

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

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Oak Ridge National Laboratory

August 2012

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 Office	NOAA			
M222	T222	Purchase Knob, NC	NOAA			

*Note: Towers A, B, C, K, L, M are listed in the DATA MISSING sections only when data are missing.

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Wednesday, August 1, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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	0																			
M222	0																			
TOWY	0																			
TOWS	4	0130	0530	0900	0945															
WEST	0																			
TVAW	11	0000	0030	0100	0115	0145	0200	0230	0300	1445	1515	1545								
TVCR	6	0100	0115	0130	0145	0200	1715													

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	
Tower C	OK		100.0	
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

Severe Tstorms crossed ORR from NNW to SSE between 1500 and 1800 hrs.

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Thursday, August 2, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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	0																			
M222	0																			
TOWY	0																			
TOWS	3	1915	2145	2245																
WEST	0																			
TVAW	17	0045	1600	1630	1700	1730	1800	1830	1900	1930	2000	2030	2100	2130	2200	2230	2300	2345		
TVCR	7	0115	0130	0145	0200	0845	0915	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	
Tower C	ERR	0400-0445	96.0 WS30	30 m wind speed anomalously low (corrected)
	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

Tower A and B guy wire truing performed (Shaw Environmental).

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Saturday, August 4, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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	0								
M222	0								
TOWY	0								
TOWS	3	1345	1715	2330					
WEST	0								
TVAV	7	0100	2115	2145	2215	2245	2315	2345	
TVCR	7	0100	0115	0130	0145	0200	0545	2000	

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	
Tower C	OK		100.0	
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

Late afternoon /early evening thundershowers crossed ORR drifting S-to-N

Oak Ridge Reservation**Daily Meteorological Tower Status Report for:****Monday, August 6, 2012**

Compiled by KR Birdwell, MS6418, CSM/CSER, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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	0	
M222	1	2045
TOWY	0	
TOWS	29	0345 0530 0715 0815 0915 0945 1000 1100 1115 1145 1215 1300 1330 1345 1515 1600 1630 1715 1730 1745 1800 1815 1900 1930 1945 2030 2100 2145 2230
WEST	0	
TVAW	1	0045
TVCR	9	0030 0115 0130 0145 0200 0815 1245 1330 2200

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	
Tower C	OK		100.0	
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, August 7, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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 8 1115 1130 1145 1200 1215 1230 1245 1300
M222 8 1015 1030 1045 1100 1115 1130 1145 1200
TOWY 8 1030 1045 1100 1115 1130 1145 1200 1215
TOWS 44 0000 0045 0130 0230 0315 0345 0445 0630 0715 0745 0800 0900 0930 0945 1030 1045 1100 1115 1130 1145 1200
1215 1245 1315 1400 1430 1500 1515 1600 1615 1645 1745 1800 1815 1845 1900 1945 2000 2115 2145 2200 2300 2330
2345
WEST 8 1030 1045 1100 1115 1130 1145 1200 1215
TVAW 34 0030 0100 0300 0330 0400 0430 0500 0530 0600 0630 0700 0730 1315 1345 1415 1445 1515 1545 1615 1645 1715
1745 1815 1845 1915 1945 2030 2045 2115 2145 2215 2245 2315 2345
TVCR 8 0100 0115 0130 0145 0200 0500 1345 2030

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	
Tower C	ERR	0000-0145 0500-0945	71.0 WS30	30 m wind speed anomalously low (corrected)
	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

Thundershowers formed in Oak Ridge area during early evening drifting NW-to-SE

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Wednesday, August 8, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

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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 0
M222 1 1230
TOWY 0
TOWS 36 0000 0100 0200 0230 0300 0315 0400 0515 0530 0600 0615 0645 0730 0815 0830 0845 0900 1030 1115 1130 1230
1245 1400 1445 1700 1715 1730 1915 1930 2000 2015 2030 2045 2200 2230 2300
WEST 0
TVAW 2 0015 0100
TVCR 7 0100 0115 0130 0145 0200 1230 2000
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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	ERR	1445-1600	94.0	Missing or erroneous data (Quarterly calibrations performed by Shaw Environmental)
Tower C	OK		100.0	
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, August 9, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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

Site No. Time Ranges

TOWA 1 1700
 TOWB 1 1700
 TOWC 1 1700
 TOWK 1 1700
 TOWL 7 1215 1230 1245 1300 1315 1330 1700
 TOWM 1 1700
 M115 38 1430 1445 1500 1515 1530 1545 1600 1615 1630 1645 1700 1715 1730 1745 1800 1815 1830 1845 1900 1915 1930
 1945 2000 2015 2030 2100 2100 2115 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345
 M222 42 1330 1345 1400 1415 1430 1445 1500 1515 1530 1545 1600 1615 1630 1645 1700 1715 1730 1745 1800 1815 1830
 1845 1900 1915 1930 1945 2000 2015 2030 2100 2100 2115 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345
 TOWY 41 1345 1400 1415 1430 1445 1500 1515 1530 1545 1600 1615 1630 1645 1700 1715 1730 1745 1800 1815 1830 1845
 1900 1915 1930 1945 2000 2015 2030 2100 2100 2115 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345
 TOWS 55 0200 0215 0345 0430 0500 0515 0615 0630 0915 0945 1015 1100 1130 1315 1345 1400 1415 1430 1445 1500 1515
 1530 1545 1600 1615 1630 1645 1700 1715 1730 1745 1800 1815 1830 1845 1900 1915 1930 1945 2000 2015 2030 2100
 2100 2115 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345
 WEST 41 1345 1400 1415 1430 1445 1500 1515 1530 1545 1600 1615 1630 1645 1700 1715 1730 1745 1800 1815 1830 1845
 1900 1915 1930 1945 2000 2015 2030 2100 2100 2115 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345
 TVAW 26 0100 1045 1115 1145 1215 1245 1315 1345 1415 1445 1515 1545 1615 1645 1715 1745 1815 1845 1915 1945 2015
 2100 2115 2145 2215 2245
 TVCR 8 0100 0115 0130 0145 0200 0400 1715 2100

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	
Tower C	ERR	0500-0545	96.0	WS30 30 m wind speed anomalously low (corrected)
	OK		100.0	
Tower K	OK		100.0	
Tower L	ERR	1215-1330	94.0	Missing or erroneous data (Quarterly calibrations performed by Shaw Environmental)
Tower M	OK		100.0	
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

Communication/Weather Notes

Mid-afternoon thunderstorms crossed area from W-to-E.

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Friday, August 10, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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 78 0000 0015 0030 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 0845 0900 0915 0930 0945 1000 1015 1030 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 1900 1915
M222 74 0000 0015 0030 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 0845 0900 0915 0930 0945 1000 1015 1030 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
TOWY 75 0000 0015 0030 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 0845 0900 0915 0930 0945 1000 1015 1030 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
TOWS 83 0000 0015 0030 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 0845 0900 0915 0930 0945 1000 1015 1030 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 2000 2115 2130 2215 2245 2300
2330
WEST 75 0000 0015 0030 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 0845 0900 0915 0930 0945 1000 1015 1030 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
TVAW 15 0100 0430 0500 0530 0600 0630 0700 0730 0800 0830 0900 0930 1000 1030 1100
TVCR 6 0100 0115 0130 0145 0200 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	ERR	1530-1630	95.0	Missing or erroneous data (Quarterly calibrations performed by Shaw Environmental)
Tower B	OK		100.0	
Tower C	OK		100.0	
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

Late afternoon thunderstorms crossed area from WNW-to-ESE; late PM cold frontal passage.

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Saturday, August 11, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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	0																			
M222	0																			
TOWY	0																			
TOWS	3	1915	2145	2245																
WEST	0																			
TVAW	17	0045	1600	1630	1700	1730	1800	1830	1900	1930	2000	2030	2100	2130	2200	2230	2300	2345		
TVCR	7	0115	0130	0145	0200	0845	0915	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	
Tower C	OK		100.0	
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, August 12, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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 0
M222 0
TOWY 0
TOWS 33 0015 0045 0130 0230 0245 0300 0315 0330 0530 0600 0700 0815 0845 0945 1015 1030 1045 1100 1200 1300 1400
1430 1600 1615 1630 1730 1845 2000 2115 2200 2215 2315 2330
WEST 0
TVAW 24 0000 0030 0100 0115 0145 0200 0230 0300 0330 0400 0430 0500 0530 0600 0630 0700 0730 0800 0830 0900 0930
1000 1030 1100
TVCR 6 0100 0115 0130 0145 0200 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	
Tower C	OK		100.0	
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, August 14, 2012

Compiled by KR Birdwell, MS6418, CSM/CSSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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	0	
M222	0	
TOWY	1	2145
TOWS	28	0115 0145 0215 0245 0345 0445 0530 0615 0645 0700 0745 0800 0815 0900 1200 1245 1315 1345 1415 1445 1500 1845 1900 1915 2145 2215 2315 2330
WEST	1	2145
TVAW	33	0000 0030 0100 0115 0145 0200 0230 0300 0345 0400 0430 0500 0530 0600 0715 0745 0815 0845 0915 0945 1015 1045 1115 1200 1215 1245 1315 1345 1415 1445 1515 1545 1615
TVCR	7	0100 0115 0130 0145 0200 0345 1200

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	
Tower C	ERR	0100-0345	88.0 WS30	30 m wind speed anomalously low (corrected)
	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

Thundershowers crossed ORR from WSW-to-ENE between 0400-0800 hrs

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Thursday, August 16, 2012

Compiled by KR Birdwell, MS6418, CSM/CSSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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	0	
M222	0	
TOWY	0	
TOWS	42	0000 0015 0045 0145 0200 0330 0445 0500 0515 0545 0615 0630 0715 0745 0815 0900 1000 1030 1045 1115 1145 1200 1230 1300 1315 1345 1400 1415 1515 1530 1545 1615 1730 1815 1915 1945 2000 2100 2145 2230 2330 2345
WEST	0	
TVAV	40	0030 0100 0130 0200 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 1230 1300 1330 1400 1430 1500 1530 1600 1630 1700 1730 1800 1830 1900 1930 2000 2030 2100 2130 2200 2230 2300 2330
TVCR	7	0100 0115 0130 0145 0200 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	
Tower C	ERR	1000-1045	96.0	TM30, TM100 30m/100m temperatures anomalously low (instrument errors)
	ERR	0100-0645	75.0	WS30 30 m wind speed anomalously low (corrected)
	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, August 21, 2012

Compiled by KR Birdwell, MS6418, CSM/CS&ED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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 0
M222 0
TOWY 0
TOWS 38 0000 0015 0130 0200 0230 0300 0400 0415 0430 0500 0630 0645 0700 0715 0745 0900 1000 1045 1115 1200 1215
1245 1330 1415 1445 1530 1600 1700 1745 1800 1830 2000 2045 2100 2115 2200 2300 2315
WEST 0
TVAW 9 0015 0100 0130 0200 0215 0245 0315 0345 0415
TVCR 7 0100 0115 0130 0145 0200 0830 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	
Tower C	OK		100.0	
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, August 22, 2012**

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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

Site No. Time Ranges

TOWA 1 0900
TOWB 1 0900
TOWC 1 0900
TOWK 6 0900 0915 0930 0945 1000 1015
TOWL 6 0900 0915 0930 0945 1000 1015
TOWM 1 0900
M115 1 0930
M222 1 0830
TOWY 1 0845
TOWS 41 0000 0030 0100 0300 0400 0415 0430 0445 0630 0645 0730 0800 0815 0845 1000 1015 1030 1045 1115 1130 1200
1230 1245 1315 1330 1415 1515 1530 1600 1615 1630 1900 1915 1930 1945 2015 2045 2115 2200 2245 2300
WEST 1 0845
TVAV 23 0100 0830 1215 1245 1315 1345 1415 1445 1515 1600 1615 1645 1715 1745 1815 1845 1915 1945 2015 2045 2115
2145 2215
TVCR 7 0100 0115 0130 0145 0200 0900 1600

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	1200-1345	92.0	Missing/Erroneous Data - Quarterly calibrations performed by Shaw Environmental
Tower B	OK		100.0	
Tower C	ERR	0100-0845 2200-2345	60.0 WS30	30 m wind speed anomalously low (corrected)
Tower K	ERR	0900-1045	92.0 Other	Missing/Erroneous Data - Quarterly calibrations performed by Shaw Environmental. Dead bad (355-5 deg) problems were discovered form 10m wind direction.
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, August 25, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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	22	0845 0900 0915 0930 0945 1015 1015 1045 1045 1100 1115 1130 1145 1200 1230 1245 1245 1315 1315 1330 1345 1400
M222	22	0745 0800 0815 0830 0845 0900 0915 0930 0945 1015 1015 1045 1045 1100 1115 1130 1145 1200 1230 1245 1245 1315
TOWY	22	0800 0815 0830 0845 0900 0915 0930 0945 1015 1015 1045 1045 1100 1115 1130 1145 1200 1230 1245 1245 1315 1315
TOWS	46	0045 0115 0130 0145 0230 0245 0330 0345 0500 0530 0545 0600 0645 0700 0715 0800 0815 0830 0845 0900 0915 0930 0945 1015 1015 1045 1045 1100 1115 1130 1145 1200 1230 1245 1245 1315 1315 1345 1415 1515 1545 1745 1945 2030 2300 2345
WEST	22	0800 0815 0830 0845 0900 0915 0930 0945 1015 1015 1045 1045 1100 1115 1130 1145 1200 1230 1245 1245 1315 1315
TVAW	55	0000 0030 0100 0115 0145 0200 0230 0300 0330 0400 0430 0500 0530 0600 0630 0700 0730 0800 0830 0900 0930 0945 1015 1015 1045 1045 1200 1230 1245 1315 1400 1415 1430 1430 1445 1545 1615 1630 1645 1700 1730 1730 1745 1800 1830 1845 1930 1945 2015 2045 2115 2145 2215 2245 2315
TVCR	39	0100 0115 0130 0145 0200 0600 0900 1015 1045 1200 1230 1245 1300 1315 1330 1400 1415 1430 1545 1615 1630 1645 1700 1730 1830 1845 1915 1930 1945 2015 2045 2100 2115 2130 2145 2200 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	
Tower C	ERR	0000-0045 0300-0545 2200-2245	79.0 WS30	30 m wind speed anomalously low (corrected)
	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

Met boards (newton) down from about 0800-1600 hrs due to power/system failures as NTRC.

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Tuesday, August 28, 2012

Compiled by KR Birdwell, MS6418, CSM/CSSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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

<i>Site</i>	<i>No.</i>	<i>Time Ranges</i>																		
TOWA	0																			
TOWB	0																			
TOWC	0																			
TOWK	0																			
TOWL	0																			
TOWM	0																			
M115	0																			
M222	0																			
TOWY	0																			
TOWS	22	0015 0030 0100 0215 0315 0415 0745 0800 0815 0830 0845 0900 0930 0945 1000 1045 1130 1215 1230 1315 1400 1630																		
WEST	0																			
TVAW	14	0045 1730 1800 1830 1900 1930 2000 2030 2100 2130 2200 2230 2300 2330																		
TVCR	5	0115 0130 0145 0200 0945																		

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	
Tower C	ERR	1400-1645	88.0	TM100 100m temperature values in error (instrument error)
	ERR	0200-0345	92.0	WS30 30 m wind speed anomalously low (corrected)
	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:

Wednesday, August 29, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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	22	1830 1845 1900 1915 1930 1945 2000 2015 2030 2045 2100 2115 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345
M222	26	1730 1745 1800 1815 1830 1845 1900 1915 1930 1945 2000 2015 2030 2045 2100 2115 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345
TOWY	25	1745 1800 1815 1830 1845 1900 1915 1930 1945 2000 2015 2030 2045 2100 2115 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345
TOWS	30	0030 0615 1030 1530 1615 1745 1800 1815 1830 1845 1900 1915 1930 1945 2000 2015 2030 2045 2100 2115 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345
WEST	25	1745 1800 1815 1830 1845 1900 1915 1930 1945 2000 2015 2030 2045 2100 2115 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345
TVAW	25	0000 0030 0100 0115 0145 0200 0230 0300 0330 0400 0430 0500 0615 0645 0945 1015 1045 1115 1145 1215 1245 1315 1345 1415 1445
TVCR	6	0100 0115 0130 0145 0200 1600

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	
Tower C	ERR	0300-0445	92.0	TM100 100m temperature values in error (instrument 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:

Friday, August 31, 2012

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.241.8085

Email birdwellkr@ornl.gov, Pager 865.873.7149

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

Site	No.	Time Ranges
TOWA	15	1000 1015 1030 1045 1100 1115 1130 1145 1200 1215 1230 1245 1315 1945 2000
TOWB	15	1000 1015 1030 1045 1100 1115 1130 1145 1200 1215 1230 1245 1315 1945 2000
TOWC	15	1000 1015 1030 1045 1100 1115 1130 1145 1200 1215 1230 1245 1315 1945 2000
TOWK	15	1000 1015 1030 1045 1100 1115 1130 1145 1200 1215 1230 1245 1315 1945 2000
TOWL	15	1000 1015 1030 1045 1100 1115 1130 1145 1200 1215 1230 1245 1315 1945 2000
TOWM	15	1000 1015 1030 1045 1100 1115 1130 1145 1200 1215 1230 1245 1315 1945 2000
M115	0	
M222	3	1915 1945 2000
TOWY	2	1945 2000
TOWS	30	0000 0015 0115 0130 0145 0330 0500 0515 0615 0645 0700 0715 0800 1000 1045 1200 1345 1530 1600 1630 1645 1700 1730 1745 1800 1830 1845 1900 1945 2000
WEST	3	1915 1945 2000
TVAV	25	0000 0100 0130 0200 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915 0945 1015 1115 1915 1945 2000
TVCR	8	0100 0115 0130 0145 0200 1215 1945 2000

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

Site	Status	Time Ranges	Pct Recovery	Special Notes
Tower A	OK		100.0	
Tower B	OK		100.0	
Tower C	ERR	1700-1845	92.0	TM100 100m temperature values in error (instrument error)
	ERR	0700-0945	88.0	WS30 30 m wind speed anomalously low (corrected)
	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