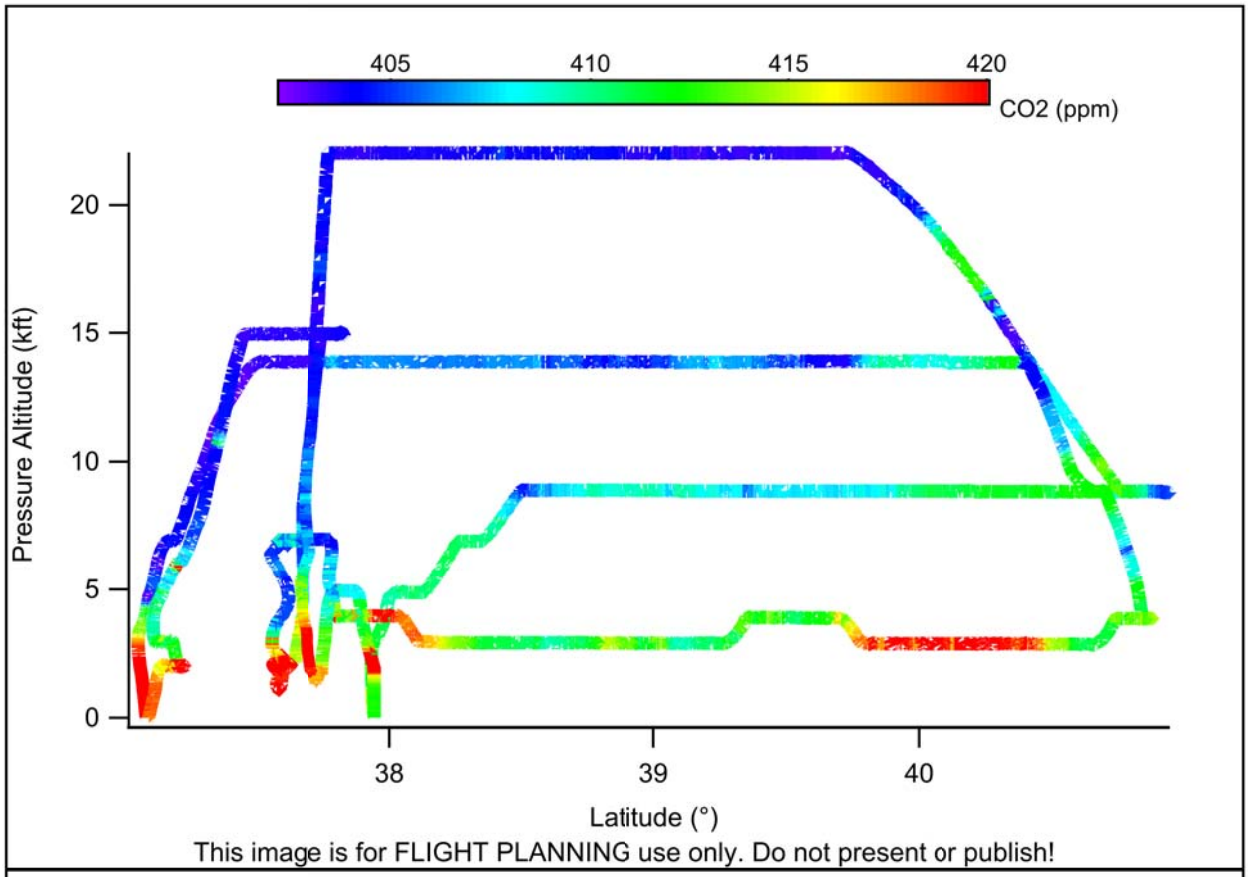
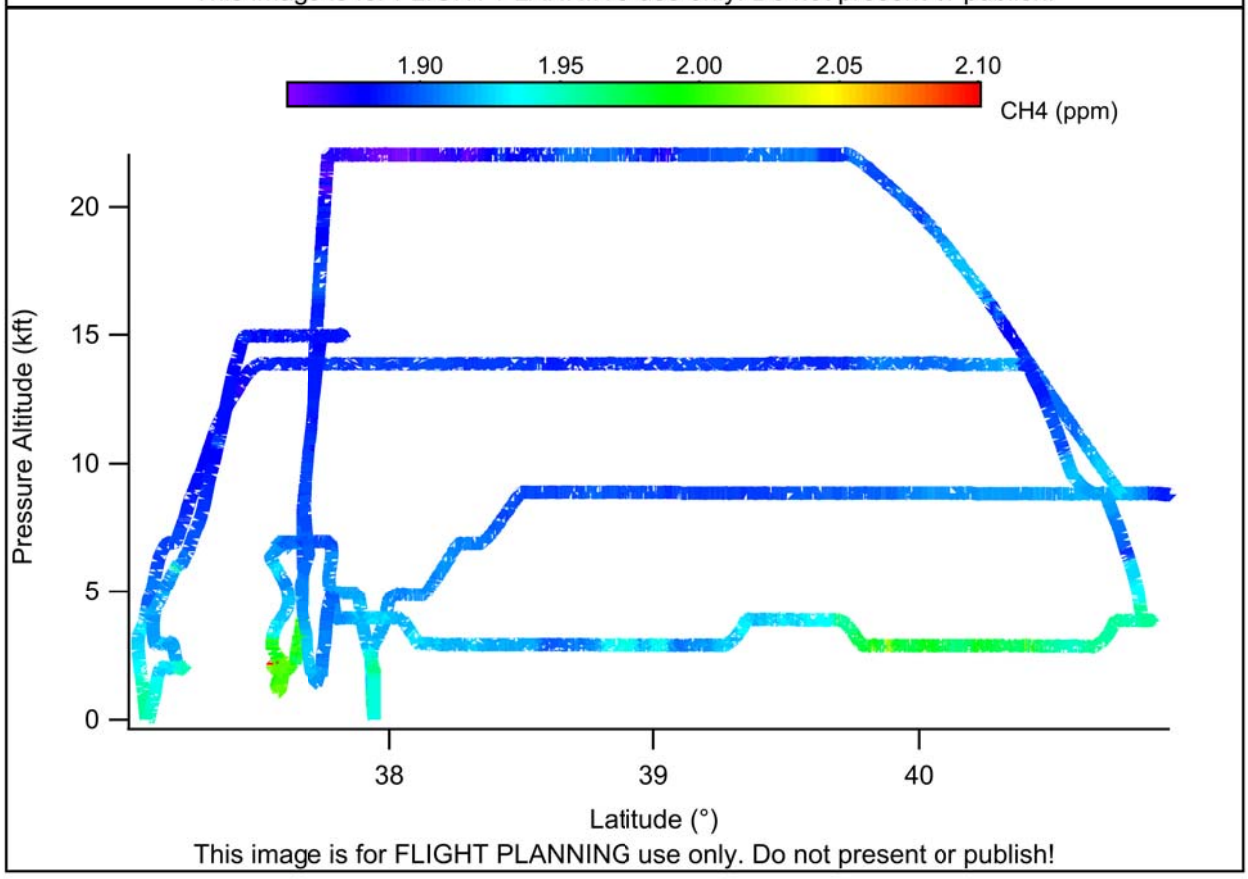
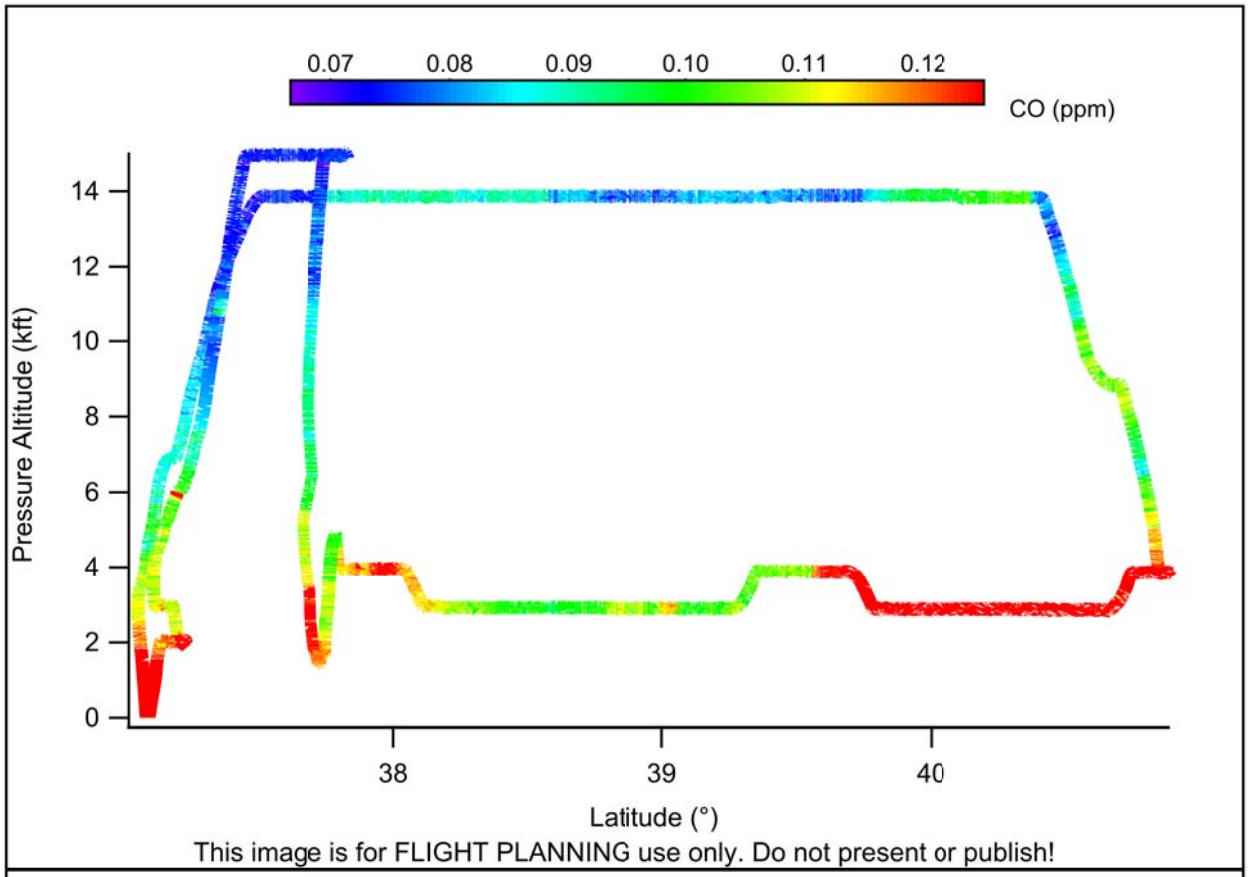
ACT-America 20171011


405
410
415
420
CO2 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
38
39
40
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)
20
15
10
5
0
38
39
40
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!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0.08
0.09
0.10
0.11
0.12
CO (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
38
39
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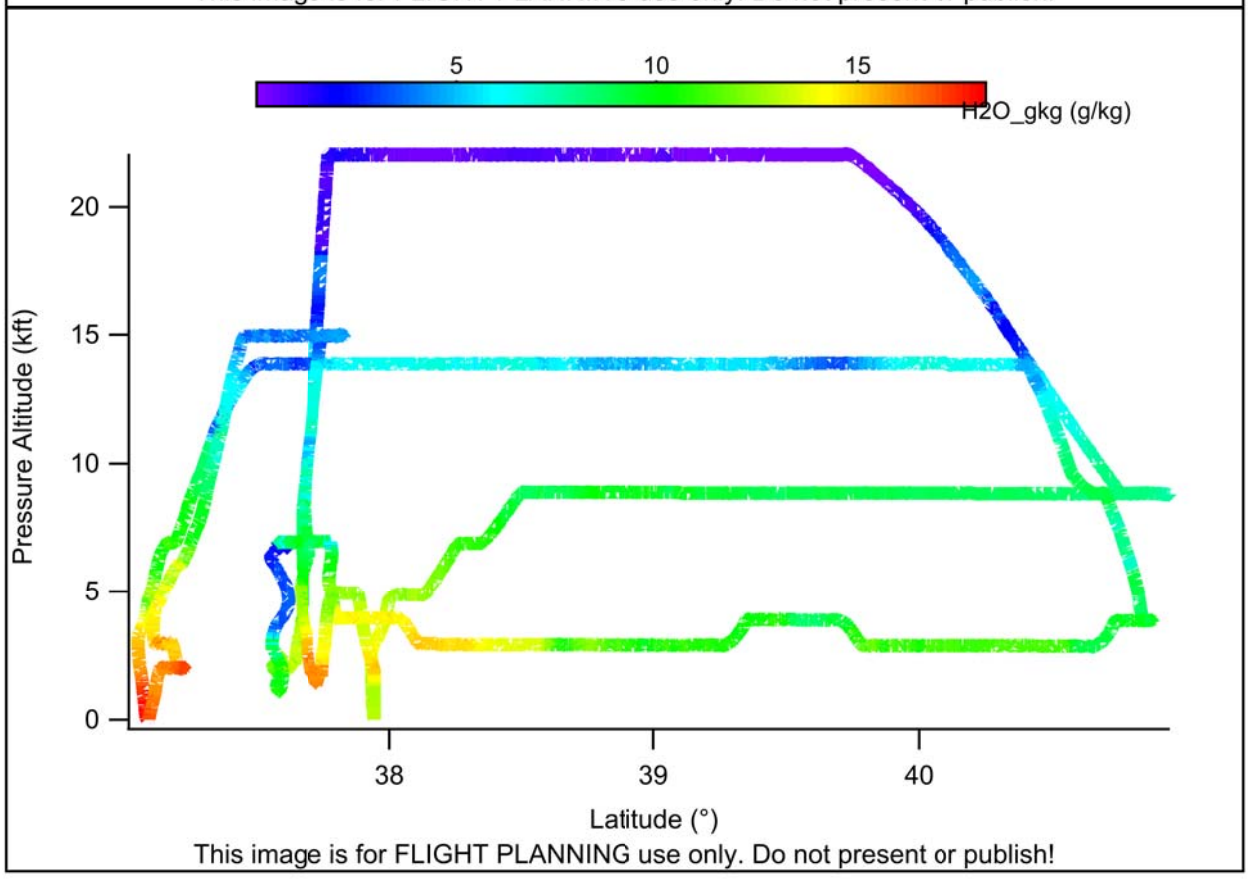
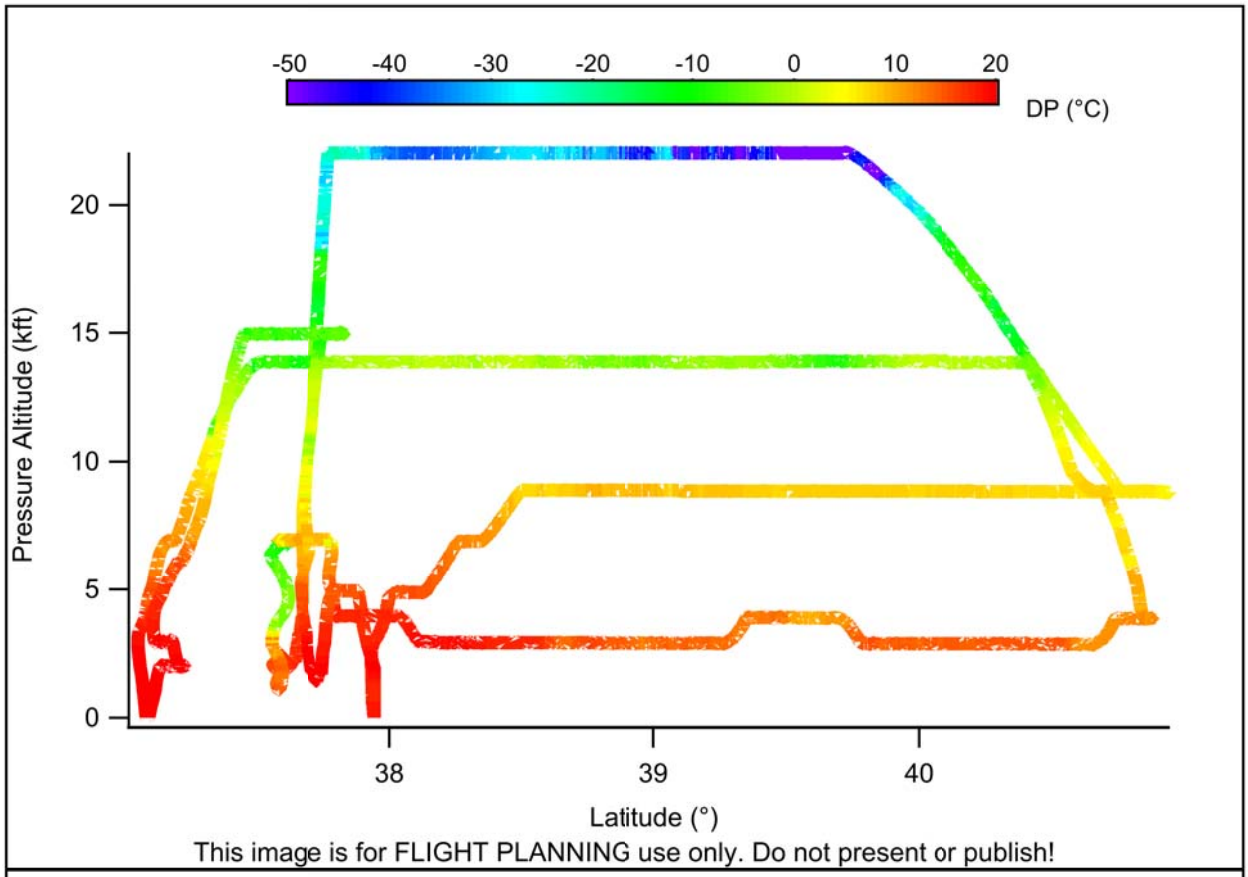
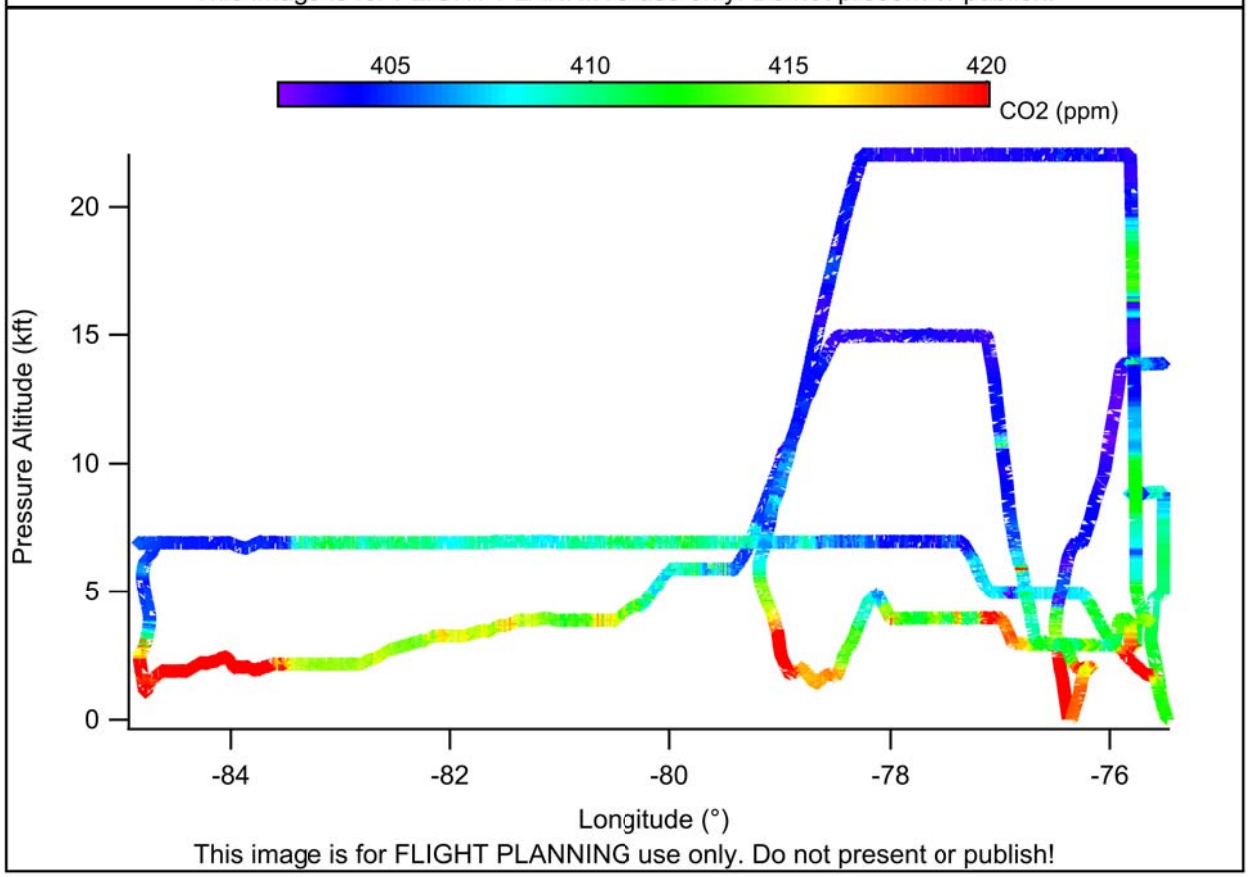
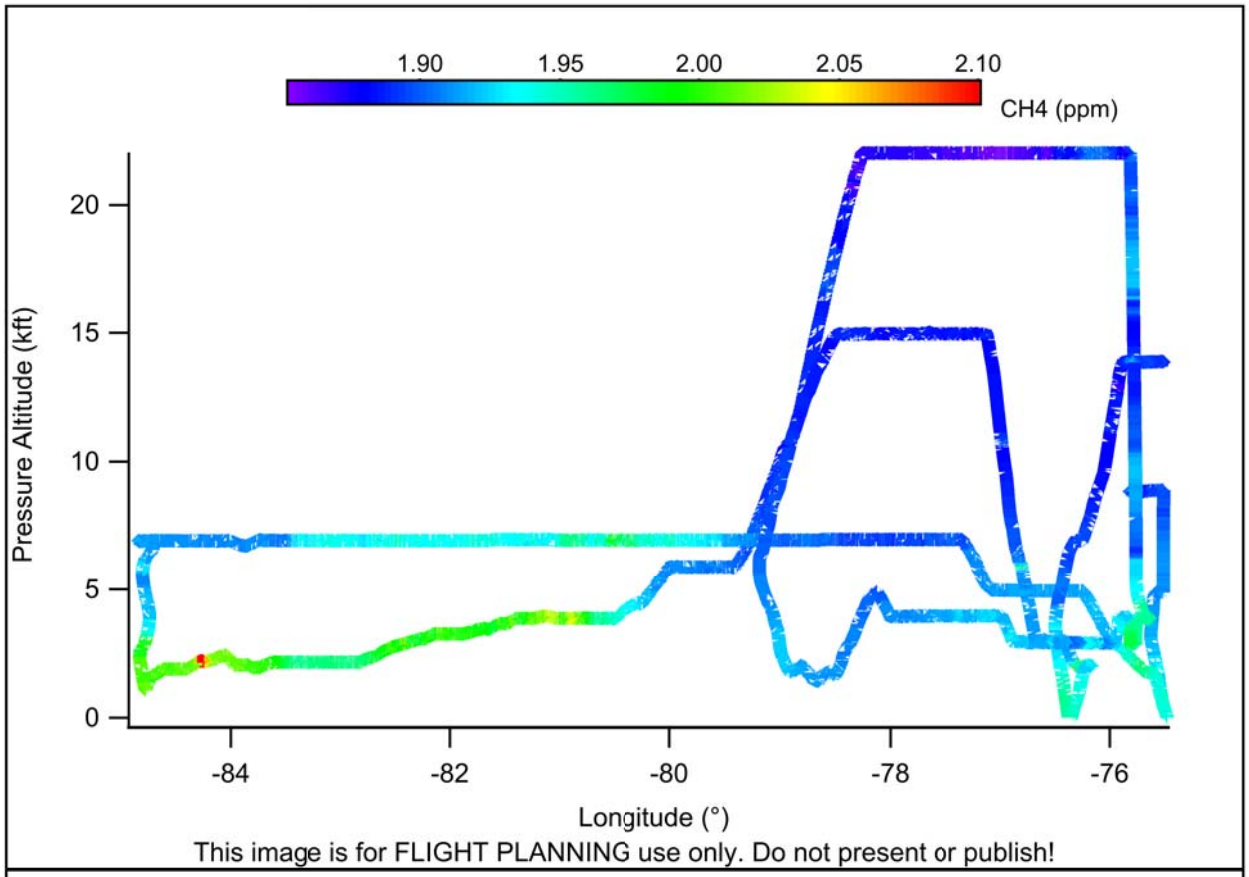
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


5
10
15
H2O_gkg (g/kg)
Pressure Altitude (kft)
0
5
10
15
20
38
39
40
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


-50
-40
-30
-20
-10
0
10
20
DP (°C)
Pressure Altitude (kft)
20
15
10
5
0
38
39
40
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


405
410
415
420
CO2 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
-84
-82
-80
-78
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!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1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
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Longitude (°)
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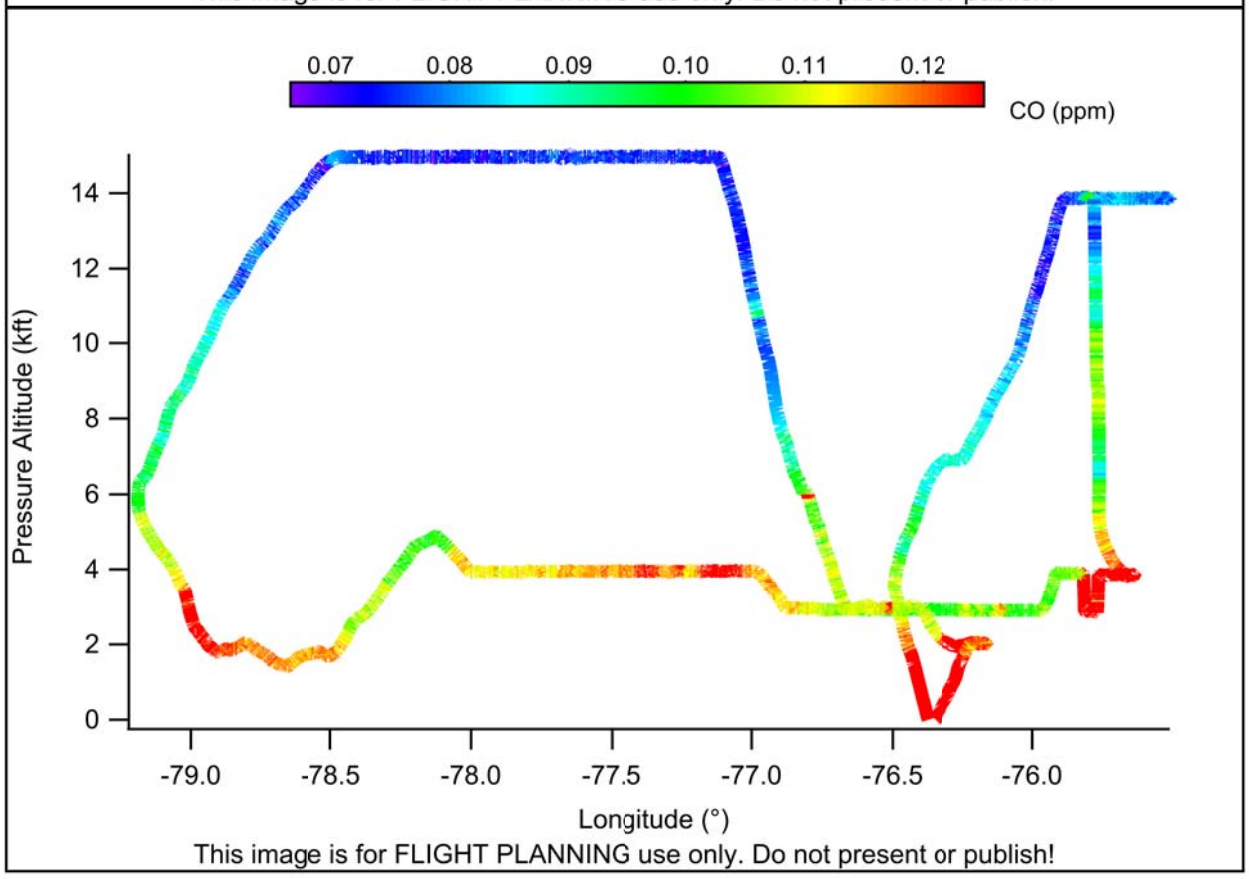
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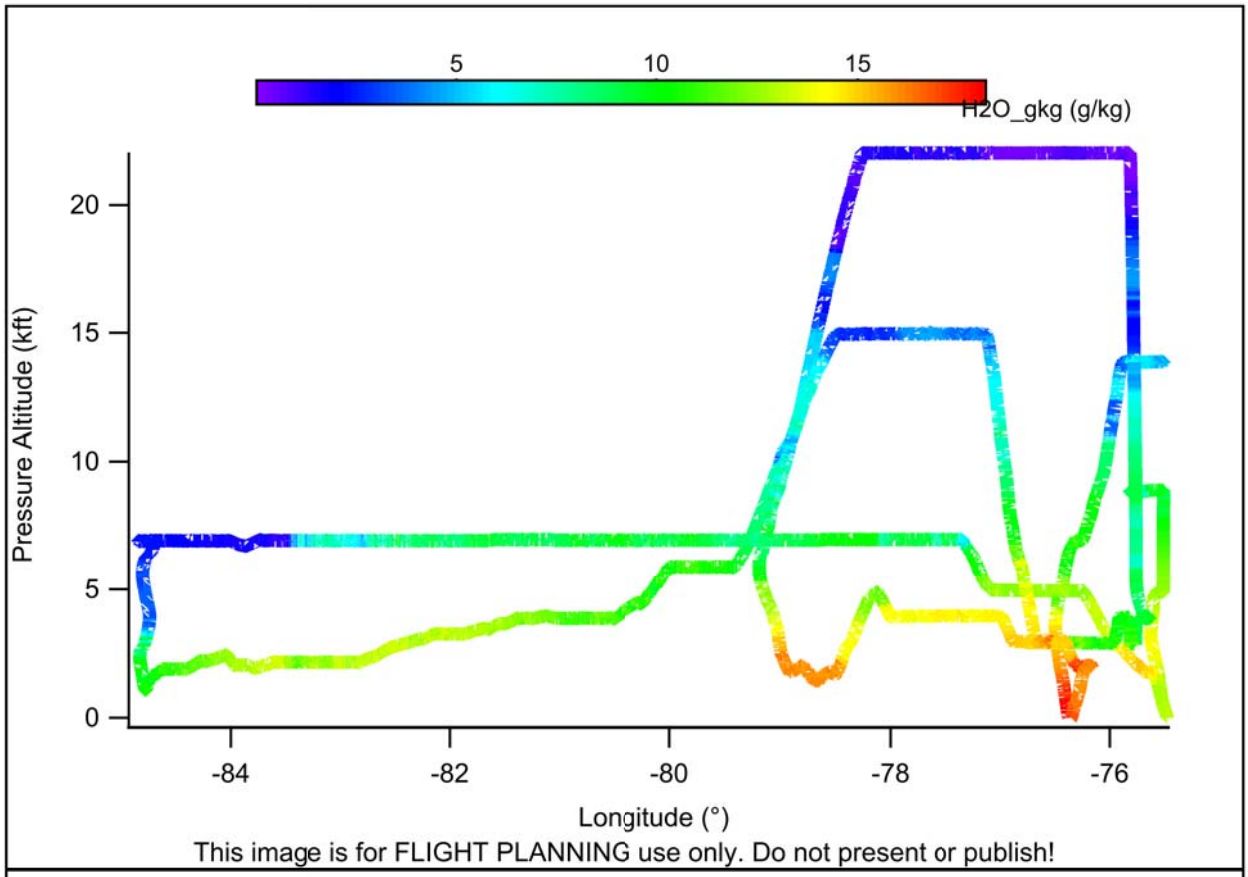
0.08
0.09
0.10
0.11
0.12
CO (ppm)
Pressure Altitude (kft)
14
12
10
8
6
4
2
0
-79.0
-78.5
-78.0
-77.5
-77.0
-76.5
-76.0
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


5
10
15
H2O_gkg (g/kg)
Pressure Altitude (kft)
20
15
10
5
0
-84
-82
-80
-78
-76
Longitude (°)
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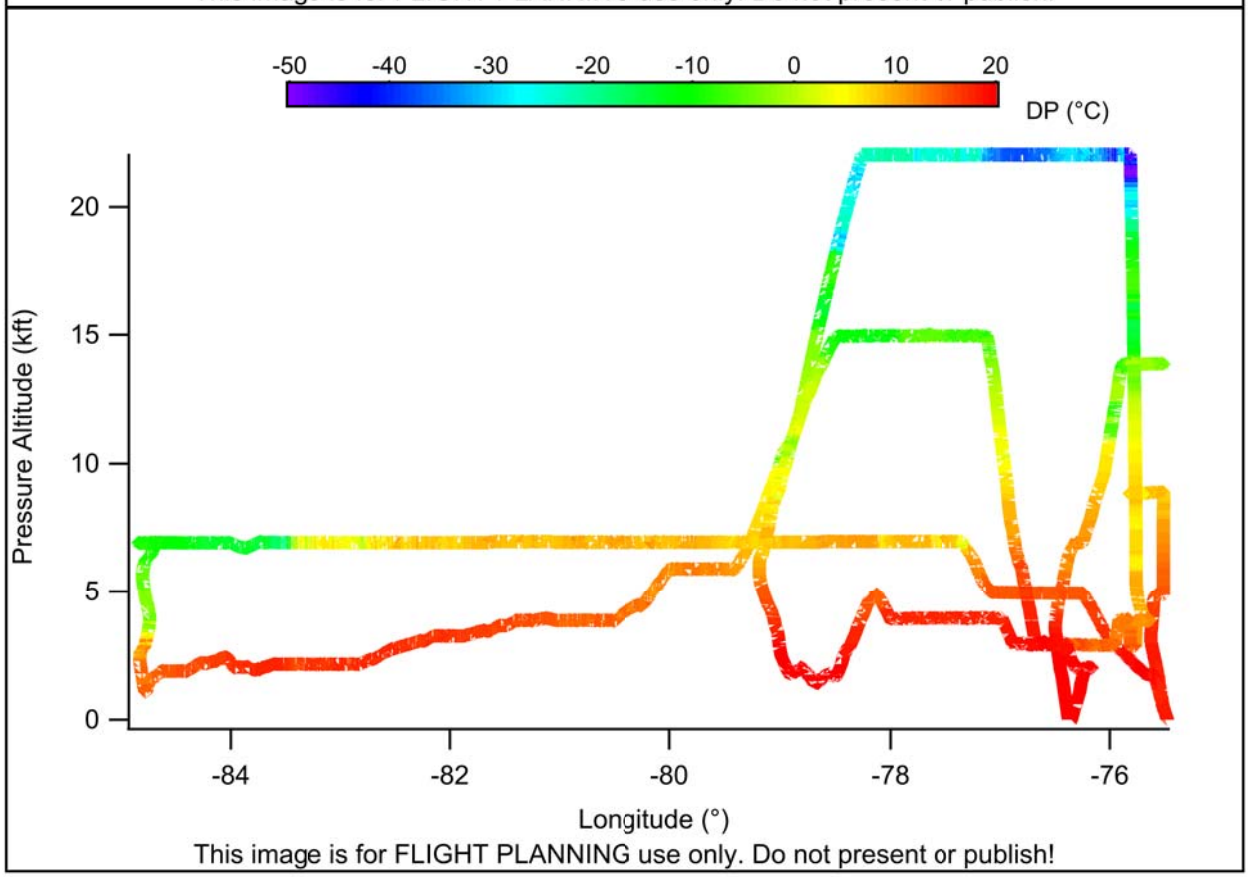
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-40
-30
-20
-10
0
10
20
DP (°C)
Pressure Altitude (kft)
20
15
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0
-84
-82
-80
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-76
Longitude (°)
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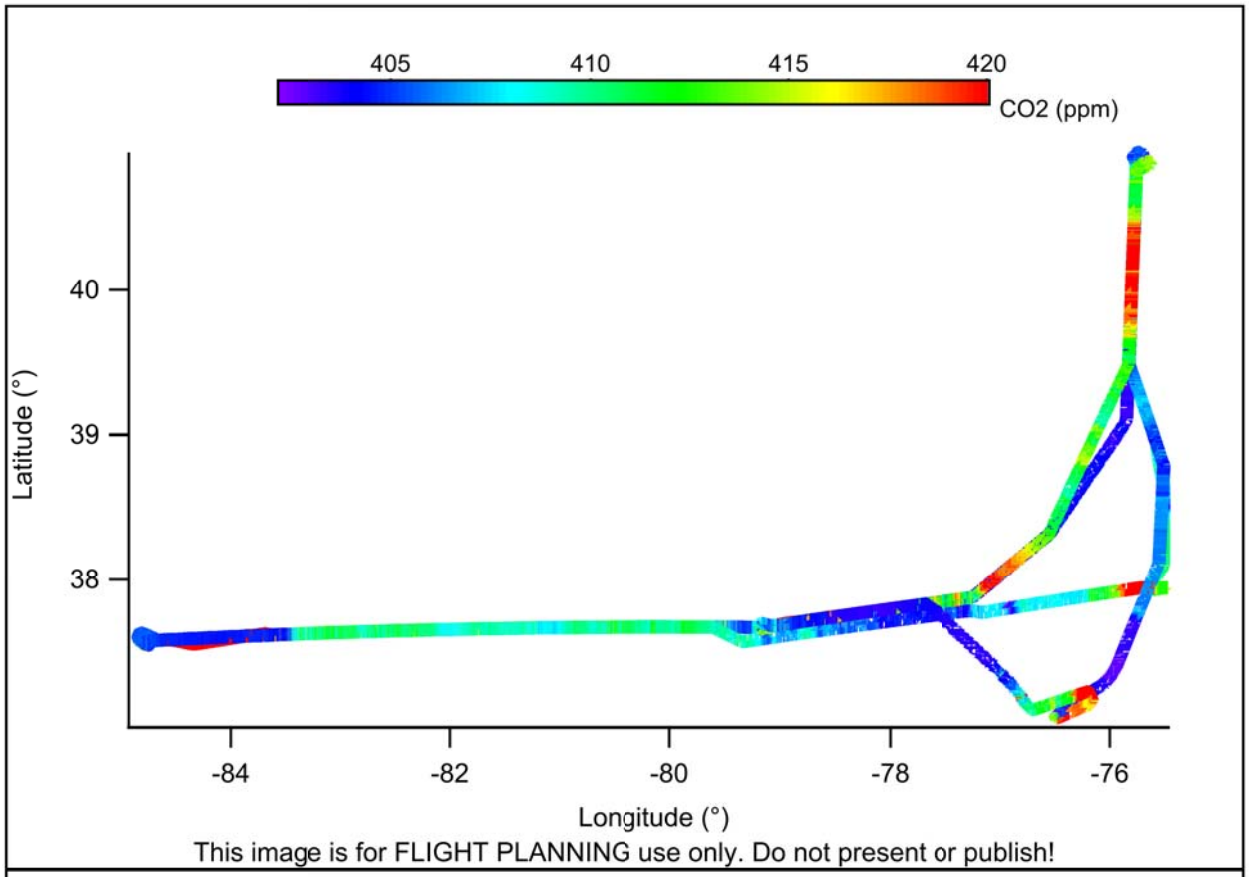
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410
415
420
CO2 (ppm)
40
39
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Latitude (°)
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-82
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Longitude (°)
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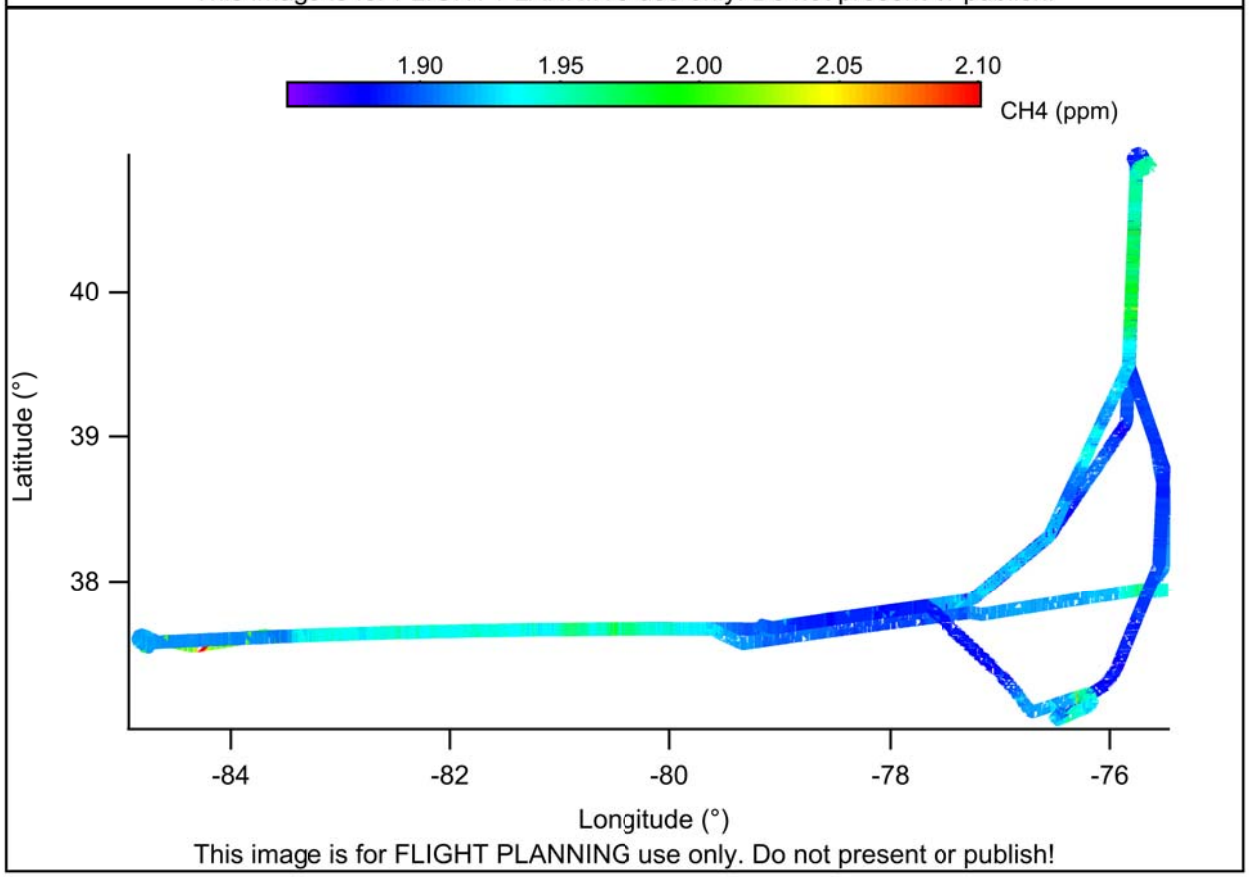
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1.95
2.00
2.05
2.10
CH4 (ppm)
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39
38
Latitude (°)
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-82
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-78
-76
Longitude (°)
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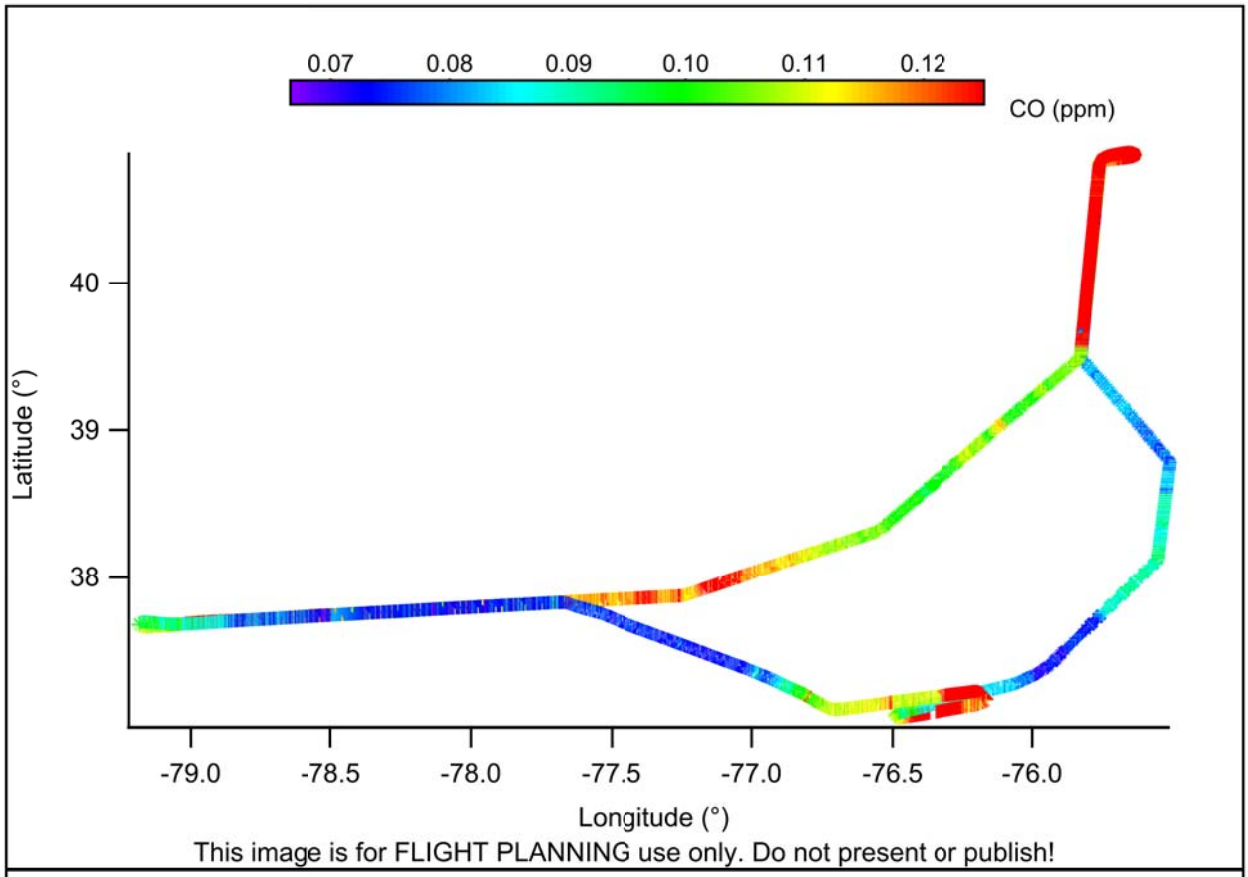
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0.08
0.09
0.10
0.11
0.12
CO (ppm)
40
39
38
Latitude (°)
-79.0
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-77.0
-76.5
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Longitude (°)
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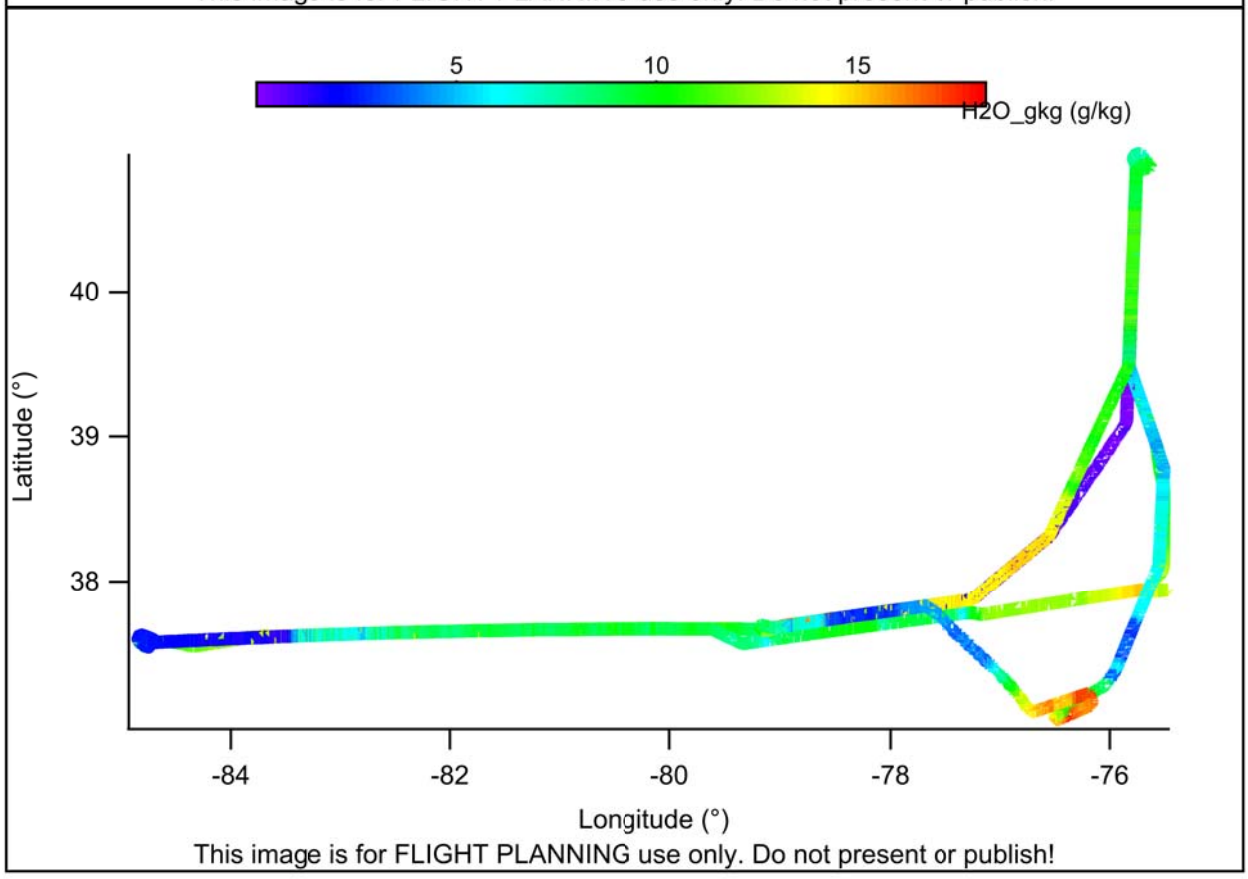
5
10
15
H2O_gkg (g/kg)
40
39
38
Latitude (°)
-84
-82
-80
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-76
Longitude (°)
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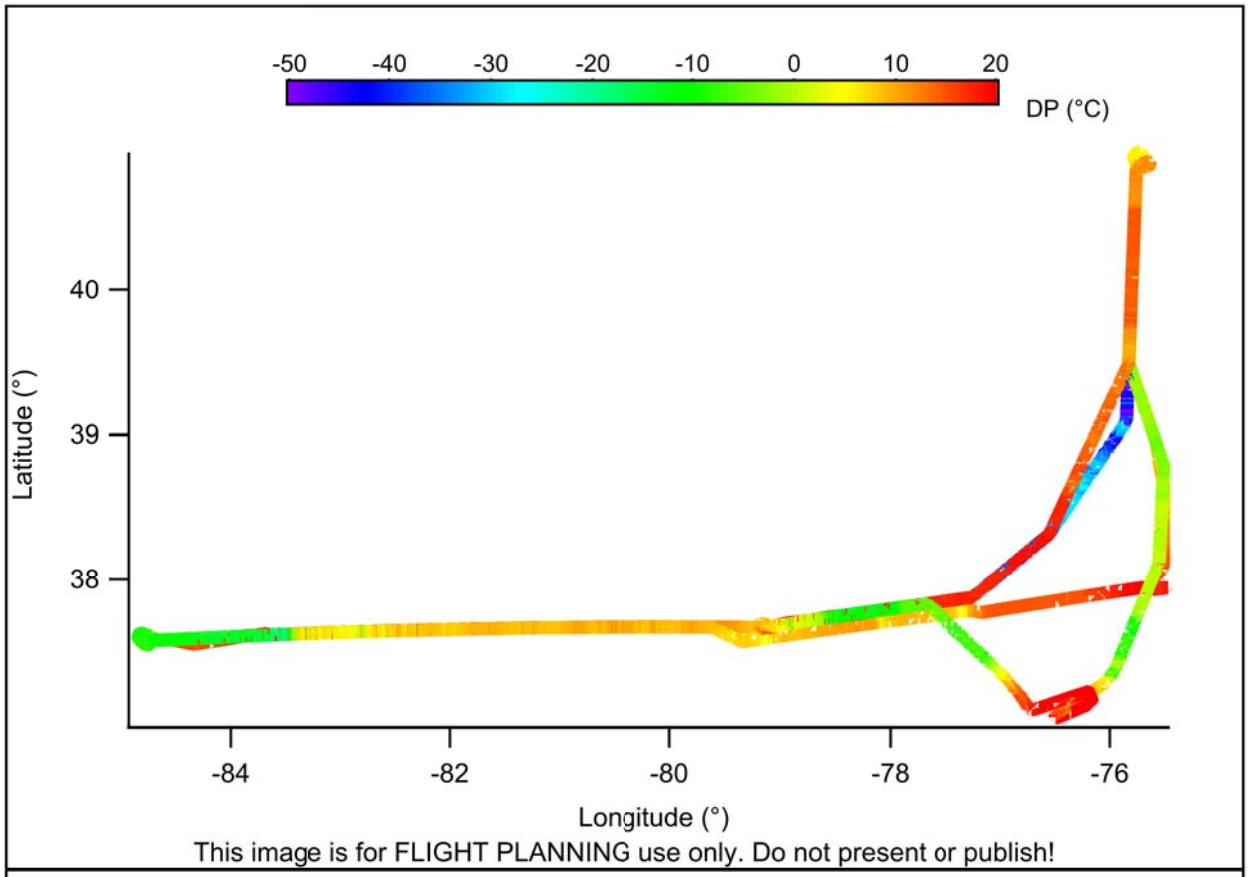
-50
-40
-30
-20
-10
0
10
20
DP (°C)
40
39
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Latitude (°)
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Longitude (°)
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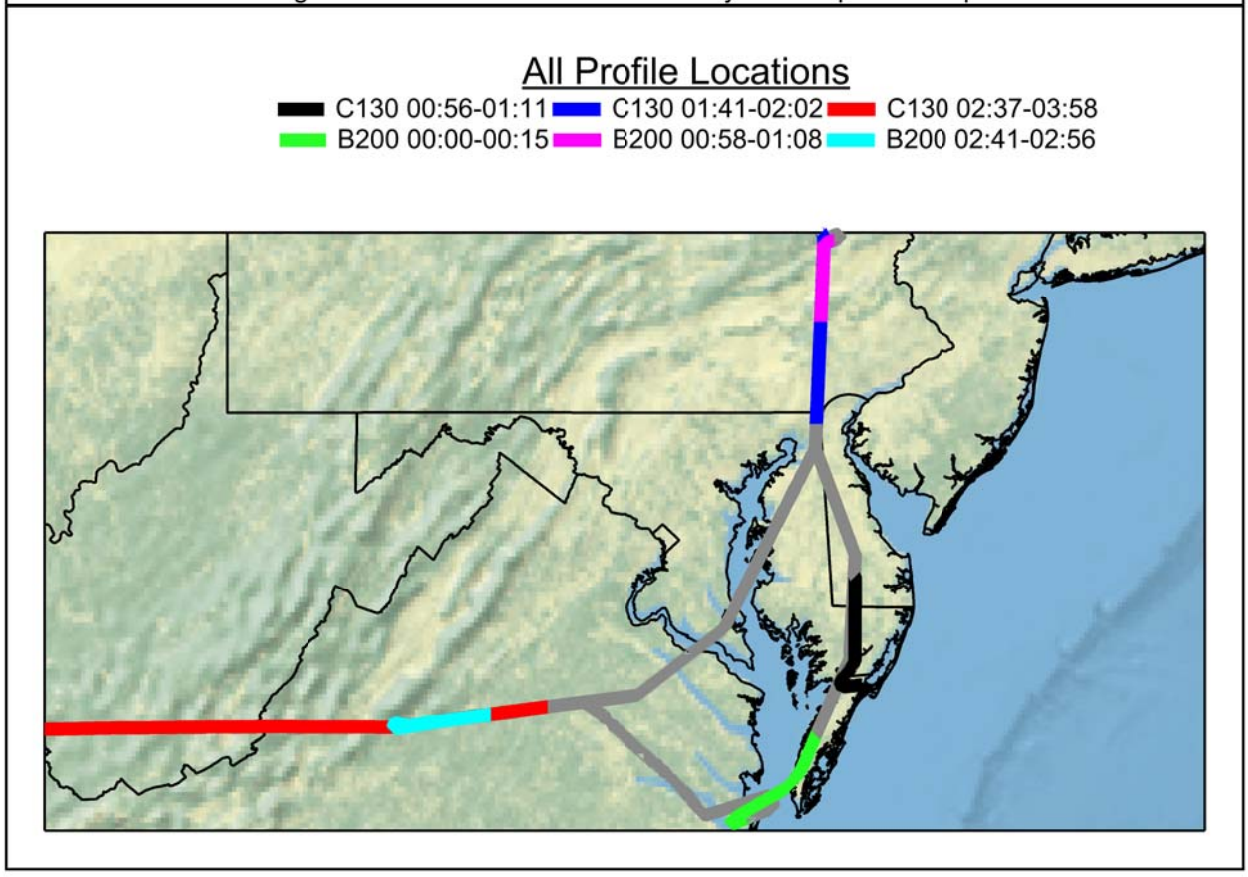
All Profile Locations
C130 00:56-01:11
C130 01:41-02:02
C130 02:37-03:58
B200 00:00-00:15
B200 00:58-01:08
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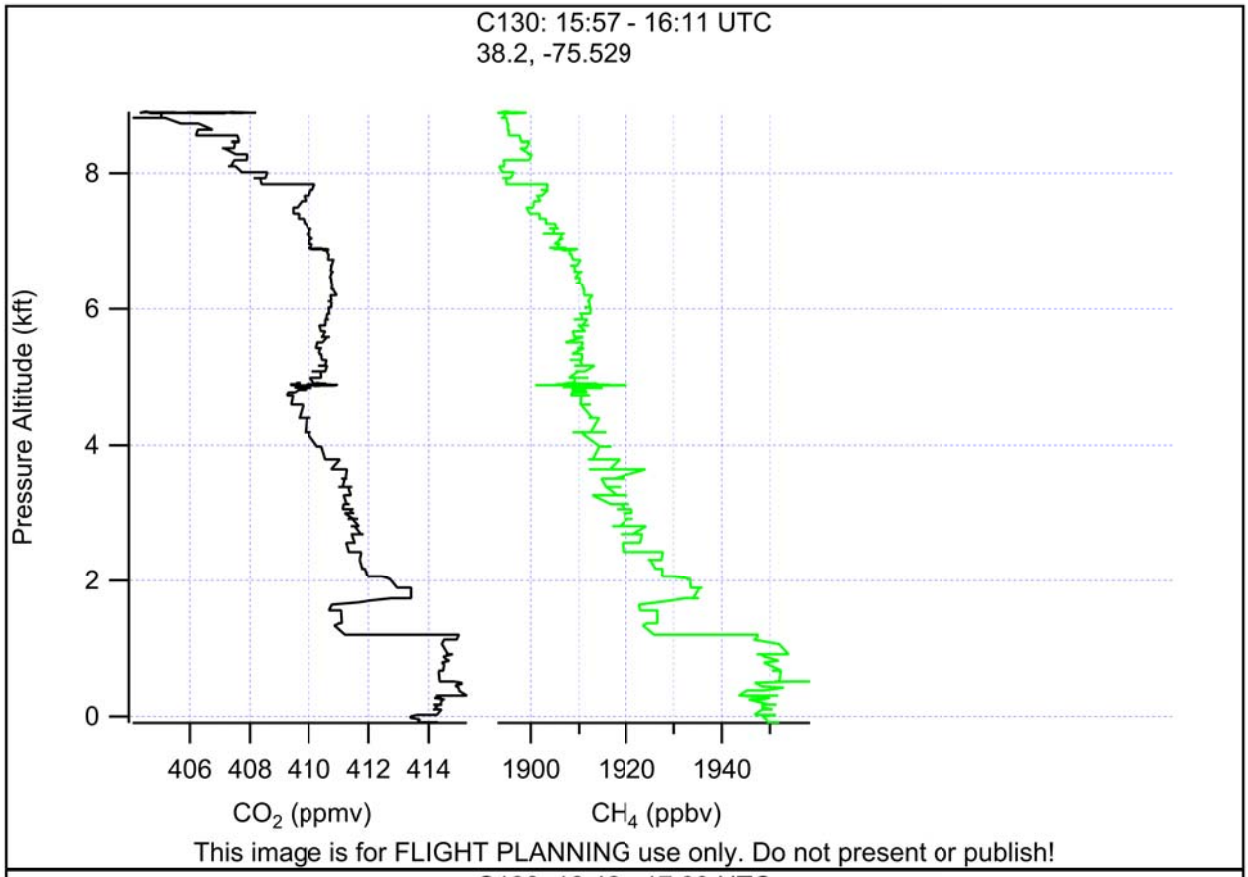
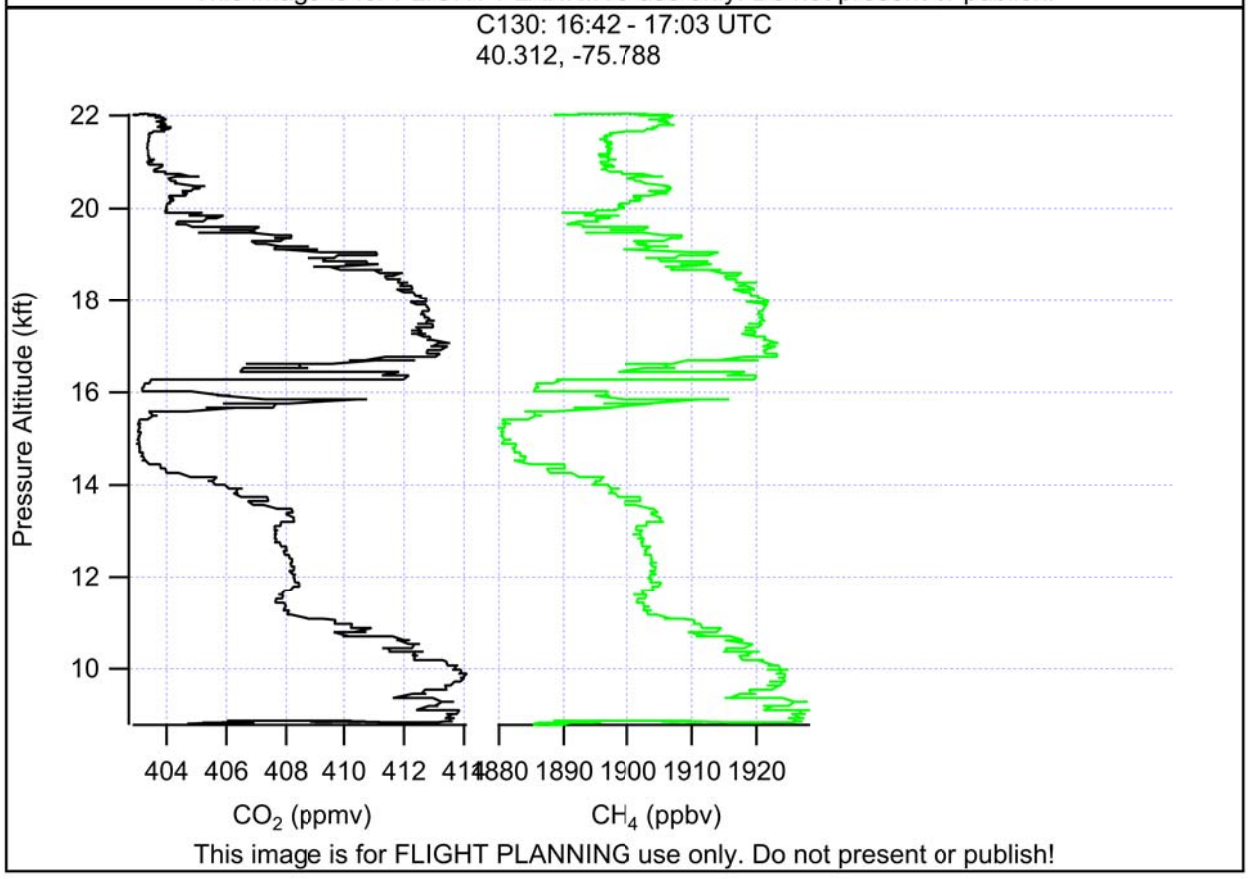

C130: 15:57 - 16:11 UTC
38.2, -75.529
Pressure Altitude (kft)
0
2
4
6
8
406 408 410 412 414
CO2 (ppmv)
1900 1920 1940
CH4 (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 16:42 - 17:03 UTC
40.312, -75.788
Pressure Altitude (kft)
10
12
14
16
18
20
22
404 406 408 410 412 414
CO2 (ppmv)
1880 1890 1900 1910 1920
CH4 (ppbv)
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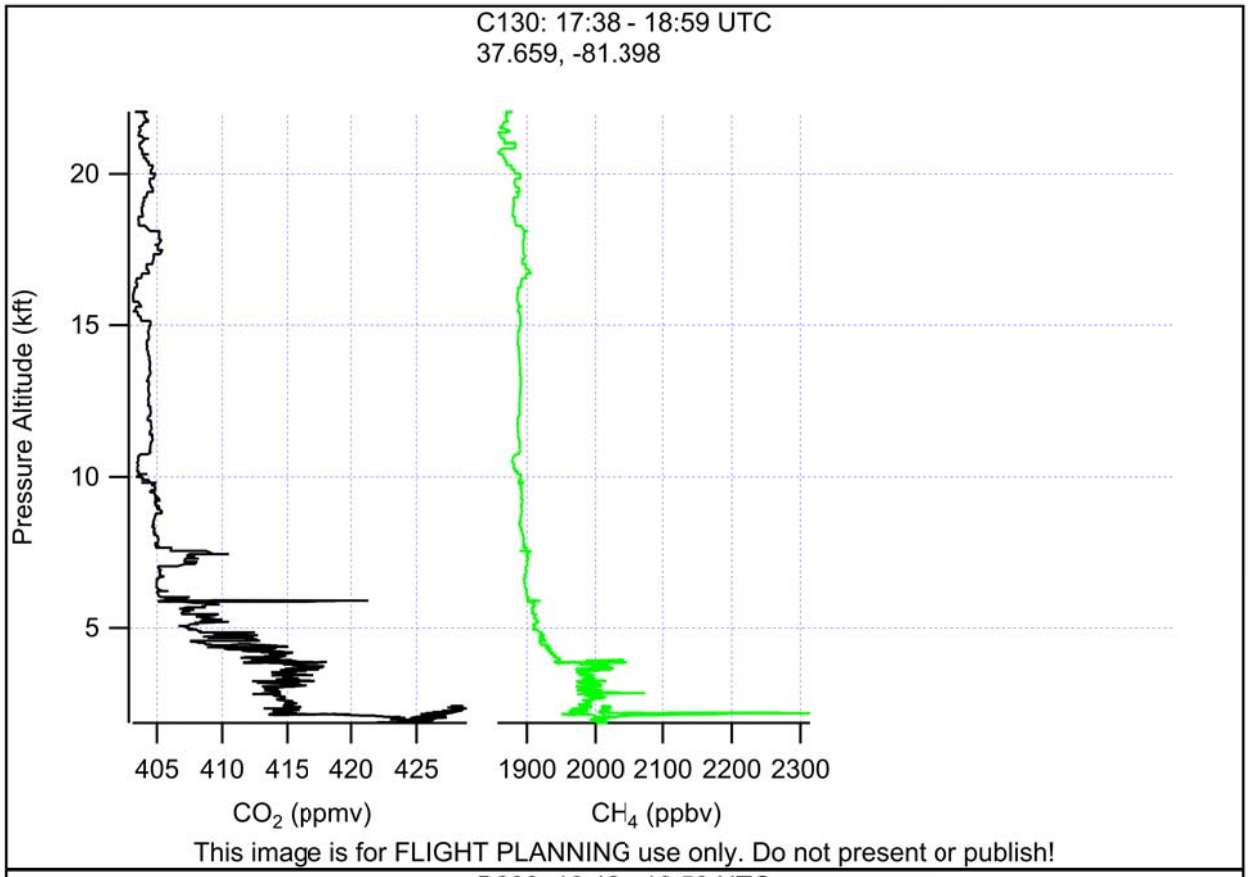
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37.659, -81.398
Pressure Altitude (kft)
20
15
10
5
405 410 415 420 425
CO2 (ppmv)
1900 2000 2100 2200 2300
CH4 (ppbv)
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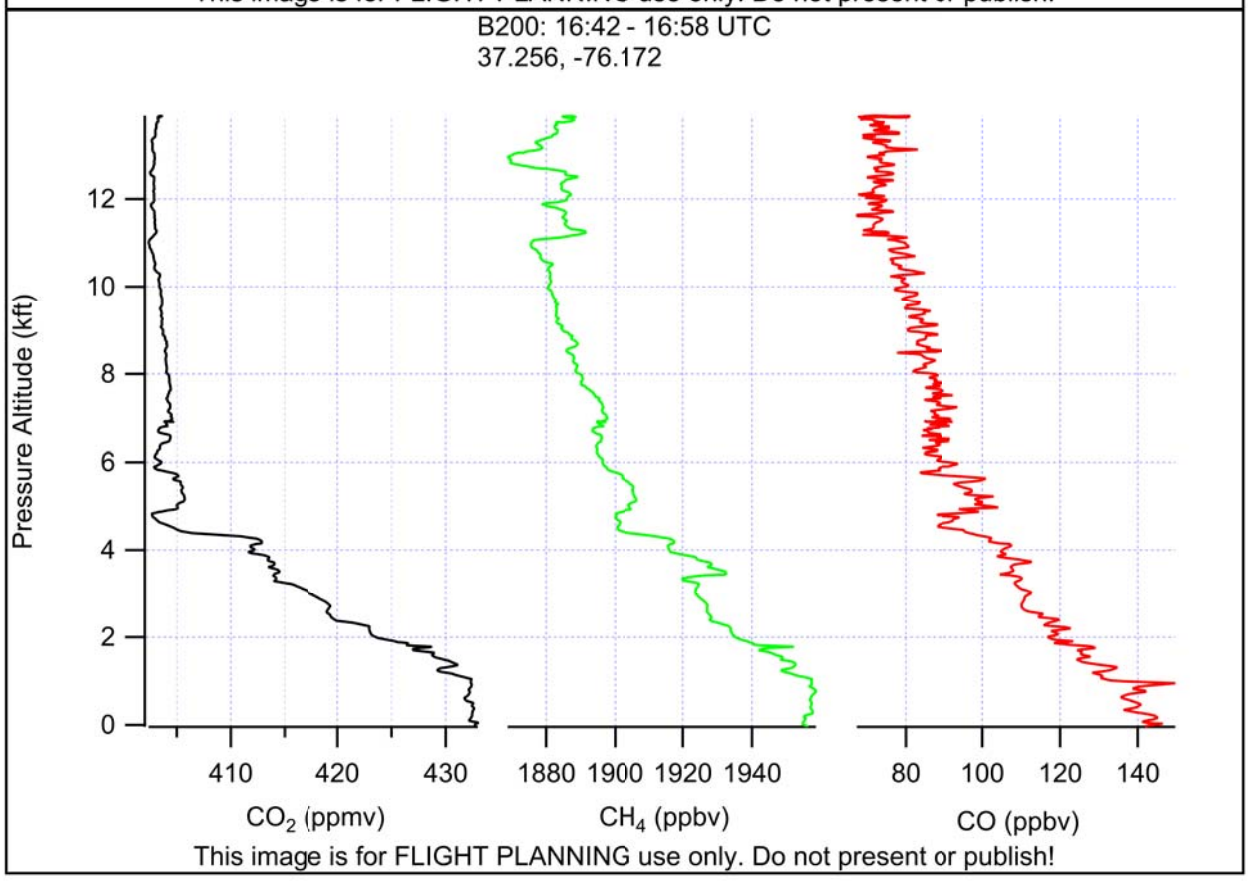
B200: 16:42 - 16:58 UTC
37.256, -76.172
Pressure Altitude (kft)
12
10
8
6
4
2
0
410 420 430
CO2 (ppmv)
1880 1900 1920 1940
CH4 (ppbv)
80 100 120 140
CO (ppbv)
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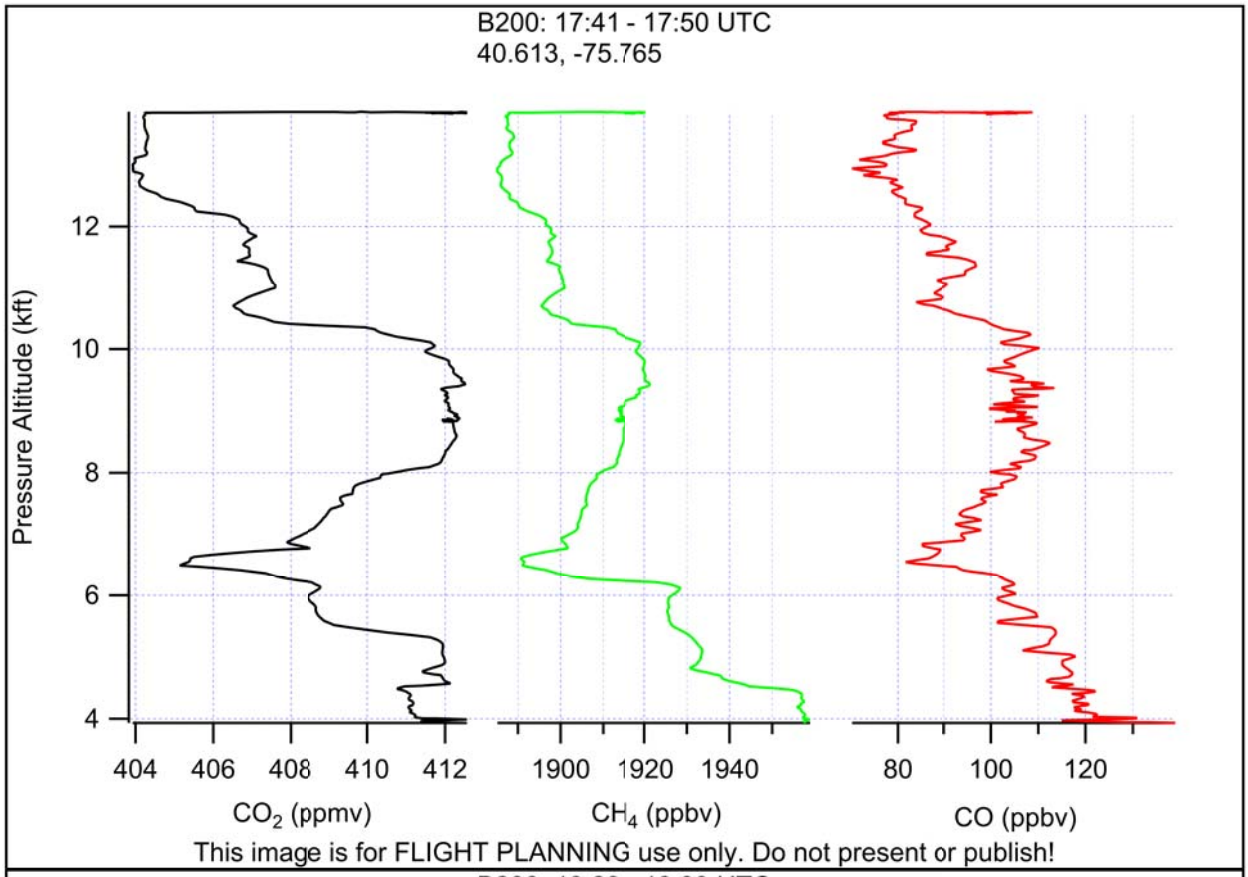
B200: 17:41 - 17:50 UTC
40.613, -75.765
Pressure Altitude (kft)
12
10
8
6
4
404 406 408 410 412
CO_2 (ppmv)
1900 1920 1940
CH_4 (ppbv)
80 100 120
CO (ppbv)
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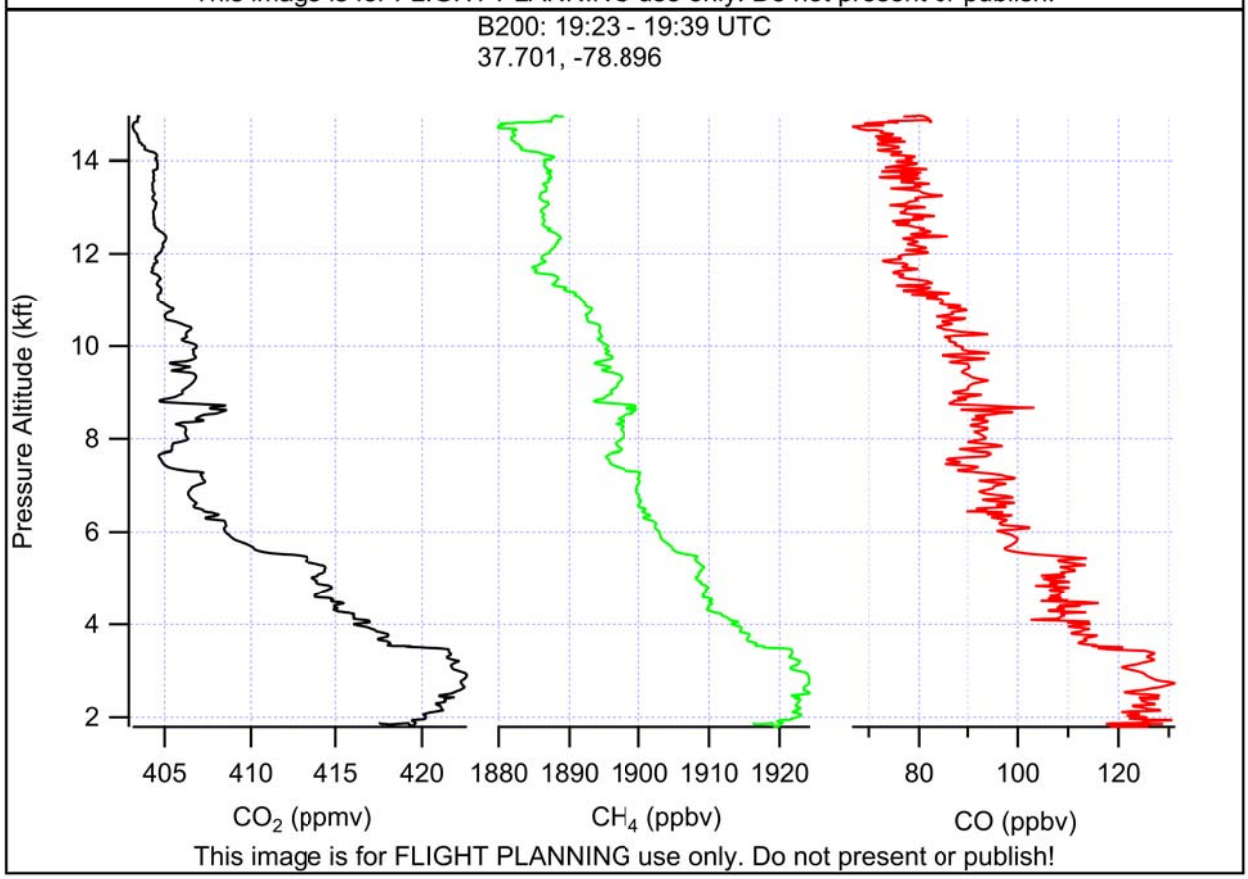
B200: 19:23 - 19:39 UTC
37.701, -78.896
Pressure Altitude (kft)
14
12
10
8
6
4
2
405 410 415 420
CO_2 (ppmv)
1880 1890 1900 1910 1920
CH_4 (ppbv)
80 100 120
CO (ppbv)
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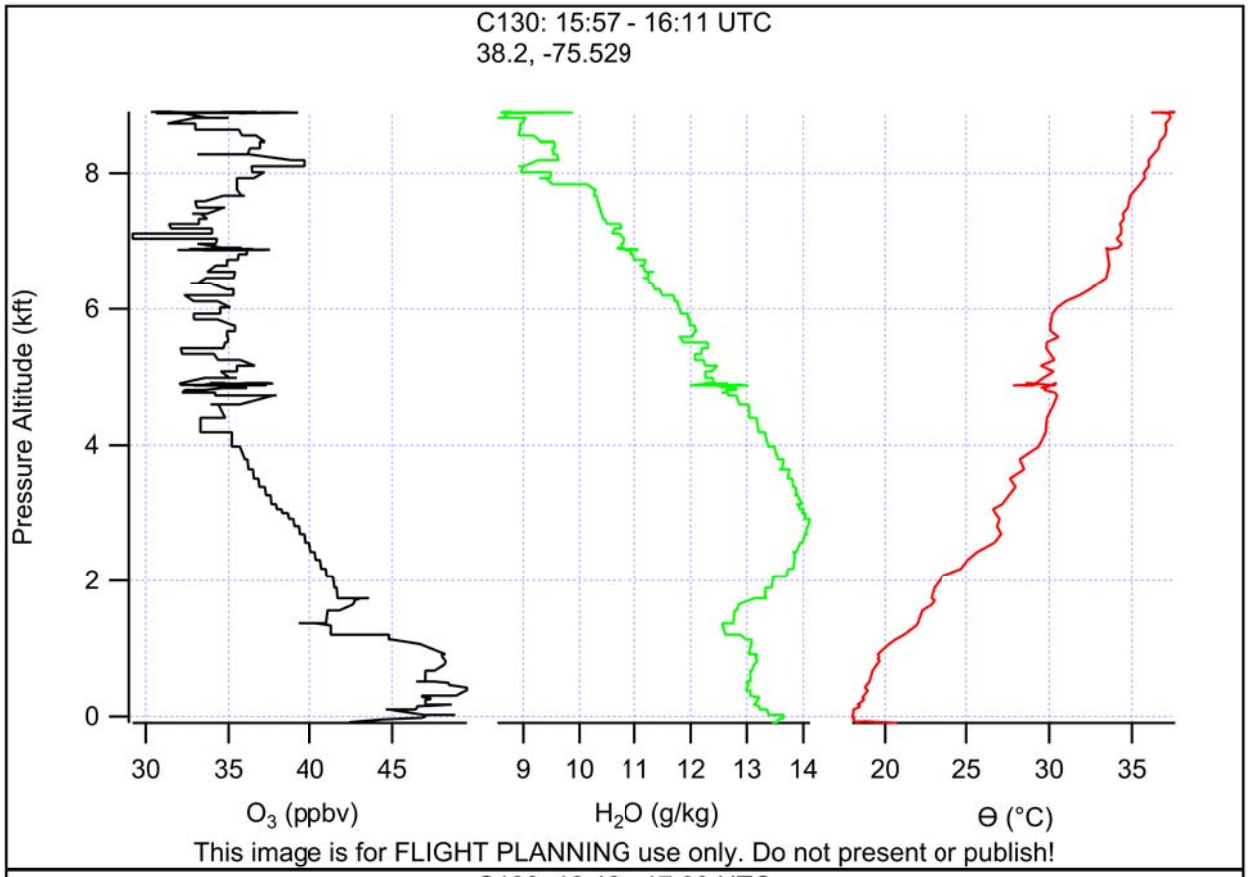
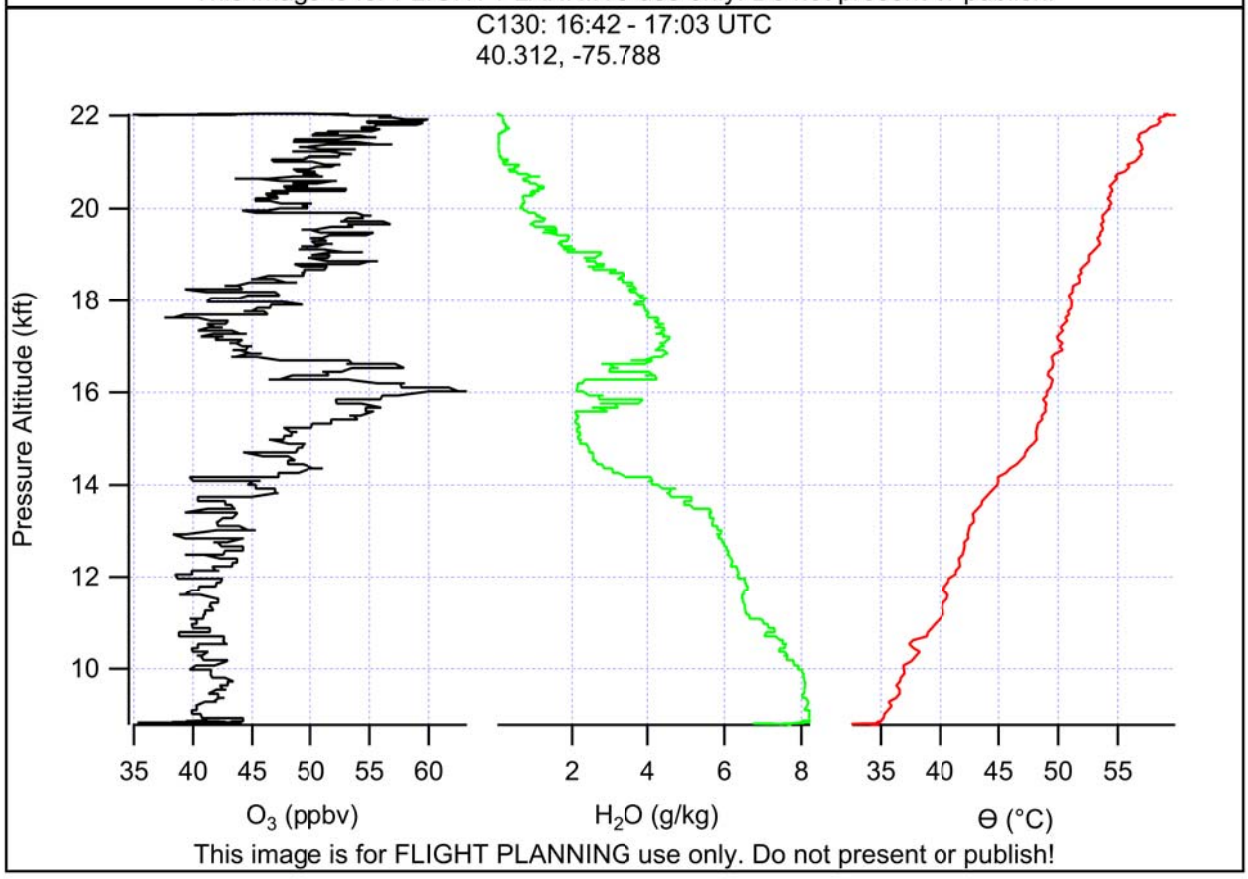
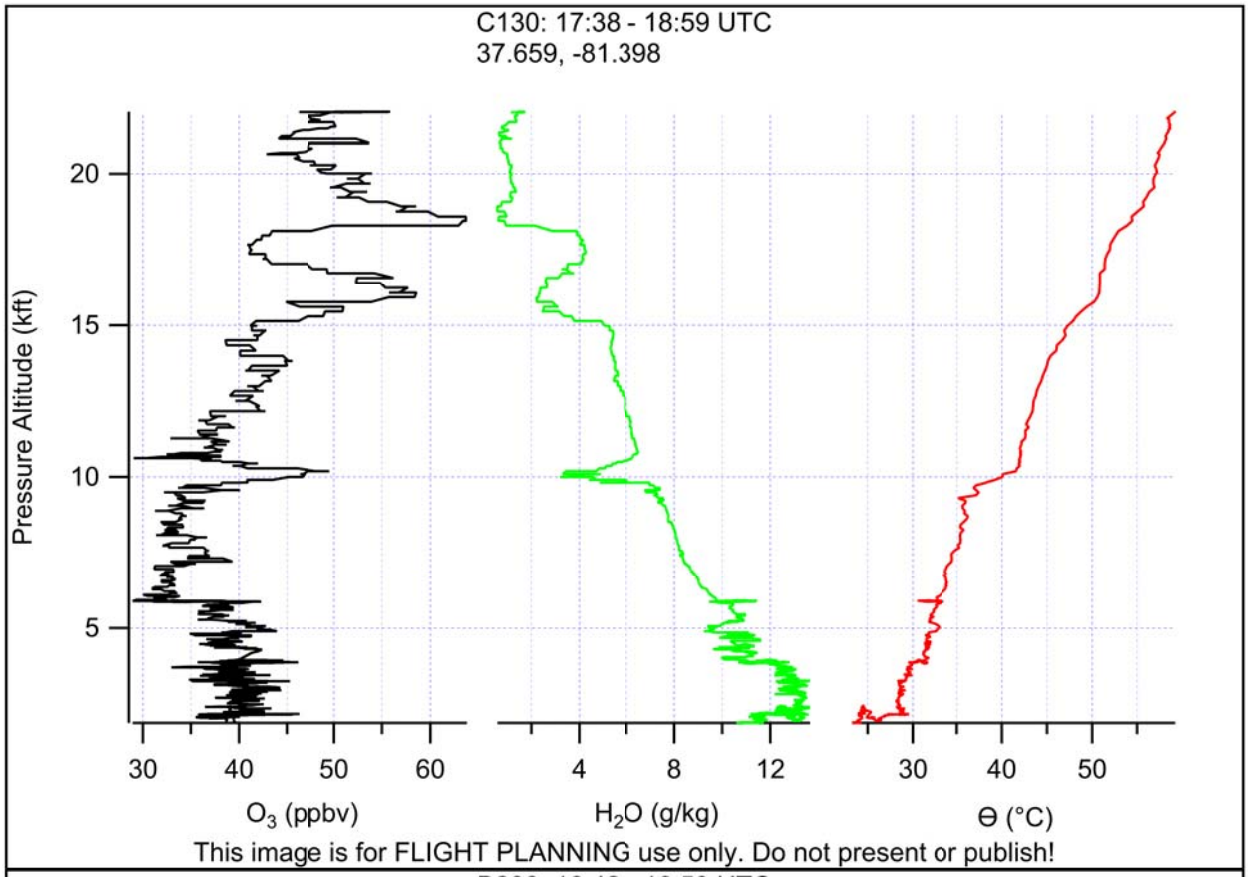
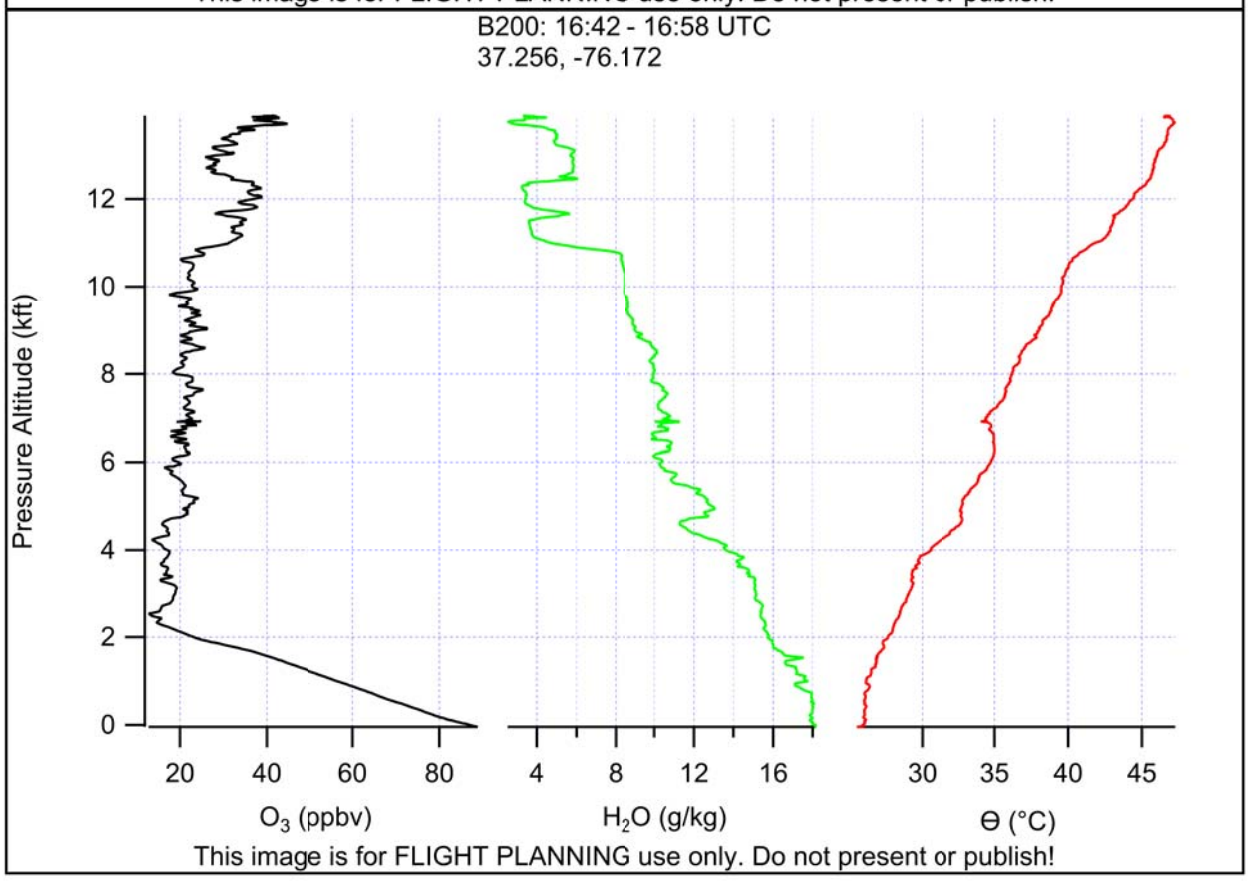
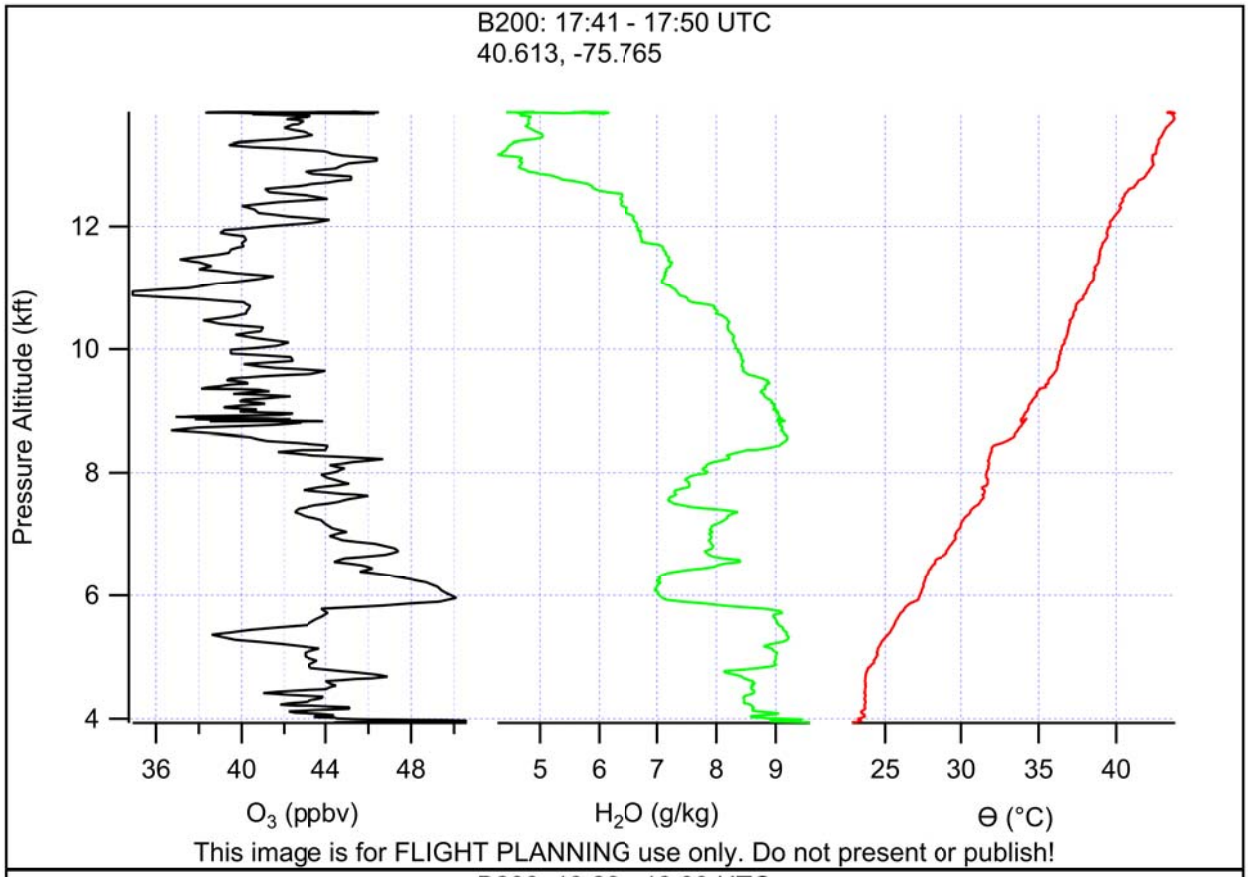

C130: 15:57 - 16:11 UTC
38.2, -75.529
Pressure Altitude (kft)
0
2
4
6
8
30 35 40 45
O3 (ppbv)
9 10 11 12 13 14
H2O (g/kg)
20 25 30 35
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 16:42 - 17:03 UTC
40.312, -75.788
Pressure Altitude (kft)
10
12
14
16
18
20
22
35 40 45 50 55 60
O3 (ppbv)
2 4 6 8
H2O (g/kg)
35 40 45 50 55
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 17:38 - 18:59 UTC
37.659, -81.398
Pressure Altitude (kft)
20
15
10
5
30
40
50
60
O_3 (ppbv)
4
8
12
H_2O (g/kg)
30
40
50
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 16:42 - 16:58 UTC
37.256, -76.172
Pressure Altitude (kft)
12
10
8
6
4
2
0
20
40
60
80
O_3 (ppbv)
4
8
12
16
H_2O (g/kg)
30
35
40
45
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!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40.613, -75.765
Pressure Altitude (kft)
12
10
8
6
4
36
40
44
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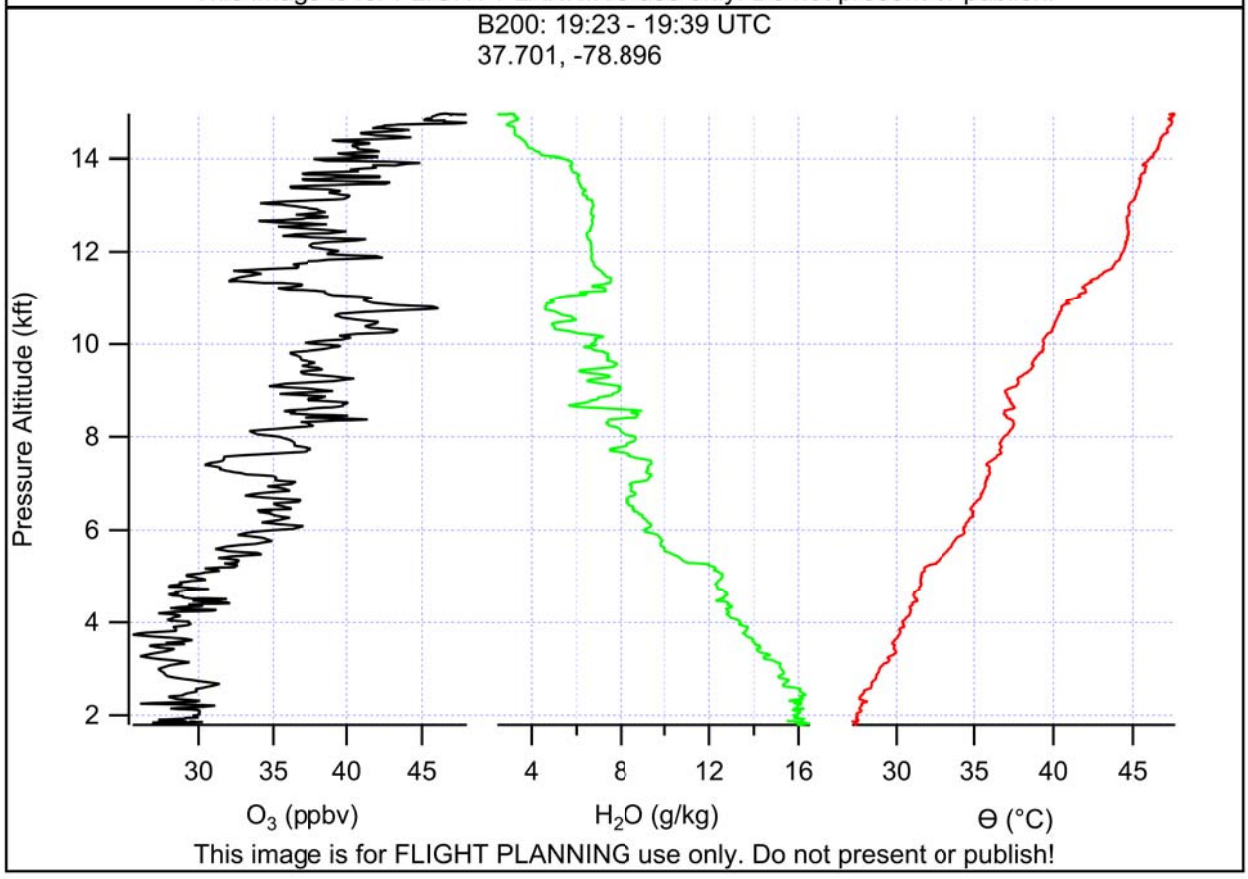
5
6
7
8
9
25
30
35
40
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 19:23 - 19:39 UTC
37.701, -78.896
Pressure Altitude (kft)
14
12
10
8
6
4
2
30
35
40
45
4
8
12
16
30
35
40
45
O3 (ppbv)
H2O (g/kg)
Θ (°C)
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