

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

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January 2009

Tower ID Summary:

<i>Name</i>	<i>Alternate Names</i>	<i>ORR Site</i>	<i>Elevation (m)</i>	<i>Easting, Northing (m)</i>	<i>Measuring Hts</i>
Tower A	MT4, 7571	ORNL	263	743179,3978105	10,30
Tower B	MT3, 6555, 07	ORNL	256	743398,3979683	10,30
Tower C	MT2, 1057, 03	ORNL	261	741423,3978768	10,30,100
Tower K	MT1, 1208	ETTP	253	735675,3979503	10,60
Tower L	MT7, 1209	ETTP	233	735110,3978654	10,30
Tower M	MT10, 208A	ETTP	237	735720,3976860	10
Tower W	MT6, Y12W, West	Y12	326	748890,3986700	10,60
Tower Y	MT9, PSS Tower	Y12	290	747926.3985859	15, 33

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Thursday, January 1, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	OK		100.0	100.0		
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
ETOS	0000-2345	0.0	ETOS network data missing

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Friday, January 2, 2009
 Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308
 Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	OK		100.0	100.0		
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
ETOS	0000-1245	46.0	ETOS network data missing

Special Notes
 Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Saturday, January 3, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	OK		100.0	100.0		
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Sunday, January 4, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	1200-2345	50.0	50.0	TM10	10-m Temperature values in error (probe failure)
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

Thundershowers occurred in the area around 0400-0600 hrs

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Monday, January 5, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m Temperature values in error (probe failure)
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Tuesday, January 6, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m Temperature values in error (probe failure)
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	2030-2345	81.0	84.0	All	Missing 15-min data (Y12 network error)
Tower Y	ERR	2030-2345	81.0	84.0	All	Missing 15-min data (Y12 network error)

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Wednesday, January 7, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	ERR	0000-1745	25.0	25.0	TM10	10-m Temperature values in error (probe failure) Replaced by Shaw 1430 hrs; calibrated by KR Birdwell 1430-1730 hrs
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0000-2345	0.0	0.0	All	Missing 15-min data (Y12 network error)
Tower Y	ERR	0000-2345	0.0	0.0	All	Missing 15-min data (Y12 network error)

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
Y12, ETOS	0000-2345	0.0	Y12 network failure resulted in no Y-12 or ETOS data availability.

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Thursday, January 8, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0000-0845, 1045-1200, 1445-1545, 2000, 2100, 2145, 2330	50.0	50.0	All	Missing 15-min data (Y12 network errors)
Tower Y	ERR	0000-0845, 1045-1200, 1445-1545, 2000, 2100, 2145, 2330	50.0	50.0	All	Missing 15-min data (Y12 network errors)

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
Y12, ETOS	Shown above	50.0	Y12 network failure resulted in no Y-12 or ETOS data availability during these times.

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Friday, January 9, 2009
 Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308
 Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0015, 0115, 0245, 0330 0415, 0645, 0800, 0845 0945, 1015, 1130, 1430 1500, 1530, 1730, 1830 1930, 2030, 2130, 2230 2330	78.0	96.0	All	Missing 15-min data (Y12 network/timing errors)
Tower Y	ERR	0015, 0115, 0245, 0330 0415, 0645, 0800, 0845 0945, 1015, 1130, 1430 1500, 1530, 1730, 1830 1930, 2030, 2130, 2230 2330	78.0	96.0	All	Missing 15-min data (Y12 network/timing errors)

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
Y12, ETOS	Shown above	78.0	Intermittent Y12 network failure and/or system cron timing issues resulted in no Y-12 or ETOS data availability during these times.

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Saturday, January 10, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0030, 0115, 0200, 0430 0515, 0830, 1115, 1445 1730, 1815	89.0	96.0	All	Missing 15-min data (Y12 network/timing errors)
Tower Y	ERR	0030, 0115, 0200, 0430 0515, 0830, 1115, 1445 1730, 1815	89.0	96.0	All	Missing 15-min data (Y12 network/timing errors)

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
Y12, ETOS	Shown above	89.0	Intermittent Y12 network failure and/or system cron timing issues resulted in no Y-12 or ETOS data availability during these times.

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

Significant cold air trapped in Central and Eastern TN Valley influencing temperatures at Oak Ridge and Knoxville (but not Chattanooga). Cold frontal passage around occurred 2200-2400 hrs.

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Sunday, January 11, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0100, 1100, 1430, 1530 1600	95.0	100.0	All	Missing 15-min data (Y12 network/timing errors)
Tower Y	ERR	0100, 1100, 1430, 1530 1600	95.0	100.0	All	Missing 15-min data (Y12 network/timing errors)

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
Y12, ETOS	Shown above	95.0	Intermittent Y12 network failure and/or system cron timing issues resulted in no Y-12 or ETOS data availability during these times.

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

Very light snow flurries observed in Lake City area around 1300 hrs.

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Monday, January 12, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Tuesday, January 13, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Wednesday, January 14, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	ERR	0000-1045	54.0	54.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0115-0215, 0930-1000 1815	90.0	92.0	All	Missing 15-min data (Y12 network/timing errors)
Tower Y	ERR	0115-0215, 0930-1000 1815	90.0	92.0	All	Missing 15-min data (Y12 network/timing errors)

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Thursday, January 15, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0045-0115, 0215-0245 0845, 1000-1030, 1100 1130, 1230, 1300, 1330 1515, 1545, 1615-1700	77.0	84.0	All	Missing 15-min data (Y12 network/timing errors)
Tower Y	ERR	0045-0115, 0215-0245 0845, 1000-1030, 1100 1130, 1230, 1300, 1330 1515, 1545, 1615-1700	77.0	84.0	All	Missing 15-min data (Y12 network/timing errors)

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

Arctic cold front crossed area around 0200-0300 hrs.

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Friday, January 16, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0945, 1045-1100 1345-1430, 1645-1700	90.0	96.0	All	Missing 15-min data (Y12 network/timing errors)
Tower Y	ERR	0945, 1045-1100 1345-1430, 1645-1700	90.0	96.0	All	Missing 15-min data (Y12 network/timing errors)

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

Arctic air mass dominates.

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Saturday, January 17, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

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SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0915, 1015-1045 1115-1130, 1230 1330-2045	65.0	60.0	All	Missing 15-min data (Y12 network/timing errors)
Tower Y	ERR	0915, 1015-1045 1115-1130, 1230 1330-2045	65.0	60.0	All	Missing 15-min data (Y12 network/timing errors)

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
Incoming Y12	1330-2045	65.0	Y12 network outage?

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

Arctic air mass retreating; cold air wedge remained along western edge of Great Valley including Oak Ridge. Winds at Oak Ridge were light from SW to W while those Knoxville-McGhee-Tyson were strong out of SW. Temperature difference of 3-4C remained between Oak Ridge and Knoxville for several hours .

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Sunday, January 18, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0545, 1100 2015-2045, 1930	93.0	96.0	All	Missing 15-min data (Y12 network/timing errors)
Tower Y	ERR	1100, 2015-2045 1930	94.0	96.0	All	Missing 15-min data (Y12 network/timing errors)

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Monday, January 19, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	ERR	0000-0845 1100-2345	8.0	8.0	TM10	10-m temperature sensor undergoing minor calibrations
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	1745	99.0	100.0	All	Missing 15-min data (Y12 network/timing errors)
Tower Y	ERR	1745	99.0	100.0	All	Missing 15-min data (Y12 network/timing errors)

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

Arctic cold front passage around 1200 hrs; 1/2 inch snowfall between 0900-1100 hrs. Some melting occurred during the afternoon.

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Tuesday, January 20, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor suspect
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	2100-2345	88.0	88.0	TM60	60-m temperature aspirator failure
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	1300-2345	54.0	54.0	All	Missing 15-min data (Y12/ORNL processing change)
Tower Y	ERR	1300-2345	54.0	54.0	All	Missing 15-min data (Y12/ORNL processing change)

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
Dasmet	1300-2345	54.0	Met programming changes in process for ORNL/Y12 interface

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

½ inch of snowfall occurred between 0400-1000 hrs at ORNL; much of the snowfall was associated with mountain-wave effect snow showers streaming from N to ;S snow showers and flurries continued through 1900 hrs.

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Wednesday, January 21, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor suspect
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0000-1945	16.0	16.0	TM60	60-m temperature aspirator failure
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0900-0915, 0945-1000 1245	94.0	96.0	All	Missing 15-min data (Y12/ORNL processing change)
Tower Y	ERR	0900-0915, 0945-1000 1245	94.0	96.0	All	Missing 15-min data (Y12/ORNL processing change)

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Thursday, January 22, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor suspect
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0900-1845	64.0	64.0	TM60	60-m temperature aspirator failure
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Friday, January 23, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	ERR	0000-2345	0.0	0.0	TM10	10-m temperature sensor suspect
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0800-1345, 1800-2345	50.0	50.0	TM60	60-m temperature aspirator failure
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

Very strong Great Valley temperature inversion and heavy fog persisted until 1100-1200 hrs. Temperatures in the Great Valley were 2-5C cooler than values at Crossville.

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Saturday, January 24, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	0300-0345 0600-2345	21.0	21.0	TM10	10-m temperature sensor suspect
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	ERR	1500-1745	88.0	88.0	TM10	10-m temperature values in error (failed aspirator?)
	OK		100.0	100.0	Others	
Tower K	ERR	0000-2345	0.0	0.0	TM60	60-m temperature aspirator failure
	OK		100.0	100.0	Other	
Tower L	ERR	0700-1045	84.0	84.0	All	Missing data (scheduled power outage)
Tower M	ERR	0700-1045	84.0	84.0	All	Missing data (scheduled power outage)
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

Cold front passage around 0500 hrs

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Sunday, January 25, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	0900-1545	70.0	70.0	TM10	10-m temperature met card suspect
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	ERR	0900-2345	36.0	36.0	TM10	10-m temperature values in error (failing aspirator)
	OK		100.0	100.0	Others	
Tower K	ERR	0800-2345	33.0	33.0	TM60	60-m temperature aspirator failure
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Monday, January 26, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	OK		100.0	100.0		10-m temperature met card suspect; switched with met card at 30-meters by Shaw Env. at 1145 hrs.
Tower B	OK		100.0	100.0		
Tower C	ERR	0000-1130	52.0	52.0	TM10	10-m temperature values in error (failing aspirator); Aspirator replaced by Shaw Env. 1100-1130 hrs.
Tower K	OK	0000-2345	100.0	100.0	Others	60-m temperature aspirator failure
	ERR		0.0	0.0	TM60	
Tower L	OK		100.0	100.0	Other	
	ERR		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Tuesday, January 27, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	OK		100.0	100.0		
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0000-2145	8.0	8.0	TM60	60-m temperature aspirator failure
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Wednesday, January 28, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

Site Name	Status	Time Range	% Data Recovered		Sensors Affected	Comments
			15-min	60-min		
Tower A	OK		100.0	100.0		
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0800-2345	33.0	33.0	TM60	60-m temperature aspirator failure
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

Affected Systems	Time Range	%Data Recovered	Cause/Repair
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

Strong warm front scoured out cold air from around 0100-0300 hrs; temperatures were 10C cooler in Oak Ridge vs. Knoxville for a 2-3 hr period before 0200 hrs; Strong cold front crossed area from 1100-1300 hrs.

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Thursday, January 29, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	OK		100.0	100.0		
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0000-1845, 2200-2345	12.0	12.0	TM60	60-m temperature aspirator failure
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Friday, January 30, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	0900-2345	36.0	36.0	TM10	10-m temperature minor corrections
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0000-2345	0.0	0.0	TM60	60-m temperature aspirator failure
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	1545-1600	98.0	100.0	All	Missing 15-min (Y12 network error?)
Tower Y	ERR	1545-1600	98.0	100.0	All	Missing 15-min (Y12 network error?)

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:**

Saturday, January 31, 2009

Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308

Email birdwellkr@ornl.gov, Pager 865.873.7149

SITE STATUS (Instrumentation, 15-Minute Data Collection)

<i>Site Name</i>	<i>Status</i>	<i>Time Range</i>	<i>% Data Recovered</i>		<i>Sensors Affected</i>	<i>Comments</i>
			<i>15-min</i>	<i>60-min</i>		
Tower A	ERR	2200-2345	92.0	92.0	TM10	30-m temperature minor corrections
	OK		100.0	100.0	Others	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0800-2145	40.0	40.0	TM60	60-m temperature aspirator failure
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	OK		100.0	100.0		
Tower Y	OK		100.0	100.0		

NETWORK INTERRUPTIONS

<i>Affected Systems</i>	<i>Time Range</i>	<i>%Data Recovered</i>	<i>Cause/Repair</i>
None			

Special Notes

Wind speed threshold is 0.5 mph on all sites unless otherwise noted.

Weather Notes

None