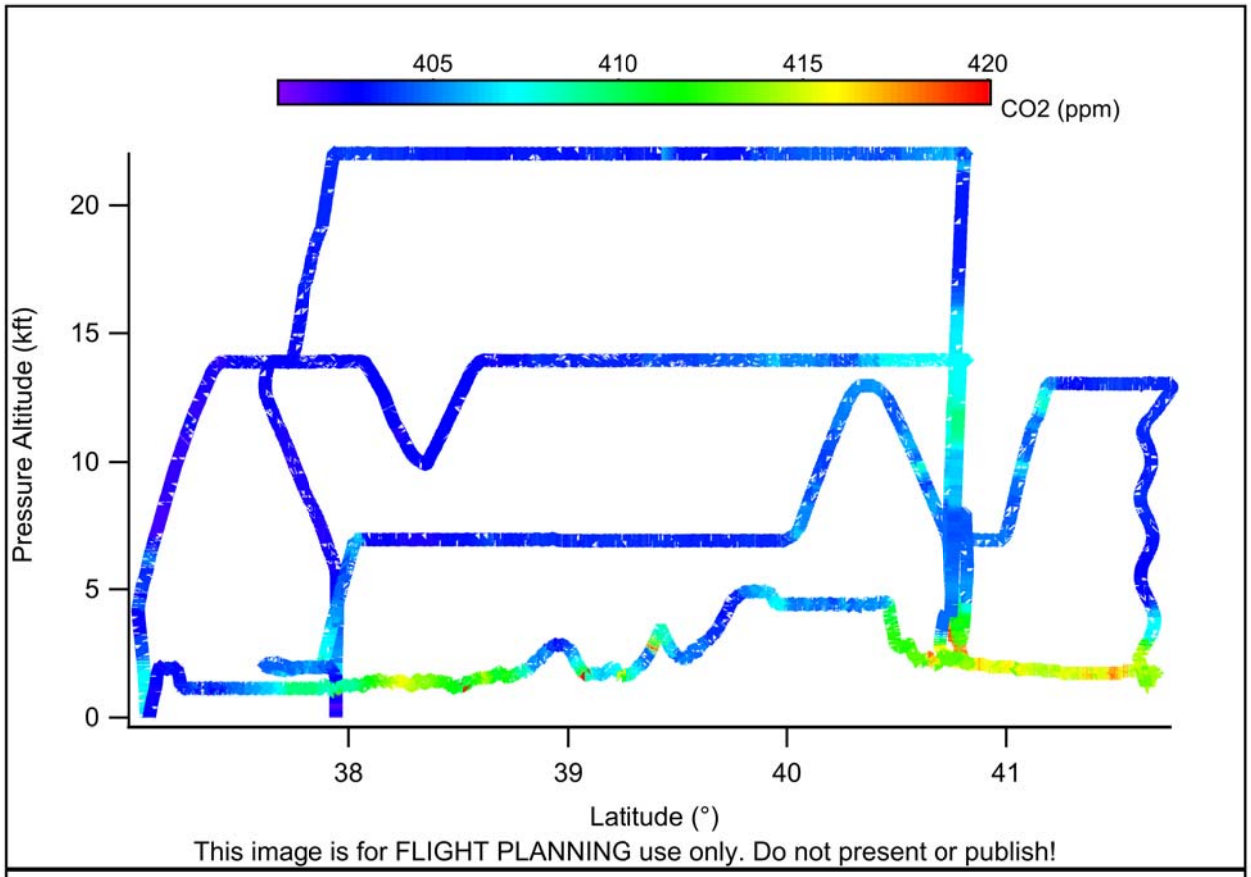
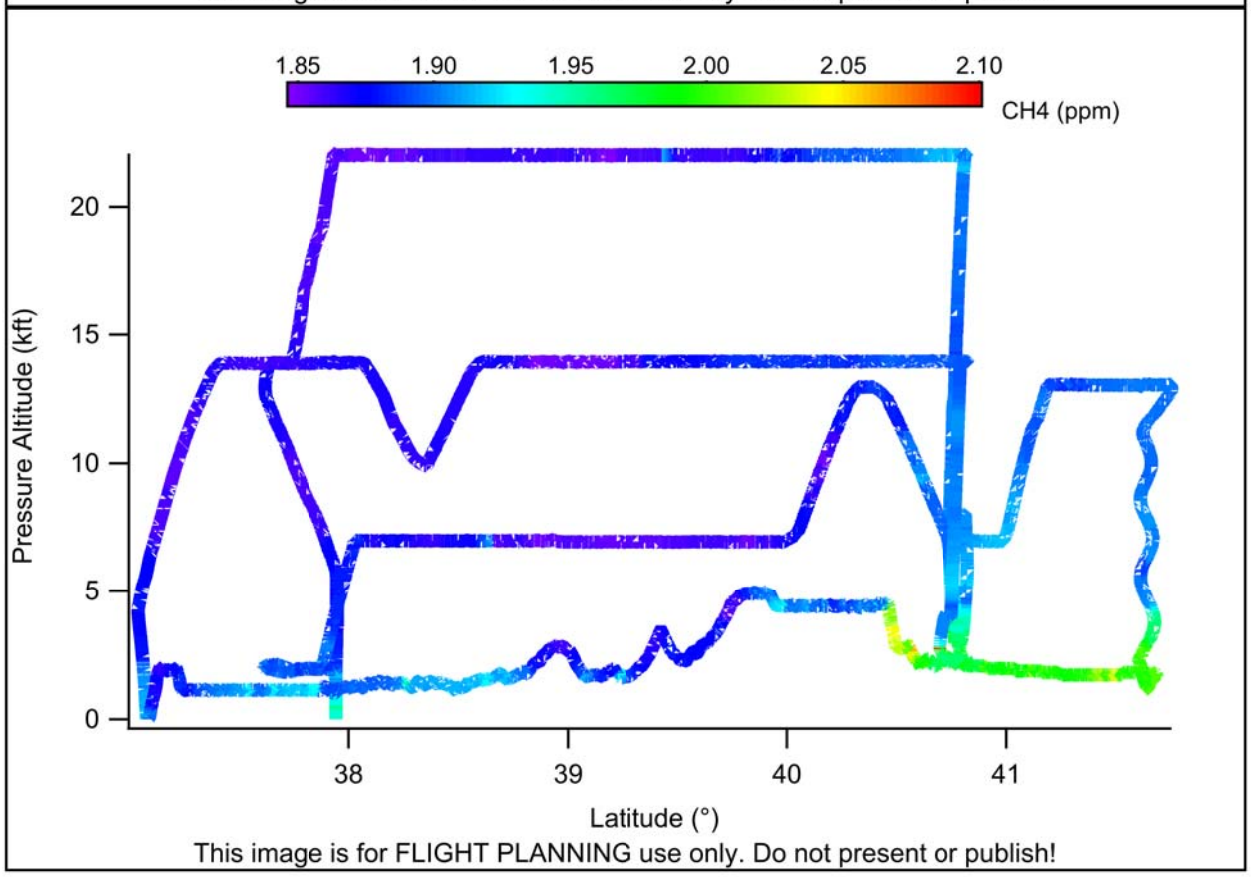
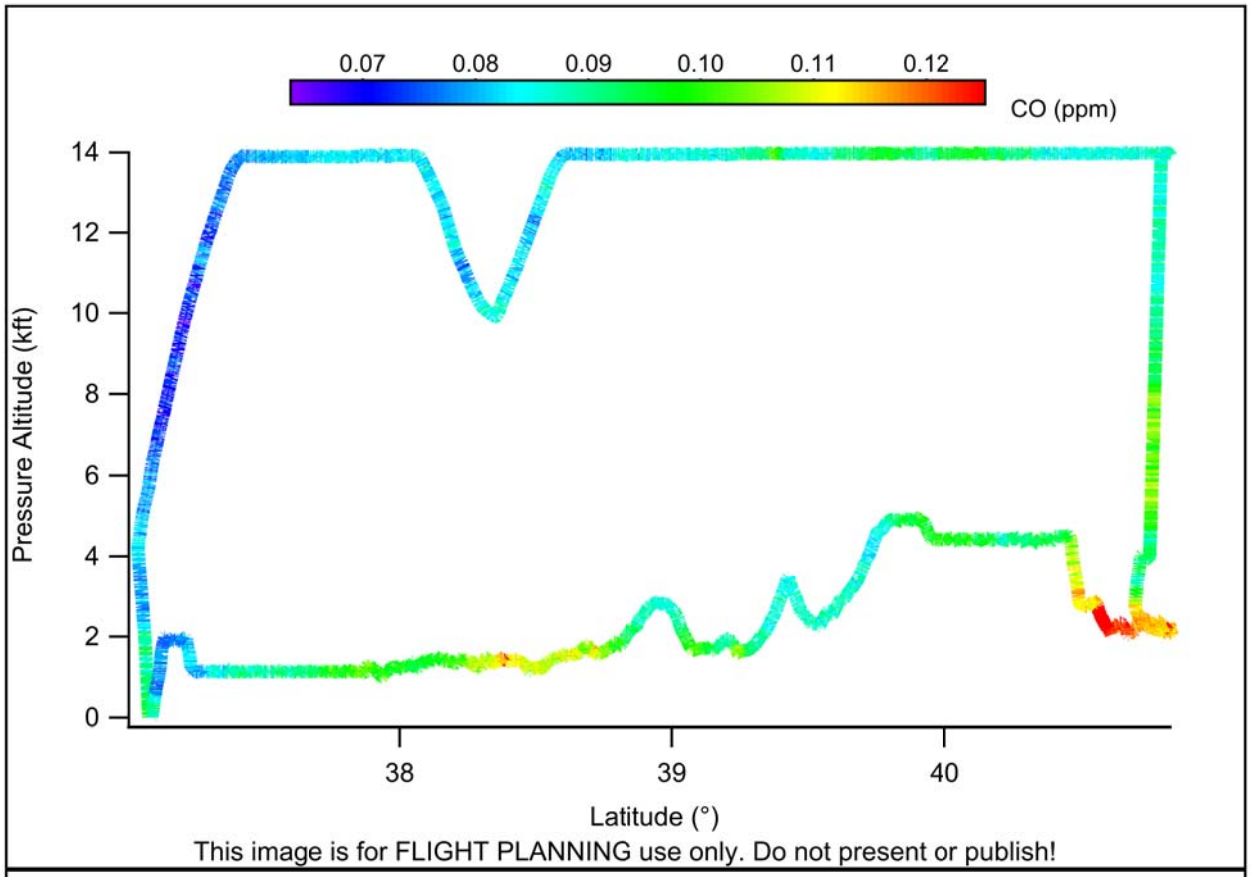
ACT-America 20171008


405
410
415
420
CO2 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


1.85
1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
38
39
40
41
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)
14
12
10
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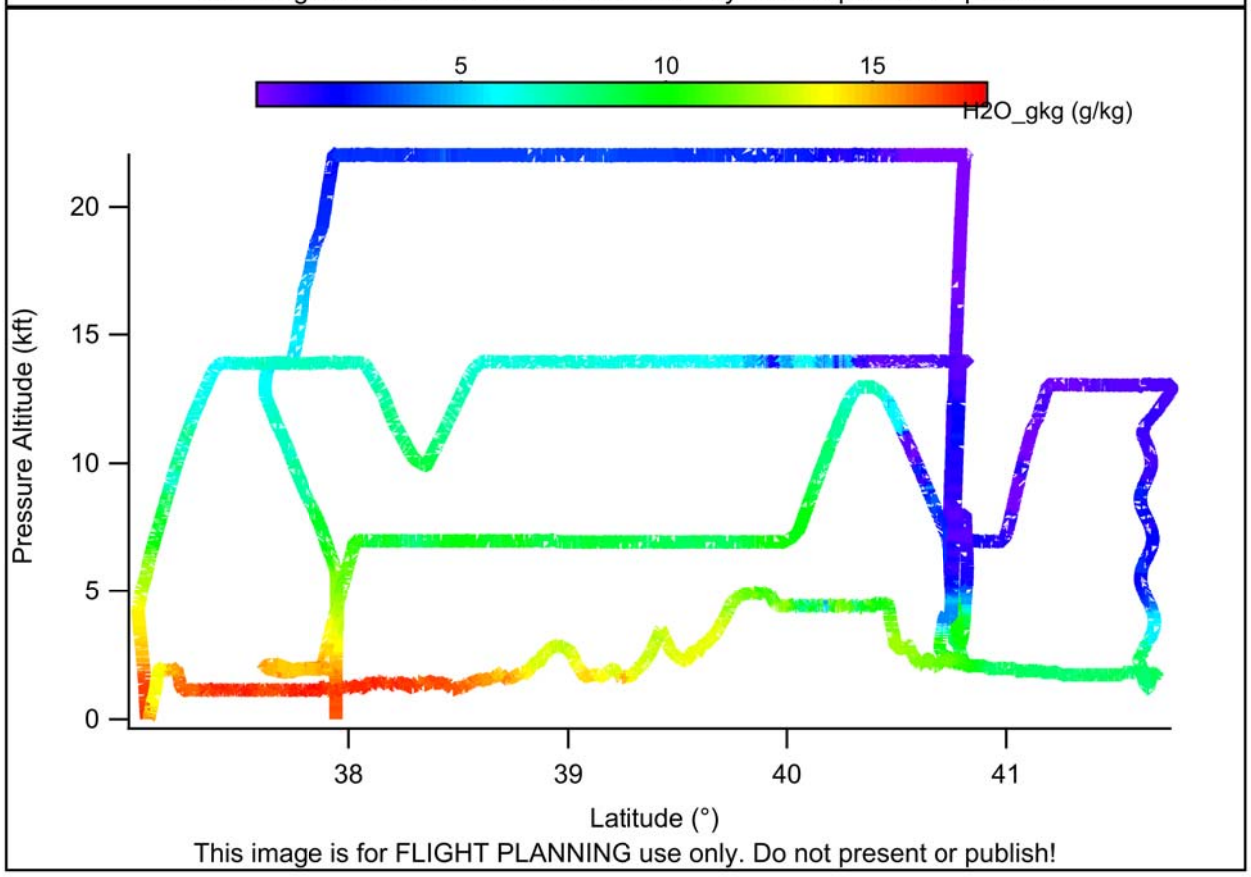
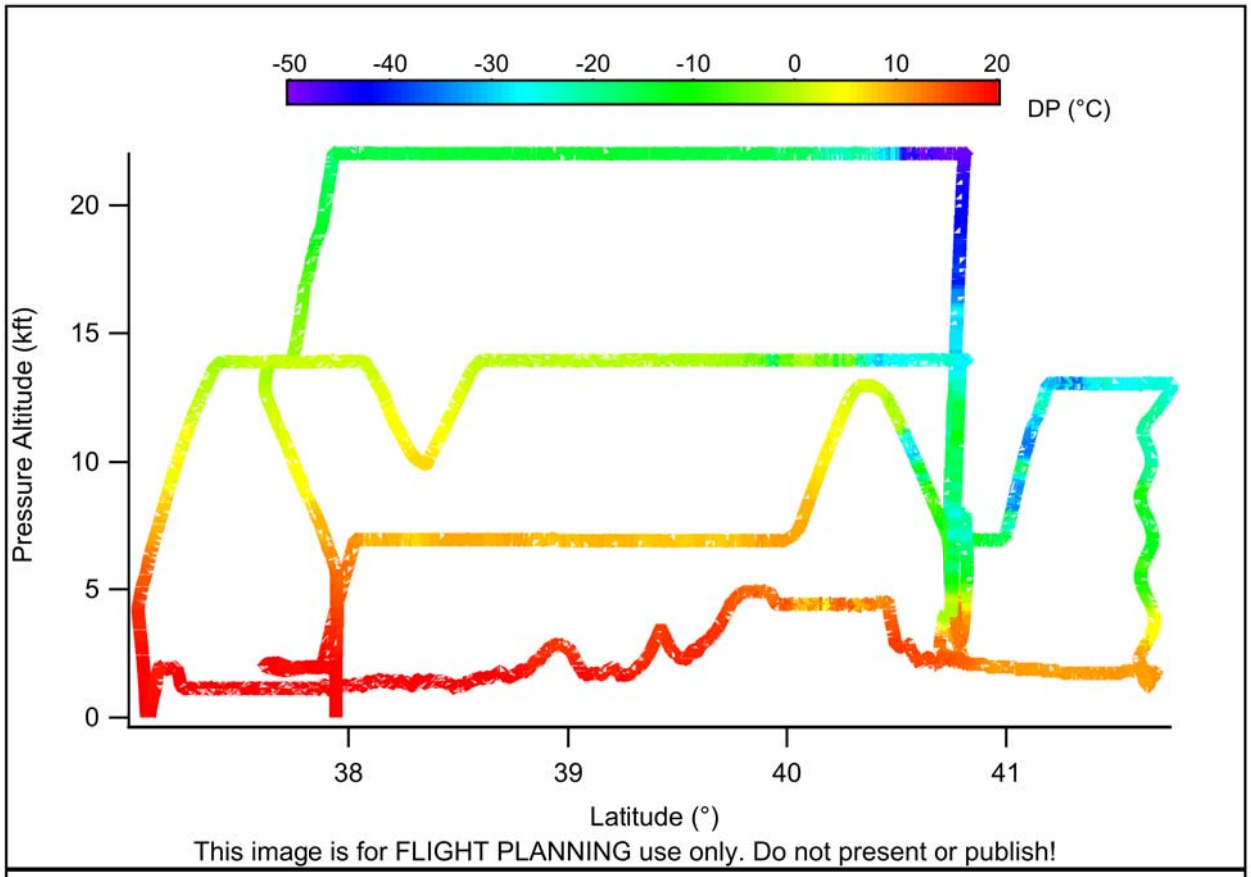
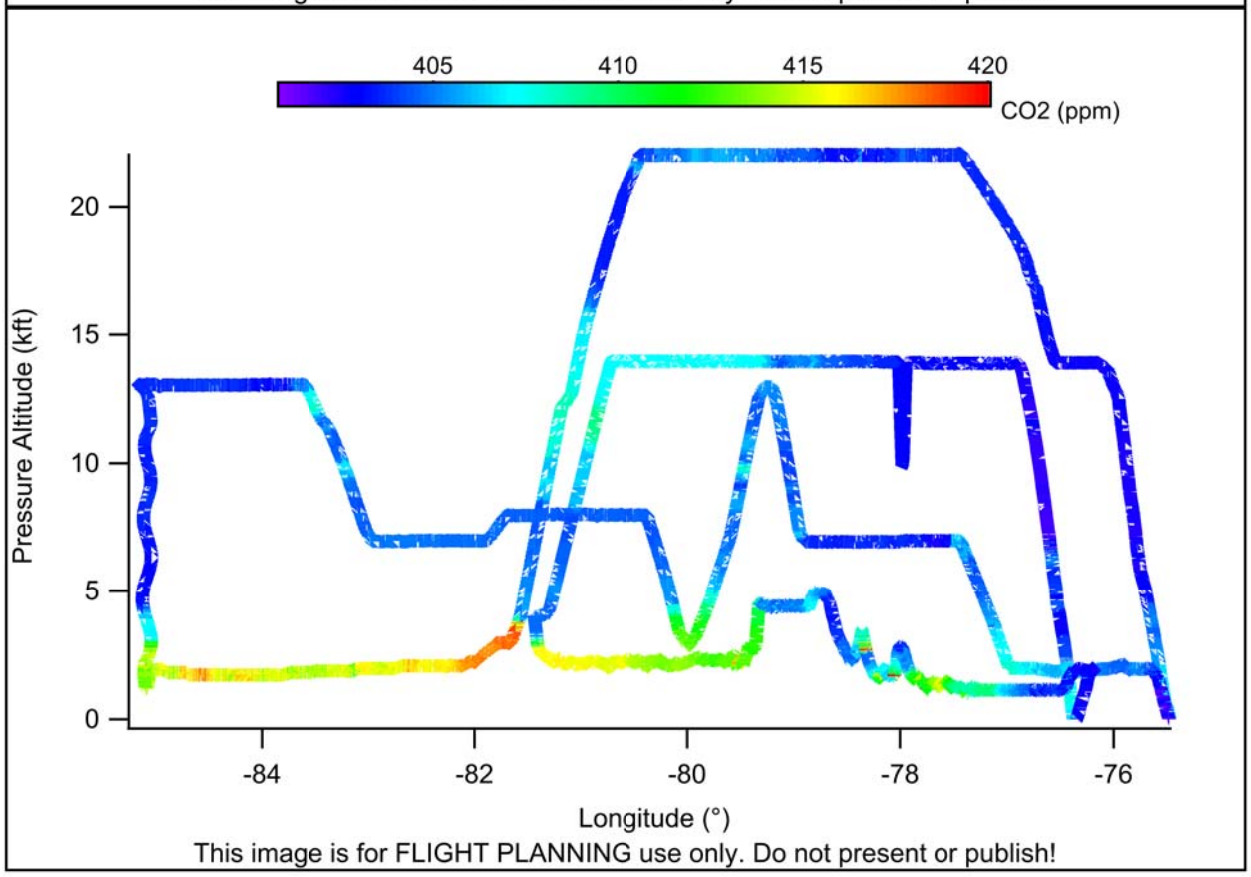
4
2
0
38
39
40
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


5
10
15
H2O_gkg (g/kg)
Pressure Altitude (kft)
20
15
10
5
0
38
39
40
41
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
41
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 (°)
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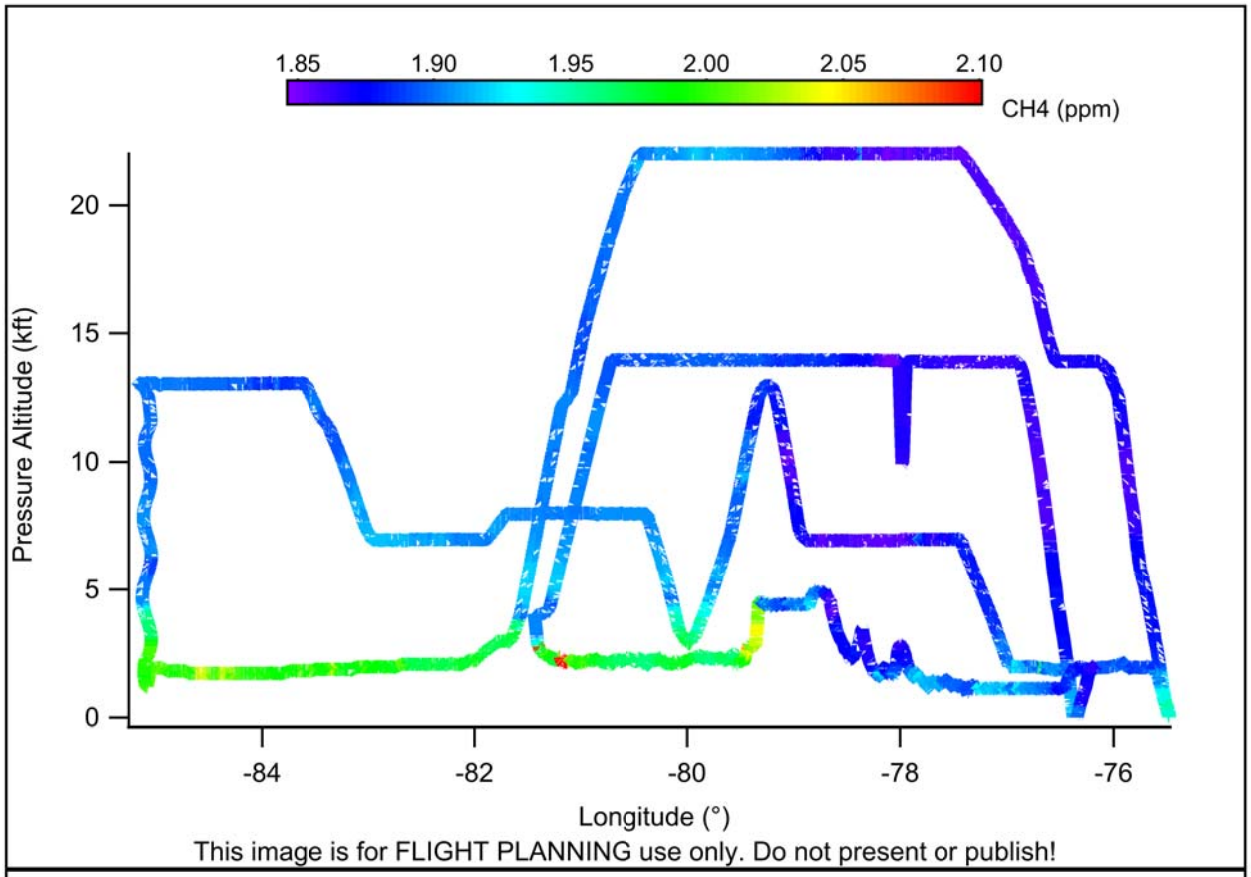
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1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
20
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-84
-82
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Longitude (°)
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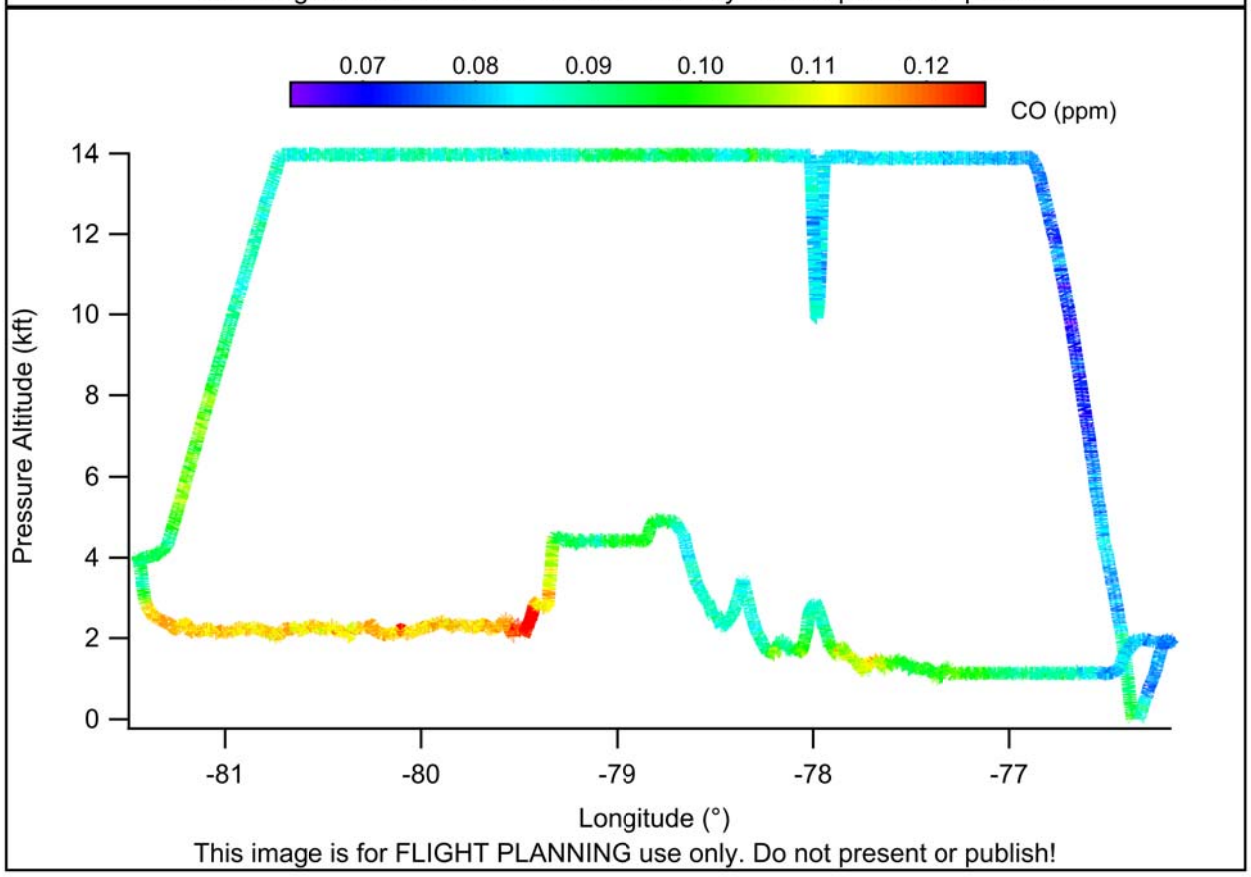
0.07
0.08
0.09
0.10
0.11
0.12
CO (ppm)
Pressure Altitude (kft)
14
12
10
8
6
4
2
0
-81
-80
-79
-78
-77
Longitude (°)
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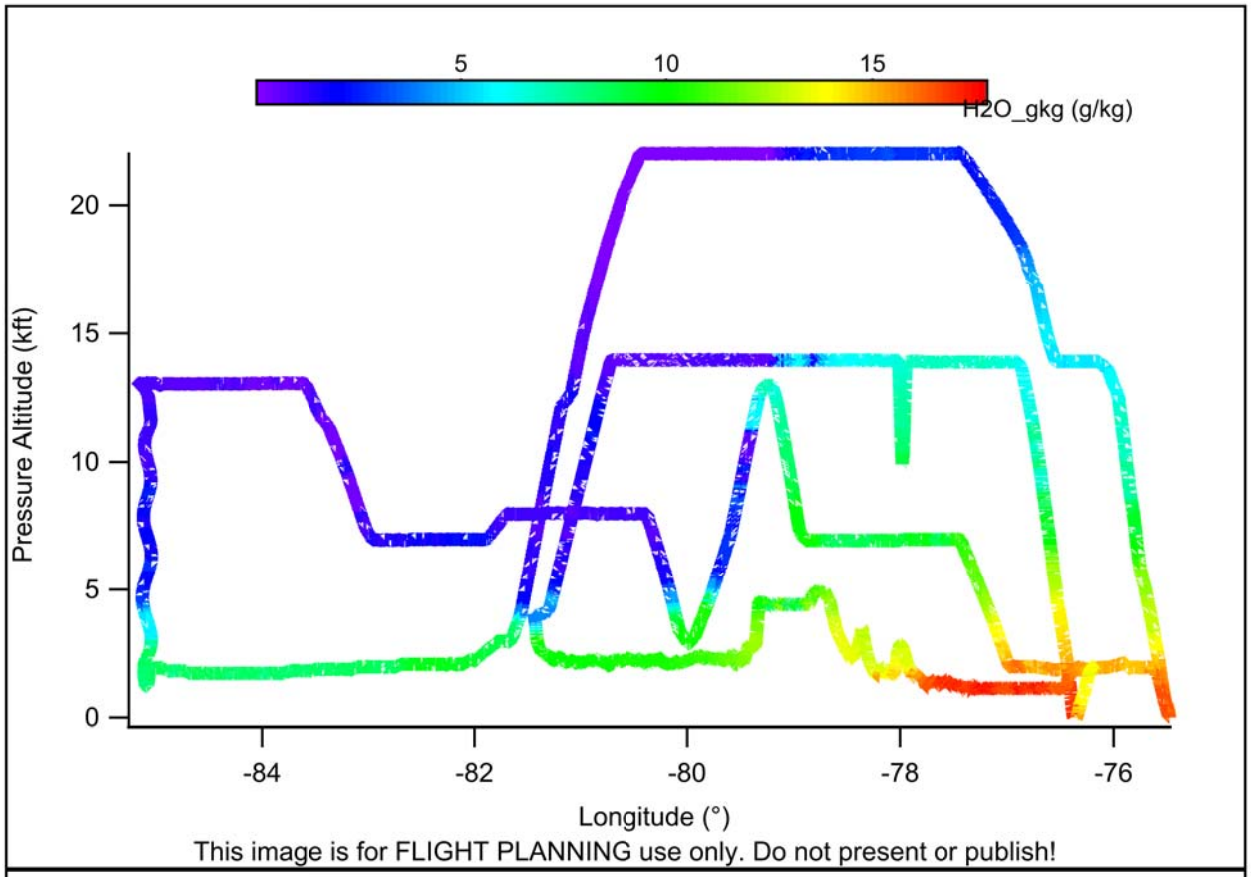
5
10
15
H2O_gkg (g/kg)
Pressure Altitude (kft)
20
15
10
5
0
-84
-82
-80
-78
-76
Longitude (°)
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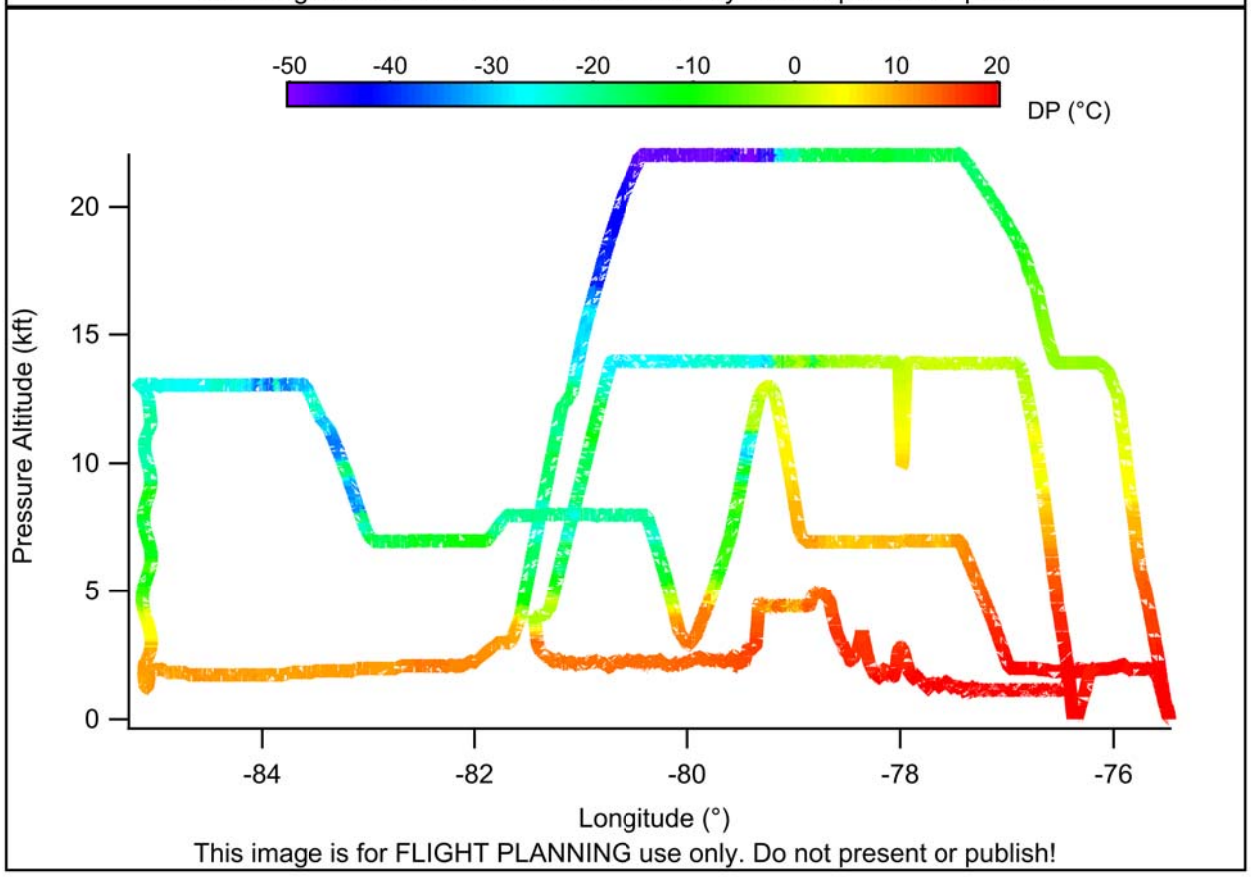
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-20
-10
0
10
20
DP (°C)
Pressure Altitude (kft)
20
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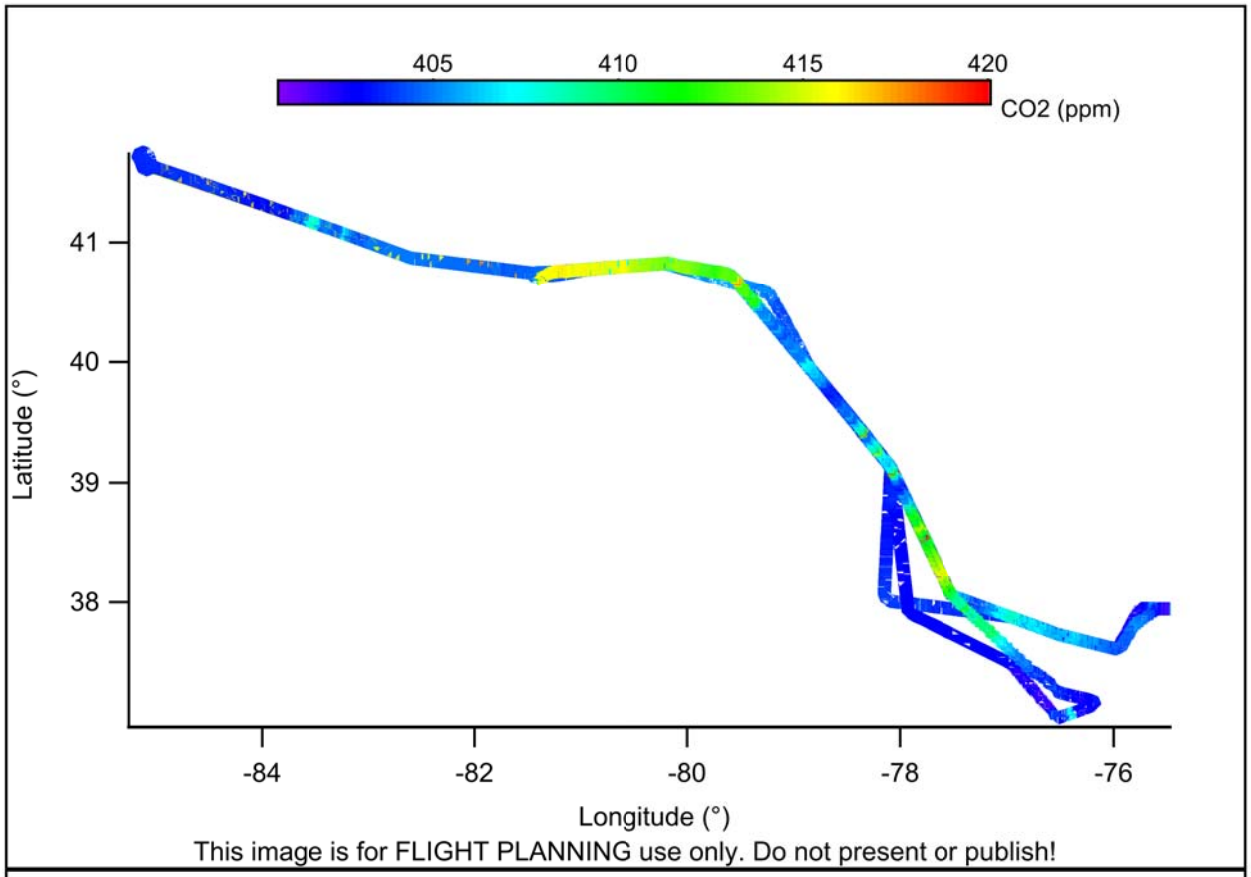
5
0
-84
-82
-80
-78
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!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410
415
420
CO2 (ppm)
41
40
39
38
Latitude (°)
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Longitude (°)
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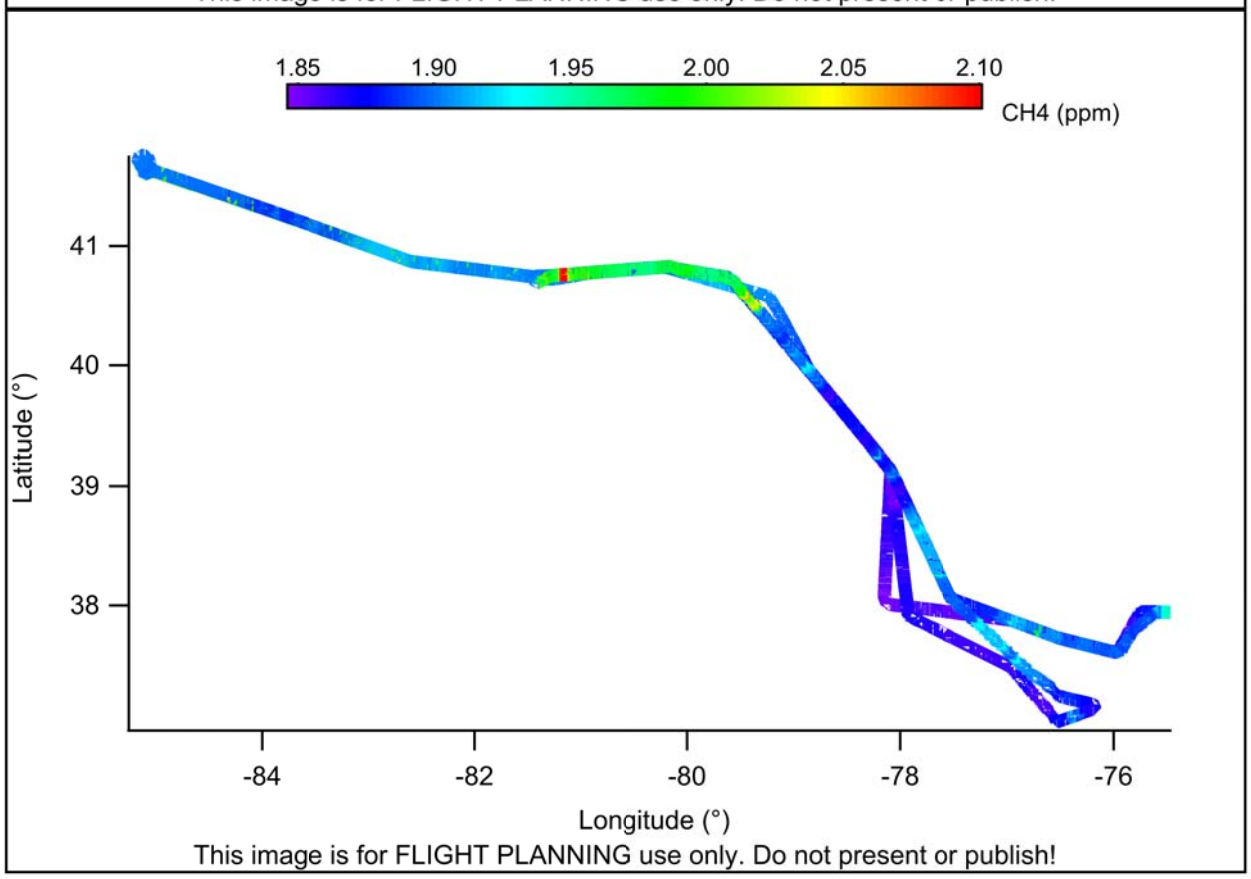
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1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
41
40
39
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Latitude (°)
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-78
-76
Longitude (°)
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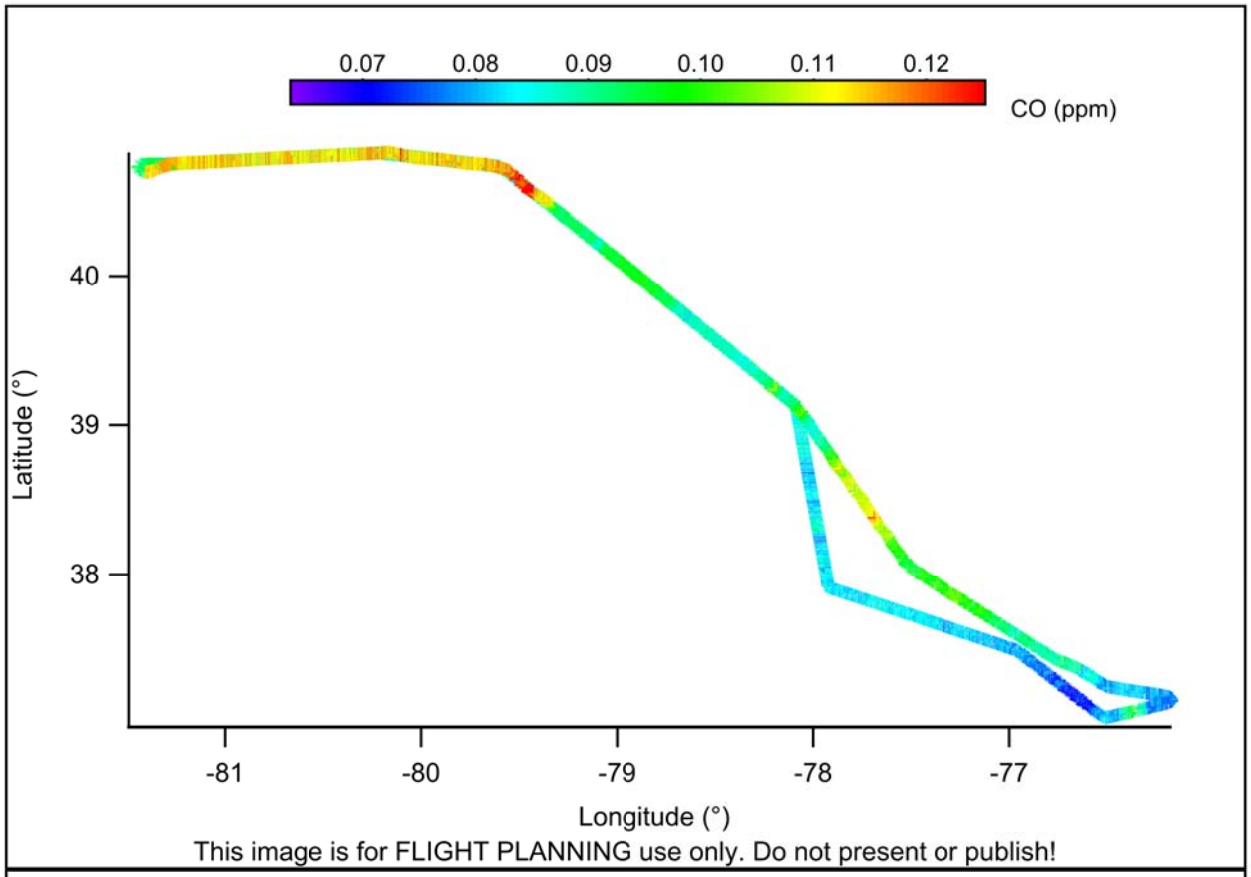
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0.08
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0.10
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0.12
CO (ppm)
40
39
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Latitude (°)
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-79
-78
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Longitude (°)
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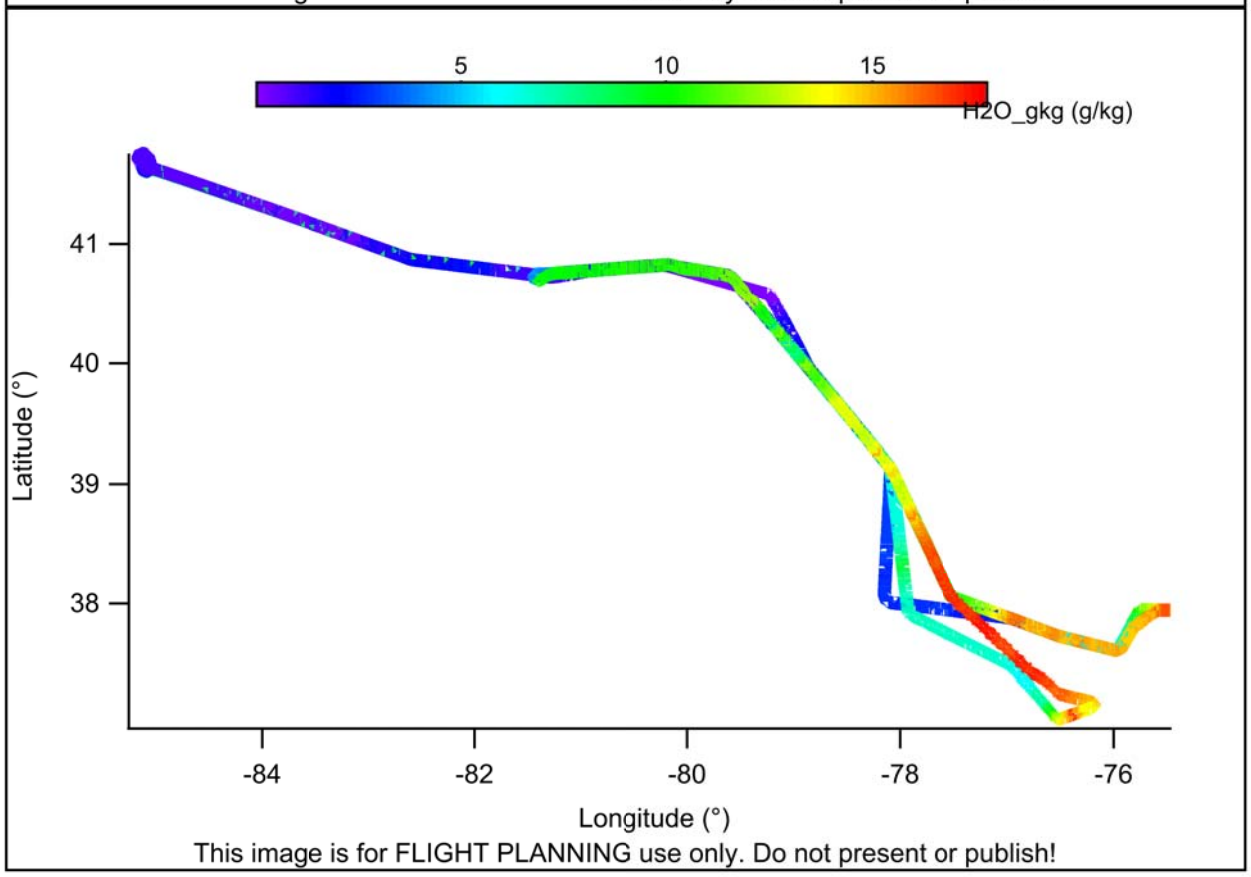
5
10
15
H2O_gkg (g/kg)
41
40
39
38
Latitude (°)
-84
-82
-80
-78
-76
Longitude (°)
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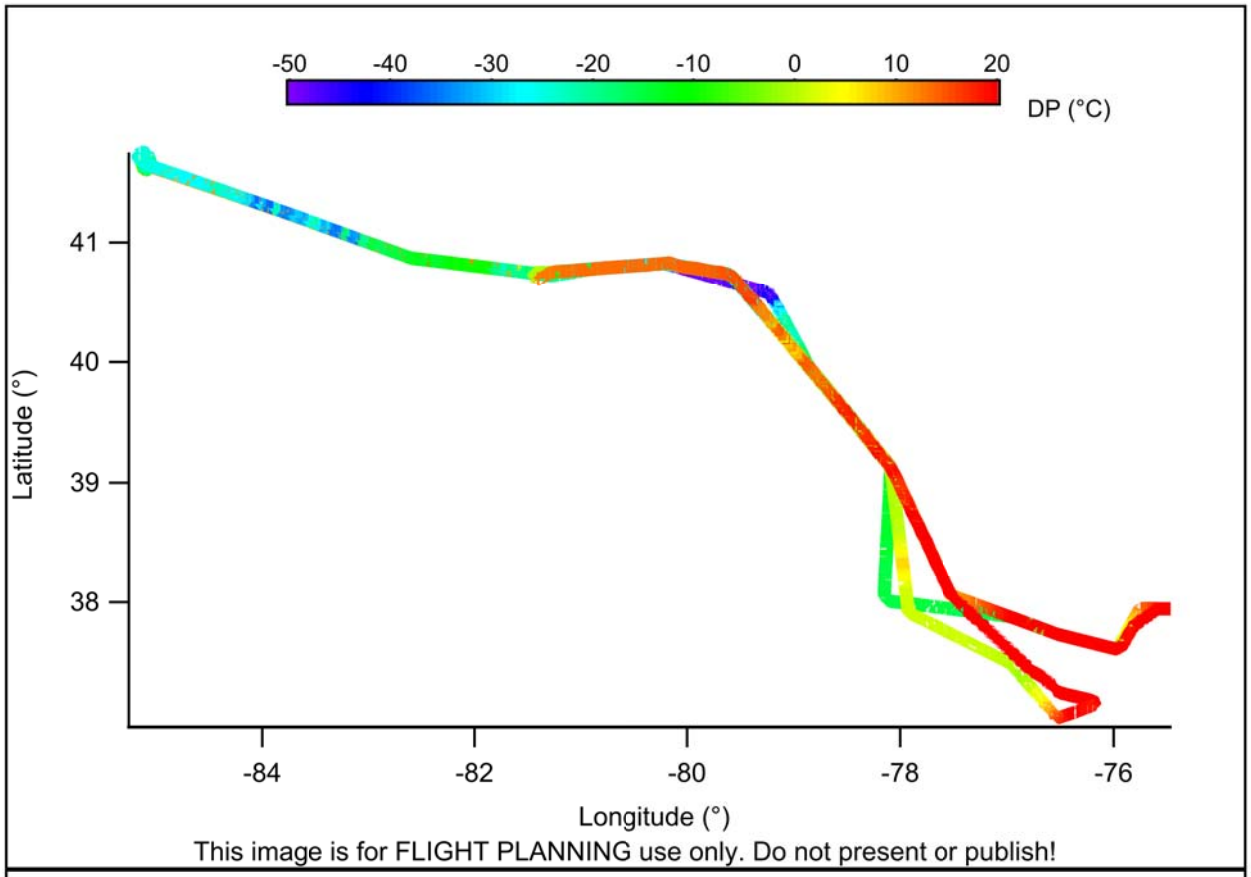
-50
-40
-30
-20
-10
0
10
20
DP (°C)
41
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Latitude (°)
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Longitude (°)
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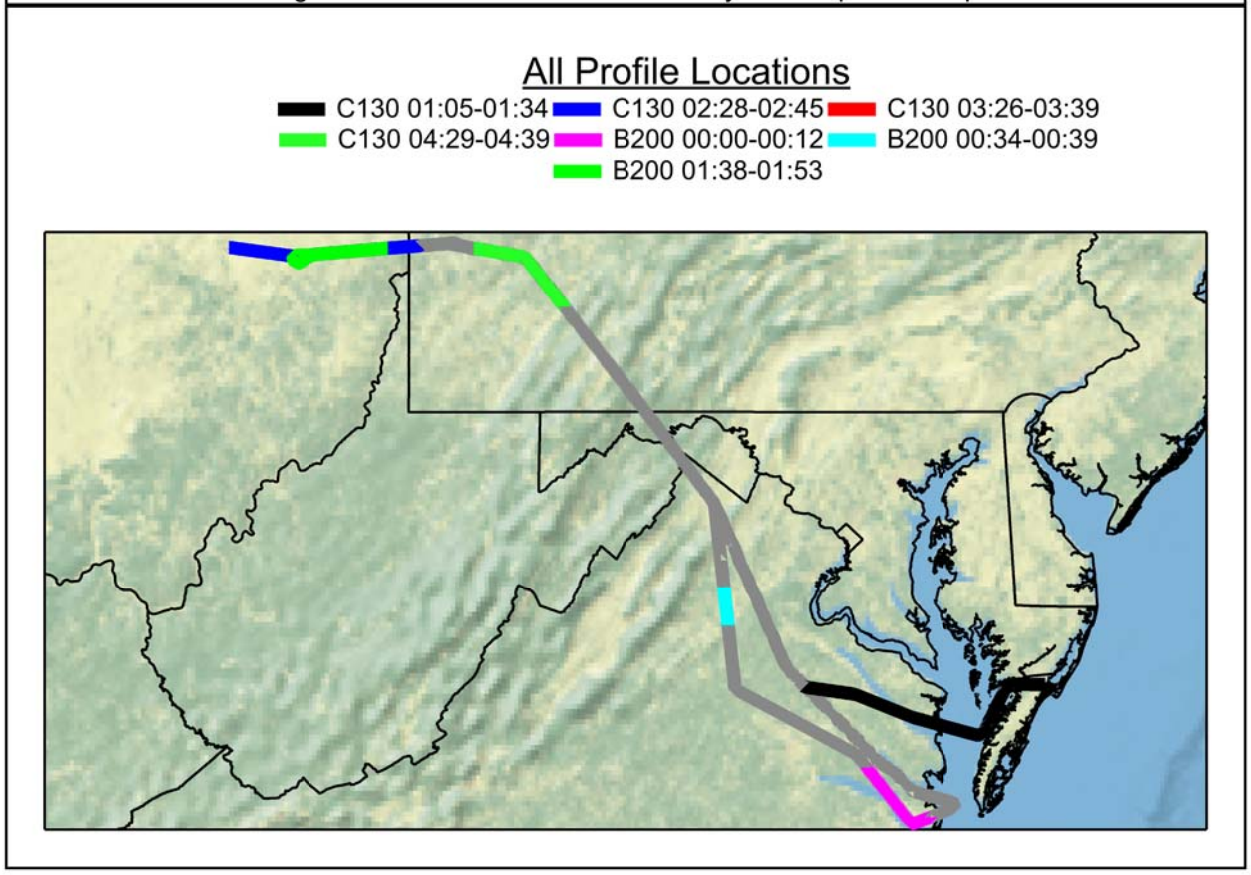
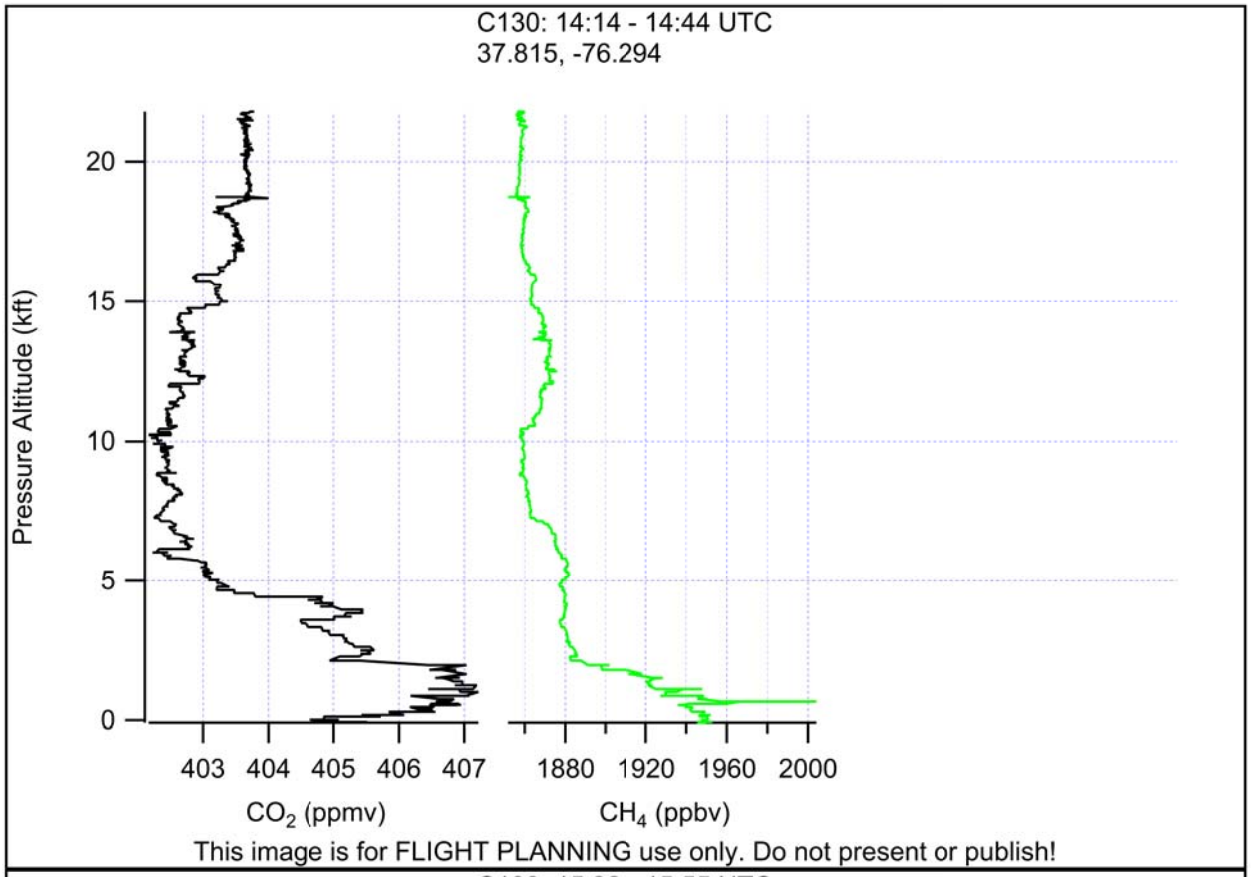
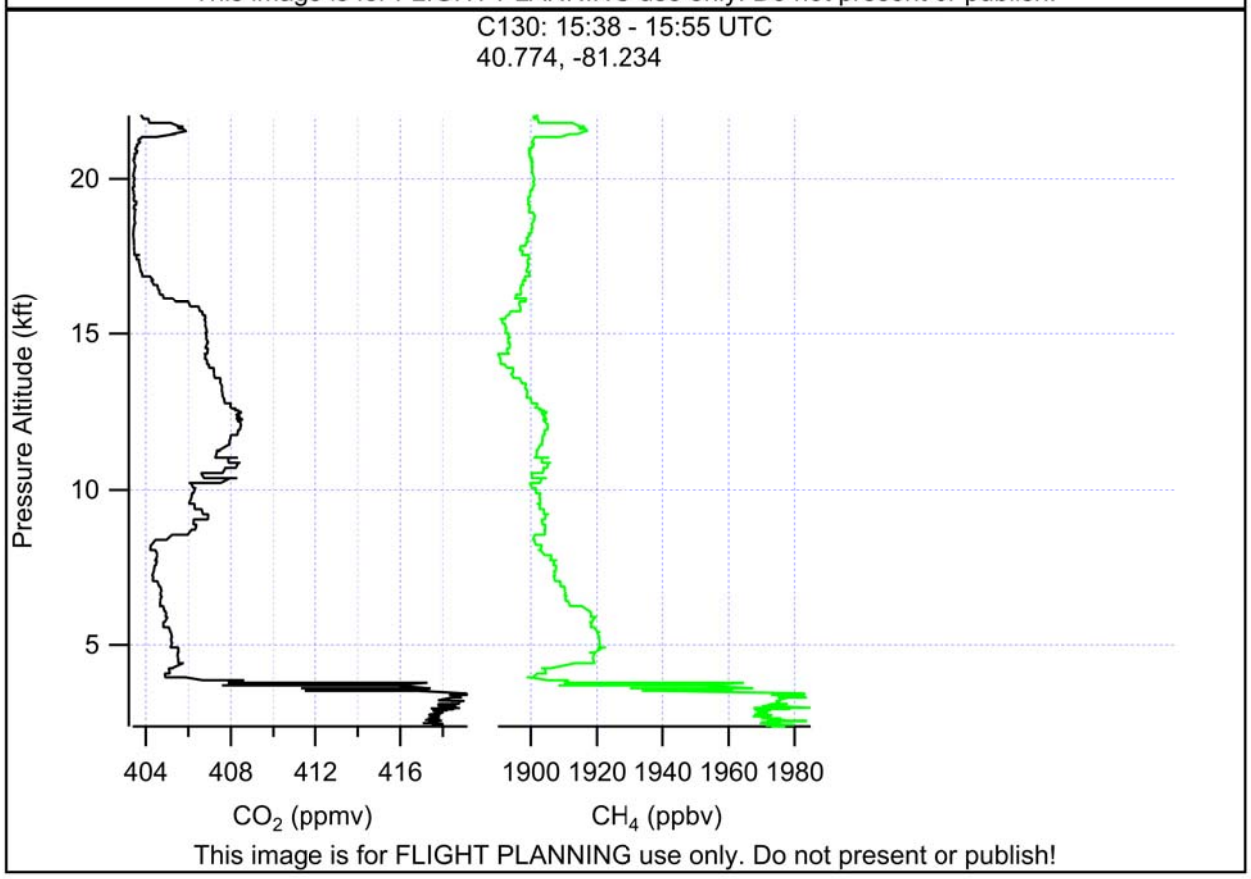

All Profile Locations
C130 01:05-01:34
C130 02:28-02:45
C130 03:26-03:39
C130 04:29-04:39
B200 00:00-00:12
B200 00:34-00:39
B200 01:38-01:53


C130: 14:14 - 14:44 UTC
37.815, -76.294
Pressure Altitude (kft)
20
15
10
5
0
403 404 405 406 407
CO2 (ppmv)
1880 1920 1960 2000
CH4 (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 15:38 - 15:55 UTC
40.774, -81.234
Pressure Altitude (kft)
20
15
10
5
404 408 412 416
CO2 (ppmv)
1900 1920 1940 1960 1980
CH4 (ppbv)
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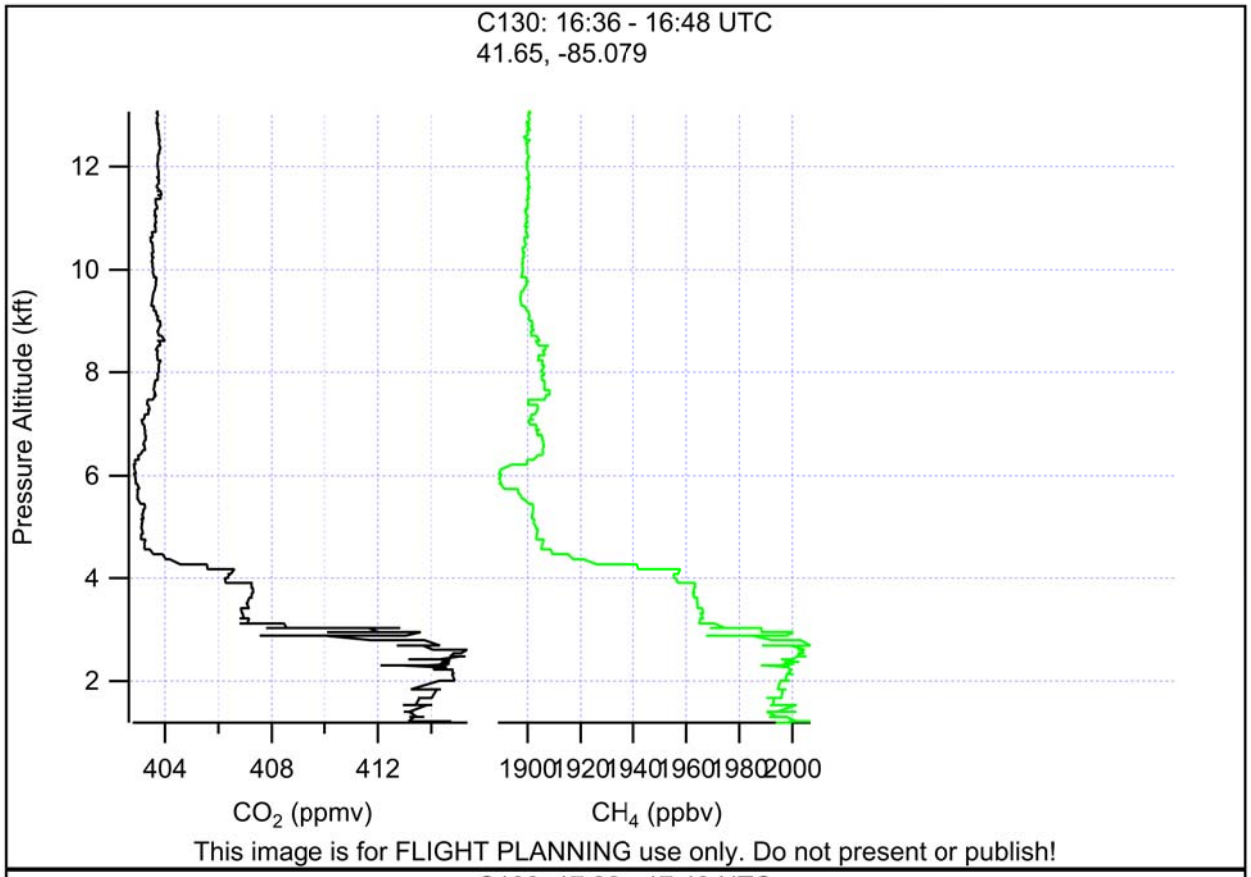
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41.65, -85.079
Pressure Altitude (kft)
12
10
8
6
4
2
404
408
412
CO_2 (ppmv)
1900 1920 1940 1960 1980 2000
CH_4 (ppbv)
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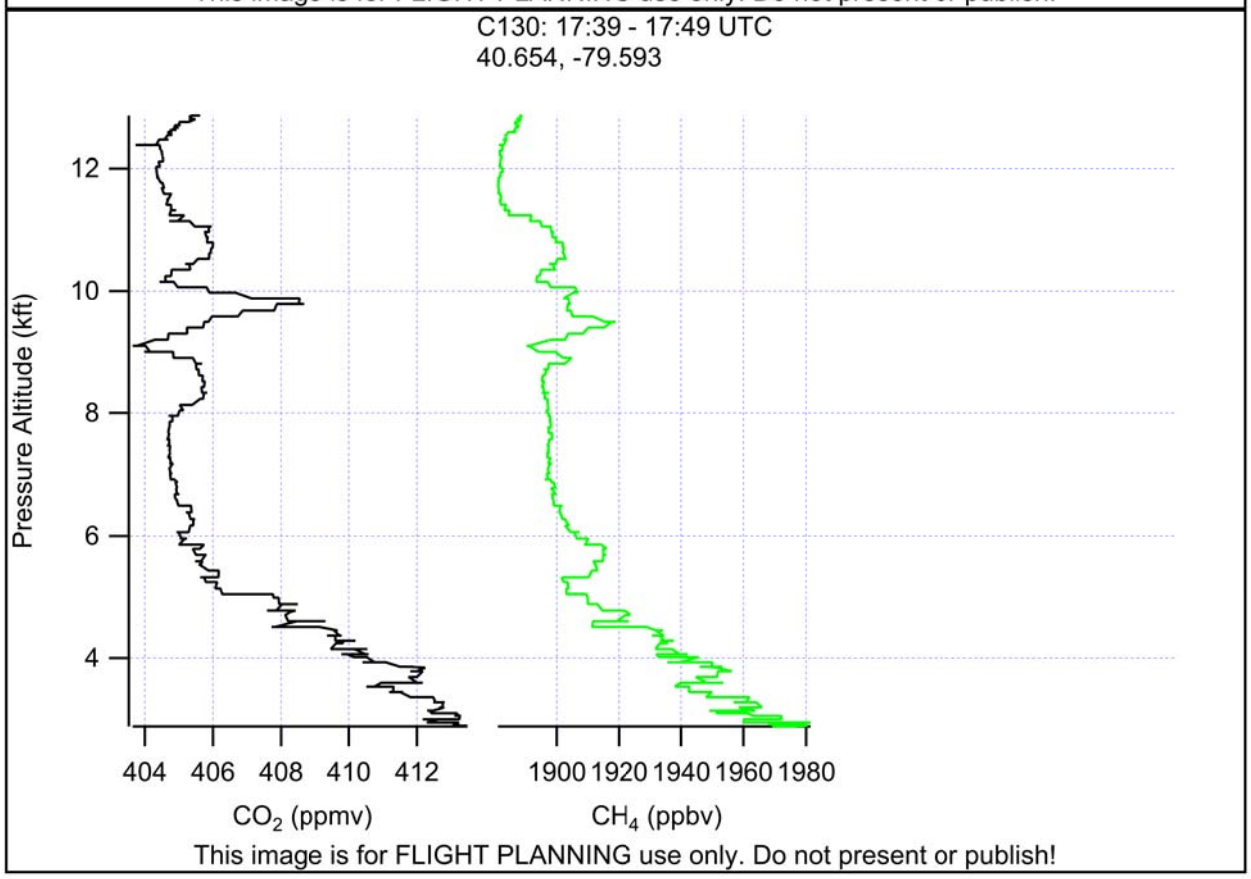
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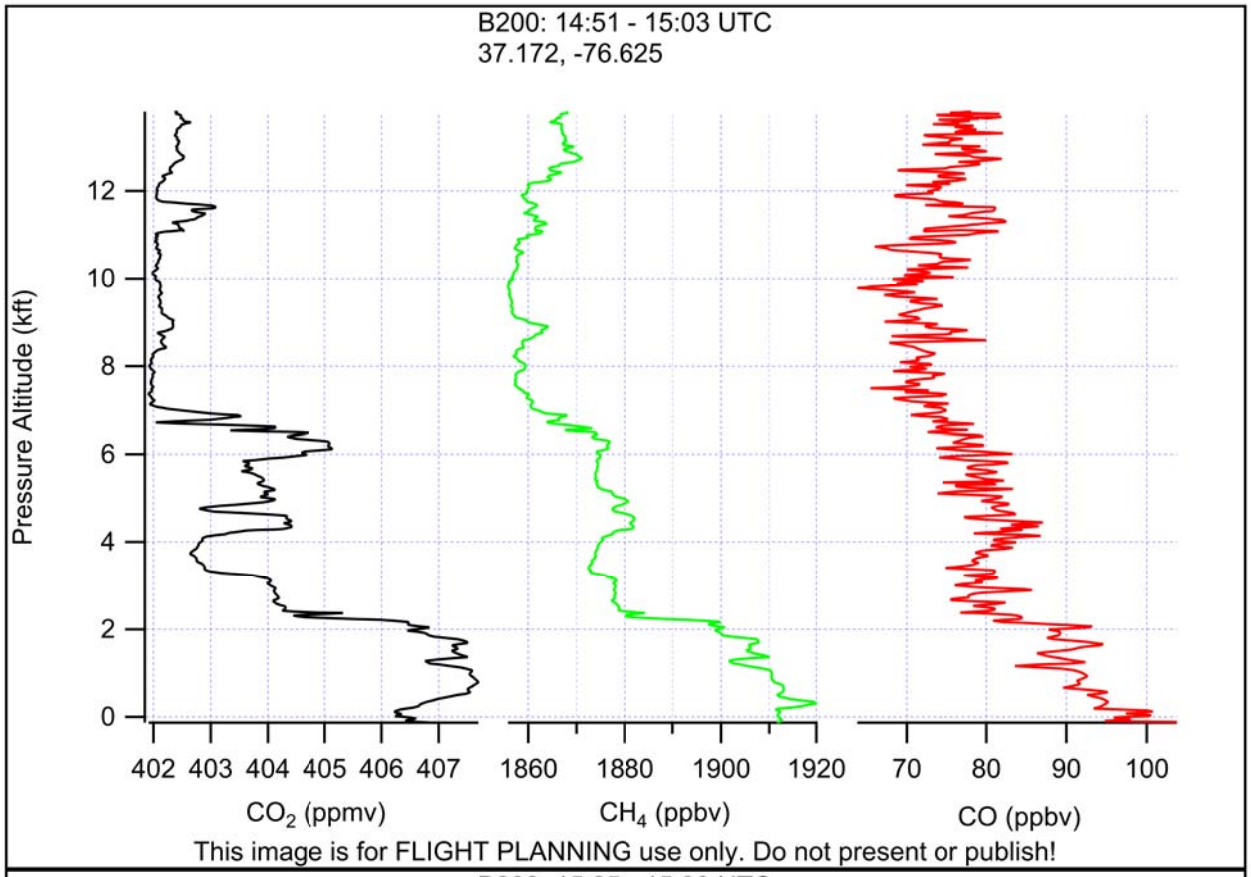
Pressure Altitude (kft)
12
10
8
6
4
404 406 408 410 412
CO_2 (ppmv)
1900 1920 1940 1960 1980
CH_4 (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 14:51 - 15:03 UTC
37.172, -76.625
Pressure Altitude (kft)
0
2
4
6
8
10
12
402 403 404 405 406 407
CO2 (ppmv)
1860 1880 1900 1920
CH4 (ppbv)
70 80 90 100
CO (ppbv)
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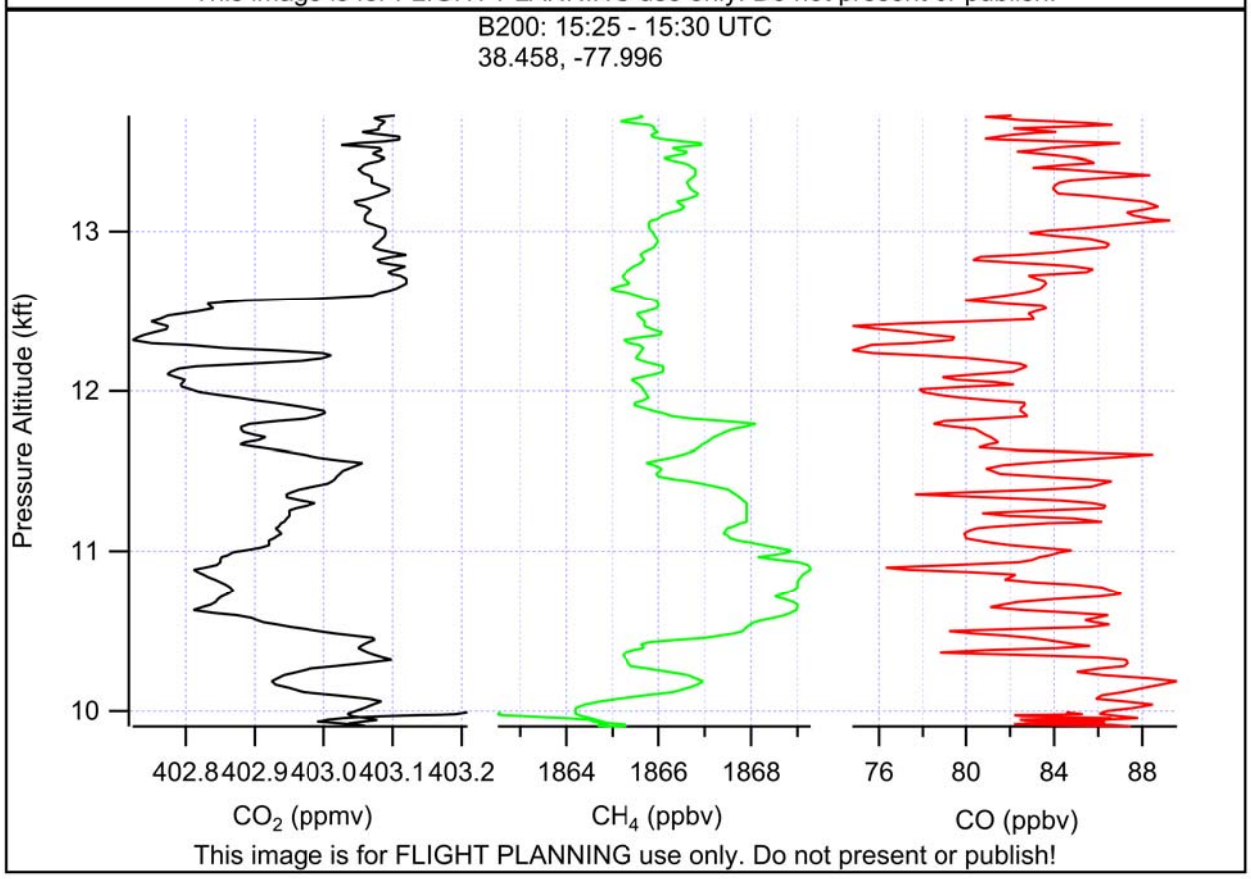
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38.458, -77.996
Pressure Altitude (kft)
10
11
12
13
402.8 402.9 403.0 403.1 403.2
CO2 (ppmv)
1864 1866 1868
CH4 (ppbv)
76 80 84 88
CO (ppbv)
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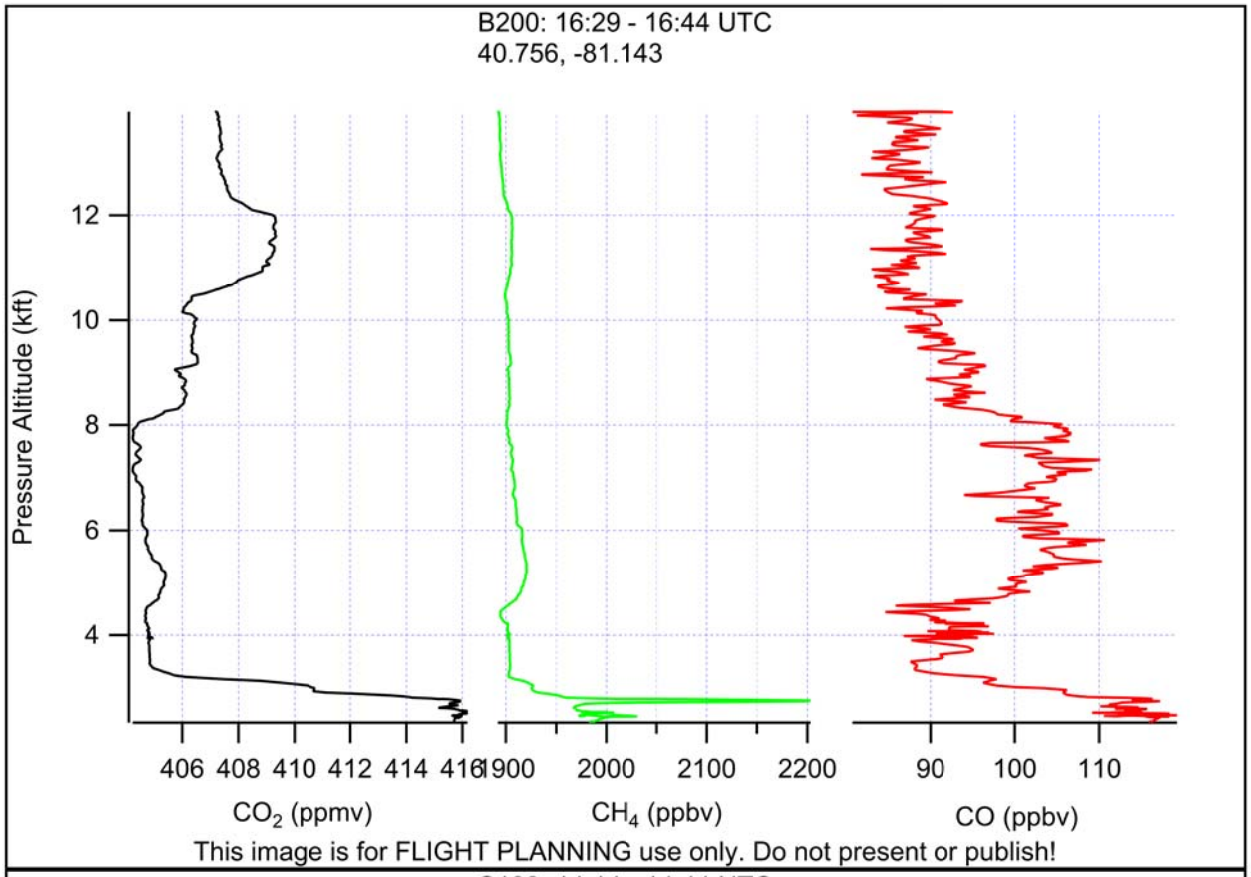
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40.756, -81.143
Pressure Altitude (kft)
12
10
8
6
4
406 408 410 412 414 416
CO2 (ppmv)
1900 2000 2100 2200
CH4 (ppbv)
90 100 110
CO (ppbv)
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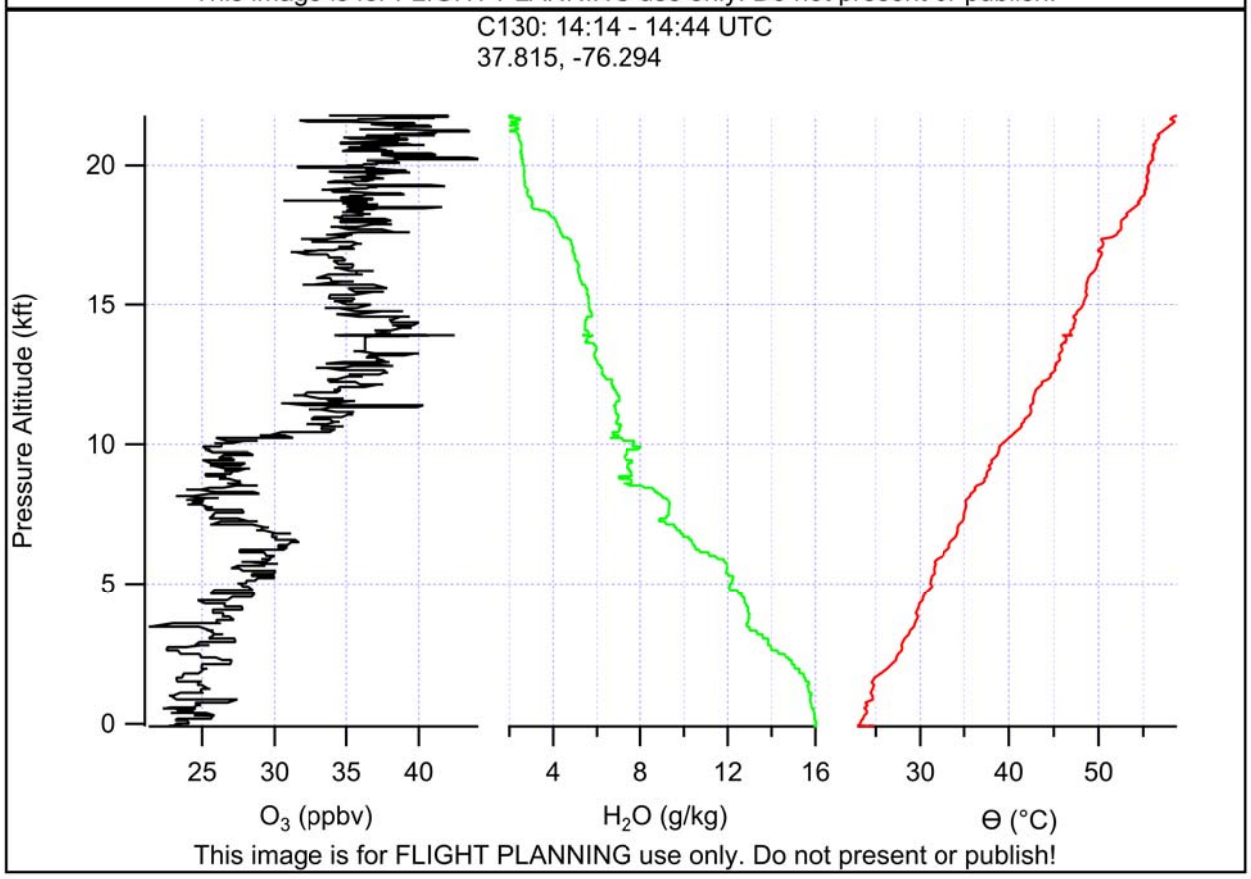
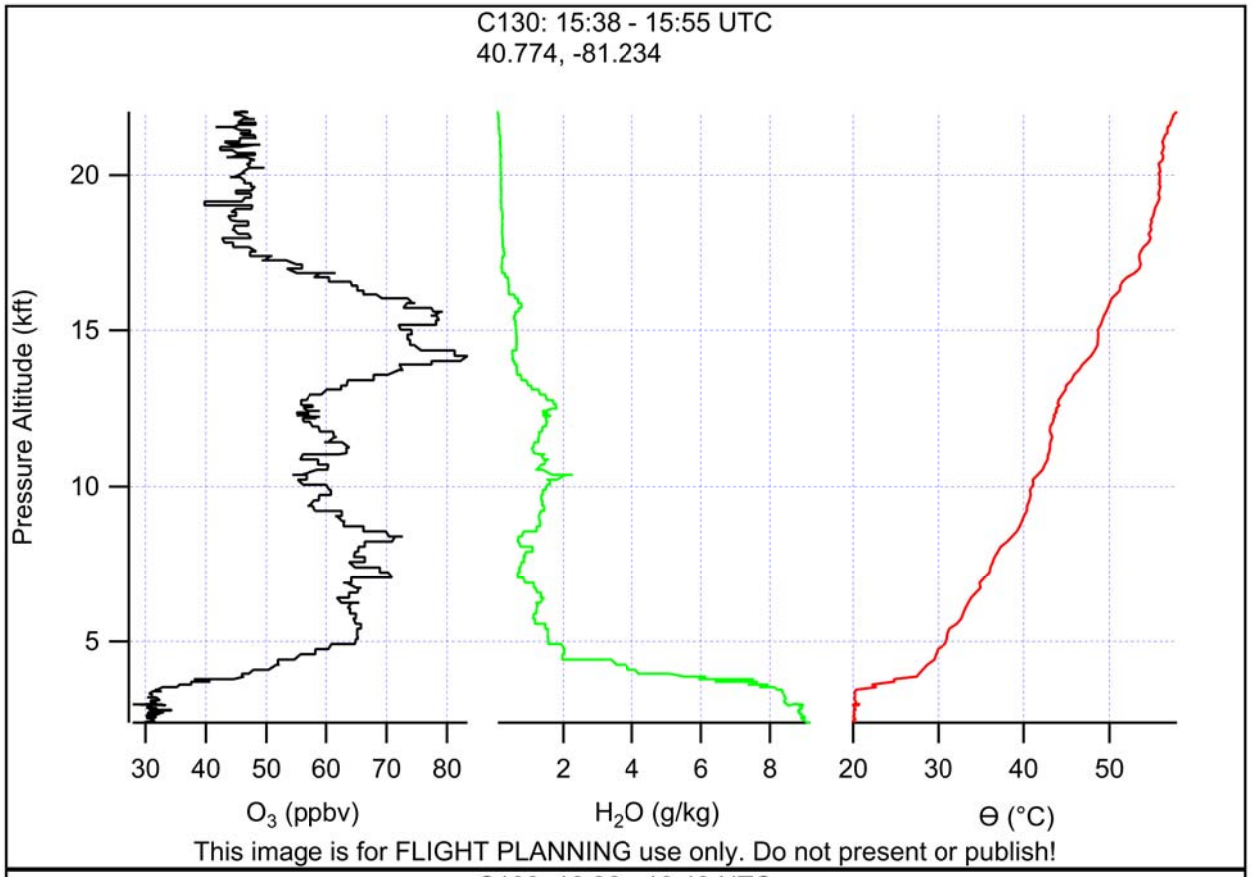

C130: 14:14 - 14:44 UTC
37.815, -76.294
Pressure Altitude (kft)
20
15
10
5
0
25 30 35 40
O3 (ppbv)
4 8 12 16
H2O (g/kg)
30 40 50
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!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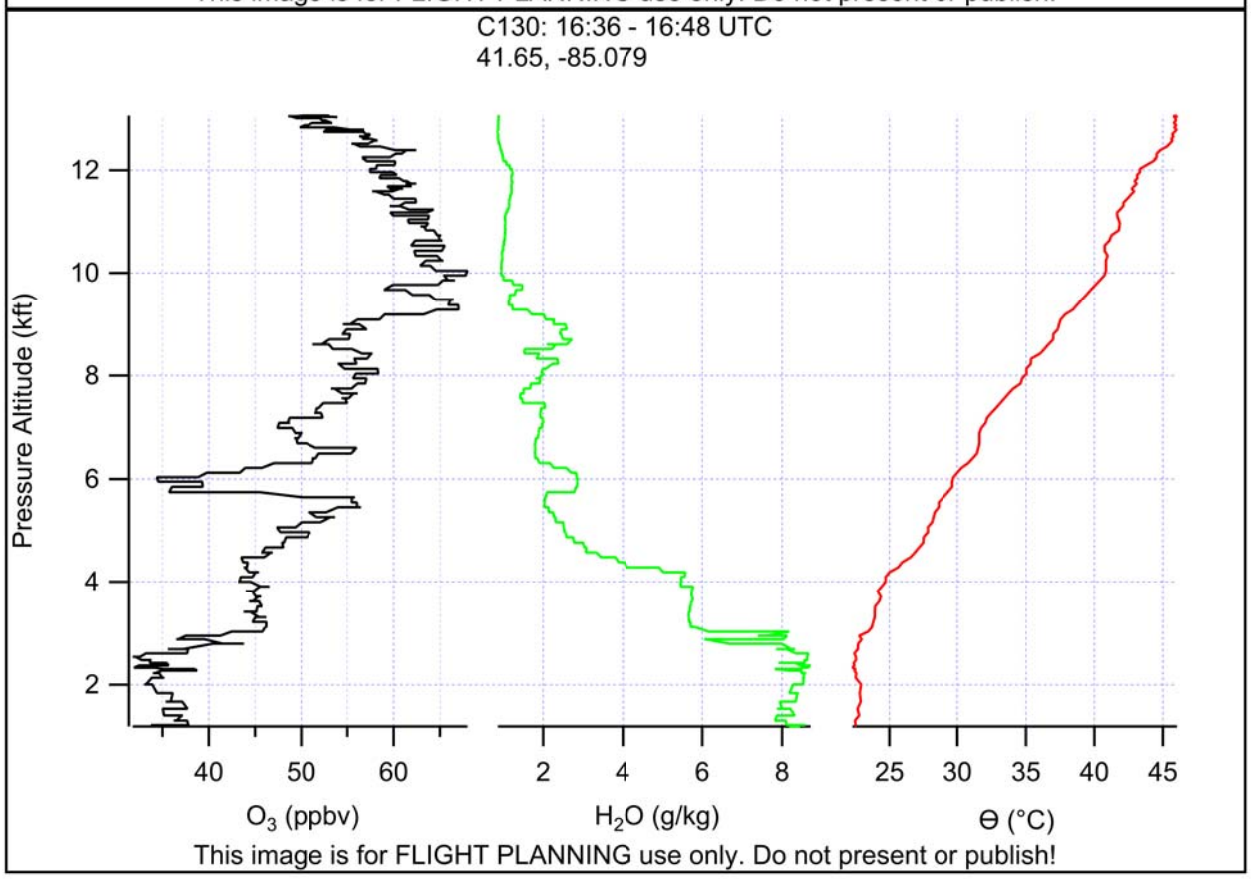
40.774, -81.234
Pressure Altitude (kft)
20
15
10
5
30 40 50 60 70 80
O3 (ppbv)
2 4 6 8
H2O (g/kg)
20 30 40 50
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!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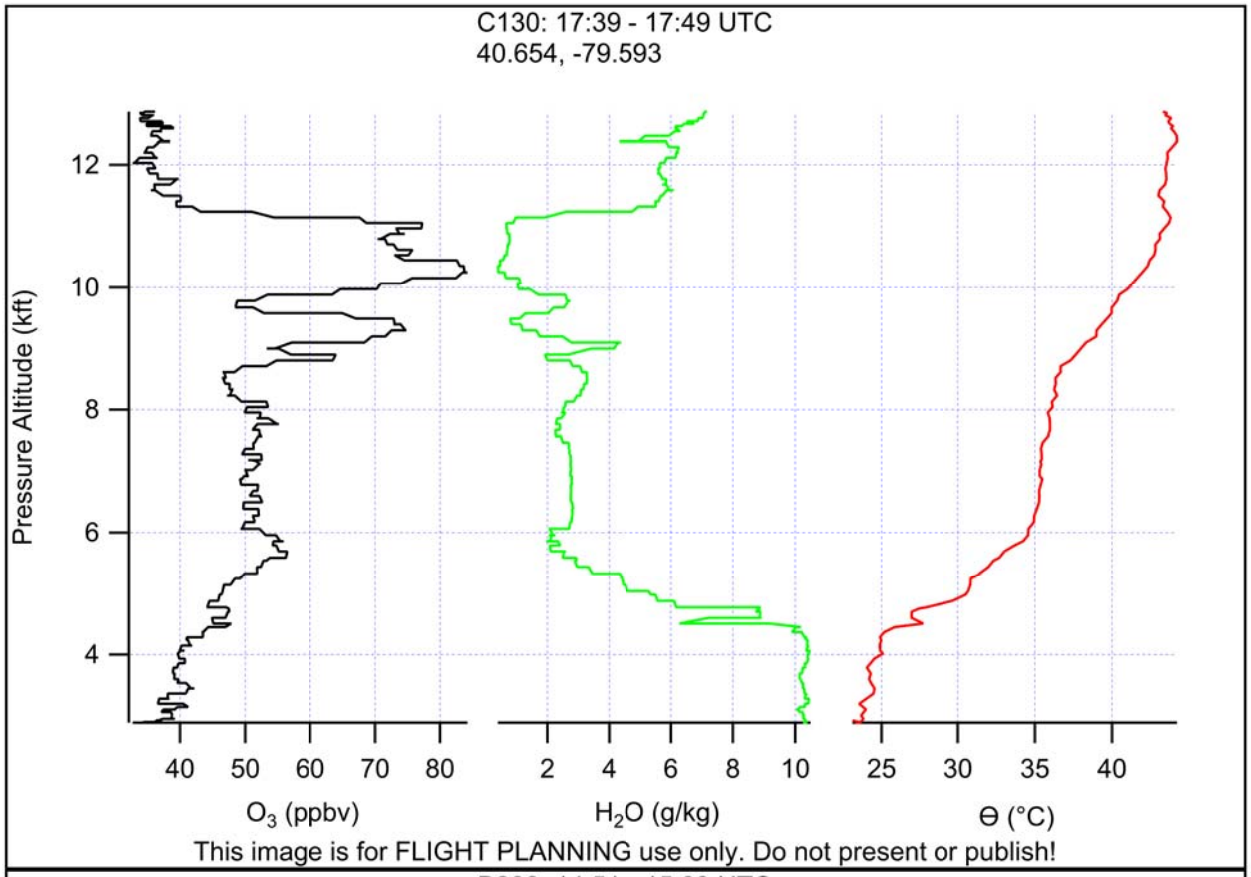
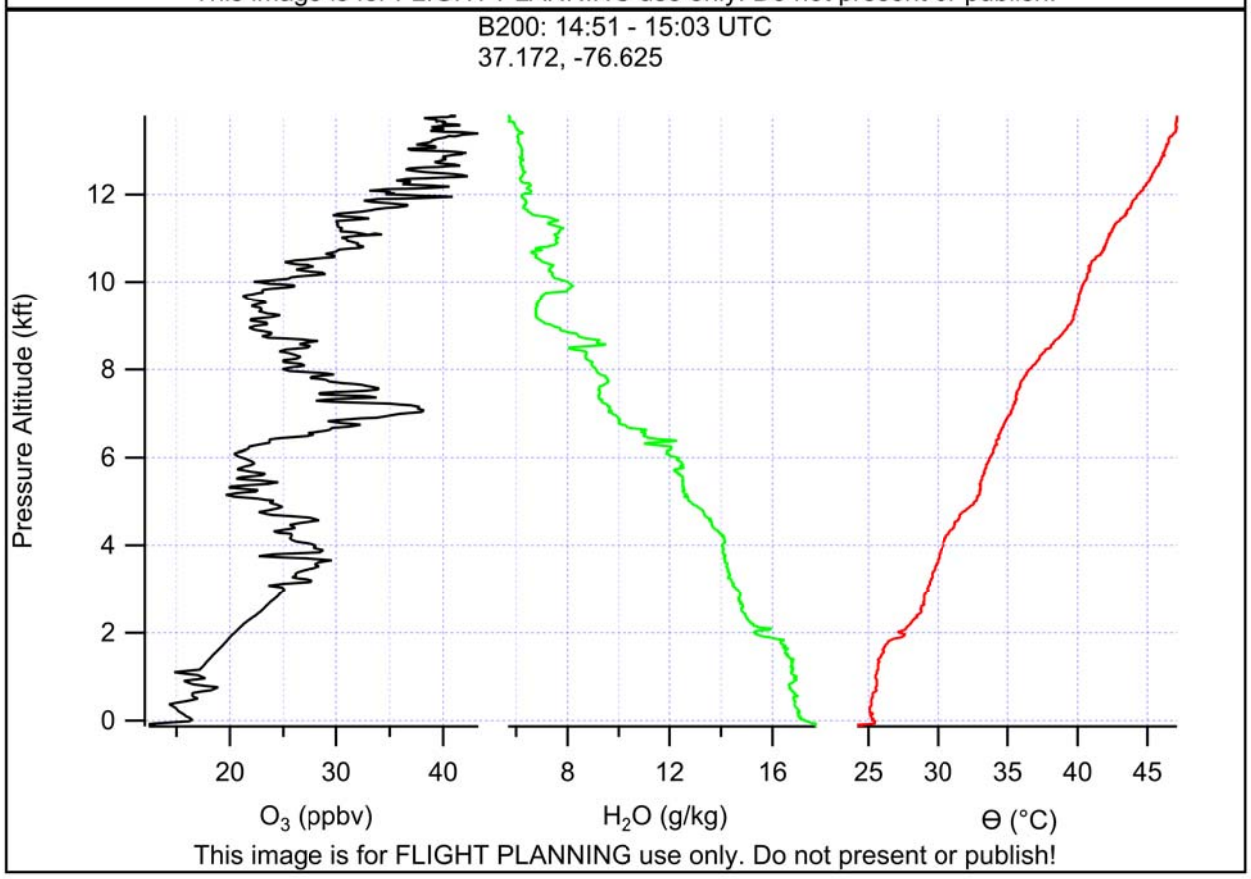
41.65, -85.079
Pressure Altitude (kft)
12
10
8
6
4
2
40 50 60
O3 (ppbv)
2 4 6 8
H2O (g/kg)
25 30 35 40 45
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 17:39 - 17:49 UTC
40.654, -79.593
Pressure Altitude (kft)
12
10
8
6
4
40 50 60 70 80
O3 (ppbv)
2 4 6 8 10
H2O (g/kg)
25 30 35 40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!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37.172, -76.625
Pressure Altitude (kft)
12
10
8
6
4
2
0
20 30 40
O3 (ppbv)
8 12 16
H2O (g/kg)
25 30 35 40 45
Θ (°C)
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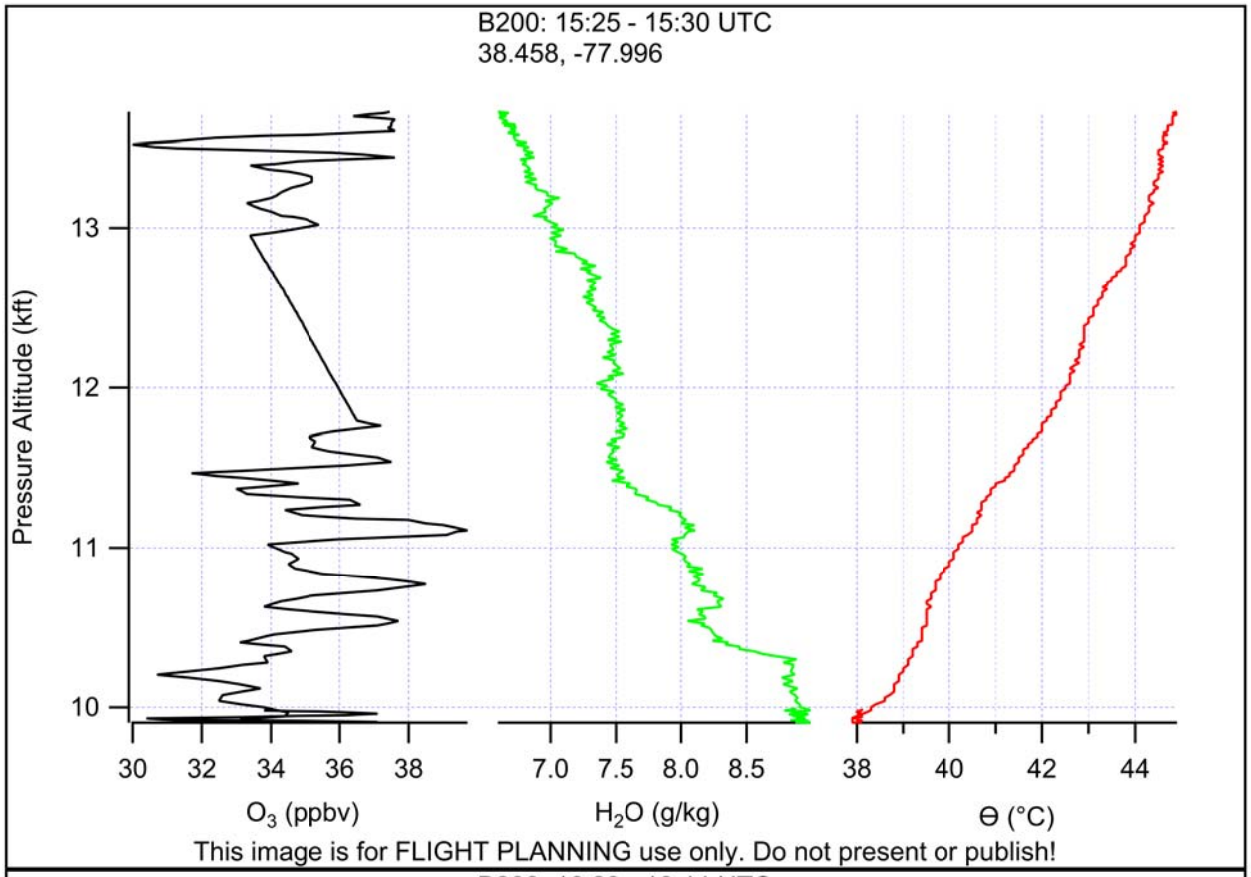
B200: 15:25 - 15:30 UTC
38.458, -77.996
Pressure Altitude (kft)
13
12
11
10
30 32 34 36 38
O3 (ppbv)
7.0 7.5 8.0 8.5
H2O (g/kg)
38 40 42 44
Θ (°C)
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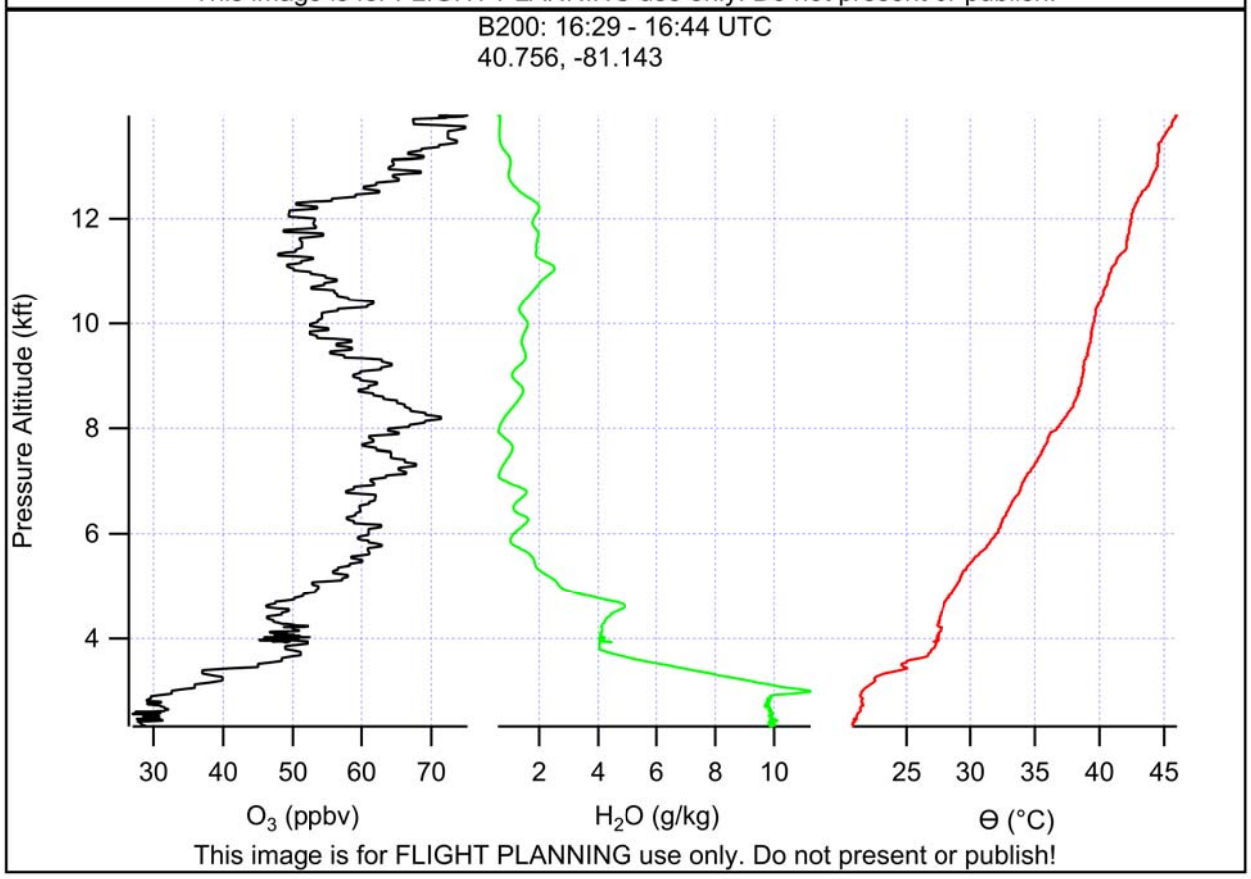
B200: 16:29 - 16:44 UTC
40.756, -81.143
Pressure Altitude (kft)
12
10
8
6
4
30 40 50 60 70
O3 (ppbv)
2 4 6 8 10
H2O (g/kg)
25 30 35 40 45
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!