.857	1.44	46.56	100.5	891	0
15	2014	53	730	0.678	1.42	2.058	5.15	9.11	16.4	21.9	20.72	6.681	5.083	6.365	8.22	1.282	3.138	1.86	38.74	155.5	891	0
15	2014	53	745	1.155	1.849	1.824	26.63	28.58	25.1	18.16	11.67	16.54	5.778	5.695	8.15	-0.084	2.371	2.46	33.87	116.7	892	0
15	2014	53	800	1.046	2.36	1.49	42.09	39.06	50.31	11.31	6.396	6.886	5.053	5.779	8.76	0.726	3.704	2.98	36.18	95.6	892	0
15	2014	53	815	0.702	1.539	0.745	61.96	60.08	42.45	24.52	9.38	35.37	6.236	6.48	9	0.244	2.768	2.52	34.82	183	892	0
15	2014	53	830	0.613	0.761	0.317	60.45	72.86	295.5	18.84	14.87	59.69	8.88	8.62	9.59	-0.26	0.711	0.97	29.1	274	892	0
15	2014	53	845	0.481	0.594	0.608	221.3	196.7	230.4	79.16	74.72	46.58	10.38	10.22	10.15	-0.162	-0.232	-0.07	24.48	376.7	892	0
15	2014	53	900	0.668	0.744	0.795	300	291.3	306.1	60.04	48.49	51.57	11.97	11.82	11.49	-0.146	-0.477	-0.33	18.04	509.4	892	0
15	2014	53	915	1.122	1.24	1.372	303.5	311.1	323	33.39	29.9	25.1	13.49	13.29	12.84	-0.203	-0.652	-0.45	16.2	557.5	892	0
15	2014	53	930	2.236	2.332	2.317	303.7	305.3	314.7	23.49	18.49	12.18	14.63	14.11	13.56	-0.517	-1.07	-0.55	14.53	599.8	892	0
15	2014	53	945	2.603	2.837	2.913	313.7	312.6	317.6	17.35	12.46	8.49	15.47	14.86	14.25	-0.613	-1.222	-0.61	13.22	636.9	892	0
15	2014	53	1000	2.655	3.351	3.386	330.1	329.3	326.1	16.83	13.11	10.17	16.55	15.71	15.17	-0.846	-1.38	-0.54	11.79	664	892	0
15	2014	53	1015	2.39	2.512	2.983	317	316.4	325.7	21.55	18.34	15.08	17.65	16.99	16.23	-0.662	-1.418	-0.76	10.17	709.5	892	0
15	2014	53	1030	2.435	2.752	2.602	303.1	301.4	311.7	24.81	23.35	18.24	18.39	17.68	17	-0.704	-1.386	-0.68	9.39	701.8	891	0
15	2014	53	1045	2.579	3.03	3.003	313.1	311.6	311.1	25.52	19.4	14.63	18.84	18	17.44	-0.846	-1.399	-0.56	8.61	728.9	891	0
15	2014	53	1100	2.193	2.395	2.632	288	289.5	294.1	29.84	25.24	17.01	19.07	18.48	17.86	-0.589	-1.202	-0.62	8.53	702.2	891	0
15	2014	53	1115	2.199	2.698	2.924	269.7	271.2	275.7	23.61	21.07	19.05	19.62	18.9	18.3	-0.72	-1.319	-0.6	8.27	741.7	891	0
15	2014	53	1130	2.113	2.639	2.769	260.7	264.6	262.9	23.07	21.55	18.87	20.08	19.3	18.67	-0.785	-1.409	-0.63	8.2	727.5	891	0
15	2014	53	1145	1.725	2.207	2.591	253.2	248.4	255.8	25.79	24.33	17.17	20.86	20.13	19.34	-0.739	-1.522	-0.79	7.894	763	890	0
15	2014	53	1200	2.64	3.33	3.801	243	246.2	252.3	18.47	15.93	11.91	21.59	20.54	19.57	-1.052	-2.025	-0.97	7.172	828	890	0
15	2014	53	1215	2.706	3.446	3.669	232	234.8	241.6	20.38	17.68	14.13	21.95	20.79	20.02	-1.156	-1.929	-0.77	6.845	798	890	0
15	2014	53	1230	2.63	3.315	3.821	227.7	226	228.2	22.2	16.26	12.21	22.41	21.21	20.21	-1.196	-2.199	-1	6.405	813	890	0
15	2014	53	1245	2.8	3.546	3.814	240	241.2	238.9	25.61	20.72	12.91	22.47	21.28	20.4	-1.185	-2.066	-0.88	6.183	873	889	0
15	2014	53	1300	3.065	3.925	4.407	243.1	245.6	247.2	17.76	15.79	12.45	22.86	21.69	20.84	-1.169	-2.015	-0.85	5.913	853	889	0
15	2014	53	1315	3.216	4.461	5.06	265.9	265.7	261.6	17.94	15.99	12.53	23.69	22.44	21.61	-1.246	-2.08	-0.83	5.628	848	889	0
15	2014	53	1330	3.895	5.489	6.483	251.4	251.3	253.4	18.45	15.78	14.43	24.54	23.13	22.23	-1.417	-2.312	-0.9	5.238	812	888	0
15	2014	53	1345	5.536	7.901	9.11	247.9	248.4	248.9	16.28	13.4	9.38	24.52	23.24	22.39	-1.273	-2.129	-0.85	4.611	728.7	888	0
15	2014	53	1400	5.003	6.762	7.822	242.6	242.9	240.7	20.19	17.94	14.28	24.5	23.29	22.44	-1.209	-2.059	-0.85	4.555	746.6	888	0
15	2014	53	1415	5.129	6.83	7.742	223.3	223.6	227.3	16.51	14.59	11.41	24.7	23.52	22.61	-1.18	-2.094	-0.91	4.42	675.5	888	0
15	2014	53	1430	4.662	6.293	7.475	233.9	234.4	236.8	16.6	15.31	12.81	24.47	23.48	22.67	-0.988	-1.807	-0.81	4.48	590.8	888	0
15	2014	53	1445	4.915	6.752	7.764	242	243.3	244.4	15.71	12.5	12.38	24.46	23.57	22.92	-0.895	-1.546	-0.65	4.163	549.6	887	0
15	2014	53	1500	5.481	7.866	9.19	257.6	258.9	262.2	18.62	15.77	13.48	25.29	24.35	23.5	-0.943	-1.794	-0.85	3.2	621.2	887	0
15	2014	53	1515	5.863	8.47	9.99	253.7	255.2	257.7	12.25	9.28	6.811	25.08	24.16	23.35	-0.917	-1.732	-0.81	3.215	526.8	887	0
15	2014	53	1530	5.178	7.769	9.45	257.1	257.2	257.2	12.94	10.25	8.18	24.52	23.94	23.28	-0.58	-1.243	-0.66	3.574	350.7	887	0
15	2014	53	1545	5.083	7.718	9.5	254.8	255.6	257.1	12.69	9.59	5.936	24.55	23.93	23.29	-0.62	-1.263	-0.64	3.718	396.1	887	0
15	2014	53	1600	4.693	6.72	8.33	252.3	253.3	254.8	13.23	10.94	9.42	24.75	24.24	23.59	-0.503	-1.156	-0.65	3.669	338.9	887	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	53	1615	5.348	7.381	9.17	241.7	242.8	243.6	12.96	11.51	9.93	24.66	24.19	23.63	-0.469	-1.034	-0.56	3.686	358.6	887	0
15	2014	53	1630	4.866	7.188	8.86	246.7	248	250.1	12.32	8.98	5.444	24.22	24.05	23.61	-0.172	-0.611	-0.44	3.701	196.1	887	0
15	2014	53	1645	3.704	5.472	7.106	245.1	246.3	248.4	13.22	9.51	6.697	23.37	23.54	23.3	0.171	-0.069	-0.24	4.145	108.3	887	0
15	2014	53	1700	3.313	4.781	6.597	243.3	243.3	247.5	11.95	8.48	6.008	23.04	23.18	22.97	0.149	-0.061	-0.21	4.259	122.4	887	0
15	2014	53	1715	3.281	4.666	6.04	231.7	230.9	233.6	15.57	12.71	11.64	22.84	22.97	22.73	0.129	-0.106	-0.24	4.751	105.1	887	0
15	2014	53	1730	3.127	4.703	6.481	221.1	222.6	230.6	10.8	8.36	8.45	21.97	22.38	22.44	0.415	0.471	0.06	4.812	62.75	887	0
15	2014	53	1745	2.532	3.78	6.141	230.8	233.4	238	11.81	9.75	6.921	21.19	21.83	22.01	0.635	0.817	0.18	5.307	18.62	888	0
15	2014	53	1800	2.351	3.96	6.106	250.6	249.2	246.2	17.76	12.35	8.58	19.97	21.02	21.42	1.051	1.447	0.4	6.19	1.9	888	0
15	2014	53	1815	2.967	4.546	6.828	233.6	237.2	241.2	12.26	8.93	5.54	19.86	20.6	20.87	0.746	1.007	0.27	6.234	0.663	888	0
15	2014	53	1830	3.467	5.038	7.855	237.6	239.3	240	10.85	8.28	6.114	19.28	19.86	20.21	0.581	0.926	0.35	6.842	0.84	888	0
15	2014	53	1845	4.075	5.959	9.23	242	242.1	240.9	10.7	7.252	3.93	19.1	19.61	20.23	0.509	1.13	0.62	6.837	1.074	888	0
15	2014	53	1900	2.979	4.581	7.843	243.3	241	239.4	12.04	9.06	5.586	18.36	19.04	19.73	0.681	1.374	0.69	7.214	0.637	889	0
15	2014	53	1915	2.536	4.157	7.371	238	238.6	238.4	11.76	9.06	5.952	17.63	18.5	19.17	0.868	1.545	0.67	7.627	0.788	889	0
15	2014	53	1930	2.378	4.273	8.05	252	244.9	241.1	12.61	8.26	4.035	16.66	17.77	18.95	1.118	2.299	1.18	8.34	0.708	889	0
15	2014	53	1945	2.926	4.735	8.56	248	242.5	240.5	11.5	8.11	4.183	16.7	17.63	18.82	0.934	2.125	1.19	8.35	0.973	889	0
15	2014	53	2000	2.335	4.147	8.19	252.7	247.6	242.8	11.67	8.52	2.859	15.86	16.94	18.65	1.079	2.79	1.71	9.02	0.684	889	0
15	2014	53	2015	2.512	4.328	7.951	250.7	243.6	239.8	11.85	8.59	4.609	16.01	17.17	18.55	1.156	2.534	1.38	8.66	0.79	889	0
15	2014	53	2030	2.038	3.575	7.218	216.3	231.2	238.3	17.68	9.83	4.941	15.05	16.81	18.2	1.762	3.152	1.39	9.01	0.702	890	0
15	2014	53	2045	1.809	3.508	7.212	198.8	227.5	236.5	14.43	9.61	3.367	13.84	16.38	18	2.54	4.154	1.62	10	0.648	890	0
15	2014	53	2100	1.609	2.97	6.684	177.8	222.6	238.5	18.96	11.81	3.173	13.96	16.16	17.83	2.2	3.873	1.67	9.88	0.739	890	0
15	2014	53	2115	1.548	2.045	5.403	145.7	196.2	235.6	8.97	14.28	2.951	13.22	15.98	17.71	2.766	4.492	1.73	10.27	0.61	890	0
15	2014	53	2130	1.616	1.663	2.136	55.78	111.8	233.5	23.97	44.42	32.77	10.37	15.57	16.71	5.203	6.334	1.14	13.19	0.292	890	0
15	2014	53	2145	1.009	0.955	0.967	46.87	97.6	248.8	27.28	32.86	25.52	8.73	16.39	16.56	7.661	7.822	0.17	16.22	0.224	890	0
15	2014	53	2200	0.81	0.651	2.408	33.3	164.3	262.8	20.93	14.59	9.12	7.289	16.43	17.25	9.15	9.96	0.82	18.16	0.4	890	0
15	2014	53	2215	1.058	1.052	1.737	75.14	126	264.5	42.73	15.31	22.36	6.192	16.39	17.1	10.2	10.9	0.71	20.77	0.295	890	0
15	2014	53	2230	1.013	2.349	2.027	102.6	149	202.6	43.61	7.098	10.84	7.672	16.18	16.85	8.51	9.17	0.67	18.55	0.452	890	0
15	2014	53	2245	1.129	3.159	3.22	142.7	152	210.6	19.77	6.449	8.59	8.79	16.01	17.17	7.22	8.38	1.16	16.23	0.832	890	0
15	2014	53	2300	1.013	3.329	4.474	173.7	170.2	229.4	22.38	7.619	7.166	9.71	15.62	17.94	5.919	8.24	2.32	15.37	0.976	890	0
15	2014	53	2315	0.811	2.712	5.059	191.3	196.8	231.4	20.32	10.11	5.995	10.89	15.47	18.16	4.582	7.264	2.69	13.59	0.966	890	0
15	2014	53	2330	0.724	1.919	4.999	90.8	185.1	232	42.14	9.82	4.323	9.06	14.24	17.64	5.178	8.57	3.4	15.25	0.708	890	0
15	2014	53	2345	1.246	1.081	3.994	36.98	241.7	237.1	15.63	100.3	5.43	7.104	13.24	16.71	6.136	9.6	3.47	19.28	0.455	890	0
15	2014	53	2400	0.948	1.096	4.269	110.8	180.7	235.3	26.67	57.01	6.018	7.309	15.04	16.78	7.734	9.47	1.74	19.02	0.581	890	0
15	2014	54	15	0.699	1.481	5.485	85	196.8	236.3	39.15	8.32	3.701	6.567	14.84	17.2	8.27	10.63	2.36	19.95	0.537	890	0
15	2014	54	30	1.569	0.896	4.753	35.93	247.2	244.2	9.95	24.73	2.902	6.087	14.83	17.12	8.74	11.04	2.29	21.51	0.607	890	0
15	2014	54	45	2.156	3.779	3.368	16.02	346.8	302.1	14.03	8.46	24.23	7.103	14.89	16.04	7.784	8.94	1.15	20.61	0.801	890	0
15	2014	54	100	1.607	3.191	2.696	35.13	336.3	306	10.67	13.96	8.08	7.124	15.05	16.09	7.927	8.97	1.04	19.57	0.626	890	0
15	2014	54	115	1.729	2.593	3.424	46.07	0.936	344.5	10	6.732	10.54	6.616	14.95	16.03	8.33	9.41	1.08	21.12	0.471	890	0
15	2014	54	130	0.921	2.006	3.31	41.23	16.09	337.3	14.68	7.742	11.14	7.238	13.72	16.28	6.48	9.04	2.56	19.63	0.44	891	0
15	2014	54	145	1.16	1.734	2.948	38.71	354.6	314.7	19.53	18.57	3.845	5.479	14.82	16.34	9.34	10.86	1.52	22.72	0.484	891	0
15	2014	54	200	0.916	1.277	2.473	33.45	328.9	312.3	46.87	8.13	3.124	4.922	15.06	16.38	10.14	11.46	1.32	24.72	0.41	891	0
15	2014	54	215	1.612	1.967	2.662	32.95	315.8	311	5.278	2.876	2.669	4.578	15.39	16.3	10.81	11.72	0.91	26.38	0.478	891	0
15	2014	54	230	1.325	1.826	3.593	32.24	324.5	317.4	5.196	4.755	4.223	6.078	15.19	16	9.12	9.92	0.81	24.07	0.539	891	0
15	2014	54	245	1.632	2.142	3.208	44.26	336.5	313	10.52	7.094	4.97	6.06	15.01	15.73	8.95	9.67	0.72	22.71	0.562	891	0
15	2014	54	300	1.786	4.03	5.335	12.53	348.5	322.6	18.36	8.66	7.852	7.085	14.53	15.54	7.446	8.46	1.01	21.9	1.116	891	0
15	2014	54	315	1.115	3.469	5.061	8.1	337.2	315.8	16.14	7.414	2.629	8.84	13.84	15.84	4.996	6.997	2	18.1	0.889	891	0
15	2014	54	330	2.04	4.665	6.656	14.43	358.5	331.1	9.11	8.13	6.655	8.71	13.25	15.12	4.544	6.418	1.87	18.61	0.995	891	0
15	2014	54	345	1.281	2.214	5.499	96	4.425	322.5	90.2	77.67	4.621	8.33	11.39	14.76	3.058	6.429	3.37	19.19	0.648	891	0
15	2014	54	400	1.024	0.897	3.784	139.9	170.2	338	65.85	78.88	17.9	7.612	11.45	13.23	3.838	5.62	1.78	20.82	0.501	891	0
15	2014	54	415	1.015	1.522	2.977	47.4	38.03	9.58	28.78	26.48	13.24	9.58	11.39	11.97	1.805	2.386	0.58	17.63	0.637	892	0
15	2014	54	430	1.358	2.172	3.292	107.8	86.6	355.2	74.3	63.74	54.06	7.702	10.41	12.01	2.708	4.306	1.6	21.08	0.426	892	0
15	2014	54	445	0.981	0.664	0.639	117.9	214.9	309.5	54.69	58.92	44.87	7.698	11.18	11.45	3.483	3.751	0.27	21.74	0.341	892	0
15	2014	54	500	1.18	0.645	0.839	55.76	115.3	360	18.2	29.14	23.09	6.12	11.22	11.56	5.103	5.443	0.34	24.84	0.239	892	0
15	2014	54	515	0.548	0.737	0.408	43.82	159.1	197.7	73.57	18.54	40.27	4.925	10.85	11.42	5.928	6.491	0.57	28.55	0.17	892	0
15	2014	54	530	0.709	0.9	0.961	61.9	170.2	142.4	42.04	13.5	24.53	3.397	11.05	11.64	7.653	8.24	0.59	31.07	0.258	892	0
15	2014	54	545	1.392	0.778	0.992	13.63	304.3	41.17	12.76	50.13	41.03	3.179	10.92	12.01	7.739	8.83	1.09	32.99	0.318	893	0
15	2014	54	600	0.822	1.848	1.922	17.91	322	4.543	40.1	9.42	10.72	3.527	11.12	12.03	7.588	8.5	0.91	32.02	0.498	893	0
15	2014	54	615	1.102	1.169	1.626	57.68	2.689	18.33	19.32	18.34	11.54	3.23	9.09	11.63	5.864	8.4	2.54	32.83	0.494	893	0
15	2014	54	630	1.305	0.81	1.302	1.951	6.427	15.54	53.44	34.47	30.9	1.864	8.85	11.36	6.982	9.49	2.51	38.22	1.081	893	0
15	2014	54	645	1.176	1.073	1.61	10.4	8.93	35.57	31.65	26.64	19.47	2.222	9.43	11.44	7.204	9.22	2.01	37.47	9.15	893	0
15	2014	54	700	1.184	1.419	1.351	27.67	2.421	12.73	32.36	16	17.28	2.618	9.43	11.16	6.816	8.55	1.73	35.74	39.21	893	0
15	2014	54	715	1.064	1.243	0.879	42.55	30.56	358.5	9.98	9.34	15.23	4.102	9.58	11.49	5.479	7.391	1.91	34.18	82.1	894	0
15	2014	54	730	0.716	1.011	1.678	19.42	60.47	4.139	53.88	17.6	15.46	6.605	9.84	12.25	3.232	5.647	2.41	28.99	98.8	894	0
15	2014	54	745	0.625	1.113	2.212	52.23	60.66	356.5	30.72	10.11	7.37	8.92	9.76	12.51	0.84	3.59	2.75	25.16	176.2	894	0
15	2014	54	800	0.57	0.68	1.499	108.3	119.5	0.738	44.51	41.98	14.83	11.52	11.33	12.25	-0.185	0.733	0.92	18.82	282.9	894	0
15	2014	54	815	0.859	0.961	1.621	278.9	290.1	335.4	54.62	62.5	21.47	13.29	13.16	12.77	-0.124	-0.52	-0.39	16.24	352.6	895	0
15	2014	54	830	1.553	1.962	1.908	339.6	342.6	353	20.51	16.76	13.99	14.55	14	13.48	-0.552	-1.066	-0.52	15.12	398.5	895	0
15	2014	54	845	1.244	1.559	1.73	348.1	351.6	356	34.83	22.65	17.37	15.36	14.81	14.21	-0.546	-1.151	-0.6	14.74	469.3	895	0
15	2014	54	900	1.335	1.447	1.22	323	323.6	331.2	29.06	27.65	31.53	16.06	15.72	15.21	-0.334	-0.848	-0.51	14.33	475.9	895	0
15	2014	54	915	1.771	1.97	1.638	300.9	302	317.5	29.4	24.01	24.26	16.73	16.28	15.86	-0.446	-0.87	-0.42	14.01	560.6	895	0
15	2014	54	930	1.404	1.84	1.79	308.6	307.8	311.4	41.7	35.11	28.61	17.55	16.99	16.57	-0.552	-0.979	-0.42	13.46	568.2	895	0
15	2014	54	945	1.743	2.05	1.889	278.9	281.5	293.5	23.14	15.54	16.14	18.01	17.53	17.11	-0.482	-0.906	-0.42	13.1	554.5	895	0
15	2014	54	1000	1.803	2.043	1.93	278.8	282.7	283.8	26.67	19.38	16.05	18.53	18.08	17.6	-0.448	-0.928	-0.48	12.69	638.7	895	0
15	2014	54	1015	1.358	1.38	1.345	320.3	316.5	309.9	48.67	41.17	41.4	19.32	18.71	18.33	-0.609	-0.989	-0.38	12.25	734	895	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	54	1045	2.022	2.407	2.304	276.7	278.5	293.3	39.54	37.77	22.92	20.65	19.62	19.29	-1.031	-1.366	-0.33	11.4	815	895	0
15	2014	54	1100	2.068	2.431	2.167	270.7	275.3	292.5	25.87	22.58	20.65	21.14	20.35	19.91	-0.791	-1.224	-0.44	11.05	797.9	895	0
15	2014	54	1115	1.9	2.065	2.148	284	283.8	297.3	37.65	24.58	23.29	21.35	20.74	20.28	-0.609	-1.071	-0.46	10.59	831	895	0
15	2014	54	1130	1.907	2.307	2.122	310.2	316.3	312.8	35.34	32.48	26.45	21.82	21.1	20.62	-0.721	-1.199	-0.48	10.32	789.2	895	0
15	2014	54	1145	1.933	2.022	1.847	319.3	321.4	312.6	47	38.79	31.75	21.74	21.11	20.59	-0.634	-1.151	-0.52	10.32	866	895	0
15	2014	54	1200	1.584	1.706	1.433	341.1	346.9	353.2	74.43	59.36	47.77	22.3	21.48	20.89	-0.824	-1.407	-0.59	9.96	893	895	0
15	2014	54	1215	1.897	2.245	2.12	5.389	0.772	1.689	40.95	35.98	38.66	22.68	21.83	21.03	-0.845	-1.654	-0.8	9.57	732.3	894	0
15	2014	54	1230	1.802	2.128	2.137	251.6	250	243.7	63.3	60.86	59.28	22.81	22.17	21.58	-0.637	-1.228	-0.59	9.29	585.5	894	0
15	2014	54	1245	2	2.327	2.285	200.8	202.1	214.9	56.68	56.23	57.4	22.63	21.76	21.11	-0.875	-1.527	-0.65	9.06	510.6	894	0
15	2014	54	1300	1.777	2.132	2.311	244.6	246.8	250.3	54.85	54.73	52.5	22.79	22.12	21.44	-0.669	-1.349	-0.68	8.77	528.9	894	0
15	2014	54	1315	1.769	2.198	2.582	247.9	241.3	239.5	34.91	35.8	19.16	22.65	21.98	21.37	-0.673	-1.282	-0.61	8.9	486.1	894	0
15	2014	54	1330	2.268	2.889	2.851	229	228.2	232.3	38.41	33.53	27.49	23.04	22.13	21.43	-0.911	-1.615	-0.7	8.58	611.9	893	0
15	2014	54	1345	1.716	1.831	2.132	184.9	194	232.1	70.87	73.19	53.12	23.01	22.48	21.95	-0.528	-1.055	-0.53	8.64	676.2	893	0
15	2014	54	1400	2.466	3.284	3.551	258.9	258.3	256.5	35.11	27.15	23.68	23.19	22.5	21.85	-0.692	-1.342	-0.65	8.3	379.7	893	0
15	2014	54	1415	2.404	3.341	3.555	275.5	274	273	21.65	15.53	11.47	23.18	22.57	21.94	-0.619	-1.242	-0.63	8.38	325.2	893	0
15	2014	54	1430	2.277	3.108	3.552	259.9	260.3	262	17.69	15.14	14.52	23.27	22.58	21.98	-0.697	-1.293	-0.6	8.56	311.1	893	0
15	2014	54	1445	3.424	4.535	5.096	242.8	245.1	248.1	15.53	13.04	10.43	23.41	22.61	21.92	-0.8	-1.487	-0.69	8.52	393.5	893	0
15	2014	54	1500	2.445	3.23	3.688	246.2	247.4	250.1	24.86	19.27	15.47	23.09	22.38	21.76	-0.708	-1.33	-0.62	8.15	416.5	893	0
15	2014	54	1515	1.969	2.289	2.57	282.4	280.8	282.7	25.7	24.27	18.93	23.1	22.58	21.97	-0.518	-1.136	-0.61	7.833	367.2	893	0
15	2014	54	1530	1.815	2.083	2.263	275.8	274.8	274.2	27.87	23.48	21.04	23	22.54	21.96	-0.451	-1.031	-0.58	7.987	388.9	893	0
15	2014	54	1545	1.168	1.434	1.58	292.3	292	307.6	43.94	31.78	34.26	22.75	22.5	22.02	-0.247	-0.732	-0.48	8.11	287.7	893	0
15	2014	54	1600	1.096	1.417	1.422	10.16	16.41	9.03	34.05	26.31	26.1	22.64	22.35	21.89	-0.287	-0.754	-0.46	8.23	217.5	893	0
15	2014	54	1615	0.65	0.743	0.717	153.2	220.3	249	86	95.2	80.9	22.71	22.51	22.12	-0.199	-0.59	-0.39	8.22	315.6	892	0
15	2014	54	1630	0.99	0.999	0.924	343.5	352.8	35.56	62.49	38.48	48.98	22.79	22.65	22.13	-0.145	-0.664	-0.52	8.16	257.9	892	0
15	2014	54	1645	0.745	0.943	0.984	332.4	355.4	9.21	47.1	31.76	27.45	22.81	22.71	22.15	-0.102	-0.657	-0.56	8.23	204.2	893	0
15	2014	54	1700	0.844	1.08	1.129	28.76	31.55	36.46	18.02	12.99	12.98	22.74	22.55	22.11	-0.183	-0.627	-0.44	8.39	151.4	893	0
15	2014	54	1715	0.732	0.999	1.096	358	4.984	16.63	25.19	20.93	27.22	22.31	22.5	22.12	0.183	-0.199	-0.38	8.7	81.9	893	0
15	2014	54	1730	0.861	0.925	1.146	43.09	37.51	53.21	19.92	12.71	9.12	21.52	22.26	22.07	0.743	0.553	-0.19	9.22	37.89	893	0
15	2014	54	1745	1.15	1.151	1.251	43.03	54.58	71.07	5.531	4.877	11.15	19.47	22.16	22.07	2.686	2.597	-0.09	10.85	12.66	893	0
15	2014	54	1800	0.98	1.463	1.459	80.3	83.5	97.7	14.84	13.77	7.283	17.12	22.03	22.04	4.908	4.92	0.01	13.54	1.057	893	0
15	2014	54	1815	1.624	2.175	2.195	95.2	97.7	104.8	4.954	2.634	3.184	17.46	21.98	21.97	4.523	4.515	-0.01	13.24	0.419	893	0
15	2014	54	1830	1.418	2.673	2.711	99	102.8	122.1	15.57	6.041	13.88	17.33	21.93	22.14	4.598	4.812	0.21	13.05	0.546	893	0
15	2014	54	1845	1.67	3.452	3.245	101.7	109.4	123.6	8.75	5.66	4.184	17.16	21.27	21.91	4.115	4.754	0.64	13.52	0.643	893	0
15	2014	54	1900	1.774	4.167	4.709	116.4	121.7	138.1	8.64	2.86	7.928	16.87	19.36	21.56	2.484	4.688	2.2	14.06	0.68	894	0
15	2014	54	1915	1.543	3.825	4.288	124.2	128.2	147.9	8.7	3.279	4.089	16.83	18.68	21.63	1.858	4.8	2.95	13.91	0.597	894	0
15	2014	54	1930	1.839	3.98	6.917	124.5	126.4	147	9.68	5.013	4.057	16.92	18.18	20.85	1.261	3.932	2.67	13.78	0.96	894	0
15	2014	54	1945	2.096	4.026	8.45	138	137.7	155.7	10.19	5.856	1.89	16.71	17.71	20.28	1	3.571	2.57	13.8	0.867	894	0
15	2014	54	2000	2.31	4.201	8.1	139.7	143.2	157.5	10.14	6.27	3.679	16.79	17.77	19.7	0.985	2.912	1.93	13.74	0.877	894	0
15	2014	54	2015	3.375	5.293	8.73	146.7	146.8	157.3	10.97	6.595	4.016	17.78	18.36	19.27	0.573	1.489	0.91	12.21	1.198	894	0
15	2014	54	2030	2.841	4.578	6.868	124.6	128	152.3	20.16	18.23	13.86	17.11	17.82	19.01	0.711	1.902	1.19	12.33	0.74	894	0
15	2014	54	2045	3.204	5.19	7.219	107.2	106.5	115.8	12.26	6.864	6.271	15.92	16.49	17.43	0.567	1.513	0.94	14.86	0.779	894	0
15	2014	54	2100	4.252	6.468	8.85	116.9	115.9	116.6	12.17	8.43	4.599	14.46	14.76	15.13	0.292	0.664	0.37	20.28	0.843	895	0
15	2014	54	2115	4.286	6.541	9.2	120.7	119.2	118.1	13.26	9.19	5.433	13.86	14.09	14.17	0.231	0.317	0.08	24.72	0.823	895	0
15	2014	54	2130	5.383	8.02	11.05	116.1	115.4	116.8	11.97	7.644	3.287	12.96	13.15	13.27	0.189	0.316	0.12	27.51	0.968	895	0
15	2014	54	2145	4.866	7.082	10.25	115.2	113.3	114.3	11.62	7.268	3.475	12.21	12.36	12.43	0.147	0.223	0.07	29.59	0.959	895	0
15	2014	54	2200	4.664	6.836	10.11	111.3	111	111.4	11.49	7.205	3.322	11.54	11.66	11.73	0.122	0.189	0.07	31.7	1.01	895	0
15	2014	54	2215	5.025	7.526	11.1	111.5	110.4	111.5	11.81	7.244	3.322	11.26	11.34	11.44	0.073	0.176	0.1	33.22	1.147	895	0
15	2014	54	2230	5.338	7.752	11.14	113.2	111.3	113.2	10.88	6.225	3.036	11.04	11.06	11.2	0.027	0.167	0.14	34.12	1.212	895	0
15	2014	54	2245	5.097	7.463	11.14	110.4	110	111.4	12.03	7.292	3.255	10.81	10.79	10.81	-0.021	-0.001	0.02	35.21	1.19	895	0
15	2014	54	2300	5.688	8.37	11.68	115	112.4	114.1	12.41	7.455	3.948	10.82	10.8	10.86	-0.014	0.045	0.06	35.91	1.196	895	0
15	2014	54	2315	5.783	8.53	12.35	114.3	112.1	115.5	10.72	6.349	2.961	10.49	10.53	10.85	0.045	0.363	0.32	36.75	1.144	894	0
15	2014	54	2330	5.424	8.03	11.95	111.7	110.2	113.8	11.61	6.958	3.754	9.97	10.04	10.43	0.078	0.46	0.39	37.99	1.106	894	0
15	2014	54	2345	5.57	8.01	11.74	109.2	107.9	111	11.19	6.61	3.022	9.5	9.59	9.88	0.096	0.381	0.29	40.04	1.106	894	0
15	2014	54	2400	5.75	8.41	12.41	109.4	108.3	110.7	11.87	7.213	3.332	9.35	9.44	9.77	0.083	0.414	0.33	40.89	1.313	894	0
15	2014	55	15	5.056	7.591	11.06	115.8	114.1	112.6	11.6	7.509	3.578	9.04	9.15	9.32	0.109	0.274	0.17	42.19	1.032	894	0
15	2014	55	30	5.608	8.31	12.21	108	106.8	109.3	11.74	7.413	3.551	9.05	9.1	9.27	0.052	0.214	0.17	42.67	1.218	894	0
15	2014	55	45	6.063	8.96	12.82	106.7	105.5	109.6	12.05	7.139	3.571	9.01	9.09	9.34	0.073	0.324	0.25	42.98	1.343	893	0
15	2014	55	100	6.046	8.85	12.59	107.6	106.4	110.6	11.33	7.306	3.828	8.94	9.03	9.41	0.09	0.468	0.38	43.31	1.114	893	0
15	2014	55	115	5.589	8.3	11.73	108.7	108.2	111.9	12.37	7.975	4.372	8.83	8.89	9.21	0.059	0.371	0.32	43.5	1.247	893	0
15	2014	55	130	5.584	8.22	11.95	108.5	108	110.5	11.88	7.695	4.096	8.47	8.49	8.54	0.025	0.075	0.05	44.97	1.181	893	0
15	2014	55	145	6.04	8.9	12.41	109.7	108.4	109.9	11.1	7.039	3.606	8.5	8.51	8.46	0.006	-0.037	-0.05	45.18	1.302	893	0
15	2014	55	200	5.634	8.52	11.8	112.5	111.3	111.9	11.9	7.617	3.911	8.33	8.34	8.26	0.012	-0.065	-0.08	45.76	1.215	893	0
15	2014	55	215	5.815	8.22	11.29	107.4	106.5	108.2	11.96	7.038	3.641	8.31	8.29	8.21	-0.015	-0.1	-0.08	45.96	1.106	893	0
15	2014	55	230	5.585	8.18	11.66	110.1	109.2	110.8	11.6	6.968	3.716	8.36	8.35	8.27	-0.01	-0.09	-0.08	46.17	1.157	893	0
15	2014	55	245	5.791	8.36	12.05	108.1	106.2	108	11.5	7.967	4.187	8.43	8.41	8.32	-0.025	-0.11	-0.09	46.19	1.235	893	0
15	2014	55	300	5.427	7.969	11.68	110.3	109.9	111.3	11.64	7.226	3.564	8.38	8.35	8.29	-0.028	-0.087	-0.06	46.5	1.231	893	0
15	2014	55	315	5.353	7.709	10.42	102.4	102.8	105.6	11.89	7.564	4.534	8.53	8.51	8.39	-0.021	-0.146	-0.12	46.41	1.225	893	0
15	2014	55	330	3.699	5.226	7.849	90	91.3	98.2	24.74	16.36	9.63	8.57	8.56	8.4	-0.01	-0.175	-0.16	46.42	0.897	894	0
15	2014	55	345	1.415	1.737	2.37	12.36	22.21	67.23	42.89	39.85	42.49	8.4	8.38	8.07	-0.022	-0.334	-0.31	46.93	0.472	894	0
15	2014	55	400	1.344	1.972	3.416	77.5	78.84	87.2	28.63	20.73	11.7	8.31	8.34	8.07	0.024	-0.243	-0.27	47.5	0.515	894	0
15	2014	55	415	1.815	2.552	3.754	113	105	99.5	17.01	16.68	13.87	7.94	8.05	7.799	0.114	-0.142	-0.25	48.41	0.445	895	0
15	2014	55	430	1.892	2.885	4.403	121.1	117.8	110.9	13.01	8.46	6.301	7.614	7.767	7.612	0.153	-0.002	-0.16	49.77	0.715	894	0
15	2014	55	445	2.613	4.021	6.24	122	119.2	116	13.09	8.92	5.104	7.755	7.761	7.539	0.006	-0.216	-0.22	49.8	0.878	894	0
15	2014	55	500	3.507	5.042	7.18	117.9	115.5	113.4	12.48	7.69	4.58	7.726	7.704	7.462	-0.022	-0.264	-0.24	50.16	0.956	894	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	55	515	3.434	4.921	7.276	108.4	110.3	110.8	12.82	8.74	5.029	7.861	7.851	7.692	-0.009	-0.169	-0.16	50.52	0.885	894	0
15	2014	55	530	2.733	3.867	5.747	99.9	98.7	101.8	15.07	10.52	7.18	7.875	7.843	7.576	-0.032	-0.299	-0.27	50.63	0.912	895	0
15	2014	55	545	2.689	3.927	6.014	110.3	108.5	108.6	13.88	9.79	6.512	7.735	7.679	7.418	-0.056	-0.317	-0.26	50.98	0.837	895	0
15	2014	55	600	2.707	3.92	5.702	114.4	113.4	114.4	13.87	10.75	6.184	7.644	7.569	7.258	-0.075	-0.386	-0.31	51.36	0.703	895	0
15	2014	55	615	2.283	3.206	4.644	109.2	107.2	110.1	15.28	10.38	6.678	7.569	7.504	7.194	-0.065	-0.375	-0.31	51.98	0.728	895	0
15	2014	55	630	1.222	1.822	3.133	111.8	108.3	108.5	28.69	17.3	11.22	7.569	7.525	7.225	-0.044	-0.345	-0.3	52.22	1.302	895	0
15	2014	55	645	1.873	2.619	3.441	137.2	130.2	120.1	16.12	13.05	8.2	7.432	7.393	7.065	-0.04	-0.367	-0.33	52.73	8.42	895	0
15	2014	55	700	1.699	2.458	3.649	126.8	122	121.5	26.42	11.12	7.264	7.372	7.294	6.961	-0.078	-0.411	-0.33	52.94	20.64	895	0
15	2014	55	715	1.65	2.356	3.09	131	128.3	126.4	13.57	9.46	6.63	7.448	7.283	6.887	-0.164	-0.561	-0.4	52.93	61.8	896	0
15	2014	55	730	1.831	2.425	2.743	141.5	137.8	134.6	12.67	8.79	9.95	7.878	7.505	7.029	-0.373	-0.849	-0.48	51.9	135.8	896	0
15	2014	55	745	1.485	1.879	2.016	139.1	137.7	138.8	19.6	15.69	14.75	8.49	8.07	7.585	-0.416	-0.9	-0.48	50.17	132	896	0
15	2014	55	800	1.165	1.58	1.644	110.1	111.3	113.1	34.44	27.57	17.8	8.74	8.4	7.921	-0.339	-0.822	-0.48	49.57	107.6	896	0
15	2014	55	815	0.997	1.144	1.203	88.8	90.3	82.5	35.89	29.82	24	9.02	8.71	8.24	-0.312	-0.777	-0.47	48.89	163.7	897	0
15	2014	55	830	1.235	1.556	1.773	101.4	96.6	86.2	33.6	25.19	12.47	9.51	9.01	8.49	-0.505	-1.025	-0.52	47.63	192.4	897	0
15	2014	55	845	1.649	2.077	2.142	111.2	107.8	108.9	25.11	17.24	12.19	9.9	9.38	8.85	-0.52	-1.053	-0.53	46.53	177.3	897	0
15	2014	55	900	1.201	1.481	1.636	136.7	135.3	137.6	32.35	19.15	19.35	10.05	9.67	9.17	-0.375	-0.875	-0.5	46.15	235.8	897	0
15	2014	55	915	2.106	2.524	2.67	138.2	139.2	142.6	22.41	17.36	12.9	10.96	10.31	9.66	-0.644	-1.294	-0.65	44.18	347.3	897	0
15	2014	55	930	1.586	2.004	2.421	175.5	169.1	166.6	28.55	20.16	16.66	11.51	10.92	10.32	-0.59	-1.19	-0.6	42.51	286.5	897	0
15	2014	55	945	1.876	2.26	2.356	181.1	179.6	176	36.58	30.37	28.86	12.64	11.73	11.11	-0.913	-1.532	-0.62	40.08	642	897	0
15	2014	55	1000	1.884	2.435	2.375	172.2	172.4	177.5	30.12	22.95	23.13	13.51	12.71	12.05	-0.807	-1.465	-0.66	37.88	689.4	897	0
15	2014	55	1015	2.518	3.124	3.416	187	185.4	181.9	26.66	21.57	19.59	14.63	13.47	12.66	-1.151	-1.969	-0.81	34.81	707.4	897	0
15	2014	55	1030	2.386	2.998	3.278	176.8	172.8	174.5	20.64	16.65	16.1	15.28	14.11	13.35	-1.164	-1.933	-0.76	33.17	751.3	896	0
15	2014	55	1045	2.468	2.989	3.07	201.5	201.6	197.1	32.78	30.39	19.04	15.95	14.78	14	-1.165	-1.95	-0.78	31.29	746.4	896	0
15	2014	55	1100	2.224	2.711	2.834	189	190.7	195.9	23.56	21.84	15.2	16.39	15.33	14.57	-1.061	-1.819	-0.76	30.16	809	896	0
15	2014	55	1115	1.822	2.116	2.256	226.2	223.4	214.8	27.29	23.37	21.68	16.49	15.69	14.96	-0.798	-1.527	-0.73	29.37	649.6	896	0
15	2014	55	1130	1.722	2.086	2.356	210.4	206.3	215.4	39.37	45.25	25.48	17.04	16.12	15.4	-0.917	-1.638	-0.72	28.72	746.5	896	0
15	2014	55	1145	1.652	1.871	1.895	229.9	220.1	223	31.96	28.57	31.69	17.5	16.72	16.01	-0.782	-1.488	-0.71	26.94	795.3	895	0
15	2014	55	1200	2.331	2.822	3.15	198.7	201	207.8	26.86	20.54	17.26	18.71	17.58	16.72	-1.133	-1.99	-0.86	25.06	818	895	0
15	2014	55	1215	1.946	2.329	2.542	210.9	211	217.4	31.12	27.11	18.84	19.4	18.36	17.56	-1.045	-1.839	-0.8	22.7	830	895	0
15	2014	55	1230	1.78	2.304	2.402	241.2	241.1	243.5	32.91	29.2	22.25	19.78	18.84	17.98	-0.935	-1.804	-0.86	22.04	717.2	894	0
15	2014	55	1245	1.463	1.709	1.902	283	279.2	268.2	44.53	27.55	27.2	19.75	19.33	18.64	-0.419	-1.115	-0.69	21.65	677.6	894	0
15	2014	55	1300	1.503	1.674	1.59	292.4	299.8	283.3	69.14	65.12	39.28	20.46	19.73	19.33	-0.728	-1.128	-0.4	19.72	737.2	894	0
15	2014	55	1315	1.421	1.602	1.518	286	282.3	280.8	67.61	45.25	23.24	20.74	20.3	20.03	-0.433	-0.708	-0.27	18.1	696.5	893	0
15	2014	55	1330	1.344	1.547	1.729	260.9	276.7	290.2	49.3	44.32	16.91	21.44	20.97	20.59	-0.466	-0.845	-0.38	16.21	589.3	893	0
15	2014	55	1345	1.654	1.937	1.759	256.8	249.5	261.3	53.41	45.56	33.62	22.14	21.43	20.89	-0.717	-1.249	-0.54	12.99	821	893	0
15	2014	55	1400	1.614	1.779	2.085	286.8	294	285.7	32.59	28.26	20.52	22.68	22.27	21.57	-0.413	-1.107	-0.7	13.45	778.9	893	0
15	2014	55	1415	1.896	2.103	1.981	279.4	288.7	287.8	42.43	35.02	26.8	23.08	22.54	21.76	-0.54	-1.324	-0.78	11.99	654.5	893	0
15	2014	55	1430	1.063	1.211	1.297	267.1	270	223.3	92.4	90	60.17	22.61	22.19	21.66	-0.419	-0.945	-0.53	12.02	369.9	892	0
15	2014	55	1445	1.292	1.596	1.751	240.7	215.6	218	67.6	48.56	30.62	23.05	22.48	21.74	-0.579	-1.312	-0.74	12.13	550.5	892	0
15	2014	55	1500	1.479	1.958	2.243	252.4	254.2	241.7	36.19	28.57	22.59	23.12	22.58	21.98	-0.537	-1.137	-0.6	11.84	350	892	0
15	2014	55	1515	1.812	2.284	2.442	245.4	249	253.2	39.8	34.82	25.43	23.45	22.82	22.1	-0.629	-1.345	-0.72	11.12	499.1	892	0
15	2014	55	1530	1.7	1.939	2.221	278.7	276.3	272.4	41.8	38.46	27.06	23.45	22.95	22.44	-0.496	-1.008	-0.51	11	414.5	892	0
15	2014	55	1545	1.22	1.391	1.425	319.7	290.4	275.1	68.94	69.29	41.31	23.62	23.19	22.7	-0.432	-0.921	-0.49	11.27	412.2	892	0
15	2014	55	1600	1.136	1.217	1.161	149.8	140.1	160.1	41.88	42.7	59.42	23.52	23.14	22.63	-0.385	-0.893	-0.51	11.56	259.6	892	0
15	2014	55	1615	1.066	1.229	1.465	192.1	195	204.3	64.41	46.93	29.57	23.61	23.24	22.74	-0.378	-0.874	-0.5	12.22	247.1	892	0
15	2014	55	1630	2.345	3.231	3.537	183	181.4	180.3	19.54	17.12	13.85	23.83	23.35	22.81	-0.48	-1.015	-0.54	12.68	221.5	891	0
15	2014	55	1645	2.221	2.857	3.067	207.9	205.2	201.9	22.69	20.94	12.94	23.72	23.27	22.74	-0.449	-0.975	-0.53	13.06	199.8	891	0
15	2014	55	1700	2.274	3.023	3.392	191.6	188.2	189.8	14.84	11.65	11.12	23.48	23.15	22.64	-0.337	-0.843	-0.51	13.53	150.5	891	0
15	2014	55	1715	2.048	2.808	3.03	168.4	167.8	173.2	14.59	8.89	10.71	23.02	22.97	22.56	-0.049	-0.459	-0.41	13.96	86.8	891	0
15	2014	55	1730	1.372	2.317	2.897	156.6	158.4	162.9	8.3	6.723	9.44	22	22.53	22.41	0.533	0.409	-0.12	15.09	33.07	892	0
15	2014	55	1745	1.193	2.307	2.639	124	143.4	157.8	7.642	4.624	4.432	20.71	22.35	22.32	1.644	1.612	-0.03	16.43	7.916	892	0
15	2014	55	1800	1.111	2.607	3.012	128.2	155	163.5	2.889	4.328	3.88	19.19	22.15	22.29	2.961	3.097	0.14	18.07	1.207	892	0
15	2014	55	1815	1.091	2.822	3.665	129.2	163.2	167.8	7.787	3.591	3.21	17.76	21.68	22.11	3.924	4.349	0.43	19.82	0.462	892	0
15	2014	55	1830	0.609	2.528	3.589	71.04	147.9	165.5	26.48	4.935	1.548	17.04	20.71	22.11	3.662	5.064	1.4	20.99	0.422	892	0
15	2014	55	1845	0.88	3.297	4.106	119.3	147.3	168.3	12.78	1.863	1.309	16.12	20.11	22.08	3.984	5.955	1.97	22.45	0.519	892	0
15	2014	55	1900	1.451	3.578	4.57	135.3	143.4	168.7	6.166	4.502	1.34	16.6	19.69	21.88	3.088	5.284	2.19	22.55	0.67	892	0
15	2014	55	1915	1.591	3.565	5.388	132.8	137.3	165.1	6.405	3.814	2.614	16.54	18.5	21.62	1.956	5.081	3.12	22.52	0.68	892	0
15	2014	55	1930	1.646	3.927	6.496	132.1	137.2	165.1	8.12	4.876	5.179	16.07	18.3	21	2.224	4.93	2.7	23.25	0.631	893	0
15	2014	55	1945	1.456	3.28	7.279	133.5	140	163.1	11.38	5.751	2.774	15.9	17.32	19.83	1.417	3.929	2.51	23.59	0.738	893	0
15	2014	55	2000	1.074	2.685	7.067	137.8	137.4	162.2	10.4	6.317	2.224	15.31	16.54	19.4	1.227	4.086	2.86	24.9	0.751	893	0
15	2014	55	2015	1.325	3.287	6.526	132.2	133.3	156.3	12.87	7.198	2.674	14.85	16.77	18.92	1.921	4.067	2.15	26.64	0.743	893	0
15	2014	55	2030	1.399	3.374	6.873	141.1	139.1	156.5	9.15	5.201	3.044	14.6	16.39	18.65	1.793	4.058	2.26	27.78	0.742	893	0
15	2014	55	2045	1.831	3.765	7.195	148.4	145.9	159.2	10.53	7.182	4.487	15.3	16.7	18.55	1.4	3.249	1.85	27.62	1.028	893	0
15	2014	55	2100	1.86	3.67	6.96	155.2	151.4	162.9	11.14	5.789	3.571	15.56	16.63	18.09	1.071	2.528	1.46	27.4	0.967	893	0
15	2014	55	2115	1.591	3.174	6.729	149.3	148.5	162	12.65	7.984	3.632	15.35	16.33	17.82	0.981	2.477	1.49	28.06	0.735	893	0
15	2014	55	2130	1.775	3.676	7.357	155.2	153.4	166	12.71	8.49	4.731	15.2	16.29	17.88	1.091	2.685	1.59	28.75	0.79	893	0
15	2014	55	2145	2.292	3.984	7.442	162.7	161.9	171.5	11.34	6.766	4.462	16	16.83	17.94	0.828	1.944	1.11	27.49	1.025	893	0
15	2014	55	2200	1.779	3.316	7.025	170.3	164.9	174.1	14.67	7.454	3.782	15.49	16.42	17.79	0.934	2.301	1.37	28.08	0.845	893	0
15	2014	55	2215	1.47	2.939	6.387	191.6	176.5	177.3	12.67	7.288	2.806	14.76	16	17.52	1.236	2.763	1.52	29.51	0.634	894	0
15	2014	55	2230	0.804	2.15	5.49	218.5	169.6	177.2	44.5	5.097	2.949	13.51	15.31	17.01	1.801	3.496	1.7	31.91	0.536	894	0
15	2014	55	2245	0.851	1.417	4.53	59.59	143.3	180.9	50.06	16.37	2.926	12.14	15.18	17.16	3.039	5.016	1.98	34.35	0.464	894	0
15	2014	55	2300	0.967	1.704	3.712	60.02	130.8	180	24.4	12.3	3.543	11.87	15.22	16.88	3.353	5.008	1.66	35.46	0.418	893	0
15	2014	55	2315	0.483	2.132	3.888	43.3	154	187.9	84.2	3.854	5.632	11.42	15.35	16.93	3.933	5.508	1.58	36.59	0.438	894	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	55	2345	0.903	2.768	3.978	136.8	152.2	193.5	19.58	3.152	3.168	11.99	15.9	17.49	3.903	5.499	1.59	35.74	0.559	893	0
15	2014	55	2400	0.663	3.058	3.494	121.4	140.4	189.1	30.87	3.606	3.373	11.21	15.93	17.43	4.72	6.219	1.5	37.33	0.559	893	0
15	2014	56	15	1.429	3.577	3.316	127.9	145.7	188.6	6.549	3.042	4.254	11.08	16.63	17.55	5.555	6.47	0.92	37.8	0.586	893	0
15	2014	56	30	0.848	3.428	3.721	142.8	150.8	190.4	41.72	2.662	3.175	10.9	16.15	17.65	5.252	6.753	1.5	38.32	0.59	893	0
15	2014	56	45	1.269	3.601	4.084	134.8	153.9	195.3	4.599	2.164	3.099	10.57	15.97	17.8	5.397	7.222	1.83	38.67	0.667	893	0
15	2014	56	100	1.204	3.584	3.873	130.9	148.7	192.5	6.464	3.157	3.154	10.61	15.52	17.65	4.903	7.041	2.13	39.05	0.649	893	0
15	2014	56	115	1.178	3.461	3.624	117.7	140.3	187.7	5.894	3.137	2.71	10.9	15.51	17.6	4.612	6.695	2.09	38.08	0.661	893	0
15	2014	56	130	0.943	3.161	3.559	103.9	132.6	186.6	20.49	4.758	4.045	10.96	14.77	17.75	3.811	6.783	2.98	38.35	0.704	893	0
15	2014	56	145	0.871	2.732	3.604	90	129.8	181.2	38.06	7.859	2.691	11.64	14.14	17.59	2.502	5.953	3.45	37.03	0.709	893	0
15	2014	56	200	0.762	2.663	3.524	75.92	122.1	184.7	25.84	5.434	3.923	11.43	14.06	17.94	2.626	6.511	3.88	38.63	0.657	893	0
15	2014	56	215	0.542	2.336	3.308	53.1	122.9	192.6	49.43	4.862	3.336	11.18	13.82	18.05	2.646	6.871	4.23	40.21	0.596	892	0
15	2014	56	230	0.536	2.5	2.824	49.13	124.4	195.8	57.59	6.128	5.398	11.34	14.37	17.91	3.033	6.571	3.54	40.98	0.58	892	0
15	2014	56	245	1.255	1.482	2.022	17.77	71.55	197	9.92	15.47	6.189	9.34	13.62	17.68	4.282	8.33	4.06	45.41	0.438	893	0
15	2014	56	300	1.159	1.646	1.712	31.08	107.4	214.9	14.86	16.49	10.88	8.38	14.59	17.51	6.21	9.13	2.92	49.53	0.335	892	0
15	2014	56	315	1.052	1.874	0.974	27.1	122	253.6	12.29	4.266	15.11	8.29	15.96	17.36	7.666	9.07	1.4	51.06	0.301	892	0
15	2014	56	330	1.006	2.15	0.493	42.58	121.1	247.1	13.68	3.38	17.78	8.53	16.02	17.25	7.489	8.73	1.23	51.3	0.318	892	0
15	2014	56	345	1.306	1.952	0.496	39.59	111.1	16.85	7.451	3.562	31.7	8.69	16.23	17.47	7.549	8.78	1.24	51.54	0.345	892	0
15	2014	56	400	1.46	1.427	0.727	37.23	87.7	339.5	4.068	8.37	7.005	8.8	16.46	17.74	7.657	8.94	1.28	51.94	0.339	892	0
15	2014	56	415	1.257	1.492	0.895	51.55	85	349.6	22.59	15.15	17.66	8.7	16.4	17.75	7.704	9.05	1.35	52.35	0.38	892	0
15	2014	56	430	0.602	3.027	0.661	89.1	121.9	90.2	39.97	3.441	12.84	9.95	16.21	17.65	6.257	7.692	1.44	48.17	0.594	892	0
15	2014	56	445	0.714	3.518	1.078	81.2	111.1	103	23.31	4.576	9.76	11.11	15.3	17.7	4.187	6.583	2.4	44.36	0.858	892	0
15	2014	56	500	0.606	2.525	0.833	36.28	108.1	155.6	66.97	6.349	20.28	10.8	13.49	17.92	2.694	7.119	4.43	45.11	0.631	892	0
15	2014	56	515	0.585	2.334	0.914	28.25	113.7	186.8	41.51	6.467	18.74	10.84	13.04	17.87	2.195	7.029	4.83	46.45	0.405	892	0
15	2014	56	530	1.036	2.591	0.957	42.76	101.3	191	26.42	10.05	20.63	10.23	12.94	17.96	2.709	7.735	5.02	48.51	0.417	892	0
15	2014	56	545	1.142	2.19	0.327	37.21	102.8	299.8	7.551	6.023	28.15	9.58	15.65	17.86	6.073	8.29	2.21	51.59	0.297	892	0
15	2014	56	600	0.897	1.15	0.819	0.539	106.1	256.7	21.2	12.09	11.75	9.57	14.28	17.78	4.706	8.21	3.5	51.71	0.353	893	0
15	2014	56	615	2.693	3.787	5.071	8.9	43.47	327.2	25.38	55.68	59.01	10.51	13.05	16.18	2.54	5.665	3.13	49.44	1.121	893	0
15	2014	56	630	5.975	8.94	10.84	42.21	41.2	44.18	13.02	8.92	6.664	8.92	8.92	8.66	-0.006	-0.259	-0.26	40.03	1.634	894	0
15	2014	56	645	6.314	9.29	11.87	51.99	51.34	53.28	12.43	7.852	4.373	7.319	7.242	6.898	-0.077	-0.421	-0.34	45.18	5.017	894	0
15	2014	56	700	6.681	9.68	11.86	53.66	53.07	54.31	12.04	7.96	5.192	6.31	6.176	5.755	-0.133	-0.555	-0.42	48.78	18.89	895	0
15	2014	56	715	6.637	9.7	11.91	55.22	55.65	58.28	11.73	7.628	4.641	5.707	5.529	5.086	-0.178	-0.621	-0.44	51.25	39.67	895	0
15	2014	56	730	6.932	10.14	12.75	55.61	55.96	57.55	11.85	7.195	4.711	5.215	4.977	4.474	-0.238	-0.741	-0.5	55.72	57.51	895	0
15	2014	56	745	6.869	10	12.31	55	54.29	55.03	11.83	7.612	5.118	5.136	4.849	4.307	-0.287	-0.829	-0.54	57.62	92.1	895	0
15	2014	56	800	6.146	9.08	10.93	49.71	49.21	49.57	13.13	8.51	5.59	5.359	4.987	4.391	-0.373	-0.968	-0.6	59.61	127.1	896	0
15	2014	56	815	4.95	7.392	9.45	38.59	39.65	42.64	16.47	12.02	8.71	5.54	5.097	4.456	-0.443	-1.084	-0.64	61.66	162.7	896	0
15	2014	56	830	3.846	5.483	6.379	15.12	18.25	21.27	16.9	12.92	9.55	5.709	5.161	4.481	-0.548	-1.227	-0.68	63.27	199.9	897	0
15	2014	56	845	4.281	5.931	6.803	14.5	15.76	16.36	19.35	13.67	9.87	5.728	5.083	4.389	-0.645	-1.339	-0.69	64.26	232.5	898	0
15	2014	56	900	4.242	6.178	7.16	21.09	20.89	20.86	15.76	10.18	7.62	5.845	5.118	4.376	-0.727	-1.469	-0.74	65.89	254.9	898	0
15	2014	56	915	4.313	6.093	7.199	25.18	23.56	22.61	15.07	8.81	7.461	6.123	5.319	4.477	-0.804	-1.646	-0.84	66.19	312.8	898	0
15	2014	56	930	4.47	6.145	6.984	8.32	9.04	10.61	17.89	11.64	9.21	6.403	5.545	4.681	-0.858	-1.722	-0.86	66.55	351.1	898	0
15	2014	56	945	4.126	5.676	6.403	18.76	19.91	18.94	16.2	11.7	8.1	6.948	5.9	5.005	-1.048	-1.942	-0.9	65.19	454.7	898	0
15	2014	56	1000	3.806	5.206	5.866	17.94	19.44	21.98	19.49	13.06	10.88	7.261	6.13	5.265	-1.131	-1.996	-0.86	64.78	461	898	0
15	2014	56	1015	3.693	4.899	5.585	4.934	4.958	6.965	21.1	16.92	13.78	7.655	6.518	5.621	-1.136	-2.034	-0.9	62.92	520.2	898	0
15	2014	56	1030	3.513	4.779	5.42	5.99	5.831	8.24	22.39	16.67	12.88	7.892	6.674	5.743	-1.218	-2.149	-0.93	62.92	524.9	898	0
15	2014	56	1045	3.445	4.525	4.87	10.14	10.44	10.78	22.9	19.43	16.59	8.1	6.884	6.033	-1.211	-2.062	-0.85	62.83	574.2	898	0
15	2014	56	1100	3.328	4.308	4.761	4.976	4.597	6.78	21.11	18.82	14.2	8.05	6.949	6.099	-1.1	-1.949	-0.85	64.1	450	898	0
15	2014	56	1115	3.219	4.398	4.915	8.08	8.85	12.73	20.17	16.16	12.62	8.31	7.085	6.26	-1.229	-2.054	-0.82	64.19	496	898	0
15	2014	56	1130	2.807	3.611	4.112	27.07	25.59	23.91	21.33	17.16	13.18	8.27	7.232	6.331	-1.039	-1.941	-0.9	65.24	428.3	897	0
15	2014	56	1145	2.261	2.955	3.371	20.75	23.69	25.76	26.08	20.66	18.5	7.965	6.974	6.288	-0.992	-1.677	-0.69	68.14	401.2	897	0
15	2014	56	1200	2.416	3.123	3.497	31.33	32.61	31.44	32.83	27.44	19.59	8.51	7.362	6.63	-1.15	-1.883	-0.73	66.4	459.6	897	0
15	2014	56	1215	1.882	2.514	2.718	40.28	43.97	41.78	35.61	29.1	19.95	8.64	7.587	6.885	-1.049	-1.75	-0.7	66.57	472.8	897	0
15	2014	56	1230	1.925	2.408	2.641	44	43.84	43.7	32.06	23.37	13.14	8.82	7.809	7.098	-1.009	-1.72	-0.71	66.02	534.9	896	0
15	2014	56	1245	1.631	2.095	2.27	39.38	50.04	23.74	60.47	50.95	44.87	9.03	8.23	7.58	-0.798	-1.448	-0.65	65.08	556.8	896	0
15	2014	56	1300	1.768	2.176	2.342	37.05	37.95	39.12	57.72	51.5	25.03	9.24	8.38	7.813	-0.863	-1.43	-0.57	63.8	659	895	0
15	2014	56	1315	1.709	2.01	2.012	101.2	93.9	91.4	60.39	60.49	32.4	10.17	9.21	8.43	-0.96	-1.737	-0.78	60.9	692.5	895	0
15	2014	56	1330	1.842	2.206	2.404	95.4	89.7	83.6	59.37	50.58	30.9	10.63	9.59	9.01	-1.043	-1.616	-0.58	58.02	733.8	894	0
15	2014	56	1345	1.486	1.879	1.883	85.2	86.5	87.2	39.74	31.15	16.59	10.7	9.98	9.36	-0.72	-1.348	-0.62	57.19	605.4	894	0
15	2014	56	1400	1.852	2.064	1.881	115.9	120.5	127	43.27	35.84	31.25	11.37	10.47	9.88	-0.896	-1.488	-0.59	55.05	568.2	894	0
15	2014	56	1415	1.68	1.917	1.814	152.5	151	142.3	48.48	39.48	28.49	11.75	10.9	10.23	-0.85	-1.526	-0.67	52.96	536.8	894	0
15	2014	56	1430	1.608	1.873	2.225	140.4	133.3	129.6	66.75	53.96	31.65	11.99	11.29	10.66	-0.695	-1.327	-0.63	52.2	487.6	893	0
15	2014	56	1445	1.788	2.166	2.177	118.6	117.8	111	45.75	29.24	30.05	12.21	11.47	10.89	-0.744	-1.318	-0.58	51.8	504.1	893	0
15	2014	56	1500	2.222	2.673	2.85	155.4	154.9	155	30.94	25.22	21.64	12.72	11.76	11.13	-0.962	-1.592	-0.63	50.3	479.2	893	0
15	2014	56	1515	1.934	2.322	2.175	163.9	166.6	169.2	46.82	38.89	31.28	12.6	11.79	11.18	-0.811	-1.414	-0.61	49.41	394.8	893	0
15	2014	56	1530	1.986	2.433	2.67	137.1	138.9	147.3	26.48	21.27	14.76	13.05	12.15	11.54	-0.897	-1.505	-0.61	47.99	392	892	0
15	2014	56	1545	2.088	2.664	2.884	179.2	172.7	175.9	31.32	25.28	18.87	13.15	12.34	11.75	-0.81	-1.392	-0.59	44.64	314.7	892	0
15	2014	56	1600	2.423	3.113	3.387	142.2	141.2	146.8	16.72	11.91	11.7	13.25	12.4	11.8	-0.857	-1.451	-0.6	46.79	312.2	892	0
15	2014	56	1615	2.249	2.927	3.196	172.7	167.5	166	22.17	19.69	15.91	13.17	12.49	11.85	-0.674	-1.312	-0.64	47.88	204.9	892	0
15	2014	56	1630	2.382	3.178	3.653	163.7	161.6	162.4	21.27	17.96	12.69	13.07	12.52	11.92	-0.555	-1.148	-0.6	47.53	152.4	892	0
15	2014	56	1645	2.526	3.444	3.902	173.2	172.6	170.8	14.54	11.49	7.798	12.94	12.49	11.92	-0.453	-1.02	-0.57	48.3	116.5	892	0
15	2014	56	1700	2.474	3.336	3.781	166.2	165.5	165.7	19.11	15.31	11.9	12.81	12.44	11.93	-0.365	-0.872	-0.51	48.71	87.9	892	0
15	2014	56	1715	2.471	3.398	3.915	152.9	150.8	152	18.47	15.48	12.85	12.44	12.19	11.72	-0.253	-0.715	-0.47	51.75	57.72	892	0
15	2014	56	1730	2.656	3.767	4.204	154.1	152.8	154.1	13.47	11.27	10.19	11.99	11.83	11.4	-0.161	-0.589	-0.43	54.46	34.75	892	0
15	2014	56	1745	2.523	3.776	4.617	153.3	150.3	151	12.14	7.844	5.387	11.7	11.61	11.21	-0.088	-0.482	-0.4	56.08	11.85	893	0
15	2014	56	1800	2.563	3.711	4.777	157.7	155.8	156.4	13.14	8.96	5.675	11.32	11.26	10.9	-0.064	-0.429	-0.36	58.2	1.974	893	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	56	1815	2.656	3.922	4.97	165.4	163.8	163.1	11.14	7.204	4.926	11.05	10.98	10.61	-0.068	-0.431	-0.37	60.35	0.8	893	0
15	2014	56	1830	2.81	4.06	5.059	157	154	154.5	11.64	7.969	5.915	10.89	10.8	10.43	-0.082	-0.459	-0.37	61.51	0.696	893	0
15	2014	56	1845	3.083	4.545	5.648	147.1	146	147.5	11.12	6.484	2.93	10.49	10.37	9.97	-0.111	-0.514	-0.4	63.58	0.735	893	0
15	2014	56	1900	3.046	4.38	5.574	146.8	145	146.1	11.48	7.689	4.327	10.02	9.9	9.48	-0.125	-0.543	-0.42	66.26	0.698	893	0
15	2014	56	1915	3.219	4.7	6.013	140	137.7	138.6	11.98	7.928	4.666	9.56	9.42	8.99	-0.144	-0.575	-0.43	68.69	0.727	893	0
15	2014	56	1930	3.285	4.645	5.883	144.2	140.2	139.7	11.62	7.594	4.365	9.15	9	8.56	-0.148	-0.582	-0.44	70.94	0.868	893	0
15	2014	56	1945	3.198	4.576	5.706	141.5	140.7	140.9	11.53	7.31	3.733	8.82	8.71	8.3	-0.11	-0.522	-0.41	72.37	0.656	893	0
15	2014	56	2000	2.974	4.105	5.632	141.3	141.4	141.3	11.78	7.881	4.408	8.59	8.5	8.11	-0.094	-0.481	-0.39	73.43	0.687	893	0
15	2014	56	2015	2.725	3.946	5.433	137.4	135.4	135.5	12.88	8.66	5.108	8.38	8.29	7.914	-0.089	-0.468	-0.38	74.21	0.652	893	0
15	2014	56	2030	2.66	3.818	5.292	137.9	135.1	134.7	11.96	7.883	4.698	8.22	8.14	7.779	-0.073	-0.438	-0.36	74.76	0.658	894	0
15	2014	56	2045	2.337	3.483	4.977	131.8	130.3	131.8	11.33	7.721	4.195	8.05	8.01	7.674	-0.043	-0.379	-0.34	75.25	0.716	894	0
15	2014	56	2100	2.419	3.719	5.235	131.9	129.6	129.9	12.11	7.705	4.021	7.895	7.878	7.566	-0.017	-0.329	-0.31	76.24	0.789	894	0
15	2014	56	2115	2.66	3.946	5.487	128.8	126.5	127.1	12.27	8.15	4.138	7.768	7.729	7.412	-0.039	-0.356	-0.32	76.98	0.787	894	0
15	2014	56	2130	2.642	3.728	5.583	124.2	121.9	123.5	13.2	8.91	4.556	7.683	7.628	7.318	-0.056	-0.365	-0.31	77.42	0.75	894	0
15	2014	56	2145	2.765	4.125	5.838	125	122.1	122.7	11.58	7.314	4.282	7.684	7.599	7.264	-0.085	-0.42	-0.34	77.72	0.928	894	0
15	2014	56	2200	2.488	3.688	5.124	119.5	117.6	119.3	13.23	8.69	4.807	7.661	7.545	7.166	-0.115	-0.495	-0.38	77.81	0.783	894	0
15	2014	56	2215	2.837	4.201	5.416	113.9	113.6	116.3	13.24	8.7	4.971	7.6	7.472	7.071	-0.128	-0.53	-0.4	78.08	0.841	894	0
15	2014	56	2230	3.23	4.808	6.123	113.8	112.4	114	12.62	7.824	4.588	7.486	7.328	6.901	-0.158	-0.585	-0.43	79.21	0.748	894	0
15	2014	56	2245	3.611	5.267	7.051	113.4	110.7	111.8	13.91	8.16	4.413	7.389	7.204	6.762	-0.186	-0.628	-0.44	80.8	0.918	894	0
15	2014	56	2300	3.962	5.69	7.028	110.7	109.1	108.6	12.06	7.891	4.605	7.188	6.963	6.502	-0.225	-0.686	-0.46	82.5	0.859	894	0
15	2014	56	2315	4.304	6.178	7.582	107.2	105.1	104.4	11.92	7.057	4.434	6.907	6.639	6.17	-0.268	-0.737	-0.47	84.8	0.98	894	0
15	2014	56	2330	4.615	6.468	7.918	101	100.3	101.3	12.94	8.77	5.427	6.787	6.48	6.01	-0.306	-0.776	-0.47	86.4	1.133	894	0
15	2014	56	2345	5.574	7.795	9.77	94.3	93.1	94	11.64	7.365	3.904	6.569	6.176	5.697	-0.393	-0.872	-0.48	89.5	1.107	895	0
15	2014	56	2400	6.435	8.91	11.15	89.8	90.8	91.7	11.78	8.27	4.657	6.43	5.981	5.502	-0.448	-0.928	-0.48	90.7	1.144	895	0
15	2014	57	15	6.827	9.57	12.1	83.4	83.7	84.2	10.82	7.456	5.245	6.258	5.734	5.287	-0.524	-0.971	-0.45	92.5	1.215	895	0
15	2014	57	30	7.294	9.98	12.66	77.48	76.94	78.92	10.62	7.652	5.164	5.961	5.354	4.908	-0.607	-1.053	-0.45	93.2	1.356	895	0
15	2014	57	45	7.807	10.92	13.12	76.07	75.01	76.46	11.36	8.23	5.738	5.232	4.558	4.16	-0.674	-1.072	-0.4	94.1	1.198	896	0
15	2014	57	100	8.51	11.89	14.71	74.84	73.6	74.11	11.41	8.11	4.828	4.351	3.637	3.217	-0.715	-1.134	-0.42	94.3	1.223	896	0
15	2014	57	115	9.12	12.48	15.41	76.63	75.84	76.59	10.69	7.666	5.1	3.459	2.739	2.246	-0.72	-1.212	-0.49	93.5	1.43	896	0
15	2014	57	130	9.28	12.74	15.77	72.41	70.93	72.21	10.84	7.926	5.558	2.563	1.989	1.291	-0.574	-1.273	-0.7	89	1.372	896	0
15	2014	57	145	9.13	12.51	15.1	72.96	71.03	71.06	11.28	7.434	5.23	1.765	1.336	0.734	-0.429	-1.031	-0.6	86.7	1.341	897	0
15	2014	57	200	9.59	13.08	16.62	71.5	69.59	71.46	11.09	7.623	5.263	1.382	1.019	0.448	-0.363	-0.934	-0.57	87.2	1.367	896	0
15	2014	57	215	8.45	11.57	14.42	73.82	72.28	74.45	10.65	7.952	5.847	1.231	0.86	0.296	-0.372	-0.935	-0.56	87.9	1.509	896	0
15	2014	57	230	8.86	12.38	15.5	66.13	65.5	67.88	12.78	10.21	8.74	1.096	0.722	0.154	-0.375	-0.943	-0.57	86.2	1.485	896	0
15	2014	57	245	8.61	12.25	15.28	59.28	58.49	60.77	13.3	9.3	7.113	0.907	0.586	0.016	-0.321	-0.891	-0.57	84.9	1.47	897	0
15	2014	57	300	7.552	10.86	13.37	59.51	58.62	60.28	12.87	7.711	5.395	0.689	0.391	-0.174	-0.298	-0.863	-0.56	85.9	1.264	898	0
15	2014	57	315	7.379	10.94	13.34	58.85	56.8	59.45	11.84	7.196	4.498	0.559	0.256	-0.312	-0.304	-0.871	-0.57	83.9	1.37	898	0
15	2014	57	330	7.802	11.07	13.37	57.35	56.02	58.78	10.89	6.703	4.203	0.235	-0.005	-0.535	-0.241	-0.77	-0.53	79.98	1.217	898	0
15	2014	57	345	6.917	9.98	12.19	56.41	56.23	58	12.9	7.733	4.881	0.152	-0.114	-0.663	-0.266	-0.815	-0.55	77.35	1.423	899	0
15	2014	57	400	5.83	8.36	10.51	56.81	56.25	56.79	12.52	8.84	6.087	0.11	-0.145	-0.71	-0.255	-0.821	-0.56	73.29	1.156	899	0
15	2014	57	415	5.621	8.05	9.55	58.51	57.63	60.44	12.68	7.79	6.257	0.073	-0.184	-0.738	-0.257	-0.81	-0.55	70.88	1.047	899	0
15	2014	57	430	3.373	4.838	5.802	55.77	54.45	54.37	15.71	10.7	8.71	0.053	-0.211	-0.758	-0.265	-0.811	-0.55	70.85	0.734	900	0
15	2014	57	445	3.519	5.039	5.861	40.72	40.3	43.1	17.18	13.39	10.07	-0.041	-0.303	-0.858	-0.263	-0.817	-0.56	69.6	0.761	901	0
15	2014	57	500	4.511	6.505	8.18	40.74	40.32	41.92	13.11	8.99	6.662	-1.113	-1.408	-2.031	-0.294	-0.917	-0.62	64.34	0.91	901	0
15	2014	57	515	4.413	6.265	7.829	40.28	40.34	40.94	14.07	10.34	6.697	-1.434	-1.726	-2.347	-0.292	-0.913	-0.62	64.8	0.945	901	0
15	2014	57	530	4.08	5.777	7.221	42.1	40.94	42.38	12.68	9.02	7.362	-1.666	-1.977	-2.611	-0.311	-0.944	-0.63	67.19	0.832	901	0
15	2014	57	545	4.472	6.388	7.613	46.35	46.85	48.89	13.39	8.98	6.464	-1.955	-2.277	-2.908	-0.321	-0.953	-0.63	69.59	0.969	901	0
15	2014	57	600	4.096	5.894	6.852	47.7	45.66	46.06	13.29	8.44	7.254	-2.119	-2.428	-3.055	-0.31	-0.937	-0.63	71.42	0.871	902	0
15	2014	57	615	3.542	5.01	6.161	45.48	43.64	45.83	15.58	11.13	8.02	-2.189	-2.51	-3.15	-0.322	-0.962	-0.64	73.1	0.887	902	0
15	2014	57	630	3.646	5.253	6.49	43.34	42.29	43.32	13.16	8.44	5.543	-2.398	-2.739	-3.403	-0.341	-1.005	-0.66	76.42	1.38	902	0
15	2014	57	645	3.702	5.279	6.174	53.5	52.69	53.38	14.53	11.46	8.27	-2.568	-2.917	-3.594	-0.349	-1.026	-0.68	77.84	3.028	902	0
15	2014	57	700	3.72	5.204	6.193	44.47	43.58	45.93	12.12	7.558	5.234	-2.876	-3.258	-3.964	-0.382	-1.087	-0.71	76.69	11.38	902	0
15	2014	57	715	3.456	4.996	5.774	50.22	47.42	48.21	13.89	9.3	4.756	-2.97	-3.413	-4.143	-0.443	-1.173	-0.73	76.24	27.03	902	0
15	2014	57	730	2.885	4.114	4.721	51.21	49.14	48.68	14.6	9.45	7.358	-2.93	-3.434	-4.137	-0.503	-1.207	-0.7	76.21	48.65	902	0
15	2014	57	745	2.875	3.949	4.436	46.61	46.27	47.25	13.04	8.78	6.156	-2.818	-3.339	-4.076	-0.521	-1.258	-0.74	74.98	56.25	902	0
15	2014	57	800	2.551	3.386	3.855	48.52	48.74	51.53	14.46	10.2	6.849	-2.825	-3.367	-4.086	-0.542	-1.261	-0.72	75.91	64.54	902	0
15	2014	57	815	2.838	3.61	3.793	65.1	63.4	63.69	16.97	11.86	10.6	-2.665	-3.307	-3.995	-0.642	-1.33	-0.69	75.1	165.5	902	0
15	2014	57	830	2.292	2.883	3.171	86	82.3	81.6	18.46	14.41	12.52	-2.423	-3.056	-3.76	-0.632	-1.337	-0.7	73.9	154	902	0
15	2014	57	845	2.227	2.668	3.006	69.76	74.04	78.07	22.56	17.42	12.6	-2.048	-2.763	-3.484	-0.714	-1.435	-0.72	72.55	270.5	902	0
15	2014	57	900	1.862	2.36	2.771	79.05	77.52	86.4	24.27	14.95	13.11	-1.738	-2.481	-3.282	-0.743	-1.544	-0.8	71.43	233.3	902	0
15	2014	57	915	1.892	2.298	2.397	116.7	115.1	117.4	26.7	23.41	17.82	-1.615	-2.305	-3.02	-0.689	-1.405	-0.72	71.32	169.3	902	0
15	2014	57	930	1.616	1.894	2.03	101.5	98.5	102.2	45.18	30.41	24.29	-1.666	-2.236	-2.885	-0.57	-1.218	-0.65	72.25	195.9	902	0
15	2014	57	945	1.015	1.109	1.221	98.2	90.9	106.9	76.88	61.22	40.68	-1.625	-2.176	-2.787	-0.551	-1.162	-0.61	72.47	263.9	901	0
15	2014	57	1000	1.347	1.558	1.732	156.8	153.3	155.6	46.13	36.93	25.22	-1.147	-1.807	-2.52	-0.661	-1.373	-0.71	71.01	235.1	901	0
15	2014	57	1015	1.159	1.276	1.224	219.5	222	219.3	67.45	51.12	47.18	-0.982	-1.467	-2.153	-0.484	-1.171	-0.69	70.57	418.9	901	0
15	2014	57	1030	1.679	1.911	1.895	208.6	205.6	215.1	28.06	24.61	32.45	-0.381	-1.122	-1.87	-0.741	-1.489	-0.75	67.43	474.9	901	0
15	2014	57	1045	1.488	1.721	1.747	225.7	221.2	219.4	61.25	49.32	35.74	-0.117	-0.793	-1.429	-0.676	-1.312	-0.64	66.66	488.5	901	0
15	2014	57	1100	2.206	2.582	2.523	234.4	230.6	234.9	27.62	19.96	20.37	0.44	-0.399	-1.215	-0.839	-1.655	-0.82	65.02	536.3	900	0
15	2014	57	1115	1.883	2.258	2.5	229.9	224.9	217.7	27.78	25.85	22.51	1.2	0.202	-0.605	-0.998	-1.805	-0.81	62.25	558.9	900	0
15	2014	57	1130	2.022	2.483	2.728	229.3	226.6	226.6	43.19	36.55	21.62	1.553	0.58	-0.299	-0.973	-1.853	-0.88	60.27	725.7	900	0
15	2014	57	1145	2.107	2.445	2.743	196.4	198.3	197.2	28.09	25.74	18.72	1.714	0.896	0.089	-0.819	-1.626	-0.81	59.23	647.3	899	0
15	2014	57	1200	2.326	2.913	3.022	237.4	233.7	225.9	31.45	26.09	22.51	2.643	1.58	0.641	-1.063	-2.002	-0.94	56.81	775.6	899	0
15	2014	57	1215	2.532	3.135	3.231	214.8	210	210.4	28.39	28.94	22.64	3.105	1.925	0.984	-1.181	-2.122	-0.94	54.67	887	898	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	57	1245	2.765	3.352	3.888	210	213.3	217.9	49.5	44.2	30.25	4.035	2.798	1.847	-1.237	-2.189	-0.95	51.26	850	897	0
15	2014	57	1300	3.399	4.314	4.61	243.8	240.9	237.4	22.27	18.12	12.91	4.772	3.218	2.24	-1.554	-2.532	-0.98	49.19	839	897	0
15	2014	57	1315	3.177	3.775	4.272	199.4	198.2	198.2	31.78	25.15	22.76	4.833	3.483	2.644	-1.35	-2.189	-0.84	49.69	826	896	0
15	2014	57	1330	3.02	3.675	4.02	186	184	185.3	35.35	28.26	20.49	5.142	3.733	2.846	-1.409	-2.296	-0.89	49.11	843	896	0
15	2014	57	1345	2.581	3.254	3.568	208.6	203.3	203	24.95	23.22	19.41	4.953	3.853	3.175	-1.1	-1.777	-0.68	49.62	541.8	896	0
15	2014	57	1400	3.408	4.187	4.55	193.7	189.8	187.4	19.75	16.67	13.95	5.607	4.365	3.583	-1.242	-2.024	-0.78	48.49	618.6	895	0
15	2014	57	1415	3.392	4.298	4.654	205.8	203.8	201.2	24.77	24.18	22.36	6.363	4.844	4.044	-1.52	-2.319	-0.8	45.54	762.6	895	0
15	2014	57	1430	3.07	3.801	4.364	204	204.9	204.5	25.76	20.25	14.55	6.325	5.096	4.242	-1.229	-2.082	-0.85	45.51	719.3	895	0
15	2014	57	1445	3.422	4.348	4.914	196.1	194.9	196.3	20.39	16.58	13.69	6.892	5.635	4.702	-1.258	-2.19	-0.93	43.98	534.4	895	0
15	2014	57	1500	3.459	4.357	4.823	200.9	199.5	201.1	18.66	13.79	9.57	7.055	5.84	5	-1.215	-2.055	-0.84	43.59	541.5	894	0
15	2014	57	1515	3.583	4.588	5.072	203.7	199.1	199.9	22.48	19.23	15.93	7.409	6.151	5.235	-1.258	-2.174	-0.92	43.07	532.1	894	0
15	2014	57	1530	3.76	4.793	5.144	203.8	200.7	202.3	17.38	13.45	10.96	7.36	6.083	5.259	-1.277	-2.101	-0.82	43.12	517.4	894	0
15	2014	57	1545	3.333	4.177	4.802	199.1	198.1	200.1	17.38	17.49	12.38	7.48	6.364	5.369	-1.116	-2.111	-1	43.11	471.6	894	0
15	2014	57	1600	3.79	4.931	5.393	197.9	195.7	195.9	17.55	15.2	13.24	7.554	6.404	5.55	-1.15	-2.004	-0.85	42.83	410.2	894	0
15	2014	57	1615	3.684	4.723	5.069	194	191.9	192.3	14.96	13.13	11.17	7.482	6.41	5.669	-1.072	-1.813	-0.74	43.22	353.2	894	0
15	2014	57	1630	3.718	5.123	5.633	203.3	201.5	203.6	16.08	12.33	8.27	7.507	6.562	5.829	-0.944	-1.677	-0.73	43.44	294.1	893	0
15	2014	57	1645	3.87	5.202	5.865	200.3	197.3	195.7	15.19	11.88	9.04	7.394	6.594	5.862	-0.801	-1.532	-0.73	43.5	233.1	893	0
15	2014	57	1700	4.006	5.522	6.001	192.8	191	192.1	13.92	9.99	7.858	7.038	6.403	5.791	-0.635	-1.247	-0.61	44.71	173.5	893	0
15	2014	57	1715	3.877	5.48	6.243	189.5	186.2	186.8	13.01	9.79	7.755	6.726	6.266	5.656	-0.46	-1.07	-0.61	45.87	116.6	893	0
15	2014	57	1730	3.79	5.439	6.317	184.2	182.2	183.4	13.63	9.35	7.331	6.43	6.175	5.636	-0.255	-0.794	-0.54	47.09	64.19	893	0
15	2014	57	1745	3.403	4.975	5.945	179.7	177.7	179.5	13.29	9.25	6.504	6.02	5.965	5.558	-0.056	-0.462	-0.41	48.75	23.58	893	0
15	2014	57	1800	2.885	4.284	5.79	177.4	175.7	176.3	11.75	8.48	5.492	5.541	5.634	5.359	0.092	-0.183	-0.28	50.4	4.68	893	0
15	2014	57	1815	2.587	3.997	5.718	181.9	179.6	180.2	11.86	7.559	4.332	5.056	5.248	5.089	0.192	0.033	-0.16	52.29	1.021	893	0
15	2014	57	1830	2.906	4.48	6.63	176.9	175.3	177.6	10.76	6.545	3.419	4.674	4.876	4.797	0.202	0.123	-0.08	54.35	0.779	893	0
15	2014	57	1845	2.71	4.128	6.378	179.3	178	179.2	10.69	6.889	2.763	4.312	4.499	4.448	0.187	0.136	-0.05	56.46	0.767	893	0
15	2014	57	1900	2.329	3.777	5.955	166.7	166.5	171.6	14.45	9.34	5.976	3.875	4.131	4.12	0.255	0.245	-0.01	58.46	0.754	893	0
15	2014	57	1915	2.446	3.9	5.815	163.8	161.8	164	10.78	6.253	3.827	3.525	3.819	3.817	0.294	0.291	0	60.22	0.744	893	0
15	2014	57	1930	2.562	3.914	6.05	160.1	158.2	161.1	11.3	6.809	3.755	3.341	3.537	3.466	0.196	0.125	-0.07	61.84	0.747	894	0
15	2014	57	1945	2.232	3.567	5.522	150.3	149.2	154.3	10.36	6.931	4.25	2.978	3.242	3.183	0.264	0.205	-0.06	64.02	0.728	894	0
15	2014	57	2000	2.474	3.895	6.071	151.6	150.1	154.5	11.97	8.33	4.231	2.771	2.982	2.96	0.21	0.189	-0.02	65.91	0.7	894	0
15	2014	57	2015	2.473	3.971	6.108	149.8	147.9	151.6	13.88	8.84	4.505	2.546	2.771	2.71	0.225	0.164	-0.06	67.09	0.705	894	0
15	2014	57	2030	2.699	4.121	6.319	162.9	159.7	159.1	10.96	6.99	3.714	2.395	2.577	2.504	0.182	0.109	-0.07	68.5	0.764	894	0
15	2014	57	2045	2.531	4.048	6.032	162.3	160.7	161.9	10.6	5.894	3.086	2.114	2.333	2.272	0.219	0.158	-0.06	69.75	0.747	894	0
15	2014	57	2100	2.459	3.83	5.928	165.1	161.9	161.5	10.73	6.464	3.148	1.892	2.088	2.015	0.196	0.123	-0.07	71.15	0.797	894	0
15	2014	57	2115	2.288	3.642	5.62	167.6	164.3	162.4	10.68	6.897	4.054	1.682	1.891	1.799	0.209	0.117	-0.09	72.47	0.651	894	0
15	2014	57	2130	1.958	3.268	5.212	165.9	163.3	164.1	11.09	7.183	4.162	1.36	1.622	1.55	0.262	0.19	-0.07	74.01	0.647	894	0
15	2014	57	2145	1.517	2.705	4.602	149.3	151	156.3	12.9	8.6	4.753	0.937	1.295	1.304	0.358	0.367	0.01	75.96	0.635	894	0
15	2014	57	2200	1.463	2.654	4.638	139.5	141.5	146.1	9.94	5.941	3.828	0.588	1.081	1.194	0.493	0.606	0.11	78.08	0.599	894	0
15	2014	57	2215	1.028	2.253	4.484	123.1	129.5	134	11.71	7.062	6.78	-0.15	0.74	0.993	0.89	1.142	0.25	80	0.538	894	0
15	2014	57	2230	1.807	3.141	5.678	133.7	133.5	137.6	12.88	8.51	3.492	-0.017	0.45	0.664	0.467	0.681	0.21	80.9	0.722	894	0
15	2014	57	2245	1.643	3.072	5.651	132.7	133.9	137.2	8.9	4.779	1.656	-0.177	0.238	0.656	0.415	0.833	0.42	80.8	0.644	894	0
15	2014	57	2300	1.269	2.532	5.509	147.8	141.7	137.9	17.9	10.8	3.718	-0.546	-0.016	0.56	0.531	1.107	0.58	82.7	0.673	894	0
15	2014	57	2315	0.986	2.189	5.14	135.9	139.7	140.3	25.7	12.05	3.164	-0.857	-0.219	0.377	0.638	1.233	0.6	84	0.607	894	0
15	2014	57	2330	0.81	2.014	4.993	143.7	139.1	143.5	12.86	6.755	2.398	-1.109	-0.376	0.257	0.733	1.366	0.63	85	0.604	894	0
15	2014	57	2345	0.88	1.938	4.745	139.1	147.8	149.1	29.45	9.66	2.277	-1.306	-0.469	0.226	0.837	1.531	0.7	85.3	0.643	894	0
15	2014	57	2400	1.146	2.355	4.817	102.9	129.4	143	26.39	8.07	2.991	-1.62	-0.313	0.26	1.307	1.88	0.57	86.9	0.611	894	0
15	2014	58	15	0.87	2.348	4.762	124.5	139.6	144.7	24.83	3.9	2.216	-1.643	-0.374	0.193	1.269	1.836	0.57	88.5	0.663	894	0
15	2014	58	30	0.62	1.109	3.409	40.28	120.4	139.2	7.39	8.75	3.419	-1.516	-0.595	0.04	0.922	1.556	0.64	88.4	0.429	894	0
15	2014	58	45	0.774	1.027	3.263	32.46	106.5	134.5	7.383	5.106	1.658	-2.6	-0.454	0.006	2.147	2.607	0.46	89.1	0.44	894	0
15	2014	58	100	0.609	0.9	2.715	7.799	127.1	141.9	20.57	8.57	3.753	-2.79	-0.282	0.049	2.508	2.839	0.33	89.2	0.435	894	0
15	2014	58	115	0.974	0.889	2.564	44.55	98.6	137.2	9.22	11.87	2.992	-3.467	-0.364	0.05	3.103	3.517	0.41	89.1	0.38	894	0
15	2014	58	130	1.134	0.855	2.812	45.45	76.78	132.2	6.723	9.49	2.319	-3.343	-0.474	0.067	2.869	3.41	0.54	90.6	0.502	894	0
15	2014	58	145	0.745	0.962	2.736	46.78	116	138.5	13.03	31.39	7.268	-3.36	-0.573	0.09	2.786	3.45	0.66	90.4	0.461	894	0
15	2014	58	200	1.059	0.754	2.317	28.61	91.8	136.6	14.19	40.51	10.3	-3.683	-0.651	0.023	3.032	3.706	0.67	90.2	0.346	894	0
15	2014	58	215	0.8	0.874	1.766	18.62	65.85	121.4	14.65	24.66	4.878	-3.274	-0.647	-0.181	2.627	3.093	0.47	92.1	0.431	894	0
15	2014	58	230	0.848	0.897	1.729	20.79	63.44	127.9	19.8	37.47	7.242	-3.618	-0.59	-0.038	3.029	3.58	0.55	90.6	0.47	894	0
15	2014	58	245	1.219	1.75	1.315	33.23	9.9	95.8	9.34	4.235	9.15	-3.466	-0.468	-0.101	2.998	3.365	0.37	92.4	0.444	894	0
15	2014	58	300	1.157	2.099	1.27	39.46	1.746	76.96	10.84	8.83	14.03	-3.183	-0.834	-0.091	2.349	3.092	0.74	93.4	0.432	893	0
15	2014	58	315	0.961	2.35	1.347	39.64	18.75	87.5	15.99	6.675	14.8	-2.837	-1.631	0.021	1.206	2.858	1.65	93.8	0.546	893	0
15	2014	58	330	0.986	2.196	1.292	26.25	18.93	45.54	15.72	6.904	15.97	-2.349	-1.684	-0.08	0.665	2.269	1.6	92.9	0.587	893	0
15	2014	58	345	1.017	2.076	1.53	22.46	17	12.48	8.64	3.709	12.04	-1.897	-1.57	-0.074	0.328	1.823	1.5	91 9	0.545	893	0
15	2014	58	400	0.897	1.964	2.093	31.31	21.64	348.6	10.63	3.147	7.563	-1.547	-1.436	-0.118	0.11	1.428	1.32	90.9	0.541	893	0
15	2014	58	415	1.024	2.158	2.274	42	31.76	356.3	10.12	4.309	7.221	-1.302	-1.148	0.026	0.153	1.328	1.17	89.7	0.629	893	0
15	2014	58	430	1.041	1.845	2.521	22.72	22.56	357.1	18.63	8.98	6.364	-0.956	-1.11	0.11	-0.154	1.066	1.22	88.9	0.603	893	0
15	2014	58	445	0.946	1.803	2.084	36.14	38.99	5.855	14.28	6.48	7.135	-1.06	-1.171	0.117	-0.111	1.177	1.29	88.3	0.379	893	0
15	2014	58	500	0.978	1.829	1.901	20.83	35.83	7.224	9.32	2.019	3.891	-1.313	-0.989	0.1	0.324	1.413	1.09	88.7	0.336	893	0
15	2014	58	515	0.985	2.258	1.746	43.17	39.21	20.91	10.17	3.233	7.777	-1.466	-0.832	0.22	0.633	1.686	1.05	89.6	0.502	893	0
15	2014	58	530	1.039	2.254	1.564	38.62	46.34	32.28	10.84	2.4	4.3	-1.347	-0.853	0.287	0.493	1.634	1.14	89.5	0.402	893	0
15	2014	58	545	1.077	2.294	1.772	33.98	38.07	26.93	9.95	6.12	3.956	-1.134	-0.919	0.264	0.215	1.398	1.18	89.2	0.538	893	0
15	2014	58	600	0.853	1.721	1.637	28.2	27.05	19.53	16.81	7.287	8.89	-0.713	-0.79	0.357	-0.077	1.069	1.15	88.1	0.559	893	0
15	2014	58	615	0.823	1.737	2.011	35.09	27.9	18.73	12.04	4.809	3.525	-0.515	-0.517	0.328	-0.002	0.842	0.84	87.4	0.565	893	0
15	2014	58	630	0.932	1.795	1.971	19.58	17.59	11.05	16.09	10.2	8.65	-0.363	-0.331	0.472	0.032	0.834	0.8	87.1	2.222	893	0
15	2014	58	645	1.147	2.173	2.464	33.15	24.11	15.84	16.11	9.79	7.782	-0.264	-0.289	0.522	-0.025	0.786	0.81	86.7	8.32	893	0
15	2014	58	700	0.973	1.783	2.412	19.81	21.42	18.45	17	9.15	4.35	-0.043	-0.186	0.518	-0.143	0.561	0.7	85.8	23.23	893	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	58	715	1.051	1.791	2.391	21.38	18.71	13.69	13.8	8.35	3.687	0.375	0.096	0.619	-0.279	0.243	0.52	84.8	63.84	893	0
15	2014	58	730	0.951	1.252	1.277	22.95	21.32	11.25	22.17	16.03	17.13	0.952	0.624	0.741	-0.328	-0.211	0.12	81.8	82.2	893	0
15	2014	58	745	0.565	0.655	0.781	20.07	10.24	343.9	53.04	37.77	33.3	1.108	0.861	0.874	-0.247	-0.234	0.01	81.1	143.5	893	0
15	2014	58	800	0.774	0.778	0.964	288.5	274.6	238.1	69.26	56.87	51.49	2.063	1.944	1.354	-0.118	-0.709	-0.59	75.73	306.5	893	0
15	2014	58	815	1.223	1.512	1.566	222	214.8	210.8	40.47	39.81	26.07	2.973	2.462	1.782	-0.511	-1.191	-0.68	70.58	349.2	893	0
15	2014	58	830	1.813	2.222	2.284	207	201.4	201.1	20.62	17.11	15.08	3.73	2.952	2.323	-0.778	-1.407	-0.63	66.72	392.3	893	0
15	2014	58	845	1.881	2.283	2.306	219	220.9	210.8	31.48	29.05	18.84	4.155	3.433	2.706	-0.722	-1.449	-0.73	63.56	452.1	893	0
15	2014	58	900	1.814	2.164	2.415	207.5	203.9	205.1	23.71	15.96	14.54	4.562	3.813	3.156	-0.749	-1.406	-0.66	62.42	505.2	893	0
15	2014	58	915	1.964	2.287	2.6	197.1	193.7	192.3	26.55	24.09	16.61	5.252	4.442	3.728	-0.81	-1.524	-0.71	60.2	550.9	893	0
15	2014	58	930	2.337	2.783	2.837	214.2	208.7	204.6	21.62	19.13	17.41	6.059	5.138	4.45	-0.921	-1.609	-0.69	57.49	595.4	893	0
15	2014	58	945	2.219	2.61	3.03	208	202.3	200.8	28.43	24.99	17.72	6.618	5.701	4.953	-0.917	-1.665	-0.75	55.94	640	893	0
15	2014	58	1000	2.14	2.538	2.772	214.2	212.1	206.4	26.93	19.71	17.47	7.483	6.63	5.906	-0.853	-1.577	-0.72	53.55	679.7	893	0
15	2014	58	1015	1.805	2.289	2.609	200.4	196.6	196.4	37.84	24.46	17.74	8.46	7.472	6.767	-0.992	-1.698	-0.7	50.79	718	892	0
15	2014	58	1030	2.122	2.524	2.709	196.2	196.5	204.6	35	28.33	18.89	9.15	8.19	7.466	-0.957	-1.683	-0.72	48.31	750.2	892	0
15	2014	58	1045	2.404	2.817	3.222	201	196.1	194.7	27.63	24.82	15.18	10.11	8.99	8.19	-1.127	-1.923	-0.8	45.86	776.2	892	0
15	2014	58	1100	2.758	3.394	3.643	200.2	195.1	196.4	24.71	22.81	18.59	10.88	9.59	8.77	-1.297	-2.117	-0.82	43.64	798.9	891	0
15	2014	58	1115	2.31	2.985	3.247	202.2	203.3	203.9	31.77	27.55	21.16	11.68	10.48	9.6	-1.201	-2.077	-0.88	41.25	820	891	0
15	2014	58	1130	2.844	3.448	3.844	220.7	217.1	216.6	30.73	28.9	21.16	12.47	11.35	10.42	-1.123	-2.048	-0.93	39.85	836	891	0
15	2014	58	1145	2.73	3.211	3.655	211.1	207.9	208.5	28.59	22.83	19.92	13.28	12.08	11.26	-1.202	-2.026	-0.82	37.54	855	891	0
15	2014	58	1200	2.777	3.236	3.633	203.1	198.4	201.5	25.15	20.3	15.61	13.95	12.68	11.84	-1.275	-2.113	-0.84	36.05	867	890	0
15	2014	58	1215	3.332	4.174	4.428	203.6	203	204.6	18.26	13.59	11.01	15.2	13.56	12.71	-1.641	-2.491	-0.85	33.85	873	890	0
15	2014	58	1230	2.936	3.654	4.007	213.1	212.3	212.3	20.56	16.81	13.14	15.91	14.59	13.7	-1.315	-2.205	-0.89	32.48	875	889	0
15	2014	58	1245	2.709	3.287	3.625	224.1	221.9	213.6	24.28	21.2	16.31	16.76	15.57	14.71	-1.188	-2.056	-0.86	30.99	868	889	0
15	2014	58	1300	2.692	3.315	3.657	213.1	207.8	208.3	21.94	19.37	15.18	17.7	16.41	15.55	-1.29	-2.158	-0.86	29.37	854	889	0
15	2014	58	1315	3.007	3.667	3.953	225.4	222.6	218.8	21.32	19.77	13.87	18.89	17.5	16.57	-1.381	-2.31	-0.93	27.11	839	888	0
15	2014	58	1330	2.892	3.512	3.759	199.2	200.2	207.7	19.97	15.91	13.59	19.85	18.46	17.54	-1.387	-2.304	-0.92	25.16	824	888	0
15	2014	58	1345	3.279	4.041	4.343	215.6	213.4	213.2	18.51	17.17	13.56	20.19	18.91	18.03	-1.285	-2.156	-0.88	24.42	805	888	0
15	2014	58	1400	3.021	3.723	4.133	215.4	212.7	211.4	22.07	19.99	15.01	21	19.69	18.82	-1.312	-2.18	-0.87	23.16	779.8	887	0
15	2014	58	1415	3.145	3.855	4.12	221.9	219.8	218.2	20.23	17.33	14.75	21.37	20.16	19.36	-1.215	-2.011	-0.8	21.9	746.3	887	0
15	2014	58	1430	2.7	3.343	3.4	216.5	213	210.6	26.43	22.9	21.23	21.41	20.3	19.63	-1.109	-1.786	-0.67	21.69	708.7	886	0
15	2014	58	1445	2.895	3.672	4.055	190	189.7	196.7	30	23.91	18.42	21.95	20.75	19.9	-1.202	-2.052	-0.85	21.15	669.1	886	0
15	2014	58	1500	3.258	4.279	4.874	197	197.5	198.2	26.45	23.76	22.04	22.51	21.21	20.42	-1.3	-2.088	-0.79	20.45	621.3	886	0
15	2014	58	1515	3.415	4.336	4.991	218.6	216.8	218.5	18.79	16.89	14.51	22.8	21.73	20.94	-1.066	-1.855	-0.79	19.03	575	885	0
15	2014	58	1530	3.997	5.392	6.294	219	218.9	220.9	20.77	18.99	16.06	23.52	22.42	21.56	-1.098	-1.955	-0.86	17.43	528.4	885	0
15	2014	58	1545	5.17	7.004	8.13	235.8	234.9	235.2	16.14	13.39	10.69	23.56	22.63	21.89	-0.93	-1.675	-0.74	16.64	473.5	885	0
15	2014	58	1600	4.568	6.307	7.355	235.9	234.6	236.1	14.73	12.85	10.18	23.68	22.9	22.19	-0.78	-1.495	-0.71	16.17	413.5	885	0
15	2014	58	1615	4.61	6.302	7.652	237.4	237	238.3	13.24	11.83	9.22	23.87	23.22	22.51	-0.643	-1.356	-0.71	15.68	357.3	885	0
15	2014	58	1630	6.08	9.47	11.45	258.2	258.8	260.5	16.86	14.84	13.8	24.16	23.69	23.09	-0.474	-1.068	-0.6	13.57	300.8	885	0
15	2014	58	1645	6.491	9.9	12.63	259.2	259.7	261.5	13	10.89	8.71	24.07	23.76	23.23	-0.311	-0.84	-0.53	12.86	239	885	0
15	2014	58	1700	6.02	9.26	11.82	260.6	260.3	262	11.61	8.15	7.279	23.68	23.49	23.03	-0.191	-0.643	-0.46	13.32	180.8	884	0
15	2014	58	1715	6.322	9.54	12.46	258.8	259.8	262.6	12.11	9.45	6.255	23.25	23.2	22.86	-0.048	-0.395	-0.34	13.69	124.1	884	0
15	2014	58	1730	6.084	9.67	12.15	264.7	265.2	265.3	11.26	8.28	5.919	22.79	22.88	22.63	0.09	-0.166	-0.25	13.96	71.15	884	0
15	2014	58	1745	5.16	8.43	11.15	264.1	264.1	265	10.91	7.12	5.177	22.01	22.25	22.16	0.248	0.149	-0.09	15.19	24.79	885	0
15	2014	58	1800	4.556	7.268	10.43	261.5	260.6	262.5	10.75	7.622	4.909	21.19	21.57	21.64	0.389	0.453	0.07	16.71	5.303	885	0
15	2014	58	1815	4.021	6.239	9.57	257.7	258.7	260.7	11.41	7.363	4.567	20.55	20.98	21.24	0.432	0.692	0.26	17.82	1.067	885	0
15	2014	58	1830	3.704	5.878	9.56	260.9	261.8	265.2	10.44	7.428	4.622	19.93	20.44	20.98	0.511	1.047	0.54	18.77	0.872	885	0
15	2014	58	1845	2.408	4.47	8.23	261.5	262.3	265.7	13.4	10.18	5.86	19.37	20.17	21.02	0.796	1.646	0.85	19.01	0.697	885	0
15	2014	58	1900	1.74	3.015	5.908	216.5	230.3	247.5	15.16	10.18	5.409	17.77	19.14	20.14	1.372	2.378	1	21.17	0.483	885	0
15	2014	58	1915	1.677	3.14	6.954	186.4	212.8	236	13.93	9.12	8.07	15.94	17.97	20.1	2.035	4.158	2.13	24.02	0.474	885	0
15	2014	58	1930	1.386	3.404	6.916	180.3	193.4	219.4	10.71	4.22	4.244	14.02	16.89	19.72	2.871	5.7	2.83	27.09	0.658	885	0
15	2014	58	1945	0.73	2.378	7.048	209.1	182.6	207.9	29.38	8.32	3.744	14.14	15.6	18.72	1.462	4.588	3.12	26.78	0.626	885	0
15	2014	58	2000	0.928	2.501	7.817	177.1	185.7	211.2	13.42	6.011	3.393	13.6	15.11	18.63	1.503	5.031	3.52	26.93	0.688	885	0
15	2014	58	2015	0.807	2.524	7.282	169.3	180.3	215.3	13.15	6.795	2.345	13.46	15.12	19.33	1.669	5.875	4.21	27.28	0.764	885	0
15	2014	58	2030	1.122	2.699	6.688	197.7	188.9	222.8	13.65	10.14	5	14.19	15.81	19.65	1.626	5.46	3.84	26.24	1.017	885	0
15	2014	58	2045	1.005	2.693	5.368	167.2	180.7	222.3	15.95	6.288	4.774	13.96	16.52	19.33	2.56	5.372	2.81	26.1	0.745	885	0
15	2014	58	2100	1.136	2.801	4.763	176.5	182.7	224.3	25.18	13.29	7.915	13.54	16.84	18.88	3.302	5.347	2.04	26.63	0.709	885	0
15	2014	58	2115	1.845	3.295	5.368	210.3	213.9	232.7	11.53	8.28	6.309	14.77	17.4	18.39	2.63	3.62	0.99	25.67	1.163	885	0
15	2014	58	2130	1.422	3.002	5.238	214.8	216.3	231.8	10.56	6.477	6.617	14.41	16.92	18.07	2.507	3.659	1.15	25.98	0.775	885	0
15	2014	58	2145	1.343	2.691	5.295	196.6	216.7	239.9	11.06	6.483	5.714	14.41	16.67	18.07	2.26	3.656	1.4	25.89	0.8	885	0
15	2014	58	2200	1.249	2.191	4.591	154.8	206.9	241.5	11.97	9	3.657	12.83	15.98	17.93	3.149	5.102	1.95	27.92	0.551	885	0
15	2014	58	2215	1.013	1.831	3.979	136.8	199.8	241.1	26.89	10.04	5.91	12.11	15.95	17.82	3.844	5.713	1.87	29.78	0.407	885	0
15	2014	58	2230	0.546	2.128	4.014	152.2	187	234.9	41.5	6.865	5.164	11.25	15.85	17.96	4.604	6.714	2.11	31.85	0.512	885	0
15	2014	58	2245	0.779	2.495	4.758	195.8	196.6	240.9	50.73	15.05	10.23	11.67	15.68	18.56	4.012	6.887	2.88	30.84	0.694	885	0
15	2014	58	2300	1.231	2.716	5.006	202.6	210.5	253.5	15.85	9.86	6.437	11.92	15.96	18.65	4.035	6.726	2.69	30.23	0.921	885	0
15	2014	58	2315	1.31	2.823	5.754	191.7	223.5	258.2	7.394	11.01	4.915	11.77	16.06	18.59	4.293	6.817	2.53	30.45	0.87	885	0
15	2014	58	2330	1.487	3.102	6.533	211.9	238.1	262.2	11.66	8.66	2.965	12.54	16.53	18.53	3.993	5.986	2	29.84	1.159	885	0
15	2014	58	2345	1.405	2.551	5.107	181.7	215.3	256.9	20.44	9.54	4.424	12.2	15.31	17.88	3.114	5.682	2.57	29.51	0.847	885	0
15	2014	58	2400	1.157	2.138	4.864	147.4	205.7	256.1	14.57	6.685	6.268	10.35	14.69	17.81	4.335	7.46	3.12	33.34	0.534	885	0
15	2014	59	15	1.98	3.543	6.118	191.5	208.8	251	11.85	9.84	6.356	11.28	14.84	17.95	3.559	6.667	3.11	32.01	0.789	885	0
15	2014	59	30	2.763	4.922	7.206	212.8	228.9	249.6	10.1	7.594	5.566	13.08	16.33	18.02	3.243	4.934	1.69	30.5	1.582	885	0
15	2014	59	45	2.76	4.814	7.272	213.3	228.1	246.8	11.45	8.09	5.049	14.22	16.22	17.79	1.997	3.574	1.57	28.47	1.356	886	0
15	2014	59	100	2.246	4.039	7.359	205.6	218.4	243.8	6.629	4.913	4.049	12.74	15.01	17.75	2.264	5.005	2.74	31.31	0.838	886	0
15	2014	59	115	2.216	3.917	7.056	218.1	224.3	242.5	15.33	11.14	6.256	13.11	14.84	17.45	1.73	4.336	2.61	32.16	0.894	886	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	59	145	2.217	4.025	7.397	252.8	249.7	253.9	15.69	10.32	6.785	13.66	14.91	16.97	1.25	3.314	2.06	32.37	0.86	886	0
15	2014	59	200	2.412	4.246	7.285	245.2	246	254.2	10.39	6.354	4.455	13.46	14.87	16.92	1.411	3.457	2.05	33.41	0.843	886	0
15	2014	59	215	2.077	3.725	6.795	246.7	246.4	261.5	11.24	7.588	6.407	13.2	14.67	16.72	1.472	3.516	2.05	34.08	0.765	886	0
15	2014	59	230	1.524	2.941	5.648	237.1	246.3	269.1	16.72	8.68	8.58	12.8	14.47	15.97	1.677	3.171	1.5	34.45	0.579	886	0
15	2014	59	245	1.557	2.706	5.216	208.9	233.8	264.3	19.39	12.12	7.444	11.54	14.16	15.57	2.618	4.034	1.41	36.28	0.584	886	0
15	2014	59	300	1.347	2.93	6.147	229.3	244.2	271.5	19.26	13.7	10.1	11.85	14.13	15.78	2.29	3.935	1.65	36.25	0.813	886	0
15	2014	59	315	1.548	3.035	5.778	234	250.5	279.9	19.22	12.77	7.963	12.01	14.51	16.17	2.5	4.162	1.66	34.19	0.733	886	0
15	2014	59	330	1.656	2.73	4.699	208	236.3	268.9	18.43	13.17	10.76	10.84	14.39	15.96	3.547	5.122	1.57	37.12	0.648	886	0
15	2014	59	345	1.723	2.354	2.748	18.19	7.452	324.5	50.11	51.46	34.54	11.95	14.58	15.32	2.624	3.373	0.74	34.43	0.592	887	0
15	2014	59	400	1.776	3.613	6.387	6.726	346.5	324.4	28.62	15.67	10.85	10.67	13.98	15.65	3.313	4.986	1.67	37.15	0.674	887	0
15	2014	59	415	1.817	4.403	6.259	341.3	331.5	315.8	11.53	5.814	3.756	11.44	14.16	16.28	2.714	4.841	2.12	34.4	0.849	887	0
15	2014	59	430	1.311	3.599	5.26	343.8	328.1	316	6.947	3.51	2.366	10.74	14.37	16.02	3.624	5.281	1.65	35.68	0.49	887	0
15	2014	59	445	1.576	3.257	4.33	326.7	314.2	312.2	7.318	5.027	3.39	11.27	14.88	16.05	3.608	4.785	1.17	33.62	0.608	887	0
15	2014	59	500	1.847	3.764	4.357	333	316.7	312.8	4.83	3.423	2.226	10.33	14.91	15.9	4.577	5.568	0.99	34.32	0.67	887	0
15	2014	59	515	2.084	4.753	6.361	329.9	320.6	317.1	5.526	3.055	2.093	9.82	14.68	15.52	4.857	5.702	0.84	35.47	0.706	887	0
15	2014	59	530	1.975	4.803	7.769	320.3	319.1	318.8	6.834	2.698	1.588	10.08	13.14	15.66	3.057	5.582	2.52	35.15	0.911	887	0
15	2014	59	545	1.947	4.748	7.276	321.2	318.5	316.8	6.746	3.161	1.947	9.08	12.96	15.54	3.879	6.459	2.58	36.82	0.701	887	0
15	2014	59	600	2.399	5.486	8.32	347.3	335.8	325.6	12.9	8.05	5.532	9.51	12.6	15.21	3.085	5.697	2.61	35.51	0.963	887	0
15	2014	59	615	2.493	5.552	9.23	343.6	337.1	325.3	13.11	6.92	4.371	9.84	12.3	15.45	2.458	5.615	3.15	34	1.348	888	0
15	2014	59	630	1.819	4.081	8.52	336.5	332.9	323.6	9.8	4.833	1.884	9.46	11.43	15.26	1.967	5.796	3.83	33.08	4.436	888	0
15	2014	59	645	1.414	3.989	7.698	358.3	349.3	329.7	19.92	5.94	3.178	8.21	11.37	14.95	3.161	6.74	3.58	36.43	35.57	888	0
15	2014	59	700	0.93	2.655	7.245	287.5	325.9	325.6	13.05	11.96	2.55	8.58	11.09	15.09	2.505	6.506	4	36.37	83	888	0
15	2014	59	715	1.216	2.259	4.486	252.3	265.7	310.3	39.23	33.89	14.34	9.59	10.48	12.98	0.886	3.386	2.5	34.57	138.8	888	0
15	2014	59	730	1.069	1.95	3.002	262.4	274.1	299.7	29.31	15.51	4.213	11.2	11.39	13.15	0.19	1.948	1.76	31.73	197.1	889	0
15	2014	59	745	1.493	1.963	3.073	241.1	244.5	277.8	38.2	39.07	27.87	13.06	12.78	13.5	-0.281	0.439	0.72	28.19	255.6	889	0
15	2014	59	800	1.715	2.122	2.696	221.3	224	255.4	20.51	21.18	26.74	14	13.56	13.58	-0.435	-0.421	0.02	26.63	319.9	889	0
15	2014	59	815	1.757	2.093	2.175	232.5	234.1	250.9	15.81	14.69	13.87	15.15	14.69	14.21	-0.457	-0.938	-0.48	24.59	354.3	889	0
15	2014	59	830	1.761	2.015	2.352	278.4	277.2	283.4	31.37	29.64	20.1	16.23	15.82	15.28	-0.414	-0.957	-0.54	22.6	401.8	889	0
15	2014	59	845	2.566	2.902	3.271	288.1	288.2	290.1	14.48	12.67	9.24	16.89	16.37	15.73	-0.518	-1.163	-0.64	20.6	478.1	890	0
15	2014	59	900	2.897	2.976	2.886	306.3	305.7	307.1	15.39	11.29	8.14	17.33	16.78	16.15	-0.557	-1.18	-0.63	19.99	529.5	890	0
15	2014	59	915	2.694	2.872	2.585	295.5	294.2	299.8	16.33	12.84	9.23	18.12	17.5	16.88	-0.622	-1.239	-0.62	18.46	579.5	890	0
15	2014	59	930	2.607	2.699	2.704	302.6	302.4	301.5	19.42	13.37	10.99	18.59	18.02	17.46	-0.572	-1.138	-0.56	17.3	625.2	890	0
15	2014	59	945	2.765	3.075	3.147	295.6	297.1	296.8	19.08	13.94	10.1	19.26	18.44	17.8	-0.823	-1.458	-0.64	15.53	674.3	890	0
15	2014	59	1000	2.497	2.693	2.846	295.9	294.9	295	26.7	20.04	15.54	19.64	18.85	18.19	-0.795	-1.454	-0.66	15.36	706.2	890	0
15	2014	59	1015	3.502	3.986	4.386	294.9	295.1	291.3	17.63	14.62	13.72	20.12	19.29	18.56	-0.835	-1.56	-0.73	14.62	722.1	890	0
15	2014	59	1030	3.77	5.015	5.8	280.4	278.6	281	21.19	18.64	15	20.97	19.95	19.01	-1.018	-1.964	-0.94	14.06	755.6	890	0
15	2014	59	1045	3.331	4.407	4.947	245.3	246.2	256	17.9	14.17	14.8	21.38	20.08	19.32	-1.305	-2.062	-0.76	13.77	795.6	889	0
15	2014	59	1100	3.524	4.549	5.196	243	245.7	252.3	17.75	15.34	11.55	21.74	20.41	19.53	-1.327	-2.204	-0.88	13.56	823	889	0
15	2014	59	1115	3.261	4.315	4.705	249.8	250.3	248.4	17.86	16.18	16.12	21.87	20.66	19.82	-1.215	-2.057	-0.84	13.53	712.6	889	0
15	2014	59	1130	2.722	3.491	3.886	266.9	263.3	255.9	29.05	22.07	21.52	22.25	21.31	20.4	-0.939	-1.851	-0.91	12.98	838	889	0
15	2014	59	1145	4.203	5.844	6.528	250.7	251	255.2	26.23	21.14	15.05	23.19	21.78	20.76	-1.418	-2.436	-1.02	11.21	864	889	0
15	2014	59	1200	4.507	6.321	7.212	254.9	255.4	256.4	16	13.41	14.18	23.51	22.05	21.04	-1.458	-2.467	-1.01	9.97	866	889	0
15	2014	59	1215	4.269	5.798	6.959	249.5	248.2	248.3	15.67	13.39	11.14	23.76	22.3	21.3	-1.467	-2.464	-1	10.17	888	888	0
15	2014	59	1230	4.763	6.383	7.03	240.3	240.2	240.5	15.41	12.33	10	23.64	22.12	21.18	-1.52	-2.458	-0.94	10.59	864	888	0
15	2014	59	1245	3.798	4.908	5.554	233.1	232.7	237	21.11	20.15	14.17	23.53	22.22	21.27	-1.313	-2.264	-0.95	10.82	868	888	0
15	2014	59	1300	4.53	5.619	6.328	236.1	234.8	235.2	15.69	13.79	11.71	24.07	22.69	21.61	-1.382	-2.453	-1.08	10.18	873	888	0
15	2014	59	1315	3.718	4.971	5.636	249.8	247.7	249.7	25.34	22.38	19.5	24.19	22.65	21.66	-1.542	-2.529	-0.99	9.73	868	887	0
15	2014	59	1330	4.088	5.24	5.864	234	234.6	238.8	17.02	16.48	14.46	24.4	22.97	22.05	-1.425	-2.346	-0.92	9.21	845	887	0
15	2014	59	1345	3.781	4.896	5.611	247.5	249.6	249.8	18.38	15.5	14.43	24.63	23.26	22.37	-1.368	-2.266	-0.89	8.25	828	887	0
15	2014	59	1400	3.652	4.903	5.522	249.9	250.2	251.5	16.41	13.94	12.6	24.79	23.32	22.44	-1.478	-2.358	-0.88	7.587	800	887	0
15	2014	59	1415	3.004	3.773	4.061	224.8	225.2	232	18.87	15.62	14.27	24.95	23.81	22.91	-1.141	-2.039	-0.9	7.622	768.6	887	0
15	2014	59	1430	3.022	4.003	4.393	250	249.4	244	33.05	28.37	24.97	24.83	23.73	22.82	-1.102	-2.008	-0.91	8.62	728.9	887	0
15	2014	59	1445	2.362	3.047	3.732	165.3	160.9	170.2	50.08	46.03	38.17	25.06	24.03	23.15	-1.034	-1.911	-0.88	8.95	689.1	887	0
15	2014	59	1500	3.058	3.784	4.257	208	206.7	209.1	23.98	20.57	14.61	25.46	24.38	23.59	-1.08	-1.879	-0.79	8.93	641.2	887	0
15	2014	59	1515	3.115	4.095	4.667	245.1	246.6	245.7	19.57	17.57	19.66	25.81	24.8	23.95	-1.011	-1.86	-0.85	8.56	592	887	0
15	2014	59	1530	4.196	5.585	6.476	225.4	224.8	230.4	19.01	16.79	13.24	26.1	25.05	24.15	-1.05	-1.942	-0.9	8.21	545.9	887	0
15	2014	59	1545	4.507	6.162	7.559	241.3	244	249.4	13.88	11.47	7.935	26.11	25.13	24.3	-0.975	-1.808	-0.83	8.14	492.2	887	0
15	2014	59	1600	4.933	6.894	8.26	246.1	246.4	250	12.59	9.76	7.534	25.9	25.08	24.31	-0.825	-1.595	-0.77	8.17	430.8	887	0
15	2014	59	1615	5.276	7.514	8.88	253.8	255.2	257.2	15.14	11.78	9.79	25.8	25.13	24.46	-0.668	-1.34	-0.67	8.85	376.5	887	0
15	2014	59	1630	5.183	7.516	9.04	254.3	254.8	255.8	12.3	8.31	5.79	25.49	24.93	24.27	-0.567	-1.219	-0.66	8.76	316.7	887	0
15	2014	59	1645	5.492	7.875	10.01	250.5	250.7	255.3	13.73	10.49	8.49	25.28	24.88	24.31	-0.404	-0.97	-0.57	9.81	253.4	887	0
15	2014	59	1700	6.256	8.82	10.86	248.2	248.9	251.6	11.22	8.74	5.687	24.76	24.52	24.04	-0.237	-0.719	-0.48	11.04	190.8	887	0
15	2014	59	1715	5.777	8.65	10.93	257.1	257.8	261.2	11.45	8.32	6.172	24.37	24.29	23.91	-0.083	-0.462	-0.38	10.94	131.9	887	0
15	2014	59	1730	4.553	6.899	8.94	258.1	258.3	260.9	11.03	7.877	5.563	23.84	23.94	23.69	0.1	-0.157	-0.25	11.82	77.25	887	0
15	2014	59	1745	4.664	7.357	9.82	261.7	261.7	264.4	10.83	7.45	4.992	23.13	23.4	23.33	0.263	0.197	-0.07	13.1	31.21	887	0
15	2014	59	1800	4.247	6.788	9.45	263.3	263.6	265.7	8.99	5.544	3.25	22.34	22.77	22.99	0.432	0.652	0.22	14.37	5.75	888	0
15	2014	59	1815	3.083	5.095	8.32	256.4	256.6	259.7	9.73	7.478	3.538	21.37	22.1	22.95	0.73	1.573	0.85	15.54	0.993	888	0
15	2014	59	1830	2.789	4.609	7.979	254.3	255	259.4	10.36	6.652	3.534	20.87	21.69	22.56	0.814	1.69	0.87	16.53	0.718	888	0
15	2014	59	1845	2.497	4.133	6.795	243.2	243.1	247.3	13.81	9.21	8.54	20.36	21.38	22.22	1.017	1.864	0.84	17.88	0.665	888	0
15	2014	59	1900	2.025	3.564	6.125	230.3	234.3	243.9	16.43	9.71	6.989	19.51	20.89	22.09	1.374	2.571	1.2	19.1	0.638	888	0
15	2014	59	1915	1.474	2.793	4.922	208.6	225.9	244	15.52	9.08	5.909	18.3	20.31	21.65	2.014	3.347	1.34	20.01	0.604	889	0
15	2014	59	1930	1.857	3.611	5.954	206.2	224.9	243.3	6.046	5.852	4.743	17.39	20.1	21.49	2.706	4.097	1.39	21.16	0.78	889	0
15	2014	59	1945	1.541	2.665	5.673	173.9	206.8	239.7	16.89	11.43	5.372	16.38	18.86	21.11	2.481	4.734	2.25	21.81	0.597	889	0
15	2014	59	2000	1.589	2.732	5.235	156.5	188.3	235.1	18.85	5.71	4.43	15.17	18.56	20.71	3.395	5.539	2.15	23.25	0.584	889	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	59	2015	1.782	3.455	6.62	200.8	214.6	244.4	12.18	8.22	5.614	15.18	18.32	20.45	3.137	5.268	2.13	23.38	0.932	889	0
15	2014	59	2030	1.087	2.504	6.106	205.3	235.7	253.5	37.23	10.47	4.361	16.11	18.89	20.7	2.787	4.594	1.81	22.26	0.886	889	0
15	2014	59	2045	2.107	3.967	6.766	211.6	224.1	247	12.86	11.47	5.338	15.72	18.55	20.57	2.835	4.851	2.02	22.79	1.05	889	0
15	2014	59	2100	1.25	2.089	4.658	112.6	155.8	224.7	46.35	26.7	8.46	13.09	15.62	19.03	2.528	5.94	3.41	26.54	0.46	889	0
15	2014	59	2115	1.429	2.233	3.976	119.1	152.9	221.6	24.01	16.86	7.935	13.14	16.6	18.96	3.466	5.822	2.36	27.98	0.482	890	0
15	2014	59	2130	1.487	2.987	3.799	142.5	168	216.8	16.18	7.309	6.298	12.93	18.15	20.2	5.221	7.269	2.05	28.34	0.529	890	0
15	2014	59	2145	0.567	1.99	3.274	195.7	187.1	233.8	100.3	9.68	8.16	13.24	18.69	20.81	5.449	7.568	2.12	28.07	0.468	890	0
15	2014	59	2200	0.793	1.726	3.532	42.67	212.7	245.2	63.42	6.962	13.67	10.18	19.21	21.42	9.03	11.24	2.21	32.28	0.412	890	0
15	2014	59	2215	0.919	2.127	2.541	101	177.3	223.9	76.13	17.1	14.1	11.63	18.39	20.77	6.757	9.14	2.38	31.42	0.469	890	0
15	2014	59	2230	0.756	1.926	2.448	72.34	179.4	247	70.98	12.75	6.325	11.66	17.66	21.33	6.007	9.67	3.67	30.5	0.563	890	0
15	2014	59	2245	1.497	1.115	3.49	19.69	270.4	273.7	9.09	82.3	13.08	9.94	17.44	21.46	7.5	11.52	4.02	34.1	0.363	890	0
15	2014	59	2300	0.976	2.043	4.42	105.9	251	268.3	36.64	14.88	8.68	9.32	19.17	22.24	9.86	12.92	3.07	35.85	0.603	890	0
15	2014	59	2315	1.526	1.72	3.567	66.84	179.6	252.2	30.36	70.29	11.6	9.12	16.66	21.98	7.543	12.87	5.32	37.73	0.638	890	0
15	2014	59	2330	0.769	3.369	3.077	107.7	138.1	201.8	57.5	5.64	13.32	9.98	15.39	19.57	5.409	9.59	4.18	36.16	0.651	890	0
15	2014	59	2345	1.342	4.245	4.436	144.5	156.6	206.6	12.15	6.947	6.17	10.49	16.42	20.07	5.938	9.58	3.65	35.35	0.756	890	0
15	2014	59	2400	1.447	4.262	5.049	152.7	161.1	205.4	32.52	5.49	3.703	11.25	15.48	19.13	4.231	7.88	3.65	33.67	1.019	890	0
15	2014	60	15	1.41	3.733	4.489	146	172.5	202.3	14.32	3.903	4.576	11.23	16.13	17.99	4.906	6.761	1.86	33.68	0.69	890	0
15	2014	60	30	1.135	3.132	3.688	130.1	157.6	201.7	9.1	8.03	6.872	10.54	15.92	17.41	5.374	6.861	1.49	35.56	0.566	891	0
15	2014	60	45	0.553	3.018	4.093	147.8	154.6	219.5	41.38	4.271	8.96	10.38	15.2	17.93	4.815	7.549	2.73	36.47	0.63	891	0
15	2014	60	100	1.236	3.168	3.518	137.3	160	226.9	8.81	3.931	2.704	10.38	15.69	17.47	5.314	7.089	1.78	36.74	0.626	890	0
15	2014	60	115	1.727	3.573	3.533	133.5	151.1	212.8	4.918	4.961	5.646	10.79	15.62	17.25	4.835	6.467	1.63	36.81	0.891	890	0
15	2014	60	130	1.857	4.231	3.623	139	143.8	199.7	7.614	3.596	3.998	11.31	14.42	17.21	3.106	5.892	2.79	35.92	0.727	890	0
15	2014	60	145	1.627	3.953	3.722	138.4	145.2	205.9	7.639	2.869	4.534	11.34	14.44	17.32	3.107	5.978	2.88	35.57	0.701	890	0
15	2014	60	200	1.079	3.349	3.275	150.8	142	207.1	23.88	8.12	6.169	10.89	14.34	16.57	3.452	5.689	2.23	36.52	0.573	890	0
15	2014	60	215	1.507	3.503	4.058	135	159.1	210.8	8.42	4.387	4.552	10.68	15.1	16.44	4.417	5.764	1.34	37.42	0.557	890	0
15	2014	60	230	1.063	3.099	4.985	150.1	165.6	212.5	17.2	13.16	4.876	10.71	14.89	17.25	4.177	6.539	2.36	37.6	0.615	890	0
15	2014	60	245	1.484	3.089	4.246	133.7	155.5	210.7	10.22	12.9	6.865	10.5	15.46	16.96	4.963	6.46	1.5	37.72	0.56	890	0
15	2014	60	300	1.415	3.477	3.962	137.3	152.4	203	8.18	4.083	4.544	10.09	14.92	16.64	4.823	6.545	1.72	38.99	0.572	890	0
15	2014	60	315	1.85	3.639	4.99	142.3	167.9	215.6	7.443	5.929	3.823	10.17	15.09	16.8	4.918	6.63	1.71	39.37	0.766	890	0
15	2014	60	330	1.474	3.377	5.553	152.6	170.7	222.6	10.49	7.491	3.488	10.33	14.89	16.87	4.566	6.544	1.98	39.15	0.747	890	0
15	2014	60	345	1.257	2.931	5.837	160.3	178.2	217.1	17.21	7.28	2.714	10.72	14.26	17.04	3.539	6.32	2.78	38.34	0.832	890	0
15	2014	60	400	1.16	2.7	6.647	154.7	186.4	217.3	8.73	4.34	1.577	10.43	14.36	18.01	3.928	7.578	3.65	38.62	0.764	890	0
15	2014	60	415	1.029	2.668	6.421	153.3	186.7	220.5	8.4	4.066	2.5	10.54	14.34	17.96	3.805	7.426	3.62	38.78	0.711	890	0
15	2014	60	430	0.839	2.27	5.699	256.6	226.8	238.3	44.94	23.19	9.79	10.8	14.73	17.08	3.931	6.273	2.35	37.93	0.793	891	0
15	2014	60	445	1.395	2.648	5.032	173.4	212.4	232.9	18.62	13.79	6.98	11	14.93	16.46	3.936	5.459	1.53	36.62	0.855	891	0
15	2014	60	500	0.725	3.035	4.681	190.9	197.4	224.6	41.11	2.321	1.313	10.13	14.64	16.18	4.508	6.048	1.54	39.62	0.604	891	0
15	2014	60	515	0.682	2.608	4.757	175	193	226.3	59.09	6.072	3.378	9.94	14.05	16.03	4.111	6.096	1.98	39.63	0.653	891	0
15	2014	60	530	1.006	2.556	4.42	133.4	178.3	221.2	10.57	7.335	3.147	9.5	14.19	16.29	4.692	6.791	2.1	40.99	0.753	891	0
15	2014	60	545	0.731	2.432	4.081	102.4	161.4	215.2	42.02	12.47	3.425	9.27	13.67	16.22	4.401	6.947	2.55	42.24	0.509	891	0
15	2014	60	600	0.922	2.911	3.983	129.6	149.9	207.6	21.32	4.589	3.276	9.28	13.26	15.75	3.978	6.473	2.49	41.54	0.633	891	0
15	2014	60	615	1.01	2.647	3.78	85.3	140.3	201.6	65.71	8.49	4.03	9.4	12.48	15.64	3.087	6.24	3.16	42.06	1.08	891	0
15	2014	60	630	0.895	2.986	3.719	104	132.8	196.4	50.48	7.655	6.714	9.71	12.57	15.91	2.866	6.208	3.34	41.05	5.234	891	0
15	2014	60	645	1.264	3.307	5.14	136.3	128.8	178.2	22.56	6.622	5.458	10.57	12.06	15.38	1.495	4.81	3.32	39.07	34.47	891	0
15	2014	60	700	1.907	3.846	6.146	144	142.5	185.3	11.6	7.38	4.611	11.32	12.48	15.04	1.156	3.713	2.56	36.36	44.22	891	0
15	2014	60	715	1.425	3.174	6.938	167.3	166.7	200.1	12.56	6.773	2.399	12.24	13.06	15.51	0.817	3.273	2.45	34.15	86.1	891	0
15	2014	60	730	1.111	2.337	6.579	184.9	179.8	203.4	24.28	12.82	2.557	13.09	13.46	15.9	0.369	2.806	2.44	32.23	130.6	892	0
15	2014	60	745	1.791	2.318	5.084	180.6	182.3	200.3	15.76	12.5	9.17	15.36	14.99	15.95	-0.375	0.589	0.96	28.02	272.2	892	0
15	2014	60	800	1.82	2.314	3.251	191.7	191.4	197.7	14.07	9.92	9.18	16.84	16.46	16.1	-0.386	-0.747	-0.36	24.45	269.9	892	0
15	2014	60	815	1.226	1.672	3.095	194.3	192.7	203.5	12.75	9.98	4.361	17.63	17.3	17.22	-0.329	-0.413	-0.08	23.45	224.2	892	0
15	2014	60	830	1.918	2.592	4.01	197.7	197.8	199.1	11.03	7.205	4.797	18.65	18.41	18.29	-0.244	-0.359	-0.12	22.23	236.6	892	0
15	2014	60	845	2.876	3.707	4.417	207.4	206.8	209.5	13.99	11.1	9.42	19.7	19.15	18.5	-0.551	-1.204	-0.65	19.96	367.3	892	0
15	2014	60	900	3.243	4.333	4.915	225.4	223.6	225.7	15.3	13.16	9.49	20.34	19.64	18.89	-0.701	-1.444	-0.75	19.37	488.1	892	0
15	2014	60	915	3.267	4.256	4.867	222.7	220.8	220.3	21.55	18.73	12.39	21.51	20.45	19.6	-1.063	-1.907	-0.85	18.19	627	892	0
15	2014	60	930	3.69	4.916	5.711	226.3	227.3	229.2	18.5	16.84	13.03	21.95	20.84	20.05	-1.115	-1.901	-0.79	17.36	638.7	892	0
15	2014	60	945	4.025	5.241	5.83	240.1	239.2	238.2	15.08	11.78	10.35	22.4	21.4	20.66	-1.001	-1.74	-0.74	16.71	632.4	892	0
15	2014	60	1000	3.699	5.017	5.744	233.3	231.9	233.8	15.26	13.54	12.67	23.16	22.05	21.24	-1.106	-1.915	-0.81	15.63	636.1	892	0
15	2014	60	1015	3.098	4.437	4.729	251.6	252.8	254.2	19.53	15.87	13.37	22.75	22.08	21.45	-0.673	-1.305	-0.63	15.98	366.1	892	0
15	2014	60	1030	2.467	3.507	4.113	266.2	263.5	259.2	16.48	11.76	11.56	22.72	22.09	21.49	-0.634	-1.237	-0.6	15.93	399.1	891	0
15	2014	60	1045	2.822	3.898	4.498	253.1	254.4	255.6	14.08	9.79	8.63	23.42	22.57	21.94	-0.844	-1.476	-0.63	14.59	516.4	891	0
15	2014	60	1100	3.37	4.698	5.465	255.9	255.4	257.7	13.48	10.7	8.31	24.12	23.1	22.37	-1.02	-1.752	-0.73	12.86	618	891	0
15	2014	60	1115	3.179	4.504	4.934	255.1	255.9	260.6	16.74	13.63	9.7	24.82	23.7	22.86	-1.115	-1.956	-0.84	12.14	727.8	891	0
15	2014	60	1130	3.418	4.477	5.084	245	245.8	247.8	20.67	17.7	12.51	25.06	23.83	23.03	-1.227	-2.026	-0.8	11.39	839	890	0
15	2014	60	1145	3.062	3.797	4.174	230.8	230.1	235.3	21.23	18.23	12.87	25.46	24.16	23.33	-1.3	-2.125	-0.83	10.97	893	890	0
15	2014	60	1200	3.622	4.785	5.409	239.3	241	243.9	25.52	23.4	19.85	26.21	24.61	23.42	-1.602	-2.789	-1.19	10.6	957	890	0
15	2014	60	1215	3.313	4.221	4.367	233.8	234.1	227.5	24.23	21.52	24.08	25.53	24.32	23.5	-1.209	-2.036	-0.82	11.04	867	890	0
15	2014	60	1230	2.76	3.427	3.956	245.3	240.5	233.5	43.75	43.41	44.08	25.8	24.73	23.95	-1.069	-1.852	-0.78	10.8	889	889	0
15	2014	60	1245	2.023	2.325	2.567	271.6	276.9	276.8	54.59	52.52	47.92	25.62	24.98	24.35	-0.64	-1.267	-0.63	11.05	854	889	0
15	2014	60	1300	2.871	3.843	4.429	277.9	278.7	282.1	31.01	21.51	20.85	26.13	25.18	24.37	-0.944	-1.753	-0.81	10.65	818	888	0
15	2014	60	1315	3.308	4.028	4.327	280.2	278.3	271.3	29.99	26.38	26.44	26.55	25.43	24.62	-1.121	-1.931	-0.81	10.36	870	888	0
15	2014	60	1330	3.68	4.845	5.537	245.4	245.1	251.4	22.12	18.75	17.58	27.07	25.68	24.82	-1.392	-2.25	-0.86	10.25	855	888	0
15	2014	60	1345	3.837	5.452	6.276	263.4	263.1	259	22.01	19.54	16.37	27.42	26.01	24.98	-1.408	-2.439	-1.03	10.07	791.8	888	0
15	2014	60	1400	3.853	5.654	6.536	260.3	259	258	13.87	12.59	13.44	26.89	25.74	24.9	-1.153	-1.987	-0.84	10.52	587	887	0
15	2014	60	1415	3.856	5.265	6.076	256.4	257.6	257.9	16.19	13.63	10.89	27.41	26.09	25.1	-1.326	-2.308	-0.99	10.45	812	887	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	60	1445	5.145	6.904	8.07	237.7	237.6	238.1	20.22	19.01	20.01	27.77	26.54	25.63	-1.232	-2.14	-0.91	10.07	696.7	887	0
15	2014	60	1500	6.465	8.95	10.55	218	216.5	217.3	15.22	13.34	11.09	28.09	26.89	25.9	-1.204	-2.188	-0.99	9.58	659.1	887	0
15	2014	60	1515	5.629	7.763	9.58	228.6	226.8	226.8	15.48	14.42	12.77	27.85	26.97	26.06	-0.881	-1.79	-0.91	9.58	455.6	887	0
15	2014	60	1530	6.572	8.92	10.8	222.8	222.1	223.5	13.87	11.89	9.94	27.21	26.54	25.79	-0.668	-1.422	-0.75	9.48	404.8	887	0
15	2014	60	1545	6.116	8.52	10.67	224.7	223.2	222.7	13.09	11.61	9.24	26.92	26.39	25.74	-0.525	-1.178	-0.65	9.42	304.3	887	0
15	2014	60	1600	5.319	7.424	9.36	225	223	225.3	12.97	11.48	8.94	26.44	26.14	25.6	-0.297	-0.84	-0.54	9.71	203	887	0
15	2014	60	1615	5.509	7.647	9.49	226.6	225.7	226.4	14.22	12.39	8.36	26.35	26.08	25.58	-0.27	-0.77	-0.5	9.81	223.7	887	0
15	2014	60	1630	5.841	8.05	10.2	225.4	223.6	225.7	12.14	10.09	7.113	26.24	26.04	25.56	-0.199	-0.681	-0.48	9.78	178.6	887	0
15	2014	60	1645	5.438	7.619	9.5	237.4	236.6	237.2	11.78	8.99	7.277	25.92	25.83	25.42	-0.094	-0.504	-0.41	10.17	137.5	888	0
15	2014	60	1700	4.876	6.711	8.14	237.4	240.1	239.2	11.86	10.31	9.83	25.86	25.75	25.35	-0.111	-0.513	-0.4	10.66	153.8	888	0
15	2014	60	1715	3.873	5.377	7.057	235.4	236.1	234.1	12.16	9.84	8.38	25.41	25.5	25.2	0.083	-0.217	-0.3	11.13	74.61	888	0
15	2014	60	1730	4.067	5.619	8.16	231.9	231.1	231	11.04	8.77	5.167	24.78	24.99	24.86	0.211	0.089	-0.13	11.56	29.94	888	0
15	2014	60	1745	3.673	5.005	7.479	237.5	236.2	235.6	11.89	9.6	6.648	24.3	24.62	24.58	0.323	0.282	-0.04	12.05	14.89	888	0
15	2014	60	1800	2.217	3.781	5.883	259	253.8	250.4	16.26	13.83	10.67	23.04	23.8	24.12	0.765	1.086	0.32	13.07	2.303	888	0
15	2014	60	1815	1.052	2.71	4.292	261.4	262.2	261.1	10.53	6.307	6.3	21.36	23.09	24.01	1.731	2.654	0.92	15.35	0.4	888	0
15	2014	60	1830	1.096	2.886	4.022	267.3	269.9	268.5	11.97	4.667	3.829	20.63	22.93	23.82	2.303	3.185	0.89	17.22	0.469	888	0
15	2014	60	1845	0.956	2.559	4.305	257.6	261.8	270.3	10.09	5.942	4.428	20.36	22.53	23.68	2.168	3.315	1.15	17.86	0.494	889	0
15	2014	60	1900	0.584	1.823	3.622	310.4	256.5	263.6	92.8	4.127	3.316	19.14	22.38	23.41	3.246	4.273	1.03	18.94	0.433	889	0
15	2014	60	1915	0.654	1.327	3.304	92.4	242.6	256.5	27.26	4.919	3.607	15.65	22.31	23.31	6.654	7.655	1	22.51	0.358	889	0
15	2014	60	1930	1.176	0.993	2.949	42.35	264.7	264.5	13.64	11.07	6.011	13.32	21.92	23.23	8.6	9.91	1.31	25.73	0.325	889	0
15	2014	60	1945	1.028	0.311	2.341	57	302.9	269.1	9.52	28.39	4.378	12.87	21.13	22.94	8.26	10.07	1.81	27.77	0.319	889	0
15	2014	60	2000	1.206	0.574	2.424	41.64	358.9	283.9	9.1	31.16	5.522	13.02	20.99	22.6	7.963	9.57	1.61	28.6	0.456	889	0
15	2014	60	2015	1.354	0.638	2.353	66.65	337.1	288.9	33.8	46.09	5.099	12.78	20.68	22.58	7.899	9.8	1.9	29.18	0.454	889	0
15	2014	60	2030	1.261	0.833	2.047	50.06	94.8	289.9	25.87	27.16	5.023	13.08	20.54	22.38	7.465	9.3	1.84	28.9	0.399	889	0
15	2014	60	2045	1.596	1.492	1.924	39.96	29.06	315.2	5.077	5.327	8.58	12.63	20.63	22.31	7.999	9.67	1.68	30.6	0.441	889	0
15	2014	60	2100	1.302	1.774	2.326	44.59	40.57	320.9	4.382	3.469	3.727	12.15	20.76	21.98	8.61	9.83	1.22	31.42	0.434	890	0
15	2014	60	2115	0.995	1.895	2.592	37.22	48.45	322.9	4.259	5.1	3.911	12.04	20.88	21.7	8.84	9.67	0.82	31.42	0.42	890	0
15	2014	60	2130	1.499	2.126	3.256	32.49	39.06	325.6	8.33	8.7	4.769	12.63	20.77	21.66	8.14	9.03	0.89	30.61	0.542	890	0
15	2014	60	2145	1.902	3.583	5.397	21.93	10.43	331	23.06	13.79	8.87	12.95	19.5	21.25	6.552	8.31	1.75	29.45	0.919	890	0
15	2014	60	2200	3.794	6.047	9.25	357.6	356.3	356.5	16.2	14.33	12.01	16.29	16.78	17.66	0.486	1.374	0.88	28.97	1.945	891	0
15	2014	60	2215	3.291	5.027	7.7	356.3	354.3	353.7	14.8	14.36	8.38	16.57	16.97	17.18	0.394	0.609	0.21	32.55	0.945	891	0
15	2014	60	2230	3.224	4.974	7.88	359.7	359.6	357.9	17.07	12.38	14.76	16.49	16.88	17.21	0.386	0.715	0.33	36.38	0.831	891	0
15	2014	60	2245	2.647	4.583	7.492	10.14	8.6	6.249	13.7	10.17	8.36	15.72	16.35	17.03	0.632	1.314	0.68	38.27	0.757	891	0
15	2014	60	2300	2.569	4.28	7.354	18.89	18.21	14.12	12.1	5.885	3.066	15.38	15.87	16.54	0.483	1.163	0.67	39.02	0.811	891	0
15	2014	60	2315	2.304	3.936	7.039	23.43	21.44	15.39	10.06	5.107	2.209	14.94	15.47	16.2	0.535	1.26	0.73	40.08	0.673	891	0
15	2014	60	2330	1.898	3.767	7.133	18.83	19.68	20.53	11.18	3.276	2.869	14.29	14.93	16.15	0.641	1.857	1.22	42.04	0.709	890	0
15	2014	60	2345	2.324	4.164	7.695	34.97	35.33	33.88	12.81	8.1	4.854	14.3	14.82	15.75	0.527	1.453	0.93	43.31	0.804	890	0
15	2014	60	2400	3.807	5.67	8.57	67.63	66.19	61.59	12.06	8.68	8.09	14.85	15.06	15.25	0.213	0.4	0.19	43.21	1.136	891	0
15	2014	61	15	3.557	5.139	7.444	65.86	65.3	64.31	10.74	7.65	6.071	15.08	15.22	15.16	0.142	0.083	-0.06	43.88	0.891	891	0
15	2014	61	30	3.916	5.622	7.914	57.63	56.79	57.63	13.27	9.64	6.645	14.93	15.04	14.94	0.113	0.008	-0.1	44.72	0.833	891	0
15	2014	61	45	4.022	5.975	8.32	54.29	53.75	56.36	12.2	9.13	7.187	14.78	14.89	14.77	0.113	-0.009	-0.12	44.79	0.83	890	0
15	2014	61	100	4.557	6.659	9.14	61.93	60.91	62.83	11.3	6.926	4.261	14.9	15.02	14.93	0.122	0.027	-0.09	42.46	1.032	890	0
15	2014	61	115	4.552	6.589	8.67	60.94	60.3	62.15	11.73	7.678	5.084	14.92	15.01	14.82	0.091	-0.1	-0.19	40.54	0.996	890	0
15	2014	61	130	4.401	6.461	8.55	59.96	59.81	62.53	11.03	7.475	4.713	14.05	14.08	13.82	0.032	-0.228	-0.26	41.21	0.947	890	0
15	2014	61	145	4.429	6.16	7.927	67.78	66.21	68.78	9.97	7.358	4.774	12.76	12.73	12.43	-0.034	-0.333	-0.3	44.97	0.631	890	0
15	2014	61	200	4.186	5.804	7.528	62.82	62.31	65.53	10.87	6.997	4.963	11.87	11.81	11.49	-0.062	-0.383	-0.32	49.79	0.721	890	0
15	2014	61	215	4.833	6.911	8.13	62.76	62.17	67.47	11.12	6.802	5.105	10.96	10.86	10.49	-0.103	-0.467	-0.37	54.06	0.919	890	0
15	2014	61	230	4.381	6.1	7.687	72.9	73.52	77.5	10.73	7.598	5.004	10.1	9.99	9.61	-0.112	-0.487	-0.38	57.88	0.843	891	0
15	2014	61	245	5.829	8.14	9.95	76.19	76.78	80.1	10.43	7.41	4.67	9.06	8.89	8.47	-0.174	-0.595	-0.42	63	0.957	891	0
15	2014	61	300	5.917	8.1	10.18	80.9	79.94	82.9	11.66	7.46	4.696	8.41	8.23	7.8	-0.176	-0.609	-0.43	66.41	0.954	891	0
15	2014	61	315	5.672	7.809	10.05	79.78	79.86	83.1	12.45	9.18	5.313	8.06	7.887	7.46	-0.169	-0.596	-0.43	68.17	1.048	891	0
15	2014	61	330	5.581	7.95	10.13	77.48	75.75	78.28	10.44	7.93	4.959	7.768	7.594	7.169	-0.174	-0.599	-0.42	70.15	1.121	891	0
15	2014	61	345	5.6	7.869	10.62	75.81	75.19	77.25	10.63	8.2	4.67	7.452	7.278	6.868	-0.174	-0.584	-0.41	71.79	1.237	890	0
15	2014	61	400	5.499	7.783	10.05	74.63	73.03	74.9	10.73	7.515	4.58	7.112	6.933	6.51	-0.179	-0.602	-0.42	72.86	1.073	891	0
15	2014	61	415	5.669	8.11	10.6	78.69	76.9	78.87	11.9	8.03	4.338	6.637	6.439	5.996	-0.197	-0.641	-0.44	73.99	1.186	891	0
15	2014	61	430	6.108	8.48	10.6	79.36	78.24	79.92	10.94	6.973	4.516	6.034	5.833	5.389	-0.201	-0.645	-0.44	72.63	1.073	891	0
15	2014	61	445	6.2	8.65	11.06	82.3	79.87	81.7	11.16	7.845	4.594	5.311	5.118	4.677	-0.194	-0.635	-0.44	69.14	1.13	891	0
15	2014	61	500	6.487	9.09	11.91	80	79.2	82.3	10.49	7.39	4.065	4.713	4.539	4.123	-0.173	-0.59	-0.42	68.07	1.101	891	0
15	2014	61	515	6.548	9.06	11.48	76.13	74.81	77.51	10.17	7.305	4.674	4.305	4.149	3.734	-0.155	-0.571	-0.42	69.03	1.123	891	0
15	2014	61	530	6.997	9.65	12.6	78.01	76.72	78.93	10.72	7.582	4.5	3.745	3.575	3.142	-0.171	-0.603	-0.43	70.1	1.182	891	0
15	2014	61	545	7.381	10.23	12.84	76.17	73.92	76.54	10.67	7.427	4.299	3.27	3.097	2.647	-0.173	-0.623	-0.45	70.32	1.201	891	0
15	2014	61	600	7.459	10.58	13.36	76.01	74.43	75.93	10.57	7.26	4.205	2.845	2.666	2.212	-0.179	-0.634	-0.45	70.41	1.303	891	0
15	2014	61	615	6.663	9.26	12.03	79.44	77.55	79.3	11.54	8.17	4.926	2.554	2.381	1.921	-0.172	-0.632	-0.46	70.56	1.324	891	0
15	2014	61	630	6.144	8.53	11.32	86	84.1	84.9	13.39	9.36	5.261	2.192	2.009	1.541	-0.183	-0.651	-0.47	70.91	2.509	892	0
15	2014	61	645	2.707	3.757	5.134	60.45	65.7	69.11	38.24	32.58	19	2.039	1.842	1.355	-0.197	-0.684	-0.49	70.08	10.71	893	0
15	2014	61	700	1.889	2.418	2.86	74.67	74.95	76.12	28.07	22.33	17.91	1.767	1.528	1.038	-0.239	-0.728	-0.49	69.82	25.89	894	0
15	2014	61	715	2.836	3.807	4.402	66.85	66.91	67.57	19	13.99	9.61	1.872	1.536	0.981	-0.336	-0.89	-0.56	69.49	30.92	894	0
15	2014	61	730	2.749	3.857	4.281	31.14	30.29	28.69	19.98	18.43	15.23	1.931	1.525	0.96	0.406	-0.971	-0.56	69.72	29.47	895	0
15	2014	61	745	3.69	5.269	6.38	42.41	40.92	40.33	12.77	9.2	6.445	1.776	1.399	0.786	-0.377	-0.99	-0.61	70.08	19.03	896	0
15	2014	61	800	3.856	5.523	6.801	34.58	33.89	34.97	15.19	10.54	7.567	1.871	1.456	0.819	-0.415	-1.052	-0.64	70.33	54.68	896	0
15	2014	61	815	4.784	7.021	8.5	25.87	24.44	26.43	13.94	8.7	6.883	1.84	1.384	0.703	-0.456	-1.137	-0.68	68.69	85.9	896	0
15	2014	61	830	4.67	6.84	8.01	39.89	37.95	38.74	20.03	15.37	14.47	1.878	1.399	0.75	-0.479	-1.128	-0.65	66.55	83.1	896	0
15	2014	61	845	4.081	5.836	7.005	64.49	62.8	64.54	12.14	9.2	6.616	1.901	1.501	0.856	-0.4	-1.044	-0.64	70.5	66.48	896	0
15	2014	61	900	3.637	4.94	5.731	73.99	72.52	76.67	12.39	9.23	6.684	1.969	1.557	0.931	-0.412	-1.038	-0.63	71.06	76.94	896	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	61	915	4.193	5.715	6.625	92.1	89.2	88.8	13.86	9.68	6.609	1.669	1.364	0.787	-0.306	-0.882	-0.58	76.96	66.19	896	0
15	2014	61	930	5.038	7.192	8.57	99.2	96.9	97.2	13.17	8.73	4.731	1.216	0.896	0.323	-0.319	-0.893	-0.57	81.2	82.5	896	0
15	2014	61	945	4.851	6.851	8.59	102.5	100.6	100	13.3	8.7	5.187	1.065	0.696	0.074	-0.369	-0.99	-0.62	86.2	101.2	896	0
15	2014	61	1000	5.308	7.617	9.34	107.4	105.8	106.7	11.87	7.32	4.524	1.093	0.711	0.135	-0.382	-0.958	-0.58	84.4	92.9	895	0
15	2014	61	1015	5.648	8.03	9.45	114.9	113	114.3	13.56	9.47	5.081	1.157	0.769	0.206	-0.388	-0.951	-0.56	84.7	110.9	895	0
15	2014	61	1030	6.179	9.04	10.84	120.4	118.6	118.3	10.93	7.097	4.877	1.414	0.916	0.383	-0.498	-1.031	-0.53	85.7	180.9	895	0
15	2014	61	1045	6.044	8.6	10.18	114.3	112.8	114.4	14.36	9.54	5.765	1.993	1.448	0.817	-0.545	-1.175	-0.63	81.7	205.8	895	0
15	2014	61	1100	5.139	7.396	9.33	114.6	113	115.8	13.8	10.03	5.63	2.591	2.1	1.498	-0.491	-1.093	-0.6	77.84	158.3	895	0
15	2014	61	1115	4.353	6.148	7.458	120.3	116.7	118.5	17.39	13.49	10.09	3.099	2.643	2.021	-0.457	-1.078	-0.62	75.66	176.9	894	0
15	2014	61	1130	3.24	4.591	5.325	132.5	129.9	130.9	16	12.39	7.299	3.862	3.285	2.622	-0.577	-1.24	-0.66	72.54	176.1	895	0
15	2014	61	1145	3.289	4.317	4.777	155.5	154.3	158	16.36	12.06	9.3	4.82	4.029	3.282	-0.792	-1.538	-0.75	71.35	496.1	895	0
15	2014	61	1200	3.497	4.246	4.599	162.4	159.4	162.2	15.57	12.64	9.1	6.66	5.395	4.437	-1.265	-2.222	-0.96	65.76	904	895	0
15	2014	61	1215	4.404	5.8	6.263	171.1	169.7	172.2	16.4	13.49	13.98	8.34	6.694	5.731	-1.65	-2.613	-0.96	60.19	897	894	0
15	2014	61	1230	5.674	7.565	7.959	190	186.7	187	16.99	13.8	10.03	9.2	7.362	6.396	-1.843	-2.808	-0.97	55.98	893	894	0
15	2014	61	1245	5.524	7.289	8.3	194.1	192.1	195.2	13.9	9.83	7.765	10.46	8.74	7.592	-1.723	-2.867	-1.15	51.83	885	894	0
15	2014	61	1300	5.72	7.751	8.6	194.1	191.9	193.3	14.31	11.15	8.13	11.58	9.84	8.76	-1.742	-2.815	-1.08	48.05	875	894	0
15	2014	61	1315	5.8	7.718	8.74	186.1	184.2	185.6	14.13	10.41	7.228	12.04	10.32	9.16	-1.723	-2.887	-1.16	47.39	860	893	0
15	2014	61	1330	5.124	7.073	8.01	185.9	184.2	184	15.07	11.81	8.59	12.97	11.18	10.05	-1.787	-2.916	-1.13	45.48	841	893	0
15	2014	61	1345	5.805	8.03	9.2	189.8	187.7	187.9	13.47	10.63	8.7	13.99	12.33	11.15	-1.663	-2.839	-1.18	43.25	819	893	0
15	2014	61	1400	4.477	6.011	7.085	184.3	182.6	183.4	25.88	22.88	22.53	14.56	12.94	11.89	-1.618	-2.67	-1.05	43.05	789.4	893	0
15	2014	61	1415	5.731	7.695	8.45	195.1	193.8	195	14.12	10.17	7.942	15.07	13.5	12.44	-1.563	-2.623	-1.06	42.97	759.5	892	0
15	2014	61	1430	5.647	7.583	8.29	199.2	196.6	198.2	15.18	11.75	9.2	15.39	13.78	12.89	-1.613	-2.5	-0.89	42.14	724.5	892	0
15	2014	61	1445	6.132	8.28	8.95	186.1	184.3	186	13.15	9	7.689	15.32	13.86	12.98	-1.46	-2.344	-0.88	39.51	650	892	0
15	2014	61	1500	6.085	8.48	9.73	179.3	177.9	180.5	13.12	9.95	6.975	14.97	13.77	12.77	-1.204	-2.203	-1	39.33	560.7	892	0
15	2014	61	1515	6.254	8.59	9.76	177.2	175.5	178.8	13.36	9.38	7.564	15.53	14.25	13.22	-1.284	-2.308	-1.03	38.01	592.5	892	0
15	2014	61	1530	5.313	7.268	7.832	191	189.7	191.8	13.49	9.04	7.111	16.47	15.18	14.36	-1.29	-2.114	-0.82	35.81	545	892	0
15	2014	61	1545	5.033	6.618	7.268	203.7	201.4	203.1	14.46	11.15	9.13	16.77	15.64	14.79	-1.125	-1.974	-0.85	34.45	491.2	892	0
15	2014	61	1600	4.036	5.349	6.072	215.4	212.3	211.1	17.06	15.58	13.88	16.9	15.92	15.13	-0.972	-1.761	-0.79	33.14	387.6	892	0
15	2014	61	1615	4.358	5.771	6.447	203.2	199.4	200.2	16.11	12.81	10.84	15.78	15.09	14.39	-0.693	-1.395	-0.7	34.97	267.5	892	0
15	2014	61	1630	2.54	3.16	3.532	203.5	201.8	207	31.84	24.44	20.86	15.85	15.24	14.61	-0.612	-1.236	-0.63	35.04	324.1	893	0
15	2014	61	1645	6.695	9.56	11.63	47.3	46.34	50	27.65	26.53	24.51	11.23	10.58	9.8	-0.649	-1.426	-0.78	42.07	246.4	893	0
15	2014	61	1700	7.122	10.15	12.15	60.22	59.1	61.96	13.23	8.55	6.472	8.43	7.824	7.086	-0.61	-1.347	-0.74	50.29	184.3	894	0
15	2014	61	1715	7.261	10.17	12.4	70.8	68.79	71.37	11.65	7.746	5.812	6.82	6.328	5.635	-0.492	-1.185	-0.69	54.26	128.2	894	0
15	2014	61	1730	6.721	9.19	11.13	77.37	75.9	78.36	13.37	10.19	6.957	5.392	5.007	4.421	-0.385	-0.971	-0.59	56.84	76.15	894	0
15	2014	61	1745	6.717	9.4	11.56	83.1	81.6	83.4	11.84	8.6	7.068	4.228	3.94	3.419	-0.288	-0.809	-0.52	59.06	31.95	894	0
15	2014	61	1800	6.292	8.84	11.75	88.7	87.6	89.6	12.21	8.71	5.525	3.333	3.128	2.679	-0.205	-0.654	-0.45	60.72	5.927	894	0
15	2014	61	1815	6.681	9.17	11.77	81.8	79.44	81.6	11.27	7.988	6.127	2.703	2.526	2.086	-0.178	-0.617	-0.44	61.44	1.529	895	0
15	2014	61	1830	6.506	8.98	11.89	81.8	80.6	82.6	11.99	8.1	5.574	2.081	1.912	1.483	-0.169	-0.598	-0.43	62.52	1.281	895	0
15	2014	61	1845	6.405	8.86	11.29	71.81	70.12	73.25	10.86	7.999	5.547	1.415	1.249	0.791	-0.166	-0.624	-0.46	64.43	1.097	895	0
15	2014	61	1900	6.818	9.51	11.67	66.29	64.96	67.18	11.47	7.419	5.181	0.766	0.597	0.12	-0.169	-0.646	-0.48	66.64	1.217	896	0
15	2014	61	1915	6.265	8.85	10.95	61.21	59.94	62.3	11.83	6.95	4.551	0.171	0.004	-0.483	-0.167	-0.654	-0.49	69.41	1.042	897	0
15	2014	61	1930	5.55	8.1	10.2	57.78	56.57	59.02	12.58	7.815	5.374	-0.46	-0.636	-1.147	-0.176	-0.687	-0.51	71.16	0.957	897	0
15	2014	61	1945	6.539	9.73	12.03	54.05	53.6	55.74	12.2	7.006	4.049	-1.485	-1.69	-2.236	-0.206	-0.751	-0.55	73.1	1.178	897	0
15	2014	61	2000	6.317	9.44	11.67	51.77	51.3	53.32	12.29	7.217	3.959	-2.074	-2.284	-2.842	-0.21	-0.768	-0.56	75.99	1.096	898	0
15	2014	61	2015	6.293	9.31	11.79	47.09	45.48	47.69	12.56	7.851	4.683	-2.605	-2.819	-3.4	-0.214	-0.794	-0.58	76.25	1.1	898	0
15	2014	61	2030	5.201	7.895	10.01	41.43	40.42	42.25	12.95	8.02	5.77	-3.114	-3.325	-3.909	-0.21	-0.794	-0.58	76.6	1.005	899	0
15	2014	61	2045	4.691	6.856	8.61	35.46	34.92	37.89	14.68	9.86	6.465	-3.774	-3.979	-4.57	-0.205	-0.796	-0.59	76.74	0.835	899	0
15	2014	61	2100	4.689	6.815	8.43	40.55	39.35	38.41	13.04	8.22	5.611	-4.23	-4.443	-5.047	-0.213	-0.817	-0.6	76.77	0.819	899	0
15	2014	61	2115	4.1	6.104	7.774	41.51	40.82	40.59	13.46	8.49	5.248	-4.629	-4.845	-5.447	-0.216	-0.818	-0.6	77.01	0.898	900	0
15	2014	61	2130	5.088	7.465	9.28	38.74	38.59	39.64	11.82	7.603	4.848	-4.86	-5.073	-5.679	-0.213	-0.819	-0.61	76.6	1.063	900	0
15	2014	61	2145	4.516	6.689	8.55	40.65	38.18	39.03	12.67	7.983	5.27	-5.031	-5.226	-5.83	-0.196	-0.799	-0.6	76.66	0.993	900	0
15	2014	61	2200	3.509	5.12	6.429	44.79	43.43	44.73	12.37	7.98	5.701	-5.267	-5.451	-6.052	-0.184	-0.785	-0.6	77.44	0.694	901	0
15	2014	61	2215	3.715	5.378	6.935	39.87	37.91	39.16	13.24	8.66	5.379	-5.457	-5.641	-6.231	-0.184	-0.773	-0.59	78.14	0.791	901	0
15	2014	61	2230	3.854	5.527	6.778	47.01	45.58	46.55	11.52	7.194	5.571	-5.407	-5.715	-6.39	-0.308	-0.983	-0.68	78.79	0.925	901	0
15	2014	61	2245	4.295	6.476	7.543	40.84	40.14	43.19	13.86	8.52	5.029	-5.214	-5.625	-6.357	-0.411	-1.143	-0.73	77.94	0.965	901	0
15	2014	61	2300	4.068	5.973	7.389	52.72	51.13	51.95	12.32	7.48	4.993	-5.184	-5.59	-6.359	-0.406	-1.176	-0.77	77.33	1.048	901	0
15	2014	61	2315	4.076	5.862	7.236	48.89	46.8	47.68	12.63	7.68	4.179	-5.158	-5.556	-6.336	-0.398	-1.178	-0.78	76.74	0.94	901	0
15	2014	61	2330	3.181	4.66	5.394	30.68	30.45	30.97	18.66	14.52	10.78	-4.999	-5.414	-6.123	-0.415	-1.124	-0.71	78.26	0.845	901	0
15	2014	61	2345	3.11	4.246	4.777	15.82	17.4	18.41	15.17	8.85	7.291	-4.682	-5.063	-5.742	-0.381	-1.06	-0.68	79.47	0.834	901	0
15	2014	61	2400	2.446	3.34	4.014	20.84	20.11	20.43	14.93	10.04	5.205	-4.362	-4.768	-5.468	-0.406	-1.105	-0.7	79.5	0.696	901	0
15	2014	62	15	2.395	3.326	3.964	23.66	21.59	25.37	13.5	9.08	8.18	-4.105	-4.505	-5.184	-0.4	-1.079	-0.68	80.1	0.802	901	0
15	2014	62	30	2.963	4.145	4.649	36.66	35.71	37.98	13.67	8.7	6.799	-3.875	-4.272	-4.918	-0.397	-1.043	-0.65	78.73	0.717	901	0
15	2014	62	45	3.592	5.042	6.073	49.79	49.02	50.86	13.21	9.57	6.632	-3.871	-4.259	-4.991	-0.388	-1.12	-0.73	75.11	0.894	901	0
15	2014	62	100	4.141	5.812	6.799	60.55	57.9	58.92	14.36	11.27	7.859	-4.195	-4.571	-5.274	-0.376	-1.079	-0.7	72.65	0.845	901	0
15	2014	62	115	3.322	4.531	5.477	64	62.09	63.12	14.18	10.43	8.12	-4.632	-5.02	-5.746	-0.388	-1.114	-0.73	70.96	0.703	901	0
15	2014	62	130	2.69	3.575	4.017	78.67	75.16	79.18	16.2	14.28	12.03	-5.229	-5.638	-6.358	-0.409	-1.129	-0.72	73.63	0.502	902	0
15	2014	62	145	2.901	3.837	4.128	65.98	64.66	70.07	10.89	7.41	6.674	-5.579	-6.024	-6.737	-0.445	-1.158	-0.71	76	0.583	901	0
15	2014	62	200	3.026	3.946	4.148	69.37	65.58	63.67	11.07	6.892	8.03	-5.658	-6.064	-6.757	-0.406	-1.099	-0.69	75.83	0.75	901	0
15	2014	62	215	2.443	3.201	3.538	65.62	61.93	60.61	16.94	13.85	12.5	-5.66	-6.083	-6.824	-0.424	-1.164	-0.74	74.75	0.604	901	0
15	2014	62	230	2.19	2.979	3.189	48.49	48.65	51.22	17.64	14.21	9.74	-5.735	-6.198	-6.893	-0.463	-1.159	-0.7	73.21	0.585	902	0
15	2014	62	245	1.945	2.453	2.749	57.56	54.44	57.59	16.55	11.6	9.62	-5.817	-6.251	-6.988	-0.435	-1.171	-0.74	73.53	0.612	901	0
15	2014	62	300	2.023	2.728	2.984	44.19	46.59	48.6	14.8	9.93	8.73	-5.737	-6.191	-6.916	-0.454	-1.179	-0.72	72.35	0.599	901	0
15	2014	62	315	2.465	3.253	3.553	46.65	46.78	49.62	14.15	8.87	6.466	-5.8	-6.251	-6.955	-0.451	-1.155	-0.7	71.79	0.683	901	0

TIME INTERVAL	YEAR	JULIAN DATE	TIME	2-Meter WS	10-Meter WS	50-Meter WS	2-Meter WD	10-Meter WD	50-Meter WD	2-Meter SIGMA T	10-Meter SIGMA T	50-Meter SIGMA T	2-Meter TEMP	10-Meter TEMP	50-Meter TEMP	10-2 M DELTA T	50-2 M DELTA T	50-10 M DELTA T	REL HUMIDITY	SOLAR RAD	BARO PRESS	PRECIP
min			hour	mps	mps	mps	deg	deg	deg	deg	deg	deg	deg C	deg C	deg C	deg C	deg C	deg C	%	w/m2	mb	mm
15	2014	62	345	1.683	2.082	2.257	50.12	49.23	48.71	15.48	11.32	8.01	-5.648	-6.071	-6.76	-0.424	-1.113	-0.69	71.61	0.493	902	0
15	2014	62	400	2.206	2.988	3.296	38.78	39.04	43.04	13.86	9.24	7.033	-5.466	-5.912	-6.635	-0.446	-1.169	-0.72	70.67	0.656	901	0
15	2014	62	415	2.218	3.036	3.531	44.78	43.76	45.22	15.29	9.75	7.144	-5.37	-5.804	-6.542	-0.435	-1.173	-0.74	69.47	0.681	901	0
15	2014	62	430	2.752	3.797	4.104	49.26	46.95	48.32	13.05	7.138	4.675	-5.379	-5.816	-6.52	-0.438	-1.141	-0.7	69.1	0.804	901	0
15	2014	62	445	2.902	4.233	4.777	46.36	42.27	45.22	14.31	9.67	7.769	-5.355	-5.79	-6.495	-0.435	-1.14	-0.7	68.35	0.771	901	0
15	2014	62	500	2.739	3.762	4.038	59.97	58.66	57.16	15.32	12.42	8.77	-5.386	-5.815	-6.513	-0.429	-1.126	-0.7	67.96	0.7	901	0
15	2014	62	515	1.862	2.394	2.624	68.96	69.04	75.88	13.58	10.88	8.93	-5.311	-5.705	-6.366	-0.393	-1.055	-0.66	67.08	0.686	901	0
15	2014	62	530	1.003	1.205	1.303	123.3	115.9	118.4	38.32	32.5	28.36	-5.216	-5.579	-6.197	-0.363	-0.981	-0.62	66.73	0.47	901	0
15	2014	62	545	0.776	0.921	1.037	176.6	182.8	189.5	52.44	61.37	53.19	-5.109	-5.411	-6.051	-0.302	-0.942	-0.64	66.51	0.46	902	0
15	2014	62	600	1.32	1.616	1.895	218.3	208.7	206.2	18.6	17.88	11.8	-4.828	-5.2	-5.865	-0.372	-1.037	-0.66	65.52	0.553	902	0
15	2014	62	615	1.219	1.503	1.62	211.6	205.5	200.8	31.66	26.87	22	-4.756	-5.117	-5.741	-0.36	-0.984	-0.62	65.03	1.183	902	0
15	2014	62	630	1.102	1.312	1.512	194.1	189.8	189.5	18.07	18.99	16.43	-4.695	-5.04	-5.668	-0.345	-0.973	-0.63	65.62	3.289	902	0
15	2014	62	645	0.808	0.948	1.012	209.3	203.4	205.2	55.08	45.55	24.03	-4.552	-4.877	-5.525	-0.325	-0.973	-0.65	66.01	8.53	901	0
15	2014	62	700	0.727	0.715	0.851	267.8	253.4	201.3	34.22	37.09	33.17	-4.55	-4.835	-5.442	-0.285	-0.892	-0.61	66.17	17.08	901	0
15	2014	62	715	1.569	1.99	2.222	233.5	230.3	236.8	20.75	14.98	13.07	-4.254	-4.687	-5.312	-0.433	-1.058	-0.62	65.59	28.5	902	0
15	2014	62	730	1.508	1.939	2.104	245.9	245.6	245.2	26.55	25.66	20.54	-4.147	-4.607	-5.22	-0.46	-1.073	-0.61	65.67	54.21	902	0
15	2014	62	745	1.043	1.178	1.439	214.3	214.4	218.9	25.71	26.3	18.59	-4.027	-4.444	-5.142	-0.418	-1.116	-0.7	65.61	70.29	902	0
15	2014	62	800	1.12	1.211	1.161	196.4	191.8	200.6	28.64	19.75	23.49	-3.942	-4.368	-5.034	-0.426	-1.093	-0.67	65.06	96.1	902	0
15	2014	62	815	1.19	1.485	1.484	242.7	234.7	233.5	49.05	40.5	28.23	-3.658	-4.17	-4.847	-0.512	-1.188	-0.68	64.29	156.5	902	0
15	2014	62	830	1.164	1.377	1.38	223.3	225.9	232.6	39.68	30.95	21.06	-3.461	-3.962	-4.703	-0.501	-1.242	-0.74	63.7	171.6	902	0
15	2014	62	845	1.209	1.42	1.614	251.5	246.2	245.8	45.2	35.9	26.64	-3.084	-3.557	-4.289	-0.472	-1.205	-0.73	62.79	200.9	902	0
15	2014	62	900	1.057	1.21	1.116	233.5	234.4	261	59.93	66.19	46.61	-2.924	-3.39	-4.023	-0.467	-1.099	-0.63	62.52	296.1	902	0
15	2014	62	915	1.044	1.148	1.266	187.8	195	212.7	70.97	43.07	27.89	-2.668	-3.146	-3.802	-0.478	-1.133	-0.66	61.81	335.8	902	0
15	2014	62	930	1.347	1.578	1.382	222.2	214.5	231.1	49.25	43.89	42.45	-2.123	-2.744	-3.492	-0.621	-1.369	-0.75	61.42	344.5	902	0
15	2014	62	945	1.252	1.442	1.357	227.9	229	233.4	31.2	26.26	29.23	-2.095	-2.554	-3.319	-0.459	-1.224	-0.76	63.1	296.2	902	0
15	2014	62	1000	1.051	1.111	1.116	198.8	183	221.5	66.54	67.62	60.56	-1.931	-2.42	-2.989	-0.489	-1.058	-0.57	62.61	394	902	0
15	2014	62	1015	1.364	1.529	1.272	245.6	249.8	238.4	70.68	65.89	42.83	-1.597	-2.125	-2.72	-0.529	-1.123	-0.6	62.49	432.6	902	0
15	2014	62	1030	1.074	1.119	1.323	236.1	224.9	231.2	71.65	75.2	69.54	-0.953	-1.467	-2.196	-0.514	-1.244	-0.73	60.03	470.6	902	0
15	2014	62	1045	2.022	2.075	2.045	298.7	295.4	291.3	34.06	22.34	20.02	-0.551	-1.219	-1.903	-0.668	-1.352	-0.68	58.5	574.4	902	0
15	2014	62	1100	1.284	1.425	1.375	335.2	323.1	303.5	51.87	29.22	30.52	-0.29	-0.764	-1.358	-0.474	-1.068	-0.59	56.94	561	901	0
15	2014	62	1115	1.506	1.703	1.418	327.2	327.7	338.4	53.74	48.64	63.79	0.445	-0.195	-0.921	-0.64	-1.366	-0.73	54.58	539.5	901	0
15	2014	62	1130	1.538	1.716	1.793	207.1	201.7	211.2	52.68	46.13	34.51	0.891	0.161	-0.559	-0.73	-1.45	-0.72	52.77	612.2	901	0
15	2014	62	1145	1.591	1.871	1.96	261	258.9	262.3	41.29	39.7	36.92	1.475	0.718	-0.03	-0.757	-1.505	-0.75	50.9	511.3	901	0
15	2014	62	1200	1.475	1.495	1.329	320.6	313.7	294.5	38.38	50.08	43.63	1.455	0.948	0.329	-0.507	-1.126	-0.62	51.04	579.3	900	0
15	2014	62	1215	1.604	1.561	1.598	344.2	338.1	300.2	52.94	51.44	35.18	2.197	1.485	0.95	-0.712	-1.247	-0.54	48.96	737.9	900	0
15	2014	62	1230	1.42	1.534	1.558	295.8	291.7	288.2	39.21	38.91	33.9	2.325	1.669	1.314	-0.656	-1.011	-0.36	48.56	563.8	899	0
15	2014	62	1245	1.963	2.313	2.215	240.6	233.7	224.7	62.77	50.37	32.85	2.884	2.121	1.502	-0.763	-1.382	-0.62	46.21	480.8	899	0
15	2014	62	1300	1.466	1.731	1.715	215.8	212.6	236.9	86.3	72.11	40.46	3.134	2.517	1.925	-0.617	-1.208	-0.59	45.53	432.6	899	0
15	2014	62	1315	1.575	1.724	1.709	227.5	231.4	237.2	63.07	50.1	35.9	3.415	2.785	2.142	-0.63	-1.273	-0.64	44.85	581.3	899	0
15	2014	62	1330	1.766	2.052	1.988	224.4	213.5	229.5	55.93	56.72	53.96	3.617	2.903	2.256	-0.714	-1.361	-0.65	44.35	441.1	899	0
15	2014	62	1345	1.441	1.641	1.42	202.4	199.6	216	50.61	44.16	47.62	3.994	3.273	2.678	-0.721	-1.316	-0.6	43.96	574.1	898	0
15	2014	62	1400	1.854	2.237	2.295	191.2	181.1	169.1	49.9	41.39	34.24	4.473	3.635	2.96	-0.838	-1.512	-0.68	41.93	470	898	0
15	2014	62	1415	1.649	1.844	1.615	220.9	219.3	221.4	42.84	37.77	29.72	4.643	4.03	3.361	-0.613	-1.282	-0.67	41.75	488.5	898	0
15	2014	62	1430	1.411	1.498	1.767	145.3	159.7	171.5	66.86	67.37	53.69	4.782	4.217	3.655	-0.565	-1.128	-0.56	41.54	423.3	897	0
15	2014	62	1445	1.279	1.525	1.955	126.6	118.7	130.4	64.26	41.73	37.82	5.187	4.575	3.997	-0.612	-1.191	-0.58	40.16	303.4	897	0
15	2014	62	1500	1.301	1.515	1.718	122.2	141.6	149.8	75.18	52.11	31.14	5.454	4.956	4.388	-0.497	-1.065	-0.57	38.87	332.1	897	0
15	2014	62	1515	2.159	2.705	2.988	174.5	171.4	172.9	25.4	22.34	15.49	5.828	5.202	4.634	-0.626	-1.194	-0.57	37.35	221	897	0
15	2014	62	1530	2.086	2.677	2.87	173.4	173.5	174.9	22.78	17.22	15.04	6.023	5.343	4.75	-0.68	-1.274	-0.59	36.53	169.3	897	0
15	2014	62	1545	1.809	2.396	2.732	153.3	149.3	153.3	27.17	25.8	21.08	6.183	5.574	4.983	-0.609	-1.2	-0.59	36.4	169.9	896	0
15	2014	62	1600	1.461	1.822	2.005	222.1	216.4	214	27.54	21.89	18.43	6.304	5.812	5.257	-0.492	-1.047	-0.56	36.41	204.1	897	0
15	2014	62	1615	2.174	2.849	2.947	223.4	220.2	212	21.3	16.47	12.72	6.55	5.968	5.422	-0.581	-1.127	-0.55	36.34	142.1	897	0
15	2014	62	1630	1.807	2.144	2.344	258	247.8	244	35.45	34.26	27.56	6.232	5.773	5.214	-0.459	-1.018	-0.56	38.28	137.3	897	0
15	2014	62	1645	2.538	2.983	3.087	290.3	288.8	283.6	14.63	11.37	7.115	5.864	5.3	4.742	-0.564	-1.122	-0.56	41.47	138	897	0
15	2014	62	1700	2.001	2.571	2.529	285.9	284.4	287.6	16.85	12.69	9.98	5.527	5.004	4.452	-0.523	-1.075	-0.55	42.55	97	897	0
15	2014	62	1715	1.455	1.946	2.122	257	256.4	251.8	16.52	12.96	14.17	5.374	4.948	4.46	-0.426	-0.915	-0.49	42.97	71.79	897	0
15	2014	62	1730	1.723	2.196	2.453	239.7	238.8	243.7	12.91	13.89	10.14	5.33	4.999	4.511	-0.331	-0.819	-0.49	43.09	46.06	897	0
15	2014	62	1745	2.026	2.656	2.857	229.9	230	232	16.36	12.91	9.68	5.167	4.88	4.406	-0.287	-0.761	-0.47	43.43	35.22	897	0
15	2014	62	1800	2.154	2.986	3.409	217.4	215.7	218.8	10.56	7.513	7.4	4.819	4.683	4.243	-0.136	-0.575	-0.44	44.25	9.12	897	0
15	2014	62	1815	1.46	2.309	2.872	219.3	216.8	216.9	10.91	7.363	4.756	4.448	4.452	4.096	0.005	-0.352	-0.36	45.69	1.142	897	0
15	2014	62	1830	0.986	1.721	2.394	202.6	207.4	209.4	15.75	9.83	7.137	4.011	4.349	4.093	0.338	0.082	-0.26	46.73	0.429	897	0
15	2014	62	1845	1.614	2.762	4.254	191.6	191.3	190.1	12.08	10.75	9.17	3.841	4.153	4.001	0.313	0.16	-0.15	45.23	0.592	897	0
15	2014	62	1900	2.527	3.763	5.399	170.3	169.2	171.4	10.42	6.496	3.432	3.867	3.967	3.759	0.1	-0.108	-0.21	38.29	0.849	897	0
15	2014	62	1915	2.867	4.274	5.792	164.5	160.7	158.8	12.6	8.24	6.091	3.615	3.666	3.395	0.051	-0.22	-0.27	37.68	0.673	897	0
15	2014	62	1930	2.848	4.239	5.465	166	162.7	162.2	11.54	6.883	4.748	3.379	3.367	3.025	-0.012	-0.354	-0.34	37.34	0.722	897	0
15	2014	62	1945	2.687	3.764	5.067	165.6	163.6	165.3	12.05	8.1	5.171	3.205	3.176	2.826	-0.029	-0.379	-0.35	37.33	0.739	897	0
15	2014	62	2000	2.438	3.425	4.808	168.8	167.9	168	11.56	8.13	5.943	3.046	3.032	2.697	-0.014	-0.349	-0.34	37.65	0.646	897	0
15	2014	62	2015	2.742	4.036	5.441	171	168.8	170.7	10.46	6.696	4.725	2.851	2.868	2.544	0.016	-0.307	-0.32	38.11	0.695	897	0
15	2014	62	2030	2.568	3.654	5.388	166.1	163.9	165.3	13.25	8.99	6.068	2.61	2.622	2.329	0.012	-0.281	-0.29	38.42	0.671	897	0
15	2014	62	2045	1.878	2.845	4.345	162	160.1	162.6	13.3	9.24	5.664	2.345	2.458	2.212	0.113	-0.133	-0.25	38.62	0.543	897	0
15	2014	62	2100	1.433	2.431	3.966	156.8	157.1	162.5	10.83	6.466	4.722	1.894	2.219	2.073	0.325	0.179	-0.15	39.38	0.497	897	0
15	2014	62	2115	1.461	2.746	4.759	150	151.2	158.5	9.28	5.77	3.298	1.27	1.824	1.987	0.554	0.717	0.16	41.11	0.496	897	0
15	2014	62	2130	1.88	3.266	5.67	148.3	146.4	154.9	11.25	6.06	2.261	1.273	1.583	1.904	0.31	0.631	0.32	41.5	0.732	897	0
15	2014	62	2145	2.044	3.386	5.914	151.8	148.9	157.8	12.72	8.21	4.16	1.174	1.494	1.891	0.32	0.717	0.4	41.53	0.719	896	0
15	2014	62	2200	2.04	3.388	6.128	169	165	167.3	11.42	6.191	1.905	1.173	1.468	1.835	0.295	0.662	0.37	41.57	0.87	896	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	62	2215	2.204	3.694	6.719	163.9	160.6	166.4	12.89	7.142	1.946	1.253	1.417	1.902	0.164	0.648	0.48	41.59	0.911	896	0
15	2014	62	2230	1.582	2.618	5.45	168.4	166.7	169.3	12.43	7.999	3.441	1.429	1.556	1.803	0.127	0.374	0.25	41.1	0.825	896	0
15	2014	62	2245	2.176	3.592	5.933	163.1	161.4	167	9.84	5.266	2.392	1.483	1.694	1.884	0.211	0.401	0.19	40.88	0.835	896	0
15	2014	62	2300	2.238	3.661	6.383	165.7	163.8	167.4	10.08	5.362	1.915	1.296	1.57	1.854	0.274	0.558	0.28	41.09	0.697	896	0
15	2014	62	2315	2.322	3.789	6.819	166.3	163.8	169.3	11.58	6.303	1.857	1.234	1.512	1.929	0.278	0.695	0.42	41.27	0.863	896	0
15	2014	62	2330	1.968	3.423	6.355	166.9	162.9	170.4	11.15	6.114	2.208	0.986	1.352	1.835	0.366	0.849	0.48	41.74	0.695	896	0
15	2014	62	2345	0.977	2.036	4.958	158	166.5	174.3	37.19	14.7	4.17	0.482	1.078	1.575	0.596	1.093	0.5	42.94	0.526	896	0
15	2014	62	2400	1.364	2.715	5.114	134.2	147.3	168.1	20.76	8.59	2.75	-0.133	0.977	1.399	1.11	1.532	0.42	44.8	0.629	896	0
15	2014	63	15	1.336	2.538	4.975	130.7	143.4	167.4	24.56	10.55	3.141	-0.052	0.671	1.225	0.723	1.278	0.55	45.11	0.587	895	0
15	2014	63	30	0.67	1.762	4.072	113.5	144.6	175.9	33.67	8.37	3.148	-0.626	0.487	1.122	1.113	1.748	0.64	46.38	0.466	895	0
15	2014	63	45	1.187	2.255	3.914	93.1	133.2	170.9	31.15	8.16	3.316	-1.578	0.597	1.062	2.175	2.64	0.46	49.02	0.519	895	0
15	2014	63	100	1.2	2.848	4.549	126	146.6	175.4	11.49	2.498	1.486	-1.93	0.515	1.029	2.445	2.959	0.51	50.87	0.642	895	0
15	2014	63	115	1.569	3.374	5.306	126.2	139.3	171.1	24.61	12.87	2.717	-1.831	-0.011	0.961	1.819	2.791	0.97	51.32	0.636	895	0
15	2014	63	130	1.176	2.855	4.66	122.2	122.8	166.5	20.54	6.396	3.323	-1.768	-0.424	0.854	1.344	2.622	1.28	50.72	0.612	895	0
15	2014	63	145	1.427	3.111	5.343	127.2	132.5	167.1	19.79	7.449	3.198	-1.493	-0.522	0.832	0.971	2.326	1.35	50.79	0.696	894	0
15	2014	63	200	1.193	2.755	4.871	123	127	166.2	12.14	3.959	2.922	-1.75	-0.612	0.754	1.137	2.504	1.37	50.55	0.638	894	0
15	2014	63	215	0.693	1.807	4.786	84	124.9	174.5	69.08	16.41	2.055	-2.157	-1.031	0.785	1.127	2.942	1.82	51.84	0.546	894	0
15	2014	63	230	0.801	2.12	4.938	50.8	127.2	176.1	19.92	8.7	1.828	-3.113	-0.959	0.777	2.154	3.89	1.74	54.75	0.627	894	0
15	2014	63	245	0.674	2.571	5.28	121.7	143.9	179.7	55.04	4.992	1.304	-3.326	-1.068	0.691	2.258	4.017	1.76	55.96	0.722	894	0
15	2014	63	300	0.884	1.715	4.753	58	140.8	176.7	73.85	19.8	5.304	-3.193	-1.33	0.382	1.863	3.575	1.71	55.75	0.694	894	0
15	2014	63	315	1.095	1.645	3.891	32.26	99.5	173.2	19.22	22.99	2.979	-3.065	-1.243	0.409	1.822	3.474	1.65	55.06	0.644	894	0
15	2014	63	330	0.712	1.265	3.416	35.37	115	181.5	39.47	16.59	3.61	-3.716	-0.988	0.212	2.728	3.927	1.2	57.3	0.495	894	0
15	2014	63	345	0.831	1.967	3.616	71.22	137.7	182.7	11.5	2.343	2.464	-3.979	-0.408	0.396	3.571	4.376	0.8	58.64	0.556	894	0
15	2014	63	400	1.045	2.567	3.869	101.7	137.4	180.1	23.88	3.566	2.997	-3.594	-0.05	0.57	3.544	4.164	0.62	56.93	0.583	894	0
15	2014	63	415	1.385	3.234	4.13	110	129.9	171	17.9	3.669	3.465	-2.724	-0.023	0.704	2.701	3.428	0.73	55.1	0.928	893	0
15	2014	63	430	0.941	1.925	3.851	52.69	122.3	173.3	80.8	18.05	3.411	-3.076	-1.252	0.564	1.824	3.64	1.82	55.6	0.559	893	0
15	2014	63	445	0.746	1.971	3.339	52.14	113.6	175.8	18.51	6.965	2.898	-3.056	-1.216	0.395	1.841	3.451	1.61	55.44	0.497	894	0
15	2014	63	500	0.681	2.293	3.17	81.4	132.6	187.7	47.25	6.537	3.482	-3.45	-0.323	0.534	3.128	3.984	0.86	56.34	0.59	894	0
15	2014	63	515	1.132	2.511	3.509	121.1	147.1	189.1	14.4	2.907	1.742	-3.471	-0.039	0.624	3.432	4.095	0.66	56.6	0.611	893	0
15	2014	63	530	1.387	2.942	4.326	138	152.7	190.1	5.51	2.103	1.035	-3.85	-0.199	0.694	3.651	4.543	0.89	58.21	0.686	893	0
15	2014	63	545	1.418	3.438	4.97	138.7	151.1	187.2	7.778	3.243	0.965	-3.335	-0.715	0.591	2.62	3.927	1.31	57.27	0.713	894	0
15	2014	63	600	0.739	2.142	4.447	62.53	134.2	185.9	63.32	10.76	1.103	-3.096	-1.549	0.372	1.547	3.468	1.92	56.14	0.642	894	0
15	2014	63	615	0.592	1.937	4.277	91.1	138.6	183.1	22.64	8.14	1.694	-3.379	-1.451	0.381	1.928	3.76	1.83	56	1.093	894	0
15	2014	63	630	0.93	2.744	4.35	96.7	133.4	176.8	47.32	4.513	1.791	-3.72	-1.378	0.41	2.342	4.13	1.79	57.18	9.31	894	0
15	2014	63	645	0.564	2.225	4.408	56.42	126.5	171	85.8	9.89	3.903	-3.297	-1.638	0.456	1.659	3.753	2.09	58.18	46.83	894	0
15	2014	63	700	0.602	1.462	3.978	197	135.4	170.3	71.38	15.11	3.256	-1.574	-1.281	0.176	0.293	1.75	1.46	53.51	94.6	894	0
15	2014	63	715	1.617	2.298	4.273	177	172.4	183.7	12.35	8.89	2.803	0.071	-0.256	-0.106	-0.327	-0.177	0.15	46.79	151.2	894	0
15	2014	63	730	2.145	2.763	3.593	189.3	184.8	189.2	13.67	9.35	6.563	1.006	0.501	-0.008	-0.505	-1.014	-0.51	42.94	209.6	895	0
15	2014	63	745	2.544	3.136	3.319	196.7	192.7	191.3	13.47	8.21	6.24	1.541	0.914	0.345	-0.627	-1.196	-0.57	40.99	267.6	895	0
15	2014	63	800	2.384	2.888	2.972	201.7	197.1	195.3	14	10.79	10.91	2.14	1.453	0.817	-0.687	-1.322	-0.64	39.51	327.2	895	0
15	2014	63	815	2.379	2.889	3.154	182.5	177.3	174	16.13	11.83	9.32	3.007	2.176	1.505	-0.831	-1.502	-0.67	37.55	385.4	895	0
15	2014	63	830	2.239	2.685	2.787	166.9	165.9	163.8	15.86	12.7	8.77	3.761	2.955	2.373	-0.806	-1.388	-0.58	36.02	442.1	894	0
15	2014	63	845	2.112	2.559	2.736	175.3	166.8	159	23.57	19.65	15.02	4.869	4.072	3.374	-0.796	-1.495	-0.7	34.08	497.3	894	0
15	2014	63	900	1.718	2.133	2.266	170.1	169.1	176.9	22.01	17.66	14.73	5.676	4.883	4.197	-0.793	-1.48	-0.69	32.78	549.1	894	0
15	2014	63	915	2.261	2.706	2.772	217.6	216.6	222	21.36	20.2	19.38	6.61	5.691	4.892	-0.919	-1.718	-0.8	31.37	596.8	895	0
15	2014	63	930	2.331	2.953	3.04	236.4	239.6	236.8	18.4	17.5	15.62	7.051	6.05	5.205	-1.001	-1.845	-0.84	30.74	640	895	0
15	2014	63	945	2.569	3.03	3.206	217.3	212.6	209.4	17.5	14.7	13.85	7.694	6.64	5.952	-1.054	-1.742	-0.69	30.1	684.4	895	0
15	2014	63	1000	2.88	3.362	3.599	219.7	220	216.5	17.65	14.84	13.23	8.56	7.494	6.651	-1.071	-1.914	-0.84	29.09	724.4	894	0
15	2014	63	1015	2.735	3.352	3.516	208.7	207.8	212.8	19.45	15.78	11.99	9.21	8.06	7.377	-1.154	-1.833	-0.68	28.34	764.3	894	0
15	2014	63	1030	2.621	3.143	3.393	217.3	216.1	213.8	23.53	17.23	18.5	10.19	9.13	8.15	-1.055	-2.034	-0.98	26.94	801	894	0
15	2014	63	1045	2.761	3.398	3.834	214.9	208.3	203.3	25.12	20.21	13	11.18	9.89	9.02	-1.29	-2.156	-0.87	26.01	806	894	0
15	2014	63	1100	2.867	3.509	3.677	194.4	192.7	193.5	24.31	22.26	16.72	11.8	10.3	9.57	-1.506	-2.232	-0.73	25.28	844	894	0
15	2014	63	1115	2.764	3.305	3.753	204	201	202.7	20.33	18.5	15.82	12.28	11.03	10.1	-1.25	-2.179	-0.93	25.19	836	893	0
15	2014	63	1130	2.351	2.998	3.351	160.6	161	168.1	25.6	22.46	17.49	12.87	11.46	10.62	-1.414	-2.259	-0.84	24.29	873	893	0
15	2014	63	1145	2.653	3.317	3.487	183.2	180.5	179.9	27.65	22.29	16.95	13.71	12.24	11.39	-1.471	-2.328	-0.85	23.29	895	893	0
15	2014	63	1200	2.847	3.505	3.792	194.1	190.2	190.8	23.07	21.71	16.9	14.38	12.98	12.19	-1.398	-2.192	-0.79	22.17	915	892	0
15	2014	63	1215	2.822	3.417	3.874	188.7	185.8	186.2	23.32	16.68	13.59	14.69	13.42	12.58	-1.265	-2.113	-0.84	21.57	823	892	0
15	2014	63	1230	2.997	3.605	4.003	206.5	198	196.3	30.86	22.37	19.51	15.44	14.11	13.29	-1.33	-2.151	-0.82	20.81	880	892	0
15	2014	63	1245	2.936	3.613	3.907	191.8	190.2	192	23.69	17.55	12.83	15.76	14.41	13.62	-1.346	-2.135	-0.79	20.6	725.6	891	0
15	2014	63	1300	2.982	3.744	4.254	200.3	194.5	193.5	19.26	15.1	12.04	16.07	14.72	14.02	-1.347	-2.052	-0.7	20.74	696.8	891	0
15	2014	63	1315	3.203	4.026	4.559	173.9	172	176.4	27.42	22.67	16.63	16.77	15.5	14.58	-1.273	-2.194	-0.92	20.22	662.2	891	0
15	2014	63	1330	3.415	4.392	4.764	178.2	177.5	179.8	19.91	15.97	12.9	17.48	15.92	15.12	-1.562	-2.365	-0.8	19.96	727.1	890	0
15	2014	63	1345	3.288	4.158	4.523	177.1	175.4	175.3	21.1	18.23	15.68	17.69	16.44	15.61	-1.25	-2.078	-0.83	20.18	562.5	890	0
15	2014	63	1400	3.428	4.314	4.794	174.3	171.5	173.1	20.18	16.8	13.33	17.97	16.75	15.97	-1.218	-2.001	-0.78	20.44	546.1	890	0
15	2014	63	1415	3.519	4.571	5.147	167.2	165.9	167.8	15.59	13.13	11.22	18.45	17.18	16.39	-1.264	-2.053	-0.79	20.36	531.7	889	0
15	2014	63	1430	3.739	4.774	5.192	174	169.9	172.7	18.28	13.54	11.1	18.19	17.1	16.38	-1.09	-1.81	-0.72	20.63	415.4	889	0
15	2014	63	1445	3.701	5.026	5.468	176.2	173	171.4	19.61	14.74	13.13	18.33	17.25	16.53	-1.085	-1.808	-0.72	21.02	426.7	889	0
15	2014	63	1500	3.855	5.237	5.779	179.6	176.6	176	17.88	14.51	12.39	19.02	17.7	16.83	-1.318	-2.186	-0.87	20.46	534.2	889	0
15	2014	63	1515	3.565	4.778	5.462	177.3	174.7	176.4	16.74	13.35	10.37	18.95	17.8	17.03	-1.155	-1.918	-0.77	20.57	439.1	889	0
15	2014	63	1530	3.778	5.019	5.706	175.2	172.4	174.6	16.81	13.6	10.49	19.07	18.06	17.26	-1.01	-1.807	-0.8	20.99	405.5	889	0
15	2014	63	1545	3.843	5.322	5.993	173.5	170.6	170.4	15.58	12.28	11.5	18.96	18.1	17.38	-0.861	-1.581	-0.72	21.25	307.9	889	0
15	2014	63	1600	3.891	5.312	6.155	168.7	167.6	168.2	12.71	9.53	8.26	18.64	18.02	17.35	-0.623	-1.287	-0.67	21.46	234.7	888	0
15	2014	63	1615	3.86	5.217	6.028	165.1	162.9	161.1	14.24	10.75	9.75	18.42	17.94	17.38	-0.478	-1.045	-0.56	21.39	194.8	888	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	63	1645	3.545	5.103	5.98	168.5	166.9	168	10.8	6.95	4.258	17.87	17.6	17.13	-0.268	-0.742	-0.47	21.62	114.6	889	0
15	2014	63	1700	3.148	4.39	5.46	161.5	159.1	160.1	11.44	8.22	7.038	17.56	17.43	17.01	-0.134	-0.547	-0.42	21.96	84.2	889	0
15	2014	63	1715	2.995	4.279	5.781	156.4	153.3	153.5	11.11	8.1	5.307	17.16	17.15	16.84	-0.017	-0.324	-0.31	22.4	56.07	888	0
15	2014	63	1730	2.742	4.1	5.821	154.3	151.7	151.3	10.73	6.761	3.678	16.73	16.86	16.68	0.13	-0.047	-0.18	22.87	32.13	888	0
15	2014	63	1745	2.751	4.273	6.454	155.7	153.9	153.6	10.04	6.687	2.642	16.26	16.51	16.56	0.247	0.292	0.05	23.27	11.6	888	0
15	2014	63	1800	2.433	4.121	6.351	144.1	142.5	146.6	10.64	6.347	3.3	15.64	16.07	16.41	0.435	0.774	0.34	24.22	3.037	888	0
15	2014	63	1815	2.431	4.106	6.427	134	132	137.6	10.05	6.304	3.687	15.13	15.66	16.06	0.537	0.935	0.4	25.32	0.846	888	0
15	2014	63	1830	3.036	4.966	7.762	121.3	120.7	128.3	10.58	6.168	2.74	14.67	15.07	15.5	0.396	0.828	0.43	26.57	0.957	888	0
15	2014	63	1845	3.045	4.676	7.428	134.3	131.4	131.5	13.88	9.52	5.486	14.51	14.76	14.88	0.245	0.369	0.12	26.92	0.774	888	0
15	2014	63	1900	2.222	3.567	5.713	151.6	147.2	147.8	13.28	10.13	7.02	14.1	14.45	14.6	0.354	0.499	0.15	27.81	0.601	889	0
15	2014	63	1915	2.038	3.452	5.315	150.4	149.1	152.4	11.46	6.633	4.828	13.53	14.17	14.4	0.638	0.869	0.23	28.94	0.567	889	0
15	2014	63	1930	1.969	3.436	5.737	140.8	139.7	145.1	12.07	7.013	5.775	13.03	13.68	14.05	0.65	1.019	0.37	29.99	0.636	889	0
15	2014	63	1945	2.884	4.431	6.961	144.6	141.9	144.5	11.72	7.665	5.152	13.23	13.54	13.68	0.31	0.448	0.14	29.45	0.893	889	0
15	2014	63	2000	3.33	4.973	7.189	151.5	148.7	149.9	10.74	7.069	5.234	13.1	13.38	13.47	0.278	0.367	0.09	29.42	0.854	889	0
15	2014	63	2015	3.235	5.003	7.352	159.8	157.7	156.3	14.97	11.06	8.61	12.97	13.29	13.3	0.316	0.324	0.01	29.89	0.784	889	0
15	2014	63	2030	3.399	5.335	8.01	163.7	160.2	160.2	11.42	6.809	4.048	12.72	13.04	13.23	0.323	0.511	0.19	30.62	0.878	889	0
15	2014	63	2045	3.488	5.272	8.26	158.5	156.2	156.4	10.4	6.907	3.399	12.82	13.12	13.47	0.308	0.658	0.35	31.46	0.947	889	0
15	2014	63	2100	3.177	4.932	7.579	157	153.7	153.7	11.06	6.162	3.497	12.88	13.14	13.37	0.264	0.491	0.23	32.11	0.761	890	0
15	2014	63	2115	2.952	4.537	6.833	153	149.5	151.4	11.47	7.087	4.133	12.76	13.04	13.21	0.279	0.445	0.17	32.73	0.77	890	0
15	2014	63	2130	2.538	4.08	6.407	154.8	151	152.6	10.88	7.209	4.48	12.55	12.88	13.16	0.327	0.61	0.28	33.28	0.781	890	0
15	2014	63	2145	2.793	4.337	6.503	148.5	146.2	151.5	9.97	6.098	4.167	12.56	12.94	13.24	0.381	0.683	0.3	33.49	0.737	889	0
15	2014	63	2200	2.265	3.79	6.343	154.4	150.2	152.5	11.9	7.141	4.737	12.33	12.76	13.12	0.429	0.789	0.36	33.97	0.838	889	0
15	2014	63	2215	2.713	4.224	6.847	160.9	156.4	155.4	11.84	7.505	4.532	12.44	12.8	13.03	0.364	0.587	0.23	33.96	0.905	889	0
15	2014	63	2230	3.033	4.675	7.389	164.5	158.4	157.2	11.13	6.683	4.738	12.24	12.54	12.72	0.308	0.488	0.18	34.03	0.878	889	0
15	2014	63	2245	3.873	5.673	8.71	156.3	152.8	153.4	12.61	8.38	4.286	12.06	12.31	12.5	0.253	0.449	0.19	33.95	0.84	889	0
15	2014	63	2300	3.544	5.271	8.53	148.6	147	151.3	12.13	8.86	5.145	11.67	11.99	12.29	0.315	0.619	0.3	34.11	0.868	889	0
15	2014	63	2315	3.544	5.231	8.08	150.8	147.7	153.4	12.09	7.947	5.208	11.69	12	12.3	0.307	0.607	0.3	33.6	0.964	889	0
15	2014	63	2330	2.435	4.025	6.538	153.7	150.1	153	11.7	7.446	5.181	11.02	11.48	11.83	0.459	0.805	0.35	34.96	0.679	889	0
15	2014	63	2345	2.405	4.118	6.966	147.2	144.4	150	11.23	6.828	3.929	10.42	10.96	11.52	0.535	1.098	0.56	36.27	0.789	889	0
15	2014	63	2400	2.463	4.204	7.15	146.6	144.3	152.5	11.28	6.797	3.447	10.09	10.68	11.49	0.593	1.399	0.81	37.09	0.775	889	0
15	2014	64	15	2.041	3.879	6.713	151.9	146	153.5	12.72	6.444	3.402	9.72	10.46	11.39	0.74	1.678	0.93	37.9	0.733	888	0
15	2014	64	30	2.157	3.907	6.763	149.3	143.9	151.5	11.68	6.136	3.007	9.51	10.24	11.15	0.729	1.635	0.91	38.38	0.766	888	0
15	2014	64	45	2.495	4.205	7.161	155.6	149.8	157.3	13.68	7.854	4.044	9.67	10.23	11.14	0.558	1.471	0.91	38.19	0.854	888	0
15	2014	64	100	2.414	4.297	7.04	143	141.7	159.5	11.41	5.806	4.184	9.07	9.81	11.2	0.743	2.133	1.39	39.1	0.77	888	0
15	2014	64	115	1.347	2.895	6.57	173.6	155.7	165.5	37.41	15.62	3.28	8.23	9.13	11.06	0.901	2.835	1.93	41.23	0.673	888	0
15	2014	64	130	0.561	1.841	5.42	154.8	152.6	170.2	29.39	10.14	5.272	7.967	9	10.69	1.03	2.722	1.69	42.22	0.566	888	0
15	2014	64	145	0.521	1.555	4.333	191.4	172.1	178.2	55.35	14.33	4.899	7.485	9.12	10.62	1.636	3.139	1.5	43.07	0.586	888	0
15	2014	64	200	0.575	1.546	3.635	208.8	189.1	182.5	41.03	14.52	3.545	6.979	9.18	10.32	2.2	3.338	1.14	44.49	0.52	888	0
15	2014	64	215	0.8	1.37	3.41	165.1	199.1	178.6	52.81	13.83	3.116	5.484	9.05	9.98	3.571	4.493	0.93	47	0.459	888	0
15	2014	64	230	0.723	1.112	3.224	71.75	197.4	187.4	57.9	24.04	8.7	4.285	8.63	9.94	4.349	5.656	1.31	49.63	0.442	888	0
15	2014	64	245	0.888	1.387	3.733	92.8	158.6	198.7	22.95	12.48	3.943	4.169	8.7	10.27	4.532	6.104	1.57	51.81	0.522	888	0
15	2014	64	300	0.662	1.348	3.18	90.8	162	207.2	10.3	7.53	7.868	4.005	8.92	10.23	4.915	6.22	1.31	51.9	0.459	888	0
15	2014	64	315	1.121	0.827	2.17	28.24	146.8	239.1	12.35	22.82	12.17	2.968	8.77	10.41	5.804	7.444	1.64	54.02	0.37	888	0
15	2014	64	330	1.196	0.794	2.186	33.17	326	291.4	23.16	60.67	13.51	2.416	8.45	9.98	6.03	7.563	1.53	56.33	0.451	888	0
15	2014	64	345	1.437	0.981	2.248	49.78	10.22	314.9	11.87	14.42	8.09	2.153	8.25	9.46	6.092	7.311	1.21	58.46	0.457	888	0
15	2014	64	400	1.423	1.287	2.966	44.05	6.026	330.3	11.59	9.47	4.691	1.964	8.43	9.4	6.47	7.44	0.97	59.16	0.432	888	0
15	2014	64	415	1.099	1.471	3.061	46.04	19.64	338.2	11.55	8.24	8.56	1.725	8.34	9.23	6.615	7.506	0.89	60.22	0.471	889	0
15	2014	64	430	0.778	1.643	4.547	37.13	21.83	322.2	31.24	12.22	5.039	1.821	8.1	9.76	6.279	7.94	1.66	60.47	0.636	889	0
15	2014	64	445	0.857	1.81	3.111	46.45	14.1	309.3	30.57	11.14	4.629	2.41	8.36	11.18	5.951	8.77	2.82	59.29	0.711	889	0
15	2014	64	500	0.587	0.928	3.712	132.8	38.51	295.6	75.29	19.49	9.73	2.772	8.7	11.88	5.928	9.11	3.18	58.15	0.652	889	0
15	2014	64	515	0.892	1.178	4.066	34.12	346.4	297.4	35.05	18.4	3.375	2.331	8.79	11.78	6.458	9.44	2.99	58.87	0.618	889	0
15	2014	64	530	1.007	0.674	4.216	125.3	229.1	288.9	60.73	69.45	8.21	1.843	7.774	11.06	5.932	9.21	3.29	61.6	0.486	889	0
15	2014	64	545	1.464	0.431	3.723	39.9	345	293.4	9.29	49.61	3.84	1.328	7.833	10.81	6.505	9.48	2.98	63.19	0.487	889	0
15	2014	64	600	1.392	1.24	2.425	44.35	13.83	300.2	7.496	12.64	2.104	1.258	8.36	10.91	7.1	9.65	2.55	63.17	0.393	890	0
15	2014	64	615	1.337	1.695	2.027	41.5	21.06	307.8	6.885	8.24	5.661	1.182	8.66	10.48	7.479	9.3	1.82	64.98	0.97	890	0
15	2014	64	630	1.409	2.206	3.278	33.67	8.35	317.7	12.55	14.86	5.434	1.657	8.67	9.97	7.016	8.31	1.3	64.36	5.908	890	0
15	2014	64	645	1.232	3.03	5.732	339.5	328.6	320.7	27.07	10.29	5.445	4.377	8.3	9.59	3.92	5.21	1.29	59.45	47.06	890	0
15	2014	64	700	1.219	2.658	6.759	323.6	321.5	318.6	18.13	9.12	3.922	7.104	7.835	9.52	0.731	2.419	1.68	51.2	96.3	891	0
15	2014	64	715	2.731	3.674	7.198	318.3	316.1	323.3	11.12	8.77	6.305	8.6	8.73	9.09	0.127	0.491	0.36	48.46	150	891	0
15	2014	64	730	5.241	7.265	10.14	326.8	324	326.3	11.03	9.53	8.1	10.77	10.7	10.48	-0.067	-0.293	-0.22	47.09	206.8	891	0
15	2014	64	745	8.27	12.04	14.59	334.5	333.1	334.1	14.68	9.62	8.38	11.89	11.68	11.21	-0.214	-0.686	-0.47	44.56	260.8	892	0
15	2014	64	800	9.52	14.04	17.89	344.1	342.9	344.4	17.84	11.71	6.112	11.78	11.45	10.95	-0.328	-0.826	-0.5	44.95	305.7	892	0
15	2014	64	815	9	13.35	16.5	357.6	357.6	357.5	23.14	19	15.62	11.65	11.19	10.56	-0.46	-1.087	-0.63	45.21	362.7	893	0
15	2014	64	830	8.35	12.26	15.13	357.3	358.2	358.8	24.36	18.45	13.97	11.66	11.1	10.36	-0.563	-1.309	-0.74	44.73	416.6	893	0
15	2014	64	845	7.928	11.54	14.18	356.6	355.5	356.1	20.64	18.37	14.32	11.91	11.22	10.43	-0.686	-1.483	-0.79	44.12	469.8	893	0
15	2014	64	900	8.36	11.93	14.53	354.5	354.7	357	22.91	14.47	14.65	12.2	11.47	10.65	-0.732	-1.548	-0.82	43.23	520.6	894	0
15	2014	64	915	8.37	11.94	14.97	356.3	355.9	357.3	20.84	18.69	16.13	12.46	11.61	10.68	-0.845	-1.774	-0.93	42.68	571.8	894	0
15	2014	64	930	8.49	12.15	14.56	357	356.7	357.9	22.02	18.94	16.94	12.67	11.76	10.8	-0.907	-1.867	-0.96	42.18	612.2	894	0
15	2014	64	945	8.56	12.46	14.74	357.7	357.8	358	21.04	20.22	13.39	12.63	11.64	10.71	-0.988	-1.921	-0.93	41.81	651	894	0
15	2014	64	1000	7.752	11.05	12.96	350.9	350	351.2	20.47	19.13	14.12	13.02	11.93	10.93	-1.094	-2.093	-1	40.85	689.9	894	0
15	2014	64	1015	7.531	10.93	12.37	344.9	344.9	345.7	19.31	14.88	12.69	13.29	12.06	11.13	-1.228	-2.154	-0.93	39.87	725	894	0
15	2014	64	1030	7.06	10.21	11.83	355.2	355.3	357.3	22.05	18.68	13.89	13.72	12.44	11.42	-1.279	-2.3	-1.02	38.84	756.4	895	0
15	2014	64	1045	6.535	9.22	10.97	0.821	0.078	0.618	21.62	16.66	16.18	14.09	12.78	11.62	-1.306	-2.471	-1.16	37.55	780.7	895	0
15	2014	64	1100	6.519	9.08	10.45	358.7	357.9	0.067	20.14	15.3	12.59	14.33	13.01	11.9	-1.317	-2.429	-1.11	36.7	811	895	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	64	1115	7.021	10.12	11.78	357.3	357.2	359.1	22.64	18.35	12.9	14.53	13.12	11.97	-1.412	-2.56	-1.15	36.55	836	895	0
15	2014	64	1130	6.446	9.03	10.3	354.9	356.1	357.7	22.21	14.96	13.64	15.04	13.59	12.59	-1.447	-2.449	-1	35.56	855	895	0
15	2014	64	1145	5.942	8.36	9.53	1.369	1.719	2.858	20.19	16.89	14.63	15.69	14.12	13.06	-1.573	-2.636	-1.06	34.25	872	895	0
15	2014	64	1200	5.788	8.07	9.38	359	358.5	359.9	19	16.59	15.41	16.08	14.54	13.44	-1.542	-2.641	-1.1	33.55	882	895	0
15	2014	64	1215	6.326	8.81	10.13	0.91	0.989	4.051	21.85	16.43	11.43	16.1	14.61	13.5	-1.489	-2.591	-1.11	33.4	889	895	0
15	2014	64	1230	5.889	8.31	9.58	2.619	2.025	4.78	21.77	18.04	13.12	16.83	15.4	14.12	-1.432	-2.71	-1.28	32.47	889	894	0
15	2014	64	1245	5.658	7.928	9.22	2.142	2.581	3.583	20.15	16.24	15.53	17	15.51	14.34	-1.486	-2.662	-1.17	31.73	881	894	0
15	2014	64	1300	5.752	8.2	9.33	357.2	357	358.9	20.33	16.81	16.22	17.26	15.61	14.53	-1.653	-2.729	-1.08	30.83	876	894	0
15	2014	64	1315	6.303	8.8	10.35	356.8	357	357.9	21.98	15.57	15.91	17.56	16.01	14.76	-1.55	-2.803	-1.25	30.03	864	894	0
15	2014	64	1330	5.733	8.17	9.71	360	0.842	2.695	18.84	15.54	14.01	17.78	16.33	15.05	-1.452	-2.726	-1.28	29.68	829	894	0
15	2014	64	1345	6.071	8.67	10.24	1.34	0.838	3.353	19.77	16.85	12.99	17.46	16.06	14.94	-1.392	-2.515	-1.12	30.71	761.4	894	0
15	2014	64	1400	6.25	8.87	10.11	8.25	9.7	10.65	19.09	13.22	9.08	17.35	15.9	14.85	-1.444	-2.498	-1.05	31.07	796.6	895	0
15	2014	64	1415	5.867	8.21	9.36	357.5	357.9	1.979	20.03	15.73	14.48	17.24	15.87	14.81	-1.375	-2.432	-1.06	31.33	682.5	895	0
15	2014	64	1430	6.018	8.21	9.56	18.13	17.34	16.16	16.61	12.15	10.22	17.14	16	14.96	-1.133	-2.176	-1.04	31.36	586.5	895	0
15	2014	64	1445	5.952	8.28	9.84	11.41	10.6	12.48	20.43	14.61	11.62	17.29	16.11	15.06	-1.184	-2.238	-1.05	31.74	703.9	895	0
15	2014	64	1500	5.79	8.16	9.73	6.86	7.013	7.372	23.25	19.11	15.03	16.9	15.84	14.85	-1.059	-2.057	-0.99	32.13	483	895	0
15	2014	64	1515	5.226	7.646	8.95	17.84	16.54	15.41	19.61	16.26	13.26	16.8	15.88	15.02	-0.927	-1.787	-0.86	32.45	412.6	895	0
15	2014	64	1530	5.898	8.34	9.44	22.05	20.82	20.53	15.64	11.01	7.99	16.76	15.75	14.93	-1.003	-1.827	-0.82	32.69	501.3	895	0
15	2014	64	1545	5.828	8.51	9.69	29.11	28.85	26.1	15.76	10.76	9.33	16.63	15.59	14.72	-1.037	-1.905	-0.87	33	489.9	896	0
15	2014	64	1600	5.82	8.27	9.76	33.45	32.48	30.81	16.52	12.81	9.96	16.24	15.34	14.47	-0.898	-1.769	-0.87	34.19	429.9	896	0
15	2014	64	1615	5.63	8.15	9.63	27.07	26.25	29.3	15.05	10.68	7.843	16.03	15.21	14.36	-0.815	-1.665	-0.85	34.5	372.1	896	0
15	2014	64	1630	5.459	7.828	9.25	32.45	30.53	28.78	14.27	9.63	6.919	15.67	14.97	14.18	-0.705	-1.494	-0.79	35.14	312.4	896	0
15	2014	64	1645	4.991	7.094	8.36	24.82	25	26.83	16.88	10.59	8.87	15.27	14.65	13.94	-0.617	-1.326	-0.71	35.57	254	896	0
15	2014	64	1700	5.403	7.741	9.2	26.18	25.36	26.37	13.5	7.945	5.588	14.79	14.31	13.66	-0.475	-1.123	-0.65	36.39	192	897	0
15	2014	64	1715	5.195	7.478	9.03	32.64	30.71	31.66	12.61	8.47	6.894	14.25	13.92	13.35	-0.326	-0.904	-0.57	38.1	131.9	897	0
15	2014	64	1730	4.83	6.89	8.56	31.67	32.3	33.23	13.22	8.44	6.974	13.56	13.38	12.9	-0.176	-0.653	-0.48	39.87	79.16	897	0
15	2014	64	1745	4.288	6.303	8.2	40.67	39.56	38.49	13.73	9.51	6.762	12.89	12.86	12.51	-0.021	-0.371	-0.35	41.71	33.23	897	0
15	2014	64	1800	4.057	5.875	8	43.58	42.66	41.81	11.56	7.07	4.85	12.22	12.32	12.12	0.103	-0.1	-0.2	43.53	6.866	898	0
15	2014	64	1815	3.503	5.28	7.452	44.01	43.43	43.15	12.62	7.162	4.671	11.66	11.85	11.76	0.192	0.095	-0.09	44.82	1.196	898	0
15	2014	64	1830	2.46	4.053	6.233	40.41	39.74	40.98	11.29	5.62	3.72	10.84	11.24	11.37	0.392	0.528	0.13	46.53	0.605	898	0
15	2014	64	1845	2.138	3.636	5.991	46.32	43.62	42.81	10.63	6.41	4.016	10.04	10.63	10.99	0.593	0.953	0.36	48.62	0.57	898	0
15	2014	64	1900	1.939	3.478	6.3	52.83	49.36	46.41	11.96	6.837	3.849	9.42	10.04	10.53	0.616	1.105	0.49	50.52	0.586	899	0
15	2014	64	1915	2.586	4.401	7.081	55.68	54.03	52.52	11.49	5.822	3.82	9.09	9.64	10.11	0.555	1.027	0.47	51.61	0.703	899	0
15	2014	64	1930	2.02	3.449	6.238	75.78	69.31	60.01	13.07	9.08	4.827	8.5	9.01	9.48	0.51	0.98	0.47	52.94	0.765	899	0
15	2014	64	1945	2.477	4.109	6.862	61.41	60.41	60.19	11.74	7.415	3.95	7.966	8.55	8.97	0.584	1.004	0.42	55.61	0.743	899	0
15	2014	64	2000	2.826	4.32	6.838	62.26	60.03	60.97	11.91	7.653	5.152	8.03	8.4	8.55	0.376	0.523	0.15	55.79	0.769	899	0
15	2014	64	2015	2.656	4.066	6.837	60.98	60.35	61.07	11.33	7.587	5.793	7.688	8.04	8.2	0.357	0.515	0.16	56.93	0.771	899	0
15	2014	64	2030	2.056	3.264	5.395	65.01	64.13	64.12	12.15	9.32	6.785	7.382	7.803	7.912	0.421	0.53	0.11	57.85	0.706	900	0
15	2014	64	2045	2.225	3.76	5.883	59.73	61.62	63.7	10.05	5.788	4.245	6.751	7.356	7.632	0.606	0.881	0.28	60.05	0.592	900	0
15	2014	64	2100	0.919	2.187	4.739	37.64	61.23	67.68	42.55	6.797	4.613	5.893	6.591	7.245	0.698	1.352	0.65	62.65	0.583	900	0
15	2014	64	2115	0.56	1.184	4.073	341.3	74.27	73.77	92.8	9.18	3.495	4.542	5.99	6.896	1.448	2.354	0.91	66.97	0.395	900	0
15	2014	64	2130	1.682	3.493	5.8	68.78	73.65	69.52	5.402	4.478	2.605	3.153	6.176	6.775	3.023	3.623	0.6	70.25	0.666	900	0
15	2014	64	2145	2.073	4.258	7.188	69.31	71.08	69.78	8.36	3.247	1.581	4.019	5.577	6.842	1.557	2.822	1.26	70.52	0.897	900	0
15	2014	64	2200	2.204	4.341	7.212	67.58	71.22	69.64	7.452	2.701	1.835	3.884	5.344	6.697	1.46	2.813	1.35	70.31	0.848	900	0
15	2014	64	2215	2.48	4.58	7.955	74.07	73.69	71.39	8.74	4.711	1.577	4.12	4.919	6.42	0.799	2.299	1.5	70.33	0.989	900	0
15	2014	64	2230	3.078	5.206	9.81	66.24	67.33	72.06	9.42	5.416	1.318	4.216	4.747	6.658	0.531	2.442	1.91	70.29	1.146	900	0
15	2014	64	2245	2.293	3.775	7.333	72.13	74.02	76.87	10.95	7.864	3.661	4.703	5.234	6.017	0.531	1.314	0.78	68.8	0.934	900	0
15	2014	64	2300	1.131	2.296	4.934	89.8	88.2	83.7	12.95	7.985	4.144	4.19	5.048	5.592	0.858	1.401	0.54	70.18	0.63	900	0
15	2014	64	2315	0.546	1.379	3.405	139.2	114.8	90.3	51.74	26.39	7.608	3.611	4.833	5.539	1.222	1.927	0.71	72.41	0.378	900	0
15	2014	64	2330	1.2	2.128	2.441	167.3	170.1	111.3	35.9	23.57	7.488	1.819	4.242	5.357	2.423	3.538	1.12	77.25	0.374	900	0
15	2014	64	2345	0.628	1.709	2.882	94.3	139.7	105.3	34.91	8.13	3.735	0.91	4.479	5.679	3.568	4.769	1.2	79.52	0.376	901	0
15	2014	64	2400	0.597	1.623	2.627	43.03	140.8	113.4	23.98	16.47	7.195	-0.559	4.555	5.625	5.114	6.184	1.07	82	0.338	901	0
15	2014	65	15	1.035	1.535	2.6	86	145.5	111.7	20.68	7.519	4.334	-0.867	4.223	5.521	5.09	6.387	1.3	82.8	0.377	901	0
15	2014	65	30	1.378	2.505	3.311	97.9	118.5	101.1	6.359	3.961	3.948	0.231	4.682	5.619	4.451	5.388	0.94	83.2	0.728	901	0
15	2014	65	45	1.38	3.072	4.294	59.18	94.5	89.8	30.79	10.37	3.04	0.317	4.419	5.727	4.102	5.41	1.31	81.8	0.841	901	0
15	2014	65	100	1.754	3.784	5.8	36.64	74.61	84	7.295	2.89	1.254	-0.285	3.304	5.951	3.59	6.237	2.65	86.1	0.623	900	0
15	2014	65	115	1.475	3.377	6.106	46.42	74.57	83.2	8.97	4.111	1.671	0.468	3.022	5.865	2.554	5.397	2.84	85.2	0.742	900	0
15	2014	65	130	1.384	3.02	5.702	32.24	68.39	78.43	8.97	3.736	1.212	-0.193	2.039	5.618	2.231	5.811	3.58	86	0.589	900	0
15	2014	65	145	1.631	3.834	6.086	66.08	75.72	76.33	9.26	3.341	0.537	0.484	2.226	5.811	1.742	5.327	3.58	86.2	0.84	900	0
15	2014	65	200	1.634	3.73	6.262	74.9	79.97	79.99	9.32	4.564	1.958	1.315	2.608	5.894	1.293	4.579	3.29	83.8	0.933	900	0
15	2014	65	215	1.301	2.234	4.405	185.5	149.5	89.4	77.19	68.25	16.31	1.307	2.358	4.512	1.052	3.205	2.15	84.3	0.716	900	0
15	2014	65	230	1.233	1.841	1.722	208.7	219.7	159.1	38.48	26.37	38.47	1.269	2.5	3.778	1.231	2.509	1.28	81.3	0.529	900	0
15	2014	65	245	0.935	2.011	2.175	215.1	237.5	217	21.31	10.66	16.53	0.022	1.847	3.116	1.825	3.094	1.27	85.5	0.496	900	0
15	2014	65	300	0.898	2.257	3.714	179.3	215.1	229	28.71	7.46	3.277	-1.004	0.521	3.046	1.525	4.05	2.52	88	0.526	900	0
15	2014	65	315	1.078	1.16	2.373	86.8	177.5	208.4	37.44	43.03	17.29	-1.77	0.997	3.222	2.766	4.992	2.22	89.3	0.367	900	0
15	2014	65	330	1.255	0.723	1.35	55.36	63.96	147	6.565	16.23	22.42	-1.67	2.374	4.045	4.044	5.714	1.67	91.1	0.361	900	0
15	2014	65	345	0.779	0.602	1.717	35.3	97.3	197.7	7.94	15.53	9.56	-1.922	3.122	4.123	5.043	6.044	1	90.4	0.345	900	0
15	2014	65	400	1.026	0.857	2.118	40.21	131.7	192.5	6.942	21.56	3.787	-1.907	3.086	4.013	4.994	5.921	0.93	91.2	0.411	900	0
15	2014	65	415	0.961	1.29	2.393	41.57	142.7	179	6.64	5.633	5.514	-1.94	3.195	4.211	5.135	6.151	1.02	90.9	0.463	900	0
15	2014	65	430	0.977	1.821	1.824	33.2	121.4	163.1	29.5	10.19	5.166	-1.523	3.177	4.394	4.7	5.917	1.22	91.3	0.452	899	0
15	2014	65	445	0.47	1.829	2.188	328.2	131.7	187.5	17.8	3.43	10.58	-1.271	1.844	4.247	3.115	5.517	2.4	90	0.516	899	0
15	2014	65	500	0.286	2.2	3.069	71.06	147.1	198.9	42.34	7.939	3.143	-1.309	2.164	4.026	3.473	5.335	1.86	91.6	0.484	899	0
15	2014	65	515	0.82	2.552	2.603	92.8	136.1	196	22.63	3.765	4.21	-1.059	2.905	4.43	3.964	5.489	1.52	90.7	0.597	899	0

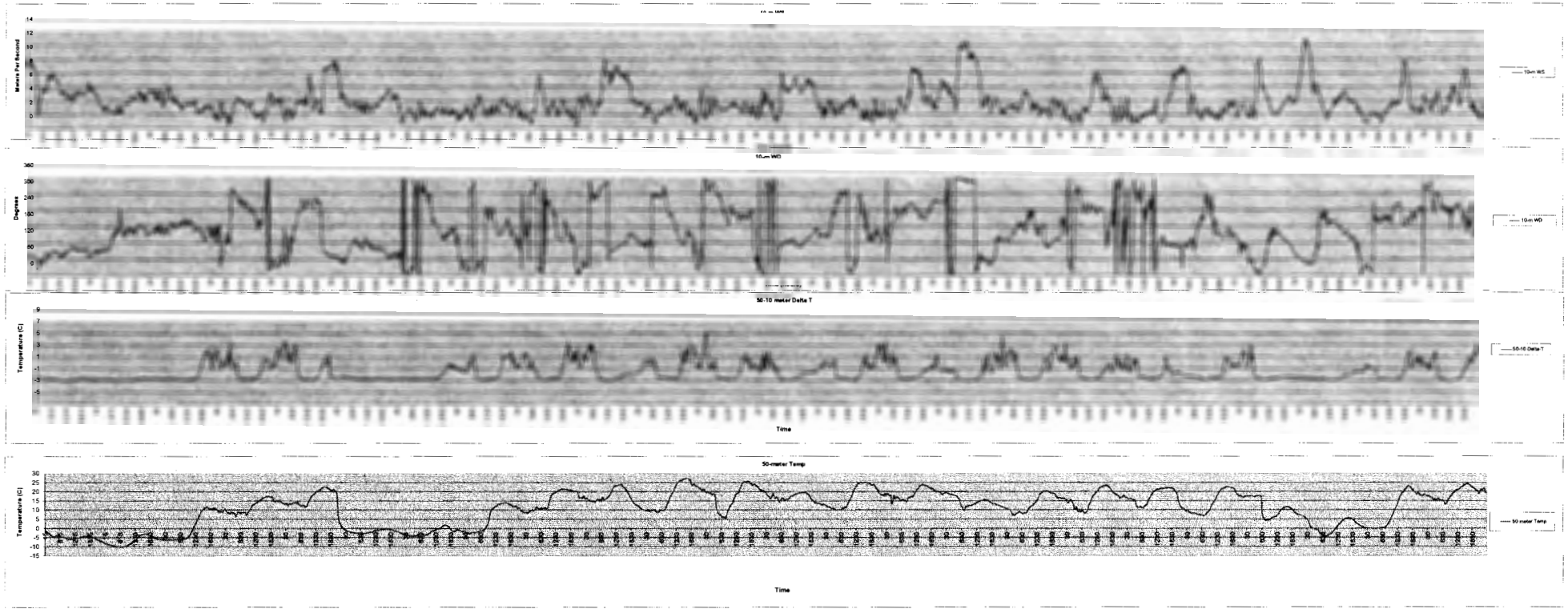
TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	65	545	0.69	2.702	2.434	102.6	132.1	187.7	22.4	5.899	4.67	-0.479	2.477	4.174	2.956	4.653	1.7	91.2	0.559	899	0
15	2014	65	600	1.105	3.028	2.073	119.3	133.4	179.3	8.07	2.103	3.075	-0.578	2.983	4.344	3.561	4.922	1.36	92.3	0.621	899	0
15	2014	65	615	1.46	3.727	2.783	123	131.6	163.2	8.43	2.467	6.463	-0.413	2.412	4.291	2.825	4.704	1.88	93.5	2.261	899	0
15	2014	65	630	1.453	3.549	3.633	111.6	119.8	147.3	13.75	6.388	5.409	0.531	1.882	4.117	1.351	3.586	2.24	92.3	15.85	899	0
15	2014	65	645	1.571	3.359	4.97	110.3	113.8	138	11.74	4.419	1.563	1.088	1.697	3.931	0.609	2.843	2.23	91.5	67.13	899	0
15	2014	65	700	1.481	3.006	5.164	118.8	118.9	140.9	12.71	6.455	1.482	2.281	2.411	4.078	0.13	1.797	1.67	88.7	113.3	899	0
15	2014	65	715	1.888	2.943	4.518	121.2	122.1	148.7	13.91	10.85	9.03	3.53	3.353	4.583	-0.177	1.053	1.23	83.1	177.4	899	0
15	2014	65	730	2.336	3.103	4.541	137.9	137.8	164	10.77	6.659	4.88	4.527	4.129	4.77	-0.398	0.243	0.64	76.92	237.5	899	0
15	2014	65	745	2.376	3.002	3.932	161.8	160.2	170.4	18.56	14.42	9.43	5.737	5.236	4.864	-0.501	-0.874	-0.37	70.41	275.9	899	0
15	2014	65	800	2.705	3.55	4.018	184.7	182.7	186.7	14.52	9.84	7.281	6.786	6.028	5.426	-0.758	-1.361	-0.6	65.03	337.9	899	0
15	2014	65	815	2.952	3.772	4.156	192.5	190.2	193.9	14.79	10.4	7.195	7.385	6.562	5.903	-0.824	-1.482	-0.66	62	382.1	900	0
15	2014	65	830	2.853	3.72	3.85	194.4	192.4	196.2	17.6	13.05	9.12	8.14	7.23	6.61	-0.906	-1.526	-0.62	58.92	440.7	900	0
15	2014	65	845	3.218	4.091	4.532	205.3	201.8	199.3	16.55	13.98	12.14	8.99	7.931	7.13	-1.062	-1.863	-0.8	55.63	509.4	900	0
15	2014	65	900	3.392	4.421	4.875	198.1	198.6	202.5	16.12	11.53	8.19	9.33	8.13	7.43	-1.202	-1.899	-0.7	53.67	560.3	900	0
15	2014	65	915	3.314	4.273	4.656	195.4	194.7	200.8	16.12	12.88	11.35	9.99	8.78	7.976	-1.207	-2.015	-0.8	51.62	601.1	899	0
15	2014	65	930	3.233	4.068	4.38	200.5	199	201	20.4	18.54	12.29	10.6	9.37	8.53	-1.23	-2.064	-0.84	49.41	638.8	899	0
15	2014	65	945	3.199	4.024	4.302	200.4	198.5	200	19	14.28	10.56	11.14	9.8	8.98	-1.337	-2.161	-0.82	47.66	678.3	899	0
15	2014	65	1000	2.919	3.584	3.879	188.3	188.2	190.3	18.54	14.79	10.23	11.66	10.37	9.58	-1.29	-2.082	-0.79	45.87	730	899	0
15	2014	65	1015	2.62	3.164	3.396	185.7	183	183.6	22.03	19.52	15.1	12.14	11.02	10.3	-1.117	-1.839	-0.72	43.4	696.8	899	0
15	2014	65	1030	2.903	3.667	3.961	190	187	184.5	19.1	13.43	8.02	12.85	11.65	10.87	-1.203	-1.986	-0.78	39.83	610.2	899	0
15	2014	65	1045	3.229	4.108	4.335	198.5	197.7	198.7	21.69	19.52	13.91	14.07	12.65	11.91	-1.414	-2.157	-0.74	35.75	826	899	0
15	2014	65	1100	3.718	4.649	5.148	197.9	195.7	193.4	20.02	16.53	11.23	14.98	13.44	12.55	-1.543	-2.427	-0.89	31.86	819	898	0
15	2014	65	1115	4.256	5.425	6.157	198	196.7	198	17.12	13.49	9.9	15.67	14.06	13.09	-1.614	-2.581	-0.97	29.43	802	898	0
15	2014	65	1130	4.37	5.697	6.336	192.5	191.3	192.8	17.61	14.11	11.92	16.36	14.6	13.62	-1.762	-2.745	-0.98	26.37	857	897	0
15	2014	65	1145	4.34	5.713	6.282	185	184.1	186.3	16.6	11.94	10.6	16.24	14.78	13.84	-1.458	-2.396	-0.94	26.18	694.9	897	0
15	2014	65	1200	4.611	6.092	6.56	184.9	182.6	185	17.27	12.88	10.14	16.75	15.12	14.25	-1.62	-2.497	-0.87	23.63	738.3	897	0
15	2014	65	1215	4.678	5.996	6.845	190.4	187.4	189	16.86	13.04	11.15	17.13	15.64	14.7	-1.489	-2.431	-0.94	21.62	739.5	896	0
15	2014	65	1230	4.7	6.24	7.204	183.8	182.2	184.5	17.8	14.21	11.86	18.15	16.46	15.3	-1.689	-2.842	-1.16	21.06	848	896	0
15	2014	65	1245	4.818	6.361	7.202	180.4	178.6	182.8	15.95	13.29	9.68	19.01	17.3	16.16	-1.701	-2.849	-1.14	19.54	881	895	0
15	2014	65	1300	4.901	6.563	7.26	184.3	180.4	182.9	17.34	14.91	13.45	19.18	17.47	16.56	-1.711	-2.621	-0.91	20.04	859	895	0
15	2014	65	1315	4.726	6.284	7.074	187.8	186.7	185.2	17.85	14.93	12.15	19.77	18.03	16.91	-1.742	-2.859	-1.12	20.04	798	895	0
15	2014	65	1330	4.858	6.445	7.027	197.6	195.6	197.8	14.73	11.46	9	19.59	18.04	17.16	-1.549	-2.432	-0.88	20.83	662.2	894	0
15	2014	65	1345	4.543	5.927	6.629	190.5	188.9	190.8	16.77	13.27	11.45	20.01	18.47	17.63	-1.54	-2.378	-0.84	20.53	734	894	0
15	2014	65	1400	4.351	5.602	6.504	190.4	188.6	189.6	17.97	13.61	11.69	20.66	19.13	18.15	-1.523	-2.509	-0.98	19.69	731.8	894	0
15	2014	65	1415	4.333	5.751	6.489	196.2	194.1	195.6	19.55	15.37	9.36	20.99	19.46	18.47	-1.532	-2.516	-0.99	19.65	707.3	893	0
15	2014	65	1430	4.503	6.038	6.766	195.2	193.1	190.5	16.16	12.24	11.26	20.81	19.42	18.57	-1.394	-2.238	-0.85	19.96	605	893	0
15	2014	65	1445	4.728	6.464	7.091	180.1	177.6	178	17.5	13.2	10.08	20.67	19.31	18.47	-1.365	-2.201	-0.84	20.35	539.5	893	0
15	2014	65	1500	4.738	6.451	7.181	183.2	180.3	180.1	15.35	11.09	8.01	20.32	19.24	18.48	-1.078	-1.837	-0.76	20.86	430.5	892	0
15	2014	65	1515	4.403	6.067	6.796	177.7	175.9	177.8	15.71	12.18	8.65	20.64	19.53	18.74	-1.111	-1.894	-0.79	20.75	441.4	892	0
15	2014	65	1530	4.29	5.938	6.893	181.8	181.1	183.5	13.5	11.17	9.34	20.81	19.84	19.03	-0.965	-1.777	-0.81	20.58	386.9	892	0
15	2014	65	1545	4.507	6.363	7.416	178.2	176.9	177.7	13.48	8.66	6.165	20.36	19.55	18.78	-0.813	-1.581	-0.77	21.07	312.7	892	0
15	2014	65	1600	4.371	6.074	7.009	177.8	176.7	177.1	12.73	7.602	5.918	20.31	19.65	18.94	-0.662	-1.374	-0.71	20.96	272.2	892	0
15	2014	65	1615	4.341	6.015	6.977	170.6	170.1	171.9	12.27	8.09	5.173	20.36	19.7	19.01	-0.659	-1.355	-0.69	20.58	274.5	892	0
15	2014	65	1630	4.29	5.974	7.289	170.1	168.9	170.2	12.48	8.29	5.644	20.09	19.62	18.98	-0.47	-1.111	-0.64	20.52	204.4	892	0
15	2014	65	1645	4.115	5.886	6.972	168.2	166.4	167.9	12.96	7.965	5.831	19.73	19.44	18.94	-0.287	-0.792	-0.5	20.91	148.3	892	0
15	2014	65	1700	3.366	4.913	6.105	168.3	166.5	166	12.3	8.66	6.769	19.53	19.39	18.97	-0.144	-0.561	-0.42	21.1	114.7	892	0
15	2014	65	1715	3.537	5.046	6.48	168.6	166.2	168.2	11.2	7.949	5.043	19.21	19.21	18.9	0.001	-0.306	-0.31	21.34	78.98	892	0
15	2014	65	1730	3.453	5.067	6.829	164.7	163.7	166.5	10.86	7.083	4.37	18.73	18.85	18.66	0.113	-0.07	-0.19	21.89	50.99	891	0
15	2014	65	1745	3.157	4.721	6.97	156.6	156.1	159.5	10.63	6.86	3.698	18.14	18.41	18.43	0.273	0.286	0.02	22.48	23.09	891	0
15	2014	65	1800	2.721	4.319	6.721	159.2	156	157	11.2	6.778	3.66	17.63	18.01	18.16	0.377	0.527	0.15	23	4.819	891	0
15	2014	65	1815	2.002	3.437	5.981	156.6	154.9	157.6	12.23	7.398	3.351	16.91	17.47	17.8	0.559	0.894	0.33	23.92	0.864	891	0
15	2014	65	1830	2.288	3.782	6.725	151.2	150.5	155.7	11.85	7.782	3.755	16.63	17.16	17.62	0.53	0.984	0.46	24.28	0.792	891	0
15	2014	65	1845	2.191	3.865	7.49	147.2	145.1	151.2	13.61	7.811	2.765	16.07	16.6	17.52	0.535	1.456	0.92	25.01	0.715	891	0
15	2014	65	1900	1.832	3.122	4.951	187.9	189.9	165.4	22.03	22.58	15.3	15.5	16.16	16.52	0.661	1.014	0.36	25.76	0.601	891	0
15	2014	65	1915	2.566	4.222	6.381	159	160.8	160.5	10.96	6.649	5.454	15.36	16.14	16.54	0.78	1.178	0.4	26.46	0.762	892	0
15	2014	65	1930	2.774	4.511	6.547	164.1	163.7	156.9	10.52	6.157	5.183	15.51	16.12	16.43	0.609	0.921	0.31	26.17	0.847	892	0
15	2014	65	1945	2.246	3.804	7.451	157.3	150.2	148.8	17.5	12.18	3.401	14.92	15.55	16.34	0.633	1.421	0.79	27.34	0.645	892	0
15	2014	65	2000	3.1	4.999	8.81	135	134.8	145.3	10.16	5.854	2.61	14.98	15.4	16.45	0.419	1.476	1.05	27.47	0.972	891	0
15	2014	65	2015	2.918	4.68	8.46	138.3	136.8	145.1	11.2	7.17	3.189	14.94	15.36	16.33	0.417	1.386	0.97	27.62	0.898	891	0
15	2014	65	2030	3.251	4.968	8.63	145.1	142.6	146.9	11.21	7.435	3.76	15.45	15.81	16.52	0.36	1.063	0.71	26.52	1.13	891	0
15	2014	65	2045	3.423	5.18	8.82	144.3	143.4	149	10.98	6.955	3.829	15.76	16.11	16.77	0.356	1.01	0.66	25.61	1.013	891	0
15	2014	65	2100	3.655	5.555	9.12	143.6	142.2	146	11.07	6.72	3.635	15.74	16.07	16.56	0.335	0.82	0.49	25.47	1.05	891	0
15	2014	65	2115	3.483	5.303	8.64	144.7	142.9	146.4	12.08	7.263	4.29	15.64	15.95	16.28	0.308	0.637	0.33	25.66	0.832	891	0
15	2014	65	2130	3.663	5.504	8.72	146.1	143.8	147.3	11.48	7.32	4.105	15.59	15.9	16.22	0.311	0.626	0.32	25.1	0.924	891	0
15	2014	65	2145	3.455	5.134	8.38	147.1	144.2	146.3	11.58	7.253	4.126	15.29	15.57	15.88	0.282	0.587	0.31	24.73	0.802	891	0
15	2014	65	2200	2.632	4.141	6.711	142.9	141.9	147.9	12.4	7.769	4.084	14.68	15.09	15.51	0.417	0.834	0.42	25.58	0.717	891	0
15	2014	65	2215	1.955	3.202	6.18	160	154.3	150.7	13.51	9.95	5.107	14.36	14.84	15.26	0.483	0.897	0.42	25.72	0.641	891	0
15	2014	65	2230	2.842	4.48	7.296	150.9	149	153.6	11.94	8.09	5.514	14.2	14.7	15.25	0.5	1.048	0.55	25.64	0.653	891	0
15	2014	65	2245	3.135	4.841	7.962	155.5	154.5	157.4	11.27	7.309	5.099	13.98	14.43	14.98	0.457	1.003	0.55	25.48	0.873	890	0
15	2014	65	2300	3.22	5.1	8.44	157.4	155.1	158.3	10.35	6.632	3.949	13.66	14.11	14.73	0.451	1.067	0.62	26.03	0.824	890	0
15	2014	65	2315	3.273	5.117	8.54	157.4	155.9	159.6	11.51	6.852	3.767	13.73	14.12	14.76	0.386	1.03	0.64	25.77	1.013	890	0
15	2014	65	2330	3.024	4.703	7.917	163.2	160.8	164.7	11.19	6.666	3.474	13.7	14.03	14.6	0.33	0.901	0.57	25.76	0.965	890	0
15	2014	65	2345	2.501	4.126	7.133	168	164.9	168	11.33	6.541	3.567	13.44	13.83	14.34	0.385	0.9	0.51	26.31	0.779	890	0
15	2014	65	2400	2.185	3.835	7.059	162	160.4	168.2	12.71	7.556	3.861	13.24	13.8	14.69	0.561	1.455	0.89	26.74	0.746	890	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	66	15	2.139	3.773	6.643	157.6	154.4	166.1	10.27	5.823	3.469	13.23	13.87	14.64	0.648	1.409	0.77	26.67	0.883	890	0
15	2014	66	30	1.799	3.439	6.215	158.4	151.5	159.3	11.96	6.418	3.621	12.79	13.43	14.11	0.635	1.322	0.68	27.59	0.687	890	0
15	2014	66	45	1.859	3.488	6.365	156.7	150.3	161.4	11.29	6.15	3.329	12.75	13.32	14.32	0.57	1.575	1	27.8	0.755	890	0
15	2014	66	100	1.837	3.536	5.799	149.6	148.6	165.7	10.24	4.619	3.925	12.74	13.51	14.45	0.763	1.706	0.94	27.74	0.727	890	0
15	2014	66	115	1.928	3.489	5.753	158.5	156.9	168.7	10.11	5.375	4.295	12.79	13.49	14.26	0.7	1.464	0.77	27.48	0.685	890	0
15	2014	66	130	1.927	3.56	5.71	165	162.1	173.3	10.18	5.461	4.068	12.87	13.62	14.33	0.749	1.46	0.71	27.16	0.807	889	0
15	2014	66	145	1.903	3.525	5.719	161.1	158.9	171.8	11.42	6.116	4.544	13	13.68	14.37	0.674	1.364	0.69	26.38	0.846	889	0
15	2014	66	200	2.103	3.717	6.112	166.6	162.8	176.5	12.15	9.47	6.547	12.98	13.73	14.54	0.746	1.56	0.81	26.02	0.842	889	0
15	2014	66	215	1.84	3.425	5.768	160.4	160.9	180.7	12.48	7.626	3.521	12.76	13.6	14.38	0.841	1.618	0.78	25.59	0.769	889	0
15	2014	66	230	2.018	3.81	6.361	159.4	163.8	187.9	13.61	9.09	5.264	12.79	13.89	15.04	1.1	2.257	1.15	25.29	0.691	889	0
15	2014	66	245	1.608	3.403	4.948	160.2	168.8	189.8	10.05	4.268	3.34	12.63	14.06	14.83	1.431	2.199	0.77	24.55	0.655	888	0
15	2014	66	300	1.66	3.422	4.549	146.4	165.2	202	10.31	3.878	4.714	12.16	14.34	15.24	2.173	3.074	0.9	24.98	0.577	888	0
15	2014	66	315	0.983	2.524	4.539	163.2	175.5	209.6	20.23	6.768	4.695	11.7	13.74	15.22	2.041	3.519	1.48	25.72	0.533	888	0
15	2014	66	330	1.226	2.826	4.896	156.8	181.8	206.3	6.602	5.79	2.865	11.21	13.79	15.28	2.582	4.069	1.49	26.56	0.585	888	0
15	2014	66	345	1.272	3.222	4.619	143.4	170	203.2	7.721	6.718	2.89	11.21	14.17	15.2	2.955	3.986	1.03	27.1	0.594	888	0
15	2014	66	400	1.756	3.597	4.351	138.3	154.9	203.3	6.782	2.673	4.223	11.18	13.49	15.09	2.311	3.918	1.6	27.21	0.738	888	0
15	2014	66	415	1.024	3.031	3.317	154.9	149.5	210	40.4	5.315	4.952	11.19	13.02	14.9	1.833	3.713	1.88	26.97	0.51	888	0
15	2014	66	430	1.369	3.199	3.038	132.5	152.5	213.2	17.3	5.31	5.284	10.43	13.5	14.84	3.073	4.414	1.34	28.21	0.528	888	0
15	2014	66	445	1.786	3.874	3.354	138.8	153.9	208.4	5.591	3.021	3.955	9.73	13.45	14.93	3.719	5.196	1.48	29.4	0.466	888	0
15	2014	66	500	1.912	3.875	3.391	136.2	157.2	205.7	5.515	4.856	4.284	8.85	13.35	14.83	4.493	5.978	1.48	31.3	0.403	888	0
15	2014	66	515	1.496	4.054	3.168	119.7	140	188.2	18.55	8.03	5.925	8.35	12.11	14.42	3.763	6.074	2.31	32.93	0.397	888	0
15	2014	66	530	1.79	4.366	3.632	135	135.6	182.4	8.27	3.306	4.512	8.29	11.41	14.2	3.118	5.914	2.79	33.18	0.598	888	0
15	2014	66	545	1.682	4.129	4.167	135.4	131.5	181.5	11.23	3.491	3.91	8.53	10.5	14.16	1.975	5.631	3.66	33.23	0.633	888	0
15	2014	66	600	1.339	3.5	4.614	123.8	125.1	184	12.31	6.239	3.14	8.4	10	14.07	1.599	5.671	4.07	33.69	0.618	888	0
15	2014	66	615	0.796	2.986	4.038	77.73	112.3	183.3	35.12	6.995	4.843	7.901	9.59	14.02	1.686	6.123	4.43	34.92	1.196	888	0
15	2014	66	630	1.227	2.968	3.539	124.6	132	177.8	12.63	7.333	8.12	8.58	11.07	13.82	2.494	5.24	2.75	33.23	8.45	888	0
15	2014	66	645	0.502	2.366	2.868	97.1	123.5	193	36.92	6.692	11.38	8.45	10.35	14.58	1.902	6.132	4.23	33.29	33.9	889	0
15	2014	66	700	0.746	2.07	3.566	79.17	117.3	178.4	57.5	17.08	15.73	8.58	10.17	14.06	1.597	5.481	3.89	33.9	65.04	889	0
15	2014	66	715	0.91	2.324	3.556	118.2	123	170.5	61.4	15.99	11.41	10.11	10.93	14.01	0.829	3.903	3.08	31.48	96.2	889	0
15	2014	66	730	1.37	2.669	4.371	139.4	135.8	183.5	25.14	7.772	5.57	11.48	11.65	14.1	0.17	2.62	2.45	29.19	156.2	889	0
15	2014	66	745	2.216	3.254	4.407	130.9	130	168.2	10.95	7.361	7.215	12.77	12.52	13.8	-0.247	1.032	1.28	27	226.4	889	0
15	2014	66	800	2.176	2.818	4.12	156.8	155.8	185.4	15.95	14.54	7.627	14.1	13.63	14.26	-0.471	0.163	0.63	25.29	311	889	0
15	2014	66	815	2.267	2.918	3.75	171	171.1	185.7	12.17	9.47	7.012	15.53	14.98	14.58	-0.552	-0.957	-0.4	22.61	326.6	889	0
15	2014	66	830	2.215	2.775	2.893	179.2	178.5	187.4	16.37	10.37	10.05	16.5	15.78	15.14	-0.72	-1.364	-0.64	21.01	384.9	889	0
15	2014	66	845	2.406	2.892	3.067	198.7	195.8	198.9	16.76	11.73	8.93	17.08	16.39	15.78	-0.69	-1.301	-0.61	19.79	425.6	889	0
15	2014	66	900	2.458	2.97	3.12	202	199.4	202.1	14.77	11.86	10.18	17.79	16.98	16.36	-0.816	-1.433	-0.62	18.95	520.1	889	0
15	2014	66	915	2.554	3.147	3.313	210.1	206.2	206.7	18.77	16.61	10.43	18.73	17.78	17.08	-0.96	-1.659	-0.7	17.87	585.8	889	0
15	2014	66	930	2.606	3.185	3.494	203.5	204.5	212.6	18.86	16.41	14.93	19.17	18.18	17.44	-0.989	-1.73	-0.74	17.36	615.3	889	0
15	2014	66	945	2.482	3.023	3.318	215.6	214.9	217	21.72	19.14	13.85	19.68	18.82	18.07	-0.857	-1.606	-0.75	16.77	673.8	889	0
15	2014	66	1000	2.728	3.355	3.641	233.2	233.3	237.7	21.56	15.9	12.06	20.3	19.29	18.59	-1.009	-1.708	-0.7	16.04	694.3	888	0
15	2014	66	1015	3.008	3.793	4.163	249.7	249.6	246.4	18.33	15.24	12.47	21	19.86	19.06	-1.139	-1.946	-0.8	15.53	761	888	0
15	2014	66	1030	3.255	4.26	4.764	247.7	247.4	246.9	17.06	13.91	10.05	22.3	20.98	20.13	-1.315	-2.168	-0.85	14.81	800	888	0
15	2014	66	1045	3.821	5.029	5.625	248.1	248.5	248	14.36	11.41	9.38	23.17	21.83	21.01	-1.339	-2.159	-0.82	14.09	826	888	0
15	2014	66	1100	4.403	5.978	6.852	247.3	249.6	249.4	15.66	11.56	10.89	24	22.47	21.54	-1.535	-2.463	-0.93	13.56	854	888	0
15	2014	66	1115	4.27	5.808	6.656	252.6	251.4	252.5	16.6	12.68	12.24	24.13	22.67	21.76	-1.465	-2.374	-0.91	13.74	876	888	0
15	2014	66	1130	4.481	6.193	7.305	257.9	258	259.7	17.87	14.18	11.43	24.57	23.09	22.1	-1.482	-2.474	-0.99	14	888	887	0
15	2014	66	1145	4.537	6.485	7.376	255.9	255.7	257.2	17.76	15.97	15.03	25.38	23.91	22.84	-1.462	-2.533	-1.07	14.04	899	887	0
15	2014	66	1200	5.707	8.28	9.74	258.3	259.8	263.9	20.65	19.4	16.4	25.63	24.16	23.08	-1.476	-2.557	-1.08	13.95	908	887	0
15	2014	66	1215	5.887	8.61	10.14	269.7	270.3	272.1	16.69	13.99	11.66	25.7	24.18	23.02	-1.523	-2.684	-1.16	14.13	916	887	0
15	2014	66	1230	6.248	8.88	10.41	257	258.6	261.3	14.37	10.5	8.75	25.7	24.15	23.1	-1.557	-2.605	-1.05	13.92	922	886	0
15	2014	66	1245	5.349	7.427	8.76	259.4	260.4	264	16.13	14.19	14.12	25.9	24.38	23.27	-1.514	-2.631	-1.11	13.62	926	886	0
15	2014	66	1300	5.972	8.53	9.82	260.2	261.2	263.8	14.62	10.79	8.53	25.97	24.4	23.3	-1.578	-2.674	-1.1	13.02	925	886	0
15	2014	66	1315	5.526	7.682	8.83	256	256.4	256.8	14.62	12.51	11.57	25.61	24.16	23.24	-1.454	-2.378	-0.92	13.02	841	886	0
15	2014	66	1330	4.963	7.162	8.2	258.6	258.3	260.5	17.58	14.8	12.05	26.08	24.51	23.44	-1.562	-2.635	-1.07	12.23	878	885	0
15	2014	66	1345	5.136	6.845	7.986	268	269.1	272	22.66	20.42	17.96	26.05	24.71	23.68	-1.345	-2.378	-1.03	11.68	850	885	0
15	2014	66	1400	4.917	6.902	7.924	259	259	263.7	20.65	19	17.11	26.12	24.65	23.66	-1.469	-2.46	-0.99	11.17	823	885	0
15	2014	66	1415	4.354	6.328	7.225	262.7	264	265.3	20.24	16.97	13.28	26.18	24.74	23.82	-1.437	-2.354	-0.92	10.88	792.1	885	0
15	2014	66	1430	4.982	7.17	8.23	253.2	253.2	253.4	19.4	17.66	15.46	26.55	25.15	24.15	-1.394	-2.394	-1	9.95	755.4	884	0
15	2014	66	1445	5.411	7.663	8.85	252.9	255.5	260.3	15.72	12.2	10.5	26.79	25.47	24.56	-1.325	-2.234	-0.91	9.42	719.7	884	0
15	2014	66	1500	5.442	7.893	9.12	257.5	256.8	259	13.9	11.76	10.83	26.76	25.48	24.47	-1.282	-2.295	-1.01	9.42	679.8	884	0
15	2014	66	1515	5.49	8.07	9.45	260.9	262.5	265.5	17.43	14.25	10.68	26.17	25.29	24.46	-0.886	-1.71	-0.83	9.87	458.5	884	0
15	2014	66	1530	6.159	9.46	11.2	269	270	270.8	15.15	11.29	7.941	26.14	25.2	24.39	-0.94	-1.752	-0.81	10.6	545.4	884	0
15	2014	66	1545	6.099	9.11	10.73	269.2	269.1	269	13.18	10.09	8.86	25.83	25.09	24.26	-0.74	-1.572	-0.83	10.46	395.3	884	0
15	2014	66	1600	4.949	7.57	9.36	264.1	264.9	267.8	13.18	11.69	9.79	25.07	24.73	24.18	-0.346	-0.892	-0.55	11.49	198.1	884	0
15	2014	66	1615	5.09	7.443	9.22	257.7	258.2	260.7	16.42	14.1	11.85	25.48	25	24.38	-0.477	-1.105	-0.62	10.74	298.1	884	0
15	2014	66	1630	5.777	8.22	10.35	252.9	253.3	254.9	13.52	10.19	7.299	25.24	24.88	24.31	-0.358	-0.929	-0.57	11.84	229.9	884	0
15	2014	66	1645	4.972	7.283	9.54	254.7	254.7	257.5	11.07	8.39	5.183	24.35	24.35	24.01	-0.003	-0.344	-0.34	12.14	85.9	884	0
15	2014	66	1700	4.517	6.627	9.28	249.5	249.5	251.8	11.86	9.06	5.992	24.09	24.18	23.95	0.091	-0.142	-0.23	12.21	75.59	884	0
15	2014	66	1715	5.155	7.163	9.47	245.9	246.2	250	11.63	8.62	5.645	24.13	24.13	23.84	-0.007	-0.295	-0.29	12.87	122.8	884	0
15	2014	66	1730	5.55	7.943	10.23	246.2	246.9	249.2	13.12	10.21	7.136	24.38	24.35	24.01	-0.023	-0.364	-0.34	12.71	118.3	884	0
15	2014	66	1745	5.693	7.883	9.63	241.7	241.2	242.2	11.3	8.16	6.584	23.93	24.08	23.78	0.151	-0.145	-0.3	12.7	49.51	884	0
15	2014	66	1800	4.548	6.488	8.52	243.6	244.4	247.8	11.48	7.754	6.794	23.06	23.4	23.27	0.339	0.21	-0.13	13.3	11.38	885	0
15	2014	66	1815	3.701	5.348	8.06	243.4	243	242.7	11.38	8.53	6.523	22.23	22.71	22.91	0.478	0.674	0.2	14.54	1.855	885	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	66	1845	2.597	3.951	6.654	233.9	236.4	243.1	13.49	9.62	6.556	20.53	21.25	21.71	0.721	1.177	0.46	15.68	0.666	885	0
15	2014	66	1900	2.025	3.318	6.368	226.4	235.1	248.3	12.3	9.47	6.695	19.52	20.61	21.29	1.095	1.778	0.68	16.17	0.637	885	0
15	2014	66	1915	2.18	3.756	8.7	249.5	251.7	256.3	11.88	8.37	2.72	19.05	19.93	21.42	0.883	2.375	1.49	17.3	0.97	886	0
15	2014	66	1930	2.519	4.217	9.12	253.1	252.7	255.8	10.37	7.428	3.208	19.12	19.99	21.62	0.878	2.508	1.63	17.53	0.851	886	0
15	2014	66	1945	2.03	3.627	8.46	252.8	248.5	253.4	10.52	7.777	3.699	18.52	19.67	21.4	1.141	2.871	1.73	17.91	0.779	886	0
15	2014	66	2000	1.889	3.573	7.804	250.5	249.6	260.4	10.31	7.122	3.325	18.02	19.3	20.95	1.281	2.929	1.65	18.15	0.721	886	0
15	2014	66	2015	1.965	3.337	6.473	294	283.1	284.3	27.45	22.39	16.54	17.03	18.69	20.42	1.66	3.392	1.73	19.32	0.568	886	0
15	2014	66	2030	1.976	3.178	5.317	283.7	286.4	296.7	17.59	12.62	6.868	17.56	18.75	19.73	1.198	2.17	0.98	17.46	0.571	887	0
15	2014	66	2045	1.931	3.316	4.847	233.3	241.5	259.9	13.92	9.3	10.61	16.65	18.33	19.02	1.677	2.365	0.69	18.11	0.615	887	0
15	2014	66	2100	3.43	5.404	6.839	306.2	302.6	309.8	35.86	33.29	27.95	17.59	18.56	19.25	0.97	1.657	0.69	17.39	1.247	887	0
15	2014	66	2115	4.477	6.723	9.68	352.6	353.5	354.2	17.71	17.08	14.56	17	17.36	17.51	0.361	0.508	0.15	23.33	1.027	888	0
15	2014	66	2130	2.878	4.742	7.222	348.7	345.5	347.6	13.3	6.466	5.406	15.52	16.28	16.78	0.755	1.254	0.5	26.82	0.655	888	0
15	2014	66	2145	2.553	4.81	8.08	356.4	353.8	354	17.97	13.04	11.96	14.41	15.48	16.57	1.062	2.16	1.09	29.23	0.668	888	0
15	2014	66	2200	2.473	4.586	7.796	352.8	353.8	358.1	18.81	15.52	16.56	14.27	15.18	16.37	0.912	2.103	1.19	31.3	0.907	888	0
15	2014	66	2215	1.718	3.912	7.129	0.367	354.6	0.871	13.99	12.72	15.61	13.09	14.8	16.15	1.715	3.061	1.35	34.48	0.742	888	0
15	2014	66	2230	1.926	4.299	7.887	18.44	9.56	6.449	15.98	13.07	12.66	12.68	14.48	16.27	1.798	3.592	1.79	36.74	0.717	888	0
15	2014	66	2245	1.91	3.657	6.783	345.8	344.4	354.8	36	27.27	17.65	11.84	13.59	15.66	1.755	3.824	2.07	39.16	0.674	888	0
15	2014	66	2300	1.345	2.872	7.317	27.28	359.6	351.9	53.2	28.58	14.32	10.98	12.91	15.63	1.928	4.644	2.72	41.16	0.796	888	0
15	2014	66	2315	1.603	1.687	2.859	160	120	14.68	50.44	75.18	71.38	9.46	12.16	13.07	2.699	3.609	0.91	44.83	0.423	888	0
15	2014	66	2330	0.895	1.222	2.873	153.2	100.5	40.21	60.09	23.96	13.53	10.74	12.96	13.72	2.219	2.982	0.76	42.89	0.671	888	0
15	2014	66	2345	1.08	1.35	2.459	52.67	71.19	20.83	83.4	49.13	18.91	9.94	13.3	13.82	3.364	3.885	0.52	43.83	0.454	888	0
15	2014	66	2400	2.117	3.636	6.702	38.22	26.97	8.55	10.52	7.104	7.079	9.9	13.41	14.56	3.513	4.655	1.15	44.07	0.793	888	0
15	2014	67	15	2.217	4.329	7.922	46.02	32.54	19.47	16.17	8.6	10.41	10.47	12.81	14.75	2.342	4.286	1.94	43	0.972	889	0
15	2014	67	30	4.606	7.009	9.9	28.09	26.58	29.83	13.75	9.27	5.564	13.07	13.51	13.72	0.434	0.642	0.21	36.15	1.632	889	0
15	2014	67	45	4.694	6.992	10.02	29.69	30.17	31.35	11.65	7.127	4.439	12.87	13.13	13.16	0.26	0.291	0.03	35.63	0.979	889	0
15	2014	67	100	4.252	6.421	9.2	28.69	28.17	31.19	12.39	7.754	5.752	12.24	12.47	12.5	0.233	0.261	0.03	38.02	0.868	890	0
15	2014	67	115	4	5.958	8.64	31.94	31.66	32.56	11.67	8.37	5.557	11.72	11.93	11.91	0.208	0.182	-0.02	40.63	0.808	890	0
15	2014	67	130	4.374	6.598	9.24	41.5	40.26	41.57	11.7	6.68	5.007	11.35	11.49	11.36	0.141	0.015	-0.13	42.55	0.891	890	0
15	2014	67	145	4.876	7.251	9.65	41.5	41.11	43.25	14.16	9.28	6.271	11.09	11.15	10.92	0.064	-0.17	-0.23	43.81	1.078	890	0
15	2014	67	200	5.456	8.02	10.28	42.18	41.96	41.72	13.3	8.24	6.327	10.62	10.65	10.37	0.029	-0.253	-0.28	45.98	0.975	890	0
15	2014	67	215	4.847	7.106	9.39	34.72	35.54	37.49	12.82	8.87	6.591	10.25	10.21	9.89	-0.036	-0.359	-0.32	48.54	1.013	891	0
15	2014	67	230	4.584	6.689	8.47	33.67	32.97	36.23	14.34	9.48	7.183	9.94	9.88	9.52	-0.064	-0.417	-0.36	50.62	1.015	891	0
15	2014	67	245	4.125	5.977	7.395	34.6	32.34	33.1	13.97	9.22	6.271	9.62	9.56	9.22	-0.054	-0.398	-0.34	52.73	0.796	891	0
15	2014	67	300	4.696	6.648	8.43	53.75	52.48	52.39	12.99	9.36	7.46	9.17	9.1	8.74	-0.072	-0.433	-0.36	54.56	0.984	891	0
15	2014	67	315	5.223	7.474	9.5	58.49	57.25	57.86	13.64	10.27	7.327	8.34	8.24	7.851	-0.103	-0.488	-0.39	58.21	0.957	892	0
15	2014	67	330	4.776	6.9	8.83	47.04	46.77	48.28	14	10.16	8.17	7.881	7.789	7.415	-0.092	-0.467	-0.37	60.24	0.96	892	0
15	2014	67	345	4.624	6.472	8.01	63.48	61.21	61.59	12.13	9.32	8.29	7.465	7.368	6.983	-0.097	-0.482	-0.38	61.65	0.812	892	0
15	2014	67	400	4.711	6.754	8.5	54.52	53.5	56.13	15.75	12.97	10.33	6.94	6.805	6.399	-0.136	-0.542	-0.41	63.01	0.948	893	0
15	2014	67	415	4.727	6.848	8.62	31.68	32.52	34.01	22.89	18.74	15.99	6.574	6.457	6.053	-0.116	-0.52	-0.4	63.55	0.951	893	0
15	2014	67	430	4.73	6.889	9.04	10.52	7.87	9.45	17.08	13.93	12.22	6.105	6.042	5.698	-0.064	-0.408	-0.34	64.69	1.011	895	0
15	2014	67	445	5.624	8.32	10.74	7.02	6.819	8.03	16.62	13.16	7.262	5.496	5.407	5.035	-0.089	-0.461	-0.37	66.68	0.917	895	0
15	2014	67	500	5.259	7.905	10.25	12.89	12.27	12.19	14.66	9.22	3.929	4.997	4.948	4.608	-0.049	-0.389	-0.34	68.2	0.982	895	0
15	2014	67	515	4.779	6.904	9.21	16.12	15.38	15.7	12.6	11.53	4.752	4.625	4.586	4.272	-0.039	-0.353	-0.31	68.42	0.885	895	0
15	2014	67	530	3.643	5.538	7.34	6.315	6.36	8.48	18.39	15.34	11.63	4.268	4.299	4.034	0.03	-0.234	-0.26	69.67	0.814	896	0
15	2014	67	545	3.471	5.283	7.807	8.8	7.549	7.735	13.58	10.66	11.22	4.051	4.109	3.956	0.058	-0.095	-0.15	71.16	0.801	896	0
15	2014	67	600	4.168	6.202	8.4	3.784	2.888	5.216	17.04	13.4	12.59	4.05	4.093	3.876	0.043	-0.174	-0.22	71.7	0.881	897	0
15	2014	67	615	4.965	7.118	9.82	7.409	6.522	7.822	16.1	11.51	9.2	3.856	3.863	3.649	0.007	-0.207	-0.21	71.18	1.856	897	0
15	2014	67	630	6.136	8.93	11.77	9.78	9.72	10.57	18.92	13.22	7.484	3.716	3.685	3.382	-0.031	-0.334	-0.3	70.11	8.4	897	0
15	2014	67	645	5.508	8.23	10.95	8.82	7.839	9.13	15.63	12.16	7.577	3.678	3.611	3.271	-0.066	-0.407	-0.34	70.47	30.67	897	0
15	2014	67	700	5.807	8.57	11.24	5.815	5.107	7.012	19.2	14.33	12.44	3.977	3.848	3.446	-0.129	-0.531	-0.4	69.72	54.14	897	0
15	2014	67	715	5.245	7.655	10.06	8.77	6.532	7.812	17.06	14.58	11.85	4.211	4.053	3.628	-0.157	-0.582	-0.42	68.79	78.7	898	0
15	2014	67	730	4.708	6.857	8.39	4.881	3.658	4.841	17.39	14.06	14.87	4.917	4.517	3.91	-0.4	-1.007	-0.61	66.2	214.9	898	0
15	2014	67	745	5.128	7.327	8.68	7.527	5.047	7.027	18.98	13.2	14.35	5.457	4.933	4.24	-0.523	-1.217	-0.69	63.02	271.8	898	0
15	2014	67	800	5.407	7.759	9.25	5.627	5.958	5.922	18.08	16.91	12.77	5.865	5.206	4.441	-0.658	-1.424	-0.76	60.62	333.4	899	0
15	2014	67	815	6.328	8.92	10.63	2.408	2.212	4.331	19.54	16.19	15.1	5.834	5.172	4.365	-0.662	-1.468	-0.81	59.2	350.2	899	0
15	2014	67	830	6.451	9.19	11.27	8.67	9.09	9.45	18.76	13.79	6.912	6.02	5.335	4.444	-0.685	-1.576	-0.89	57.94	378.2	899	0
15	2014	67	845	5.8	8.31	9.77	9.77	10.57	12.57	18.02	15.8	7.776	6.476	5.682	4.813	-0.794	-1.663	-0.87	56.83	431	899	0
15	2014	67	900	6.456	9.15	11.23	8.48	7.151	6.582	19.77	15.36	11.22	6.618	5.775	4.836	-0.843	-1.782	-0.94	55.88	439.6	900	0
15	2014	67	915	5.825	8.19	9.66	7.155	6.193	6.059	18.34	14.49	12.71	6.377	5.815	5.098	-0.562	-1.279	-0.72	56.79	210.9	900	0
15	2014	67	930	5.276	7.491	8.74	11.44	12.29	11.56	17.43	11.04	8.57	7.056	6.297	5.527	-0.759	-1.529	-0.77	55.83	437.9	900	0
15	2014	67	945	5.258	7.484	8.64	11.98	11.28	12.26	17.72	13.55	7.932	8.03	6.964	6.076	-1.062	-1.95	-0.89	52.11	530.7	900	0
15	2014	67	1000	4.737	6.7	7.819	7.091	7.05	9.01	19.65	17.8	14.77	8.89	7.652	6.685	-1.237	-2.204	-0.97	49.1	659.3	900	0
15	2014	67	1015	5.636	7.779	9.02	10.14	9.38	10.52	20.32	14.53	12.38	9.53	8.16	7.008	-1.366	-2.518	-1.15	46.97	811	900	0
15	2014	67	1030	5.557	7.861	9.05	20.07	18.43	18.43	18.38	15.24	10.52	9.64	8.3	7.208	-1.344	-2.434	-1.09	46.21	637.5	900	0
15	2014	67	1045	5.152	7.084	8.17	12.42	11.89	11.17	19.69	15.34	12.95	10.28	8.8	7.72	-1.48	-2.563	-1.08	44.55	876	900	0
15	2014	67	1100	5.067	6.878	7.821	351.2	351.9	354.5	19.88	14.63	12.98	10.53	9.08	7.995	-1.448	-2.538	-1.08	43.44	756.7	900	0
15	2014	67	1115	4.546	6.226	7.494	15.63	15.48	16.01	18.48	13.51	13.55	10.43	9.11	8.12	-1.315	-2.309	-0.99	43.38	621.8	900	0
15	2014	67	1130	4.18	5.669	6.563	6.869	7.772	7.064	20.39	16.75	15.33	10.79	9.61	8.67	-1.187	-2.12	-0.94	42.4	584.5	900	0
15	2014	67	1145	4.573	6.145	7.035	10.71	9.95	10.45	18.13	15.52	10.69	11.15	9.97	8.99	-1.179	-2.166	-0.98	40.85	605.2	900	0
15	2014	67	1200	5.094	6.927	7.92	19.58	19.47	19.43	19.04	14.88	13.43	11.71	10.27	9.33	-1.435	-2.382	-0.94	39.25	776	900	0
15	2014	67	1215	4.516	6.007	6.922	9.27	9.41	11.07	19.39	15.9	13.95	11.93	10.48	9.5	-1.454	-2.435	-0.98	38.18	831	900	0
15	2014	67	1230	4.801	6.617	7.608	18.96	20.05	22.17	18.9	15.45	12.48	12.46	10.91	9.77	-1.552	-2.686	-1.14	36.83	789.2	899	0
15	2014	67	1245	5.426	7.43	8.62	10.22	10.91	12.47	20.01	16.47	13.95	12.06	10.73	9.67	-1.331	-2.381	-1.06	37.03	687.7	899	0
15	2014	67	1300	5.075	7.073	7.878	17.99	16.24	16.63	20.03	17.35	15.06	12.16	10.77	9.84	-1.392	-2.324	-0.93	36.91	672.9	899	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	67	1315	4.444	6.047	6.981	25.03	23.39	26.55	19.84	14.6	14.04	12.77	11.38	10.34	-1.388	-2.432	-1.04	35.47	646.1	899	0
15	2014	67	1330	4.911	6.852	7.731	25.15	23.47	21.25	25.04	21.86	18.33	12.59	11.32	10.41	-1.268	-2.183	-0.91	35.33	510.4	899	0
15	2014	67	1345	4.9	6.78	8.03	9.42	7.662	8.58	23.2	17.81	14.69	12.83	11.5	10.52	-1.326	-2.307	-0.98	35.26	685.5	899	0
15	2014	67	1400	5.39	7.639	8.61	21.73	21.5	20.47	19	13.34	10.26	12.88	11.58	10.61	-1.303	-2.269	-0.97	34.26	651.7	899	0
15	2014	67	1415	5.279	7.322	8.36	28.31	26.1	23.01	20.59	15.37	11.46	13.36	11.9	10.88	-1.464	-2.485	-1.02	33.32	797.2	899	0
15	2014	67	1430	5.253	7.271	8.35	19.15	18.34	19.68	18.8	12.73	9.84	13.44	11.95	10.97	-1.483	-2.469	-0.98	32.8	716.2	899	0
15	2014	67	1445	5.328	7.258	8.43	18.39	18.42	21.05	17.48	13.84	11.65	13.63	12.33	11.3	-1.307	-2.34	-1.03	32.39	715.5	899	0
15	2014	67	1500	5.415	7.567	8.74	24.37	24	23.38	20.99	16.9	13.16	13.32	12.17	11.15	-1.148	-2.165	-1.02	32.52	504.1	899	0
15	2014	67	1515	5.433	7.667	8.79	17.23	16.76	16.72	16.59	10.39	7.596	12.86	11.96	11.16	-0.897	-1.706	-0.8	33.45	359.3	899	0
15	2014	67	1530	5.043	7.26	8.4	19.98	19.56	21.05	16.91	11.2	10.15	13.29	12.27	11.36	-1.02	-1.93	-0.91	32.58	441.9	899	0
15	2014	67	1545	5.548	7.957	9.7	16.89	17.77	20.81	20.32	18.47	13.59	13.15	12.33	11.47	-0.821	-1.675	-0.86	32.5	310	899	0
15	2014	67	1600	5.273	7.301	8.67	21.26	22.15	21.62	17.22	12.44	10.87	13.69	12.71	11.68	-0.986	-2.011	-1.03	31.53	478.7	899	0
15	2014	67	1615	4.598	6.613	7.85	28.69	28.7	28.53	17.27	13.33	9.04	13.26	12.42	11.59	-0.84	-1.669	-0.83	32.03	304.1	899	0
15	2014	67	1630	5.051	7.155	8.64	24.8	24.76	24.46	13.7	8.69	6.887	12.88	12.33	11.67	-0.549	-1.211	-0.66	32.84	146.4	900	0
15	2014	67	1645	4.895	7.134	8.64	24.35	23.46	21.99	15.94	10.15	8.9	12.76	12.3	11.66	-0.455	-1.092	-0.64	33	120.2	900	0
15	2014	67	1700	4.97	7.215	8.96	23.74	22.98	23.9	12.15	7.705	4.447	12.48	12.12	11.55	-0.356	-0.935	-0.57	33.39	90.4	900	0
15	2014	67	1715	4.825	7.108	8.56	30.01	29.14	30	13.37	7.588	6.254	12.26	12.02	11.51	-0.244	-0.75	-0.51	33.97	47.44	900	0
15	2014	67	1730	4.686	6.813	8.57	27.95	26.36	25.55	12.35	8.54	6.104	12.03	11.84	11.38	-0.191	-0.652	-0.46	34.45	37.91	900	0
15	2014	67	1745	4.918	7.121	8.71	32.05	31.03	31.19	12.67	8.3	6.657	11.75	11.63	11.22	-0.123	-0.535	-0.41	35.26	23.83	900	0
15	2014	67	1800	4.844	7.094	9.19	36.62	35.32	36.83	12.88	8.1	4.829	11.32	11.29	10.95	-0.027	-0.364	-0.34	36.53	6.385	901	0
15	2014	67	1815	4.173	6.078	8.11	31.81	32.45	32.65	11.6	7.478	4.849	10.82	10.86	10.63	0.035	-0.195	-0.23	37.79	1.438	901	0
15	2014	67	1830	4.262	6.249	8.49	34.73	33.45	34.07	12.84	7.59	4.686	10.55	10.56	10.32	0.014	-0.23	-0.24	38.91	0.856	901	0
15	2014	67	1845	4.314	6.246	7.889	36.35	35.77	35.93	11.77	7.087	4.177	10.36	10.38	10.1	0.014	-0.256	-0.28	39.55	0.861	901	0
15	2014	67	1900	3.116	4.73	6.956	38.24	37.58	38.73	12.36	7.084	4.075	9.96	10.07	9.93	0.113	-0.022	-0.14	40.27	0.673	902	0
15	2014	67	1915	2.562	4.079	6.374	43.87	42.1	42.38	11.43	6.709	4.111	9.48	9.7	9.71	0.219	0.231	0.01	41.51	0.645	902	0
15	2014	67	1930	2.405	3.964	6.441	47.05	47.23	48.8	11.43	6.135	3.071	8.87	9.19	9.37	0.318	0.495	0.18	43.07	0.643	902	0
15	2014	67	1945	2.289	3.83	6.784	45.9	45.27	47.72	11.47	6.322	2.534	8.29	8.64	9.02	0.351	0.73	0.38	44.66	0.65	902	0
15	2014	67	2000	1.962	3.57	6.749	41.83	41.68	45.44	10.3	5.093	1.971	7.55	8.05	8.71	0.498	1.165	0.66	46.51	0.613	902	0
15	2014	67	2015	1.86	3.57	7.282	49.1	47.59	48.29	9.75	4.546	1.29	6.886	7.445	8.57	0.559	1.681	1.12	48.43	0.711	902	0
15	2014	67	2030	1.804	3.444	7.333	55.58	51.95	50.51	10.99	5.768	3.291	6.509	7.123	8.21	0.614	1.7	1.09	49.76	0.764	902	0
15	2014	67	2045	1.92	3.548	6.903	51.13	49.61	51.53	10.8	6.121	3.017	6.612	7.191	7.945	0.579	1.333	0.75	49.82	0.86	903	0
15	2014	67	2100	2.722	4.405	7.509	49.79	49.61	51.75	11.64	7.126	3.693	6.983	7.291	7.652	0.308	0.67	0.36	49	1.157	903	0
15	2014	67	2115	2.811	4.273	7.067	51.7	50.56	53.52	11.96	7.086	3.926	7.122	7.292	7.401	0.17	0.279	0.11	48.22	0.824	903	0
15	2014	67	2130	2.502	4.036	6.558	55.77	54.92	57.02	11.94	7.212	4.016	6.938	7.142	7.236	0.204	0.298	0.09	48.58	0.719	903	0
15	2014	67	2145	2.466	3.99	6.718	56.36	56.52	59.79	11.56	6.414	3.384	6.717	6.972	7.164	0.255	0.447	0.19	49.2	0.822	903	0
15	2014	67	2200	2.603	4.26	7.116	54.05	53.22	57.87	11.22	6.908	3.333	6.617	6.846	7.041	0.229	0.424	0.2	49.7	0.765	903	0
15	2014	67	2215	2.82	4.395	7.039	48.38	48.35	54.06	11.91	7.683	4.021	6.602	6.72	6.771	0.118	0.169	0.05	49.81	0.796	903	0
15	2014	67	2230	2.749	4.282	6.916	39.21	40.34	47.43	11.57	7.171	4.133	6.372	6.474	6.488	0.102	0.117	0.01	50.47	0.847	903	0
15	2014	67	2245	2.706	4.131	6.755	38.8	39.46	44.81	11.41	7.235	3.952	6.139	6.199	6.189	0.06	0.05	-0.01	51.26	0.75	903	0
15	2014	67	2300	2.624	4.106	6.514	42.07	42.09	45.17	12.19	7.081	3.989	5.983	6.034	5.955	0.051	-0.028	-0.08	51.82	0.786	903	0
15	2014	67	2315	2.388	3.719	5.974	41.83	42.19	46.45	12.52	7.692	4.385	5.876	5.943	5.848	0.067	-0.029	-0.1	52.16	0.606	903	0
15	2014	67	2330	2.308	3.582	5.765	39.09	39.12	45.64	12.53	7.653	4.049	5.744	5.807	5.734	0.063	-0.011	-0.07	52.57	0.757	903	0
15	2014	67	2345	1.526	2.553	4.363	35.61	38.97	47.69	12.08	7.429	4.468	5.511	5.642	5.567	0.131	0.056	-0.08	53.26	0.595	903	0
15	2014	67	2400	1.275	2.322	3.868	24.53	31.43	43.56	9.62	4.836	3.09	5.098	5.393	5.384	0.295	0.286	-0.01	54.53	0.527	903	0
15	2014	68	15	1.223	2.318	3.91	40.75	42.46	52.03	6.96	5.206	3.742	4.418	5.21	5.177	0.792	0.759	-0.03	56.49	0.431	903	0
15	2014	68	30	1.16	2.499	4.296	48.71	52.47	60.39	7.848	4.144	3.569	3.93	4.903	4.993	0.973	1.063	0.09	58.1	0.521	903	0
15	2014	68	45	1.015	2.182	4.393	42.2	57.8	65.58	9.08	4.908	3.513	3.217	4.621	4.96	1.404	1.743	0.34	60.05	0.488	903	0
15	2014	68	100	1.008	1.862	3.574	46.51	67.87	75.04	3.533	5.77	3.831	2.319	4.413	4.878	2.094	2.559	0.46	62.55	0.411	903	0
15	2014	68	115	1.045	1.462	3.299	47.99	78.4	77.32	54.19	24.02	3.089	1.599	3.989	4.745	2.389	3.146	0.76	64.77	0.44	903	0
15	2014	68	130	1.16	1.91	3.226	74.82	86.1	74.72	31.43	20.38	7.821	1.942	3.852	4.589	1.91	2.646	0.74	64.52	0.541	903	0
15	2014	68	145	1.098	2.541	4.734	42.49	54.48	64.52	6.621	3.798	2.194	1.628	4.176	5.009	2.547	3.381	0.83	65.01	0.714	903	0
15	2014	68	200	0.96	2.269	4.53	54.31	64.87	71.92	9.08	4.926	2.257	1.847	3.994	5.224	2.147	3.377	1.23	65.37	0.603	903	0
15	2014	68	215	1.056	2.486	4.084	39.96	65.05	76.2	9.04	5.594	2.589	1.79	4.108	5.281	2.318	3.491	1.17	65.39	0.673	903	0
15	2014	68	230	1.338	2.985	3.817	24.66	44.84	60.93	7.046	7.653	6.131	2.278	4.144	5.245	1.866	2.967	1.1	64.82	0.649	903	0
15	2014	68	245	1.652	3.445	4.35	26.88	25.94	37.43	11.21	3.825	4.93	2.972	3.86	4.987	0.888	2.015	1.13	62.48	0.887	903	0
15	2014	68	300	1.273	2.66	4.686	32.24	30.93	31.27	9.25	2.765	2.88	2.808	3.287	4.836	0.479	2.028	1.55	62.33	0.614	903	0
15	2014	68	315	1.082	2.539	4.676	34.72	34.87	26.74	6.654	1.675	0.8	2.131	3.318	4.736	1.187	2.605	1.42	64.48	0.528	903	0
15	2014	68	330	0.919	2.132	4.129	34.16	34.92	28.2	7.351	4.002	2.533	1.875	3.347	4.666	1.471	2.79	1.32	65.75	0.534	903	0
15	2014	68	345	0.679	1.99	3.662	68.27	55.28	41.38	24.55	10.58	4.724	2.077	3.336	4.569	1.259	2.492	1.23	65.53	0.572	903	0
15	2014	68	400	0.509	0.875	2.883	225.6	80.6	45.67	81.6	39.72	1.613	2.174	2.834	4.503	0.66	2.329	1.67	64.57	0.546	903	0
15	2014	68	415	0.955	0.682	2.044	292.6	283.1	38.14	36.65	46.57	7.852	2.204	2.994	4.286	0.79	2.082	1.29	64.72	0.454	903	0
15	2014	68	430	0.754	0.854	1.319	311.3	295.7	10.54	97.8	35.89	19.06	1.303	2.649	3.729	1.346	2.426	1.08	67.21	0.353	903	0
15	2014	68	445	0.945	1.218	1.573	40.45	346.1	19.05	8.06	20.43	2.61	0.893	2.622	3.487	1.73	2.594	0.86	68.15	0.387	904	0
15	2014	68	500	0.918	2.228	2.632	16.2	351.3	6.886	25.87	9.32	3.676	1.099	2.559	3.352	1.46	2.253	0.79	68.68	0.542	904	0
15	2014	68	515	0.652	1.655	3.261	22.12	1.146	358.3	26.47	12.68	10.16	1.48	1.874	3.122	0.394	1.643	1.25	67.64	0.634	904	0
15	2014	68	530	0.601	0.949	3.247	91.5	14.17	353	44.88	23.72	2.018	1.743	2.099	3.302	0.356	1.559	1.2	66.57	0.677	904	0
15	2014	68	545	1.138	2.03	3.505	22.86	14.98	358.6	9.97	9.44	8.2	1.697	2.23	3.699	0.533	2.002	1.47	65.92	0.728	904	0
15	2014	68	600	0.763	1.7	3.562	43.01	28.18	2.198	12.01	4.716	7.645	1.497	1.954	3.85	0.458	2.353	1.9	66.84	0.617	904	0
15	2014	68	615	0.904	1.713	3.398	56.84	37.85	0.083	10.21	3.257	9.59	1.624	2.186	3.734	0.563	2.11	1.55	66.94	2.164	904	0
15	2014	68	630	0.928	1.781	3.696	42.37	36.34	2.113	7.215	2.303	7.961	1.766	2.287	3.669	0.521	1.903	1.38	66.54	10.7	904	0
15	2014	68	645	1.011	2.231	4.232	39.86	29.96	5.865	11.26	4.395	1.91	2.122	2.481	3.657	0.359	1.535	1.18	65.69	33.47	904	0
15	2014	68	700	1.734	2.68	4.759	21.21	19.93	354.6	10.85	5.809	10.28	3.173	3.006	4.122	-0.166	0.949	1.12	61.6	85.4	904	0
15	2014	68	715	1.725	2.441	4.066	23.14	20.6	353.9	12.69	9.43	8.62	4.455	4.006	4.377	-0.449	-0.078	0.37	56.78	168.2	904	0

TIME INTERVAL min	YEAR	JULIAN DATE	TIME hour	2-Meter WS mps	10-Meter WS mps	50-Meter WS mps	2-Meter WD deg	10-Meter WD deg	50-Meter WD deg	2-Meter SIGMA T deg	10-Meter SIGMA T deg	50-Meter SIGMA T deg	2-Meter TEMP deg C	10-Meter TEMP deg C	50-Meter TEMP deg C	10-2 M DELTA T deg C	50-2 M DELTA T deg C	50-10 M DELTA T deg C	REL HUMIDITY %	SOLAR RAD w/m2	BARO PRESS mb	PRECIP mm
15	2014	68	745	2.358	2.951	3.195	356.4	354.3	356.6	18.38	15.78	12.07	6.418	5.718	5.118	-0.7	-1.3	-0.6	49.54	318.5	904	0
15	2014	68	800	2.379	3.096	3.441	351.4	352.7	355.8	20.16	14.99	12.72	7.08	6.215	5.523	-0.865	-1.557	-0.69	47.09	410.6	904	0
15	2014	68	815	2.939	3.919	4.185	350.1	348.5	350.5	16.6	15.95	12.88	7.603	6.699	6.043	-0.904	-1.56	-0.66	45.21	404.4	904	0
15	2014	68	830	2.874	3.819	4.279	351.2	351.4	351.7	17.02	15.55	13.66	7.797	7.07	6.388	-0.727	-1.41	-0.68	43.43	365.9	904	0
15	2014	68	845	3.133	4.059	4.397	358.2	358.1	357.2	18.77	17.15	12.31	8.35	7.544	6.853	-0.806	-1.497	-0.69	40.77	447.4	904	0
15	2014	68	900	2.765	3.603	4.052	354.2	355.8	356.8	21.89	18.73	13.16	8.7	7.801	7.152	-0.899	-1.547	-0.65	39.93	416.2	904	0
15	2014	68	915	2.711	3.615	3.957	1.615	2.35	1.042	18.31	15.26	11.84	9.08	8.23	7.525	-0.849	-1.554	-0.7	37.52	393.2	904	0
15	2014	68	930	2.789	3.753	4.051	7.819	4.305	5.276	19.67	16.94	11.04	9.67	8.73	7.91	-0.947	-1.762	-0.82	34.87	472.6	904	0
15	2014	68	945	2.857	3.661	3.943	6.978	6.655	2.323	24.42	18.79	12.9	9.93	9.1	8.45	-0.834	-1.482	-0.65	32.5	344.5	904	0
15	2014	68	1000	2.741	3.576	3.863	2.447	0.699	358.4	22.5	17.39	14.96	10.16	9.33	8.67	-0.827	-1.487	-0.66	30.65	404.4	904	0
15	2014	68	1015	2.592	3.233	3.534	352.7	353.8	353.1	24.17	19.24	16.44	10.51	9.55	8.9	-0.968	-1.614	-0.65	30.01	550.9	904	0
15	2014	68	1030	2.213	2.699	3.015	356.5	356.2	0.788	31.55	26.95	24.06	11.02	10.12	9.44	-0.906	-1.585	-0.68	29.04	595.2	904	0
15	2014	68	1045	2.496	3.206	3.585	345.2	345	352	36.36	34.98	22.67	11.53	10.64	9.87	-0.891	-1.659	-0.77	27.82	644.2	904	0
15	2014	68	1100	1.845	2.286	2.796	14.77	17.22	13.34	40.74	32.72	27.16	11.49	10.7	9.99	-0.787	-1.498	-0.71	27.56	562.2	903	0
15	2014	68	1115	1.846	2.062	2.116	322.7	318.9	316.2	51.8	42.48	34.2	12.09	11.26	10.49	-0.829	-1.602	-0.77	27.43	897	903	0
15	2014	68	1130	2.181	2.638	2.784	359	5.642	17.16	38.25	25.71	25.8	12.29	11.28	10.6	-1.014	-1.696	-0.68	25.25	637	903	0
15	2014	68	1145	1.812	2.045	1.723	288.3	295.7	319.7	55.14	61.36	69.26	12.35	11.63	10.93	-0.724	-1.417	-0.7	25.16	557.7	903	0
15	2014	68	1200	1.667	1.855	2.315	292.8	293.5	288.2	46.38	38.79	25.89	12.68	12.05	11.4	-0.632	-1.283	-0.65	24.66	683.2	903	0
15	2014	68	1215	1.779	2.104	2.252	351.7	355.7	17.37	45.72	40.56	33.11	13.09	12.23	11.41	-0.862	-1.681	-0.82	23.58	781.8	902	0
15	2014	68	1230	1.863	2.379	2.626	355.2	11.44	14.74	61.03	58	26.27	13.69	12.72	11.88	-0.967	-1.802	-0.84	22.98	881	902	0
15	2014	68	1245	2.244	2.841	2.755	18.29	17.44	23.26	32.29	26.6	25.11	14.14	12.87	12	-1.275	-2.141	-0.87	22.02	910	902	0
15	2014	68	1300	1.238	1.478	1.493	93.8	101.2	99.5	82.7	70.89	58.38	13.8	12.93	12.19	-0.869	-1.61	-0.74	22.74	904	901	0
15	2014	68	1315	1.968	2.385	2.496	243.2	259	268.9	90.2	88.7	90.6	14.67	13.56	12.75	-1.112	-1.917	-0.81	21.32	892	901	0
15	2014	68	1330	2.298	2.535	2.454	303.2	297	294.1	33.19	29.96	34	14.73	13.96	13.22	-0.769	-1.501	-0.74	21.24	872	900	0
15	2014	68	1345	1.98	2.376	2.351	315.1	316.3	309	56.93	49.65	50.3	15.07	14.21	13.59	-0.854	-1.482	-0.62	20.87	848	900	0
15	2014	68	1400	2.724	3.518	3.676	260.6	258.8	260.5	22.34	19.04	13.92	15.24	13.98	13.16	-1.257	-2.078	-0.82	20.39	819	900	0
15	2014	68	1415	2.185	2.572	2.732	237.3	234.2	241	31.05	29.77	31.23	15.22	14.25	13.6	-0.97	-1.623	-0.65	20.26	789.1	900	0
15	2014	68	1430	2.071	2.343	2.147	280	282.4	294.1	32.16	23.58	18.66	15.11	14.43	13.89	-0.675	-1.217	-0.54	20.38	750.2	899	0
15	2014	68	1445	1.428	1.642	1.486	275.3	296	297.4	79.95	59.32	42.2	15.13	14.71	14.21	-0.421	-0.919	-0.5	20.54	705.5	899	0
15	2014	68	1500	2.337	2.942	3.22	339.4	336	336.9	40.2	35.25	25.04	16.12	15.16	14.25	-0.963	-1.875	-0.91	19.31	665.6	899	0
15	2014	68	1515	2.23	2.602	2.628	312.5	308.6	311.1	42.24	38.74	37.82	15.64	14.93	14.29	-0.712	-1.359	-0.64	19.76	613.1	899	0
15	2014	68	1530	1.728	2.055	2.027	264	253.4	252.3	59.32	53.42	42.91	15.66	14.81	14.19	-0.853	-1.467	-0.62	19.8	568.6	899	0
15	2014	68	1545	2.271	2.945	3.035	242.2	240.9	241.2	27.32	16.5	13.57	15.89	14.98	14.21	-0.904	-1.679	-0.77	19.68	513.9	899	0
15	2014	68	1600	2.132	2.637	2.571	244.4	243.7	241.7	40.33	34.59	23.01	15.93	15.03	14.37	-0.9	-1.562	-0.66	19.56	453.4	899	0
15	2014	68	1615	1.576	1.785	1.698	274.8	271.6	269.5	64.89	60.7	51.27	15.81	15.2	14.61	-0.614	-1.2	-0.59	19.66	400	899	0
15	2014	68	1630	1.58	1.867	1.977	222.8	228.3	241.7	31.81	32.54	27.65	15.76	15.15	14.6	-0.606	-1.158	-0.55	19.68	341.4	899	0
15	2014	68	1645	1.274	1.566	1.568	292.8	295.1	299	51.19	43.36	35.21	15.65	15.3	14.92	-0.344	-0.732	-0.38	20.01	280.1	899	0
15	2014	68	1700	2.091	2.55	2.547	283	282.3	283.9	26.36	26.46	26.25	15.86	15.39	14.84	-0.466	-1.012	-0.55	19.7	216.5	899	0
15	2014	68	1715	1.545	1.935	1.884	249.7	245.7	249.5	22.36	18.6	16.24	15.53	15.11	14.62	-0.413	-0.902	-0.49	20.12	155.6	899	0
15	2014	68	1730	1.716	1.955	1.767	292.1	291.6	297	29.34	26.9	20.99	15.34	15.09	14.69	-0.256	-0.654	-0.4	20.43	99.7	899	0
15	2014	68	1745	1.259	1.812	1.908	293.6	289.3	284.5	25.56	24.11	23.32	14.88	14.89	14.54	0.009	-0.341	-0.35	21.1	49.15	899	0
15	2014	68	1800	1.247	2.304	2.489	276.1	274.4	275.9	10.03	6.479	6.027	14.11	14.52	14.29	0.404	0.178	-0.23	22.08	13.05	899	0
15	2014	68	1815	1.289	3.02	3.015	276.7	270.4	272.7	7.187	4.525	4.215	12.72	14.14	14.04	1.417	1.318	-0.1	24.17	1.625	899	0
15	2014	68	1830	1.354	3.095	3.543	265.6	265.3	267.5	8.86	3.208	3.287	11.96	13.46	13.84	1.496	1.881	0.38	25.73	0.494	899	0
15	2014	68	1845	1.2	2.745	3.768	263.9	259.1	263.4	6.525	3.246	2.019	11.41	12.96	13.6	1.556	2.198	0.64	26.96	0.489	899	0
15	2014	68	1900	0.738	2.18	3.59	332.1	265.3	262.6	47.47	4.718	1.222	10.26	12.46	13.45	2.195	3.189	0.99	28.55	0.375	899	0
15	2014	68	1915	0.396	1.675	3.252	30.89	256.9	256.8	41.61	8.39	6.97	9.07	12.16	13.4	3.088	4.327	1.24	30.31	0.364	899	0
15	2014	68	1930	0.626	0.838	3.26	79.14	231.1	245	12.86	23.15	3.271	6.848	12.04	13.28	5.193	6.429	1.24	32.57	0.411	899	0
15	2014	68	1945	0.713	0.87	3.156	65.95	212.4	237.5	14.97	17.16	3.676	5.217	12.07	13.34	6.854	8.12	1.27	35.17	0.348	899	0
15	2014	68	2000	1.027	1.683	3.346	124.9	179.6	220.6	11.39	8.61	6.765	5.726	11.9	13.03	6.178	7.306	1.13	36.1	0.521	899	0
15	2014	68	2015	0.53	2.507	3.187	105.4	147.4	220.3	18.9	5.796	1.518	6.774	11.29	13.1	4.519	6.322	1.81	34.85	0.571	899	0
15	2014	68	2030	0.717	2.703	3.066	128	149.3	215.9	9.54	3.537	2.384	6.322	11.37	13.15	5.046	6.832	1.78	36.06	0.565	899	0
15	2014	68	2045	0.323	2.392	3.193	62.58	142	215.9	83.6	5.814	3.359	6.46	10.37	13.03	3.909	6.569	2.66	36.31	0.58	899	0
15	2014	68	2100	0.567	2.359	3.342	103.3	142.2	217.9	28.87	3.83	0.779	6.7	9.83	12.94	3.126	6.243	3.11	35.85	0.667	899	0
15	2014	68	2115	0.452	2.493	3.15	52.18	139	214.4	25.82	4.398	2.505	6.213	9.92	12.87	3.706	6.655	2.95	36.51	0.52	899	0
15	2014	68	2130	0.654	2.54	2.892	84.1	140	209	14.99	3.331	4.362	5.723	10.68	12.94	4.954	7.22	2.26	37.25	0.45	899	0
15	2014	68	2145	0.712	3.139	3.144	114.3	135.3	198.9	28.02	5.113	3.825	5.445	10.45	12.93	5.002	7.486	2.48	38.55	0.596	899	0
15	2014	68	2200	0.537	3.032	3.331	86.8	130.7	196.4	42.5	6.916	3.119	5.79	9.09	12.66	3.303	6.865	3.57	38.49	0.576	899	0
15	2014	68	2215	0.906	3.417	3.49	124.6	131.6	190.6	14.94	2.89	1.371	5.461	9.59	12.43	4.126	6.966	2.84	39.18	0.755	899	0
15	2014	68	2230	0.54	2.862	4.05	108.1	132.9	194.4	30.7	6.365	3.704	5.867	8.93	12.3	3.059	6.43	3.37	38.76	0.677	899	0
15	2014	68	2245	0.449	2.805	4.602	65.94	139.8	199	82.6	6.179	2.622	5.458	8.78	12.06	3.317	6.598	3.28	39.43	0.613	899	0
15	2014	68	2300	0.611	2.994	4.58	102.4	146.6	195.8	31.15	3.575	2.988	5.351	9.35	11.5	3.998	6.154	2.15	39.73	0.775	899	0
15	2014	68	2315	0.535	2.807	4.79	108.6	156.2	203	20.32	7.882	4.131	5.096	9.17	11	4.078	5.906	1.83	40.17	0.612	899	0
15	2014	68	2330	0.459	2.351	4.14	110.6	162.3	210.3	68.01	5.928	5.274	5.714	8.96	10.45	3.248	4.737	1.49	39.52	0.646	899	0
15	2014	68	2345	1.075	3.119	4.071	151.8	168.8	213.2	11.66	5.423	5.198	5.011	9.33	10.05	4.324	5.043	0.72	40.9	0.751	899	0
15	2014	68	2400	0.915	3.032	3.998	156.2	172.6	216.3	9.78	3.888	3.327	5.225	8.85	9.73	3.623	4.502	0.88	41.35	0.703	898	0


10-m WS
Meters Per Second
14
12
10
8
6
4
2
0
10-m WS
10-m WD
Degrees
360
300
240
180
120
60
0
10-m WD
50-10 meter Delta T
Temperature (C)
9
7
5
3
1
-1
-3
-5
50-10 Delta-T
Time
50-meter Temp
Temperature (C)
30
25
20
15
10
5
0
-5
-10
-15
50 meter Temp
Time