

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

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Computational Science and Engineering Division
Oak Ridge National Laboratory

November 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:

Friday, November 1, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 | 74 | 0000-1800 2345 |
| TOWY | 1 | 0015 |
| TOWS | 1 | 0015 |
| WEST | 1 | 0015 |
| TVAW | 20 | 0015 0045 0100 0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915 |

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 | 0000-0045 0400-0445 0600-2345 | 16.0 | TM100 100m Temp. values in error (wiring error) |
| | ERR | 2100-2145 2300-2345 | 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

Cold front AM

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Saturday, November 2, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 71 0130-1900

TOWY 1 0000

TOWS 2 0000 1545

WEST 1 0000

TVAW 22 0100 1130 1200 1230 1300 1330 1400 1430 1500 1530 1600 1630 1700 1730 1800 1830 1900 2000 2100

2130 2200 2230

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 0000-1545 8.0 TM100 100m Temp. values in error (wiring error)

1700-2145

2300-2345

ERR 0000-0045 88.0 WS30 30m Wind Speed values anomalously low (threshold error)

0400-0545

OK 100.0 Other

Tower K OK 100.0

Tower L OK 100.0

Tower M OK 100.0

Tower S OK 100.0

Tower W OK 100.0

Tower Y OK 100.0

Communication/Weather Notes

None

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Sunday, November 3, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 39 0915-1900

TOWY 0

TOWS 1 0115

WEST 0

TVAW 24 0015 0045 0100 0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915 0945 1015 1045 1115

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

| <i>Site</i> | <i>Status</i> | <i>Time Ranges</i> | <i>Pct Recovery</i> | <i>Special Notes</i> |
|-------------|---------------|--------------------------------------------------|---------------------|-----------------------------------------------------------------|
| Tower A | OK | | 100.0 | |
| Tower B | OK | | 100.0 | Other |
| Tower C | ERR | 0000-0245 0500-1245 1400-1445 1600-2145 | 25.0 | TM100 100m Temp. values in error (wiring error) |
| | ERR | 0400-0645 0800-0845 | 84.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| | OK | | 100.0 | Other |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

None

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Monday, November 4, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

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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 | 70 | 0430–235 |
| TOWY | 0 | |
| TOWS | 1 | 2145 |
| WEST | 0 | |
| TVAW | 5 | 0100 2145 2215 2245 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 | 0100–0645 0800–0845 1000–1045 1200–2345 | 16.0 | TM100 100m Temp. values in error (wiring error) |
| | ERR | 1800–1945 | 92.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| | OK | | 100.0 | Other |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

None

Oak Ridge Reservation

Daily Meteorological Tower Status Report for: Tuesday, November 5, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL
Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 | 60 | 0015–1445, 2145–2345 |
| TOWY | 1 | 0015 |
| TOWS | 3 | 0015 0215 2030 |
| WEST | 1 | 0015 |
| TVAW | 47 | 0015–0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915 0945 1015 1045 1200 1300 1330 1400 1430 1500 1530 1600 1630 1700 1730 1800 1830 1900 1930 2000 2030 2100 2130 2200 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 | 0100–0645 0800–0845 1000–1045 1200–2345 | 16.0 TM100 | 100m Temp. values in error (wiring error) |
| | ERR | 1800–1945 | 92.0 WS30 | 30m Wind Speed values anomalously low (threshold error) |
| | OK | | 100.0 Other | |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

None

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Wednesday, November 6, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 | 54 | 0000–0930, 1145–2200 |
| TOWY | 2 | 0015 1200 |
| TOWS | 2 | 0015 1200 |
| WEST | 2 | 0015 1200 |
| TVAW | 6 | 0015 0030 0045 0100 1045 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 | 0000–0245 0500–2345 | 8.0 | TM100 100m Temp. values in error (wiring error) |
| | ERR | 0900–0945 | 96.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| | OK | | 100.0 | Other |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

None

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Thursday, November 7, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 88 0030–0415, 0600–2345

TOWS 0

WEST 0

TVAW 46 0015–0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0845 0915 0945 1015 1045 1115 1145
1215 1245 1315 1345 1530 1600 1630 1700 1730 1800 1830 1900 1930 2000 2030 2100 2130 2200 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 | 0000–0045 0200–1945 2300–2345 | 16.0 | TM100 100m Temp. values in error (wiring error) |
| | ERR | 2000–2245 | 88.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| | OK | | 100.0 | Other |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

None

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Friday, November 8, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

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

| <i>Site</i> | <i>No.</i> | <i>Time Ranges</i> |
|-------------|------------|----------------------------------------------|
| TOWA | 0 | |
| TOWB | 0 | |
| TOWC | 0 | |
| TOWK | 0 | |
| TOWL | 0 | |
| TOWM | 0 | |
| M115 | 24 | 0000-0545 |
| M222 | 15 | 0000-0545 |
| TOWY | 0 | |
| TOWS | 0 | |
| WEST | 0 | |
| TVAW | 9 | 0015 0030 0045 0100 0130 0200 0230 0300 0530 |

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

| <i>Site</i> | <i>Status</i> | <i>Time Ranges</i> | <i>Pct Recovery</i> | <i>Special Notes</i> |
|-------------|---------------|-------------------------------------|---------------------|-----------------------------------------------------------------|
| Tower A | OK | | 100.0 | |
| Tower B | OK | | 100.0 | Other |
| Tower C | ERR | 0000-0845 1000-1045 1200-2345 | 8.0 | TM100 100m Temp. values in error (wiring error) |
| | ERR | 0000-0445 0600-0845 1800-2145 | 50.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| | OK | | 100.0 | Other |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

None

Oak Ridge Reservation
Daily Meteorological Tower Status Report for:
Saturday, November 9, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL
 Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 | 96 | 0000-2345 | | | | | | | | | | | | | | | | | | | | |
| TOWY | 1 | 0015 | | | | | | | | | | | | | | | | | | | | |
| TOWS | 2 | 0015 1730 | | | | | | | | | | | | | | | | | | | | |
| WEST | 1 | 0015 | | | | | | | | | | | | | | | | | | | | |
| TVAW | 34 | 0000-0100 0615 0645 0715 0815 0845 0915 0945 1015 1045 1115 1145 1215 1245 1315 1415 1445 1515 1545 1615 1645 1715 1745 1815 2000 2030 2100 2200 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 | 0000-1845 2000-2345 | 4.0 TM100 | 100m Temp. values in error (wiring error) |
| | ERR | 0100-0345 0500-0545 0700-0945 2100-2245 | 64.0 WS30 | 30m Wind Speed values anomalously low (threshold error) |
| | OK | | 100.0 Other | |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes
 None

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Sunday, November 10, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 72 0000–1845, 2030, 2115, 2245, 2330
TOWY 1 0015
TOWS 2 0015 1415
WEST 1 0015
TVAW 21 0015–0100 0130 0200 0230 0300 0330 0400 0430 0500 0530 0600 0630 0700 0730 0800 0830 0930 1000

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

| <i>Site</i> | <i>Status</i> | <i>Time Ranges</i> | <i>Pct Recovery</i> | <i>Special Notes</i> |
|-------------|---------------|--------------------|---------------------|--------------------------------------------------------------|
| Tower A | OK | | 100.0 | |
| Tower B | OK | | 100.0 | Other |
| Tower C | ERR | 0000–2345 | 0.0 | TM100 100m Temp. values in error (wiring error) |
| | ERR | 0200–0245 | 84.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| | | 0600–0845 | | |
| | 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, November 11, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

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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 | 61 | 0245-1130, 1215-1245 1430 1500-1515 1530-1545 1615-1630 1645-1815 1845 2000-2045 2100-2345 |
| TOWY | 0 | |
| TOWS | 1 | 1015 |
| WEST | 0 | |
| TVAW | 26 | 0015-1115 1145 1245 1315 1345 1415 1445 1515 1545 1615 1645 1715 1745 1815 1845 1915 1945 2015 2045 2115 2300 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 | 0400-2345 | 16.0 | TM100 100m Temp. values in error (wiring error) |
| Tower C | ERR | 0700-0845 | 71.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| | | 1800-2045 | | |
| | | 2200-2345 | | |
| | 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:

Tuesday, November 12, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

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

Site No. Time Ranges

TOWB 1 2345

TOWC 1 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000–2345

M222 71 0000–0745, 0900–2330

TOWY 1 0015

TOWS 1 0015

WEST 1 0015

TVAW 26 0015–0100 0130 0200 0230 0300 0330 0400 0430 0500 0530 0600 0630 0700 0730 0800 0830 0900 0930 1000 1030
1100 1130 1200

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

| <i>Site</i> | <i>Status</i> | <i>Time Ranges</i> | <i>Pct Recovery</i> | <i>Special Notes</i> |
|-------------|---------------|--------------------|---------------------|--------------------------------------------------------------|
| Tower A | OK | | 100.0 | |
| Tower B | OK | | 100.0 | Other |
| Tower C | ERR | 0000–2345 | 0.0 | TM100 100m Temp. values in error (wiring error) |
| Tower C | ERR | 0000–0245 | 88.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| | OK | | 100.0 | Other |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

AM Arctic Cold Front; Snow Flurries around noon

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Wednesday, November 13, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

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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 89 0000-0030, 0100-0130, 0200-0230, 0300-0300, 0400-0430, 0500-0530, 0600-0730, 0800-2345

TOWY 1 0300

TOWS 0

WEST 0

TVAW 23 0015-0100 1415 1445 1515 1545 1615 1645 1715 1745 1815 1845 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 | 0000-0945 1100-1645 1800-2345 | 8.0 TM100 | 100m Temp. values in error (wiring error) |
| Tower C | ERR | 0600-0745 1900-2345 | 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

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Thursday, November 14, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 96 0000-2345

TOWY 0

TOWS 0

WEST 0

TVAW 37 0015-0115 0145 0215 0245 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 1700 1830 1900

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

| <i>Site</i> | <i>Status</i> | <i>Time Ranges</i> | <i>Pct Recovery</i> | <i>Special Notes</i> |
|-------------|---------------|--------------------------------------------------|---------------------|---------------------------------------------------------|
| Tower A | OK | | 100.0 | |
| Tower B | OK | | 100.0 Other | |
| Tower C | ERR | 0000-2345 | 0.0 TM100 | 100m Temp. values in error (wiring error) |
| Tower C | ERR | 0100-0445 0700-1045 1800-2045 2200-2245 | 50.0 WS30 | 30m Wind Speed values anomalously low (threshold error) |
| Tower C | ERR | 1000-1045 | 96.0 WS100 | 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, November 15, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 | 96 | 0000–2345 |
| TOWY | 1 | 0015 |
| TOWS | 2 | 0015 2045 |
| WEST | 1 | 0015 |
| TVAW | 5 | 0015 0030 0045 0100 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 | 0000–2045 2200–2245 | 8.0 | TM100 100m Temp. values in error (wiring error) |
| Tower C | ERR | 0000–0145 0700–0745 1200–1345 2100–2145 | 75.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| Tower C | ERR | 1200–1245 | 96.0 | WS100 30m Wind Speed values anomalously low (threshold error) |
| Tower C | 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, November 16, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 96 0000-2345
TOWY 1 0015
TOWS 1 0015
WEST 1 0015
TVAW 30 0015-0100 0500 0700 0730 0800 0830 0900 0930 1000 1030 1100 1130 1200 1230 1300 1330 1400 1430 1500 1530
1600 1630 1700 1730 1800 1830 1900

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 | 0000-1145 1300-1645 1800-2345 | 8.0 | TM100 100m Temp. values in error (wiring error) |
| Tower C | ERR | 0000-0245 0500-0945 1100-1245 | 58.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| Tower C | ERR | 0100-0145 0600-0645 0900-0945 1100-1245 | 80.0 | WS100 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**Heavy AM Fog*

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Sunday, November 17, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 96 0000-2345
TOWY 0
TOWS 0
WEST 0
TVAV 14 0015 0030 0045 0100 0445 0515 0545 0615 0645 0715 0745 0845 1045 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 (wiring error) |
| Tower C | ERR | 0100-0145 0500-0545 0700-1045 | 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

Late PM heavy showers

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Monday, November 18, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 | 18 | 0015 | 0015 | 0030 | 0045 | 0100 | 0115 | 0130 | 0145 | 0200 | 0215 | 0230 | 0245 | 0300 | 0315 | 0330 | 0345 | 0400 | 0415 |
| M222 | 18 | 0015 | 0015 | 0030 | 0045 | 0100 | 0115 | 0130 | 0145 | 0200 | 0215 | 0230 | 0245 | 0300 | 0315 | 0330 | 0345 | 0400 | 0415 |
| TOWY | 1 | 0015 | | | | | | | | | | | | | | | | | |
| TOWS | 1 | 0015 | | | | | | | | | | | | | | | | | |
| WEST | 1 | 0015 | | | | | | | | | | | | | | | | | |
| TVAW | 4 | 0015 | 0030 | 0045 | 0100 | | | | | | | | | | | | | | |

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 | 0000-0345 0500-1545 1700-2345 | 8.0 | TM100 100m Temp. values in error (wiring error) |
| | OK | | 100.0 | Other |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

None

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Tuesday, November 19, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 | 96 | 0000-2345 | | | | | | | | | | | | | | | | | |
| TOWY | 0 | | | | | | | | | | | | | | | | | | |
| TOWS | 0 | | | | | | | | | | | | | | | | | | |
| WEST | 0 | | | | | | | | | | | | | | | | | | |
| TVAV | 18 | 0015 0030 0045 0100 0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 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 (wiring error) |
| | OK | | 100.0 Other | |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

None

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Wednesday, November 20, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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

Site No. Time Ranges

TOWA 1 2345

TOWB 1 2345

TOWC 2 0615 2345

TOWK 1 2345

TOWL 1 2345

TOWM 1 2345

M115 96 0000–2345

M222 96 0000–2345

TOWY 0

TOWS 0

WEST 0

TVAW 32 0015 0030 0045 0100 0630 0730 0800 0830 0900 0930 1000 1100 1130 1230 1300 1330 1400 1430 1500 1530 1600
1630 1700 1730 1800 2045 2115 2145 2215 2245 2315 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 0000-1045 8.0 TM100 100m Temp. values in error (wiring error)
1200-1745
1900-2345

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:
Thursday, November 21, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL
Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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

| Site | No. | Time Ranges |
|------|-----|---------------------------------------------------------------------------------------------------------------|
| TOWA | 1 | 2345 |
| TOWB | 1 | 2345 |
| TOWC | 2 | 1115 2345 |
| TOWK | 1 | 2345 |
| TOWL | 1 | 2345 |
| TOWM | 1 | 2345 |
| M115 | 96 | 0000-2345 |
| M222 | 74 | 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 |
| | | 0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 |
| | | 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 1945 2000 2015 2030 2045 |
| | | 2100 2115 2130 2200 2215 2230 2300 2315 2330 |
| TOWY | 3 | 1715 1730 1745 |
| TOWS | 4 | 1145 1715 1730 1745 |
| WEST | 3 | 1715 1730 1745 |
| TVAV | 18 | 0015 0030 0045 0100 0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0915 |

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 | 0100-1645 1800-2345 | 8.0 TM100 | 100m Temp. values in error (wiring error) |
| Tower C | ERR | 1400-1445 1700-1845 2200-2345 | 80.0 WS30 | 30m Wind Speed values anomalously low (threshold error) |
| Tower C | ERR | 0100-0145 | 96.0 WS100 | 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, November 22, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 80 0015 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630
0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400
1415 1430 1500 1515 1530 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 1 0015
TOWS 1 0015
WEST 1 0015
TVAW 22 0015 0030 0045 0100 1030 1100 1130 1200 1230 1300 1330 1400 1430 1500 1530 1600 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 (wiring error) |
| Tower C | ERR | 0000-0045 | 96.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| 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 evening Cold front passage; AM fog

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Saturday, November 23, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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

Site No. Time Ranges

TOWA 1 2345
TOWB 1 2345
TOWC 2 1215 2345
TOWK 1 2345
TOWL 1 2345
TOWM 1 2345
M115 96 0000-2345
M222 78 0015 0015 0030 0045 0100 0115 0130 0145 0200 0215 0230 0245 0300 0315 0330 0345 0400 0415 0430 0445 0500
0515 0530 0600 0615 0630 0645 0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200
1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915
1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330
TOWY 1 0015
TOWS 3 0015 0530 0800
WEST 1 0015
TVAW 28 0015 0030 0045 0100 0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915
0945 1015 1045 1930 2130 2200 2230

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

| <i>Site</i> | <i>Status</i> | <i>Time Ranges</i> | <i>Pct Recovery</i> | <i>Special Notes</i> |
|-------------|---------------|------------------------|---------------------|----------------------------------------------------|
| Tower A | OK | | 100.0 | |
| Tower B | OK | | 100.0 | Other |
| Tower C | ERR | 0000-1245 1700-1745 | 42.0 | TM100 100m Temp. values in error (wiring error) |
| 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

PM Arctic Cold Front/Air Mass

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Sunday, November 24, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 72 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630
0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400
1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115
2130 2200 2215 2230 2245 2300 2315
TOWY 4 2215 2245 2300 2315
TOWS 6 0000 1215 2145 2245 2300 2315
WEST 4 2215 2245 2300 2315
TVAW 4 0015 0030 0045 0100

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 | 2200-2245 | 96.0 | TM100 100m Temp. values in error (wiring error) |
| 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, November 25, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 84 0015 0030 0045 0100 0115 0115 0145 0145 0215 0215 0245 0245 0315 0315 0345 0345 0415 0415 0445 0445 0515
0515 0545 0545 0615 0615 0645 0645 0715 0715 0745 0745 0815 0815 0845 0845 0915 0915 0945 0945 1000 1015 030
1045 1100 1115 1130 1200 1215 1230 1300 1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1645 1700 1715
1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330
TOWY 41 0015 0030 0045 0100 0115 0115 0145 0145 0215 0215 0245 0245 0315 0315 0345 0345 0415 0415 0445 0445 0515
0515 0545 0545 0615 0615 0645 0645 0715 0715 0745 0745 0815 0815 0845 0845 0915 0915 0945 1700 1715
TOWS 41 0015 0030 0045 0100 0115 0115 0145 0145 0215 0215 0245 0245 0315 0315 0345 0345 0415 0415 0445 0445 0515
0515 0545 0545 0615 0615 0645 0645 0715 0715 0745 0745 0815 0815 0845 0845 0915 0915 0945 1700 1715
WEST 41 0015 0030 0045 0100 0115 0115 0145 0145 0215 0215 0245 0245 0315 0315 0345 0345 0415 0415 0445 0445 0515
0515 0545 0545 0615 0615 0645 0645 0715 0715 0745 0745 0815 0815 0845 0845 0915 0915 0945 1700 1715
TVAW 26 0015 0030 0045 0100 0115 0145 0215 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915
0945 1015 1045 1145 1630

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 | 0500-0645 0900-1545 | 62.0 | TM100 100m Temp. values in error (wiring error) |
| Tower C | ERR | 1100-1145 | 96.0 | WS30 30m Wind Speed values anomalously low (threshold error) |
| Tower C | ERR | 1100-1145 | 96.0 | WS100 100m Wind Speed Values anomalously low (threshold error) |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

Late PM Rain/ Trace of Freezing Rain

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Tuesday, November 26, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 74 0000 0015 0030 0100 0115 0130 0145 0200 0215 0230 0245 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600
0615 0630 0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300
1315 1330 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000
2015 2030 2100 2115 2130 2200 2215 2230 2300 2315 2330
TOWY 0
TOWS 1 0945
WEST 0
TVAW 25 0015 0030 0045 0100 0430 1400 1430 1500 1530 1600 1630 1700 1730 1800 1830 1900 1930 2000 2030 2100 2130
2200 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 | 0200-0245 0900-1045 1800-2145 | 67.0 | TM100 100m Temp. values in error (wiring error) |
| Tower C | ERR | 0100-0745 | 71.0 | WS30 30m Wind Speed values in error (ice on instrument) |
| Tower C | ERR | 0100-0745 | 71.0 | WS100 100m Wind Speed Values in error (ice on instrument) |
| Tower K | ERR | 0300-0445 | 92.0 | WD60 60m Wind Direction values in error (ice on instrument) |
| | ERR | 0200-0345 | 92.0 | WD60 60m Wind Direction values in error (ice on instrument) |
| | OK | | 100.0 | Other |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

Early AM Freezing Rain

Tower C 100m Wind vane froze up from 0100-0745 hrs; similar issues at Tower K 60 m wind vane from 0200-0445 hrs.

Oak Ridge Reservation**Daily Meteorological Tower Status Report for:****Wednesday, November 27, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527**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 | 72 | 0000 | 0015 | 0030 | 0100 | 0115 | 0130 | 0200 | 0215 | 0230 | 0300 | 0315 | 0330 | 0400 | 0415 | 0430 | 0500 | 0515 | 0530 | 0600 | 0615 | 0630 |
| | | 0700 | 0715 | 0730 | 0800 | 0815 | 0830 | 0900 | 0915 | 0930 | 1000 | 1015 | 1030 | 1100 | 1115 | 1130 | 1200 | 1215 | 1230 | 1300 | 1315 | 1330 |
| | | 1400 | 1415 | 1430 | 1500 | 1515 | 1530 | 1600 | 1615 | 1630 | 1700 | 1715 | 1730 | 1800 | 1815 | 1830 | 1900 | 1915 | 1930 | 2000 | 2015 | 2030 |
| | | 2100 | 2115 | 2130 | 2200 | 2215 | 2230 | 2300 | 2315 | 2330 | | | | | | | | | | | | |
| TOWY | 0 | | | | | | | | | | | | | | | | | | | | | |
| TOWS | 0 | | | | | | | | | | | | | | | | | | | | | |
| WEST | 0 | | | | | | | | | | | | | | | | | | | | | |
| TVAW | 26 | 0015 | 0030 | 0045 | 0100 | 0130 | 0200 | 0415 | 0445 | 0515 | 0545 | 0615 | 0645 | 0715 | 0745 | 0815 | 0845 | 0915 | 0945 | 1030 | 1045 | 1115 |
| | | 1145 | 1215 | 1245 | 1315 | 1345 | | | | | | | | | | | | | | | | |

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 | 1000-1845 2100-2145 | 58.0 | TM100 100m Temp. values in error (wiring error) |
| | OK | | 100.0 | Other |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes

AM Snowfall of 0.5 inches in Oak Ridge and at ORNL from about 0100-0645 hrs (0.6 inches in Karns)

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Thursday, November 28, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 | 72 | 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 | | | | | | | | | | | | | | | | | | | | |
| | | 0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 | | | | | | | | | | | | | | | | | | | | |
| | | 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 | | | | | | | | | | | | | | | | | | | | |
| | | 2100 2115 2130 2200 2215 2230 2300 2315 2330 | | | | | | | | | | | | | | | | | | | | |
| TOWY | 1 | 0645 | | | | | | | | | | | | | | | | | | | | |
| TOWS | 3 | 0645 1745 2145 | | | | | | | | | | | | | | | | | | | | |
| WEST | 2 | 0645 2145 | | | | | | | | | | | | | | | | | | | | |
| TVAW | 13 | 0015 0030 0045 0100 0830 1530 1600 1630 1700 1730 1800 2300 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 | 0200–0245 0900–1045 1800–2345 | 62.0 | TM100 100m Temp. values in error (wiring error) |
| Tower C | ERR | 0500–0545 1800–2345 | 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

**Oak Ridge Reservation
Daily Meteorological Tower Status Report for:
Friday, November 29, 2013**

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL
Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 | 72 | 0000 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 | | | | | | | | | | | | | | | | | | | |
| | | 0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 | | | | | | | | | | | | | | | | | | | |
| | | 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 | | | | | | | | | | | | | | | | | | | |
| | | 2100 2115 2130 2200 2215 2230 2300 2315 2330 | | | | | | | | | | | | | | | | | | | |
| TOWY | 0 | | | | | | | | | | | | | | | | | | | | |
| TOWS | 0 | | | | | | | | | | | | | | | | | | | | |
| WEST | 0 | | | | | | | | | | | | | | | | | | | | |
| TVAW | 28 | 0015 0030 0045 0100 0245 0315 0345 0415 0445 0515 0545 0615 0645 0715 0745 0815 0845 0915 0945 1015 1045 | | | | | | | | | | | | | | | | | | | |
| | | 1115 1145 1215 1245 1315 1345 1445 | | | | | | | | | | | | | | | | | | | |

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

| <i>Site</i> | <i>Status</i> | <i>Time Ranges</i> | <i>Pct Recovery</i> | <i>Special Notes</i> |
|-------------|---------------|-------------------------------------|---------------------|---------------------------------------------------------|
| Tower A | OK | | 100.0 | |
| Tower B | OK | | 100.0 Other | |
| Tower C | ERR | 0000-0645 0900-1645 2000-2345 | 20.0 TM100 | 100m Temp. values in error (wiring error) |
| Tower C | ERR | 0000-0745 1800-1845 | 67.0 WS30 | 30m Wind Speed values anomalously low (threshold error) |
| | OK | | 100.0 Other | |
| Tower K | OK | | 100.0 | |
| Tower L | OK | | 100.0 | |
| Tower M | OK | | 100.0 | |
| Tower S | OK | | 100.0 | |
| Tower W | OK | | 100.0 | |
| Tower Y | OK | | 100.0 | |

Communication/Weather Notes
None

Oak Ridge Reservation

Daily Meteorological Tower Status Report for:

Saturday, November 30, 2013

Compiled by KR Birdwell, Bldg 4500S, Room S238, MS6113, CSM/CSED, ORNL

Email birdwellkr@ornl.gov, Phone: Office 865.241.8085 Cell 865.310.1527

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 | 73 | 0015 0015 0030 0100 0115 0130 0200 0215 0230 0300 0315 0330 0400 0415 0430 0500 0515 0530 0600 0615 0630 | | | | | | | | | | | | | | | | | | | | |
| | | 0700 0715 0730 0800 0815 0830 0900 0915 0930 1000 1015 1030 1100 1115 1130 1200 1215 1230 1300 1315 1330 | | | | | | | | | | | | | | | | | | | | |
| | | 1400 1415 1430 1500 1515 1530 1600 1615 1630 1700 1715 1730 1800 1815 1830 1900 1915 1930 2000 2015 2030 | | | | | | | | | | | | | | | | | | | | |
| | | 2100 2115 2130 2200 2215 2230 2245 2300 2315 2330 | | | | | | | | | | | | | | | | | | | | |
| TOWY | 1 | 0015 | | | | | | | | | | | | | | | | | | | | |
| TOWS | 2 | 0015 0315 | | | | | | | | | | | | | | | | | | | | |
| WEST | 1 | 0015 | | | | | | | | | | | | | | | | | | | | |
| TVAW | 20 | 0015 0030 0045 0100 0130 0230 1400 1430 1500 1530 1600 1630 1700 1730 1800 1900 2000 2030 2100 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 (wiring error) |
| Tower C | ERR | 0000–0145 0600–0645 0900–1045 1800–2245 | 58.0 WS30 | 30m Wind Speed values anomalously low (threshold error) |
| | ERR | 1000–1045 | 96.0 WS100 | 100m 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