

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

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

February 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 Office	NOAA			
M222	T222	Purchase Knob, NC	NOAA			

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Friday, February 1, 2013

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	1	0615							
TOWK	0								
TOWL	0								
TOWM	0								
M115	0								
M222	0								
TOWY	0								
TOWS	0								
WEST	0								
TVAW	5	0045	0845	2000	2130	2300			
TVCR	6	0115	0130	0145	0200	1115	1215		

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 1200-2045 2300-2345	12.0	TM100 100m Temp. values in error (wiring 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

Snow showers early AM; Trace of snowfall

Oak Ridge Reservation**Daily Meteorological Tower Status Report for:****Saturday, February 2, 2013**

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	1	0515
TOWK	0	
TOWL	0	
TOWM	0	
M115	0	
M222	0	
TOWY	0	
TOWS	1	1730
WEST	0	
TVAW	20	0000 0030 0100 0115 0145 0230 0315 0330 0400 0430 0500 0530 0600 0630 0700 0730 0900 1100 1130 2245
TVCR	7	0100 0115 0130 0145 0200 0315 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	0000-0645 0800-0945 1100-2345	8.0	TM100 100m Temp. values in error (wiring error)
	ERR	0200-0245 0600-0745	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

Late AM and late afternoon snow; 0.8 inches during morning, Trace in afternoon.

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:
Sunday, February 3, 2013**

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)

<i>Site</i>	<i>No.</i>	<i>Time Ranges</i>																		
TOWA	0																			
TOWB	0																			
TOWC	1	0515																		
TOWK	0																			
TOWL	0																			
TOWM	0																			
M115	0																			
M222	0																			
TOWY	0																			
TOWS	1	1730																		
WEST	0																			
TVAW	20	0000 0030 0100 0115 0145 0230 0315 0330 0400 0430 0500 0530 0600 0630 0700 0730 0900 1100 1130 2245																		
TVCR	7	0100 0115 0130 0145 0200 0315 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	0000-0245 0600-0945 1100-1545 1900-2045 2200-2345	33.0 TM100	100m Temp. values in error (wiring error)
	ERR	0000-0045 2200-2345	88.0 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

Snow event; 0600-0900 hrs; 1.0 inch in Oak Ridge, 0.8 at ORNL Tower "C", 0.6 inches in Karns.

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Monday, February 4, 2013

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	1	1330																		
TOWK	0																			
TOWL	0																			
TOWM	0																			
M115	0																			
M222	0																			
TOWY	0																			
TOWS	1	0000																		
WEST	0																			
TVAW	18	0000	0030	0100	0115	0145	0200	0230	0300	0330	0400	0430	0500	0530	0600	0630	0700	0730	1100	
TVCR	6	0100	0115	0130	0145	0200	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	0000-0745 0900-2345	4.0	TM100 100m Temp. values in error (wiring error)
	ERR	0000-0545 0700-0745 0900-0945	67.0	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:****Tuesday, February 5, 2013**

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	0															
WEST	0															
TVAW	14	0100	0715	0745	0815	0845	0915	0945	1900	2000	2100	2200	2230	2300	2330	
TVCR	9	0100	0115	0130	0145	0200	0445	1615	2030	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	0000-0545 0700-0745 0900-0945 1500-1845 2100-2345	38.0	TM100 100m Temp. values in error (wiring error)
	ERR	2300-2345	96.0	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:

Thursday, February 7, 2013

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	1	0545																		
TOWK	0																			
TOWL	0																			
TOWM	0																			
M115	0																			
M222	0																			
TOWY	0																			
TOWS	1	1100																		
WEST	0																			
TVAW	15	0100	0330	1700	1730	1800	1900	1930	2000	2030	2100	2130	2200	2230	2300	2330				
TVCR	7	0100	0115	0130	0145	0200	0330	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	Other	
Tower C	ERR	0000-0545	54.0	TM100	100m Temp. values in error (wiring error)
		1100-1545			
	ERR	1900-1945	84.0	WS30	30m Wind speed values anomalously low (threshold error)
		2100-2345			
	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, February 8, 2013**

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)

<i>Site</i>	<i>No.</i>	<i>Time Ranges</i>
TOWA	0	
TOWB	0	
TOWC	1	1530
TOWK	0	
TOWL	0	
TOWM	0	
M115	0	
M222	0	
TOWY	0	
TOWS	2	1815 2100
WEST	0	
TVAV	24	0000 0030 0100 0115 0145 0200 0230 0300 0330 0400 0430 0500 0530 0930 1215 1315 1345 1415 1445 1515 1545 1615 1645 1715
TVCR	6	0100 0115 0130 0145 0200 1115

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	0000-0445	79.0	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
Cold front pm

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Saturday, February 9, 2013

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	2	0600	1315																	
TOWK	0																			
TOWL	0																			
TOWM	0																			
M115	0																			
M222	0																			
TOWY	0																			
TOWS	0																			
WEST	0																			
TVAW	19	0100	0645	0745	0815	1600	1715	1730	1800	1830	1900	1930	2000	2030	2100	2130	2200	2230	2300	2330
TVCR	7	0100	0115	0130	0145	0200	1445	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	Other
Tower C	ERR	0000-0645 1300-2345	25.0	TM100 100m Temp. values in error (wiring 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:

Sunday, February 10, 2013

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	1	0930														
TOWK	0															
TOWL	0															
TOWM	0															
M115	0															
M222	0															
TOWY	0															
TOWS	0															
WEST	0															
TVAW	14	0000	0030	0100	0115	0145	0200	0230	0300	0400	0430	0500	0700	1400	1700	
TVCR	8	0100	0115	0130	0145	0200	0745	2245	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	0000-0545 0900-2345	12.0	TM100 100m Temp. values in error (wiring error)
	ERR	0400-1045 2300-2345	67.0	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, February 11, 2013

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	1	0630
TOWK	0	
TOWL	0	
TOWM	0	
M115	0	
M222	0	
TOWY	0	
TOWS	0	
WEST	0	
TVAV	34	0045 0445 0515 0545 0615 0845 0915 0945 1015 1045 1130 1145 1215 1245 1330 1345 1415 1445 1515 1545 1615
	1730	1800 1830 1900 1930 2000 2030 2100 2130 2200 2230 2300 2330
TVCR	7	0115 0130 0145 0200 0215 1130 1330

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	Other
Tower C	ERR	0000-2345	0.0	TM100 100m Temp. values in error (wiring 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, February 12, 2013

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)

<i>Site</i>	<i>No.</i>	<i>Time Ranges</i>
TOWA	0	
TOWB	0	
TOWC	1	0615
TOWK	0	
TOWL	0	
TOWM	0	
M115	0	
M222	0	
TOWY	0	
TOWS	1	0015
WEST	0	
TVAV	10	0000 0030 0100 0115 0145 0200 0230 0315 0330 0430
TVCR	7	0100 0115 0130 0145 0200 0315 1700

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 1200-2045 2300-2345	25.0	TM100 100m Temp. values in error (wiring error)
	ERR	0200-0245 0400-0545 0700-0845	79.0	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:

Wednesday, February 13, 2013

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 1 0600
TOWK 0
TOWL 0
TOWM 0
M115 0
M222 0
TOWY 0
TOWS 0
WEST 0
TVAW 33 0030 0100 0245 0315 0345 0415 0445 0515 0645 0715 0745 1300 1330 1400 1430 1500 1530 1600 1630 1700 1730
1800 1830 1900 1930 2000 2030 2100 2130 2215 2230 2300 2330
TVCR 7 0100 0115 0130 0145 0200 0715 2215

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 0800-2345	4.0	TM100 100m Temp. values in error (wiring error)
	ERR	0200-0245 0800-0945	88.0	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:

Thursday, February 14, 2013

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)

<i>Site</i>	<i>No.</i>	<i>Time Ranges</i>									
TOWA	0										
TOWB	0										
TOWC	3	0615	1545	1586							
TOWK	0										
TOWL	0										
TOWM	0										
M115	0										
M222	0										
TOWY	0										
TOWS	0										
WEST	0										
TVAW	10	0000	0030	0100	0115	1445	1545	1615	1645	1715	1730
TVCR	8	0100	0115	0130	0145	0200	1230	1600	1915		

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 1800-2345	8.0	TM100 100m Temp. values in error (wiring error)
	ERR	0200-0445 2100-2145	84.0	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:

Friday, February 15, 2013

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	2	0515	0530																	
M222	2	0515	0530																	
TOWY	1	0530																		
TOWS	1	0530																		
WEST	1	0530																		
TVAW	3	0045	0100	0530																
TVCR	7	0045	0100	0115	0130	0145	0200	0415												

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 0500-1145 1300-2345	12.0	TM100 100m Temp. values in error (wiring error)
	ERR	0000-0045 0300-0345 0500-0645 0800-0845 2100-2145 2300-2345	71.0	WS30 30m Wind speed values anomalously low (threshold error)
Tower K	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

Cold front PM

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Saturday, February 16, 2013

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)

<i>Site</i>	<i>No.</i>	<i>Time Ranges</i>
TOWA	0	
TOWB	0	
TOWC	2	0545 1745
TOWK	0	
TOWL	0	
TOWM	0	
M115	0	
M222	0	
TOWY	0	
TOWS	0	
WEST	0	
TVAW	2	0100 1000
TVCR	7	0100 0115 0130 0145 0200 1000 1030

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 0800-1345 1700-2345	16.0	TM100 100m Temp. values in error (wiring error)
	ERR	0000-0245 0500-0845	71.0	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

Cold front PM

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Sunday, February 17, 2013

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	1	0600
TOWK	0	
TOWL	0	
TOWM	0	
M115	0	
M222	0	
TOWY	0	
TOWS	0	
WEST	0	
TVAW	23	0045 0100 0500 0530 0600 0630 0715 0730 0800 0830 0900 0930 1000 1030 1100 1130 1200 1230 1300 1330 1400 1430 1500
TVCR	9	0045 0100 0115 0130 0145 0200 0715 0800 1700

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	Other
Tower C	ERR	0000-0645 0800-1145 1400-1545 1800-1945 2200-2345	29.0	TM100 100m Temp. values in error (wiring error)
	ERR	1900-2045 2200-2345	84.0	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, February 18, 2013

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)

<i>Site</i>	<i>No.</i>	<i>Time Ranges</i>
TOWA	0	
TOWB	0	
TOWC	0	
TOWK	0	
TOWL	0	
TOWM	0	
M115	2	0745 0800
M222	2	0745 0800
TOWY	0	
TOWS	0	
WEST	0	
TVAW	1	0100
TVCR	7	0100 0115 0130 0145 0200 0800 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	0000-1345 1900-2345	21.0	TM100 100m Temp. values in error (wiring error)
	ERR	0000-0245	88.0	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: Tuesday, February 19, 2013

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	3	0930	1030	1045																																				
TOWL	3	0930	1030	1045																																				
TOWM	0																																							
M115	12	2100	2115	2130	2145	2200	2215	2230	2245	2300	2315	2330	2345																											
M222	12	2100	2115	2130	2145	2200	2215	2230	2245	2300	2315	2330	2345																											
TOWY	0																																							
TOWS	0																																							
WEST	0																																							
TVAW	28	0030	0100	0430	0500	0530	0600	0630	0700	0730	0800	0830	0900	0930	1000	1030	1100	1130	1200	1230	1300	1330																		
1400	1430	1500	1530	1600	1630	1700																																		
TVCR	7	0100	0115	0130	0145	0200	1430	1930																																

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	0000-0445 0600-1045 1300-2245	16.0 TM100	100m Temp. values in error (wiring error)
Tower K	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

Cold front - afternoon

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Wednesday, February 20, 2013

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	28	0000-0645
M222	28	0000-0645
TOWY	0	
TOWS	0	
WEST	0	
TVAW	1	0000
TVCR	8	0100-0200 0445 1130 1930

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	0100-0145 0900-1445 1600-2245	33.0	TM100 100m Temp. values in error (wiring 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:

Thursday, February 21, 2013

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 1 0815
TOWK 0
TOWL 0
TOWM 0
M115 1 2200
M222 1 2200
TOWY 0
TOWS 1 1745
WEST 1 1745
TVAW 31 0030 0100 0200 0230 0300 0330 0400 0430 0500 0530 0600 0630 0700 0730 0800 0830 0900 0930 1015 1030 1100
1130 1200 1230 1300 1330 1900 2000 2100 2200 2300
TVCR 7 0100 0115 0130 0145 0200 1015 1445

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 1000-1045 1200-1645 1900-1945	33.0	TM100 100m Temp. values in error (wiring error)
Tower K	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:

Friday, February 22, 2013

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	1	1230
TOWK	0	
TOWL	0	
TOWM	0	
M115	0	
M222	0	
TOWY	0	
TOWS	0	
WEST	0	
TVAW	48	0100 0145 0300 0345 0445 0545 0615 0715 0845 0945 1015 1200 1245 1515 1530 1545 1600 1615 1645 1645 1700 1715 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
TVCR	7	0100 0115 0130 0145 0200 0415 1645

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	0300-1345 1500-1645 1800-1845 2200-2345	33.0	TM100 100m Temp. values in error (wiring error)
	ERR	0400-0645	88.0	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:

Saturday, February 23, 2013

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	1	1245
TOWK	0	
TOWL	0	
TOWM	0	
M115	0	
M222	0	
TOWY	0	
TOWS	0	
WEST	0	
TVAW	95	0000 0015 0030 0100 0115 0130 0145 0200 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 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 1600 1600 1615 1630 1645 1700 1715 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
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	OK		100.0	
Tower B	OK		100.0	Other
Tower C	ERR	0000-1545 1900-2345	12.0	TM100 100m Temp. values in error (wiring error)
	ERR	0400-0445 1400-1445	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:

Sunday, February 24, 2013

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	1	2115
TOWK	0	
TOWL	0	
TOWM	0	
M115	0	
M222	0	
TOWY	0	
TOWS	0	
WEST	0	
TVAW	96	0000 0015 0030 0045 0115 0130 0145 0200 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 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 1530 1530 1545 1615 1615 1630 1645 1700 1715 1730 1745 1800 1815 1830 1845 1900 1915 1930 1945 2000 2015 2030 2045 2100 2115 2130 2145 2200 2215 2245 2245 2300 2315 2330 2345
TVCR	8	0115 0130 0145 0200 0900 1530 1615 2245

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 0500-0745 0900-2145	20.0	TM100 100m Temp. values in error (wiring error)
	ERR	0300-0845	75.0	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, February 25, 2013

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	1	1245
TOWK	0	
TOWL	0	
TOWM	0	
M115	0	
M222	0	
TOWY	0	
TOWS	0	
WEST	0	
TVAW	61	0000 0015 0030 0100 0115 0130 0145 0200 0200 0215 0230 0245 0300 0315 0330 0345 0400 0415 0430 0445 0500 0515 0530 0545 0600 0615 0630 0645 0700 0730 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
TVCR	7	0100 0115 0130 0145 0200 0730 2145

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	0700-0745 1100-1245 1400-2045 2200-2345	38.0	TM100 100m Temp. values in error (wiring 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:

Wednesday, February 27, 2013

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 1 0600

TOWK 0

TOWL 0

TOWM 0

M115 0

M222 0

TOWY 1 0200

TOWS 1 0200

WEST 1 0200

TVAW 14 0015 0100 0130 0200 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645

TVCR 9 0100 0115 0130 0145 0200 1015 1045 1130 1445

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 0800-1545 1700-1745 1900-2145	20.0 TM100	100m Temp. values in error (wiring 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:

Thursday, February 28, 2013

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	1	1215
TOWK	0	
TOWL	0	
TOWM	0	
M115	0	
M222	0	
TOWY	1	0930
TOWS	1	0930
WEST	1	0930
TVAV	39	0030 0100 0400 0430 0500 0530 0600 0630 0700 0745 0800 0830 0900 0930 1000 1030 1100 1130 1200 1230 1300 1330 1415 1445 1515 1545 1615 1645 1715 1800 1815 1845 1915 1945 2015 2045 2115 2145 2215
TVCR	8	0100 0115 0130 0145 0200 0500 0745 1800

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	Other
Tower C	ERR	0000-1245 1600-2345	12.0	TM100 100m Temp. values in error (wiring error)
Tower K	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

Trace of snowfall AM