

## Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

5/4/2020

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 | 2.8       | 265.0     | 3.0       | 269.0     | 4.4       | 272.0     | 5.4       | 275.0     | 6.7       |
| 00:15 | 3.1       | 266.7     | 2.9       | 267.4     | 4.8       | 272.4     | 5.9       | 274.6     | 7.0       |
| 00:30 | 2.1       | 266.3     | 3.1       | 277.1     | 5.4       | 282.4     | 6.1       | 282.2     | 6.9       |
| 00:45 | 1.0       | 268.7     | 3.1       | 285.3     | 5.3       | 289.3     | 6.2       | 287.7     | 7.2       |
| 01:00 | 2.1       | 268.4     | 3.1       | 280.2     | 5.5       | 284.6     | 7.4       | 284.5     | 8.3       |
| 01:15 | 6.0       | 269.3     | 3.2       | 281.4     | 5.5       | 280.5     | 7.0       | 283.0     | 8.1       |
| 01:30 | 2.4       | 267.1     | 1.9       | 287.2     | 3.6       | 282.9     | 4.9       | 284.7     | 6.1       |
| 01:45 | .9        | 264.0     | 1.6       | 281.3     | 3.2       | 283.3     | 4.4       | 285.4     | 4.7       |
| 02:00 | .6        | 263.9     | 2.0       | 278.9     | 3.8       | 283.1     | 4.8       | 284.6     | 5.8       |
| 02:15 | 1.3       | 267.7     | 2.4       | 277.3     | 4.4       | 279.6     | 5.4       | 281.0     | 6.5       |
| 02:30 | 1.4       | 267.1     | 2.4       | 277.9     | 4.7       | 273.8     | 5.9       | 277.7     | 6.4       |
| 02:45 | 1.0       | 270.5     | 1.7       | 281.3     | 4.1       | 273.3     | 5.8       | 274.2     | 5.8       |
| 03:00 | 1.7       | 269.1     | 1.9       | 280.6     | 3.8       | 272.1     | 5.1       | 273.6     | 5.5       |
| 03:15 | .7        | 268.9     | 1.2       | 287.8     | 2.7       | 285.6     | 4.0       | 292.6     | 5.5       |
| 03:30 |           |           | .5        | 302.9     | 2.4       | 307.1     | 4.1       | 311.6     | 5.7       |
| 03:45 |           |           | .2        | 267.9     | 1.4       | 297.1     | 2.8       | 309.9     | 4.3       |
| 04:00 |           |           | .6        | 261.5     | 1.2       | 268.2     | 1.7       | 284.9     | 2.7       |
| 04:15 |           |           | 1.5       | 279.2     | 2.2       | 289.3     | 2.4       | 300.0     | 2.6       |
| 04:30 | .2        | 141.3     | .9        | 278.1     | 1.6       | 300.5     | 1.8       | 306.7     | 2.1       |
| 04:45 | .9        | 110.8     | .2        | 162.8     | .2        | 233.4     | .4        | 266.0     | .8        |
| 05:00 | .3        | 172.0     | .2        | 159.8     | .4        | 220.9     | .5        | 221.8     | .5        |
| 05:15 | .3        | 171.8     | .3        | 237.8     | .4        | 248.7     | .6        | 223.3     | .9        |
| 05:30 | .2        | 193.3     | .4        | 222.6     | .4        | 262.1     | .5        | 215.1     | .8        |
| 05:45 | .2        | 196.4     | .4        | 193.9     | .3        | 287.4     | .2        | 265.3     | .3        |
| 06:00 | .2        | 206.3     | .3        | 163.4     | .4        | 297.6     | .2        | 280.1     | .5        |
| 06:15 | .2        | 224.9     | .4        | 134.5     | .4        | 303.2     | .2        | 346.1     | .5        |
| 06:30 | .3        | 253.0     | .2        | 182.1     | .4        | 306.6     | .3        | 11.4      | .2        |
| 06:45 | .4        | 83.8      | .2        | 257.7     | .3        | 307.8     | .1        | 303.8     | .1        |
| 07:00 | .3        | 102.4     | .1        | 116.0     | .4        | 308.5     | .1        | 290.9     | .7        |
| 07:15 | .3        | 96.4      | .5        | 84.6      | .4        | 348.0     | .1        | 75.4      | .8        |
| 07:30 | .7        | 83.4      | .7        | 81.1      | .6        | 51.9      | .3        | 88.7      | .7        |
| 07:45 | .8        | 78.5      | 1.3       | 76.4      | .8        | 61.5      | .5        | 71.1      | .7        |
| 08:00 | .8        | 71.8      | 1.9       | 79.8      | 1.2       | 71.0      | .7        | 57.0      | .7        |
| 08:15 | .8        | 72.1      | 1.4       | 82.6      | 1.4       | 78.6      | 1.0       | 70.9      | .5        |
| 08:30 | .7        | 85.0      | .9        | 81.1      | 1.1       | 86.7      | 1.6       | 81.9      | .6        |
| 08:45 | .6        | 98.7      | .8        | 77.0      | .8        | 78.6      | 1.0       | 69.4      | .6        |
| 09:00 | .3        | 106.8     | .9        | 49.9      | 1.2       | 47.3      | .9        | 52.2      | .7        |
| 09:15 | .2        | 75.2      | 1.2       | 41.0      | 1.6       | 38.7      | 1.5       | 40.7      | 1.4       |
| 09:30 | 1.1       | 82.3      | 1.7       | 68.6      | 1.8       | 63.2      | 1.9       | 52.8      | 1.5       |
| 09:45 | 1.3       | 81.5      | 1.9       | 75.9      | 2.2       | 74.9      | 2.0       | 62.0      | 1.4       |
| 10:00 | .9        | 86.2      | 1.7       | 69.7      | 1.9       | 70.2      | 1.6       | 62.2      | 1.3       |
| 10:15 | 1.1       | 72.0      | 1.7       | 69.6      | 1.5       | 77.7      | 1.4       | 79.4      | 1.3       |
| 10:30 | 1.0       | 41.9      | 1.4       | 40.3      | 1.2       | 49.8      | 1.2       | 53.6      | 1.3       |
| 10:45 | 1.3       | 56.8      | 2.0       | 45.9      | 2.4       | 50.6      | 2.3       | 55.5      | 2.1       |
| 11:00 | 1.7       | 73.3      | 3.4       | 77.8      | 3.6       | 74.0      | 3.2       | 79.2      | 2.9       |
| 11:15 | 1.5       | 83.6      | 3.6       | 85.5      | 3.2       | 83.1      | 2.7       | 89.9      | 2.8       |
| 11:30 | 1.0       | 94.3      | 2.2       | 74.9      | 2.0       | 82.0      | 1.9       | 84.5      | 2.1       |
| 11:45 | .5        | 95.4      | 1.5       | 70.3      | 1.6       | 82.0      | 1.8       | 77.0      | 1.9       |
| 12:00 | 1.4       | 107.1     | 2.5       | 89.8      | 2.7       | 81.1      | 3.2       | 80.7      | 3.4       |
| 12:15 | 1.0       | 85.0      | 2.3       | 68.0      | 2.6       | 65.0      | 3.0       | 60.0      | 2.5       |
| 12:30 | .6        | 70.5      | 2.0       | 48.3      | 2.5       | 45.8      | 2.6       | 38.7      | 1.8       |



## Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

5/4/2020

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 | 277.0     | 8.3       | 281.0     | 10.2      | 287.0     | 11.9      | 292.0     | 13.9      | 296.0     |
| 00:15 | 277.2     | 8.4       | 280.9     | 10.2      | 289.1     | 11.2      | 291.3     | 13.4      | 300.1     |
| 00:30 | 280.8     | 8.8       | 287.3     | 10.9      | 295.5     | 12.2      | 299.8     | 14.0      | 302.8     |
| 00:45 | 285.2     | 9.2       | 291.4     | 10.9      | 301.8     | 12.6      | 305.1     | 14.6      | 309.2     |
| 01:00 | 284.9     | 9.5       | 290.2     | 10.6      | 301.5     | 12.5      | 307.6     | 14.1      | 309.1     |
| 01:15 | 285.6     | 9.2       | 293.1     | 9.9       | 297.4     | 12.1      | 307.3     | 12.9      | 307.7     |
| 01:30 | 289.6     | 7.4       | 294.0     | 9.0       | 298.1     | 11.0      | 308.8     | 12.1      | 312.3     |
| 01:45 | 293.8     | 6.3       | 293.3     | 8.3       | 299.4     | 9.8       | 312.2     | 11.7      | 314.6     |
| 02:00 | 295.2     | 7.0       | 298.5     | 8.9       | 302.4     | 10.6      | 311.2     | 12.7      | 316.0     |
| 02:15 | 292.4     | 7.4       | 296.9     | 9.7       | 306.0     | 13.7      | 316.1     | 12.4      | 316.5     |
| 02:30 | 282.5     | 7.1       | 286.1     | 9.8       | 304.4     | 13.4      | 321.1     | 11.0      | 318.6     |
| 02:45 | 276.9     | 6.6       | 280.8     | 9.1       | 295.3     | 13.0      | 324.0     | 10.5      | 319.7     |
| 03:00 | 277.0     | 6.8       | 280.9     | 8.9       | 296.0     | 10.8      | 315.8     | 10.1      | 317.7     |
| 03:15 | 295.9     | 6.8       | 297.6     | 8.6       | 312.3     | 9.9       | 317.5     | 10.9      | 320.8     |
| 03:30 | 312.0     | 6.8       | 318.8     | 8.8       | 328.0     | 9.8       | 327.8     | 11.5      | 323.7     |
| 03:45 | 309.5     | 5.6       | 320.6     | 7.4       | 331.2     | 9.6       | 336.9     | 9.7       | 328.2     |
| 04:00 | 301.5     | 3.6       | 315.5     | 5.6       | 336.0     | 9.2       | 343.7     | 8.1       | 337.9     |
| 04:15 | 318.4     | 3.5       | 340.4     | 5.9       | 351.7     | 7.9       | 348.2     | 7.9       | 339.8     |
| 04:30 | 331.1     | 3.2       | 348.6     | 5.4       | 356.2     | 6.8       | 2.4       | 8.3       | 349.7     |
| 04:45 | 328.0     | 1.1       | 322.5     | 1.9       | 347.7     | 5.8       | 16.4      | 8.1       | 6.7       |
| 05:00 | 309.5     | .3        | 268.4     | .8        | 18.0      | 3.6       | 30.6      | 5.8       | 8.6       |
| 05:15 | 269.2     | .4        | 264.3     | .7        | 79.1      | 3.0       | 28.9      | 4.4       | 7.2       |
| 05:30 | 253.5     | .4        | 211.9     | 1.1       | 107.9     | 3.3       | 32.0      | 4.6       | 1.8       |
| 05:45 | 255.3     | .5        | 149.1     | 1.8       | 84.6      | 3.7       | 35.7      | 7.6       | 6.3       |
| 06:00 | 306.2     | .2        | 155.9     | 1.8       | 78.4      | 4.0       | 38.0      | 10.4      | 8.8       |
| 06:15 | 299.8     | .5        | 261.1     | .5        | 116.5     |           |           |           |           |
| 06:30 | 287.2     | .3        | 255.8     |           |           |           |           |           |           |
| 06:45 | 262.3     | .8        | 107.4     |           |           |           |           |           |           |
| 07:00 | 91.9      | 1.2       | 105.8     |           |           |           |           |           |           |
| 07:15 | 71.4      | 1.2       | 94.5      |           |           |           |           |           |           |
| 07:30 | 55.4      | 1.4       | 80.7      |           |           |           |           |           |           |
| 07:45 | 52.6      | 1.4       | 69.3      |           |           |           |           |           |           |
| 08:00 | 54.4      | 1.4       | 65.9      |           |           |           |           |           |           |
| 08:15 | 73.4      | 1.1       | 71.8      |           |           |           |           |           |           |
| 08:30 | 74.9      | 1.2       | 78.3      |           |           |           |           |           |           |
| 08:45 | 52.1      | 1.9       | 78.8      |           |           |           |           |           |           |
| 09:00 | 40.3      | 2.1       | 56.2      | 3.6       | 25.5      |           |           |           |           |
| 09:15 | 41.8      | 2.4       | 40.6      | 3.7       | 8.4       |           |           |           |           |
| 09:30 | 50.1      | 1.9       | 43.3      | 3.4       | 8.8       |           |           |           |           |
| 09:45 | 64.4      | 1.5       | 51.3      | 3.0       | 9.3       | 5.5       | 359.6     |           |           |
| 10:00 | 72.9      | 1.2       | 48.0      | 2.7       | 356.9     | 4.0       | 2.0       |           |           |
| 10:15 | 73.8      | 1.0       | 30.2      | 1.6       | 350.3     | 2.8       | 354.4     |           |           |
| 10:30 | 55.6      | 1.0       | 32.1      | 1.4       | 19.5      |           |           |           |           |
| 10:45 | 69.1      | 1.6       | 60.0      | 2.5       | 37.4      |           |           |           |           |
| 11:00 | 82.8      | 2.1       | 84.8      | 3.2       | 70.0      |           |           |           |           |
| 11:15 | 98.5      | 2.9       | 105.5     | 3.8       | 101.0     |           |           |           |           |
| 11:30 | 100.4     | 2.1       | 106.7     | 3.1       | 127.2     |           |           |           |           |
| 11:45 | 89.9      | 1.6       | 81.7      | 2.1       | 169.3     |           |           |           |           |
| 12:00 | 88.1      | 3.1       | 91.3      | 4.0       | 94.5      |           |           |           |           |
| 12:15 | 63.0      | 2.9       | 55.0      | 5.5       | 45.0      |           |           |           |           |
| 12:30 | 40.0      | 2.7       | 24.9      | 6.9       | 9.3       |           |           |           |           |



## Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

5/4/2020

Interval: 015m

|       | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-------|-----------|-----------|-----------|-----------|
| Time  | M/SEC     | DEGC      | M/SEC     | DEG       |
| 00:00 | 16.0      | 300.0     | 19.0      | 301.0     |
| 00:15 | 15.6      | 301.8     | 17.8      | 302.6     |
| 00:30 | 16.6      | 307.9     | 16.9      | 309.3     |
| 00:45 | 16.7      | 314.6     | 16.3      | 314.2     |
| 01:00 | 15.0      | 313.9     | 15.5      | 313.4     |
| 01:15 | 14.0      | 312.6     | 16.2      | 312.5     |
| 01:30 | 14.4      | 316.0     | 17.2      | 313.3     |
| 01:45 | 13.5      | 315.2     | 16.4      | 315.4     |
| 02:00 | 12.4      | 311.7     | 15.5      | 316.3     |
| 02:15 | 13.0      | 311.1     | 15.6      | 318.2     |
| 02:30 | 13.6      | 313.2     | 15.2      | 313.0     |
| 02:45 | 13.0      | 318.5     | 14.7      | 309.9     |
| 03:00 | 12.2      | 320.0     | 15.3      | 320.7     |
| 03:15 | 12.9      | 319.5     | 16.1      | 320.3     |
| 03:30 | 13.5      | 319.4     | 16.0      | 311.3     |
| 03:45 | 11.5      | 323.8     | 14.7      | 315.6     |
| 04:00 | 10.2      | 330.3     | 13.7      | 321.9     |
| 04:15 | 10.0      | 329.9     | 13.6      | 320.6     |
| 04:30 | 9.7       | 339.9     | 13.2      | 318.1     |
| 04:45 | 8.1       | 353.4     | 10.9      | 331.5     |
| 05:00 | 6.9       | 346.4     | 10.6      | 327.3     |
| 05:15 | 6.5       | 338.8     | 10.3      | 325.9     |
| 05:30 | 6.9       | 335.4     | 11.5      | 326.2     |
| 05:45 | 9.2       | 336.6     |           |           |
| 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 |           |           |           |           |
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| 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           |           |           |           |           |
| 22:00           |           |           |           |           |
| 22:15           |           |           |           |           |
| 22:30           |           |           |           |           |
| 22:45           |           |           |           |           |
| 23:00           |           |           |           |           |
| 23:15           |           |           |           |           |
| 23:30           |           |           |           |           |
| 23:45           |           |           |           |           |
| <b>Avg</b>      | 12.1      | 322.1     | 14.9      | 316.5     |
| <b>Max</b>      | 16.7      | 353.4     | 19.0      | 331.5     |
| <b>Max Time</b> | 00:45     | 04:45     | 00:00     | 04:45     |
| <b>Min</b>      | 6.5       | 300.0     | 10.3      | 301.0     |
| <b>Count</b>    | 24        | 24        | 23        | 23        |
| <b>Total</b>    |           |           |           |           |