

## Daily Summary Report

Site: ORNL Sodar

1/24/2018

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 | .2        | 58.0        | .7        | 304.8       | 1.2       | 296.1       | 1.7       | 289.7       | .7        |
| 00:15 | .5        | 267.6       | .8        | 301.4       | 1.1       | 299.9       | 1.3       | 288.4       | .7        |
| 00:30 | .3        | 284.1       | .6        | 300.5       | .8        | 295.3       | 1.0       | 292.4       | .6        |
| 00:45 | .5        | 279.7       | .3        | 292.1       | .8        | 288.1       | 1.2       | 294.7       | .9        |
| 01:00 | .7        | 262.7       | .3        | 278.8       | .8        | 280.7       | 1.0       | 288.9       | 1.0       |
| 01:15 | .6        | 260.0       | .4        | 295.0       | .5        | 282.8       | .6        | 285.6       | .6        |
| 01:30 | .7        | 268.4       | .5        | 312.5       | .6        | 273.6       | .9        | 275.9       | .6        |
| 01:45 | .6        | 268.5       | .4        | 306.2       | .6        | 268.4       | .8        | 275.2       | .5        |
| 02:00 | .7        | 270.7       | .2        | 317.8       | .2        | 278.4       | .4        | 285.2       | .3        |
| 02:15 | .7        | 267.0       | .2        | 295.7       | .2        | 285.8       | .4        | 264.7       | .3        |
| 02:30 | .6        | 257.9       | .3        | 282.9       | .2        | 257.6       | .5        | 273.0       | .6        |
| 02:45 | .6        | 258.3       | .4        | 293.4       | .2        | 260.5       | .4        | 286.9       | .7        |
| 03:00 | .5        | 253.9       | .4        | 293.8       | .2        | 255.7       | .3        | 281.4       | .5        |
| 03:15 | .4        | 253.3       | .4        | 312.3       | .2        | 300.3       | .4        | 335.0       | .4        |
| 03:30 | .6        | 264.4       | .2        | 295.1       | .4        | 305.3       | .6        | 337.1       | .4        |
| 03:45 | .6        | 266.6       | .3        | 312.9       | .8        | 300.1       | 1.1       | 316.9       | .6        |
| 04:00 | .4        | 257.3       | .5        | 317.5       | 1.1       | 306.8       | 1.5       | 310.2       | 1.1       |
| 04:15 | .4        | 255.2       | .6        | 299.9       | 1.0       | 308.0       | 1.4       | 313.2       | .9        |
| 04:30 | .3        | 277.7       | .4        | 281.5       | .9        | 298.0       | 1.4       | 311.8       | .7        |
| 04:45 | .1        | 11.6        | .2        | 271.5       | .8        | 294.3       | .9        | 306.5       | .8        |
| 05:00 | .1        | 97.1        | .1        | 355.9       | .6        | 305.6       | .9        | 333.1       | .6        |
| 05:15 | .1        | 1.4         | .2        | 33.6        | .5        | 318.9       | 1.0       | 326.2       | 1.0       |
| 05:30 | .3        | 70.8        | .4        | 349.0       | .2        | 336.8       | .3        | 291.6       | .8        |
| 05:45 | .4        | 60.1        | .3        | 357.0       | .2        | 338.3       | .2        | 256.9       | .2        |
| 06:00 | .4        | 40.4        | .3        | 10.4        | .3        | 2.0         | .5        | 268.3       | .2        |
| 06:15 | .5        | 53.2        | .5        | 358.4       | .4        | 18.7        | .2        | 305.1       | .6        |
| 06:30 | 1.0       | 75.2        | .5        | 1.8         | .4        | 353.6       | .6        | 305.4       | .5        |
| 06:45 | .6        | 70.7        | .3        | 12.9        | .4        | 336.1       | .5        | 295.5       | .7        |
| 07:00 | .2        | 7.5         | .3        | 22.8        | .3        | 311.6       | .5        | 296.4       | .3        |
| 07:15 | .2        | 30.1        | .1        | 12.8        | .5        | 322.2       | .6        | 304.7       | .2        |
| 07:30 | .2        | 27.6        | .4        | 40.4        | .3        | 337.3       | .4        | 285.7       | .5        |
| 07:45 | .2        | 37.8        | .5        | 26.0        | .3        | 325.2       | .4        | 299.1       | .7        |
| 08:00 | .4        | 55.4        | .3        | 38.1        | .4        | 329.2       | .5        | 298.6       | .4        |
| 08:15 | .5        | 66.9        | .5        | 67.5        | .2        | 343.9       | .7        | 298.1       | .3        |
| 08:30 | .6        | 76.3        | .3        | 54.5        | .1        | 28.8        | .5        | 321.1       | .5        |
| 08:45 | .4        | 74.2        | .1        | 322.9       | .2        | 338.5       | .3        | 311.9       | .4        |
| 09:00 | .2        | 331.8       | .5        | 293.9       | .6        | 317.0       | .8        | 315.0       | .4        |
| 09:15 | .6        | 307.9       | 1.1       | 301.9       | 1.2       | 314.4       | 1.4       | 313.9       | 1.7       |
| 09:30 | .8        | 332.3       | 1.3       | 332.0       | 1.7       | 316.7       | 1.8       | 306.7       | 2.5       |
| 09:45 | 1.0       | 317.0       | 1.4       | 345.5       | 1.6       | 329.5       | 1.7       | 325.0       | 1.8       |
| 10:00 | 1.7       | 284.2       | 1.5       | 282.4       | 1.5       | 286.5       | 2.0       | 302.3       | 1.7       |
| 10:15 | 1.4       | 277.2       | 1.4       | 265.2       | 1.7       | 273.5       | 2.2       | 281.3       | 1.7       |
| 10:30 | .9        | 281.1       | 1.3       | 294.6       | 1.6       | 286.9       | 2.3       | 281.7       | 1.6       |
| 10:45 | 1.6       | 280.9       | 2.2       | 278.5       | 2.0       | 276.7       | 2.7       | 272.9       | 2.5       |
| 11:00 | 2.3       | 281.6       | 2.8       | 278.5       | 2.1       | 281.9       | 2.5       | 273.0       | 2.6       |
| 11:15 | 1.8       | 284.9       | 3.1       | 282.2       | 2.5       | 283.8       | 2.8       | 279.7       | 2.6       |
| 11:30 | 1.5       | 285.6       | 3.1       | 290.9       | 3.2       | 291.6       | 3.0       | 287.6       | 2.6       |
| 11:45 | 1.3       | 283.9       | 2.2       | 294.2       | 2.6       | 293.3       | 2.5       | 284.5       | 1.7       |
| 12:00 | 1.7       | 269.0       | 2.3       | 252.0       | 2.6       | 250.8       | 2.6       | 241.3       | 2.7       |
| 12:15 | 2.2       | 255.9       | 4.0       | 247.8       | 4.1       | 246.3       | 3.6       | 246.3       | 3.3       |



## Daily Summary Report

Site: ORNL Sodar

1/24/2018

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 | 287.8       | .8        | 340.2       | .7        | 3.8         |           |             |           |             |
| 00:15 | 318.9       | .5        | 326.6       | .6        | 2.4         | 1.1       | 292.4       |           |             |
| 00:30 | 314.6       | .6        | 304.4       | 1.9       | 268.3       | 3.0       | 285.0       |           |             |
| 00:45 | 293.4       | .8        | 296.5       | 3.8       | 274.2       | 6.5       | 277.4       | 7.2       | 279.7       |
| 01:00 | 287.2       | .8        | 270.9       | 2.4       | 282.0       | 5.0       | 275.0       | 7.1       | 279.0       |
| 01:15 | 286.8       | .7        | 281.7       | 1.5       | 267.0       | 4.0       | 273.0       | 6.9       | 279.0       |
| 01:30 | 288.5       | .7        | 311.4       | 1.0       | 304.1       | 3.0       | 271.0       | 6.8       | 279.0       |
| 01:45 | 282.8       | .3        | 284.8       | 1.1       | 310.6       | 2.0       | 269.0       | 6.6       | 279.0       |
| 02:00 | 272.2       | .3        | 291.2       | 1.2       | 239.8       | 1.5       | 268.0       | 6.5       | 279.0       |
| 02:15 | 296.4       | .6        | 298.6       | 1.1       | 247.2       | .5        | 262.7       | 6.3       | 279.0       |
| 02:30 | 316.4       | .4        | 268.4       | .6        | 300.8       | .8        | 270.0       | 6.2       | 279.0       |
| 02:45 | 319.2       | .4        | 262.0       | .2        | 1.2         | 1.0       | 275.0       | 6.0       | 279.0       |
| 03:00 | 315.7       | .7        | 276.8       | .2        | 215.0       | 1.3       | 280.0       | 5.9       | 279.0       |
| 03:15 | 304.9       | .6        | 275.7       | .8        | 281.9       | 1.5       | 285.0       | 5.7       | 279.0       |
| 03:30 | 326.9       | .3        | 261.8       | .8        | 281.7       | 1.8       | 291.1       | 5.6       | 279.0       |
| 03:45 | 315.9       | .5        | 273.9       | 1.5       | 280.5       | 2.9       | 276.2       | 5.4       | 279.0       |
| 04:00 | 303.9       | .8        | 300.6       | 2.8       | 307.4       | 3.8       | 278.0       | 5.3       | 279.0       |
| 04:15 | 309.7       | .7        | 315.5       | 2.6       | 319.1       | 5.4       | 278.8       | 5.3       | 278.0       |
| 04:30 | 323.8       | .5        | 293.8       | 1.4       | 292.8       | 6.3       | 279.2       | 5.0       | 268.0       |
| 04:45 | 326.7       | .4        | 313.1       | 2.5       | 275.1       | 6.8       | 283.4       | 5.0       | 285.0       |
| 05:00 | 298.9       | 1.4       | 295.0       | 5.0       | 295.4       | 5.8       | 291.4       | 4.4       | 291.8       |
| 05:15 | 285.9       | 2.8       | 282.9       | 5.4       | 293.2       | 4.8       | 291.4       | 3.8       | 297.3       |
| 05:30 | 311.0       | 2.2       | 293.4       | 6.1       | 293.1       | 4.8       | 299.3       | 3.9       | 296.3       |
| 05:45 | 14.4        | 1.6       | 305.9       | 7.1       | 290.5       | 4.9       | 298.3       | 4.1       | 295.3       |
| 06:00 | 40.2        | 1.3       | 284.0       |           |             | 5.0       | 297.3       | 4.2       | 293.8       |
| 06:15 | 75.0        | .4        | 255.5       |           |             | 5.1       | 296.3       | 4.4       | 292.3       |
| 06:30 | 40.0        | .5        | 270.0       |           |             | 5.2       | 295.3       | 4.5       | 290.8       |
| 06:45 | 354.7       | .7        | 285.0       |           |             | 5.2       | 294.3       | 4.7       | 289.3       |
| 07:00 | 335.0       | .8        | 295.0       |           |             | 5.3       | 293.3       | 4.8       | 287.8       |
| 07:15 | 19.7        | .9        | 302.0       |           |             | 5.4       | 291.8       | 5.0       | 286.3       |
| 07:30 | 314.3       | 1.1       | 307.0       |           |             | 5.5       | 290.3       | 5.1       | 284.8       |
| 07:45 | 310.7       | 1.6       | 324.2       |           |             | 5.6       | 288.8       | 5.3       | 283.3       |
| 08:00 | 342.4       | 1.9       | 297.1       |           |             | 5.7       | 287.3       | 5.4       | 281.8       |
| 08:15 | 353.1       | 2.0       | 286.0       |           |             | 5.7       | 285.8       | 5.6       | 280.3       |
| 08:30 | 310.9       | 1.5       | 295.4       |           |             | 5.8       | 284.3       | 5.7       | 278.8       |
| 08:45 | 332.4       | 1.2       | 304.7       |           |             | 5.8       | 282.8       | 5.9       | 277.3       |
| 09:00 | 341.3       | 1.8       | 316.4       | 3.7       | 317.5       | 5.9       | 281.3       | 6.0       | 275.8       |
| 09:15 | 317.1       | 2.6       | 327.7       | 3.3       | 334.3       | 5.9       | 279.8       | 6.2       | 274.3       |
| 09:30 | 328.4       | 2.9       | 339.3       | 3.0       | 341.0       | 6.0       | 278.3       | 6.3       | 272.8       |
| 09:45 | 341.7       | 2.5       | 351.2       | 3.1       | 331.9       | 6.0       | 276.8       | 6.5       | 271.8       |
| 10:00 | 301.6       | 2.6       | 308.7       | 4.4       | 299.4       | 6.0       | 275.8       | 6.6       | 270.8       |
| 10:15 | 283.5       | 2.4       | 278.2       | 3.6       | 291.2       | 6.0       | 274.8       | 6.8       | 269.8       |
| 10:30 | 278.2       | 2.2       | 271.8       | 3.3       | 281.4       | 6.0       | 271.8       | 6.9       | 268.8       |
| 10:45 | 273.4       | 3.1       | 275.3       | 4.3       | 274.7       | 5.4       | 270.0       | 6.7       | 267.6       |
| 11:00 | 275.9       | 2.4       | 279.2       | 4.6       | 276.7       | 5.0       | 264.0       | 6.8       | 263.0       |
| 11:15 | 278.9       | 2.5       | 285.7       | 4.4       | 274.9       | 4.0       | 258.0       | 6.8       | 260.0       |
| 11:30 | 288.3       | 2.5       | 282.4       | 4.4       | 265.3       | 3.0       | 252.0       | 7.0       | 257.0       |
| 11:45 | 288.6       | 1.7       | 272.2       | 3.0       | 261.4       | 2.7       | 245.8       | 7.0       | 255.0       |
| 12:00 | 226.3       | 3.3       | 223.0       | 3.1       | 254.3       | 3.9       | 234.2       | 7.2       | 252.0       |
| 12:15 | 233.9       | 4.1       | 227.4       | 4.9       | 249.5       | 5.7       | 247.4       | 7.4       | 249.0       |



## Daily Summary Report

Site: ORNL Sodar

1/24/2018

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      |           |             |           |             |           |             |