

Daily Summary Report

Site: ORNL Sodar

5/3/2018

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 | 2.4 | 197.0 | 2.5 | 215.4 | 4.5 | 215.3 | 6.3 | 211.2 | 9.7 |
| 00:15 | 1.1 | 213.4 | 1.7 | 232.0 | 3.3 | 225.6 | 5.0 | 218.7 | 7.8 |
| 00:30 | .6 | 255.7 | 1.7 | 261.1 | 2.3 | 238.8 | 3.7 | 227.1 | 6.3 |
| 00:45 | .3 | 226.6 | 1.4 | 261.4 | 1.4 | 234.5 | 2.4 | 223.1 | 5.2 |
| 01:00 | .3 | 200.3 | .9 | 236.1 | .9 | 211.9 | 1.0 | 211.0 | 3.3 |
| 01:15 | .3 | 244.2 | .8 | 220.6 | .6 | 224.4 | .9 | 213.4 | 3.2 |
| 01:30 | .3 | 272.2 | .8 | 213.5 | 1.0 | 224.2 | 2.6 | 216.0 | 5.0 |
| 01:45 | .2 | 221.9 | .8 | 210.1 | 1.7 | 219.8 | 3.3 | 219.4 | 5.6 |
| 02:00 | .1 | 204.0 | .8 | 197.1 | 1.5 | 214.5 | 3.5 | 216.1 | 6.0 |
| 02:15 | .1 | 247.9 | .8 | 189.6 | 1.9 | 216.0 | 4.0 | 213.7 | 6.9 |
| 02:30 | .9 | 180.3 | 1.1 | 187.1 | 2.7 | 209.5 | 4.5 | 209.3 | 7.5 |
| 02:45 | 2.1 | 181.6 | 1.8 | 197.1 | 3.4 | 204.9 | 5.3 | 204.6 | 8.3 |
| 03:00 | 2.0 | 182.7 | 2.0 | 203.9 | 3.6 | 209.1 | 5.6 | 205.2 | 8.5 |
| 03:15 | 1.8 | 190.0 | 2.0 | 209.4 | 3.4 | 213.6 | 5.4 | 208.4 | 8.3 |
| 03:30 | 1.5 | 203.2 | 2.1 | 217.5 | 3.5 | 218.3 | 5.5 | 211.3 | 8.4 |
| 03:45 | 1.1 | 194.1 | 2.1 | 219.3 | 3.3 | 218.6 | 5.3 | 210.3 | 8.3 |
| 04:00 | 1.8 | 183.8 | 1.9 | 221.0 | 2.9 | 217.7 | 4.8 | 209.2 | 7.5 |
| 04:15 | .7 | 206.0 | 1.7 | 217.3 | 2.8 | 218.5 | 4.6 | 211.3 | 7.3 |
| 04:30 | 1.0 | 200.9 | 1.5 | 224.3 | 2.7 | 222.6 | 4.5 | 217.6 | 7.6 |
| 04:45 | 2.5 | 188.3 | 1.5 | 239.7 | 2.7 | 228.9 | 4.3 | 221.9 | 7.4 |
| 05:00 | 1.5 | 203.7 | 1.6 | 243.0 | 2.7 | 228.3 | 4.2 | 220.1 | 7.2 |
| 05:15 | .9 | 185.2 | 1.7 | 227.0 | 2.9 | 217.2 | 4.6 | 210.2 | 7.7 |
| 05:30 | 2.5 | 171.1 | 2.1 | 204.0 | 3.5 | 204.9 | 5.7 | 201.4 | 9.0 |
| 05:45 | 2.4 | 182.6 | 2.6 | 198.7 | 4.0 | 199.9 | 6.2 | 199.7 | 9.3 |
| 06:00 | 1.1 | 213.2 | 2.6 | 213.4 | 3.6 | 207.1 | 5.1 | 206.2 | 7.8 |
| 06:15 | .9 | 269.5 | 2.1 | 239.7 | 2.6 | 226.7 | 4.1 | 220.7 | 6.6 |
| 06:30 | 1.0 | 278.4 | 1.8 | 259.1 | 2.3 | 244.0 | 3.7 | 232.4 | 6.1 |
| 06:45 | .7 | 269.6 | 1.9 | 262.5 | 2.4 | 248.0 | 3.5 | 237.9 | 5.5 |
| 07:00 | .7 | 246.2 | 2.4 | 270.4 | 2.5 | 260.2 | 3.5 | 245.8 | 5.4 |
| 07:15 | .7 | 239.8 | 2.5 | 279.8 | 2.4 | 268.7 | 3.3 | 250.2 | 4.9 |
| 07:30 | .7 | 232.4 | 2.1 | 277.8 | 2.0 | 258.3 | 3.2 | 243.7 | 5.2 |
| 07:45 | .8 | 234.8 | 1.5 | 268.3 | 1.8 | 250.8 | 3.3 | 238.7 | 5.6 |
| 08:00 | 1.1 | 251.0 | 1.6 | 276.4 | 1.6 | 257.9 | 3.3 | 240.4 | 5.8 |
| 08:15 | 1.5 | 262.3 | 3.0 | 279.8 | 2.7 | 266.2 | 4.3 | 249.4 | 6.1 |
| 08:30 | 1.8 | 267.8 | 3.5 | 276.9 | 4.2 | 265.7 | 5.5 | 253.8 | 6.3 |
| 08:45 | 1.6 | 258.3 | 2.8 | 275.1 | 3.8 | 261.8 | 4.8 | 250.2 | 5.6 |
| 09:00 | 1.1 | 238.9 | 2.0 | 267.1 | 2.8 | 253.0 | 3.9 | 241.1 | 5.7 |
| 09:15 | .6 | 230.8 | 1.4 | 252.1 | 2.1 | 237.2 | 3.6 | 227.8 | 6.2 |
| 09:30 | .5 | 213.2 | 1.6 | 239.4 | 2.5 | 218.5 | 4.3 | 213.0 | 6.8 |
| 09:45 | .7 | 203.5 | 1.9 | 232.4 | 3.2 | 218.6 | 4.8 | 212.1 | 6.8 |
| 10:00 | .9 | 199.4 | 2.0 | 223.1 | 3.0 | 221.2 | 4.3 | 216.9 | 6.2 |
| 10:15 | 1.0 | 207.6 | 1.9 | 223.5 | 3.1 | 221.3 | 4.4 | 217.8 | 6.3 |
| 10:30 | 1.2 | 238.4 | 2.5 | 236.7 | 3.3 | 226.1 | 4.3 | 220.6 | 5.5 |
| 10:45 | 2.0 | 259.4 | 3.5 | 243.2 | 3.8 | 236.7 | 4.1 | 226.4 | 4.8 |
| 11:00 | 1.6 | 255.3 | 3.7 | 244.8 | 4.3 | 244.7 | 4.7 | 235.7 | 4.8 |
| 11:15 | 1.5 | 236.9 | 3.3 | 244.0 | 4.2 | 238.5 | 4.8 | 234.7 | 4.9 |
| 11:30 | 2.4 | 248.1 | 3.4 | 248.7 | 4.4 | 235.9 | 4.7 | 232.0 | 4.6 |
| 11:45 | 2.5 | 252.3 | 3.6 | 238.6 | 3.9 | 229.2 | 4.1 | 228.1 | 4.4 |
| 12:00 | 2.3 | 249.4 | 3.5 | 233.6 | 3.2 | 227.9 | 3.3 | 226.4 | 4.1 |
| 12:15 | 2.4 | 245.0 | 3.4 | 235.5 | 3.8 | 232.1 | 4.0 | 227.4 | 4.1 |

Daily Summary Report

Site: ORNL Sodar

5/3/2018

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 | 212.1 | 12.3 | 215.0 | 11.0 | 208.0 | -999.9 | -999.9 | -999.9 | -999.9 |
| 00:15 | 217.9 | 11.4 | 216.3 | 12.5 | 221.3 | -999.9 | -999.9 | -999.9 | -999.9 |
| 00:30 | 225.3 | 9.4 | 219.9 | 12.5 | 217.0 | 11.8 | 218.2 | 12.9 | 218.3 |
| 00:45 | 226.5 | 8.0 | 220.3 | 11.3 | 208.0 | 12.0 | 217.0 | 13.5 | 216.0 |
| 01:00 | 218.6 | 6.4 | 213.4 | 11.4 | 204.6 | 12.5 | 216.0 | 13.5 | 217.0 |
| 01:15 | 209.9 | 6.3 | 206.1 | 10.5 | 209.3 | 12.5 | 216.0 | 13.5 | 217.0 |
| 01:30 | 215.6 | 7.8 | 213.6 | 10.5 | 211.9 | 12.5 | 216.0 | 13.5 | 218.0 |
| 01:45 | 218.1 | 8.5 | 212.9 | 10.6 | 206.3 | 12.5 | 216.0 | 13.5 | 218.0 |
| 02:00 | 214.2 | 8.9 | 206.2 | 12.0 | 210.0 | 12.5 | 216.0 | 13.5 | 219.0 |
| 02:15 | 210.3 | 9.2 | 203.6 | 13.5 | 215.4 | 12.5 | 216.0 | 13.5 | 219.0 |
| 02:30 | 204.5 | 9.9 | 203.6 | 13.8 | 214.1 | 12.5 | 216.0 | 13.5 | 220.0 |
| 02:45 | 200.4 | 10.9 | 202.1 | 13.5 | 206.2 | 12.5 | 216.0 | 13.5 | 221.0 |
| 03:00 | 202.5 | 10.8 | 202.7 | 14.7 | 208.0 | 12.5 | 216.0 | 13.5 | 221.0 |
| 03:15 | 206.8 | 10.3 | 208.3 | 14.1 | 210.4 | 13.2 | 215.7 | 13.5 | 222.0 |
| 03:30 | 211.3 | 10.5 | 210.5 | 13.5 | 212.8 | 12.9 | 226.6 | 13.5 | 222.0 |
| 03:45 | 211.7 | 10.8 | 210.8 | 13.5 | 214.1 | 12.3 | 224.5 | 13.5 | 223.8 |
| 04:00 | 209.4 | 10.1 | 211.5 | 13.5 | 215.3 | 12.5 | 223.0 | 13.4 | 222.0 |
| 04:15 | 209.5 | 10.1 | 210.0 | 13.5 | 214.5 | 12.8 | 223.0 | 13.4 | 222.0 |
| 04:30 | 209.4 | 10.2 | 209.1 | 13.5 | 215.6 | 13.0 | 223.0 | 13.4 | 222.0 |
| 04:45 | 211.0 | 10.1 | 209.6 | 13.6 | 216.3 | 13.3 | 223.0 | 13.4 | 222.0 |
| 05:00 | 212.9 | 10.2 | 211.6 | 14.3 | 216.9 | 13.5 | 223.0 | 13.4 | 222.0 |
| 05:15 | 208.7 | 10.8 | 210.9 | 12.9 | 214.0 | 13.8 | 223.0 | 13.4 | 222.0 |
| 05:30 | 204.7 | 11.4 | 207.0 | 12.8 | 216.0 | 14.0 | 223.0 | 13.4 | 222.0 |
| 05:45 | 201.8 | 11.7 | 202.3 | 12.6 | 218.0 | 14.0 | 223.0 | 13.4 | 222.0 |
| 06:00 | 201.4 | 11.6 | 195.1 | 12.5 | 220.0 | 14.3 | 223.0 | 13.4 | 222.0 |
| 06:15 | 211.2 | 7.1 | 206.4 | 12.4 | 222.0 | 14.3 | 223.0 | 13.4 | 222.0 |
| 06:30 | 215.3 | 8.2 | 212.3 | 12.3 | 224.0 | 14.5 | 223.0 | 13.4 | 222.0 |
| 06:45 | 222.5 | 7.9 | 217.8 | 12.2 | 226.0 | 14.5 | 223.0 | 13.4 | 222.0 |
| 07:00 | 231.6 | 7.7 | 228.5 | 12.1 | 228.0 | 14.8 | 223.0 | 13.4 | 222.0 |
| 07:15 | 234.4 | 7.1 | 226.3 | 11.5 | 221.1 | 14.8 | 223.0 | 13.4 | 222.0 |
| 07:30 | 227.8 | 7.1 | 215.2 | 10.3 | 214.9 | 15.0 | 223.0 | 13.4 | 222.0 |
| 07:45 | 221.7 | 7.9 | 210.6 | 11.1 | 220.7 | 15.0 | 223.0 | 13.4 | 222.0 |
| 08:00 | 225.5 | 8.1 | 216.6 | 12.7 | 218.0 | 15.1 | 222.5 | 13.4 | 222.0 |
| 08:15 | 232.5 | 8.4 | 222.5 | 12.9 | 222.5 | 16.0 | 220.3 | 13.4 | 222.0 |
| 08:30 | 235.7 | 8.9 | 224.9 | 14.3 | 224.6 | 16.2 | 219.6 | 13.4 | 222.0 |
| 08:45 | 232.9 | 8.6 | 221.3 | 15.2 | 220.2 | 14.6 | 218.6 | 13.4 | 222.0 |
| 09:00 | 229.7 | 8.5 | 215.2 | 14.0 | 218.6 | 13.5 | 221.3 | 13.4 | 222.0 |
| 09:15 | 221.6 | 9.0 | 210.6 | 13.7 | 216.4 | 13.9 | 221.1 | 13.4 | 222.0 |
| 09:30 | 207.7 | 9.3 | 206.0 | 13.6 | 209.5 | 12.0 | 217.2 | 13.4 | 222.0 |
| 09:45 | 205.0 | 8.9 | 205.8 | 12.5 | 209.1 | 12.7 | 219.0 | 13.4 | 222.0 |
| 10:00 | 212.1 | 8.2 | 210.5 | 11.5 | 211.3 | 14.9 | 217.6 | 13.4 | 222.0 |
| 10:15 | 215.9 | 8.2 | 213.1 | 11.3 | 211.9 | 13.8 | 215.4 | 13.4 | 222.0 |
| 10:30 | 214.6 | 7.5 | 212.5 | 10.5 | 214.2 | 12.3 | 219.4 | 13.4 | 222.0 |
| 10:45 | 216.4 | 6.7 | 212.2 | 8.7 | 215.9 | 10.5 | 219.6 | 13.3 | 220.1 |
| 11:00 | 230.6 | 6.7 | 223.1 | 8.8 | 221.2 | 10.3 | 219.1 | 11.5 | 223.5 |
| 11:15 | 241.7 | 5.7 | 235.4 | 9.4 | 224.7 | 10.4 | 217.7 | 10.9 | 224.3 |
| 11:30 | 239.6 | 5.3 | 233.7 | 8.7 | 221.7 | 9.2 | 224.8 | 11.1 | 221.0 |
| 11:45 | 231.4 | 6.0 | 227.7 | 8.5 | 218.5 | 9.8 | 229.5 | 10.9 | 222.8 |
| 12:00 | 223.5 | 5.7 | 231.2 | 7.9 | 227.3 | 9.8 | 230.0 | 11.1 | 233.9 |
| 12:15 | 226.6 | 5.3 | 231.8 | 7.6 | 222.0 | -999.9 | -999.9 | -999.9 | -999.9 |

| | 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 | -535.7 | -437.1 | -989.3 | -987.2 | -999.9 | -999.9 |
| Max | 13.5 | 232.7 | 13.9 | 221.3 | -999.9 | -999.9 |
| Hr. of Max | 03 | 44 | 02 | 02 | 95 | 95 |
| Min | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 | -999.9 |
| Count | 96 | 96 | 96 | 96 | 96 | 96 |
| Total | | | | | | |