

Daily Summary Report

Site: ORNL Sodar

4/25/2018

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 | .5 | 289.2 | 1.9 | 280.6 | 3.1 | 287.7 | 4.3 | 293.2 | 5.3 |
| 00:15 | .7 | 317.1 | 2.0 | 287.3 | 3.8 | 299.1 | 5.0 | 302.4 | 5.7 |
| 00:30 | 1.9 | 329.8 | 3.0 | 291.8 | 5.0 | 300.7 | 6.1 | 305.5 | 6.0 |
| 00:45 | 1.5 | 322.6 | 3.1 | 289.7 | 4.9 | 299.3 | 6.1 | 305.3 | 6.4 |
| 01:00 | .5 | 293.6 | 2.6 | 290.7 | 3.9 | 301.7 | 5.2 | 307.6 | 6.5 |
| 01:15 | .3 | 301.5 | 2.2 | 300.2 | 3.5 | 303.1 | 4.6 | 309.1 | 6.2 |
| 01:30 | .7 | 279.0 | 1.9 | 303.7 | 3.5 | 305.6 | 4.3 | 310.7 | 5.6 |
| 01:45 | .6 | 275.4 | 1.8 | 297.4 | 3.4 | 306.0 | 4.3 | 309.9 | 5.2 |
| 02:00 | .4 | 241.0 | 2.1 | 276.5 | 2.8 | 295.4 | 3.5 | 296.6 | 4.6 |
| 02:15 | .4 | 263.4 | 2.4 | 274.9 | 3.0 | 285.1 | 3.5 | 287.5 | 5.0 |
| 02:30 | .5 | 274.1 | 2.1 | 277.1 | 3.0 | 289.1 | 4.0 | 291.3 | 5.6 |
| 02:45 | .5 | 263.8 | 1.8 | 276.0 | 2.3 | 295.1 | 3.4 | 298.2 | 5.2 |
| 03:00 | .6 | 277.8 | 1.4 | 264.6 | 1.6 | 285.4 | 2.3 | 292.9 | 3.9 |
| 03:15 | .5 | 264.9 | 1.4 | 260.3 | 1.6 | 277.8 | 2.4 | 278.7 | 3.9 |
| 03:30 | .7 | 269.8 | 2.0 | 272.3 | 2.8 | 284.2 | 4.0 | 288.3 | 5.6 |
| 03:45 | 1.3 | 277.6 | 2.3 | 274.3 | 3.4 | 288.9 | 4.8 | 294.7 | 6.3 |
| 04:00 | 1.0 | 284.0 | 1.9 | 275.5 | 2.9 | 296.9 | 4.5 | 300.7 | 6.1 |
| 04:15 | 1.1 | 297.8 | 1.6 | 277.9 | 2.8 | 299.1 | 4.3 | 307.7 | 5.3 |
| 04:30 | 1.1 | 314.6 | 1.9 | 279.1 | 2.7 | 302.4 | 3.5 | 311.3 | 3.3 |
| 04:45 | .8 | 335.5 | 1.5 | 277.9 | 2.1 | 300.7 | 2.6 | 302.6 | 2.3 |
| 05:00 | .5 | 317.3 | 1.4 | 269.4 | 2.4 | 283.2 | 3.3 | 287.6 | 3.0 |
| 05:15 | .6 | 288.2 | 2.2 | 271.8 | 2.8 | 281.7 | 3.3 | 286.8 | 2.9 |
| 05:30 | 1.1 | 286.4 | 2.6 | 269.5 | 2.9 | 280.1 | 3.0 | 276.7 | 3.0 |
| 05:45 | 1.5 | 283.9 | 2.7 | 264.0 | 2.7 | 270.3 | 3.7 | 268.4 | 3.3 |
| 06:00 | .9 | 291.2 | 2.1 | 263.8 | 2.3 | 269.1 | 4.2 | 272.5 | 2.6 |
| 06:15 | .4 | 298.0 | 1.4 | 263.9 | 1.7 | 271.5 | 2.9 | 271.2 | 1.5 |
| 06:30 | .3 | 261.5 | 1.6 | 259.5 | 1.3 | 270.9 | 2.0 | 277.9 | 2.6 |
| 06:45 | .5 | 244.7 | 1.9 | 253.1 | 1.6 | 272.9 | 2.7 | 284.3 | 3.9 |
| 07:00 | .7 | 251.8 | 2.3 | 258.5 | 2.6 | 270.1 | 4.1 | 279.4 | 5.5 |
| 07:15 | .4 | 246.1 | 1.7 | 259.0 | 2.3 | 270.4 | 3.8 | 279.0 | 5.2 |
| 07:30 | .4 | 242.6 | 1.4 | 264.5 | 2.0 | 279.3 | 3.2 | 283.1 | 4.6 |
| 07:45 | .8 | 254.0 | 1.6 | 271.3 | 2.6 | 288.4 | 4.0 | 285.3 | 5.5 |
| 08:00 | .8 | 263.5 | 1.3 | 266.2 | 2.3 | 290.3 | 3.9 | 283.4 | 5.2 |
| 08:15 | .4 | 282.8 | .6 | 283.9 | 1.8 | 297.0 | 3.9 | 295.4 | 5.6 |
| 08:30 | .2 | 312.1 | .6 | 315.2 | 2.0 | 295.4 | 5.1 | 300.4 | 6.7 |
| 08:45 | .4 | 281.7 | 1.4 | 278.0 | 2.2 | 285.2 | 5.3 | 295.3 | 7.0 |
| 09:00 | .3 | 287.2 | 1.6 | 272.4 | 2.0 | 276.7 | 4.6 | 289.5 | 6.5 |
| 09:15 | .2 | 342.6 | 1.0 | 276.9 | 1.5 | 273.8 | 3.7 | 285.2 | 5.6 |
| 09:30 | .1 | 284.2 | .8 | 288.6 | 1.4 | 279.9 | 3.7 | 283.7 | 6.2 |
| 09:45 | .2 | 199.5 | .5 | 305.1 | 1.3 | 289.1 | 3.0 | 287.8 | 6.2 |
| 10:00 | .2 | 224.1 | .6 | 305.1 | 1.4 | 291.5 | 2.5 | 288.0 | 5.1 |
| 10:15 | .8 | 274.0 | 1.6 | 303.3 | 1.8 | 295.8 | 2.6 | 292.8 | 4.0 |
| 10:30 | 1.5 | 276.3 | 2.1 | 301.0 | 2.2 | 309.0 | 2.8 | 307.5 | 3.9 |
| 10:45 | 1.7 | 294.7 | 2.7 | 310.3 | 3.2 | 324.6 | 3.8 | 322.6 | 4.8 |
| 11:00 | 1.7 | 299.4 | 4.2 | 307.0 | 4.4 | 315.8 | 4.8 | 316.2 | 6.0 |
| 11:15 | 1.6 | 278.5 | 3.9 | 298.5 | 4.2 | 306.3 | 4.6 | 304.6 | 5.3 |
| 11:30 | 2.3 | 270.8 | 3.2 | 295.8 | 3.4 | 308.4 | 4.3 | 302.2 | 3.9 |
| 11:45 | 2.6 | 278.7 | 3.2 | 298.8 | 3.5 | 317.5 | 4.1 | 316.3 | 3.8 |
| 12:00 | 2.0 | 286.6 | 2.8 | 306.4 | 3.2 | 324.6 | 3.1 | 328.5 | 3.0 |
| 12:15 | 1.4 | 276.6 | 2.2 | 297.0 | 2.3 | 316.0 | 2.1 | 316.1 | 2.2 |

Daily Summary Report

Site: ORNL Sodar

4/25/2018

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 | 301.2 | 6.7 | 311.1 | 7.6 | 331.1 | 10.4 | 338.1 | -999.9 | -999.9 |
| 00:15 | 312.3 | 6.3 | 322.5 | 7.9 | 338.8 | 11.0 | 336.0 | -999.9 | -999.9 |
| 00:30 | 314.4 | 6.2 | 327.9 | 8.6 | 347.8 | 11.0 | 333.0 | -999.9 | -999.9 |
| 00:45 | 312.6 | 6.8 | 326.3 | 9.0 | 344.0 | 11.5 | 330.0 | -999.9 | -999.9 |
| 01:00 | 314.3 | 7.1 | 327.0 | 8.9 | 341.6 | 12.0 | 329.0 | -999.9 | -999.9 |
| 01:15 | 316.6 | 6.8 | 326.7 | 9.0 | 342.4 | 12.5 | 327.0 | -999.9 | -999.9 |
| 01:30 | 320.0 | 6.4 | 331.4 | 7.5 | 345.0 | 13.0 | 325.0 | -999.9 | -999.9 |
| 01:45 | 320.9 | 6.4 | 337.6 | 7.5 | 339.7 | 13.5 | 323.0 | -999.9 | -999.9 |
| 02:00 | 303.6 | 5.6 | 318.3 | 8.4 | 335.0 | 14.0 | 321.0 | -999.9 | -999.9 |
| 02:15 | 296.4 | 6.1 | 310.8 | 8.9 | 336.6 | 14.5 | 319.0 | -999.9 | -999.9 |
| 02:30 | 302.1 | 6.9 | 314.2 | 8.1 | 335.0 | 15.0 | 317.0 | -999.9 | -999.9 |
| 02:45 | 307.4 | 6.1 | 322.6 | 8.5 | 339.3 | 15.3 | 314.6 | -999.9 | -999.9 |
| 03:00 | 305.4 | 4.1 | 319.0 | 8.9 | 338.9 | 16.3 | 312.0 | 17.4 | 308.7 |
| 03:15 | 288.1 | 4.5 | 299.6 | 7.8 | 327.0 | 12.5 | 323.0 | 18.3 | 303.5 |
| 03:30 | 294.5 | 5.4 | 300.9 | 6.9 | 322.1 | 10.5 | 322.3 | 12.0 | 320.0 |
| 03:45 | 303.3 | 6.0 | 314.5 | 7.5 | 333.7 | 10.6 | 322.7 | 12.0 | 321.0 |
| 04:00 | 310.9 | 6.3 | 323.5 | 9.2 | 337.4 | 10.8 | 323.1 | 12.0 | 321.0 |
| 04:15 | 321.6 | 5.9 | 339.8 | 8.6 | 344.3 | 11.0 | 323.5 | 12.0 | 321.0 |
| 04:30 | 324.3 | 3.1 | 344.2 | 6.0 | 341.0 | 11.2 | 323.9 | 12.0 | 321.0 |
| 04:45 | 295.4 | 1.9 | 305.7 | 4.0 | 338.0 | 11.3 | 324.3 | 12.0 | 321.0 |
| 05:00 | 290.2 | 2.0 | 295.4 | 3.0 | 334.0 | 11.5 | 324.7 | 12.0 | 321.0 |
| 05:15 | 293.7 | 2.1 | 293.1 | 2.7 | 330.5 | 11.6 | 325.1 | 12.0 | 321.0 |
| 05:30 | 293.1 | 2.9 | 287.3 | 4.0 | 329.0 | 11.7 | 325.5 | 12.0 | 321.0 |
| 05:45 | 283.4 | 3.3 | 287.3 | 5.0 | 328.0 | 11.9 | 325.9 | 12.0 | 321.0 |
| 06:00 | 273.4 | 3.4 | 292.4 | 6.0 | 326.0 | 12.0 | 326.3 | 12.0 | 321.0 |
| 06:15 | 276.9 | 3.2 | 291.1 | 7.0 | 324.0 | 12.1 | 326.7 | 12.0 | 321.0 |
| 06:30 | 289.8 | 3.2 | 281.9 | 8.0 | 322.0 | 12.2 | 327.1 | 12.0 | 321.0 |
| 06:45 | 292.6 | 4.9 | 281.6 | 8.5 | 320.0 | 12.2 | 327.5 | 12.0 | 321.0 |
| 07:00 | 291.8 | 7.7 | 285.9 | 9.0 | 318.0 | 12.3 | 327.9 | 12.0 | 321.0 |
| 07:15 | 291.0 | 7.0 | 294.1 | 9.5 | 316.0 | 12.4 | 328.3 | 12.0 | 321.0 |
| 07:30 | 294.4 | 6.3 | 298.8 | 10.0 | 314.0 | 12.5 | 328.7 | 12.0 | 321.0 |
| 07:45 | 300.1 | 6.7 | 300.3 | 10.5 | 312.0 | 12.6 | 329.1 | 12.0 | 321.0 |
| 08:00 | 299.4 | 7.1 | 306.2 | 11.1 | 310.5 | 12.7 | 329.5 | 12.0 | 321.0 |
| 08:15 | 301.8 | 7.1 | 309.7 | 11.2 | 317.0 | 12.8 | 329.9 | 12.0 | 321.0 |
| 08:30 | 301.5 | 7.5 | 316.3 | 10.6 | 325.0 | 12.8 | 330.0 | 12.0 | 321.0 |
| 08:45 | 298.3 | 7.9 | 312.0 | 10.8 | 322.0 | 12.7 | 327.0 | 12.0 | 321.0 |
| 09:00 | 292.1 | 7.7 | 295.7 | 11.0 | 318.0 | 12.6 | 323.0 | 12.0 | 321.0 |
| 09:15 | 285.4 | 8.2 | 292.9 | 11.0 | 314.0 | 12.4 | 320.0 | 12.0 | 321.0 |
| 09:30 | 288.1 | 8.9 | 301.6 | 11.1 | 309.6 | 12.3 | 316.0 | 12.0 | 321.0 |
| 09:45 | 293.8 | 7.6 | 309.5 | 9.6 | 317.4 | 11.3 | 316.1 | 12.0 | 321.0 |
| 10:00 | 299.1 | 6.8 | 310.7 | 8.4 | 325.6 | 10.2 | 317.6 | 12.0 | 321.0 |
| 10:15 | 310.4 | 6.2 | 315.2 | 8.3 | 329.0 | 9.5 | 319.8 | 12.0 | 321.0 |
| 10:30 | 315.5 | 5.4 | 325.8 | 8.1 | 334.8 | 10.0 | 322.0 | 12.0 | 321.0 |
| 10:45 | 324.4 | 5.9 | 329.5 | 9.2 | 338.0 | 10.0 | 325.0 | 12.0 | 321.0 |
| 11:00 | 326.6 | 7.2 | 330.3 | 10.9 | 337.7 | 10.5 | 328.0 | 12.0 | 321.0 |
| 11:15 | 318.3 | 6.3 | 326.3 | 8.8 | 331.3 | 11.0 | 331.3 | 11.8 | 322.6 |
| 11:30 | 310.2 | 4.9 | 321.6 | 7.5 | 333.3 | 8.6 | 323.6 | 10.0 | 333.1 |
| 11:45 | 317.3 | 4.6 | 323.6 | 6.1 | 331.2 | 8.3 | 323.3 | 11.0 | 334.7 |
| 12:00 | 324.7 | 3.6 | 329.1 | 5.9 | 341.8 | 8.0 | 342.0 | 10.8 | 335.0 |
| 12:15 | 319.7 | 3.0 | 333.6 | 6.6 | 350.8 | 8.5 | 347.0 | 10.8 | 335.2 |

| | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 12:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 12:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 13:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 14:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 15:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 16:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 17:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 18:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 19:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 20:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 21:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 22:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:00 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:15 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:30 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| 23:45 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| Avg | -968.2 | -958.9 | -968.1 | -958.9 | -978.7 | -972.6 |
| Max | 16.5 | 318.0 | 17.1 | 316.0 | 16.3 | 311.4 |
| Hr. of Max | 13 | 14 | 13 | 14 | 12 | 13 |
| Min | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| Count | 96 | 96 | 96 | 96 | 96 | 96 |
| Total | | | | | | |