

## Daily Summary Report

Site: ORNL Sodar

8/13/2018

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 | .3        | 94.1        | 1.5       | 19.1        | 1.8       | 15.7        | 1.4       | 13.7        | .8        |
| 00:15 | .2        | 74.2        | 2.2       | 17.2        | 1.1       | 18.6        | .6        | 14.9        | .8        |
| 00:30 | .2        | 59.4        | 1.8       | 24.0        | 1.6       | 21.0        | .5        | 28.7        | .7        |
| 00:45 | .2        | 47.2        | 1.5       | 27.9        | 1.9       | 20.5        | .7        | 27.2        | .7        |
| 01:00 | .3        | 60.0        | 1.6       | 19.0        | 1.1       | 20.8        | .9        | 41.2        | .9        |
| 01:15 | .1        | 269.3       | 1.2       | 5.4         | 1.0       | 16.7        | 1.3       | 31.9        | 1.4       |
| 01:30 | .3        | 285.7       | .8        | 358.7       | 1.5       | 12.5        | 1.9       | 21.9        | 1.5       |
| 01:45 | .2        | 67.2        | .7        | 2.2         | 1.2       | 11.5        | 1.6       | 18.7        | 1.3       |
| 02:00 | .1        | 50.7        | .5        | 357.1       | 1.0       | 10.3        | 1.6       | 15.2        | 1.0       |
| 02:15 | .2        | 34.5        | .4        | 346.5       | 1.2       | 14.6        | 1.9       | 20.1        | .6        |
| 02:30 | .3        | 31.9        | .7        | 354.7       | 1.3       | 19.9        | 1.6       | 21.8        | .6        |
| 02:45 | .2        | 88.0        | .9        | 3.4         | 1.2       | 24.9        | 1.1       | 19.9        | .7        |
| 03:00 | .1        | 67.1        | .7        | 3.7         | .9        | 26.0        | .9        | 17.0        | .5        |
| 03:15 | .1        | 263.1       | .5        | 8.2         | 1.2       | 23.4        | 1.5       | 21.9        | 1.5       |
| 03:30 | .1        | 250.5       | .3        | .9          | 1.1       | 24.2        | 2.1       | 25.0        | 2.5       |
| 03:45 | .0        | 73.4        | .3        | 2.2         | .7        | 21.6        | 1.7       | 26.1        | 1.8       |
| 04:00 | .3        | 58.6        | .7        | 12.5        | .6        | 27.9        | 1.0       | 33.1        | 1.3       |
| 04:15 | .4        | 18.6        | 1.3       | 10.4        | 1.0       | 24.7        | 1.2       | 31.3        | 1.7       |
| 04:30 | .3        | 31.6        | 1.2       | 18.2        | 1.0       | 26.5        | 1.6       | 33.5        | 1.7       |
| 04:45 | .3        | 34.1        | .7        | 23.7        | .9        | 39.3        | 1.3       | 45.3        | .9        |
| 05:00 | .2        | 14.2        | .4        | 350.7       | 1.2       | 40.9        | 1.0       | 35.1        | .7        |
| 05:15 | .2        | 327.8       | .3        | 2.8         | 1.3       | 43.2        | 1.0       | 25.6        | 1.4       |
| 05:30 | .1        | 296.8       | .6        | 12.7        | 1.2       | 44.6        | 1.0       | 45.8        | 1.9       |
| 05:45 | .2        | 319.1       | 1.0       | 354.1       | 1.2       | 33.0        | 1.1       | 42.5        | 2.2       |
| 06:00 | .3        | 291.9       | 1.8       | 358.9       | 1.7       | 25.3        | 1.9       | 22.6        | 3.2       |
| 06:15 | .5        | 286.9       | 1.5       | 357.8       | 1.4       | 24.3        | 1.8       | 21.6        | 3.0       |
| 06:30 | .7        | 286.2       | .7        | 329.1       | .5        | 17.6        | .9        | 19.4        | 2.3       |
| 06:45 | .6        | 282.3       | .5        | 324.7       | .4        | 10.9        | .7        | 359.2       | 1.4       |
| 07:00 | .2        | 304.7       | .7        | 356.2       | .6        | 17.1        | .8        | 348.6       | .7        |
| 07:15 | .2        | 303.3       | .7        | 3.4         | .6        | 34.6        | .8        | 14.7        | .9        |
| 07:30 | .3        | 320.9       | .4        | 11.4        | .2        | 45.5        | .5        | 48.4        | 1.0       |
| 07:45 | .2        | 336.0       | .3        | 41.6        | .1        | 203.5       | .3        | 113.5       | 1.0       |
| 08:00 | .2        | 297.6       | .1        | 29.2        | .2        | 138.1       | .3        | 114.3       | 1.3       |
| 08:15 | .2        | 252.0       | .2        | 56.1        | .4        | 88.2        | .3        | 102.8       | 1.1       |
| 08:30 | .2        | 155.5       | .5        | 52.2        | .5        | 30.0        | .3        | 31.2        | .5        |
| 08:45 | .2        | 146.7       | .7        | 53.7        | .6        | 16.7        | .4        | 10.4        | .6        |
| 09:00 | .2        | 162.0       | .5        | 61.4        | .5        | 45.9        | .4        | 26.0        | 1.1       |
| 09:15 | .1        | 94.9        | .3        | 53.2        | .6        | 36.3        | 1.1       | 27.6        | 1.9       |
| 09:30 | .4        | 115.9       | .6        | 13.0        | .7        | 18.9        | 1.3       | 21.2        | 2.3       |
| 09:45 | .3        | 113.5       | .3        | 2.7         | .3        | 16.5        | .6        | 9.5         | 1.7       |
| 10:00 | .2        | 100.4       | .6        | 59.2        | .7        | 48.7        | .7        | 17.2        | 1.1       |
| 10:15 | .2        | 208.3       | .5        | 53.3        | .7        | 47.5        | .5        | 39.7        | .5        |
| 10:30 | .5        | 186.5       | .2        | 179.0       | .2        | 139.2       | .3        | 114.1       | .2        |
| 10:45 | .2        | 289.8       | .1        | 98.7        | .2        | 56.7        | .5        | 31.5        | .6        |
| 11:00 | .6        | 331.5       | .1        | 16.7        | .5        | 335.0       | .8        | 355.0       | .4        |
| 11:15 | .2        | 73.7        | .7        | 63.3        | .5        | 16.8        | .6        | 16.3        | .1        |
| 11:30 | 1.2       | 69.7        | 2.5       | 69.7        | 2.2       | 70.1        | 1.8       | 75.4        | 1.5       |
| 11:45 | 1.0       | 28.0        | 2.2       | 71.8        | 2.1       | 75.0        | 1.6       | 75.1        | 1.2       |
| 12:00 | .3        | 16.3        | .1        | 271.2       | .5        | 96.5        | .6        | 68.5        | .4        |
| 12:15 | .2        | 32.1        | .4        | 259.6       | .1        | 299.1       | .1        | 83.1        | .1        |



## Daily Summary Report

Site: ORNL Sodar

8/13/2018

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 | 9.8         | .6        | 20.4        | .3        | 71.3        | .4        | 200.0       |           |             |
| 00:15 | 27.8        | .7        | 31.9        | .6        | 26.9        | .5        | 181.1       |           |             |
| 00:30 | 43.1        | .4        | 45.5        | .1        | 66.9        | .7        | 150.0       |           |             |
| 00:45 | 56.2        | .4        | 34.9        | .4        | 149.7       | .7        | 197.9       |           |             |
| 01:00 | 34.7        | .8        | 56.2        | .4        | 300.7       | .8        | 119.5       |           |             |
| 01:15 | 24.6        | .9        | 66.2        | .6        | 22.0        | .9        | 113.7       |           |             |
| 01:30 | 28.9        | .7        | 93.7        | .9        | 47.8        | .8        | 170.0       |           |             |
| 01:45 | 30.8        | .5        | 88.3        | .5        | 39.8        | .8        | 234.3       |           |             |
| 02:00 | 36.9        | .4        | 26.2        | .5        | 50.0        | 1.0       | 190.0       |           |             |
| 02:15 | 37.7        | .3        | 35.5        | .3        | 354.8       | 1.5       | 158.2       |           |             |
| 02:30 | 32.5        | .3        | 24.2        | .4        | 230.0       | .1        | 94.8        |           |             |
| 02:45 | 38.4        | .4        | 34.4        | .7        | 194.4       | .6        | 353.0       |           |             |
| 03:00 | 45.4        | .4        | 59.9        | .4        | 154.3       | .3        | 333.5       |           |             |
| 03:15 | 49.2        | .5        | 36.5        | .2        | 121.6       | .5        | 173.5       |           |             |
| 03:30 | 45.7        | .5        | 39.3        | .3        | 134.1       | 1.3       | 189.2       |           |             |
| 03:45 | 46.3        | .1        | 324.6       | .5        | 110.9       | 1.3       | 226.1       |           |             |
| 04:00 | 55.8        | .2        | 279.1       | .6        | 74.7        | 1.1       | 224.7       |           |             |
| 04:15 | 57.9        | .3        | 15.5        | 1.1       | 66.6        | .7        | 136.4       |           |             |
| 04:30 | 51.1        | .4        | 22.0        | .8        | 84.1        |           |             |           |             |
| 04:45 | 45.6        | .3        | 19.0        | .2        | 114.2       |           |             |           |             |
| 05:00 | 59.3        | .2        | 102.9       | .9        | 248.4       |           |             |           |             |
| 05:15 | 56.1        | .3        | 109.4       | 1.4       | 226.2       |           |             |           |             |
| 05:30 | 48.6        | .4        | 20.8        | .9        | 247.0       | .9        | 200.5       |           |             |
| 05:45 | 41.2        | .8        | 8.8         | .5        | 312.9       |           |             |           |             |
| 06:00 | 30.1        | 1.4       | 36.2        |           |             |           |             |           |             |
| 06:15 | 27.7        | 2.9       | 52.0        |           |             |           |             |           |             |
| 06:30 | 37.5        | 1.5       | 35.2        |           |             |           |             |           |             |
| 06:45 | 48.5        | .8        | 326.6       |           |             |           |             |           |             |
| 07:00 | 17.5        | .9        | 355.9       |           |             |           |             |           |             |
| 07:15 | 18.3        | .6        | 34.1        |           |             |           |             |           |             |
| 07:30 | 18.7        | 1.0       | 32.2        |           |             |           |             |           |             |
| 07:45 | 35.6        | 1.3       | 34.5        |           |             |           |             |           |             |
| 08:00 | 40.2        | 1.6       | 28.0        |           |             |           |             |           |             |
| 08:15 | 34.4        | 1.9       | 20.2        |           |             |           |             |           |             |
| 08:30 | 12.3        | 1.8       | 56.5        |           |             |           |             |           |             |
| 08:45 | 8.1         | .7        | 24.9        |           |             |           |             |           |             |
| 09:00 | 17.0        | 1.0       | 44.0        |           |             |           |             |           |             |
| 09:15 | 22.9        | 1.4       | 62.0        |           |             |           |             |           |             |
| 09:30 | 30.7        | 1.1       | 21.1        |           |             |           |             |           |             |
| 09:45 | 32.5        | 1.5       | 26.1        |           |             |           |             |           |             |
| 10:00 | 22.1        | 1.8       | 48.4        |           |             |           |             |           |             |
| 10:15 | 16.9        | 1.2       | 53.5        | 5.2       | 74.5        |           |             |           |             |
| 10:30 | 63.4        | .4        | 41.6        | 2.0       | 59.8        |           |             |           |             |
| 10:45 | 30.2        | .5        | 12.8        | .3        | 322.6       |           |             |           |             |
| 11:00 | 343.6       | .7        | 326.7       | 1.2       | 303.6       |           |             |           |             |
| 11:15 | 254.2       | .5        | 304.0       | .9        | 332.0       |           |             |           |             |
| 11:30 | 88.3        | 1.6       | 110.7       | 1.5       | 102.0       |           |             |           |             |
| 11:45 | 98.1        | 1.8       | 115.1       | 1.8       | 92.5        | 3.4       | 79.9        |           |             |
| 12:00 | 83.9        | 1.1       | 88.6        | 1.8       | 75.1        | 2.6       | 65.1        |           |             |
| 12:15 | 323.1       | .4        | 55.6        | .6        | 67.2        |           |             |           |             |



## Daily Summary Report

Site: ORNL Sodar

8/13/2018

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      |           |             |           |             |           |             |