

Daily Summary Report

Site: ORNL Sodar

12/28/2019

Interval: 015m

| | 03_WS060m | 04_WD060m | 05_WS100m | 06_WD100m | 07_WS140m | 08_WD140m | 09_WS180m | 10_WD180m | 11_WS240m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG | KPH | DEG | M/SEC | DEG | M/SEC |
| 00:00 | 1.0 | 285.0 | .9 | 51.0 | 1.5 | 53.0 | 1.5 | 65.0 | .6 |
| 00:15 | .5 | 291.7 | 1.0 | 52.1 | 1.9 | 48.6 | 2.0 | 63.9 | .9 |
| 00:30 | 1.1 | 273.7 | 1.1 | 44.4 | 2.1 | 41.9 | 2.1 | 54.2 | 1.7 |
| 00:45 | 1.4 | 271.7 | 1.5 | 60.8 | 2.6 | 48.0 | 2.2 | 53.5 | 1.7 |
| 01:00 | 1.8 | 273.1 | 2.2 | 68.0 | 2.8 | 53.9 | 2.2 | 61.1 | 1.4 |
| 01:15 | 1.5 | 82.6 | 2.7 | 66.6 | 3.0 | 57.2 | 2.5 | 67.6 | 2.1 |
| 01:30 | 2.6 | 83.5 | 2.7 | 69.0 | 2.9 | 62.3 | 2.2 | 70.7 | 2.1 |
| 01:45 | 1.3 | 71.5 | 2.6 | 70.9 | 2.9 | 64.9 | 1.4 | 66.8 | 1.1 |
| 02:00 | 1.8 | 72.2 | 2.8 | 72.9 | 3.3 | 66.9 | 1.9 | 67.7 | .9 |
| 02:15 | 1.9 | 69.9 | 2.6 | 70.3 | 3.3 | 70.4 | 2.3 | 75.6 | 1.4 |
| 02:30 | 1.8 | 72.4 | 2.4 | 61.9 | 3.6 | 67.3 | 3.2 | 75.5 | 1.7 |
| 02:45 | 2.0 | 79.8 | 2.5 | 61.4 | 3.7 | 59.4 | 3.9 | 66.1 | 1.9 |
| 03:00 | 2.4 | 76.2 | 2.9 | 61.2 | 4.1 | 56.9 | 4.3 | 64.0 | 3.0 |
| 03:15 | 2.6 | 75.9 | 3.5 | 60.3 | 4.6 | 58.9 | 4.5 | 68.4 | 3.6 |
| 03:30 | 2.5 | 77.5 | 3.9 | 66.9 | 5.1 | 59.8 | 5.3 | 66.4 | 4.0 |
| 03:45 | 2.9 | 76.5 | 4.2 | 69.7 | 5.6 | 60.9 | 6.0 | 67.9 | 5.0 |
| 04:00 | 2.7 | 75.2 | 4.6 | 65.0 | 5.9 | 62.1 | 6.3 | 69.2 | 5.0 |
| 04:15 | 2.4 | 73.4 | 5.0 | 63.8 | 5.9 | 59.6 | 6.4 | 67.4 | 4.8 |
| 04:30 | 2.2 | 75.3 | 4.6 | 64.3 | 5.3 | 57.0 | 5.8 | 66.0 | 4.6 |
| 04:45 | 1.9 | 76.6 | 3.9 | 63.2 | 4.9 | 55.0 | 5.5 | 66.3 | 4.4 |
| 05:00 | 1.8 | 74.4 | 3.6 | 61.7 | 4.7 | 58.9 | 5.4 | 71.0 | 5.4 |
| 05:15 | 2.4 | 81.8 | 3.4 | 62.4 | 5.0 | 65.6 | 5.6 | 76.1 | 6.5 |
| 05:30 | 1.5 | 74.2 | 3.4 | 66.6 | 5.5 | 66.4 | 5.7 | 77.7 | 7.0 |
| 05:45 | 1.2 | 50.9 | 3.7 | 64.6 | 5.4 | 61.7 | 5.5 | 73.6 | 6.5 |
| 06:00 | 2.2 | 66.5 | 3.3 | 57.9 | 5.0 | 55.7 | 5.8 | 65.9 | 6.2 |
| 06:15 | 2.8 | 66.8 | 3.1 | 54.7 | 5.1 | 54.8 | 6.1 | 63.4 | 6.5 |
| 06:30 | 2.9 | 60.1 | 3.7 | 51.5 | 5.8 | 52.5 | 6.5 | 61.3 | 7.0 |
| 06:45 | 3.3 | 60.3 | 4.3 | 54.6 | 6.1 | 52.5 | 7.0 | 60.1 | 7.5 |
| 07:00 | 2.8 | 61.3 | 4.3 | 56.5 | 5.8 | 52.1 | 7.2 | 59.6 | 7.7 |
| 07:15 | 2.3 | 60.6 | 3.8 | 54.4 | 5.4 | 50.9 | 7.0 | 58.1 | 7.4 |
| 07:30 | 2.3 | 60.8 | 3.5 | 56.4 | 5.4 | 51.8 | 6.6 | 56.6 | 6.9 |
| 07:45 | 2.8 | 68.2 | 3.9 | 61.3 | 5.9 | 53.1 | 6.9 | 55.8 | 7.1 |
| 08:00 | 4.8 | 78.8 | 3.8 | 67.5 | 5.8 | 55.4 | 7.2 | 56.7 | 7.3 |
| 08:15 | 5.0 | 79.5 | 3.7 | 68.3 | 5.7 | 56.9 | 7.2 | 58.4 | 7.6 |
| 08:30 | 3.0 | 76.5 | 3.9 | 67.0 | 5.9 | 56.9 | 7.1 | 61.4 | 7.7 |
| 08:45 | 1.4 | 75.5 | 3.5 | 69.5 | 5.5 | 57.3 | 6.5 | 62.3 | 7.5 |
| 09:00 | 1.7 | 82.9 | 2.7 | 75.3 | 4.8 | 59.4 | 5.9 | 62.4 | 7.3 |
| 09:15 | 1.6 | 82.0 | 2.2 | 77.3 | 4.2 | 61.5 | 5.4 | 61.2 | 6.7 |
| 09:30 | 1.5 | 82.0 | 2.2 | 79.6 | 3.8 | 64.7 | 5.0 | 60.2 | 6.1 |
| 09:45 | 1.5 | 82.0 | 2.3 | 78.8 | 3.7 | 64.6 | 5.0 | 62.1 | 5.8 |
| 10:00 | 1.4 | 81.0 | 2.7 | 66.8 | 4.3 | 61.1 | 5.3 | 65.0 | 5.6 |
| 10:15 | 1.4 | 81.1 | 3.0 | 56.7 | 4.6 | 56.9 | 5.8 | 64.3 | 5.6 |
| 10:30 | 1.8 | 81.3 | 3.3 | 56.8 | 4.8 | 56.8 | 6.0 | 61.9 | 5.7 |
| 10:45 | 2.3 | 77.3 | 3.5 | 61.5 | 4.9 | 62.0 | 5.8 | 63.6 | 5.8 |
| 11:00 | 2.7 | 82.9 | 3.1 | 68.8 | 4.5 | 68.3 | 4.9 | 67.3 | 5.3 |
| 11:15 | 2.4 | 86.4 | 2.3 | 75.6 | 3.6 | 71.5 | 4.0 | 69.6 | 4.6 |
| 11:30 | 1.6 | 82.7 | 2.8 | 71.9 | 3.0 | 72.4 | 3.4 | 68.7 | 4.4 |
| 11:45 | 1.8 | 93.9 | 3.3 | 72.7 | 3.1 | 72.1 | 3.3 | 66.4 | 4.3 |
| 12:00 | 1.1 | 93.3 | 1.9 | 79.0 | 2.3 | 73.8 | 2.6 | 67.9 | 3.1 |
| 12:15 | 1.1 | 87.1 | 1.4 | 87.9 | 2.1 | 81.3 | 2.4 | 76.5 | 2.2 |
| 12:30 | 1.4 | 92.3 | 1.8 | 89.3 | 2.0 | 83.3 | 2.1 | 78.1 | 1.9 |

Daily Summary Report

Site: ORNL Sodar

12/28/2019

Interval: 015m

| | 12_WD240m | 13_WS300m | 14_WD300m | 15_WS400m | 16_WD400m | 17_WS500m | 18_WD500m | 19_WS600m | 20_WD600m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 00:00 | 50.0 | .2 | 60.0 | .8 | 95.0 | | | | |
| 00:15 | 62.1 | .3 | 37.9 | .8 | 106.7 | | | | |
| 00:30 | 61.7 | .5 | 2.8 | .8 | 90.0 | | | | |
| 00:45 | 58.0 | .4 | 357.5 | .8 | 70.0 | | | | |
| 01:00 | 62.2 | .2 | 148.8 | .8 | 51.0 | | | | |
| 01:15 | 73.1 | .5 | 90.1 | .8 | 33.0 | | | | |
| 01:30 | 74.2 | .6 | 83.9 | .6 | 55.1 | | | | |
| 01:45 | 79.2 | .4 | 77.4 | .3 | 89.9 | | | | |
| 02:00 | 92.2 | .5 | 60.1 | .5 | 105.5 | | | | |
| 02:15 | 91.8 | .4 | 89.9 | .8 | 111.5 | | | | |
| 02:30 | 87.9 | .9 | 88.7 | 1.0 | 106.1 | | | | |
| 02:45 | 83.3 | 1.9 | 81.3 | 1.2 | 98.7 | | | | |
| 03:00 | 81.6 | 2.4 | 81.6 | 1.3 | 93.7 | .2 | 63.7 | | |
| 03:15 | 81.6 | 3.0 | 83.7 | 1.8 | 90.5 | | | | |
| 03:30 | 81.2 | 3.4 | 81.3 | 2.5 | 84.5 | | | | |
| 03:45 | 80.4 | 3.8 | 79.9 | 3.2 | 89.4 | | | | |
| 04:00 | 79.3 | 4.0 | 81.0 | 3.4 | 89.3 | | | | |
| 04:15 | 76.1 | 4.3 | 79.7 | 3.4 | 81.8 | 2.8 | 99.3 | | |
| 04:30 | 75.7 | 4.0 | 81.4 | 2.4 | 85.6 | 1.8 | 102.0 | | |
| 04:45 | 81.8 | 3.7 | 88.7 | 2.0 | 103.7 | 1.8 | 129.6 | | |
| 05:00 | 83.7 | 4.1 | 90.4 | 2.3 | 96.8 | 2.0 | 124.7 | | |
| 05:15 | 85.7 | 4.1 | 89.2 | 2.7 | 93.4 | 2.4 | 113.3 | | |
| 05:30 | 87.8 | 4.1 | 88.7 | 2.5 | 96.2 | 2.7 | 112.4 | | |
| 05:45 | 85.1 | 4.6 | 88.2 | 2.8 | 93.5 | 2.3 | 93.6 | | |
| 06:00 | 79.5 | 5.7 | 87.6 | 4.3 | 96.7 | 4.6 | 82.7 | | |
| 06:15 | 76.2 | 6.3 | 86.3 | 6.0 | 90.0 | 4.2 | 83.0 | | |
| 06:30 | 74.4 | 6.9 | 81.6 | 8.0 | 84.0 | 3.6 | 83.0 | | |
| 06:45 | 74.3 | 7.8 | 81.6 | 9.2 | 77.8 | 3.0 | 84.0 | | |
| 07:00 | 72.5 | 7.4 | 81.3 | 8.9 | 80.0 | 2.3 | 84.1 | | |
| 07:15 | 71.5 | 6.6 | 76.7 | 8.6 | 83.0 | | | | |
| 07:30 | 72.0 | 6.5 | 76.7 | 8.2 | 86.0 | | | | |
| 07:45 | 71.1 | 7.2 | 80.4 | 7.8 | 89.7 | | | | |
| 08:00 | 72.3 | 7.7 | 81.6 | 7.7 | 88.0 | | | | |
| 08:15 | 74.2 | 7.4 | 83.0 | .6 | 87.0 | | | | |
| 08:30 | 77.2 | 7.1 | 85.8 | 7.5 | 86.8 | | | | |
| 08:45 | 77.7 | 7.2 | 86.9 | 7.6 | 89.1 | | | | |
| 09:00 | 78.2 | 7.1 | 88.8 | 6.2 | 91.4 | | | | |
| 09:15 | 79.3 | 7.0 | 89.2 | 6.0 | 92.2 | | | | |
| 09:30 | 77.8 | 7.3 | 88.3 | 6.4 | 96.3 | | | | |
| 09:45 | 78.4 | 7.1 | 87.4 | 6.3 | 102.0 | | | | |
| 10:00 | 77.0 | 7.1 | 84.1 | 5.9 | 103.9 | 5.4 | 111.6 | | |
| 10:15 | 73.9 | 7.0 | 82.0 | 5.4 | 106.1 | 5.6 | 116.6 | | |
| 10:30 | 72.8 | 6.9 | 82.2 | 5.4 | 106.0 | 6.1 | 120.6 | | |
| 10:45 | 73.8 | 7.0 | 83.1 | 5.0 | 106.0 | 5.8 | 124.7 | | |
| 11:00 | 73.7 | 6.2 | 85.3 | 4.4 | 107.8 | 6.3 | 121.5 | | |
| 11:15 | 74.5 | 5.2 | 88.3 | 3.8 | 108.7 | 6.8 | 126.6 | | |
| 11:30 | 73.4 | 5.2 | 90.6 | 3.3 | 113.1 | 7.6 | 135.0 | | |
| 11:45 | 72.2 | 4.9 | 95.1 | 3.5 | 115.8 | 8.5 | 145.0 | | |
| 12:00 | 75.9 | 3.2 | 102.3 | 3.3 | 124.2 | 9.4 | 155.1 | | |
| 12:15 | 78.0 | 2.3 | 98.6 | 3.3 | 121.6 | 9.4 | 156.7 | | |
| 12:30 | 80.6 | 2.2 | 105.0 | 3.4 | 123.8 | 9.8 | 160.0 | | |

Daily Summary Report

Site: ORNL Sodar

12/28/2019

Interval: 015m

| | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG |
| 00:00 | | | | |
| 00:15 | | | | |
| 00:30 | | | | |
| 00:45 | | | | |
| 01:00 | | | | |
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| 11:45 | | | | |
| 12:00 | | | | |
| 12:15 | | | | |
| 12:30 | | | | |

| | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-----------------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG |
| 12:45 | | | | |
| 13:00 | | | | |
| 13:15 | | | | |
| 13:30 | | | | |
| 13:45 | | | | |
| 14:00 | | | | |
| 14:15 | | | | |
| 14:30 | 6.7 | 150.5 | | |
| 14:45 | 6.8 | 157.4 | | |
| 15:00 | 6.3 | 164.5 | 8.4 | 182.4 |
| 15:15 | 6.0 | 160.3 | 8.0 | 171.3 |
| 15:30 | 6.8 | 159.3 | 8.1 | 164.1 |
| 15:45 | 5.5 | 167.8 | 7.6 | 173.4 |
| 16:00 | 5.5 | 166.0 | 7.3 | 172.4 |
| 16:15 | 7.2 | 164.7 | 6.8 | 167.6 |
| 16:30 | 8.0 | 160.8 | 8.5 | 157.2 |
| 16:45 | 8.9 | 167.2 | | |
| 17:00 | 8.6 | 180.5 | | |
| 17:15 | | | | |
| 17:30 | | | | |
| 17:45 | | | | |
| 18:00 | | | | |
| 18:15 | | | | |
| 18:30 | | | | |
| 18:45 | | | | |
| 19:00 | | | | |
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| 22:45 | | | | |
| 23:00 | | | | |
| 23:15 | | | | |
| 23:30 | | | | |
| 23:45 | | | | |
| Avg | 6.9 | 163.0 | 7.8 | 169.0 |
| Max | 8.9 | 180.5 | 8.5 | 182.4 |
| Max Time | 16:45 | 17:00 | 16:30 | 15:00 |
| Min | 5.5 | 150.5 | 6.8 | 157.2 |
| Count | 11 | 11 | 7 | 7 |
| Total | | | | |