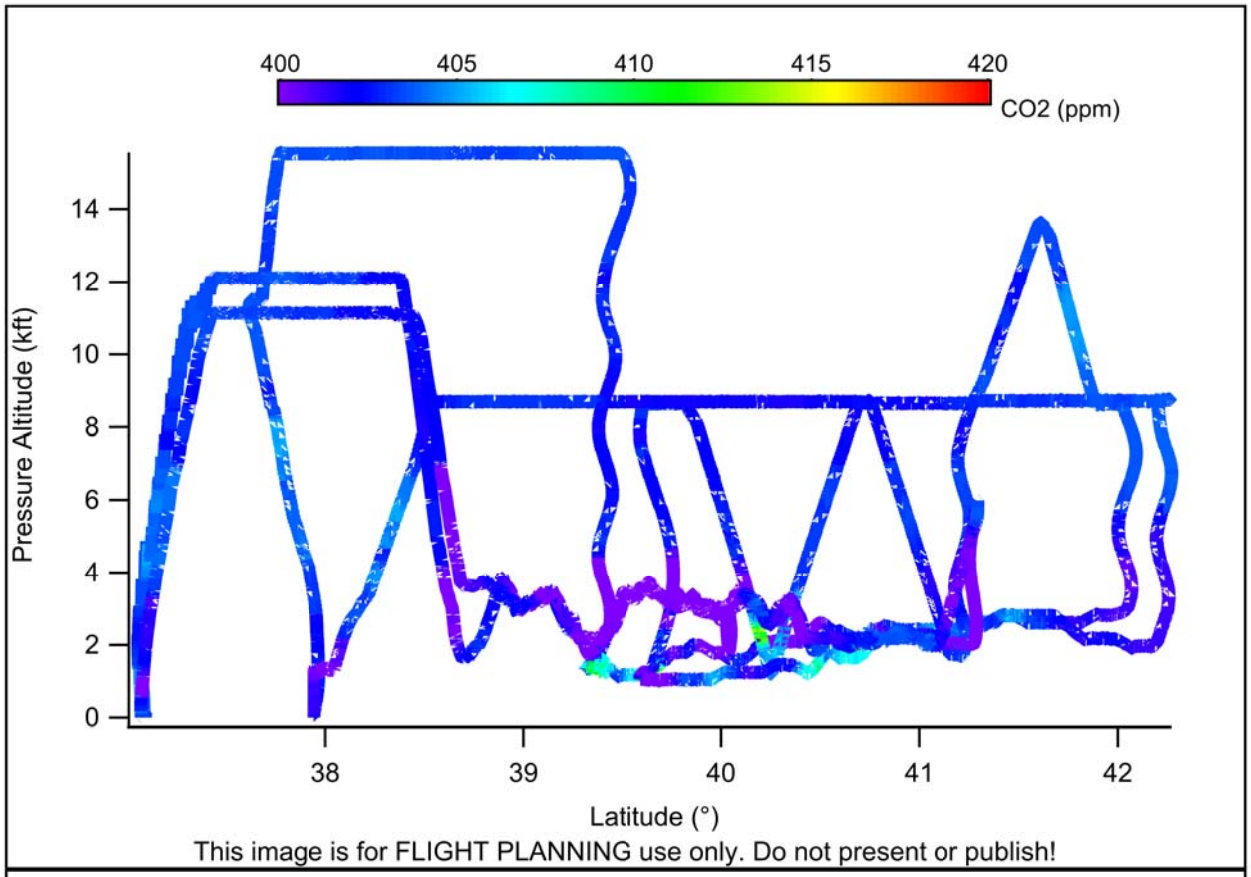
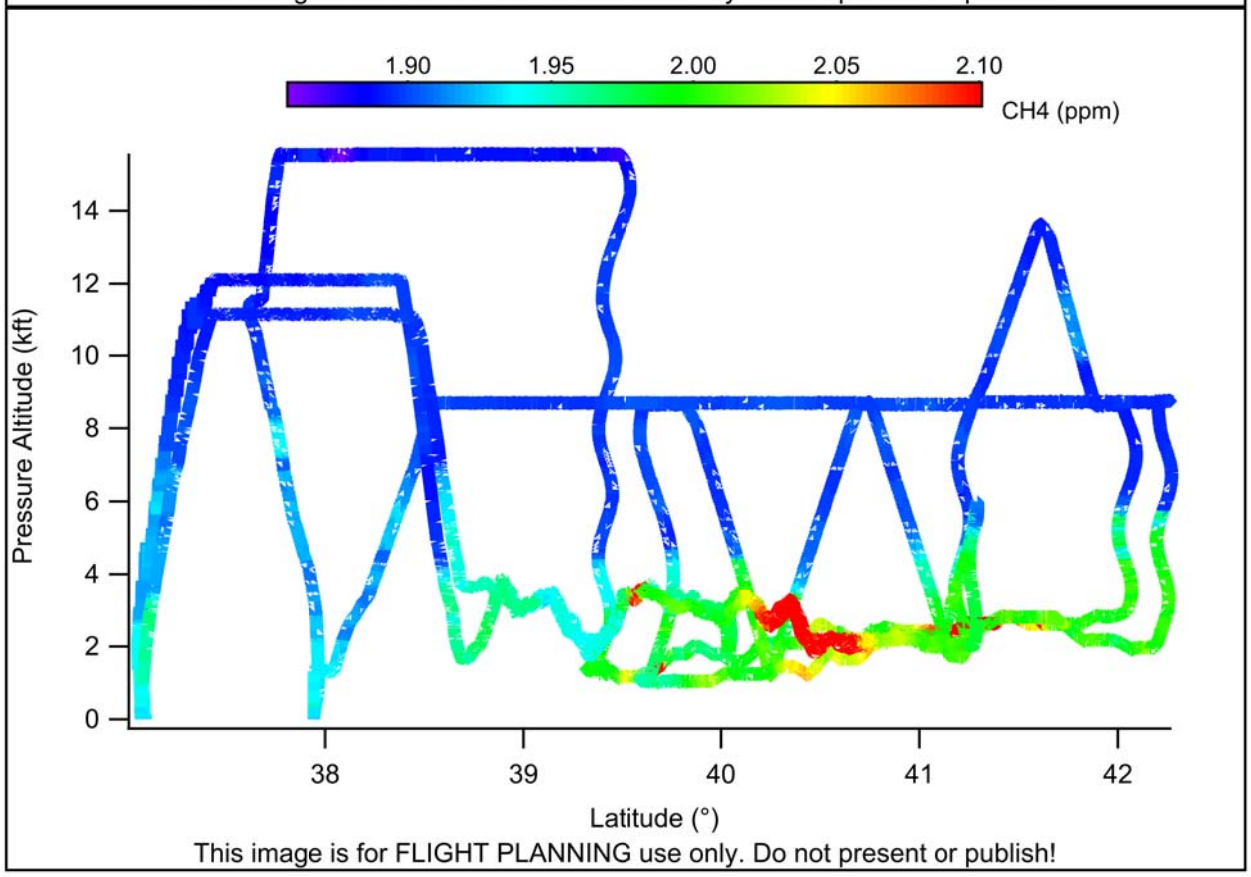
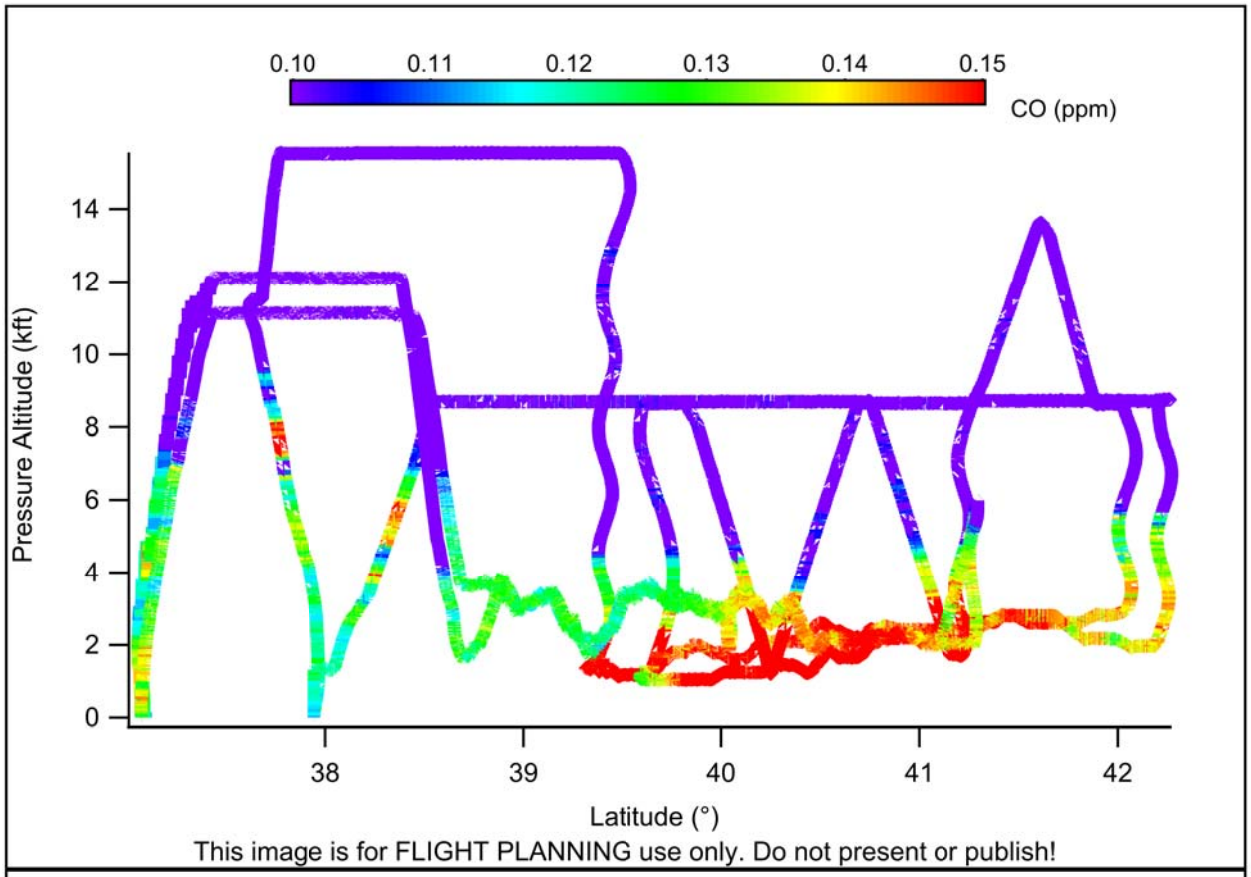
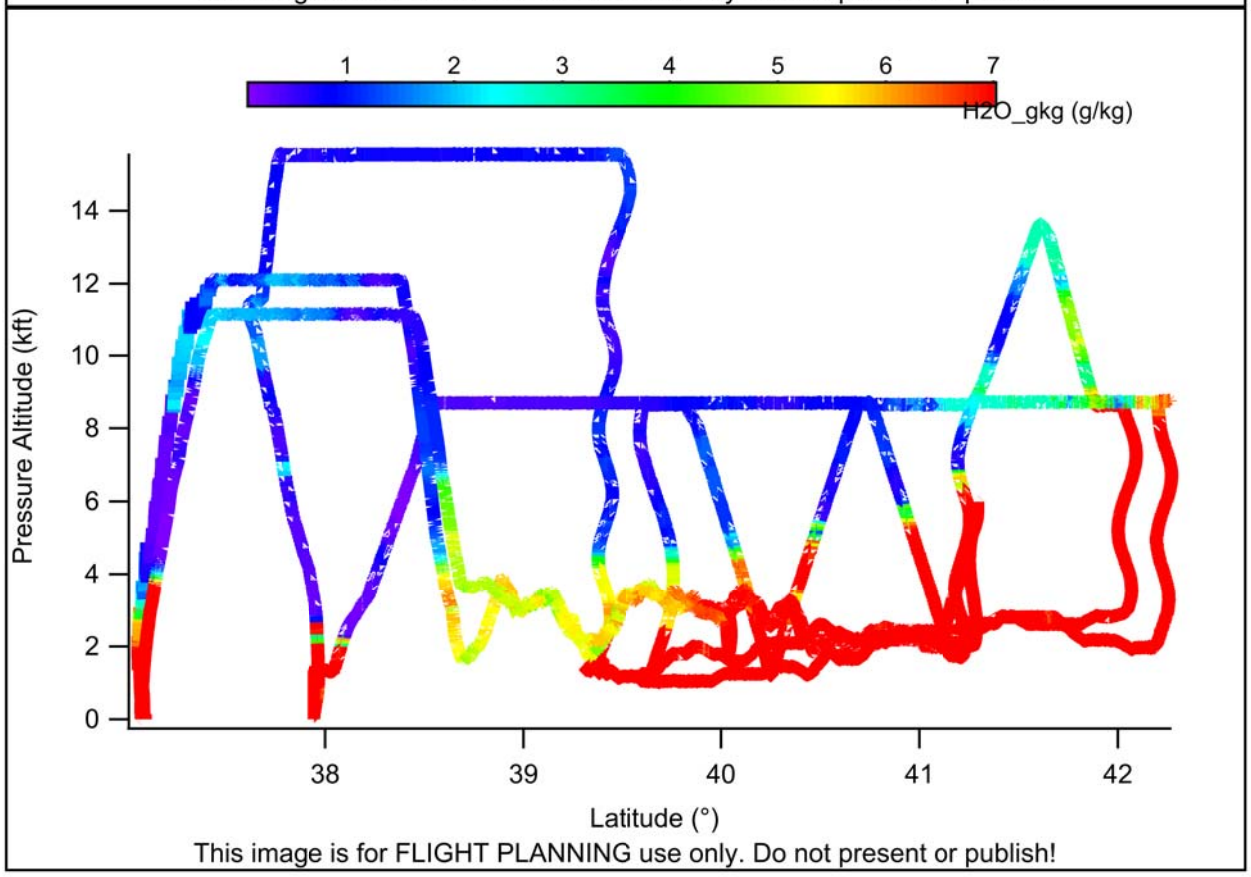
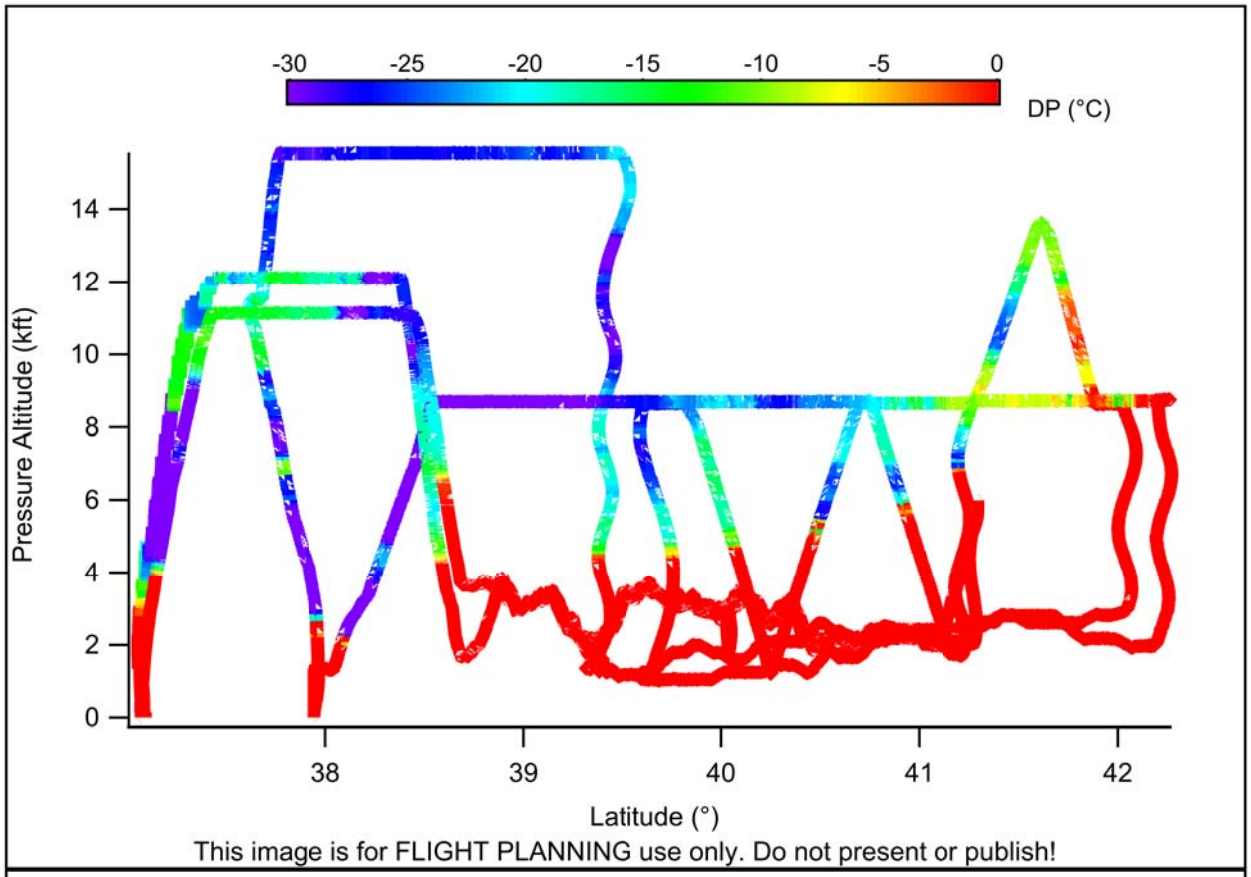
ACT-America 20171004

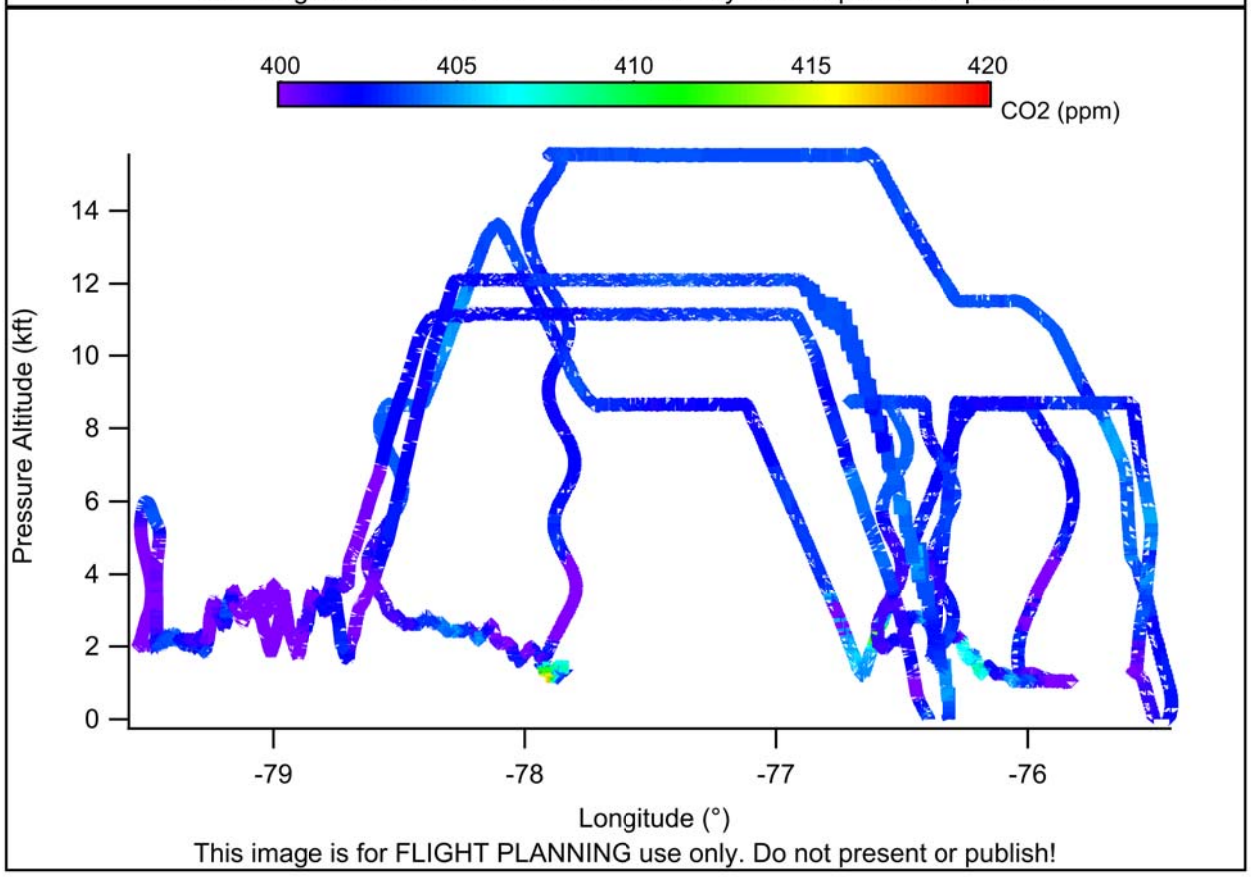

400
405
410
415
420
CO2 (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

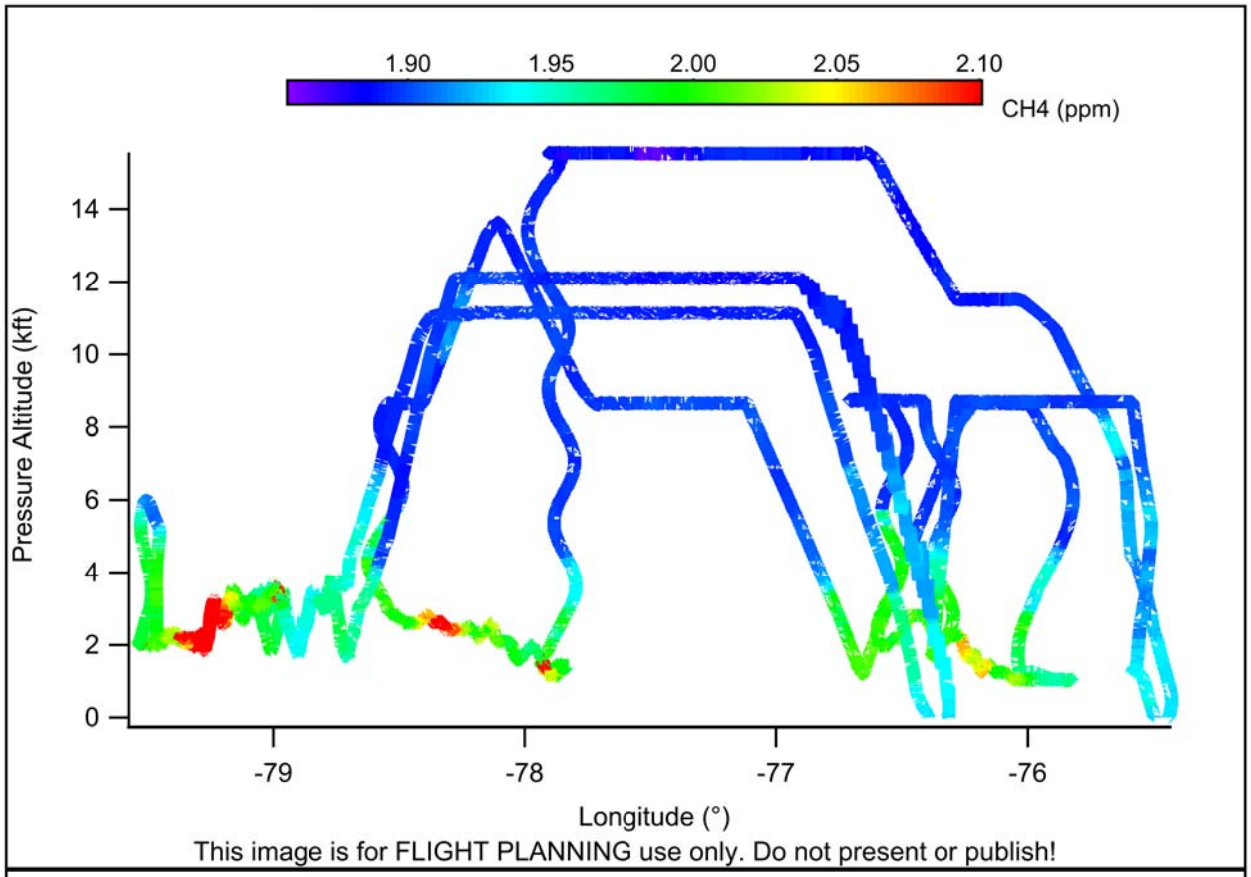

1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

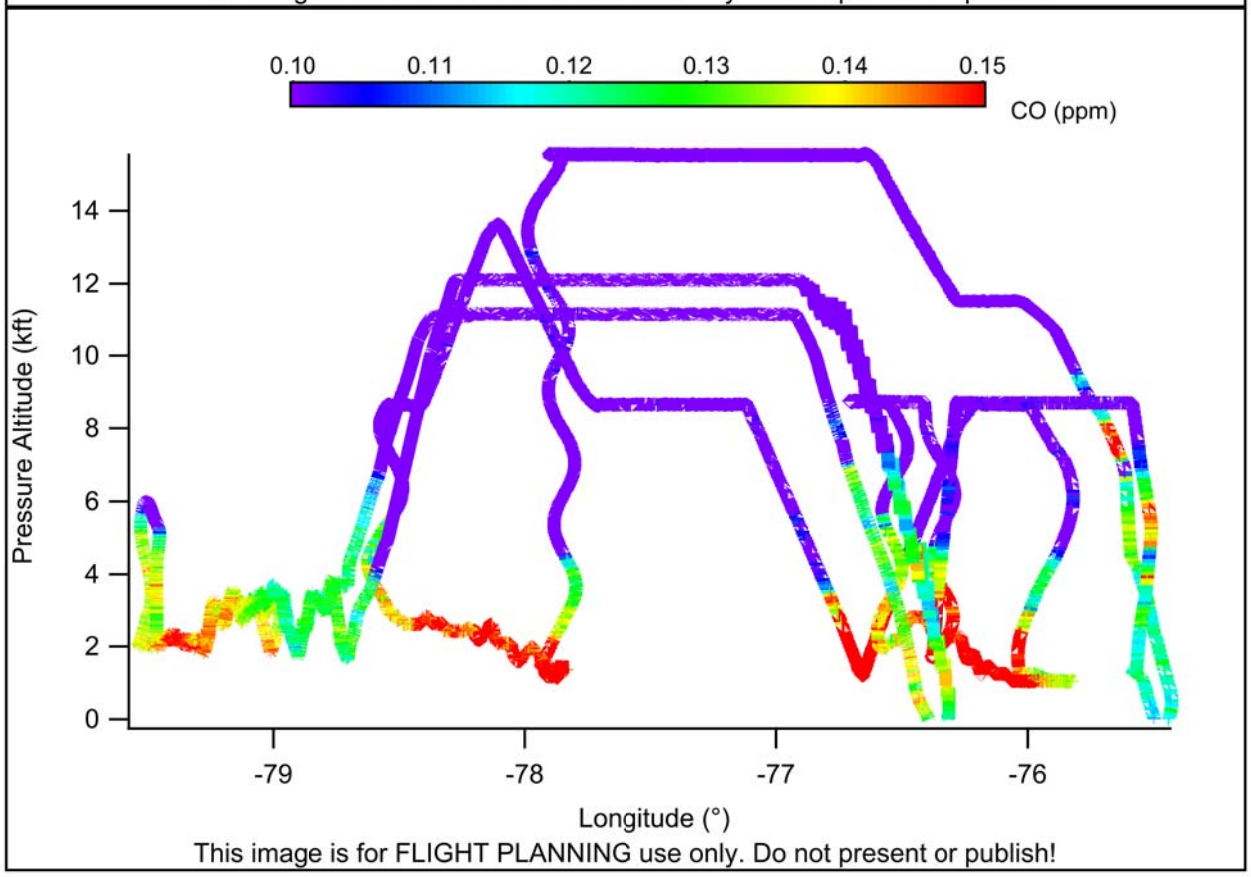

0.10
0.11
0.12
0.13
0.14
0.15
CO (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

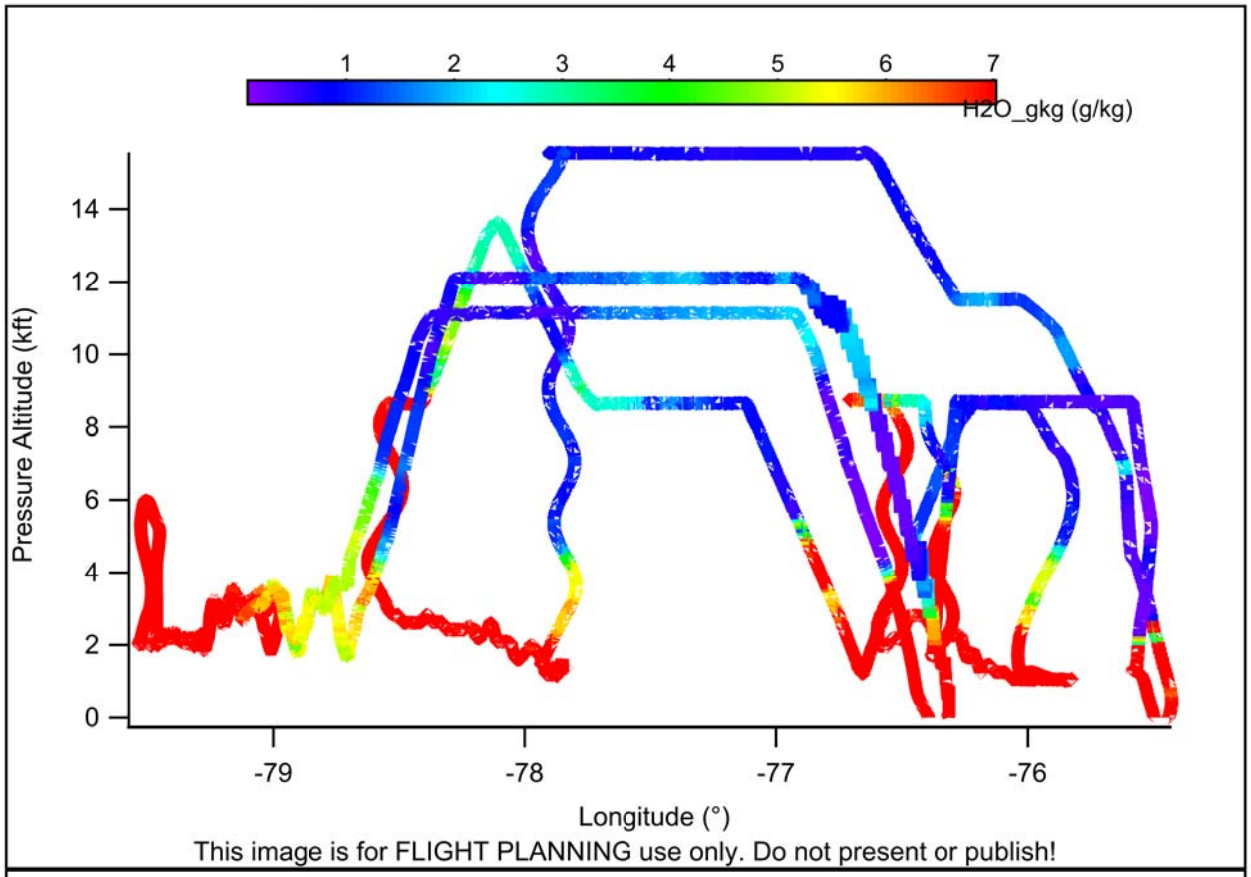

1
2
3
4
5
6
7
H2O_gkg (g/kg)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

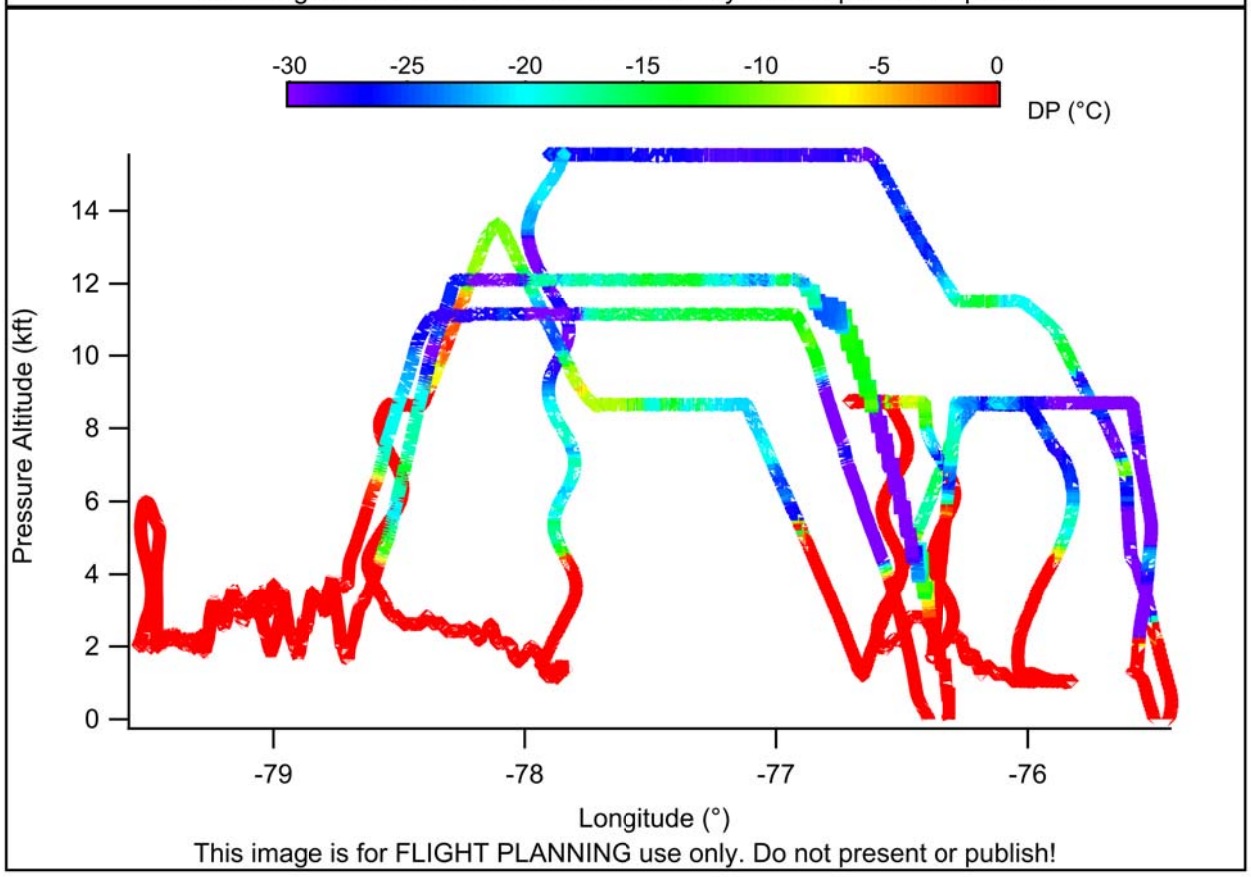

-30
-25
-20
-15
-10
-5
0
DP (°C)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

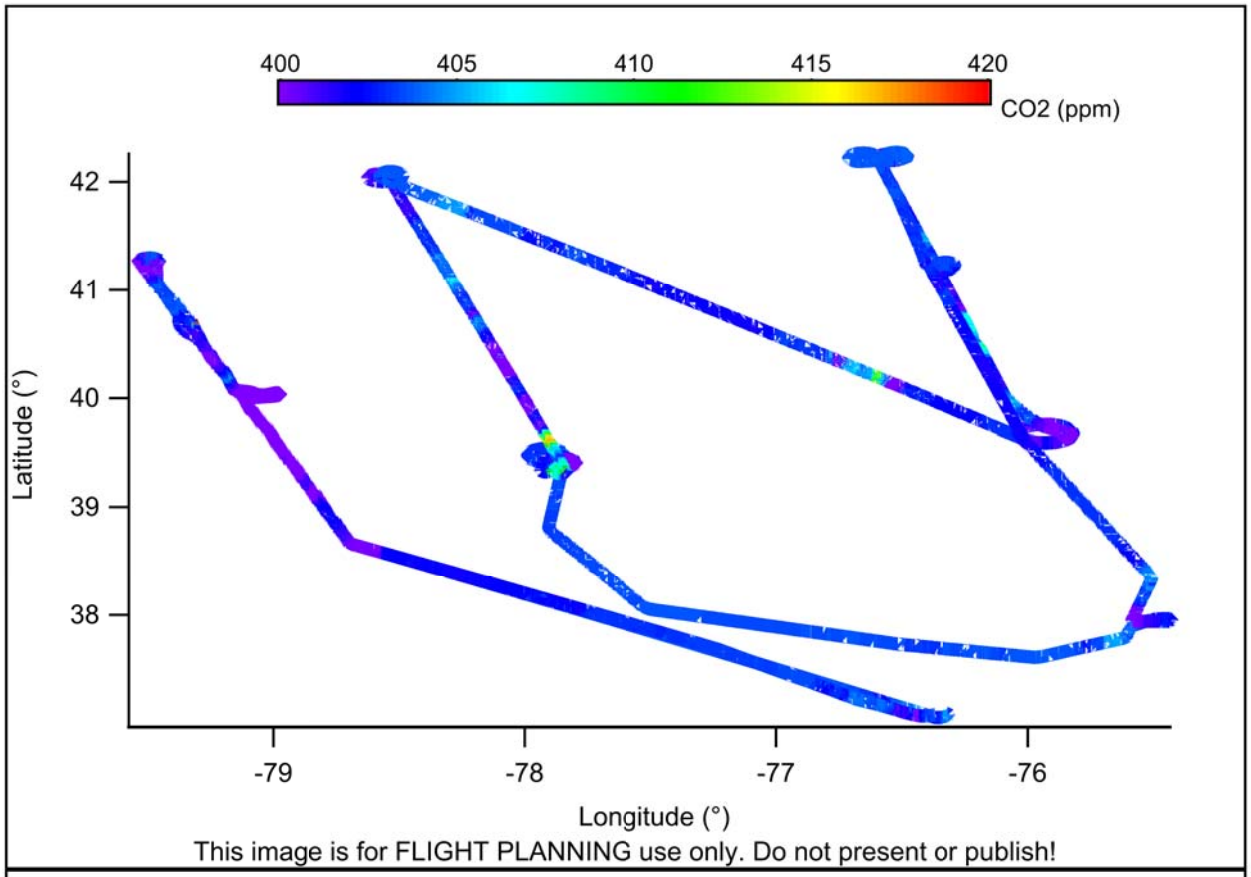

400
405
410
415
420
CO2 (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

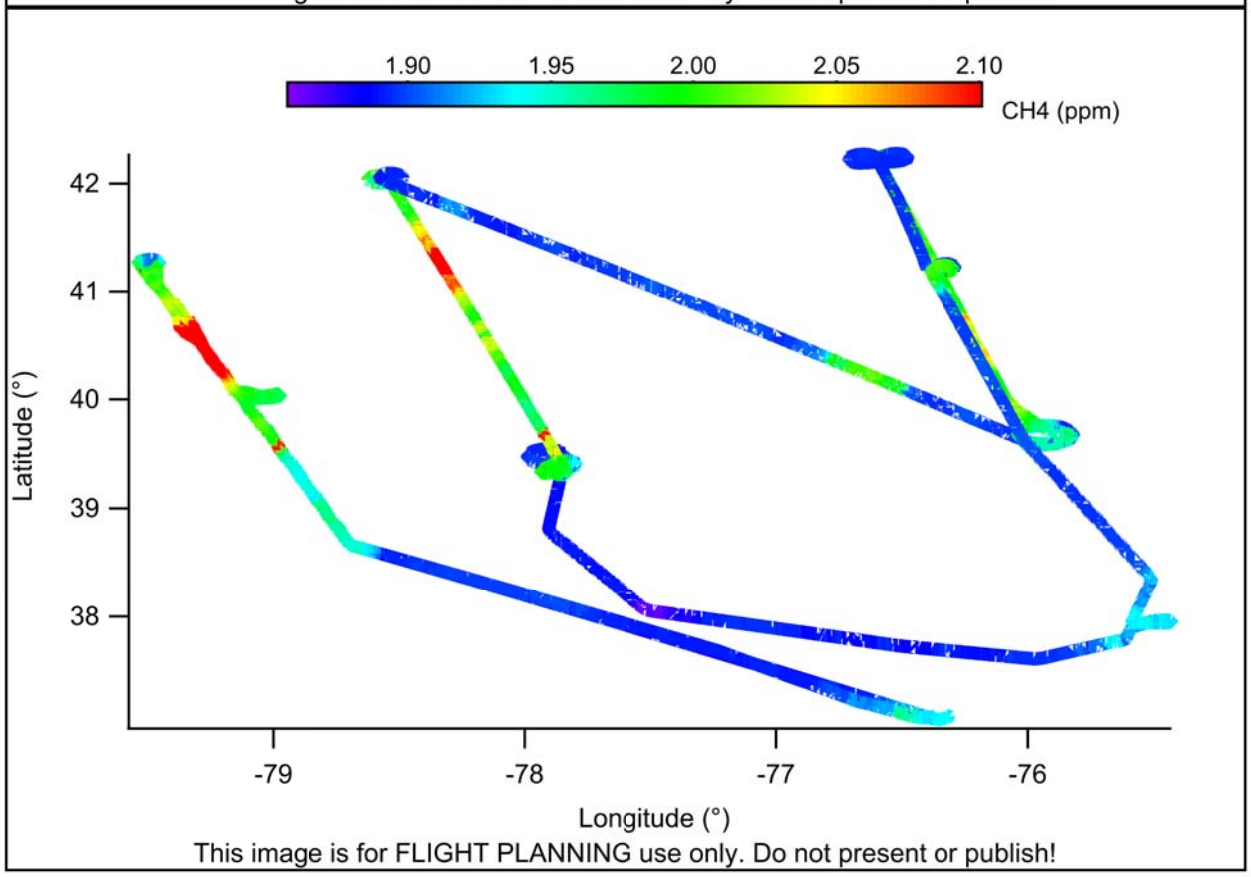

1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

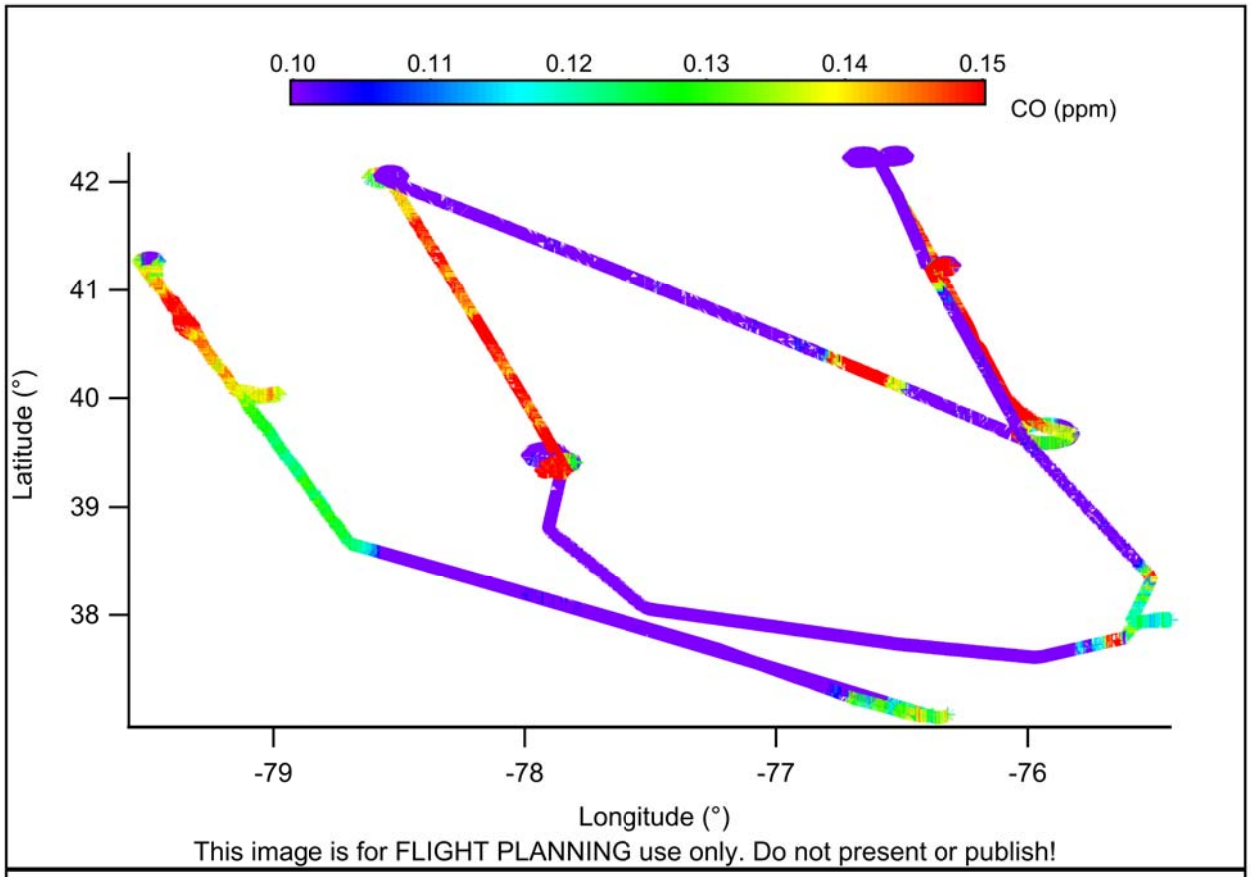

0.10
0.11
0.12
0.13
0.14
0.15
CO (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

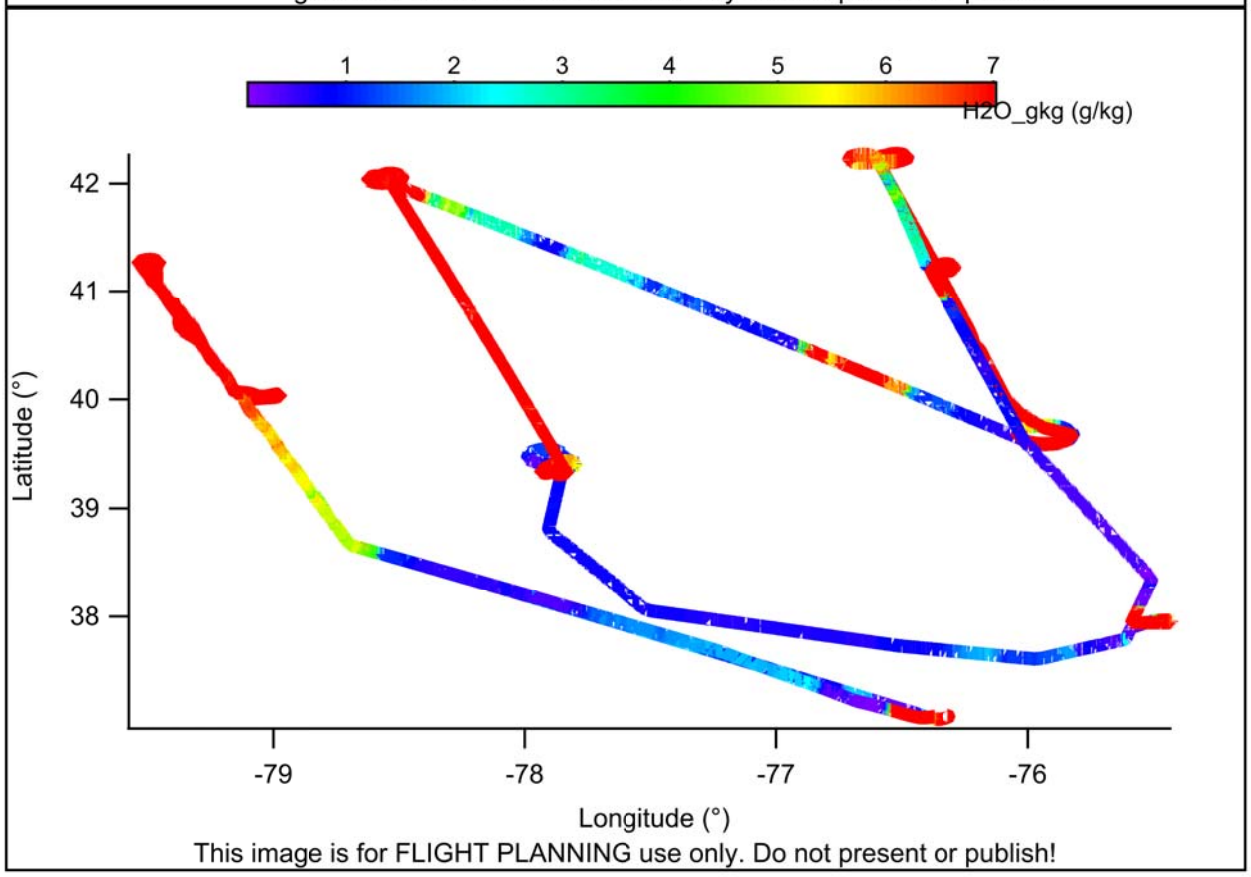

1
2
3
4
5
6
7
H2O_gkg (g/kg)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

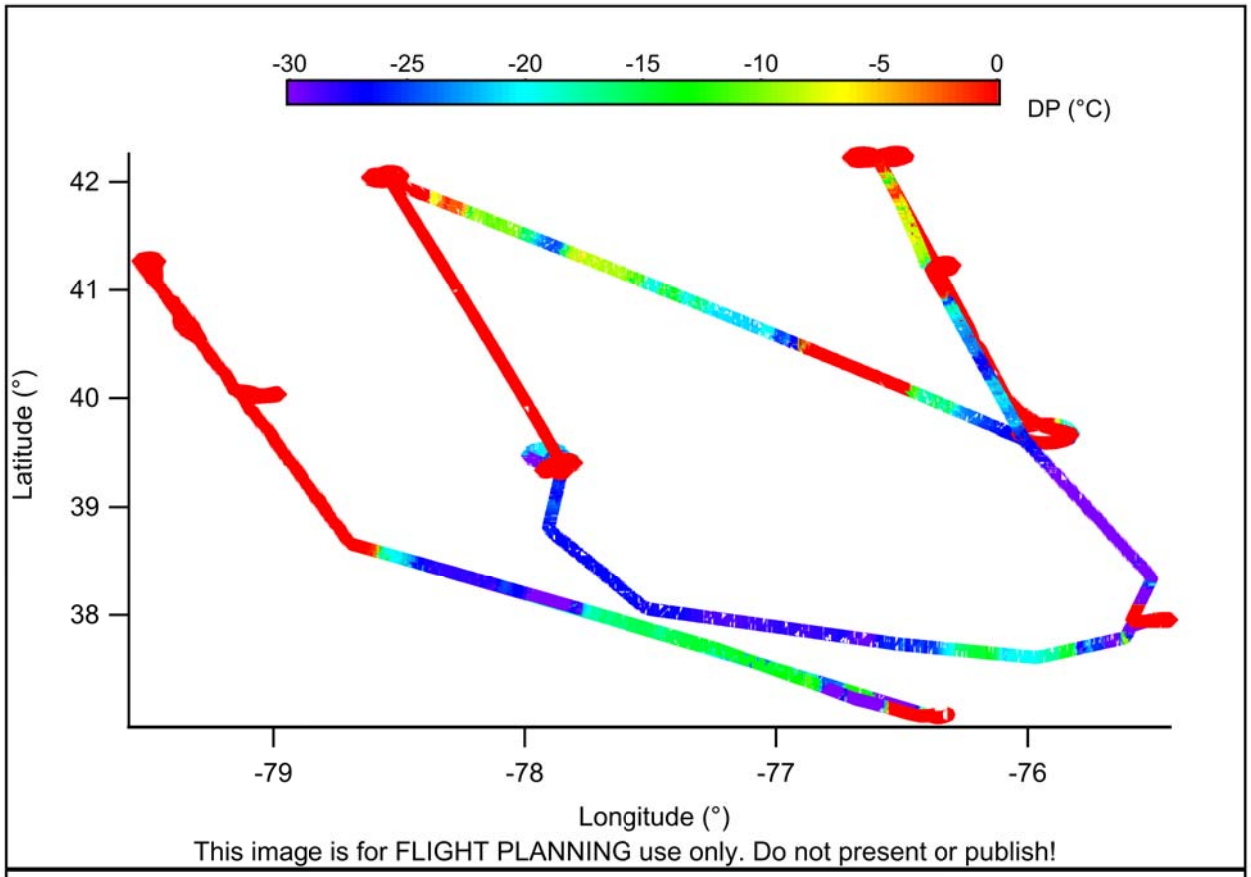

-30
-25
-20
-15
-10
-5
0
DP (°C)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

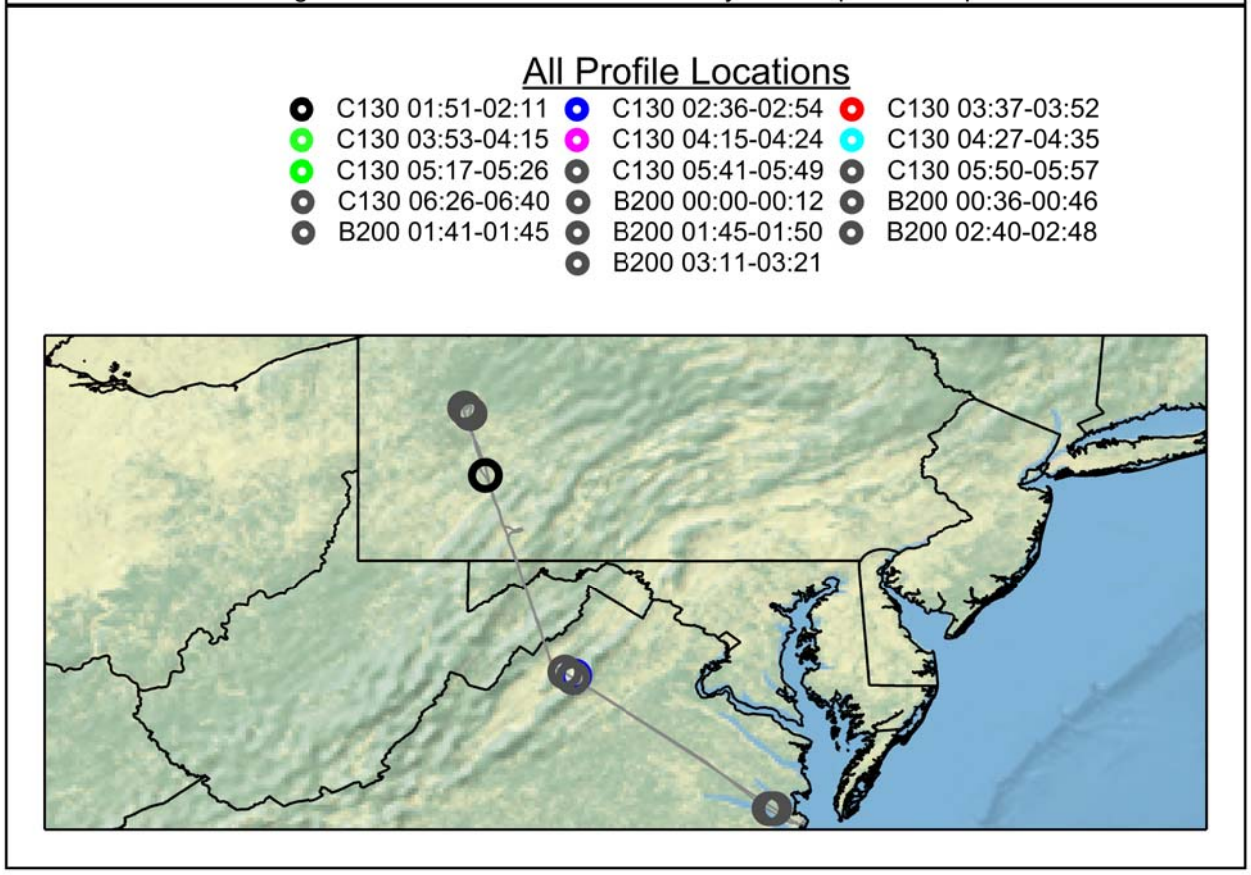

400
405
410
415
420
CO2 (ppm)
42
41
40
39
38
Latitude (°)
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

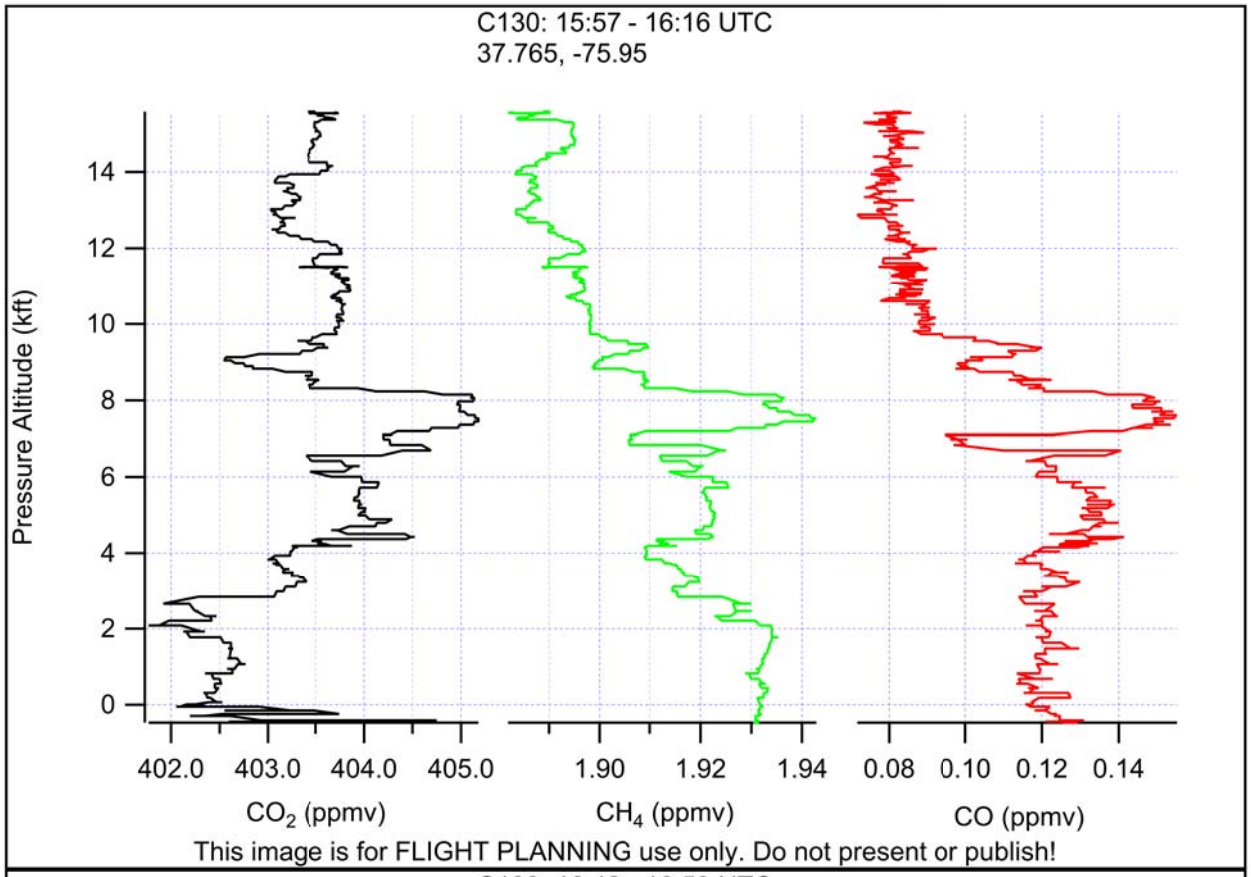

1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
42
41
40
39
38
Latitude (°)
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

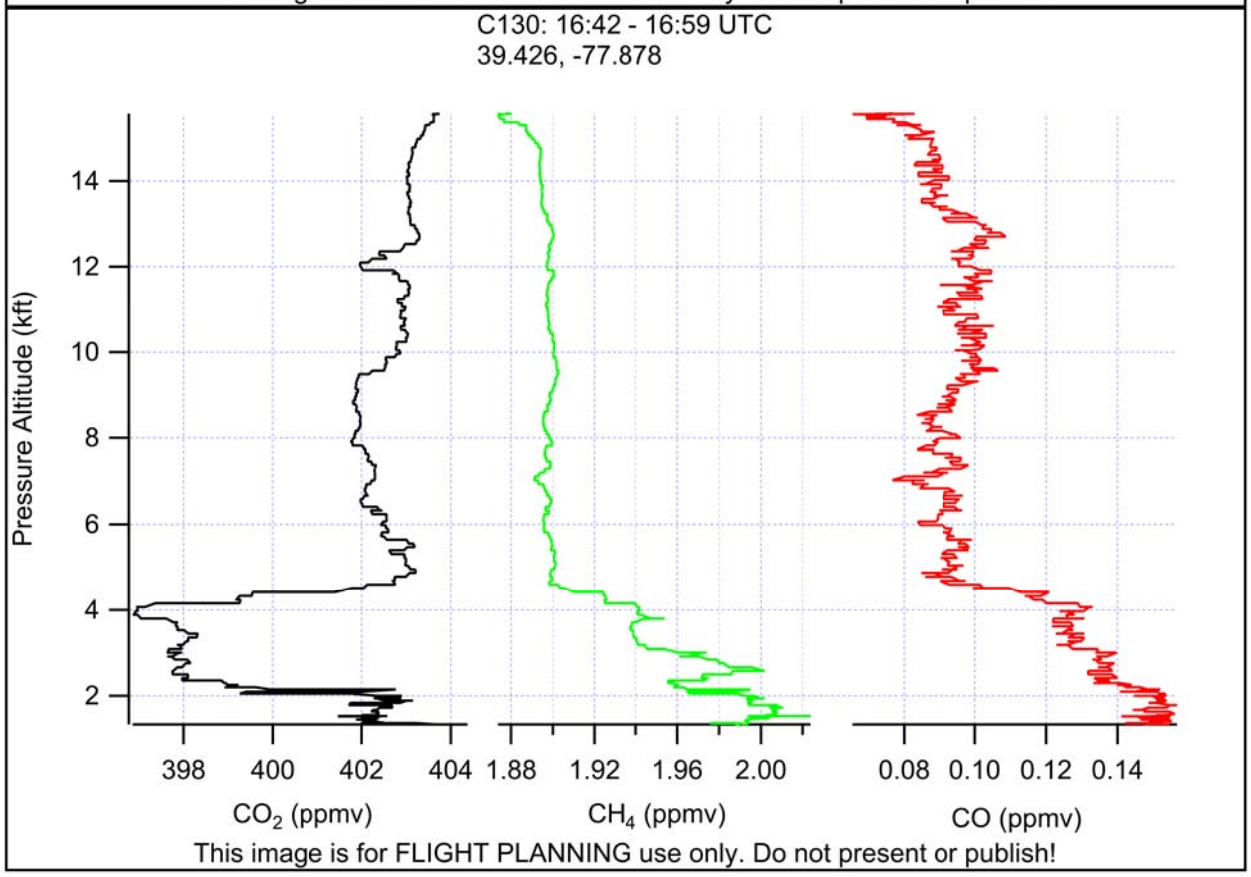

0.10
0.11
0.12
0.13
0.14
0.15
CO (ppm)
42
41
40
39
38
Latitude (°)
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

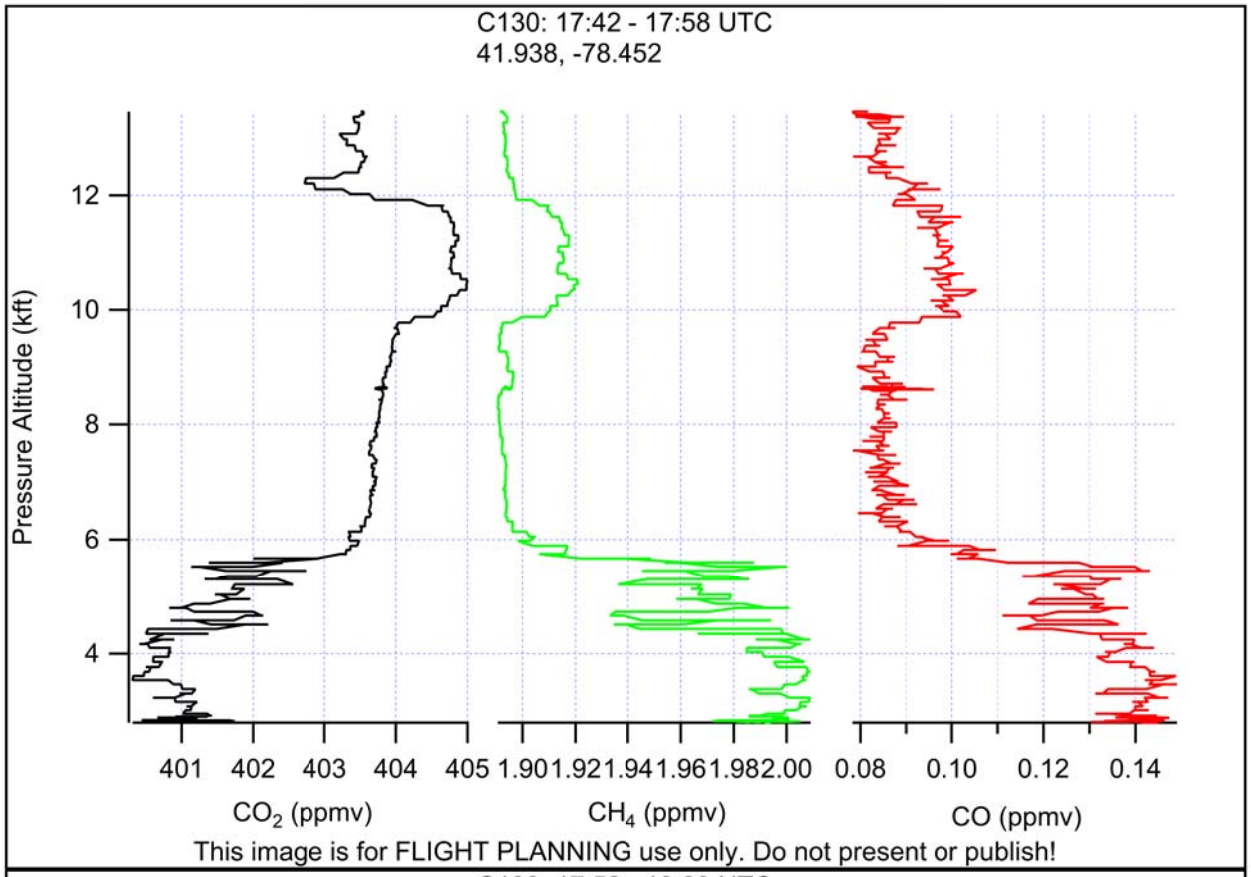

1
2
3
4
5
6
7
H2O_gkg (g/kg)
42
41
40
39
38
Latitude (°)
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

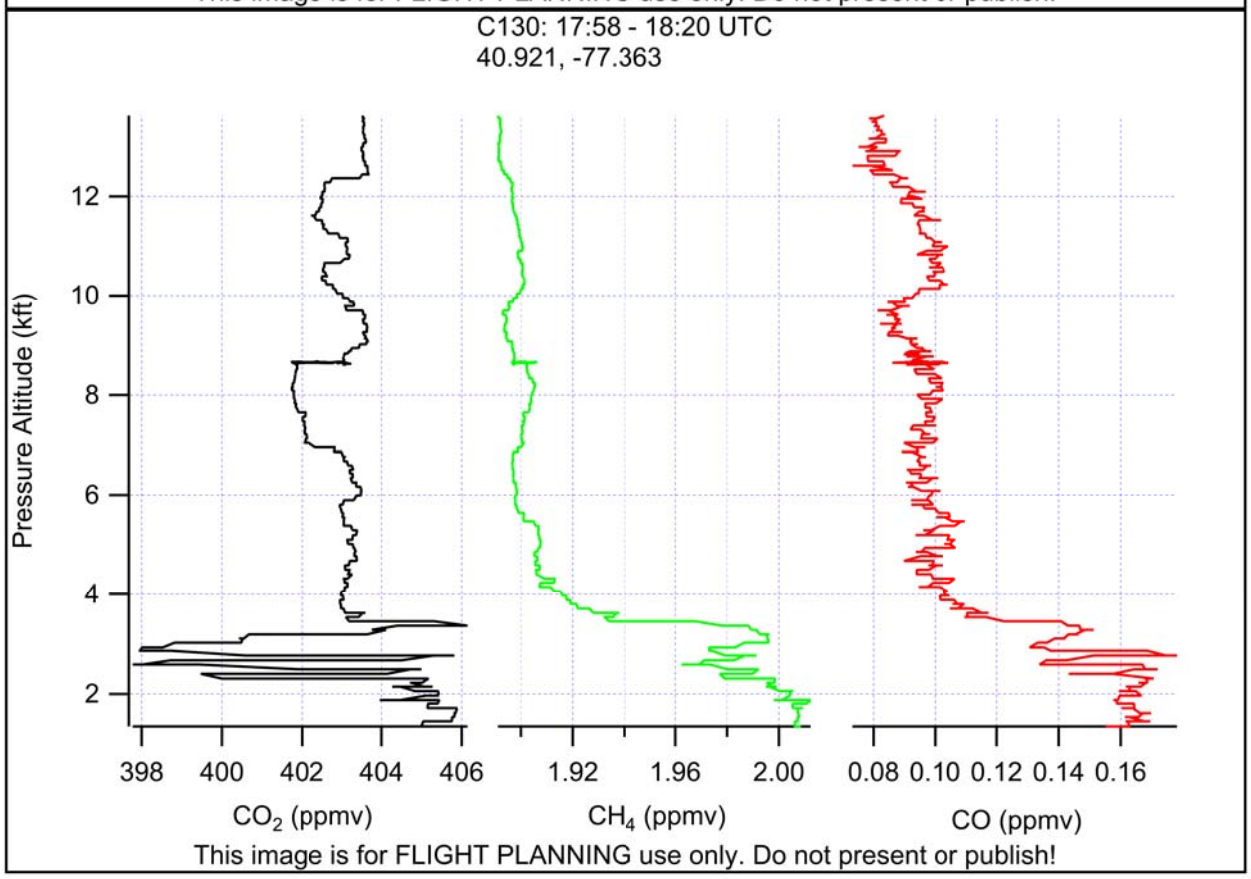

-30
-25
-20
-15
-10
-5
0
DP (°C)
42
41
40
39
38
Latitude (°)
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

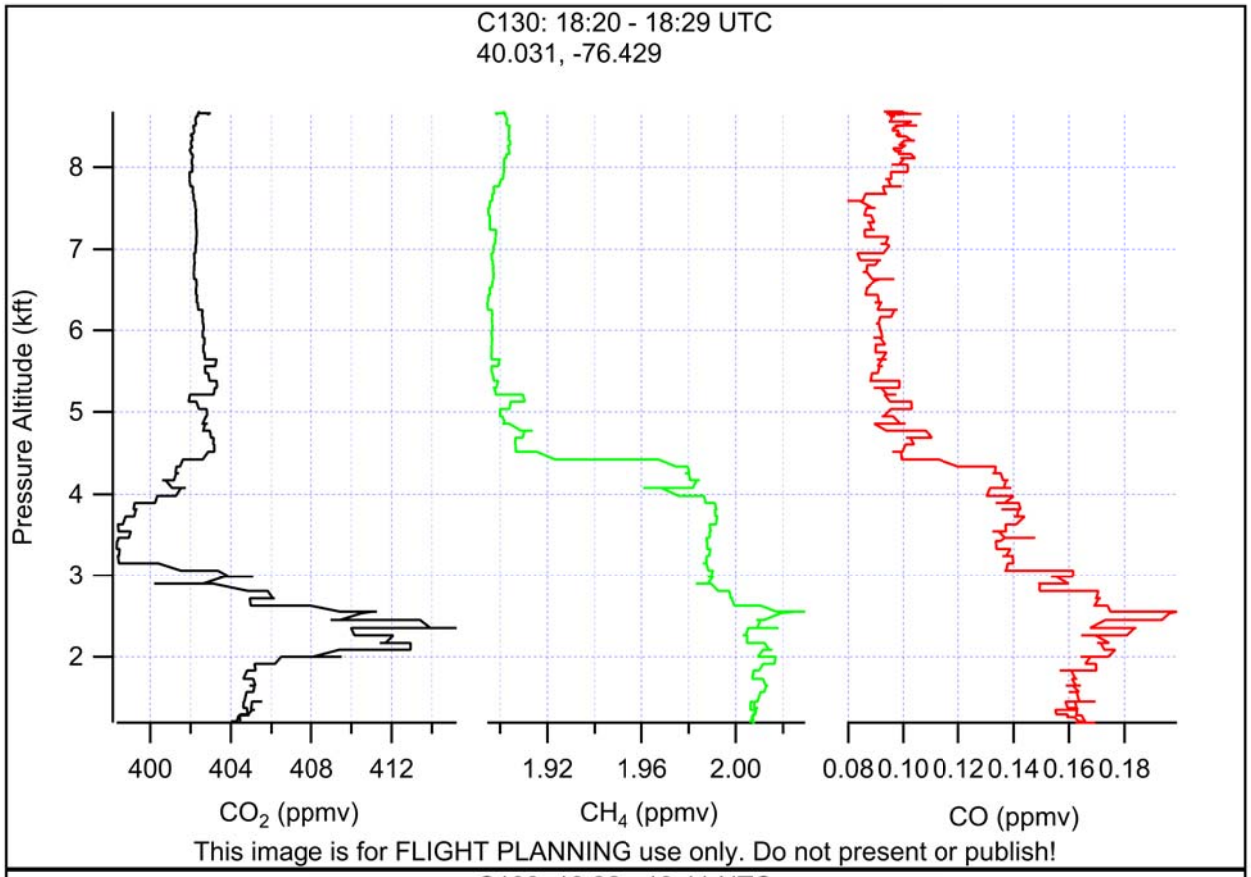

All Profile Locations
C130 01:51-02:11
C130 02:36-02:54
C130 03:37-03:52
C130 03:53-04:15
C130 04:15-04:24
C130 04:27-04:35
C130 05:17-05:26
C130 05:41-05:49
C130 05:50-05:57
C130 06:26-06:40
B200 00:00-00:12
B200 00:36-00:46
B200 01:41-01:45
B200 01:45-01:50
B200 02:40-02:48
B200 03:11-03:21

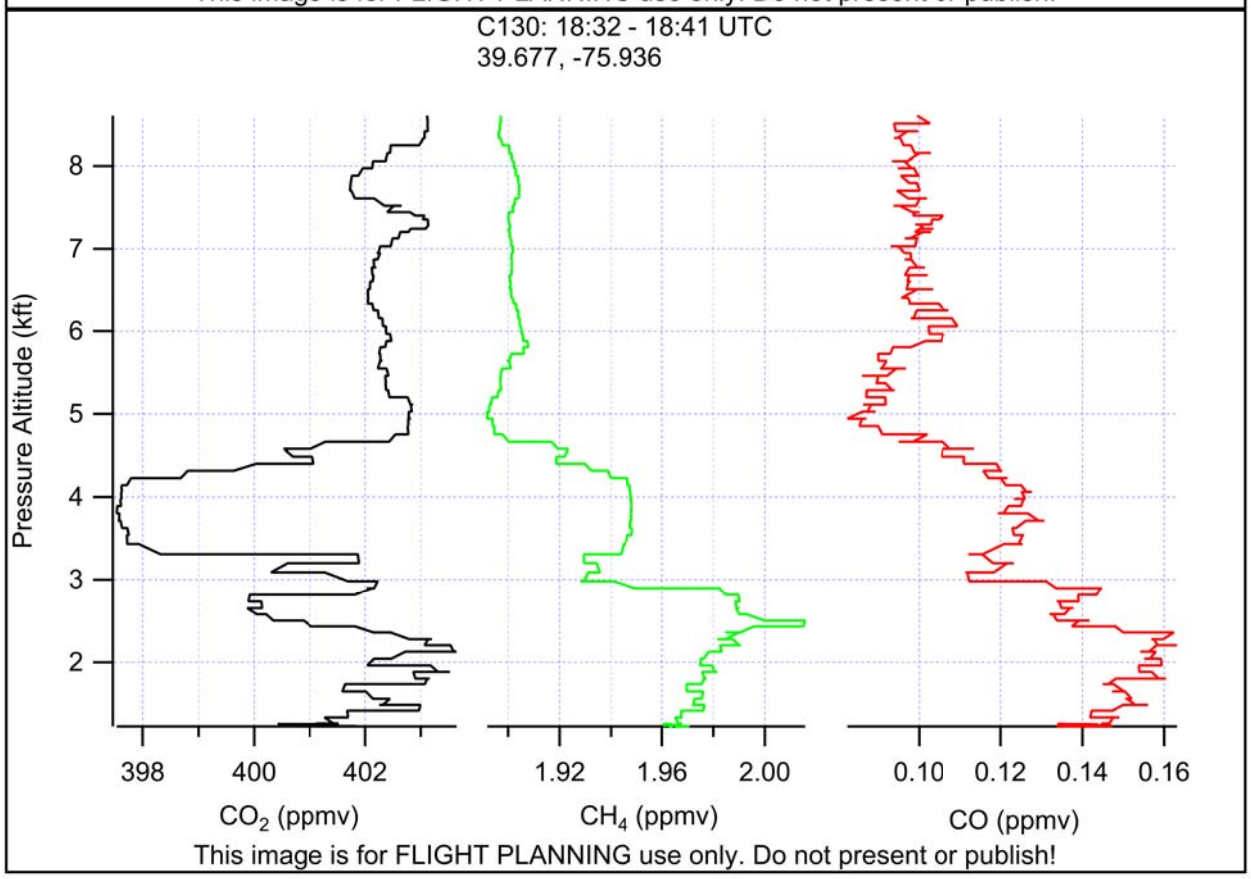

C130: 15:57 - 16:16 UTC
37.765, -75.95
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
402.0
403.0
404.0
405.0
CO_2 (ppmv)
1.90
1.92
1.94
CH_4 (ppmv)
0.08
0.10
0.12
0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

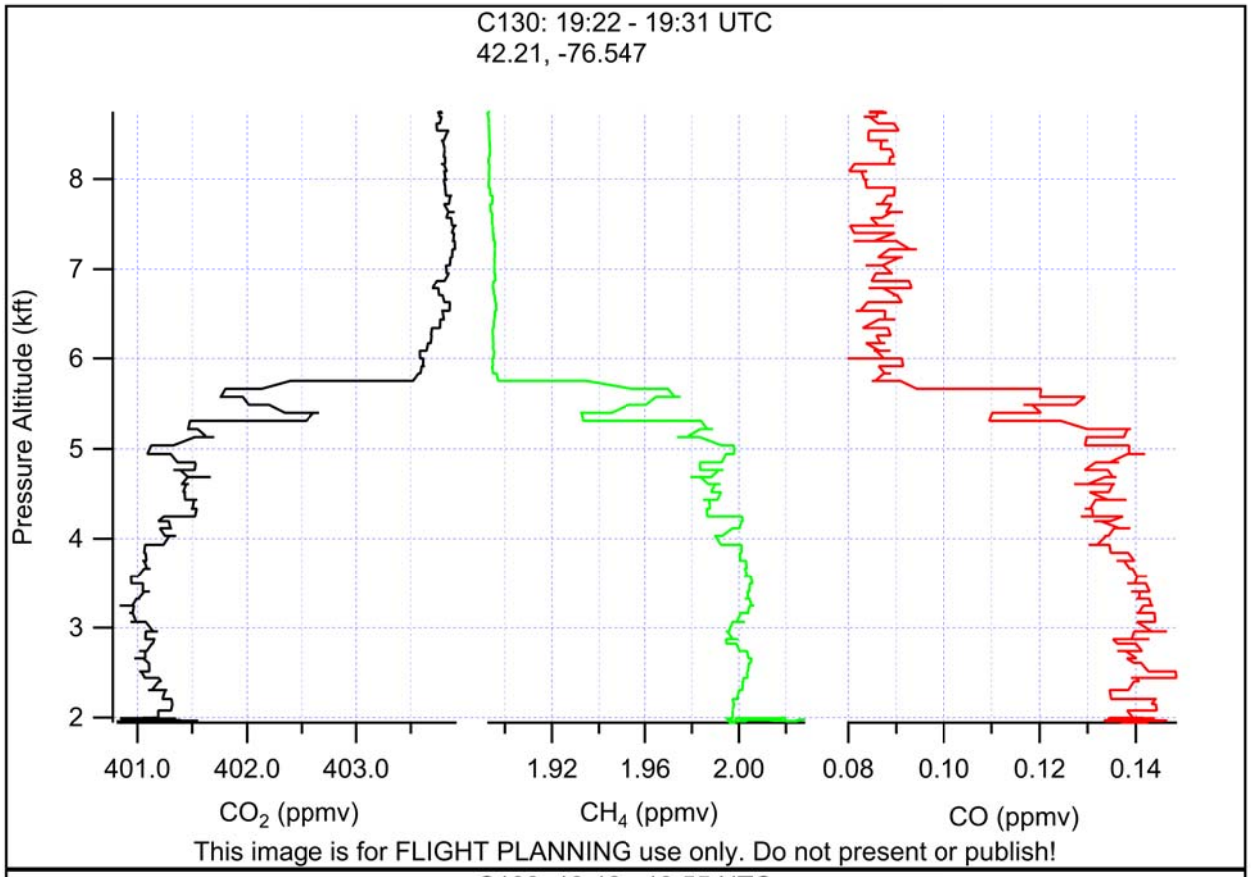

C130: 16:42 - 16:59 UTC
39.426, -77.878
Pressure Altitude (kft)
2
4
6
8
10
12
14
398
400
402
404
CO_2 (ppmv)
1.88
1.92
1.96
2.00
CH_4 (ppmv)
0.08
0.10
0.12
0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

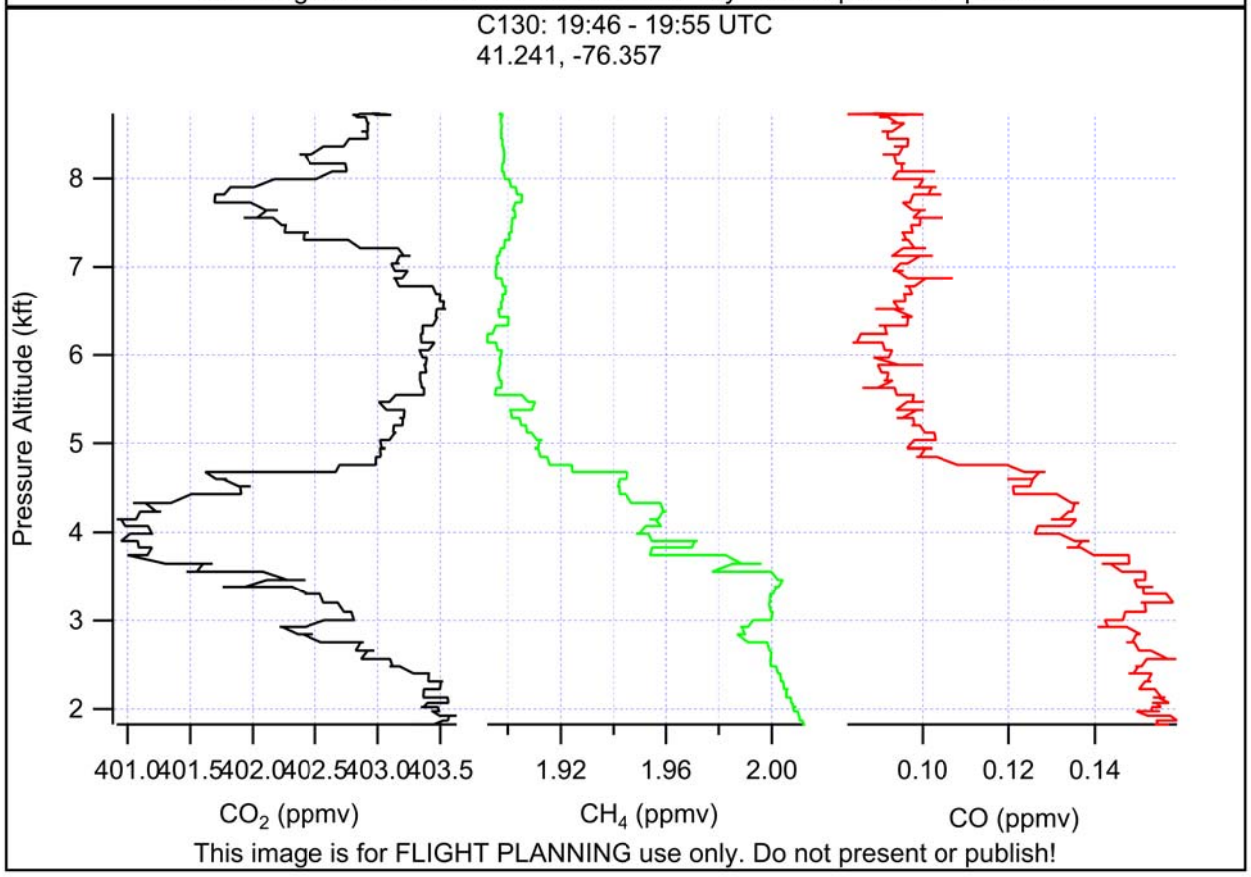

C130: 17:42 - 17:58 UTC
41.938, -78.452
Pressure Altitude (kft)
12
10
8
6
4
401 402 403 404 405
CO_2 (ppmv)
1.90 1.92 1.94 1.96 1.98 2.00
CH_4 (ppmv)
0.08 0.10 0.12 0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

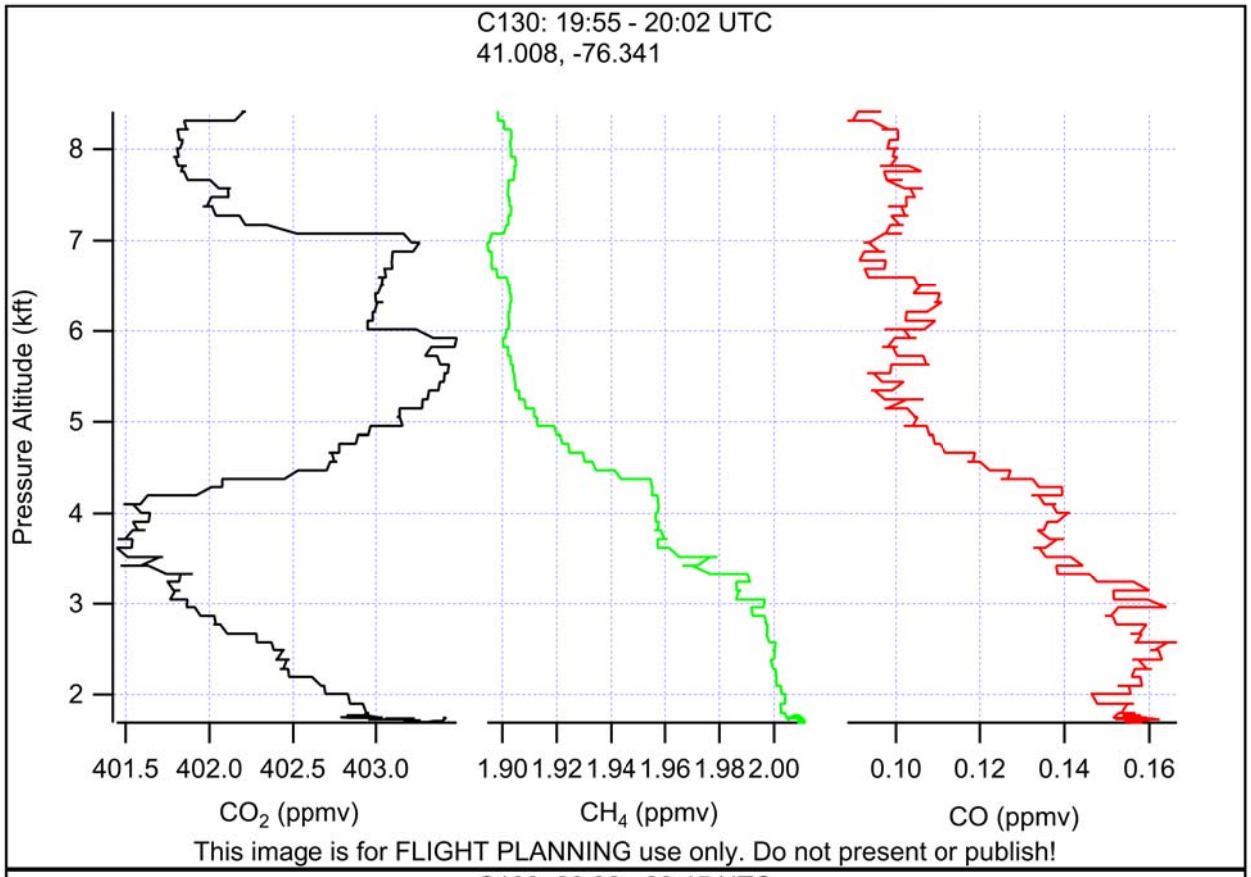

C130: 17:58 - 18:20 UTC
40.921, -77.363
Pressure Altitude (kft)
12
10
8
6
4
2
398 400 402 404 406
CO_2 (ppmv)
1.92 1.96 2.00
CH_4 (ppmv)
0.08 0.10 0.12 0.14 0.16
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

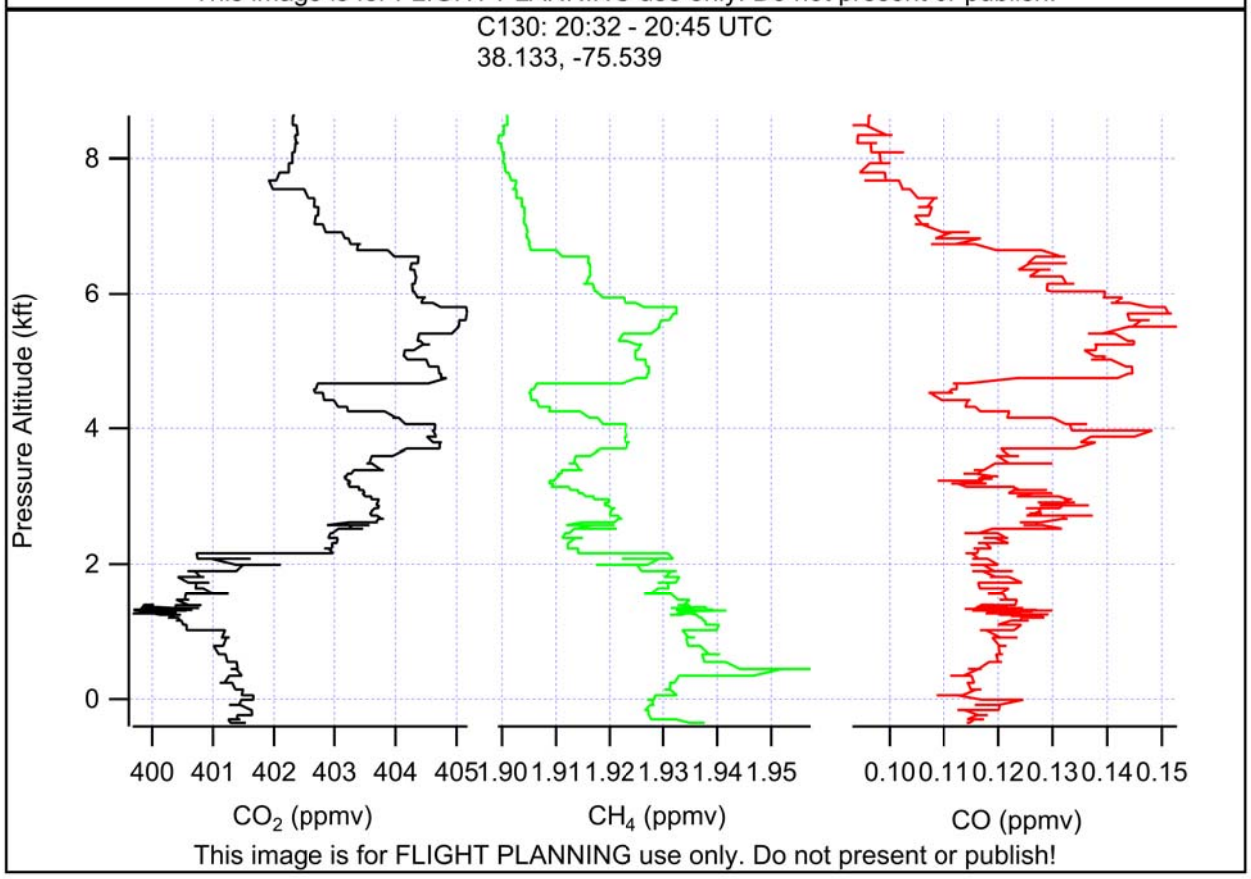

C130: 18:20 - 18:29 UTC
40.031, -76.429
Pressure Altitude (kft)
8
7
6
5
4
3
2
400
404
408
412
CO_2 (ppmv)
1.92
1.96
2.00
CH_4 (ppmv)
0.08
0.10
0.12
0.14
0.16
0.18
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

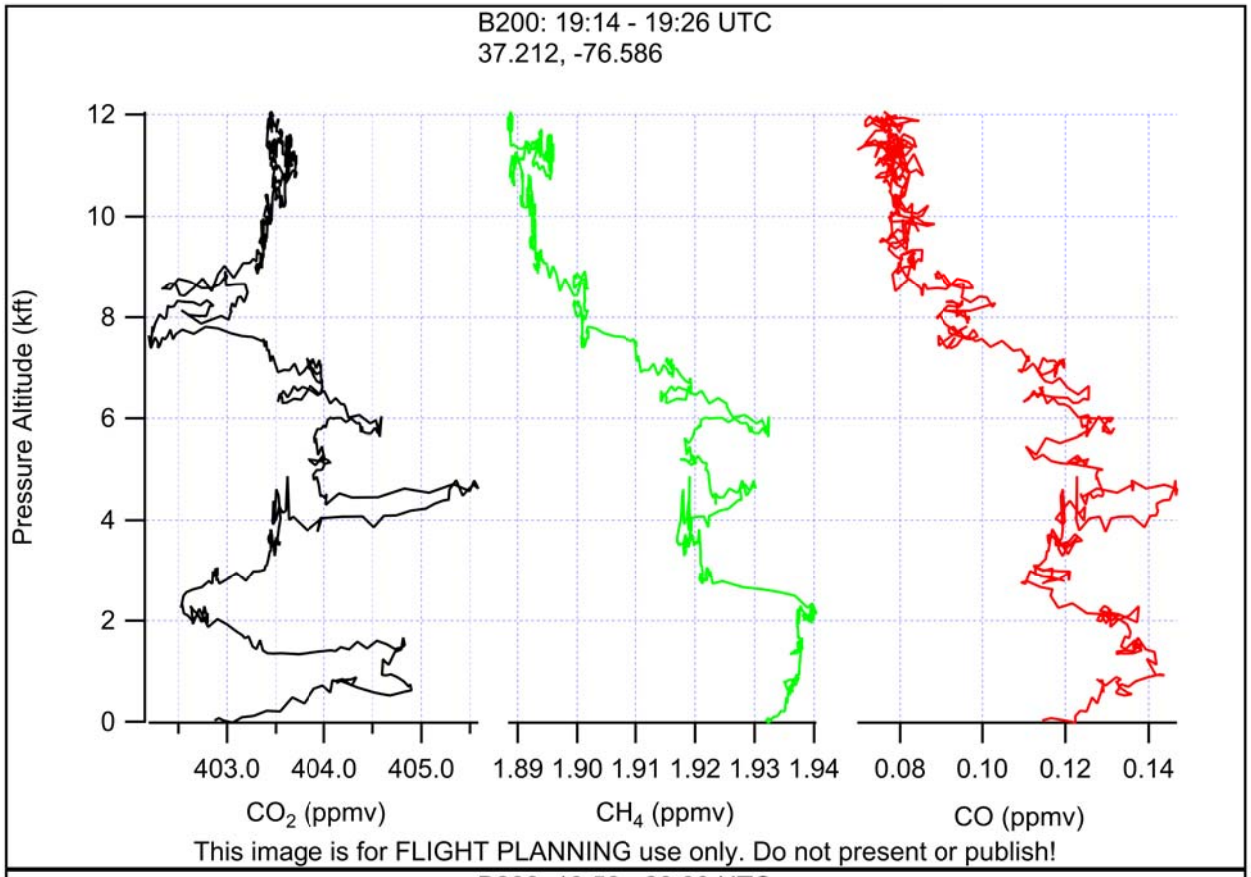

C130: 18:32 - 18:41 UTC
39.677, -75.936
Pressure Altitude (kft)
8
7
6
5
4
3
2
398
400
402
CO_2 (ppmv)
1.92
1.96
2.00
CH_4 (ppmv)
0.10
0.12
0.14
0.16
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

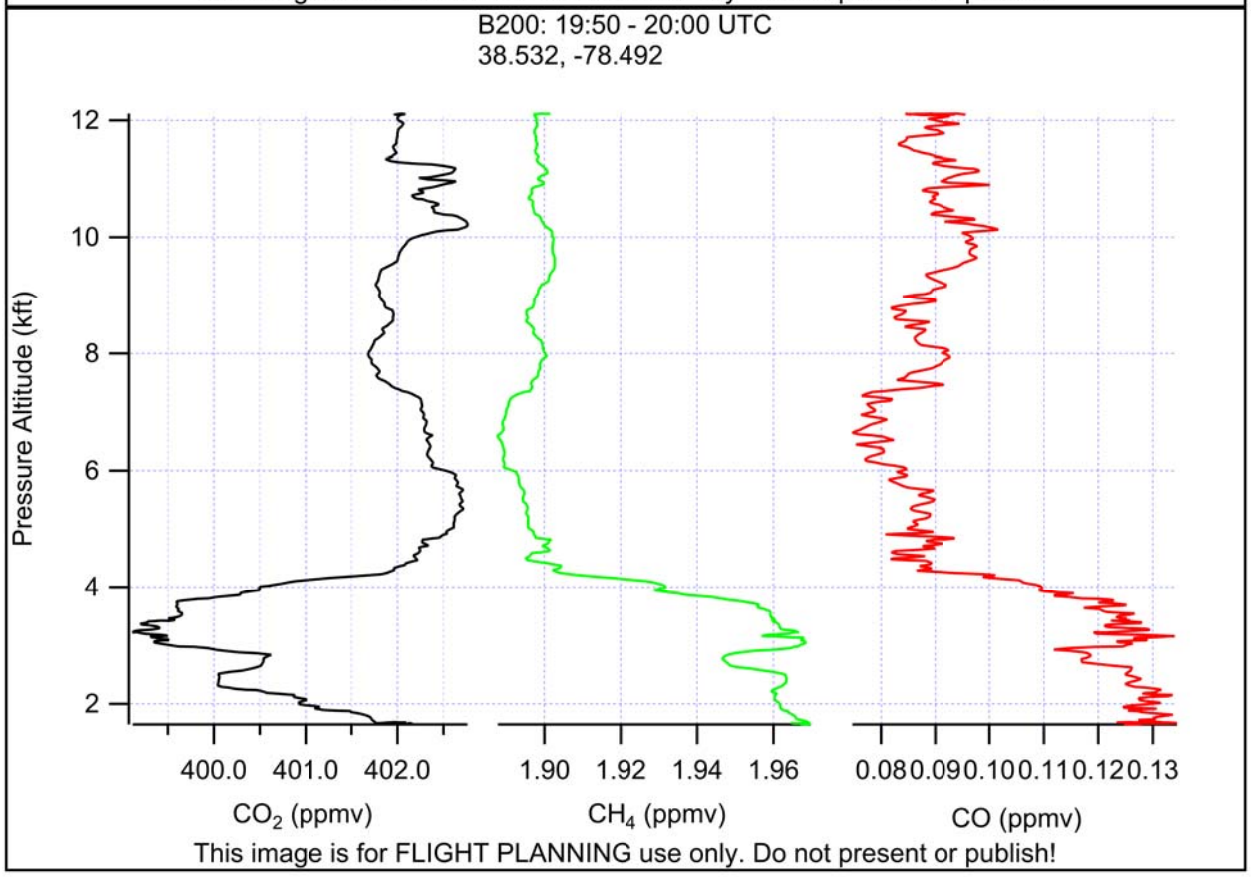

C130: 19:22 - 19:31 UTC
42.21, -76.547
Pressure Altitude (kft)
8
7
6
5
4
3
2
401.0
402.0
403.0
CO_2 (ppmv)
1.92
1.96
2.00
CH_4 (ppmv)
0.08
0.10
0.12
0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

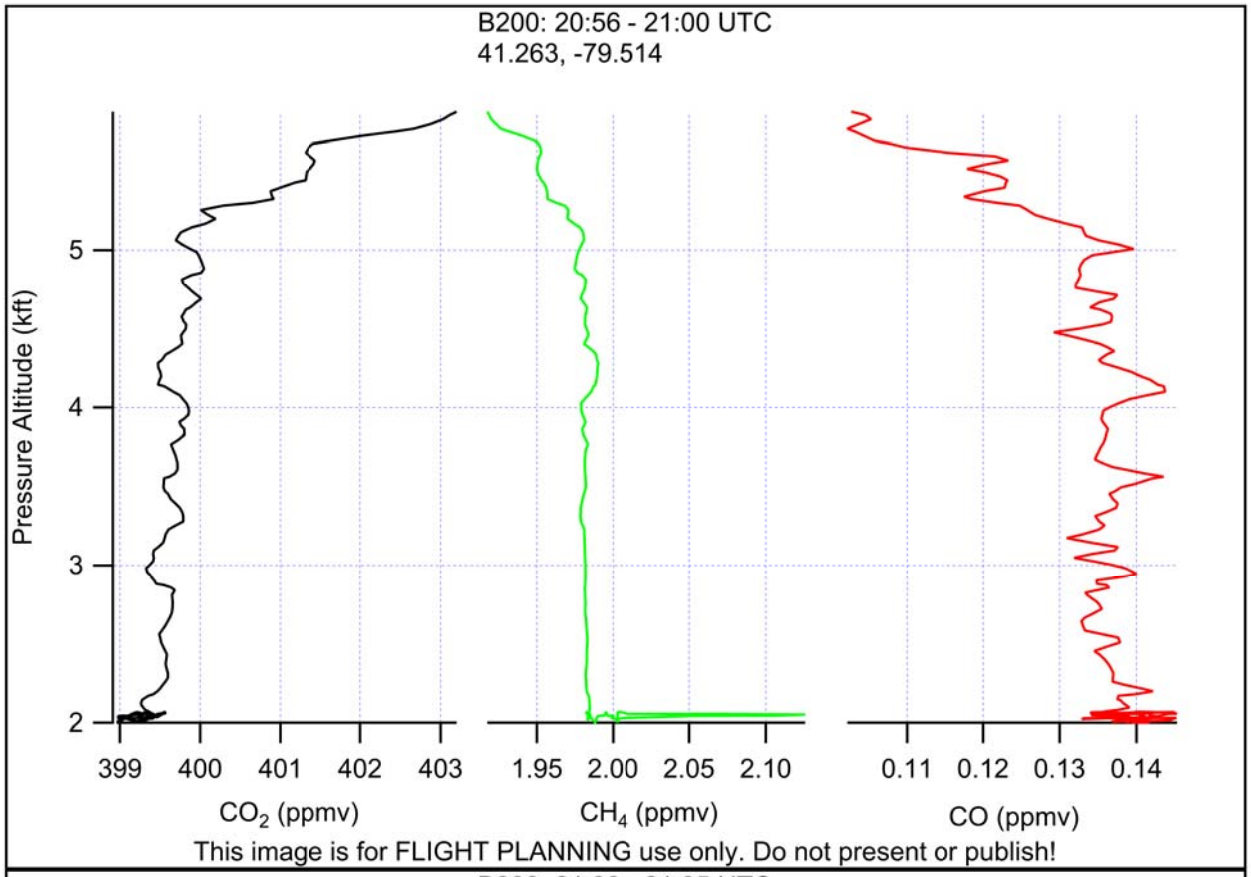

C130: 19:46 - 19:55 UTC
41.241, -76.357
Pressure Altitude (kft)
8
7
6
5
4
3
2
401.0
401.5
402.0
402.5
403.0
403.5
CO_2 (ppmv)
1.92
1.96
2.00
CH_4 (ppmv)
0.10
0.12
0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

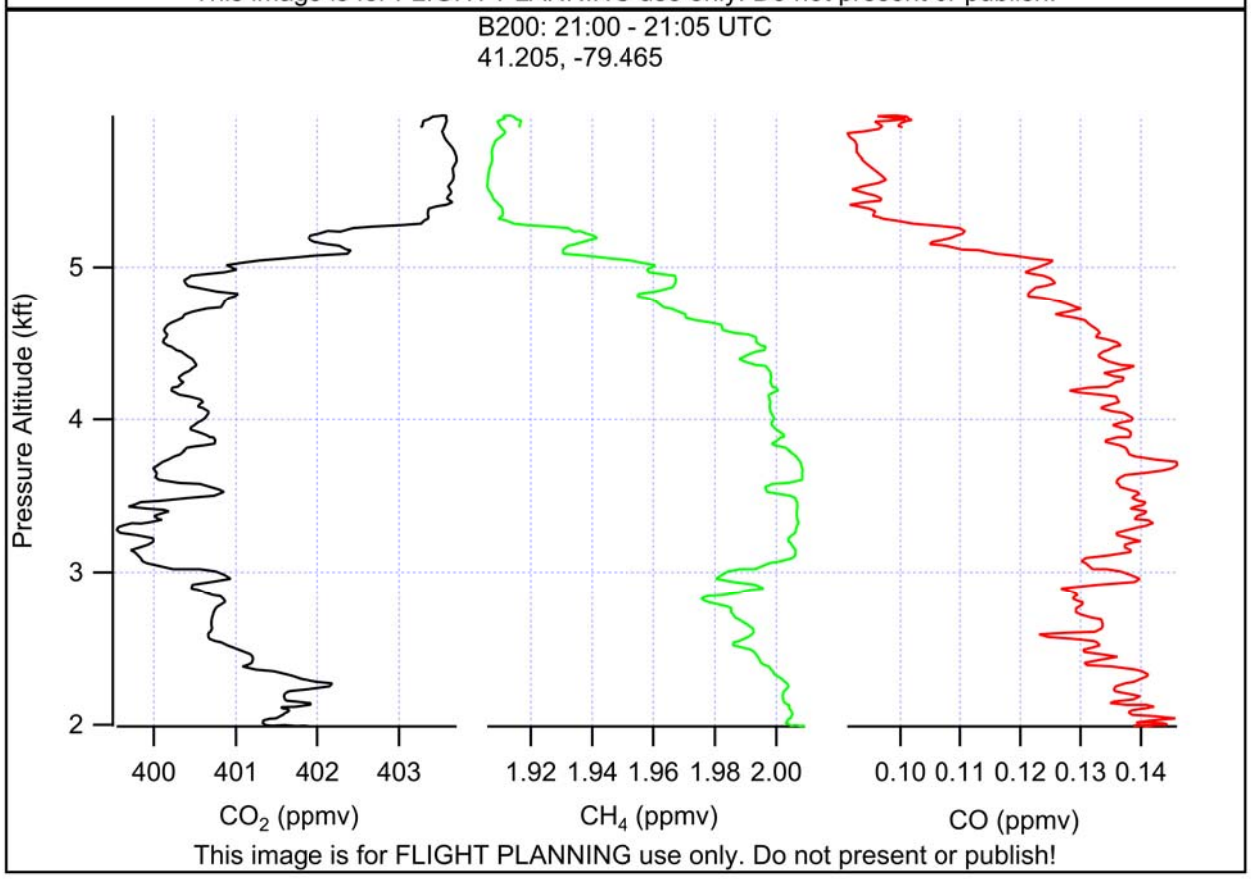

C130: 19:55 - 20:02 UTC
41.008, -76.341
Pressure Altitude (kft)
8
7
6
5
4
3
2
401.5 402.0 402.5 403.0
CO2 (ppmv)
1.90 1.92 1.94 1.96 1.98 2.00
CH4 (ppmv)
0.10 0.12 0.14 0.16
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

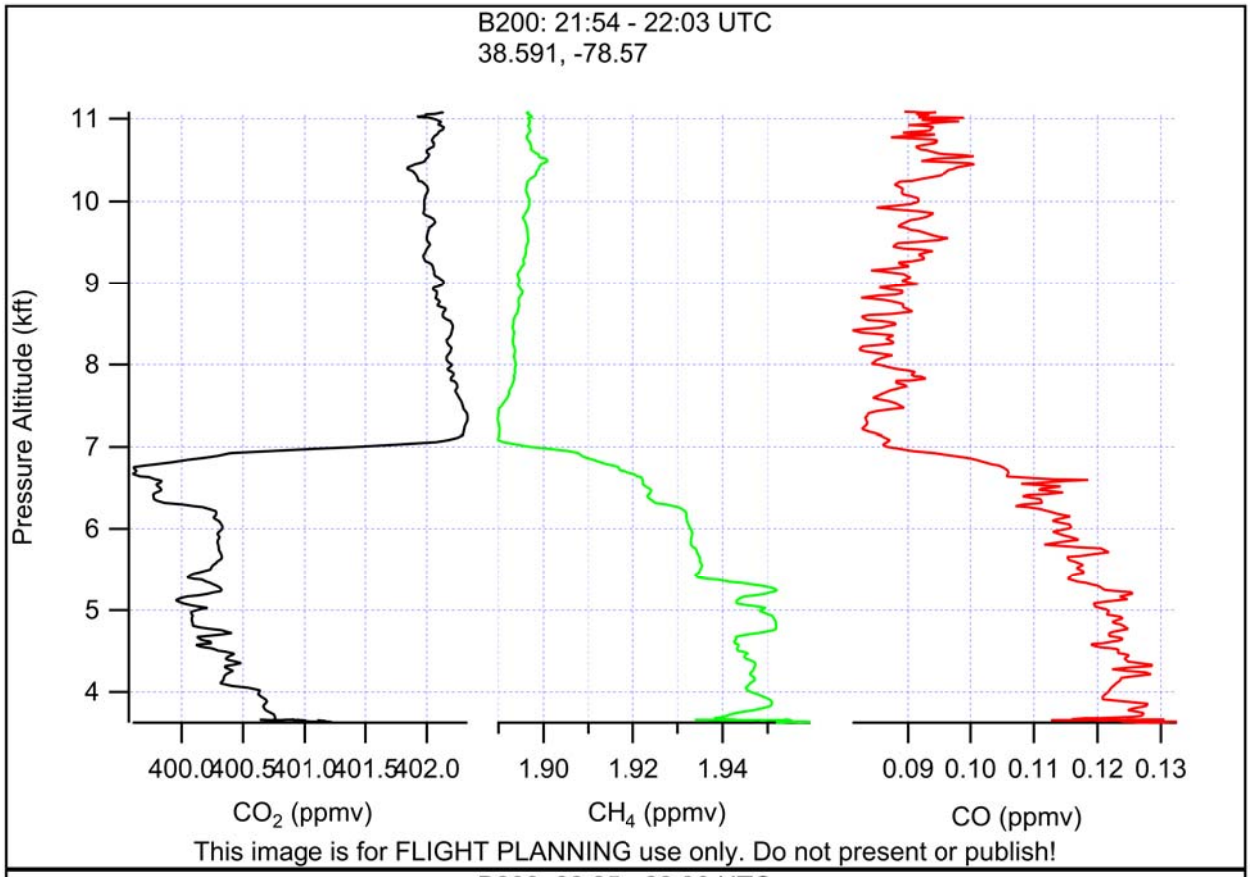

C130: 20:32 - 20:45 UTC
38.133, -75.539
Pressure Altitude (kft)
8
6
4
2
0
400 401 402 403 404 405
CO2 (ppmv)
1.90 1.91 1.92 1.93 1.94 1.95
CH4 (ppmv)
0.10 0.11 0.12 0.13 0.14 0.15
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

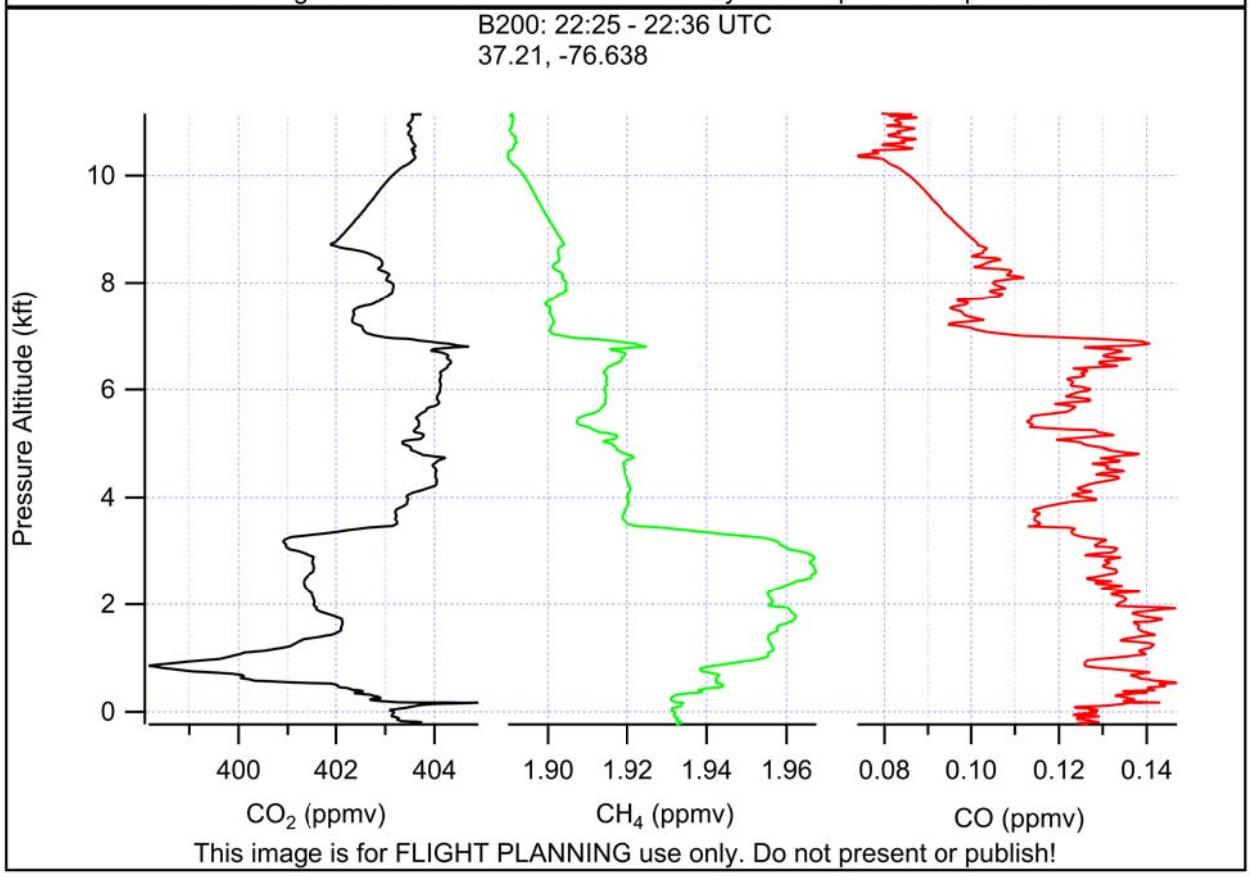

B200: 19:14 - 19:26 UTC
37.212, -76.586
Pressure Altitude (kft)
0
2
4
6
8
10
12
403.0 404.0 405.0
CO2 (ppmv)
1.89 1.90 1.91 1.92 1.93 1.94
CH4 (ppmv)
0.08 0.10 0.12 0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

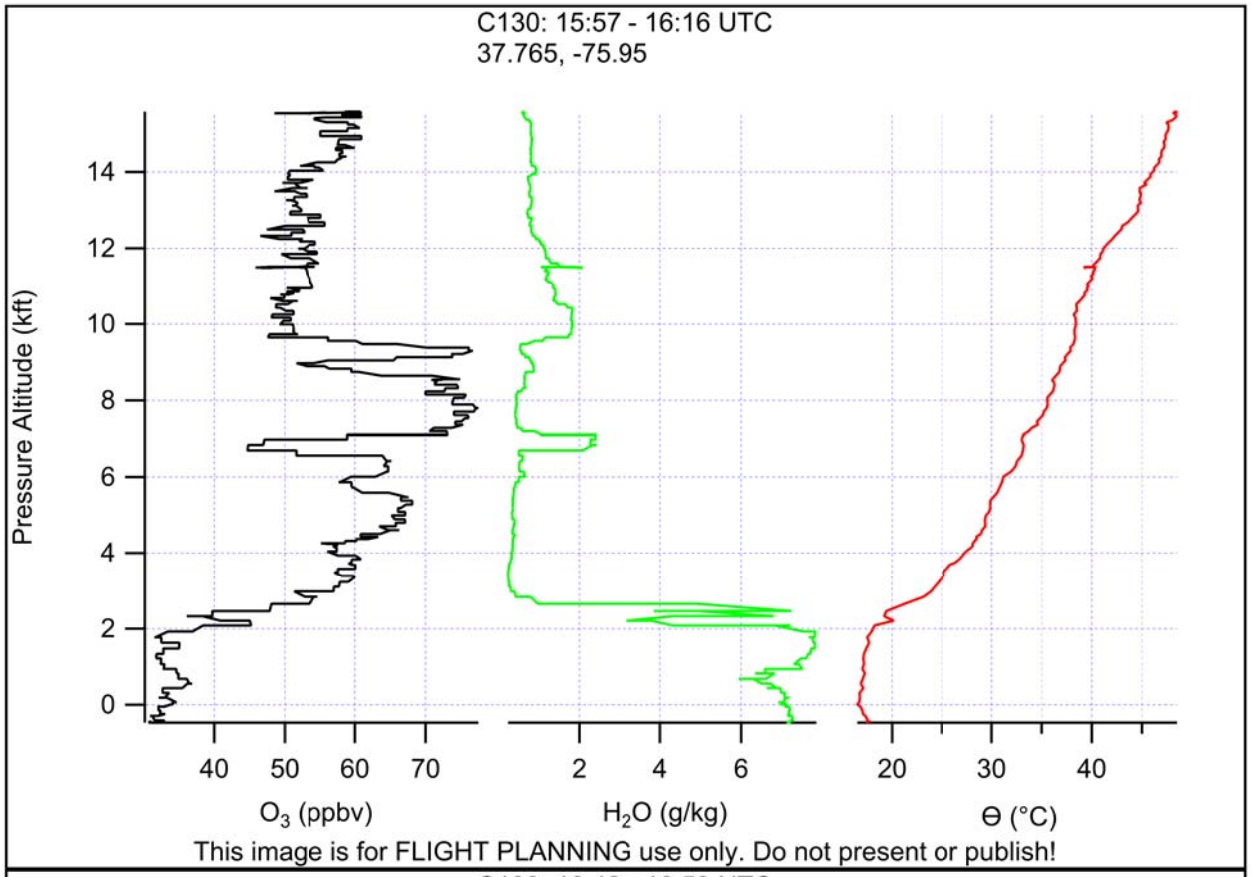

B200: 19:50 - 20:00 UTC
38.532, -78.492
Pressure Altitude (kft)
2
4
6
8
10
12
400.0 401.0 402.0
CO2 (ppmv)
1.90 1.92 1.94 1.96
CH4 (ppmv)
0.08 0.09 0.10 0.11 0.12 0.13
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

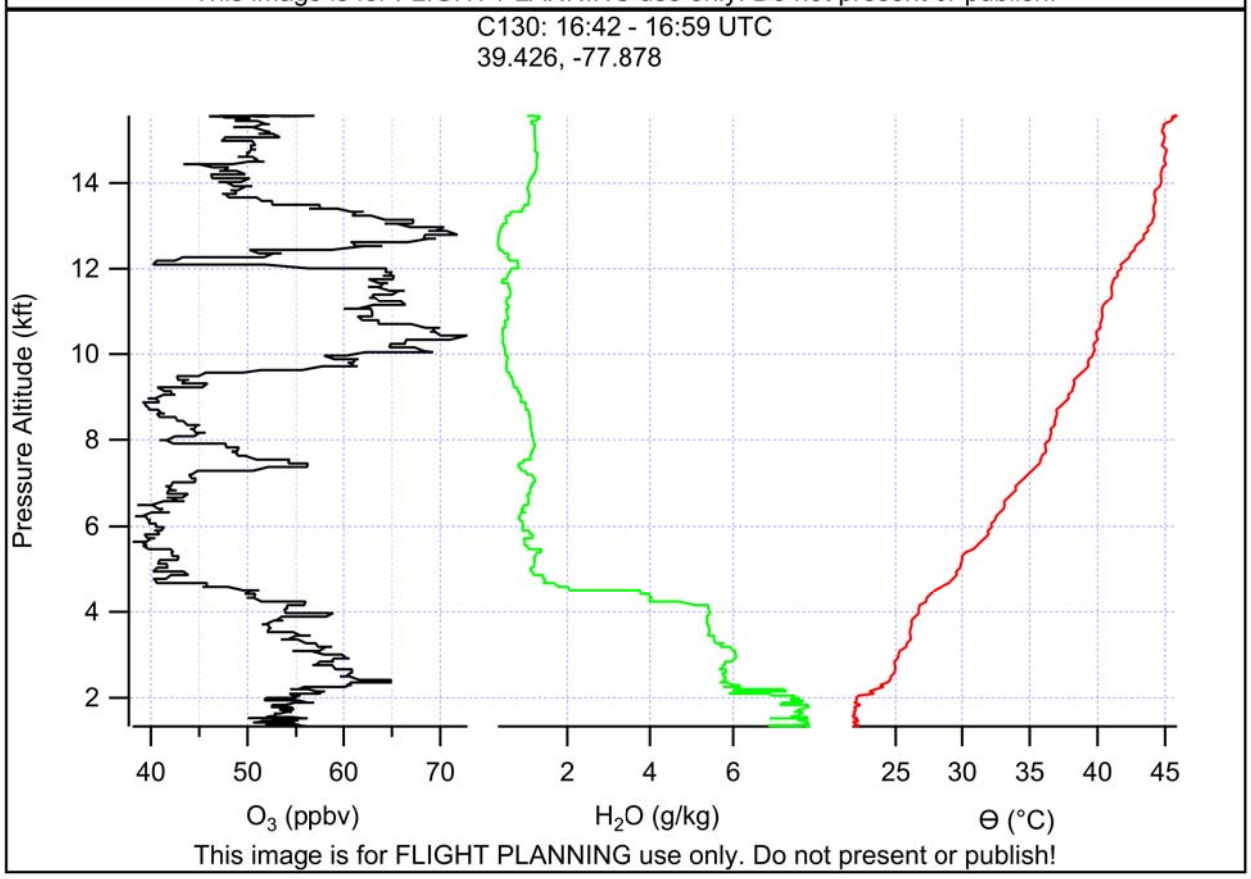

B200: 20:56 - 21:00 UTC
41.263, -79.514
Pressure Altitude (kft)
5
4
3
2
399 400 401 402 403
CO2 (ppmv)
1.95 2.00 2.05 2.10
CH4 (ppmv)
0.11 0.12 0.13 0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

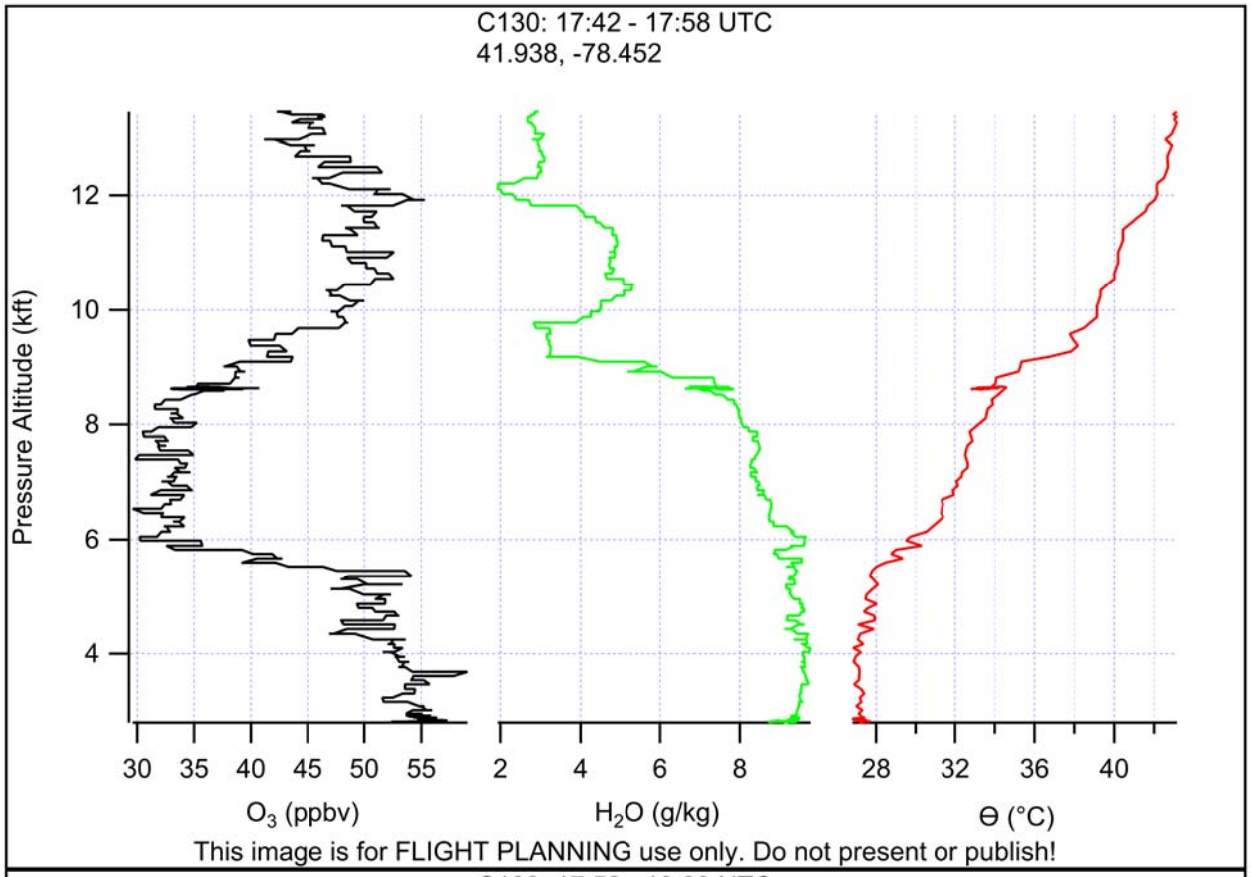

B200: 21:00 - 21:05 UTC
41.205, -79.465
Pressure Altitude (kft)
5
4
3
2
400 401 402 403
CO2 (ppmv)
1.92 1.94 1.96 1.98 2.00
CH4 (ppmv)
0.10 0.11 0.12 0.13 0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

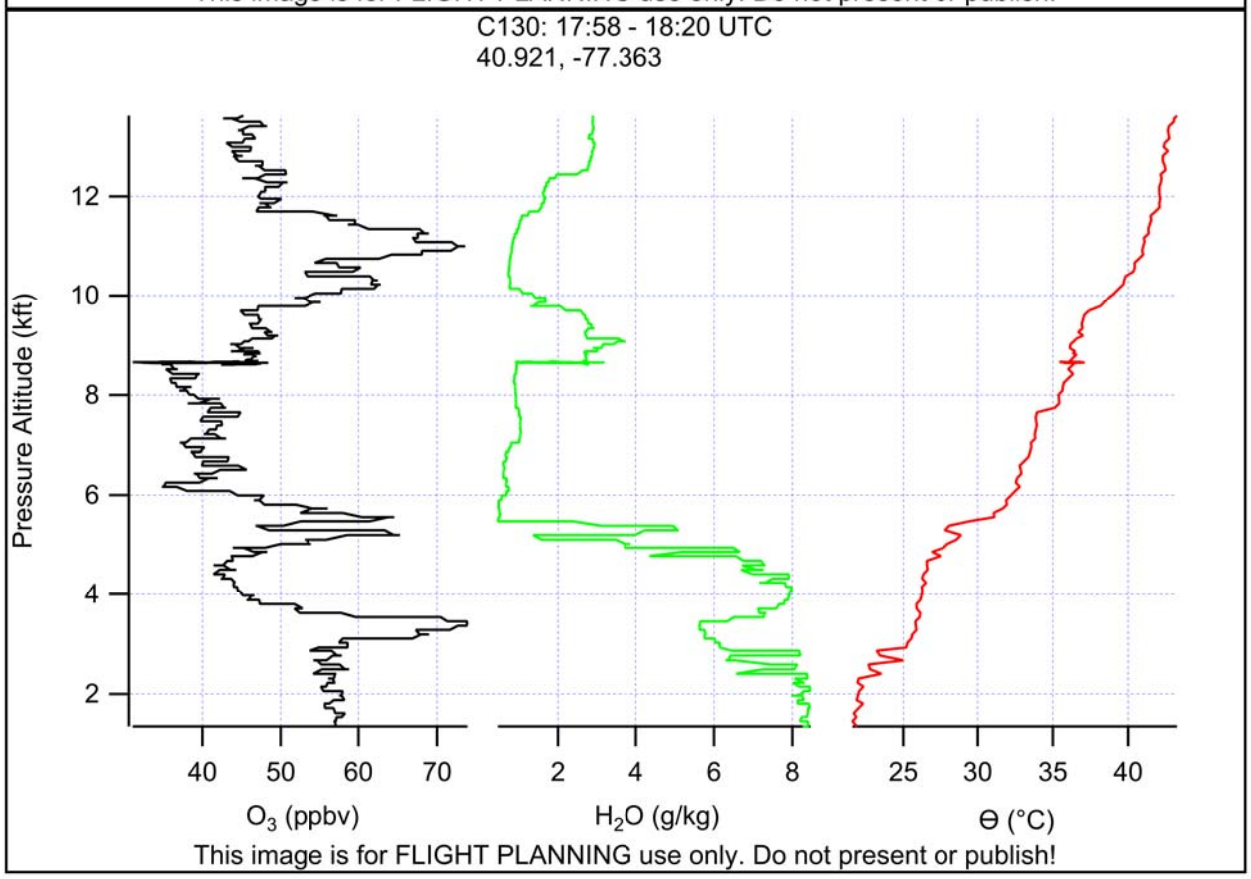

B200: 21:54 - 22:03 UTC
38.591, -78.57
Pressure Altitude (kft)
11
10
9
8
7
6
5
4
400.0 400.5 401.0 401.5 402.0
CO2 (ppmv)
1.90 1.92 1.94
CH4 (ppmv)
0.09 0.10 0.11 0.12 0.13
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

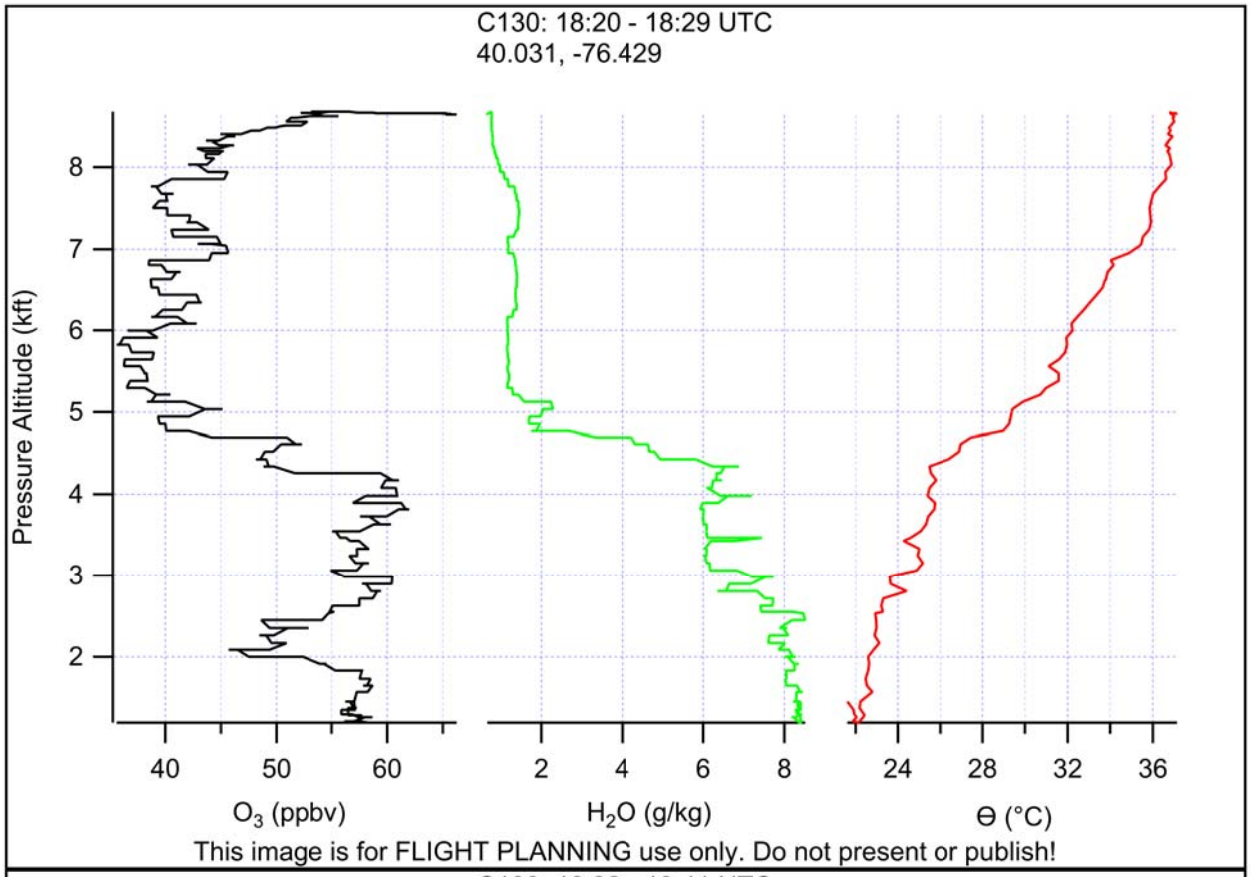

B200: 22:25 - 22:36 UTC
37.21, -76.638
Pressure Altitude (kft)
10
8
6
4
2
0
400 402 404
CO2 (ppmv)
1.90 1.92 1.94 1.96
CH4 (ppmv)
0.08 0.10 0.12 0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

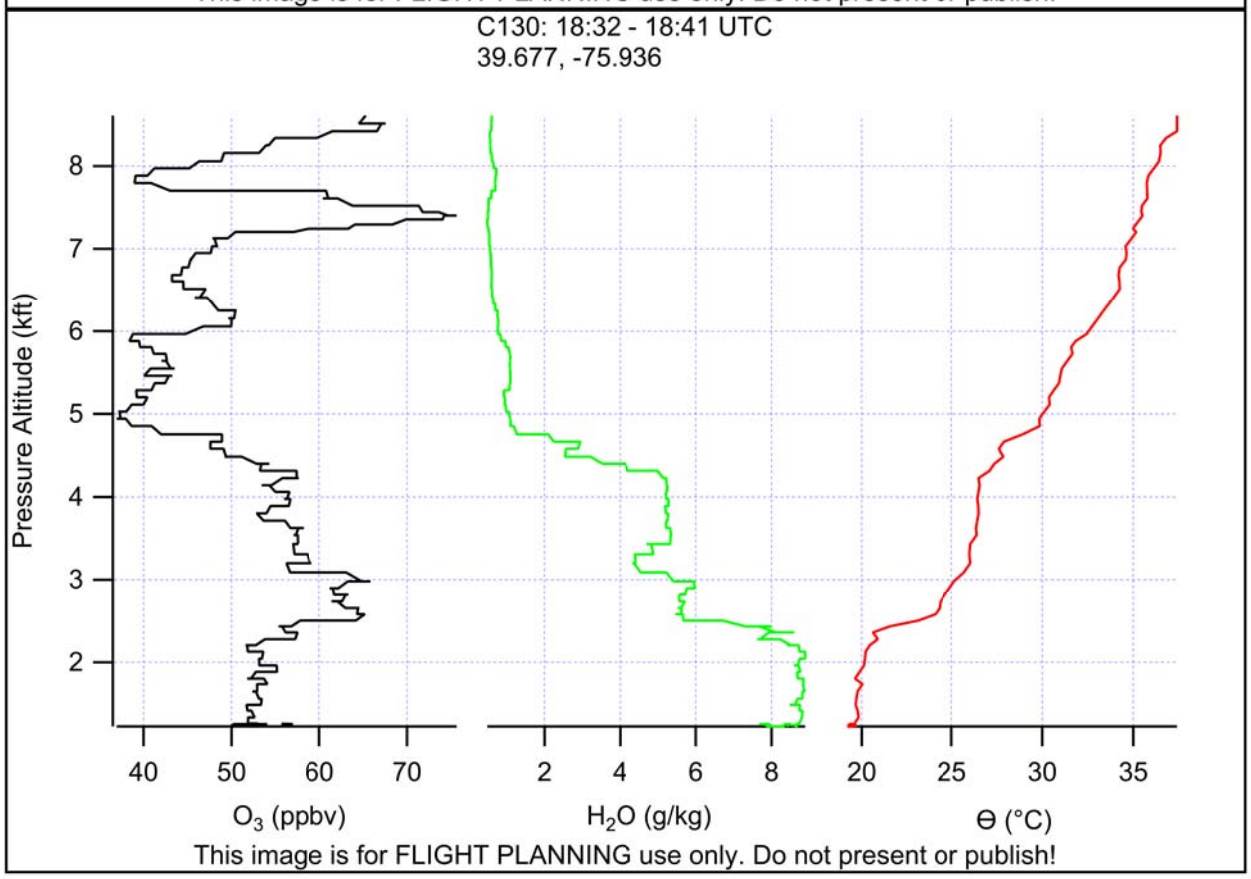

C130: 15:57 - 16:16 UTC
37.765, -75.95
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
40
50
60
70
O3 (ppbv)
2
4
6
H2O (g/kg)
20
30
40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

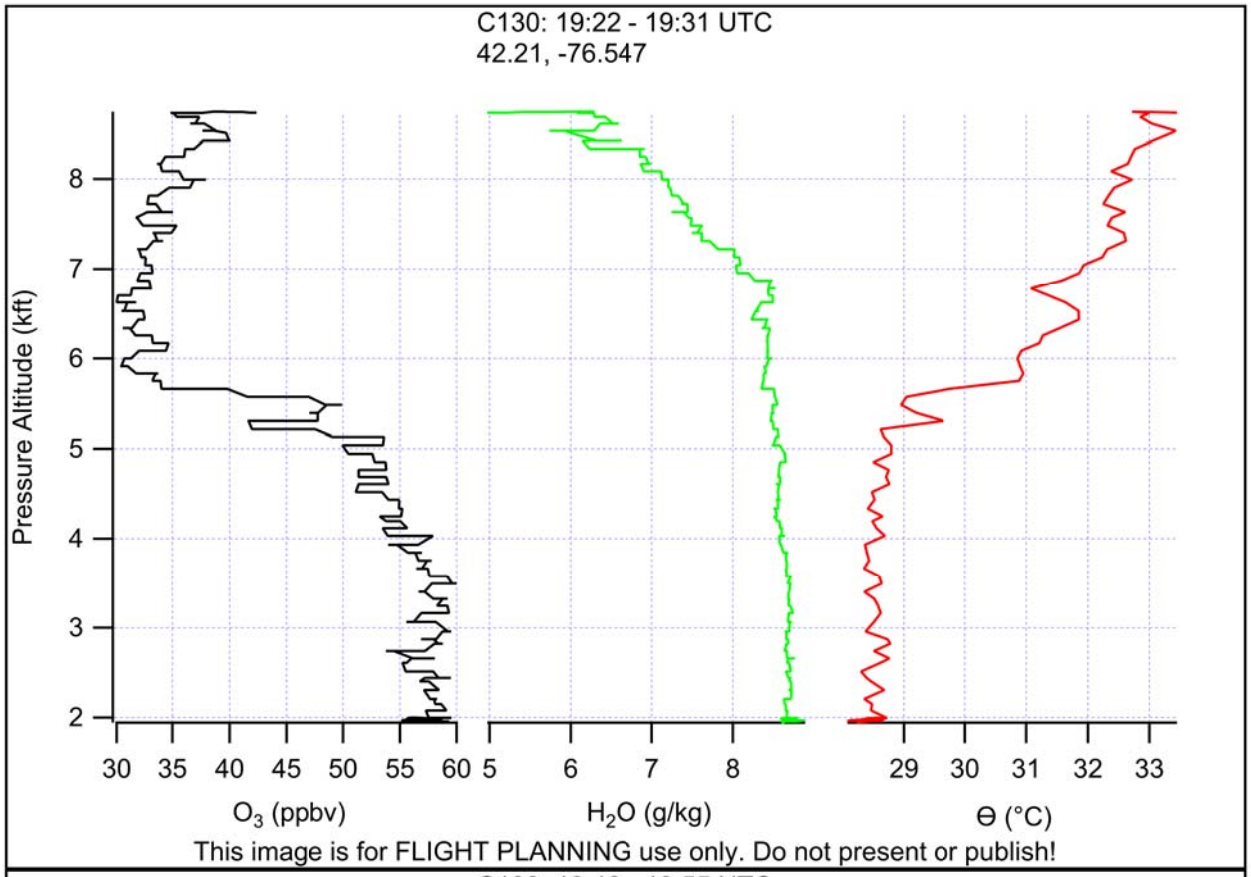

C130: 16:42 - 16:59 UTC
39.426, -77.878
Pressure Altitude (kft)
2
4
6
8
10
12
14
40
50
60
70
O3 (ppbv)
2
4
6
H2O (g/kg)
25
30
35
40
45
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

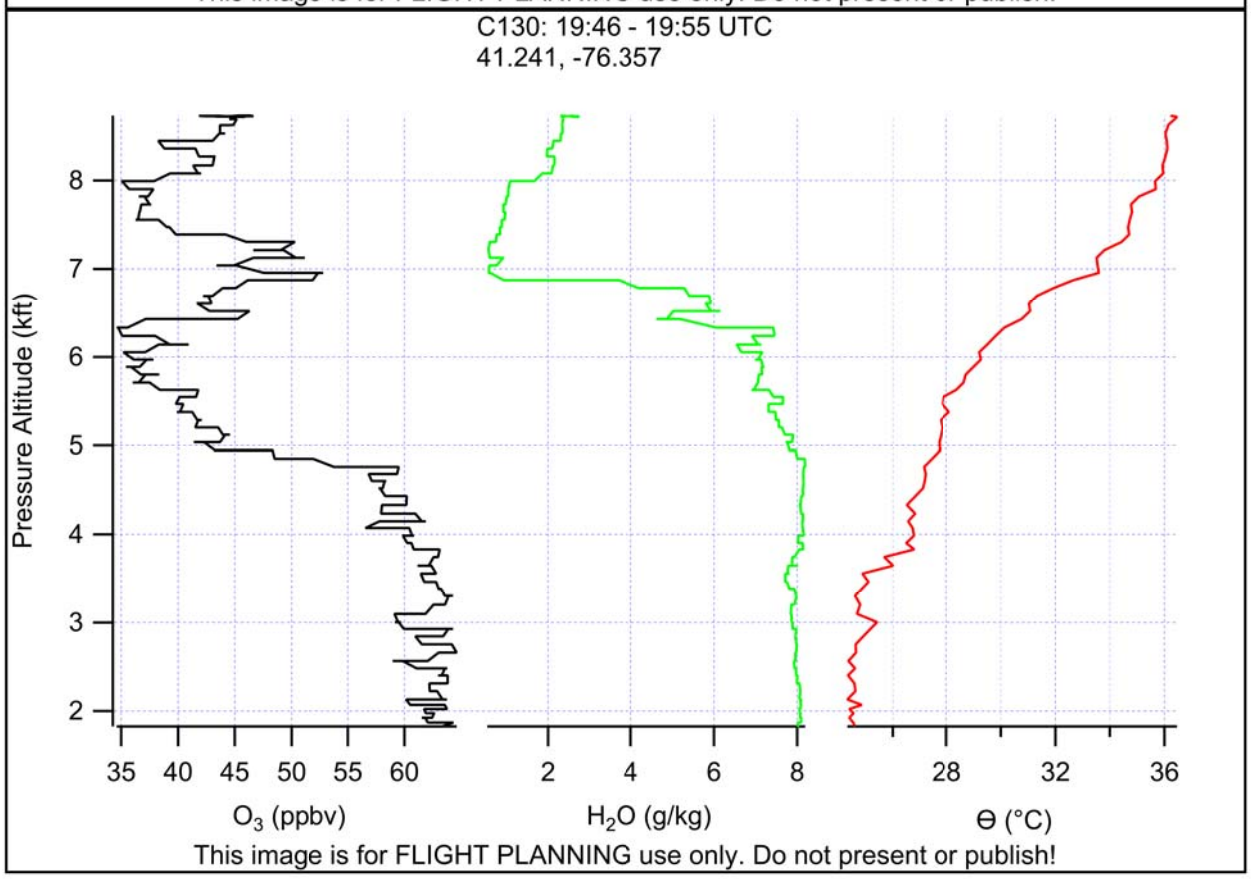

C130: 17:42 - 17:58 UTC
41.938, -78.452
Pressure Altitude (kft)
12
10
8
6
4
30 35 40 45 50 55
O3 (ppbv)
2 4 6 8
H2O (g/kg)
28 32 36 40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

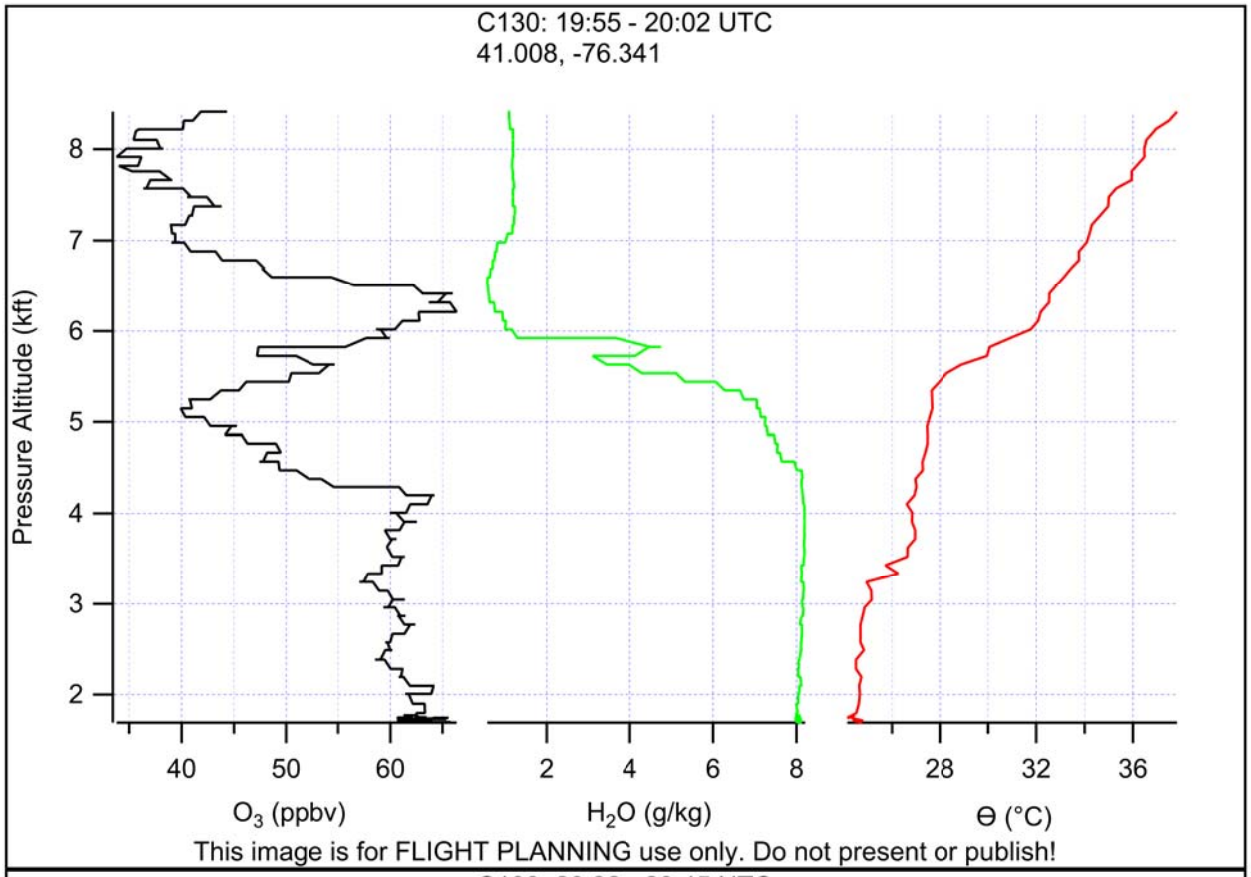

C130: 17:58 - 18:20 UTC
40.921, -77.363
Pressure Altitude (kft)
12
10
8
6
4
2
40 50 60 70
O3 (ppbv)
2 4 6 8
H2O (g/kg)
25 30 35 40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

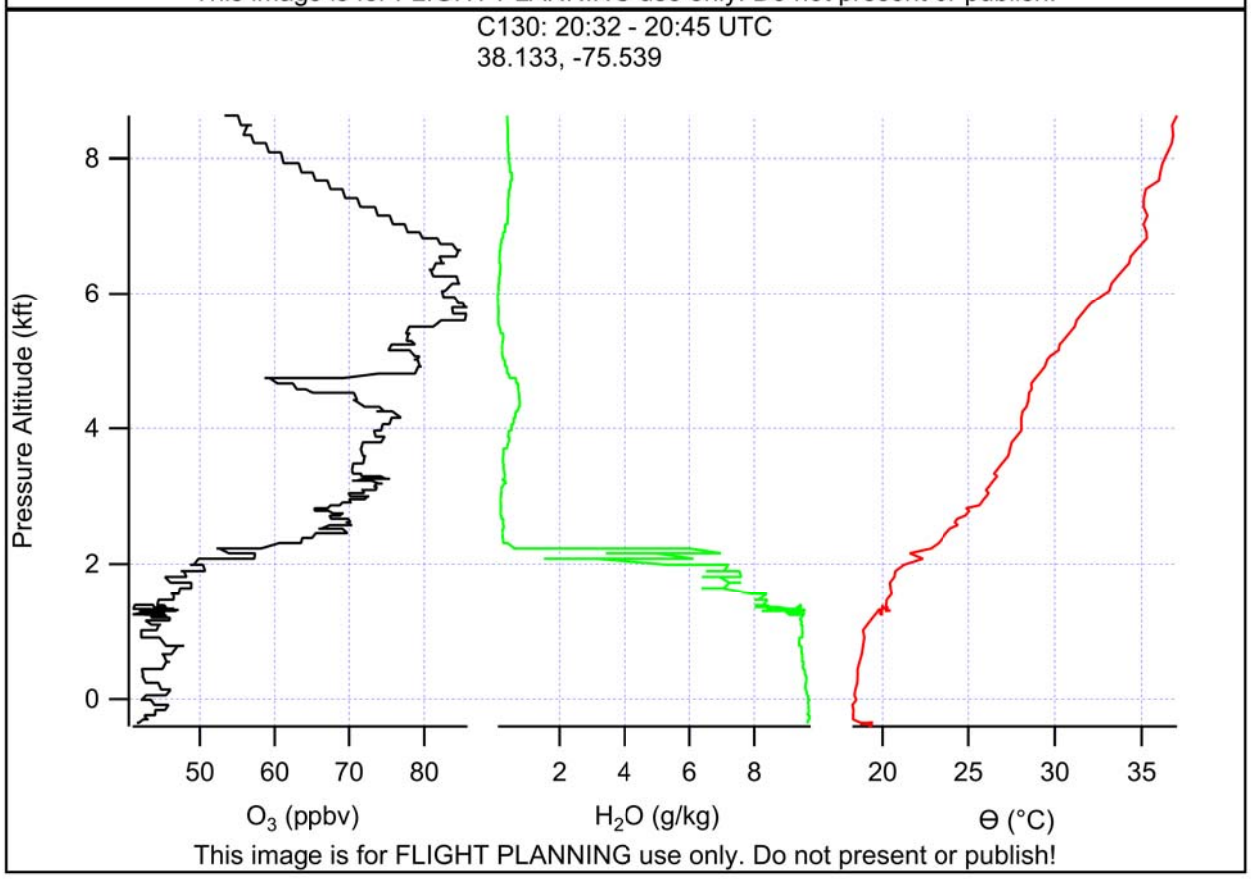

C130: 18:20 - 18:29 UTC
40.031, -76.429
Pressure Altitude (kft)
8
7
6
5
4
3
2
40
50
60
O3 (ppbv)
2
4
6
8
H2O (g/kg)
24
28
32
36
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

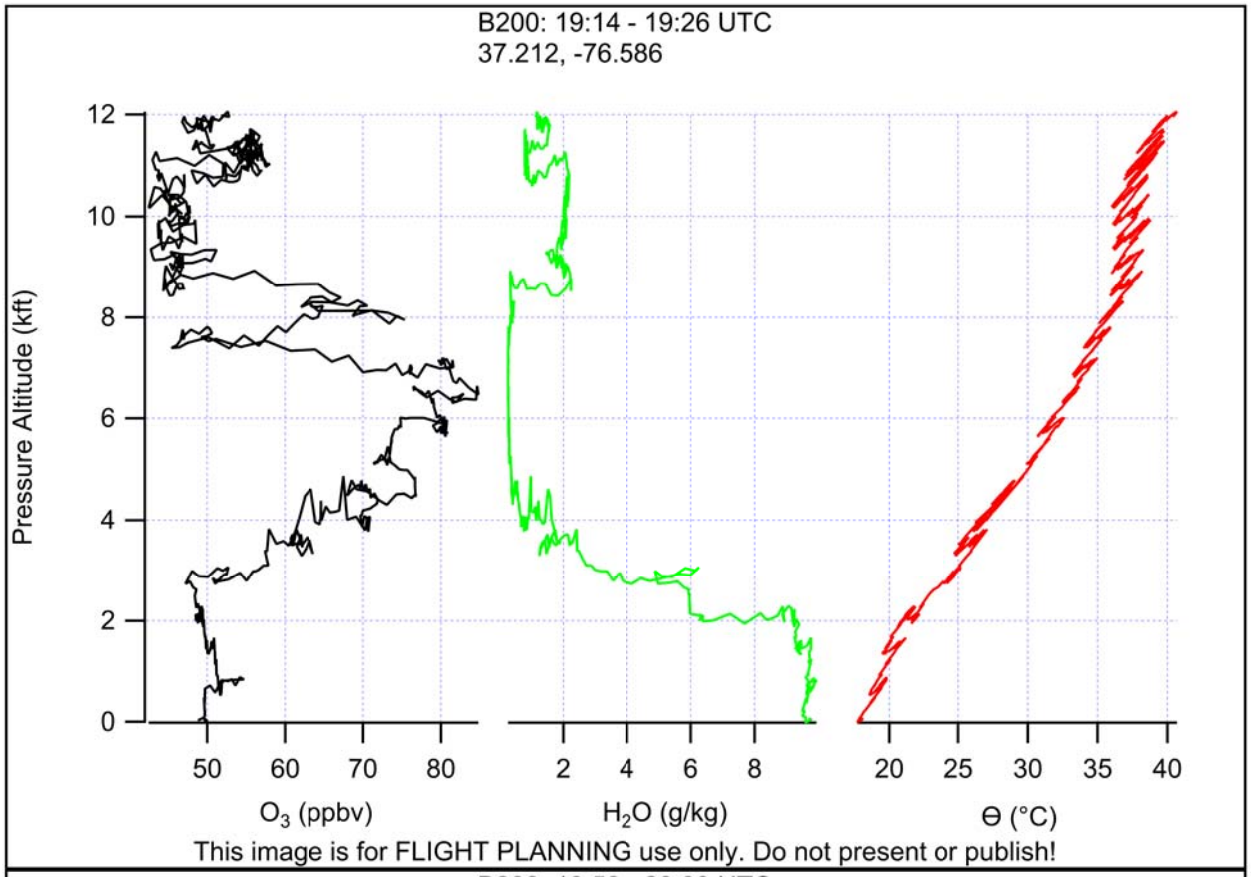

C130: 18:32 - 18:41 UTC
39.677, -75.936
Pressure Altitude (kft)
8
7
6
5
4
3
2
40
50
60
70
O3 (ppbv)
2
4
6
8
H2O (g/kg)
20
25
30
35
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

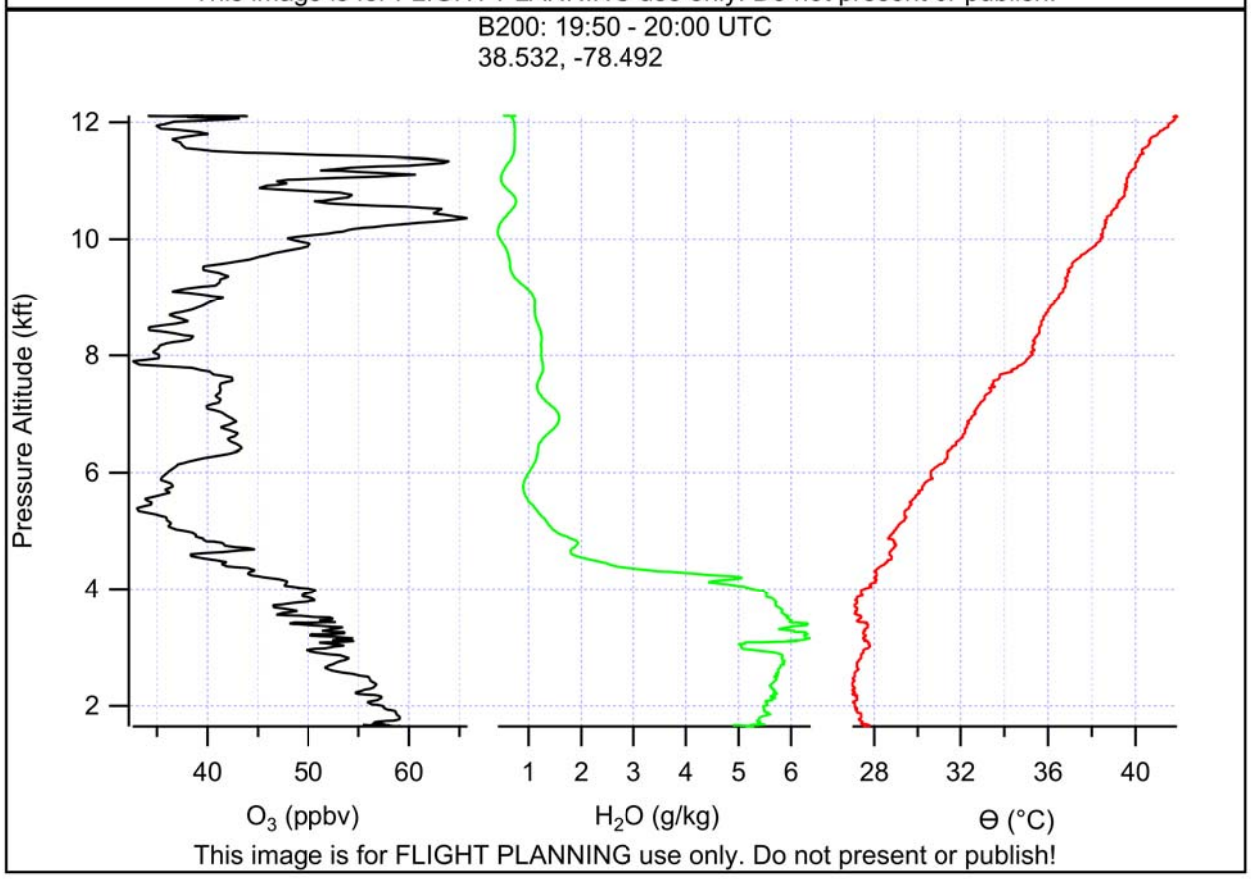

C130: 19:22 - 19:31 UTC
42.21, -76.547
Pressure Altitude (kft)
8
7
6
5
4
3
2
30 35 40 45 50 55 60
O3 (ppbv)
5 6 7 8
H2O (g/kg)
29 30 31 32 33
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

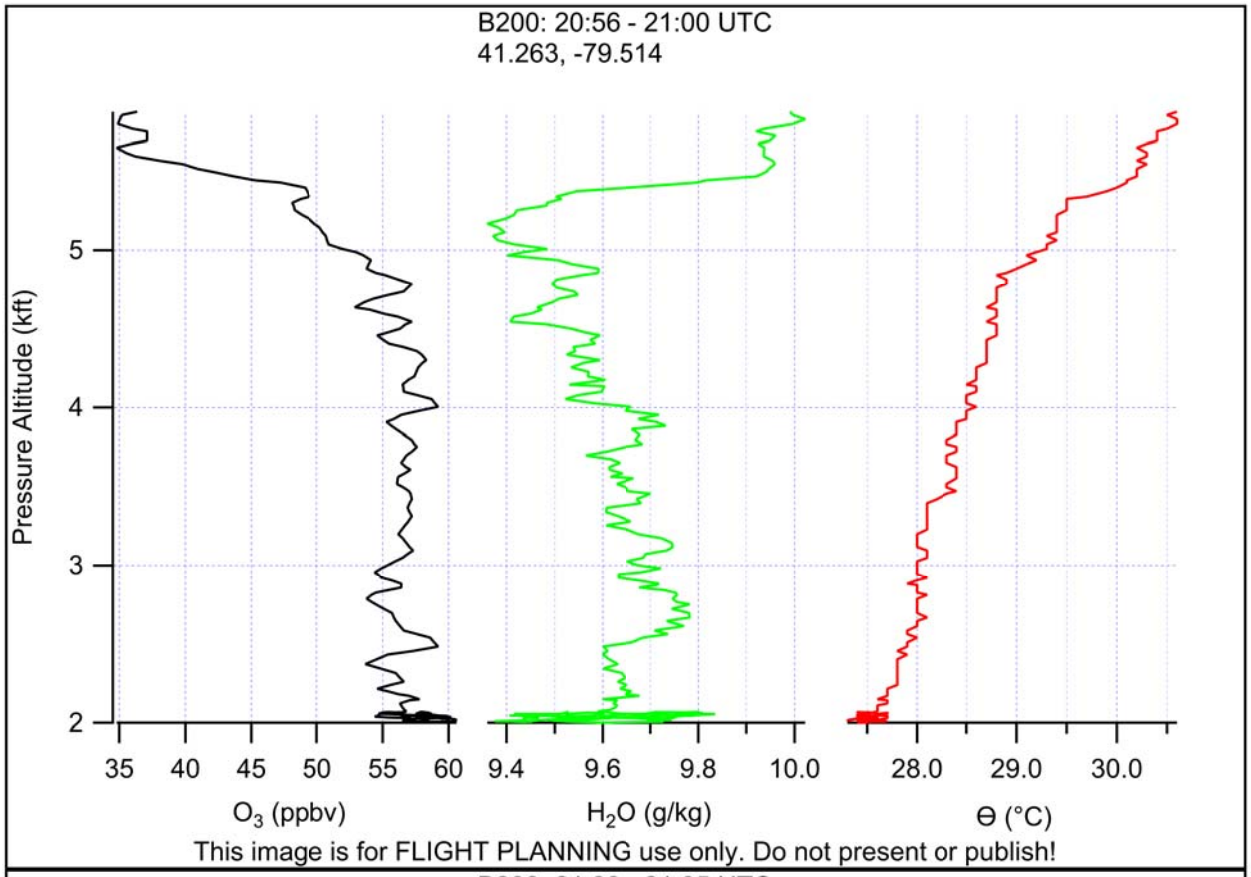

C130: 19:46 - 19:55 UTC
41.241, -76.357
Pressure Altitude (kft)
8
7
6
5
4
3
2
35 40 45 50 55 60
O3 (ppbv)
2 4 6 8
H2O (g/kg)
28 32 36
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

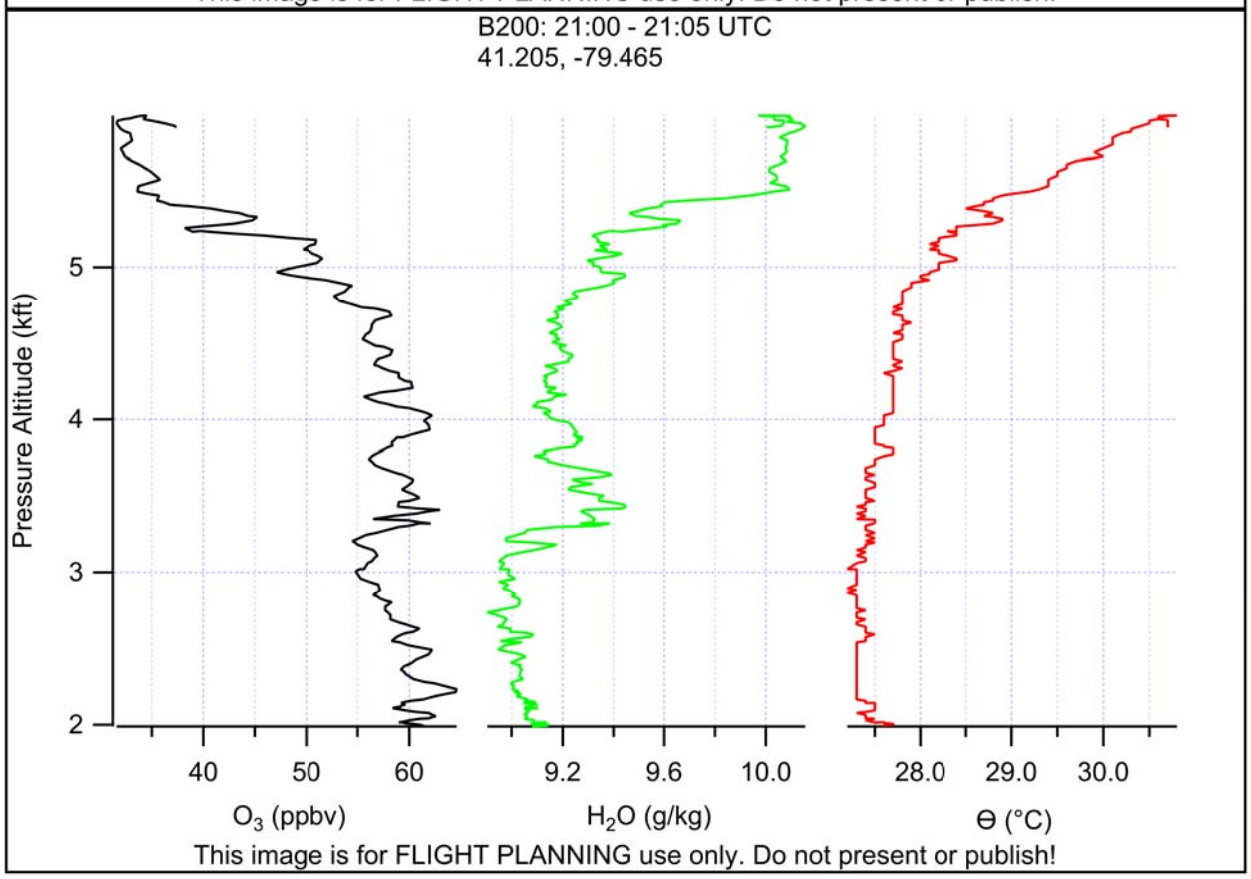

C130: 19:55 - 20:02 UTC
41.008, -76.341
Pressure Altitude (kft)
8
7
6
5
4
3
2
40
50
60
O3 (ppbv)
2
4
6
8
H2O (g/kg)
28
32
36
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

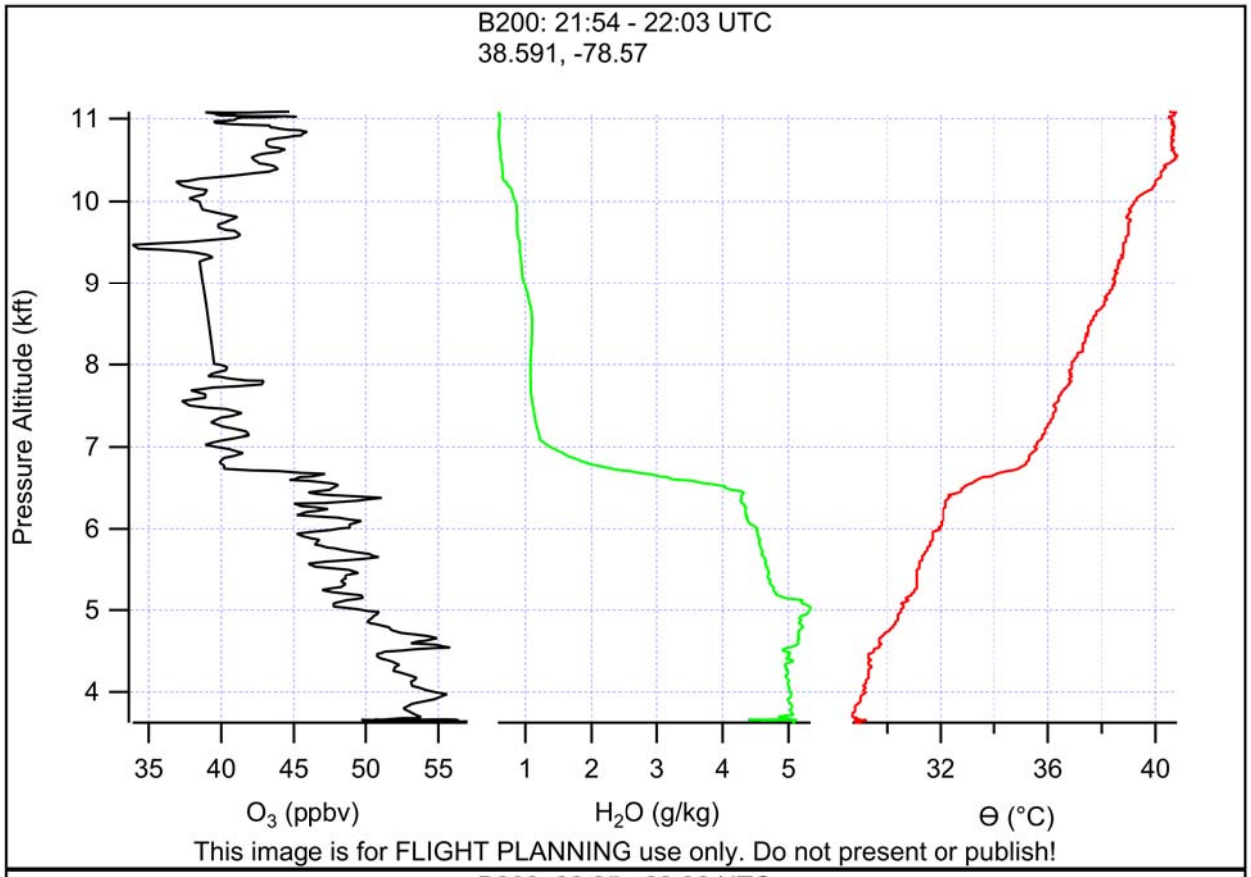

C130: 20:32 - 20:45 UTC
38.133, -75.539
Pressure Altitude (kft)
8
6
4
2
0
50
60
70
80
O3 (ppbv)
2
4
6
8
H2O (g/kg)
20
25
30
35
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

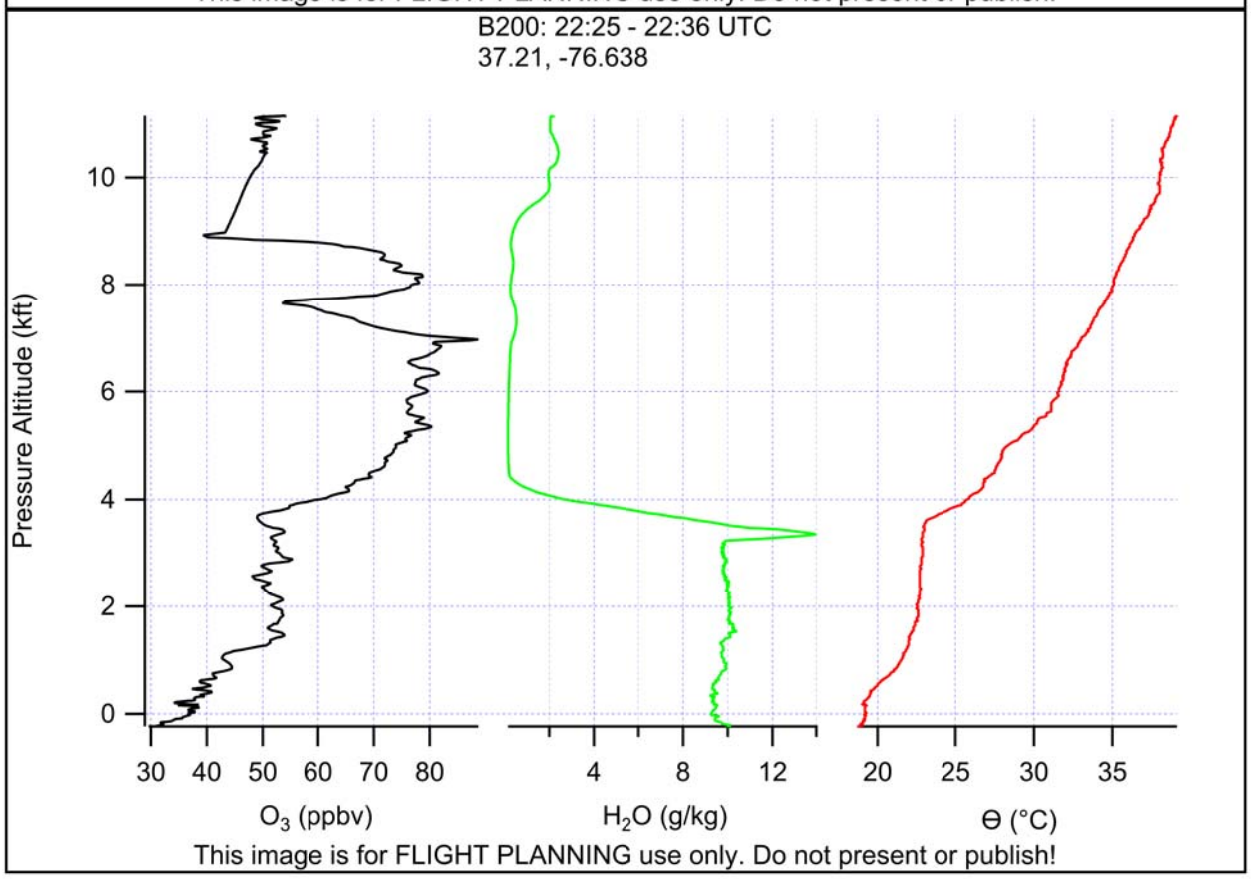

B200: 19:14 - 19:26 UTC
37.212, -76.586
Pressure Altitude (kft)
0
2
4
6
8
10
12
50
60
70
80
O3 (ppbv)
2
4
6
8
H2O (g/kg)
20
25
30
35
40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 19:50 - 20:00 UTC
38.532, -78.492
Pressure Altitude (kft)
2
4
6
8
10
12
40
50
60
O3 (ppbv)
1
2
3
4
5
6
H2O (g/kg)
28
32
36
40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 20:56 - 21:00 UTC
41.263, -79.514
Pressure Altitude (kft)
5
4
3
2
35 40 45 50 55 60
O3 (ppbv)
9.4 9.6 9.8 10.0
H2O (g/kg)
28.0 29.0 30.0
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 21:00 - 21:05 UTC
41.205, -79.465
Pressure Altitude (kft)
5
4
3
2
40 50 60
O3 (ppbv)
9.2 9.6 10.0
H2O (g/kg)
28.0 29.0 30.0
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 21:54 - 22:03 UTC
38.591, -78.57
Pressure Altitude (kft)
11
10
9
8
7
6
5
4
35 40 45 50 55
O3 (ppbv)
1 2 3 4 5
H2O (g/kg)
32 36 40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 22:25 - 22:36 UTC
37.21, -76.638
Pressure Altitude (kft)
10
8
6
4
2
0
30 40 50 60 70 80
O3 (ppbv)
4 8 12
H2O (g/kg)
20 25 30 35
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!