

Daily Summary Report

Site: ORNL Sodar

1/21/2018

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 | 307.6 | .8 | 202.3 | 1.2 | 222.9 | 2.3 | 228.7 | 3.6 |
| 00:15 | .1 | 20.2 | .6 | 199.0 | 1.6 | 227.7 | 2.8 | 226.4 | 3.7 |
| 00:30 | .2 | 97.8 | .6 | 196.8 | 1.9 | 225.2 | 3.0 | 225.4 | 2.9 |
| 00:45 | .1 | 94.9 | .7 | 207.4 | 1.5 | 228.8 | 2.5 | 233.0 | 1.9 |
| 01:00 | .1 | 358.5 | .4 | 226.0 | .8 | 229.7 | 1.5 | 233.0 | 1.4 |
| 01:15 | .3 | 52.7 | .2 | 258.0 | .6 | 221.0 | 1.5 | 229.6 | 1.9 |
| 01:30 | .2 | 49.4 | .4 | 256.5 | 1.2 | 237.1 | 1.8 | 233.9 | 1.9 |
| 01:45 | .2 | 4.7 | .4 | 236.1 | 1.3 | 238.3 | 1.7 | 232.2 | 1.6 |
| 02:00 | .3 | 76.6 | .3 | 254.9 | 1.3 | 227.1 | 2.1 | 228.2 | 2.3 |
| 02:15 | .1 | 42.9 | .2 | 250.5 | 1.1 | 231.6 | 2.1 | 229.0 | 2.6 |
| 02:30 | .3 | 330.2 | .2 | 219.0 | .7 | 241.1 | 1.6 | 233.3 | 2.2 |
| 02:45 | .1 | 6.7 | .2 | 232.2 | .7 | 247.8 | 1.4 | 239.9 | 2.1 |
| 03:00 | .1 | 160.3 | .1 | 220.4 | 1.1 | 253.7 | 1.8 | 243.4 | 2.8 |
| 03:15 | .1 | 175.7 | .0 | 262.5 | 1.0 | 256.8 | 1.7 | 248.0 | 3.0 |
| 03:30 | .2 | 224.7 | .1 | 82.5 | .4 | 276.2 | 1.1 | 257.2 | 2.8 |
| 03:45 | .3 | 274.5 | .2 | 159.4 | .6 | 268.0 | 1.4 | 252.2 | 3.0 |
| 04:00 | .5 | 285.0 | .3 | 176.0 | .9 | 253.7 | 2.0 | 245.0 | 3.3 |
| 04:15 | .3 | 269.2 | .3 | 153.1 | .9 | 231.1 | 1.9 | 227.8 | 3.6 |
| 04:30 | .4 | 273.2 | .2 | 147.7 | .8 | 199.4 | 1.6 | 205.8 | 3.6 |
| 04:45 | .7 | 276.3 | .2 | 116.7 | .4 | 200.9 | .9 | 207.4 | 2.5 |
| 05:00 | .4 | 280.0 | .2 | 110.0 | .2 | 227.2 | .5 | 245.0 | 1.4 |
| 05:15 | .1 | 226.5 | .1 | 90.2 | .2 | 237.9 | .6 | 251.5 | 1.5 |
| 05:30 | .2 | 207.9 | .1 | 97.3 | .2 | 274.0 | .6 | 242.1 | 1.8 |
| 05:45 | .1 | 150.9 | .2 | 107.9 | .1 | 268.4 | .7 | 236.3 | 1.9 |
| 06:00 | .2 | 95.2 | .2 | 92.9 | .3 | 194.8 | 1.1 | 221.8 | 2.9 |
| 06:15 | .1 | 229.6 | .3 | 110.9 | .6 | 195.5 | 1.6 | 214.8 | 3.8 |
| 06:30 | .2 | 262.4 | .3 | 154.2 | .6 | 205.1 | 1.5 | 215.0 | 3.1 |
| 06:45 | .1 | 281.6 | .4 | 169.5 | .5 | 214.4 | 1.2 | 216.2 | 2.0 |
| 07:00 | .1 | 324.6 | .3 | 165.6 | .6 | 216.4 | 1.1 | 213.1 | 1.7 |
| 07:15 | .1 | 308.4 | .2 | 158.9 | .6 | 225.6 | 1.1 | 215.6 | 1.3 |
| 07:30 | .2 | 257.4 | .2 | 192.4 | .6 | 232.6 | 1.1 | 224.0 | 1.6 |
| 07:45 | .2 | 241.1 | .3 | 198.5 | .8 | 217.0 | 1.2 | 222.4 | 2.6 |
| 08:00 | .1 | 215.5 | .6 | 161.9 | 1.0 | 208.1 | 1.4 | 213.1 | 2.2 |
| 08:15 | .3 | 236.8 | .7 | 172.0 | .9 | 211.2 | 1.3 | 216.5 | 1.3 |
| 08:30 | .2 | 213.2 | .8 | 207.6 | .8 | 222.3 | 1.0 | 233.6 | 1.0 |
| 08:45 | .2 | 154.6 | .8 | 213.4 | .8 | 223.4 | .5 | 247.8 | .8 |
| 09:00 | .2 | 197.1 | .4 | 211.5 | .6 | 227.8 | .5 | 242.5 | .6 |
| 09:15 | .3 | 240.0 | .3 | 206.8 | .4 | 222.8 | .5 | 210.6 | .8 |
| 09:30 | .3 | 241.4 | .2 | 243.8 | .2 | 216.8 | .2 | 221.1 | .9 |
| 09:45 | .2 | 209.0 | .3 | 265.6 | .4 | 231.4 | .4 | 248.1 | 1.0 |
| 10:00 | .2 | 197.5 | .3 | 240.9 | .3 | 238.9 | .6 | 234.5 | .9 |
| 10:15 | .2 | 218.7 | .7 | 256.6 | .6 | 269.7 | .7 | 254.4 | 1.2 |
| 10:30 | .4 | 266.4 | .7 | 255.6 | .8 | 258.9 | 1.1 | 238.8 | 2.0 |
| 10:45 | .6 | 272.3 | .8 | 248.9 | .9 | 251.5 | 1.2 | 233.8 | 2.0 |
| 11:00 | .5 | 275.8 | 1.2 | 259.3 | .9 | 252.0 | 1.2 | 250.7 | 1.9 |
| 11:15 | .4 | 279.6 | 1.3 | 266.9 | 1.1 | 262.0 | 1.7 | 262.8 | 2.1 |
| 11:30 | .4 | 224.1 | .7 | 250.0 | .9 | 254.1 | 1.4 | 258.3 | 1.8 |
| 11:45 | .6 | 209.8 | .6 | 232.7 | .9 | 220.6 | 1.6 | 215.9 | 3.0 |
| 12:00 | .6 | 246.1 | 1.2 | 262.6 | 1.5 | 221.5 | 1.7 | 217.9 | 3.0 |
| 12:15 | .6 | 246.0 | .9 | 260.2 | 1.2 | 219.1 | 1.3 | 224.2 | 2.5 |

Daily Summary Report

Site: ORNL Sodar

1/21/2018

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 | 222.4 | 6.1 | 213.9 | .3 | 283.2 | 1.0 | 311.6 | .9 | 292.3 |
| 00:15 | 218.2 | 7.1 | 207.8 | 5.0 | 215.0 | .9 | 281.7 | .6 | 240.0 |
| 00:30 | 221.3 | 6.1 | 201.1 | 7.9 | 184.3 | .4 | 186.1 | .4 | 177.8 |
| 00:45 | 228.7 | 4.8 | 204.0 | 6.8 | 189.2 | .8 | 90.4 | .4 | 308.0 |
| 01:00 | 223.4 | 3.4 | 211.0 | 6.2 | 195.3 | .7 | 56.3 | 1.0 | 306.7 |
| 01:15 | 226.0 | 3.2 | 213.5 | 7.8 | 208.7 | .9 | 165.3 | 1.0 | 289.4 |
| 01:30 | 227.1 | 3.4 | 214.8 | 6.5 | 195.3 | .7 | 236.1 | .3 | 315.8 |
| 01:45 | 227.8 | 3.6 | 222.1 | 1.7 | 224.8 | .5 | 277.0 | .7 | 300.0 |
| 02:00 | 226.0 | 4.7 | 218.6 | 4.0 | 233.1 | .4 | 226.1 | 1.0 | 275.0 |
| 02:15 | 228.5 | 4.9 | 216.2 | 6.8 | 215.2 | 1.0 | 223.1 | 1.1 | 250.8 |
| 02:30 | 236.8 | 4.6 | 218.6 | 8.0 | 218.2 | 3.0 | 200.0 | .5 | 147.7 |
| 02:45 | 241.0 | 4.2 | 224.5 | 8.0 | 214.7 | 2.5 | 221.0 | .5 | 48.8 |
| 03:00 | 240.6 | 4.2 | 221.7 | 8.7 | 194.3 | 1.5 | 180.0 | .4 | 343.8 |
| 03:15 | 241.8 | 4.7 | 222.8 | 8.2 | 189.9 | .9 | 147.1 | .2 | 24.9 |
| 03:30 | 238.8 | 5.3 | 225.8 | 7.8 | 217.3 | 1.6 | 190.0 | .3 | 123.3 |
| 03:45 | 234.8 | 5.2 | 225.4 | 8.3 | 220.5 | 5.5 | 190.0 | | |
| 04:00 | 228.6 | 5.5 | 222.8 | 8.6 | 208.2 | 6.0 | 192.0 | | |
| 04:15 | 215.1 | 6.1 | 211.2 | 8.5 | 202.0 | 7.0 | 194.0 | | |
| 04:30 | 208.1 | 6.1 | 203.4 | 8.3 | 198.0 | 7.5 | 195.0 | | |
| 04:45 | 210.0 | 4.6 | 208.3 | 8.1 | 194.0 | 8.0 | 196.0 | | |
| 05:00 | 226.0 | 3.5 | 218.1 | 7.7 | 203.7 | 8.6 | 197.4 | | |
| 05:15 | 229.9 | 3.6 | 222.5 | 8.2 | 211.4 | 9.0 | 210.0 | | |
| 05:30 | 230.8 | 4.3 | 224.0 | 8.3 | 219.5 | 11.0 | 220.0 | | |
| 05:45 | 233.1 | 4.6 | 223.2 | 8.7 | 221.5 | 12.5 | 227.0 | | |
| 06:00 | 223.5 | 5.4 | 217.5 | 10.8 | 218.7 | 12.9 | 227.8 | | |
| 06:15 | 219.2 | 6.1 | 214.2 | 10.0 | 205.0 | 12.9 | 227.0 | | |
| 06:30 | 215.5 | 5.7 | 210.5 | 9.2 | 191.0 | 12.9 | 226.0 | | |
| 06:45 | 209.0 | 4.8 | 203.3 | 9.2 | 205.5 | 12.9 | 225.0 | | |
| 07:00 | 210.6 | 2.9 | 202.6 | 8.3 | 211.4 | 12.9 | 224.0 | | |
| 07:15 | 214.9 | 2.6 | 212.7 | 8.4 | 207.4 | 13.0 | 223.0 | | |
| 07:30 | 224.4 | 3.6 | 216.1 | 9.7 | 213.5 | 13.0 | 222.4 | | |
| 07:45 | 220.8 | 4.6 | 214.4 | 9.9 | 213.9 | 11.8 | 223.5 | | |
| 08:00 | 219.3 | 3.9 | 210.0 | 9.0 | 207.5 | 11.8 | 223.0 | | |
| 08:15 | 223.1 | 2.5 | 203.8 | 8.1 | 205.8 | 11.8 | 222.0 | | |
| 08:30 | 216.2 | 2.1 | 204.7 | 8.3 | 208.3 | 11.8 | 222.0 | | |
| 08:45 | 219.5 | 2.8 | 195.4 | 7.5 | 208.5 | 11.8 | 222.0 | | |
| 09:00 | 238.9 | 2.4 | 198.3 | 6.7 | 208.1 | 11.7 | 222.0 | | |
| 09:15 | 227.9 | 2.0 | 204.0 | 6.9 | 204.1 | 11.7 | 221.0 | | |
| 09:30 | 229.5 | 2.0 | 204.6 | 8.4 | 198.5 | 11.7 | 221.0 | | |
| 09:45 | 223.2 | 2.3 | 207.4 | 8.6 | 201.4 | 11.7 | 220.0 | | |
| 10:00 | 231.0 | 2.7 | 218.9 | 6.2 | 211.0 | 11.7 | 220.0 | | |
| 10:15 | 252.5 | 3.0 | 232.7 | 5.6 | 221.8 | 11.7 | 220.0 | | |
| 10:30 | 230.1 | 3.9 | 222.2 | 8.1 | 213.8 | 11.7 | 220.0 | | |
| 10:45 | 230.7 | 4.2 | 218.6 | 8.4 | 212.8 | 11.7 | 220.0 | | |
| 11:00 | 244.8 | 3.9 | 216.8 | 5.4 | 231.2 | 11.7 | 220.0 | | |
| 11:15 | 243.2 | 3.9 | 213.7 | 6.0 | 227.0 | 11.7 | 220.0 | | |
| 11:30 | 233.9 | 3.9 | 210.0 | 7.0 | 222.0 | 11.7 | 220.0 | | |
| 11:45 | 204.7 | 5.4 | 202.1 | 8.0 | 217.0 | 11.7 | 220.0 | | |
| 12:00 | 211.7 | 5.1 | 207.0 | 8.2 | 212.7 | 11.7 | 220.0 | | |
| 12:15 | 217.7 | 4.5 | 207.5 | 7.6 | 211.6 | 11.7 | 220.0 | | |

Daily Summary Report

Site: ORNL Sodar

1/21/2018

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 | | | | | | |
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| | 22_WS700m | 23_WDir700m | 24_WS800m | 25_WDir800m | 26_WS900m | 27_WDir900m |
|------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Hour | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 12:30 | | | | | | |
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