

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

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July 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:****Monday, July 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	1	2345
TOWB	1	2345
TOWC	1	2345
TOWK	1	2345
TOWL	1	2345
TOWM	1	2345
M115	96	0000-2345
M222	0	
TOWY	0	
TOWS	0	
WEST	0	
TVAV	23	0030 0100 0145 0200 0230 0300 0330 0400 0430 0500 0530 0600 0630 0700 0730 0800 0830 0900 0930
		1000 1030 1100 1130
TVCR	7	0100 0115 0130 0145 0200 1230 1715

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	0000-1745 2000-2345	8.0	TM100 100m Temp. values in error (wiring error)
	ERR	0500-0545 0900-0945	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

Early AM thunderstorms and late afternoon/early PM thunderstorms

Oak Ridge Reservation**Daily Meteorological Tower Status Report for:****Tuesday, July 2, 2013**

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	96	0000-2345																		
M222	1	2330																		
TOWY	0																			
TOWS	1	2300																		
WEST	0																			
TVAW	17	0045 1330 1400 1430 1500 1530 1600 1630 1700 1730 1800 1830 1900 1930 2000 2030 2100																		
TVCR	7	0115 0130 0145 0200 1200 1430 1500																		

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 0300-0445 0600-2345	75.0	TM100 100m Temp. values in error
	ERR	0000-0145 2000-2045	88.0	WS30 30m Wind Speed values anomalously low (threshold error)
	OK		100.0	All
Tower K	OK		100.0	OK Rain gauge clogged (corrected with L1209)
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, July 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 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 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 1930 1945 2000 2015 2030 2045 2100 2115 2130

2145 2200 2215 2230 2245 2300 2315 2330 2345

M222 0

TOWY 0

TOWS 0

WEST 0

TVAW 21 0030 0100 0145 0200 0230 0300 0330 0400 0430 0500 0530 0600 0630 0700 0730 0800 0830 1345 1415 1445 1515

TVCR 7 0100 0115 0130 0145 0200 1115 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	Other
Tower C	ERR	0000-1845 2100-2345	8.0	TM100 100m Temp. values in error
	OK		100.0	All
Tower K	OK		100.0	
Tower L	OK		100.0	Rain gauge clogged (values estimated from ORR sites)
Tower M	OK		100.0	Rain gauge clogged (values estimated from ORR sites)
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, July 6, 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 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 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 1930
1945 2000 2015 2030 2045 2100 2115 2130 2145 2200 2215 2230 2245 2300 2315 2330 2345
M222 0
TOWY 0
TOWS 0
WEST 0
TVAW 22 0100 0415 0445 0645 0730 0745 0815 1115 1130 1200 1230 1300 1330 1400 1430 1500 1530 1600 1630
1700 1730 2245
TVCR 8 0100 0115 0130 0145 0200 0730 1115 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	Other
Tower C	ERR	0000-1645 1800-2345	8.0	TM100 100m Temp. values in error
	OK		100.0	All
Tower K	OK		100.0	OK
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, July 7, 2013

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

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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	0																		
TOWY	0																		
TOWS	0																		
WEST	0																		
TVAW	23	0045 0815 0845 0915 0945 1015 1045 1115 1215 1245 1315 1500 1530 1600 1630 1700 1730 1800 1830 1900 1930																	
		2000 2030																	
TVCR	7	0115 0130 0145 0200 0600 1500 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	0000-1045 1200-1445 1600-2345	8.0	TM100 100m Temp. values in error
	ERR	1900-1945 2100-2145 2300-2345	88.0	WS30 30m Wind Speed values anomalously low (threshold error)
	OK		100.0	All
Tower K	OK		100.0	OK
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, July 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)

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 0
TOWY 1 1630
TOWS 2 1730 2030
WEST 2 1730 2030
TVAV 23 0045 0345 0845 0915 1045 1115 1145 1215 1245 1315 1345 1415 1445 1515 1545 1615 1800 1930 2000 2100 2130
2300 2330
TVCR 6 0115 0130 0145 0200 0830 1745

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 0800-1745 1900-2345	8.0	TM100 100m Temp. values in error
	ERR	0100-0145 1000-1145 1900-1945 2100-2345	71.0	WS30 30m Wind Speed values anomalously low (threshold error)
	OK		100.0	All
Tower K	OK		100.0	OK
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, July 9, 2013

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	1	2345																
TOWB	1	2345																
TOWC	1	2345																
TOWK	1	2345																
TOWL	1	2345																
TOWM	1	2345																
M115	96	0000-2345																
M222	0																	
TOWY	3	0100 0345 0530																
TOWS	3	0100 0345 0530																
WEST	3	0100 0345 0530																
TVAW	19	0000 0100 1530 1600 1630 1700 1730 1800 1830 1900 1930 2000 2030 2100 2130 2200 2230 2300 2330																
TVCR	40	0100-0200 0515 1015 1530 1600-2345																

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 0800-0945 1200-1745 1900-2345	16.0	TM100 100m Temp. values in error
	ERR	0000-0145 0300-0345 0700-0745 2000-2045 2300-2345	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:

Thursday, July 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 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 1 1715

TOWY 1 1730

TOWS 2 1100 1730

WEST 1 1730

TVAW 20 0045 0100 0200 0230 0300 0330 0400 0430 0500 0530 0600 0630 0700 0730 0800 0830 0900 0930 1000 1030

TVCR 96 0000-2345

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
	ERR	2100-2145	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:

Friday, July 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)

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 0

TOWY 0

TOWS 0

WEST 0

TVAV 26 0045 0100 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915 0945 1330
1400 1600 1630 1700 1730 1800 1830

TVCR 96 0000-2345

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
	ERR	0400-0445	84.0	WS30 30m Wind Speed values anomalously low (threshold error)
		0700-0845		
		2300-2345		
	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:

Saturday, July 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 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 1 0715

TOWY 0

TOWS 1 1100

WEST 0

TVAW 17 0100 0815 0845 0915 0945 1015 1045 1115 1145 1215 1245 1315 1345 1415 1445 1515 1545

TVCR 96 0000-2345

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	0000-1045 1200-2345	4.0	TM100 100m Temp. values in error
	ERR	0200-0445 2100-2245	80.0	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

Thunderstorms on/near ORR late afternoon.

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Sunday, July 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)

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 0

TOWY 0

TOWS 1 0600

WEST 0

TVAW 15 0100 1415 1445 1515 1545 1615 1645 1715 1745 1815 1845 1915 1945 2015 2045

TVCR 96 0000-2345

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	0000-0945 1100-1945 2100-2345	8.0	TM100 100m Temp. values in error
	ERR	0000-0045 0400-0445	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

Thunderstorms on/near ORR late afternoon/early evening

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Monday, July 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 30 0000-0715

M222 1 0715

TOWY 0

TOWS 0

WEST 0

TVAW 5 0100 0130 0200 0230 0300

TVCR 96 0000-2345

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	0100-1445 1600-2245	12.0	TM100 100m Temp. values in error
	ERR	0500-0545	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:

Tuesday, July 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)

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 0

TOWY 3 0245 1300 1315

TOWS 2 0245 0300

WEST 2 0245 0300

TVAW 28 0015 0045 0100 0115 0145 0215 0500 0530 0600 0630 0700 0730 0800 0830 0900 0930 1000 1030 1100 1130 1200 1230 1300 1645 1745 1815
1845 1915

TVCR 96 0000-2345

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	0100-2045	12.0	TM100
	ERR	0100-0445	80.0	WS30
		2300-2345		100m Temp. values in error 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, July 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 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 0

TOWY 3 1445 1645 1700

TOWS 4 0200 1230 1730 1830

WEST 3 0200 1730 1830

TVAW 35 0100 0545 0615 0645 0715 0745 0815 0845 0915 0945 1015 1045 1115 1145 1215 1245 1315 1345 1415 1445 1515 1545 1700 1730 1800 1830

1900 1930 2000 2030 2100 2130 2200 2230 2300

TVCR 95 0000-2345

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	0300-0345 0600-0645 0800-1045 1300-2345	29.0	TM100 100m Temp. values in error
	ERR	0000-0345 0500-0645 0800-0845	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

None

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Thursday, July 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)

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 0

TOWY 1 0715

TOWS 6 0715 0845 0915 1645 1815 2145

WEST 6 0715 0845 0915 1645 1815 2145

TVAW 17 0100 1615 1645 1715 1745 1815 1845 1915 1945 2015 2045 2115 2145 2215 2245 2315 2345

TVCR 96 0000-2345

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	0000-1445 1600-2345	4.0	TM100 100m Temp. values in 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:

Friday, July 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 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 1 1930

TOWY 3 1630 1915 2245

TOWS 5 0300 1630 1915 2145 2245

WEST 5 0300 1630 1915 2145 2245

TVAW 11 0015 0045 0100 0115 0600 0630 0700 0730 0830 2315 2345

TVCR 96 0000-2345

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
	ERR	0000-0745	54.0	WS30 30m Wind Speed values anomalously low (threshold error)
		2000-2345		
	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:

Saturday, July 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)

<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	33	1545 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 2345																	
TOWY	2	0615 1230																	
TOWS	4	0215 0615 1230 2215																	
WEST	4	0215 0615 1230 2215																	
TVAW	31	0015 0045 0100 0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845																	
	0915 1030 1100 1130 1200 1230 1330 1400 1430 1500 1530 1630																		
TVCR	96	0000-2345																	

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
	ERR	0000-0045	76.0	WS30
		0200-0345		
		1900-2145		
	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, July 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	1	2345
TOWB	1	2345
TOWC	1	2345
TOWK	1	2345
TOWL	1	2345
TOWM	1	2345
M115	96	0000-2345
M222	3	1700 1715 1745
TOWY	5	1645 1645 1715 1745 1745
TOWS	6	1530 1645 1645 1715 1745 1745
WEST	5	1645 1645 1715 1745 1745
TVAW	19	0100 0230 0615 1345 1415 1445 1515 1615 1645 1715 1745 1815 1845 1915 1945 2015 2045 2115 2145
TVCR	96	0000-2345

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	0000-0445 0600-1845 2000-2145 2300-2345	12.0 TM100	100m Temp. values in error
	ERR	0000-0045 0200-0245	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

Thundershowers crossed ORR area late afternoon

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Tuesday, July 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 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 0

TOWY 0

TOWS 0

WEST 0

TVAW 13 0100 0900 1830 1900 1930 2000 2030 2100 2130 2200 2230 2300 2330

TVCR 96 0000-2345

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
	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 area from WNW to ESE mid-afternoon

Oak Ridge Reservation**Daily Meteorological Tower Status Report for:****Wednesday, July 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)

<i>Site</i>	<i>No.</i>	<i>Time Ranges</i>																		
TOWA	3	0000 1015 2345																		
TOWB	3	0000 1015 2345																		
TOWC	3	0000 1015 2345																		
TOWK	3	0000 1015 2345																		
TOWL	3	0000 1015 2345																		
TOWM	3	0000 1015 2345																		
M115	90	0000-2345																		
M222	2	0800 0830																		
TOWY	2	0830 1015																		
TOWS	2	0830 1015																		
WEST	2	0830 1015																		
TVAW	16	0030 0100 0130 0200 0230 0300 0330 0400 0430 0600 0830 1015 1045 1115 1145 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	0000-2345	0.0 TM100	100m Temp. values in error
	OK		100.0 Other	
	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	T1 communication line repaired by Verizon
Tower S	OK		100.0	
Tower W	OK		100.0	
Tower Y	OK		100.0	

Communication/Weather Notes

Afternoon thundershowers in vicinity of ORR in association with PM cold front passage

**Daily Meteorological Tower Status Report for:
Thursday, July 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 2 0815 2345
TOWB 2 0815 2345
TOWC 2 0815 2345
TOWK 2 0815 2345
TOWL 2 0815 2345
TOWM 2 0815 2345
M115 96 0000-2345
M222 1 0730
TOWY 1 0830
TOWS 2 0830 1400
WEST 1 0830
TVAW 25 0100 0830 1030 1100 1200 1230 1300 1330 1400 1430 1500 1530 1600 1630 1700 1730 1800 1830 1900 1930 2000 2030 2100 2130 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	Other
Tower C	ERR	0000-1245 1400-2345	4.0	TM100 100m Temp. values in error
	ERR	0100-0645 2300-2345	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
None

Daily Meteorological Tower Status Report for:

Friday, July 26, 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 3 0830 1245 2345

TOWB 3 0830 1245 2345

TOWC 3 0830 1245 2345

TOWK 3 0830 1245 2345

TOWL 3 0830 1245 2345

TOWM 3 0830 1245 2345

M115 96 0000-2345

M222 1 0815

TOWY 1 0845

TOWS 1 0845

WEST 1 0845

TVAW 7 0100 0345 0445 0515 0545 0615 0845

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
	ERR	0000-0045 0500-0645 2300-2345	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

Daily Meteorological Tower Status Report for:

Saturday, July 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 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 0

TOWY 0

TOWS 0

WEST 0

TVAW 38 0045 0100 0330 0400 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 1915 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	0000-2345	0.0	TM100 100m Temp. values in 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

Thunderstorms in Anderson/Oak Ridge area during afternoon hours.

Daily Meteorological Tower Status Report for:**Sunday, July 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)

<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	1	0000
TOWY	1	0015
TOWS	1	0015
WEST	1	0015
TVAW	4	0015 0045 0100 0115

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 0600-0745 0900-1545 1700-1945 2100-2345	16.0	TM100 100m Temp. values in error
	ERR	0000-0045 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

Daily Meteorological Tower Status Report for:

Monday, July 29, 2013

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 1 2345

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000-2345

M222 0

TOWY 0

TOWS 0

WEST 0

TVAW 42 0045 0100 0130 0230 0330 0400 0430 0500 0530 0600 0630 0700 0730 0800 0830 0900 0930 1000 1030
1100 1130 1215 1300 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	0100-2045 2300-2345	12.0	TM100 100m Temp. values in error
	ERR	0000-0245 1900-1945	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

Daily Meteorological Tower Status Report for:

Tuesday, July 30, 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	1	2345
TOWB	1	2345
TOWC	1	2345
TOWK	1	2345
TOWL	1	2345
TOWM	1	2345
M115	96	0000-2345
M222	4	1645 1700 1730 2345
TOWY	4	1700 1715 1730 1745
TOWS	4	1700 1715 1730 1745
WEST	4	1700 1715 1730 1745
TVAW	5	0100 2130 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	0100-1145 1300-2345	4.0	TM100 100m Temp. values in error
	ERR	0100-0145 0600-0745	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

Daily Meteorological Tower Status Report for:**Wednesday, July 31, 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	1	2345
TOWB	1	2345
TOWC	2	1300 2345
TOWK	1	2345
TOWL	1	2345
TOWM	1	2345
M115	96	0000-2345
M222	0	
TOWY	1	0000
TOWS	2	0000 1430
WEST	1	0000
TVAW	30	0030 0100 0130 0200 0230 0300 0330 0400 0430 0500 0530 0600 0630 0700 0730 0800 1115 1145 1215 1245 1315 1345 1415 1445 1515 1545 1615 1645 1715 1745

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 0900-2345	8.0	TM100 100m Temp. values in error
	ERR	0000-1845 2100-2345	92.0	WS30 30m Wind Speed values anomalously low (threshold error)
	ERR	0600-2345	25.0	Precip Rain gauge partially clogged (corrected with Tower A)
	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