

## Daily Summary Report

Site: ORNL Sodar

6/15/2017

Interval: 015m

|       | 04_WS060m | 05_WDir060m | 06_WS100m | 07_WDir100m | 08_WS140m | 09_WDir140m | 10_WS180m | 11_WDir180m | 12_WS240m |
|-------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| Hour  | M/SEC     | DEG         | M/SEC     | DEG         | KPH       | DEG         | M/SEC     | DEG         | M/SEC     |
| 00:00 | .3        | 236.0       | .2        | 184.9       | .2        | 239.5       | .1        | 50.7        | .2        |
| 00:15 | .2        | 264.4       | .2        | 170.7       | .2        | 253.2       | .1        | 358.8       | .1        |
| 00:30 | .2        | 282.7       | .2        | 184.7       | .2        | 231.7       | .1        | 238.9       | .1        |
| 00:45 | .1        | 238.2       | .5        | 181.0       | .3        | 184.7       | .2        | 173.1       | .1        |
| 01:00 | .1        | 251.2       | .5        | 179.8       | .2        | 190.8       | .1        | 143.1       | .5        |
| 01:15 | .1        | 278.2       | .4        | 174.3       | .2        | 183.1       | .2        | 161.3       | .8        |
| 01:30 | .2        | 296.8       | .4        | 181.5       | .2        | 161.2       | .3        | 158.7       | .6        |
| 01:45 | .3        | 296.5       | .4        | 211.2       | .2        | 190.4       | .2        | 163.9       | .5        |
| 02:00 | .1        | 318.9       | .4        | 192.4       | .3        | 204.2       | .2        | 198.0       | .6        |
| 02:15 | .0        | 315.9       | .5        | 179.5       | .5        | 211.0       | .3        | 219.6       | .5        |
| 02:30 | .2        | 214.6       | .5        | 189.6       | .6        | 210.5       | .4        | 198.7       | .4        |
| 02:45 | .2        | 226.5       | .4        | 170.8       | .5        | 205.2       | .3        | 185.4       | .3        |
| 03:00 | .1        | 238.8       | .3        | 172.8       | .4        | 206.1       | .3        | 224.5       | .3        |
| 03:15 | .0        | 163.5       | .3        | 218.7       | .3        | 202.3       | .3        | 219.5       | .4        |
| 03:30 | .1        | 337.0       | .5        | 126.7       | .7        | 165.0       | .4        | 179.0       | .1        |
| 03:45 | .2        | 301.0       | 1.0       | 101.1       | 1.0       | 146.3       | .8        | 163.6       | .1        |
| 04:00 | .2        | 329.5       | 1.0       | 129.2       | 1.1       | 154.8       | .9        | 164.7       | .3        |
| 04:15 | .2        | 359.5       | 1.1       | 158.5       | 1.1       | 172.7       | .7        | 176.3       | .5        |
| 04:30 | .2        | 22.5        | .9        | 167.5       | .9        | 182.3       | .6        | 181.0       | .5        |
| 04:45 | .2        | 13.3        | .7        | 179.8       | 1.1       | 184.5       | .6        | 171.1       | .4        |
| 05:00 | .1        | 350.8       | .7        | 189.1       | 1.0       | 185.4       | .4        | 158.9       | .2        |
| 05:15 | .0        | 169.4       | .5        | 188.4       | 1.2       | 196.8       | .6        | 174.7       | .2        |
| 05:30 | .1        | 302.2       | .5        | 191.1       | 1.6       | 198.9       | .8        | 192.8       | .2        |
| 05:45 | .0        | 258.6       | .9        | 183.4       | 1.3       | 191.3       | .5        | 183.3       | .2        |
| 06:00 | .1        | 126.8       | .9        | 181.9       | 1.0       | 194.2       | .6        | 182.6       | .3        |
| 06:15 | .2        | 77.6        | .5        | 173.3       | .7        | 211.8       | .4        | 181.4       | .7        |
| 06:30 | .4        | 72.3        | .1        | 112.2       | .4        | 193.5       | .4        | 116.4       | .8        |
| 06:45 | .4        | 77.9        | .3        | 206.0       | .7        | 190.0       | .4        | 191.2       | .6        |
| 07:00 | .4        | 91.3        | .6        | 207.9       | 1.0       | 202.9       | .7        | 220.5       | .5        |
| 07:15 | .4        | 102.1       | .8        | 192.1       | 1.0       | 198.9       | .6        | 210.4       | .5        |
| 07:30 | .4        | 101.3       | .9        | 192.5       | .8        | 195.4       | .5        | 184.1       | .3        |
| 07:45 | .4        | 97.6        | .5        | 209.1       | .6        | 197.2       | .4        | 159.0       | .3        |
| 08:00 | .1        | 53.0        | .3        | 219.2       | .7        | 182.7       | .5        | 154.9       | .6        |
| 08:15 | .1        | 10.2        | .6        | 214.3       | .8        | 179.7       | .4        | 148.8       | .5        |
| 08:30 | .1        | 305.8       | .9        | 216.5       | 1.3       | 187.7       | .8        | 178.5       | .4        |
| 08:45 | .3        | 290.4       | .9        | 205.9       | 1.4       | 183.3       | 1.3       | 181.7       | .3        |
| 09:00 | .7        | 279.1       | .4        | 183.2       | .6        | 186.4       | .9        | 192.6       | .6        |
| 09:15 | .5        | 257.9       | .2        | 169.8       | .3        | 214.3       | .7        | 198.2       | 1.2       |
| 09:30 | .5        | 207.9       | .8        | 156.1       | .7        | 179.5       | 1.0       | 192.5       | 1.3       |
| 09:45 | .7        | 216.2       | 1.0       | 170.1       | 1.1       | 181.3       | 1.1       | 183.8       | 1.4       |
| 10:00 | .9        | 241.1       | .8        | 245.2       | .8        | 228.8       | .6        | 214.9       | 1.0       |
| 10:15 | .7        | 235.8       | .9        | 272.3       | .6        | 238.2       | .6        | 248.2       | .7        |
| 10:30 | .8        | 213.1       | .6        | 235.9       | .6        | 183.9       | .8        | 212.3       | 1.0       |
| 10:45 | .9        | 235.5       | .3        | 250.7       | .4        | 239.1       | 1.0       | 236.2       | 1.1       |
| 11:00 | 1.1       | 232.7       | .6        | 218.1       | .7        | 213.4       | 1.2       | 212.6       | .9        |
| 11:15 | 1.0       | 218.9       | 1.3       | 236.1       | 1.3       | 205.9       | 1.6       | 193.5       | 1.1       |
| 11:30 | 1.0       | 217.8       | 1.3       | 229.8       | 1.1       | 199.1       | 1.3       | 187.3       | .8        |
| 11:45 | 1.1       | 202.7       | 1.6       | 194.9       | 1.7       | 192.0       | 1.6       | 193.0       | .7        |
| 12:00 | .6        | 197.3       | 1.1       | 190.5       | 1.5       | 209.6       | 1.7       | 216.3       | 1.2       |
| 12:15 | .4        | 230.6       | .6        | 246.0       | .8        | 245.6       | 1.0       | 249.2       | 1.2       |



## Daily Summary Report

Site: ORNL Sodar

6/15/2017

Interval: 015m

|       | 13_WDir240m | 14_WS300m | 15_WDir300m | 16_WS400m | 17_WDir400m | 18_WS500m | 19_WDir500m | 20_WS600m | 21_WDir600m |
|-------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour  | DEG         | M/SEC     | DEG         | M/SEC     | DEG         | M/SEC     | DEG         | M/SEC     | DEG         |
| 00:00 | 263.9       | .1        | 313.8       |           |             |           |             |           |             |
| 00:15 | 225.5       | .3        | 307.5       |           |             |           |             |           |             |
| 00:30 | 132.5       | .3        | 199.6       |           |             |           |             |           |             |
| 00:45 | 239.5       | .3        | 225.4       |           |             |           |             |           |             |
| 01:00 | 206.7       | .3        | 220.4       |           |             |           |             |           |             |
| 01:15 | 190.5       | .6        | 183.9       |           |             |           |             |           |             |
| 01:30 | 198.7       | .6        | 173.9       |           |             |           |             |           |             |
| 01:45 | 203.6       | .2        | 162.3       |           |             |           |             |           |             |
| 02:00 | 191.9       | .2        | 152.5       |           |             |           |             |           |             |
| 02:15 | 210.8       | .4        | 183.6       |           |             |           |             |           |             |
| 02:30 | 209.6       | .2        | 265.0       |           |             |           |             |           |             |
| 02:45 | 200.5       | .3        | 2.0         |           |             |           |             |           |             |
| 03:00 | 270.3       | .5        | 335.2       | 3.0       | 228.2       |           |             |           |             |
| 03:15 | 284.3       | .4        | 316.0       | 2.5       | 233.3       |           |             |           |             |
| 03:30 | 306.9       | .1        | 344.3       | 1.9       | 239.3       |           |             |           |             |
| 03:45 | 148.3       | .0        | 63.4        | 2.1       | 229.9       |           |             |           |             |
| 04:00 | 170.3       | .1        | 77.1        | 2.7       | 239.0       |           |             |           |             |
| 04:15 | 186.7       | .3        | 42.6        | 3.2       | 248.1       |           |             |           |             |
| 04:30 | 180.6       | .2        | 51.0        | 3.1       | 252.1       |           |             |           |             |
| 04:45 | 173.6       | .2        | 250.9       | 2.6       | 261.6       |           |             |           |             |
| 05:00 | 191.2       | .5        | 254.6       |           |             |           |             |           |             |
| 05:15 | 173.8       | .4        | 281.4       |           |             |           |             |           |             |
| 05:30 | 217.3       | .5        | 257.1       |           |             |           |             |           |             |
| 05:45 | 253.2       | .8        | 232.7       |           |             |           |             |           |             |
| 06:00 | 139.2       | 1.0       | 208.9       |           |             |           |             |           |             |
| 06:15 | 147.5       | 1.0       | 206.1       |           |             |           |             |           |             |
| 06:30 | 173.5       | .3        | 161.0       |           |             |           |             |           |             |
| 06:45 | 194.1       | .4        | 152.3       |           |             |           |             |           |             |
| 07:00 | 234.0       | .7        | 50.8        |           |             |           |             |           |             |
| 07:15 | 242.7       | 1.8       | 55.7        |           |             |           |             |           |             |
| 07:30 | 198.1       | 1.0       | 103.0       |           |             |           |             |           |             |
| 07:45 | 188.0       | .1        | 163.2       |           |             |           |             |           |             |
| 08:00 | 222.7       | 1.5       | 120.3       |           |             |           |             |           |             |
| 08:15 | 212.2       | 2.2       | 127.0       |           |             |           |             |           |             |
| 08:30 | 203.9       | 3.0       | 134.2       |           |             |           |             |           |             |
| 08:45 | 182.2       | 2.5       | 157.4       |           |             |           |             |           |             |
| 09:00 | 206.9       | 1.5       | 189.0       |           |             |           |             |           |             |
| 09:15 | 216.4       | 2.3       | 210.6       |           |             |           |             |           |             |
| 09:30 | 199.7       | 3.1       | 202.9       | 5.2       | 182.3       |           |             |           |             |
| 09:45 | 187.5       | 2.4       | 195.7       | 3.8       | 185.3       |           |             |           |             |
| 10:00 | 198.7       | 1.5       | 190.4       | 2.5       | 201.8       |           |             |           |             |
| 10:15 | 207.1       | 1.0       | 186.6       | 1.7       | 211.8       |           |             |           |             |
| 10:30 | 196.1       | 1.0       | 201.4       | .9        | 210.8       | 1.2       | 255.0       |           |             |
| 10:45 | 216.8       | 1.1       | 224.6       | 1.3       | 237.7       | 2.0       | 265.8       |           |             |
| 11:00 | 227.6       | 1.4       | 225.8       | 2.0       | 224.4       | 2.4       | 254.7       |           |             |
| 11:15 | 201.7       | 1.7       | 204.5       | 1.5       | 195.4       | 2.7       | 258.9       |           |             |
| 11:30 | 189.2       | .9        | 214.0       | .7        | 211.0       | 3.0       | 270.4       | 2.4       | 273.3       |
| 11:45 | 201.8       | .7        | 208.2       | .8        | 209.6       | 1.8       | 245.0       |           |             |
| 12:00 | 231.5       | 1.4       | 198.2       | .5        | 190.2       |           |             |           |             |
| 12:15 | 234.0       | 1.3       | 202.2       | .3        | 155.0       |           |             |           |             |



## Daily Summary Report

Site: ORNL Sodar

6/15/2017

Interval: 015m

|       | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|-------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour  | M/SEC     | DEG         | M/SEC     | DEG         | 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 |           |             |           |             |           |             |

|            | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour       | M/SEC     | DEG         | M/SEC     | DEG         | M/SEC     | DEG         |
| 12:30      |           |             |           |             |           |             |
| 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      | 11.8      | 221.1       |           |             |           |             |
| 19:00      | 11.4      | 223.8       |           |             |           |             |
| 19:15      | 9.6       | 231.6       |           |             |           |             |
| 19:30      | 9.6       | 231.9       |           |             |           |             |
| 19:45      | 8.3       | 239.3       |           |             |           |             |
| 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      |           |             |           |             |           |             |
| Avg        | 10.1      | 229.5       |           |             |           |             |
| Max        | 11.8      | 239.3       |           |             |           |             |
| Hr. of Max | 75        | 79          |           |             |           |             |
| Min        | 8.3       | 221.1       |           |             |           |             |
| Count      | 5         | 5           | 0         | 0           | 0         | 0           |
| Total      |           |             |           |             |           |             |