

## Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

11/8/2020

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     | DEGC      | M/SEC     | DEGC      | M/SEC     | DEGC      | M/SEC     |
| 00:00 | .3        | 54.0      | 1.0       | 83.0      | 1.7       | 63.0      | 1.3       | 65.0      | 1.0       |
| 00:15 | .3        | 58.6      | 1.1       | 81.8      | 1.8       | 60.5      | 1.0       | 55.2      | .9        |
| 00:30 | .2        | 49.1      | .9        | 86.3      | 1.9       | 62.5      | .8        | 84.3      | .6        |
| 00:45 | .2        | 43.0      | 1.1       | 66.1      | 1.6       | 60.2      | .5        | 97.1      | .5        |
| 01:00 | .4        | 42.5      | 1.5       | 49.6      | 1.2       | 53.8      | .3        | 71.4      | .7        |
| 01:15 | .7        | 32.0      | 1.4       | 41.3      | 1.7       | 53.5      | .2        | 43.4      | .6        |
| 01:30 | .8        | 44.2      | 1.0       | 41.2      | 2.0       | 56.8      | .3        | 64.7      | .4        |
| 01:45 | .6        | 55.1      | .7        | 56.2      | 2.0       | 55.8      | 1.3       | 49.9      | .2        |
| 02:00 | .6        | 57.6      | .7        | 63.1      | 2.5       | 50.8      | 2.1       | 42.6      | .2        |
| 02:15 | .5        | 43.6      | .8        | 59.9      | 2.8       | 52.2      | 1.7       | 48.4      | .2        |
| 02:30 | .5        | 35.4      | .7        | 67.7      | 3.1       | 55.9      | 1.6       | 58.8      | .1        |
| 02:45 | .6        | 54.7      | 1.1       | 69.6      | 3.0       | 59.7      | 1.1       | 54.3      | .3        |
| 03:00 | .6        | 46.3      | 1.5       | 63.6      | 1.9       | 60.3      | .5        | 43.4      | .3        |
| 03:15 | .7        | 45.0      | 1.6       | 64.8      | 2.0       | 56.6      | .5        | 17.8      | 1.0       |
| 03:30 | 1.1       | 64.3      | 2.5       | 65.6      | 3.2       | 65.3      | 1.2       | 63.9      | 2.3       |
| 03:45 | 1.4       | 71.4      | 3.2       | 61.3      | 4.3       | 66.9      | 2.4       | 77.7      | 2.4       |
| 04:00 | 1.6       | 75.9      | 3.7       | 66.9      | 5.0       | 66.8      | 3.5       | 79.7      | 3.5       |
| 04:15 | 2.0       | 75.0      | 3.7       | 72.1      | 5.4       | 67.8      | 5.4       | 81.9      | 4.7       |
| 04:30 | 2.1       | 73.8      | 3.6       | 66.4      | 5.7       | 66.2      | 5.8       | 79.4      | 4.9       |
| 04:45 | 2.2       | 71.9      | 4.1       | 61.0      | 5.3       | 65.6      | 4.4       | 78.2      | 4.4       |
| 05:00 | 2.4       | 69.8      | 3.7       | 53.8      | 4.8       | 56.9      | 3.8       | 74.9      | 4.1       |
| 05:15 | 2.5       | 66.8      | 3.3       | 49.4      | 4.9       | 50.6      | 4.2       | 66.5      | 4.5       |
| 05:30 | 2.5       | 62.8      | 3.4       | 48.7      | 5.2       | 47.4      | 4.7       | 58.2      | 4.6       |
| 05:45 | 2.1       | 62.2      | 3.5       | 49.8      | 5.6       | 45.9      | 5.3       | 53.6      | 4.4       |
| 06:00 | 1.8       | 64.4      | 3.7       | 51.1      | 5.9       | 47.7      | 5.5       | 59.6      | 4.4       |
| 06:15 | 1.9       | 66.3      | 4.0       | 54.3      | 5.8       | 47.9      | 5.7       | 57.1      | 4.5       |
| 06:30 | 2.1       | 73.1      | 4.2       | 60.7      | 5.6       | 48.2      | 6.4       | 50.6      | 4.7       |
| 06:45 | 1.9       | 73.2      | 4.0       | 62.5      | 6.0       | 52.8      | 7.2       | 51.8      | 6.1       |
| 07:00 | 1.9       | 59.8      | 4.2       | 63.1      | 6.5       | 55.1      | 7.8       | 54.3      | 6.5       |
| 07:15 | 2.2       | 60.1      | 4.7       | 62.6      | 6.6       | 54.5      | 7.9       | 56.9      | 7.2       |
| 07:30 | 2.4       | 62.2      | 4.6       | 62.6      | 6.4       | 53.3      | 7.9       | 58.8      | 7.6       |
| 07:45 | 2.6       | 63.7      | 4.7       | 64.5      | 6.6       | 52.7      | 7.9       | 58.7      | 7.5       |
| 08:00 | 3.0       | 63.2      | 5.6       | 61.4      | 6.9       | 51.9      | 8.4       | 55.0      | 8.2       |
| 08:15 | 3.7       | 57.3      | 5.6       | 54.2      | 7.1       | 48.5      | 8.7       | 50.8      | 8.0       |
| 08:30 | 3.7       | 60.1      | 5.0       | 53.6      | 7.0       | 49.0      | 8.4       | 49.6      | 7.9       |
| 08:45 | 3.2       | 68.2      | 5.1       | 57.4      | 6.9       | 50.9      | 8.6       | 47.0      | 9.0       |
| 09:00 | 3.3       | 68.3      | 5.3       | 52.5      | 7.3       | 47.5      | 8.9       | 45.3      | 10.3      |
| 09:15 | 3.3       | 47.2      | 5.0       | 45.8      | 6.7       | 45.7      | 8.0       | 46.9      | 10.0      |
| 09:30 | 3.0       | 52.0      | 4.6       | 45.8      | 6.0       | 49.2      | 7.1       | 50.5      | 8.8       |
| 09:45 | 2.6       | 58.7      | 4.2       | 55.8      | 5.3       | 52.9      | 6.3       | 51.1      | 7.5       |
| 10:00 | 1.9       | 74.3      | 3.3       | 70.3      | 4.3       | 56.0      | 5.3       | 54.4      | 6.8       |
| 10:15 | 1.8       | 82.8      | 2.6       | 72.3      | 3.7       | 55.9      | 4.3       | 58.5      | 5.8       |
| 10:30 | 2.0       | 82.9      | 3.3       | 78.0      | 3.6       | 72.3      | 4.1       | 66.0      | 4.5       |
| 10:45 | 2.3       | 85.3      | 3.4       | 84.7      | 3.4       | 81.7      | 3.6       | 67.6      | 3.5       |
| 11:00 | 2.4       | 80.0      | 2.7       | 77.8      | 3.0       | 74.6      | 2.9       | 62.9      | 2.8       |
| 11:15 | 2.0       | 72.8      | 2.6       | 62.6      | 2.9       | 74.5      | 2.6       | 69.3      | 2.4       |
| 11:30 | 2.3       | 81.3      | 2.9       | 68.1      | 2.8       | 73.8      | 2.7       | 65.7      | 2.6       |
| 11:45 | 2.2       | 83.0      | 2.7       | 77.8      | 2.5       | 74.7      | 2.4       | 58.6      | 2.1       |
| 12:00 | 1.7       | 86.6      | 2.3       | 96.0      | 2.0       | 84.8      | 1.7       | 65.3      | 1.4       |
| 12:15 | 1.7       | 78.3      | 2.0       | 97.5      | 1.8       | 77.8      | 1.6       | 65.8      | 1.4       |
| 12:30 | 2.7       | 80.9      | 2.1       | 84.1      | 2.1       | 75.0      | 1.8       | 74.8      | 1.3       |



## Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

11/8/2020

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 | 90.0      | .5        | 120.0     | .4        | 260.0     | .4        | 190.0     |           |           |
| 00:15 | 77.3      | .4        | 124.1     | .4        | 243.0     | .4        | 305.0     |           |           |
| 00:30 | 90.6      | .3        | 92.2      | .6        | 288.5     | .4        | 268.3     | .3        | 59.7      |
| 00:45 | 86.7      | .2        | 63.5      | .4        | 323.2     | .4        | 237.2     | .9        | 148.4     |
| 01:00 | 80.0      | .2        | 349.5     | .2        | 31.2      | .4        | 219.8     | .3        | 121.3     |
| 01:15 | 76.0      | .4        | 61.2      | .3        | 8.3       | .7        | 145.6     | 1.0       | 150.0     |
| 01:30 | 64.9      | .6        | 49.4      | .3        | 345.6     | .8        | 141.0     | 1.6       | 215.8     |
| 01:45 | 87.0      | .5        | 22.6      | .3        | 337.9     | .4        | 159.1     | 1.1       | 188.2     |
| 02:00 | 209.5     | .3        | 6.4       | .2        | 297.3     | .3        | 169.4     | .7        | 165.2     |
| 02:15 | 243.3     | .1        | 4.4       | .1        | 271.8     | .8        | 159.3     | 1.4       | 140.9     |
| 02:30 | 56.4      | .5        | 69.8      | .2        | 338.6     | .7        | 147.9     | .9        | 124.9     |
| 02:45 | 43.6      | .9        | 66.9      | .4        | 302.1     | .3        | 114.4     | .3        | 304.7     |
| 03:00 | 27.4      | 1.0       | 64.8      | .4        | 87.4      | 1.1       | 99.2      | .7        | 203.7     |
| 03:15 | 54.5      | 2.0       | 62.2      | .8        | 81.9      | 1.5       | 105.3     |           |           |
| 03:30 | 70.2      | 3.0       | 61.2      | 1.6       | 72.4      | 1.2       | 120.3     |           |           |
| 03:45 | 78.6      | 3.2       | 67.4      | 2.0       | 90.4      | 1.9       | 107.7     | .2        | 164.1     |
| 04:00 | 84.1      | 3.6       | 79.9      | 3.1       | 95.3      | 2.8       | 99.8      | 3.0       | 135.0     |
| 04:15 | 82.9      | 4.0       | 90.3      | 3.4       | 97.8      | 2.9       | 102.5     | 4.1       | 114.2     |
| 04:30 | 78.4      | 4.0       | 98.6      | 3.7       | 115.9     | 2.9       | 105.4     | 3.0       | 111.1     |
| 04:45 | 76.3      | 3.6       | 95.8      | 4.0       | 123.1     | 4.3       | 126.9     |           |           |
| 05:00 | 77.7      | 3.4       | 94.8      | 4.1       | 128.8     | 4.9       | 135.2     |           |           |
| 05:15 | 72.7      | 3.5       | 89.6      | 4.3       | 130.9     | 5.5       | 141.4     |           |           |
| 05:30 | 69.1      | 3.8       | 82.5      | 4.1       | 126.2     | 5.5       | 142.4     |           |           |
| 05:45 | 65.5      | 4.2       | 79.3      | 4.1       | 115.4     | 5.6       | 130.0     |           |           |
| 06:00 | 66.2      | 4.9       | 73.8      | 4.7       | 101.1     | 5.8       | 115.0     |           |           |
| 06:15 | 69.3      | 5.5       | 71.8      | 4.7       | 99.3      | 5.9       | 109.6     |           |           |
| 06:30 | 57.6      | 6.0       | 73.1      | 5.2       | 88.6      | 6.6       | 97.5      |           |           |
| 06:45 | 65.3      | 6.3       | 75.0      | 5.3       | 86.7      | 5.8       | 95.3      |           |           |
| 07:00 | 73.1      | 5.9       | 72.9      | 5.5       | 82.8      | 5.5       | 88.6      |           |           |
| 07:15 | 75.0      | 6.0       | 72.7      | 5.7       | 81.6      | 5.6       | 83.7      |           |           |
| 07:30 | 73.8      | 6.1       | 75.0      | 5.1       | 86.4      | 5.2       | 99.2      |           |           |
| 07:45 | 73.8      | 6.1       | 76.8      | 5.2       | 82.5      | 5.4       | 102.9     |           |           |
| 08:00 | 74.6      | 6.8       | 78.1      | 5.8       | 78.1      | 5.1       | 86.9      |           |           |
| 08:15 | 69.4      | 7.6       | 76.5      | 6.7       | 84.0      | 7.1       | 91.1      |           |           |
| 08:30 | 64.7      | 7.8       | 73.1      | 6.7       | 78.0      | 7.4       | 103.5     |           |           |
| 08:45 | 58.0      | 8.0       | 70.0      | 6.6       | 72.0      |           |           |           |           |
| 09:00 | 49.9      | 8.3       | 63.0      | 6.6       | 67.0      |           |           |           |           |
| 09:15 | 50.4      | 8.8       | 53.0      | 6.6       | 63.0      |           |           |           |           |
| 09:30 | 51.7      | 9.2       | 47.0      | 6.6       | 61.0      |           |           |           |           |
| 09:45 | 54.8      | 7.1       | 60.9      | 6.6       | 58.0      |           |           |           |           |
| 10:00 | 57.2      | 7.5       | 58.8      | 6.5       | 56.0      |           |           |           |           |
| 10:15 | 58.2      | 7.3       | 50.3      | 6.5       | 53.0      |           |           |           |           |
| 10:30 | 56.5      | 5.8       | 45.1      | 6.5       | 51.7      |           |           |           |           |
| 10:45 | 59.2      | 4.4       | 45.4      | 5.4       | 52.5      |           |           |           |           |
| 11:00 | 63.3      | 2.9       | 49.7      | 4.5       | 55.4      |           |           |           |           |
| 11:15 | 61.9      | 2.1       | 60.0      | 3.5       | 53.3      |           |           |           |           |
| 11:30 | 57.1      | 3.5       | 31.4      | 3.9       | 38.6      |           |           |           |           |
| 11:45 | 58.1      | 3.1       | 27.6      | 3.7       | 32.2      |           |           |           |           |
| 12:00 | 51.7      | 1.6       | 38.0      | 3.3       | 40.0      |           |           |           |           |
| 12:15 | 58.0      | 1.1       | 49.3      | 2.5       | 50.0      |           |           |           |           |
| 12:30 | 65.5      | 1.1       | 64.7      | 2.0       | 60.0      |           |           |           |           |



### Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

11/8/2020

Interval: 015m

|       | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-------|-----------|-----------|-----------|-----------|
| Time  | M/SEC     | DEGC      | 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 |           |           |           |           |

|                 | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-----------------|-----------|-----------|-----------|-----------|
| Time            | M/SEC     | DEGC      | 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           | 16.2      | 140.0     | 16.7      | 136.3     |
| 22:00           |           |           |           |           |
| 22:15           |           |           |           |           |
| 22:30           |           |           |           |           |
| 22:45           |           |           |           |           |
| 23:00           |           |           |           |           |
| 23:15           |           |           |           |           |
| 23:30           |           |           |           |           |
| 23:45           |           |           |           |           |
| <b>Avg</b>      | 16.2      | 140.0     | 16.7      | 136.3     |
| <b>Max</b>      | 16.2      | 140.0     | 16.7      | 136.3     |
| <b>Max Time</b> | 21:45     | 21:45     | 21:45     | 21:45     |
| <b>Min</b>      | 16.2      | 140.0     | 16.7      | 136.3     |
| <b>Count</b>    | 1         | 1         | 1         | 1         |
| <b>Total</b>    |           |           |           |           |