

## Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

1/31/2021

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 | .8        | 350.0     | 2.2       | 64.0      | 3.3       | 74.0      | 3.5       | 92.0      | 4.4       |
| 00:15 | 1.2       | 115.4     | 2.7       | 79.2      | 4.0       | 76.3      | 4.5       | 86.7      | 4.8       |
| 00:30 | 2.3       | 92.4      | 2.5       | 72.3      | 4.5       | 71.2      | 5.1       | 77.9      | 4.8       |
| 00:45 | 2.8       | 91.9      | 2.5       | 54.8      | 4.6       | 63.6      | 5.4       | 70.1      | 5.2       |
| 01:00 | 1.6       | 94.1      | 2.3       | 53.5      | 4.3       | 59.4      | 5.1       | 69.3      | 5.3       |
| 01:15 | .3        | 108.1     | 2.1       | 59.7      | 3.9       | 58.7      | 4.7       | 74.7      | 5.6       |
| 01:30 | .7        | 97.3      | 2.3       | 45.5      | 3.6       | 55.9      | 4.8       | 66.2      | 6.2       |
| 01:45 | .8        | 91.8      | 2.4       | 44.3      | 3.6       | 52.4      | 4.7       | 59.0      | 5.6       |
| 02:00 | .9        | 96.2      | 2.4       | 48.4      | 4.0       | 53.1      | 4.8       | 61.4      | 5.0       |
| 02:15 | 1.5       | 92.3      | 2.2       | 49.6      | 4.1       | 53.2      | 4.8       | 65.0      | 4.4       |
| 02:30 | .8        | 88.3      | 1.7       | 35.5      | 3.5       | 44.6      | 4.3       | 57.8      | 3.4       |
| 02:45 | .4        | 77.8      | 1.4       | 32.7      | 3.0       | 41.6      | 3.3       | 53.8      | 2.4       |
| 03:00 | .2        | 67.7      | 2.0       | 30.1      | 3.1       | 39.2      | 2.8       | 51.7      | 1.5       |
| 03:15 | .3        | 38.4      | 2.4       | 27.3      | 3.3       | 38.2      | 2.6       | 51.5      | .9        |
| 03:30 | .5        | 47.5      | 1.4       | 42.1      | 2.7       | 46.9      | 1.9       | 61.7      | 1.0       |
| 03:45 | .4        | 77.1      | 1.5       | 70.6      | 2.0       | 64.8      | 1.4       | 109.7     | 2.4       |
| 04:00 | .6        | 100.0     | 2.0       | 63.8      | 2.0       | 79.7      | 1.6       | 138.5     | 3.1       |
| 04:15 | .4        | 118.7     | 1.8       | 58.6      | 1.7       | 75.9      | 1.1       | 137.8     | 2.7       |
| 04:30 | .1        | 222.7     | 1.0       | 65.1      | .9        | 65.6      | .5        | 172.4     | 2.4       |
| 04:45 | .1        | 140.5     | .5        | 20.6      | .4        | 5.1       | .4        | 260.7     | 2.2       |
| 05:00 | .3        | 147.5     | .4        | 4.2       | .4        | 350.8     | .6        | 262.3     | 2.1       |
| 05:15 | .2        | 143.1     | .1        | 103.9     | .0        | 113.0     | .9        | 244.5     | 2.4       |
| 05:30 | .2        | 33.8      | .3        | 122.3     | .2        | 152.8     | 1.0       | 233.6     | 2.4       |
| 05:45 | .5        | 58.7      | .4        | 119.6     | .3        | 182.6     | 1.1       | 234.4     | 2.7       |
| 06:00 | .6        | 63.1      | .6        | 96.3      | .3        | 234.4     | 1.3       | 242.3     | 2.7       |
| 06:15 | .5        | 18.3      | .5        | 73.4      | .5        | 274.0     | 1.4       | 256.3     | 2.8       |
| 06:30 | .6        | 352.9     | .2        | 54.1      | .7        | 277.9     | 1.6       | 260.2     | 2.7       |
| 06:45 | .7        | 348.9     | .0        | 335.5     | .6        | 284.3     | 1.3       | 264.0     | 2.2       |
| 07:00 | .5        | 341.9     | .1        | 208.2     | .5        | 286.0     | 1.0       | 269.0     | 2.1       |
| 07:15 | .5        | 340.2     | .1        | 180.6     | .6        | 281.5     | 1.1       | 264.5     | 2.2       |
| 07:30 | .6        | 347.8     | .1        | 156.1     | .4        | 273.2     | 1.1       | 246.6     | 2.3       |
| 07:45 | .7        | 352.3     | .2        | 124.2     | .1        | 285.2     | 1.0       | 237.8     | 2.3       |
| 08:00 | .6        | 347.6     | .3        | 81.7      | .2        | 293.2     | 1.0       | 255.1     | 2.0       |
| 08:15 | .5        | 341.6     | .4        | 90.9      | .1        | 172.4     | .7        | 247.5     | 1.5       |
| 08:30 | .4        | 346.5     | .4        | 106.7     | .2        | 78.5      | .3        | 249.0     | .9        |
| 08:45 | .4        | 349.7     | .1        | 109.2     | .2        | 335.4     | .4        | 272.1     | .8        |
| 09:00 | .4        | 347.3     | .3        | 134.5     | .1        | 243.5     | .6        | 212.8     | 1.5       |
| 09:15 | .4        | 1.1       | .4        | 161.1     | .3        | 177.3     | .8        | 196.6     | 2.4       |
| 09:30 | .3        | 13.5      | .3        | 216.7     | .2        | 188.8     | .4        | 210.1     | 2.0       |
| 09:45 | .3        | 8.7       | .1        | 259.0     | .1        | 224.7     | .4        | 227.2     | 1.6       |
| 10:00 | .5        | 350.5     | .2        | 251.9     | .3        | 268.5     | .5        | 245.7     | 1.3       |
| 10:15 | .5        | 342.1     | .3        | 243.6     | .5        | 280.2     | .4        | 271.3     | 1.2       |
| 10:30 | .5        | 344.7     | .3        | 237.5     | .6        | 277.6     | .9        | 266.6     | 2.2       |
| 10:45 | .4        | 330.6     | .5        | 237.0     | .9        | 263.1     | 1.7       | 253.9     | 3.5       |
| 11:00 | .4        | 292.6     | .4        | 242.0     | .8        | 259.6     | 1.9       | 248.1     | 3.8       |
| 11:15 | .3        | 306.1     | .4        | 251.6     | .9        | 269.1     | 1.9       | 257.5     | 3.6       |
| 11:30 | .2        | 328.0     | .4        | 247.0     | 1.0       | 267.0     | 2.1       | 258.1     | 4.0       |
| 11:45 | .2        | 330.3     | .5        | 251.5     | 1.1       | 257.8     | 2.6       | 254.2     | 4.5       |
| 12:00 | .3        | 350.1     | .7        | 260.3     | 1.5       | 258.2     | 3.0       | 254.2     | 4.7       |
| 12:15 | .2        | 312.9     | .8        | 263.6     | 1.8       | 259.1     | 3.2       | 251.4     | 4.9       |
| 12:30 | .3        | 291.2     | 1.0       | 265.1     | 1.8       | 257.9     | 3.1       | 254.2     | 5.0       |



## Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

1/31/2021

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 | 120.0     | 5.7       | 138.0     | 9.2       | 159.0     | 12.9      | 165.0     | 15.5      | 165.0     |
| 00:15 | 110.6     | 6.1       | 137.1     | 9.7       | 156.5     | 13.9      | 162.3     | 15.5      | 160.2     |
| 00:30 | 107.3     | 5.5       | 129.8     | 8.7       | 156.6     | 12.6      | 165.9     | 15.6      | 168.7     |
| 00:45 | 98.2      | 5.8       | 122.1     | 8.1       | 149.7     | 11.7      | 165.0     | 15.2      | 167.8     |
| 01:00 | 94.7      | 6.4       | 124.0     | 9.2       | 137.9     | 11.7      | 151.5     | 14.5      | 174.0     |
| 01:15 | 98.5      | 7.3       | 127.4     | 10.1      | 137.7     | 11.0      | 156.0     | 13.0      | 180.0     |
| 01:30 | 87.3      | 6.0       | 113.2     | 8.6       | 140.4     | 10.0      | 162.0     | 12.0      | 185.0     |
| 01:45 | 82.6      | 5.1       | 104.1     | 7.4       | 142.1     | 9.3       | 167.0     | 11.0      | 190.0     |
| 02:00 | 84.8      | 4.9       | 113.4     | 6.8       | 150.6     | 8.8       | 172.0     | 10.7      | 195.0     |
| 02:15 | 85.3      | 4.2       | 125.0     | 6.4       | 160.8     | 9.3       | 183.9     | 10.3      | 198.0     |
| 02:30 | 82.0      | 2.8       | 124.0     | 5.5       | 168.4     | 8.5       | 185.8     | 10.0      | 202.0     |
| 02:45 | 81.3      | 1.7       | 153.7     | 5.7       | 193.5     | 8.8       | 197.0     | 11.2      | 193.8     |
| 03:00 | 81.3      | 2.0       | 180.8     | 6.4       | 199.2     | 10.1      | 196.9     | 14.4      | 193.1     |
| 03:15 | 83.6      | 2.1       | 182.9     | 6.4       | 199.4     | 10.4      | 194.7     | 14.8      | 191.7     |
| 03:30 | 156.4     | 3.0       | 191.7     | 7.3       | 199.7     | 12.1      | 194.2     | 16.6      | 190.2     |
| 03:45 | 177.1     | 4.4       | 191.2     | 9.1       | 197.5     | 13.7      | 194.5     | 18.4      | 189.8     |
| 04:00 | 180.5     | 4.8       | 191.2     | 9.6       | 196.7     | 14.0      | 195.7     | 18.2      | 190.2     |
| 04:15 | 190.6     | 4.9       | 201.0     | 9.4       | 202.6     | 15.0      | 197.4     | 17.5      | 192.9     |
| 04:30 | 214.2     | 4.8       | 218.2     | 9.1       | 210.5     | 14.1      | 199.6     | 16.3      | 195.9     |
| 04:45 | 243.0     | 4.1       | 236.2     | 7.8       | 220.9     | 10.4      | 206.8     | 14.2      | 199.9     |
| 05:00 | 253.4     | 3.9       | 241.4     | 7.1       | 221.9     | 9.1       | 208.5     | 12.6      | 200.4     |
| 05:15 | 247.5     | 4.3       | 239.4     | 7.3       | 218.3     | 9.0       | 206.9     | 13.0      | 197.2     |
| 05:30 | 248.4     | 4.2       | 238.8     | 7.2       | 216.1     | 9.7       | 201.6     | 15.1      | 194.7     |
| 05:45 | 245.7     | 4.4       | 232.4     | 7.4       | 208.8     | 11.2      | 196.5     | 16.6      | 192.7     |
| 06:00 | 242.7     | 4.7       | 227.8     | 7.7       | 204.4     | 11.8      | 193.4     | 17.1      | 191.8     |
| 06:15 | 245.8     | 4.8       | 224.7     | 8.4       | 199.5     | 12.0      | 193.0     | 17.9      | 190.3     |
| 06:30 | 245.6     | 4.7       | 223.9     | 8.5       | 199.2     | 11.6      | 194.0     | 16.1      | 190.9     |
| 06:45 | 251.5     | 3.4       | 226.8     | 7.4       | 201.3     | 11.1      | 192.4     | 15.5      | 190.0     |
| 07:00 | 249.2     | 3.2       | 235.7     | 6.7       | 200.2     | 10.9      | 192.8     | 14.3      | 191.0     |
| 07:15 | 242.8     | 3.3       | 235.1     | 6.3       | 199.2     | 9.9       | 192.5     | 13.1      | 190.7     |
| 07:30 | 234.6     | 3.1       | 216.8     | 7.4       | 194.2     | 10.9      | 191.5     | 15.7      | 190.2     |
| 07:45 | 230.2     | 2.9       | 217.0     | 7.4       | 196.2     | 11.0      | 192.8     | 17.0      | 190.8     |
| 08:00 | 242.1     | 2.9       | 240.1     | 6.2       | 206.7     | 8.9       | 195.5     | 16.4      | 191.0     |
| 08:15 | 239.3     | 3.6       | 233.4     | 6.7       | 206.1     | 10.1      | 194.4     | 15.7      | 191.7     |
| 08:30 | 234.8     | 3.5       | 229.3     | 6.8       | 207.0     | 10.1      | 195.0     | 14.7      | 190.4     |
| 08:45 | 260.9     | 3.1       | 239.6     | 5.8       | 213.1     | 9.0       | 198.3     | 13.3      | 193.5     |
| 09:00 | 223.9     | 3.8       | 220.1     | 6.7       | 199.8     | 10.6      | 193.9     | 13.9      | 195.7     |
| 09:15 | 205.9     | 4.7       | 209.5     | 8.6       | 192.6     | 11.9      | 190.1     | 15.3      | 193.9     |
| 09:30 | 214.9     | 4.1       | 220.3     | 7.5       | 198.8     | 10.4      | 192.4     | 15.5      | 190.7     |
| 09:45 | 226.5     | 3.7       | 225.8     | 6.2       | 207.6     | 9.9       | 195.1     | 14.3      | 192.6     |
| 10:00 | 238.1     | 2.7       | 229.6     | 6.3       | 226.8     | 8.9       | 202.1     | 14.0      | 197.7     |
| 10:15 | 258.4     | 2.8       | 239.1     | 7.4       | 227.6     | 9.4       | 205.3     | 14.1      | 199.7     |
| 10:30 | 247.5     | 4.8       | 237.4     | 7.8       | 219.4     | 10.8      | 204.3     | 15.8      | 203.7     |
| 10:45 | 240.1     | 6.1       | 235.3     | 8.4       | 211.6     | 11.7      | 208.0     | 15.6      | 210.0     |
| 11:00 | 240.2     | 6.4       | 230.7     | 9.9       | 204.2     | 13.3      | 206.7     | 15.1      | 214.5     |
| 11:15 | 244.2     | 5.6       | 230.5     | 9.3       | 205.1     | 12.0      | 207.1     | 15.2      | 211.8     |
| 11:30 | 243.8     | 5.3       | 230.4     | 8.6       | 208.9     | 12.4      | 208.4     | 15.5      | 213.0     |
| 11:45 | 241.6     | 5.6       | 229.1     | 8.9       | 212.7     | 14.7      | 209.5     | 15.0      | 215.0     |
| 12:00 | 243.6     | 5.9       | 230.7     | 10.0      | 216.1     | 15.9      | 210.5     | 16.0      | 222.0     |
| 12:15 | 242.5     | 6.4       | 226.9     | 11.7      | 213.6     | 15.8      | 208.9     | 13.3      | 228.2     |
| 12:30 | 245.0     | 6.3       | 229.0     | 11.6      | 212.8     | 15.8      | 208.9     | 13.0      | 227.6     |



## Daily Summary Report

Site: Sodar "DS" (ORNL Sodar)

1/31/2021

Interval: 015m

|       | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-------|-----------|-----------|-----------|-----------|
| Time  | M/SEC     | DEGC      | M/SEC     | DEG       |
| 00:00 | 16.5      | 186.0     |           |           |
| 00:15 | 16.5      | 186.0     |           |           |
| 00:30 | 16.6      | 187.0     |           |           |
| 00:45 | 16.3      | 187.0     |           |           |
| 01:00 | 16.0      | 188.0     |           |           |
| 01:15 | 15.0      | 188.0     |           |           |
| 01:30 | 15.0      | 188.0     |           |           |
| 01:45 | 15.5      | 188.0     |           |           |
| 02:00 | 16.0      | 189.0     |           |           |
| 02:15 | 17.0      | 189.0     |           |           |
| 02:30 | 18.3      | 188.9     |           |           |
| 02:45 | 18.6      | 188.7     |           |           |
| 03:00 | 19.6      | 193.6     |           |           |
| 03:15 | 18.9      | 191.4     |           |           |
| 03:30 | 19.7      | 191.8     |           |           |
| 03:45 | 21.2      | 191.0     | 22.1      | 191.1     |
| 04:00 | 20.8      | 190.1     | 21.5      | 192.0     |
| 04:15 | 20.0      | 191.0     | 21.0      | 192.0     |
| 04:30 | 18.5      | 192.0     | 20.0      | 193.0     |
| 04:45 | 18.0      | 193.0     | 19.0      | 194.0     |
| 05:00 | 17.0      | 194.0     | 19.2      | 194.0     |
| 05:15 | 16.0      | 195.7     | 19.4      | 194.0     |
| 05:30 | 18.3      | 194.6     | 19.5      | 194.9     |
| 05:45 | 18.7      | 198.4     | 19.5      | 199.4     |
| 06:00 | 19.5      | 199.4     | 20.8      | 200.8     |
| 06:15 | 20.2      | 199.0     | 21.2      | 205.3     |
| 06:30 | 19.0      | 201.4     | 21.4      | 204.8     |
| 06:45 | 18.9      | 200.0     | 21.7      | 199.7     |
| 07:00 | 18.7      | 199.0     | 21.3      | 201.0     |
| 07:15 | 18.6      | 198.0     | 21.0      | 203.0     |
| 07:30 | 18.4      | 196.3     | 21.0      | 205.6     |
| 07:45 | 19.9      | 195.5     | 20.1      | 206.4     |
| 08:00 | 19.0      | 196.0     | 22.0      | 205.0     |
| 08:15 | 18.0      | 198.0     | 23.5      | 203.7     |
| 08:30 | 17.8      | 199.0     | 23.8      | 203.0     |
| 08:45 | 18.5      | 200.0     | 22.5      | 203.0     |
| 09:00 | 19.3      | 200.5     | 21.4      | 203.2     |
| 09:15 | 18.8      | 204.1     |           |           |
| 09:30 | 18.3      | 203.9     |           |           |
| 09:45 | 16.3      | 208.0     |           |           |
| 10:00 | 14.2      | 213.5     |           |           |
| 10:15 | 16.4      | 212.1     |           |           |
| 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           | 14.9      | 234.3     |           |           |
| 14:15           | 16.5      | 230.0     |           |           |
| 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           | 11.4      | 292.8     |           |           |
| 20:15           | 12.2      | 299.1     |           |           |
| 20:30           | 11.8      | 299.0     |           |           |
| 20:45           | 11.5      | 299.0     |           |           |
| 21:00           | 12.0      | 301.0     |           |           |
| 21:15           | 12.0      | 302.0     |           |           |
| 21:30           | 10.8      | 305.8     |           |           |
| 21:45           | 9.6       | 293.1     |           |           |
| 22:00           | 9.2       | 292.0     |           |           |
| 22:15           | 9.6       | 291.0     |           |           |
| 22:30           | 10.2      | 290.0     |           |           |
| 22:45           | 11.0      | 295.0     |           |           |
| 23:00           | 12.0      | 300.0     |           |           |
| 23:15           | 12.3      | 298.0     |           |           |
| 23:30           | 11.0      | 296.0     |           |           |
| 23:45           | 11.0      | 294.0     |           |           |
| <b>Avg</b>      | 16.0      | 223.4     | 21.0      | 199.5     |
| <b>Max</b>      | 21.2      | 305.8     | 23.8      | 206.4     |
| <b>Max Time</b> | 03:45     | 21:30     | 08:30     | 07:45     |
| <b>Min</b>      | 9.2       | 186.0     | 19.0      | 191.1     |
| <b>Count</b>    | 60        | 60        | 22        | 22        |
| <b>Total</b>    |           |           |           |           |