

## Daily Summary Report

Site: ORNL Sodar

3/3/2019

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 | .3        | .1          | 1.6       | 45.5        | 3.1       | 41.0        | 5.0       | 40.6        | 6.5       |
| 00:15 | .8        | 67.0        | 2.8       | 61.6        | 4.3       | 47.7        | 6.1       | 46.5        | 7.2       |
| 00:30 | 1.1       | 52.4        | 2.3       | 58.5        | 3.5       | 42.2        | 5.1       | 43.0        | 6.0       |
| 00:45 | .3        | 344.6       | 1.1       | 40.7        | 2.3       | 31.9        | 4.1       | 29.9        | 5.3       |
| 01:00 | .0        | 240.2       | .8        | 45.8        | 1.5       | 38.8        | 3.5       | 27.0        | 5.1       |
| 01:15 | .1        | 113.4       | .8        | 62.5        | 1.5       | 46.0        | 3.4       | 37.0        | 4.8       |
| 01:30 | .3        | 134.6       | .5        | 68.5        | 1.4       | 39.1        | 2.7       | 36.8        | 3.9       |
| 01:45 | .5        | 188.2       | .4        | 313.8       | .6        | 11.7        | 1.2       | 26.0        | 2.3       |
| 02:00 | .7        | 198.2       | .7        | 298.5       | .2        | 2.2         | .7        | 39.9        | 1.9       |
| 02:15 | .8        | 186.5       | .4        | 309.9       | .3        | 36.5        | .8        | 56.8        | 1.6       |
| 02:30 | .6        | 172.9       | .2        | 292.2       | .3        | 38.9        | .8        | 59.9        | 1.0       |
| 02:45 | .2        | 138.1       | .1        | 40.0        | .5        | 56.5        | .9        | 72.9        | 1.4       |
| 03:00 | .1        | 52.3        | .3        | 93.8        | .4        | 81.3        | 1.1       | 79.2        | 2.3       |
| 03:15 | .1        | 43.3        | .5        | 91.8        | .8        | 75.6        | 1.5       | 73.3        | 2.2       |
| 03:30 | .2        | 137.1       | .7        | 81.3        | 1.1       | 65.2        | 1.6       | 74.2        | 1.6       |
| 03:45 | .4        | 148.0       | .7        | 69.1        | 1.3       | 72.9        | 2.4       | 71.5        | 2.6       |
| 04:00 | .4        | 155.8       | .6        | 64.1        | 1.4       | 67.1        | 2.6       | 66.3        | 3.5       |
| 04:15 | .4        | 156.1       | .5        | 66.7        | 1.2       | 63.7        | 2.0       | 63.1        | 3.0       |
| 04:30 | .3        | 169.9       | .6        | 65.3        | 1.0       | 69.9        | 1.8       | 65.9        | 2.1       |
| 04:45 | .3        | 185.2       | .7        | 63.7        | 1.1       | 59.7        | 1.8       | 61.7        | 1.9       |
| 05:00 | .3        | 124.2       | 1.1       | 66.0        | 2.1       | 72.1        | 2.5       | 70.2        | 2.6       |
| 05:15 | .3        | 104.2       | 1.0       | 65.2        | 2.0       | 78.3        | 2.5       | 75.4        | 2.6       |
| 05:30 | .0        | 240.8       | .7        | 60.3        | .8        | 68.1        | 1.7       | 66.9        | 1.7       |
| 05:45 | .4        | 292.1       | .5        | 48.0        | .4        | 69.4        | 1.1       | 74.2        | 1.6       |
| 06:00 | .6        | 295.2       | .7        | 69.4        | .7        | 82.0        | 1.2       | 83.3        | 1.7       |
| 06:15 | .4        | 281.0       | 1.2       | 72.3        | 1.1       | 72.9        | 2.7       | 80.8        | 3.0       |
| 06:30 | .1        | 153.7       | .7        | 67.6        | .7        | 84.9        | 1.9       | 83.4        | 2.1       |
| 06:45 | .2        | 143.7       | .4        | 87.4        | .5        | 149.3       | .5        | 118.8       | .9        |
| 07:00 | .2        | 108.6       | .0        | 346.8       | .4        | 130.3       | .5        | 121.1       | .9        |
| 07:15 | .4        | 111.0       | .2        | 266.2       | .0        | 228.5       | .4        | 76.5        | .9        |
| 07:30 | .4        | 146.6       | .3        | 65.4        | .2        | 206.7       | .4        | 84.7        | 1.2       |
| 07:45 | .2        | 147.9       | .2        | 53.0        | .3        | 70.0        | .4        | 92.3        | 1.3       |
| 08:00 | .2        | 225.0       | .4        | 339.5       | .6        | 30.4        | .4        | 75.3        | .6        |
| 08:15 | .3        | 237.2       | .8        | 7.2         | 1.5       | 28.4        | 1.2       | 46.5        | .6        |
| 08:30 | .1        | 258.4       | .6        | 358.5       | 2.0       | 20.9        | 1.5       | 39.5        | .8        |
| 08:45 | .2        | 301.5       | .5        | 306.4       | 1.1       | 15.1        | 1.0       | 33.8        | .8        |
| 09:00 | .3        | 302.3       | .5        | 263.2       | .6        | 50.5        | .6        | 58.2        | .8        |
| 09:15 | .4        | 309.8       | .3        | 231.3       | .6        | 66.9        | .8        | 80.8        | 1.3       |
| 09:30 | .3        | 351.7       | .2        | 290.9       | .5        | 75.9        | .9        | 75.3        | 1.3       |
| 09:45 | .4        | 18.1        | .3        | 293.9       | .4        | 68.5        | .7        | 70.7        | 1.0       |
| 10:00 | .5        | 9.7         | .2        | 317.5       | .5        | 45.5        | .5        | 63.4        | .8        |
| 10:15 | .4        | 13.5        | .4        | 334.0       | .5        | 58.0        | .2        | 97.2        | .5        |
| 10:30 | .4        | 25.5        | .4        | 325.5       | .8        | 44.4        | .4        | 56.1        | .3        |
| 10:45 | .4        | 37.9        | .2        | 288.4       | .8        | 40.3        | .8        | 60.7        | .6        |
| 11:00 | .7        | 66.2        | .3        | 310.0       | .5        | 44.4        | .4        | 68.1        | .8        |
| 11:15 | .8        | 84.7        | .2        | 337.7       | .6        | 55.2        | .3        | 81.3        | .6        |
| 11:30 | .3        | 112.5       | .1        | 325.7       | .5        | 46.4        | .5        | 50.1        | .4        |
| 11:45 | .3        | 124.5       | .2        | 316.0       | .5        | 11.7        | .4        | 14.9        | .4        |
| 12:00 | .5        | 108.2       | .3        | 294.6       | .6        | 13.0        | .3        | 330.0       | .5        |
| 12:15 | .5        | 109.9       | .1        | 55.1        |           |             |           |             | .8        |
| 12:30 | .5        | 93.8        | .5        | 162.3       |           |             |           |             | 1.1       |







## Daily Summary Report

Site: ORNL Sodar

3/3/2019

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 | 4.3       | 172.2       |           |             |           |             |
| 00:15 | 3.1       | 193.6       |           |             |           |             |
| 00:30 | 1.3       | 236.1       |           |             |           |             |
| 00:45 | 1.5       | 245.5       |           |             |           |             |
| 01:00 | 1.5       | 246.0       |           |             |           |             |
| 01:15 | 1.8       | 248.0       |           |             |           |             |
| 01:30 | 2.0       | 250.0       |           |             |           |             |
| 01:45 | 2.0       | 251.0       |           |             |           |             |
| 02:00 | 2.3       | 254.0       |           |             |           |             |
| 02:15 | 2.5       | 257.6       |           |             |           |             |
| 02:30 | 1.1       | 257.7       |           |             |           |             |
| 02:45 | .3        | 146.4       |           |             |           |             |
| 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      | 15.7      | 220.5       | 15.5      | 224.1       | 14.6      | 219.0       |
| 15:15      |           |             |           |             | 14.8      | 240.0       |
| 15:30      |           |             |           |             | 14.8      | 270.0       |
| 15:45      |           |             |           |             | 15.0      | 300.0       |
| 16:00      | 15.2      | 321.3       | 14.7      | 317.3       | 15.1      | 315.1       |
| 16:15      | 15.2      | 318.0       |           |             |           |             |
| 16:30      | 15.2      | 316.7       |           |             |           |             |
| 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      | 2.9       | 16.8        |           |             |           |             |
| 20:45      | 2.7       | 8.1         |           |             |           |             |
| 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        | 5.0       | 220.0       | 15.1      | 270.7       | 14.9      | 268.8       |
| Max        | 15.7      | 321.3       | 15.5      | 317.3       | 15.1      | 315.1       |
| Hr. of Max | 60        | 64          | 60        | 64          | 64        | 64          |
| Min        | .3        | 8.1         | 14.7      | 224.1       | 14.6      | 219.0       |
| Count      | 18        | 18          | 2         | 2           | 5         | 5           |
| Total      |           |             |           |             |           |             |