

Air Quality Division

Air Monitoring
& Quality Assurance
Program

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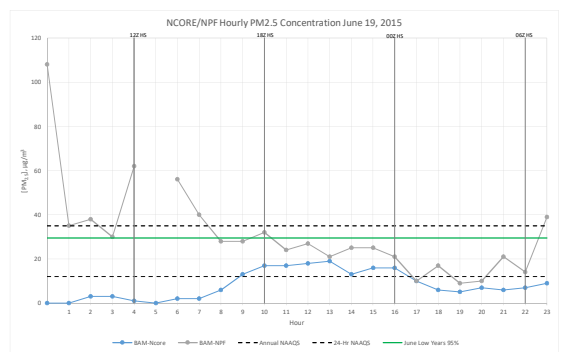
Exceptional Events Waiver
Request
For Exceptional PM_{2.5} Events
June 18 - 28,
July 1 - 31, and
August 8, 2015
in the Fairbanks North Star
Borough, Alaska

-Appendix D-
Daily Data

February 15, 2018

| hour | BAM-Ncore | 34 corr | 88501 | 88502 | 88101 | 88101 | 88101 |
|------|-----------|---------|-------|-------|---------|-----------|---------|
| 0 | 0 | 0 | 35 | 35 | 10 | 34 | 35 |
| 1 | 0 | 0 | 208 | 103.6 | FRM SDB | FRM Ncore | FRM NPF |
| 2 | 3 | 2.4 | 38 | 34.9 | | | |
| 3 | 3 | 2.4 | 30 | 27.1 | | | |
| 4 | 1 | 0.6 | 62 | 58.5 | | | |
| 5 | 0 | 0 | | | | | |
| 6 | 2 | 1.5 | 56 | 52.6 | | | |
| 7 | 2 | 1.5 | 40 | 36.9 | | | |
| 8 | 6 | 5.2 | 28 | 25.1 | | | |
| 9 | 18 | 11.6 | 28 | 25.1 | | | |
| 10 | 17 | 15.3 | 32 | 29 | | | |
| 11 | 17 | 15.3 | 24 | 21.2 | | | |
| 12 | 18 | 16.2 | 27 | 24.1 | | | |
| 13 | 19 | 17.2 | 21 | 18.2 | | | |
| 14 | 13 | 11.6 | 25 | 22.2 | | | |
| 15 | 16 | 14.4 | 25 | 22.2 | | | |
| 16 | 16 | 14.4 | 21 | 18.2 | | | |
| 17 | 10 | 8.9 | 10 | 7.4 | | | |
| 18 | 6 | 5.2 | 17 | 14.3 | | | |
| 19 | 5 | 4.3 | 9 | 6.5 | | | |
| 20 | 7 | 5.4 | 10 | 7.4 | | | |
| 21 | 6 | 5.2 | 21 | 18.2 | | | |
| 22 | 7 | 6.1 | 14 | 11.4 | | | |
| 23 | 9 | 8 | 39 | 35.9 | | | |

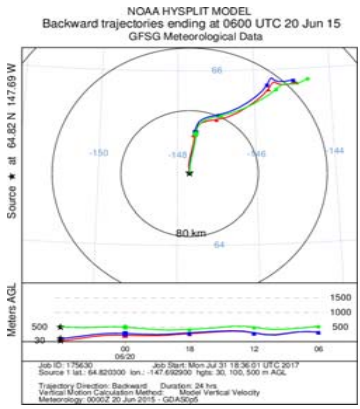
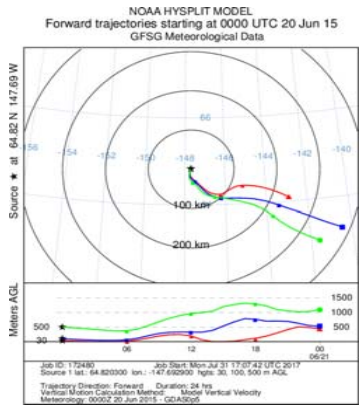
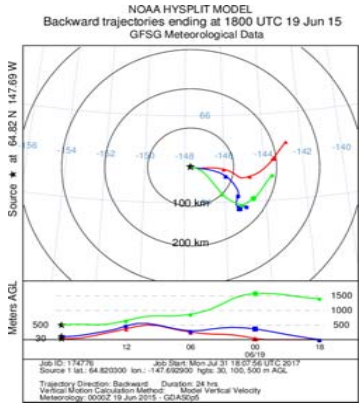
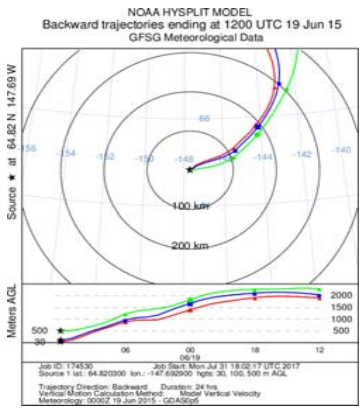
| Year | Annual NA 24-Hr WAQS |
|------|----------------------|
| 2015 | 1.2 35 |
| 2016 | 1.2 35 |
| 2017 | 1.2 35 |
| 2018 | 1.2 35 |
| 2019 | 1.2 35 |
| 2020 | 1.2 35 |
| 2021 | 1.2 35 |
| 2022 | 1.2 35 |
| 2023 | 1.2 35 |
| 2024 | 1.2 35 |
| 2025 | 1.2 35 |
| 2026 | 1.2 35 |
| 2027 | 1.2 35 |
| 2028 | 1.2 35 |
| 2029 | 1.2 35 |
| 2030 | 1.2 35 |



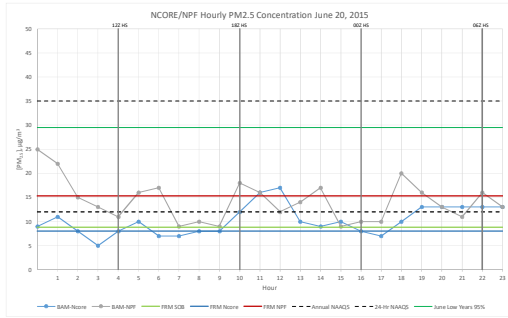
4 0
4 120
10 0
10 120
16 0
16 120
22 0
22 120

| Station | Date/Time | SPD (MPH) | DIR (From) | Gust (MPH) | WX Condition | VIS (SM) | TEMP (F) | DPW (F) |
|---------|-----------------------|-----------|------------|------------|--------------|----------|----------|---------|
| PAPA | 06/19/2015 01:53 AKDT | 0 | 0 | ** | ** | 10 | 63 | 46 |
| PAPA | 06/19/2015 01:53 AKDT | 0 | 0 | ** | ** | 10 | 61 | 43 |
| PAPA | 06/19/2015 02:53 AKDT | 5 | 30 | ** | ** | 10 | 59 | 41 |
| PAPA | 06/19/2015 03:53 AKDT | 0 | 0 | ** | ** | 10 | 57 | 43 |
| PAPA | 06/19/2015 04:53 AKDT | 6 | 60 | ** | ** | 10 | 57 | 41 |
| PAPA | 06/19/2015 05:53 AKDT | 5 | 50 | ** | ** | 10 | 57 | 43 |
| PAPA | 06/19/2015 06:53 AKDT | 0 | 0 | ** | ** | 10 | 63 | 44 |
| PAPA | 06/19/2015 07:53 AKDT | 0 | 0 | ** | ** | 10 | 65 | 43 |
| PAPA | 06/19/2015 08:53 AKDT | 3 | 120 | ** | ** | 10 | 68 | 43 |
| PAPA | 06/19/2015 09:53 AKDT | 6 | 110 | ** | ** | 10 | 71 | 42 |
| PAPA | 06/19/2015 10:53 AKDT | 3 | 80 | ** | ** | 10 | 71 | 43 |
| PAPA | 06/19/2015 11:53 AKDT | 3 | ** | ** | ** | 10 | 75 | 39 |
| PAPA | 06/19/2015 12:53 AKDT | 0 | 0 | ** | ** | 10 | 78 | 39 |
| PAPA | 06/19/2015 13:53 AKDT | 6 | ** | ** | ** | 10 | 81 | 39 |
| PAPA | 06/19/2015 14:53 AKDT | 5 | 130 | ** | ** | 10 | 81 | 39 |
| PAPA | 06/19/2015 15:53 AKDT | ** | ** | ** | ** | 10 | 82 | 38 |
| PAPA | 06/19/2015 16:53 AKDT | 5 | ** | ** | ** | 10 | 82 | 39 |
| PAPA | 06/19/2015 17:53 AKDT | 0 | 0 | ** | ** | 10 | 84 | 38 |
| PAPA | 06/19/2015 18:53 AKDT | 9 | 340 | ** | ** | 10 | 79 | 43 |
| PAPA | 06/19/2015 19:53 AKDT | 6 | 310 | ** | ** | 10 | 78 | 42 |
| PAPA | 06/19/2015 20:53 AKDT | 6 | 330 | ** | ** | 10 | 81 | 43 |
| PAPA | 06/19/2015 21:53 AKDT | 8 | 340 | ** | ** | 10 | 77 | 43 |
| PAPA | 06/19/2015 22:53 AKDT | 3 | 300 | ** | ** | 10 | 75 | 47 |
| PAPA | 06/19/2015 23:53 AKDT | 0 | 0 | ** | ** | 10 | 73 | 48 |

Table 9. Hourly observation for Fairbanks International Airport, June 19, 2015



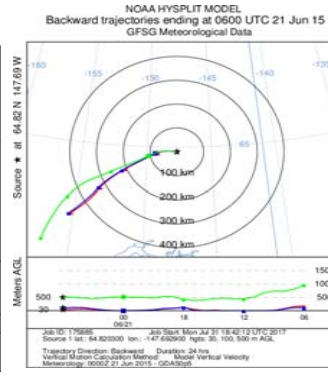
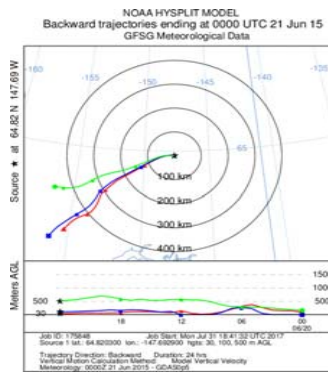
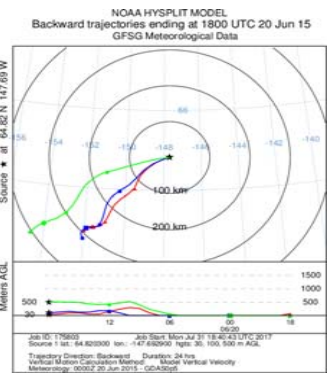
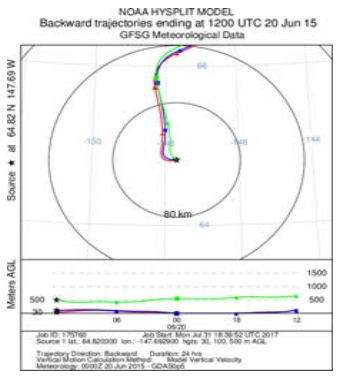
| hour | 88501 | | 88502 | | 88501 | | 88502 | | 88101 | | 88101 | | June Low Years 95% | Annual NA 24-Hr NAAQS |
|---|-----------|----------------|---------|--------------|--------|-----------|---------|-----|-------|------|-------|------|--------------------|-----------------------|
| | BAM Ncore | Corr BAM Ncore | BAM NPF | Corr BAM NPF | FEM SQ | FEM Ncore | FEM NPF | 8.8 | 8 | 15.3 | 25.5 | | | |
| 0 | 9 | 8 | 25 | 22.2 | | | | | | | | 25.5 | 0 | |
| 1 | 11 | 9.8 | 20 | 19.2 | | | | | | | | 25.5 | 23 | |
| 2 | 9 | 7 | 15 | 12.4 | | | | | | | | 25.5 | | |
| 3 | 5 | 4.3 | 13 | 10.4 | | | | | | | | 25.5 | | |
| 4 | 8 | 7 | 11 | 8.4 | | | | | | | | 25.5 | | |
| 5 | 10 | 8.9 | 16 | 13.3 | | | | | | | | 25.5 | | |
| 6 | 7 | 6.1 | 17 | 14.3 | | | | | | | | 25.5 | | |
| 7 | 7 | 6.1 | 8 | 6.5 | | | | | | | | 25.5 | | |
| 8 | 8 | 7 | 10 | 7.4 | | | | | | | | 25.5 | | |
| 9 | 8 | 7 | 8 | 6.5 | | | | | | | | 25.5 | | |
| 10 | 12 | 10.7 | 18 | 15.3 | | | | | | | | 25.5 | | |
| 11 | 16 | 14.4 | 16 | 13.3 | | | | | | | | 25.5 | | |
| 12 | 17 | 15.3 | 10 | 9.4 | | | | | | | | 25.5 | | |
| 13 | 10 | 8.9 | 14 | 11.4 | | | | | | | | 25.5 | | |
| 14 | 9 | 8 | 17 | 14.3 | | | | | | | | 25.5 | | |
| 15 | 10 | 8.9 | 8 | 6.5 | | | | | | | | 25.5 | | |
| 16 | 7 | 7 | 10 | 7.4 | | | | | | | | 25.5 | | |
| 17 | 7 | 6.1 | 10 | 7.4 | | | | | | | | 25.5 | | |
| 18 | 10 | 8.9 | 20 | 17.3 | | | | | | | | 25.5 | | |
| 19 | 13 | 11.6 | 16 | 13.3 | | | | | | | | 25.5 | | |
| 20 | 13 | 11.6 | 13 | 10.4 | | | | | | | | 25.5 | | |
| 21 | 13 | 11.6 | 11 | 8.4 | | | | | | | | 25.5 | | |
| 22 | 13 | 11.6 | 16 | 13.3 | | | | | | | | 25.5 | | |
| 23 | 13 | 11.6 | 13 | 10.4 | | | | | | | | 25.5 | | |
| BAM Ncore BAM Ncore BAM NPF Corr BAM NPF FEM SQ FEM Ncore FEM NPF | | | | | | | | | | | | | | |
| 34 34 corr 35 35 corr | | | | | | | | | | | | | | |
| 10.2 9.1 14.3 11.6 | | | | | | | | | | | | | | |
| 10.2 9.1 14.3 11.6 | | | | | | | | | | | | | | |



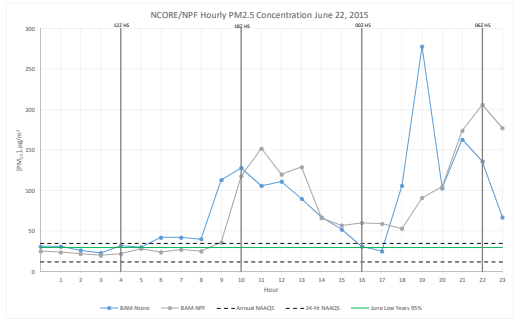
4 0
4 50
10 50
16 0
22 0
22 50

| Station | Date/Time | SPM (OTF) | DIR (TWS) | Gas (NPF) | WX Condition | VIS (SM) | TEMP (F) | DEP (F) |
|---------|-----------------------|-----------|-----------|-----------|--------------|----------|----------|---------|
| PAPA | 06/20/2015 00:53 AKDT | 0 | 0 | ** | ** | 10 | 66 | 46 |
| PAPA | 06/20/2015 01:53 AKDT | 0 | 0 | ** | ** | 10 | 63 | 47 |
| PAPA | 06/20/2015 02:53 AKDT | 7 | 190 | ** | ** | 10 | 63 | 48 |
| PAPA | 06/20/2015 03:53 AKDT | 0 | 0 | ** | ** | 10 | 58 | 49 |
| PAPA | 06/20/2015 04:53 AKDT | 3 | 120 | ** | ** | 10 | 63 | 47 |
| PAPA | 06/20/2015 05:53 AKDT | 3 | 220 | ** | ** | 10 | 65 | 47 |
| PAPA | 06/20/2015 06:53 AKDT | 0 | 0 | ** | ** | 10 | 64 | 48 |
| PAPA | 06/20/2015 07:53 AKDT | 3 | 60 | ** | ** | 10 | 63 | 52 |
| PAPA | 06/20/2015 08:53 AKDT | 3 | 130 | ** | ** | 10 | 61 | 52 |
| PAPA | 06/20/2015 09:53 AKDT | 5 | 30 | ** | ** | 7 | 61 | 54 |
| PAPA | 06/20/2015 10:53 AKDT | 0 | 0 | ** | ** | 10 | 61 | 55 |
| PAPA | 06/20/2015 11:53 AKDT | 0 | 0 | ** | ** | 9 | 66 | 53 |
| PAPA | 06/20/2015 12:53 AKDT | 0 | 0 | ** | ** | 10 | 68 | 53 |
| PAPA | 06/20/2015 13:53 AKDT | 0 | 0 | ** | ** | 10 | 71 | 55 |
| PAPA | 06/20/2015 14:53 AKDT | 7 | ** | ** | ** | 10 | 77 | 50 |
| PAPA | 06/20/2015 15:53 AKDT | 0 | ** | ** | ** | 10 | 82 | 48 |
| PAPA | 06/20/2015 16:53 AKDT | 3 | 280 | ** | ** | 10 | 85 | 46 |
| PAPA | 06/20/2015 17:53 AKDT | 0 | ** | ** | ** | 10 | 84 | 45 |
| PAPA | 06/20/2015 18:53 AKDT | 8 | 320 | ** | ** | 10 | 83 | 45 |
| PAPA | 06/20/2015 19:53 AKDT | 10 | 310 | ** | ** | 10 | 82 | 45 |
| PAPA | 06/20/2015 20:53 AKDT | 10 | 160 | ** | ** | 10 | 75 | 49 |
| PAPA | 06/20/2015 21:53 AKDT | 8 | 180 | ** | ** | 10 | 72 | 50 |
| PAPA | 06/20/2015 22:53 AKDT | 7 | 150 | ** | ** | 10 | 70 | 52 |
| PAPA | 06/20/2015 23:53 AKDT | 5 | 150 | ** | ** | 10 | 66 | 51 |

Table 10. Hourly observation for Fairbanks International Airport, June 20, 2015



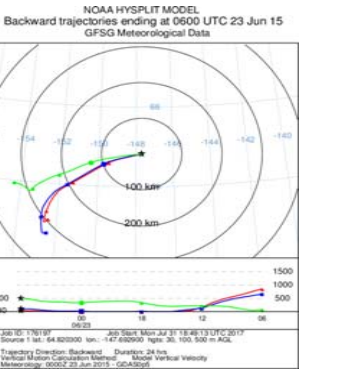
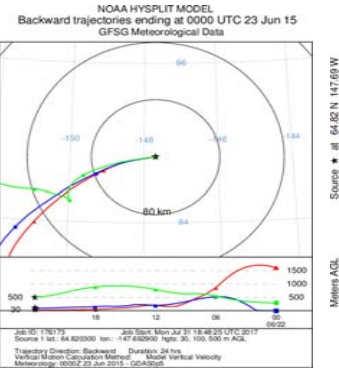
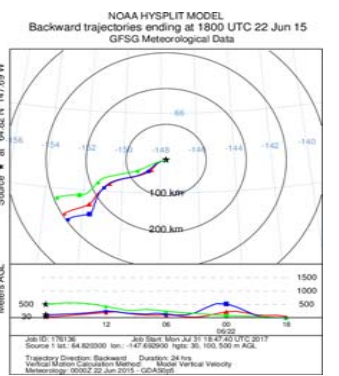
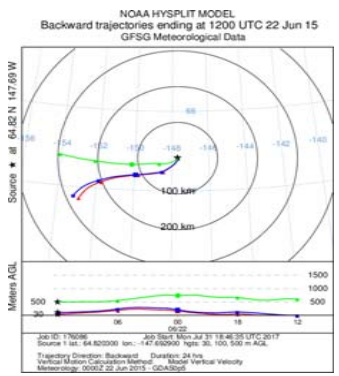
| hour | 88501 | | 88502 | | 88501 | | 88502 | | 88101 | | 88101 | | 88101 | | June Low Years 95% | Annual NA 24-Hr NAAQS |
|------|-----------|-------|-----------|-------|---------|------|---------|------|---------|------|---------|------|---------|------|--------------------|-----------------------|
| | BAM-Ncore | Corr | BAM-Ncore | Corr | BAM-NPF | Corr | BAM-NPF | Corr | BAM-NPF | Corr | BAM-NPF | Corr | BAM-NPF | Corr | | |
| 0 | 31 | 28.2 | 25 | 22.2 | 25.5 | 0 | 12 | 35 | 25.5 | 0 | 12 | 35 | 25.5 | 0 | 12 | 35 |
| 1 | 31 | 28.2 | 24 | 21.2 | 25.5 | 23 | 12 | 35 | 25.5 | 23 | 12 | 35 | 25.5 | 23 | 12 | 35 |
| 2 | 26 | 23.6 | 22 | 19.2 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 3 | 23 | 20.9 | 20 | 17.3 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 4 | 32 | 29.2 | 22 | 19.2 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 5 | 30 | 27.3 | 28 | 25.1 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 6 | 42 | 38.4 | 24 | 21.2 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 7 | 42 | 38.4 | 27 | 24.1 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 8 | 40 | 36.5 | 25 | 22.2 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 9 | 113 | 103.8 | 36 | 33 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 10 | 128 | 117.6 | 118 | 113.4 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 11 | 106 | 97.4 | 152 | 146.8 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 12 | 111 | 102 | 120 | 113.4 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 13 | 90 | 82.6 | 129 | 124.2 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 14 | 67 | 61.4 | 66 | 62.4 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 15 | 52 | 47.6 | 57 | 53.6 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 16 | 31 | 28.2 | 60 | 56.5 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 17 | 25 | 22.7 | 59 | 55.5 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 18 | 106 | 97.4 | 53 | 49.5 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 19 | 278 | 255.9 | 91 | 86.9 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 20 | 103 | 94.6 | 105 | 100.7 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 21 | 163 | 149.9 | 124 | 118.4 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 22 | 136 | 125 | 206 | 199.8 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 23 | 67 | 61.4 | 177 | 171.3 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 24 | 80 | 74.6 | 75.8 | 72.1 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |
| 25 | 78.0 | 71.6 | 75.8 | 72.1 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 | 25.5 | 12 | 12 | 35 |



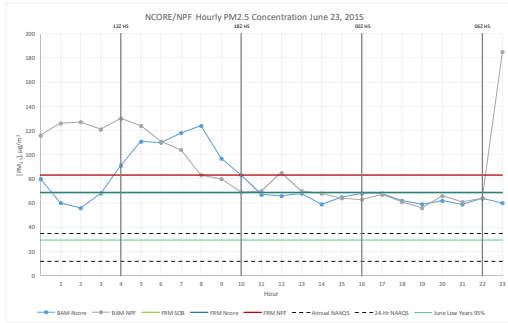
| | |
|----|-----|
| 4 | 0 |
| 4 | 300 |
| 10 | 0 |
| 10 | 300 |
| 16 | 0 |
| 16 | 300 |
| 22 | 0 |
| 22 | 300 |

| Station | Date/Time | SPD (MPH) | DIR (From) | Cost (MPH) | WX Condition | VIS (SM) | TEMP (F) | DP (F) | |
|---------|-----------------------|-----------|------------|------------|--------------|-----------|----------|--------|----|
| PAPA | 06/22/2015 00:53 AKDT | 0 | 0 | ** | ** | 8 | 61 | 54 | |
| PAPA | 06/22/2015 01:53 AKDT | 3 | 350 | ** | ** | 8 | 61 | 53 | |
| PAPA | 06/22/2015 02:53 AKDT | 5 | 30 | ** | ** | 8 | 57 | 53 | |
| PAPA | 06/22/2015 03:53 AKDT | 0 | 0 | ** | ** | 8 | 54 | 50 | |
| PAPA | 06/22/2015 04:53 AKDT | 0 | 0 | ** | ** | 8 | 57 | 51 | |
| PAPA | 06/22/2015 05:53 AKDT | 0 | 0 | ** | ** | 8 | 58 | 51 | |
| PAPA | 06/22/2015 06:53 AKDT | 3 | 10 | ** | ** | 7 | 59 | 52 | |
| PAPA | 06/22/2015 07:53 AKDT | 3 | 30 | ** | ** | 7 | 63 | 54 | |
| PAPA | 06/22/2015 08:53 AKDT | 0 | 0 | ** | ** | 7 | 64 | 52 | |
| PAPA | 06/22/2015 09:53 AKDT | 0 | 0 | ** | ** | 7 (Smoke) | 6 | 63 | 52 |
| PAPA | 06/22/2015 10:53 AKDT | 3 | ** | ** | ** | 7 (Smoke) | 3 | 69 | 53 |
| PAPA | 06/22/2015 11:53 AKDT | 0 | 0 | ** | ** | 7 (Smoke) | 3 | 73 | 53 |
| PAPA | 06/22/2015 12:53 AKDT | 0 | 0 | ** | ** | 7 (Smoke) | 3 | 74 | 53 |
| PAPA | 06/22/2015 13:53 AKDT | 3 | 190 | ** | ** | 7 (Smoke) | 3 | 77 | 54 |
| PAPA | 06/22/2015 14:53 AKDT | 3 | 240 | ** | ** | 7 (Smoke) | 3 | 80 | 52 |
| PAPA | 06/22/2015 15:53 AKDT | 6 | 240 | ** | ** | 7 (Smoke) | 4 | 81 | 48 |
| PAPA | 06/22/2015 16:53 AKDT | 8 | 360 | ** | ** | 7 (Smoke) | 4 | 81 | 46 |
| PAPA | 06/22/2015 17:53 AKDT | 8 | 360 | ** | ** | 7 (Smoke) | 0 | 80 | 48 |
| PAPA | 06/22/2015 18:53 AKDT | 8 | 250 | ** | ** | 7 (Smoke) | 5 | 81 | 50 |
| PAPA | 06/22/2015 19:53 AKDT | 9 | 300 | ** | ** | 7 (Smoke) | 1 | 77 | 50 |
| PAPA | 06/22/2015 20:53 AKDT | 8 | 240 | ** | ** | 7 (Smoke) | 1 | 76 | 49 |
| PAPA | 06/22/2015 21:53 AKDT | 6 | 230 | ** | ** | 7 (Smoke) | 2 | 73 | 48 |
| PAPA | 06/22/2015 22:53 AKDT | 7 | 310 | ** | ** | 7 (Smoke) | 2 | 74 | 48 |
| PAPA | 06/22/2015 23:53 AKDT | 7 | 300 | ** | ** | 7 (Smoke) | 3 | 66 | 48 |

Table 12. Hourly observation for Farbanks International Airport, June 22, 2015



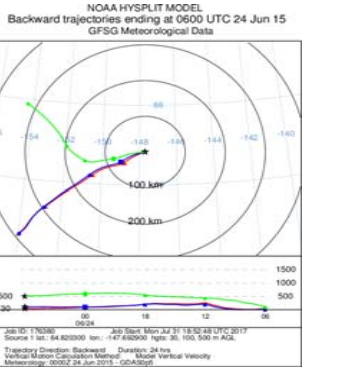
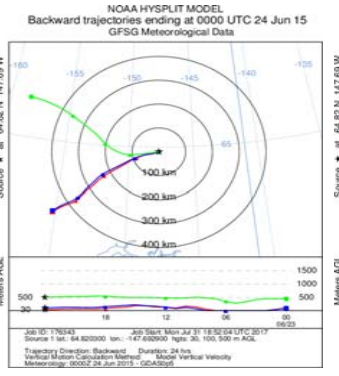
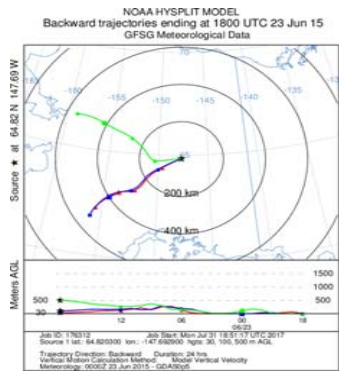
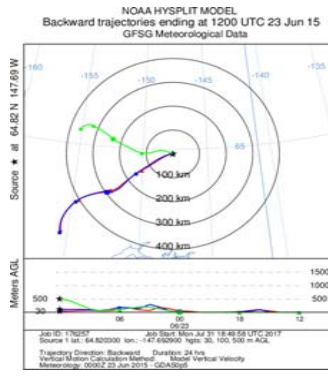
| hour | 88501 | 88502 | 88501 | 88502 | 88101 | 88101 | 88101 |
|---|------------|----------------|------------|--------------|---------|-----------|---------|
| | 34 34 corr | | 35 35 corr | | 34 35 | | |
| | BAM Ncore | Corr BAM Ncore | BAM NFF | Corr BAM NFF | FEM SOB | FEM Ncore | FEM NFF |
| 0 | 80 | 73.4 | 116 | 111.5 | 68.3 | 68.8 | 83.2 |
| 1 | 60 | 55 | 126 | 123.3 | 25.5 | | |
| 2 | 56 | 51.3 | 127 | 123.3 | 25.5 | | |
| 3 | 68 | 62.3 | 121 | 116.4 | 25.5 | | |
| 4 | 91 | 83.5 | 130 | 125.2 | 25.5 | | |
| 5 | 111 | 102 | 124 | 119.3 | 25.5 | | |
| 6 | 110 | 101 | 111 | 106.6 | 25.5 | | |
| 7 | 118 | 108.4 | 104 | 99.7 | 25.5 | | |
| 8 | 124 | 113.9 | 83 | 79.1 | 25.5 | | |
| 9 | 97 | 89.1 | 80 | 76.1 | 25.5 | | |
| 10 | 83 | 76.2 | 69 | 66.3 | 25.5 | | |
| 11 | 67 | 61.4 | 70 | 66.3 | 25.5 | | |
| 12 | 66 | 60.5 | 85 | 81 | 25.5 | | |
| 13 | 68 | 62.3 | 70 | 66.3 | 25.5 | | |
| 14 | 59 | 54 | 68 | 64.4 | 25.5 | | |
| 15 | 65 | 59.6 | 64 | 60.4 | 25.5 | | |
| 16 | 68 | 62.3 | 63 | 59.5 | 25.5 | | |
| 17 | 68 | 62.3 | 67 | 63.4 | 25.5 | | |
| 18 | 62 | 56.8 | 61 | 57.5 | 25.5 | | |
| 19 | 59 | 54 | 66 | 62.4 | 25.5 | | |
| 20 | 62 | 56.8 | 66 | 62.4 | 25.5 | | |
| 21 | 59 | 54 | 61 | 57.5 | 25.5 | | |
| 22 | 64 | 58.6 | 64 | 60.4 | 25.5 | | |
| 23 | 60 | 55 | 185 | 179.2 | 25.5 | | |
| BAM Ncore 2 2 BAM Ncore 2 2 BAM NFF 1 1 BAM NFF 2 Average | | | | | | | |
| | 76.0 | 69.7 | 90.5 | 86.4 | | | |



4 0
4 200
10 0
10 200
16 0
16 200
22 0
22 200

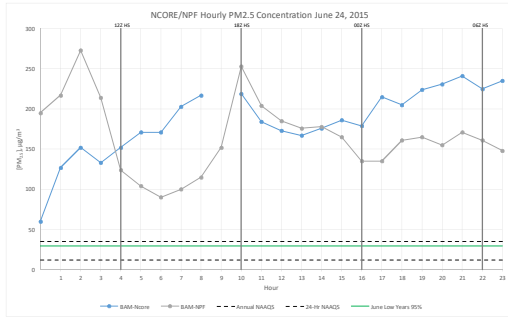
| Station | Date/Time | SPD (MPH) | DIR | Cond (MPH) | WX (Condition) | VIS (ISM) | TEMP (F) | DPF (F) |
|---------|-----------------------|-----------|-----|------------|----------------|-----------|----------|---------|
| PAPA | 06/23/2015 06:53 AKDT | 9 | 190 | ** | 7 (Smoke) | 2 | 61 | 49 |
| PAPA | 06/23/2015 07:53 AKDT | 7 | 230 | ** | 7 (Smoke) | 2 | 61 | 49 |
| PAPA | 06/23/2015 08:53 AKDT | 7 | 180 | ** | 7 (Smoke) | 2 | 63 | 50 |
| PAPA | 06/23/2015 09:53 AKDT | 5 | 200 | ** | 7 (Smoke) | 3 | 61 | 50 |
| PAPA | 06/23/2015 09:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 59 | 50 |
| PAPA | 06/23/2015 09:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 57 | 50 |
| PAPA | 06/23/2015 09:53 AKDT | 5 | 40 | ** | 7 (Smoke) | 2 | 57 | 52 |
| PAPA | 06/23/2015 07:53 AKDT | 3 | 130 | ** | 7 (Smoke) | 2 | 59 | 51 |
| PAPA | 06/23/2015 08:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 61 | 52 |
| PAPA | 06/23/2015 09:53 AKDT | 3 | 120 | ** | 7 (Smoke) | 2 | 62 | 52 |
| PAPA | 06/23/2015 09:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 63 | 52 |
| PAPA | 06/23/2015 11:53 AKDT | 3 | 200 | ** | 7 (Smoke) | 3 | 65 | 54 |
| PAPA | 06/23/2015 11:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 4 | 66 | 54 |
| PAPA | 06/23/2015 13:53 AKDT | 7 | 190 | ** | 7 (Smoke) | 4 | 70 | 55 |
| PAPA | 06/23/2015 14:53 AKDT | 5 | ** | ** | 7 (Smoke) | 5 | 72 | 55 |
| PAPA | 06/23/2015 15:53 AKDT | 5 | ** | ** | 7 (Smoke) | 5 | 75 | 54 |
| PAPA | 06/23/2015 16:53 AKDT | 7 | 180 | ** | 7 (Smoke) | 5 | 75 | 53 |
| PAPA | 06/23/2015 17:53 AKDT | 6 | 200 | ** | 7 (Smoke) | 4 | 75 | 52 |
| PAPA | 06/23/2015 18:53 AKDT | 8 | 190 | ** | 7 (Smoke) | 4 | 77 | 51 |
| PAPA | 06/23/2015 19:53 AKDT | 7 | 210 | ** | 7 (Smoke) | 4 | 75 | 52 |
| PAPA | 06/23/2015 20:53 AKDT | 6 | 230 | ** | 7 (Smoke) | 4 | 75 | 53 |
| PAPA | 06/23/2015 21:53 AKDT | 5 | 250 | ** | 7 (Smoke) | 4 | 73 | 54 |
| PAPA | 06/23/2015 22:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 4 | 69 | 56 |
| PAPA | 06/23/2015 23:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 4 | 64 | 59 |

Table 13. Hourly observation for Fairbanks International Airport, June 23, 2015



| hour | 88501 | 88502 | 88501 | 88502 | 88101 | 88101 | 88101 |
|------|------------|-------------|------------|--------------|----------|-----------|---------|
| | 34 34 corr | | 35 35 corr | | 35 34 35 | | |
| | BAM-Ncore | Corr BAM-NC | BAM-NPF | Corr BAM-NPF | FEM SQ | FEM Ncore | FEM NPF |
| 0 | 60 | 55 | 195 | 189 | 23.5 | 0 | 12 35 |
| 1 | 127 | 116.7 | 217 | 205.6 | 23.5 | 23 | 12 35 |
| 2 | 152 | 139.8 | 273 | 255.5 | 23.5 | | 12 35 |
| 3 | 133 | 122.2 | 214 | 207.6 | 23.5 | | 12 35 |
| 4 | 152 | 139.8 | 194 | 189.9 | 23.5 | | 12 35 |
| 5 | 171 | 157.3 | 104 | 99.7 | 23.5 | | 12 35 |
| 6 | 171 | 157.3 | 90 | 86 | 23.5 | | 12 35 |
| 7 | 209 | 186.8 | 100 | 95.8 | 23.5 | | 12 35 |
| 8 | 217 | 199.7 | 115 | 110.5 | 23.5 | | 12 35 |
| 9 | | | 152 | 146.8 | 23.5 | | 12 35 |
| 10 | 219 | 201.5 | 253 | 245.9 | 23.5 | | 12 35 |
| 11 | 184 | 169.2 | 204 | 197.8 | 23.5 | | 12 35 |
| 12 | 179 | 159.1 | 185 | 179.2 | 23.5 | | 12 35 |
| 13 | 187 | 153.6 | 176 | 170.4 | 23.5 | | 12 35 |
| 14 | 176 | 161.9 | 178 | 172.3 | 23.5 | | 12 35 |
| 15 | 186 | 171.1 | 165 | 159.6 | 23.5 | | 12 35 |
| 16 | 199 | 184.6 | 155 | 150.1 | 23.5 | | 12 35 |
| 17 | 215 | 197.8 | 135 | 130.1 | 23.5 | | 12 35 |
| 18 | 205 | 185.6 | 161 | 155.6 | 23.5 | | 12 35 |
| 19 | 224 | 206.1 | 165 | 159.6 | 23.5 | | 12 35 |
| 20 | 231 | 212.6 | 155 | 149.7 | 23.5 | | 12 35 |
| 21 | 241 | 221.8 | 171 | 165.4 | 23.5 | | 12 35 |
| 22 | 225 | 207 | 161 | 155.6 | 23.5 | | 12 35 |
| 23 | 235 | 216.2 | 148 | 142.9 | 23.5 | | 12 35 |

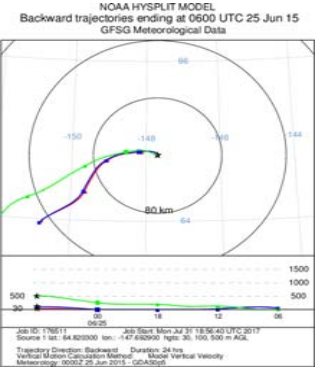
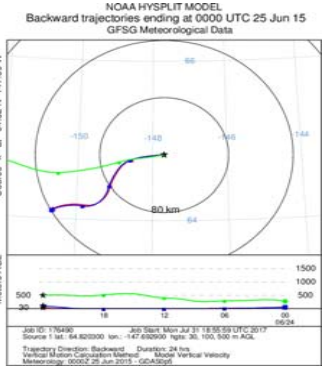
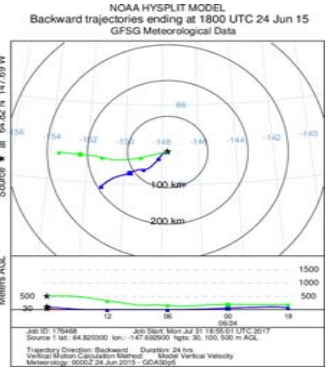
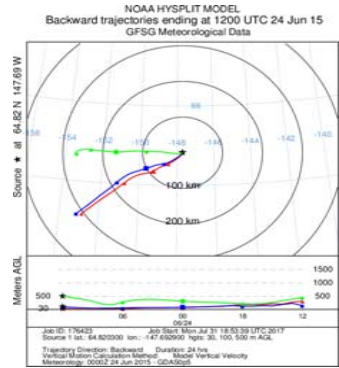
| BAM-NCcore | BAM-NCcore | BAM-NPF | FEM SQ | FEM Ncore | FEM NPF |
|------------|------------|---------|--------|-----------|---------|
| 184.6 | 169.8 | 165.7 | 162.2 | | |
| 184.6 | 169.8 | 165.7 | 162.2 | | |



4 0
4 300
10 0
10 300
16 0
16 300
22 0
22 300

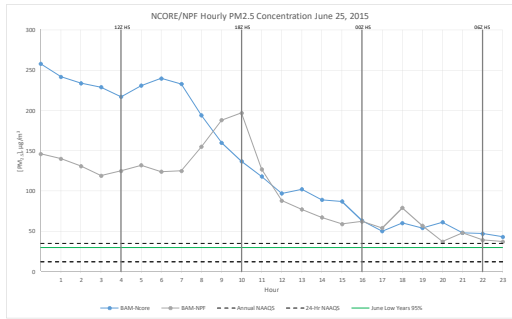
| Station | Date/Time | SPD (MPH) | DIR (From) | Wind (MPH) | WX Condition | VIS (SM) | TEMP (F) | DPT (F) |
|---------|-----------------------|-----------|------------|------------|--------------|----------|----------|---------|
| PAPA | 06/24/2015 00:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 4 | 61 | 53 |
| PAPA | 06/24/2015 01:53 AKDT | 7 | 40 | ** | 7 (Smoke) | 3 | 59 | 55 |
| PAPA | 06/24/2015 02:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 55 | 51 |
| PAPA | 06/24/2015 03:53 AKDT | 3 | 50 | ** | 7 (Smoke) | 2 | 57 | 54 |
| PAPA | 06/24/2015 04:53 AKDT | 3 | 50 | ** | 7 (Smoke) | 2 | 57 | 53 |
| PAPA | 06/24/2015 05:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 53 | 51 |
| PAPA | 06/24/2015 06:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 57 | 53 |
| PAPA | 06/24/2015 07:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 57 | 54 |
| PAPA | 06/24/2015 08:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 60 | 53 |
| PAPA | 06/24/2015 09:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 61 | 53 |
| PAPA | 06/24/2015 10:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 61 | 52 |
| PAPA | 06/24/2015 11:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 64 | 53 |
| PAPA | 06/24/2015 12:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 66 | 53 |
| PAPA | 06/24/2015 13:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 66 | 54 |
| PAPA | 06/24/2015 14:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 68 | 53 |
| PAPA | 06/24/2015 15:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 70 | 54 |
| PAPA | 06/24/2015 16:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 70 | 54 |
| PAPA | 06/24/2015 17:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 70 | 54 |
| PAPA | 06/24/2015 18:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 74 | 54 |
| PAPA | 06/24/2015 19:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 69 | 53 |
| PAPA | 06/24/2015 20:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 66 | 53 |
| PAPA | 06/24/2015 21:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 64 | 53 |
| PAPA | 06/24/2015 22:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 61 | 51 |
| PAPA | 06/24/2015 23:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 63 | 51 |

Table 14. Hourly observation for Fairbanks International Airport, June 24, 2015



| hour | 88501 | 88502 | 88501 | 88502 | 88101 | 88101 | 88101 |
|------|------------|----------------|------------|--------------|---------|-----------|---------|
| | 34 34 corr | | 35 35 corr | | 35 35 | | |
| | BAM Ncore | Corr BAM Ncore | BAM NPF | Corr BAM NPF | FEM SQB | FEM Ncore | FEM NPF |
| 0 | 258 | 237.4 | 146 | 140.9 | 29.5 | 0 | 12 35 |
| 1 | 242 | 222.7 | 140 | 135 | 29.5 | 23 | 12 35 |
| 2 | 234 | 215.3 | 131 | 126.2 | 29.5 | | 12 35 |
| 3 | 229 | 210.7 | 119 | 114.4 | 29.5 | | 12 35 |
| 4 | 217 | 199.7 | 115 | 110.3 | 29.5 | | 12 35 |
| 5 | 211 | 212.6 | 132 | 127.2 | 29.5 | | 12 35 |
| 6 | 240 | 220.9 | 124 | 119.3 | 29.5 | | 12 35 |
| 7 | 213 | 214.4 | 115 | 110.3 | 29.5 | | 12 35 |
| 8 | 194 | 178.5 | 115 | 109.7 | 29.5 | | 12 35 |
| 9 | 180 | 147.1 | 188 | 182.1 | 29.5 | | 12 35 |
| 10 | 137 | 125.9 | 197 | 191 | 29.5 | | 12 35 |
| 11 | 118 | 108.4 | 127 | 122.3 | 29.5 | | 12 35 |
| 12 | 97 | 89.1 | 88 | 84 | 29.5 | | 12 35 |
| 13 | 102 | 93.7 | 77 | 73.2 | 29.5 | | 12 35 |
| 14 | 89 | 81.7 | 67 | 63.4 | 29.5 | | 12 35 |
| 15 | 87 | 79.8 | 69 | 65.5 | 29.5 | | 12 35 |
| 16 | 63 | 57.7 | 62 | 58.5 | 29.5 | | 12 35 |
| 17 | 50 | 45.7 | 54 | 50.6 | 29.5 | | 12 35 |
| 18 | 60 | 55 | 79 | 75.2 | 29.5 | | 12 35 |
| 19 | 54 | 49.4 | 57 | 53.6 | 29.5 | | 12 35 |
| 20 | 61 | 55.9 | 37 | 33.9 | 29.5 | | 12 35 |
| 21 | 48 | 42.9 | 48 | 44.7 | 29.5 | | 12 35 |
| 22 | 47 | 43 | 39 | 35.9 | 29.5 | | 12 35 |
| 23 | 43 | 39.3 | 37 | 33.9 | 29.5 | | 12 35 |

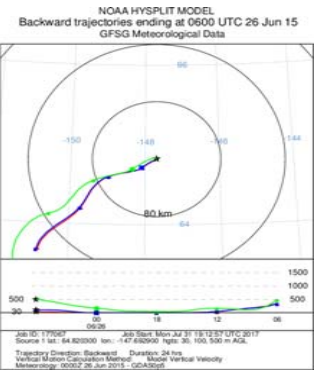
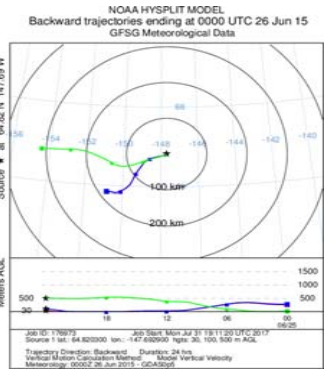
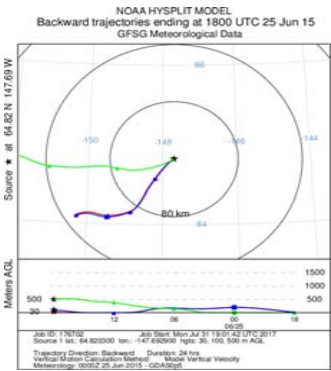
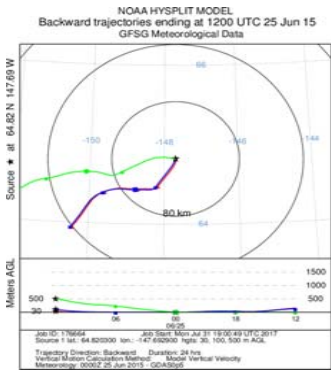
BAM Ncore BAM Ncore BAM FEM FEM FEM FEM Average
 117.3 126.2 100.5 96.3
 117.3 126.2 100.5 96.3



4 0
 4 300
 10 300
 16 0
 22 300

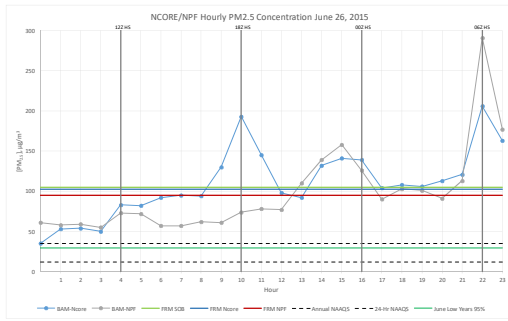
| Station | Date/Time | SPD (MPH) | DIR (From) | Wind (MPH) | WV Condition | VIS (SM) | TEMP (F) | DPT (F) |
|---------|-----------------------|-----------|------------|------------|--------------|----------|----------|---------|
| PAPA | 06/25/2015 00:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 60 | 53 |
| PAPA | 06/25/2015 01:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 59 | 53 |
| PAPA | 06/25/2015 02:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 58 | 54 |
| PAPA | 06/25/2015 03:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 55 | 54 |
| PAPA | 06/25/2015 04:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 54 | 54 |
| PAPA | 06/25/2015 05:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 55 | 53 |
| PAPA | 06/25/2015 06:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 1 | 56 | 53 |
| PAPA | 06/25/2015 07:53 AKDT | 3 | 80 | ** | 7 (Smoke) | 1 | 59 | 54 |
| PAPA | 06/25/2015 08:53 AKDT | 5 | 50 | ** | 7 (Smoke) | 1 | 61 | 54 |
| PAPA | 06/25/2015 09:53 AKDT | 3 | 120 | ** | 7 (Smoke) | 1 | 62 | 54 |
| PAPA | 06/25/2015 10:53 AKDT | 3 | 60 | ** | 7 (Smoke) | 1 | 64 | 55 |
| PAPA | 06/25/2015 11:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 68 | 55 |
| PAPA | 06/25/2015 12:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 72 | 55 |
| PAPA | 06/25/2015 13:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 74 | 54 |
| PAPA | 06/25/2015 14:53 AKDT | 3 | ** | ** | 7 (Smoke) | 2 | 75 | 54 |
| PAPA | 06/25/2015 15:53 AKDT | 3 | 170 | ** | 7 (Smoke) | 3 | 77 | 56 |
| PAPA | 06/25/2015 16:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 78 | 57 |
| PAPA | 06/25/2015 17:53 AKDT | 7 | 200 | ** | 7 (Smoke) | 4 | 77 | 56 |
| PAPA | 06/25/2015 18:53 AKDT | 2 | 210 | ** | 7 (Smoke) | 4 | 75 | 55 |
| PAPA | 06/25/2015 19:53 AKDT | 0 | 200 | ** | 7 (Smoke) | 4 | 73 | 55 |
| PAPA | 06/25/2015 20:53 AKDT | 7 | 200 | ** | 7 (Smoke) | 4 | 70 | 55 |
| PAPA | 06/25/2015 21:53 AKDT | 5 | 110 | ** | 7 (Smoke) | 4 | 64 | 56 |
| PAPA | 06/25/2015 22:53 AKDT | 3 | ** | ** | 7 (Smoke) | 5 | 63 | 56 |
| PAPA | 06/25/2015 23:53 AKDT | 0 | 140 | ** | 7 (Smoke) | 5 | 63 | 55 |

Table 15. Hourly observation for Fairbanks International Airport, June 25, 2015



| hour | 88501 | 88502 | 88501 | 88502 | 88101 | 88101 | 88101 |
|------|------------|------------|-------|-------|-------|-------|-------|
| | 34 34 corr | 35 35 corr | 34 | 34 | 35 | 34 | 35 |
| 0 | 35 | 31.9 | 61 | 57.5 | 105 | 102.4 | 95 |
| 1 | 53 | 48.5 | 58 | 54.6 | 29.5 | 29.5 | 23 |
| 2 | 54 | 49.4 | 59 | 55.5 | 29.5 | 29.5 | 23 |
| 3 | 50 | 45.7 | 55 | 51.6 | 29.5 | 29.5 | 23 |
| 4 | 83 | 76.2 | 73 | 69.3 | 29.5 | 29.5 | 23 |
| 5 | 82 | 75.2 | 72 | 68.3 | 29.5 | 29.5 | 23 |
| 6 | 92 | 84.5 | 81 | 77.6 | 29.5 | 29.5 | 23 |
| 7 | 95 | 87.2 | 84 | 80.3 | 29.5 | 29.5 | 23 |
| 8 | 94 | 86.3 | 82 | 78.5 | 29.5 | 29.5 | 23 |
| 9 | 130 | 119.5 | 116 | 112.6 | 29.5 | 29.5 | 23 |
| 10 | 133 | 122.5 | 119 | 115.6 | 29.5 | 29.5 | 23 |
| 11 | 145 | 133.3 | 128 | 124.2 | 29.5 | 29.5 | 23 |
| 12 | 98 | 90 | 77 | 73.2 | 29.5 | 29.5 | 23 |
| 13 | 92 | 84.5 | 71 | 67.6 | 29.5 | 29.5 | 23 |
| 14 | 132 | 121.3 | 119 | 114 | 29.5 | 29.5 | 23 |
| 15 | 141 | 129.6 | 128 | 123.7 | 29.5 | 29.5 | 23 |
| 16 | 139 | 127.8 | 126 | 121.3 | 29.5 | 29.5 | 23 |
| 17 | 104 | 95.5 | 90 | 86 | 29.5 | 29.5 | 23 |
| 18 | 108 | 99.2 | 103 | 98.7 | 29.5 | 29.5 | 23 |
| 19 | 106 | 97.4 | 101 | 96.8 | 29.5 | 29.5 | 23 |
| 20 | 113 | 103.8 | 91 | 86.9 | 29.5 | 29.5 | 23 |
| 21 | 121 | 111.2 | 113 | 108.5 | 29.5 | 29.5 | 23 |
| 22 | 206 | 189.5 | 201 | 193.2 | 29.5 | 29.5 | 23 |
| 23 | 163 | 149.9 | 177 | 171.3 | 29.5 | 29.5 | 23 |

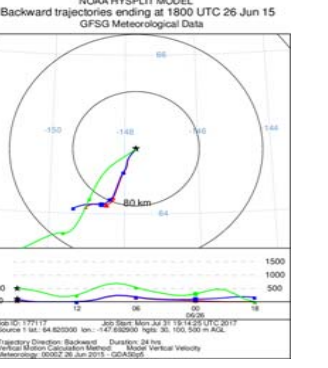
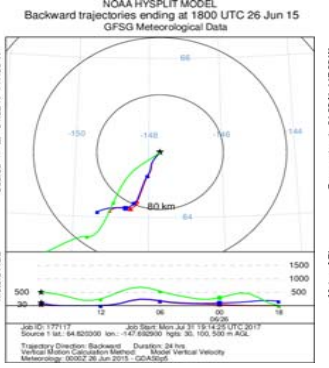
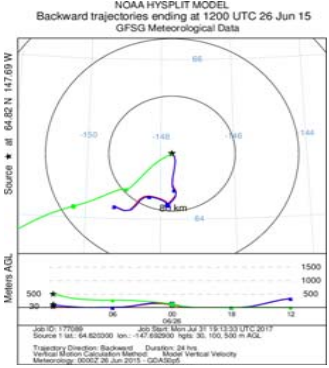
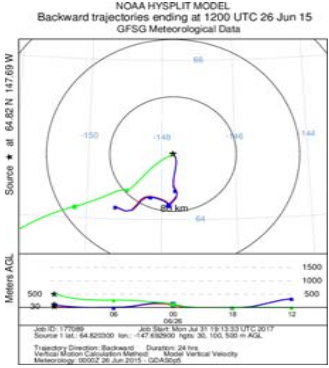
SAM Ncore SAM Ncore SAM Ncore SAM Ncore SAM Ncore SAM Ncore SAM Ncore SAM Ncore
 109.5 100.6 97.6 93.4
 109.5 100.6 97.6 93.4



4 0
 4 350
 10 0
 10 350
 16 0
 16 350
 22 0
 22 350

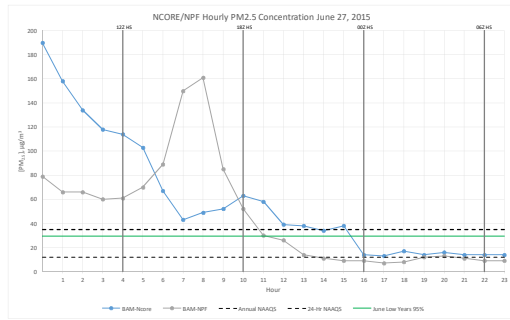
| Station | Date/Time | SPD (MPH) | DIR (From) | Wind (MPH) | Wx Condition | VIS (SM) | TEMP (F) | DPT (F) |
|---------|-----------------------|-----------|------------|------------|--------------|----------|----------|---------|
| PAPA | 06/26/2015 05:53 AKDT | 0 | 04 | ** | 7 (Smoke) | 4 | 61 | 53 |
| PAPA | 06/26/2015 02:53 AKDT | 0 | 01 | ** | 7 (Smoke) | 4 | 60 | 51 |
| PAPA | 06/26/2015 03:53 AKDT | 0 | 01 | ** | 7 (Smoke) | 4 | 59 | 51 |
| PAPA | 06/26/2015 04:53 AKDT | 3 | 20 | ** | 7 (Smoke) | 3 | 58 | 51 |
| PAPA | 06/26/2015 06:53 AKDT | 3 | 40 | ** | 7 (Smoke) | 3 | 57 | 50 |
| PAPA | 06/26/2015 07:53 AKDT | 7 | 350 | ** | 7 (Smoke) | 2 | 61 | 51 |
| PAPA | 06/26/2015 08:53 AKDT | 0 | 01 | ** | 7 (Smoke) | 3 | 59 | 50 |
| PAPA | 06/26/2015 09:53 AKDT | 0 | 01 | ** | 7 (Smoke) | 2 | 57 | 51 |
| PAPA | 06/26/2015 10:53 AKDT | 0 | 01 | ** | 7 (Smoke) | 2 | 57 | 51 |
| PAPA | 06/26/2015 11:53 AKDT | 6 | 40 | ** | 7 (Smoke) | 2 | 61 | 51 |
| PAPA | 06/26/2015 12:53 AKDT | 0 | 01 | ** | 7 (Smoke) | 2 | 58 | 50 |
| PAPA | 06/26/2015 13:53 AKDT | 3 | 130 | ** | 7 (Smoke) | 2 | 59 | 51 |
| PAPA | 06/26/2015 14:53 AKDT | 6 | 40 | ** | 7 (Smoke) | 2 | 61 | 51 |
| PAPA | 06/26/2015 15:53 AKDT | 3 | 20 | ** | 7 (Smoke) | 2 | 64 | 51 |
| PAPA | 06/26/2015 16:53 AKDT | 0 | 01 | ** | 7 (Smoke) | 2 | 63 | 51 |
| PAPA | 06/26/2015 17:53 AKDT | 3 | 260 | ** | 7 (Smoke) | 2 | 61 | 51 |
| PAPA | 06/26/2015 18:53 AKDT | 6 | 250 | ** | 7 (Smoke) | 3 | 60 | 51 |
| PAPA | 06/26/2015 19:53 AKDT | 6 | 250 | ** | 7 (Smoke) | 2 | 61 | 51 |
| PAPA | 06/26/2015 20:53 AKDT | 3 | 210 | ** | 7 (Smoke) | 2 | 64 | 51 |
| PAPA | 06/26/2015 21:53 AKDT | 3 | 270 | ** | 7 (Smoke) | 2 | 62 | 51 |
| PAPA | 06/26/2015 22:53 AKDT | 7 | 240 | ** | 7 (Smoke) | 3 | 61 | 50 |
| PAPA | 06/26/2015 23:53 AKDT | 3 | 240 | ** | 7 (Smoke) | 3 | 57 | 50 |

Table 16. Hourly observation for Fairbanks International Airport, June 26, 2015



| hour | 88501 34 34 corr | 88502 35 35 corr | 88501 Corr BAA-NCOBAM-NFF | 88502 Corr BAA-NFF | 88101 10 | 88101 34 | 88101 35 | June Low Years 95% | Annual NA 24-Hr NAAQS |
|------|---------------------|---------------------|------------------------------|-----------------------|-------------|-------------|-------------|--------------------|-----------------------|
| 0 | 190 | 174.8 | 79 | 75.2 | 25.5 | 0 | 12 | 35 | |
| 1 | 158 | 145.3 | 66 | 62.4 | 25.5 | 23 | 12 | 35 | |
| 2 | 134 | 123.2 | 66 | 62.4 | 25.5 | | 12 | 35 | |
| 3 | 118 | 108.4 | 60 | 56.5 | 25.5 | | 12 | 35 | |
| 4 | 114 | 104.7 | 61 | 57.5 | 25.5 | | 12 | 35 | |
| 5 | 103 | 94.6 | 70 | 66.3 | 25.5 | | 12 | 35 | |
| 6 | 67 | 61.4 | 89 | 85 | 25.5 | | 12 | 35 | |
| 7 | 43 | 39.3 | 150 | 144.8 | 25.5 | | 12 | 35 | |
| 8 | 49 | 44.8 | 161 | 155.6 | 25.5 | | 12 | 35 | |
| 9 | 52 | 47.6 | 85 | 81 | 25.5 | | 12 | 35 | |
| 10 | 63 | 57.7 | 52 | 48.7 | 25.5 | | 12 | 35 | |
| 11 | 58 | 53.1 | 30 | 27.1 | 25.5 | | 12 | 35 | |
| 12 | 39 | 35.6 | 26 | 23.1 | 25.5 | | 12 | 35 | |
| 13 | 38 | 34.7 | 14 | 11.4 | 25.5 | | 12 | 35 | |
| 14 | 34 | 31 | 11 | 8.4 | 25.5 | | 12 | 35 | |
| 15 | 38 | 34.7 | 9 | 8.5 | 25.5 | | 12 | 35 | |
| 16 | 14 | 12.6 | 9 | 8.5 | 25.5 | | 12 | 35 | |
| 17 | 13 | 11.6 | 7 | 4.5 | 25.5 | | 12 | 35 | |
| 18 | 17 | 15.3 | 8 | 5.5 | 25.5 | | 12 | 35 | |
| 19 | 14 | 12.6 | 12 | 9.4 | 25.5 | | 12 | 35 | |
| 20 | 16 | 14.4 | 13 | 10.4 | 25.5 | | 12 | 35 | |
| 21 | 14 | 12.6 | 11 | 8.4 | 25.5 | | 12 | 35 | |
| 22 | 14 | 12.6 | 9 | 8.5 | 25.5 | | 12 | 35 | |
| 23 | 14 | 12.6 | 9 | 8.5 | 25.5 | | 12 | 35 | |

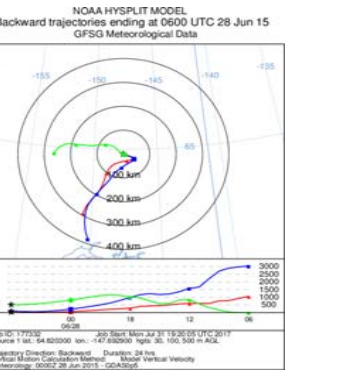
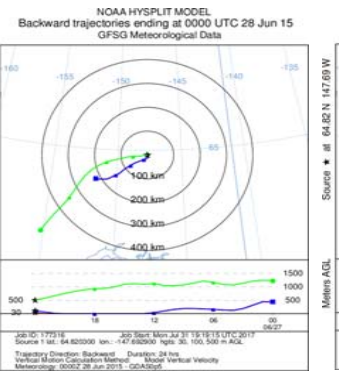
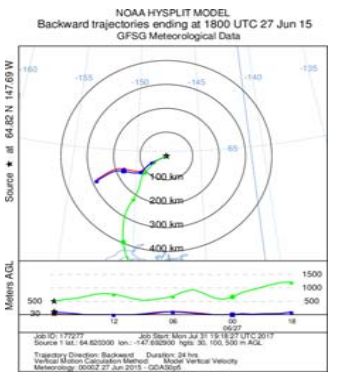
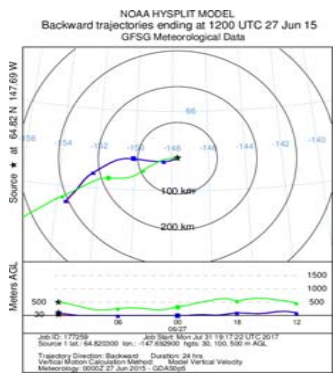
BAA-NCOBAM-NFF BAA-NCOBAM-NFF BAA-NFF BAA-NFF
 58.9 54.0 46.1 42.9
 58.9 54.0 46.1 42.9



4 0
 4 200
 10 0
 16 200
 16 200
 22 0
 22 200

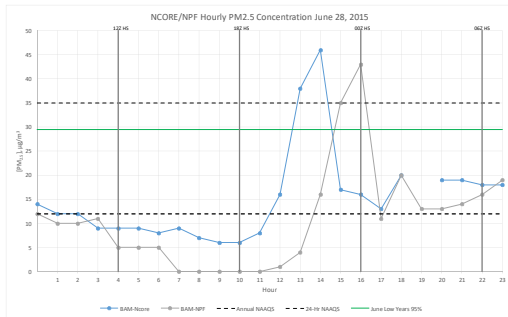
| Station | Date/Time | SPD (MPH) | DHR (FPM) | Wind (MPH) | WV (Condition) | VIS (SM) | TEMP (F) | DPT (F) |
|---------|-----------------------|-----------|-----------|------------|----------------|----------|----------|---------|
| PAA | 06/27/2015 06:53 AKDT | 5 | 220 | ** | 7 (Smoke) | 2 | 51 | 52 |
| PAA | 06/27/2015 01:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 51 | 52 |
| PAA | 06/27/2015 02:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 55 | 54 |
| PAA | 06/27/2015 03:53 AKDT | 3 | 200 | ** | 7 (Smoke) | 3 | 54 | 52 |
| PAA | 06/27/2015 04:53 AKDT | 3 | 10 | ** | 7 (Smoke) | 3 | 53 | 51 |
| PAA | 06/27/2015 05:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 53 | 54 |
| PAA | 06/27/2015 06:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 51 | 52 |
| PAA | 06/27/2015 07:53 AKDT | 3 | 200 | ** | 7 (Smoke) | 3 | 53 | 54 |
| PAA | 06/27/2015 08:53 AKDT | 3 | 230 | ** | 7 (Smoke) | 2 | 54 | 54 |
| PAA | 06/27/2015 09:53 AKDT | 3 | 220 | ** | 7 (Smoke) | 2 | 53 | 54 |
| PAA | 06/27/2015 10:53 AKDT | 3 | 200 | ** | 7 (Smoke) | 2 | 53 | 54 |
| PAA | 06/27/2015 11:53 AKDT | 3 | 190 | ** | 7 (Smoke) | 2 | 53 | 54 |
| PAA | 06/27/2015 12:53 AKDT | 5 | 210 | ** | 7 (Smoke) | 2 | 55 | 54 |
| PAA | 06/27/2015 13:53 AKDT | 6 | 180 | ** | 7 (Smoke) | 2 | 57 | 54 |
| PAA | 06/27/2015 14:53 AKDT | 3 | 190 | ** | 7 (Smoke) | 3 | 57 | 54 |
| PAA | 06/27/2015 15:53 AKDT | 5 | 130 | ** | 7 (Smoke) | 5 | 58 | 53 |
| PAA | 06/27/2015 16:53 AKDT | 8 | 120 | ** | 7 (Smoke) | 3 | 57 | 54 |
| PAA | 06/27/2015 17:53 AKDT | 5 | 120 | ** | 7 (Smoke) | 6 | 55 | 53 |
| PAA | 06/27/2015 18:53 AKDT | 3 | 110 | ** | 7 (Smoke) | 6 | 56 | 53 |
| PAA | 06/27/2015 19:53 AKDT | 3 | 60 | ** | 7 (Smoke) | 6 | 54 | 53 |
| PAA | 06/27/2015 20:53 AKDT | 3 | 60 | ** | 7 (Smoke) | 6 | 54 | 53 |
| PAA | 06/27/2015 21:53 AKDT | 5 | 80 | ** | 7 (Smoke) | 6 | 53 | 53 |
| PAA | 06/27/2015 22:53 AKDT | 6 | 200 | ** | 7 (Smoke) | 4 | 55 | 53 |
| PAA | 06/27/2015 23:53 AKDT | 3 | 50 | ** | 7 (Smoke) | 10 | 54 | 53 |

Table 17. Hourly observation for Fairbanks International Airport, June 27, 2015



| hour | 88501 | 88502 | 88501 | 88502 | 88101 | 88101 | 88101 |
|------|------------|----------------|------------|--------------|----------|-----------|---------|
| | 34 34 corr | | 35 35 corr | | 35 34 35 | | |
| | BAM-Ncore | Corr BAM-Ncore | BAM-NPF | Corr BAM-NPF | FEM SQS | FEM Ncore | FEM NPF |
| 0 | 14 | 12.6 | 12 | 9.4 | 25.5 | 0 | 12 35 |
| 1 | 12 | 10.7 | 10 | 7.4 | 25.5 | 23 | 12 35 |
| 2 | 12 | 10.7 | 10 | 7.4 | 25.5 | | 12 35 |
| 3 | 9 | 8 | 11 | 8.4 | 25.5 | | 12 35 |
| 4 | 9 | 8 | 5 | 2.5 | 25.5 | | 12 35 |
| 5 | 9 | 8 | 5 | 2.5 | 25.5 | | 12 35 |
| 6 | 8 | 7 | 5 | 2.5 | 25.5 | | 12 35 |
| 7 | 8 | 8 | 0 | 0 | 25.5 | | 12 35 |
| 8 | 7 | 6.1 | 0 | 0 | 25.5 | | 12 35 |
| 9 | 6 | 5.2 | 0 | 0 | 25.5 | | 12 35 |
| 10 | 6 | 5.2 | 0 | 0 | 25.5 | | 12 35 |
| 11 | 8 | 7 | 0 | 0 | 25.5 | | 12 35 |
| 12 | 16 | 14.4 | 1 | 0 | 25.5 | | 12 35 |
| 13 | 38 | 34.7 | 4 | 1.6 | 25.5 | | 12 35 |
| 14 | 46 | 42.1 | 16 | 13.3 | 25.5 | | 12 35 |
| 15 | 17 | 15.3 | 35 | 32 | 25.5 | | 12 35 |
| 16 | 16 | 14.4 | 43 | 39.8 | 25.5 | | 12 35 |
| 17 | 13 | 11.6 | 11 | 8.4 | 25.5 | | 12 35 |
| 18 | 20 | 18.1 | 20 | 17.3 | 25.5 | | 12 35 |
| 19 | 19 | 17.2 | 13 | 10.4 | 25.5 | | 12 35 |
| 20 | 19 | 17.2 | 13 | 10.4 | 25.5 | | 12 35 |
| 21 | 19 | 17.2 | 14 | 11.4 | 25.5 | | 12 35 |
| 22 | 18 | 16.2 | 16 | 13.3 | 25.5 | | 12 35 |
| 23 | 18 | 16.2 | 19 | 16.3 | 25.5 | | 12 35 |

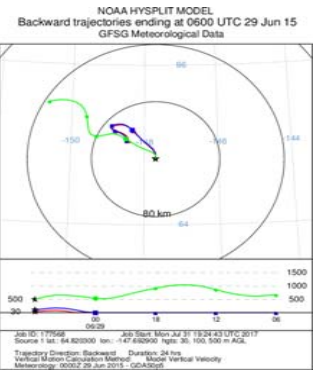
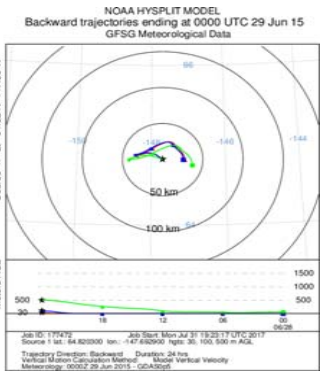
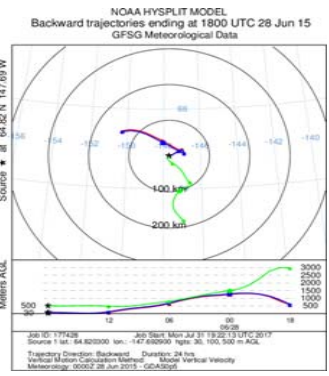
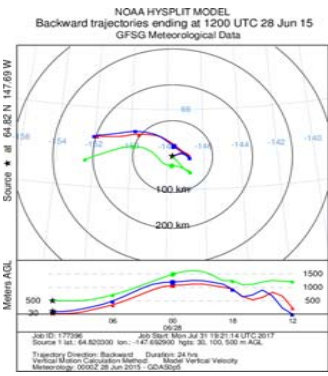
BAM-Ncore1 BAM-Ncore2 BAM-FEM1 BAM-FEM2 Average
 15.2 13.6 11.0 8.9
 15.2 13.6 11.0 8.9



4 0
 4 50
 10 0
 10 50
 16 0
 16 50
 22 0
 22 50

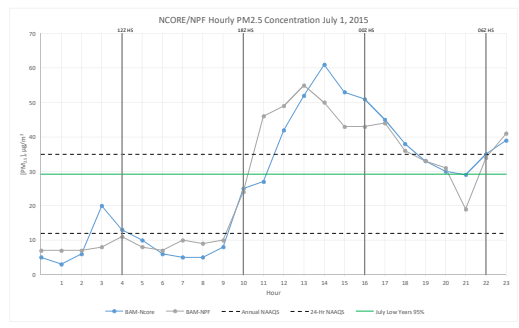
| Station | Date/Time | SPD (MPH) | DIR (From) | Wind (MPH) | WX Condition | VIS (SM) | TEMP (F) | DPT (F) |
|---------|-----------------------|-----------|------------|------------|--------------|----------|----------|---------|
| PAPA | 06/28/2015 00:53 AKDT | 4 | 360 | ** | ** | 10 | 54 | 53 |
| PAPA | 06/28/2015 01:53 AKDT | 5 | 10 | ** | ** | 10 | 54 | 50 |
| PAPA | 06/28/2015 02:53 AKDT | 5 | 270 | ** | ** | 10 | 52 | 50 |
| PAPA | 06/28/2015 03:53 AKDT | 3 | 350 | ** | ** | 10 | 52 | 49 |
| PAPA | 06/28/2015 04:53 AKDT | 3 | 0 | ** | ** | 10 | 52 | 49 |
| PAPA | 06/28/2015 05:53 AKDT | 3 | 350 | ** | ** | 9 (Fog) | 54 | 53 |
| PAPA | 06/28/2015 06:53 AKDT | 3 | 70 | ** | ** | 10 | 53 | 50 |
| PAPA | 06/28/2015 07:53 AKDT | 0 | 0 | ** | ** | 10 | 57 | 50 |
| PAPA | 06/28/2015 08:53 AKDT | 0 | 0 | ** | ** | 10 | 57 | 51 |
| PAPA | 06/28/2015 09:53 AKDT | 3 | ** | ** | ** | 10 | 61 | 50 |
| PAPA | 06/28/2015 10:53 AKDT | 0 | 0 | ** | ** | 10 | 63 | 49 |
| PAPA | 06/28/2015 11:53 AKDT | 3 | ** | ** | ** | 10 | 65 | 49 |
| PAPA | 06/28/2015 12:53 AKDT | 3 | ** | ** | ** | 10 | 66 | 49 |
| PAPA | 06/28/2015 13:53 AKDT | 8 | 310 | ** | ** | 10 | 64 | 50 |
| PAPA | 06/28/2015 14:53 AKDT | 9 | 360 | ** | 7 (Smoke) | 5 | 67 | 53 |
| PAPA | 06/28/2015 15:53 AKDT | 10 | 340 | ** | 7 (Smoke) | 6 | 68 | 48 |
| PAPA | 06/28/2015 16:53 AKDT | 12 | 150 | ** | 7 (Smoke) | 6 | 68 | 49 |
| PAPA | 06/28/2015 17:53 AKDT | 3 | 310 | ** | 7 (Smoke) | 6 | 66 | 47 |
| PAPA | 06/28/2015 18:53 AKDT | 8 | 250 | ** | 7 (Smoke) | 6 | 67 | 47 |
| PAPA | 06/28/2015 19:53 AKDT | 5 | 330 | ** | 7 (Smoke) | 6 | 65 | 47 |
| PAPA | 06/28/2015 20:53 AKDT | 5 | 320 | ** | 7 (Smoke) | 6 | 66 | 46 |
| PAPA | 06/28/2015 21:53 AKDT | 5 | 360 | ** | ** | 10 | 64 | 46 |
| PAPA | 06/28/2015 22:53 AKDT | 0 | 0 | ** | ** | 10 | 60 | 49 |
| PAPA | 06/28/2015 23:53 AKDT | 0 | 360 | ** | ** | 10 | 58 | 49 |

Table 15. Hourly observation for Fairbanks International Airport, June 28, 2015



| hour | 88501 34 34 corr | 88502 35 35 corr | 88501 34 34 corr | 88502 35 35 corr | 88101 34 34 | 88101 35 35 | 88101 34 34 | 88101 35 35 | July Low Years 95% | Annual NA 24-Hr NAAQS |
|------|---------------------|---------------------|---------------------|---------------------|----------------|----------------|----------------|----------------|--------------------|-----------------------|
| 0 | 5 | 4.3 | 7 | 4.5 | 29.2 | 0 | 12 | 35 | | |
| 1 | 3 | 2.4 | 7 | 4.5 | 29.2 | 23 | 12 | 35 | | |
| 2 | 6 | 5.2 | 7 | 4.5 | 29.2 | | 12 | 35 | | |
| 3 | 20 | 18.1 | 8 | 5.5 | 29.2 | | 12 | 35 | | |
| 4 | 19 | 11.6 | 11 | 8.4 | 29.2 | | 12 | 35 | | |
| 5 | 10 | 8.9 | 8 | 5.5 | 29.2 | | 12 | 35 | | |
| 6 | 6 | 5.2 | 7 | 4.5 | 29.2 | | 12 | 35 | | |
| 7 | 5 | 4.3 | 10 | 7.4 | 29.2 | | 12 | 35 | | |
| 8 | 5 | 4.3 | 9 | 6.5 | 29.2 | | 12 | 35 | | |
| 9 | 8 | 7 | 10 | 7.4 | 29.2 | | 12 | 35 | | |
| 10 | 25 | 22.7 | 24 | 21.2 | 29.2 | | 12 | 35 | | |
| 11 | 27 | 24.5 | 46 | 42.8 | 29.2 | | 12 | 35 | | |
| 12 | 42 | 38.4 | 49 | 46.7 | 29.2 | | 12 | 35 | | |
| 13 | 52 | 47.6 | 55 | 51.6 | 29.2 | | 12 | 35 | | |
| 14 | 61 | 55.9 | 50 | 46.7 | 29.2 | | 12 | 35 | | |
| 15 | 53 | 48.5 | 43 | 39.8 | 29.2 | | 12 | 35 | | |
| 16 | 51 | 46.7 | 43 | 39.8 | 29.2 | | 12 | 35 | | |
| 17 | 45 | 41.1 | 44 | 40.8 | 29.2 | | 12 | 35 | | |
| 18 | 38 | 34.7 | 35 | 33 | 29.2 | | 12 | 35 | | |
| 19 | 33 | 30.1 | 33 | 30 | 29.2 | | 12 | 35 | | |
| 20 | 30 | 27.3 | 31 | 28.1 | 29.2 | | 12 | 35 | | |
| 21 | 29 | 26.4 | 30 | 28.3 | 29.2 | | 12 | 35 | | |
| 22 | 35 | 31.9 | 34 | 31 | 29.2 | | 12 | 35 | | |
| 23 | 39 | 35.6 | 41 | 37.9 | 29.2 | | 12 | 35 | | |

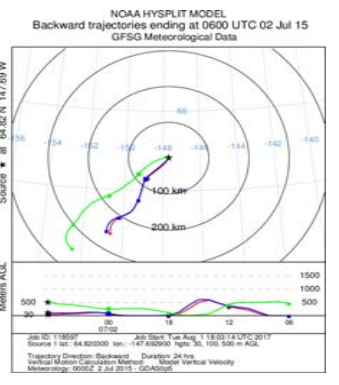
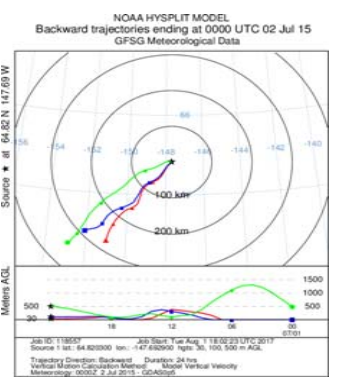
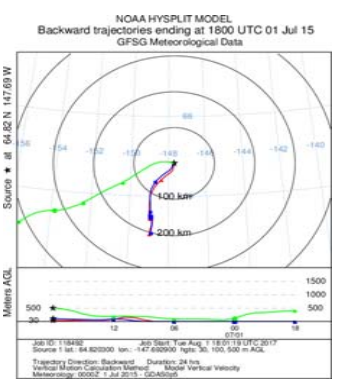
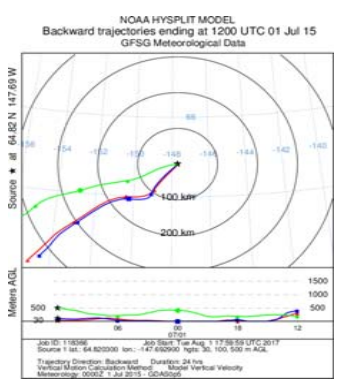
BAM NCOE2 BAM NCOE2 BAM Fire BAM Fire Average
26.7 24.3 26.3 23.5
26.7 24.3 26.3 23.5



| | |
|----|----|
| 4 | 0 |
| 4 | 70 |
| 10 | 0 |
| 10 | 70 |
| 16 | 0 |
| 16 | 70 |
| 22 | 0 |
| 22 | 70 |

| Station | Date/Time | SPD (MPH) | DIR (From) | Wind (MPH) | WX Condition | VIS (SM) | TEMP (F) | DPT (F) |
|---------|-----------------------|-----------|------------|------------|--------------|----------|----------|---------|
| PAPA | 07/01/2015 00:53 AKDT | 0 | 150 | ** | 7 (Smoke) | 3 | 53 | 54 |
| PAPA | 07/01/2015 01:53 AKDT | 5 | 210 | ** | 7 (Smoke) | 6 | 53 | 54 |
| PAPA | 07/01/2015 02:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 5 | 53 | 53 |
| PAPA | 07/01/2015 03:53 AKDT | 3 | 190 | ** | 7 (Smoke) | 4 | 53 | 54 |
| PAPA | 07/01/2015 04:53 AKDT | 5 | 40 | ** | 7 (Smoke) | 4 | 53 | 54 |
| PAPA | 07/01/2015 05:53 AKDT | 5 | 130 | ** | 7 (Smoke) | 6 | 54 | 54 |
| PAPA | 07/01/2015 06:53 AKDT | 3 | 160 | ** | ** | 7 | 54 | 53 |
| PAPA | 07/01/2015 07:53 AKDT | 3 | 170 | ** | ** | 10 | 55 | 53 |
| PAPA | 07/01/2015 08:53 AKDT | 3 | 200 | ** | ** | 10 | 55 | 53 |
| PAPA | 07/01/2015 09:53 AKDT | 0 | 0 | ** | ** | 10 | 65 | 53 |
| PAPA | 07/01/2015 10:53 AKDT | 5 | 240 | ** | ** | 7 | 64 | 52 |
| PAPA | 07/01/2015 11:53 AKDT | 8 | 240 | ** | ** | 7 | 55 | 53 |
| PAPA | 07/01/2015 12:53 AKDT | 7 | 240 | ** | 7 (Smoke) | 6 | 53 | 53 |
| PAPA | 07/01/2015 13:53 AKDT | 6 | 240 | ** | 7 (Smoke) | 3 | 57 | 53 |
| PAPA | 07/01/2015 14:53 AKDT | 6 | 210 | ** | 7 (Smoke) | 3 | 59 | 53 |
| PAPA | 07/01/2015 15:53 AKDT | 5 | 210 | ** | 7 (Smoke) | 3 | 59 | 54 |
| PAPA | 07/01/2015 16:53 AKDT | 6 | 200 | ** | 7 (Smoke) | 3 | 59 | 54 |
| PAPA | 07/01/2015 17:53 AKDT | 5 | 210 | ** | 7 (Smoke) | 3 | 60 | 54 |
| PAPA | 07/01/2015 18:53 AKDT | 6 | 210 | ** | 7 (Smoke) | 3 | 61 | 54 |
| PAPA | 07/01/2015 19:53 AKDT | 6 | 190 | ** | 7 (Smoke) | 3 | 61 | 54 |
| PAPA | 07/01/2015 20:53 AKDT | 6 | 210 | ** | 7 (Smoke) | 3 | 59 | 54 |
| PAPA | 07/01/2015 21:53 AKDT | 5 | 210 | ** | 7 (Smoke) | 3 | 57 | 54 |
| PAPA | 07/01/2015 22:53 AKDT | 8 | 170 | ** | 7 (Smoke) | 3 | 56 | 53 |
| PAPA | 07/01/2015 23:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 55 | 54 |

Table 15. Hourly observation for Fairbanks International Airport, July 01, 2015.

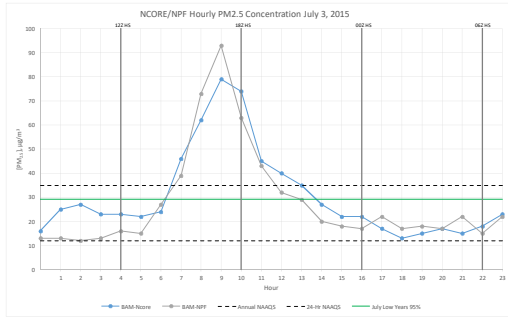


| hour | 88501 | 88502 | 88501 | 88502 | 88101 | 88101 | 88101 |
|------|------------|----------------|------------|--------------|---------|-----------|---------|
| | 34 34 corr | 35 35 corr | 35 35 corr | 35 35 corr | 35 35 | 34 | 35 |
| | BAM-Ncore | Corr-BAM-Ncore | BAM-NFF | Corr-BAM-NFF | FEM-SDB | FEM-Ncore | FEM-NFF |
| 0 | 16 | 14.4 | 13 | 10.4 | 29.2 | 0 | 29.2 |
| 1 | 25 | 22.7 | 13 | 10.4 | 29.2 | 23 | 29.2 |
| 2 | 27 | 24.5 | 12 | 9.4 | 29.2 | | 29.2 |
| 3 | 23 | 20.9 | 13 | 10.4 | 29.2 | | 29.2 |
| 4 | 23 | 20.9 | 16 | 13.3 | 29.2 | | 29.2 |
| 5 | 22 | 19.9 | 15 | 12.4 | 29.2 | | 29.2 |
| 6 | 24 | 21.8 | 27 | 24.1 | 29.2 | | 29.2 |
| 7 | 46 | 42.1 | 39 | 35.9 | 29.2 | | 29.2 |
| 8 | 62 | 56.8 | 73 | 69.3 | 29.2 | | 29.2 |
| 9 | 79 | 72.5 | 93 | 88.9 | 29.2 | | 29.2 |
| 10 | 74 | 67.9 | 63 | 105.5 | 29.2 | | 29.2 |
| 11 | 45 | 41.1 | 43 | 39.8 | 29.2 | | 29.2 |
| 12 | 40 | 36.5 | 32 | 29 | 29.2 | | 29.2 |
| 13 | 35 | 31.9 | 29 | 26.1 | 29.2 | | 29.2 |
| 14 | 27 | 24.5 | 20 | 17.3 | 29.2 | | 29.2 |
| 15 | 22 | 19.9 | 18 | 15.3 | 29.2 | | 29.2 |
| 16 | 22 | 19.9 | 17 | 14.3 | 29.2 | | 29.2 |
| 17 | 17 | 15.3 | 22 | 19.2 | 29.2 | | 29.2 |
| 18 | 13 | 11.6 | 17 | 14.3 | 29.2 | | 29.2 |
| 19 | 15 | 13.5 | 18 | 15.3 | 29.2 | | 29.2 |
| 20 | 17 | 15.3 | 17 | 14.3 | 29.2 | | 29.2 |
| 21 | 15 | 13.5 | 21 | 19.2 | 29.2 | | 29.2 |
| 22 | 18 | 16.2 | 15 | 12.4 | 29.2 | | 29.2 |
| 23 | 23 | 20.9 | 22 | 19.2 | 29.2 | | 29.2 |

Annual NA 24-Hr NAAQS: 12 35

July Low Years 95%: 29.2

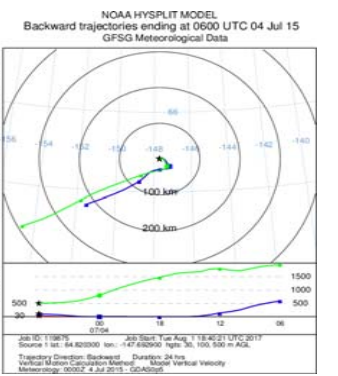
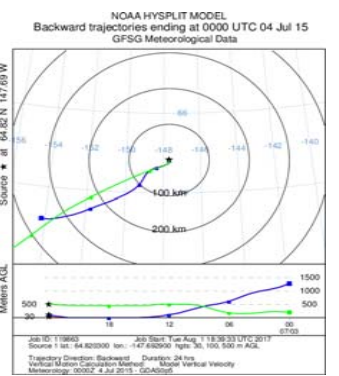
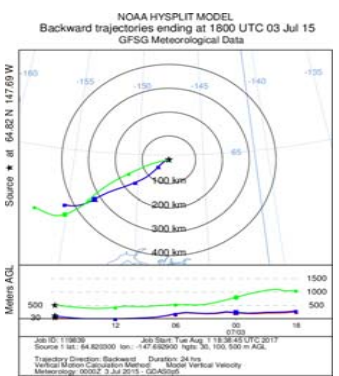
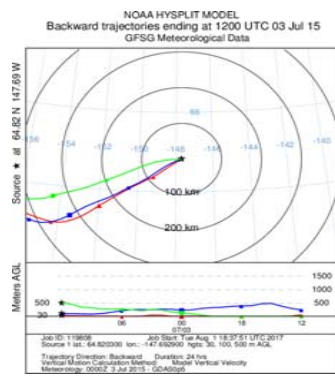
BAM-Ncore/BAM-Ncore/BAM-NFF/FEM-SDB/FEM-Ncore/FEM-NFF: 30.4 27.7 27.9 25.0



4 0
4 100
10 100
16 0
16 100
22 0
22 100

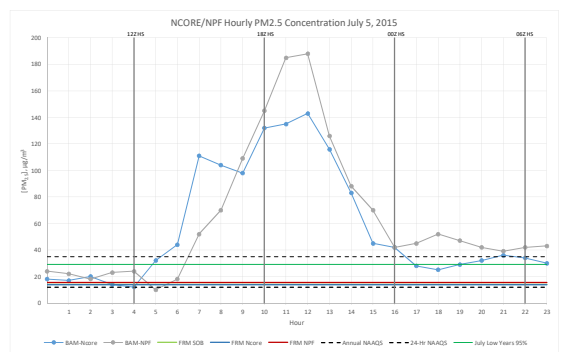
| Station | Date/Time | SPD (MPH) | DHR (Frost) | Gas (NPL) | WX Condition | VIS (SM) | TEMP (F) | DPT (F) |
|---------|-----------------------|-----------|-------------|-----------|--------------|----------|----------|---------|
| PAPA | 07/03/2015 06:53 AKDT | 3 | 230 | ** | ** | 10 | 53 | 46 |
| PAPA | 07/03/2015 07:53 AKDT | 7 | 190 | ** | ** | 10 | 51 | 45 |
| PAPA | 07/03/2015 08:53 AKDT | 3 | 210 | ** | ** | 10 | 48 | 43 |
| PAPA | 07/03/2015 09:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 4 | 47 | 43 |
| PAPA | 07/03/2015 10:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 48 | 45 |
| PAPA | 07/03/2015 11:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 4 | 48 | 45 |
| PAPA | 07/03/2015 12:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 50 | 49 |
| PAPA | 07/03/2015 13:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 54 | 49 |
| PAPA | 07/03/2015 14:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 54 | 49 |
| PAPA | 07/03/2015 15:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 4 | 57 | 49 |
| PAPA | 07/03/2015 16:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 4 | 61 | 49 |
| PAPA | 07/03/2015 17:53 AKDT | 4 | 90 | ** | 7 (Smoke) | 5 | 63 | 46 |
| PAPA | 07/03/2015 18:53 AKDT | 3 | 190 | ** | ** | 7 | 68 | 49 |
| PAPA | 07/03/2015 19:53 AKDT | 0 | 0 | ** | ** | 7 | 67 | 49 |
| PAPA | 07/03/2015 20:53 AKDT | 3 | 60 | ** | ** | 10 | 69 | 49 |
| PAPA | 07/03/2015 21:53 AKDT | 3 | 120 | ** | ** | 10 | 70 | 49 |
| PAPA | 07/03/2015 22:53 AKDT | 3 | 190 | ** | ** | 10 | 70 | 49 |
| PAPA | 07/03/2015 23:53 AKDT | 4 | 120 | ** | ** | 10 | 72 | 49 |
| PAPA | 07/03/2015 00:53 AKDT | 4 | 80 | ** | ** | 10 | 72 | 49 |
| PAPA | 07/03/2015 01:53 AKDT | 4 | 100 | ** | ** | 10 | 70 | 49 |
| PAPA | 07/03/2015 02:53 AKDT | 4 | 110 | ** | ** | 10 | 69 | 49 |
| PAPA | 07/03/2015 03:53 AKDT | 3 | 120 | ** | ** | 10 | 66 | 46 |
| PAPA | 07/03/2015 04:53 AKDT | 0 | 0 | ** | ** | 10 | 63 | 51 |
| PAPA | 07/03/2015 21:53 AKDT | 3 | 100 | ** | ** | 10 | 63 | 49 |

Table 27. Hourly observations for Fairbanks International Airport, July 03, 2015



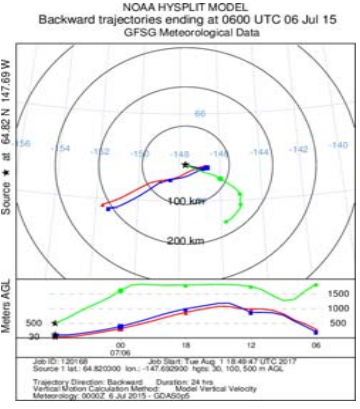
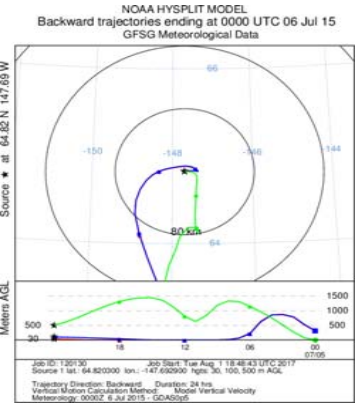
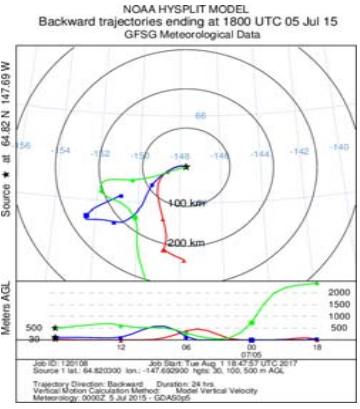
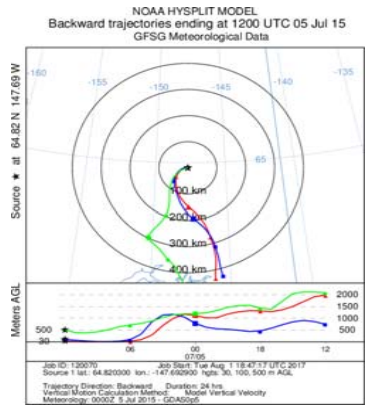
| hour | 88501 34 corr | 88502 35 corr | 88501 35 corr | 88502 35 corr | 88101 10 | 88101 34 | 88101 35 |
|------|------------------|------------------|------------------|------------------|-------------|-------------|-------------|
| 0 | 18 | 24 | 21.2 | 29.2 | 14 | 13.8 | 15.5 |
| 1 | 17 | 15.3 | 22 | 29.2 | 14 | 13.8 | 15.5 |
| 2 | 20 | 18.1 | 18 | 29.2 | 14 | 13.8 | 15.5 |
| 3 | 14 | 13.6 | 23 | 29.2 | 14 | 13.8 | 15.5 |
| 4 | 12 | 10.7 | 24 | 29.2 | 14 | 13.8 | 15.5 |
| 5 | 32 | 29.2 | 10 | 29.2 | 14 | 13.8 | 15.5 |
| 6 | 44 | 40.2 | 18 | 29.2 | 14 | 13.8 | 15.5 |
| 7 | 111 | 102 | 52 | 29.2 | 14 | 13.8 | 15.5 |
| 8 | 104 | 95.5 | 70 | 29.2 | 14 | 13.8 | 15.5 |
| 9 | 98 | 90 | 109 | 29.2 | 14 | 13.8 | 15.5 |
| 10 | 132 | 121.3 | 145 | 29.2 | 14 | 13.8 | 15.5 |
| 11 | 135 | 124.1 | 185 | 29.2 | 14 | 13.8 | 15.5 |
| 12 | 143 | 131.5 | 188 | 29.2 | 14 | 13.8 | 15.5 |
| 13 | 116 | 106.6 | 126 | 29.2 | 14 | 13.8 | 15.5 |
| 14 | 83 | 76.2 | 88 | 29.2 | 14 | 13.8 | 15.5 |
| 15 | 45 | 41.1 | 70 | 29.2 | 14 | 13.8 | 15.5 |
| 16 | 28 | 26.4 | 42 | 29.2 | 14 | 13.8 | 15.5 |
| 17 | 28 | 25.5 | 45 | 29.2 | 14 | 13.8 | 15.5 |
| 18 | 25 | 22.7 | 52 | 29.2 | 14 | 13.8 | 15.5 |
| 19 | 29 | 26.4 | 47 | 29.2 | 14 | 13.8 | 15.5 |
| 20 | 32 | 29.2 | 42 | 29.2 | 14 | 13.8 | 15.5 |
| 21 | 36 | 32.8 | 39 | 29.2 | 14 | 13.8 | 15.5 |
| 22 | 34 | 31 | 42 | 29.2 | 14 | 13.8 | 15.5 |
| 23 | 30 | 27.3 | 43 | 29.2 | 14 | 13.8 | 15.5 |

| Year | July Low Years 95% | Annual NA 24-Hr NAAQS |
|------|--------------------|-----------------------|
| 2010 | 29.2 | 1.2 35 |
| 2011 | 29.2 | 1.2 35 |
| 2012 | 29.2 | 1.2 35 |
| 2013 | 29.2 | 1.2 35 |
| 2014 | 29.2 | 1.2 35 |
| 2015 | 29.2 | 1.2 35 |
| 2016 | 29.2 | 1.2 35 |
| 2017 | 29.2 | 1.2 35 |
| 2018 | 29.2 | 1.2 35 |
| 2019 | 29.2 | 1.2 35 |
| 2020 | 29.2 | 1.2 35 |
| 2021 | 29.2 | 1.2 35 |
| 2022 | 29.2 | 1.2 35 |
| 2023 | 29.2 | 1.2 35 |



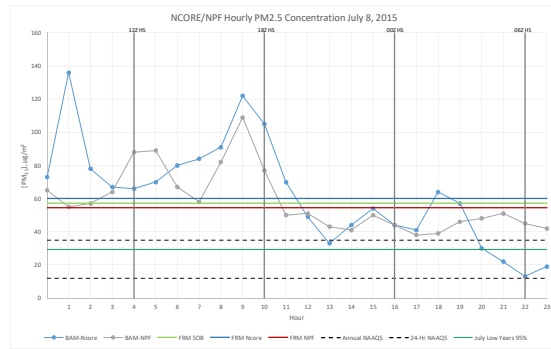
| Station | Date/Time | SPD (MPH) | DIR (From) | Gust (MPH) | WX (Condition) | VIS (SM) | TEMP (F) | DPT (F) |
|---------|-----------------------|-----------|------------|------------|----------------|----------|----------|---------|
| PAPA | 07/05/2015 00:53 AKDT | 0 | 0 | ** | ** | 10 | 63 | 52 |
| PAPA | 07/05/2015 01:53 AKDT | 0 | 0 | ** | ** | 10 | 64 | 50 |
| PAPA | 07/05/2015 02:53 AKDT | 0 | 0 | ** | ** | 10 | 64 | 48 |
| PAPA | 07/05/2015 03:53 AKDT | 3 | ** | ** | ** | 10 | 67 | 49 |
| PAPA | 07/05/2015 04:53 AKDT | 7 | 260 | ** | ** | 10 | 68 | 45 |
| PAPA | 07/05/2015 05:53 AKDT | 0 | 0 | ** | ** | 10 | 68 | 45 |
| PAPA | 07/05/2015 06:53 AKDT | 7 | 240 | ** | ** | 8 | 66 | 46 |
| PAPA | 07/05/2015 07:53 AKDT | 8 | 240 | ** | 7 (Smoke) | 2 | 64 | 46 |
| PAPA | 07/05/2015 08:53 AKDT | 9 | 250 | ** | 7 (Smoke) | 3 | 64 | 48 |
| PAPA | 07/05/2015 09:53 AKDT | 3 | 230 | ** | 7 (Smoke) | 3 | 64 | 49 |
| PAPA | 07/05/2015 10:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 64 | 50 |
| PAPA | 07/05/2015 11:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 66 | 52 |
| PAPA | 07/05/2015 12:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 72 | 52 |
| PAPA | 07/05/2015 13:53 AKDT | 6 | 150 | ** | 7 (Smoke) | 2 | 70 | 52 |
| PAPA | 07/05/2015 14:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 71 | 52 |
| PAPA | 07/05/2015 15:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 71 | 48 |
| PAPA | 07/05/2015 16:53 AKDT | 5 | 110 | ** | 7 (Smoke) | 4 | 77 | 48 |
| PAPA | 07/05/2015 17:53 AKDT | 3 | ** | ** | 7 (Smoke) | 6 | 78 | 47 |
| PAPA | 07/05/2015 18:53 AKDT | 5 | 80 | ** | 7 (Smoke) | 6 | 79 | 46 |
| PAPA | 07/05/2015 19:53 AKDT | 3 | 120 | ** | 7 (Smoke) | 6 | 79 | 48 |
| PAPA | 07/05/2015 20:53 AKDT | 3 | 90 | ** | 7 (Smoke) | 6 | 79 | 48 |
| PAPA | 07/05/2015 21:53 AKDT | 3 | 80 | ** | 7 (Smoke) | 6 | 75 | 52 |
| PAPA | 07/05/2015 22:53 AKDT | 3 | 350 | ** | 7 (Smoke) | 6 | 71 | 52 |
| PAPA | 07/05/2015 23:53 AKDT | 3 | 360 | ** | 7 (Smoke) | 6 | 68 | 53 |

Table 23. Hourly observation for Fairbanks International Airport, July 05, 2015



| hour | 88501 34 34 corr | 88502 35 35 corr | 88501 35 35 corr | 88502 35 35 corr | 88101 10 34 | 88101 34 35 | 88101 35 35 |
|------|---------------------|---------------------|---------------------|---------------------|----------------|----------------|----------------|
| 0 | 73 | 66.9 | 65 | 65.4 | 29.2 | 29.2 | 23 |
| 1 | 136 | 125 | 55 | 51.6 | 29.2 | 29.2 | 23 |
| 2 | 78 | 71.5 | 57 | 53.6 | 29.2 | 29.2 | 23 |
| 3 | 67 | 63.4 | 64 | 60.4 | 29.2 | 29.2 | 23 |
| 4 | 66 | 60.5 | 88 | 84 | 29.2 | 29.2 | 23 |
| 5 | 70 | 64.2 | 89 | 85 | 29.2 | 29.2 | 23 |
| 6 | 80 | 73.4 | 64 | 63.4 | 29.2 | 29.2 | 23 |
| 7 | 84 | 77.1 | 58 | 54.6 | 29.2 | 29.2 | 23 |
| 8 | 91 | 83.5 | 82 | 78.1 | 29.2 | 29.2 | 23 |
| 9 | 122 | 112.1 | 109 | 104.6 | 29.2 | 29.2 | 23 |
| 10 | 105 | 96.4 | 77 | 73.2 | 29.2 | 29.2 | 23 |
| 11 | 70 | 64.2 | 50 | 46.7 | 29.2 | 29.2 | 23 |
| 12 | 49 | 44.8 | 51 | 47.7 | 29.2 | 29.2 | 23 |
| 13 | 33 | 30.1 | 43 | 39.8 | 29.2 | 29.2 | 23 |
| 14 | 44 | 40.2 | 41 | 37.9 | 29.2 | 29.2 | 23 |
| 15 | 54 | 49.4 | 50 | 46.7 | 29.2 | 29.2 | 23 |
| 16 | 44 | 40.2 | 44 | 40.8 | 29.2 | 29.2 | 23 |
| 17 | 41 | 37.4 | 38 | 34.9 | 29.2 | 29.2 | 23 |
| 18 | 64 | 58.6 | 39 | 35.9 | 29.2 | 29.2 | 23 |
| 19 | 57 | 52.2 | 46 | 42.8 | 29.2 | 29.2 | 23 |
| 20 | 30 | 27.3 | 48 | 44.7 | 29.2 | 29.2 | 23 |
| 21 | 22 | 19.9 | 51 | 47.7 | 29.2 | 29.2 | 23 |
| 22 | 13 | 11.6 | 45 | 41.8 | 29.2 | 29.2 | 23 |
| 23 | 19 | 17.2 | 42 | 38.9 | 29.2 | 29.2 | 23 |

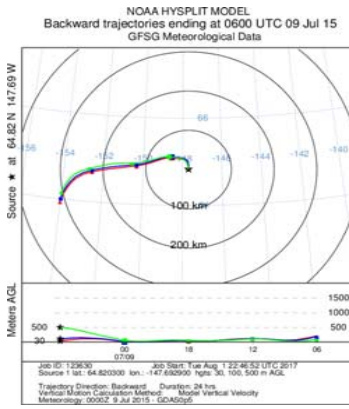
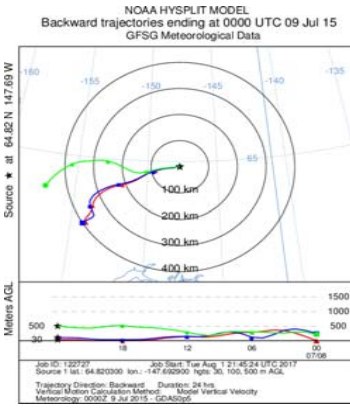
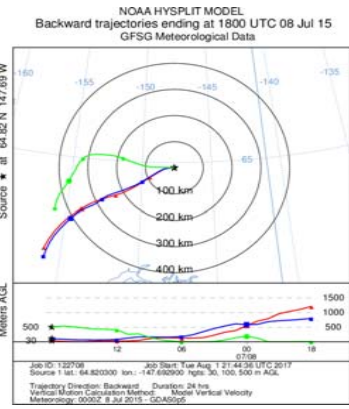
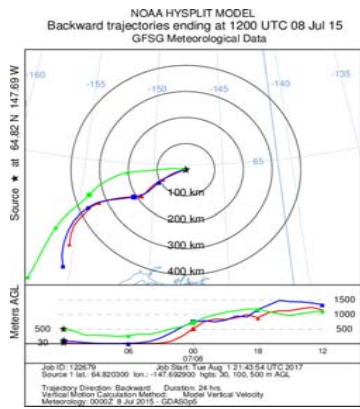
BAM-NCore1-B BAM-NCore2-B BAM-Fire1-F BAM-Fire2-Average
63.0 57.7 58.3 54.8
63.0 57.7 58.3 54.8



4 0
4 160
10 0
10 160
16 0
16 160
22 0
22 160

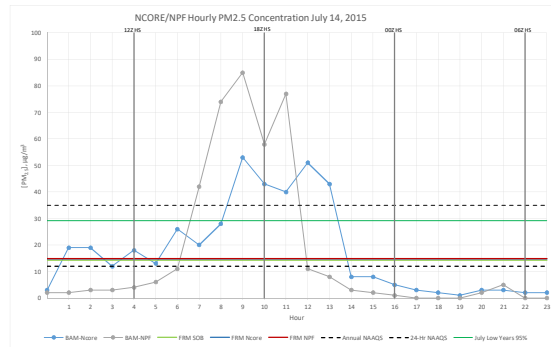
| Station | Date/Time | SPD (MPH) | DIR (From) | Wet (MPH) | WX Condition | VIS (SM) | TEMP (F) | DPT (F) |
|---------|-----------------------|-----------|------------|-----------|--------------|----------|----------|---------|
| PAPA | 07/08/2015 00:53 AKDT | 7 | 240 | ** | 7 (Smoke) | 3 | 57 | 53 |
| PAPA | 07/08/2015 01:53 AKDT | 8 | 220 | ** | 7 (Smoke) | 3 | 57 | 53 |
| PAPA | 07/08/2015 02:53 AKDT | 5 | 230 | ** | 7 (Smoke) | 3 | 55 | 52 |
| PAPA | 07/08/2015 03:53 AKDT | 3 | 230 | ** | 7 (Smoke) | 3 | 55 | 52 |
| PAPA | 07/08/2015 04:53 AKDT | 3 | 190 | ** | 7 (Smoke) | 2 | 55 | 50 |
| PAPA | 07/08/2015 05:53 AKDT | 5 | 200 | ** | 7 (Smoke) | 2 | 55 | 50 |
| PAPA | 07/08/2015 06:53 AKDT | 6 | 190 | ** | 7 (Smoke) | 2 | 55 | 52 |
| PAPA | 07/08/2015 07:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 2 | 57 | 52 |
| PAPA | 07/08/2015 08:53 AKDT | 3 | 200 | ** | 7 (Smoke) | 2 | 57 | 52 |
| PAPA | 07/08/2015 09:53 AKDT | 7 | ** | ** | 7 (Smoke) | 2 | 63 | 50 |
| PAPA | 07/08/2015 10:53 AKDT | 7 | 230 | ** | 7 (Smoke) | 2 | 64 | 51 |
| PAPA | 07/08/2015 11:53 AKDT | 6 | 200 | ** | 7 (Smoke) | 3 | 65 | 51 |
| PAPA | 07/08/2015 12:53 AKDT | 9 | 250 | ** | 7 (Smoke) | 6 | 65 | 49 |
| PAPA | 07/08/2015 13:53 AKDT | 7 | 250 | ** | ** | 7 | 66 | 46 |
| PAPA | 07/08/2015 14:53 AKDT | 7 | 230 | ** | ** | 7 | 70 | 45 |
| PAPA | 07/08/2015 15:53 AKDT | 7 | 210 | ** | ** | 8 | 66 | 48 |
| PAPA | 07/08/2015 16:53 AKDT | 5 | 210 | ** | ** | 8 | 68 | 48 |
| PAPA | 07/08/2015 17:53 AKDT | 5 | ** | ** | ** | 8 | 68 | 48 |
| PAPA | 07/08/2015 18:53 AKDT | 8 | 290 | ** | 7 (Smoke) | 6 | 70 | 43 |
| PAPA | 07/08/2015 19:53 AKDT | 8 | 310 | ** | 7 (Smoke) | 5 | 69 | 42 |
| PAPA | 07/08/2015 20:53 AKDT | 9 | 340 | ** | 7 (Smoke) | 6 | 69 | 46 |
| PAPA | 07/08/2015 21:53 AKDT | 7 | 10 | ** | ** | 9 | 64 | 47 |
| PAPA | 07/08/2015 22:53 AKDT | 6 | 10 | ** | ** | 10 | 61 | 47 |
| PAPA | 07/08/2015 23:53 AKDT | 5 | 10 | ** | ** | 10 | 59 | 46 |

Table 26. Hourly observation for Fairbanks International Airport, July 08, 2015



| hour | 88501 | 88502 | 88501 | 88502 | 88101 | 88101 | 88101 |
|------|-------|-------|-------|-------|---------|---------|---------|
| 0 | 3 | 2 | 2 | 0 | 10 | 34 | 35 |
| 1 | 19 | 17.2 | 2 | 0 | FRM SDR | FRM NCR | FRM NPF |
| 2 | 19 | 17.2 | 3 | 0.6 | 14.3 | 14.7 | 14.8 |
| 3 | 12 | 10.7 | 3 | 0.6 | 29.2 | | |
| 4 | 16.2 | 4 | 1.6 | | 29.2 | | |
| 5 | 13 | 11.6 | 6 | 3.5 | 29.2 | | |
| 6 | 16 | 23.6 | 11 | 8.4 | 29.2 | | |
| 7 | 20 | 18.1 | 42 | 38.9 | 29.2 | | |
| 8 | 28 | 25.5 | 74 | 70.3 | 29.2 | | |
| 9 | 47 | 48.5 | 85 | 81 | 29.2 | | |
| 10 | 43 | 39.3 | 58 | 54.6 | 29.2 | | |
| 11 | 40 | 36.5 | 77 | 73.2 | 29.2 | | |
| 12 | 51 | 46.7 | 11 | 8.4 | 29.2 | | |
| 13 | 43 | 39.3 | 8 | 5.5 | 29.2 | | |
| 14 | 8 | 7 | 3 | 0.6 | 29.2 | | |
| 15 | 8 | 7 | 2 | 0 | 29.2 | | |
| 16 | 5 | 4.3 | 1 | 0 | 29.2 | | |
| 17 | 3 | 2.4 | 0 | 0 | 29.2 | | |
| 18 | 2 | 1.5 | 0 | 0 | 29.2 | | |
| 19 | 1 | 0.6 | 0 | 0 | 29.2 | | |
| 20 | 3 | 2.4 | 2 | 0 | 29.2 | | |
| 21 | 3 | 2.4 | 5 | 2.5 | 29.2 | | |
| 22 | 2 | 1.5 | 0 | 0 | 29.2 | | |
| 23 | 2 | 1.5 | 0 | 0 | 29.2 | | |

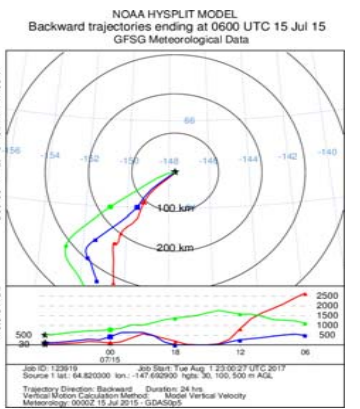
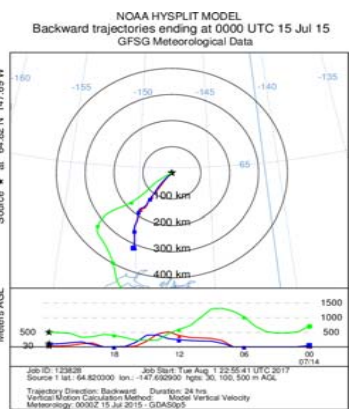
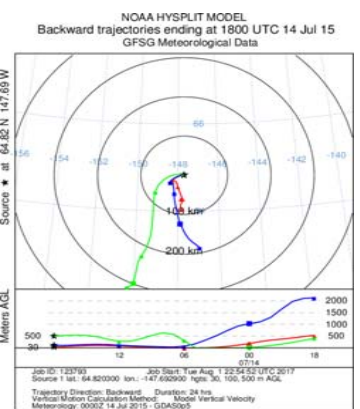
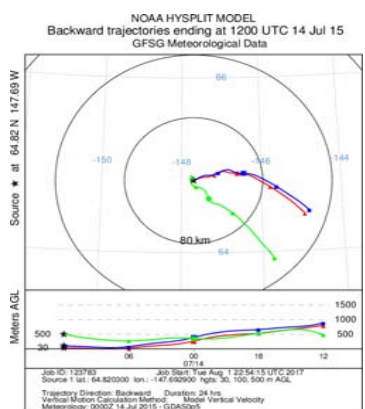
| BAM-NCore1-4 | BAM-NCore2-7 | BAM-Fire1-7 | BAM-Fire2-Average |
|--------------|--------------|-------------|-------------------|
| 17.7 | 16.0 | 16.6 | 14.6 |
| 17.7 | 16.0 | 16.6 | 14.6 |



4 0
4 100
10 0
10 100
16 0
16 100
22 0
22 100

| Station | Date/Time | SPD (MPH) | DIR (From) | Gust (MPH) | WX Condition | VIS (SM) | TEMP (F) | DPF (F) |
|---------|-----------------------|-----------|------------|------------|--------------|----------|----------|---------|
| PAPA | 07/14/2015 00:53 AKDT | 5 | 360 | ** | ** | 10 | 62 | 53 |
| PAPA | 07/14/2015 01:53 AKDT | 0 | 0 | ** | ** | 10 | 63 | 53 |
| PAPA | 07/14/2015 02:53 AKDT | 5 | 150 | ** | ** | 10 | 59 | 54 |
| PAPA | 07/14/2015 03:53 AKDT | 3 | 290 | ** | ** | 10 | 61 | 54 |
| PAPA | 07/14/2015 04:53 AKDT | 3 | 100 | ** | ** | 10 | 57 | 54 |
| PAPA | 07/14/2015 05:53 AKDT | 5 | 90 | ** | ** | 10 | 59 | 54 |
| PAPA | 07/14/2015 06:53 AKDT | 5 | 40 | ** | ** | 10 | 57 | 54 |
| PAPA | 07/14/2015 07:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 5 | 57 | 55 |
| PAPA | 07/14/2015 08:53 AKDT | 5 | 140 | ** | 7 (Smoke) | 7 | 57 | 55 |
| PAPA | 07/14/2015 09:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 5 | 58 | 56 |
| PAPA | 07/14/2015 10:53 AKDT | 3 | 230 | ** | 7 (Smoke) | 6 | 59 | 55 |
| PAPA | 07/14/2015 11:53 AKDT | 7 | 240 | ** | 7 (Smoke) | 6 | 59 | 55 |
| PAPA | 07/14/2015 12:53 AKDT | 3 | 230 | ** | 7 (Smoke) | 5 | 59 | 54 |
| PAPA | 07/14/2015 13:53 AKDT | 7 | 230 | ** | 7 (Smoke) | 5 | 57 | 55 |
| PAPA | 07/14/2015 14:53 AKDT | 7 | 230 | ** | 7 (Smoke) | 6 | 59 | 55 |
| PAPA | 07/14/2015 15:53 AKDT | 8 | 230 | ** | ** | 10 | 58 | 49 |
| PAPA | 07/14/2015 16:53 AKDT | 12 | 230 | 21 | ** | 10 | 57 | 48 |
| PAPA | 07/14/2015 17:53 AKDT | 9 | 230 | ** | ** | 10 | 55 | 48 |
| PAPA | 07/14/2015 18:53 AKDT | 8 | 230 | ** | ** | 10 | 55 | 48 |
| PAPA | 07/14/2015 19:53 AKDT | 6 | 250 | ** | ** | 10 | 53 | 46 |
| PAPA | 07/14/2015 20:53 AKDT | 5 | 260 | ** | ** | 10 | 56 | 48 |
| PAPA | 07/14/2015 21:53 AKDT | 5 | 250 | ** | ** | 10 | 56 | 48 |
| PAPA | 07/14/2015 22:53 AKDT | 3 | 210 | ** | ** | 10 | 55 | 48 |
| PAPA | 07/14/2015 23:53 AKDT | 5 | 170 | ** | ** | 10 | 55 | 49 |

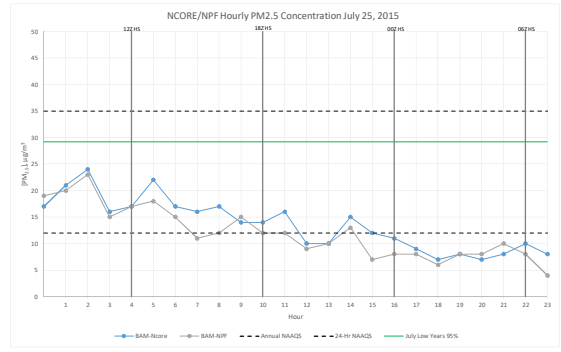
Table 28. Hourly observation for Fairbanks International Airport, July 14, 2015



| hour | 88501 34 corr | 88502 35 corr | 88501 35 corr | 88502 35 corr | 88101 10 | 88101 34 | 88101 35 |
|------|------------------|------------------|------------------|------------------|-------------|-------------|-------------|
| 0 | | | | | | | |
| 1 | 17 | 15.3 | 15 | 16.3 | | | |
| 2 | 21 | 19 | 20 | 17.3 | | | |
| 3 | 24 | 21.8 | 23 | 20.2 | | | |
| 4 | 16 | 14.4 | 15 | 12.4 | | | |
| 5 | 17 | 15.3 | 17 | 14.3 | | | |
| 6 | 22 | 19.9 | 18 | 15.3 | | | |
| 7 | 17 | 15.3 | 15 | 12.4 | | | |
| 8 | 16 | 14.4 | 11 | 8.4 | | | |
| 9 | 17 | 15.3 | 12 | 9.4 | | | |
| 10 | 14 | 12.6 | 15 | 12.4 | | | |
| 11 | 14 | 12.6 | 12 | 9.4 | | | |
| 12 | 16 | 14.4 | 12 | 9.4 | | | |
| 13 | 10 | 8.9 | 9 | 6.5 | | | |
| 14 | 10 | 8.9 | 10 | 7.4 | | | |
| 15 | 15 | 13.5 | 13 | 10.4 | | | |
| 16 | 12 | 10.7 | 7 | 4.5 | | | |
| 17 | 18 | 9.8 | 8 | 5.5 | | | |
| 18 | 9 | 8 | 8 | 5.5 | | | |
| 19 | 7 | 6.1 | 6 | 3.5 | | | |
| 20 | 8 | 7 | 8 | 5.5 | | | |
| 21 | 7 | 6.1 | 8 | 5.5 | | | |
| 22 | 10 | 8.9 | 8 | 5.5 | | | |
| 23 | 8 | 7 | 4 | 1.6 | | | |

| Year | July Low Years 95% | Annual NA 24-Hr NAAQS |
|------|--------------------|-----------------------|
| 2012 | 0 | 12 35 |
| 2013 | 23 | 12 35 |
| 2014 | 0 | 12 35 |
| 2015 | 0 | 12 35 |
| 2016 | 0 | 12 35 |
| 2017 | 0 | 12 35 |
| 2018 | 0 | 12 35 |
| 2019 | 0 | 12 35 |
| 2020 | 0 | 12 35 |
| 2021 | 0 | 12 35 |
| 2022 | 0 | 12 35 |
| 2023 | 0 | 12 35 |

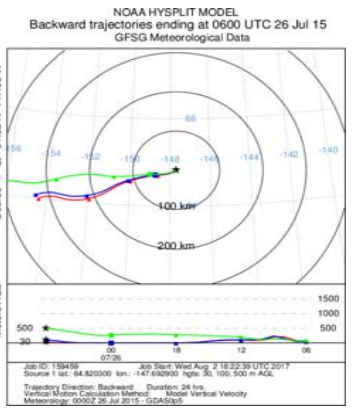
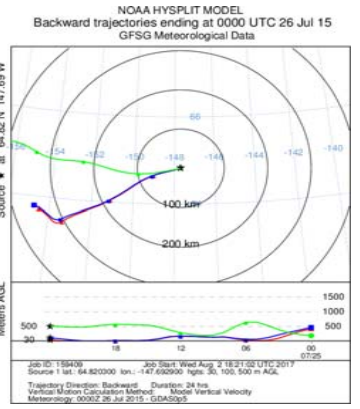
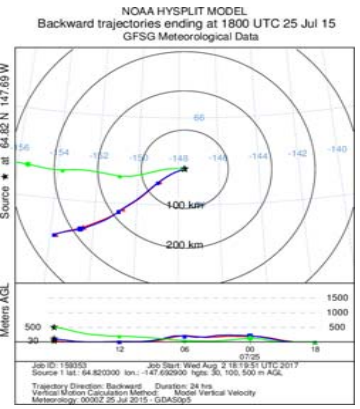
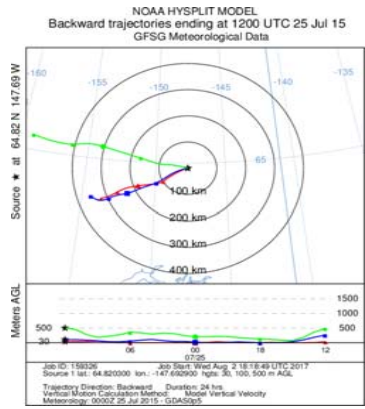
BAM-NCorr1-BAM-NCorr2-BAM-Fire1-BAM-Fire2-Average
 13.6 12.2 12.0 9.4
 13.6 12.2 13.0 9.4



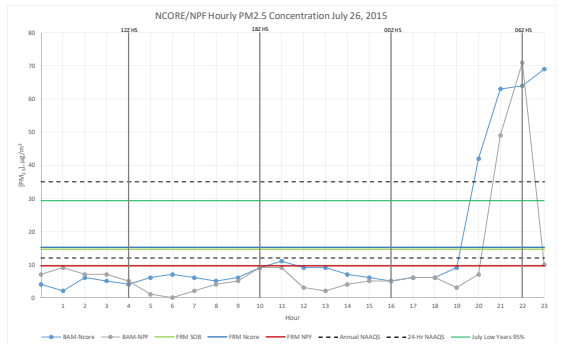
4 0
4 50
10 0
10 50
16 0
16 50
22 0
22 50

| Station | Date/Time | SPD (MPH) | DIR (From) | Gust (MPH) | WX Condition | VIS (SM) | TEMP (F) | DPW (F) |
|---------|-----------------------|-----------|------------|------------|--------------|----------|----------|---------|
| PAPA | 07/25/2015 00:53 AKDT | 5 | 210 | ** | ** | 10 | 63 | 54 |
| PAPA | 07/25/2015 01:53 AKDT | 6 | 200 | ** | ** | 10 | 61 | 54 |
| PAPA | 07/25/2015 02:53 AKDT | 7 | 250 | ** | ** | 10 | 61 | 54 |
| PAPA | 07/25/2015 03:53 AKDT | 7 | 220 | ** | ** | 10 | 63 | 54 |
| PAPA | 07/25/2015 04:53 AKDT | 5 | 230 | ** | ** | 10 | 59 | 54 |
| PAPA | 07/25/2015 05:53 AKDT | 3 | ** | ** | ** | 10 | 58 | 53 |
| PAPA | 07/25/2015 06:53 AKDT | 0 | 0 | ** | ** | 10 | 59 | 54 |
| PAPA | 07/25/2015 07:53 AKDT | 0 | 0 | ** | ** | 10 | 61 | 54 |
| PAPA | 07/25/2015 08:53 AKDT | 0 | 0 | ** | ** | 10 | 63 | 54 |
| PAPA | 07/25/2015 09:53 AKDT | 5 | ** | ** | ** | 10 | 64 | 55 |
| PAPA | 07/25/2015 10:53 AKDT | 5 | 200 | ** | ** | 10 | 66 | 55 |
| PAPA | 07/25/2015 11:53 AKDT | 7 | ** | ** | ** | 10 | 68 | 54 |
| PAPA | 07/25/2015 12:53 AKDT | 9 | 190 | ** | ** | 10 | 70 | 55 |
| PAPA | 07/25/2015 13:53 AKDT | 6 | 210 | ** | ** | 10 | 72 | 55 |
| PAPA | 07/25/2015 14:53 AKDT | 9 | 210 | ** | ** | 10 | 71 | 54 |
| PAPA | 07/25/2015 15:53 AKDT | 7 | 210 | ** | ** | 10 | 72 | 54 |
| PAPA | 07/25/2015 16:53 AKDT | 3 | ** | ** | ** | 10 | 62 | 55 |
| PAPA | 07/25/2015 17:53 AKDT | 3 | 250 | ** | ** | 10 | 70 | 54 |
| PAPA | 07/25/2015 18:53 AKDT | 6 | 210 | ** | ** | 10 | 70 | 55 |
| PAPA | 07/25/2015 19:53 AKDT | 6 | 240 | ** | ** | 10 | 72 | 52 |
| PAPA | 07/25/2015 20:53 AKDT | 5 | 240 | ** | ** | 10 | 71 | 52 |
| PAPA | 07/25/2015 21:53 AKDT | 6 | 210 | ** | ** | 10 | 66 | 54 |
| PAPA | 07/25/2015 22:53 AKDT | 5 | 200 | ** | ** | 10 | 64 | 55 |
| PAPA | 07/25/2015 23:53 AKDT | 5 | 160 | ** | ** | 10 | 63 | 54 |

Table 30. Hourly observation for Fairbanks International Airport, July 25, 2015



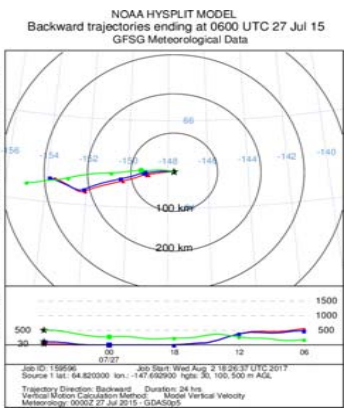
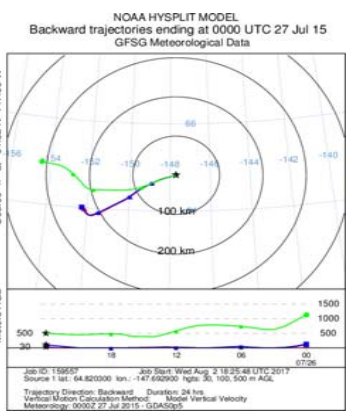
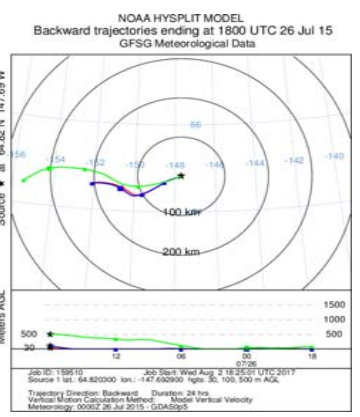
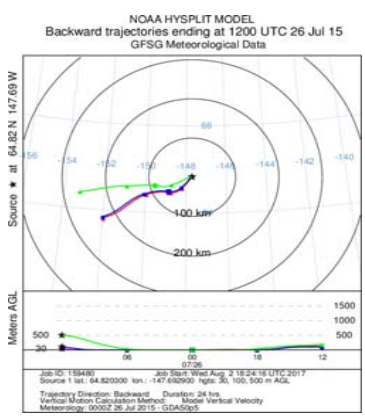
| hour | 88501 | 88502 | 88501 | 88502 | 88101 | 88101 | 88101 |
|---|-----------|-------|---------|-------|-----------|---------|---------|
| 4 | 34 corr | 33 | 7 | 4.5 | 10 | 34 | 35 |
| | BAM-Ncore | NC | BAM-NPF | NC | FRM-Ncore | FRM-NPF | FRM-NPF |
| 0 | 4 | 3.3 | 7 | 4.5 | 14.6 | 15.2 | 9.6 |
| 1 | 2 | 1.5 | 9 | 6.5 | 29.2 | | |
| 2 | 6 | 5.2 | 7 | 4.5 | 29.2 | | |
| 3 | 5 | 4.2 | 7 | 4.5 | 29.2 | | |
| 4 | 4 | 3.3 | 5 | 2.5 | 29.2 | | |
| 5 | 6 | 5.2 | 1 | 0 | 29.2 | | |
| 6 | 7 | 6.1 | 0 | 0 | 29.2 | | |
| 7 | 6 | 5.2 | 2 | 0 | 29.2 | | |
| 8 | 5 | 4.3 | 4 | 1.6 | 29.2 | | |
| 9 | 6 | 5.2 | 5 | 2.5 | 29.2 | | |
| 10 | 9 | 8 | 9 | 6.5 | 29.2 | | |
| 11 | 11 | 9.8 | 9 | 6.5 | 29.2 | | |
| 12 | 9 | 8 | 3 | 0.6 | 29.2 | | |
| 13 | 9 | 8 | 2 | 0 | 29.2 | | |
| 14 | 7 | 6.1 | 4 | 1.6 | 29.2 | | |
| 15 | 6 | 5.2 | 5 | 2.5 | 29.2 | | |
| 16 | 5 | 4.3 | 5 | 2.5 | 29.2 | | |
| 17 | 6 | 5.2 | 6 | 3.5 | 29.2 | | |
| 18 | 6 | 5.2 | 6 | 3.5 | 29.2 | | |
| 19 | 9 | 8 | 3 | 0.6 | 29.2 | | |
| 20 | 42 | 38.4 | 7 | 4.5 | 29.2 | | |
| 21 | 63 | 57.7 | 49 | 45.7 | 29.2 | | |
| 22 | 64 | 58.6 | 71 | 67.3 | 29.2 | | |
| 23 | 69 | 63.3 | 10 | 7.4 | 29.2 | | |
| BAM-NCore1-BAM-NCore2-BAM-Fire1-F-BAM-Fire2-Average | | | | | | | |
| | 15.3 | 13.7 | 9.8 | 7.5 | | | |
| | 15.3 | 13.7 | 9.8 | 7.5 | | | |



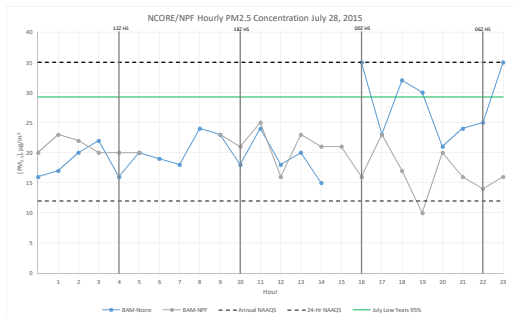
4 0
4 80
10 0
10 80
16 0
16 80
22 0
22 80

| Station | Date/Time | SPD (MPH) | DIR (From) | Gust (MPH) | WX Condition | VIS (SM) | TEMP (F) | DP (F) |
|---------|-----------------------|-----------|------------|------------|--------------|----------|----------|--------|
| PAPA | 07/26/2015 01:53 AKDT | 9 | 0 | ** | ** | 10 | 51 | 52 |
| PAPA | 07/26/2015 01:53 AKDT | 6 | 140 | ** | ** | 10 | 53 | 51 |
| PAPA | 07/26/2015 02:53 AKDT | 0 | 0 | ** | ** | 10 | 55 | 52 |
| PAPA | 07/26/2015 03:53 AKDT | 0 | 0 | ** | ** | 10 | 54 | 52 |
| PAPA | 07/26/2015 04:53 AKDT | 0 | 0 | ** | ** | 10 | 53 | 51 |
| PAPA | 07/26/2015 05:53 AKDT | 0 | 0 | ** | ** | 10 | 54 | 52 |
| PAPA | 07/26/2015 06:53 AKDT | 3 | 60 | ** | ** | 10 | 54 | 52 |
| PAPA | 07/26/2015 07:53 AKDT | 3 | 40 | ** | ** | 10 | 54 | 52 |
| PAPA | 07/26/2015 08:53 AKDT | 3 | 20 | ** | ** | 10 | 55 | 52 |
| PAPA | 07/26/2015 09:53 AKDT | 3 | ** | ** | ** | 10 | 57 | 52 |
| PAPA | 07/26/2015 10:53 AKDT | 3 | 40 | ** | ** | 10 | 60 | 53 |
| PAPA | 07/26/2015 11:53 AKDT | 3 | ** | ** | ** | 10 | 63 | 54 |
| PAPA | 07/26/2015 12:53 AKDT | 8 | 200 | ** | ** | 10 | 66 | 54 |
| PAPA | 07/26/2015 13:53 AKDT | 6 | ** | ** | ** | 10 | 68 | 52 |
| PAPA | 07/26/2015 14:53 AKDT | 6 | 200 | ** | ** | 10 | 69 | 50 |
| PAPA | 07/26/2015 15:53 AKDT | 10 | 270 | ** | ** | 10 | 70 | 50 |
| PAPA | 07/26/2015 16:53 AKDT | 9 | 240 | ** | ** | 10 | 70 | 50 |
| PAPA | 07/26/2015 17:53 AKDT | 10 | 250 | ** | ** | 10 | 68 | 50 |
| PAPA | 07/26/2015 18:53 AKDT | 10 | 250 | ** | ** | 10 | 68 | 51 |
| PAPA | 07/26/2015 19:53 AKDT | 9 | 250 | ** | ** | 9 | 66 | 52 |
| PAPA | 07/26/2015 20:53 AKDT | 9 | 240 | ** | ** | 7 | 64 | 51 |
| PAPA | 07/26/2015 21:53 AKDT | 8 | 240 | ** | 6 (Haze) | 3 | 61 | 52 |
| PAPA | 07/26/2015 22:53 AKDT | 5 | ** | ** | 7 (Smoke) | 3 | 59 | 51 |
| PAPA | 07/26/2015 23:53 AKDT | 0 | 0 | ** | 7 (Smoke) | 3 | 59 | 51 |

Table 31. Hourly observation for Fairbanks International Airport, July 26, 2015



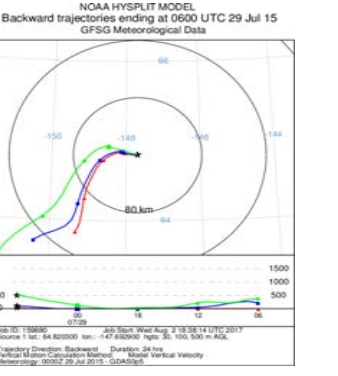
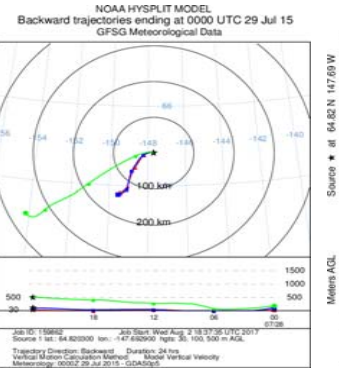
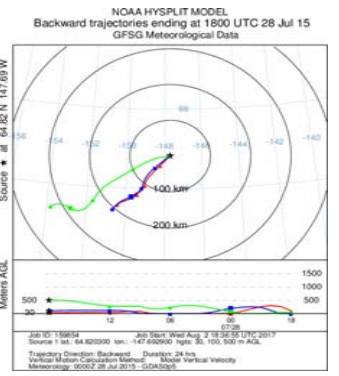
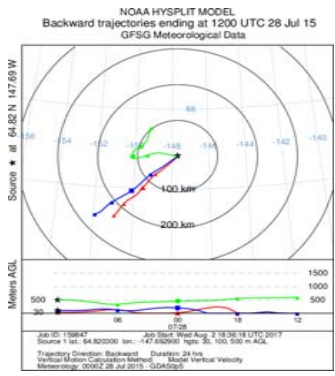
| hour | 88501 | 88502 | 88501 | 88502 | 88101 | 88101 | 88101 | July Low Years 95% | Annual NA 24-Hr NAAQS |
|------|---|-------|----------------|-------|------------|-------|---------|--------------------|-----------------------|
| | 34 34 corr | | | | 35 35 corr | | 35 | | |
| | BAM-Ncovr | | Corr-BAM-Ncovr | | BAM-NFF | | FEM-SDB | FEM-Ncovr | FEM-NFF |
| 0 | 16 | 14.4 | 20 | 17.3 | | | 29.2 | 0 | 12 35 |
| 1 | 17 | 15.3 | 23 | 20.2 | | | 29.2 | 23 | 12 35 |
| 2 | 20 | 18.1 | 22 | 19.2 | | | 29.2 | | 12 35 |
| 3 | 22 | 19.9 | 20 | 17.3 | | | 29.2 | | 12 35 |
| 4 | 16 | 14.4 | 20 | 17.3 | | | 29.2 | | 12 35 |
| 5 | 20 | 18.1 | 20 | 17.3 | | | 29.2 | | 12 35 |
| 6 | 19 | 17.2 | | | | | 29.2 | | 12 35 |
| 7 | 18 | 16.2 | | | | | 29.2 | | 12 35 |
| 8 | 24 | 21.8 | | | | | 29.2 | | 12 35 |
| 9 | 23 | 20.9 | 23 | 20.2 | | | 29.2 | | 12 35 |
| 10 | 18 | 16.2 | 21 | 18.2 | | | 29.2 | | 12 35 |
| 11 | 24 | 21.8 | 25 | 22.2 | | | 29.2 | | 12 35 |
| 12 | 18 | 16.2 | 16 | 13.3 | | | 29.2 | | 12 35 |
| 13 | 20 | 18.1 | 23 | 20.2 | | | 29.2 | | 12 35 |
| 14 | 15 | 13.5 | 21 | 18.2 | | | 29.2 | | 12 35 |
| 15 | | | 21 | 18.2 | | | 29.2 | | 12 35 |
| 16 | 35 | 31.9 | 16 | 13.3 | | | 29.2 | | 12 35 |
| 17 | 23 | 20.9 | 23 | 20.2 | | | 29.2 | | 12 35 |
| 18 | 22 | 20.2 | 17 | 14.3 | | | 29.2 | | 12 35 |
| 19 | 30 | 27.3 | 20 | 17.4 | | | 29.2 | | 12 35 |
| 20 | 20 | 17.9 | 20 | 17.3 | | | 29.2 | | 12 35 |
| 21 | 24 | 21.8 | 16 | 13.3 | | | 29.2 | | 12 35 |
| 22 | 25 | 22.7 | 14 | 11.4 | | | 29.2 | | 12 35 |
| 23 | 35 | 31.9 | 16 | 13.3 | | | 29.2 | | 12 35 |
| | BAM-Ncovr/BAM-Ncovr/BAM-FEM/BAM-FEM/BAM-FEM Average | | | | | | | | |
| | 22.4 | 20.3 | 19.4 | 16.6 | | | | | |
| | 22.4 | 20.3 | 19.4 | 16.6 | | | | | |



4 0
4 40
10 0
10 40
16 40
22 0
22 40

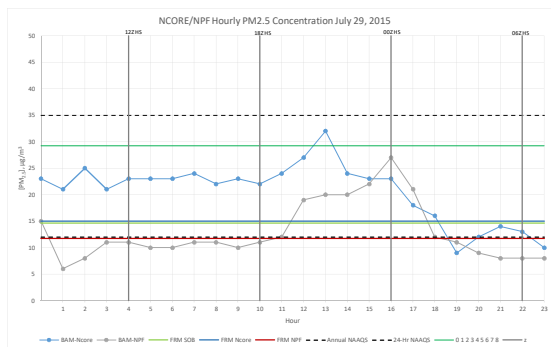
| Station | Date/Time | SPD (MPH) | DIR (From) | Cond (MPH) | WX Condition | VIS (SM) | TEMP (F) | DPT (F) |
|---------|-----------------------|-----------|------------|------------|--------------|----------|----------|---------|
| PAPA | 07/26/2015 00:53 AKDT | 7 | 250 | ** | (Mod Rain) | 3 | 53 | 53 |
| PAPA | 07/26/2015 01:53 AKDT | 5 | 250 | ** | (Mod Rain) | 2 | 54 | 54 |
| PAPA | 07/26/2015 02:53 AKDT | 0 | 0 | ** | 31 (FOG) | 2 | 53 | 54 |
| PAPA | 07/26/2015 03:53 AKDT | 3 | 190 | ** | 31 (FOG) | 2 | 55 | 53 |
| PAPA | 07/26/2015 04:53 AKDT | 5 | 190 | ** | 31 (FOG) | 2 | 54 | 53 |
| PAPA | 07/26/2015 05:53 AKDT | 5 | 250 | ** | 31 (FOG) | 3 | 51 | 52 |
| PAPA | 07/26/2015 06:53 AKDT | 0 | 0 | ** | 31 (FOG) | 3 | 54 | 52 |
| PAPA | 07/26/2015 07:53 AKDT | 0 | 0 | ** | 31 (FOG) | 4 | 53 | 51 |
| PAPA | 07/26/2015 08:53 AKDT | 3 | 190 | ** | 31 (FOG) | 4 | 53 | 51 |
| PAPA | 07/26/2015 09:53 AKDT | 3 | 210 | ** | 31 (FOG) | 4 | 57 | 54 |
| PAPA | 07/26/2015 10:53 AKDT | 5 | 250 | ** | 31 (FOG) | 6 | 57 | 53 |
| PAPA | 07/26/2015 11:53 AKDT | 0 | 0 | ** | ** | 7 | 59 | 53 |
| PAPA | 07/26/2015 12:53 AKDT | 0 | 0 | ** | ** | 8 | 61 | 53 |
| PAPA | 07/26/2015 13:53 AKDT | 5 | ** | ** | ** | 10 | 63 | 54 |
| PAPA | 07/26/2015 14:53 AKDT | 3 | ** | ** | ** | 10 | 64 | 53 |
| PAPA | 07/26/2015 15:53 AKDT | 0 | 0 | ** | ** | 10 | 66 | 53 |
| PAPA | 07/26/2015 16:53 AKDT | 3 | 140 | ** | ** | 10 | 66 | 53 |
| PAPA | 07/26/2015 17:53 AKDT | 0 | 0 | ** | 13 (Rain) | 10 | 68 | 53 |
| PAPA | 07/26/2015 18:53 AKDT | 5 | 160 | ** | 13 (Rain) | 10 | 64 | 52 |
| PAPA | 07/26/2015 19:53 AKDT | 5 | ** | ** | ** | 10 | 61 | 52 |
| PAPA | 07/26/2015 20:53 AKDT | 3 | 140 | ** | ** | 10 | 60 | 52 |
| PAPA | 07/26/2015 21:53 AKDT | 0 | 0 | ** | ** | 10 | 61 | 54 |
| PAPA | 07/26/2015 22:53 AKDT | 0 | 0 | ** | ** | 10 | 57 | 53 |
| PAPA | 07/26/2015 23:53 AKDT | 0 | 0 | ** | ** | 14 | 53 | 53 |

Table 33. Hourly observation for Fairbanks International Airport, July 26, 2015



| hour | 88501 | | 88502 | | 88101 | | 88101 | | 88101 | | July Low Years 95% | Annual NA 24-Hr NAADS |
|------|-----------|----------------|---------|--------------|-----------|---------|-----------|---------|-----------|---------|--------------------|-----------------------|
| | BAM-Ncore | Corr BAM-Ncore | BAM-NPF | Corr BAM-NPF | FRM-Ncore | FRM-NPF | FRM-Ncore | FRM-NPF | FRM-Ncore | FRM-NPF | | |
| 0 | 23 | 20.5 | 15 | 12.4 | 14.6 | 15 | 11.7 | 29.2 | 0 | 1.2 | 35 | 23 |
| 1 | 21 | 19 | 6 | 3.5 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 2 | 25 | 22.7 | 8 | 5.5 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 3 | 21 | 19 | 11 | 8.4 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 4 | 23 | 20.9 | 11 | 8.4 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 5 | 23 | 20.9 | 10 | 7.4 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 6 | 23 | 20.9 | 10 | 7.4 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 7 | 24 | 21.8 | 11 | 8.4 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 8 | 22 | 19.9 | 11 | 8.4 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 9 | 23 | 20.9 | 10 | 7.4 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 10 | 22 | 19.9 | 11 | 8.4 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 11 | 24 | 21.8 | 12 | 9.4 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 12 | 27 | 24.5 | 19 | 16.3 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 13 | 32 | 29.2 | 20 | 17.3 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 14 | 24 | 21.8 | 20 | 17.3 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 15 | 23 | 20.9 | 22 | 19.2 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 16 | 23 | 20.9 | 27 | 24.1 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 17 | 18 | 16.2 | 21 | 18.2 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 18 | 16 | 14.4 | 12 | 9.4 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 19 | 9 | 8 | 11 | 8.4 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 20 | 12 | 10.7 | 9 | 6.5 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 21 | 14 | 12.6 | 8 | 5.5 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 22 | 13 | 11.6 | 8 | 5.5 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |
| 23 | 10 | 8.9 | 8 | 5.5 | 29.2 | 0 | 1.2 | 35 | 29.2 | 1.2 | 35 | 23 |

| BAM-Ncore1-8 | BAM-Ncore2-7 | BAM-Fire1-7 | BAM-Fire2-Average |
|--------------|--------------|-------------|-------------------|
| 20.6 | 18.7 | 13.0 | 10.3 |
| 20.6 | 18.7 | 13.0 | 10.3 |



4 0
4 50
10 0
10 50
16 0
16 50
22 0
22 50

| Station | Date/Time | SPD (MPH) | DIR (From) | Gust (MPH) | Condition | VIS (SM) | TEMP (D) | DP (D) |
|---------|-----------------------|-----------|------------|------------|-------------|----------|----------|--------|
| PAPA | 07/29/2015 01:53 AKDT | 0 | 0 | ** | ** | 10 | 53 | 53 |
| PAPA | 07/29/2015 02:53 AKDT | 0 | 0 | ** | ** | 10 | 52 | 50 |
| PAPA | 07/29/2015 03:53 AKDT | 0 | 0 | ** | ** | 10 | 50 | 46 |
| PAPA | 07/29/2015 04:53 AKDT | 0 | 0 | ** | 9 (Fog) | 10 | 50 | 48 |
| PAPA | 07/29/2015 05:53 AKDT | 0 | 0 | ** | 9 (Fog) | 4 | 50 | 49 |
| PAPA | 07/29/2015 06:53 AKDT | 5 | 50 | ** | 9 (Fog) | 6 | 51 | 49 |
| PAPA | 07/29/2015 07:53 AKDT | 3 | 70 | ** | ** | 7 | 52 | 48 |
| PAPA | 07/29/2015 08:53 AKDT | 0 | 0 | ** | ** | 7 | 52 | 48 |
| PAPA | 07/29/2015 09:53 AKDT | 0 | 0 | ** | ** | 7 | 54 | 50 |
| PAPA | 07/29/2015 10:53 AKDT | 0 | 0 | ** | **13 (Rain) | 7 | 56 | 50 |
| PAPA | 07/29/2015 11:53 AKDT | 0 | 0 | ** | **13 (Rain) | 6 | 55 | 50 |
| PAPA | 07/29/2015 12:53 AKDT | 0 | 0 | ** | ** | 7 | 59 | 54 |
| PAPA | 07/29/2015 13:53 AKDT | 3 | ** | ** | ** | 10 | 63 | 52 |
| PAPA | 07/29/2015 14:53 AKDT | 0 | 0 | ** | ** | 10 | 64 | 50 |
| PAPA | 07/29/2015 15:53 AKDT | 0 | 0 | ** | ** | 10 | 67 | 55 |
| PAPA | 07/29/2015 16:53 AKDT | 6 | 110 | ** | ** | 10 | 70 | 52 |
| PAPA | 07/29/2015 17:53 AKDT | 5 | 130 | ** | ** | 10 | 68 | 52 |
| PAPA | 07/29/2015 18:53 AKDT | 7 | 300 | ** | **13 (Rain) | 10 | 57 | 51 |
| PAPA | 07/29/2015 19:53 AKDT | 6 | 10 | ** | **13 (Rain) | 10 | 58 | 53 |
| PAPA | 07/29/2015 20:53 AKDT | 3 | 20 | ** | ** | 10 | 59 | 54 |
| PAPA | 07/29/2015 21:53 AKDT | 0 | 0 | ** | ** | 10 | 58 | 53 |
| PAPA | 07/29/2015 22:53 AKDT | 0 | 0 | ** | **13 (Rain) | 10 | 57 | 52 |
| PAPA | 07/29/2015 23:53 AKDT | 0 | 0 | ** | ** | 10 | 55 | 52 |

Table 34. Hourly observation for Fairbanks International Airport, July 29, 2015

