

## Daily Summary Report

Site: ORNL Sodar

9/8/2019

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 | .7        | 45.0      | .6        | 25.0      | 1.3       | 60.0      | 1.3       | 60.0      | 1.1       |
| 00:15 | .7        | 46.7      | .8        | 13.4      | 1.4       | 46.7      | 1.3       | 46.2      | .9        |
| 00:30 | .6        | 67.1      | .8        | 6.9       | 1.3       | 38.6      | 1.5       | 42.0      | .8        |
| 00:45 | .7        | 85.0      | .7        | 16.2      | 1.4       | 43.9      | 1.9       | 47.4      | 1.3       |
| 01:00 | .7        | 77.4      | .9        | 28.3      | 1.9       | 54.2      | 2.5       | 52.6      | 1.5       |
| 01:15 | .6        | 72.4      | 1.2       | 43.6      | 2.3       | 57.3      | 2.4       | 53.3      | 1.1       |
| 01:30 | .5        | 79.3      | 1.4       | 58.5      | 2.4       | 57.2      | 2.0       | 53.6      | .6        |
| 01:45 | .5        | 94.6      | 1.0       | 61.3      | 2.1       | 54.1      | 2.2       | 47.5      | .6        |
| 02:00 | .4        | 87.1      | 1.1       | 46.2      | 2.4       | 51.2      | 2.3       | 45.7      | 1.0       |
| 02:15 | .3        | 74.2      | 1.5       | 46.6      | 2.7       | 47.8      | 2.1       | 40.2      | 1.3       |
| 02:30 | .4        | 73.4      | 1.6       | 47.4      | 2.8       | 38.7      | 2.1       | 31.5      | 1.7       |
| 02:45 | .5        | 97.3      | 2.0       | 40.1      | 3.0       | 35.0      | 2.5       | 26.8      | 2.4       |
| 03:00 | .7        | 128.6     | 1.8       | 34.8      | 2.7       | 36.4      | 2.8       | 29.7      | 2.4       |
| 03:15 | .6        | 109.9     | .9        | 44.6      | 2.3       | 40.4      | 2.9       | 37.8      | 2.6       |
| 03:30 | .6        | 75.3      | 1.0       | 67.9      | 2.2       | 48.5      | 3.0       | 42.7      | 2.5       |
| 03:45 | .8        | 71.6      | 1.7       | 64.9      | 2.6       | 55.0      | 3.1       | 53.0      | 2.5       |
| 04:00 | .9        | 64.3      | 1.5       | 61.9      | 3.0       | 53.5      | 3.4       | 57.8      | 3.6       |
| 04:15 | .6        | 67.5      | 1.3       | 72.0      | 3.1       | 55.7      | 3.9       | 55.3      | 3.9       |
| 04:30 | .4        | 39.8      | 1.3       | 56.2      | 3.2       | 51.6      | 4.3       | 48.1      | 4.0       |
| 04:45 | 1.0       | 22.0      | 1.8       | 39.3      | 3.7       | 41.3      | 4.4       | 43.3      | 4.0       |
| 05:00 | 1.3       | 41.2      | 1.9       | 38.1      | 3.5       | 37.9      | 4.2       | 45.1      | 4.4       |
| 05:15 | 1.2       | 23.3      | 1.8       | 32.0      | 2.7       | 35.7      | 4.2       | 40.4      | 4.3       |
| 05:30 | 1.3       | 9.6       | 1.8       | 28.9      | 2.4       | 34.5      | 4.0       | 40.1      | 4.5       |
| 05:45 | .8        | 2.9       | 1.4       | 34.9      | 2.1       | 51.3      | 3.4       | 57.4      | 3.7       |
| 06:00 | .4        | 32.1      | .8        | 56.1      | 1.9       | 69.9      | 3.3       | 67.2      | 3.5       |
| 06:15 | .1        | 19.2      | .5        | 55.9      | 1.7       | 60.2      | 3.2       | 57.4      | 3.4       |
| 06:30 | .4        | 290.0     | .5        | 35.9      | 1.3       | 41.5      | 2.8       | 45.4      | 3.2       |
| 06:45 | .3        | 43.9      | .4        | 28.5      | .9        | 40.7      | 2.3       | 50.4      | 3.2       |
| 07:00 | 1.2       | 81.7      | .5        | 21.2      | .8        | 58.9      | 2.0       | 67.5      | 2.6       |
| 07:15 | .8        | 91.8      | .8        | 27.4      | .9        | 67.0      | 2.1       | 69.5      | 2.6       |
| 07:30 | .2        | 107.5     | .9        | 31.3      | 1.1       | 74.0      | 2.2       | 72.3      | 2.6       |
| 07:45 | .1        | 275.4     | .7        | 31.3      | 1.0       | 76.9      | 2.1       | 74.7      | 2.4       |
| 08:00 | .5        | 288.8     | .6        | 26.2      | 1.1       | 64.3      | 2.8       | 57.4      | 2.9       |
| 08:15 | .3        | 359.4     | .9        | 45.8      | 1.6       | 62.5      | 3.5       | 58.1      | 3.8       |
| 08:30 | .9        | 71.7      | 1.4       | 64.6      | 2.1       | 72.9      | 3.9       | 66.9      | 3.8       |
| 08:45 | .9        | 84.0      | 1.5       | 75.4      | 2.6       | 79.7      | 4.2       | 72.7      | 3.9       |
| 09:00 | .7        | 95.6      | 1.6       | 68.1      | 2.7       | 72.0      | 4.1       | 67.3      | 4.5       |
| 09:15 | .8        | 94.4      | 1.7       | 62.4      | 2.7       | 59.6      | 4.0       | 57.4      | 5.2       |
| 09:30 | 1.0       | 89.4      | 1.7       | 63.1      | 2.8       | 56.5      | 4.1       | 57.0      | 5.3       |
| 09:45 | .7        | 101.4     | 1.4       | 72.0      | 2.6       | 67.4      | 3.5       | 64.8      | 4.5       |
| 10:00 | .8        | 116.3     | 1.6       | 96.6      | 2.1       | 81.6      | 2.6       | 72.0      | 3.5       |
| 10:15 | .7        | 100.3     | 1.5       | 81.3      | 1.5       | 67.8      | 1.8       | 71.5      | 2.4       |
| 10:30 | .8        | 87.3      | 1.4       | 51.7      | 1.3       | 46.8      | 1.7       | 59.9      | 2.1       |
| 10:45 | .9        | 74.6      | 1.2       | 52.8      | 1.2       | 56.1      | 1.5       | 53.5      | 1.7       |
| 11:00 | 1.1       | 66.8      | 1.5       | 71.8      | 1.3       | 62.7      | 1.2       | 70.8      | 1.5       |
| 11:15 | 1.3       | 56.7      | 1.9       | 72.1      | 1.6       | 66.0      | 1.5       | 73.2      | 1.6       |
| 11:30 | 1.6       | 37.2      | 1.6       | 71.3      | 1.7       | 79.3      | 1.7       | 82.0      | 1.4       |
| 11:45 | 1.6       | 62.6      | 1.9       | 79.6      | 2.2       | 94.1      | 2.3       | 94.7      | 1.6       |
| 12:00 | 1.1       | 87.5      | 1.4       | 88.3      | 1.7       | 85.4      | 1.7       | 82.2      | 1.1       |
| 12:15 | 1.3       | 100.7     | .8        | 94.7      | 1.1       | 84.8      | 1.1       | 96.5      | .7        |
| 12:30 | 1.1       | 106.6     | .6        | 98.5      | .6        | 118.1     | .5        | 128.9     | .4        |



## Daily Summary Report

Site: ORNL Sodar

9/8/2019

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 | 35.0      | .8        | 40.0      |           |           |           |           |           |           |
| 00:15 | 27.5      | .8        | 49.5      |           |           |           |           |           |           |
| 00:30 | 59.5      | 1.3       | 55.0      |           |           |           |           |           |           |
| 00:45 | 52.4      | 2.1       | 49.2      |           |           |           |           |           |           |
| 01:00 | 51.2      | 2.3       | 50.3      |           |           |           |           |           |           |
| 01:15 | 61.5      | 1.8       | 57.2      |           |           |           |           |           |           |
| 01:30 | 67.8      | 1.3       | 51.3      |           |           |           |           |           |           |
| 01:45 | 68.4      | .8        | 60.8      | 1.4       | 56.0      |           |           |           |           |
| 02:00 | 69.2      | 1.5       | 75.1      |           |           |           |           |           |           |
| 02:15 | 62.0      | 2.3       | 71.0      |           |           |           |           |           |           |
| 02:30 | 54.2      | 2.3       | 74.0      |           |           |           |           |           |           |
| 02:45 | 37.2      | 2.3       | 82.4      |           |           |           |           |           |           |
| 03:00 | 46.3      | 2.6       | 79.8      |           |           |           |           |           |           |
| 03:15 | 63.7      | 2.7       | 78.3      |           |           |           |           |           |           |
| 03:30 | 72.0      | 2.6       | 79.0      |           |           |           |           |           |           |
| 03:45 | 80.0      | 2.4       | 80.5      |           |           |           |           |           |           |
| 04:00 | 83.4      | 3.3       | 81.4      |           |           |           |           |           |           |
| 04:15 | 83.0      | 4.4       | 80.4      |           |           |           |           |           |           |
| 04:30 | 72.0      | 5.0       | 74.4      |           |           |           |           |           |           |
| 04:45 | 61.2      | 5.4       | 64.7      |           |           |           |           |           |           |
| 05:00 | 51.0      | 5.2       | 64.5      |           |           |           |           |           |           |
| 05:15 | 47.6      | 4.6       | 64.0      |           |           |           |           |           |           |
| 05:30 | 45.7      | 4.6       | 57.7      |           |           |           |           |           |           |
| 05:45 | 63.7      | 4.6       | 61.9      |           |           |           |           |           |           |
| 06:00 | 80.7      | 4.1       | 75.4      |           |           |           |           |           |           |
| 06:15 | 71.0      | 3.7       | 73.5      |           |           |           |           |           |           |
| 06:30 | 62.1      | 3.3       | 77.3      |           |           |           |           |           |           |
| 06:45 | 60.7      | 3.1       | 79.9      |           |           |           |           |           |           |
| 07:00 | 71.0      | 2.9       | 71.6      |           |           |           |           |           |           |
| 07:15 | 72.0      | 2.7       | 60.3      |           |           |           |           |           |           |
| 07:30 | 72.2      | 2.4       | 51.8      |           |           |           |           |           |           |
| 07:45 | 77.1      | 2.2       | 60.4      |           |           |           |           |           |           |
| 08:00 | 69.0      | 2.5       | 65.1      |           |           |           |           |           |           |
| 08:15 | 65.5      | 2.7       | 69.0      |           |           |           |           |           |           |
| 08:30 | 67.4      | 2.7       | 70.4      |           |           |           |           |           |           |
| 08:45 | 72.0      | 2.9       | 82.1      |           |           |           |           |           |           |
| 09:00 | 64.6      | 4.8       | 68.0      |           |           |           |           |           |           |
| 09:15 | 57.0      | 4.7       | 56.4      |           |           |           |           |           |           |
| 09:30 | 59.6      | 4.2       | 72.7      |           |           |           |           |           |           |
| 09:45 | 65.9      | 4.1       | 77.1      |           |           |           |           |           |           |
| 10:00 | 75.7      | 4.0       | 84.6      |           |           |           |           |           |           |
| 10:15 | 85.5      | 3.5       | 88.2      |           |           |           |           |           |           |
| 10:30 | 80.6      | 2.7       | 85.5      |           |           |           |           |           |           |
| 10:45 | 64.2      | 2.1       | 75.5      | 2.6       | 68.7      |           |           |           |           |
| 11:00 | 74.4      | 1.9       | 79.9      | 2.3       | 70.8      | 2.3       | 95.7      |           |           |
| 11:15 | 75.6      | 1.6       | 81.0      | 1.5       | 75.7      | 1.3       | 99.0      |           |           |
| 11:30 | 75.8      | 1.1       | 81.0      | 1.2       | 50.5      | .7        | 69.6      | 1.5       | 175.1     |
| 11:45 | 88.7      | .8        | 77.2      | 1.3       | 42.7      | .7        | 51.7      | 1.1       | 201.3     |
| 12:00 | 83.1      | .8        | 54.0      | .7        | 21.5      | 1.0       | 345.7     | 1.2       | 272.1     |
| 12:15 | 102.6     | .7        | 71.6      | .7        | 353.5     | 1.6       | 320.5     | 1.8       | 294.0     |
| 12:30 | 151.2     | .1        | 126.3     | .2        | 237.3     | 1.4       | 324.4     | 1.9       | 304.5     |



## Daily Summary Report

Site: ORNL Sodar

9/8/2019

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 |           |           |           |           |
| 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 | 2.4       | 259.3     |           |           |

|                 | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-----------------|-----------|-----------|-----------|-----------|
| Time            | M/SEC     | DEG       | M/SEC     | DEG       |
| 12:45           | 1.5       | 274.3     | 1.9       | 263.1     |
| 13:00           | .6        | 276.5     | 1.5       | 245.8     |
| 13:15           | 1.2       | 274.2     |           |           |
| 13:30           | 1.8       | 303.1     |           |           |
| 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           |           |           |           |           |
| <b>Avg</b>      | 1.5       | 277.0     | 1.7       | 254.0     |
| <b>Max</b>      | 2.4       | 303.1     | 1.9       | 263.1     |
| <b>Max Time</b> | 12:30     | 13:30     | 12:45     | 12:45     |
| <b>Min</b>      | .6        | 259.3     | 1.5       | 245.8     |
| <b>Count</b>    | 5         | 5         | 2         | 2         |
| <b>Total</b>    |           |           |           |           |