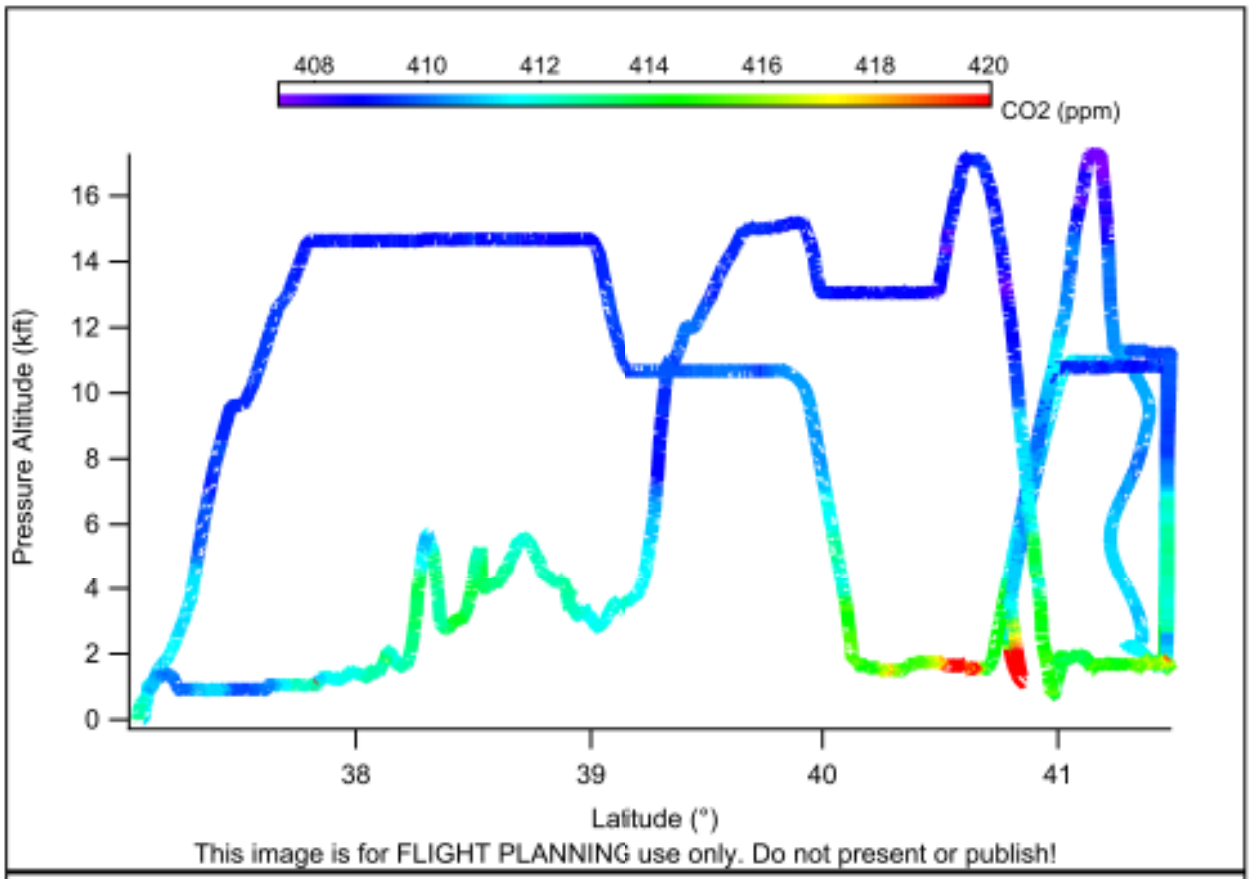
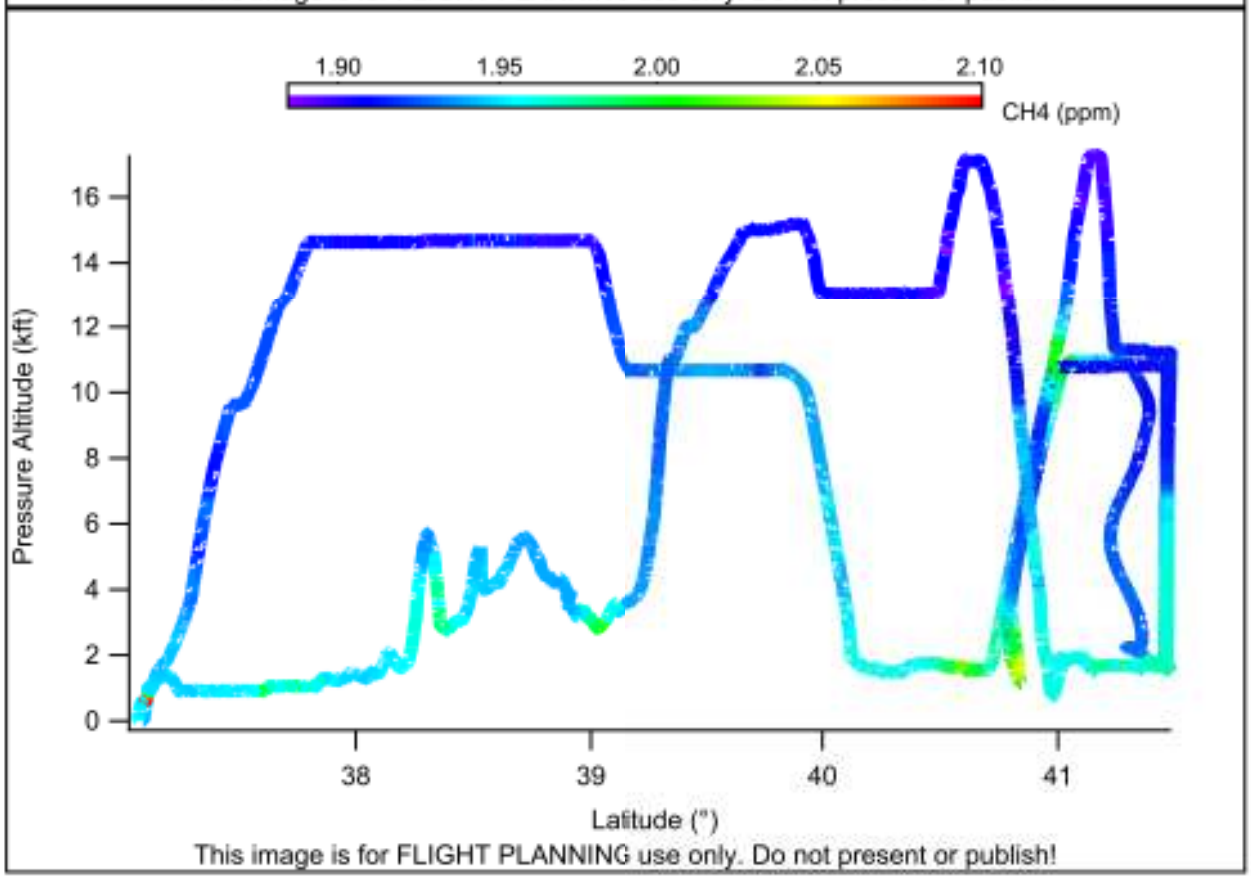
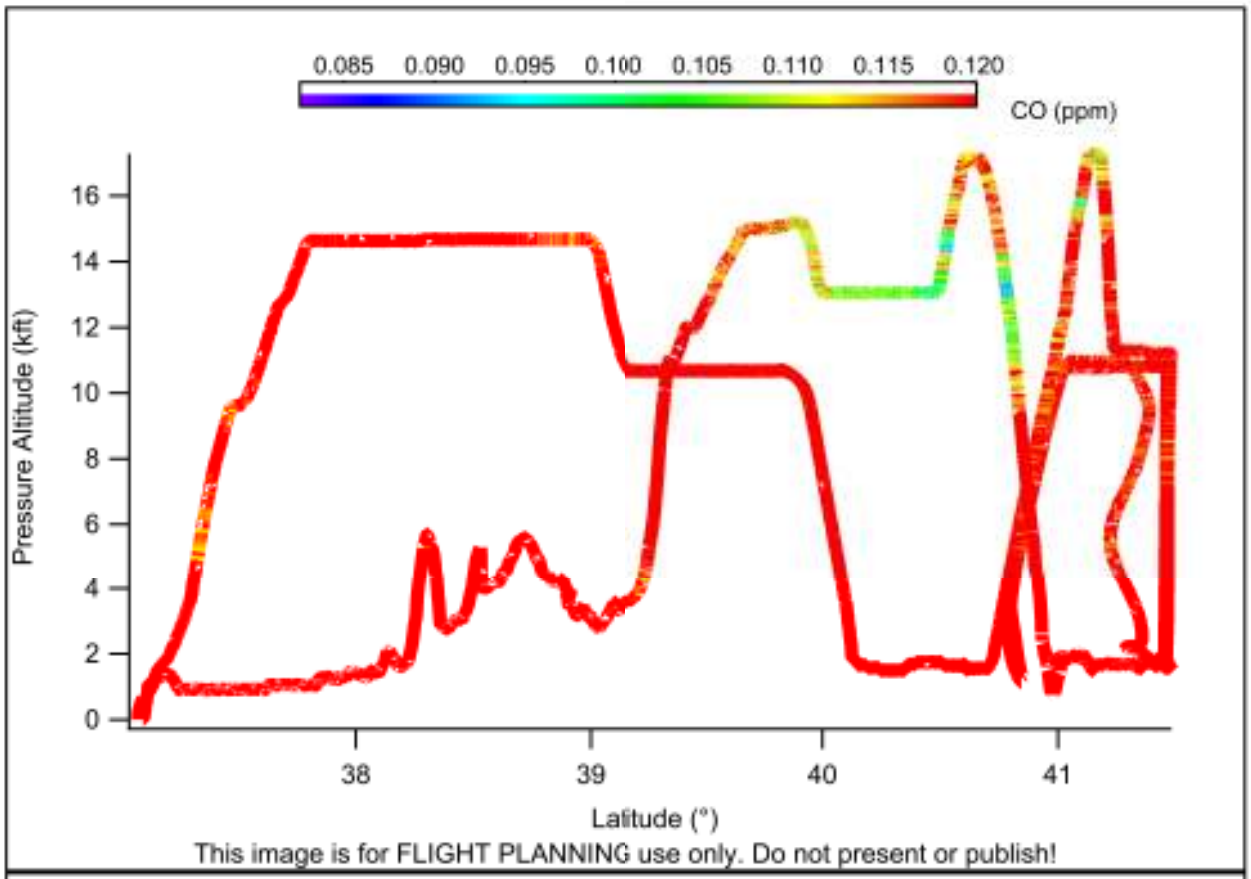
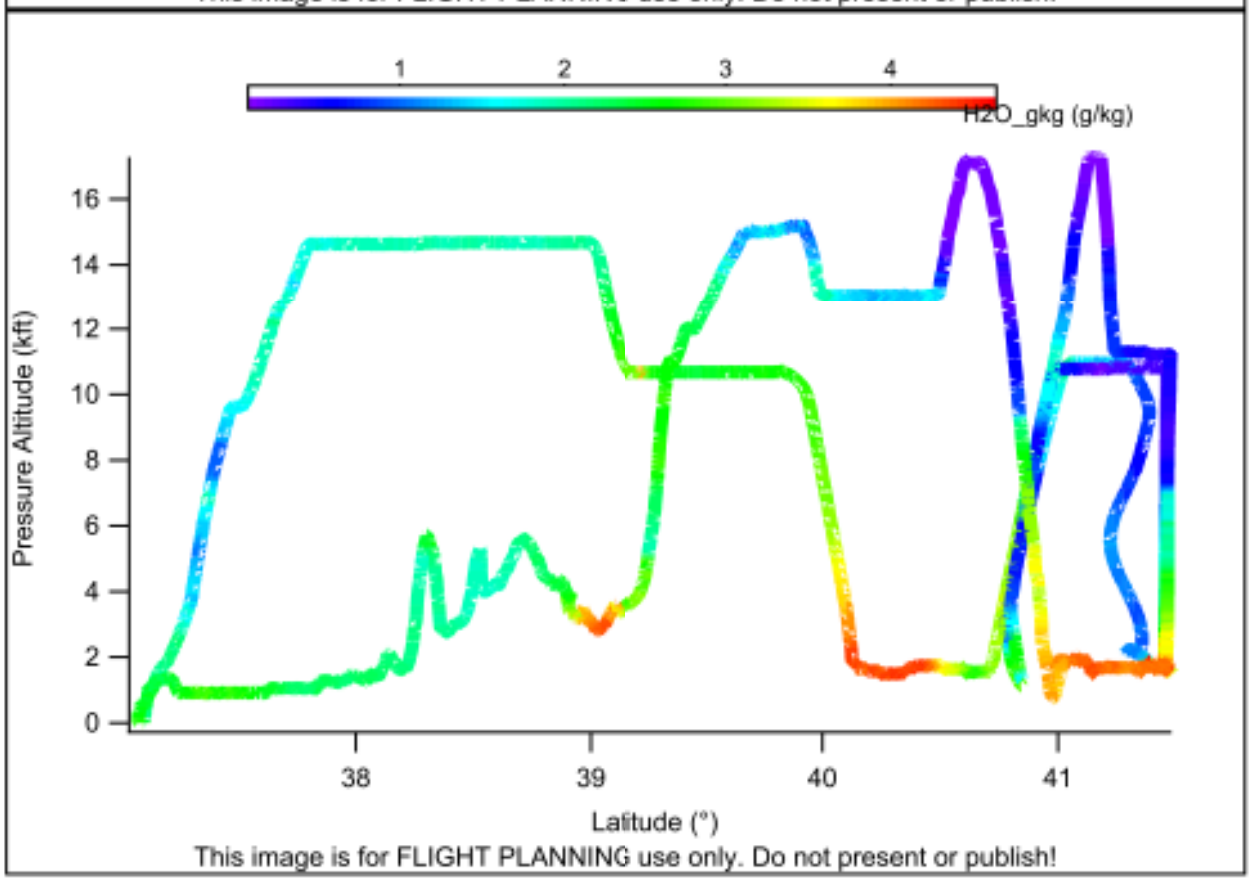
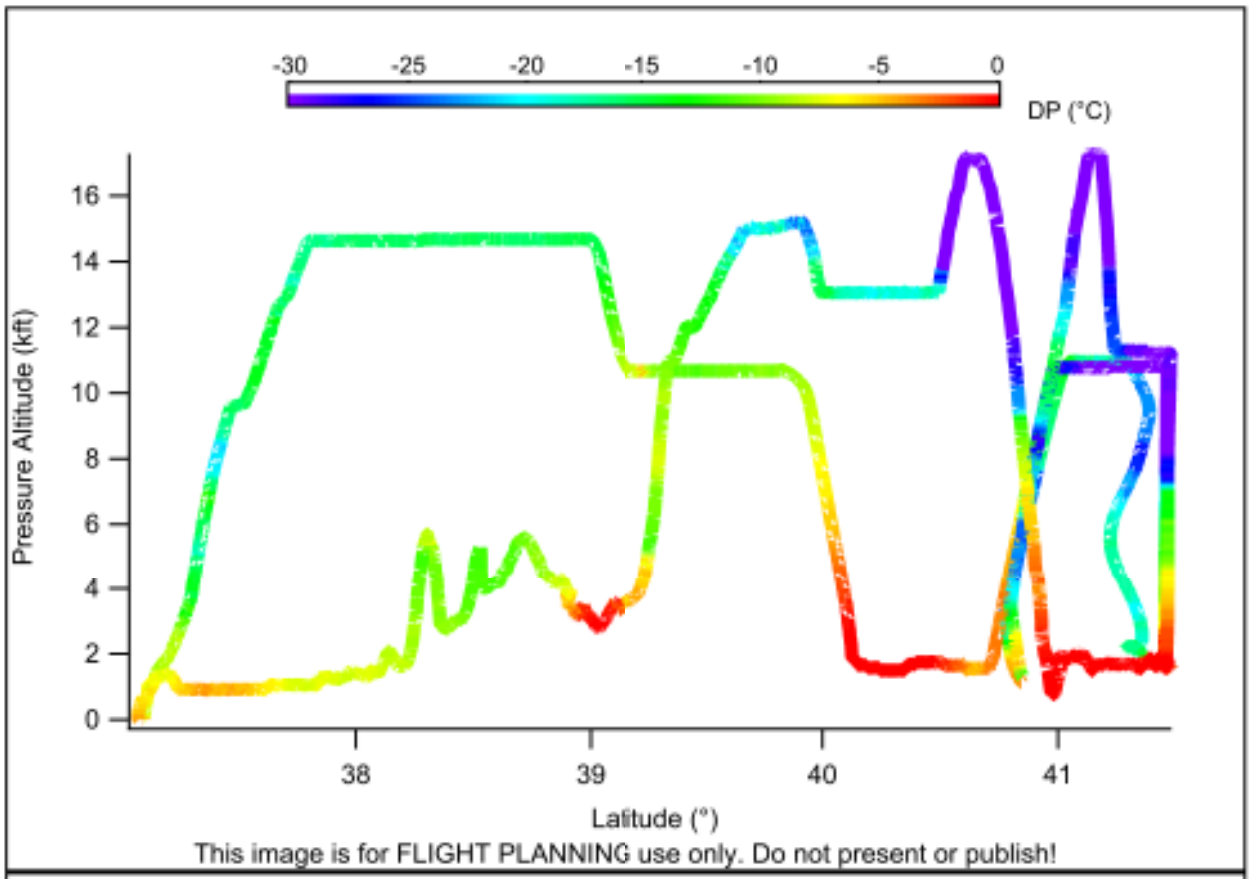
ACT-America 20170227

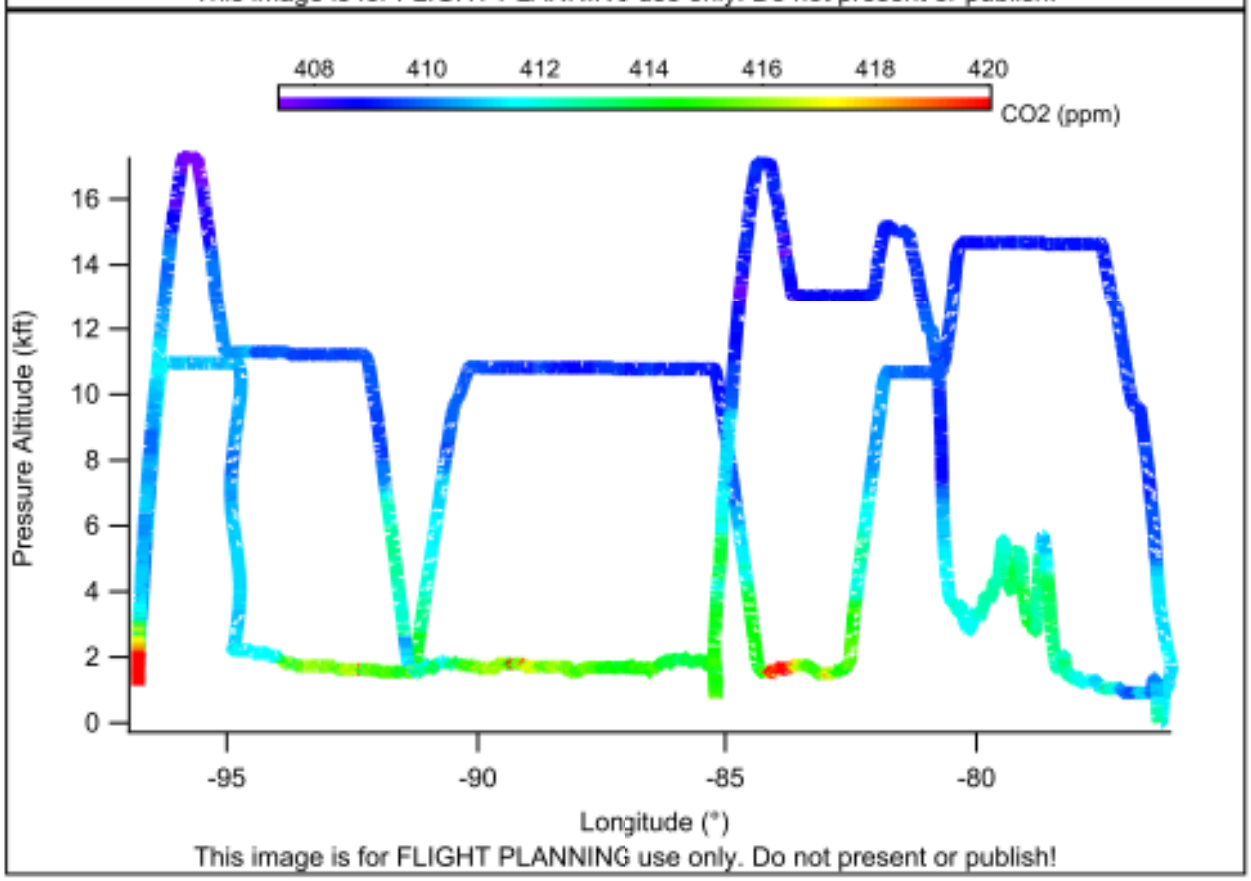

408
410
412
414
416
418
420
CO2 (ppm)
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
0
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

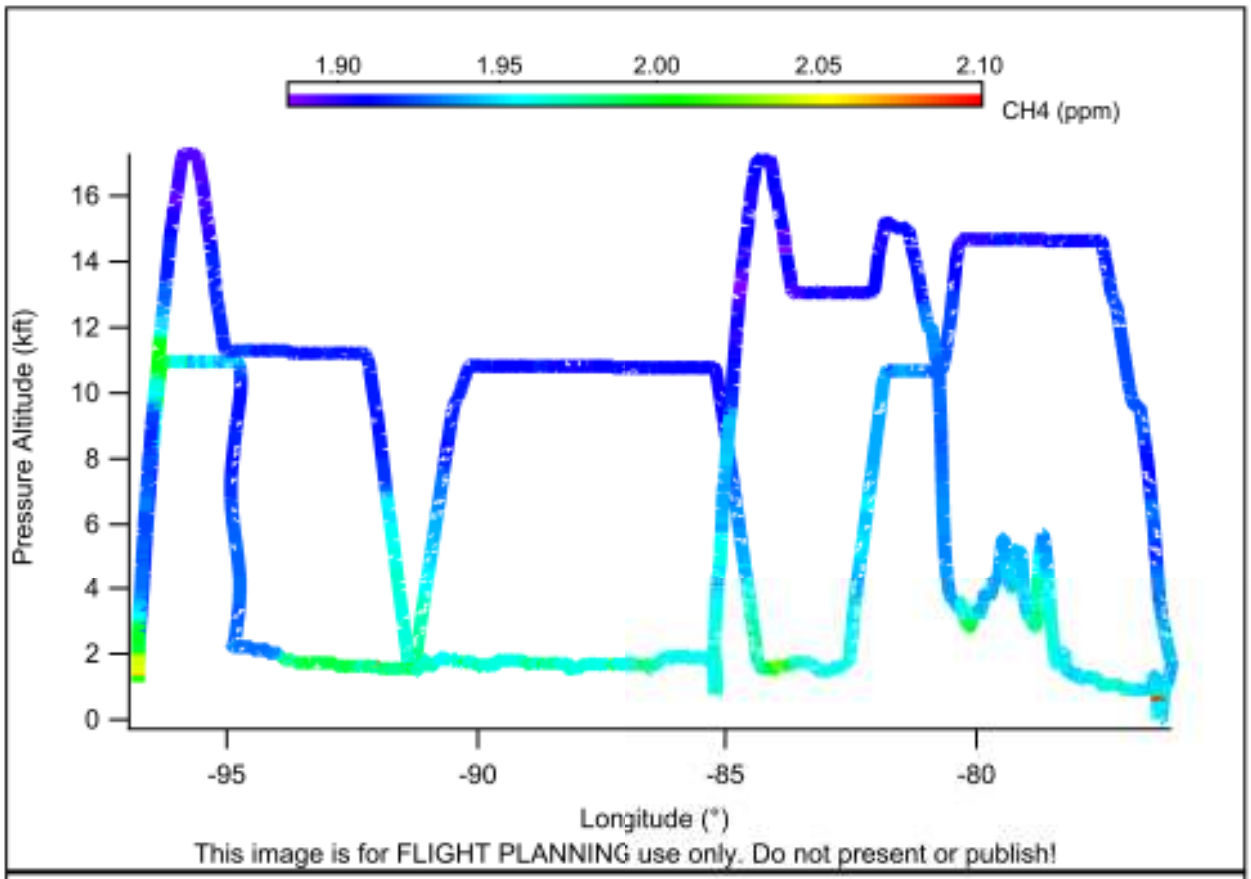

1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
0
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

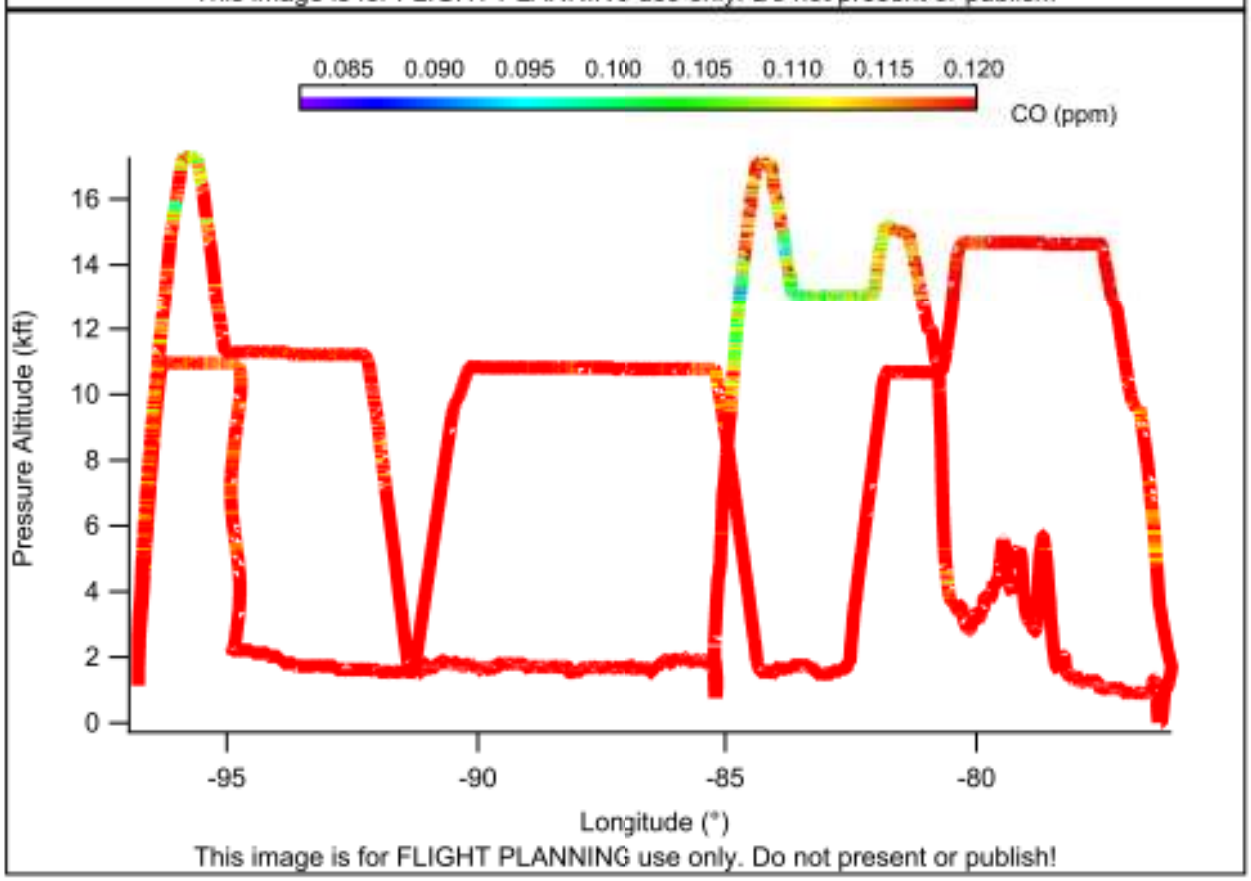

0.085 0.090 0.095 0.100 0.105 0.110 0.115 0.120
CO (ppm)
Pressure Altitude (kft)
0 2 4 6 8 10 12 14 16
38 39 40 41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

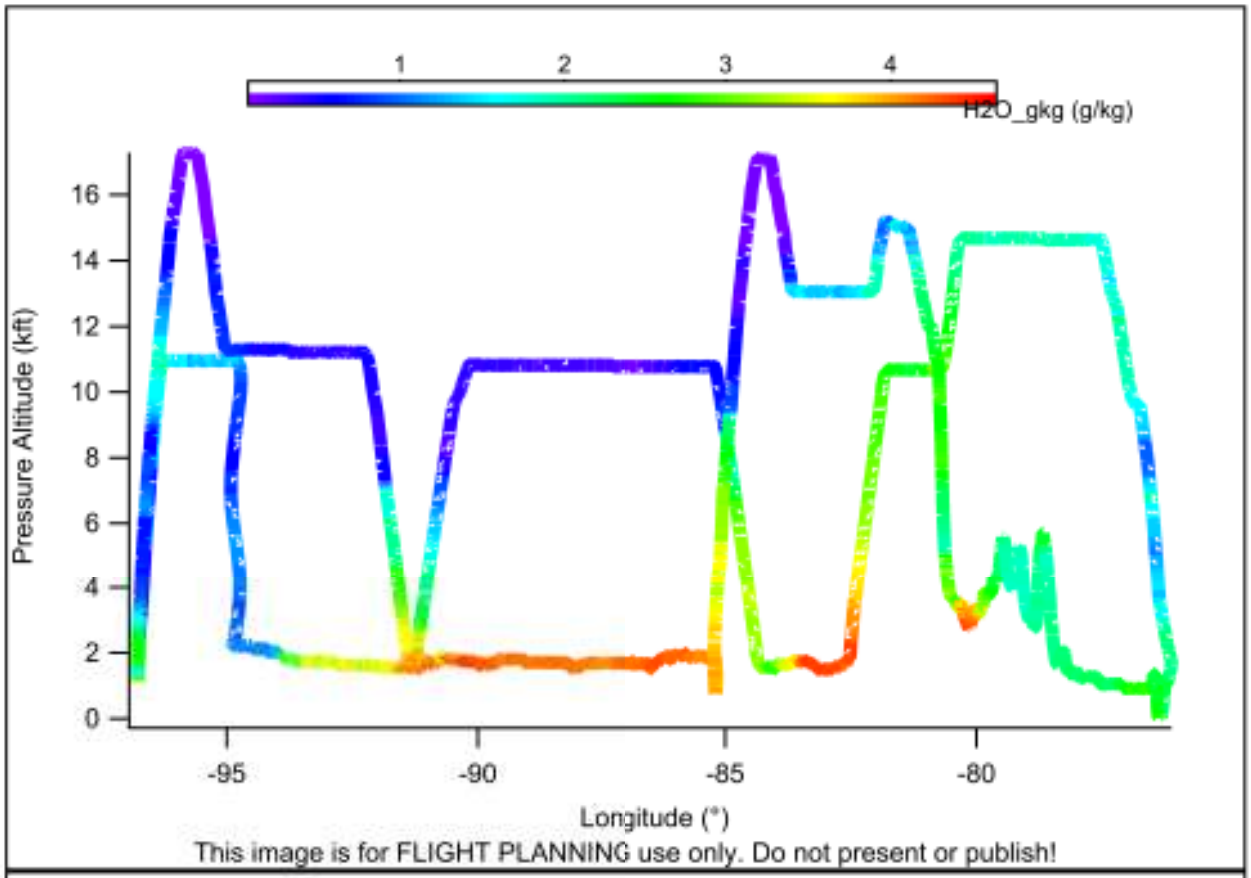

1 2 3 4
H2O_gkg (g/kg)
Pressure Altitude (kft)
0 2 4 6 8 10 12 14 16
38 39 40 41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

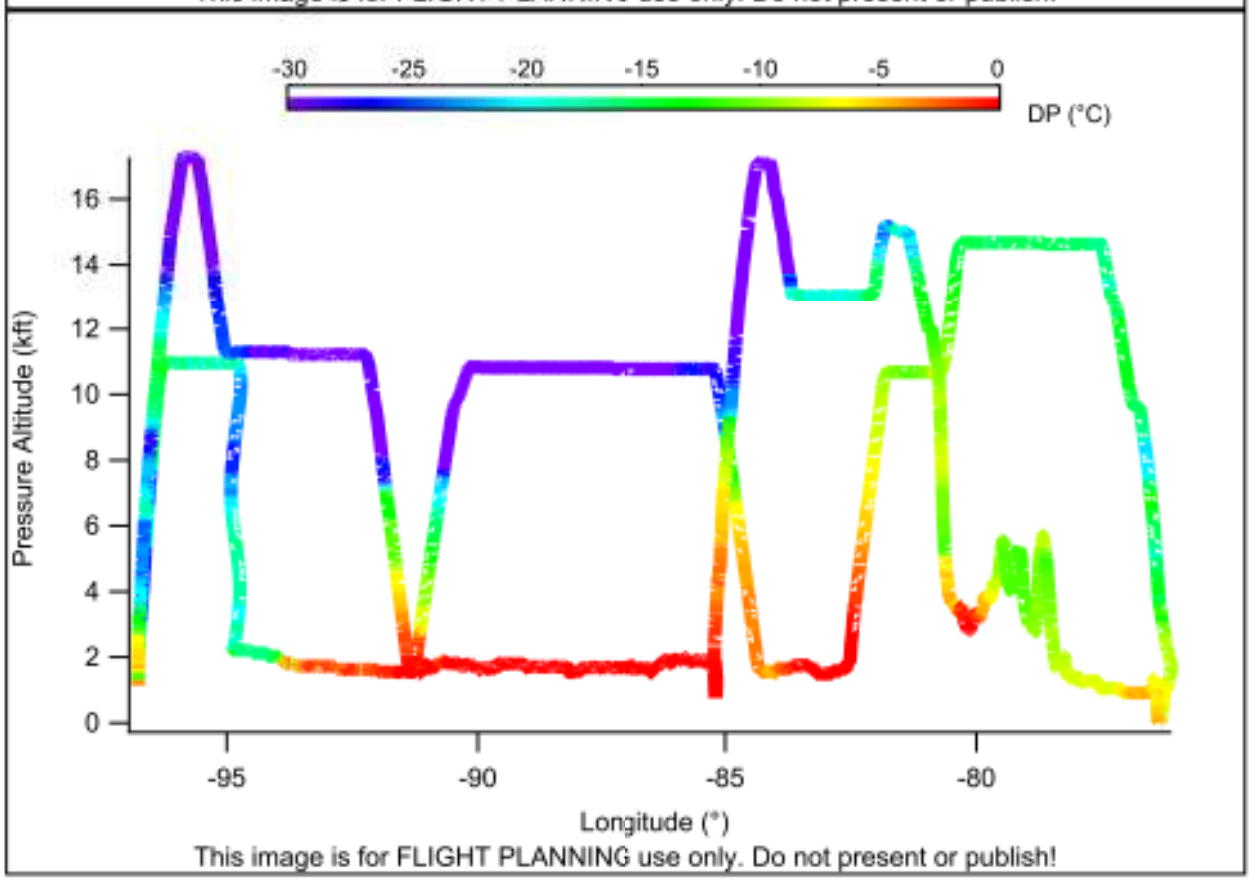

-30
-25
-20
-15
-10
-5
0
DP (°C)
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
0
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

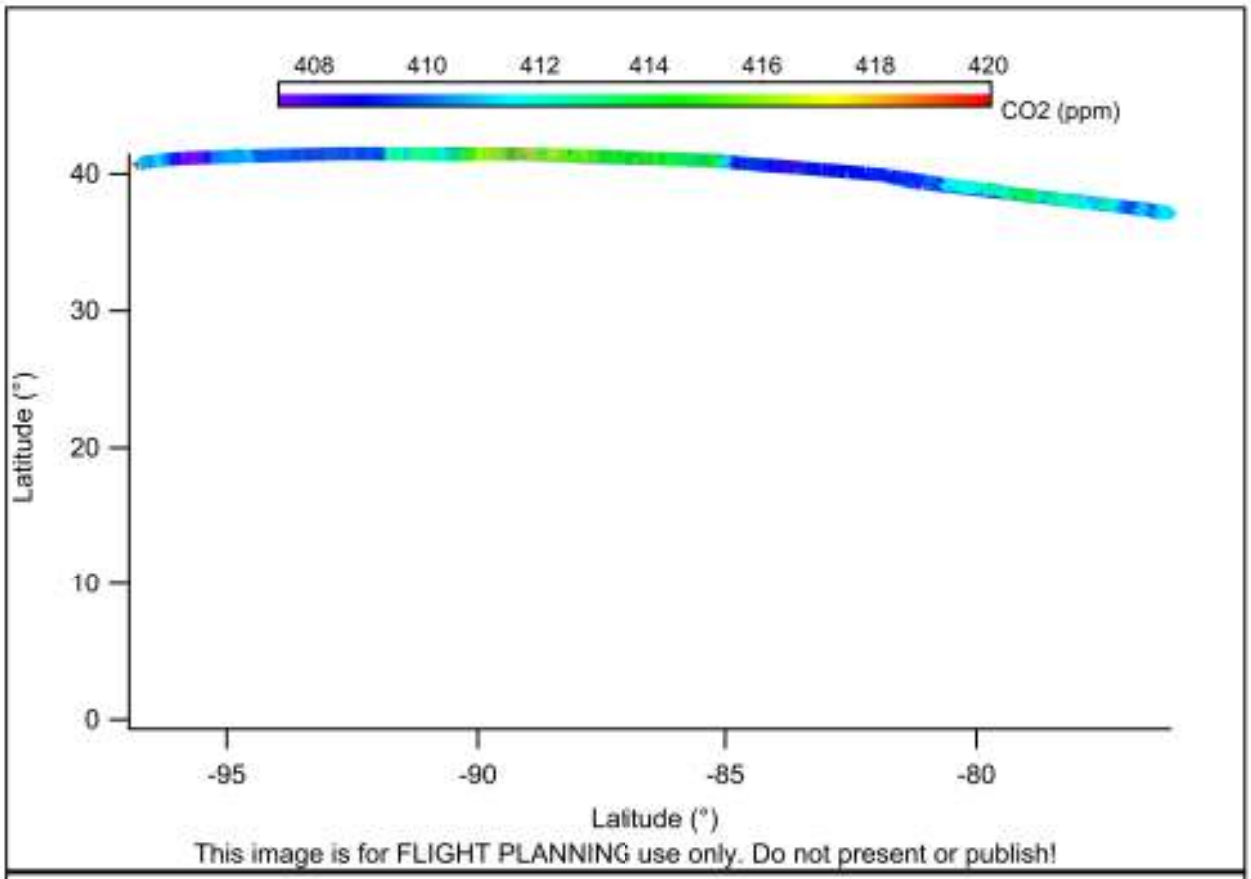

408
410
412
414
416
418
420
CO2 (ppm)
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
0
-95
-90
-85
-80
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

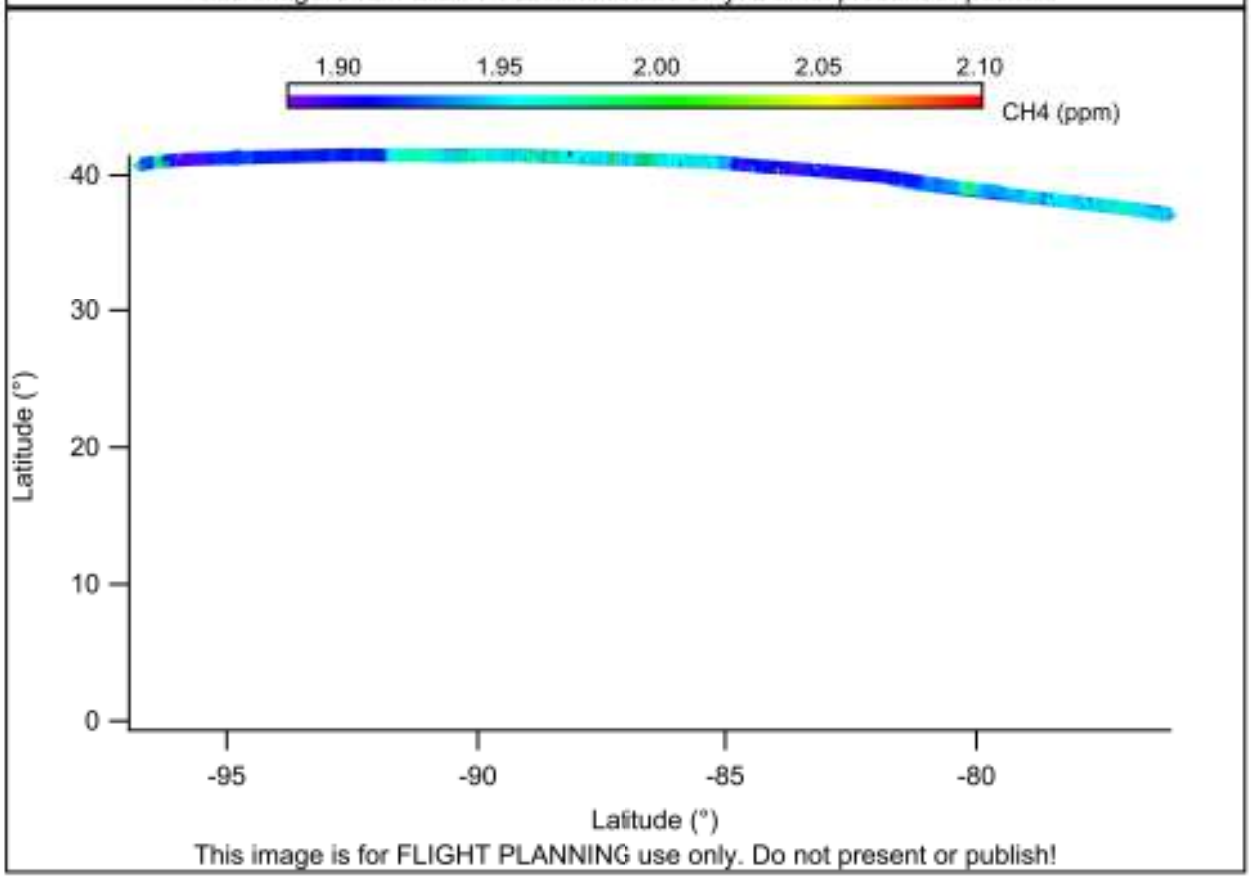

1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
0
-95
-90
-85
-80
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

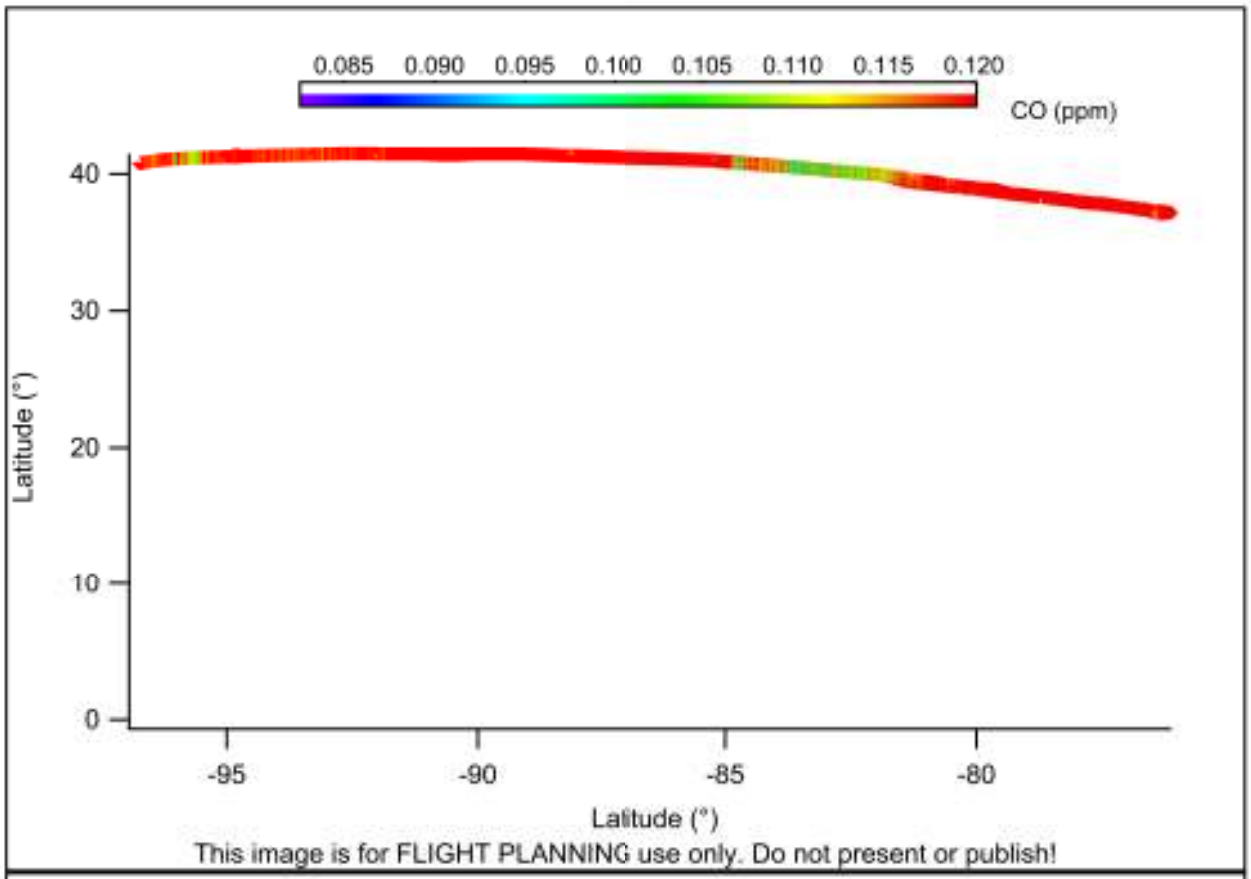

0.085
0.090
0.095
0.100
0.105
0.110
0.115
0.120
CO (ppm)
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
0
-95
-90
-85
-80
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

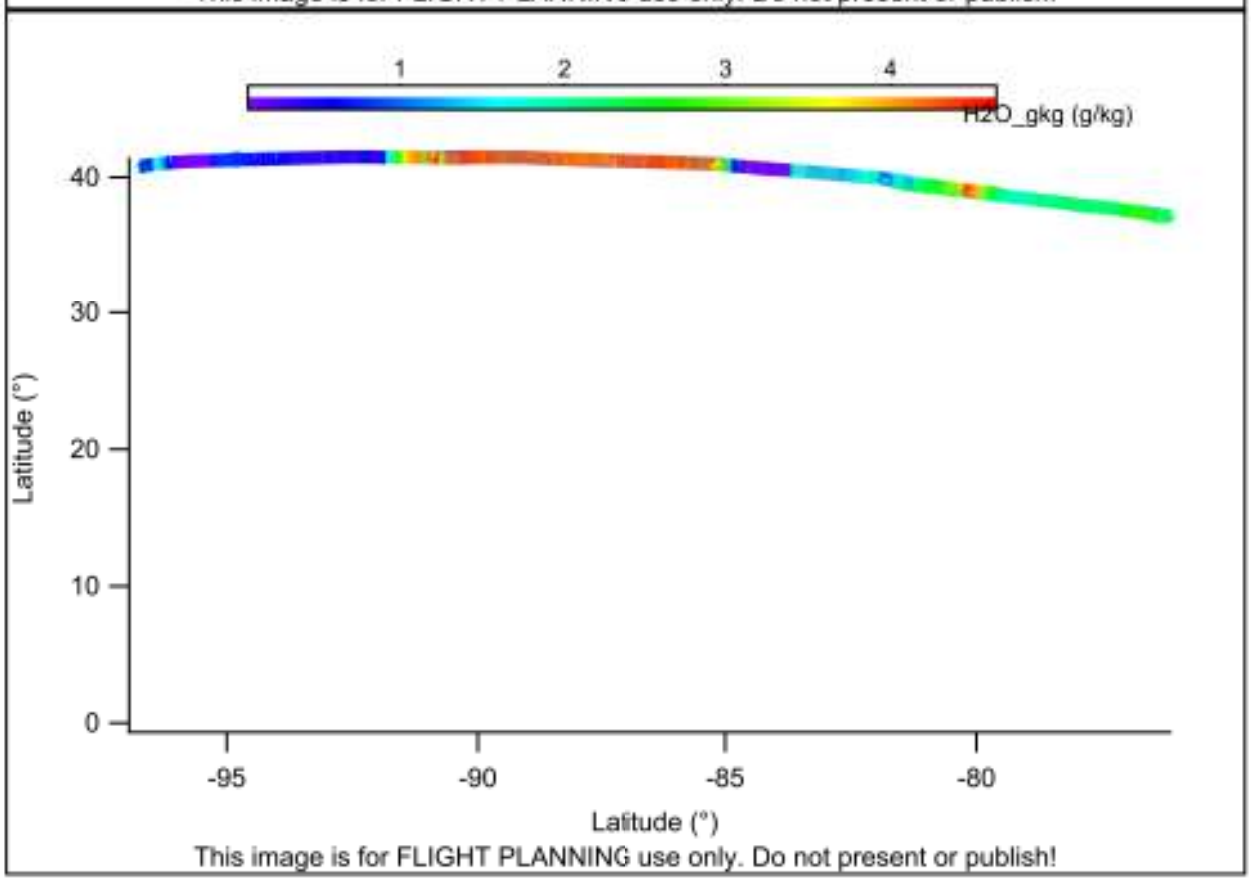

1
2
3
4
H2O_gkg (g/kg)
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
0
-95
-90
-85
-80
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

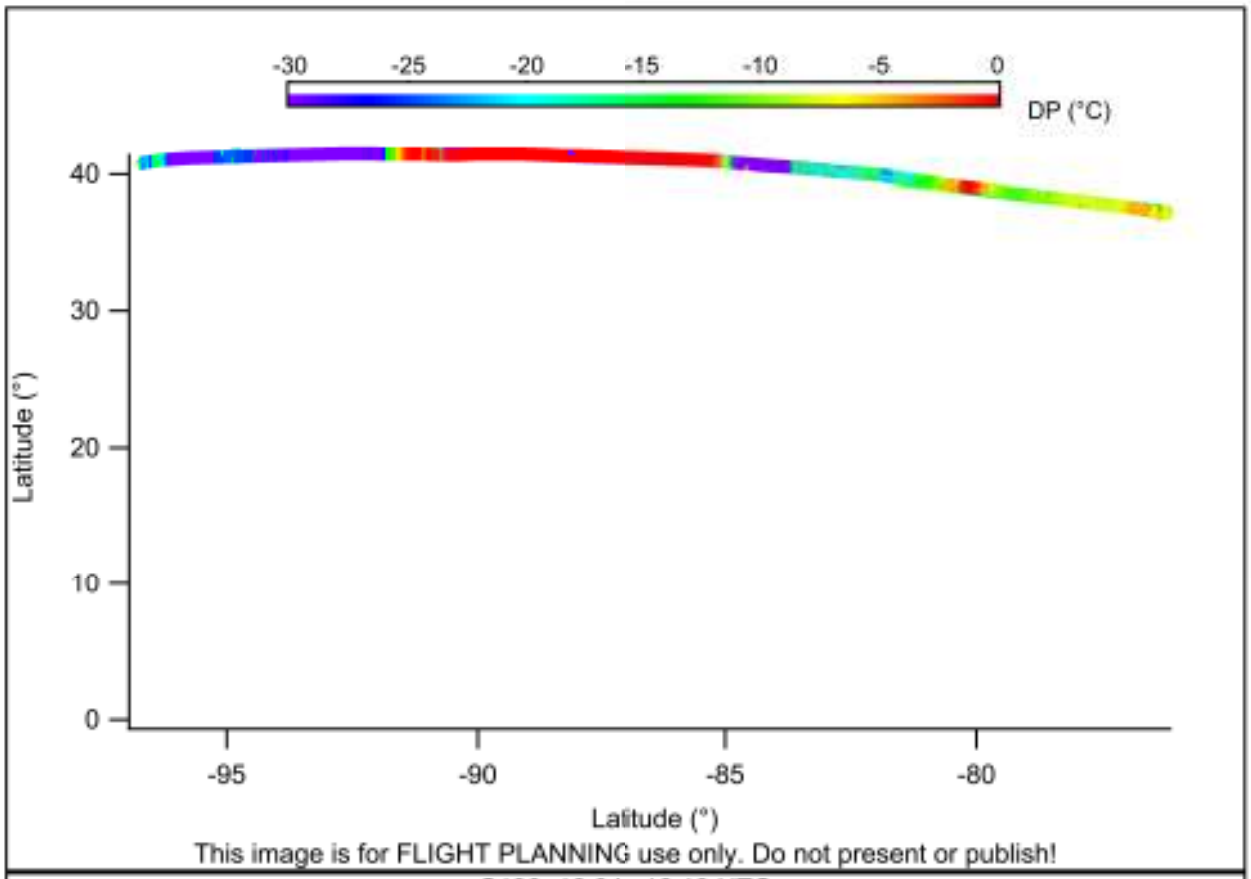

-30
-25
-20
-15
-10
-5
0
DP (°C)
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
0
-95
-90
-85
-80
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

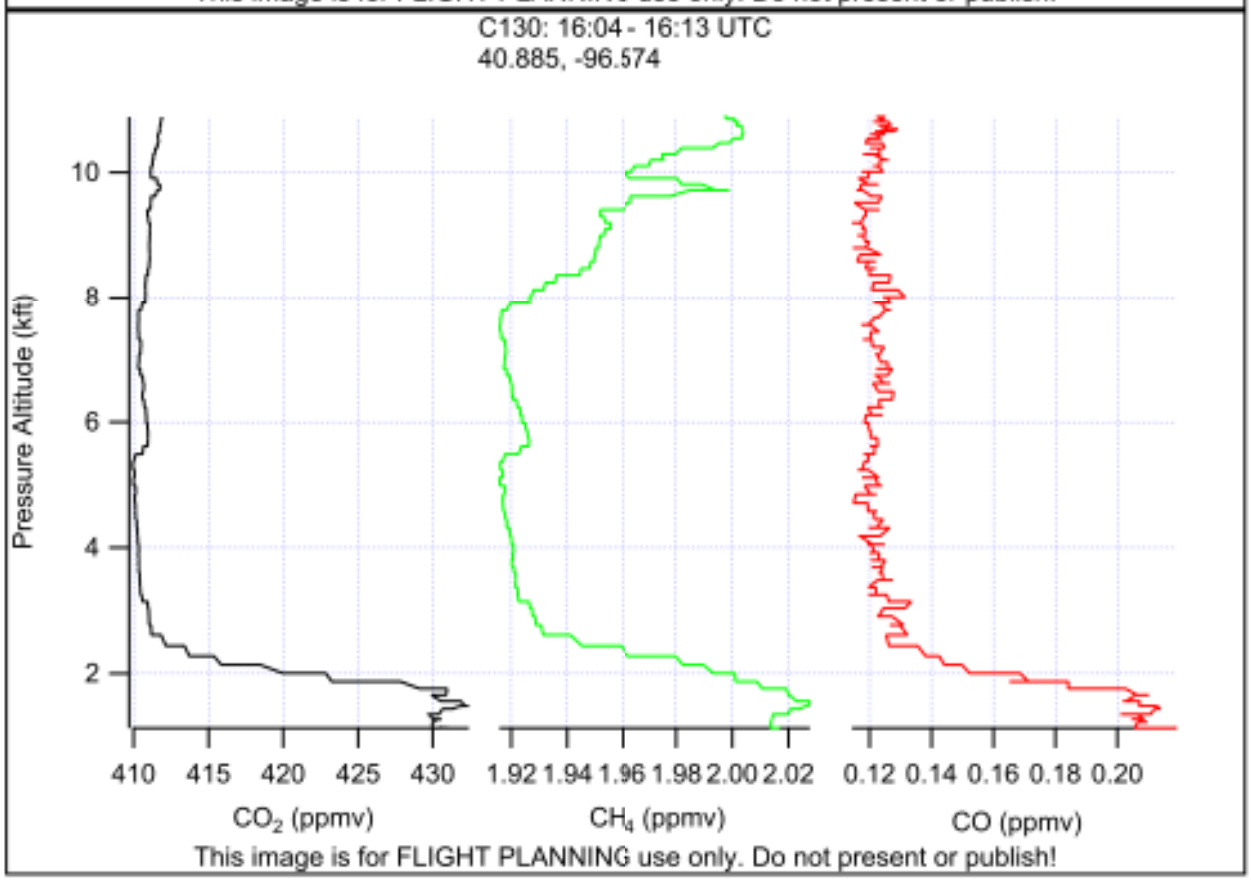

408
410
412
414
416
418
420
CO2 (ppm)
40
30
20
10
0
Latitude (°)
-95
-90
-85
-80
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

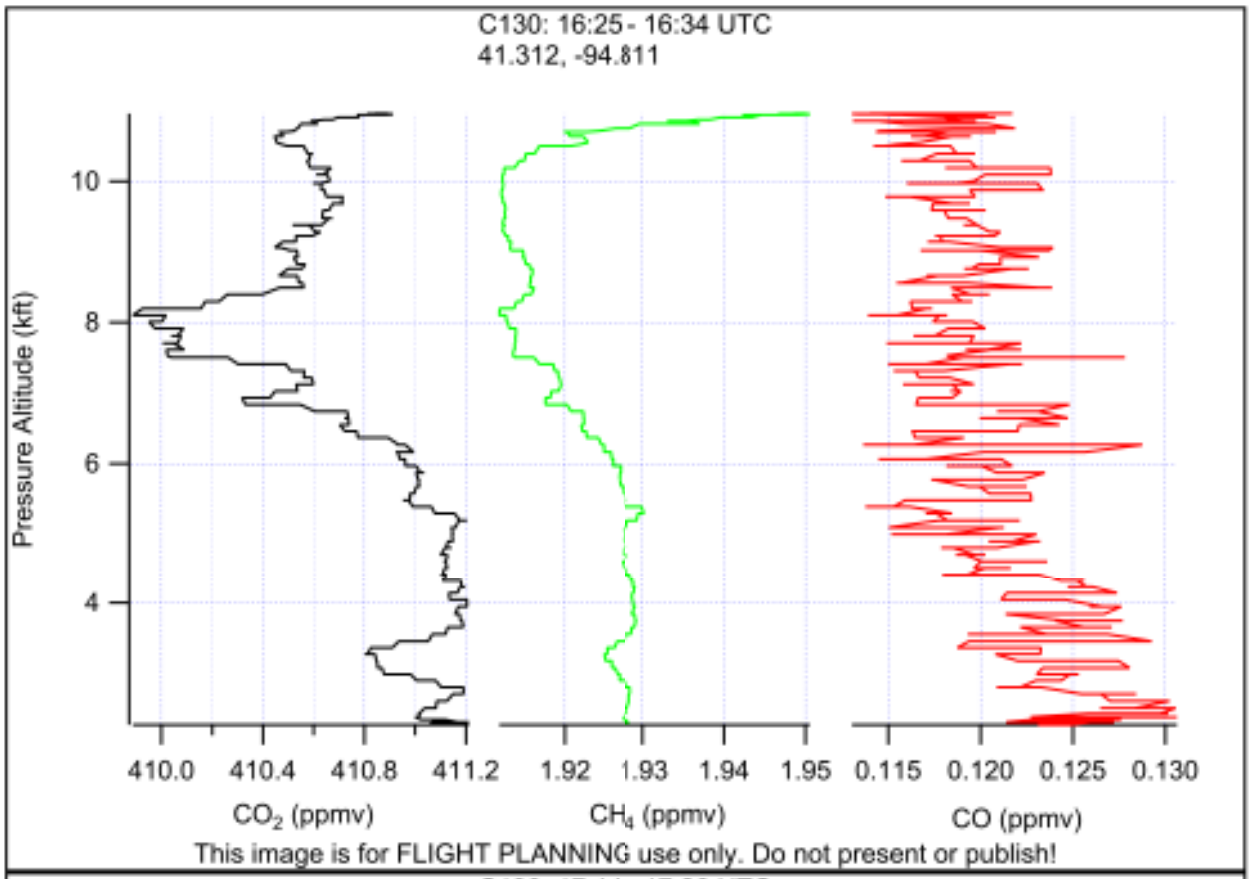

1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
40
30
20
10
0
Latitude (°)
-95
-90
-85
-80
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

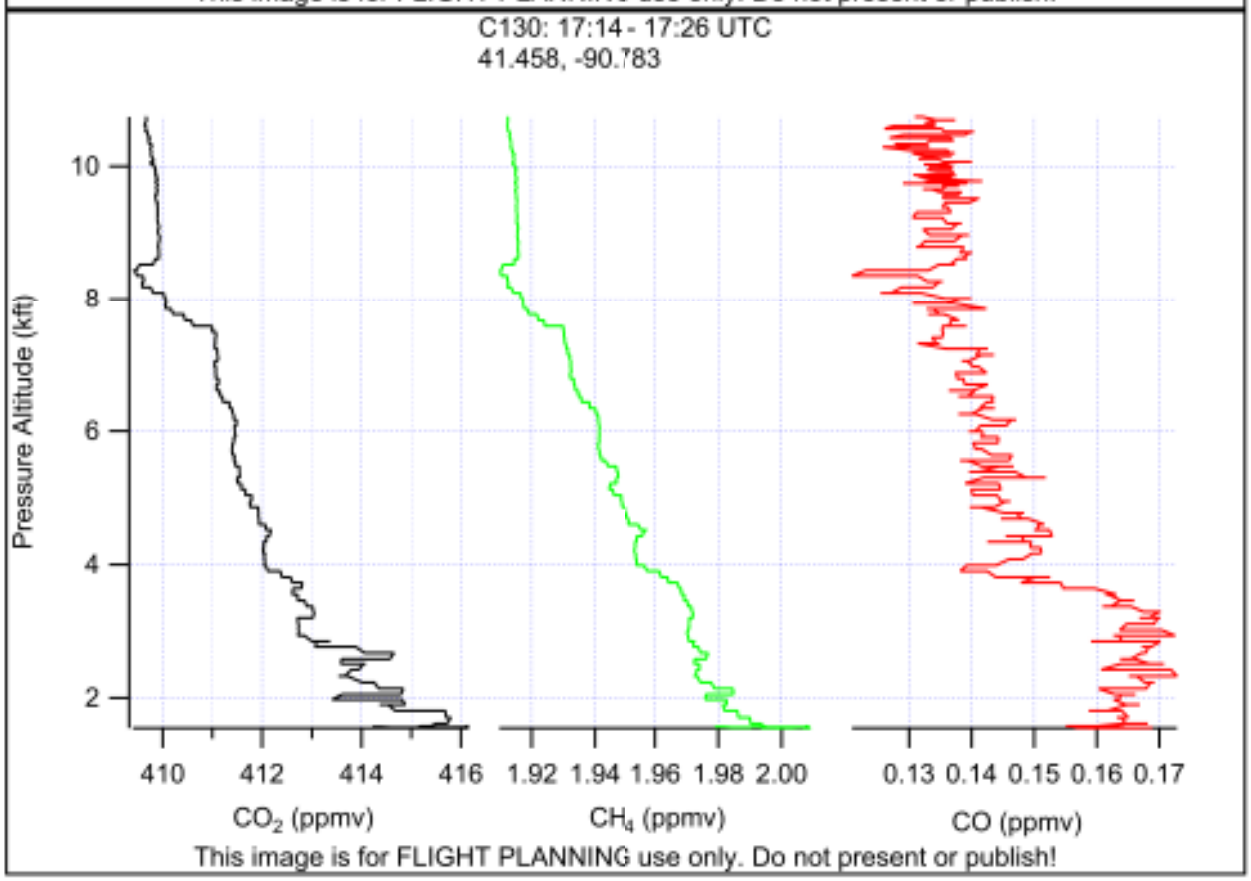

0.085 0.090 0.095 0.100 0.105 0.110 0.115 0.120
CO (ppm)
40
30
20
10
0
Latitude (°)
-95
-90
-85
-80
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

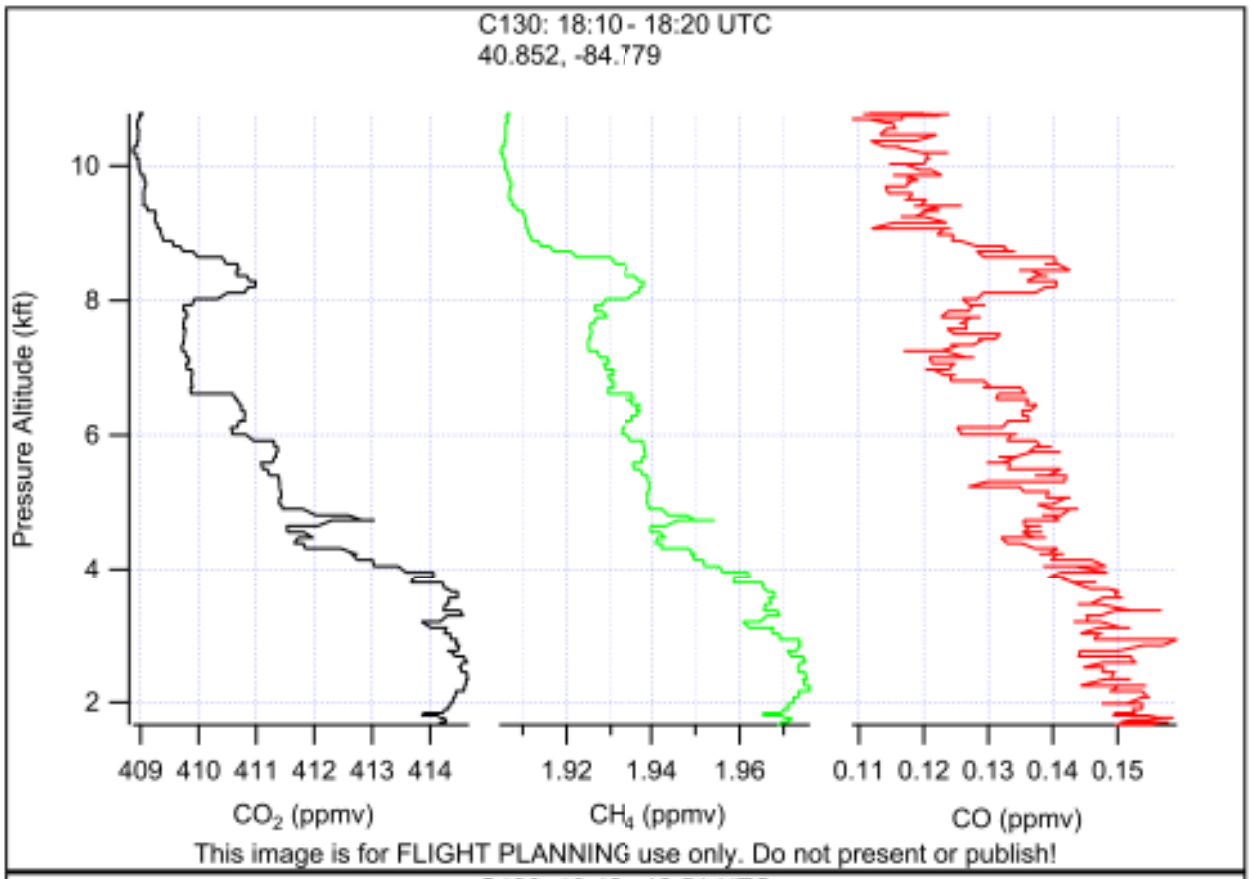

1 2 3 4
H2O_gkg (g/kg)
40
30
20
10
0
Latitude (°)
-95
-90
-85
-80
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

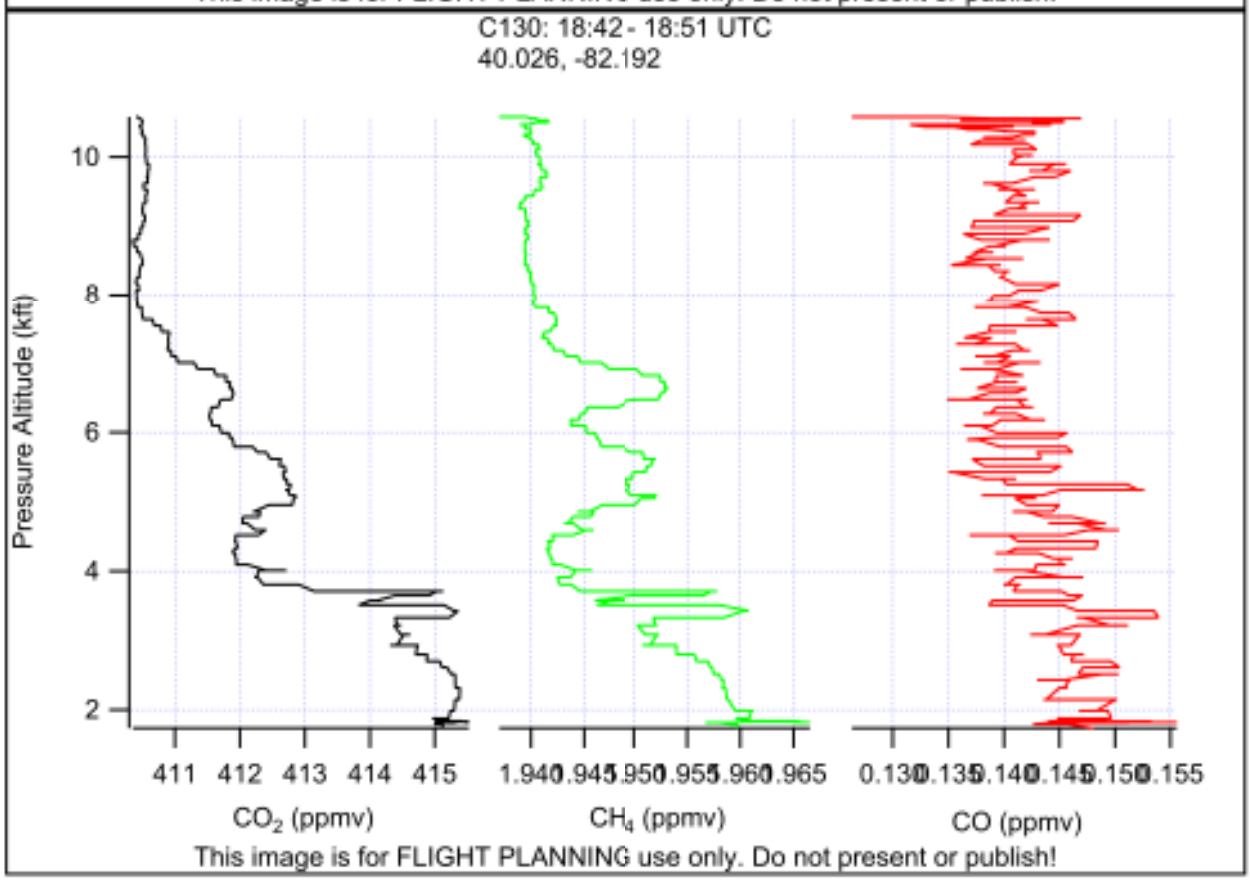

-30
-25
-20
-15
-10
-5
0
DP (°C)
40
30
20
10
0
Latitude (°)
-95
-90
-85
-80
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

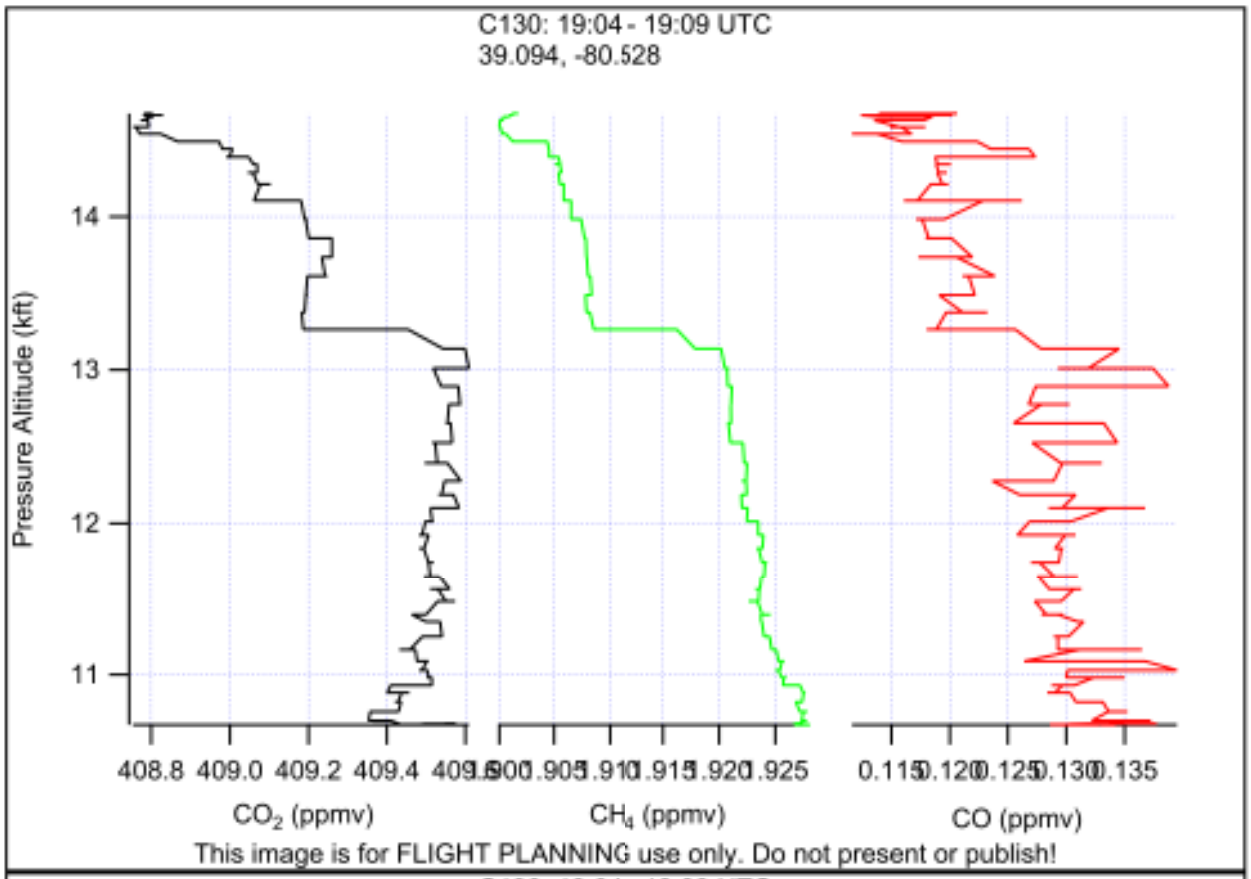

C130: 16:04 - 16:13 UTC
40.885, -96.574
10
8
6
4
2
Pressure Altitude (kft)
410 415 420 425 430
CO2 (ppmv)
1.92 1.94 1.96 1.98 2.00 2.02
CH4 (ppmv)
0.12 0.14 0.16 0.18 0.20
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

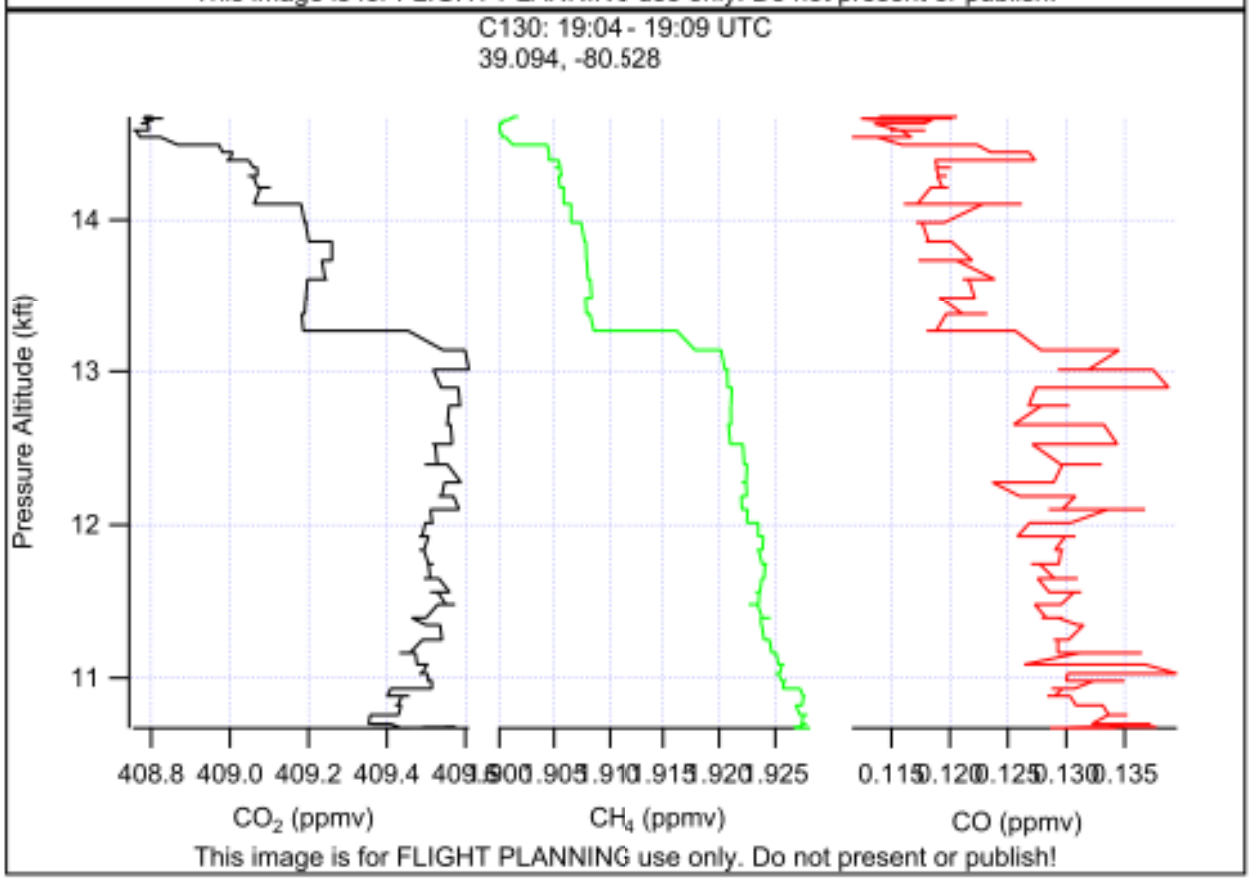

C130: 16:25 - 16:34 UTC
41.312, -94.811
Pressure Altitude (kft)
10
8
6
4
410.0
410.4
410.8
411.2
CO2 (ppmv)
1.92
1.93
1.94
1.95
CH4 (ppmv)
0.115
0.120
0.125
0.130
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

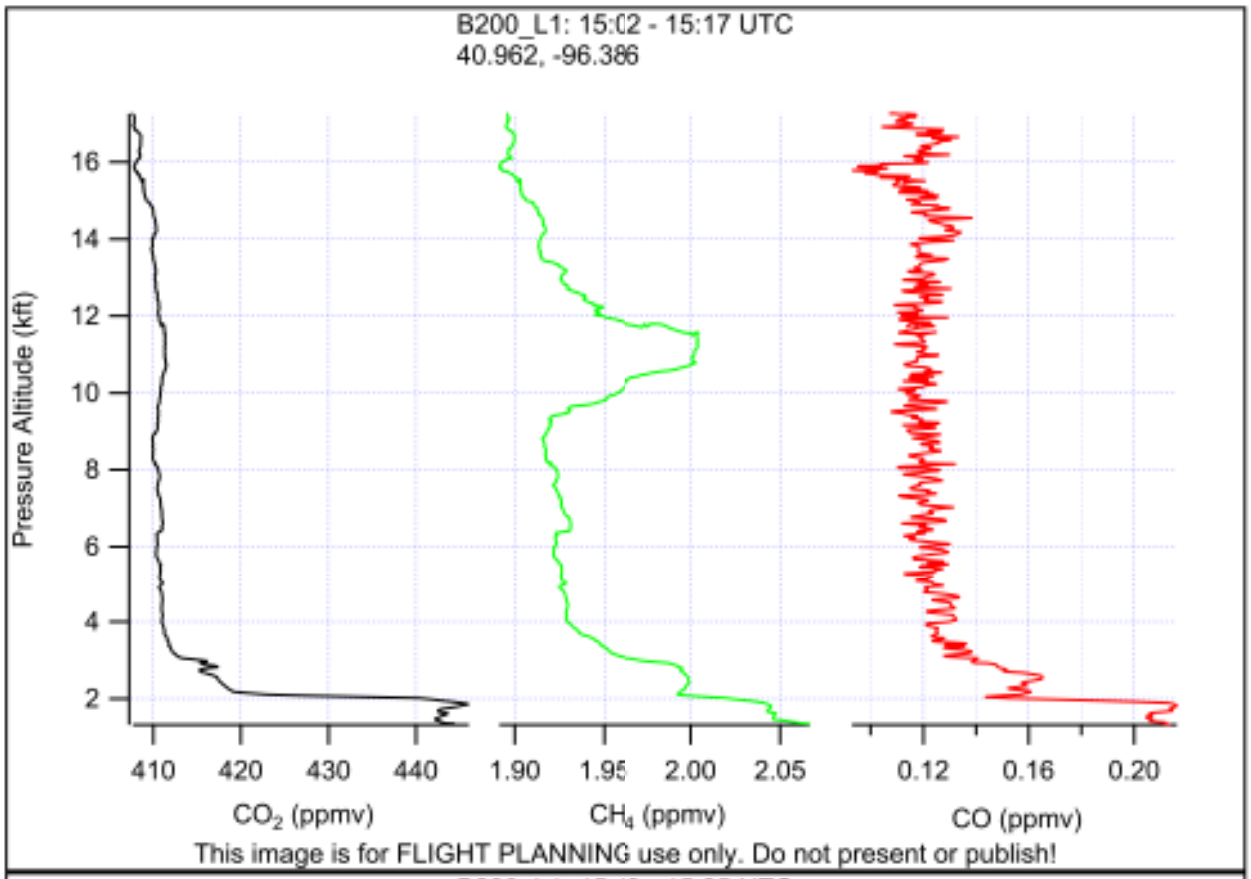

C130: 17:14 - 17:26 UTC
41.458, -90.783
Pressure Altitude (kft)
10
8
6
4
2
410
412
414
416
CO2 (ppmv)
1.92
1.94
1.96
1.98
2.00
CH4 (ppmv)
0.13
0.14
0.15
0.16
0.17
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

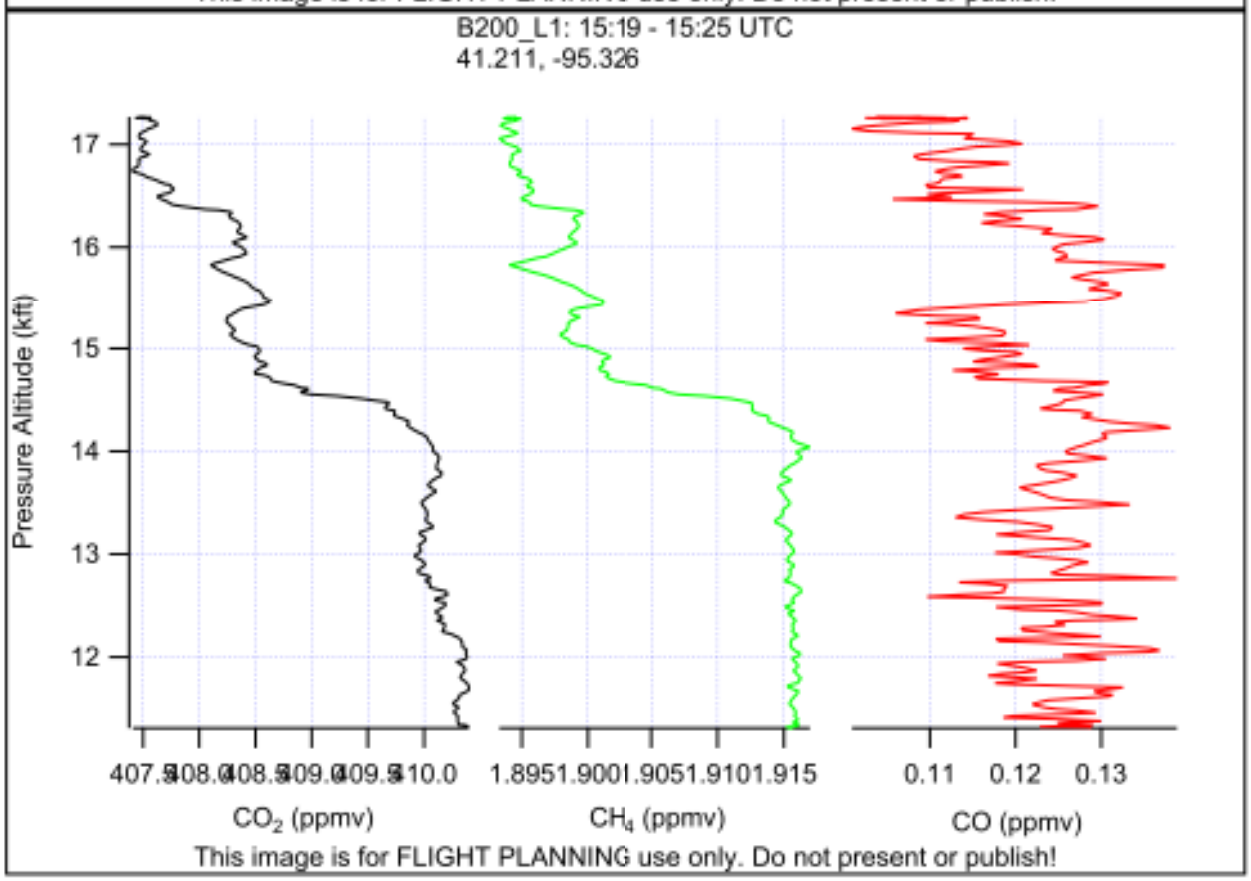

C130: 18:10 - 18:20 UTC
40.852, -84.779
Pressure Altitude (kft)
10
8
6
4
2
409 410 411 412 413 414
CO2 (ppmv)
1.92 1.94 1.96
CH4 (ppmv)
0.11 0.12 0.13 0.14 0.15
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

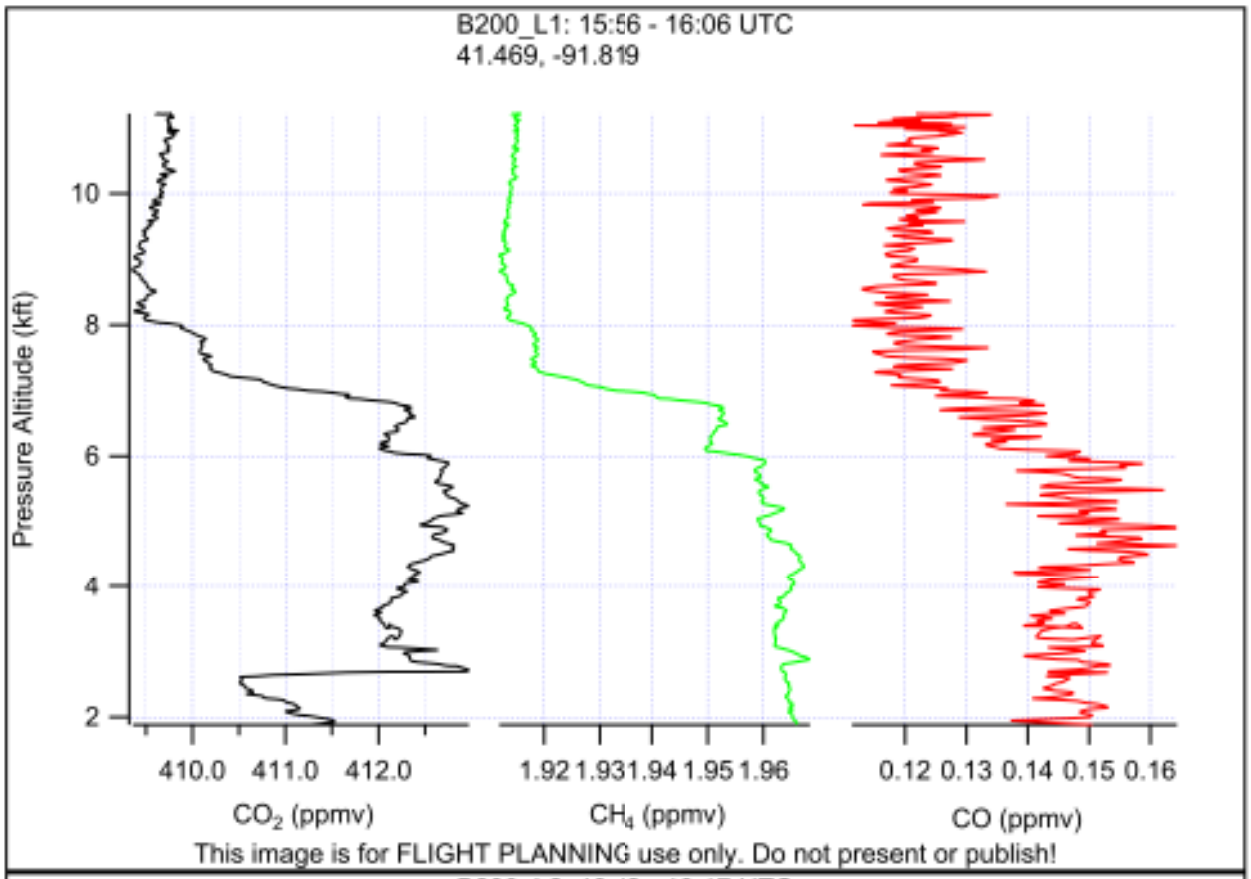

C130: 18:42 - 18:51 UTC
40.026, -82.192
Pressure Altitude (kft)
10
8
6
4
2
411 412 413 414 415
CO2 (ppmv)
1.940 1.945 1.950 1.955 1.960 1.965
CH4 (ppmv)
0.130 0.135 0.140 0.145 0.150 0.155
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

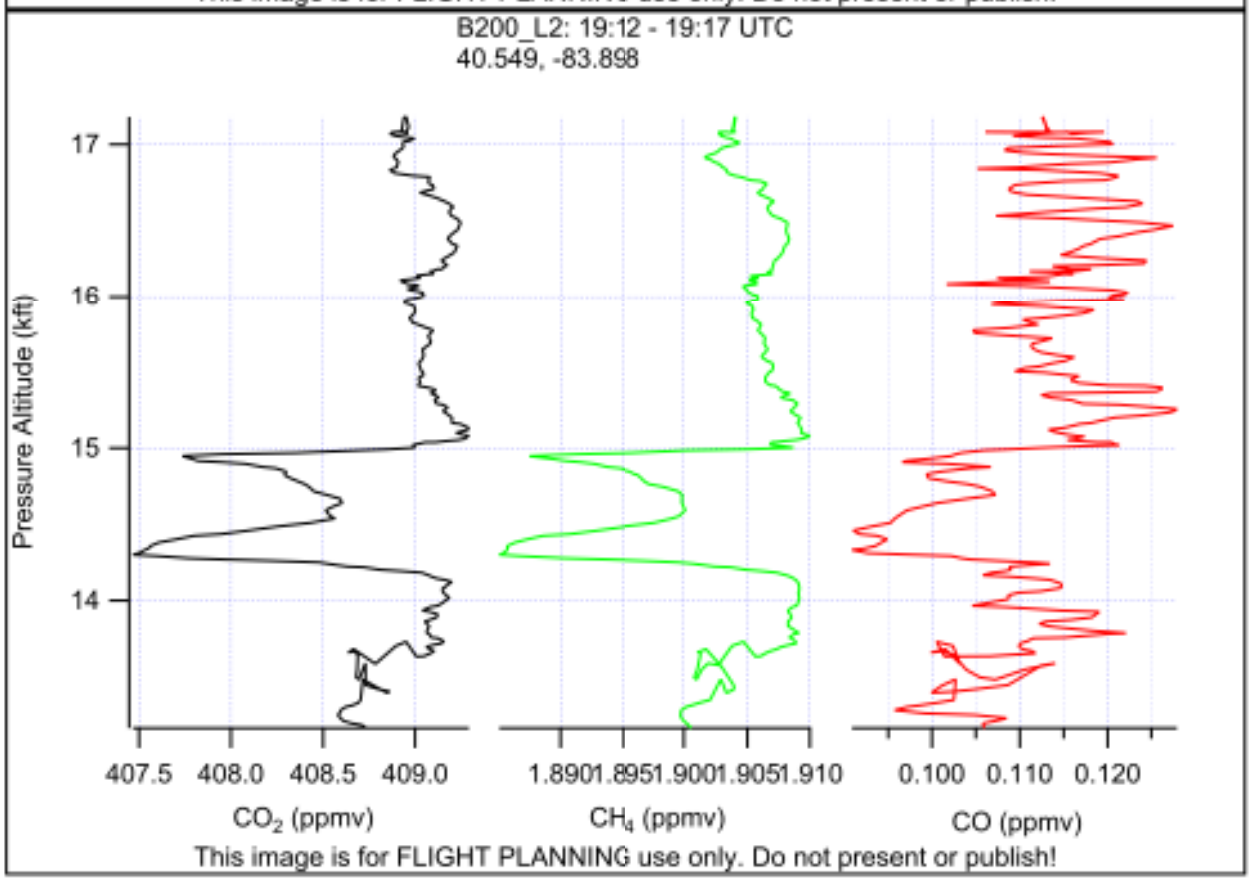

C130: 19:04 - 19:09 UTC
39.094, -80.528
Pressure Altitude (kft)
14
13
12
11
408.8 409.0 409.2 409.4
CO2 (ppmv)
CH4 (ppmv)
0.115 0.120 0.125 0.130 0.135
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 19:04 - 19:09 UTC
39.094, -80.528
Pressure Altitude (kft)
14
13
12
11
408.8 409.0 409.2 409.4
CO2 (ppmv)
CH4 (ppmv)
0.115 0.120 0.125 0.130 0.135
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 15:02 - 15:17 UTC
40.962, -96.386
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
410
420
430
440
1.90
1.95
2.00
2.05
0.12
0.16
0.20
CO2 (ppmv)
CH4 (ppmv)
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 15:19 - 15:25 UTC
41.211, -95.326
Pressure Altitude (kft)
17
16
15
14
13
12
407.5
408.0
408.5
409.0
409.5
410.0
1.895
1.900
1.905
1.910
1.915
0.11
0.12
0.13
CO2 (ppmv)
CH4 (ppmv)
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 15:56 - 16:06 UTC
41.469, -91.819
Pressure Altitude (kft)
10
8
6
4
2
410.0 411.0 412.0
CO2 (ppmv)
1.92 1.93 1.94 1.95 1.96
CH4 (ppmv)
0.12 0.13 0.14 0.15 0.16
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!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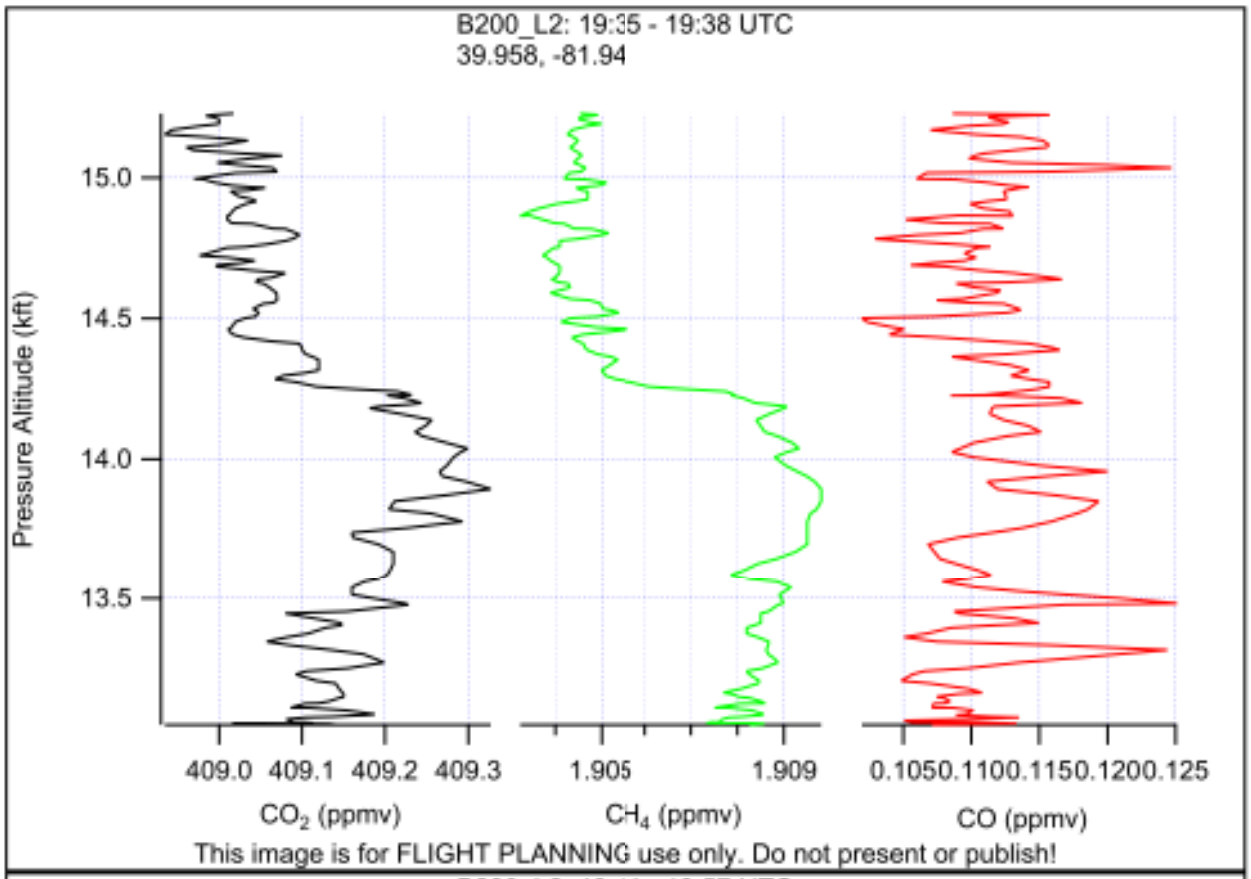
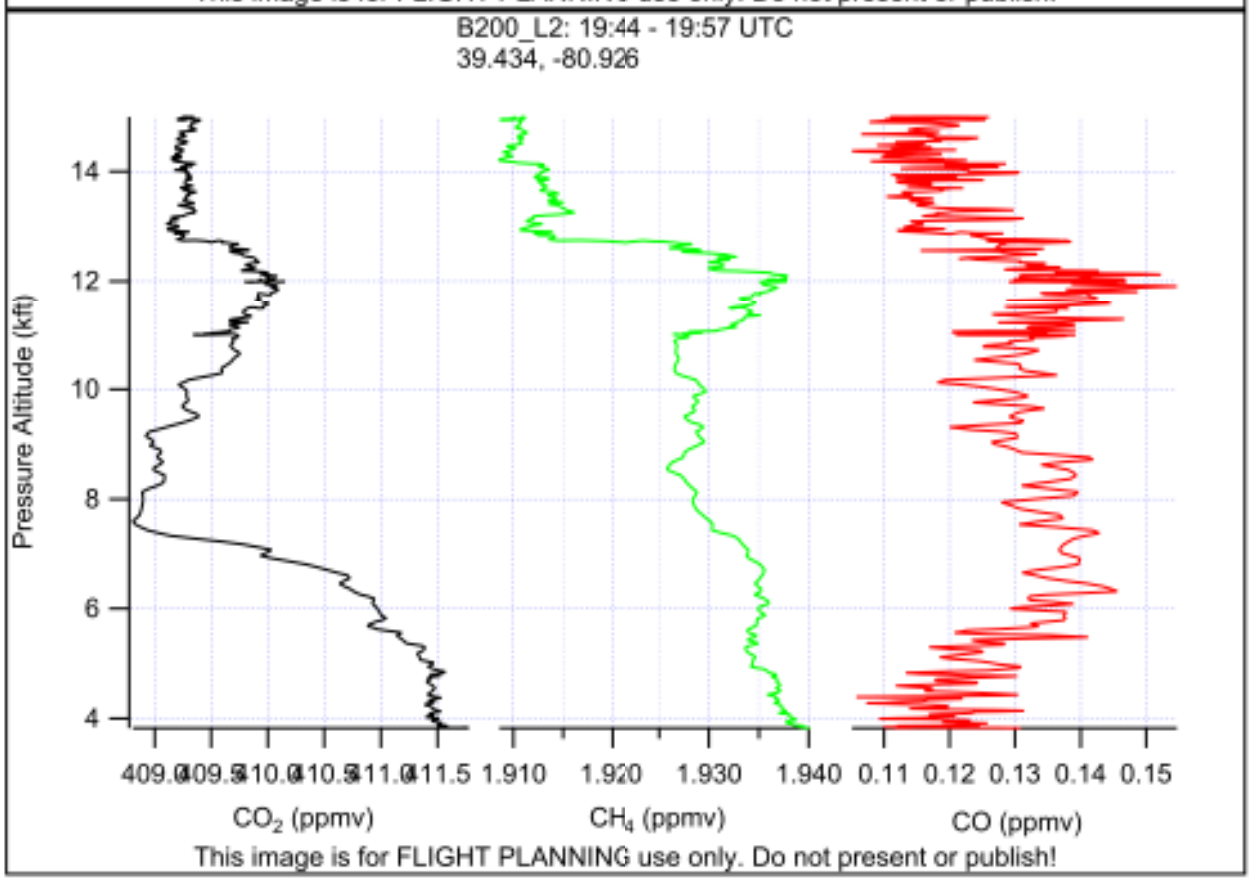
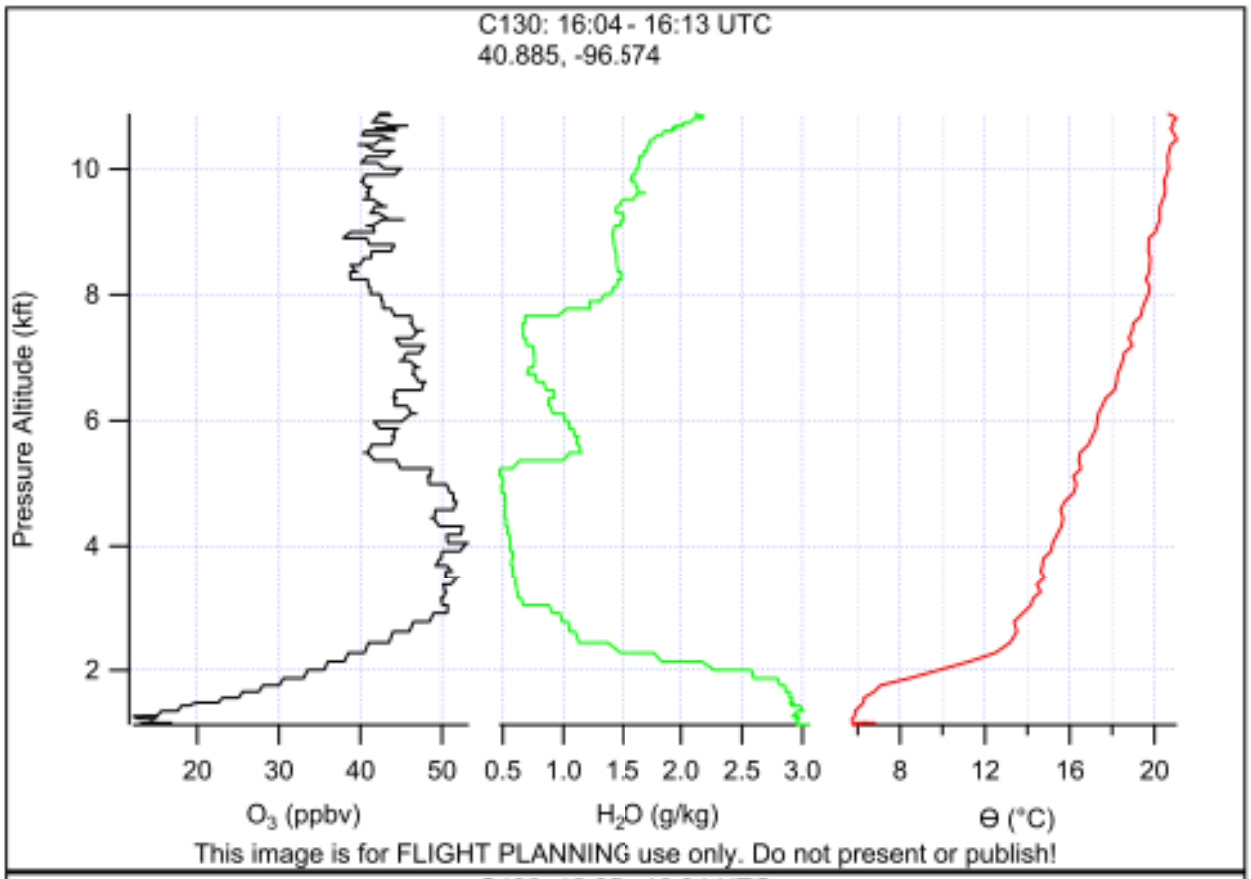
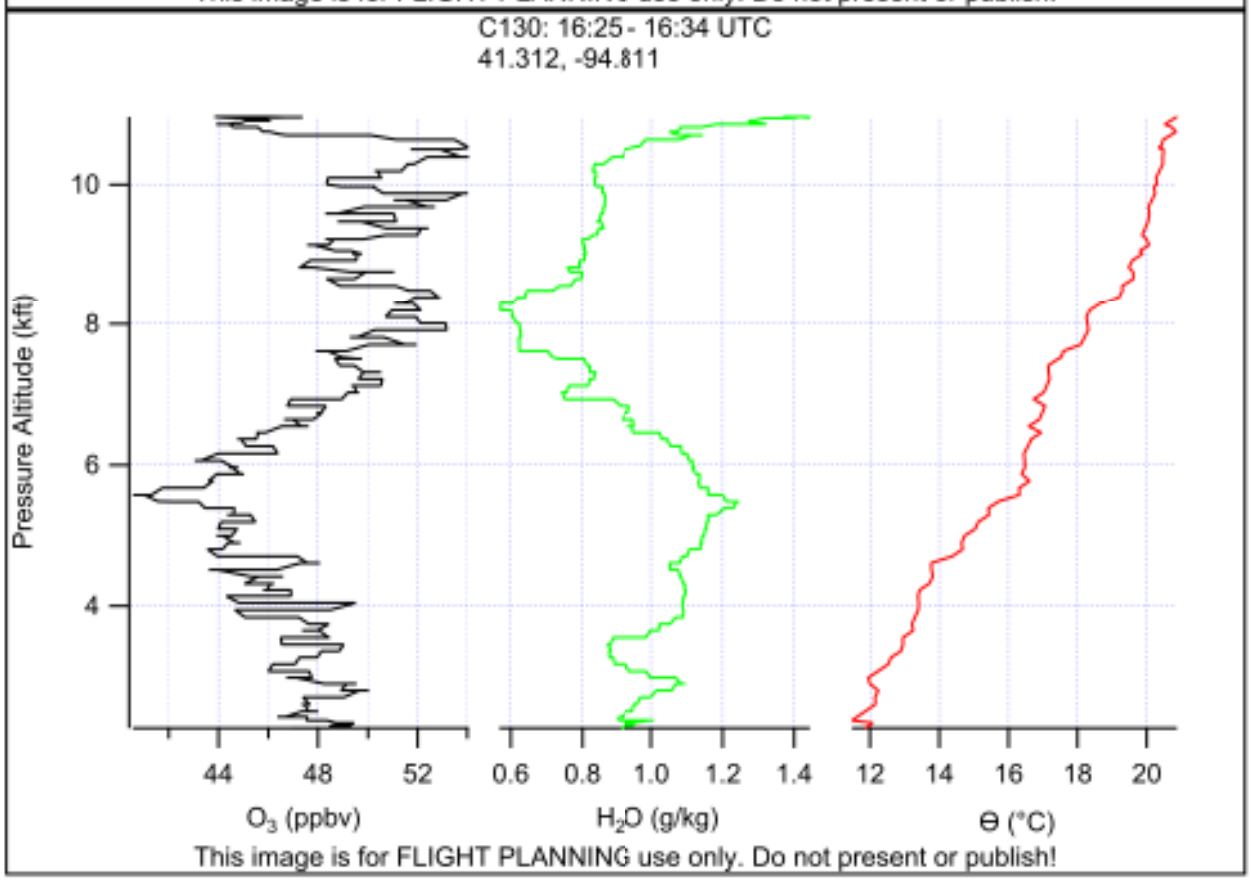
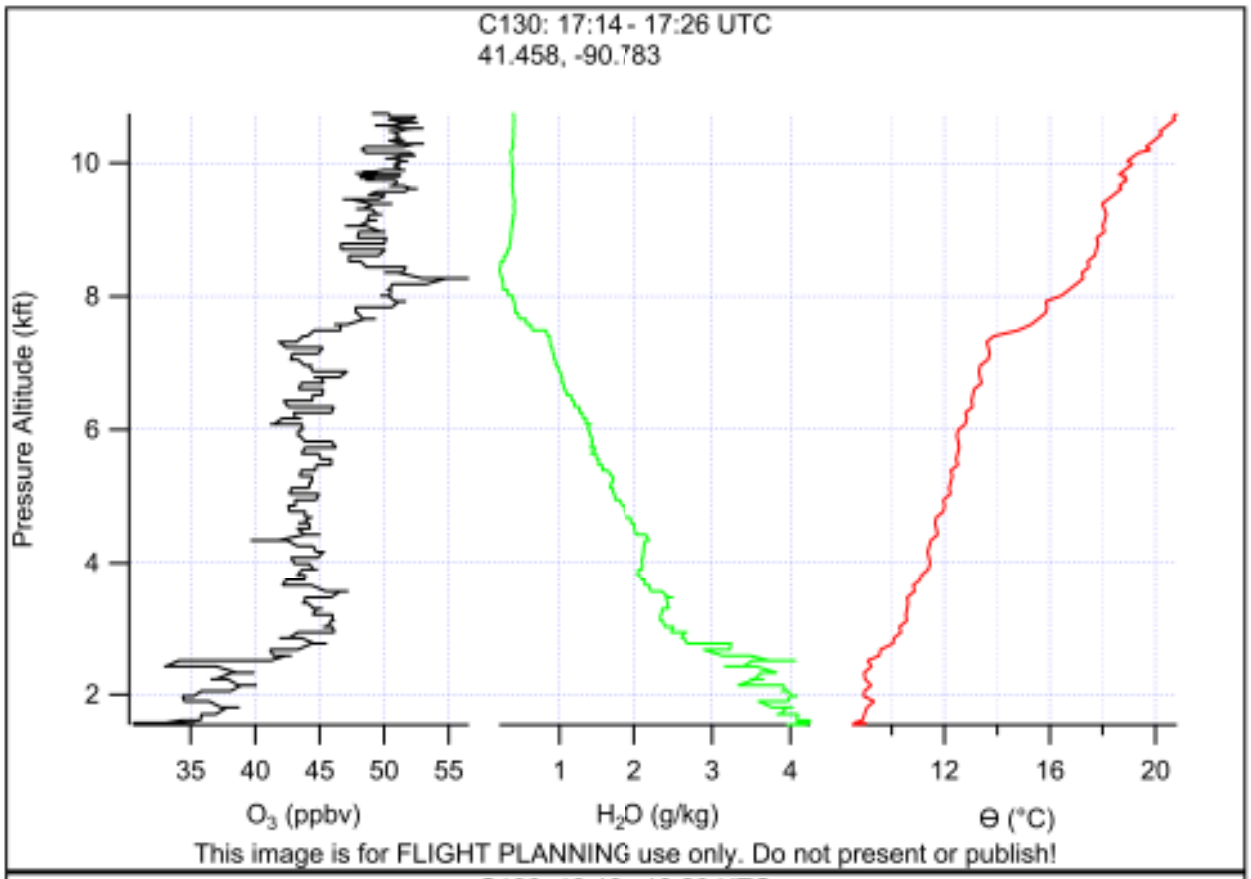
40.549, -83.898
Pressure Altitude (kft)
17
16
15
14
407.5 408.0 408.5 409.0
CO2 (ppmv)
1.890 1.895 1.900 1.905 1.910
CH4 (ppmv)
0.100 0.110 0.120
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

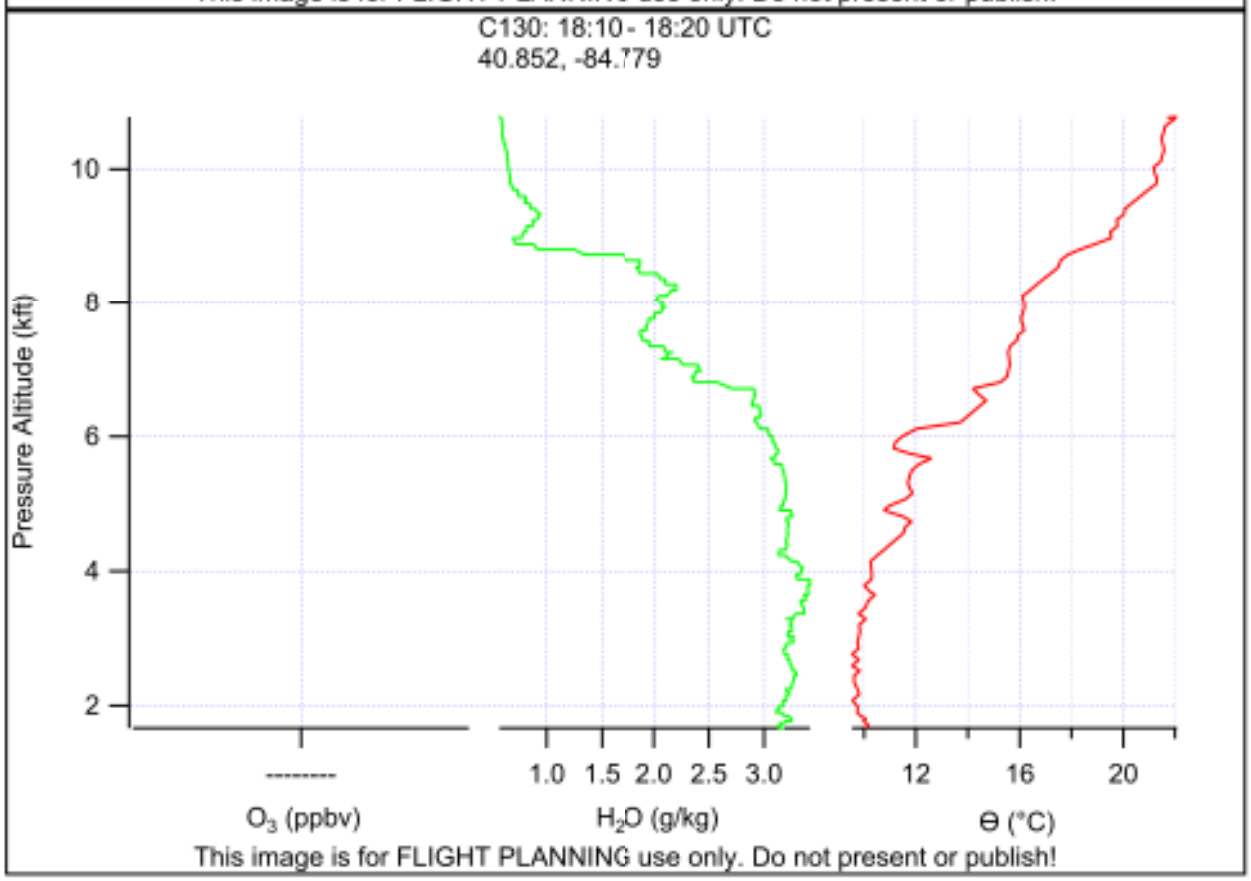

B200_L2: 19:35 - 19:38 UTC
39.958, -81.94
Pressure Altitude (kft)
15.0
14.5
14.0
13.5
409.0 409.1 409.2 409.3
CO2 (ppmv)
1.905 1.909
CH4 (ppmv)
0.105 0.110 0.115 0.120 0.125
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 19:44 - 19:57 UTC
39.434, -80.926
Pressure Altitude (kft)
14
12
10
8
6
4
409.0 409.5 410.0 410.5 411.0 411.5
CO2 (ppmv)
1.910 1.920 1.930 1.940
CH4 (ppmv)
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!

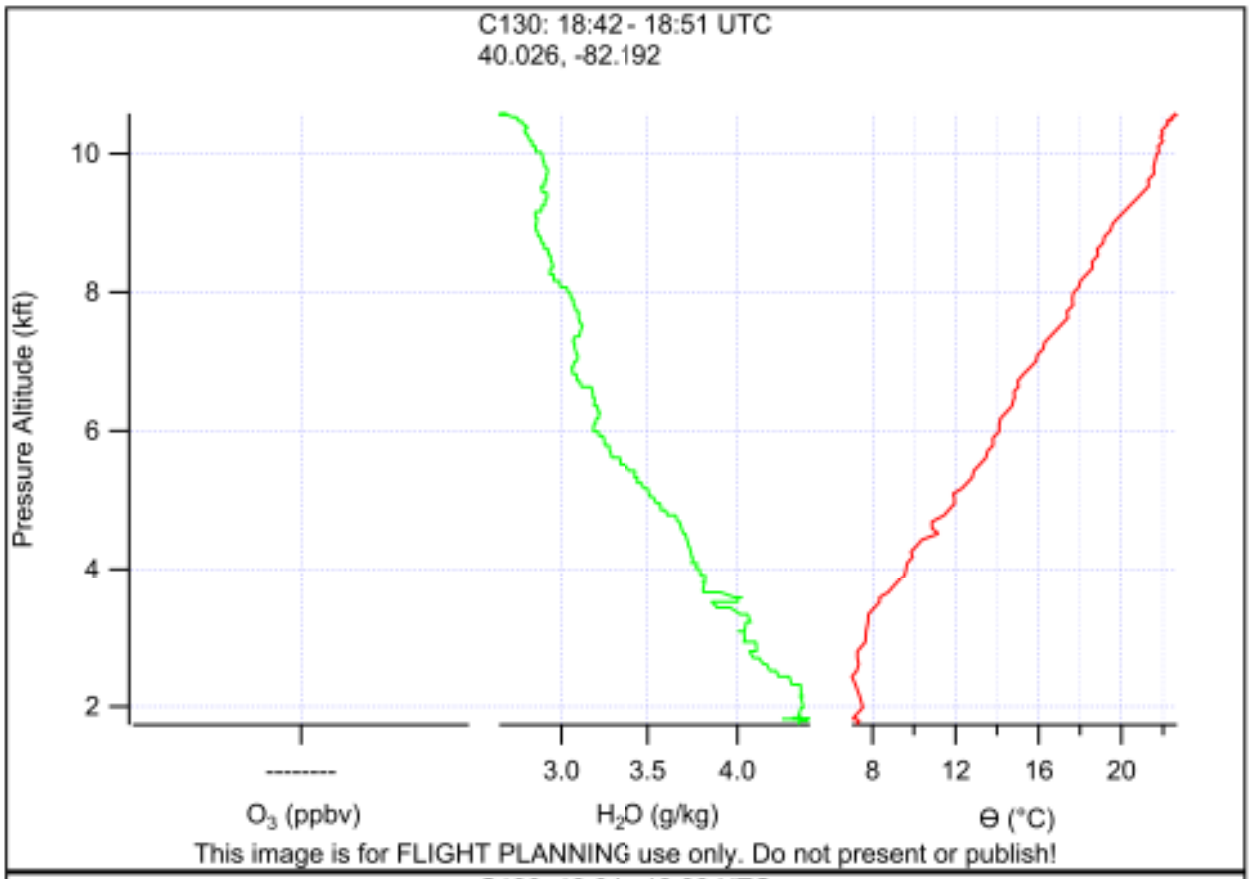

C130: 16:04 - 16:13 UTC
40.885, -96.574
Pressure Altitude (kft)
10
8
6
4
2
20 30 40 50
O3 (ppbv)
0.5 1.0 1.5 2.0 2.5 3.0
H2O (g/kg)
8 12 16 20
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 16:25 - 16:34 UTC
41.312, -94.811
Pressure Altitude (kft)
10
8
6
4
44 48 52
O3 (ppbv)
0.6 0.8 1.0 1.2 1.4
H2O (g/kg)
12 14 16 18 20
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

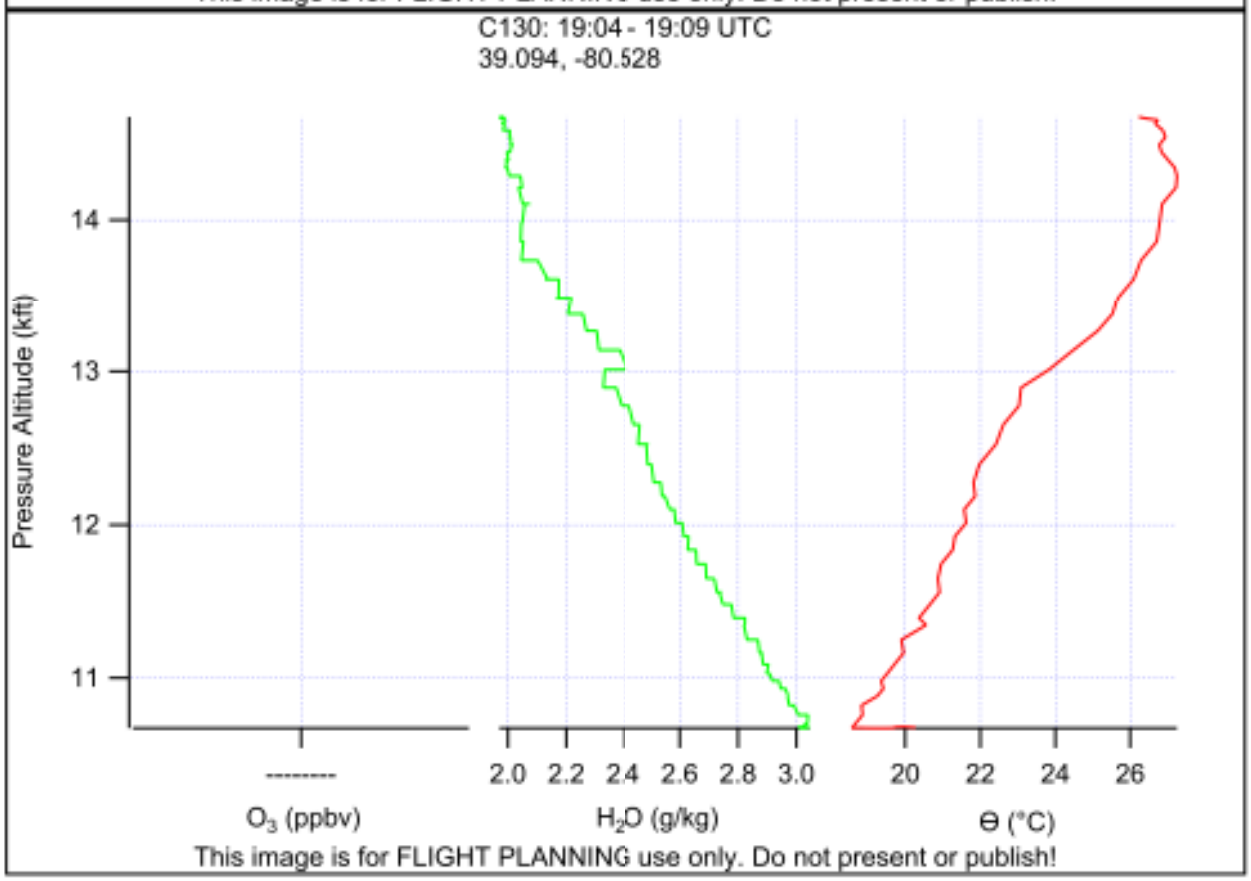

C130: 17:14 - 17:26 UTC
41.458, -90.783
Pressure Altitude (kft)
10
8
6
4
2
35 40 45 50 55
O3 (ppbv)
1 2 3 4
H2O (g/kg)
12 16 20
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 18:10 - 18:20 UTC
40.852, -84.779
Pressure Altitude (kft)
10
8
6
4
2

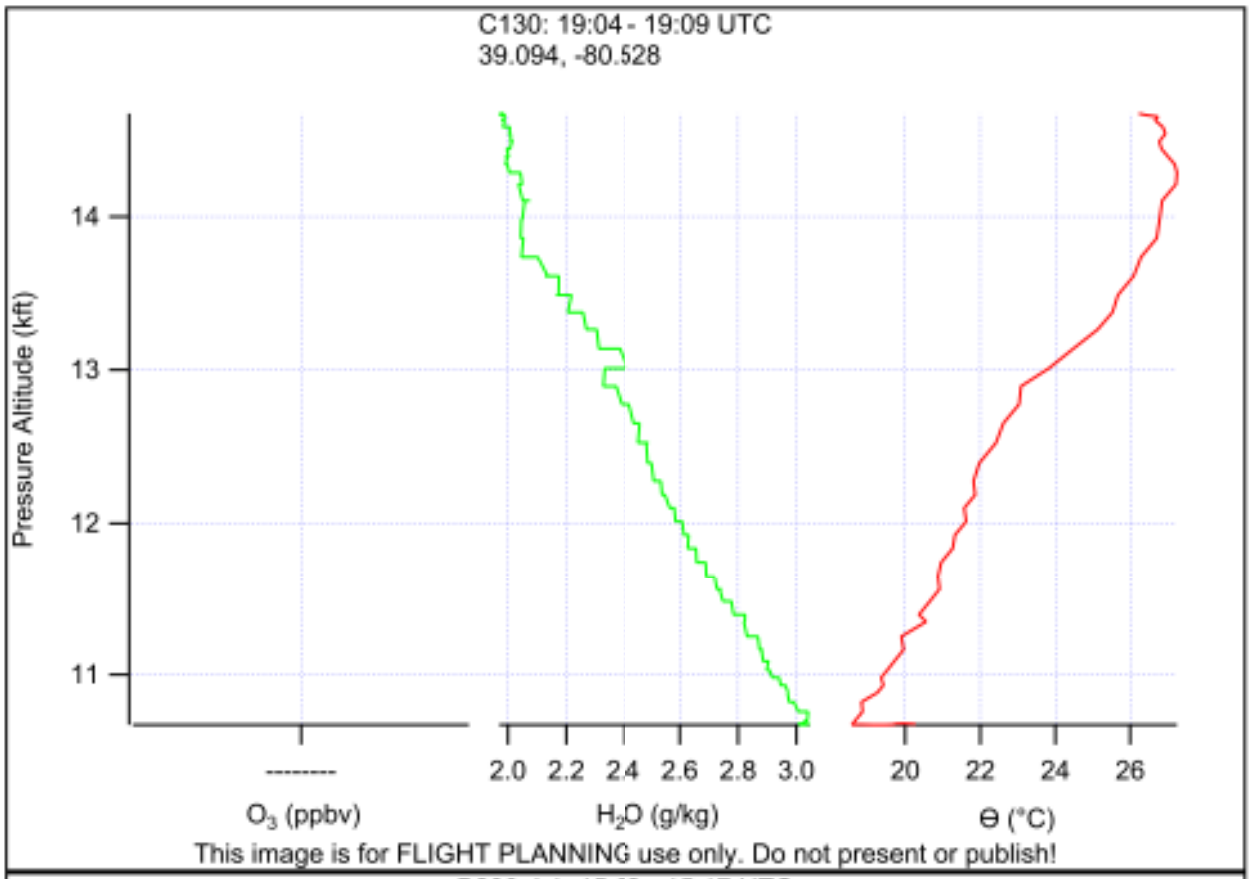
O3 (ppbv)
1.0 1.5 2.0 2.5 3.0
H2O (g/kg)
12 16 20
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 18:42 - 18:51 UTC
40.026, -82.192
Pressure Altitude (kft)
10
8
6
4
2

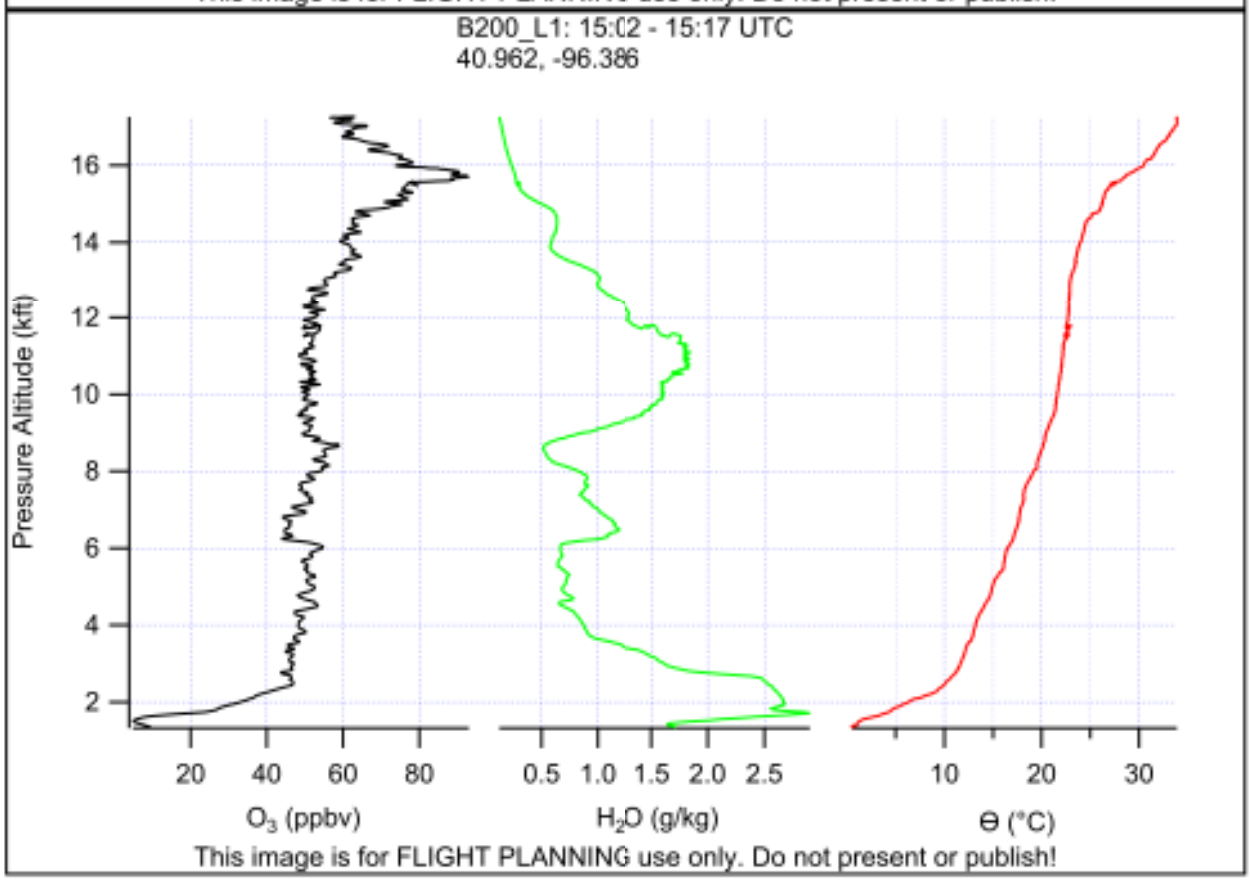
3.0
3.5
4.0
8
12
16
20
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

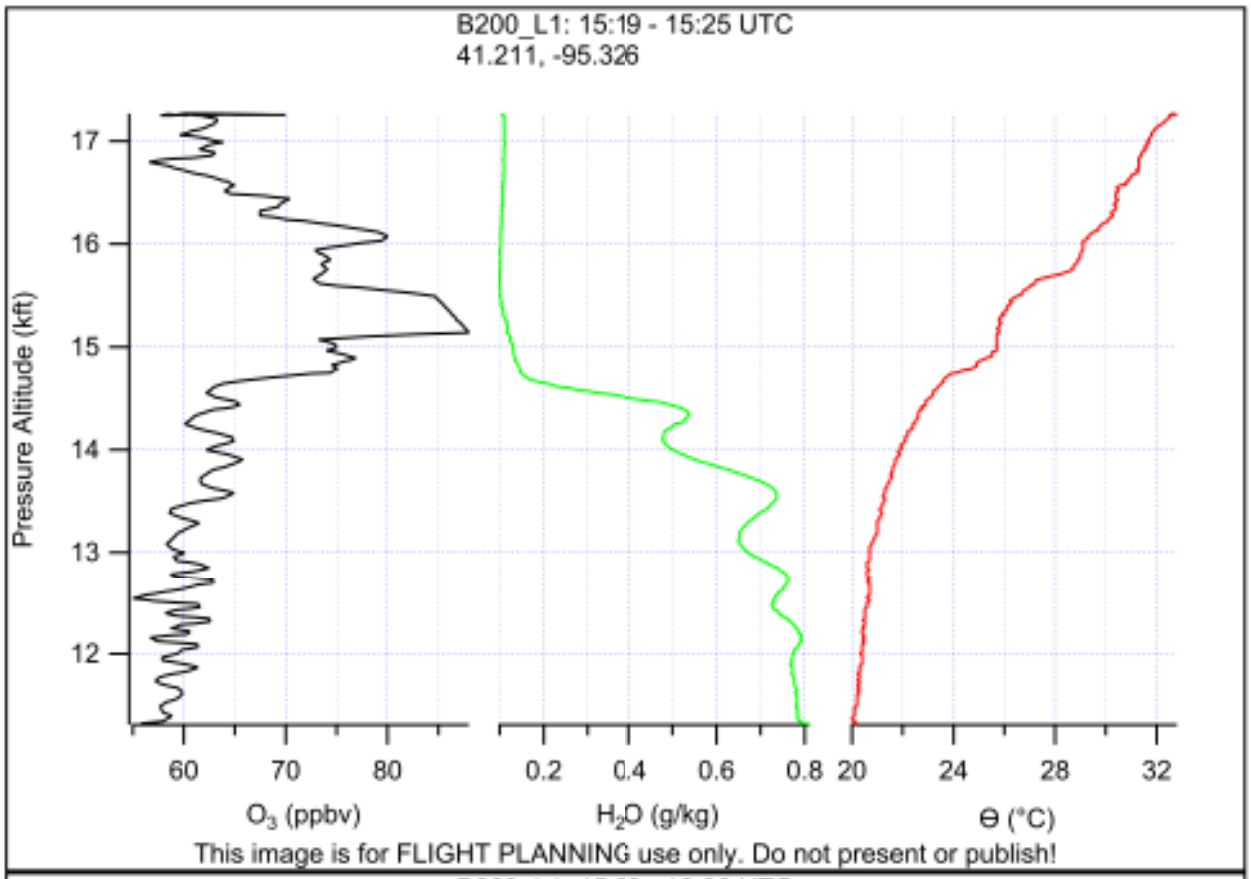

C130: 19:04 - 19:09 UTC
39.094, -80.528
Pressure Altitude (kft)
14
13
12
11

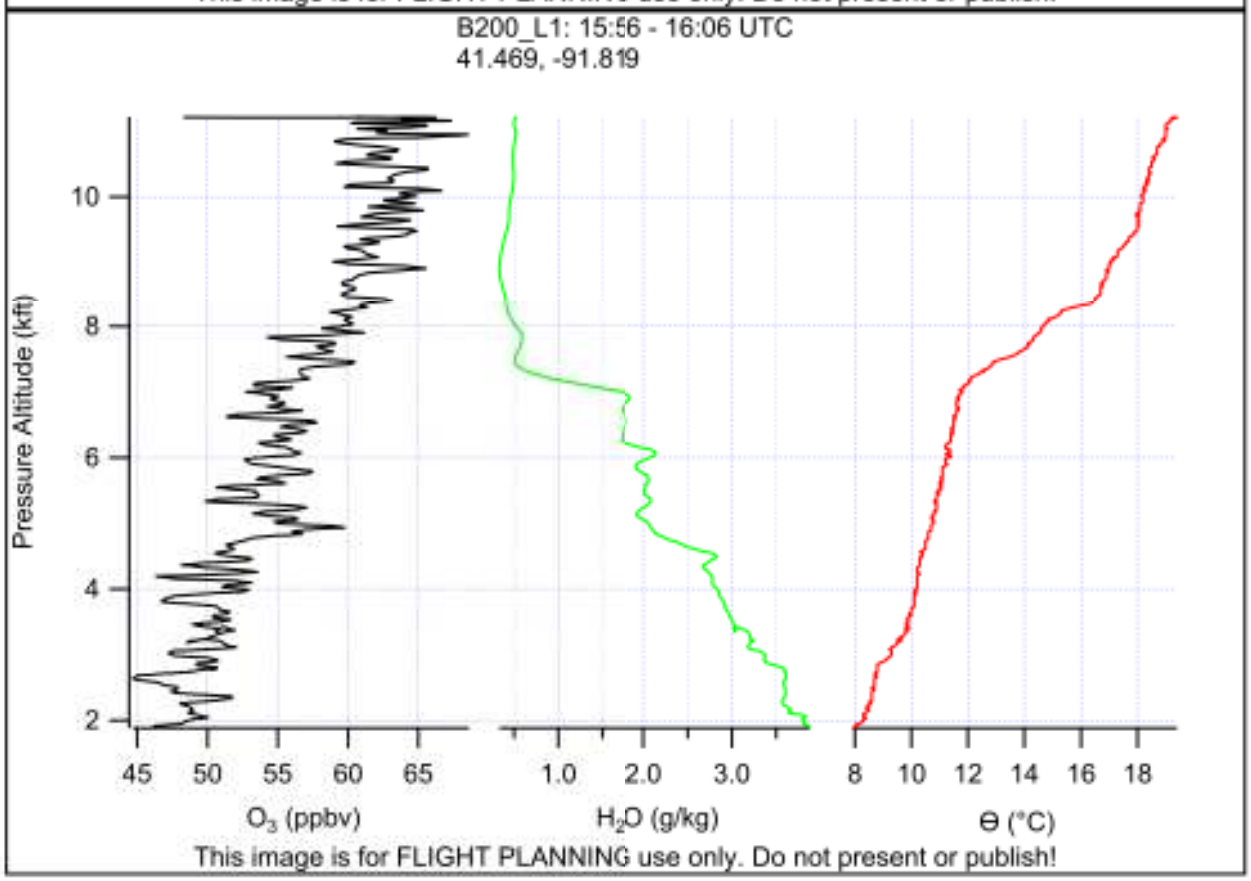
2.0
2.2
2.4
2.6
2.8
3.0
20
22
24
26
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

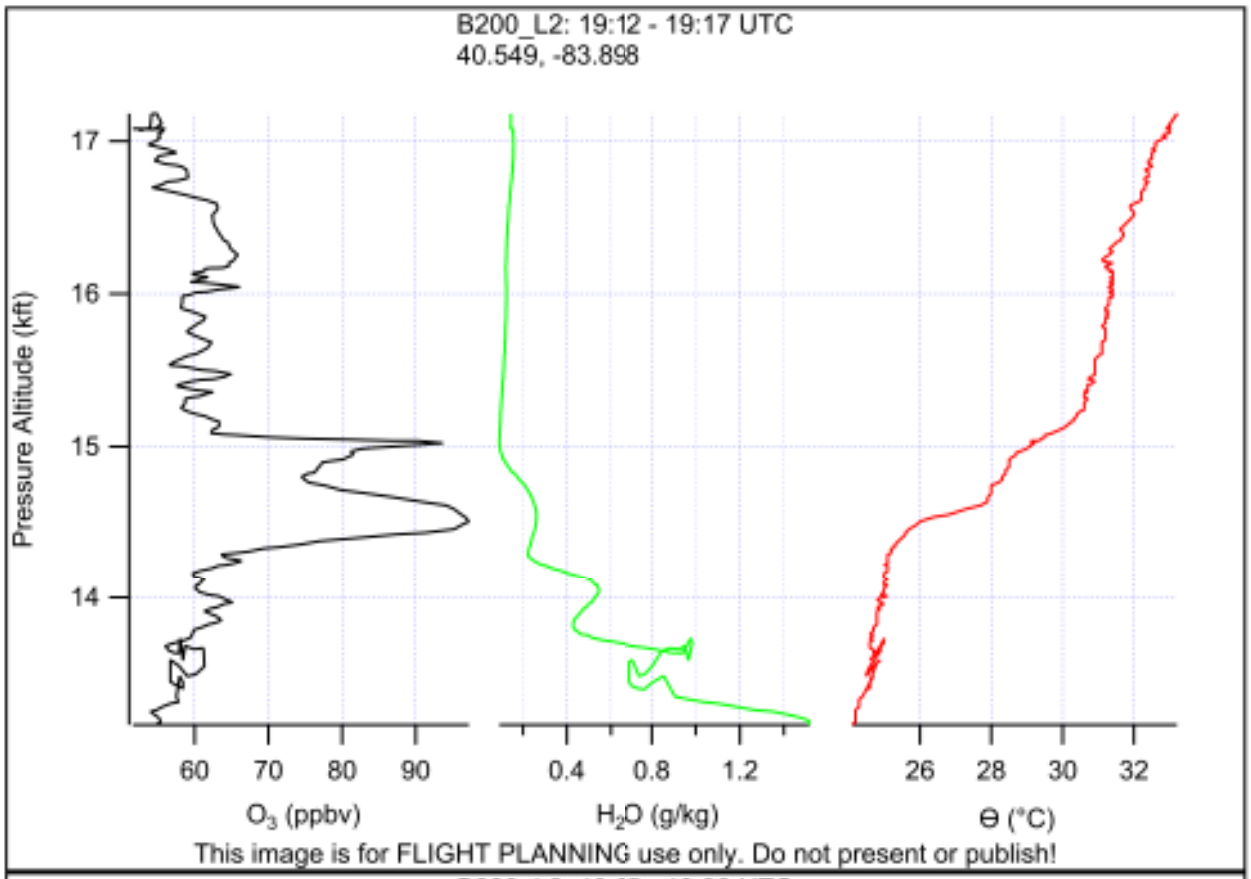

C130: 19:04 - 19:09 UTC
39.094, -80.528
Pressure Altitude (kft)
14
13
12
11

2.0 2.2 2.4 2.6 2.8 3.0
20 22 24 26
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 15:02 - 15:17 UTC
40.962, -96.386
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
20 40 60 80
0.5 1.0 1.5 2.0 2.5
10 20 30
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 15:19 - 15:25 UTC
41.211, -95.326
Pressure Altitude (kft)
17
16
15
14
13
12
60
70
80
0.2
0.4
0.6
0.8
20
24
28
32
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 15:56 - 16:06 UTC
41.469, -91.819
Pressure Altitude (kft)
10
8
6
4
2
45
50
55
60
65
1.0
2.0
3.0
8
10
12
14
16
18
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 19:12 - 19:17 UTC
40.549, -83.898
Pressure Altitude (kft)
17
16
15
14
60
70
80
90
O3 (ppbv)
0.4
0.8
1.2
H2O (g/kg)
26
28
30
32
Θ (°C)
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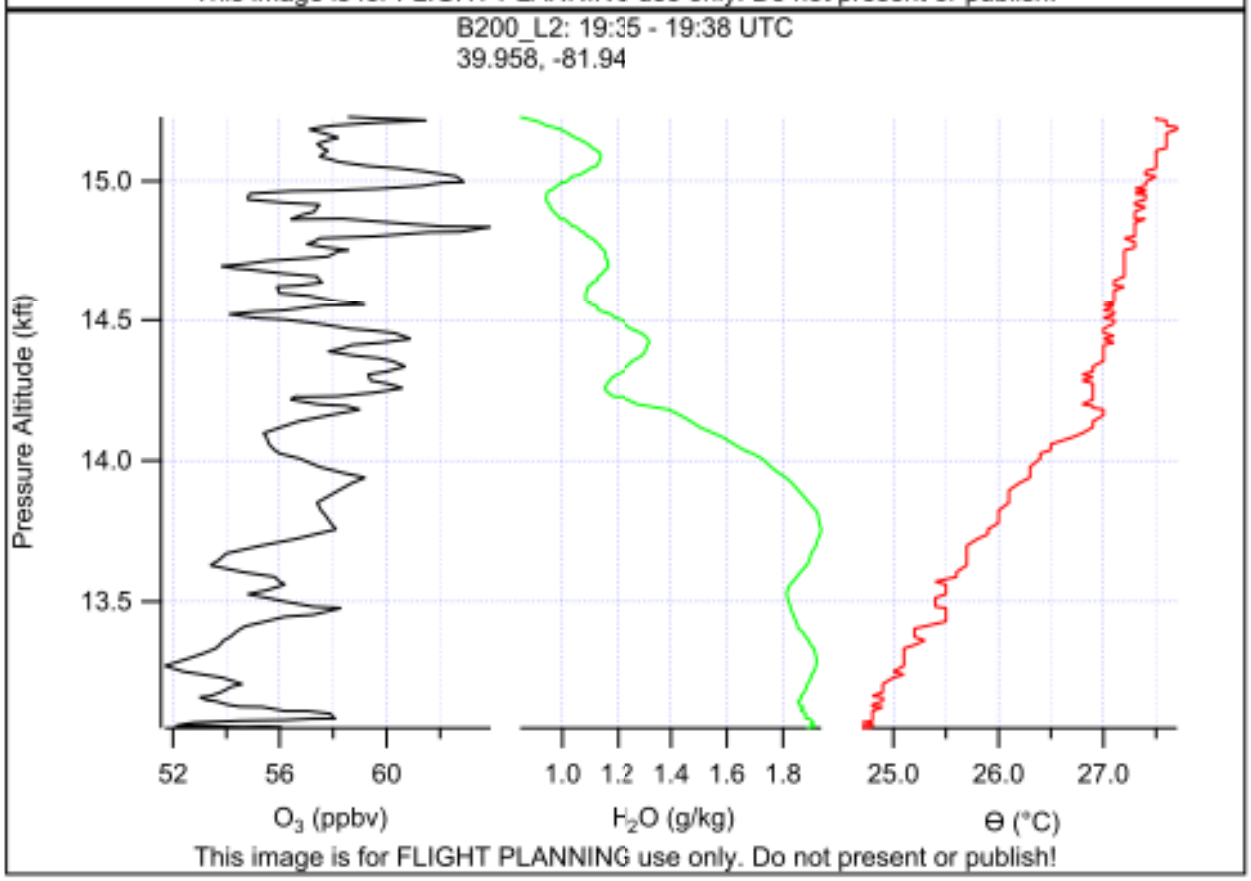
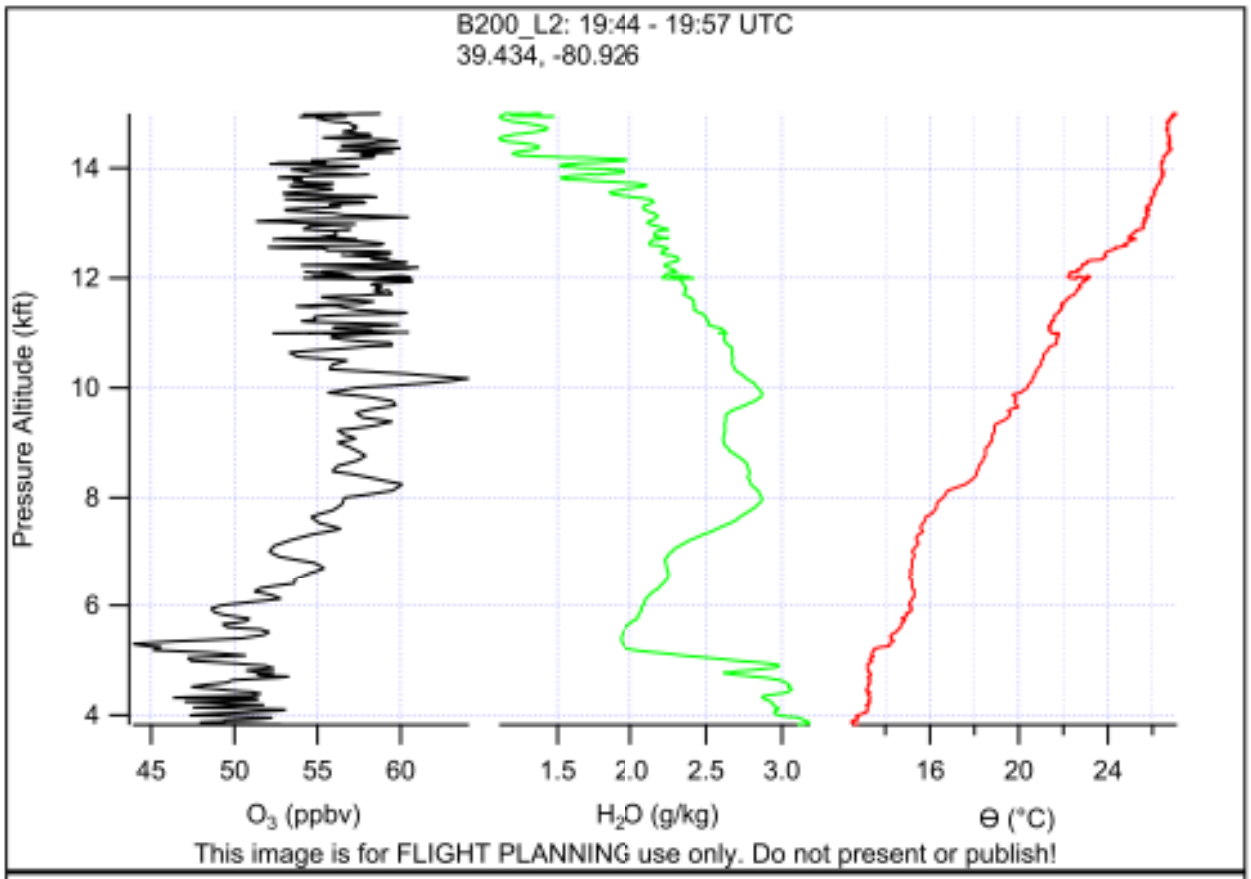

B200_L2: 19:35 - 19:38 UTC
39.958, -81.94
Pressure Altitude (kft)
15.0
14.5
14.0
13.5
52
56
60
O3 (ppbv)
1.0
1.2
1.4
1.6
1.8
H2O (g/kg)
25.0
26.0
27.0
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 19:44 - 19:57 UTC
39.434, -80.926
Pressure Altitude (kft)
14
12
10
8
6
4
45
50
55
60
O_3 (ppbv)
1.5
2.0
2.5
3.0
H_2O (g/kg)
16
20
24
Θ (°C)
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