

## Daily Summary Report

Site: ORNL Sodar

1/21/2019

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 | .2        | 5.6         | .4        | 349.4       | .9        | 16.4        | .9        | 14.7        | 1.1       |
| 00:15 | 1.8       | 38.6        | .4        | 359.6       | .8        | 28.5        | .9        | 20.0        | .6        |
| 00:30 |           |             | .5        | 23.6        | .7        | 37.3        | .6        | 36.6        | .5        |
| 00:45 |           |             | .4        | 37.8        | .7        | 40.4        | .5        | 61.3        | 1.2       |
| 01:00 | .6        | 273.3       | .3        | 26.2        | .5        | 30.2        | .5        | 31.8        | 1.3       |
| 01:15 | .7        | 263.1       | .1        | 22.6        | .3        | 30.2        | .5        | 18.3        | .5        |
| 01:30 | .5        | 256.6       | .1        | 342.7       | .3        | 50.0        | .6        | 22.3        | .6        |
| 01:45 | .2        | 293.9       | .3        | 16.0        | .4        | 52.4        | .7        | 26.3        | .7        |
| 02:00 |           |             | .3        | 28.6        | .5        | 46.7        | .8        | 49.0        | .6        |
| 02:15 | .3        | 37.1        | .2        | 17.5        | .5        | 44.4        | .7        | 52.6        | .8        |
| 02:30 | .2        | 55.0        | .1        | 26.2        | .8        | 25.9        | 1.1       | 31.7        | .8        |
| 02:45 | .2        | 76.0        | .2        | 30.3        | 1.1       | 17.8        | 1.8       | 28.7        | 1.0       |
| 03:00 | .3        | 132.2       | .3        | 6.7         | .8        | 33.1        | 1.4       | 38.4        | 1.2       |
| 03:15 | .6        | 138.9       | .2        | 1.7         | .9        | 51.4        | 1.4       | 46.1        | 1.3       |
| 03:30 | .6        | 148.5       | .2        | 344.9       | 1.6       | 32.3        | 2.1       | 33.7        | 1.9       |
| 03:45 | .5        | 150.0       | .1        | 49.8        | 1.6       | 24.1        | 2.3       | 28.4        | 1.7       |
| 04:00 | .4        | 151.8       | .2        | 51.4        | 1.0       | 27.4        | 1.3       | 30.8        | .8        |
| 04:15 | .3        | 141.2       | .3        | 65.5        | .9        | 30.3        | 1.1       | 26.3        | .5        |
| 04:30 | .3        | 142.0       | .3        | 85.0        | .5        | 43.7        | 1.2       | 25.5        | .6        |
| 04:45 | .3        | 143.0       | .1        | 92.9        | .5        | 56.8        | .9        | 30.5        | .6        |
| 05:00 | .4        | 144.5       | .3        | 105.4       | .6        | 52.9        | .7        | 30.9        | .6        |
| 05:15 | .4        | 128.4       | .3        | 102.2       | .8        | 41.8        | .9        | 29.2        | .6        |
| 05:30 | .4        | 145.1       | .3        | 61.9        | 1.0       | 43.1        | 1.1       | 32.0        | .9        |
| 05:45 | .4        | 183.8       | .4        | 59.4        | .8        | 44.2        | 1.2       | 22.8        | 1.1       |
| 06:00 | .3        | 195.1       | .2        | 85.7        | .7        | 26.3        | .9        | 21.7        | .6        |
| 06:15 | .6        | 177.7       | .2        | 129.0       | .8        | 30.9        | .8        | 40.6        | .7        |
| 06:30 | .6        | 188.0       | .1        | 122.9       | .7        | 43.6        | 1.0       | 34.8        | .8        |
| 06:45 | .5        | 192.1       | .1        | 41.4        | .7        | 47.4        | 1.0       | 22.7        | .6        |
| 07:00 | .5        | 200.3       | .2        | 23.3        | .7        | 48.0        | .9        | 19.5        | .6        |
| 07:15 | .5        | 222.8       | .3        | 26.5        | .9        | 38.2        | 1.0       | 30.2        | .5        |
| 07:30 |           |             | .3        | 42.4        | 1.0       | 37.8        | 1.1       | 39.5        | .5        |
| 07:45 |           |             | .2        | 53.9        | .9        | 44.5        | 1.3       | 39.5        | .8        |
| 08:00 |           |             | .2        | 23.1        | 1.0       | 36.0        | 1.5       | 39.0        | .9        |
| 08:15 |           |             | .2        | 24.7        | .9        | 27.0        | 1.3       | 41.0        | 1.1       |
| 08:30 |           |             | .2        | 30.0        | .9        | 32.1        | 1.8       | 43.5        | 2.7       |
| 08:45 |           |             | .4        | 13.5        | 1.9       | 30.4        | 3.2       | 27.8        | 4.4       |
| 09:00 |           |             | .8        | 20.2        | 3.3       | 22.8        | 3.9       | 21.9        | 4.8       |
| 09:15 |           |             | 1.1       | 23.9        | 3.3       | 22.6        | 3.7       | 23.1        | 3.7       |
| 09:30 | .5        | 30.4        | 1.6       | 39.7        | 3.4       | 43.4        | 4.3       | 38.3        | 4.0       |
| 09:45 | 1.6       | 69.6        | 3.0       | 67.6        | 4.4       | 60.8        | 5.2       | 53.4        | 5.7       |
| 10:00 | 3.1       | 81.5        | 3.2       | 50.2        | 4.5       | 47.4        | 5.5       | 48.1        | 5.8       |
| 10:15 | 2.6       | 43.9        | 3.3       | 30.9        | 4.6       | 42.5        | 5.3       | 46.8        | 5.1       |
| 10:30 | 3.0       | 58.5        | 3.3       | 48.9        | 4.0       | 55.4        | 4.6       | 51.5        | 4.8       |
| 10:45 | 3.5       | 70.0        | 4.5       | 67.1        | 4.6       | 69.9        | 4.8       | 65.6        | 5.3       |
| 11:00 | 4.0       | 81.8        | 4.6       | 75.4        | 5.1       | 76.3        | 5.3       | 76.6        | 5.4       |
| 11:15 | 2.9       | 72.0        | 3.4       | 56.1        | 3.8       | 63.9        | 4.5       | 61.5        | 4.6       |
| 11:30 | 2.0       | 67.0        | 3.0       | 43.0        | 3.4       | 56.4        | 4.2       | 49.2        | 4.5       |
| 11:45 | 1.8       | 62.7        | 2.4       | 57.6        | 3.3       | 60.8        | 3.9       | 54.4        | 4.4       |
| 12:00 | 1.9       | 62.8        | 2.7       | 65.2        | 3.5       | 62.8        | 4.0       | 58.9        | 4.2       |
| 12:15 | 2.9       | 68.5        | 3.9       | 72.1        | 4.2       | 73.2        | 4.7       | 68.2        | 4.8       |
| 12:30 | 2.0       | 66.9        | 2.0       | 66.6        | 3.6       | 79.4        | 4.1       | 77.1        | 4.1       |



## Daily Summary Report

Site: ORNL Sodar

1/21/2019

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 | .0          | 1.3       | 11.9        |           |             |           |             |           |             |
| 00:15 | 11.9        | 1.1       | 26.0        |           |             |           |             |           |             |
| 00:30 | 56.2        | 1.0       | 38.0        |           |             |           |             |           |             |
| 00:45 | 19.5        | .8        | 50.0        |           |             |           |             |           |             |
| 01:00 | 7.8         | .7        | 63.3        |           |             |           |             |           |             |
| 01:15 | 9.7         | .6        | 27.4        |           |             |           |             |           |             |
| 01:30 | 17.2        | .3        | 48.1        |           |             |           |             |           |             |
| 01:45 | 24.8        | .5        | 120.1       |           |             |           |             |           |             |
| 02:00 | 53.3        | .8        | 91.3        |           |             |           |             |           |             |
| 02:15 | 34.1        |           |             |           |             |           |             |           |             |
| 02:30 | 24.6        |           |             |           |             |           |             |           |             |
| 02:45 | 21.3        |           |             |           |             |           |             |           |             |
| 03:00 | 15.0        |           |             |           |             |           |             |           |             |
| 03:15 | 28.5        |           |             |           |             |           |             |           |             |
| 03:30 | 22.2        |           |             |           |             |           |             |           |             |
| 03:45 | 16.6        |           |             |           |             |           |             |           |             |
| 04:00 | 48.6        | 2.4       | 15.2        |           |             |           |             |           |             |
| 04:15 | 60.2        | 3.9       | 13.3        |           |             |           |             |           |             |
| 04:30 | 32.3        | 4.0       | 10.0        |           |             |           |             |           |             |
| 04:45 | 44.2        | 1.6       | 29.4        |           |             |           |             |           |             |
| 05:00 | 17.0        | 1.1       | 33.6        |           |             |           |             |           |             |
| 05:15 | 22.5        | 1.1       | 39.5        |           |             |           |             |           |             |
| 05:30 | 42.8        | 1.8       | 27.7        |           |             |           |             |           |             |
| 05:45 | 42.8        | 2.3       | 28.0        |           |             |           |             |           |             |
| 06:00 | 15.5        | 1.5       | 50.0        |           |             |           |             |           |             |
| 06:15 | 1.9         | .5        | 36.1        |           |             |           |             |           |             |
| 06:30 | 28.1        | 1.0       | 20.9        |           |             |           |             |           |             |
| 06:45 | 24.8        | 1.0       | 18.8        |           |             |           |             |           |             |
| 07:00 | 36.2        | 1.0       | 30.0        |           |             |           |             |           |             |
| 07:15 | 47.9        | 1.0       | 84.4        |           |             |           |             |           |             |
| 07:30 | 42.6        | 1.2       | 62.2        |           |             |           |             |           |             |
| 07:45 | 39.1        | 1.2       | 61.2        |           |             |           |             |           |             |
| 08:00 | 31.3        | 1.0       | 55.0        |           |             |           |             |           |             |
| 08:15 | 17.9        | 1.7       | 42.1        |           |             |           |             |           |             |
| 08:30 | 41.0        | 5.6       | 43.1        | 11.8      | 41.2        | 13.0      | 39.3        |           |             |
| 08:45 | 39.5        | 7.8       | 44.2        | 12.3      | 38.4        | 12.9      | 43.6        |           |             |
| 09:00 | 25.9        | 8.1       | 35.5        | 11.8      | 40.1        | 13.5      | 46.4        |           |             |
| 09:15 | 29.4        | 7.1       | 30.6        | 11.5      | 41.0        | 14.0      | 47.0        |           |             |
| 09:30 | 48.1        | 7.6       | 38.1        | 11.3      | 42.0        | 14.0      | 47.0        |           |             |
| 09:45 | 52.6        | 8.5       | 41.9        | 11.2      | 43.9        | 14.5      | 47.9        |           |             |
| 10:00 | 46.0        | 8.9       | 39.2        | 11.8      | 40.5        | 14.0      | 43.0        |           |             |
| 10:15 | 36.1        | 7.8       | 28.3        | 11.1      | 34.8        | 12.7      | 35.9        |           |             |
| 10:30 | 43.3        | 6.0       | 40.3        | 8.3       | 36.4        |           |             |           |             |
| 10:45 | 58.5        | 7.2       | 52.5        | 10.5      | 44.6        |           |             |           |             |
| 11:00 | 64.4        | 8.2       | 55.0        | 10.5      | 47.0        |           |             |           |             |
| 11:15 | 54.6        | 7.1       | 47.8        | 10.5      | 50.6        |           |             |           |             |
| 11:30 | 56.1        | 6.3       | 52.7        | 8.0       | 55.0        |           |             |           |             |
| 11:45 | 59.8        | 5.2       | 60.4        | 6.5       | 61.9        |           |             |           |             |
| 12:00 | 62.2        | 4.3       | 61.6        | 4.9       | 55.4        |           |             |           |             |
| 12:15 | 69.6        | 4.4       | 75.8        | 3.7       | 67.6        |           |             |           |             |
| 12:30 | 73.0        | 4.2       | 73.5        | 6.3       | 55.3        |           |             |           |             |



## Daily Summary Report

Site: ORNL Sodar

1/21/2019

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