

## Daily Summary Report

Site: ORNL Sodar

6/17/2017

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 | .5        | 124.2       | .6        | 222.0       | 1.1       | 210.4       | .9        | 223.6       | .3        |
| 00:15 | .4        | 141.4       | .6        | 236.8       | .9        | 222.0       | 1.2       | 236.7       | .2        |
| 00:30 | .4        | 139.0       | .5        | 249.4       | .9        | 247.7       | 1.0       | 239.6       | .3        |
| 00:45 | .4        | 128.0       | .7        | 259.5       | .7        | 246.1       | .6        | 222.6       | .3        |
| 01:00 | .4        | 118.6       | .7        | 275.3       | .4        | 212.9       | .2        | 196.1       | .1        |
| 01:15 | .3        | 114.3       | .4        | 287.1       | .3        | 220.9       | .2        | 233.7       | .1        |
| 01:30 | .3        | 107.2       | .3        | 251.5       | .3        | 250.3       | .3        | 245.2       | .2        |
| 01:45 | .4        | 96.0        | .3        | 183.1       | .1        | 201.7       | .1        | 231.1       | .0        |
| 02:00 | .5        | 74.6        | .2        | 187.9       | .1        | 164.5       | .1        | 143.3       | .2        |
| 02:15 | .6        | 76.0        | .2        | 227.8       | .3        | 197.1       | .2        | 164.3       | .2        |
| 02:30 | .3        | 27.3        | .8        | 199.6       | .9        | 185.1       | .6        | 178.2       | .2        |
| 02:45 | .3        | 284.1       | 1.4       | 192.4       | 2.1       | 188.2       | 1.4       | 188.1       | .5        |
| 03:00 | .6        | 263.1       | 1.6       | 187.1       | 2.5       | 197.0       | 1.7       | 205.8       | .5        |
| 03:15 | .5        | 285.3       | 1.9       | 188.0       | 1.9       | 202.8       | 1.4       | 216.3       | .3        |
| 03:30 | .5        | 297.5       | 1.6       | 198.3       | 1.3       | 214.5       | 1.2       | 223.6       | 1.1       |
| 03:45 | .3        | 289.7       | 1.2       | 212.9       | 1.1       | 221.5       | 1.5       | 228.8       | 1.8       |
| 04:00 | .3        | 245.9       | .8        | 210.4       | 1.1       | 218.7       | 1.9       | 221.8       | 1.5       |
| 04:15 | .2        | 272.4       | .3        | 215.2       | 1.5       | 221.5       | 2.2       | 221.4       | .7        |
| 04:30 | .2        | 279.6       | .3        | 207.8       | 1.8       | 215.2       | 2.2       | 219.1       | .5        |
| 04:45 | .4        | 234.3       | .3        | 246.5       | 1.3       | 217.8       | 1.8       | 223.1       | 1.3       |
| 05:00 | .2        | 202.9       | .5        | 258.4       | 1.0       | 234.9       | 1.5       | 235.8       | 1.2       |
| 05:15 | .3        | 149.2       | .4        | 239.3       | 1.1       | 240.1       | 1.6       | 243.4       | .3        |
| 05:30 | .2        | 190.5       | .1        | 188.5       | 1.3       | 231.7       | 1.6       | 235.0       | .3        |
| 05:45 | .2        | 260.0       | .2        | 73.8        | 1.2       | 220.4       | 1.0       | 220.3       | .2        |
| 06:00 | .2        | 228.0       | .2        | 105.8       | 1.1       | 218.4       | .7        | 226.1       | .1        |
| 06:15 | .3        | 187.1       | .3        | 155.7       | 1.2       | 211.6       | .6        | 225.1       | .0        |
| 06:30 | .3        | 176.9       | 1.3       | 174.4       | 1.5       | 191.6       | .5        | 199.8       | .6        |
| 06:45 | .2        | 216.7       | 2.4       | 174.6       | 2.6       | 182.3       | .9        | 194.7       | .7        |
| 07:00 | .2        | 297.4       | 1.9       | 177.0       | 2.9       | 183.2       | 1.7       | 197.1       | 1.0       |
| 07:15 | .1        | 174.1       | 1.1       | 182.9       | 2.6       | 183.4       | 2.6       | 189.8       | 2.2       |
| 07:30 | .6        | 177.9       | 1.3       | 175.4       | 2.7       | 180.0       | 3.8       | 182.3       | 3.7       |
| 07:45 | 1.0       | 174.3       | 1.3       | 188.2       | 2.6       | 184.9       | 4.0       | 183.0       | 4.2       |
| 08:00 | .7        | 174.2       | .8        | 227.1       | 2.0       | 199.9       | 2.8       | 193.6       | 2.3       |
| 08:15 | .1        | 186.0       | .7        | 219.1       | 1.3       | 208.3       | 2.1       | 199.8       | 2.6       |
| 08:30 | .6        | 171.1       | .8        | 205.9       | .8        | 217.0       | 1.3       | 210.7       | 2.3       |
| 08:45 | .3        | 200.3       | .5        | 245.5       | .6        | 284.6       | .9        | 260.5       | 2.0       |
| 09:00 | .1        | 261.3       | .4        | 231.0       | .7        | 263.0       | 1.1       | 236.5       | 2.5       |
| 09:15 | .3        | 232.3       | .6        | 230.8       | .9        | 239.0       | 1.2       | 235.2       | 2.0       |
| 09:30 | .8        | 242.3       | 1.1       | 254.7       | 1.1       | 246.7       | 1.4       | 238.5       | 1.9       |
| 09:45 | .3        | 225.1       | .9        | 247.5       | 1.2       | 242.8       | 1.3       | 237.2       | 1.8       |
| 10:00 | .7        | 243.1       | .8        | 275.3       | 1.3       | 256.1       | 1.1       | 254.4       | 1.2       |
| 10:15 | 1.0       | 231.0       | 1.2       | 256.2       | 1.7       | 240.1       | 1.7       | 236.5       | 1.9       |
| 10:30 | 1.3       | 201.8       | 2.1       | 222.3       | 2.4       | 218.8       | 2.4       | 218.7       | 2.5       |
| 10:45 | 1.3       | 221.7       | 2.4       | 225.2       | 2.2       | 223.8       | 2.3       | 212.0       | 2.4       |
| 11:00 | 1.6       | 254.2       | 2.2       | 247.8       | 2.2       | 234.6       | 2.2       | 230.3       | 2.6       |
| 11:15 | 1.5       | 251.8       | 2.4       | 241.4       | 2.8       | 229.9       | 2.9       | 239.6       | 3.1       |
| 11:30 | 1.0       | 243.0       | 2.1       | 222.3       | 2.8       | 217.4       | 2.9       | 217.1       | 3.5       |
| 11:45 | 1.1       | 216.7       | 3.2       | 204.3       | 3.5       | 204.1       | 3.7       | 200.1       | 3.8       |
| 12:00 | 1.4       | 223.0       | 3.5       | 214.8       | 3.7       | 208.0       | 3.5       | 205.8       | 3.0       |
| 12:15 | 1.1       | 245.2       | 2.3       | 236.0       | 2.8       | 215.8       | 2.6       | 213.4       | 2.0       |



## Daily Summary Report

Site: ORNL Sodar

6/17/2017

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 | 113.2       | .3        | 5.8         |           |             |           |             |           |             |
| 00:15 | 116.4       | .4        | 348.6       |           |             |           |             |           |             |
| 00:30 | 231.1       | .5        | 345.9       |           |             |           |             |           |             |
| 00:45 | 261.1       | .6        | 2.6         |           |             |           |             |           |             |
| 01:00 | 230.3       | .3        | 8.4         |           |             |           |             |           |             |
| 01:15 | 326.2       | .5        | 3.2         |           |             |           |             |           |             |
| 01:30 | 350.6       | .7        | 352.1       |           |             |           |             |           |             |
| 01:45 | 333.9       | .5        | 331.9       |           |             |           |             |           |             |
| 02:00 | 311.4       | .2        | 332.5       |           |             |           |             |           |             |
| 02:15 | 289.1       | .5        | 357.5       |           |             |           |             |           |             |
| 02:30 | 222.7       | .2        | 328.6       |           |             |           |             |           |             |
| 02:45 | 206.5       | .4        | 279.0       |           |             |           |             |           |             |
| 03:00 | 188.3       | .3        | 319.3       |           |             |           |             |           |             |
| 03:15 | 208.7       | .2        | 19.8        |           |             |           |             |           |             |
| 03:30 | 234.2       | .2        | 259.3       |           |             |           |             |           |             |
| 03:45 | 225.4       | .3        | 216.3       |           |             |           |             |           |             |
| 04:00 | 225.1       | .1        | 301.6       |           |             |           |             |           |             |
| 04:15 | 243.0       | .2        | 309.3       |           |             |           |             |           |             |
| 04:30 | 238.9       | .3        | 235.7       |           |             |           |             |           |             |
| 04:45 | 233.0       | .4        | 221.3       |           |             |           |             |           |             |
| 05:00 | 229.4       | .3        | 298.6       |           |             |           |             |           |             |
| 05:15 | 234.0       | .4        | 325.7       |           |             |           |             |           |             |
| 05:30 | 261.5       | .3        | 290.2       |           |             |           |             |           |             |
| 05:45 | 258.7       | .1        | 286.5       |           |             |           |             |           |             |
| 06:00 | 283.9       | .2        | 34.3        |           |             |           |             |           |             |
| 06:15 | 156.7       | .2        | 52.9        | .4        | 201.3       |           |             |           |             |
| 06:30 | 195.6       | .3        | 149.7       | 1.0       | 199.0       |           |             |           |             |
| 06:45 | 197.9       | .1        | 156.0       | 2.0       | 198.0       |           |             |           |             |
| 07:00 | 213.9       | .2        | 11.6        | 3.0       | 196.0       |           |             |           |             |
| 07:15 | 197.3       | .3        | 6.5         | 4.0       | 194.0       |           |             |           |             |
| 07:30 | 185.4       | 2.1       | 179.9       | 5.0       | 192.0       |           |             |           |             |
| 07:45 | 183.2       | 6.5       | 182.3       | 5.5       | 190.0       |           |             |           |             |
| 08:00 | 185.4       | 3.6       | 188.1       | 6.0       | 188.0       |           |             |           |             |
| 08:15 | 194.2       | 3.5       | 191.2       | 6.7       | 186.5       |           |             |           |             |
| 08:30 | 205.4       | 3.7       | 195.8       | 7.6       | 188.5       |           |             |           |             |
| 08:45 | 218.8       | 3.3       | 201.6       | 8.0       | 193.0       |           |             |           |             |
| 09:00 | 215.3       | 3.9       | 211.0       | 8.5       | 198.0       |           |             |           |             |
| 09:15 | 217.9       | 3.1       | 222.3       | 8.9       | 201.7       |           |             |           |             |
| 09:30 | 234.4       | 2.6       | 236.1       | 6.1       | 217.1       |           |             |           |             |
| 09:45 | 237.3       | 2.9       | 238.3       | 6.3       | 217.9       |           |             |           |             |
| 10:00 | 220.9       | 2.5       | 231.6       | 5.7       | 218.0       |           |             |           |             |
| 10:15 | 214.9       | 2.6       | 224.8       | 5.2       | 218.4       |           |             |           |             |
| 10:30 | 223.8       | 2.9       | 224.3       | 5.1       | 219.6       |           |             |           |             |
| 10:45 | 222.8       | 3.1       | 217.6       | 5.2       | 220.7       | 9.4       | 215.4       |           |             |
| 11:00 | 228.9       | 3.1       | 203.2       | 5.0       | 210.7       | 8.3       | 209.6       |           |             |
| 11:15 | 237.1       | 3.1       | 209.7       | 5.5       | 205.0       | 7.0       | 213.0       |           |             |
| 11:30 | 215.5       | 4.1       | 208.8       | 6.0       | 201.0       | 6.5       | 217.0       |           |             |
| 11:45 | 197.2       | 4.5       | 197.2       | 6.1       | 197.9       | 6.0       | 222.0       |           |             |
| 12:00 | 208.3       | 3.4       | 211.9       | 4.2       | 201.6       | 5.0       | 226.0       |           |             |
| 12:15 | 216.1       | 2.2       | 224.5       | 3.5       | 216.6       | 4.5       | 230.0       |           |             |



## Daily Summary Report

Site: ORNL Sodar

6/17/2017

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      |           |             |           |             |           |             |
| 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      |           |             |           |             |           |             |
| Avg        |           |             |           |             |           |             |
| Max        |           |             |           |             |           |             |
| Hr. of Max |           |             |           |             |           |             |
| Min        |           |             |           |             |           |             |
| Count      | 0         | 0           | 0         | 0           | 0         | 0           |
| Total      |           |             |           |             |           |             |