

## Daily Summary Report

Site: ORNL Sodar

5/17/2018

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 | .4        | 62.9        | 1.2       | 44.6        | 1.6       | 40.3        | 2.5       | 34.1        | 2.5       |
| 00:15 | .1        | 13.0        | .8        | 19.8        | 1.4       | 51.9        | 2.4       | 49.3        | 2.2       |
| 00:30 | .2        | 30.4        | 1.2       | 44.2        | 1.9       | 62.2        | 2.5       | 65.5        | 2.0       |
| 00:45 | .4        | 47.2        | 1.5       | 51.8        | 2.3       | 62.9        | 2.2       | 65.8        | 1.6       |
| 01:00 | .5        | 61.4        | 1.3       | 57.0        | 1.9       | 62.8        | 1.6       | 65.0        | 1.3       |
| 01:15 | .3        | 69.8        | 1.1       | 63.2        | 1.5       | 69.4        | 2.2       | 68.9        | 1.8       |
| 01:30 | .2        | 76.7        | .8        | 61.5        | 1.8       | 75.1        | 2.7       | 67.1        | 2.5       |
| 01:45 | .3        | 57.4        | 1.0       | 56.5        | 2.3       | 70.8        | 2.6       | 63.9        | 2.3       |
| 02:00 | .4        | 44.2        | 1.0       | 40.6        | 2.2       | 70.9        | 2.1       | 64.9        | 1.4       |
| 02:15 | .3        | 34.9        | .7        | 15.1        | 1.6       | 69.7        | 1.6       | 69.8        | .8        |
| 02:30 | .3        | 34.9        | .5        | 16.7        | 1.1       | 51.3        | 1.5       | 62.7        | .9        |
| 02:45 | .4        | 40.5        | 1.0       | 16.7        | 1.4       | 43.3        | 1.6       | 63.5        | 1.0       |
| 03:00 | .4        | 33.5        | 1.2       | .7          | 1.4       | 36.7        | 1.4       | 63.5        | .8        |
| 03:15 | .4        | 59.0        | 1.3       | 353.8       | 1.4       | 28.3        | 1.0       | 58.4        | .5        |
| 03:30 | .5        | 63.4        | 1.4       | 11.1        | 2.0       | 28.6        | 1.3       | 51.7        | .4        |
| 03:45 | .6        | 47.2        | 1.3       | 20.1        | 2.0       | 25.5        | 1.2       | 46.5        | .5        |
| 04:00 | .6        | 60.0        | 1.0       | 12.2        | 1.4       | 35.6        | .7        | 46.4        | .1        |
| 04:15 | .5        | 76.3        | .8        | 18.0        | .9        | 52.3        | .5        | 50.9        | .1        |
| 04:30 | .4        | 78.4        | .5        | 42.0        | .9        | 40.2        | .6        | 65.3        | .2        |
| 04:45 | .5        | 67.9        | .2        | 50.5        | 1.1       | 37.4        | .9        | 53.4        | .2        |
| 05:00 | .6        | 68.6        | .3        | 11.0        | .9        | 41.4        | .9        | 46.6        | .6        |
| 05:15 | .6        | 79.2        | .3        | 37.1        | .9        | 57.7        | 1.0       | 53.2        | .7        |
| 05:30 | .6        | 79.3        | .6        | 69.0        | 1.1       | 69.2        | 1.2       | 66.4        | .8        |
| 05:45 | .6        | 60.5        | 1.3       | 65.5        | 1.4       | 69.5        | 1.1       | 70.7        | .9        |
| 06:00 | .7        | 34.2        | 1.8       | 65.7        | 1.6       | 61.9        | 1.1       | 65.8        | 1.0       |
| 06:15 | .5        | 20.2        | 1.6       | 61.6        | 1.2       | 53.7        | 1.8       | 57.7        | 1.8       |
| 06:30 | .4        | 28.4        | 1.1       | 61.4        | 1.1       | 62.4        | 2.4       | 63.2        | 2.2       |
| 06:45 | .6        | 40.1        | 1.3       | 66.8        | 1.3       | 72.3        | 1.8       | 67.8        | 1.6       |
| 07:00 | .6        | 20.1        | 1.4       | 72.6        | 1.3       | 75.0        | 1.5       | 69.7        | 1.3       |
| 07:15 | .6        | 355.3       | .8        | 72.2        | 1.3       | 80.1        | 1.6       | 79.9        | 1.1       |
| 07:30 | .5        | 349.9       | .5        | 40.1        | 1.2       | 73.5        | 1.3       | 85.1        | .8        |
| 07:45 | .4        | 22.4        | 1.0       | 56.4        | 1.2       | 64.2        | 1.3       | 82.3        | .9        |
| 08:00 | .7        | 36.0        | 1.1       | 54.9        | 1.1       | 59.2        | 1.8       | 79.5        | 1.9       |
| 08:15 | .6        | 69.9        | 2.1       | 69.5        | 1.9       | 67.7        | 2.4       | 81.9        | 1.8       |
| 08:30 | .5        | 99.4        | 2.6       | 74.6        | 2.6       | 68.6        | 2.5       | 82.0        | .5        |
| 08:45 | .6        | 77.1        | 1.9       | 71.2        | 2.7       | 71.0        | 3.7       | 81.3        | 1.0       |
| 09:00 | 1.1       | 66.6        | 1.8       | 56.2        | 2.7       | 67.4        | 3.4       | 75.0        | 3.1       |
| 09:15 | 1.4       | 67.7        | 2.0       | 55.0        | 2.6       | 56.8        | 2.9       | 68.1        | 3.5       |
| 09:30 | 2.0       | 71.2        | 2.5       | 53.8        | 2.9       | 52.7        | 3.1       | 56.7        | 3.1       |
| 09:45 | 1.1       | 72.2        | 1.9       | 52.3        | 2.5       | 58.5        | 2.6       | 54.9        | 2.6       |
| 10:00 | 1.3       | 89.3        | 2.0       | 86.1        | 2.4       | 75.7        | 2.4       | 68.5        | 2.0       |
| 10:15 | 2.2       | 86.5        | 2.5       | 88.8        | 2.8       | 78.5        | 3.0       | 78.3        | 2.4       |
| 10:30 | 1.6       | 82.7        | 1.5       | 81.0        | 2.0       | 78.5        | 2.5       | 86.8        | 2.0       |
| 10:45 | 1.3       | 53.8        | 1.4       | 45.1        | 1.8       | 58.2        | 1.7       | 71.3        | 1.3       |
| 11:00 | 2.3       | 46.5        | 2.6       | 45.6        | 2.7       | 44.8        | 2.4       | 49.7        | 1.7       |
| 11:15 | 1.9       | 60.9        | 1.8       | 46.5        | 2.1       | 52.7        | 2.2       | 51.4        | 2.0       |
| 11:30 | 1.2       | 87.2        | 1.2       | 87.9        | 2.1       | 78.4        | 1.9       | 72.8        | 2.1       |
| 11:45 | 1.6       | 93.8        | 2.5       | 97.0        | 2.9       | 80.8        | 2.6       | 76.1        | 3.2       |
| 12:00 | 1.7       | 89.3        | 1.9       | 73.0        | 1.7       | 67.4        | 1.9       | 69.7        | 1.9       |
| 12:15 | 1.7       | 76.2        | 1.4       | 37.0        | 1.6       | 50.9        | 1.4       | 63.6        | .7        |



## Daily Summary Report

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5/17/2018

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 | 45.1        | 2.6       | 40.6        |           |             |           |             |           |             |
| 00:15 | 55.4        | 2.0       | 47.7        |           |             |           |             |           |             |
| 00:30 | 69.7        | 1.0       | 63.1        |           |             |           |             |           |             |
| 00:45 | 63.0        | .4        | 29.7        |           |             |           |             |           |             |
| 01:00 | 54.4        | 1.0       | 59.7        |           |             |           |             |           |             |
| 01:15 | 68.6        | 1.7       | 79.4        |           |             |           |             |           |             |
| 01:30 | 69.1        | 1.8       | 86.4        | .6        | 16.8        |           |             |           |             |
| 01:45 | 65.7        | .9        | 84.3        | .7        | 261.5       |           |             |           |             |
| 02:00 | 73.1        | .3        | 77.7        | .6        | 270.0       |           |             |           |             |
| 02:15 | 80.7        | .3        | 93.0        | .6        | 280.0       |           |             |           |             |
| 02:30 | 83.4        | .2        | 84.2        | .5        | 290.0       |           |             |           |             |
| 02:45 | 88.0        | .3        | 78.8        | .5        | 299.8       |           |             |           |             |
| 03:00 | 86.6        | .3        | 69.7        |           |             |           |             |           |             |
| 03:15 | 85.7        | .3        | 20.9        |           |             |           |             |           |             |
| 03:30 | 68.9        | .5        | 31.6        | .4        | 95.3        |           |             |           |             |
| 03:45 | 56.4        | .5        | 36.9        | .3        | 119.3       |           |             |           |             |
| 04:00 | 275.8       | .4        | 57.8        | .5        | 135.0       |           |             |           |             |
| 04:15 | 243.1       | .4        | 94.2        | .8        | 165.0       |           |             |           |             |
| 04:30 | 100.7       | .3        | 128.9       | 1.0       | 189.8       |           |             |           |             |
| 04:45 | 102.0       | .3        | 125.6       | 1.5       | 174.3       |           |             |           |             |
| 05:00 | 65.3        | .5        | 81.5        | .9        | 143.6       |           |             |           |             |
| 05:15 | 66.8        | .7        | 67.7        | 1.2       | 132.9       |           |             |           |             |
| 05:30 | 84.1        | .8        | 81.2        | .7        | 50.0        |           |             |           |             |
| 05:45 | 84.0        | .8        | 93.6        |           |             |           |             |           |             |
| 06:00 | 92.9        | .5        | 135.7       |           |             |           |             |           |             |
| 06:15 | 76.9        | .2        | 123.6       |           |             |           |             |           |             |
| 06:30 | 78.4        | .5        | 27.6        |           |             |           |             |           |             |
| 06:45 | 89.8        | .9        | 46.9        |           |             |           |             |           |             |
| 07:00 | 91.9        | 1.8       | 69.9        |           |             |           |             |           |             |
| 07:15 | 97.4        | .7        | 104.6       |           |             |           |             |           |             |
| 07:30 | 102.3       | 1.0       | 81.6        |           |             |           |             |           |             |
| 07:45 | 111.4       | 1.5       | 91.8        |           |             |           |             |           |             |
| 08:00 | 97.3        | 2.5       | 88.0        |           |             |           |             |           |             |
| 08:15 | 95.3        | 3.5       | 86.0        |           |             |           |             |           |             |
| 08:30 | 94.8        | 4.0       | 84.0        |           |             |           |             |           |             |
| 08:45 | 90.2        | 4.5       | 81.0        |           |             |           |             |           |             |
| 09:00 | 80.4        | 4.9       | 77.6        |           |             |           |             |           |             |
| 09:15 | 79.7        | 5.4       | 76.1        |           |             |           |             |           |             |
| 09:30 | 75.8        | 4.8       | 59.4        |           |             |           |             |           |             |
| 09:45 | 69.3        | 3.6       | 61.3        |           |             |           |             |           |             |
| 10:00 | 75.4        | 1.9       | 72.8        | 4.6       | 58.1        | 6.7       | 45.6        |           |             |
| 10:15 | 82.3        | 3.1       | 77.1        | 5.6       | 62.4        | 6.5       | 45.5        |           |             |
| 10:30 | 83.2        | 3.4       | 86.9        | 6.9       | 69.5        |           |             |           |             |
| 10:45 | 81.0        | 2.3       | 89.1        | 5.5       | 85.0        |           |             |           |             |
| 11:00 | 63.4        | 2.9       | 59.3        | 5.8       | 46.7        |           |             |           |             |
| 11:15 | 53.1        | 2.6       | 59.1        | 3.9       | 49.0        |           |             |           |             |
| 11:30 | 66.1        | 2.1       | 96.8        | 4.2       | 70.0        |           |             |           |             |
| 11:45 | 83.4        | 3.3       | 97.0        | 4.6       | 94.0        |           |             |           |             |
| 12:00 | 83.5        | 2.2       | 72.3        | 3.5       | 88.0        |           |             |           |             |
| 12:15 | 58.7        | .7        | 57.2        | 2.5       | 81.5        |           |             |           |             |



## Daily Summary Report

Site: ORNL Sodar

5/17/2018

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 |           |             |           |             |           |             |
| 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 |           |             |           |             |           |             |
| 10:30 |           |             |           |             |           |             |
| 10:45 |           |             |           |             |           |             |
| 11:00 |           |             |           |             |           |             |
| 11:15 |           |             |           |             |           |             |
| 11:30 |           |             |           |             |           |             |
| 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      |           |             |           |             |           |             |
| 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      |           |             |           |             |           |             |
| 17:15      |           |             |           |             |           |             |
| 17:30      |           |             |           |             |           |             |
| 17:45      |           |             |           |             |           |             |
| 18:00      |           |             |           |             |           |             |
| 18:15      |           |             |           |             |           |             |
| 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      |           |             |           |             |           |             |