

## Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

11/18/2020

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     | DEG       | M/SEC     | DEGC      | M/SEC     | DEGC      | M/SEC     |
| 00:00 | 1.5       | 34.0      | 2.3       | 43.0      | 3.8       | 43.0      | 4.7       | 43.0      | 4.0       |
| 00:15 | 2.0       | 39.2      | 2.7       | 37.3      | 4.4       | 38.1      | 5.8       | 35.1      | 4.9       |
| 00:30 | 1.4       | 10.1      | 2.1       | 30.4      | 3.7       | 32.8      | 5.0       | 30.9      | 5.2       |
| 00:45 | 1.1       | 345.6     | 1.9       | 26.0      | 3.0       | 27.5      | 4.5       | 28.6      | 5.5       |
| 01:00 | 1.2       | 16.9      | 2.4       | 22.5      | 3.6       | 26.0      | 4.9       | 29.5      | 6.5       |
| 01:15 | 1.2       | 27.4      | 2.5       | 23.2      | 3.4       | 28.8      | 4.5       | 31.7      | 6.7       |
| 01:30 | .9        | 70.5      | 2.1       | 36.7      | 2.7       | 37.3      | 4.0       | 38.2      | 6.1       |
| 01:45 | .6        | 91.9      | 1.4       | 44.5      | 2.0       | 44.1      | 3.0       | 44.8      | 5.0       |
| 02:00 | .3        | 136.5     | .8        | 43.8      | 1.1       | 53.1      | 1.6       | 52.6      | 3.1       |
| 02:15 | .2        | 147.2     | .6        | 24.1      | 1.1       | 39.9      | 1.7       | 39.9      | 3.6       |
| 02:30 | .2        | 1.5       | .5        | 17.9      | 1.3       | 31.7      | 2.1       | 36.0      | 3.8       |
| 02:45 | .4        | 36.3      | .5        | 43.6      | 1.1       | 39.7      | 1.8       | 42.6      | 3.5       |
| 03:00 | .4        | 54.1      | .8        | 69.5      | 1.5       | 54.3      | 2.1       | 47.0      | 4.1       |
| 03:15 | 1.4       | 70.2      | 1.7       | 69.2      | 3.1       | 62.8      | 3.7       | 55.7      | 5.0       |
| 03:30 | 3.5       | 78.3      | 3.2       | 64.5      | 5.3       | 67.4      | 6.4       | 62.8      | 6.2       |
| 03:45 | 3.3       | 67.8      | 4.4       | 64.7      | 6.0       | 67.1      | 7.5       | 62.7      | 7.6       |
| 04:00 | 4.7       | 78.4      | 4.5       | 67.3      | 6.0       | 68.6      | 7.5       | 64.0      | 8.5       |
| 04:15 | 4.5       | 79.3      | 4.7       | 70.7      | 5.7       | 66.6      | 6.9       | 62.6      | 8.8       |
| 04:30 | 3.8       | 76.9      | 4.2       | 68.7      | 5.1       | 63.0      | 6.0       | 59.8      | 7.8       |
| 04:45 | 2.7       | 73.9      | 3.1       | 62.6      | 4.4       | 65.5      | 4.7       | 62.7      | 6.5       |
| 05:00 | 1.6       | 60.2      | 2.2       | 55.8      | 3.4       | 59.0      | 3.8       | 54.7      | 6.2       |
| 05:15 | .6        | 30.3      | 1.5       | 52.1      | 2.8       | 54.8      | 3.5       | 51.1      | 5.2       |
| 05:30 | .3        | 41.5      | 1.6       | 55.9      | 2.6       | 55.9      | 3.2       | 51.6      | 4.5       |
| 05:45 | .7        | 36.0      | 2.1       | 56.5      | 3.2       | 56.8      | 4.1       | 48.3      | 5.5       |
| 06:00 | 1.8       | 31.6      | 2.6       | 47.7      | 4.3       | 52.1      | 5.7       | 50.6      | 6.8       |
| 06:15 | 2.6       | 12.9      | 2.8       | 39.1      | 4.6       | 38.9      | 6.4       | 42.6      | 6.8       |
| 06:30 | 2.8       | 16.7      | 3.1       | 42.4      | 4.5       | 36.5      | 6.1       | 37.1      | 6.6       |
| 06:45 | 1.6       | 49.8      | 3.1       | 34.7      | 4.6       | 36.2      | 6.1       | 35.9      | 7.0       |
| 07:00 | 1.4       | 36.9      | 3.0       | 30.5      | 4.8       | 36.9      | 6.3       | 37.3      | 7.5       |
| 07:15 |           |           | 2.8       | 39.0      | 4.8       | 40.4      | 6.2       | 39.1      | 7.6       |
| 07:30 |           |           | 3.2       | 40.9      | 5.0       | 37.4      | 6.4       | 38.7      | 8.1       |
| 07:45 |           |           | 3.8       | 38.3      | 5.7       | 36.0      | 7.1       | 38.1      | 9.0       |
| 08:00 |           |           | 4.2       | 35.5      | 6.5       | 38.7      | 7.8       | 39.7      | 9.5       |
| 08:15 |           |           | 3.3       | 40.6      | 6.0       | 41.1      | 6.9       | 41.6      | 8.3       |
| 08:30 |           |           | 1.4       | 49.7      | 3.5       | 45.2      | 4.5       | 44.8      | 6.2       |
| 08:45 | .7        | 60.2      | 1.2       | 60.9      | 2.7       | 44.7      | 3.7       | 46.9      | 5.6       |
| 09:00 | 1.4       | 65.1      | 1.7       | 66.5      | 2.9       | 49.3      | 3.6       | 52.4      | 5.5       |
| 09:15 | 1.6       | 63.6      | 2.2       | 65.5      | 3.0       | 58.9      | 3.7       | 59.6      | 5.7       |
| 09:30 | 1.5       | 73.1      | 2.7       | 60.5      | 3.7       | 59.5      | 4.7       | 60.7      | 5.4       |
| 09:45 | 2.6       | 73.1      | 3.7       | 58.0      | 5.3       | 57.2      | 5.6       | 61.2      | 5.1       |
| 10:00 | 3.0       | 67.3      | 4.4       | 60.6      | 5.3       | 57.2      | 5.0       | 59.0      | 4.4       |
| 10:15 | 1.9       | 61.9      | 3.7       | 64.8      | 4.1       | 63.9      | 3.7       | 63.4      | 3.9       |
| 10:30 | 1.4       | 75.2      | 3.6       | 82.0      | 4.0       | 74.2      | 4.1       | 72.3      | 4.0       |
| 10:45 | 1.7       | 81.9      | 3.5       | 83.7      | 3.8       | 77.0      | 4.0       | 74.2      | 3.2       |
| 11:00 | .5        | 61.3      | 1.8       | 78.6      | 2.1       | 81.4      | 2.2       | 78.0      | 2.3       |
| 11:15 | .4        | 292.2     | .9        | 80.6      | 1.1       | 87.5      | 1.4       | 67.6      | 1.7       |
| 11:30 | .3        | 349.8     | 1.7       | 86.6      | 2.3       | 87.9      | 2.7       | 78.6      | 2.3       |
| 11:45 | 1.2       | 85.3      | 2.6       | 95.5      | 3.3       | 97.0      | 3.2       | 91.6      | 3.0       |
| 12:00 | 1.4       | 77.2      | 2.4       | 93.0      | 2.7       | 93.2      | 2.3       | 90.5      | 2.8       |
| 12:15 | .6        | 71.5      | 2.4       | 93.2      | 2.7       | 90.3      | 2.8       | 88.5      | 2.9       |
| 12:30 | 1.1       | 102.2     | 2.1       | 101.8     | 2.7       | 97.8      | 3.0       | 94.6      | 2.8       |



## Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

11/18/2020

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 | 39.0      | 3.9       | 28.0      |           |           |           |           |           |           |
| 00:15 | 29.0      | 5.4       | 15.7      |           |           |           |           |           |           |
| 00:30 | 28.3      | 6.5       | 20.3      | 9.9       | 14.2      |           |           |           |           |
| 00:45 | 30.1      | 6.7       | 22.0      | 8.1       | 15.2      |           |           |           |           |
| 01:00 | 29.2      | 7.2       | 22.2      | 7.9       | 16.9      | 6.6       | 10.5      | 8.1       | 9.6       |
| 01:15 | 30.6      | 7.6       | 23.8      | 8.5       | 17.5      | 6.3       | 4.9       |           |           |
| 01:30 | 36.3      | 7.6       | 25.5      | 9.7       | 16.5      | 8.1       | 10.8      |           |           |
| 01:45 | 40.4      | 6.5       | 28.2      | 9.2       | 17.1      | 9.4       | 10.1      |           |           |
| 02:00 | 42.9      | 4.8       | 35.3      | 7.3       | 18.5      | 10.6      | 9.3       |           |           |
| 02:15 | 35.3      | 4.6       | 31.1      | 6.4       | 12.2      |           |           |           |           |
| 02:30 | 33.5      | 4.8       | 29.8      | 5.4       | 6.5       |           |           |           |           |
| 02:45 | 39.9      | 4.6       | 31.4      | 4.6       | 5.2       |           |           |           |           |
| 03:00 | 43.1      | 4.5       | 31.2      | 4.6       | 4.9       |           |           |           |           |
| 03:15 | 47.0      | 4.3       | 40.0      | 4.9       | 19.6      |           |           |           |           |
| 03:30 | 56.5      | 5.0       | 52.5      | 6.5       | 40.6      |           |           |           |           |
| 03:45 | 61.5      | 6.6       | 54.6      | 7.4       | 40.9      |           |           |           |           |
| 04:00 | 59.8      | 9.0       | 55.3      | 9.4       | 41.1      |           |           |           |           |
| 04:15 | 56.9      | 10.4      | 52.9      | 10.0      | 42.0      |           |           |           |           |
| 04:30 | 54.9      | 9.2       | 55.1      | 11.0      | 43.0      |           |           |           |           |
| 04:45 | 56.5      | 8.1       | 52.0      | 11.4      | 43.9      |           |           |           |           |
| 05:00 | 53.1      | 7.9       | 42.6      | 12.2      | 38.8      |           |           |           |           |
| 05:15 | 48.7      | 7.4       | 41.2      | 11.8      | 39.0      |           |           |           |           |
| 05:30 | 41.9      | 7.0       | 41.9      | 11.5      | 40.0      |           |           |           |           |
| 05:45 | 40.9      | 7.4       | 49.0      | 11.2      | 41.0      |           |           |           |           |
| 06:00 | 46.9      | 9.3       | 55.2      | 10.9      | 42.0      |           |           |           |           |
| 06:15 | 36.2      | 9.2       | 51.0      | 10.5      | 43.0      |           |           |           |           |
| 06:30 | 29.2      | 9.3       | 46.0      | 10.0      | 44.0      |           |           |           |           |
| 06:45 | 32.3      | 9.3       | 41.4      | 9.5       | 45.0      |           |           |           |           |
| 07:00 | 38.8      | 10.4      | 40.9      | 8.9       | 46.3      |           |           |           |           |
| 07:15 | 39.2      | 10.6      | 34.7      | 9.0       | 36.8      |           |           |           |           |
| 07:30 | 37.9      | 9.5       | 39.0      | 9.2       | 38.0      |           |           |           |           |
| 07:45 | 42.7      | 9.7       | 47.4      | 9.4       | 40.0      |           |           |           |           |
| 08:00 | 46.3      | 10.9      | 49.7      | 9.7       | 44.0      |           |           |           |           |
| 08:15 | 47.1      | 9.7       | 50.4      | 10.0      | 48.0      |           |           |           |           |
| 08:30 | 47.8      | 8.2       | 50.5      | 10.2      | 52.4      |           |           |           |           |
| 08:45 | 50.8      | 8.0       | 52.4      | 10.0      | 55.7      | 11.0      | 61.7      |           |           |
| 09:00 | 58.6      | 7.6       | 57.2      | 9.4       | 59.5      | 11.0      | 65.1      |           |           |
| 09:15 | 61.5      | 7.0       | 61.0      | 8.7       | 62.3      | 9.5       | 65.8      |           |           |
| 09:30 | 59.1      | 6.9       | 58.4      | 8.1       | 62.4      | 8.5       | 69.7      | 8.3       | 68.9      |
| 09:45 | 60.6      | 6.3       | 59.0      | 7.7       | 64.5      | 8.0       | 73.9      | 8.1       | 77.7      |
| 10:00 | 62.8      | 5.0       | 61.4      | 6.9       | 69.9      | 7.6       | 74.4      | 7.9       | 82.2      |
| 10:15 | 74.4      | 4.3       | 69.3      | 6.2       | 74.1      | 7.2       | 73.0      | 7.5       | 80.1      |
| 10:30 | 78.7      | 4.7       | 79.1      | 5.8       | 71.1      | 6.8       | 70.2      | 7.0       | 79.9      |
| 10:45 | 72.9      | 3.9       | 74.9      | 4.2       | 63.6      | 5.5       | 67.5      | 5.8       | 77.6      |
| 11:00 | 68.3      | 2.5       | 69.0      | 3.2       | 67.4      | 4.7       | 75.6      | 5.8       | 77.4      |
| 11:15 | 59.1      | 2.0       | 56.0      | 3.2       | 69.1      | 5.1       | 81.0      | 6.2       | 81.0      |
| 11:30 | 77.3      | 3.7       | 71.1      | 4.6       | 81.0      | 4.8       | 82.5      | 5.4       | 75.8      |
| 11:45 | 89.9      | 3.6       | 86.3      | 5.1       | 86.1      | 5.2       | 82.4      | 6.8       | 76.3      |
| 12:00 | 86.9      | 2.7       | 86.2      | 5.5       | 87.0      | 5.4       | 87.0      | 5.6       | 80.0      |
| 12:15 | 82.4      | 3.5       | 81.1      | 5.8       | 88.0      | 5.6       | 91.2      |           |           |
| 12:30 | 92.1      | 3.2       | 84.8      | 5.5       | 84.0      | 5.5       | 85.0      |           |           |



## Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

11/18/2020

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 | 9.7       | 87.8      |           |           |
| 10:45 | 9.0       | 88.0      |           |           |
| 11:00 | 8.0       | 88.0      |           |           |
| 11:15 | 7.2       | 88.0      |           |           |
| 11:30 | 6.5       | 88.0      |           |           |
| 11:45 | 6.2       | 79.4      |           |           |
| 12:00 | 5.8       | 72.6      |           |           |
| 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           |           |           |           |           |
| 22:00           |           |           |           |           |
| 22:15           |           |           |           |           |
| 22:30           |           |           |           |           |
| 22:45           |           |           |           |           |
| 23:00           |           |           |           |           |
| 23:15           |           |           |           |           |
| 23:30           |           |           |           |           |
| 23:45           |           |           |           |           |
| <b>Avg</b>      | 7.5       | 84.5      |           |           |
| <b>Max</b>      | 9.7       | 88.0      |           |           |
| <b>Max Time</b> | 10:30     | 11:30     |           |           |
| <b>Min</b>      | 5.8       | 72.6      |           |           |
| <b>Count</b>    | 7         | 7         | 0         | 0         |
| <b>Total</b>    |           |           |           |           |