

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

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**May 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:**

Friday, May 1, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	0715-1400	71.0	71.0	TM10	10-m temperature sensor values in error (due to heavy rainfall interference)
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0515-0600	96.0	96.0	TM60	60-m temperature value in error due to interference from very heavy rainfall during the hour.
	ERR	0000-0045, 0515-2345	25.0	25.0	WD10	10-m wind direction values suspicious (may be after-effect of 04/10/09 storm event) – data appear to be correctable by a fixed adjustment)
	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*

MCS-like system moved through 0600-1000 hrs; another MCS system moved through (WNW to ESE) around 1700-2000 hrs. Thundershower in area 1900 hrs.

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

Saturday, May 2, 2009  
 Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308  
 Email [birdwellkr@ornl.gov](mailto: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	0000-2345	0.0	0.0	WD10	10-m wind direction values suspicious (may be after-effect of 04/10/09 storm event)
	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*

Decaying MCS-system moved through area 0900-1100 hrs

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

Sunday, May 3, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	0000-1645, 2200-2345	25.0	25.0	WD10	10-m wind direction values suspicious (may be after-effect of 04/10/09 storm event)
	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*

Stationary front in area throughout the 24-hr period

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

Monday, May 4, 2009  
 Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308  
 Email [birdwellkr@ornl.gov](mailto: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	0000-1045, 1300-1845	29.0	29.0	WD10	10-m wind direction values suspicious (may be after-effect of 04/10/09 storm event)
	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*

Cold front passage around 0600 hrs; stationary front in area during afternoon hours.

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

Tuesday, May 5, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	10-m temperature values in error (water leak affected sensor)
	OK		100.0	100.0	Other	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0800-1945	50.0	50.0	WD10	10-m wind direction values suspicious (may be after-effect of 04/10/09 storm event)
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	1830-2345	52.0	52.0	All	Missing Y-12 data (Y-12 network failure?)
Tower Y	ERR	1830-2345	52.0	52.0	All	Missing Y-12 data (Y-12 network failure?)

**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*

Low pressure center and cold front over area 0400-0800 hrs.

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

Wednesday, May 6, 2009

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

Email [birdwellkr@ornl.gov](mailto: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 (water leak affected sensor)
	OK		100.0	100.0	Other	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	1000-2345	42.0	42.0	WD10	10-m wind direction values suspicious (may be after-effect of 04/10/09 storm event)
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0000-0715, 0830-0915 1215-1230	64.0	64.0	All	Missing Y-12 data (Y-12 network errors)
Tower Y	ERR	0000-0715, 0830-0915 1215-1230	64.0	64.0	All	Missing Y-12 data (Y-12 network 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*

Cold front passage late afternoon-evening hours..



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

Thursday, May 7, 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 values in error (water leak affected sensor)
	OK		100.0	100.0	Other	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0000-2345	0.0	0.0	WD10	10-m wind direction values suspicious (may be after-effect of 04/10/09 storm event)
	OK		100.0	100.0	Other	
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0715, 0745, 1615	97.0	97.0	All	Missing Y-12 data (Y-12 network errors)
Tower Y	ERR	0715, 0745, 1615	97.0	97.0	All	Missing Y-12 data (Y-12 network 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*

Thundershowers passed area 0100-0200 hrs.

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

Friday, May 8, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	0000-0145, 0300-0545 0700-0945, 1200-2345	16.0	16.0	TM10	10-m temperature values in error (water leak affected sensor)
	OK		100.0	100.0	Other	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	0000-1045	54.0	54.0	WD10	10-m wind direction values in error (intermittent after-effect of 04/10/09 storm event)
	OK		100.0	100.0	Other	
Tower L	ERR	0814-2345	34.0	34.0	WD10, WS10	10-m wind direction and speed instrument failure (caused by lightning activity at 0813 hrs on 05/08/09; Shaw Env. Replaced by I/O Met Card at 1500 hrs on 05/11/09)
	OK		100.0	100.0	Other	
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*

Line of severe thunderstorms crossed area from WNW to ESE around 0800 hrs..

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

Saturday, May 9, 2009  
Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308  
Email [birdwellkr@ornl.gov](mailto: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	0000-1645	29.0	29.0	TM10	10-m temperature values in error (moisture from antecedent heavy precipitation affected sensor)
	OK		100.0	100.0	Other	
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	OK		100.0	100.0	Other	
Tower L	ERR	0000-2345	0.0	0.0	WD10, WS10	10-m wind direction and speed instrument failure (caused by lightning activity at 0813 hrs on 05/08/09; Shaw Env. Replaced by I/O Met Card at 1500 hrs on 05/11/09)
	ERR	0000-0545	75.0	75.0	TM10	
	OK		100.0	100.0	Other	
Tower M	OK		100.0	100.0		
Tower W	ERR	0800-0930	93.0	92.0	All	Missing data (Y-12 network errors)
Tower Y	ERR	0800-0930	93.0	92.0	All	Missing data (Y-12 network 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*

Decaying MCS affected area 0800-1100 hrs; no lightning; scattered afternoon/evening thundershowers occurred late afternoon/early evening; evening cold front passage.

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

Sunday, May 10, 2009  
 Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308  
 Email [birdwellkr@ornl.gov](mailto: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	Other	
Tower L	ERR	0000-2345	0.0	0.0	WD10, WS10	10-m wind direction and speed instrument failure (caused by lightning activity at 0813 hrs on 05/08/09; Shaw Env. Replaced by I/O Met Card at 1500 hrs on 05/11/09)
	OK		100.0	100.0	Other	
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:**

Monday, May 11, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	OK		100.0	100.0	Other	
Tower L	ERR	0000-1500	35.0	35.0	WD10, WS10	10-m wind direction and speed instrument failure (caused by lightning activity at 0813 hrs on 05/08/09; Shaw Env. Replaced by I/O Met Card at 1500 hrs on 05/11/09)
	ERR	1300-1445	92.0	92.0	All	Quarterly calibrations performed by Shaw Environmental
Tower M	OK		100.0	100.0		
Tower W	ERR	1815-2015	90.0	92.0	All	Missing data (Y-12 network errors)
Tower Y	ERR	1815-2015	90.0	92.0	All	Missing data (Y-12 network 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*

None

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

Tuesday, May 12, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	Other	
Tower L	OK		100.0	100.0	Other	
Tower M	OK		100.0	100.0		
Tower W	ERR	1200	99.0	100.0	All	Missing data (Y-12 network errors)
Tower Y	ERR	1200	99.0	100.0	All	Missing data (Y-12 network 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:**

Wednesday, May 13, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	1300-1500	90.0	92.0	All	Quarterly calibrations performed by Shaw Environmental
Tower B	OK		100.0	100.0		
Tower C	OK		100.0	100.0		
Tower K	ERR	1100-1345	88.0	88.0	All	Missing data (Quarterly calibrations performed by Shaw Environmental)
Tower L	OK		100.0	100.0	Other	
Tower M	OK		100.0	100.0		
Tower W	ERR	1345	99.0	100.0	All	Missing data (Y-12 network errors)
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:**

Thursday, May 14, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	ERR	1030-1200	93.0	92.0	All	Missing data (Quarterly calibrations performed by Shaw Environmental)
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	1130	99.0	100.0	All	Missing data (Y-12 network errors)
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*

Strong thunderstorms formed along eastern edge of Cumberland Plateau and Mts. around 1800-1900 hrs and moved east across the area around 2000-2200 hrs.



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

Friday, May 15, 2009

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

Email [birdwellkr@ornl.gov](mailto: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*

Thunderstorms developed mid-afternoon over Smoky Mts. and moved into central valley from south; more development along this line in the Central Valley slowly moved from south to north across ORR and Anderson County around 1800-2000 hrs.

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

Saturday, May 16, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	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 crossed area from west to east around 1800-2000 hrs in association with a significant cold front; frontal passage began around 2200 hrs.

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

Sunday, May 17, 2009  
Compiled by KR Birdwell, MS6418, CSM/CSSED, ORNL, Phone 865.576.2308  
Email [birdwellkr@ornl.gov](mailto: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	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*  
Rainshowers continued through most of the early am hours prior to sunrise; cold front passage was complete by 0300 hrs.

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

Monday, May 18, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	ERR	0400, 0730	98.0	100.0	All	Missing 15-min data (Y12 network timing errors?)
Tower Y	ERR	0400, 0730	98.0	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

None

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

Tuesday, May 19, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	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, May 20, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	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:**

Thursday, May 21, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	ERR	1015-1145	92.0	92.0	All	Missing data (Quarterly calibrations performed by Shaw Environmental)
Tower K	OK		100.0	100.0		
Tower L	OK		100.0	100.0		
Tower M	OK		100.0	100.0		
Tower W	ERR	0700-0715, 1045, 1900	96.0	100.0	All	Missing 15-min data (Y12 network errors)
Tower Y	ERR	0700-0715, 1045	97.0	100.0	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>
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, May 22, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	ERR	1900	99.0	100.0	All	Missing 15-min data (Y12 network errors)
Tower Y	ERR	1900	99.0	100.0	All	Missing 15-min data (Y12 network 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:**

Saturday, May 23, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	ERR	1030-1100, 1130, 1200 1230, 1415	92.0	96.0	All	Missing 15-min data (Y12 network errors)
Tower Y	ERR	1030-1100, 1130, 1200 1230, 1415	92.0	96.0	All	Missing 15-min data (Y12 network 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:**

Sunday, May 24, 2009  
 Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308  
 Email [birdwellkr@ornl.gov](mailto: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	ERR	1015, 2300	98.0	100.0	All	Missing 15-min data (Y12 network errors)
Tower Y	ERR	1015	99.0	100.0	All	Missing 15-min data (Y12 network 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*  
 Strong thunderstorms moved across area from SSE to NNW around 2000 hrs (over 1 inch of rain) crossed ORNL and ETPP area.

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

Monday, May 25, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	ERR	0430, 0515	98.0	100.0	All	Missing 15-min data (Y12 network 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:**

Tuesday, May 26, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	0800-1345	75.0	75.0	TM10	10m Temperature values in error (moisture in System)
	OK		100.0	100.0	Other	
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	1200-1215	98.0	100.0	All	Missing 15-min data (Y12 network errors)
Tower Y	ERR	1030	99.0	100.0	All	Missing 15-min data (Y12 network 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*

Thundershower in area 1500-1700 hrs.

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

Wednesday, May 27, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	0800-1345	75.0	75.0	TM10	10m Temperature values in error (moisture in System)
	OK		100.0	100.0	Other	
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:**

Thursday, May 28, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	ERR	0545	99.0	100.0	All	Missing 15-min data (Y12 network errors)
Tower Y	ERR	0545	99.0	100.0	All	Missing 15-min data (Y12 network 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*

Light thundershowers passed through area several times.

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

Friday, May 29, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	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*

Cold front passage around 1400 hrs.

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

Saturday, May 30, 2009

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

Email [birdwellkr@ornl.gov](mailto: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	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:**

Sunday, May 31, 2009  
 Compiled by KR Birdwell, MS6418, CSM/CSED, ORNL, Phone 865.576.2308  
 Email [birdwellkr@ornl.gov](mailto: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*  
 "Back-door cold front passage during mid-day.

