

***Oak Ridge Reservation  
Quality Assurance Report  
for Meteorological Towers***  
*For Towers A, B, C, K, L, M, W, Y*

Kevin R. Birdwell, Ph.D.  
Computational Science and Engineering Division  
Oak Ridge National Laboratory

**December 2013**

**Tower ID Summary:**

<i>ID*</i>	<i>Name</i>	<i>Alternate Names</i>	<i>ORR Site</i>	<i>Elevation (m)</i>	<i>Easting, Northing (m)</i>	<i>Measuring Hts</i>
TOWA	Tower A	MT4 , 7571	ORNL	263	743179,3978105	10,30
TOWB	Tower B	MT3, 6555, 07	ORNL	256	743398,3979683	10,30
TOWC	Tower C	MT2, 1057, 03	ORNL	261	741423,3978768	10,30,100
TOWK	Tower K	MT1, 1208	ETTP	253	735675,3979503	10,60
TOWL	Tower L	MT7, 1209	ETTP	233	735110,3978654	10,30
TOWM	Tower M	MT10, 208A	ETTP	237	735720,3976860	10
TOWS	Tower S	MT11	Y12	352		25
WEST	Tower W	MT6, Y12W, West	Y12	326	748890,3986700	10,60
TOWY	Tower Y	MT9, PSS Tower	Y12	290	747926.3985859	15, 33
M115	T115	Morristown NWS	NOAA			
M222	T222	Purchase Knob, NC	NOAA			

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Sunday, December 1, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 2 0700 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 76 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0345 0400 0415 0430 0445 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 0945 1000 1015 1030 1045 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700  
1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 0

TOWS 0

WEST 0

TVAW 23 0015 0030 0045 0100 0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915 0945 1015

FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-1545 1700-1945 2300-2345	16.0	TM100 100m Temp. values in error (wiring error)
	ERR	0800-0945	92.0	WS30 30m Wind Speed values anomalously low (threshold error)
	OK		100.0	Other
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

*Communication/Weather Notes*

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Monday, December 2, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

**MISSING DATA STATUS – ALL TOWERS (15-Minute Data)**

*Site No. Time Ranges*

TOWA 1 2345  
TOWB 1 2345  
TOWC 2 0730 2345  
TOWK 1 2345  
TOWL 1 2345  
TOWM 1 2345  
M115 96 0000-2345  
M222 72 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715  
0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500  
1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230  
2300 2315 2330  
TOWY 2 1000 1015  
TOWS 2 1000 1015  
WEST 2 1000 1015  
TVAW 11 0015 0030 0045 0100 0400 2115 2145 2215 2245 2315 2345

**FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)**

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0 Other	
Tower C	ERR	0000-0645 0800-0845 1100-1145 1500-2345	25.0 TM100	100m Temp. values in error (wiring error)
	ERR	0000-0045 0400-0445 1000-1245 1400-1745	62.0 WS30	30m Wind Speed values anomalously low (threshold error)
	ERR	1000-1045 1200-1245 1600-1845	80.0 WS100	100m Wind Speed values anomalously low (threshold error)
	OK		100.0 Other	
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

*Communication/Weather Notes*

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Tuesday, December 3, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 72 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700  
1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 0

TOWS 1 0015

WEST 0

TVAV 47 0015 0030 0045 0100 0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915 0945 1015 1045 1200 1230  
1300 1330 1400 1430 1500 1530 1600 1630 1700 1730 1800 1830 1900 1930 2000 2030 2100 2130 2200 2230 2300

FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-2345	0.0	TM100 100m Temp. values in error (wiring error)
	ERR	1900-2345	80.0	WS30 30m Wind Speed values anomalously low (threshold error)
	ERR	1900-1945	96.0	WS100 100m Wind Speed values anomalously low (threshold error)
	OK		100.0	Other
Tower K	ERR	1100-1545	80.0	TM10 10m Temp. values in error (partial aspirator failure)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

*Communication/Weather Notes*

None

## Oak Ridge Reservation

### Daily Meteorological Tower Status Report for:

Wednesday, December 4, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

#### MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 74 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700  
1715 1730 1800 1815 1830 1900 1915 1930 1945 2000 2015 2030 2045 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 0

TOWS 3 1130 1830 2200

WEST 1 2200

TVAW 38 0015 0030 0045 0100 0300 1515 1530 1545 1600 1615 1630 1645 1700 1730 1745 1800 1815 1830 1845 1900 1915 1930 1945 2000 2015 2030  
2045 2100 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345

#### FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0200-1745 2300-2345	25.0	TM100 100m Temp. values in error (wiring error)
	ERR	0100-0545 1200-1245	75.0	WS30 30m Wind Speed values anomalously low (threshold error)
	ERR	0200-0345	92.0	WS100 100m Wind Speed values anomalously low (threshold error)
	OK		100.0	Other
Tower K	ERR	1300-1645	84.0	TM10 10m Temp. values in error (partial aspirator failure)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

*Communication/Weather Notes*

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Thursday, December 5, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 73 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1245 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630  
1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 1 1315

TOWS 4 0145 0430 0745 1315

WEST 1 1315

TVAW 32 0015 0030 0045 0100 0115 0130 0145 0200 0215 0230 0245 0300 0315 0330 0345 0400 0415 0430 0500 0515 0530 0545 0600 0615 1500 1515  
1530 1545 1600 1615 1645 2345

FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-1145 1300-1945 2300-2345	16.0	TM100 100m Temp. values in error (wiring error)
	ERR	0100-0245	92.0	WS30 30m Wind Speed values anomalously low (threshold error)
	OK		100.0	Other
Tower K	ERR	0900-2345	33.0	TM10 10m Temp. values in error (partial aspirator failure)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

*Communication/Weather Notes*

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Friday, December 6, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 74 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700  
1715 1730 1745 1800 1815 1830 1845 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 0

TOWS 1 2145

WEST 0

TVAW 13 0015 0030 0045 0100 1930 2000 2030 2100 2130 2200 2230 2300 2330

FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0100-1745 1900-1945	8.0	TM100 100m Temp. values in error (wiring error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

*Communication/Weather Notes*

Cold front; Early AM thundershower



## Oak Ridge Reservation

### Daily Meteorological Tower Status Report for:

Saturday, December 7, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

#### MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 2 0915 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 75 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0745 0800  
0815 0830 0845 0900 0915 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1545 1600 1615  
1630 1645 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 1 2300

TOWS 2 1815 2300

WEST 1 2300

TVAW 16 0015 0030 0045 0100 0130 0200 0230 0300 0330 0400 0430 0500 0530 0630 0800 2345

#### FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-2345	0.0	TM100
	OK		100.0	Other
Tower K	ERR	0800-2345	33.0	TM10
	OK		100.0	Other
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

#### Communication/Weather Notes

None

**Oak Ridge Reservation**  
**Daily Meteorological Tower Status Report for:**  
**Sunday, December 8, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL  
 Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

**MISSING DATA STATUS – ALL TOWERS (15-Minute Data)**

<i>Site</i>	<i>No.</i>	<i>Time Ranges</i>																								
TOWA	1	2345																								
TOWB	1	2345																								
TOWC	1	2345																								
TOWK	1	2345																								
TOWL	1	2345																								
TOWM	1	2345																								
M115	96	0000-2345																								
M222	72	0015 0015	0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815																							
			0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615																							
			1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330																							
TOWY	1	0015																								
TOWS	1	0015																								
WEST	1	0015																								
TVAW	29	0015 0030	0045 0100 0345 0515 0645 0715 0815 0915 0945 1015 1045 1115 1630 1700 1730 1800 1830 1900 1930 2000 2030 2100 2130 2200																							
			2230 2300 2330																							

**FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)**

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-0845	12.0	TM100
		1100-1245		
		1400-2345		
	ERR	1700-1745	88.0	WS30
		1900-1945		
		2200-2245		
	ERR	1700-1745	92.0	WS100
		2200-2245		
	OK		100.0	Other
Tower K	ERR	0000-1645	29.0	TM10
	OK		100.0	Other
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

*Communication/Weather Notes*

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Monday, December 9, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 72 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700  
1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 0

TOWS 2 1030 1800

WEST 0

TVAW 24 0015 0030 0045 0100 0130 0200 0230 0300 0330 0400 0500 0845 0915 1015 1045 1115 1145 1215 1245 1315 1345 1415 1445 2345

FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-1745 2000-2045	20.0	TM100 100m Temp. values in error (wiring error)
	ERR	1900-1945	96.0	WS30 30m Wind Speed values anomalously low (threshold error)
	OK		100.0	Other
Tower K	ERR	0500-0845 1300-1645	67.0	TM10 10m Temp. values in error (partial aspirator failure)
	OK		100.0	Other
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

*Communication/Weather Notes*

None

## Oak Ridge Reservation

### Daily Meteorological Tower Status Report for:

Tuesday, December 10, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

#### MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 73 0015 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700  
1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330 2345

TOWY 1 0015

TOWS 1 0015

WEST 1 0015

TVAW 38 0015 0030 0045 0100 0145 0215 0245 0315 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915 0945 1015 1045 1500 1530 1600 1630  
1700 1730 1800 1830 1900 1930 2000 2030 2100 2130 2200 2230

#### FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0200–2345 2000–2045	8.0	TM100 100m Temp. values in error (wiring error)
	ERR	2000–2345	84.0	WS30 30m Wind Speed values anomalously low (threshold error)
	OK		100.0	Other
Tower K	ERR	1100–1345	88.0	TM10 10m Temp. values in error (partial aspirator failure)
	ERR	1300–2345	46.0	RH10 10m RH values in error (offline due to aspirator problem) Aspirator diagnosed by CB&I at 1300 hrs
	OK		100.0	Other
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

#### Communication/Weather Notes

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Wednesday, December 11, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

**MISSING DATA STATUS – ALL TOWERS (15-Minute Data)**

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 73 0015 0015 0030 0045 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800  
0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1145 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630  
1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 2 0015 1145

TOWS 2 0015 1145

WEST 2 0015 1145

TVAW 8 0015 0030 0045 0100 1145 1200 1215 2345

**FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)**

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0 Other	
Tower C	ERR	0000-2345	0.0 TM100	100m Temp. values in error (wiring error)
	ERR	0000-0045	62.0 WS30	30m Wind Speed values anomalously low (threshold error)
		0200-0345		
		0600-1145		
	ERR	0000-0045	92.0 WS100	100m Wind Speed values anomalously low (threshold error)
		1100-1145		
	OK		100.0 Other	
Tower K	ERR	1015	96.0 All	No data (scheduled power outage)
	ERR	0500-0745	46.0 TM10	10m Temp. values in error (partial aspirator failure)
		0900-1845		
	ERR	0000-2345	0.0 RH10	10m RH values in error (offline due to aspirator problem)
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

*Communication/Weather Notes*

None

## Oak Ridge Reservation

### Daily Meteorological Tower Status Report for:

Thursday, December 12, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

#### MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 72 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700  
1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 0

TOWS 0

WEST 0

TVAW 45 0015 0030 0045 0100 0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915 0945 1015 1045 1115 1145  
1215 1245 1315 1345 1415 1530 1730 1800 1830 1900 1930 2000 2030 2100 2130 2200 2230 2300 2330

#### FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0300-0345 0600-0745 0900-2345	25.0	TM100 100m Temp. values in error (wiring error)
	ERR	0600-0645 1800-2145	80.0	WS30 30m Wind Speed values anomalously low (threshold error)
Tower K	ERR	0800-1845	54.0	TM10 10m Temp. values in error (partial aspirator failure)
	ERR	0700-2345	29.0	RH10 10m RH values in error (partial temp. aspirator failure)
Tower L	OK		100.0	30m Wind Speed Bearing checked out; 10/30m Wind Monitor met Cards switched for testing.
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

#### Communication/Weather Notes

Early AM Cold Front

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Friday, December 13, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

**MISSING DATA STATUS – ALL TOWERS (15-Minute Data)**

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 72 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700  
1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 1 1430

TOWS 4 0945 1330 1430 2115

WEST 2 1330 1430

TVAW 7 0015 0030 0045 0100 0130 0200 2345

**FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)**

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-2045	12.0	TM100 100m Temp. values in error (wiring error)
	ERR	0100-0145	80.0	WS30 30m Wind Speed values anomalously low (threshold error)
		0300-0645		
		0900-0945		
		1100-1145		
		1900-1945		
	ERR	1100-1145	96.0	WS100 100m Wind Speed values anomalously low (threshold error)
Tower K	ERR	0600-1345	67.0	TM10 10m Temp. values in error (partial aspirator failure)
	ERR	0600-1345	67.0	RH10 10m RH values in error (partial temp. aspirator failure)
				10m Temp/RH sensor aspirator repaired by CB&I at 1345 hrs
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

*Communication/Weather Notes*

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Saturday, December 14, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

**MISSING DATA STATUS – ALL TOWERS (15-Minute Data)**

*Site No. Time Ranges*

TOWA 34 1045 1100 1115 1130 1145 1200 1215 1230 1245 1300 1315 1330 1345 1400 1415 1430 1445 1500 1515 1530 1545 1600 1615  
1630 1645 1700 1715 1730 1745 1800 1815 1830 1845 2345  
TOWB 34 1045 1100 1115 1130 1145 1200 1215 1230 1245 1300 1315 1330 1345 1400 1415 1430 1445 1500 1515 1530 1545 1600 1615  
1630 1645 1700 1715 1730 1745 1800 1815 1830 1845 2345  
TOWC 34 1045 1100 1115 1130 1145 1200 1215 1230 1245 1300 1315 1330 1345 1400 1415 1430 1445 1500 1515 1530 1545 1600 1615  
1630 1645 1700 1715 1730 1745 1800 1815 1830 1845 2345  
TOWK 34 1045 1100 1115 1130 1145 1200 1215 1230 1245 1300 1315 1330 1345 1400 1415 1430 1445 1500 1515 1530 1545 1600 1615  
1630 1645 1700 1715 1730 1745 1800 1815 1830 1845 2345  
TOWL 34 1045 1100 1115 1130 1145 1200 1215 1230 1245 1300 1315 1330 1345 1400 1415 1430 1445 1500 1515 1530 1545 1600 1615  
1630 1645 1700 1715 1730 1745 1800 1815 1830 1845 2345  
TOWM 34 1045 1100 1115 1130 1145 1200 1215 1230 1245 1300 1315 1330 1345 1400 1415 1430 1445 1500 1515 1530 1545 1600 1615  
1630 1645 1700 1715 1730 1745 1800 1815 1830 1845 2345  
M115 96 0000-2345  
M222 72 0015 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0345 0400 0415 0430 0445 0500 0515 0530 0600 0615 0630  
0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530  
1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330  
TOWY 2 0015 1045  
TOWS 3 0015 1045 1530  
WEST 2 0015 1045  
TVAW 30 0015 0030 0045 0100 0245 0315 0345 0415 0445 0545 0615 0645 0715 0745 0815 0845 0915 0945 1045 1115 1145 1245 1315  
1345 1415 1445 1515 1545 1615 1800

**FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)**

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-0545 1400-2345	67.0	TM100 100m Temp. values in error (wiring error)
	ERR	1300-1545	88.0	WS30 30m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

**Communication/Weather Notes**

Late PM Occluded Front; Fog



**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Sunday, December 15, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 72 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730  
1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 0

TOWS 1 0615

WEST 0

TVAW 6 0015 0030 0045 0100 0430 2345

FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-2345	0.0	TM100 100m Temp. values in error (wiring error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

*Communication/Weather Notes*

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Monday, December 16, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 73 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730  
1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330 2345

TOWY 0

TOWS 0

WEST 0

TVAW 35 0015 0030 0045 0100 0745 0815 0845 0915 0945 1015 1045 1115 1145 1215 1245 1315 1345 1415 1445 1515 1545 1615 1645 1715 1745 1815  
1845 1915 1945 2100 2130 2200 2230 2300 2330

FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-2345	0.0	TM100 100m Temp. values in error (wiring error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

*Communication/Weather Notes*

None

## Oak Ridge Reservation

### Daily Meteorological Tower Status Report for:

Tuesday, December 17, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

#### MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 0

TOWB 0

TOWC 0

TOWK 0

TOWL 0

TOWM 0

M115 24 0015 0015 0030 0045 0100 0115 0130 0145 0200 0215 0230 0245 0300 0315 0330 0345 0400 0415 0430 0445 0500 0515 0530 0545

M222 20 0015 0015 0030 0045 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0545

TOWY 1 0015

TOWS 2 0015 0215

WEST 1 0015

TVAW 14 0015 0030 0045 0100 0130 0200 0230 0300 0330 0400 0430 0500 0530 0600

#### FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-1545 1800-2245	12.0	TM100 100m Temp. values in error (wiring error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

#### Communication/Weather Notes

AM Fog

## Oak Ridge Reservation

### Daily Meteorological Tower Status Report for:

Wednesday, December 18, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

#### MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 2 1230 2345

TOWB 2 1230 2345

TOWC 2 1230 2345

TOWK 2 1230 2345

TOWL 2 1230 2345

TOWM 2 1230 2345

M115 96 0000-2345

M222 73 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730  
1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330 2345

TOWY 1 1715

TOWS 3 0245 0645 1715

WEST 1 1715

TVAW 35 0015 0030 0045 0100 0845 0915 0945 1015 1045 1115 1145 1215 1245 1315 1345 1415 1445 1515 1545 1615 1645 1715 1745 1815 1845 1915  
1945 2000 2030 2100 2130 2200 2230 2300 2330

#### FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-1945 2100-2345	4.0	TM100 100m Temp. values in error (wiring error)
	ERR	0500-0945 1800-2345	54.0	WS30 30m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

#### Communication/Weather Notes

AM Fog

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Thursday, December 19, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 73 0015 0015 0030 0045 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800  
0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715  
1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 1 0015

TOWS 1 0015

WEST 1 0015

TVAW 18 0015 0030 0045 0100 0130 0200 0230 0300 0330 0400 0430 0500 0530 0600 0630 0700 0730 0800

FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-1945 2100-2345	4.0	TM100 100m Temp. values in error (wiring error)
	ERR	0500-0945 1800-2345	54.0	WS30 30m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

*Communication/Weather Notes*

AM Fog

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Friday, December 20, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

**MISSING DATA STATUS – ALL TOWERS (15-Minute Data)**

*Site No. Time Ranges*

TOWA 0  
TOWB 0  
TOWC 0  
TOWK 0  
TOWL 0  
TOWM 0  
M115 96 0000-2345  
M222 72 0015 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715 0730 0800 0815  
0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730  
1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2245 2245 2315 2315  
TOWY 6 0015 2215 2245 2245 2315 2315  
TOWS 7 0015 0545 2215 2245 2245 2315 2315  
WEST 6 0015 2215 2245 2245 2315 2315  
TVAW 29 0015 0030 0045 0100 1115 1145 1215 1245 1315 1345 1415 1445 1515 1545 1615 1645 1715 1745 1815 1845 1915 1945 2015 2045 2115 2145  
2215 2245 2315

**FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)**

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-0145 0500-0645 0800-1545 1700-2345	20.0	TM100 100m Temp. values in error (wiring error)
	ERR	0400-0445 0600-0645 1000-1045 1600-1645 1800-1945 2200-2345	67.0	WS30 30m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

*Communication/Weather Notes*

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Saturday, December 21, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

**MISSING DATA STATUS – ALL TOWERS (15-Minute Data)**

*Site No. Time Ranges*

TOWA 0  
 TOWB 0  
 TOWC 0  
 TOWK 0  
 TOWL 0  
 TOWM 0  
 M115 96 0000-2345  
 M222 96 0000-2345  
 TOWY 96 0000-2345  
 TOWS 96 0000-2345  
 WEST 96 0000-2345  
 TVAW 21 0015 0030 0045 0100 0400 0430 0600 0630 0700 0730 0800 0830 0900 0930 1000 1030 1100 1130 1200 1230 1300

**FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)**

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>	
Tower A	OK		100.0		
Tower B	OK		100.0	Other	
Tower C	ERR	0000-1045	8.0	TM100	100m Temp. values in error (wiring error)
		1200-1545			
		1800-2345			
	ERR	1400-1445	96.0	WS30	30m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0		
Tower L	OK		100.0		
Tower M	OK		100.0		
Tower S	OK		100.0		
Tower W	OK		100.0		
Tower Y	OK				

**Communication/Weather Notes**

Strong SSW winds PM; power knocked out at NTRC; using alternate met board page after 2000 hrs.

**Oak Ridge Reservation****Daily Meteorological Tower Status Report for:****Sunday, December 22, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

## MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000–2345

M222 83 0015 0030 0045 0100 0100 0115 0130 0145 0200 0215 0230 0245 0300 0315 0330 0345 0400 0415 0430 0445 0500

0515 0530 0545 0600 0615 0630 0645 0700 0715 0730 0745 0800 0815 0830 0900 0915 0930 1000 1015 1030 1045 1100

1115 1130 1145 1200 1215 1230 1245 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730

1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330

TOWY 35 0015 0030 0045 0100 0100 0115 0130 0145 0200 0215 0230 0245 0300 0315 0330 0345 0400 0415 0430 0445 0500

0515 0530 0545 0600 0615 0630 0645 0700 0715 0730 0745 0800 0815 0830

TOWS 35 0015 0030 0045 0100 0100 0115 0130 0145 0200 0215 0230 0245 0300 0315 0330 0345 0400 0415 0430 0445 0500

0515 0530 0545 0600 0615 0630 0645 0700 0715 0730 0745 0800 0815 0830

WEST 35 0015 0030 0045 0100 0100 0115 0130 0145 0200 0215 0230 0245 0300 0315 0330 0345 0400 0415 0430 0445 0500

0515 0530 0545 0600 0615 0630 0645 0700 0715 0730 0745 0800 0815 0830

TVAW 20 0015 0030 0045 0100 1545 1615 1715 1745 1815 1845 1915 1945 2015 2045 2115 2145 2215 2245 2315 2345

## FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0400–0445 1000–2345	38.0	TM100 100m Temp. values in error (wiring error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

*Communication/Weather Notes*

Strong wind early AM with line of thundershowers moving W to E across area; power knocked out at NTRC; using alternate met board page until 0940 hrs.



## Oak Ridge Reservation

### Daily Meteorological Tower Status Report for:

Monday, December 23, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

#### MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345  
TOWB 1 2345  
TOWC 1 2345  
TOWK 1 2345  
TOWL 1 2345  
TOWM 1 2345  
M115 96 0000-2345  
M222 72 0015 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630  
0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400  
1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115  
2130 2200 2215 2230 2300 2315 2330  
TOWY 1 0015  
TOWS 1 0015  
WEST 1 0015  
TVAW 27 0015 0030 0045 0100 0115 0145 0215 0245 0315 0345 0430 0500 0600 0700 0730 0800 0830 0900 0930 1000 1030  
1100 1130 1200 1230 1300 1400

#### FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-0145 0300-0645 0800-2345	8.0	TM100 100m Temp. values in error (wiring error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

#### *Communication/Weather Notes*

Morning Arctic cold front

## Oak Ridge Reservation

### Daily Meteorological Tower Status Report for:

Tuesday, December 24, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

#### MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000–2345

M222 72 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630

0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400

1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115

2130 2200 2215 2230 2300 2315 2330

TOWY 0

TOWS 0

WEST 0

TVAW 30 0015 0030 0045 0100 0630 0700 0730 0830 0900 0930 1000 1030 1100 1130 1200 1230 1300 1400 1500 1530 1600

1630 1700 1730 1800 1830 1900 1930 2315 2345

#### FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000–0245 0700–2345	16.0	TM100 100m Temp. values in error (wiring error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

#### *Communication/Weather Notes*

Secondary Morning Arctic cold front

## Oak Ridge Reservation

### Daily Meteorological Tower Status Report for:

Wednesday, December 25, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

#### MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345  
TOWB 1 2345  
TOWC 1 2345  
TOWK 1 2345  
TOWL 1 2345  
TOWM 1 2345  
M115 96 0000-2345  
M222 72 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630  
0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400  
1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115  
2130 2200 2215 2230 2300 2315 2330  
TOWY 1 1115  
TOWS 1 1115  
WEST 1 1115  
TVAV 17 0015 0030 0045 0100 0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 2315 2345

#### FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-1545 1700-2045 2200-2345	8.0	TM100 100m Temp. values in error (wiring error)
	ERR	0700-0845 1800-2245	71.0	WS30 30m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

#### Communication/Weather Notes

None

## Oak Ridge Reservation

### Daily Meteorological Tower Status Report for:

Thursday, December 26, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

#### MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345  
TOWB 1 2345  
TOWC 1 2345  
TOWK 1 2345  
TOWL 1 2345  
TOWM 1 2345  
M115 96 0000-2345  
M222 73 0015 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630  
0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1045 1100 1115 1130 1200 1215 1230 1300 1315 1330  
1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100  
2115 2130 2200 2215 2230 2300 2315 2330  
TOWY 1 0015  
TOWS 1 0015  
WEST 1 0015  
TVAW 43 0015 0030 0045 0100 0115 0215 0315 0415 0445 0515 0615 0645 0715 0815 0845 0915 0945 1015 1045 1115 1145  
1300 1330 1400 1430 1500 1530 1600 1630 1700 1730 1800 1830 1900 1930 2000 2030 2100 2130 2200 2230 2300 2330

#### FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0200-0645 1000-2345	20.0	TM100 100m Temp. values in error (wiring error)
	ERR	0300-0845 1800-1845 2300-2345	71.0	WS30 30m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

#### Communication/Weather Notes

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Friday, December 27, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

**MISSING DATA STATUS – ALL TOWERS (15-Minute Data)**

*Site No. Time Ranges*

TOWA 1 2345  
TOWB 1 2345  
TOWC 1 2345  
TOWK 1 2345  
TOWL 1 2345  
TOWM 1 2345  
M115 96 0000-2345  
M222 73 0000 0015 0030 0100 0115 0130 0200 0215 0230 0245 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700  
0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515  
1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330  
TOWY 0  
TOWS 0  
WEST 0  
TVAW 6 0015 0030 0045 0100 0130 2345

**FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)**

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-2145 2300-2345	4.0	TM100 100m Temp. values in error (wiring error)
	ERR	0000-0245 0500-1045 1200-1245 1800-1845 2100-2145 2300-2345	46.0	WS30 30m Wind Speed values anomalously low (threshold error)
	ERR	1000-1045 1200-1345	88.0	WS100 100m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

*Communication/Weather Notes*

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Saturday, December 28, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

**MISSING DATA STATUS – ALL TOWERS (15-Minute Data)**

*Site No. Time Ranges*

TOWA 1 2345  
TOWB 1 2345  
TOWC 1 2345  
TOWK 1 2345  
TOWL 1 2345  
TOWM 1 2345  
M115 96 0000 0015 0030 0045 0100 0115 0130 0145 0200 0215 0230 0245 0300 0315 0330 0345 0400 0415 0430 0445 0500 0515 0530  
054-2345  
M222 72 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715  
0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530  
1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330  
TOWY 0  
TOWS 1 1715  
WEST 0  
TVAW 33 0015 0030 0045 0100 0415 0445 0515 0545 0615 0715 0745 0815 0845 0915 1400 1500 1530 1600 1630 1700 1730 1800 1830  
1900 1930 2000 2030 2100 2130 2200 2230 2300 2330

**FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)**

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-1245 1400-2345	4.0	TM100 100m Temp. values in error (wiring error)
	ERR	0000-0045 1300-1345 1900-1945	88.0	WS30 30m Wind Speed values anomalously low (threshold error)
	ERR	1200-1245 1500-1545	92.0	WS100 100m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

*Communication/Weather Notes*

None

## Oak Ridge Reservation

### Daily Meteorological Tower Status Report for:

Sunday, December 29, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

#### MISSING DATA STATUS – ALL TOWERS (15-Minute Data)

*Site No. Time Ranges*

TOWA 1 2345  
TOWB 1 2345  
TOWC 1 2345  
TOWK 1 2345  
TOWL 1 2345  
TOWM 1 2345  
M115 96 0000-2345  
M222 72 0015 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630  
0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400  
1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115  
2130 2200 2215 2230 2300 2315 2330  
TOWY 1 0015  
TOWS 1 0015  
WEST 1 0015  
TVAW 10 0015 0030 0045 0100 0130 0200 0230 0300 0330 1145

#### FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-0345 0400-1345 1500-2345	8.0	TM100 100m Temp. values in error (wiring error)
	ERR	2100-2145 2300-2345	92.0	WS30 30m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

#### Communication/Weather Notes

None

**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Monday, December 30, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

**MISSING DATA STATUS – ALL TOWERS (15-Minute Data)**

*Site No. Time Ranges*

TOWA 1 2345  
TOWB 1 2345  
TOWC 1 2345  
TOWK 1 2345  
TOWL 1 2345  
TOWM 1 2345  
M115 96 0000-2345  
M222 73 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 0700 0715  
0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530  
1600 1615 1630 1700 1715 1730 1800 1815 1830 1845 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330  
TOWY 0  
TOWS 1 1530  
WEST 0  
TVAW 17 0015 0030 0045 0100 1630 1730 1830 1900 1930 2000 2030 2100 2130 2200 2230 2300 2330

**FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)**

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	ERR	0100-1545	42.0 TM30	30m Temp. values in error (wiring corrosion)
	ERR	1400-1545	92.0 WD/WS	Repaired by CB&I (Terry Tillman) 1545 hrs 10 and 30 m Wind Direciton and Wind Speed values in error due to maintenance (values corrected from Tower C)
Tower B	OK		100.0 Other	
Tower C	ERR	0000-0545 0700-0745 0900-2345	8.0 TM100	100m Temp. values in error (wiring error)
	ERR	1200-1245 1500-1545 2000-2145	84.0 WS30	30m Wind Speed values anomalously low (threshold error)
	ERR	1500-1545	96.0 WS100	100m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

*Communication/Weather Notes*

None



**Oak Ridge Reservation**

**Daily Meteorological Tower Status Report for:**

**Tuesday, December 31, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email [birdwellkr@ornl.gov](mailto:birdwellkr@ornl.gov), Phone: Office 865.241.8085 Cell 865.310.1527

**MISSING DATA STATUS – ALL TOWERS (15-Minute Data)**

*Site No. Time Ranges*

TOWA 1 2345  
TOWB 1 2345  
TOWC 1 2345  
TOWK 1 2345  
TOWL 1 2345  
TOWM 1 2345  
M115 96 0000-2345  
M222 72 0015 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630  
0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400  
1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115  
2130 2200 2215 2230 2300 2315 2330  
TOWY 1 0015  
TOWS 1 0015  
WEST 1 0015  
TVAW 22 0015 0030 0045 0100 0130 0200 0230 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915 0945 1015 1045  
1130

**FLAGGED INSTRUMENT / SOFTWARE ERRORS – ORR ONLY (15-Minute Data)**

<i>Site</i>	<i>Status</i>	<i>Time Ranges</i>	<i>Pct Recovery</i>	<i>Special Notes</i>
Tower A	ERR	1200-1445	88.0 TM30	30m Temp. values in error (wiring corrosion)
Tower B	OK		100.0 Other	
Tower C	ERR	0000-0545 0700-2045 2200-2345	8.0 TM100	100m Temp. values in error (wiring error)
	ERR	1800-2345	75.0 WS30	30m Wind Speed values anomalously low (threshold error)
	ERR	1300-1445 1600-1645 1900-1945	84.0 WS100	100m Wind Speed values anomalously low (threshold error)
Tower K	OK		100.0	
Tower L	OK		100.0	
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK			

**Communication/Weather Notes**

None