

Daily Summary Report

Site: ORNL Sodar

4/8/2018

Interval: 015m

| | 04_WS060m | 05_WDir060m | 06_WS100m | 07_WDir100m | 08_WS140m | 09_WDir140m | 10_WS180m | 11_WDir180m | 12_WS240m |
|-------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Hour | M/SEC | DEG | M/SEC | DEG | KPH | DEG | M/SEC | DEG | M/SEC |
| 00:00 | .2 | 193.9 | .5 | 24.7 | .9 | 27.1 | .8 | 53.0 | -999.9 |
| 00:15 | .2 | 191.1 | .7 | 24.2 | 1.4 | 22.4 | .9 | 60.0 | -999.9 |
| 00:30 | .1 | 181.3 | .5 | 26.7 | .8 | 54.3 | 1.0 | 69.3 | -999.9 |
| 00:45 | .3 | 167.2 | .3 | 51.9 | .8 | 74.0 | 1.1 | 66.0 | -999.9 |
| 01:00 | .5 | 147.9 | .6 | 21.2 | .9 | 90.2 | 1.2 | 62.0 | -999.9 |
| 01:15 | .6 | 132.6 | .5 | 42.1 | 1.0 | 62.6 | 1.2 | 60.5 | -999.9 |
| 01:30 | .6 | 144.3 | .3 | 45.1 | 1.3 | 36.1 | 1.2 | 61.0 | -999.9 |
| 01:45 | 2.1 | 163.4 | .7 | 178.1 | 1.3 | 35.0 | 1.2 | 61.0 | -999.9 |
| 02:00 | 2.3 | 153.5 | .3 | 162.2 | 1.2 | 34.0 | 1.2 | 62.0 | -999.9 |
| 02:15 | 1.0 | 111.4 | .7 | 3.9 | 1.2 | 33.1 | 1.1 | 62.0 | -999.9 |
| 02:30 | .8 | 125.1 | 1.0 | 13.2 | 2.3 | 15.8 | 1.1 | 63.0 | -999.9 |
| 02:45 | .8 | 134.4 | .4 | 14.9 | 1.4 | 24.6 | 1.0 | 64.0 | -999.9 |
| 03:00 | .9 | 124.7 | .3 | 70.1 | .8 | 59.5 | 1.0 | 64.5 | -999.9 |
| 03:15 | 1.1 | 108.0 | .3 | 50.8 | .9 | 69.3 | 1.1 | 53.4 | -999.9 |
| 03:30 | .9 | 105.3 | .3 | 71.7 | 1.1 | 50.6 | 1.5 | 48.0 | -999.9 |
| 03:45 | .6 | 111.3 | .5 | 34.4 | 1.4 | 38.0 | 2.0 | 44.0 | -999.9 |
| 04:00 | .5 | 103.6 | .5 | 15.0 | 1.1 | 47.3 | 3.0 | 38.0 | -999.9 |
| 04:15 | .7 | 105.2 | .2 | 60.1 | 1.4 | 67.7 | 4.0 | 32.6 | -999.9 |
| 04:30 | .5 | 105.4 | .5 | 87.9 | 2.1 | 74.8 | 3.1 | 69.2 | -999.9 |
| 04:45 | .6 | 103.0 | .5 | 66.8 | 1.8 | 78.6 | 2.8 | 81.0 | -999.9 |
| 05:00 | .9 | 82.0 | .3 | 108.6 | 1.4 | 86.4 | 2.5 | 85.1 | 3.4 |
| 05:15 | .9 | 72.1 | .4 | 126.9 | 1.5 | 84.8 | 2.7 | 80.4 | 3.6 |
| 05:30 | .7 | 88.5 | 1.0 | 67.8 | 2.2 | 63.5 | 3.4 | 62.7 | 4.8 |
| 05:45 | .5 | 118.1 | 1.3 | 63.2 | 2.5 | 49.2 | 3.9 | 46.8 | 5.6 |
| 06:00 | .5 | 125.7 | 1.2 | 62.9 | 2.6 | 48.4 | 3.7 | 46.4 | 5.4 |
| 06:15 | .6 | 100.3 | 1.5 | 51.2 | 2.9 | 48.8 | 3.9 | 48.4 | 4.4 |
| 06:30 | .7 | 83.5 | 1.2 | 40.8 | 3.1 | 38.4 | 3.9 | 43.2 | 2.5 |
| 06:45 | .6 | 78.4 | .8 | 34.8 | 2.7 | 40.3 | 3.8 | 41.0 | 3.3 |
| 07:00 | 1.3 | 80.1 | 1.3 | 46.1 | 2.6 | 46.9 | 4.0 | 43.3 | 4.5 |
| 07:15 | 1.9 | 86.4 | 1.8 | 54.5 | 3.1 | 48.7 | 4.3 | 46.6 | 4.0 |
| 07:30 | 1.8 | 85.7 | 2.1 | 56.2 | 3.6 | 49.7 | 4.9 | 49.7 | 3.9 |
| 07:45 | 1.8 | 85.7 | 2.0 | 59.6 | 3.4 | 51.4 | 5.4 | 53.7 | 2.9 |
| 08:00 | 2.1 | 90.4 | 1.7 | 65.1 | 3.1 | 58.2 | 5.3 | 58.6 | 3.3 |
| 08:15 | 2.5 | 90.3 | 2.0 | 56.1 | 3.3 | 51.4 | 4.7 | 58.1 | 5.3 |
| 08:30 | 2.6 | 94.6 | 2.0 | 48.7 | 3.3 | 42.1 | 4.3 | 52.4 | 6.5 |
| 08:45 | 2.3 | 91.9 | 1.3 | 62.0 | 2.7 | 58.3 | 4.1 | 51.0 | 6.5 |
| 09:00 | 1.5 | 83.4 | .7 | 76.0 | 2.2 | 63.2 | 3.6 | 48.4 | 6.4 |
| 09:15 | .4 | 84.3 | .4 | 85.3 | 1.4 | 60.6 | 2.3 | 45.2 | 6.2 |
| 09:30 | 1.6 | 83.0 | 1.5 | 96.2 | 2.3 | 74.3 | 2.3 | 63.6 | 5.0 |
| 09:45 | 3.7 | 80.6 | 2.8 | 75.9 | 3.9 | 71.2 | 3.9 | 65.7 | 4.9 |
| 10:00 | 3.0 | 75.5 | 3.2 | 58.4 | 4.2 | 65.3 | 4.5 | 60.1 | 4.8 |
| 10:15 | 2.0 | 48.9 | 3.5 | 51.9 | 3.7 | 56.6 | 3.7 | 51.7 | 4.8 |
| 10:30 | 2.0 | 61.6 | 4.3 | 74.2 | 4.2 | 68.2 | 3.9 | 63.3 | 4.2 |
| 10:45 | 3.4 | 69.9 | 4.2 | 68.2 | 4.4 | 58.7 | 4.8 | 54.1 | 4.4 |
| 11:00 | 3.8 | 68.8 | 3.1 | 58.7 | 3.9 | 48.5 | 4.9 | 46.3 | 4.6 |
| 11:15 | 3.0 | 79.4 | 2.8 | 68.9 | 3.6 | 63.8 | 4.0 | 62.0 | 4.4 |
| 11:30 | 3.0 | 80.9 | 2.9 | 59.0 | 4.1 | 68.0 | 4.1 | 67.9 | 4.6 |
| 11:45 | 2.9 | 76.8 | 3.4 | 68.1 | 4.3 | 73.2 | 4.5 | 72.5 | 4.5 |
| 12:00 | 2.7 | 76.6 | 3.7 | 75.4 | 3.7 | 77.1 | 3.5 | 71.6 | 3.9 |
| 12:15 | 2.5 | 88.3 | 2.5 | 84.4 | 3.1 | 85.4 | 3.4 | 82.3 | 4.1 |

Daily Summary Report

Site: ORNL Sodar

4/8/2018

Interval: 015m

| | 13_WDir240m | 14_WS300m | 15_WDir300m | 16_WS400m | 17_WDir400m | 18_WS500m | 19_WDir500m | 20_WS600m | 21_WDir600m |
|-------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 00:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 00:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 00:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 00:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 01:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 01:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 01:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 01:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 02:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 02:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 02:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 02:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 03:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 03:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 03:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 03:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 04:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 04:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 04:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 04:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 05:00 | 82.8 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 05:15 | 78.0 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 05:30 | 55.5 | 3.5 | 55.6 | .6 | 90.8 | -999.9 | -999.9 | -999.9 | -999.9 |
| 05:45 | 42.7 | 5.3 | 40.2 | .6 | 110.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 06:00 | 40.5 | 4.1 | 30.3 | .7 | 125.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 06:15 | 37.5 | .6 | 117.5 | .8 | 145.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 06:30 | 46.9 | .5 | 131.0 | .9 | 160.8 | -999.9 | -999.9 | -999.9 | -999.9 |
| 06:45 | 44.5 | .6 | 71.6 | 1.2 | 154.7 | -999.9 | -999.9 | -999.9 | -999.9 |
| 07:00 | 39.5 | .7 | 64.6 | .7 | 179.7 | -999.9 | -999.9 | -999.9 | -999.9 |
| 07:15 | 46.8 | 1.3 | 140.4 | .2 | 12.7 | -999.9 | -999.9 | -999.9 | -999.9 |
| 07:30 | 45.0 | 2.1 | 165.2 | 2.0 | 15.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 07:45 | 43.8 | 1.1 | 169.0 | 4.0 | 18.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 08:00 | 64.0 | .7 | 78.5 | 5.0 | 21.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 08:15 | 66.5 | 1.7 | 82.6 | 6.0 | 24.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 08:30 | 52.4 | 3.0 | 70.0 | 7.0 | 27.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 08:45 | 46.0 | 5.0 | 58.0 | 9.5 | 30.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 09:00 | 40.0 | 7.0 | 45.0 | 11.0 | 33.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 09:15 | 30.4 | 8.6 | 31.4 | 12.9 | 37.8 | 15.5 | 40.0 | 16.4 | 35.9 |
| 09:30 | 47.0 | 11.0 | 31.0 | 12.6 | 31.0 | 16.1 | 30.3 | 16.6 | 36.5 |
| 09:45 | 47.0 | 10.0 | 33.0 | -999.9 | -999.9 | 15.7 | 41.0 | -999.9 | -999.9 |
| 10:00 | 47.0 | 8.0 | 37.0 | -999.9 | -999.9 | 15.3 | 31.3 | -999.9 | -999.9 |
| 10:15 | 46.7 | 7.0 | 39.0 | -999.9 | -999.9 | 14.8 | 42.0 | -999.9 | -999.9 |
| 10:30 | 63.3 | 5.3 | 41.8 | -999.9 | -999.9 | 14.4 | 32.3 | -999.9 | -999.9 |
| 10:45 | 61.2 | 5.3 | 44.9 | -999.9 | -999.9 | 14.1 | 43.0 | -999.9 | -999.9 |
| 11:00 | 56.8 | 6.1 | 51.2 | -999.9 | -999.9 | 13.7 | 33.3 | -999.9 | -999.9 |
| 11:15 | 70.4 | 6.0 | 58.0 | -999.9 | -999.9 | 13.3 | 44.0 | -999.9 | -999.9 |
| 11:30 | 73.1 | 5.0 | 65.0 | -999.9 | -999.9 | 12.8 | 34.3 | -999.9 | -999.9 |
| 11:45 | 77.8 | 4.3 | 74.6 | -999.9 | -999.9 | 12.4 | 45.0 | -999.9 | -999.9 |
| 12:00 | 76.2 | 3.4 | 75.4 | 4.3 | 88.3 | 12.1 | 35.3 | -999.9 | -999.9 |
| 12:15 | 81.4 | 3.4 | 80.5 | 4.1 | 85.6 | 11.7 | 46.0 | -999.9 | -999.9 |

| | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 12:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 12:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| Avg | -978.8 | -978.2 | -999.9 | -999.9 | -999.9 | -999.9 |
| Max | 15.6 | 43.7 | -999.9 | -999.9 | -999.9 | -999.9 |
| Hr. of Max | 37 | 37 | 95 | 95 | 95 | 95 |
| Min | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| Count | 96 | 96 | 96 | 96 | 96 | 96 |
| Total | | | | | | |