

## Daily Summary Report

Site: ORNL Sodar

11/1/2019

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 | 1.5       | 78.0      | 1.8       | 292.0     | 3.1       | 293.0     | 3.6       | 293.0     | 3.0       |
| 00:15 | 2.2       | 85.6      | 1.7       | 288.8     | 3.4       | 290.1     | 4.1       | 290.1     | 3.6       |
| 00:30 | .8        | 68.2      | 1.1       | 290.0     | 2.3       | 287.5     | 3.0       | 290.5     | 2.3       |
| 00:45 | 1.0       | 69.8      | 1.1       | 288.9     | 2.2       | 283.9     | 2.3       | 289.2     | 1.7       |
| 01:00 | .7        | 62.5      | 1.3       | 297.9     | 2.5       | 285.3     | 2.5       | 288.3     | 2.0       |
| 01:15 | .3        | 46.7      | 1.3       | 295.2     | 2.5       | 285.0     | 3.0       | 288.5     | 2.1       |
| 01:30 | .3        | 40.4      | 1.0       | 290.1     | 2.1       | 285.7     | 2.5       | 288.8     | 1.7       |
| 01:45 | .3        | 353.4     | .6        | 288.7     | 1.4       | 288.9     | 1.7       | 290.8     | 1.1       |
| 02:00 | .3        | 322.5     | .7        | 291.7     | 1.5       | 287.7     | 1.6       | 291.7     | 1.7       |
| 02:15 | .1        | 326.5     | 1.4       | 288.0     | 2.5       | 283.4     | 3.0       | 285.9     | 3.7       |
| 02:30 | .1        | 73.6      | 1.4       | 295.9     | 2.7       | 281.0     | 3.4       | 283.4     | 3.4       |
| 02:45 | .3        | .8        | .9        | 311.2     | 1.9       | 286.5     | 2.8       | 291.4     | 2.9       |
| 03:00 | .6        | 311.4     | 1.1       | 300.9     | 2.3       | 295.6     | 3.0       | 300.5     | 3.3       |
| 03:15 | .5        | 50.8      | 1.1       | 296.2     | 2.5       | 296.6     | 2.7       | 302.8     | 2.7       |
| 03:30 | 1.1       | 69.0      | .9        | 298.6     | 1.7       | 303.0     | 1.7       | 309.9     | 1.2       |
| 03:45 | .8        | 52.3      | .8        | 316.4     | .9        | 319.8     | .7        | 312.7     | .6        |
| 04:00 | .5        | 35.3      | .4        | 330.1     | .4        | 339.7     | .3        | 330.0     | .4        |
| 04:15 | .4        | 21.6      | .4        | 338.4     | .3        | 325.1     | .3        | 331.4     | .4        |
| 04:30 | .4        | 348.9     | .5        | 340.2     | .3        | 312.1     | .7        | 336.5     | .5        |
| 04:45 | .4        | 333.8     | .8        | 339.9     | .5        | 323.1     | 1.1       | 339.1     | .4        |
| 05:00 | .4        | 342.6     | 1.0       | 352.1     | .9        | 343.2     | 1.0       | 343.3     | .2        |
| 05:15 | .5        | 342.2     | 1.4       | 358.7     | 1.2       | 353.3     | .7        | 345.1     | .2        |
| 05:30 | .4        | 340.6     | 1.7       | 358.5     | .4        | 339.0     | .2        | 297.7     | .1        |
| 05:45 | .4        | 356.3     | 1.5       | 2.6       | .2        | 296.8     | .2        | 278.0     | .1        |
| 06:00 | .4        | 17.4      | 1.2       | 3.7       | .2        | 327.7     | .3        | 320.3     | .2        |
| 06:15 | .2        | 36.2      | .9        | 5.8       | .5        | 20.1      | .8        | 16.6      | .7        |
| 06:30 | .2        | 49.3      | .6        | 19.0      | .7        | 23.5      | 1.1       | 16.7      | .9        |
| 06:45 | .3        | 303.1     | .7        | 31.9      | .9        | 20.5      | 1.3       | 16.5      | 1.0       |
| 07:00 | .8        | 274.0     | .9        | 44.9      | 1.4       | 31.1      | 1.4       | 36.8      | 1.0       |
| 07:15 | .8        | 266.5     | .6        | 53.3      | 1.1       | 52.3      | 1.2       | 47.4      | .8        |
| 07:30 | .5        | 264.6     | .3        | 358.8     | .6        | 66.5      | .9        | 40.6      | .8        |
| 07:45 | .3        | 268.8     | .3        | 344.7     | .5        | 60.9      | .6        | 24.0      | 1.0       |
| 08:00 | .3        | 268.1     | .3        | 4.2       | .6        | 31.5      | .7        | 1.6       | .6        |
| 08:15 | .1        | 180.3     | .3        | 353.7     | .5        | 37.3      | .7        | 19.6      | .3        |
| 08:30 | .4        | 90.4      | .3        | 355.1     | .5        | 44.8      | .8        | 33.3      | .2        |
| 08:45 | .3        | 89.6      | .3        | 11.1      | .4        | 28.6      | .6        | 29.5      | .4        |
| 09:00 | .4        | 87.5      | .2        | 339.3     | .3        | 11.8      | .4        | 46.3      | .6        |
| 09:15 | .4        | 72.7      | .2        | 322.6     | .2        | 17.0      | .3        | 73.4      | .7        |
| 09:30 | .3        | 72.2      | .2        | 2.7       | .4        | 59.6      | .3        | 102.5     | .5        |
| 09:45 | .3        | 78.4      | .4        | 12.9      | .4        | 65.7      | .2        | 119.8     | .5        |
| 10:00 | .4        | 66.7      | .8        | 22.6      | .8        | 64.0      | .7        | 53.1      | 1.0       |
| 10:15 | .4        | 46.7      | 1.3       | 45.4      | 1.8       | 60.4      | 1.8       | 52.3      | 1.9       |
| 10:30 | .3        | 12.0      | 1.2       | 55.6      | 1.9       | 53.7      | 2.6       | 57.0      | 2.1       |
| 10:45 | .2        | 2.8       | 1.0       | 54.7      | 1.3       | 55.0      | 2.0       | 53.2      | 1.3       |
| 11:00 | .2        | 32.0      | 1.3       | 32.0      | 1.3       | 48.3      | 1.6       | 51.3      | 1.2       |
| 11:15 | .5        | 60.9      | 1.8       | 33.7      | 1.7       | 44.4      | 1.7       | 53.8      | 2.4       |
| 11:30 | .7        | 70.9      | 1.7       | 56.1      | 2.1       | 60.6      | 2.0       | 65.4      | 3.0       |
| 11:45 | .5        | 54.1      | 1.3       | 52.5      | 1.8       | 54.1      | 2.0       | 50.6      | 1.9       |
| 12:00 | .5        | 51.1      | 1.8       | 46.8      | 1.5       | 50.6      | 1.7       | 40.6      | 1.4       |
| 12:15 | .7        | 69.7      | 2.0       | 62.1      | 1.7       | 67.1      | 2.1       | 63.5      | 2.0       |
| 12:30 | 1.6       | 78.1      | 2.6       | 77.7      | 2.8       | 81.9      | 3.1       | 81.8      | 3.5       |



## Daily Summary Report

Site: ORNL Sodar

11/1/2019

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 | 293.0     | 3.3       | 286.0     | 5.8       | 296.0     | 8.8       | 315.0     | 12.0      | 316.0     |
| 00:15 | 290.7     | 4.0       | 283.5     | 6.1       | 292.2     | 7.3       | 303.8     | 11.1      | 316.9     |
| 00:30 | 296.5     | 2.9       | 289.4     | 6.4       | 302.8     | 7.7       | 317.1     | 9.6       | 320.4     |
| 00:45 | 300.7     | 2.2       | 293.8     | 6.8       | 313.8     | 9.3       | 320.9     | 10.3      | 320.0     |
| 01:00 | 294.4     | 3.6       | 286.4     | 8.0       | 313.7     | 10.1      | 314.6     | 11.1      | 319.0     |
| 01:15 | 292.7     | 3.9       | 286.8     | 8.6       | 307.3     | 10.1      | 314.1     | 10.6      | 317.4     |
| 01:30 | 297.5     | 2.3       | 300.4     | 8.2       | 307.2     | 9.5       | 313.2     | 9.8       | 318.1     |
| 01:45 | 303.2     | 1.4       | 305.3     | 6.7       | 315.7     | 8.7       | 313.0     | 8.8       | 320.8     |
| 02:00 | 295.4     | 2.8       | 303.5     | 7.4       | 318.1     | 8.2       | 318.6     | 8.8       | 328.4     |
| 02:15 | 292.2     | 4.8       | 305.2     | 7.8       | 320.0     | 8.1       | 323.7     | 9.2       | 328.0     |
| 02:30 | 291.3     | 4.3       | 302.2     | 7.6       | 326.7     | 8.9       | 331.9     |           |           |
| 02:45 | 297.5     | 4.3       | 317.2     | 7.0       | 334.0     | 9.0       | 348.5     |           |           |
| 03:00 | 320.0     | 4.7       | 333.6     | 6.1       | 346.6     | 8.1       | 359.1     | 10.3      | 357.1     |
| 03:15 | 324.9     | 2.9       | 331.8     | 5.0       | 353.6     | 6.1       | .7        |           |           |
| 03:30 | 316.3     | 1.1       | 308.6     | 2.7       | 355.4     |           |           |           |           |
| 03:45 | 329.1     | .5        | 302.1     | 2.1       | 356.4     |           |           |           |           |
| 04:00 | 336.8     | .4        | 339.7     | 2.4       | 351.9     |           |           |           |           |
| 04:15 | 340.0     | .5        | 352.9     | 2.3       | 354.0     |           |           |           |           |
| 04:30 | 348.4     | .3        | 353.0     | 1.6       | 353.9     |           |           |           |           |
| 04:45 | 345.0     | .2        | 311.5     | .2        | 348.3     |           |           |           |           |
| 05:00 | 23.6      | .1        | 303.4     | .2        | 205.8     |           |           |           |           |
| 05:15 | 49.2      | .2        | 33.7      |           |           |           |           |           |           |
| 05:30 | 75.1      | .1        | 353.5     |           |           |           |           |           |           |
| 05:45 | 149.5     | .1        | 60.7      |           |           |           |           |           |           |
| 06:00 | 6.4       | .2        | 18.4      |           |           |           |           |           |           |
| 06:15 | 355.8     | .2        | 299.9     |           |           |           |           |           |           |
| 06:30 | 359.5     | .8        | 8.3       |           |           |           |           |           |           |
| 06:45 | 10.2      | 1.1       | 29.5      |           |           |           |           |           |           |
| 07:00 | 29.3      | .7        | 66.9      |           |           |           |           |           |           |
| 07:15 | 40.4      | .3        | 87.4      |           |           |           |           |           |           |
| 07:30 | 62.4      | .3        | 84.8      |           |           |           |           |           |           |
| 07:45 | 65.2      | .6        | 71.7      |           |           |           |           |           |           |
| 08:00 | 60.2      | .8        | 50.4      |           |           |           |           |           |           |
| 08:15 | 39.8      | 1.1       | 356.5     |           |           |           |           |           |           |
| 08:30 | 37.4      | .7        | 352.9     |           |           |           |           |           |           |
| 08:45 | 48.0      | .7        | 44.1      |           |           |           |           |           |           |
| 09:00 | 67.9      | 1.3       | 1.7       |           |           |           |           |           |           |
| 09:15 | 63.7      | .7        | 9.2       |           |           |           |           |           |           |
| 09:30 | 62.7      | .7        | 75.6      |           |           |           |           |           |           |
| 09:45 | 81.5      | .7        | 112.1     |           |           |           |           |           |           |
| 10:00 | 68.7      | 1.6       | 69.6      |           |           |           |           |           |           |
| 10:15 | 62.0      | 3.0       | 53.3      | 4.4       | 52.2      |           |           |           |           |
| 10:30 | 53.2      | 2.8       | 30.9      | 3.9       | 45.0      |           |           |           |           |
| 10:45 | 45.2      | 2.4       | 12.3      | 3.4       | 30.0      |           |           |           |           |
| 11:00 | 51.7      | 1.6       | 17.2      | 2.7       | 12.9      |           |           |           |           |
| 11:15 | 64.2      | 2.5       | 50.5      | 2.6       | 62.6      | 2.7       | 83.2      |           |           |
| 11:30 | 68.5      | 3.2       | 55.9      | 4.3       | 48.6      |           |           |           |           |
| 11:45 | 62.4      | 2.1       | 46.0      | 3.8       | 3.5       |           |           |           |           |
| 12:00 | 46.3      | 1.4       | 37.3      | 1.6       | 3.2       |           |           |           |           |
| 12:15 | 59.7      | 2.0       | 67.3      | 1.7       | 71.9      |           |           |           |           |
| 12:30 | 80.0      | 3.6       | 82.8      | 3.7       | 85.8      |           |           |           |           |



## Daily Summary Report

Site: ORNL Sodar

11/1/2019

Interval: 015m

|       | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-------|-----------|-----------|-----------|-----------|
| Time  | M/SEC     | DEG       | M/SEC     | DEG       |
| 00:00 | 11.7      | 317.0     |           |           |
| 00:15 | 12.1      | 321.2     | 14.1      | 315.6     |
| 00:30 | 11.9      | 321.0     |           |           |
| 00:45 | 11.7      | 320.0     |           |           |
| 01:00 | 11.5      | 319.0     |           |           |
| 01:15 | 11.3      | 319.0     |           |           |
| 01:30 | 11.0      | 318.4     |           |           |
| 01:45 | 10.8      | 324.7     |           |           |
| 02:00 | 10.9      | 330.4     |           |           |
| 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 |           |           |           |           |

|                 | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-----------------|-----------|-----------|-----------|-----------|
| Time            | M/SEC     | DEG       | M/SEC     | DEG       |
| 12:45           |           |           |           |           |
| 13:00           |           |           |           |           |
| 13:15           | 3.1       | 97.4      | 3.9       | 46.1      |
| 13:30           | 3.3       | 90.0      | 3.6       | 61.3      |
| 13:45           | 3.9       | 82.0      | 3.9       | 79.7      |
| 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           | 3.8       | 6.7       |           |           |
| 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>      | 9.0       | 342.0     | 6.4       | 42.0      |
| <b>Max</b>      | 12.1      | 330.4     | 14.1      | 315.6     |
| <b>Max Time</b> | 00:15     | 02:00     | 00:15     | 00:15     |
| <b>Min</b>      | 3.1       | 6.7       | 3.6       | 46.1      |
| <b>Count</b>    | 13        | 13        | 4         | 4         |
| <b>Total</b>    |           |           |           |           |