

Daily Summary Report

Site: ORNL Sodar

3/29/2018

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 | 1.5 | 177.5 | 2.8 | 192.5 | 5.0 | 193.9 | 6.7 | 193.0 | 9.6 |
| 00:15 | 2.3 | 170.0 | 2.9 | 188.6 | 5.1 | 189.4 | 6.8 | 188.7 | 9.4 |
| 00:30 | 2.0 | 189.6 | 2.8 | 185.6 | 5.0 | 187.3 | 6.9 | 186.3 | 9.6 |
| 00:45 | 2.3 | 187.2 | 2.6 | 182.5 | 4.8 | 185.9 | 7.0 | 186.4 | 9.9 |
| 01:00 | 1.7 | 174.6 | 2.9 | 180.5 | 5.5 | 185.1 | 7.5 | 185.5 | 10.4 |
| 01:15 | .2 | 15.1 | 3.7 | 179.9 | 6.1 | 185.4 | 8.0 | 186.0 | 10.6 |
| 01:30 | 1.3 | 188.1 | 4.1 | 180.0 | 5.8 | 186.2 | 7.6 | 186.5 | 10.4 |
| 01:45 | 2.2 | 186.2 | 4.0 | 185.3 | 5.7 | 188.4 | 7.5 | 186.8 | 10.2 |
| 02:00 | 2.6 | 185.3 | 3.6 | 187.8 | 6.0 | 188.5 | 7.9 | 187.2 | 10.6 |
| 02:15 | 2.7 | 183.7 | 4.0 | 186.1 | 6.2 | 186.9 | 8.4 | 185.9 | 11.0 |
| 02:30 | 2.1 | 190.0 | 4.0 | 188.0 | 5.8 | 187.1 | 8.4 | 184.9 | 10.6 |
| 02:45 | 2.0 | 181.2 | 3.6 | 188.5 | 5.5 | 187.6 | 8.0 | 185.1 | 10.6 |
| 03:00 | 2.5 | 181.3 | 4.0 | 184.9 | 6.3 | 187.2 | 8.3 | 186.6 | 11.1 |
| 03:15 | 3.2 | 186.2 | 5.0 | 188.2 | 7.1 | 191.1 | 9.0 | 190.3 | 11.3 |
| 03:30 | 3.3 | 190.2 | 4.7 | 190.4 | 6.5 | 193.9 | 8.5 | 191.3 | 10.5 |
| 03:45 | 2.9 | 189.3 | 3.4 | 190.8 | 5.0 | 192.5 | 6.8 | 189.7 | 9.1 |
| 04:00 | 2.4 | 186.7 | 2.9 | 201.3 | 4.6 | 196.4 | 6.0 | 194.6 | 8.2 |
| 04:15 | 2.0 | 198.0 | 2.5 | 210.3 | 4.4 | 202.2 | 5.6 | 203.4 | 7.7 |
| 04:30 | 2.1 | 213.8 | 2.5 | 216.1 | 4.1 | 210.9 | 5.5 | 211.4 | 7.1 |
| 04:45 | 2.3 | 224.2 | 2.9 | 222.9 | 4.7 | 224.4 | 6.3 | 222.2 | 7.8 |
| 05:00 | 3.3 | 226.4 | 4.3 | 225.4 | 6.3 | 226.5 | 7.5 | 224.1 | 9.5 |
| 05:15 | 4.6 | 224.1 | 6.0 | 223.0 | 8.0 | 221.8 | 9.0 | 218.1 | 10.7 |
| 05:30 | 5.2 | 217.9 | 6.2 | 219.3 | 8.6 | 217.5 | 10.0 | 213.5 | 10.7 |
| 05:45 | 6.1 | 202.6 | 6.7 | 211.8 | 8.6 | 213.8 | 10.5 | 211.4 | 11.0 |
| 06:00 | 3.3 | 216.5 | 6.5 | 214.3 | 8.7 | 218.5 | 10.8 | 217.8 | 13.2 |
| 06:15 | 4.2 | 195.9 | 4.9 | 208.8 | 7.8 | 214.3 | 9.4 | 215.6 | 12.0 |
| 06:30 | 2.8 | 195.6 | 4.0 | 195.5 | 6.2 | 205.6 | 7.3 | 201.1 | 10.1 |
| 06:45 | 1.2 | 217.5 | 2.3 | 191.8 | 4.4 | 203.2 | 5.6 | 200.3 | 9.0 |
| 07:00 | .7 | 250.3 | 1.0 | 190.7 | 2.8 | 196.0 | 3.8 | 201.3 | 6.2 |
| 07:15 | .6 | 257.5 | 1.3 | 208.7 | 2.8 | 195.4 | 3.6 | 196.0 | 4.1 |
| 07:30 | .5 | 245.8 | 1.6 | 220.3 | 2.9 | 199.4 | 4.8 | 202.7 | 5.4 |
| 07:45 | .6 | 247.1 | 1.2 | 218.3 | 2.7 | 199.6 | 4.2 | 203.2 | 4.8 |
| 08:00 | .6 | 238.7 | .9 | 205.5 | 2.5 | 203.9 | 4.1 | 198.8 | 6.2 |
| 08:15 | .5 | 223.9 | 1.0 | 217.7 | 2.4 | 212.1 | 4.0 | 207.2 | 6.0 |
| 08:30 | .6 | 233.4 | 1.5 | 205.0 | 2.5 | 208.9 | 2.6 | 223.1 | 3.2 |
| 08:45 | .4 | 231.2 | 1.5 | 216.5 | 2.4 | 201.4 | 2.1 | 219.7 | 4.3 |
| 09:00 | .3 | 202.7 | 1.3 | 242.4 | 1.6 | 195.0 | 1.7 | 235.9 | 5.0 |
| 09:15 | .4 | 211.1 | .8 | 229.7 | 2.2 | 194.2 | 3.0 | 210.4 | 5.5 |
| 09:30 | .5 | 237.5 | 1.1 | 233.2 | 2.3 | 210.1 | 4.6 | 197.5 | 6.0 |
| 09:45 | .3 | 246.4 | 1.6 | 228.0 | 2.4 | 211.1 | 4.9 | 193.9 | 6.3 |
| 10:00 | .3 | 198.0 | 1.1 | 197.4 | 2.6 | 201.5 | 4.6 | 195.6 | 4.1 |
| 10:15 | .4 | 214.0 | .5 | 206.8 | 2.4 | 197.8 | 4.6 | 197.0 | 4.7 |
| 10:30 | .4 | 242.4 | 1.6 | 254.0 | 3.0 | 201.0 | 3.9 | 194.6 | 4.8 |
| 10:45 | .4 | 242.3 | 1.7 | 249.6 | 2.4 | 204.0 | 1.9 | 197.0 | 2.0 |
| 11:00 | .2 | 250.7 | .7 | 233.5 | 1.1 | 194.1 | .9 | 180.0 | .8 |
| 11:15 | .1 | 276.4 | .6 | 227.3 | 1.1 | 192.6 | 1.3 | 184.0 | 1.7 |
| 11:30 | .4 | 256.8 | .7 | 230.6 | 1.4 | 201.7 | 2.7 | 187.3 | 3.3 |
| 11:45 | .3 | 256.0 | .5 | 234.8 | 1.2 | 217.1 | 1.8 | 192.1 | 5.1 |
| 12:00 | .4 | 264.0 | .1 | 259.1 | .6 | 224.4 | .7 | 206.3 | 1.7 |
| 12:15 | .4 | 247.3 | .7 | 225.9 | 1.0 | 218.7 | 1.5 | 200.8 | 1.8 |

Daily Summary Report

Site: ORNL Sodar

3/29/2018

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 | 187.7 | 11.2 | 182.7 | 12.8 | 183.5 | | | 17.4 | 214.0 |
| 00:15 | 186.1 | 11.2 | 182.8 | 12.0 | 185.3 | | | 17.5 | 214.0 |
| 00:30 | 186.0 | 12.2 | 183.6 | 11.7 | 183.3 | | | 17.6 | 214.0 |
| 00:45 | 185.7 | 12.4 | 183.4 | 12.0 | 182.5 | | | 17.6 | 214.0 |
| 01:00 | 184.6 | 12.5 | 183.1 | 12.5 | 180.0 | 11.3 | 179.2 | 17.6 | 214.0 |
| 01:15 | 184.6 | 13.1 | 183.4 | 13.0 | 179.0 | 9.8 | 179.5 | 17.7 | 214.0 |
| 01:30 | 185.3 | 12.2 | 184.5 | 10.7 | 180.6 | 10.8 | 181.5 | 17.8 | 214.0 |
| 01:45 | 186.1 | 11.9 | 185.5 | 10.8 | 181.0 | 11.4 | 180.8 | 17.8 | 214.0 |
| 02:00 | 186.8 | 12.3 | 184.3 | 11.6 | 180.7 | 11.2 | 180.5 | 17.9 | 214.0 |
| 02:15 | 186.3 | 11.9 | 183.7 | 11.1 | 182.0 | 11.2 | 181.0 | 17.9 | 214.0 |
| 02:30 | 185.5 | 11.1 | 184.4 | 11.0 | 183.0 | 11.3 | 182.0 | 17.9 | 214.0 |
| 02:45 | 185.9 | 11.4 | 184.7 | 10.0 | 182.9 | 11.4 | 183.0 | 18.0 | 214.0 |
| 03:00 | 186.7 | 11.7 | 183.2 | 12.3 | 181.1 | 11.5 | 183.4 | 18.1 | 214.0 |
| 03:15 | 188.9 | 12.4 | 185.9 | 11.5 | 185.9 | 12.0 | 186.0 | 18.1 | 214.0 |
| 03:30 | 190.4 | 11.8 | 189.8 | 11.0 | 186.0 | 12.4 | 189.0 | 18.1 | 214.0 |
| 03:45 | 191.6 | 10.9 | 193.4 | 10.2 | 187.6 | 12.7 | 202.0 | 18.2 | 214.0 |
| 04:00 | 196.9 | 10.4 | 197.5 | 11.6 | 191.4 | 13.0 | 205.0 | 18.3 | 214.0 |
| 04:15 | 203.4 | 10.0 | 201.6 | 11.6 | 204.7 | 13.3 | 209.0 | 18.3 | 214.0 |
| 04:30 | 207.0 | 9.5 | 202.8 | 12.4 | 206.2 | 14.0 | 211.0 | 18.4 | 214.0 |
| 04:45 | 213.8 | 10.1 | 210.8 | 12.7 | 209.0 | 15.0 | 214.0 | 18.4 | 214.0 |
| 05:00 | 218.1 | 11.7 | 218.3 | 14.5 | 213.6 | 16.0 | 216.0 | 18.4 | 214.0 |
| 05:15 | 216.3 | 13.0 | 214.9 | 15.6 | 212.0 | 16.7 | 218.9 | 17.3 | 214.9 |
| 05:30 | 214.1 | 13.2 | 213.2 | 15.5 | 213.4 | 15.9 | 213.0 | 15.8 | 216.0 |
| 05:45 | 213.2 | 13.2 | 216.1 | 15.8 | 216.0 | 15.7 | 210.9 | 15.7 | 215.0 |
| 06:00 | 222.6 | 13.3 | 218.5 | 15.2 | 216.9 | 15.4 | 221.2 | 15.7 | 215.0 |
| 06:15 | 216.8 | 12.0 | 216.6 | 14.6 | 214.9 | 15.3 | 220.7 | 15.7 | 215.0 |
| 06:30 | 203.2 | 11.1 | 215.2 | 13.8 | 216.8 | 15.1 | 220.2 | 15.7 | 215.0 |
| 06:45 | 188.9 | 10.0 | 208.6 | 12.5 | 222.7 | 14.9 | 219.7 | 15.7 | 215.0 |
| 07:00 | 195.1 | 8.9 | 195.8 | 12.2 | 223.0 | 14.8 | 218.7 | 15.7 | 215.0 |
| 07:15 | 193.5 | 7.7 | 197.3 | 12.2 | 224.0 | 14.7 | 217.7 | 15.7 | 215.0 |
| 07:30 | 192.6 | 8.6 | 209.2 | 12.0 | 225.0 | 14.5 | 216.7 | 15.7 | 215.0 |
| 07:45 | 195.3 | 8.0 | 205.0 | 12.0 | 226.0 | 14.3 | 215.7 | 15.7 | 215.0 |
| 08:00 | 197.7 | 7.7 | 201.9 | 11.8 | 226.0 | 14.2 | 214.7 | 15.7 | 215.0 |
| 08:15 | 204.1 | 9.3 | 219.4 | 11.6 | 226.1 | 14.1 | 213.7 | 15.7 | 215.0 |
| 08:30 | 203.7 | 9.3 | 215.0 | 11.5 | 223.0 | 13.9 | 212.7 | 15.7 | 215.0 |
| 08:45 | 179.7 | 9.3 | 210.0 | 11.3 | 220.0 | 13.8 | 211.7 | 15.7 | 215.0 |
| 09:00 | 181.0 | 9.3 | 205.0 | 11.0 | 217.0 | 13.6 | 210.7 | 15.7 | 215.0 |
| 09:15 | 183.0 | 9.3 | 200.0 | 10.8 | 214.0 | 13.4 | 209.7 | 15.7 | 214.0 |
| 09:30 | 186.0 | 9.2 | 195.0 | 10.5 | 211.0 | 13.3 | 208.7 | 15.7 | 214.0 |
| 09:45 | 189.1 | 9.2 | 187.3 | 10.3 | 205.0 | 13.2 | 207.7 | 15.7 | 214.0 |
| 10:00 | 197.9 | 8.5 | 187.3 | 10.0 | 200.0 | 13.0 | 206.7 | 15.7 | 214.0 |
| 10:15 | 192.4 | 7.8 | 187.3 | 9.8 | 190.0 | 12.8 | 205.7 | 15.7 | 214.0 |
| 10:30 | 189.2 | 7.2 | 193.2 | 9.4 | 179.4 | 12.7 | 204.7 | 15.7 | 214.0 |
| 10:45 | 192.8 | 4.5 | 190.0 | 9.5 | 183.0 | 12.6 | 203.7 | 15.7 | 214.0 |
| 11:00 | 198.9 | 1.6 | 190.4 | 9.6 | 186.0 | 12.4 | 202.7 | 15.7 | 214.0 |
| 11:15 | 194.3 | 4.0 | 190.0 | 9.7 | 188.0 | 12.3 | 202.2 | 15.7 | 214.0 |
| 11:30 | 190.0 | 6.0 | 188.0 | 9.7 | 190.0 | 12.1 | 201.7 | 15.7 | 214.0 |
| 11:45 | 185.5 | 7.0 | 186.9 | 9.8 | 192.0 | 11.9 | 201.2 | 15.7 | 214.0 |
| 12:00 | 186.9 | 6.3 | 184.0 | 9.9 | 194.0 | 11.8 | 200.7 | 15.7 | 214.0 |
| 12:15 | 189.1 | 6.3 | 186.6 | 10.0 | 197.0 | 11.7 | 200.2 | 15.7 | 214.0 |

Daily Summary Report

Site: ORNL Sodar

3/29/2018

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 | 15.7 | 228.1 | 16.2 | 221.1 | 14.4 | 224.0 |
| 18:15 | 13.6 | 227.1 | 16.1 | 227.2 | 13.9 | 230.2 |
| 18:30 | 13.7 | 227.2 | 16.1 | 228.0 | 13.9 | 231.0 |
| 18:45 | 13.7 | 227.2 | 16.1 | 228.0 | 14.0 | 231.0 |
| 19:00 | 13.7 | 227.2 | 16.1 | 228.0 | 14.0 | 231.0 |
| 19:15 | 13.8 | 227.2 | 16.1 | 228.0 | 14.0 | 231.0 |
| 19:30 | 13.8 | 227.2 | 16.0 | 228.0 | 14.0 | 231.0 |
| 19:45 | 13.8 | 227.2 | 16.0 | 228.0 | 14.1 | 231.0 |
| 20:00 | 13.9 | 227.2 | 16.0 | 228.0 | 14.1 | 231.0 |
| 20:15 | 13.9 | 227.2 | 16.0 | 228.0 | 14.1 | 231.0 |
| 20:30 | 14.0 | 227.2 | 16.0 | 228.0 | 14.1 | 231.0 |
| 20:45 | 14.0 | 227.2 | 15.9 | 228.0 | 14.1 | 231.0 |
| 21:00 | 14.1 | 227.2 | 15.9 | 228.0 | 14.2 | 231.0 |
| 21:15 | 14.1 | 227.2 | 15.9 | 228.0 | 14.2 | 231.0 |
| 21:30 | 14.1 | 227.2 | 15.9 | 228.0 | 14.2 | 231.0 |
| 21:45 | 14.2 | 227.2 | 15.9 | 228.0 | 14.2 | 231.0 |
| 22:00 | 14.2 | 227.2 | 15.8 | 228.0 | 14.2 | 231.0 |
| 22:15 | 14.3 | 227.2 | 15.8 | 228.0 | 14.3 | 231.0 |
| 22:30 | 14.3 | 227.2 | 15.8 | 228.0 | 14.3 | 231.0 |
| 22:45 | 14.3 | 227.2 | 15.8 | 228.0 | 14.3 | 231.0 |
| 23:00 | 14.4 | 227.2 | 15.7 | 228.0 | 14.3 | 231.0 |
| 23:15 | 14.4 | 227.2 | 15.7 | 228.0 | 14.3 | 231.0 |
| 23:30 | 14.4 | 227.2 | 15.6 | 228.0 | 14.3 | 231.0 |
| 23:45 | 14.5 | 227.2 | 15.6 | 228.0 | 14.4 | 231.0 |
| Avg | 14.1 | 227.2 | 15.9 | 227.7 | 14.2 | 230.7 |
| Max | 15.7 | 228.1 | 16.2 | 228.0 | 14.4 | 231.0 |
| Hr. of Max | 72 | 72 | 72 | 95 | 95 | 95 |
| Min | 13.6 | 227.1 | 15.6 | 221.1 | 13.9 | 224.0 |
| Count | 24 | 24 | 24 | 24 | 24 | 24 |
| Total | | | | | | |