

Daily Summary Report

Site: Lidar "Q" (PAM35)

7/21/2022

Interval: 005m

| | 03_TempC_002m | 04_BP_002m | 05_RH_002m | 06_WS040m | 07_WD040m | 08_VWS040m | 09_WS060m | 10_WD060m | 11_VWS060m |
|-------|---------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | DEGC | INHG | PERCENT | M/SEC | DEG | M/SEC | M/SEC | DEG | MPH |
| 00:00 | 28.2 | 983.00 | 74.0 | 4.2 | 236.7 | -.07 | 5.3 | 237.7 | -.19 |
| 00:05 | 28.2 | 983.00 | 74.0 | 3.3 | 222.1 | -.16 | 4.4 | 227.2 | -.11 |
| 00:10 | 28.3 | 983.00 | 74.0 | 4.0 | 226.7 | .11 | 4.4 | 224.5 | .08 |
| 00:15 | 28.3 | 983.00 | 74.0 | 3.8 | 219.0 | -.10 | 4.4 | 218.3 | -.10 |
| 00:20 | 28.2 | 983.00 | 75.0 | 4.6 | 228.5 | .02 | 5.3 | 228.8 | .00 |
| 00:25 | 28.2 | 983.00 | 75.0 | 4.3 | 223.1 | -.02 | 5.3 | 225.4 | .02 |
| 00:30 | 28.2 | 982.00 | 75.0 | 4.5 | 227.6 | -.12 | 5.4 | 228.3 | -.26 |
| 00:35 | 28.2 | 982.00 | 75.0 | 4.7 | 215.2 | .00 | 5.8 | 217.7 | -.02 |
| 00:40 | 28.0 | 982.00 | 75.0 | 3.9 | 221.7 | -.05 | 5.0 | 226.2 | -.13 |
| 00:45 | 28.0 | 982.00 | 75.0 | 4.2 | 226.2 | .06 | 5.2 | 224.7 | .11 |
| 00:50 | 27.8 | 983.00 | 76.0 | 4.2 | 212.8 | .18 | 5.0 | 215.3 | .20 |
| 00:55 | 27.8 | 983.00 | 76.0 | 4.3 | 214.2 | -.24 | 5.3 | 222.4 | -.25 |
| 01:00 | 27.8 | 983.00 | 76.0 | 5.0 | 212.3 | -.11 | 6.0 | 213.0 | .01 |
| 01:05 | 27.8 | 983.00 | 76.0 | 5.3 | 208.2 | -.16 | 6.2 | 212.0 | -.12 |
| 01:10 | 27.7 | 982.00 | 76.0 | 5.3 | 214.5 | .07 | 6.1 | 216.8 | .04 |
| 01:15 | 27.7 | 982.00 | 76.0 | 5.2 | 215.7 | .06 | 5.9 | 217.1 | .00 |
| 01:20 | 27.6 | 982.00 | 77.0 | 4.1 | 219.6 | -.10 | 5.1 | 221.6 | .00 |
| 01:25 | 27.6 | 982.00 | 77.0 | 3.7 | 225.1 | -.05 | 4.4 | 222.4 | -.08 |
| 01:30 | 27.5 | 983.00 | 77.0 | 3.6 | 233.8 | -.01 | 4.4 | 230.0 | -.09 |
| 01:35 | 27.5 | 983.00 | 77.0 | 3.4 | 240.1 | -.06 | 4.3 | 234.9 | -.12 |
| 01:40 | 27.3 | 983.00 | 79.0 | 3.1 | 233.6 | -.20 | 3.8 | 233.9 | -.18 |
| 01:45 | 27.3 | 983.00 | 79.0 | 3.7 | 223.0 | .01 | 4.3 | 222.8 | -.04 |
| 01:50 | 27.1 | 982.00 | 79.0 | 4.2 | 206.1 | -.03 | 4.7 | 210.1 | .05 |
| 01:55 | 27.1 | 982.00 | 79.0 | 3.7 | 197.0 | -.03 | 4.4 | 200.6 | -.05 |
| 02:00 | 27.1 | 982.00 | 79.0 | 3.1 | 203.5 | -.10 | 3.6 | 208.0 | -.12 |
| 02:05 | 27.1 | 982.00 | 79.0 | 3.1 | 212.1 | -.06 | 3.6 | 216.5 | -.12 |
| 02:10 | 27.1 | 982.00 | 80.0 | 3.1 | 222.1 | .07 | 3.9 | 225.0 | .16 |
| 02:15 | 27.1 | 982.00 | 80.0 | 2.9 | 222.7 | -.19 | 3.7 | 223.1 | -.22 |
| 02:20 | 27.0 | 983.00 | 80.0 | 2.5 | 235.9 | .03 | 3.1 | 237.5 | -.04 |
| 02:25 | 27.0 | 983.00 | 80.0 | 2.3 | 242.6 | -.01 | 3.4 | 240.9 | -.06 |
| 02:30 | 27.0 | 983.00 | 80.0 | 3.3 | 236.5 | .01 | 3.9 | 233.0 | -.02 |
| 02:35 | 27.0 | 983.00 | 80.0 | 3.1 | 232.8 | .04 | 3.8 | 233.9 | -.02 |
| 02:40 | 26.9 | 983.00 | 80.0 | 2.8 | 230.1 | .01 | 3.4 | 233.5 | -.06 |
| 02:45 | 26.9 | 983.00 | 80.0 | 2.9 | 222.9 | -.04 | 3.8 | 226.9 | -.08 |
| 02:50 | 26.8 | 983.00 | 80.0 | 3.4 | 206.5 | -.01 | 3.9 | 211.4 | -.02 |
| 02:55 | 26.8 | 983.00 | 80.0 | 2.9 | 208.0 | -.17 | 3.6 | 212.6 | -.20 |
| 03:00 | 26.7 | 983.00 | 81.0 | 2.8 | 206.8 | -.18 | 3.7 | 210.8 | -.18 |
| 03:05 | 26.7 | 983.00 | 81.0 | 2.8 | 208.5 | -.20 | 3.7 | 212.9 | -.14 |
| 03:10 | 26.7 | 983.00 | 80.0 | 3.2 | 208.6 | .00 | 4.0 | 210.0 | .04 |
| 03:15 | 26.7 | 983.00 | 80.0 | 3.6 | 206.7 | -.05 | 4.4 | 208.5 | -.10 |
| 03:20 | 26.7 | 982.00 | 80.0 | 3.6 | 202.3 | -.09 | 4.4 | 203.2 | -.01 |
| 03:25 | 26.7 | 982.00 | 80.0 | 2.7 | 197.5 | -.08 | 3.1 | 198.9 | -.08 |
| 03:30 | 26.8 | 982.00 | 80.0 | 2.4 | 205.0 | -.15 | 2.8 | 206.6 | -.19 |
| 03:35 | 26.8 | 982.00 | 80.0 | 2.3 | 195.1 | -.06 | 2.9 | 199.1 | -.08 |
| 03:40 | 26.7 | 983.00 | 81.0 | 2.2 | 200.2 | -.07 | 2.8 | 199.8 | -.09 |
| 03:45 | 26.7 | 983.00 | 81.0 | 1.9 | 216.8 | -.16 | 2.5 | 213.9 | -.26 |
| 03:50 | 26.7 | 983.00 | 81.0 | 2.0 | 200.7 | -.10 | 2.5 | 206.7 | -.10 |
| 03:55 | 26.7 | 983.00 | 81.0 | 1.2 | 214.9 | -.13 | 2.1 | 216.9 | -.18 |
| 04:00 | 26.6 | 983.00 | 82.0 | 1.5 | 220.4 | -.23 | 2.4 | 221.4 | -.24 |
| 04:05 | 26.6 | 983.00 | 82.0 | 2.1 | 205.8 | .03 | 2.6 | 209.1 | -.06 |
| 04:10 | 26.5 | 983.00 | 82.0 | 2.2 | 211.4 | -.07 | 2.7 | 212.4 | -.16 |

| | 03_TempC_002m | 04_BP_002m | 05_RH_002m | 06_WS040m | 07_WD040m | 08_VWS040m | 09_WS060m | 10_WD060m | 11_VWS060m |
|-------|---------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | DEGC | INHG | PERCENT | M/SEC | DEG | M/SEC | M/SEC | DEG | MPH |
| 04:15 | 26.5 | 983.00 | 82.0 | 2.5 | 208.3 | .01 | 3.1 | 207.5 | -.02 |
| 04:20 | 26.5 | 983.00 | 82.0 | 2.6 | 208.2 | -.08 | 3.1 | 210.2 | -.11 |
| 04:25 | 26.5 | 983.00 | 82.0 | 2.8 | 215.4 | -.02 | 3.4 | 216.5 | .00 |
| 04:30 | 26.5 | 983.00 | 82.0 | 3.4 | 227.6 | -.03 | 4.1 | 226.7 | -.11 |
| 04:35 | 26.5 | 983.00 | 82.0 | 3.6 | 213.3 | .01 | 4.3 | 221.0 | .01 |
| 04:40 | 26.6 | 982.00 | 81.0 | 4.8 | 204.5 | -.15 | 5.7 | 209.2 | -.17 |
| 04:45 | 26.6 | 982.00 | 81.0 | 8.0 | 296.5 | .80 | 9.8 | 292.3 | .70 |
| 04:50 | 26.0 | 984.00 | 75.0 | 7.2 | 324.3 | 1.81 | 8.4 | 319.0 | 1.76 |
| 04:55 | 26.0 | 984.00 | 75.0 | | | .72 | | | 1.09 |
| 05:00 | 23.1 | 985.00 | 85.0 | | | | | | |
| 05:05 | 23.1 | 985.00 | 85.0 | 5.1 | 15.8 | 2.75 | 5.8 | 16.8 | 2.79 |
| 05:10 | 22.1 | 986.00 | 92.0 | | | 3.73 | | | |
| 05:15 | 22.1 | 986.00 | 92.0 | 3.2 | 67.7 | 1.74 | 3.7 | 56.2 | 1.84 |
| 05:20 | 21.8 | 985.00 | 94.0 | 4.1 | 69.5 | 1.20 | 5.1 | 63.7 | 1.49 |
| 05:25 | 21.8 | 985.00 | 94.0 | 5.2 | 71.1 | 1.94 | 6.3 | 65.4 | 2.21 |
| 05:30 | 21.5 | 984.00 | 94.0 | | | .81 | | | 1.07 |
| 05:35 | 21.5 | 984.00 | 94.0 | | | .38 | | | .58 |
| 05:40 | 21.4 | 984.00 | 94.0 | 3.4 | 57.0 | 2.41 | 4.6 | 50.9 | 2.61 |
| 05:45 | 21.4 | 984.00 | 94.0 | | | | | | |
| 05:50 | 21.6 | 985.00 | 94.0 | 3.9 | 257.6 | 1.03 | | | 1.28 |
| 05:55 | 21.6 | 985.00 | 94.0 | 4.7 | 258.4 | 1.07 | 8.0 | 260.5 | 1.55 |
| 06:00 | 21.6 | 986.00 | 95.0 | 5.7 | 267.3 | 1.65 | 8.0 | 266.1 | 1.95 |
| 06:05 | 21.6 | 986.00 | 95.0 | 4.4 | 292.1 | 3.07 | 6.0 | 277.1 | 3.91 |
| 06:10 | 21.4 | 987.00 | 94.0 | 2.2 | 281.6 | 1.96 | | | 2.38 |
| 06:15 | 21.4 | 987.00 | 94.0 | 2.0 | 210.3 | 1.79 | | | 2.02 |
| 06:20 | 21.1 | 986.00 | 94.0 | 2.1 | 178.4 | 1.02 | 2.0 | 196.3 | 1.12 |
| 06:25 | 21.1 | 986.00 | 94.0 | 2.9 | 173.2 | .73 | 2.8 | 178.0 | .74 |
| 06:30 | 20.9 | 985.00 | 95.0 | 3.5 | 139.9 | .23 | 3.9 | 143.3 | .30 |
| 06:35 | 20.9 | 985.00 | 95.0 | 4.2 | 143.4 | .11 | 5.3 | 140.2 | .14 |
| 06:40 | 20.8 | 985.00 | 96.0 | 6.9 | 127.7 | .22 | 7.9 | 127.8 | .24 |
| 06:45 | 20.8 | 985.00 | 96.0 | 7.1 | 110.4 | .92 | 9.0 | 111.4 | 1.13 |
| 06:50 | 20.8 | 985.00 | 96.0 | 6.7 | 118.6 | 1.12 | 8.5 | 117.5 | 1.40 |
| 06:55 | 20.8 | 985.00 | 96.0 | 4.2 | 204.2 | 1.34 | 5.4 | 187.7 | 1.20 |
| 07:00 | 20.8 | 985.00 | 95.0 | 5.1 | 268.8 | 1.10 | 7.1 | 268.7 | 1.47 |
| 07:05 | 20.8 | 985.00 | 95.0 | 4.3 | 276.4 | 1.51 | 5.2 | 269.5 | 1.51 |
| 07:10 | 20.9 | 986.00 | 94.0 | 1.5 | 244.6 | 1.51 | 1.8 | 233.5 | 1.45 |
| 07:15 | 20.9 | 986.00 | 94.0 | 1.9 | 178.5 | 1.67 | 2.1 | 177.5 | 1.63 |
| 07:20 | 20.9 | 987.00 | 94.0 | 2.2 | 149.1 | 1.41 | 3.2 | 157.9 | 1.55 |
| 07:25 | 20.9 | 987.00 | 94.0 | 3.3 | 163.2 | 1.91 | 4.1 | 164.6 | 2.13 |
| 07:30 | 20.8 | 987.00 | 95.0 | 3.2 | 174.4 | 1.12 | 3.9 | 173.5 | 1.20 |
| 07:35 | 20.8 | 987.00 | 95.0 | 3.3 | 159.2 | .68 | 4.3 | 163.2 | .75 |
| 07:40 | 20.7 | 987.00 | 96.0 | 3.3 | 165.5 | .56 | 4.2 | 167.8 | .67 |
| 07:45 | 20.7 | 987.00 | 96.0 | 2.5 | 188.6 | .62 | 3.6 | 186.2 | .64 |
| 07:50 | 20.7 | 987.00 | 96.0 | 2.8 | 193.3 | .71 | 3.6 | 193.3 | .82 |
| 07:55 | 20.7 | 987.00 | 96.0 | 2.5 | 181.4 | 3.21 | 3.1 | 172.9 | 3.46 |
| 08:00 | 20.8 | 987.00 | 96.0 | 2.4 | 165.6 | 1.76 | 3.2 | 164.5 | 1.81 |
| 08:05 | 20.8 | 987.00 | 96.0 | 1.2 | 222.8 | .67 | 1.7 | 216.7 | .57 |
| 08:10 | 20.9 | 987.00 | 96.0 | .4 | 56.3 | .24 | .5 | 154.5 | .15 |
| 08:15 | 20.9 | 987.00 | 96.0 | 1.6 | 138.7 | .18 | 2.1 | 146.9 | .20 |
| 08:20 | 20.9 | 987.00 | 96.0 | 3.4 | 153.2 | .09 | 4.5 | 152.6 | .01 |
| 08:25 | 20.9 | 987.00 | 96.0 | 2.6 | 150.4 | -.08 | 3.8 | 150.8 | -.08 |
| 08:30 | 20.9 | 987.00 | 96.0 | 2.0 | 119.2 | .06 | 2.6 | 124.7 | .06 |
| 08:35 | 20.9 | 987.00 | 96.0 | 2.3 | 118.4 | -.10 | 3.5 | 128.7 | -.08 |
| 08:40 | 20.9 | 987.00 | 96.0 | 1.5 | 154.6 | .05 | 2.3 | 151.4 | -.06 |
| 08:45 | 20.9 | 987.00 | 96.0 | 1.7 | 222.8 | .11 | 1.6 | 212.8 | .01 |
| 08:50 | 21.1 | 987.00 | 96.0 | 1.7 | 244.3 | .12 | 2.1 | 238.7 | .05 |

| | 03_TempC_002m | 04_BP_002m | 05_RH_002m | 06_WS040m | 07_WD040m | 08_VWS040m | 09_WS060m | 10_WD060m | 11_VWS060m |
|-------|---------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | DEGC | INHG | PERCENT | M/SEC | DEG | M/SEC | M/SEC | DEG | MPH |
| 08:55 | 21.1 | 987.00 | 96.0 | 1.7 | 270.9 | -.13 | 2.3 | 262.8 | -.13 |
| 09:00 | 21.3 | 987.00 | 96.0 | 1.2 | 255.8 | -.08 | 1.8 | 246.1 | -.08 |
| 09:05 | 21.3 | 987.00 | 96.0 | 1.5 | 298.4 | .05 | 2.0 | 288.9 | .02 |
| 09:10 | 21.3 | 988.00 | 95.0 | 1.7 | 293.9 | .06 | 2.3 | 288.9 | .10 |
| 09:15 | 21.3 | 988.00 | 95.0 | 1.2 | 277.9 | -.02 | 1.9 | 271.1 | -.01 |
| 09:20 | 21.5 | 988.00 | 95.0 | 2.1 | 281.0 | .08 | 2.3 | 275.5 | .05 |
| 09:25 | 21.5 | 988.00 | 95.0 | 1.3 | 266.7 | .07 | 1.7 | 268.1 | .01 |
| 09:30 | 21.7 | 989.00 | 94.0 | 1.3 | 290.3 | .03 | 1.6 | 288.6 | -.04 |
| 09:35 | 21.7 | 989.00 | 94.0 | 1.0 | 325.3 | .05 | 1.7 | 300.4 | .02 |
| 09:40 | 21.9 | 988.00 | 93.0 | .7 | 327.1 | -.10 | .9 | 301.0 | -.13 |
| 09:45 | 21.9 | 988.00 | 93.0 | 1.0 | 279.2 | .03 | 1.4 | 285.7 | .08 |
| 09:50 | 22.0 | 987.00 | 92.0 | 1.0 | 286.6 | .08 | 1.0 | 278.7 | .05 |
| 09:55 | 22.0 | 987.00 | 92.0 | 1.2 | 319.2 | -.04 | 1.4 | 299.7 | -.04 |
| 10:00 | 22.1 | 987.00 | 92.0 | 1.2 | 312.8 | -.06 | 1.6 | 307.8 | -.07 |
| 10:05 | 22.1 | 987.00 | 92.0 | 2.0 | 278.1 | .17 | 2.2 | 280.2 | .18 |
| 10:10 | 22.3 | 987.00 | 91.0 | 1.7 | 298.3 | .02 | 2.1 | 294.7 | -.11 |
| 10:15 | 22.3 | 987.00 | 91.0 | 1.8 | 254.2 | -.16 | 2.1 | 255.4 | -.30 |
| 10:20 | 22.7 | 987.00 | 90.0 | 2.5 | 246.9 | .10 | 2.8 | 247.3 | .13 |
| 10:25 | 22.7 | 987.00 | 90.0 | 2.9 | 252.9 | -.04 | 3.6 | 257.9 | .05 |
| 10:30 | 23.1 | 988.00 | 88.0 | 3.0 | 262.4 | .17 | 3.4 | 263.8 | .22 |
| 10:35 | 23.1 | 988.00 | 88.0 | 2.6 | 269.6 | .23 | 3.0 | 269.6 | .28 |
| 10:40 | 23.4 | 988.00 | 87.0 | 2.5 | 269.3 | .01 | 2.9 | 268.5 | .12 |
| 10:45 | 23.4 | 988.00 | 87.0 | 2.7 | 276.7 | .24 | 2.9 | 276.0 | .25 |
| 10:50 | 23.6 | 988.00 | 84.0 | 2.0 | 268.2 | -.05 | 2.5 | 263.5 | -.14 |
| 10:55 | 23.6 | 988.00 | 84.0 | 2.4 | 260.1 | .01 | 2.7 | 259.4 | -.01 |
| 11:00 | 24.0 | 988.00 | 84.0 | 2.7 | 231.6 | .00 | 3.3 | 237.7 | .05 |
| 11:05 | 24.0 | 988.00 | 84.0 | 2.5 | 226.2 | -.18 | 3.0 | 231.8 | -.03 |
| 11:10 | 24.4 | 988.00 | 82.0 | 2.4 | 229.7 | -.02 | 2.5 | 235.1 | .02 |
| 11:15 | 24.4 | 988.00 | 82.0 | 2.1 | 233.4 | -.32 | 2.4 | 234.6 | -.48 |
| 11:20 | 24.9 | 988.00 | 82.0 | 2.1 | 224.5 | -.12 | 2.5 | 221.8 | -.21 |
| 11:25 | 24.9 | 988.00 | 82.0 | 2.7 | 227.7 | -.10 | 3.1 | 227.1 | -.11 |
| 11:30 | 24.6 | 985.00 | 83.0 | 2.9 | 225.6 | .03 | 3.3 | 228.0 | .08 |
| 11:35 | 24.6 | 985.00 | 83.0 | 2.2 | 224.9 | -.30 | 2.7 | 228.6 | -.31 |
| 11:40 | 25.0 | 986.00 | 83.0 | 3.1 | 245.1 | .00 | 3.5 | 244.8 | .02 |
| 11:45 | 25.0 | 986.00 | 83.0 | 3.0 | 241.4 | -.10 | 3.7 | 242.7 | -.08 |
| 11:50 | 25.1 | 986.00 | 82.0 | 3.5 | 236.7 | .08 | 3.9 | 236.5 | .16 |
| 11:55 | 25.1 | 986.00 | 82.0 | 3.8 | 235.2 | .04 | 4.2 | 235.4 | .12 |
| 12:00 | 24.8 | 986.00 | 83.0 | 2.8 | 238.6 | -.19 | 3.5 | 243.7 | -.25 |
| 12:05 | 24.8 | 986.00 | 83.0 | 3.5 | 243.8 | .13 | 3.9 | 242.5 | .15 |
| 12:10 | 24.9 | 986.00 | 83.0 | 2.3 | 237.0 | -.13 | 2.9 | 238.4 | -.16 |
| 12:15 | 24.9 | 986.00 | 83.0 | 2.5 | 236.0 | .12 | 2.9 | 236.2 | .05 |
| 12:20 | 25.5 | 986.00 | 80.0 | 2.7 | 211.7 | .17 | 2.9 | 210.7 | .17 |
| 12:25 | 25.5 | 986.00 | 80.0 | 2.5 | 247.7 | -.46 | 3.2 | 242.3 | -.34 |
| 12:30 | 26.0 | 986.00 | 79.0 | 3.7 | 240.8 | .10 | 4.2 | 240.1 | .12 |
| 12:35 | 26.0 | 986.00 | 79.0 | 3.1 | 228.2 | -.02 | 3.8 | 231.1 | .00 |
| 12:40 | 26.7 | 986.00 | 75.0 | 4.7 | 231.7 | -.02 | 5.5 | 233.3 | .08 |
| 12:45 | 26.7 | 986.00 | 75.0 | 3.4 | 225.0 | -.12 | 3.9 | 224.2 | -.10 |
| 12:50 | 26.6 | 986.00 | 75.0 | 4.1 | 238.5 | -.05 | 4.5 | 241.2 | -.12 |
| 12:55 | 26.6 | 986.00 | 75.0 | 5.5 | 239.2 | .17 | 6.2 | 237.6 | .23 |
| 13:00 | 26.6 | 986.00 | 74.0 | 6.1 | 234.2 | .12 | 7.2 | 230.8 | .15 |
| 13:05 | 26.6 | 986.00 | 74.0 | 4.8 | 225.2 | .00 | 5.5 | 227.4 | .03 |
| 13:10 | 26.3 | 986.00 | 75.0 | 4.9 | 223.5 | .23 | 5.5 | 226.1 | .31 |
| 13:15 | 26.3 | 986.00 | 75.0 | 4.1 | 212.1 | -.11 | 4.5 | 215.8 | -.19 |
| 13:20 | 27.0 | 986.00 | 73.0 | 3.1 | 218.5 | -.30 | 4.0 | 222.8 | -.21 |
| 13:25 | 27.0 | 986.00 | 73.0 | 4.1 | 229.8 | .14 | 4.8 | 234.5 | .19 |
| 13:30 | 27.8 | 986.00 | 73.0 | 3.5 | 234.5 | -.24 | 4.0 | 229.7 | -.20 |

| | 03_TempC_002m | 04_BP_002m | 05_RH_002m | 06_WS040m | 07_WD040m | 08_VWS040m | 09_WS060m | 10_WD060m | 11_VWS060m |
|-------|---------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | DEGC | INHG | PERCENT | M/SEC | DEG | M/SEC | M/SEC | DEG | MPH |
| 13:35 | 27.8 | 986.00 | 73.0 | 2.9 | 235.1 | .26 | 3.2 | 231.6 | .21 |
| 13:40 | 28.3 | 986.00 | 70.0 | 2.2 | 255.9 | -.20 | 2.9 | 259.1 | -.21 |
| 13:45 | 28.3 | 986.00 | 70.0 | 3.6 | 254.4 | .06 | 4.3 | 256.0 | .01 |
| 13:50 | 27.8 | 986.00 | 70.0 | 3.3 | 240.9 | .08 | 3.9 | 241.9 | .14 |
| 13:55 | 27.8 | 986.00 | 70.0 | 3.1 | 254.5 | .11 | 3.6 | 248.3 | .00 |
| 14:00 | 27.6 | 986.00 | 72.0 | 3.3 | 250.8 | -.18 | 4.2 | 252.3 | -.19 |
| 14:05 | 27.6 | 986.00 | 72.0 | 2.7 | 247.7 | -.05 | 3.3 | 246.4 | -.19 |
| 14:10 | 27.9 | 986.00 | 72.0 | 4.3 | 213.5 | -.12 | 4.9 | 216.9 | -.05 |
| 14:15 | 27.9 | 986.00 | 72.0 | 3.2 | 267.7 | .06 | 3.8 | 269.0 | .12 |
| 14:20 | 27.6 | 986.00 | 73.0 | 2.6 | 261.4 | -.12 | 3.5 | 262.1 | -.09 |
| 14:25 | 27.6 | 986.00 | 73.0 | 2.8 | 254.5 | -.07 | 3.4 | 254.8 | -.14 |
| 14:30 | 27.2 | 986.00 | 75.0 | 3.6 | 247.0 | -.05 | 4.6 | 248.5 | -.18 |
| 14:35 | 27.2 | 986.00 | 75.0 | 4.9 | 242.2 | .03 | 5.9 | 242.8 | -.05 |
| 14:40 | 27.2 | 986.00 | 76.0 | 4.5 | 231.2 | -.09 | 5.4 | 230.3 | -.05 |
| 14:45 | 27.2 | 986.00 | 76.0 | 5.1 | 230.6 | .06 | 6.0 | 232.7 | .24 |
| 14:50 | 28.1 | 986.00 | 74.0 | 4.2 | 218.7 | .00 | 4.6 | 220.0 | .07 |
| 14:55 | 28.1 | 986.00 | 74.0 | 4.0 | 217.8 | -.11 | 4.4 | 222.1 | -.24 |
| 15:00 | 29.0 | 986.00 | 72.0 | 4.5 | 241.1 | -.14 | 5.8 | 243.5 | -.16 |
| 15:05 | 29.0 | 986.00 | 72.0 | 4.2 | 243.7 | .14 | 4.9 | 242.5 | .16 |
| 15:10 | 30.1 | 986.00 | 68.0 | 3.4 | 232.3 | -.06 | 4.2 | 231.1 | -.03 |
| 15:15 | 30.1 | 986.00 | 68.0 | 4.1 | 240.4 | -.20 | 5.5 | 244.6 | -.21 |
| 15:20 | 29.6 | 986.00 | 70.0 | 4.2 | 236.0 | .11 | 4.8 | 235.5 | .06 |
| 15:25 | 29.6 | 986.00 | 70.0 | 3.3 | 241.4 | .22 | 3.9 | 242.2 | .12 |
| 15:30 | 29.5 | 986.00 | 70.0 | 3.3 | 253.6 | -.19 | 4.4 | 256.0 | -.18 |
| 15:35 | 29.5 | 986.00 | 70.0 | 3.2 | 236.0 | .16 | 3.7 | 237.7 | .14 |
| 15:40 | 29.7 | 986.00 | 70.0 | 2.7 | 219.7 | -.37 | 3.4 | 226.0 | -.46 |
| 15:45 | 29.7 | 986.00 | 70.0 | 3.1 | 217.9 | -.07 | 3.4 | 219.1 | .01 |
| 15:50 | 29.1 | 986.00 | 71.0 | 2.1 | 219.2 | .06 | 2.4 | 222.6 | .19 |
| 15:55 | 29.1 | 986.00 | 71.0 | 3.6 | 210.2 | .17 | 4.0 | 212.7 | .17 |
| 16:00 | 29.3 | 985.00 | 72.0 | 3.6 | 197.0 | .29 | 3.7 | 193.7 | .36 |
| 16:05 | 29.3 | 985.00 | 72.0 | 4.1 | 184.8 | -.18 | 4.3 | 190.4 | -.16 |
| 16:10 | 29.4 | 985.00 | 72.0 | 3.7 | 202.6 | .24 | 3.7 | 203.3 | .39 |
| 16:15 | 29.4 | 985.00 | 72.0 | 2.9 | 204.8 | -.26 | 3.5 | 214.7 | -.40 |
| 16:20 | 29.9 | 985.00 | 70.0 | 3.4 | 220.5 | -.03 | 3.9 | 224.1 | -.16 |
| 16:25 | 29.9 | 985.00 | 70.0 | 4.3 | 236.0 | .05 | 5.1 | 234.2 | .06 |
| 16:30 | | | | | | | | | |
| 16:35 | 29.9 | 985.00 | 70.0 | 2.9 | 199.9 | -.17 | 3.3 | 196.6 | -.19 |
| 16:40 | 30.7 | 985.00 | 68.0 | 3.8 | 195.5 | -.07 | 4.2 | 195.8 | -.10 |
| 16:45 | 30.7 | 985.00 | 68.0 | 3.0 | 197.1 | -.21 | 3.3 | 198.4 | -.40 |
| 16:50 | 30.1 | 985.00 | 70.0 | 3.8 | 220.8 | .06 | 4.1 | 221.6 | .06 |
| 16:55 | 30.1 | 985.00 | 70.0 | 3.0 | 215.4 | -.11 | 3.6 | 215.5 | -.03 |
| 17:00 | 30.3 | 985.00 | 70.0 | 2.1 | 197.7 | -.27 | 2.9 | 190.1 | -.34 |
| 17:05 | 30.3 | 985.00 | 70.0 | 2.5 | 191.3 | .09 | 3.0 | 190.4 | .13 |
| 17:10 | 29.9 | 985.00 | 70.0 | 2.6 | 161.4 | .07 | 2.9 | 165.5 | .16 |
| 17:15 | 29.9 | 985.00 | 70.0 | 3.2 | 178.9 | -.06 | 3.4 | 181.5 | -.05 |
| 17:20 | 28.7 | 985.00 | 75.0 | 3.7 | 191.4 | -.04 | 4.0 | 192.7 | -.03 |
| 17:25 | 28.7 | 985.00 | 75.0 | 2.4 | 212.8 | -.11 | 2.9 | 216.2 | -.19 |
| 17:30 | 28.7 | 985.00 | 77.0 | 2.3 | 226.8 | -.11 | 3.1 | 226.3 | -.12 |
| 17:35 | 28.7 | 985.00 | 77.0 | 2.1 | 201.5 | -.12 | 2.5 | 202.2 | -.08 |
| 17:40 | 28.7 | 985.00 | 78.0 | 1.2 | 202.3 | .07 | 1.4 | 215.8 | .06 |
| 17:45 | 28.7 | 985.00 | 78.0 | .7 | 175.9 | -.02 | 1.1 | 198.2 | -.09 |
| 17:50 | 28.5 | 985.00 | 80.0 | 1.1 | 207.8 | .16 | 1.7 | 217.0 | .18 |
| 17:55 | 28.5 | 985.00 | 80.0 | 1.8 | 224.0 | .12 | 2.4 | 231.6 | .12 |
| 18:00 | 28.4 | 985.00 | 82.0 | 2.3 | 248.7 | .04 | 3.3 | 251.0 | -.02 |
| 18:05 | 28.4 | 985.00 | 82.0 | 2.0 | 248.2 | -.14 | 3.0 | 246.6 | -.13 |
| 18:10 | 28.2 | 986.00 | 82.0 | 2.0 | 245.0 | -.03 | 2.5 | 245.7 | -.02 |

| | 03_TempC_002m | 04_BP_002m | 05_RH_002m | 06_WS040m | 07_WD040m | 08_VWS040m | 09_WS060m | 10_WD060m | 11_VWS060m |
|-------|---------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | DEGC | INHG | PERCENT | M/SEC | DEG | M/SEC | M/SEC | DEG | MPH |
| 18:15 | 28.2 | 986.00 | 82.0 | 2.2 | 215.1 | -.04 | 2.7 | 219.2 | -.03 |
| 18:20 | 28.2 | 985.00 | 82.0 | 2.0 | 223.8 | .56 | 2.5 | 227.8 | .65 |
| 18:25 | 28.2 | 985.00 | 82.0 | 1.8 | 222.8 | .41 | 2.1 | 226.2 | .35 |
| 18:30 | 28.9 | 985.00 | 79.0 | 2.7 | 266.5 | .00 | 3.4 | 270.9 | -.05 |
| 18:35 | 28.9 | 985.00 | 79.0 | 2.2 | 266.3 | .14 | 2.6 | 268.8 | .08 |
| 18:40 | 28.6 | 985.00 | 80.0 | 2.8 | 251.8 | .26 | 3.0 | 255.0 | .23 |
| 18:45 | 28.6 | 985.00 | 80.0 | 2.2 | 272.0 | -.07 | 2.6 | 268.5 | -.08 |
| 18:50 | 28.3 | 985.00 | 81.0 | 1.5 | 259.0 | -.17 | 2.2 | 255.2 | -.13 |
| 18:55 | 28.3 | 985.00 | 81.0 | .9 | 241.4 | -.24 | 1.2 | 242.7 | -.23 |
| 19:00 | 28.3 | 985.00 | 82.0 | .8 | 249.3 | -.19 | 1.1 | 236.4 | -.13 |
| 19:05 | 28.3 | 985.00 | 82.0 | .8 | 330.1 | -.33 | .8 | 310.5 | -.37 |
| 19:10 | 28.1 | 985.00 | 82.0 | 1.0 | 321.7 | -.19 | 1.1 | 308.4 | -.15 |
| 19:15 | 28.1 | 985.00 | 82.0 | 1.3 | 327.1 | .01 | 1.4 | 322.6 | .00 |
| 19:20 | 27.9 | 985.00 | 82.0 | .9 | 335.1 | -.04 | 1.0 | 332.3 | -.02 |
| 19:25 | 27.9 | 985.00 | 82.0 | .8 | 261.7 | .12 | .9 | 268.0 | .07 |
| 19:30 | 27.9 | 985.00 | 81.0 | .6 | 180.8 | -.03 | .7 | 206.2 | -.07 |
| 19:35 | 27.9 | 985.00 | 81.0 | .4 | 164.0 | -.12 | .6 | 214.7 | -.20 |
| 19:40 | 28.1 | 985.00 | 82.0 | .7 | 356.5 | .01 | .4 | 327.0 | -.03 |
| 19:45 | 28.1 | 985.00 | 82.0 | 1.1 | 333.8 | -.01 | 1.0 | 326.1 | -.07 |
| 19:50 | 27.9 | 985.00 | 82.0 | .7 | 341.2 | -.07 | .4 | 330.5 | -.04 |
| 19:55 | 27.9 | 985.00 | 82.0 | 1.3 | 347.5 | -.16 | 1.2 | 355.2 | -.19 |
| 20:00 | 27.7 | 985.00 | 83.0 | 1.4 | 352.1 | -.15 | 1.4 | 355.8 | -.17 |
| 20:05 | 27.7 | 985.00 | 83.0 | 1.5 | 349.8 | -.12 | 1.5 | 356.3 | -.12 |
| 20:10 | 27.3 | 985.00 | 84.0 | 1.7 | 329.5 | -.10 | 1.5 | 340.8 | -.09 |
| 20:15 | 27.3 | 985.00 | 84.0 | 1.6 | 336.8 | -.17 | 1.4 | 347.2 | -.16 |
| 20:20 | 27.0 | 985.00 | 85.0 | 1.4 | 331.1 | -.23 | 1.3 | 332.3 | -.23 |
| 20:25 | 27.0 | 985.00 | 85.0 | .5 | 313.3 | -.19 | .4 | 332.2 | -.21 |
| 20:30 | 26.8 | 985.00 | 86.0 | .4 | 137.6 | .07 | .2 | 62.8 | .12 |
| 20:35 | 26.8 | 985.00 | 86.0 | .5 | 38.1 | .05 | .7 | 20.2 | .10 |
| 20:40 | 26.6 | 985.00 | 88.0 | 1.1 | 16.6 | .00 | 1.3 | 19.1 | -.02 |
| 20:45 | 26.6 | 985.00 | 88.0 | .7 | 21.0 | .01 | .9 | 23.6 | .00 |
| 20:50 | 26.3 | 985.00 | 88.0 | .6 | 3.0 | -.12 | 1.0 | 12.3 | -.10 |
| 20:55 | 26.3 | 985.00 | 88.0 | .3 | 33.3 | -.01 | .7 | 23.0 | -.01 |
| 21:00 | 26.1 | 985.00 | 89.0 | .2 | 345.5 | -.06 | .5 | 5.5 | -.07 |
| 21:05 | 26.1 | 985.00 | 89.0 | .2 | 304.4 | -.05 | .4 | 346.9 | -.07 |
| 21:10 | 25.9 | 986.00 | 90.0 | .6 | 235.9 | -.05 | .3 | 273.3 | -.07 |
| 21:15 | 25.9 | 986.00 | 90.0 | 1.0 | 226.5 | .00 | .6 | 227.3 | -.02 |
| 21:20 | 25.5 | 986.00 | 91.0 | 1.0 | 245.4 | .03 | .8 | 224.1 | .00 |
| 21:25 | 25.5 | 986.00 | 91.0 | 1.1 | 249.9 | .01 | .9 | 237.2 | -.01 |
| 21:30 | 25.4 | 986.00 | 93.0 | 1.4 | 255.5 | .10 | 1.1 | 253.3 | .04 |
| 21:35 | 25.4 | 986.00 | 93.0 | 1.2 | 254.7 | .02 | 1.2 | 258.0 | -.01 |
| 21:40 | 25.2 | 986.00 | 93.0 | 1.0 | 246.9 | .02 | 1.2 | 256.0 | -.01 |
| 21:45 | 25.2 | 986.00 | 93.0 | 1.2 | 247.8 | .02 | 1.3 | 248.8 | .01 |
| 21:50 | 25.0 | 986.00 | 93.0 | 1.0 | 237.2 | .05 | 1.2 | 234.2 | .07 |
| 21:55 | 25.0 | 986.00 | 93.0 | .9 | 214.8 | .12 | 1.2 | 224.9 | .13 |
| 22:00 | 24.9 | 986.00 | 94.0 | .8 | 208.6 | .05 | 1.0 | 228.0 | .07 |
| 22:05 | 24.9 | 986.00 | 94.0 | .4 | 206.3 | -.02 | .7 | 227.4 | -.04 |
| 22:10 | 24.7 | 986.00 | 95.0 | .4 | 242.7 | .00 | 1.0 | 239.3 | .00 |
| 22:15 | 24.7 | 986.00 | 95.0 | .3 | 293.6 | .00 | .8 | 247.5 | .00 |
| 22:20 | 24.5 | 986.00 | 95.0 | .6 | 346.3 | .03 | .6 | 270.9 | .02 |
| 22:25 | 24.5 | 986.00 | 95.0 | 1.1 | 16.8 | .13 | .8 | 350.9 | .10 |
| 22:30 | 24.4 | 987.00 | 95.0 | 1.5 | 20.0 | .11 | 1.5 | 13.9 | .13 |
| 22:35 | 24.4 | 987.00 | 95.0 | 2.0 | 18.9 | .04 | 2.2 | 19.4 | .06 |
| 22:40 | 24.3 | 987.00 | 96.0 | 1.9 | 26.4 | -.01 | 2.3 | 26.1 | -.06 |
| 22:45 | 24.3 | 987.00 | 96.0 | 1.7 | 21.0 | .01 | 2.0 | 26.7 | .03 |
| 22:50 | 24.3 | 987.00 | 96.0 | 1.8 | 24.2 | -.02 | 2.3 | 27.2 | -.01 |

Daily Summary Report

Site: Lidar "Q" (PAM35)

7/21/2022

Interval: 005m

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_VWS100m | 18_WS120m | 19_WD120m | 20_VWS120m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEGC | MPH |
| 00:00 | 6.0 | 234.8 | -.32 | 6.7 | 233.4 | -.32 | 7.5 | 229.9 | -.24 |
| 00:05 | 5.1 | 227.1 | -.12 | 5.7 | 227.2 | -.16 | 6.2 | 229.3 | -.19 |
| 00:10 | 4.9 | 222.7 | .03 | 5.1 | 224.0 | -.05 | 5.6 | 221.8 | -.07 |
| 00:15 | 5.0 | 219.8 | -.11 | 5.6 | 220.8 | -.05 | 6.2 | 220.9 | .00 |
| 00:20 | 5.7 | 227.9 | .11 | 6.2 | 229.4 | .21 | 6.8 | 228.5 | .15 |
| 00:25 | 5.9 | 226.5 | .03 | 6.4 | 225.9 | -.01 | 6.9 | 225.8 | -.01 |
| 00:30 | 6.3 | 227.5 | -.28 | 6.9 | 226.9 | -.19 | 7.3 | 228.5 | -.10 |
| 00:35 | 6.4 | 219.9 | .05 | 7.0 | 221.7 | .11 | 7.4 | 221.3 | .18 |
| 00:40 | 5.9 | 229.0 | -.08 | 6.5 | 229.5 | -.02 | 7.0 | 227.7 | -.09 |
| 00:45 | 5.9 | 223.8 | .07 | 6.6 | 225.1 | .01 | 6.9 | 223.8 | .03 |
| 00:50 | 5.7 | 216.9 | .11 | 6.3 | 218.1 | -.01 | 6.8 | 217.5 | .07 |
| 00:55 | 6.0 | 226.2 | -.23 | 6.5 | 226.3 | -.08 | 7.0 | 224.4 | .04 |
| 01:00 | 6.7 | 212.7 | .11 | 7.3 | 213.9 | .08 | 8.0 | 214.9 | .02 |
| 01:05 | 7.1 | 214.9 | -.05 | 7.7 | 216.4 | -.05 | 8.4 | 217.4 | -.04 |
| 01:10 | 6.5 | 216.9 | .05 | 7.2 | 216.6 | -.05 | 8.1 | 216.2 | -.07 |
| 01:15 | 6.8 | 217.9 | -.08 | 7.4 | 218.8 | -.09 | 7.8 | 219.5 | -.17 |
| 01:20 | 5.7 | 223.4 | .14 | 6.2 | 220.4 | .25 | 6.5 | 218.5 | .21 |
| 01:25 | 4.7 | 223.1 | -.11 | 5.0 | 223.4 | -.15 | 5.4 | 225.0 | -.09 |
| 01:30 | 4.9 | 227.3 | -.05 | 5.6 | 227.3 | .00 | 6.4 | 226.9 | .00 |
| 01:35 | 4.7 | 230.9 | -.19 | 5.2 | 229.8 | -.15 | 5.8 | 228.2 | -.12 |
| 01:40 | 4.4 | 231.0 | -.17 | 5.0 | 228.7 | -.11 | 5.6 | 227.2 | -.12 |
| 01:45 | 4.7 | 220.3 | -.19 | 5.2 | 218.5 | -.21 | 6.0 | 219.9 | -.19 |
| 01:50 | 5.2 | 211.0 | .05 | 5.8 | 213.4 | .02 | 6.4 | 215.0 | .01 |
| 01:55 | 4.7 | 205.6 | -.04 | 5.2 | 207.2 | -.04 | 5.8 | 207.9 | .01 |
| 02:00 | 4.6 | 211.9 | -.03 | 5.3 | 214.3 | .00 | 5.7 | 213.6 | -.04 |
| 02:05 | 4.1 | 218.0 | -.10 | 4.8 | 216.6 | -.07 | 5.3 | 218.7 | -.09 |
| 02:10 | 4.6 | 227.1 | .09 | 5.1 | 228.4 | .02 | 5.8 | 228.0 | -.07 |
| 02:15 | 4.3 | 222.4 | -.24 | 4.8 | 222.3 | -.17 | 5.3 | 221.6 | -.20 |
| 02:20 | 3.8 | 232.7 | -.04 | 4.3 | 227.1 | .01 | 4.7 | 225.1 | -.03 |
| 02:25 | 4.1 | 237.8 | -.09 | 4.7 | 236.1 | -.05 | 5.3 | 235.5 | -.04 |
| 02:30 | 4.6 | 232.4 | -.08 | 5.1 | 231.6 | .00 | 5.5 | 231.9 | .03 |
| 02:35 | 4.2 | 234.1 | -.04 | 4.6 | 232.4 | .10 | 5.0 | 230.7 | .14 |
| 02:40 | 4.0 | 234.5 | -.07 | 4.7 | 233.3 | .00 | 5.3 | 231.4 | .07 |
| 02:45 | 4.3 | 224.6 | -.07 | 4.6 | 224.9 | .00 | 5.1 | 225.8 | .09 |
| 02:50 | 4.4 | 215.3 | .02 | 5.1 | 217.2 | -.08 | 5.7 | 218.9 | -.11 |
| 02:55 | 4.3 | 216.5 | -.25 | 4.9 | 218.4 | -.27 | 5.4 | 219.9 | -.20 |
| 03:00 | 4.2 | 211.8 | -.11 | 4.9 | 213.5 | -.08 | 5.6 | 216.6 | -.12 |
| 03:05 | 4.2 | 213.7 | -.04 | 4.8 | 215.7 | -.04 | 5.4 | 217.7 | -.07 |
| 03:10 | 4.8 | 209.3 | .03 | 5.4 | 212.4 | .03 | 6.0 | 214.6 | -.06 |
| 03:15 | 5.0 | 211.4 | -.16 | 5.7 | 213.2 | -.18 | 6.3 | 213.8 | -.14 |
| 03:20 | 5.0 | 204.5 | -.03 | 5.6 | 204.5 | -.13 | 6.2 | 206.7 | -.18 |
| 03:25 | 3.6 | 201.2 | -.10 | 4.3 | 201.6 | -.15 | 5.0 | 204.5 | -.08 |
| 03:30 | 3.4 | 204.5 | -.18 | 4.1 | 203.4 | -.22 | 4.8 | 203.5 | -.28 |
| 03:35 | 3.5 | 203.6 | -.05 | 3.8 | 205.9 | .04 | 4.3 | 206.0 | -.01 |
| 03:40 | 3.2 | 202.0 | -.09 | 3.6 | 202.8 | -.16 | 4.2 | 203.0 | -.19 |
| 03:45 | 3.0 | 212.3 | -.28 | 3.5 | 211.6 | -.18 | 4.2 | 210.6 | -.19 |
| 03:50 | 3.1 | 206.9 | -.07 | 3.6 | 208.5 | -.01 | 4.2 | 211.5 | -.05 |
| 03:55 | 2.7 | 220.6 | -.11 | 3.2 | 220.6 | -.07 | 3.5 | 220.4 | -.02 |
| 04:00 | 3.0 | 218.7 | -.21 | 3.4 | 218.6 | -.11 | 3.8 | 216.2 | .05 |
| 04:05 | 3.2 | 208.7 | -.14 | 3.6 | 208.0 | -.19 | 4.1 | 211.0 | -.10 |
| 04:10 | 3.2 | 212.0 | -.21 | 3.8 | 209.9 | -.16 | 4.4 | 207.3 | -.14 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_VWS100m | 18_WS120m | 19_WD120m | 20_VWS120m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEGC | MPH |
| 04:15 | 3.4 | 206.5 | -.06 | 3.8 | 206.6 | -.11 | 4.1 | 209.6 | -.15 |
| 04:20 | 3.5 | 215.2 | -.14 | 3.9 | 215.5 | -.12 | 4.4 | 214.4 | -.06 |
| 04:25 | 4.0 | 216.0 | -.06 | 4.6 | 215.8 | -.09 | 5.1 | 216.8 | -.04 |
| 04:30 | 4.6 | 224.5 | -.18 | 5.1 | 223.8 | -.10 | 5.7 | 224.5 | .04 |
| 04:35 | 4.9 | 224.2 | .01 | 5.5 | 224.8 | .06 | 6.1 | 224.9 | .08 |
| 04:40 | 6.3 | 212.7 | -.12 | 6.9 | 215.7 | -.07 | 7.4 | 216.8 | -.03 |
| 04:45 | 10.7 | 293.3 | .32 | 11.4 | 292.4 | -.02 | 11.8 | 292.8 | -.05 |
| 04:50 | 10.3 | 313.8 | 1.82 | 12.3 | 312.2 | 2.10 | 13.8 | 312.3 | 1.75 |
| 04:55 | | | 3.09 | | | | | | |
| 05:00 | | | | | | | | | |
| 05:05 | 6.2 | 15.7 | 3.06 | 6.1 | 15.3 | 2.94 | 6.2 | 10.7 | 3.17 |
| 05:10 | | | | | | | | | |
| 05:15 | | | 2.32 | | | 2.47 | | | 2.84 |
| 05:20 | 5.7 | 55.8 | 1.91 | 6.0 | 51.7 | 2.04 | 6.1 | 45.4 | 2.41 |
| 05:25 | 6.5 | 59.8 | 2.47 | 6.7 | 55.8 | 2.46 | 6.7 | 51.8 | 2.59 |
| 05:30 | | | 1.57 | | | 1.90 | | | 2.24 |
| 05:35 | | | .74 | | | 2.07 | | | |
| 05:40 | 4.5 | 57.1 | 3.17 | 4.7 | 54.9 | 4.60 | | | |
| 05:45 | | | | | | | | | |
| 05:50 | | | 1.54 | | | 1.68 | | | 1.79 |
| 05:55 | 8.8 | 260.0 | 1.91 | 9.2 | 260.5 | 2.19 | 9.2 | 261.5 | 2.49 |
| 06:00 | 8.8 | 265.8 | 2.16 | 9.5 | 266.1 | 2.30 | 9.7 | 266.5 | 2.49 |
| 06:05 | 6.4 | 281.0 | 4.58 | 7.0 | 280.0 | 4.41 | 7.2 | 276.9 | 4.47 |
| 06:10 | | | 2.34 | | | 2.76 | | | 2.67 |
| 06:15 | | | 2.38 | | | 2.49 | | | 2.23 |
| 06:20 | 2.2 | 205.6 | 1.28 | 2.3 | 219.3 | 1.38 | 2.7 | 232.5 | 1.61 |
| 06:25 | 3.0 | 188.4 | .76 | 3.1 | 195.0 | .86 | 3.1 | 206.1 | .94 |
| 06:30 | 3.7 | 148.1 | .39 | 3.3 | 156.4 | .54 | 2.9 | 160.5 | .63 |
| 06:35 | 5.8 | 140.5 | .18 | 5.8 | 142.4 | .27 | 5.6 | 143.7 | .33 |
| 06:40 | 8.2 | 127.3 | .38 | 8.0 | 125.6 | .62 | 7.3 | 124.6 | 1.49 |
| 06:45 | 9.9 | 111.6 | 1.70 | 9.3 | 107.0 | 3.33 | 9.0 | 101.6 | 4.13 |
| 06:50 | 9.9 | 117.1 | 1.58 | 10.8 | 116.3 | 2.10 | 10.9 | 112.7 | 2.98 |
| 06:55 | 5.9 | 166.6 | 1.06 | 6.4 | 156.6 | .97 | 6.9 | 155.8 | .99 |
| 07:00 | 8.2 | 268.4 | 1.64 | 9.0 | 271.2 | 1.72 | 9.7 | 269.1 | 1.62 |
| 07:05 | 5.6 | 270.1 | 1.51 | 5.6 | 272.3 | 1.48 | 5.5 | 273.9 | 1.51 |
| 07:10 | 2.0 | 226.4 | 1.32 | 2.5 | 220.0 | 1.23 | 2.9 | 215.9 | 1.32 |
| 07:15 | 2.4 | 184.4 | 1.73 | 2.8 | 190.0 | 1.70 | 3.2 | 192.4 | 2.07 |
| 07:20 | 3.7 | 168.3 | 1.84 | 3.9 | 170.2 | 1.95 | 3.7 | 171.9 | 2.17 |
| 07:25 | 4.4 | 172.0 | 2.23 | 4.8 | 179.1 | 2.47 | 4.7 | 178.5 | 2.70 |
| 07:30 | 4.5 | 175.8 | 1.27 | 5.1 | 178.4 | 1.48 | 5.3 | 181.0 | 1.40 |
| 07:35 | 5.0 | 165.4 | .90 | 6.0 | 167.0 | 1.16 | 6.6 | 167.9 | 1.53 |
| 07:40 | 5.2 | 169.0 | .70 | 6.0 | 170.2 | .96 | 6.2 | 169.7 | 1.10 |
| 07:45 | 4.7 | 183.9 | .73 | 5.5 | 180.9 | .77 | 6.4 | 180.0 | .74 |
| 07:50 | 4.6 | 188.8 | .85 | 5.8 | 185.3 | .96 | 6.5 | 182.2 | .98 |
| 07:55 | 4.0 | 173.3 | 3.47 | 4.5 | 169.2 | 3.34 | 4.9 | 174.1 | 3.52 |
| 08:00 | 3.9 | 168.5 | 1.69 | 4.3 | 166.2 | 1.62 | 4.9 | 166.5 | 1.61 |
| 08:05 | 2.1 | 209.5 | .54 | 2.5 | 200.6 | .52 | 2.9 | 194.9 | .49 |
| 08:10 | .8 | 184.3 | .17 | 1.5 | 177.8 | .10 | 2.1 | 172.6 | -.03 |
| 08:15 | 2.5 | 152.2 | .18 | 3.1 | 155.7 | .23 | 3.7 | 158.1 | .24 |
| 08:20 | 5.0 | 152.8 | .11 | 5.5 | 153.8 | .15 | 6.1 | 155.9 | .16 |
| 08:25 | 4.6 | 151.4 | -.01 | 5.1 | 151.0 | -.05 | 5.7 | 151.5 | -.01 |
| 08:30 | 3.5 | 128.5 | -.04 | 4.2 | 132.2 | .02 | 4.7 | 137.1 | -.04 |
| 08:35 | 4.2 | 129.9 | -.05 | 4.9 | 133.4 | -.06 | 5.3 | 138.2 | -.10 |
| 08:40 | 2.8 | 152.7 | -.10 | 3.4 | 150.7 | -.12 | 3.7 | 150.5 | -.22 |
| 08:45 | 1.4 | 200.5 | -.06 | 1.6 | 183.7 | -.08 | 2.0 | 172.0 | -.08 |
| 08:50 | 2.4 | 232.6 | .12 | 2.7 | 226.8 | .12 | 3.0 | 223.8 | .14 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_VWS100m | 18_WS120m | 19_WD120m | 20_VWS120m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEGC | MPH |
| 08:55 | 2.6 | 253.9 | -.07 | 2.9 | 245.0 | -.03 | 3.1 | 237.5 | -.06 |
| 09:00 | 2.2 | 244.8 | -.06 | 2.3 | 243.6 | -.06 | 2.3 | 239.9 | -.10 |
| 09:05 | 2.4 | 279.8 | .05 | 2.5 | 272.1 | .03 | 2.5 | 265.6 | .10 |
| 09:10 | 2.6 | 282.6 | .14 | 2.8 | 274.7 | .17 | 2.8 | 268.4 | .17 |
| 09:15 | 2.3 | 264.0 | .05 | 2.6 | 255.3 | .07 | 2.8 | 250.1 | .09 |
| 09:20 | 2.3 | 274.3 | .04 | 2.6 | 270.7 | .00 | 3.0 | 268.0 | .01 |
| 09:25 | 1.9 | 263.7 | .03 | 2.3 | 261.3 | -.03 | 2.7 | 257.3 | .00 |
| 09:30 | 1.9 | 282.8 | -.15 | 2.2 | 276.2 | -.18 | 2.4 | 269.2 | -.15 |
| 09:35 | 2.0 | 298.4 | .04 | 2.1 | 290.9 | .02 | 2.3 | 279.3 | -.01 |
| 09:40 | 1.1 | 306.8 | -.17 | 1.4 | 304.3 | -.12 | 1.9 | 294.8 | -.14 |
| 09:45 | 1.7 | 279.9 | .10 | 1.7 | 284.9 | -.04 | 2.0 | 285.6 | -.17 |
| 09:50 | 1.1 | 280.6 | .06 | 1.5 | 281.2 | .02 | 1.9 | 285.6 | -.03 |
| 09:55 | 1.7 | 292.5 | .03 | 1.9 | 292.9 | .03 | 2.1 | 289.9 | -.02 |
| 10:00 | 2.1 | 296.7 | .02 | 2.5 | 291.2 | .07 | 2.6 | 288.5 | .16 |
| 10:05 | 2.3 | 282.1 | .17 | 2.6 | 283.6 | .17 | 2.8 | 282.4 | .15 |
| 10:10 | 2.2 | 294.8 | -.15 | 2.5 | 291.3 | -.13 | 2.5 | 285.0 | -.08 |
| 10:15 | 2.2 | 253.6 | -.38 | 2.2 | 254.3 | -.28 | 2.3 | 253.5 | -.19 |
| 10:20 | 2.9 | 250.7 | .16 | 2.9 | 250.7 | .14 | 3.1 | 247.9 | .08 |
| 10:25 | 3.7 | 259.4 | .20 | 3.7 | 260.1 | .34 | 3.7 | 262.5 | .41 |
| 10:30 | 3.4 | 264.1 | .23 | 3.4 | 267.0 | .20 | 3.5 | 267.2 | .23 |
| 10:35 | 3.2 | 270.7 | .20 | 3.4 | 271.4 | .26 | 3.6 | 273.3 | .31 |
| 10:40 | 3.1 | 270.4 | .23 | 3.3 | 274.3 | .20 | 3.3 | 272.5 | .17 |
| 10:45 | 3.0 | 269.5 | .23 | 2.9 | 268.8 | .15 | 2.7 | 269.2 | .09 |
| 10:50 | 2.8 | 267.1 | -.13 | 2.8 | 271.5 | -.20 | 2.9 | 272.4 | -.27 |
| 10:55 | 3.0 | 257.3 | -.02 | 3.0 | 257.4 | -.02 | 3.1 | 255.8 | -.08 |
| 11:00 | 3.4 | 239.0 | .16 | 3.5 | 240.7 | .23 | 3.6 | 242.7 | .29 |
| 11:05 | 3.3 | 234.1 | .07 | 3.3 | 234.9 | .19 | 3.2 | 238.8 | .22 |
| 11:10 | 2.5 | 233.0 | -.02 | 2.5 | 236.8 | -.22 | 2.5 | 241.7 | -.36 |
| 11:15 | 2.4 | 236.6 | -.56 | 2.7 | 237.0 | -.67 | 2.7 | 235.6 | -.81 |
| 11:20 | 2.6 | 222.1 | -.24 | 2.5 | 222.9 | -.17 | 2.6 | 221.2 | -.17 |
| 11:25 | 3.4 | 228.6 | -.09 | 3.5 | 229.9 | -.04 | 3.5 | 231.0 | -.01 |
| 11:30 | 3.4 | 228.7 | .14 | 3.5 | 226.4 | .20 | 3.5 | 224.8 | .19 |
| 11:35 | 3.2 | 232.4 | -.14 | 3.6 | 233.3 | -.04 | 3.7 | 233.4 | .02 |
| 11:40 | 3.6 | 240.2 | .08 | 3.7 | 237.2 | .17 | 3.6 | 235.5 | .22 |
| 11:45 | 3.9 | 242.7 | .05 | 4.0 | 241.9 | .13 | 4.0 | 240.3 | .18 |
| 11:50 | 3.9 | 237.2 | .18 | 3.9 | 236.6 | .23 | 4.1 | 236.2 | .23 |
| 11:55 | 4.2 | 234.6 | .19 | 4.0 | 233.8 | .24 | 3.8 | 232.3 | .28 |
| 12:00 | 3.6 | 241.2 | -.24 | 3.6 | 237.1 | -.16 | 3.6 | 231.4 | -.12 |
| 12:05 | 3.8 | 241.9 | .22 | 3.8 | 241.6 | .27 | 3.7 | 240.3 | .29 |
| 12:10 | 3.1 | 241.0 | -.12 | 3.2 | 241.9 | -.06 | 3.3 | 240.3 | -.01 |
| 12:15 | 3.1 | 241.2 | .05 | 3.1 | 243.2 | .04 | 3.1 | 243.1 | .07 |
| 12:20 | 2.9 | 207.8 | .18 | 2.8 | 206.9 | .14 | 2.7 | 206.4 | .07 |
| 12:25 | 3.4 | 244.7 | -.28 | 3.5 | 248.3 | -.26 | 3.7 | 250.1 | -.23 |
| 12:30 | 4.4 | 239.4 | .19 | 4.2 | 241.9 | .30 | 4.2 | 244.3 | .37 |
| 12:35 | 3.9 | 233.4 | .01 | 4.0 | 233.2 | -.11 | 3.9 | 232.5 | -.21 |
| 12:40 | 5.4 | 236.2 | .21 | 5.4 | 239.4 | .22 | 5.4 | 241.2 | .24 |
| 12:45 | 3.9 | 225.5 | -.04 | 3.8 | 227.4 | .05 | 3.7 | 227.4 | .14 |
| 12:50 | 4.6 | 241.4 | -.20 | 4.4 | 242.7 | -.29 | 4.3 | 245.9 | -.39 |
| 12:55 | 6.3 | 238.4 | .25 | 6.4 | 238.3 | .32 | 6.6 | 238.2 | .33 |
| 13:00 | 7.3 | 229.3 | .20 | 7.2 | 228.4 | .29 | 7.1 | 228.2 | .42 |
| 13:05 | 5.6 | 228.5 | .06 | 5.5 | 229.9 | .16 | 5.5 | 231.0 | .22 |
| 13:10 | 5.5 | 226.5 | .35 | 5.3 | 227.3 | .35 | 5.2 | 227.6 | .42 |
| 13:15 | 4.6 | 218.3 | -.17 | 4.7 | 220.9 | -.04 | 4.7 | 220.8 | .14 |
| 13:20 | 4.5 | 224.3 | -.05 | 4.7 | 226.1 | .13 | 4.9 | 228.9 | .31 |
| 13:25 | 5.1 | 235.8 | .23 | 5.2 | 237.8 | .32 | 5.3 | 239.3 | .39 |
| 13:30 | 4.2 | 226.3 | -.05 | 4.2 | 226.3 | .09 | 4.1 | 227.4 | .18 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_VWS100m | 18_WS120m | 19_WD120m | 20_VWS120m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEGC | MPH |
| 13:35 | 3.3 | 231.6 | .14 | 3.2 | 231.9 | .10 | 3.3 | 232.8 | .16 |
| 13:40 | 3.3 | 256.7 | -.21 | 3.7 | 253.2 | -.18 | 4.1 | 253.5 | -.16 |
| 13:45 | 4.5 | 258.2 | .01 | 4.7 | 258.5 | .01 | 4.6 | 259.3 | -.01 |
| 13:50 | 4.2 | 246.6 | .21 | 4.2 | 249.1 | .26 | 4.3 | 249.7 | .25 |
| 13:55 | 3.8 | 246.8 | .02 | 3.8 | 249.8 | .09 | 3.9 | 250.2 | .12 |
| 14:00 | 4.7 | 253.0 | -.06 | 4.8 | 251.5 | .11 | 4.6 | 251.3 | .23 |
| 14:05 | 3.6 | 246.0 | -.23 | 3.9 | 243.9 | -.14 | 4.2 | 239.7 | -.08 |
| 14:10 | 5.1 | 218.0 | .08 | 5.3 | 216.7 | .23 | 5.1 | 218.4 | .28 |
| 14:15 | 4.0 | 267.3 | .14 | 4.1 | 267.0 | .12 | 4.2 | 267.0 | .09 |
| 14:20 | 3.7 | 262.1 | -.07 | 3.7 | 261.2 | -.04 | 3.7 | 260.6 | -.04 |
| 14:25 | 3.9 | 255.5 | -.17 | 4.1 | 254.3 | -.22 | 4.4 | 254.2 | -.33 |
| 14:30 | 4.8 | 249.1 | -.32 | 5.0 | 248.5 | -.31 | 5.3 | 246.7 | -.31 |
| 14:35 | 6.3 | 243.2 | .02 | 6.6 | 244.7 | .06 | 6.8 | 244.5 | .01 |
| 14:40 | 5.6 | 233.4 | .01 | 5.9 | 234.2 | .07 | 6.1 | 235.2 | .08 |
| 14:45 | 6.2 | 232.0 | .38 | 6.3 | 231.0 | .34 | 6.4 | 230.1 | .23 |
| 14:50 | 4.7 | 219.1 | .16 | 5.0 | 219.8 | .15 | 5.1 | 219.6 | .19 |
| 14:55 | 4.3 | 226.4 | -.29 | 4.4 | 231.9 | -.42 | 4.6 | 233.4 | -.40 |
| 15:00 | 5.9 | 244.0 | -.01 | 5.8 | 243.0 | .17 | 5.8 | 240.2 | .19 |
| 15:05 | 5.1 | 239.5 | .11 | 5.0 | 234.4 | .03 | 4.8 | 230.8 | .00 |
| 15:10 | 4.6 | 233.1 | .01 | 4.7 | 236.0 | .01 | 4.7 | 238.9 | -.13 |
| 15:15 | 5.9 | 247.7 | -.25 | 6.0 | 250.3 | -.11 | 5.9 | 251.6 | -.18 |
| 15:20 | 4.9 | 236.4 | .03 | 5.0 | 235.5 | .09 | 5.0 | 237.0 | .18 |
| 15:25 | 4.1 | 240.1 | .11 | 4.0 | 238.0 | .17 | 3.8 | 237.7 | .24 |
| 15:30 | 4.4 | 254.3 | -.14 | 4.5 | 253.2 | -.14 | 4.4 | 249.0 | -.02 |
| 15:35 | 3.8 | 238.5 | .12 | 4.0 | 238.7 | .16 | 4.2 | 237.9 | .14 |
| 15:40 | 3.9 | 226.5 | -.42 | 4.1 | 224.2 | -.38 | 4.4 | 220.7 | -.39 |
| 15:45 | 3.4 | 220.1 | .08 | 3.4 | 222.3 | .18 | 3.4 | 222.8 | .31 |
| 15:50 | 2.6 | 225.6 | .34 | 2.7 | 229.0 | .29 | 2.6 | 230.4 | .19 |
| 15:55 | 4.1 | 213.4 | .24 | 4.2 | 211.9 | .24 | 4.1 | 210.1 | .17 |
| 16:00 | 3.7 | 200.6 | .30 | 4.0 | 204.2 | .31 | 4.1 | 205.9 | .28 |
| 16:05 | 4.4 | 193.9 | -.07 | 4.5 | 196.9 | .05 | 4.7 | 197.7 | .17 |
| 16:10 | 3.9 | 201.2 | .44 | 4.2 | 201.5 | .45 | 4.2 | 202.5 | .46 |
| 16:15 | 3.7 | 216.2 | -.53 | 3.8 | 217.8 | -.54 | 3.8 | 219.5 | -.52 |
| 16:20 | 4.1 | 224.6 | -.33 | 4.1 | 229.1 | -.34 | 4.2 | 231.0 | -.20 |
| 16:25 | 5.1 | 233.3 | .07 | 5.1 | 231.8 | .00 | 5.3 | 227.7 | -.02 |
| 16:30 | | | | | | | | | |
| 16:35 | 3.4 | 200.2 | -.17 | 3.6 | 199.6 | -.11 | 3.8 | 199.6 | -.13 |
| 16:40 | 4.3 | 196.8 | -.10 | 4.3 | 198.1 | -.08 | 4.3 | 199.9 | -.10 |
| 16:45 | 3.6 | 204.0 | -.43 | 3.7 | 208.0 | -.47 | 3.7 | 209.4 | -.54 |
| 16:50 | 4.2 | 223.1 | .00 | 4.4 | 223.6 | .04 | 4.5 | 220.9 | .08 |
| 16:55 | 4.0 | 217.2 | .06 | 4.2 | 217.2 | .21 | 4.2 | 217.5 | .36 |
| 17:00 | 3.2 | 189.3 | -.52 | 3.1 | 187.1 | -.56 | 3.2 | 186.2 | -.62 |
| 17:05 | 3.2 | 191.5 | .23 | 3.2 | 190.2 | .35 | 3.1 | 189.6 | .41 |
| 17:10 | 2.9 | 166.5 | .21 | 2.8 | 169.2 | .29 | 2.9 | 172.9 | .35 |
| 17:15 | 3.2 | 185.0 | .00 | 3.2 | 187.5 | .04 | 3.3 | 188.6 | .04 |
| 17:20 | 4.1 | 193.4 | -.03 | 4.2 | 192.7 | .01 | 4.3 | 192.4 | .00 |
| 17:25 | 3.2 | 217.1 | -.23 | 3.4 | 220.6 | -.31 | 3.7 | 223.1 | -.38 |
| 17:30 | 3.3 | 226.0 | -.04 | 3.6 | 224.2 | .00 | 4.0 | 220.6 | -.02 |
| 17:35 | 2.6 | 203.6 | -.09 | 2.8 | 204.2 | -.04 | 3.0 | 203.2 | -.05 |
| 17:40 | 1.6 | 222.7 | .08 | 1.8 | 218.8 | .05 | 1.9 | 218.4 | -.09 |
| 17:45 | 1.2 | 215.0 | -.09 | 1.5 | 217.7 | -.01 | 1.8 | 219.8 | .11 |
| 17:50 | 2.1 | 222.9 | .17 | 2.5 | 222.9 | .27 | 2.9 | 228.9 | .29 |
| 17:55 | 2.6 | 236.9 | .07 | 2.7 | 239.2 | .05 | 2.9 | 239.1 | .02 |
| 18:00 | 3.5 | 249.3 | .00 | 3.7 | 247.1 | .04 | 3.8 | 245.6 | .08 |
| 18:05 | 3.3 | 242.8 | -.12 | 3.6 | 243.2 | -.14 | 3.9 | 243.2 | -.13 |
| 18:10 | 2.6 | 242.6 | .02 | 2.9 | 239.9 | .01 | 3.3 | 239.4 | -.03 |

| | 12_WS080m | 13_WD080m | 14_VWS080m | 15_WS100m | 16_WD100m | 17_VWS100m | 18_WS120m | 19_WD120m | 20_VWS120m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEGC | MPH |
| 18:15 | 3.0 | 223.9 | .00 | 3.3 | 227.0 | .02 | 3.6 | 226.3 | .05 |
| 18:20 | 2.9 | 231.5 | .70 | 3.2 | 233.0 | .73 | 3.3 | 233.5 | .72 |
| 18:25 | 2.3 | 229.6 | .32 | 2.6 | 230.4 | .33 | 2.5 | 230.3 | .37 |
| 18:30 | 3.5 | 271.7 | -.09 | 3.3 | 270.3 | -.08 | 3.2 | 268.7 | -.05 |
| 18:35 | 2.6 | 267.5 | .07 | 2.5 | 264.2 | .10 | 2.3 | 257.8 | .07 |
| 18:40 | 3.1 | 256.2 | .20 | 3.1 | 254.7 | .18 | 3.0 | 248.6 | .17 |
| 18:45 | 2.6 | 266.3 | -.08 | 2.4 | 260.3 | -.08 | 2.6 | 251.9 | -.08 |
| 18:50 | 2.1 | 251.5 | -.16 | 2.2 | 246.4 | -.15 | 2.3 | 239.8 | -.14 |
| 18:55 | 1.4 | 244.4 | -.10 | 1.8 | 242.6 | -.03 | 2.1 | 232.6 | -.04 |
| 19:00 | 1.4 | 238.2 | -.10 | 1.6 | 238.9 | -.08 | 2.0 | 231.9 | -.07 |
| 19:05 | .7 | 293.7 | -.44 | .6 | 262.7 | -.31 | .8 | 240.9 | -.15 |
| 19:10 | 1.1 | 299.2 | -.13 | 1.2 | 287.5 | -.12 | 1.1 | 277.5 | -.14 |
| 19:15 | 1.4 | 325.9 | -.02 | 1.2 | 319.3 | -.03 | .9 | 304.3 | -.04 |
| 19:20 | 1.1 | 337.7 | -.01 | 1.0 | 337.5 | -.02 | .8 | 331.7 | -.07 |
| 19:25 | 1.0 | 261.4 | .06 | 1.0 | 244.9 | .12 | 1.2 | 225.0 | .12 |
| 19:30 | .8 | 205.6 | -.07 | 1.1 | 204.5 | -.06 | 1.4 | 205.8 | -.10 |
| 19:35 | .5 | 239.1 | -.29 | .6 | 237.7 | -.31 | .6 | 229.3 | -.22 |
| 19:40 | .4 | 325.9 | -.10 | .2 | 324.0 | -.17 | .4 | 297.0 | -.26 |
| 19:45 | .8 | 322.4 | -.09 | .7 | 319.2 | -.03 | .5 | 302.3 | .07 |
| 19:50 | .2 | 343.0 | .04 | .1 | 183.0 | .08 | .3 | 196.5 | .08 |
| 19:55 | 1.0 | 2.8 | -.16 | .8 | 8.5 | -.11 | .6 | 11.2 | -.07 |
| 20:00 | 1.3 | 7.2 | -.14 | 1.2 | 17.9 | -.06 | 1.1 | 27.3 | .01 |
| 20:05 | 1.4 | 12.8 | -.06 | 1.3 | 27.5 | -.02 | 1.3 | 35.6 | .03 |
| 20:10 | 1.3 | 354.9 | -.06 | 1.1 | 7.9 | -.01 | 1.1 | 22.4 | .04 |
| 20:15 | 1.3 | 359.5 | -.11 | 1.1 | 11.3 | -.06 | 1.1 | 25.8 | -.02 |
| 20:20 | 1.0 | 338.2 | -.17 | .8 | 354.2 | -.08 | .7 | 8.6 | -.03 |
| 20:25 | .3 | 351.3 | -.16 | .3 | 41.9 | -.08 | .5 | 75.4 | -.03 |
| 20:30 | .3 | 24.9 | .09 | .3 | 39.0 | .03 | .4 | 52.1 | .03 |
| 20:35 | .8 | 23.1 | .12 | .8 | 26.8 | .13 | .7 | 36.1 | .14 |
| 20:40 | 1.3 | 22.8 | .00 | 1.2 | 25.6 | .02 | .9 | 40.9 | .02 |
| 20:45 | 1.0 | 28.9 | .00 | .7 | 33.5 | .00 | .4 | 97.0 | -.02 |
| 20:50 | 1.1 | 16.8 | -.11 | 1.1 | 20.0 | -.09 | .6 | 23.8 | -.06 |
| 20:55 | .8 | 23.3 | -.03 | .6 | 33.6 | .00 | .3 | 85.9 | .00 |
| 21:00 | .6 | 14.3 | -.07 | .3 | 44.5 | -.04 | .2 | 166.4 | -.01 |
| 21:05 | .6 | 359.1 | -.07 | .5 | 6.6 | -.10 | .2 | 341.4 | -.09 |
| 21:10 | .5 | 335.8 | -.04 | .5 | 336.8 | .00 | .3 | 355.5 | .00 |
| 21:15 | .3 | 299.8 | .00 | .2 | 279.8 | .01 | .3 | 204.2 | .01 |
| 21:20 | .4 | 218.0 | -.01 | .2 | 205.5 | .00 | .4 | 196.9 | .01 |
| 21:25 | .6 | 236.9 | -.02 | .4 | 227.5 | -.02 | .8 | 208.7 | -.01 |
| 21:30 | .8 | 251.2 | .00 | .7 | 243.7 | .01 | 1.1 | 223.9 | .04 |
| 21:35 | .7 | 251.6 | -.01 | .7 | 242.5 | .00 | 1.2 | 219.2 | .01 |
| 21:40 | .9 | 249.1 | -.05 | .8 | 238.5 | -.04 | 1.4 | 218.8 | -.03 |
| 21:45 | 1.1 | 243.5 | -.06 | 1.2 | 229.1 | -.05 | 1.9 | 219.1 | -.03 |
| 21:50 | 1.0 | 229.5 | -.03 | 1.6 | 217.9 | -.02 | 2.2 | 211.9 | .01 |
| 21:55 | 1.1 | 225.5 | .04 | 1.6 | 211.7 | .02 | 2.2 | 207.8 | .07 |
| 22:00 | 1.0 | 213.1 | -.02 | 1.6 | 201.2 | .01 | 2.0 | 202.3 | .04 |
| 22:05 | .7 | 209.4 | -.09 | 1.2 | 195.6 | -.01 | 1.7 | 201.4 | .03 |
| 22:10 | .8 | 236.8 | -.02 | 1.2 | 208.3 | -.01 | 1.8 | 209.7 | .05 |
| 22:15 | .7 | 250.8 | -.01 | .9 | 214.1 | -.03 | 1.5 | 211.0 | .01 |
| 22:20 | .5 | 274.7 | -.02 | .8 | 217.8 | .00 | 1.4 | 215.6 | .06 |
| 22:25 | .7 | 336.1 | -.10 | .5 | 256.0 | -.09 | 1.0 | 230.6 | -.03 |
| 22:30 | 1.2 | 355.3 | .06 | .7 | 319.4 | -.01 | .8 | 257.8 | .03 |
| 22:35 | 1.7 | 8.4 | .09 | 1.2 | 333.2 | .08 | 1.1 | 284.8 | .12 |
| 22:40 | 1.9 | 23.6 | .02 | 1.3 | 352.2 | .10 | .9 | 311.9 | .07 |
| 22:45 | 2.2 | 26.0 | .04 | 1.6 | 12.2 | .09 | 1.2 | 326.9 | .09 |
| 22:50 | 2.4 | 23.5 | .02 | 1.9 | 10.7 | .02 | 1.5 | 337.0 | .01 |

Daily Summary Report

Site: Lidar "Q" (PAM35)

7/21/2022

Interval: 005m

| | 21_WS140m | 22_WD140m | 23_VWS140m | 24_WS160m | 25_WD160m | 26_VWS160m | 27_WS180m | 28_WD180m | 29_VWS180m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH |
| 00:00 | 8.1 | 228.8 | -.21 | 8.8 | 229.0 | -.22 | 9.4 | 227.4 | -.12 |
| 00:05 | 7.0 | 229.4 | -.10 | 7.5 | 228.1 | -.01 | 8.0 | 227.0 | .00 |
| 00:10 | 6.3 | 221.0 | .04 | 6.8 | 221.9 | .11 | 7.4 | 222.3 | .05 |
| 00:15 | 6.9 | 224.0 | .08 | 7.4 | 224.7 | .19 | 8.1 | 223.8 | .08 |
| 00:20 | 7.2 | 227.4 | .15 | 7.6 | 227.1 | .08 | 8.1 | 225.0 | .07 |
| 00:25 | 7.3 | 227.0 | .08 | 7.9 | 226.3 | .04 | 8.5 | 225.1 | -.02 |
| 00:30 | 7.7 | 227.3 | .02 | 8.1 | 226.4 | -.02 | 8.7 | 225.6 | -.14 |
| 00:35 | 7.8 | 219.7 | .23 | 8.3 | 220.1 | .18 | 8.8 | 221.1 | .10 |
| 00:40 | 7.5 | 227.9 | -.10 | 8.1 | 227.8 | -.10 | 8.6 | 226.3 | -.06 |
| 00:45 | 7.4 | 223.1 | -.02 | 8.1 | 221.9 | -.05 | 8.9 | 223.2 | -.08 |
| 00:50 | 7.2 | 218.6 | .11 | 7.7 | 219.9 | .12 | 8.3 | 220.5 | .05 |
| 00:55 | 7.5 | 224.6 | .10 | 8.0 | 223.8 | .14 | 8.4 | 223.3 | .12 |
| 01:00 | 8.5 | 214.7 | .13 | 8.9 | 215.2 | .20 | 9.2 | 215.4 | .25 |
| 01:05 | 8.9 | 218.3 | .05 | 9.3 | 219.3 | .10 | 9.9 | 219.6 | .16 |
| 01:10 | 8.7 | 215.4 | -.02 | 9.3 | 216.2 | .00 | 9.8 | 216.6 | .03 |
| 01:15 | 8.2 | 218.9 | -.21 | 8.7 | 217.3 | -.18 | 9.2 | 217.2 | -.13 |
| 01:20 | 7.1 | 217.0 | .05 | 7.6 | 215.9 | .05 | 8.0 | 216.8 | .07 |
| 01:25 | 5.9 | 225.4 | -.04 | 6.6 | 224.0 | .04 | 7.1 | 222.9 | .13 |
| 01:30 | 7.1 | 227.5 | -.07 | 7.7 | 226.3 | -.03 | 8.1 | 224.7 | -.01 |
| 01:35 | 6.3 | 227.5 | -.12 | 6.7 | 226.7 | -.07 | 7.5 | 225.6 | -.04 |
| 01:40 | 6.1 | 228.6 | -.11 | 6.7 | 228.2 | -.10 | 7.2 | 225.4 | -.03 |
| 01:45 | 6.6 | 221.4 | -.21 | 7.2 | 221.0 | -.16 | 7.8 | 220.5 | -.03 |
| 01:50 | 7.1 | 214.6 | .06 | 7.6 | 214.7 | .01 | 8.1 | 215.2 | .02 |
| 01:55 | 6.4 | 209.4 | -.05 | 7.1 | 211.2 | -.09 | 7.8 | 213.1 | -.10 |
| 02:00 | 6.2 | 212.9 | -.10 | 6.7 | 213.7 | -.02 | 7.1 | 214.2 | .01 |
| 02:05 | 5.8 | 217.6 | -.08 | 6.6 | 216.9 | -.12 | 7.2 | 217.5 | -.10 |
| 02:10 | 6.4 | 226.3 | .01 | 7.0 | 222.8 | .08 | 7.8 | 217.8 | -.06 |
| 02:15 | 6.1 | 220.7 | -.17 | 6.8 | 219.8 | -.16 | 7.3 | 219.7 | -.11 |
| 02:20 | 5.3 | 225.2 | -.12 | 5.9 | 223.3 | -.12 | 6.4 | 222.2 | -.18 |
| 02:25 | 5.9 | 234.9 | .01 | 6.4 | 233.3 | .03 | 6.8 | 231.8 | .07 |
| 02:30 | 5.9 | 229.7 | .03 | 6.4 | 227.8 | .03 | 6.9 | 227.9 | .06 |
| 02:35 | 5.5 | 228.8 | .09 | 6.1 | 228.5 | .12 | 6.8 | 229.4 | .11 |
| 02:40 | 5.9 | 229.5 | .02 | 6.4 | 228.5 | .04 | 7.0 | 227.3 | .13 |
| 02:45 | 5.6 | 225.5 | .11 | 6.2 | 226.4 | .12 | 7.0 | 227.8 | .08 |
| 02:50 | 6.4 | 221.0 | -.11 | 6.9 | 222.8 | -.05 | 7.5 | 223.1 | -.03 |
| 02:55 | 6.0 | 221.6 | -.13 | 6.6 | 223.1 | -.13 | 7.2 | 223.6 | -.17 |
| 03:00 | 6.1 | 218.6 | -.19 | 6.7 | 219.5 | -.21 | 7.3 | 220.4 | -.24 |
| 03:05 | 6.1 | 219.6 | -.18 | 6.8 | 220.3 | -.16 | 7.5 | 219.9 | -.19 |
| 03:10 | 6.6 | 216.0 | -.12 | 7.1 | 217.9 | -.12 | 7.8 | 218.3 | -.15 |
| 03:15 | 6.8 | 215.0 | -.11 | 7.4 | 215.9 | -.03 | 8.1 | 216.9 | -.03 |
| 03:20 | 6.9 | 208.7 | -.13 | 7.6 | 211.1 | -.14 | 8.2 | 212.7 | -.16 |
| 03:25 | 5.7 | 206.4 | -.11 | 6.4 | 205.9 | -.13 | 6.9 | 206.9 | -.17 |
| 03:30 | 5.5 | 206.0 | -.25 | 6.1 | 208.3 | -.20 | 6.8 | 209.8 | -.28 |
| 03:35 | 5.0 | 206.8 | -.11 | 5.7 | 207.9 | -.12 | 6.6 | 207.8 | -.21 |
| 03:40 | 4.8 | 205.5 | -.10 | 5.6 | 206.6 | -.17 | 6.5 | 206.6 | -.19 |
| 03:45 | 4.8 | 209.1 | -.14 | 5.5 | 206.4 | -.10 | 6.1 | 207.3 | -.22 |
| 03:50 | 4.6 | 213.4 | -.13 | 5.0 | 213.3 | -.18 | 5.7 | 211.7 | -.25 |
| 03:55 | 3.9 | 217.8 | -.03 | 4.5 | 216.8 | -.05 | 5.2 | 215.4 | -.16 |
| 04:00 | 4.4 | 216.7 | .06 | 4.8 | 216.9 | .01 | 5.3 | 215.6 | -.05 |
| 04:05 | 4.8 | 211.9 | -.09 | 5.2 | 212.3 | -.13 | 5.7 | 211.7 | -.14 |
| 04:10 | 5.0 | 206.6 | -.18 | 5.5 | 207.8 | -.21 | 5.8 | 209.1 | -.18 |

| | 21_WS140m | 22_WD140m | 23_VWS140m | 24_WS160m | 25_WD160m | 26_VWS160m | 27_WS180m | 28_WD180m | 29_VWS180m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH |
| 04:15 | 4.6 | 210.6 | -.20 | 5.1 | 211.8 | -.18 | 5.6 | 211.1 | -.17 |
| 04:20 | 5.2 | 213.3 | -.08 | 5.8 | 212.4 | -.13 | 6.4 | 212.5 | -.15 |
| 04:25 | 5.6 | 216.2 | .03 | 6.2 | 216.0 | .03 | 6.8 | 216.5 | .00 |
| 04:30 | 6.3 | 223.6 | .05 | 6.7 | 224.1 | .03 | 7.2 | 224.2 | .03 |
| 04:35 | 6.8 | 224.7 | .04 | 7.3 | 223.6 | .02 | 7.9 | 222.4 | .03 |
| 04:40 | 8.2 | 216.7 | .00 | 8.7 | 217.5 | -.02 | 9.3 | 218.2 | -.04 |
| 04:45 | 12.2 | 292.6 | .02 | 12.8 | 291.7 | .12 | 13.6 | 292.4 | .06 |
| 04:50 | 15.2 | 314.0 | 1.17 | 16.7 | 315.6 | 1.47 | 18.0 | 317.3 | 1.28 |
| 04:55 | | | | | | | | | |
| 05:00 | | | | | | | | | |
| 05:05 | 6.8 | 9.5 | 3.34 | 6.4 | 3.0 | 3.48 | 6.4 | 6.7 | 3.95 |
| 05:10 | | | | | | | | | |
| 05:15 | | | 2.91 | | | | | | |
| 05:20 | 6.4 | 42.6 | 2.42 | 6.8 | 42.7 | 2.61 | 5.8 | 26.0 | 2.81 |
| 05:25 | 7.0 | 50.8 | 3.03 | 7.1 | 47.3 | 3.14 | 7.3 | 41.0 | 3.20 |
| 05:30 | | | 2.79 | | | 2.65 | | | |
| 05:35 | | | | | | | | | |
| 05:40 | | | | | | | | | |
| 05:45 | | | | | | | | | |
| 05:50 | | | 2.34 | | | 2.36 | | | 1.06 |
| 05:55 | 9.8 | 263.3 | 2.72 | 9.3 | 261.8 | 2.62 | | | 2.84 |
| 06:00 | 10.0 | 268.1 | 2.33 | 10.4 | 269.3 | 2.47 | 10.9 | 270.0 | 2.54 |
| 06:05 | 7.5 | 278.4 | 4.40 | 7.6 | 279.1 | 4.28 | 7.1 | 282.2 | 4.58 |
| 06:10 | | | 2.59 | | | | | | |
| 06:15 | | | 2.22 | | | 2.77 | | | |
| 06:20 | 2.8 | 232.7 | 2.00 | 2.1 | 220.0 | 1.99 | 2.0 | 221.2 | 2.74 |
| 06:25 | 3.1 | 214.9 | 1.10 | 3.0 | 210.2 | 1.48 | 2.3 | 194.6 | 1.64 |
| 06:30 | 3.1 | 156.8 | .88 | 2.9 | 126.6 | 3.09 | | | |
| 06:35 | 5.6 | 143.5 | .26 | 5.3 | 146.0 | .01 | 4.8 | 150.3 | 1.03 |
| 06:40 | 6.3 | 121.1 | 1.55 | | | | | | |
| 06:45 | 8.5 | 99.3 | 4.08 | 8.8 | 100.3 | 4.32 | 9.1 | 102.6 | 3.35 |
| 06:50 | 10.9 | 108.8 | 3.02 | 10.2 | 106.5 | 2.57 | | | |
| 06:55 | 6.8 | 153.3 | .56 | 6.0 | 161.2 | .07 | 5.3 | 172.6 | -.13 |
| 07:00 | 10.0 | 269.5 | 1.56 | 10.0 | 268.1 | 1.33 | 9.9 | 268.5 | .84 |
| 07:05 | 5.5 | 275.6 | 2.13 | 5.9 | 279.0 | 2.20 | 6.5 | 281.9 | 2.95 |
| 07:10 | 2.9 | 210.5 | 1.33 | 3.5 | 211.4 | 1.44 | 3.8 | 217.3 | 1.32 |
| 07:15 | 3.5 | 195.8 | 2.32 | 3.7 | 194.6 | 2.54 | 3.5 | 202.8 | 3.64 |
| 07:20 | 3.4 | 169.9 | 2.29 | 3.3 | 164.0 | 2.37 | 3.2 | 164.4 | 2.50 |
| 07:25 | 4.4 | 178.1 | 2.77 | 4.6 | 178.7 | 2.73 | 4.3 | 174.3 | 2.79 |
| 07:30 | 5.5 | 182.3 | 1.67 | 5.6 | 183.4 | 1.54 | 5.8 | 187.8 | 1.57 |
| 07:35 | 6.7 | 166.6 | 1.73 | 6.3 | 168.4 | 1.66 | 6.3 | 168.9 | 1.77 |
| 07:40 | 6.3 | 169.0 | 1.32 | 6.3 | 170.3 | 1.38 | 6.7 | 163.4 | 1.44 |
| 07:45 | 7.4 | 181.2 | .65 | 7.4 | 178.1 | .82 | 7.8 | 179.5 | 1.21 |
| 07:50 | 7.2 | 179.6 | 1.01 | 7.8 | 173.1 | 1.17 | 8.2 | 173.8 | 1.98 |
| 07:55 | 5.6 | 174.5 | 3.63 | 5.9 | 173.4 | 3.75 | 6.6 | 170.7 | 3.54 |
| 08:00 | 5.3 | 172.9 | 1.63 | 6.1 | 169.2 | 1.68 | 6.3 | 172.3 | 1.42 |
| 08:05 | 3.3 | 191.0 | .36 | 3.6 | 190.2 | .28 | 4.3 | 191.5 | .10 |
| 08:10 | 2.5 | 177.2 | -.04 | 3.2 | 175.5 | .01 | 3.8 | 176.2 | -.20 |
| 08:15 | 4.3 | 159.5 | .13 | 4.8 | 162.1 | .14 | 5.0 | 164.2 | .10 |
| 08:20 | 6.6 | 157.2 | .18 | 6.9 | 159.1 | .17 | 7.0 | 159.0 | -.19 |
| 08:25 | 6.1 | 152.3 | -.04 | 6.4 | 152.9 | .04 | 6.8 | 153.9 | .12 |
| 08:30 | 5.2 | 140.0 | -.11 | 5.8 | 141.3 | -.37 | 6.2 | 142.5 | |
| 08:35 | 5.7 | 141.0 | -.18 | 6.2 | 141.7 | -.03 | 6.7 | 143.1 | .21 |
| 08:40 | 4.2 | 148.5 | -.34 | 4.7 | 148.5 | | 5.4 | 151.0 | |
| 08:45 | 2.5 | 168.5 | -.12 | 3.2 | 167.0 | | | | |
| 08:50 | 3.2 | 217.7 | .08 | 3.3 | 208.2 | -.34 | 3.7 | 205.1 | -1.18 |

| | 21_WS140m | 22_WD140m | 23_VWS140m | 24_WS160m | 25_WD160m | 26_VWS160m | 27_WS180m | 28_WD180m | 29_VWS180m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH |
| 08:55 | 3.2 | 227.4 | .05 | 3.3 | 218.0 | .28 | 3.5 | 212.1 | |
| 09:00 | 2.5 | 235.8 | -.09 | 2.7 | 230.5 | -.12 | 2.9 | 228.3 | -.62 |
| 09:05 | 2.7 | 256.1 | .12 | 2.9 | 253.2 | .03 | 3.0 | 246.7 | .32 |
| 09:10 | 2.9 | 262.2 | .21 | 2.9 | 254.3 | .30 | 3.0 | 247.4 | -.06 |
| 09:15 | 3.1 | 245.1 | .15 | 3.2 | 242.1 | .19 | 3.3 | 240.7 | .18 |
| 09:20 | 3.2 | 264.2 | -.04 | 3.4 | 260.5 | .07 | 3.6 | 258.7 | -.04 |
| 09:25 | 3.1 | 255.1 | -.01 | 3.4 | 253.8 | -.07 | 3.7 | 252.0 | -.09 |
| 09:30 | 2.7 | 268.5 | -.21 | 3.2 | 266.7 | -.26 | 3.4 | 261.7 | -.40 |
| 09:35 | 2.4 | 269.6 | -.10 | 2.6 | 269.1 | .03 | 2.8 | 272.8 | .08 |
| 09:40 | 2.1 | 284.3 | -.23 | 2.3 | 277.5 | -.10 | 2.3 | 274.6 | -.05 |
| 09:45 | 2.2 | 280.2 | -.23 | 2.5 | 282.8 | -.13 | 2.4 | 282.8 | -.02 |
| 09:50 | 2.3 | 278.9 | -.25 | 2.4 | 273.9 | -.13 | 2.5 | 268.7 | .01 |
| 09:55 | 2.6 | 285.1 | -.04 | 2.8 | 281.9 | .12 | 3.0 | 280.5 | .14 |
| 10:00 | 2.7 | 287.4 | .09 | 2.8 | 284.7 | -.02 | 2.9 | 279.2 | -.28 |
| 10:05 | 2.8 | 281.7 | .11 | 2.8 | 278.4 | .07 | 2.8 | 273.1 | -.08 |
| 10:10 | 2.4 | 280.8 | -.09 | 2.4 | 272.4 | -.13 | 2.4 | 267.9 | -.21 |
| 10:15 | 2.3 | 253.6 | -.09 | 2.6 | 253.7 | -.06 | 2.8 | 253.5 | -.04 |
| 10:20 | 3.2 | 247.2 | .04 | 3.3 | 251.7 | -.01 | 3.3 | 255.8 | -.03 |
| 10:25 | 3.7 | 263.8 | .40 | 3.9 | 263.9 | .34 | 4.0 | 264.7 | .23 |
| 10:30 | 3.7 | 265.8 | .30 | 3.8 | 263.0 | .27 | 4.0 | 259.9 | .22 |
| 10:35 | 3.6 | 273.9 | .32 | 3.7 | 274.3 | .36 | 3.8 | 273.7 | .35 |
| 10:40 | 3.3 | 270.5 | .17 | 3.3 | 268.5 | .15 | 3.2 | 265.7 | .12 |
| 10:45 | 2.7 | 269.3 | -.04 | 2.8 | 268.8 | -.17 | 3.0 | 269.1 | -.23 |
| 10:50 | 3.0 | 272.1 | -.22 | 3.0 | 273.1 | -.15 | 3.0 | 274.6 | -.13 |
| 10:55 | 3.1 | 256.9 | -.08 | 3.4 | 257.8 | -.06 | 3.6 | 255.7 | -.02 |
| 11:00 | 3.6 | 245.6 | .34 | 3.6 | 247.3 | .36 | 3.5 | 248.7 | .33 |
| 11:05 | 3.1 | 241.1 | .26 | 3.2 | 244.7 | .36 | 3.4 | 245.3 | .43 |
| 11:10 | 2.5 | 242.0 | -.37 | 2.6 | 240.9 | -.40 | 2.6 | 238.8 | -.45 |
| 11:15 | 2.4 | 235.7 | -.98 | 2.5 | 233.8 | -1.10 | 2.5 | 231.3 | -1.11 |
| 11:20 | 2.6 | 225.0 | -.17 | 2.7 | 228.8 | -.07 | 2.8 | 234.5 | -.03 |
| 11:25 | 3.7 | 229.8 | -.04 | 3.9 | 230.0 | -.02 | 4.1 | 229.7 | .04 |
| 11:30 | 3.5 | 223.8 | .15 | 3.6 | 224.2 | .15 | 3.6 | 225.0 | .12 |
| 11:35 | 3.8 | 233.6 | .04 | 3.8 | 233.2 | .00 | 3.9 | 232.0 | .04 |
| 11:40 | 3.5 | 232.6 | .27 | 3.4 | 231.0 | .30 | 3.3 | 228.9 | .37 |
| 11:45 | 4.1 | 238.7 | .20 | 4.0 | 237.0 | .21 | 3.9 | 234.8 | .22 |
| 11:50 | 4.1 | 234.9 | .20 | 4.1 | 234.5 | .16 | 4.0 | 233.2 | .18 |
| 11:55 | 3.8 | 229.5 | .33 | 3.7 | 228.1 | .33 | 3.7 | 225.5 | .33 |
| 12:00 | 3.6 | 229.9 | -.06 | 3.8 | 230.6 | -.05 | 3.8 | 228.0 | .04 |
| 12:05 | 3.5 | 238.0 | .26 | 3.5 | 236.0 | .15 | 3.5 | 232.6 | .14 |
| 12:10 | 3.3 | 237.7 | .05 | 3.2 | 236.1 | .08 | 3.2 | 234.9 | .10 |
| 12:15 | 3.2 | 242.5 | .04 | 3.2 | 240.7 | .02 | 3.0 | 240.4 | .01 |
| 12:20 | 2.7 | 205.3 | .07 | 2.9 | 206.7 | .04 | 3.1 | 208.7 | -.02 |
| 12:25 | 3.7 | 249.1 | -.28 | 3.6 | 246.3 | -.32 | 3.6 | 242.9 | -.43 |
| 12:30 | 4.2 | 243.7 | .33 | 4.0 | 242.8 | .28 | 4.1 | 242.9 | .10 |
| 12:35 | 3.9 | 234.2 | -.32 | 4.0 | 239.1 | -.43 | 4.1 | 240.6 | -.44 |
| 12:40 | 5.6 | 242.0 | .25 | 5.7 | 243.0 | .25 | 5.8 | 244.0 | .28 |
| 12:45 | 3.6 | 229.1 | .13 | 3.7 | 230.1 | .18 | 4.0 | 229.6 | .16 |
| 12:50 | 4.4 | 250.3 | -.31 | 4.5 | 251.1 | -.17 | 4.7 | 252.8 | -.12 |
| 12:55 | 6.6 | 238.6 | .36 | 6.7 | 237.7 | .38 | 6.7 | 236.4 | .45 |
| 13:00 | 7.0 | 228.1 | .39 | 7.0 | 227.7 | .38 | 6.9 | 227.6 | .41 |
| 13:05 | 5.4 | 232.2 | .31 | 5.3 | 233.7 | .36 | 5.2 | 234.0 | .33 |
| 13:10 | 5.3 | 227.4 | .47 | 5.3 | 228.0 | .46 | 5.4 | 228.1 | .51 |
| 13:15 | 4.5 | 222.0 | .22 | 4.4 | 222.9 | .21 | 4.4 | 226.3 | .14 |
| 13:20 | 5.0 | 230.0 | .40 | 5.2 | 230.3 | .50 | 5.3 | 229.1 | .61 |
| 13:25 | 5.4 | 240.2 | .41 | 5.3 | 240.2 | .47 | 5.4 | 239.5 | .56 |
| 13:30 | 4.0 | 229.1 | .24 | 4.2 | 229.5 | .26 | 4.3 | 230.2 | .29 |

| | 21_WS140m | 22_WD140m | 23_VWS140m | 24_WS160m | 25_WD160m | 26_VWS160m | 27_WS180m | 28_WD180m | 29_VWS180m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH |
| 13:35 | 3.4 | 232.5 | .23 | 3.7 | 232.8 | .25 | 3.8 | 232.9 | .29 |
| 13:40 | 4.1 | 254.3 | -.11 | 4.1 | 256.1 | -.10 | 4.2 | 255.3 | -.05 |
| 13:45 | 4.6 | 257.9 | -.05 | 4.6 | 256.4 | -.09 | 4.5 | 254.9 | -.06 |
| 13:50 | 4.3 | 249.0 | .22 | 4.3 | 248.0 | .23 | 4.5 | 245.5 | .27 |
| 13:55 | 4.1 | 252.8 | .22 | 4.1 | 253.2 | .29 | 4.2 | 250.4 | .34 |
| 14:00 | 4.5 | 252.4 | .32 | 4.4 | 251.5 | .38 | 4.4 | 249.1 | .46 |
| 14:05 | 4.4 | 235.0 | -.09 | 4.6 | 234.2 | -.03 | 4.9 | 232.5 | .08 |
| 14:10 | 5.1 | 221.7 | .19 | 5.0 | 224.6 | .10 | 5.0 | 223.4 | .02 |
| 14:15 | 4.2 | 267.3 | .11 | 4.2 | 267.7 | .10 | 4.2 | 267.1 | .04 |
| 14:20 | 3.8 | 259.6 | -.03 | 4.1 | 258.1 | -.01 | 4.2 | 257.3 | -.01 |
| 14:25 | 4.7 | 252.7 | -.38 | 5.0 | 251.8 | -.38 | 5.2 | 250.9 | -.41 |
| 14:30 | 5.5 | 242.5 | -.24 | 5.6 | 242.1 | -.26 | 5.8 | 243.0 | -.32 |
| 14:35 | 7.0 | 243.7 | .05 | 7.2 | 243.4 | .14 | 7.1 | 242.7 | .21 |
| 14:40 | 6.6 | 237.5 | .01 | 6.9 | 237.4 | .00 | 7.2 | 236.4 | .00 |
| 14:45 | 6.6 | 229.5 | .14 | 6.5 | 229.4 | .15 | 6.6 | 229.5 | .13 |
| 14:50 | 5.3 | 219.7 | .28 | 5.5 | 220.0 | .35 | 5.6 | 221.7 | .38 |
| 14:55 | 4.8 | 233.5 | -.34 | 5.1 | 233.3 | -.33 | 5.2 | 233.6 | -.26 |
| 15:00 | 5.9 | 239.5 | .20 | 6.0 | 238.7 | .21 | 5.9 | 238.1 | .24 |
| 15:05 | 4.6 | 231.1 | -.01 | 4.6 | 230.5 | .00 | 4.7 | 230.4 | -.03 |
| 15:10 | 5.1 | 238.0 | -.29 | 5.1 | 236.4 | -.28 | 5.0 | 236.5 | -.25 |
| 15:15 | 5.9 | 252.5 | -.27 | 5.8 | 254.5 | -.40 | 5.7 | 256.0 | -.49 |
| 15:20 | 4.9 | 238.4 | .34 | 5.0 | 241.0 | .39 | 4.9 | 241.1 | .34 |
| 15:25 | 3.7 | 238.2 | .28 | 3.7 | 239.8 | .26 | 3.7 | 240.2 | .20 |
| 15:30 | 4.3 | 246.2 | .08 | 4.2 | 242.9 | .11 | 4.1 | 240.0 | .13 |
| 15:35 | 4.3 | 234.1 | .12 | 4.3 | 230.4 | .10 | 4.2 | 225.3 | -.03 |
| 15:40 | 4.8 | 218.9 | -.31 | 4.9 | 219.9 | -.27 | 4.8 | 218.7 | -.16 |
| 15:45 | 3.6 | 222.3 | .34 | 3.6 | 222.0 | .37 | 3.6 | 221.2 | .41 |
| 15:50 | 2.8 | 231.8 | .14 | 3.1 | 235.9 | .11 | 3.2 | 233.6 | .15 |
| 15:55 | 4.1 | 209.4 | .08 | 3.9 | 209.5 | -.05 | 3.8 | 209.7 | -.14 |
| 16:00 | 4.1 | 206.9 | .19 | 4.3 | 208.4 | .14 | 4.6 | 208.7 | .08 |
| 16:05 | 4.6 | 197.0 | .25 | 4.6 | 197.6 | .31 | 4.6 | 199.8 | .31 |
| 16:10 | 4.1 | 202.5 | .51 | 4.1 | 203.1 | .47 | 4.2 | 206.8 | .39 |
| 16:15 | 3.9 | 221.8 | -.44 | 4.0 | 224.6 | -.55 | 4.1 | 223.5 | -.64 |
| 16:20 | 4.4 | 232.0 | -.21 | 4.5 | 231.6 | -.34 | 4.6 | 232.0 | -.50 |
| 16:25 | 5.2 | 225.1 | -.11 | 5.1 | 222.9 | -.23 | 5.1 | 224.1 | -.39 |
| 16:30 | | | | | | | | | |
| 16:35 | 3.8 | 198.1 | -.16 | 3.6 | 199.1 | -.27 | 3.5 | 200.9 | -.38 |
| 16:40 | 4.4 | 200.6 | -.15 | 4.6 | 200.1 | -.14 | 4.7 | 199.3 | -.12 |
| 16:45 | 3.8 | 211.0 | -.58 | 4.0 | 208.5 | -.54 | 4.3 | 206.0 | -.39 |
| 16:50 | 4.6 | 219.4 | .04 | 4.7 | 220.6 | .07 | 4.8 | 221.0 | .14 |
| 16:55 | 4.1 | 218.3 | .41 | 4.0 | 217.7 | .40 | 3.9 | 217.6 | .42 |
| 17:00 | 3.2 | 188.1 | -.62 | 3.2 | 193.6 | -.54 | 3.2 | 197.9 | -.44 |
| 17:05 | 3.0 | 190.7 | .36 | 2.9 | 190.9 | .36 | 2.8 | 191.0 | .29 |
| 17:10 | 2.9 | 174.4 | .31 | 2.8 | 171.6 | .28 | 2.7 | 171.1 | .34 |
| 17:15 | 3.6 | 188.3 | .03 | 3.8 | 189.2 | .04 | 4.1 | 191.3 | .05 |
| 17:20 | 4.3 | 191.6 | .01 | 4.1 | 192.2 | .03 | 4.1 | 194.8 | .06 |
| 17:25 | 4.0 | 224.6 | -.40 | 4.3 | 225.8 | -.44 | 4.4 | 226.9 | -.51 |
| 17:30 | 4.1 | 219.5 | -.11 | 4.3 | 220.9 | -.11 | 4.5 | 221.5 | -.15 |
| 17:35 | 3.1 | 208.8 | -.08 | 3.4 | 215.2 | -.16 | 3.4 | 221.5 | -.29 |
| 17:40 | 2.2 | 224.1 | -.27 | 2.5 | 223.6 | -.32 | 2.8 | 226.1 | -.24 |
| 17:45 | 2.1 | 224.4 | .17 | 2.4 | 228.2 | .16 | 2.6 | 230.2 | .09 |
| 17:50 | 3.3 | 234.4 | .30 | 3.5 | 233.9 | .25 | 3.8 | 232.6 | .08 |
| 17:55 | 3.2 | 238.6 | -.07 | 3.3 | 237.9 | -.15 | 3.5 | 238.6 | -.18 |
| 18:00 | 3.8 | 243.6 | .08 | 3.9 | 241.5 | .06 | 4.0 | 240.8 | .06 |
| 18:05 | 4.1 | 240.6 | -.09 | 4.3 | 238.0 | -.02 | 4.4 | 236.1 | .03 |
| 18:10 | 3.6 | 238.3 | -.03 | 4.0 | 237.0 | -.02 | 4.3 | 235.7 | -.05 |

| | 21_WS140m | 22_WD140m | 23_VWS140m | 24_WS160m | 25_WD160m | 26_VWS160m | 27_WS180m | 28_WD180m | 29_VWS180m |
|-------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH | M/SEC | DEGC | MPH |
| 18:15 | 3.8 | 226.6 | .06 | 4.0 | 227.9 | .05 | 4.2 | 227.6 | .04 |
| 18:20 | 3.5 | 234.3 | .66 | 3.6 | 234.3 | .66 | 3.7 | 232.6 | .63 |
| 18:25 | 2.7 | 231.2 | .37 | 3.1 | 231.8 | .33 | 3.4 | 229.4 | .34 |
| 18:30 | 3.1 | 267.5 | -.04 | 3.2 | 263.6 | -.07 | 3.2 | 260.0 | -.02 |
| 18:35 | 2.1 | 250.7 | .05 | 2.1 | 244.3 | .00 | 2.2 | 236.3 | .00 |
| 18:40 | 3.0 | 242.0 | .18 | 3.0 | 237.8 | .15 | 3.0 | 235.3 | .12 |
| 18:45 | 2.6 | 241.9 | -.04 | 2.7 | 234.5 | -.02 | 2.8 | 230.9 | -.05 |
| 18:50 | 2.4 | 232.4 | -.17 | 2.7 | 225.9 | -.22 | 3.0 | 222.2 | -.26 |
| 18:55 | 2.4 | 221.4 | -.11 | 2.8 | 215.3 | -.15 | 3.0 | 216.4 | -.17 |
| 19:00 | 2.3 | 224.4 | -.14 | 2.6 | 218.8 | -.21 | 3.0 | 218.1 | -.23 |
| 19:05 | 1.3 | 225.1 | -.09 | 2.0 | 219.5 | -.09 | 2.4 | 216.5 | -.12 |
| 19:10 | 1.1 | 268.4 | -.17 | 1.2 | 252.3 | -.16 | 1.6 | 238.1 | -.21 |
| 19:15 | .9 | 290.0 | -.02 | .9 | 278.3 | -.03 | 1.0 | 266.4 | -.01 |
| 19:20 | .6 | 314.6 | -.02 | .8 | 292.6 | .07 | 1.0 | 267.2 | .14 |
| 19:25 | 1.7 | 227.2 | .10 | 2.3 | 233.7 | .12 | 2.7 | 236.8 | .12 |
| 19:30 | 2.0 | 216.4 | -.13 | 2.5 | 225.6 | -.14 | 3.0 | 233.3 | -.16 |
| 19:35 | .9 | 235.8 | -.23 | 1.3 | 235.3 | -.26 | 2.0 | 237.2 | -.26 |
| 19:40 | .4 | 292.8 | -.27 | .3 | 258.3 | -.27 | .6 | 242.6 | -.22 |
| 19:45 | .5 | 278.1 | .11 | .5 | 271.8 | .12 | .8 | 257.1 | .11 |
| 19:50 | .6 | 222.9 | .10 | 1.0 | 230.3 | .15 | 1.6 | 235.2 | .16 |
| 19:55 | .4 | 357.8 | -.04 | .4 | 293.4 | -.04 | .8 | 258.7 | -.05 |
| 20:00 | .9 | 38.7 | .06 | .4 | 34.6 | .03 | .4 | 257.5 | -.03 |
| 20:05 | 1.2 | 42.9 | .05 | .8 | 51.6 | .06 | .3 | 34.8 | .03 |
| 20:10 | 1.0 | 32.0 | .06 | .7 | 29.8 | .07 | .4 | 337.4 | .07 |
| 20:15 | .9 | 28.3 | .01 | .6 | .2 | .03 | .5 | 313.5 | .03 |
| 20:20 | .4 | 2.2 | -.01 | .4 | 293.6 | -.01 | .6 | 275.9 | .01 |
| 20:25 | .4 | 90.1 | -.04 | .2 | 147.4 | -.05 | .3 | 214.0 | -.04 |
| 20:30 | .5 | 54.0 | .06 | .5 | 74.5 | .02 | .4 | 118.6 | -.02 |
| 20:35 | .7 | 52.4 | .15 | .6 | 75.2 | .16 | .5 | 115.0 | .15 |
| 20:40 | .5 | 77.9 | .08 | .3 | 135.4 | .21 | .3 | 221.4 | .22 |
| 20:45 | .5 | 147.1 | -.02 | .6 | 171.0 | -.02 | .7 | 198.3 | -.05 |
| 20:50 | .2 | 132.9 | -.03 | .4 | 185.5 | .03 | .6 | 201.6 | .03 |
| 20:55 | .5 | 164.8 | .04 | .8 | 181.1 | .08 | 1.0 | 192.3 | .10 |
| 21:00 | .6 | 195.5 | .02 | 1.0 | 205.1 | .05 | 1.5 | 205.5 | .06 |
| 21:05 | .4 | 222.3 | -.08 | .9 | 212.0 | -.07 | 1.4 | 207.2 | -.07 |
| 21:10 | .3 | 221.3 | -.01 | .8 | 204.1 | -.02 | 1.3 | 202.2 | -.01 |
| 21:15 | .9 | 199.1 | .02 | 1.4 | 196.6 | .03 | 1.9 | 199.0 | .03 |
| 21:20 | 1.1 | 195.7 | .00 | 1.6 | 195.6 | .03 | 2.1 | 199.1 | .03 |
| 21:25 | 1.4 | 199.0 | -.01 | 1.9 | 200.2 | .02 | 2.6 | 200.3 | .03 |
| 21:30 | 1.8 | 209.9 | .07 | 2.4 | 207.3 | .09 | 2.9 | 206.5 | .10 |
| 21:35 | 1.9 | 210.8 | .03 | 2.5 | 209.1 | .04 | 3.0 | 207.8 | .06 |
| 21:40 | 2.0 | 214.5 | -.01 | 2.6 | 212.6 | .03 | 3.1 | 211.3 | .03 |
| 21:45 | 2.5 | 215.2 | .00 | 3.0 | 212.9 | .00 | 3.4 | 211.8 | .03 |
| 21:50 | 2.7 | 211.0 | .03 | 3.1 | 211.1 | .05 | 3.7 | 210.2 | .05 |
| 21:55 | 2.7 | 208.0 | .09 | 3.3 | 208.1 | .09 | 3.8 | 207.3 | .11 |
| 22:00 | 2.5 | 205.7 | .07 | 2.9 | 207.9 | .10 | 3.4 | 205.2 | .10 |
| 22:05 | 2.2 | 206.4 | .05 | 2.7 | 205.9 | .06 | 3.1 | 202.1 | .05 |
| 22:10 | 2.3 | 210.6 | .07 | 2.8 | 206.9 | .07 | 3.2 | 203.0 | .05 |
| 22:15 | 2.0 | 212.1 | .03 | 2.4 | 208.2 | .03 | 2.9 | 203.5 | .02 |
| 22:20 | 1.8 | 211.8 | .06 | 2.4 | 206.3 | .04 | 3.1 | 203.6 | .07 |
| 22:25 | 1.5 | 220.7 | -.07 | 2.0 | 213.1 | -.06 | 2.7 | 207.1 | -.01 |
| 22:30 | 1.3 | 236.8 | .03 | 1.8 | 222.4 | .03 | 2.6 | 214.4 | .02 |
| 22:35 | 1.4 | 256.8 | .13 | 1.8 | 240.6 | .12 | 2.3 | 230.5 | .14 |
| 22:40 | 1.1 | 268.5 | .10 | 1.5 | 250.1 | .10 | 1.9 | 235.4 | .10 |
| 22:45 | 1.0 | 284.7 | .08 | 1.4 | 257.4 | .08 | 1.8 | 242.1 | .07 |
| 22:50 | 1.3 | 303.3 | .00 | 1.5 | 277.4 | .01 | 1.9 | 255.8 | -.01 |

Daily Summary Report

Site: Lidar "Q" (PAM35)

7/21/2022

Interval: 005m

| | 29_WS200m | 30_WD200m | 32_VWS200m | 33_WS220m | 34_WD220m | 36_WS240m | 37_WD240m | 38_VWS240m | 39_WS260m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | M/SEC | DEG | MPH | M/SEC |
| 00:00 | 10.0 | 227.5 | -.07 | 10.4 | 226.6 | 10.8 | 225.8 | -.10 | 11.2 |
| 00:05 | 8.4 | 225.8 | .03 | 9.0 | 224.6 | 9.7 | 222.9 | .00 | 10.3 |
| 00:10 | 7.8 | 222.8 | -.01 | 8.1 | 223.1 | 8.4 | 222.2 | .06 | 8.9 |
| 00:15 | 8.6 | 223.6 | .01 | 9.0 | 221.4 | 9.4 | 220.8 | .14 | 10.0 |
| 00:20 | 8.9 | 223.6 | -.01 | 9.4 | 223.9 | 10.0 | 223.5 | -.10 | 10.4 |
| 00:25 | 9.0 | 225.5 | .01 | 9.3 | 223.9 | 9.8 | 223.7 | .06 | 10.3 |
| 00:30 | 9.4 | 225.6 | -.18 | 10.0 | 224.5 | 10.5 | 224.1 | -.24 | 11.1 |
| 00:35 | 9.3 | 220.5 | .02 | 9.7 | 222.2 | 10.4 | 222.5 | .09 | 11.0 |
| 00:40 | 9.1 | 225.5 | -.06 | 9.8 | 224.3 | 10.3 | 224.1 | -.12 | 10.9 |
| 00:45 | 9.4 | 222.8 | .00 | 9.9 | 222.7 | 10.6 | 222.5 | .08 | 11.2 |
| 00:50 | 8.9 | 219.8 | .09 | 9.4 | 219.8 | 10.1 | 219.5 | .14 | 10.6 |
| 00:55 | 8.9 | 223.5 | .11 | 9.3 | 223.0 | 9.8 | 223.0 | .14 | 10.1 |
| 01:00 | 9.7 | 216.8 | .10 | 9.9 | 218.8 | 10.3 | 219.8 | .02 | 10.7 |
| 01:05 | 10.4 | 219.7 | .09 | 10.7 | 220.1 | 11.1 | 221.0 | .02 | 11.5 |
| 01:10 | 10.4 | 216.3 | .00 | 10.9 | 216.8 | 11.3 | 217.6 | -.05 | 11.8 |
| 01:15 | 9.6 | 216.4 | -.01 | 10.0 | 215.5 | 10.4 | 215.3 | -.02 | 10.9 |
| 01:20 | 8.3 | 216.7 | .10 | 8.8 | 216.9 | 9.1 | 216.9 | .06 | 9.7 |
| 01:25 | 7.7 | 223.4 | .12 | 8.4 | 222.6 | 8.9 | 221.5 | .09 | 9.6 |
| 01:30 | 8.6 | 223.1 | -.02 | 9.1 | 222.8 | 9.7 | 222.3 | -.09 | 10.3 |
| 01:35 | 8.3 | 223.8 | -.06 | 9.1 | 224.3 | 9.4 | 223.7 | -.12 | 10.1 |
| 01:40 | 7.8 | 224.5 | -.06 | 8.6 | 225.5 | 9.4 | 225.3 | -.10 | 10.0 |
| 01:45 | 8.3 | 220.4 | -.04 | 8.9 | 220.6 | 9.3 | 219.8 | .00 | 9.9 |
| 01:50 | 8.6 | 214.4 | .03 | 9.3 | 214.3 | 9.7 | 214.6 | .06 | 10.2 |
| 01:55 | 8.4 | 213.1 | -.10 | 8.8 | 213.1 | 9.2 | 213.6 | -.11 | 9.7 |
| 02:00 | 7.7 | 214.1 | .03 | 8.3 | 215.7 | 8.8 | 215.8 | .02 | 9.2 |
| 02:05 | 7.9 | 215.8 | -.12 | 8.6 | 214.9 | 9.4 | 215.6 | -.12 | 10.0 |
| 02:10 | 8.6 | 215.9 | -.19 | 9.2 | 214.3 | 9.7 | 214.0 | -.18 | 10.1 |
| 02:15 | 7.9 | 218.9 | -.08 | 8.5 | 218.9 | 9.1 | 218.4 | -.12 | 9.7 |
| 02:20 | 6.8 | 220.9 | -.27 | 7.4 | 220.3 | 8.0 | 219.8 | -.22 | 8.6 |
| 02:25 | 7.2 | 230.6 | .11 | 7.5 | 229.1 | 7.8 | 227.4 | .12 | 8.3 |
| 02:30 | 7.2 | 227.2 | .16 | 7.5 | 225.5 | 8.0 | 224.7 | .15 | 8.5 |
| 02:35 | 7.3 | 229.9 | .15 | 7.7 | 228.9 | 8.1 | 228.4 | .11 | 8.6 |
| 02:40 | 7.5 | 227.9 | .20 | 8.0 | 229.0 | 8.5 | 228.8 | .20 | 9.1 |
| 02:45 | 7.7 | 227.4 | .02 | 8.2 | 227.9 | 8.7 | 227.7 | .04 | 9.3 |
| 02:50 | 8.1 | 222.6 | -.04 | 8.5 | 223.7 | 9.2 | 224.3 | -.08 | 9.8 |
| 02:55 | 7.5 | 223.9 | -.21 | 8.0 | 223.3 | 8.5 | 223.5 | -.22 | 9.0 |
| 03:00 | 7.8 | 222.3 | -.30 | 8.4 | 224.4 | 9.0 | 224.5 | -.28 | 9.5 |
| 03:05 | 8.2 | 220.6 | -.19 | 8.7 | 221.6 | 9.1 | 222.4 | -.22 | 9.5 |
| 03:10 | 8.5 | 218.2 | -.16 | 9.0 | 219.2 | 9.5 | 219.7 | -.22 | 10.0 |
| 03:15 | 8.8 | 217.9 | -.05 | 9.4 | 218.4 | 9.9 | 219.1 | -.12 | 10.3 |
| 03:20 | 8.7 | 214.5 | -.17 | 9.2 | 215.6 | 9.6 | 216.9 | -.16 | 10.0 |
| 03:25 | 7.3 | 210.1 | -.19 | 7.9 | 213.4 | 8.6 | 214.0 | -.18 | 9.2 |
| 03:30 | 7.5 | 212.0 | -.32 | 8.1 | 214.1 | 8.5 | 215.2 | -.33 | 8.9 |
| 03:35 | 7.3 | 209.2 | -.26 | 7.8 | 209.5 | 8.3 | 210.5 | -.29 | 8.7 |
| 03:40 | 7.2 | 207.7 | -.31 | 7.6 | 209.6 | 8.0 | 211.5 | -.37 | 8.4 |
| 03:45 | 6.8 | 207.3 | -.31 | 7.4 | 208.3 | 7.8 | 209.8 | -.37 | 8.3 |
| 03:50 | 6.2 | 211.4 | -.27 | 6.9 | 211.5 | 7.5 | 213.3 | -.30 | 8.0 |
| 03:55 | 6.1 | 215.4 | -.10 | 6.7 | 213.7 | 7.2 | 213.8 | -.20 | 7.7 |
| 04:00 | 5.8 | 214.8 | -.11 | 6.4 | 214.1 | 7.0 | 213.9 | -.14 | 7.8 |
| 04:05 | 6.4 | 212.6 | -.21 | 6.9 | 213.5 | 7.5 | 212.6 | -.20 | 8.0 |
| 04:10 | 6.3 | 209.7 | -.15 | 6.8 | 210.8 | 7.3 | 211.4 | -.25 | 7.8 |

| | 29_WS200m | 30_WD200m | 32_VWS200m | 33_WS220m | 34_WD220m | 36_WS240m | 37_WD240m | 38_VWS240m | 39_WS260m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | M/SEC | DEG | MPH | M/SEC |
| 04:15 | 6.3 | 210.9 | -.27 | 6.8 | 211.4 | 7.4 | 212.3 | -.22 | 8.0 |
| 04:20 | 6.9 | 213.5 | -.22 | 7.4 | 213.6 | 8.0 | 213.2 | -.23 | 8.5 |
| 04:25 | 7.4 | 217.1 | -.05 | 7.9 | 217.8 | 8.4 | 218.5 | -.02 | 9.0 |
| 04:30 | 7.7 | 223.0 | .01 | 8.3 | 223.3 | 8.7 | 223.6 | .02 | 9.2 |
| 04:35 | 8.4 | 221.6 | .09 | 8.9 | 221.9 | 9.3 | 222.0 | .17 | 9.8 |
| 04:40 | 9.8 | 219.8 | -.11 | 10.3 | 220.7 | 10.7 | 221.5 | -.13 | 11.1 |
| 04:45 | 13.7 | 293.2 | .10 | 13.7 | 291.9 | 14.4 | 291.4 | -.01 | 15.1 |
| 04:50 | 18.1 | 317.2 | .87 | 17.9 | 320.6 | 18.1 | 320.8 | 1.06 | 17.7 |
| 04:55 | | | | | | | | | |
| 05:00 | | | | | | | | | |
| 05:05 | | | 3.81 | | | | | 4.17 | |
| 05:10 | | | | | | | | | |
| 05:15 | | | | | | | | | |
| 05:20 | | | 1.34 | | | | | 2.24 | |
| 05:25 | 8.4 | 40.0 | 2.96 | 9.3 | 36.4 | | | 2.93 | |
| 05:30 | | | | | | | | | |
| 05:35 | | | | | | | | | |
| 05:40 | | | | | | | | | |
| 05:45 | | | | | | | | | |
| 05:50 | | | | | | | | | |
| 05:55 | | | 2.26 | | | | | 2.43 | 10.9 |
| 06:00 | 11.3 | 270.8 | 2.63 | 11.0 | 270.9 | 11.9 | 273.3 | 2.46 | 11.1 |
| 06:05 | | | 4.79 | | | | | 5.11 | |
| 06:10 | | | | | | | | | |
| 06:15 | | | | | | | | | |
| 06:20 | 2.1 | 239.9 | 3.31 | | | | | | |
| 06:25 | | | 2.66 | 1.8 | 206.9 | | | | |
| 06:30 | | | | | | | | | |
| 06:35 | | | | | | | | | |
| 06:40 | | | | | | | | | |
| 06:45 | | | 3.43 | | | | | | |
| 06:50 | | | | | | | | | |
| 06:55 | 5.0 | 180.2 | -.17 | 5.0 | 171.7 | 5.4 | 175.8 | -.70 | 5.8 |
| 07:00 | 10.3 | 269.4 | .62 | 10.3 | 270.0 | 10.2 | 268.6 | .09 | 9.9 |
| 07:05 | 6.7 | 283.6 | 5.90 | 8.3 | 283.7 | | | 4.92 | 9.8 |
| 07:10 | 3.8 | 216.0 | 1.02 | 4.5 | 212.2 | | | -.21 | |
| 07:15 | | | 3.73 | | | | | 4.31 | |
| 07:20 | | | 2.22 | | | 4.0 | 145.1 | 2.43 | |
| 07:25 | 4.3 | 176.7 | 2.90 | 4.2 | 183.4 | | | 2.75 | |
| 07:30 | 5.4 | 177.2 | 1.86 | | | | | | |
| 07:35 | 5.8 | 161.2 | | | | | | | |
| 07:40 | 6.5 | 173.1 | .33 | | | | | 1.30 | |
| 07:45 | 7.4 | 176.1 | 2.52 | | | | | | |
| 07:50 | | | 4.10 | | | | | | |
| 07:55 | 7.0 | 173.1 | 3.91 | 6.8 | 172.5 | 7.3 | 165.6 | 4.12 | |
| 08:00 | 7.4 | 165.1 | 1.40 | | | | | .75 | |
| 08:05 | 5.0 | 193.8 | -.15 | 5.5 | 189.9 | 5.9 | 188.9 | -.19 | 6.5 |
| 08:10 | 4.4 | 176.7 | -.35 | 4.9 | 176.1 | 5.5 | 174.8 | -.42 | 6.0 |
| 08:15 | 5.5 | 163.6 | -.11 | 6.1 | 165.3 | 5.9 | 164.3 | .12 | 6.5 |
| 08:20 | 7.7 | 154.8 | | | | | | -.26 | |
| 08:25 | 7.3 | 154.0 | | | | | | | |
| 08:30 | | | | | | | | | |
| 08:35 | | | | | | | | | |
| 08:40 | 6.4 | 154.3 | | | | | | | |
| 08:45 | | | | | | | | | |
| 08:50 | 4.2 | 197.0 | | 4.0 | 192.5 | | | | |

| | 29_WS200m | 30_WD200m | 32_VWS200m | 33_WS220m | 34_WD220m | 36_WS240m | 37_WD240m | 38_VWS240m | 39_WS260m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | M/SEC | DEG | MPH | M/SEC |
| 08:55 | 3.5 | 206.0 | | 3.8 | 201.7 | 4.2 | 196.1 | | |
| 09:00 | 3.2 | 224.6 | .90 | 3.7 | 221.1 | 4.4 | 215.8 | | |
| 09:05 | 3.1 | 241.7 | -.40 | 2.9 | 238.5 | 3.2 | 227.3 | -.04 | 4.1 |
| 09:10 | 2.8 | 242.7 | | 3.0 | 227.2 | 2.6 | 224.3 | | 3.1 |
| 09:15 | 3.5 | 235.0 | 1.13 | 3.7 | 229.4 | 3.9 | 224.8 | .06 | 3.7 |
| 09:20 | 3.8 | 255.1 | .92 | 3.8 | 254.1 | 3.7 | 243.7 | .06 | 4.0 |
| 09:25 | 4.0 | 248.8 | -.29 | 4.1 | 244.6 | 4.3 | 244.2 | .10 | 4.4 |
| 09:30 | 3.6 | 258.3 | -.31 | 3.5 | 256.5 | 3.6 | 250.7 | -.04 | 3.7 |
| 09:35 | 2.9 | 270.8 | .03 | 3.1 | 266.2 | 3.3 | 262.9 | -.18 | 3.5 |
| 09:40 | 2.7 | 272.0 | .07 | 3.0 | 270.6 | 3.3 | 271.7 | -.01 | 3.7 |
| 09:45 | 2.5 | 279.0 | -.14 | 2.8 | 274.7 | 3.2 | 268.4 | -.29 | 3.2 |
| 09:50 | 2.5 | 265.6 | .14 | 2.9 | 263.4 | 3.1 | 260.9 | -.14 | 3.4 |
| 09:55 | 3.1 | 278.7 | .02 | 3.2 | 277.5 | 3.3 | 274.5 | 1.26 | 3.3 |
| 10:00 | 3.0 | 277.9 | -.15 | 3.0 | 273.4 | 3.0 | 267.1 | -.18 | 3.0 |
| 10:05 | 2.7 | 270.1 | -.16 | 2.5 | 268.7 | 2.8 | 264.7 | -.25 | 3.2 |
| 10:10 | 2.4 | 268.7 | -.44 | 2.7 | 261.4 | 3.0 | 256.5 | -.50 | 3.0 |
| 10:15 | 3.0 | 253.8 | -.13 | 3.4 | 256.0 | 3.6 | 255.1 | -.30 | 3.6 |
| 10:20 | 3.5 | 257.5 | -.05 | 3.8 | 258.5 | 4.2 | 260.1 | -.02 | 4.5 |
| 10:25 | 4.3 | 265.6 | .18 | 4.4 | 265.9 | 4.5 | 264.0 | .08 | 4.7 |
| 10:30 | 4.1 | 258.6 | .18 | 4.3 | 259.3 | 4.4 | 260.8 | .11 | 4.4 |
| 10:35 | 4.0 | 271.4 | .35 | 4.1 | 267.6 | 4.3 | 264.1 | .33 | 4.4 |
| 10:40 | 3.1 | 261.6 | .11 | 3.2 | 260.0 | 3.2 | 256.0 | .14 | 3.2 |
| 10:45 | 2.9 | 266.9 | -.23 | 2.8 | 263.7 | 2.8 | 260.9 | -.22 | 3.0 |
| 10:50 | 3.1 | 275.1 | -.10 | 3.2 | 274.5 | 3.1 | 271.0 | -.05 | 3.2 |
| 10:55 | 3.6 | 254.2 | .05 | 3.6 | 251.7 | 3.5 | 249.7 | .06 | 3.3 |
| 11:00 | 3.5 | 250.1 | .27 | 3.6 | 248.1 | 3.6 | 248.5 | .25 | 3.6 |
| 11:05 | 3.6 | 245.5 | .40 | 3.7 | 248.2 | 3.8 | 251.2 | .46 | 3.9 |
| 11:10 | 2.6 | 239.9 | -.44 | 2.6 | 236.3 | 2.6 | 232.1 | -.34 | 2.5 |
| 11:15 | 2.7 | 229.1 | -1.04 | 2.7 | 231.9 | 2.8 | 230.1 | -.91 | 2.9 |
| 11:20 | 3.1 | 239.5 | -.06 | 3.2 | 239.4 | 3.4 | 239.2 | -.09 | 3.3 |
| 11:25 | 4.1 | 228.0 | .17 | 4.2 | 228.8 | 4.2 | 229.9 | .12 | 4.3 |
| 11:30 | 3.6 | 227.1 | .12 | 3.8 | 227.5 | 3.9 | 224.7 | .13 | 4.1 |
| 11:35 | 3.9 | 230.1 | .01 | 4.0 | 228.5 | 4.1 | 226.2 | .02 | 4.0 |
| 11:40 | 3.3 | 227.2 | .36 | 3.3 | 224.0 | 3.2 | 223.2 | .29 | 3.3 |
| 11:45 | 3.7 | 233.3 | .23 | 3.5 | 233.3 | 3.4 | 233.2 | .25 | 3.3 |
| 11:50 | 4.0 | 229.7 | .25 | 4.1 | 226.7 | 4.0 | 225.1 | .31 | 4.2 |
| 11:55 | 3.7 | 223.3 | .33 | 3.9 | 221.7 | 4.0 | 219.9 | .30 | 3.9 |
| 12:00 | 3.9 | 227.4 | .05 | 4.1 | 226.4 | 4.1 | 222.9 | .02 | 4.2 |
| 12:05 | 3.4 | 230.8 | .17 | 3.4 | 228.8 | 3.4 | 224.9 | .24 | 3.4 |
| 12:10 | 3.1 | 232.0 | .13 | 3.2 | 227.9 | 3.3 | 224.8 | .22 | 3.2 |
| 12:15 | 3.1 | 238.6 | .05 | 3.3 | 235.4 | 3.3 | 233.3 | .03 | 3.2 |
| 12:20 | 3.2 | 209.8 | -.04 | 3.4 | 209.0 | 3.4 | 210.1 | -.12 | 3.2 |
| 12:25 | 3.6 | 242.1 | -.39 | 3.5 | 239.6 | 3.4 | 237.6 | -.25 | 3.2 |
| 12:30 | 4.0 | 241.6 | .01 | 3.9 | 239.3 | 3.7 | 237.4 | -.03 | 4.0 |
| 12:35 | 4.0 | 239.9 | -.46 | 4.0 | 242.5 | 4.0 | 244.6 | -.43 | 3.7 |
| 12:40 | 6.0 | 242.4 | .37 | 6.2 | 242.8 | 6.1 | 245.5 | .44 | 6.2 |
| 12:45 | 4.1 | 231.6 | .01 | 4.1 | 230.3 | 4.1 | 232.3 | -.16 | 3.9 |
| 12:50 | 4.8 | 253.0 | -.13 | 4.8 | 254.3 | 4.9 | 253.8 | -.11 | 4.3 |
| 12:55 | 6.8 | 234.8 | .46 | 6.7 | 234.2 | 6.7 | 234.8 | .44 | 5.9 |
| 13:00 | 6.9 | 227.6 | .37 | 6.7 | 228.2 | 6.5 | 226.6 | .37 | 6.4 |
| 13:05 | 5.3 | 234.9 | .28 | 5.4 | 235.7 | 5.3 | 234.1 | .29 | 5.6 |
| 13:10 | 5.3 | 228.1 | .57 | 5.2 | 227.5 | 5.1 | 228.5 | .52 | 5.1 |
| 13:15 | 4.4 | 228.7 | .13 | 4.6 | 229.5 | 4.8 | 232.3 | .08 | 5.2 |
| 13:20 | 5.3 | 228.8 | .56 | 5.2 | 230.8 | 5.2 | 232.7 | .53 | 5.6 |
| 13:25 | 5.5 | 239.5 | .59 | 5.4 | 238.3 | 5.5 | 236.0 | .63 | 5.4 |
| 13:30 | 4.3 | 232.5 | .25 | 4.3 | 234.5 | 4.3 | 234.9 | .23 | 4.3 |

| | 29_WS200m | 30_WD200m | 32_VWS200m | 33_WS220m | 34_WD220m | 36_WS240m | 37_WD240m | 38_VWS240m | 39_WS260m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | M/SEC | DEG | MPH | M/SEC |
| 13:35 | 3.9 | 233.6 | .34 | 4.0 | 234.1 | 4.2 | 235.2 | .25 | 3.9 |
| 13:40 | 4.5 | 252.7 | -.04 | 4.5 | 251.8 | 4.5 | 247.9 | -.06 | 4.8 |
| 13:45 | 4.2 | 251.7 | -.04 | 4.1 | 250.5 | 3.9 | 248.0 | -.06 | 3.8 |
| 13:50 | 4.6 | 243.8 | .16 | 4.6 | 242.6 | 4.6 | 240.2 | .08 | 4.5 |
| 13:55 | 4.3 | 247.9 | .25 | 4.5 | 244.2 | 4.5 | 241.2 | .13 | 4.6 |
| 14:00 | 4.4 | 247.0 | .53 | 4.5 | 247.1 | 4.7 | 249.3 | .55 | 4.9 |
| 14:05 | 5.1 | 230.4 | .21 | 5.2 | 229.9 | 5.5 | 228.4 | .19 | 5.9 |
| 14:10 | 5.1 | 223.8 | .00 | 5.1 | 224.4 | 5.2 | 225.4 | .00 | 5.2 |
| 14:15 | 4.0 | 265.5 | .08 | 3.9 | 262.3 | 3.7 | 263.3 | .10 | 3.5 |
| 14:20 | 4.3 | 256.3 | -.08 | 4.2 | 254.1 | 4.1 | 252.6 | -.09 | 4.0 |
| 14:25 | 5.2 | 249.6 | -.34 | 5.1 | 247.8 | 5.0 | 245.9 | -.30 | 5.0 |
| 14:30 | 5.9 | 242.4 | -.33 | 5.8 | 241.8 | 5.8 | 241.9 | -.33 | 5.7 |
| 14:35 | 7.0 | 242.0 | .23 | 7.1 | 240.9 | 7.1 | 240.5 | .19 | 7.1 |
| 14:40 | 7.3 | 235.4 | .05 | 7.4 | 234.8 | 7.4 | 234.6 | .03 | 7.3 |
| 14:45 | 6.5 | 229.4 | .07 | 6.6 | 229.7 | 6.7 | 230.3 | .09 | 6.9 |
| 14:50 | 5.6 | 224.8 | .34 | 5.8 | 226.1 | 6.0 | 227.2 | .24 | 6.1 |
| 14:55 | 5.2 | 233.7 | -.20 | 5.3 | 233.7 | 5.5 | 233.4 | -.18 | 5.5 |
| 15:00 | 6.0 | 238.0 | .26 | 6.1 | 236.2 | 6.2 | 235.6 | .28 | 6.3 |
| 15:05 | 4.8 | 230.8 | -.09 | 4.7 | 228.5 | 4.5 | 227.2 | -.10 | 4.5 |
| 15:10 | 5.0 | 235.8 | -.20 | 4.9 | 233.1 | 5.0 | 233.9 | -.20 | 4.9 |
| 15:15 | 5.5 | 257.7 | -.46 | 5.2 | 257.2 | 4.8 | 256.5 | -.40 | 4.4 |
| 15:20 | 4.6 | 238.9 | .33 | 4.7 | 237.6 | 4.8 | 237.7 | .42 | 5.0 |
| 15:25 | 3.8 | 240.4 | .25 | 4.1 | 239.8 | 4.3 | 238.1 | .33 | 4.5 |
| 15:30 | 4.0 | 238.4 | .18 | 3.8 | 236.3 | 3.9 | 231.1 | .24 | 4.0 |
| 15:35 | 4.3 | 219.1 | -.08 | 4.5 | 212.8 | 4.8 | 210.1 | -.04 | 5.0 |
| 15:40 | 4.7 | 218.8 | -.02 | 4.9 | 220.2 | 4.9 | 219.6 | .09 | 5.1 |
| 15:45 | 3.7 | 222.6 | .48 | 3.7 | 223.1 | 3.8 | 220.6 | .47 | 3.9 |
| 15:50 | 3.0 | 237.9 | .12 | 3.2 | 239.9 | 3.2 | 238.5 | .08 | 3.1 |
| 15:55 | 3.8 | 204.2 | -.24 | 3.9 | 198.0 | 4.0 | 194.4 | -.27 | 4.2 |
| 16:00 | 4.8 | 208.5 | -.02 | 4.9 | 208.4 | 5.0 | 207.9 | -.10 | 5.0 |
| 16:05 | 4.5 | 202.8 | .32 | 4.5 | 204.5 | 4.6 | 204.3 | .34 | 4.7 |
| 16:10 | 4.4 | 209.2 | .35 | 4.6 | 212.2 | 4.7 | 216.4 | .29 | 4.8 |
| 16:15 | 4.2 | 219.3 | -.57 | 4.4 | 216.7 | 4.6 | 215.5 | -.54 | 4.5 |
| 16:20 | 4.8 | 233.6 | -.60 | 4.9 | 232.8 | 5.0 | 230.8 | -.67 | 5.3 |
| 16:25 | 5.2 | 225.9 | -.52 | 5.1 | 226.9 | 5.0 | 228.4 | -.66 | 5.0 |
| 16:30 | | | | | | | | | |
| 16:35 | 3.4 | 201.4 | -.59 | 3.3 | 201.7 | 3.3 | 200.8 | -.80 | 3.4 |
| 16:40 | 4.8 | 198.5 | -.13 | 5.0 | 197.8 | 5.1 | 198.0 | -.16 | 5.1 |
| 16:45 | 4.4 | 205.0 | -.30 | 4.5 | 203.6 | 4.5 | 201.8 | -.19 | 4.6 |
| 16:50 | 4.8 | 220.3 | .16 | 4.8 | 219.7 | 4.8 | 220.2 | .19 | 4.8 |
| 16:55 | 4.0 | 218.1 | .38 | 3.9 | 218.5 | 4.0 | 218.6 | .21 | 3.9 |
| 17:00 | 3.2 | 200.7 | -.38 | 3.1 | 204.8 | 3.1 | 207.9 | -.27 | 3.1 |
| 17:05 | 2.9 | 188.9 | .21 | 3.0 | 191.0 | 3.1 | 194.5 | .12 | 3.2 |
| 17:10 | 2.7 | 170.9 | .40 | 2.8 | 168.8 | 2.8 | 166.8 | .34 | 2.8 |
| 17:15 | 4.1 | 194.6 | .11 | 4.1 | 196.3 | 4.1 | 197.9 | .19 | 4.0 |
| 17:20 | 3.9 | 197.6 | .08 | 4.0 | 200.3 | 4.1 | 204.2 | .08 | 4.3 |
| 17:25 | 4.4 | 226.4 | -.55 | 4.5 | 225.3 | 4.7 | 224.6 | -.62 | 4.7 |
| 17:30 | 4.6 | 222.1 | -.21 | 4.6 | 222.0 | 4.5 | 222.3 | -.28 | 4.5 |
| 17:35 | 3.4 | 224.6 | -.47 | 3.4 | 228.3 | 3.4 | 230.3 | -.57 | 3.6 |
| 17:40 | 2.9 | 226.9 | -.19 | 3.2 | 228.0 | 3.4 | 230.6 | -.14 | 3.5 |
| 17:45 | 2.7 | 231.1 | -.02 | 2.8 | 230.3 | 3.0 | 228.4 | -.06 | 3.3 |
| 17:50 | 4.0 | 231.1 | -.04 | 4.1 | 230.3 | 4.0 | 227.6 | -.08 | 3.9 |
| 17:55 | 3.8 | 239.4 | -.14 | 4.0 | 241.2 | 4.1 | 241.7 | -.18 | 4.3 |
| 18:00 | 4.2 | 240.9 | .11 | 4.4 | 239.9 | 4.5 | 238.6 | .14 | 4.6 |
| 18:05 | 4.5 | 234.9 | .04 | 4.5 | 234.5 | 4.6 | 235.1 | .02 | 4.7 |
| 18:10 | 4.5 | 234.2 | -.06 | 4.6 | 233.3 | 4.6 | 233.0 | -.08 | 4.7 |

| | 29_WS200m | 30_WD200m | 32_VWS200m | 33_WS220m | 34_WD220m | 36_WS240m | 37_WD240m | 38_VWS240m | 39_WS260m |
|-------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|
| Time | M/SEC | DEGC | MPH | M/SEC | DEGC | M/SEC | DEG | MPH | M/SEC |
| 18:15 | 4.3 | 226.3 | .01 | 4.4 | 224.6 | 4.5 | 223.5 | -.06 | 4.5 |
| 18:20 | 4.0 | 231.1 | .61 | 4.1 | 229.9 | 4.0 | 227.7 | .59 | 4.0 |
| 18:25 | 3.5 | 229.5 | .30 | 3.7 | 228.2 | 3.9 | 226.0 | .23 | 4.0 |
| 18:30 | 3.4 | 255.9 | .00 | 3.4 | 253.2 | 3.5 | 251.3 | .03 | 3.7 |
| 18:35 | 2.3 | 228.7 | .00 | 2.6 | 224.4 | 2.7 | 220.9 | -.02 | 3.0 |
| 18:40 | 2.9 | 229.9 | .10 | 2.9 | 226.4 | 3.0 | 222.5 | .08 | 3.3 |
| 18:45 | 3.1 | 228.4 | -.09 | 3.3 | 223.0 | 3.5 | 220.1 | -.11 | 3.5 |
| 18:50 | 3.3 | 220.4 | -.30 | 3.6 | 220.4 | 3.7 | 221.6 | -.31 | 3.8 |
| 18:55 | 3.2 | 219.1 | -.19 | 3.4 | 221.0 | 3.6 | 222.2 | -.20 | 3.8 |
| 19:00 | 3.3 | 219.4 | -.23 | 3.6 | 220.0 | 3.7 | 222.1 | -.26 | 3.8 |
| 19:05 | 2.6 | 218.2 | -.12 | 2.7 | 222.1 | 2.8 | 225.8 | -.08 | 3.1 |
| 19:10 | 2.1 | 231.2 | -.29 | 2.3 | 226.8 | 2.6 | 227.3 | -.34 | 2.8 |
| 19:15 | 1.2 | 255.1 | .04 | 1.6 | 239.4 | 2.0 | 229.9 | -.01 | 2.4 |
| 19:20 | 1.4 | 245.0 | .14 | 1.9 | 233.0 | 2.2 | 236.4 | .14 | 2.4 |
| 19:25 | 3.3 | 240.3 | .08 | 3.6 | 242.6 | 3.7 | 243.8 | .05 | 3.7 |
| 19:30 | 3.3 | 236.7 | -.15 | 3.4 | 236.8 | 3.5 | 237.5 | -.16 | 3.5 |
| 19:35 | 2.7 | 238.2 | -.24 | 3.1 | 238.8 | 3.2 | 241.0 | -.24 | 3.3 |
| 19:40 | 1.1 | 230.9 | -.21 | 1.9 | 234.7 | 2.5 | 239.8 | -.31 | 2.7 |
| 19:45 | 1.3 | 245.9 | .11 | 1.9 | 244.1 | 2.5 | 245.5 | .14 | 3.1 |
| 19:50 | 2.2 | 239.0 | .16 | 2.8 | 240.1 | 3.1 | 239.3 | .14 | 3.2 |
| 19:55 | 1.3 | 254.0 | -.11 | 1.9 | 250.9 | 2.4 | 246.6 | -.12 | 2.7 |
| 20:00 | 1.1 | 259.9 | -.01 | 1.6 | 255.0 | 2.1 | 252.1 | -.03 | 2.4 |
| 20:05 | .4 | 290.5 | -.02 | .8 | 256.2 | 1.3 | 255.7 | -.03 | 1.8 |
| 20:10 | .5 | 288.6 | .09 | .9 | 265.7 | 1.4 | 261.1 | .11 | 1.9 |
| 20:15 | .7 | 280.5 | .10 | 1.3 | 275.8 | 1.7 | 268.5 | .15 | 2.1 |
| 20:20 | .9 | 257.7 | .04 | 1.3 | 254.8 | 1.7 | 254.3 | .05 | 2.1 |
| 20:25 | .6 | 215.0 | .05 | 1.0 | 231.8 | 1.5 | 236.5 | .07 | 2.1 |
| 20:30 | .5 | 148.1 | -.01 | .5 | 171.6 | .8 | 207.9 | -.07 | 1.6 |
| 20:35 | .7 | 161.1 | .15 | .9 | 181.9 | 1.2 | 199.0 | .20 | 1.6 |
| 20:40 | .6 | 226.3 | .23 | 1.0 | 216.0 | 1.3 | 220.6 | .20 | 1.8 |
| 20:45 | 1.2 | 203.5 | .00 | 1.5 | 203.9 | 1.8 | 210.2 | .01 | 2.2 |
| 20:50 | .9 | 210.1 | .04 | 1.2 | 210.0 | 1.7 | 215.6 | .03 | 2.2 |
| 20:55 | 1.4 | 197.9 | .08 | 1.9 | 203.0 | 2.3 | 203.3 | .08 | 2.5 |
| 21:00 | 2.0 | 202.1 | .05 | 2.3 | 202.8 | 2.6 | 206.0 | .05 | 2.7 |
| 21:05 | 1.9 | 203.0 | -.05 | 2.3 | 203.8 | 2.7 | 207.6 | -.05 | 2.9 |
| 21:10 | 1.8 | 202.4 | -.03 | 2.3 | 201.8 | 2.9 | 205.0 | -.05 | 3.4 |
| 21:15 | 2.4 | 199.3 | .03 | 2.9 | 201.1 | 3.4 | 204.5 | .04 | 3.8 |
| 21:20 | 2.8 | 200.3 | .02 | 3.4 | 200.2 | 3.8 | 200.4 | .03 | 3.9 |
| 21:25 | 3.2 | 198.9 | .05 | 3.7 | 198.9 | 4.0 | 200.7 | .09 | 4.2 |
| 21:30 | 3.4 | 206.2 | .10 | 3.7 | 206.3 | 3.9 | 206.9 | .12 | 4.2 |
| 21:35 | 3.3 | 207.2 | .06 | 3.7 | 208.5 | 4.0 | 208.5 | .06 | 4.3 |
| 21:40 | 3.6 | 211.5 | .03 | 4.0 | 210.6 | 4.3 | 211.0 | .02 | 4.2 |
| 21:45 | 3.8 | 211.0 | .03 | 4.3 | 211.6 | 4.3 | 214.2 | .02 | 4.3 |
| 21:50 | 4.2 | 209.2 | .09 | 4.3 | 211.0 | 4.2 | 214.4 | .01 | 4.3 |
| 21:55 | 4.2 | 206.0 | .18 | 4.4 | 205.9 | 4.5 | 208.1 | .14 | 4.5 |
| 22:00 | 3.9 | 203.3 | .12 | 4.2 | 206.7 | 4.4 | 211.0 | .13 | 4.4 |
| 22:05 | 3.5 | 200.3 | .03 | 3.8 | 204.8 | 4.1 | 209.2 | .06 | 4.2 |
| 22:10 | 3.6 | 204.5 | .08 | 3.9 | 208.2 | 4.1 | 212.7 | .09 | 4.2 |
| 22:15 | 3.4 | 202.2 | .03 | 3.7 | 203.9 | 3.9 | 207.2 | .02 | 4.0 |
| 22:20 | 3.4 | 204.3 | .04 | 3.6 | 207.6 | 3.7 | 212.8 | .06 | 3.7 |
| 22:25 | 3.2 | 207.6 | .02 | 3.3 | 212.1 | 3.3 | 218.4 | .02 | 3.4 |
| 22:30 | 3.0 | 216.3 | -.01 | 3.1 | 220.4 | 3.1 | 225.7 | .01 | 3.2 |
| 22:35 | 2.9 | 225.7 | .15 | 3.1 | 231.0 | 3.1 | 234.8 | .11 | 3.2 |
| 22:40 | 2.7 | 226.3 | .04 | 3.1 | 227.6 | 3.1 | 231.1 | .06 | 3.2 |
| 22:45 | 2.3 | 229.4 | .04 | 3.0 | 221.2 | 3.6 | 218.7 | -.02 | 3.4 |
| 22:50 | 2.3 | 239.4 | -.04 | 3.0 | 228.2 | 3.7 | 223.2 | -.04 | 2.8 |

Daily Summary Report

Site: Lidar "Q" (PAM35)

7/21/2022

Interval: 005m

| | 40_WD260m | 41_VWS260m | 42_WS280m | 43_WD280m | 44_VWS280m | 45_WS300m | 46_WD300m | 47_VWS300m | 48_WS320m |
|-------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|
| Time | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC |
| 00:00 | 225.4 | -.12 | 11.8 | 224.7 | -.16 | 12.4 | 223.7 | -.20 | 12.8 |
| 00:05 | 222.8 | .03 | 10.7 | 221.9 | .02 | 11.2 | 222.2 | -.04 | 11.7 |
| 00:10 | 222.0 | .11 | 9.4 | 223.1 | .12 | 10.1 | 223.2 | .14 | 10.5 |
| 00:15 | 220.7 | .16 | 10.6 | 221.8 | .11 | 11.2 | 220.8 | .14 | 11.8 |
| 00:20 | 223.9 | -.07 | 10.7 | 224.3 | -.15 | 11.0 | 223.8 | -.08 | 11.6 |
| 00:25 | 222.7 | .23 | 11.1 | 221.5 | .13 | 11.8 | 221.1 | .11 | 12.3 |
| 00:30 | 223.0 | -.13 | 11.6 | 222.6 | -.13 | 12.0 | 222.5 | -.19 | 12.5 |
| 00:35 | 221.6 | .11 | 11.6 | 221.5 | .05 | 12.3 | 222.0 | .14 | 12.8 |
| 00:40 | 223.3 | -.09 | 11.4 | 222.4 | -.07 | 12.0 | 221.9 | -.03 | 12.3 |
| 00:45 | 222.4 | .11 | 11.6 | 222.9 | .04 | 12.1 | 224.1 | -.06 | 12.7 |
| 00:50 | 220.5 | -.09 | 11.1 | 219.9 | -.13 | 11.5 | 219.6 | -.17 | 11.9 |
| 00:55 | 222.2 | .07 | 10.6 | 221.8 | -.06 | 10.9 | 222.8 | -.15 | 11.2 |
| 01:00 | 220.5 | -.01 | 11.0 | 220.8 | -.06 | 11.4 | 221.3 | -.08 | 11.9 |
| 01:05 | 220.9 | -.02 | 11.9 | 220.9 | -.11 | 12.4 | 220.8 | -.10 | 13.0 |
| 01:10 | 218.3 | -.04 | 12.1 | 218.6 | -.09 | 12.5 | 219.0 | -.07 | 13.0 |
| 01:15 | 215.4 | -.05 | 11.4 | 215.8 | -.13 | 11.8 | 215.8 | -.10 | 12.4 |
| 01:20 | 217.5 | -.04 | 10.2 | 217.4 | -.03 | 10.8 | 217.8 | .00 | 11.4 |
| 01:25 | 221.9 | .08 | 10.2 | 221.1 | .08 | 10.8 | 221.4 | .02 | 11.4 |
| 01:30 | 222.3 | .04 | 10.7 | 221.8 | .04 | 11.2 | 222.7 | .03 | 11.7 |
| 01:35 | 223.6 | -.05 | 10.5 | 223.0 | .03 | 11.0 | 223.2 | -.05 | 11.6 |
| 01:40 | 224.8 | -.22 | 10.5 | 225.1 | -.22 | 10.9 | 225.4 | -.12 | 11.5 |
| 01:45 | 220.6 | -.04 | 10.4 | 220.9 | -.11 | 11.0 | 220.7 | -.14 | 11.6 |
| 01:50 | 215.7 | -.02 | 10.7 | 215.9 | -.04 | 11.3 | 216.7 | -.01 | 11.9 |
| 01:55 | 214.0 | -.12 | 10.4 | 215.6 | -.14 | 11.2 | 216.5 | -.10 | 11.9 |
| 02:00 | 216.2 | .06 | 10.0 | 217.1 | -.01 | 11.0 | 217.5 | .01 | 11.8 |
| 02:05 | 216.1 | -.12 | 10.5 | 216.1 | -.20 | 11.4 | 217.1 | -.24 | 11.9 |
| 02:10 | 214.9 | -.13 | 10.6 | 216.2 | -.18 | 11.2 | 217.4 | -.25 | 11.7 |
| 02:15 | 218.3 | -.18 | 10.2 | 218.8 | -.15 | 10.5 | 219.0 | -.16 | 11.0 |
| 02:20 | 219.6 | -.13 | 9.0 | 219.1 | -.07 | 9.5 | 219.6 | -.12 | 10.1 |
| 02:25 | 225.6 | .23 | 8.7 | 224.9 | .20 | 9.2 | 224.3 | .15 | 9.8 |
| 02:30 | 225.1 | .08 | 9.1 | 225.8 | .10 | 9.5 | 226.3 | .08 | 10.0 |
| 02:35 | 228.1 | .20 | 9.2 | 229.0 | .19 | 9.8 | 229.0 | .18 | 10.3 |
| 02:40 | 228.1 | .22 | 9.7 | 228.5 | .23 | 10.2 | 229.2 | .17 | 10.7 |
| 02:45 | 227.5 | .08 | 10.0 | 227.3 | .15 | 10.4 | 227.6 | .16 | 10.8 |
| 02:50 | 225.3 | -.16 | 10.2 | 225.8 | -.11 | 10.6 | 226.5 | -.06 | 11.1 |
| 02:55 | 224.4 | -.20 | 9.7 | 225.4 | -.25 | 10.2 | 226.0 | -.31 | 10.7 |
| 03:00 | 224.6 | -.32 | 9.9 | 225.5 | -.34 | 10.2 | 226.0 | -.39 | 10.6 |
| 03:05 | 222.8 | -.30 | 9.9 | 223.7 | -.28 | 10.3 | 224.3 | -.33 | 10.6 |
| 03:10 | 220.2 | -.25 | 10.2 | 221.7 | -.23 | 10.6 | 222.5 | -.23 | 10.9 |
| 03:15 | 219.8 | -.17 | 10.6 | 220.5 | -.18 | 10.8 | 221.4 | -.18 | 11.1 |
| 03:20 | 217.6 | -.16 | 10.4 | 218.0 | -.18 | 10.8 | 218.9 | -.22 | 11.3 |
| 03:25 | 214.2 | -.29 | 9.9 | 215.5 | -.36 | 10.5 | 216.9 | -.33 | 10.8 |
| 03:30 | 215.5 | -.35 | 9.4 | 216.8 | -.34 | 9.7 | 218.1 | -.38 | 10.2 |
| 03:35 | 212.7 | -.24 | 9.1 | 214.1 | -.25 | 9.5 | 215.8 | -.29 | 10.0 |
| 03:40 | 213.0 | -.39 | 8.8 | 214.0 | -.37 | 9.2 | 216.0 | -.38 | 9.6 |
| 03:45 | 210.5 | -.42 | 8.6 | 211.7 | -.42 | 9.0 | 213.6 | -.38 | 9.3 |
| 03:50 | 213.8 | -.46 | 8.5 | 214.1 | -.49 | 9.0 | 214.1 | -.56 | 9.3 |
| 03:55 | 214.8 | -.33 | 8.1 | 215.2 | -.39 | 8.6 | 216.4 | -.40 | 8.9 |
| 04:00 | 214.7 | -.23 | 8.3 | 215.3 | -.31 | 8.7 | 215.1 | -.29 | 9.1 |
| 04:05 | 213.6 | -.32 | 8.6 | 214.3 | -.32 | 9.0 | 215.5 | -.31 | 9.4 |
| 04:10 | 211.4 | -.33 | 8.3 | 212.8 | -.37 | 8.8 | 213.5 | -.36 | 9.3 |

| | 40_WD260m | 41_VWS260m | 42_WS280m | 43_WD280m | 44_VWS280m | 45_WS300m | 46_WD300m | 47_VWS300m | 48_WS320m |
|-------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|
| Time | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC |
| 08:55 | | | | | | | | | |
| 09:00 | | | | | -23 | | | -52 | |
| 09:05 | 223.7 | | | | -75 | | | -31 | |
| 09:10 | 214.5 | | | | | | | | |
| 09:15 | 221.7 | .47 | | | | | | | |
| 09:20 | 236.7 | | | | | | | | |
| 09:25 | 241.0 | -.13 | 4.5 | 241.7 | -.38 | 4.2 | 242.4 | -.23 | 4.4 |
| 09:30 | 243.2 | -.03 | 4.0 | 236.7 | .23 | 4.1 | 235.0 | .14 | 4.3 |
| 09:35 | 256.7 | -.06 | 3.6 | 251.8 | .05 | 3.7 | 249.6 | .15 | 3.9 |
| 09:40 | 268.8 | -.18 | 3.7 | 261.5 | -.21 | 3.7 | 254.8 | -.04 | 3.7 |
| 09:45 | 260.0 | -.04 | 3.5 | 251.9 | .00 | 3.6 | 246.8 | .02 | 3.7 |
| 09:50 | 255.3 | -.22 | 3.7 | 254.4 | -.12 | 3.9 | 250.7 | -.11 | 3.9 |
| 09:55 | 272.9 | -.25 | 3.5 | 268.0 | -.28 | 3.6 | 265.1 | -.30 | 3.7 |
| 10:00 | 263.3 | -.21 | 3.3 | 257.5 | -.15 | 3.7 | 253.3 | -.01 | 3.9 |
| 10:05 | 261.4 | -.14 | 3.4 | 257.0 | -.07 | 3.6 | 256.7 | .05 | 3.8 |
| 10:10 | 252.6 | -.32 | 3.1 | 248.8 | -.37 | 3.3 | 246.9 | -.26 | 3.7 |
| 10:15 | 252.0 | -.18 | 4.0 | 253.9 | -.14 | 4.2 | 253.4 | -.19 | 4.3 |
| 10:20 | 260.0 | .01 | 4.7 | 261.3 | .06 | 4.7 | 259.6 | -.05 | 4.5 |
| 10:25 | 264.0 | .02 | 4.6 | 262.9 | -.21 | 4.3 | 260.8 | -.25 | 4.2 |
| 10:30 | 261.0 | .02 | 4.5 | 257.2 | -.10 | 4.5 | 254.5 | -.17 | 4.4 |
| 10:35 | 261.5 | .24 | 4.5 | 258.7 | .24 | 4.5 | 257.1 | .30 | 4.6 |
| 10:40 | 253.1 | .06 | 3.1 | 248.1 | .09 | 3.5 | 245.6 | .16 | 3.8 |
| 10:45 | 256.8 | -.14 | 3.3 | 253.0 | -.20 | 3.1 | 250.4 | -.29 | 3.1 |
| 10:50 | 265.4 | .01 | 3.2 | 257.5 | -.08 | 3.4 | 254.8 | -.01 | 3.8 |
| 10:55 | 249.6 | .15 | 3.4 | 245.1 | .06 | 3.3 | 242.4 | .01 | 3.7 |
| 11:00 | 245.1 | .11 | 3.8 | 243.4 | .06 | 3.7 | 243.9 | -.14 | |
| 11:05 | 249.7 | .34 | 4.1 | 249.7 | .34 | 4.0 | 246.5 | .04 | |
| 11:10 | 232.7 | -.12 | 2.9 | 230.3 | -.06 | 3.6 | 228.2 | -.39 | 4.6 |
| 11:15 | 221.1 | -.81 | 3.3 | 222.9 | -.59 | 3.9 | 218.0 | -.49 | 4.1 |
| 11:20 | 236.5 | -.10 | 3.3 | 233.0 | .00 | 3.4 | 230.7 | -.10 | 3.1 |
| 11:25 | 229.9 | .13 | 4.4 | 229.1 | .39 | 4.8 | 232.2 | .29 | |
| 11:30 | 219.8 | .02 | 4.2 | 215.2 | -.02 | 4.2 | 213.9 | .07 | 3.1 |
| 11:35 | 225.5 | .13 | 4.0 | 223.4 | .04 | 3.7 | 220.9 | .08 | |
| 11:40 | 221.8 | .26 | 3.2 | 221.7 | .17 | 3.3 | 221.6 | .10 | 3.8 |
| 11:45 | 228.1 | .23 | 3.7 | 225.8 | .12 | 3.6 | 223.1 | .12 | 3.9 |
| 11:50 | 223.3 | .28 | 3.8 | 222.6 | .03 | | | -.03 | |
| 11:55 | 219.8 | .42 | | | .26 | | | .14 | |
| 12:00 | 225.4 | -.03 | 4.2 | 217.1 | .01 | | | .12 | |
| 12:05 | 225.6 | .21 | 3.6 | 223.2 | .27 | 3.2 | 226.3 | .22 | |
| 12:10 | 219.5 | .08 | 3.0 | 214.2 | .13 | 3.4 | 212.2 | .01 | 5.1 |
| 12:15 | 232.5 | .03 | 3.3 | 233.2 | .08 | 3.4 | 231.9 | .09 | |
| 12:20 | 214.9 | -.06 | 3.2 | 214.3 | -.11 | 3.7 | 215.2 | -.17 | 4.6 |
| 12:25 | 236.3 | -.11 | 3.2 | 239.3 | -.13 | 3.1 | 237.8 | -.05 | |
| 12:30 | 232.0 | -.15 | 4.0 | 227.6 | -.11 | 4.4 | 223.7 | -.16 | 4.1 |
| 12:35 | 241.8 | -.14 | 4.7 | 240.9 | -.13 | 4.7 | 239.0 | .02 | |
| 12:40 | 245.2 | .27 | | | .24 | | | .81 | |
| 12:45 | 230.0 | -.29 | 3.5 | 229.4 | -.32 | | | -.56 | |
| 12:50 | 252.9 | -.18 | | | -.20 | | | -.64 | |
| 12:55 | 235.8 | .55 | 5.9 | 232.2 | .65 | | | -.62 | |
| 13:00 | 227.6 | .25 | 5.7 | 217.7 | -.30 | | | -.12 | |
| 13:05 | 236.2 | .48 | 4.5 | 230.3 | .33 | | | .03 | |
| 13:10 | 228.5 | .55 | 5.1 | 230.8 | .49 | 5.4 | 233.2 | .10 | |
| 13:15 | 235.8 | .12 | 5.8 | 240.6 | .25 | 6.7 | 245.0 | .31 | |
| 13:20 | 235.5 | .44 | 6.3 | 238.4 | .12 | | | -.15 | |
| 13:25 | 234.5 | .60 | 5.5 | 232.6 | .65 | 6.1 | 226.8 | .60 | 5.9 |
| 13:30 | 233.6 | .49 | 4.3 | 226.7 | .74 | 5.5 | 228.4 | .68 | |

| | 40_WD260m | 41_VWS260m | 42_WS280m | 43_WD280m | 44_VWS280m | 45_WS300m | 46_WD300m | 47_VWS300m | 48_WS320m |
|-------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|
| Time | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC |
| 13:35 | 234.9 | .18 | 3.9 | 233.2 | -.07 | 4.7 | 232.4 | .03 | 5.6 |
| 13:40 | 248.1 | .07 | 4.7 | 247.1 | .24 | 4.5 | 243.4 | .23 | 4.5 |
| 13:45 | 246.8 | -.14 | 4.0 | 247.5 | -.04 | 4.4 | 247.4 | .01 | 3.8 |
| 13:50 | 237.7 | .20 | 4.3 | 238.0 | .13 | 4.2 | 235.7 | .30 | 4.9 |
| 13:55 | 238.5 | .01 | 4.7 | 239.7 | -.09 | 5.0 | 240.4 | -.14 | 5.2 |
| 14:00 | 247.5 | .50 | 5.1 | 245.3 | .48 | 5.3 | 242.4 | .38 | 5.5 |
| 14:05 | 228.0 | .29 | 6.1 | 227.3 | .34 | 6.4 | 227.5 | .35 | 6.7 |
| 14:10 | 225.8 | -.12 | 5.2 | 224.2 | -.02 | 5.2 | 221.3 | .04 | 5.3 |
| 14:15 | 262.5 | .03 | 3.5 | 263.1 | -.01 | 3.5 | 264.1 | .04 | 3.3 |
| 14:20 | 251.0 | -.03 | 3.9 | 251.0 | -.07 | 3.7 | 248.8 | -.03 | 3.7 |
| 14:25 | 244.0 | -.21 | 5.0 | 244.2 | -.22 | 4.9 | 244.0 | -.24 | 4.9 |
| 14:30 | 242.0 | -.28 | 5.6 | 241.5 | -.19 | 5.5 | 239.3 | -.21 | 5.3 |
| 14:35 | 239.3 | .08 | 6.9 | 238.4 | .09 | 6.8 | 236.9 | .12 | 6.8 |
| 14:40 | 234.2 | .02 | 7.2 | 233.5 | .02 | 7.1 | 232.0 | .04 | 7.0 |
| 14:45 | 230.0 | .14 | 7.0 | 230.6 | .11 | 7.0 | 229.6 | .13 | 6.8 |
| 14:50 | 228.1 | .18 | 6.2 | 229.8 | .17 | 6.3 | 229.5 | .18 | 6.4 |
| 14:55 | 234.9 | -.11 | 5.6 | 233.6 | -.19 | 5.7 | 232.4 | -.18 | 5.9 |
| 15:00 | 234.8 | .27 | 6.2 | 235.1 | .27 | 6.3 | 233.5 | .29 | 6.3 |
| 15:05 | 224.6 | -.01 | 4.6 | 222.1 | .04 | 4.8 | 221.7 | .11 | 4.7 |
| 15:10 | 235.5 | -.32 | 4.7 | 235.9 | -.36 | 4.8 | 234.3 | -.40 | 5.0 |
| 15:15 | 254.0 | -.24 | 4.3 | 249.3 | -.14 | 4.2 | 246.5 | -.16 | 4.1 |
| 15:20 | 240.8 | .50 | 5.1 | 240.9 | .51 | 5.2 | 240.9 | .50 | 5.1 |
| 15:25 | 236.8 | .42 | 4.6 | 235.4 | .35 | 4.7 | 233.3 | .36 | 4.7 |
| 15:30 | 228.1 | .21 | 4.2 | 225.4 | .18 | 4.2 | 223.7 | .02 | 4.5 |
| 15:35 | 207.6 | .06 | 5.1 | 206.8 | -.05 | 5.2 | 207.9 | -.10 | 5.1 |
| 15:40 | 219.4 | .12 | 5.2 | 219.6 | .09 | 5.2 | 219.5 | .07 | 5.3 |
| 15:45 | 219.6 | .40 | 4.0 | 217.4 | .38 | 4.1 | 215.4 | .41 | 4.1 |
| 15:50 | 234.7 | -.20 | 3.1 | 232.1 | -.38 | 3.1 | 232.9 | -.33 | 3.1 |
| 15:55 | 191.7 | -.53 | 4.3 | 192.5 | -.51 | 4.4 | 191.0 | -.58 | 4.6 |
| 16:00 | 207.4 | -.16 | 5.0 | 205.9 | -.12 | 5.0 | 204.0 | -.10 | 4.9 |
| 16:05 | 205.0 | .39 | 4.7 | 206.9 | .39 | 4.9 | 209.9 | .40 | 5.0 |
| 16:10 | 220.0 | .03 | 4.7 | 220.7 | .00 | 4.8 | 219.9 | -.11 | 4.9 |
| 16:15 | 216.4 | -.46 | 4.6 | 217.0 | -.38 | 4.8 | 215.2 | -.31 | 4.9 |
| 16:20 | 229.9 | -.72 | 5.3 | 231.3 | -.78 | 5.3 | 233.4 | -.79 | 5.5 |
| 16:25 | 229.7 | -.80 | 5.0 | 232.0 | -.87 | 4.8 | 235.6 | -.91 | 4.9 |
| 16:30 | | | | | | | | | |
| 16:35 | 200.7 | -.99 | 3.7 | 202.4 | -1.08 | 3.9 | 203.0 | -1.04 | 4.0 |
| 16:40 | 197.2 | -.18 | 5.2 | 195.2 | -.18 | 5.2 | 194.7 | -.18 | 5.3 |
| 16:45 | 201.6 | -.13 | 4.6 | 201.0 | -.06 | 4.7 | 199.6 | .00 | 4.9 |
| 16:50 | 220.7 | .28 | 4.8 | 220.6 | .33 | 4.9 | 220.2 | .34 | 5.0 |
| 16:55 | 218.9 | .01 | 3.8 | 219.3 | -.04 | 3.8 | 217.2 | -.06 | 3.8 |
| 17:00 | 208.4 | -.21 | 3.1 | 210.7 | -.19 | 3.3 | 210.5 | -.28 | 3.3 |
| 17:05 | 195.1 | .07 | 3.3 | 195.6 | .08 | 3.4 | 195.8 | .06 | 3.3 |
| 17:10 | 168.7 | .36 | 3.0 | 170.1 | .43 | 3.0 | 173.1 | .47 | 3.1 |
| 17:15 | 199.7 | .25 | 3.9 | 199.9 | .28 | 3.8 | 202.0 | .33 | 3.7 |
| 17:20 | 207.2 | .05 | 4.4 | 209.1 | .04 | 4.5 | 213.1 | .00 | 4.5 |
| 17:25 | 224.0 | -.67 | 4.6 | 223.2 | -.67 | 4.5 | 222.2 | -.72 | 4.5 |
| 17:30 | 223.2 | -.31 | 4.5 | 222.8 | -.33 | 4.6 | 224.4 | -.26 | 4.5 |
| 17:35 | 231.7 | -.54 | 3.7 | 234.0 | -.61 | 3.8 | 235.1 | -.63 | 4.0 |
| 17:40 | 230.9 | -.22 | 3.7 | 232.7 | -.25 | 3.6 | 234.9 | -.25 | 3.6 |
| 17:45 | 229.9 | -.19 | 3.7 | 231.4 | -.20 | 4.0 | 233.2 | -.19 | 4.1 |
| 17:50 | 226.2 | -.02 | 3.8 | 224.3 | -.24 | 4.0 | 222.6 | .23 | 3.9 |
| 17:55 | 242.0 | -.17 | 4.4 | 241.0 | -.17 | 4.4 | 240.5 | -.14 | 4.6 |
| 18:00 | 238.6 | .16 | 4.8 | 238.4 | .18 | 4.9 | 237.3 | .16 | 4.9 |
| 18:05 | 234.8 | -.02 | 4.7 | 234.5 | -.06 | 4.8 | 234.3 | -.13 | 4.8 |
| 18:10 | 233.2 | -.05 | 4.8 | 233.0 | -.07 | 4.9 | 233.2 | -.03 | 4.9 |

| | 40_WD260m | 41_VWS260m | 42_WS280m | 43_WD280m | 44_VWS280m | 45_WS300m | 46_WD300m | 47_VWS300m | 48_WS320m |
|-------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|
| Time | DEG | MPH | M/SEC | DEG | MPH | M/SEC | DEG | MPH | M/SEC |
| 18:15 | 224.3 | -.03 | 4.6 | 224.6 | .01 | 4.7 | 225.7 | .05 | 4.7 |
| 18:20 | 226.2 | .57 | 4.2 | 225.2 | .55 | 4.4 | 224.2 | .56 | 4.5 |
| 18:25 | 223.0 | .14 | 4.0 | 222.1 | .04 | 4.2 | 222.2 | .04 | 4.1 |
| 18:30 | 246.6 | .03 | 3.8 | 241.6 | .10 | 3.9 | 237.1 | .14 | 3.9 |
| 18:35 | 218.3 | .00 | 3.0 | 217.8 | .05 | 3.0 | 218.4 | .04 | 2.8 |
| 18:40 | 218.5 | .03 | 3.5 | 215.8 | -.04 | 3.7 | 215.3 | -.08 | 3.9 |
| 18:45 | 218.5 | -.15 | 3.5 | 218.1 | -.18 | 3.5 | 220.3 | -.21 | 3.7 |
| 18:50 | 221.6 | -.32 | 3.9 | 222.1 | -.31 | 3.9 | 222.8 | -.33 | 3.8 |
| 18:55 | 224.4 | -.21 | 3.9 | 227.9 | -.23 | 4.0 | 231.5 | -.27 | 3.9 |
| 19:00 | 224.8 | -.29 | 3.9 | 228.7 | -.28 | 4.1 | 233.1 | -.24 | 4.2 |
| 19:05 | 229.8 | -.08 | 3.4 | 234.4 | -.07 | 3.7 | 236.6 | -.04 | 3.8 |
| 19:10 | 229.2 | -.37 | 3.1 | 234.1 | -.39 | 3.4 | 238.3 | -.36 | 3.6 |
| 19:15 | 224.1 | -.16 | 2.6 | 227.2 | -.14 | 2.9 | 231.7 | -.12 | 3.2 |
| 19:20 | 242.4 | .09 | 2.9 | 245.0 | .09 | 3.1 | 242.6 | .05 | 3.2 |
| 19:25 | 243.5 | .03 | 3.6 | 242.9 | .05 | 3.6 | 240.6 | .03 | 3.5 |
| 19:30 | 236.6 | -.17 | 3.4 | 235.8 | -.15 | 3.3 | 234.8 | -.14 | 3.3 |
| 19:35 | 241.6 | -.20 | 3.5 | 243.0 | -.20 | 3.6 | 242.7 | -.18 | 3.6 |
| 19:40 | 242.9 | -.25 | 3.0 | 243.4 | -.21 | 3.3 | 241.9 | -.22 | 3.4 |
| 19:45 | 244.7 | .10 | 3.4 | 243.0 | .08 | 3.5 | 241.9 | .09 | 3.4 |
| 19:50 | 237.7 | .12 | 3.2 | 235.6 | .10 | 3.2 | 232.1 | .08 | 3.1 |
| 19:55 | 243.2 | -.10 | 2.8 | 239.5 | -.08 | 2.8 | 238.1 | -.07 | 2.8 |
| 20:00 | 249.2 | -.08 | 2.5 | 246.6 | -.09 | 2.7 | 245.2 | -.09 | 2.7 |
| 20:05 | 254.9 | -.02 | 2.1 | 252.7 | -.05 | 2.3 | 247.2 | -.03 | 2.6 |
| 20:10 | 263.1 | .20 | 2.2 | 260.2 | .20 | 2.4 | 256.1 | .21 | 2.7 |
| 20:15 | 259.3 | .21 | 2.4 | 250.6 | .22 | 2.6 | 244.3 | .22 | 2.7 |
| 20:20 | 247.5 | .02 | 2.6 | 242.9 | .05 | 2.9 | 239.0 | .05 | 3.0 |
| 20:25 | 232.4 | .05 | 2.6 | 230.6 | .04 | 2.9 | 227.0 | .04 | 3.1 |
| 20:30 | 224.0 | -.05 | 2.3 | 225.9 | -.09 | 2.8 | 223.1 | -.12 | 3.0 |
| 20:35 | 213.4 | .13 | 2.1 | 218.0 | .13 | 2.5 | 217.4 | .11 | 2.8 |
| 20:40 | 223.4 | .19 | 2.1 | 217.5 | .18 | 2.3 | 215.4 | .19 | 2.4 |
| 20:45 | 214.9 | .02 | 2.6 | 212.1 | .02 | 2.8 | 210.9 | .03 | 3.0 |
| 20:50 | 217.3 | .04 | 2.6 | 213.6 | .02 | 2.8 | 211.8 | .00 | 3.0 |
| 20:55 | 204.0 | .09 | 2.8 | 205.2 | .08 | 3.0 | 207.7 | .10 | 3.1 |
| 21:00 | 208.7 | .07 | 2.9 | 211.3 | .09 | 3.1 | 212.7 | .09 | 3.2 |
| 21:05 | 209.8 | -.07 | 3.0 | 211.9 | -.07 | 3.2 | 211.0 | -.10 | 3.4 |
| 21:10 | 208.5 | -.05 | 3.6 | 210.7 | -.06 | 3.8 | 211.0 | -.08 | 3.9 |
| 21:15 | 207.1 | .05 | 4.0 | 208.4 | .05 | 4.1 | 207.7 | .05 | 4.1 |
| 21:20 | 200.8 | .03 | 4.0 | 200.4 | .03 | 4.1 | 200.7 | .03 | 4.1 |
| 21:25 | 201.1 | .09 | 4.3 | 201.3 | .08 | 4.3 | 201.9 | .10 | 4.3 |
| 21:30 | 207.0 | .15 | 4.4 | 207.7 | .14 | 4.5 | 207.6 | .14 | 4.5 |
| 21:35 | 208.7 | .09 | 4.3 | 208.6 | .08 | 4.2 | 210.7 | .09 | 4.2 |
| 21:40 | 212.8 | .01 | 4.2 | 214.6 | .05 | 4.4 | 216.5 | .05 | 4.5 |
| 21:45 | 215.9 | .05 | 4.4 | 217.8 | .07 | 4.5 | 219.6 | .04 | 4.8 |
| 21:50 | 216.0 | .08 | 4.5 | 218.8 | .09 | 4.9 | 221.6 | .04 | 5.1 |
| 21:55 | 211.1 | .13 | 4.6 | 215.4 | .08 | 4.9 | 218.7 | .09 | 5.1 |
| 22:00 | 215.3 | .11 | 4.5 | 219.9 | .10 | 4.6 | 224.4 | .15 | 4.7 |
| 22:05 | 214.3 | .05 | 4.2 | 219.4 | -.09 | 4.3 | 224.2 | .03 | 4.4 |
| 22:10 | 216.3 | .04 | 4.2 | 219.4 | .01 | 4.3 | 223.0 | .04 | 4.4 |
| 22:15 | 212.3 | .00 | 4.0 | 217.1 | -.01 | 4.1 | 220.8 | -.05 | 4.2 |
| 22:20 | 216.8 | .05 | 3.7 | 220.6 | .04 | 3.8 | 225.6 | -.07 | 3.9 |
| 22:25 | 223.5 | .00 | 3.4 | 226.3 | .09 | 3.5 | 229.2 | .03 | 3.5 |
| 22:30 | 228.9 | .05 | 3.3 | 231.2 | .07 | 3.3 | 234.1 | .03 | 3.4 |
| 22:35 | 235.7 | .06 | 3.3 | 238.6 | .06 | 3.4 | 240.1 | .04 | 3.5 |
| 22:40 | 234.4 | .00 | 3.2 | 237.1 | .14 | 3.3 | 240.1 | -.41 | 3.5 |
| 22:45 | 224.5 | -.05 | 3.3 | 231.2 | .00 | 3.5 | 231.0 | -.03 | 3.4 |
| 22:50 | 231.5 | -.04 | 4.0 | 225.4 | -.03 | | | -.01 | |

Daily Summary Report

Site: Lidar "Q" (PAM35)

7/21/2022

Interval: 005m

| | 49_WD320m | 50_WS340m | 51_WD340m |
|-------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG |
| 00:00 | 223.4 | 13.4 | 222.8 |
| 00:05 | 222.2 | 12.2 | 222.7 |
| 00:10 | 222.6 | 11.1 | 222.3 |
| 00:15 | 219.6 | 12.4 | 219.9 |
| 00:20 | 224.9 | 12.2 | 224.1 |
| 00:25 | 221.2 | 12.9 | 220.9 |
| 00:30 | 221.6 | 12.9 | 221.7 |
| 00:35 | 222.1 | 13.2 | 222.2 |
| 00:40 | 222.1 | 12.8 | 222.4 |
| 00:45 | 224.0 | 13.2 | 223.3 |
| 00:50 | 220.0 | 12.5 | 220.8 |
| 00:55 | 223.5 | 11.4 | 223.7 |
| 01:00 | 221.8 | 12.4 | 223.1 |
| 01:05 | 221.4 | 13.6 | 222.7 |
| 01:10 | 220.2 | 13.4 | 220.9 |
| 01:15 | 217.0 | 12.7 | 217.6 |
| 01:20 | 218.3 | 11.9 | 219.1 |
| 01:25 | 220.5 | 11.8 | 220.8 |
| 01:30 | 223.0 | 12.3 | 222.7 |
| 01:35 | 223.4 | 12.2 | 223.1 |
| 01:40 | 225.7 | 12.0 | 225.2 |
| 01:45 | 220.4 | 12.0 | 221.6 |
| 01:50 | 217.1 | 12.6 | 218.2 |
| 01:55 | 217.0 | 12.6 | 218.0 |
| 02:00 | 217.8 | 12.3 | 218.5 |
| 02:05 | 217.3 | 12.6 | 217.6 |
| 02:10 | 218.4 | 12.3 | 218.7 |
| 02:15 | 218.9 | 11.5 | 219.5 |
| 02:20 | 220.1 | 10.6 | 220.7 |
| 02:25 | 224.8 | 10.3 | 225.5 |
| 02:30 | 226.8 | 10.5 | 226.4 |
| 02:35 | 229.1 | 10.8 | 228.8 |
| 02:40 | 229.3 | 11.1 | 229.8 |
| 02:45 | 228.2 | 11.3 | 228.2 |
| 02:50 | 226.8 | 11.6 | 227.2 |
| 02:55 | 226.5 | 11.2 | 226.6 |
| 03:00 | 226.2 | 11.0 | 227.4 |
| 03:05 | 225.1 | 11.0 | 225.5 |
| 03:10 | 224.1 | 11.1 | 224.4 |
| 03:15 | 222.1 | 11.4 | 223.2 |
| 03:20 | 220.1 | 11.6 | 221.1 |
| 03:25 | 218.5 | 11.1 | 219.7 |
| 03:30 | 219.1 | 10.6 | 219.8 |
| 03:35 | 216.8 | 10.3 | 218.0 |
| 03:40 | 218.1 | 10.1 | 219.7 |
| 03:45 | 215.7 | 9.6 | 217.2 |
| 03:50 | 215.5 | 9.7 | 216.6 |
| 03:55 | 216.9 | 9.4 | 217.6 |
| 04:00 | 216.8 | 9.4 | 218.0 |
| 04:05 | 216.3 | 9.8 | 217.3 |
| 04:10 | 214.5 | 9.7 | 215.9 |

| | 49_WD320m | 50_WS340m | 51_WD340m |
|-------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG |
| 04:15 | 215.9 | 10.0 | 217.3 |
| 04:20 | 216.8 | 10.5 | 217.1 |
| 04:25 | 220.1 | 10.5 | 220.5 |
| 04:30 | 224.5 | 10.8 | 225.5 |
| 04:35 | 226.2 | 11.3 | 227.0 |
| 04:40 | 225.7 | 12.1 | 227.4 |
| 04:45 | 288.4 | 13.0 | 283.7 |
| 04:50 | 323.0 | 15.2 | 318.0 |
| 04:55 | | | |
| 05:00 | | | |
| 05:05 | | | |
| 05:10 | | | |
| 05:15 | | | |
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| 06:35 | | | |
| 06:40 | | | |
| 06:45 | | | |
| 06:50 | | | |
| 06:55 | | | |
| 07:00 | 263.7 | 7.6 | 263.2 |
| 07:05 | 256.8 | 8.2 | 256.3 |
| 07:10 | | | |
| 07:15 | | | |
| 07:20 | | | |
| 07:25 | | | |
| 07:30 | | | |
| 07:35 | | | |
| 07:40 | | | |
| 07:45 | | | |
| 07:50 | | | |
| 07:55 | | | |
| 08:00 | | | |
| 08:05 | 183.7 | 8.1 | 182.2 |
| 08:10 | 172.5 | 6.8 | 171.2 |
| 08:15 | | | |
| 08:20 | | | |
| 08:25 | | | |
| 08:30 | | | |
| 08:35 | | | |
| 08:40 | | | |
| 08:45 | | | |
| 08:50 | | | |

| | 49_WD320m | 50_WS340m | 51_WD340m |
|-------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG |
| 08:55 | | | |
| 09:00 | | | |
| 09:05 | | | |
| 09:10 | | | |
| 09:15 | | | |
| 09:20 | | | |
| 09:25 | 229.0 | 4.9 | 227.3 |
| 09:30 | 228.6 | 4.4 | 223.5 |
| 09:35 | 245.2 | 2.5 | 237.7 |
| 09:40 | 251.0 | 3.8 | 246.3 |
| 09:45 | 242.3 | 3.8 | 236.6 |
| 09:50 | 246.2 | 4.2 | 246.4 |
| 09:55 | 261.3 | 3.6 | 256.0 |
| 10:00 | 252.0 | 3.9 | 249.8 |
| 10:05 | 256.0 | 4.0 | 254.8 |
| 10:10 | 245.8 | 3.9 | 244.4 |
| 10:15 | 252.9 | 4.6 | 250.2 |
| 10:20 | 258.2 | 4.7 | 254.2 |
| 10:25 | 256.6 | 4.4 | 252.9 |
| 10:30 | 252.0 | 4.6 | 248.0 |
| 10:35 | 254.7 | 4.4 | 252.2 |
| 10:40 | 239.3 | | |
| 10:45 | 250.4 | 3.4 | 249.9 |
| 10:50 | 256.6 | 3.8 | 253.6 |
| 10:55 | 238.6 | | |
| 11:00 | | | |
| 11:05 | | | |
| 11:10 | 224.6 | | |
| 11:15 | 218.1 | 4.1 | 222.6 |
| 11:20 | 232.8 | 3.9 | 231.2 |
| 11:25 | | | |
| 11:30 | 208.1 | | |
| 11:35 | | | |
| 11:40 | 219.3 | | |
| 11:45 | 224.3 | | |
| 11:50 | | | |
| 11:55 | | | |
| 12:00 | | | |
| 12:05 | | | |
| 12:10 | 217.4 | | |
| 12:15 | | | |
| 12:20 | 224.3 | | |
| 12:25 | | | |
| 12:30 | 222.8 | | |
| 12:35 | | | |
| 12:40 | | | |
| 12:45 | | | |
| 12:50 | | | |
| 12:55 | | | |
| 13:00 | | | |
| 13:05 | | | |
| 13:10 | | | |
| 13:15 | | | |
| 13:20 | | | |
| 13:25 | 227.0 | | |
| 13:30 | | | |

| | 49_WD320m | 50_WS340m | 51_WD340m |
|-------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG |
| 13:35 | 233.7 | | |
| 13:40 | 242.2 | 5.1 | 241.2 |
| 13:45 | 242.4 | 3.9 | 231.7 |
| 13:50 | 235.3 | 5.1 | 230.6 |
| 13:55 | 239.5 | 5.5 | 235.7 |
| 14:00 | 239.4 | 5.6 | 237.5 |
| 14:05 | 227.0 | 6.9 | 225.7 |
| 14:10 | 218.8 | 5.4 | 217.1 |
| 14:15 | 262.5 | 3.2 | 259.8 |
| 14:20 | 250.1 | 3.6 | 248.5 |
| 14:25 | 244.6 | 4.9 | 245.0 |
| 14:30 | 237.7 | 5.2 | 236.8 |
| 14:35 | 236.1 | 6.7 | 235.8 |
| 14:40 | 231.2 | 7.0 | 230.4 |
| 14:45 | 229.4 | 6.8 | 228.6 |
| 14:50 | 229.5 | 6.6 | 229.7 |
| 14:55 | 231.5 | 6.1 | 231.2 |
| 15:00 | 229.7 | 6.4 | 227.0 |
| 15:05 | 223.1 | 4.7 | 223.4 |
| 15:10 | 232.5 | 5.1 | 233.9 |
| 15:15 | 241.0 | 4.1 | 236.2 |
| 15:20 | 238.8 | 5.0 | 236.3 |
| 15:25 | 232.7 | 5.0 | 232.1 |
| 15:30 | 221.1 | 4.7 | 219.7 |
| 15:35 | 207.2 | 5.2 | 206.2 |
| 15:40 | 218.5 | 5.2 | 218.6 |
| 15:45 | 215.1 | 4.2 | 217.1 |
| 15:50 | 234.2 | 3.1 | 233.1 |
| 15:55 | 191.9 | 4.5 | 195.5 |
| 16:00 | 204.7 | 4.8 | 204.3 |
| 16:05 | 211.0 | 4.9 | 212.0 |
| 16:10 | 219.7 | 4.8 | 217.5 |
| 16:15 | 213.4 | 5.0 | 210.9 |
| 16:20 | 235.1 | 5.5 | 236.8 |
| 16:25 | 238.1 | 4.9 | 240.2 |
| 16:30 | | | |
| 16:35 | 202.9 | 4.2 | 201.4 |
| 16:40 | 193.7 | 5.3 | 193.4 |
| 16:45 | 198.0 | 5.1 | 196.8 |
| 16:50 | 220.1 | 4.9 | 219.3 |
| 16:55 | 215.1 | 3.8 | 213.3 |
| 17:00 | 210.1 | 3.5 | 211.3 |
| 17:05 | 195.7 | 3.1 | 197.4 |
| 17:10 | 175.5 | 3.1 | 175.7 |
| 17:15 | 204.8 | 3.6 | 202.2 |
| 17:20 | 215.5 | 4.6 | 218.2 |
| 17:25 | 222.0 | 4.4 | 224.1 |
| 17:30 | 225.1 | 4.5 | 228.7 |
| 17:35 | 236.1 | 4.0 | 236.8 |
| 17:40 | 236.7 | 3.6 | 236.1 |
| 17:45 | 232.8 | 4.1 | 232.8 |
| 17:50 | 220.1 | 4.1 | 219.8 |
| 17:55 | 239.1 | 4.6 | 240.0 |
| 18:00 | 239.2 | 4.9 | 239.0 |
| 18:05 | 234.2 | 4.8 | 233.8 |
| 18:10 | 233.8 | 4.9 | 233.1 |

| | 49_WD320m | 50_WS340m | 51_WD340m |
|-------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG |
| 18:15 | 226.6 | 4.7 | 227.3 |
| 18:20 | 224.7 | 4.3 | 225.8 |
| 18:25 | 221.1 | 4.1 | 220.1 |
| 18:30 | 233.7 | 3.9 | 232.4 |
| 18:35 | 219.2 | 2.7 | 223.2 |
| 18:40 | 214.6 | 3.9 | 215.3 |
| 18:45 | 223.3 | 3.8 | 227.5 |
| 18:50 | 224.3 | 3.8 | 227.1 |
| 18:55 | 234.1 | 4.0 | 235.3 |
| 19:00 | 235.9 | 4.3 | 238.5 |
| 19:05 | 236.7 | 3.9 | 235.6 |
| 19:10 | 240.5 | 3.7 | 240.3 |
| 19:15 | 237.3 | 3.4 | 239.6 |
| 19:20 | 239.4 | 3.2 | 236.3 |
| 19:25 | 237.9 | 3.5 | 235.1 |
| 19:30 | 232.4 | 3.2 | 228.3 |
| 19:35 | 241.6 | 3.6 | 241.0 |
| 19:40 | 240.2 | 3.4 | 237.9 |
| 19:45 | 239.7 | 3.3 | 238.4 |
| 19:50 | 230.5 | 2.9 | 230.2 |
| 19:55 | 237.6 | 2.9 | 235.6 |
| 20:00 | 239.1 | 2.7 | 235.0 |
| 20:05 | 246.1 | 2.7 | 240.6 |
| 20:10 | 249.9 | 3.0 | 246.3 |
| 20:15 | 238.1 | 2.8 | 232.5 |
| 20:20 | 234.2 | 3.1 | 228.6 |
| 20:25 | 222.5 | 3.2 | 217.8 |
| 20:30 | 216.5 | 3.1 | 212.7 |
| 20:35 | 214.8 | 3.0 | 213.7 |
| 20:40 | 216.9 | 2.5 | 219.1 |
| 20:45 | 210.9 | 3.0 | 213.0 |
| 20:50 | 213.0 | 3.1 | 214.5 |
| 20:55 | 210.0 | 3.2 | 212.2 |
| 21:00 | 212.1 | 3.4 | 212.5 |
| 21:05 | 212.5 | 3.5 | 213.3 |
| 21:10 | 212.2 | 4.0 | 212.0 |
| 21:15 | 207.4 | 4.2 | 207.2 |
| 21:20 | 201.5 | 4.2 | 203.0 |
| 21:25 | 203.2 | 4.2 | 203.6 |
| 21:30 | 208.3 | 4.3 | 209.8 |
| 21:35 | 213.4 | 4.4 | 215.7 |
| 21:40 | 218.3 | 4.7 | 220.1 |
| 21:45 | 221.6 | 5.0 | 223.1 |
| 21:50 | 223.5 | 5.2 | 225.2 |
| 21:55 | 222.2 | 5.3 | 225.6 |
| 22:00 | 228.0 | 4.8 | 231.3 |
| 22:05 | 228.0 | 4.7 | 232.2 |
| 22:10 | 226.3 | 4.6 | 229.3 |
| 22:15 | 224.8 | 4.4 | 228.5 |
| 22:20 | 229.1 | 4.1 | 233.2 |
| 22:25 | 232.1 | 3.7 | 234.2 |
| 22:30 | 234.6 | 3.5 | 235.0 |
| 22:35 | 242.3 | 3.6 | 242.3 |
| 22:40 | 242.6 | 3.6 | 242.4 |
| 22:45 | 235.7 | 3.6 | 236.1 |
| 22:50 | | | |

| | 49_WD320m | 50_WS340m | 51_WD340m |
|-----------------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG |
| 22:55 | | | |
| 23:00 | 237.9 | | |
| 23:05 | | | |
| 23:10 | 233.3 | 3.1 | 230.2 |
| 23:15 | | | |
| 23:20 | 242.8 | 3.8 | 240.9 |
| 23:25 | 228.0 | 3.5 | 238.5 |
| 23:30 | | | |
| 23:35 | 239.9 | 2.6 | 244.9 |
| 23:40 | 257.2 | 2.3 | 270.7 |
| 23:45 | 269.6 | 2.4 | 264.6 |
| 23:50 | 261.9 | 2.5 | 267.5 |
| 23:55 | | | |
| Average | 227.9 | 6.5 | 227.8 |
| Max | 323.0 | 15.2 | 318.0 |
| Max Hour | 04:50 | 04:50 | 04:50 |
| Min | 172.5 | 2.3 | 171.2 |
| Count | 210 | 198 | 198 |
| Total | | | |