

Daily Summary Report

Site: ORNL Sodar

3/19/2019

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 | 1.3 | 20.3 | 3.9 | 9.6 | 5.6 | 9.8 | 6.5 | 8.4 | 3.1 |
| 00:15 | 1.3 | 17.2 | 3.9 | 10.8 | 5.9 | 11.0 | 6.3 | 9.4 | 2.3 |
| 00:30 | 1.5 | 9.6 | 3.3 | 16.4 | 5.4 | 14.4 | 5.5 | 14.3 | 2.5 |
| 00:45 | 1.7 | 11.1 | 3.2 | 15.2 | 5.1 | 16.1 | 5.5 | 16.5 | 3.0 |
| 01:00 | 1.3 | 16.7 | 3.0 | 18.2 | 4.7 | 18.8 | 5.4 | 19.6 | 3.5 |
| 01:15 | 1.6 | 17.3 | 2.9 | 25.1 | 4.6 | 22.9 | 5.9 | 22.4 | 5.7 |
| 01:30 | 2.0 | 24.3 | 2.9 | 25.3 | 4.8 | 24.7 | 6.3 | 22.6 | 7.0 |
| 01:45 | 2.4 | 26.4 | 3.7 | 27.0 | 5.4 | 25.9 | 7.3 | 24.6 | 6.7 |
| 02:00 | 3.4 | 26.3 | 4.7 | 32.6 | 6.4 | 31.5 | 8.5 | 31.0 | 9.6 |
| 02:15 | 3.3 | 35.1 | 4.6 | 34.2 | 6.7 | 32.4 | 8.7 | 33.5 | 10.4 |
| 02:30 | 2.5 | 43.4 | 3.7 | 30.4 | 6.3 | 32.5 | 8.2 | 33.0 | 10.0 |
| 02:45 | 1.5 | 37.0 | 3.0 | 36.2 | 5.2 | 36.8 | 7.1 | 35.8 | 8.9 |
| 03:00 | 2.0 | 56.2 | 2.5 | 44.5 | 4.4 | 40.1 | 6.2 | 38.8 | 8.0 |
| 03:15 | 1.9 | 65.9 | 2.3 | 44.6 | 4.0 | 41.0 | 5.5 | 39.6 | 7.8 |
| 03:30 | 1.8 | 72.1 | 2.5 | 48.3 | 4.0 | 43.7 | 5.4 | 41.7 | 7.5 |
| 03:45 | 1.7 | 67.2 | 2.7 | 52.5 | 4.4 | 48.3 | 5.9 | 42.4 | 4.6 |
| 04:00 | 1.8 | 73.2 | 2.4 | 53.1 | 4.4 | 52.7 | 5.7 | 44.5 | 1.5 |
| 04:15 | 1.8 | 73.2 | 2.3 | 50.5 | 4.3 | 51.5 | 5.0 | 48.6 | 1.2 |
| 04:30 | 2.0 | 55.8 | 3.3 | 45.3 | 5.4 | 47.5 | 3.9 | 33.7 | 2.4 |
| 04:45 | 2.2 | 42.5 | 4.3 | 44.2 | 6.2 | 44.2 | 5.5 | 43.4 | 5.5 |
| 05:00 | 2.3 | 41.8 | 4.1 | 44.4 | 5.7 | 41.5 | 6.7 | 43.5 | 6.9 |
| 05:15 | 2.2 | 54.0 | 3.2 | 42.4 | 4.7 | 41.4 | 6.0 | 41.7 | 7.0 |
| 05:30 | 2.3 | 52.6 | 2.9 | 37.0 | 4.5 | 40.2 | 5.7 | 38.3 | 6.6 |
| 05:45 | 2.6 | 50.8 | 3.5 | 39.0 | 5.0 | 40.6 | 6.3 | 39.9 | 6.7 |
| 06:00 | 2.3 | 58.4 | 3.5 | 47.0 | 5.0 | 45.0 | 6.6 | 45.5 | 7.1 |
| 06:15 | 2.2 | 63.1 | 3.3 | 45.4 | 5.0 | 45.9 | 6.7 | 48.8 | 6.3 |
| 06:30 | 2.3 | 62.3 | 3.4 | 35.7 | 4.8 | 40.3 | 6.1 | 45.3 | 6.0 |
| 06:45 | 2.3 | 59.4 | 3.3 | 30.5 | 4.5 | 38.8 | 5.8 | 42.3 | 6.0 |
| 07:00 | 2.3 | 66.1 | 2.9 | 34.2 | 4.2 | 42.2 | 5.7 | 44.2 | 5.6 |
| 07:15 | 2.2 | 68.9 | 3.0 | 41.2 | 4.2 | 44.1 | 5.6 | 46.0 | 5.9 |
| 07:30 | 1.8 | 55.4 | 3.3 | 46.8 | 4.7 | 46.6 | 6.2 | 48.0 | 6.9 |
| 07:45 | 1.6 | 43.9 | 3.8 | 47.7 | 5.1 | 46.3 | 6.6 | 48.9 | 6.2 |
| 08:00 | 1.5 | 47.2 | 3.6 | 40.1 | 5.1 | 41.4 | 6.1 | 44.6 | 2.9 |
| 08:15 | 1.9 | 54.3 | 3.5 | 34.5 | 5.0 | 39.9 | 6.2 | 45.4 | 6.6 |
| 08:30 | 2.3 | 59.1 | 3.4 | 36.7 | 5.0 | 39.9 | 6.4 | 48.5 | 7.6 |
| 08:45 | 2.1 | 60.0 | 3.6 | 42.0 | 5.3 | 40.5 | 6.2 | 47.9 | 7.4 |
| 09:00 | 2.1 | 56.8 | 4.0 | 47.4 | 5.4 | 42.0 | 6.2 | 47.5 | 8.3 |
| 09:15 | 1.8 | 53.7 | 3.5 | 46.9 | 5.1 | 41.8 | 6.1 | 49.1 | 7.2 |
| 09:30 | 1.8 | 62.0 | 3.6 | 45.4 | 5.1 | 46.1 | 6.4 | 52.7 | 6.9 |
| 09:45 | 2.7 | 81.0 | 3.8 | 56.6 | 5.6 | 56.1 | 6.3 | 59.8 | 7.2 |
| 10:00 | 3.4 | 77.3 | 3.4 | 56.5 | 4.6 | 58.0 | 5.2 | 62.5 | 6.6 |
| 10:15 | 2.7 | 75.5 | 3.1 | 59.8 | 3.9 | 62.1 | 4.8 | 62.6 | 5.9 |
| 10:30 | 2.0 | 78.9 | 2.7 | 65.8 | 4.0 | 61.7 | 4.4 | 62.4 | 4.1 |
| 10:45 | 1.9 | 67.2 | 2.9 | 60.3 | 3.6 | 58.2 | 3.6 | 59.1 | 2.8 |
| 11:00 | 2.2 | 77.4 | 3.0 | 84.5 | 3.3 | 81.3 | 4.0 | 79.1 | 3.5 |
| 11:15 | 2.8 | 97.3 | 3.3 | 105.1 | 3.9 | 93.2 | 4.9 | 88.2 | 4.4 |
| 11:30 | 3.5 | 91.2 | 4.3 | 92.5 | 4.6 | 86.2 | 4.5 | 86.2 | 5.2 |
| 11:45 | 3.5 | 91.6 | 4.5 | 93.3 | 4.4 | 85.2 | 3.9 | 85.5 | 4.9 |
| 12:00 | 2.0 | 102.4 | 3.0 | 97.1 | 3.3 | 81.4 | 3.5 | 80.0 | 2.8 |
| 12:15 | 1.4 | 90.0 | 3.0 | 92.1 | 2.9 | 82.6 | 2.8 | 78.7 | 1.9 |
| 12:30 | 2.8 | 88.4 | 2.7 | 85.8 | 3.4 | 85.0 | 3.6 | 80.6 | 3.7 |

Daily Summary Report

Site: ORNL Sodar

3/19/2019

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 | 5.4 | .2 | 46.6 | 1.2 | 5.6 | | | | |
| 00:15 | 4.3 | .3 | 32.1 | .9 | 346.5 | | | | |
| 00:30 | 13.6 | .3 | 67.2 | .3 | 33.6 | | | | |
| 00:45 | 12.3 | .5 | 62.1 | .4 | 133.8 | | | | |
| 01:00 | 9.1 | .8 | 36.4 | .3 | 106.0 | | | | |
| 01:15 | 9.1 | 2.6 | 10.6 | .3 | 41.6 | | | | |
| 01:30 | 11.9 | 4.0 | 9.0 | .3 | 321.1 | | | | |
| 01:45 | 12.2 | 2.1 | 16.3 | .1 | 311.8 | | | | |
| 02:00 | 15.2 | 4.0 | 25.0 | .2 | 64.8 | | | | |
| 02:15 | 27.9 | 5.0 | 30.0 | .6 | 62.0 | | | | |
| 02:30 | 30.1 | 7.0 | 36.0 | 1.0 | 60.0 | | | | |
| 02:45 | 34.3 | 8.8 | 43.5 | 1.5 | 57.0 | | | | |
| 03:00 | 39.1 | 8.1 | 46.4 | 1.8 | 54.0 | | | | |
| 03:15 | 39.7 | 7.7 | 40.4 | 2.0 | 50.0 | | | | |
| 03:30 | 41.6 | 5.0 | 68.9 | 2.1 | 46.6 | | | | |
| 03:45 | 39.4 | 2.5 | 63.7 | 2.8 | 25.1 | | | | |
| 04:00 | 62.6 | 2.4 | 44.2 | 4.9 | 44.5 | | | | |
| 04:15 | 65.2 | 3.8 | 75.7 | 4.1 | 47.0 | | | | |
| 04:30 | 50.0 | 5.0 | 71.3 | 1.4 | 20.0 | | | | |
| 04:45 | 58.9 | 8.2 | 63.0 | | | | | | |
| 05:00 | 53.5 | 8.1 | 61.2 | | | | | | |
| 05:15 | 49.8 | 7.6 | 66.9 | | | | | | |
| 05:30 | 44.9 | 7.2 | 67.7 | | | | | | |
| 05:45 | 47.5 | 7.1 | 50.3 | | | | | | |
| 06:00 | 55.4 | 7.0 | 61.0 | | | | | | |
| 06:15 | 57.5 | 7.0 | 72.4 | | | | | | |
| 06:30 | 59.3 | 6.6 | 74.6 | | | | | | |
| 06:45 | 62.3 | 7.7 | 65.5 | | | | | | |
| 07:00 | 68.8 | 7.0 | 73.4 | | | | | | |
| 07:15 | 69.1 | 5.8 | 74.7 | | | | | | |
| 07:30 | 66.9 | 7.7 | 72.5 | | | | | | |
| 07:45 | 68.8 | 6.0 | 75.7 | | | | | | |
| 08:00 | 53.3 | 1.9 | 36.8 | | | | | | |
| 08:15 | 61.8 | 4.0 | 50.0 | | | | | | |
| 08:30 | 60.3 | 7.8 | 64.0 | | | | | | |
| 08:45 | 68.8 | 7.7 | 73.6 | | | | | | |
| 09:00 | 69.7 | 8.9 | 77.4 | | | | | | |
| 09:15 | 65.7 | 9.7 | 73.5 | | | | | | |
| 09:30 | 65.7 | 10.1 | 66.6 | | | | | | |
| 09:45 | 71.9 | 9.3 | 77.7 | | | | | | |
| 10:00 | 70.3 | 8.3 | 75.2 | 10.3 | 68.5 | | | | |
| 10:15 | 67.3 | 7.5 | 70.0 | 9.3 | 70.4 | | | | |
| 10:30 | 61.2 | 5.6 | 57.5 | 7.7 | 65.2 | 9.2 | 60.2 | | |
| 10:45 | 64.4 | 3.6 | 56.1 | 6.1 | 61.9 | | | | |
| 11:00 | 82.8 | 3.7 | 85.6 | 6.2 | 68.0 | | | | |
| 11:15 | 86.7 | 4.6 | 87.2 | 6.3 | 76.0 | | | | |
| 11:30 | 81.0 | 5.5 | 83.9 | 6.3 | 79.0 | | | | |
| 11:45 | 77.6 | 4.5 | 79.4 | 6.3 | 82.0 | | | | |
| 12:00 | 77.3 | 3.1 | 80.0 | 6.2 | 85.0 | | | | |
| 12:15 | 83.4 | 2.5 | 90.7 | 6.2 | 90.0 | | | | |
| 12:30 | 84.2 | 3.3 | 83.7 | 6.2 | 95.6 | | | | |

Daily Summary Report

Site: ORNL Sodar

3/19/2019

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 | | | | | | |
| 01:00 | | | | | | |
| 01:15 | | | | | | |
| 01:30 | | | | | | |
| 01:45 | | | | | | |
| 02:00 | | | | | | |
| 02:15 | | | | | | |
| 02:30 | | | | | | |
| 02:45 | | | | | | |
| 03:00 | | | | | | |
| 03:15 | | | | | | |
| 03:30 | | | | | | |
| 03:45 | | | | | | |
| 04:00 | | | | | | |
| 04:15 | | | | | | |
| 04:30 | | | | | | |
| 04:45 | | | | | | |
| 05:00 | | | | | | |
| 05:15 | | | | | | |
| 05:30 | | | | | | |
| 05:45 | | | | | | |
| 06:00 | | | | | | |
| 06:15 | | | | | | |
| 06:30 | | | | | | |
| 06:45 | | | | | | |
| 07:00 | | | | | | |
| 07:15 | | | | | | |
| 07:30 | | | | | | |
| 07:45 | | | | | | |
| 08:00 | | | | | | |
| 08:15 | | | | | | |
| 08:30 | | | | | | |
| 08:45 | | | | | | |
| 09:00 | | | | | | |
| 09:15 | | | | | | |
| 09:30 | | | | | | |
| 09:45 | | | | | | |
| 10:00 | | | | | | |
| 10:15 | | | | | | |
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| 10:45 | | | | | | |
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| 11:45 | | | | | | |
| 12:00 | | | | | | |
| 12:15 | | | | | | |
| 12:30 | | | | | | |

| | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 12:45 | | | | | | |
| 13:00 | | | | | | |
| 13:15 | | | | | | |
| 13:30 | | | | | | |
| 13:45 | | | | | | |
| 14:00 | | | | | | |
| 14:15 | | | | | | |
| 14:30 | | | | | | |
| 14:45 | | | | | | |
| 15:00 | | | | | | |
| 15:15 | | | | | | |
| 15:30 | | | | | | |
| 15:45 | | | | | | |
| 16:00 | | | | | | |
| 16:15 | | | | | | |
| 16:30 | | | | | | |
| 16:45 | | | | | | |
| 17:00 | | | | | | |
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| 18:30 | | | | | | |
| 18:45 | | | | | | |
| 19:00 | | | | | | |
| 19:15 | | | | | | |
| 19:30 | | | | | | |
| 19:45 | | | | | | |
| 20:00 | | | | | | |
| 20:15 | | | | | | |
| 20:30 | | | | | | |
| 20:45 | | | | | | |
| 21:00 | | | | | | |
| 21:15 | | | | | | |
| 21:30 | | | | | | |
| 21:45 | | | | | | |
| 22:00 | | | | | | |
| 22:15 | | | | | | |
| 22:30 | | | | | | |
| 22:45 | | | | | | |
| 23:00 | | | | | | |
| 23:15 | | | | | | |
| 23:30 | | | | | | |
| 23:45 | | | | | | |
| Avg | | | | | | |
| Max | | | | | | |
| Hr. of Max | | | | | | |
| Min | | | | | | |
| Count | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | | | | | |