

Daily Summary Report

Site: ORNL Sodar

7/12/2018

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 | .7 | 116.9 | 1.8 | 73.7 | 2.5 | 57.8 | 3.6 | 46.1 | 3.2 |
| 00:15 | .4 | 142.5 | 1.3 | 78.9 | 2.2 | 64.4 | 3.1 | 51.8 | 2.8 |
| 00:30 | .1 | 72.8 | 1.1 | 72.8 | 2.0 | 63.1 | 2.7 | 46.4 | 2.8 |
| 00:45 | .2 | 52.1 | 1.4 | 61.6 | 1.8 | 53.4 | 2.8 | 34.4 | 2.8 |
| 01:00 | .3 | 69.1 | 1.6 | 60.7 | 1.4 | 53.6 | 3.2 | 31.4 | 3.9 |
| 01:15 | .4 | 47.9 | 1.6 | 62.6 | 1.3 | 57.1 | 3.2 | 34.7 | 4.8 |
| 01:30 | .3 | 5.3 | 1.2 | 61.3 | 1.3 | 58.0 | 2.8 | 38.9 | 4.6 |
| 01:45 | .2 | 346.2 | 1.0 | 56.9 | 1.6 | 52.1 | 3.3 | 39.5 | 5.3 |
| 02:00 | .3 | 343.0 | 1.0 | 53.1 | 2.0 | 41.7 | 4.2 | 37.8 | 6.2 |
| 02:15 | .4 | 344.7 | .9 | 37.0 | 2.3 | 37.5 | 4.5 | 36.8 | 6.0 |
| 02:30 | .5 | 346.4 | .9 | 18.5 | 2.6 | 36.5 | 4.7 | 35.7 | 5.2 |
| 02:45 | .9 | 17.0 | 1.8 | 41.6 | 3.4 | 37.3 | 5.5 | 33.8 | 4.2 |
| 03:00 | 1.4 | 26.6 | 2.3 | 44.1 | 4.1 | 36.5 | 6.2 | 34.7 | 6.4 |
| 03:15 | 1.0 | 22.4 | 1.8 | 35.2 | 3.7 | 35.3 | 6.0 | 36.0 | 7.8 |
| 03:30 | .9 | 31.1 | 2.0 | 33.1 | 3.9 | 38.2 | 6.1 | 36.6 | 8.6 |
| 03:45 | 1.4 | 51.7 | 2.2 | 42.6 | 4.2 | 40.8 | 6.2 | 38.6 | 8.7 |
| 04:00 | 1.3 | 67.6 | 1.8 | 54.5 | 3.6 | 44.7 | 5.7 | 42.4 | 7.4 |
| 04:15 | .8 | 65.6 | 1.8 | 64.0 | 3.2 | 50.9 | 5.1 | 44.5 | 6.5 |
| 04:30 | 1.3 | 66.3 | 2.4 | 61.8 | 3.8 | 46.7 | 5.6 | 41.5 | 6.4 |
| 04:45 | .9 | 58.0 | 2.1 | 58.0 | 3.8 | 43.8 | 5.7 | 39.2 | 6.1 |
| 05:00 | .9 | 70.0 | 1.6 | 57.1 | 3.4 | 44.4 | 5.3 | 37.3 | 6.0 |
| 05:15 | .8 | 61.7 | 1.7 | 51.4 | 3.6 | 45.1 | 5.3 | 37.2 | 4.7 |
| 05:30 | .9 | 65.7 | 2.0 | 55.2 | 3.9 | 47.9 | 5.5 | 40.5 | 4.7 |
| 05:45 | 1.0 | 77.7 | 1.9 | 65.7 | 3.6 | 50.8 | 5.2 | 42.8 | 7.3 |
| 06:00 | .8 | 88.4 | 1.4 | 74.8 | 3.2 | 58.7 | 4.8 | 48.7 | 6.2 |
| 06:15 | .8 | 74.4 | 1.7 | 65.5 | 3.4 | 56.7 | 5.2 | 49.9 | 6.1 |
| 06:30 | .8 | 67.3 | 2.0 | 60.9 | 3.6 | 50.5 | 5.4 | 45.0 | 9.3 |
| 06:45 | .9 | 85.5 | 1.8 | 63.1 | 3.3 | 52.5 | 5.0 | 45.1 | 7.6 |
| 07:00 | .7 | 91.7 | 1.7 | 66.7 | 3.1 | 53.1 | 5.0 | 46.1 | 6.2 |
| 07:15 | .5 | 87.3 | 1.9 | 59.6 | 3.3 | 48.3 | 5.2 | 44.2 | 6.8 |
| 07:30 | .9 | 78.2 | 2.3 | 61.4 | 3.5 | 52.7 | 4.9 | 47.2 | 6.7 |
| 07:45 | 1.4 | 80.5 | 2.7 | 65.5 | 3.6 | 57.5 | 4.7 | 50.6 | 6.5 |
| 08:00 | 1.3 | 60.1 | 2.8 | 59.3 | 3.9 | 52.0 | 5.0 | 46.4 | 6.9 |
| 08:15 | 1.1 | 53.9 | 2.9 | 52.4 | 4.1 | 46.7 | 5.3 | 45.3 | 7.4 |
| 08:30 | .9 | 99.2 | 2.6 | 58.6 | 4.1 | 53.3 | 5.8 | 55.9 | 7.5 |
| 08:45 | 1.4 | 81.4 | 2.6 | 70.1 | 4.4 | 63.9 | 6.5 | 65.2 | 7.8 |
| 09:00 | 2.4 | 79.5 | 2.6 | 63.9 | 4.5 | 60.5 | 6.8 | 57.5 | 8.5 |
| 09:15 | 2.7 | 79.1 | 3.0 | 64.0 | 4.3 | 58.1 | 5.9 | 54.6 | 7.3 |
| 09:30 | 2.5 | 77.7 | 3.5 | 59.8 | 3.9 | 55.2 | 4.4 | 56.1 | 5.0 |
| 09:45 | 2.0 | 77.0 | 3.0 | 56.1 | 3.2 | 52.8 | 3.6 | 52.3 | 4.1 |
| 10:00 | 1.8 | 67.7 | 2.7 | 44.4 | 3.0 | 43.4 | 3.8 | 41.1 | 3.8 |
| 10:15 | 2.0 | 71.8 | 3.0 | 49.3 | 3.5 | 48.3 | 4.2 | 46.5 | 4.6 |
| 10:30 | 2.1 | 87.0 | 3.1 | 81.8 | 3.7 | 75.7 | 4.3 | 78.1 | 4.7 |
| 10:45 | 2.3 | 85.6 | 3.2 | 91.1 | 3.8 | 86.6 | 4.1 | 92.1 | 4.7 |
| 11:00 | 3.1 | 81.7 | 3.6 | 86.7 | 3.6 | 84.4 | 3.5 | 83.3 | 4.6 |
| 11:15 | 2.6 | 81.2 | 3.1 | 85.3 | 3.3 | 83.7 | 3.4 | 81.8 | 3.5 |
| 11:30 | 1.4 | 75.8 | 2.4 | 81.3 | 2.3 | 79.2 | 2.7 | 86.8 | 2.6 |
| 11:45 | 1.8 | 88.8 | 2.7 | 84.8 | 2.7 | 87.0 | 3.1 | 100.9 | 3.2 |
| 12:00 | 1.8 | 104.9 | 2.3 | 106.0 | 2.5 | 111.9 | 2.8 | 127.1 | 2.4 |
| 12:15 | 1.2 | 104.7 | 1.5 | 107.5 | 1.1 | 96.9 | 1.1 | 75.7 | 1.0 |

Daily Summary Report

Site: ORNL Sodar

7/12/2018

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 | 68.6 | 4.7 | 84.3 | | | | | | |
| 00:15 | 67.6 | 2.5 | 88.9 | | | | | | |
| 00:30 | 45.9 | 1.9 | 56.5 | | | | | | |
| 00:45 | 33.7 | 2.6 | 68.9 | | | | | | |
| 01:00 | 30.9 | 2.0 | 76.6 | 9.0 | 86.3 | | | | |
| 01:15 | 25.5 | 2.0 | 35.7 | 9.0 | 75.0 | | | | |
| 01:30 | 26.0 | 2.4 | 28.7 | 1.4 | 8.6 | | | | |
| 01:45 | 29.2 | 2.3 | 31.6 | | | | | | |
| 02:00 | 30.4 | 4.3 | 34.7 | | | | | | |
| 02:15 | 32.9 | 5.9 | 45.6 | 9.1 | 51.0 | | | | |
| 02:30 | 30.8 | 5.4 | 27.5 | 8.9 | 66.0 | 8.8 | 73.5 | | |
| 02:45 | 32.0 | 4.4 | 18.0 | 8.5 | 63.0 | 8.9 | 72.5 | | |
| 03:00 | 34.0 | 5.7 | 28.1 | 8.3 | 60.3 | 9.1 | 71.5 | | |
| 03:15 | 37.4 | 9.9 | 39.3 | 7.9 | 57.7 | 9.2 | 70.5 | | |
| 03:30 | 42.8 | 9.8 | 38.3 | 8.7 | 54.2 | 9.4 | 69.5 | | |
| 03:45 | 44.9 | 8.8 | 43.7 | 9.6 | 53.4 | 9.5 | 68.5 | | |
| 04:00 | 43.8 | 7.4 | 54.5 | 8.8 | 63.3 | 9.7 | 67.5 | | |
| 04:15 | 42.8 | 6.5 | 65.8 | 8.3 | 70.7 | 9.8 | 66.5 | | |
| 04:30 | 42.1 | 5.9 | 62.2 | 9.5 | 54.8 | 10.0 | 65.5 | | |
| 04:45 | 38.8 | 5.5 | 46.9 | 9.6 | 50.1 | 10.1 | 64.5 | | |
| 05:00 | 33.6 | 4.9 | 48.1 | 8.0 | 61.5 | 10.3 | 63.5 | | |
| 05:15 | 33.5 | 3.7 | 53.5 | 8.1 | 60.0 | 10.4 | 62.5 | | |
| 05:30 | 42.8 | 4.1 | 62.5 | 8.2 | 58.0 | 10.7 | 61.5 | | |
| 05:45 | 40.1 | 7.0 | 62.4 | 8.3 | 56.0 | 10.9 | 60.5 | | |
| 06:00 | 45.0 | 8.9 | 52.6 | 8.4 | 55.0 | 11.2 | 59.5 | | |
| 06:15 | 47.5 | 8.2 | 67.8 | 8.4 | 53.0 | 11.4 | 58.5 | | |
| 06:30 | 46.5 | 7.1 | 81.8 | 8.5 | 52.0 | 11.7 | 57.5 | | |
| 06:45 | 35.3 | 7.5 | 60.8 | 8.6 | 51.0 | 11.9 | 56.5 | | |
| 07:00 | 36.2 | 9.0 | 57.0 | 8.6 | 50.0 | 12.2 | 55.5 | | |
| 07:15 | 43.4 | 10.2 | 54.2 | 8.7 | 49.0 | 12.4 | 54.5 | | |
| 07:30 | 47.7 | 10.5 | 58.7 | 8.8 | 47.0 | 12.7 | 53.5 | | |
| 07:45 | 46.5 | 8.6 | 52.9 | 8.8 | 46.1 | 12.9 | 52.5 | | |
| 08:00 | 45.3 | 8.8 | 50.6 | 11.3 | 46.9 | 13.2 | 51.5 | | |
| 08:15 | 47.6 | 8.9 | 48.4 | 12.2 | 43.7 | 13.4 | 50.5 | | |
| 08:30 | 49.1 | 9.0 | 50.5 | 12.2 | 49.1 | 13.6 | 49.5 | | |
| 08:45 | 54.6 | 9.1 | 54.4 | 12.0 | 50.0 | 13.7 | 48.5 | | |
| 09:00 | 55.4 | 8.9 | 53.9 | 11.7 | 51.3 | 14.3 | 48.0 | | |
| 09:15 | 54.0 | 8.6 | 54.1 | 10.6 | 52.2 | 10.6 | 49.8 | | |
| 09:30 | 54.8 | 7.7 | 59.1 | 8.6 | 57.0 | 9.9 | 64.5 | | |
| 09:45 | 61.4 | 5.7 | 58.7 | 7.3 | 59.5 | 9.4 | 67.8 | | |
| 10:00 | 48.8 | 4.7 | 45.4 | 7.4 | 51.8 | 8.0 | 59.2 | 10.3 | 48.4 |
| 10:15 | 50.1 | 5.6 | 52.9 | 7.6 | 51.1 | 7.5 | 55.9 | 9.7 | 50.1 |
| 10:30 | 75.1 | 4.8 | 68.4 | 8.6 | 57.1 | 7.4 | 51.5 | 8.9 | 48.0 |
| 10:45 | 86.6 | 4.4 | 79.1 | 8.6 | 65.5 | 8.0 | 56.0 | | |
| 11:00 | 81.3 | 5.2 | 73.5 | 6.5 | 63.8 | 8.1 | 52.0 | | |
| 11:15 | 84.9 | 3.9 | 69.4 | 6.3 | 53.2 | 8.2 | 49.3 | | |
| 11:30 | 86.1 | 3.1 | 84.9 | 4.7 | 78.5 | 7.2 | 65.0 | | |
| 11:45 | 97.0 | 4.0 | 95.8 | 4.9 | 97.0 | 6.2 | 82.4 | | |
| 12:00 | 118.5 | 2.1 | 93.8 | 4.2 | 92.2 | 6.0 | 84.0 | | |
| 12:15 | 93.2 | 1.2 | 46.0 | 1.6 | 78.1 | 5.0 | 87.0 | | |

Daily Summary Report

Site: ORNL Sodar

7/12/2018

Interval: 015m

| | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|-------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 00:00 | | | | | | |
| 00:15 | | | | | | |
| 00:30 | | | | | | |
| 00:45 | | | | | | |
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| 11:45 | | | | | | |
| 12:00 | | | | | | |
| 12:15 | | | | | | |

| | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 12:30 | | | | | | |
| 12:45 | | | | | | |
| 13:00 | | | | | | |
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| 13:45 | | | | | | |
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| 15:45 | | | | | | |
| 16:00 | | | | | | |
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| 19:45 | | | | | | |
| 20:00 | | | | | | |
| 20:15 | | | | | | |
| 20:30 | | | | | | |
| 20:45 | | | | | | |
| 21:00 | | | | | | |
| 21:15 | | | | | | |
| 21:30 | | | | | | |
| 21:45 | | | | | | |
| 22:00 | 12.3 | 47.7 | 13.4 | 45.1 | 13.5 | 45.8 |
| 22:15 | 12.5 | 46.0 | 13.8 | 44.0 | 13.7 | 45.0 |
| 22:30 | 12.7 | 46.0 | 14.0 | 44.0 | 13.9 | 44.0 |
| 22:45 | 13.0 | 46.0 | 14.3 | 43.0 | 14.0 | 43.0 |
| 23:00 | 13.3 | 46.0 | 14.5 | 42.0 | 14.2 | 42.0 |
| 23:15 | 13.6 | 46.0 | 14.8 | 42.0 | 14.4 | 41.0 |
| 23:30 | 14.0 | 46.0 | 15.0 | 41.0 | 14.5 | 40.0 |
| 23:45 | 14.2 | 45.6 | 15.4 | 40.4 | 14.6 | 38.2 |
| Avg | 13.2 | 46.2 | 14.4 | 42.7 | 14.1 | 42.4 |
| Max | 14.2 | 47.7 | 15.4 | 45.1 | 14.6 | 45.8 |
| Hr. of Max | 95 | 88 | 95 | 88 | 95 | 88 |
| Min | 12.3 | 45.6 | 13.4 | 40.4 | 13.5 | 38.2 |
| Count | 8 | 8 | 8 | 8 | 8 | 8 |
| Total | | | | | | |