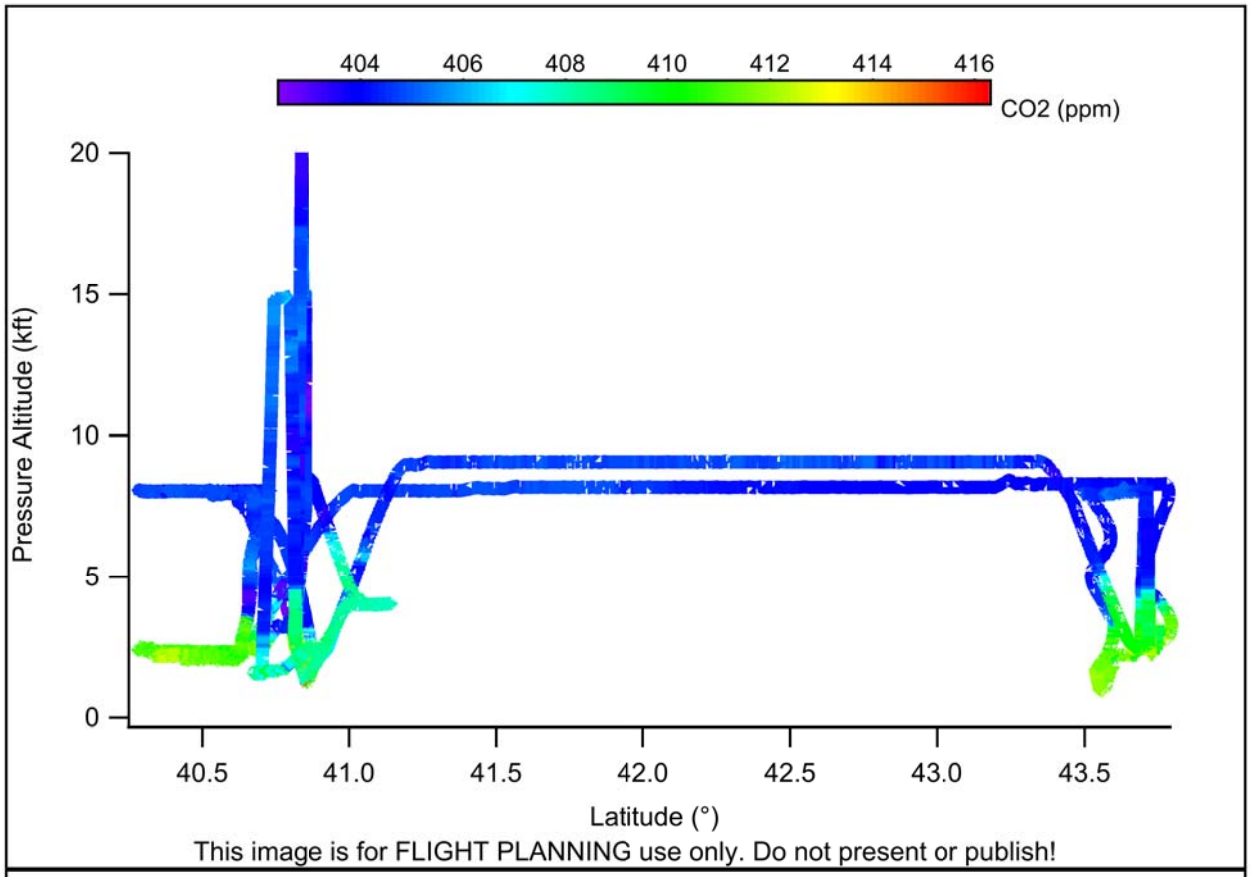
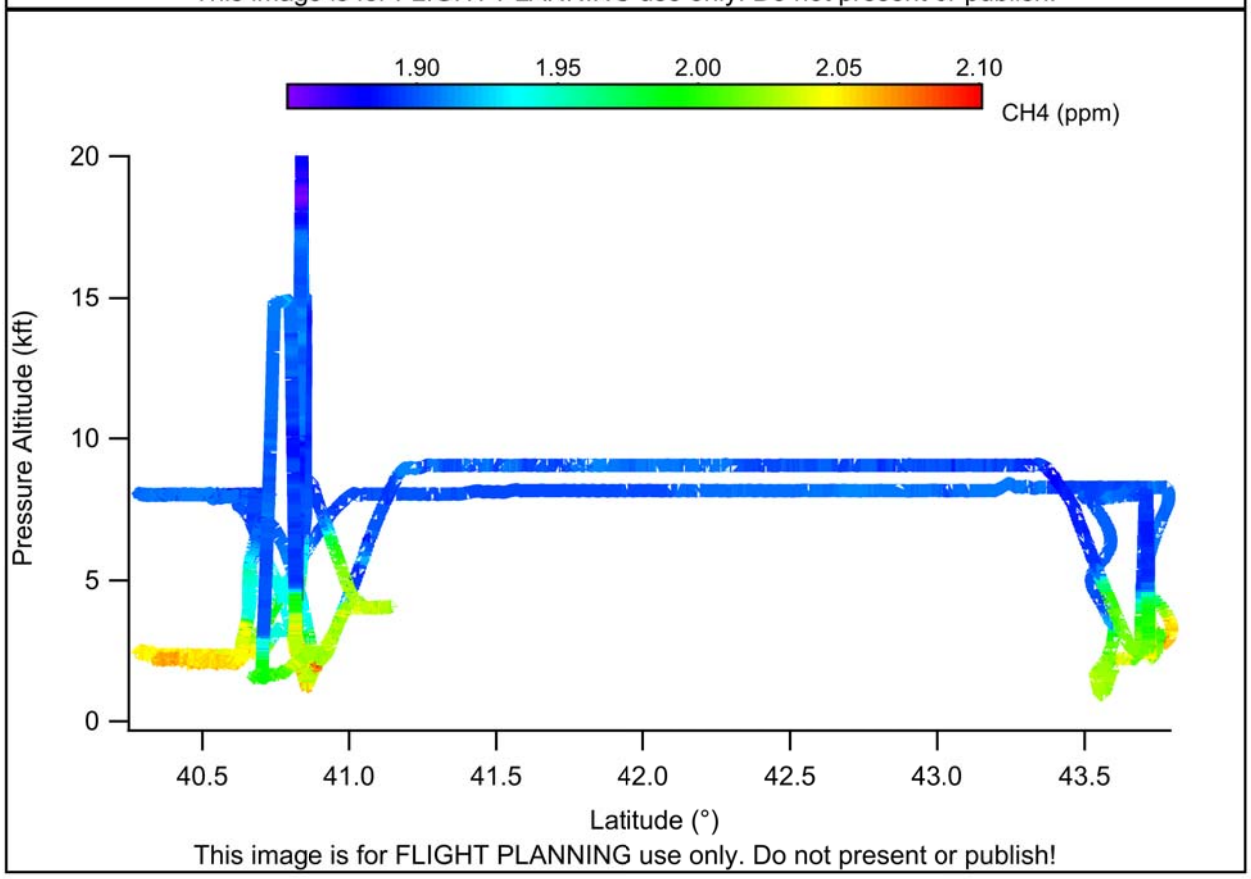
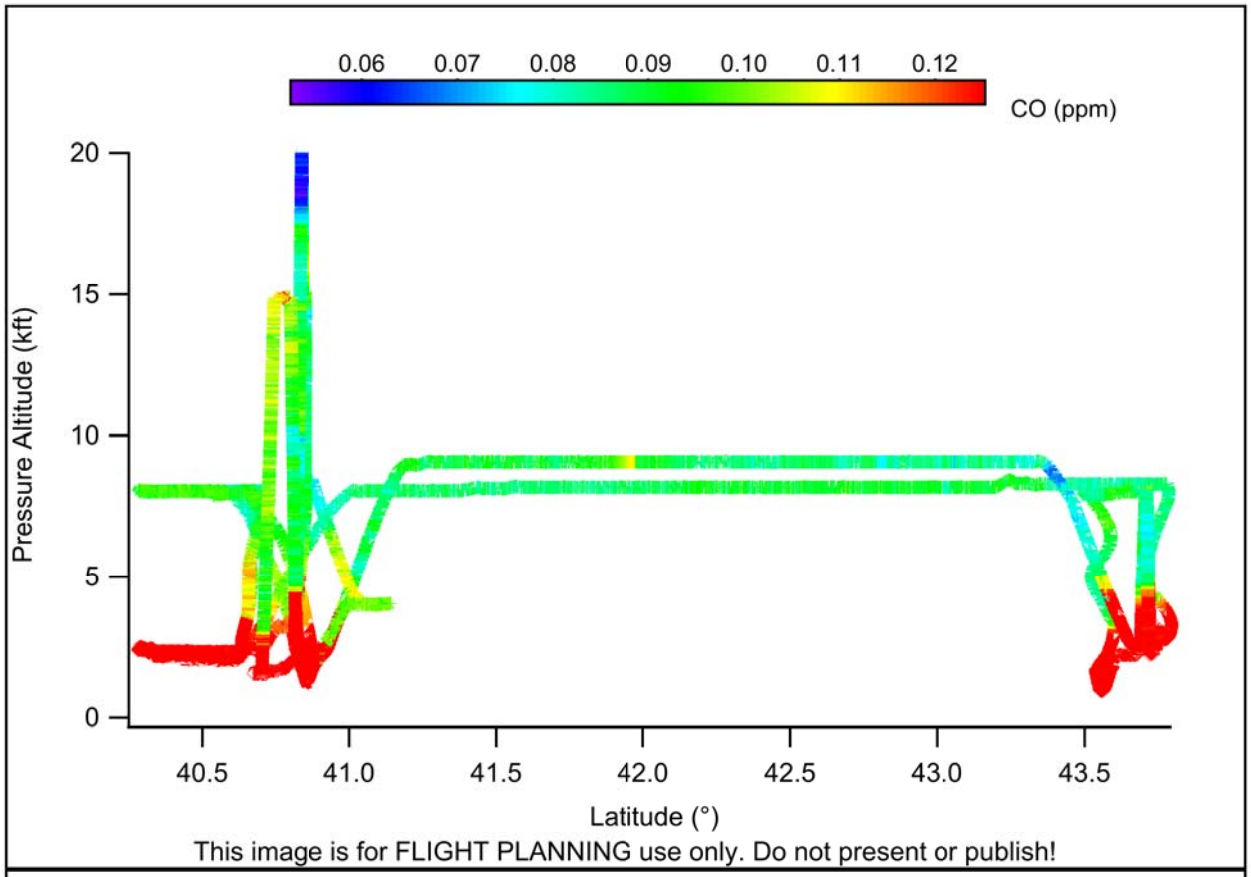
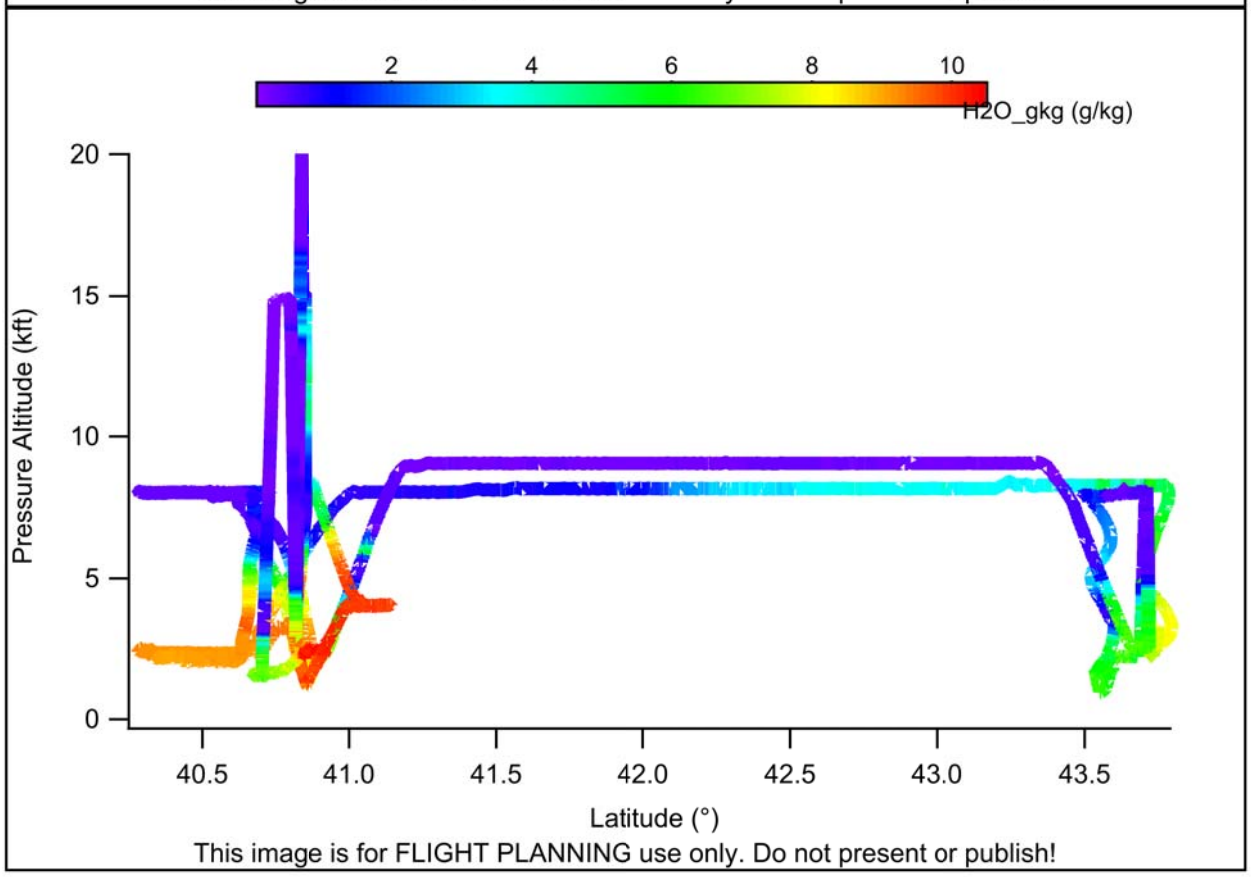
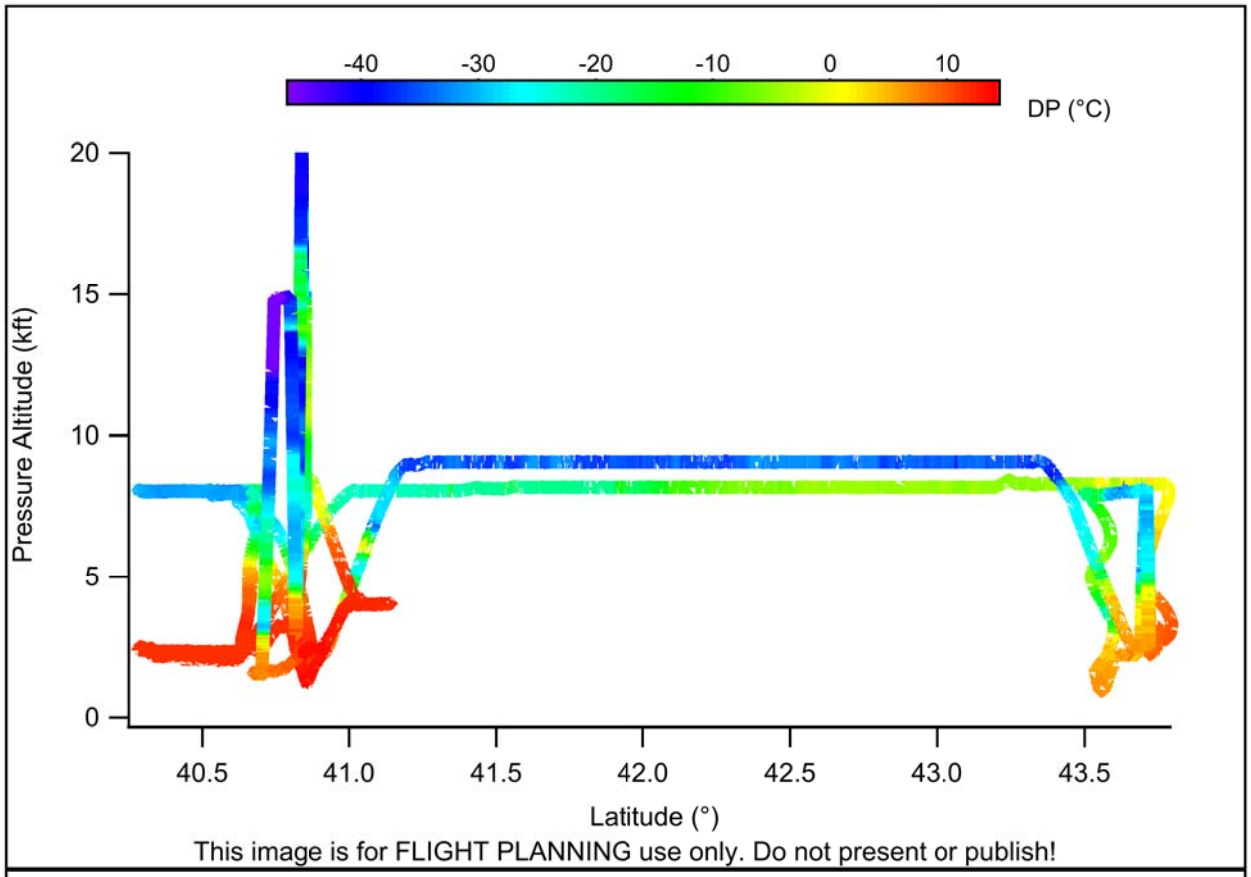
ACT-America 20171020

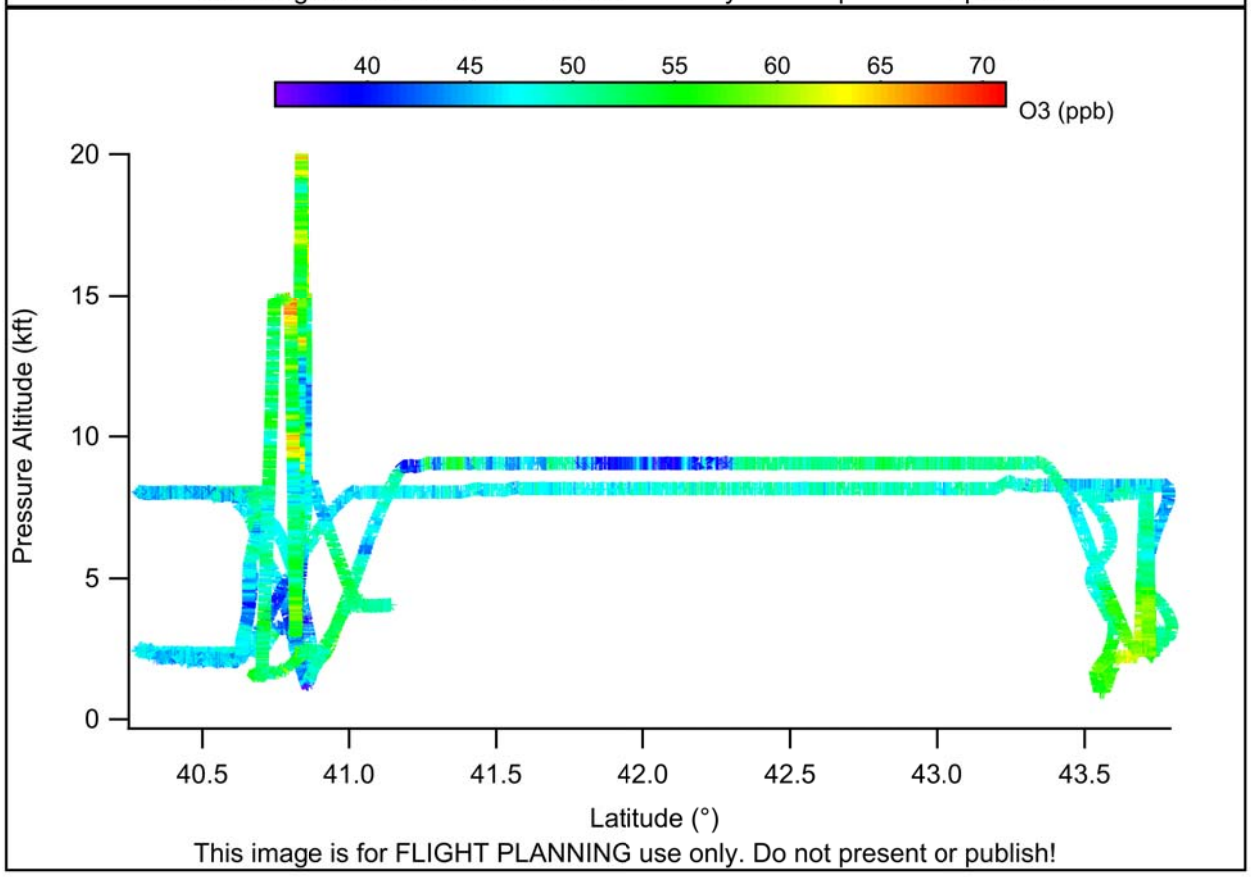

404
406
408
410
412
414
416
CO2 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
40.5
41.0
41.5
42.0
42.5
43.0
43.5
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

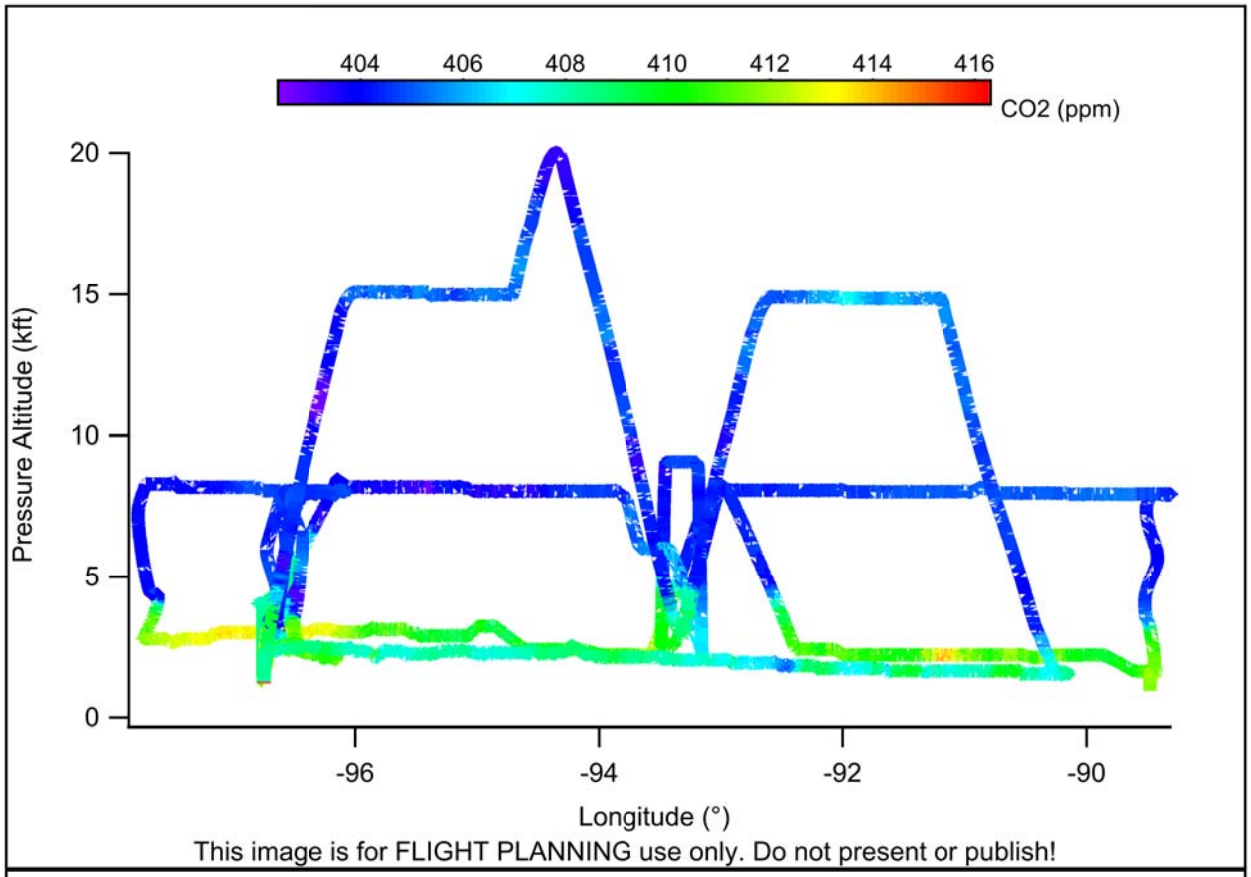

1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
40.5
41.0
41.5
42.0
42.5
43.0
43.5
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

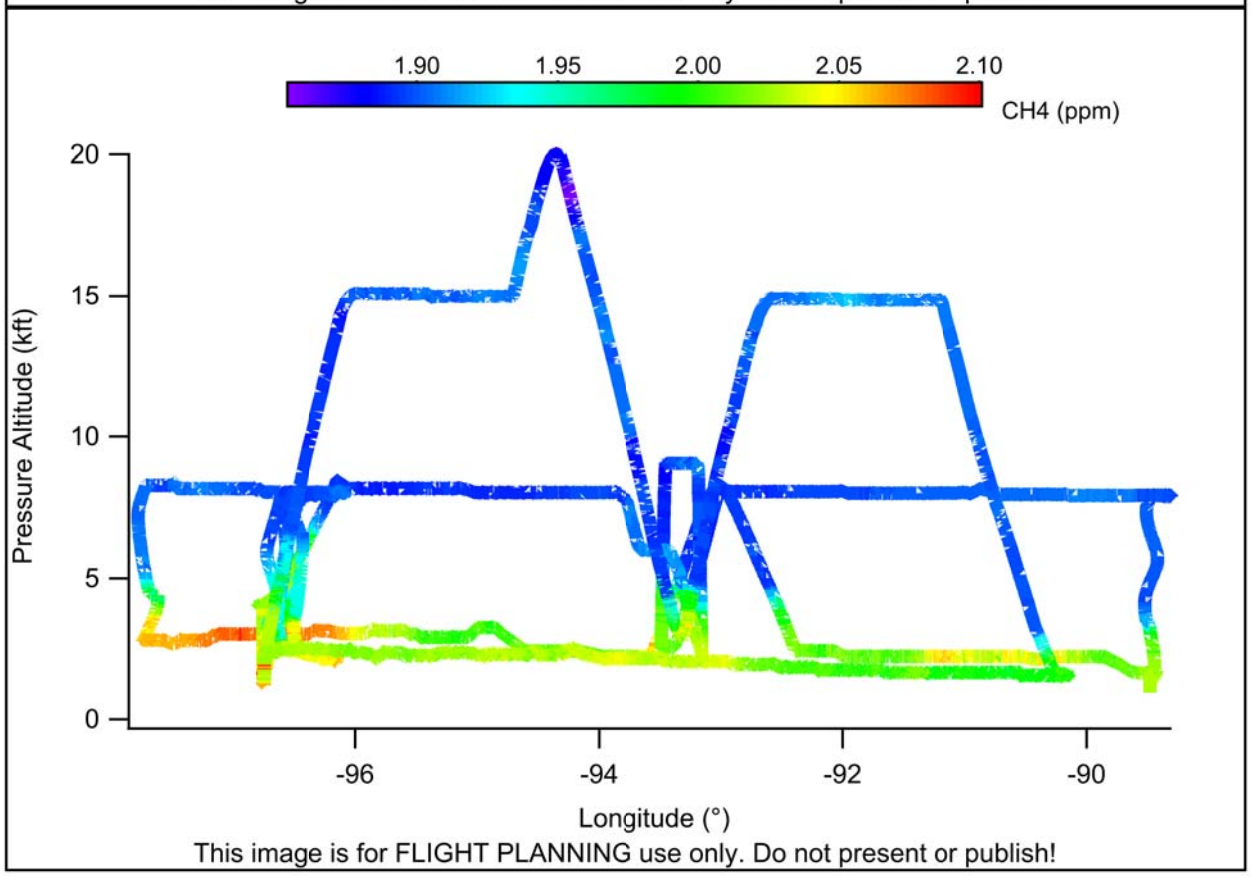

0.06
0.07
0.08
0.09
0.10
0.11
0.12
CO (ppm)
Pressure Altitude (kft)
20
15
10
5
0
40.5
41.0
41.5
42.0
42.5
43.0
43.5
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

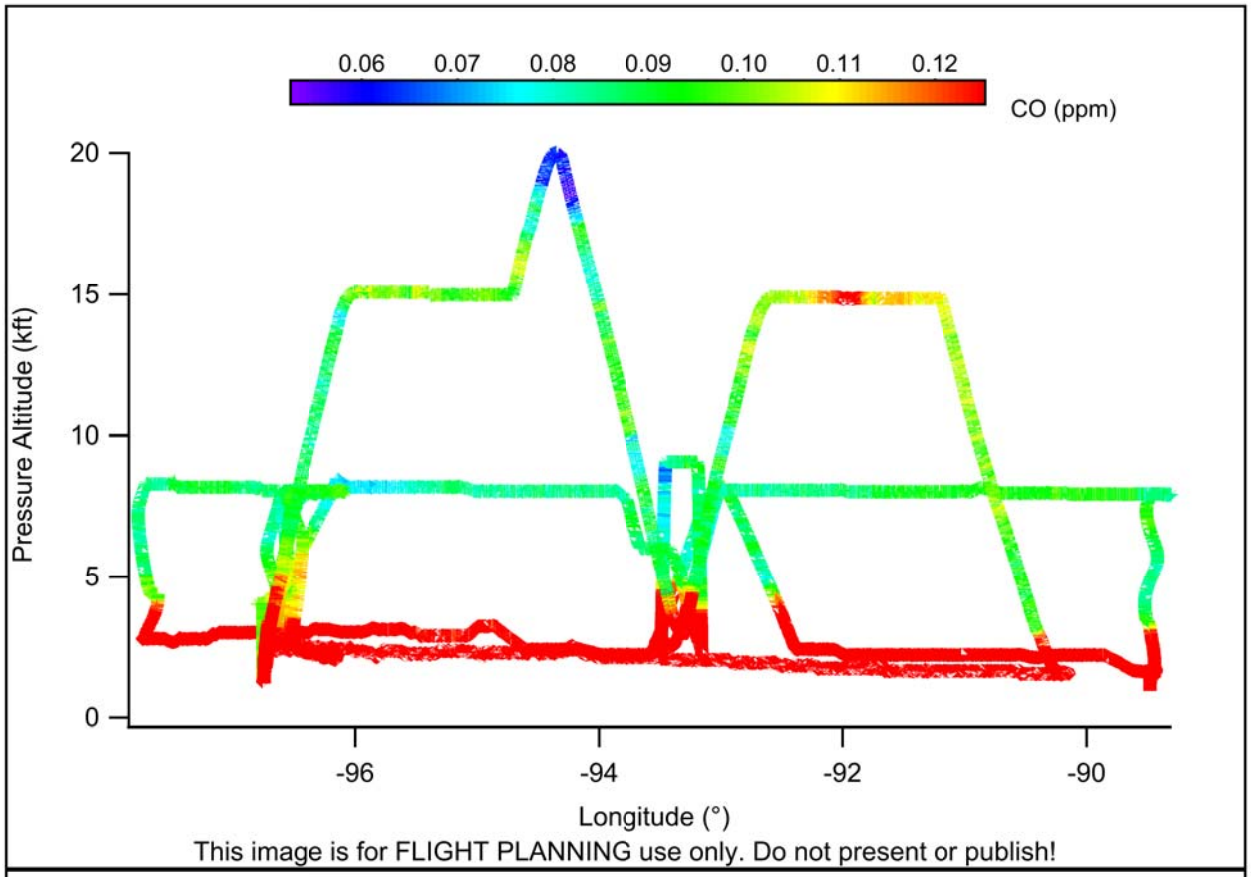

2
4
6
8
10
H2O_gkg (g/kg)
Pressure Altitude (kft)
20
15
10
5
0
40.5
41.0
41.5
42.0
42.5
43.0
43.5
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

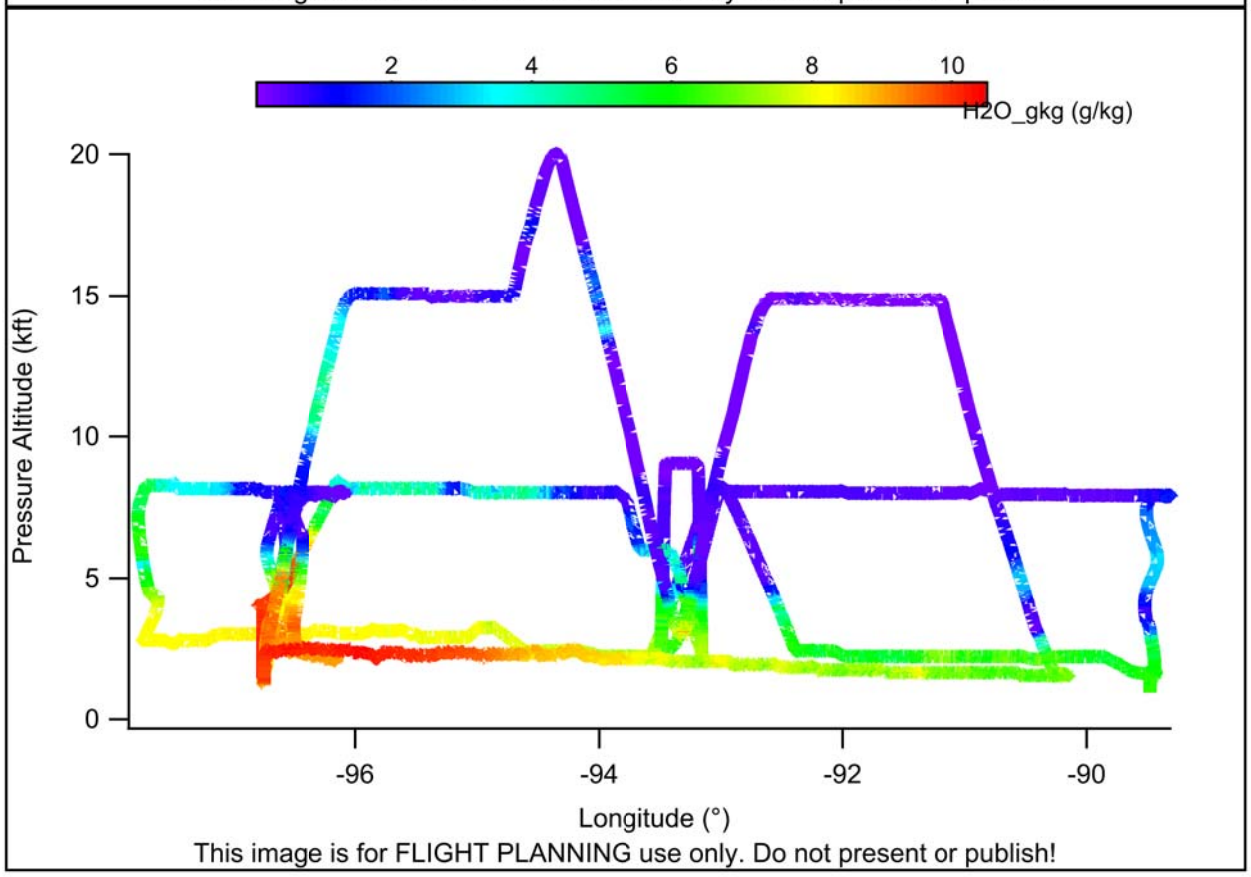

-40
-30
-20
-10
0
10
DP (°C)
Pressure Altitude (kft)
20
15
10
5
0
40.5
41.0
41.5
42.0
42.5
43.0
43.5
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

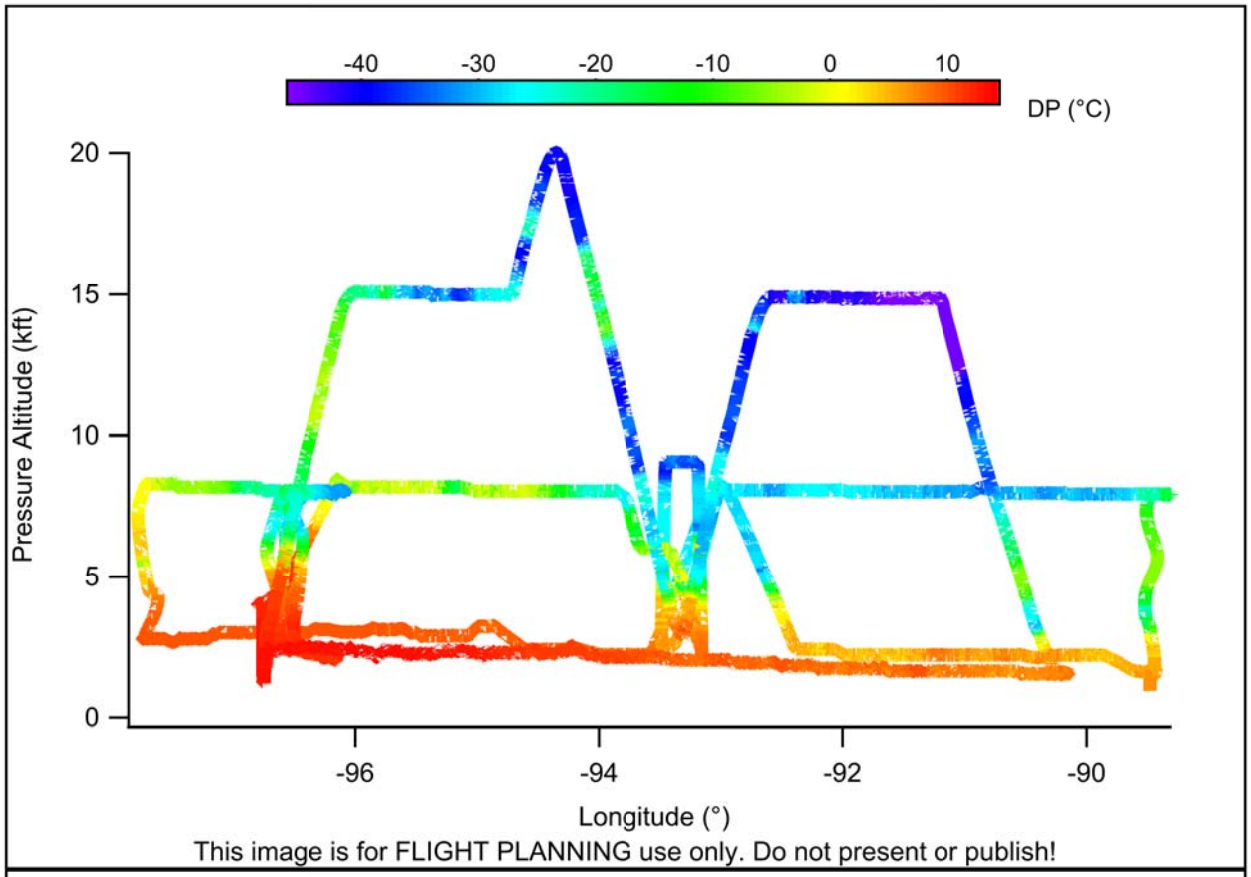

40
45
50
55
60
65
70
O3 (ppb)
Pressure Altitude (kft)
20
15
10
5
0
40.5
41.0
41.5
42.0
42.5
43.0
43.5
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

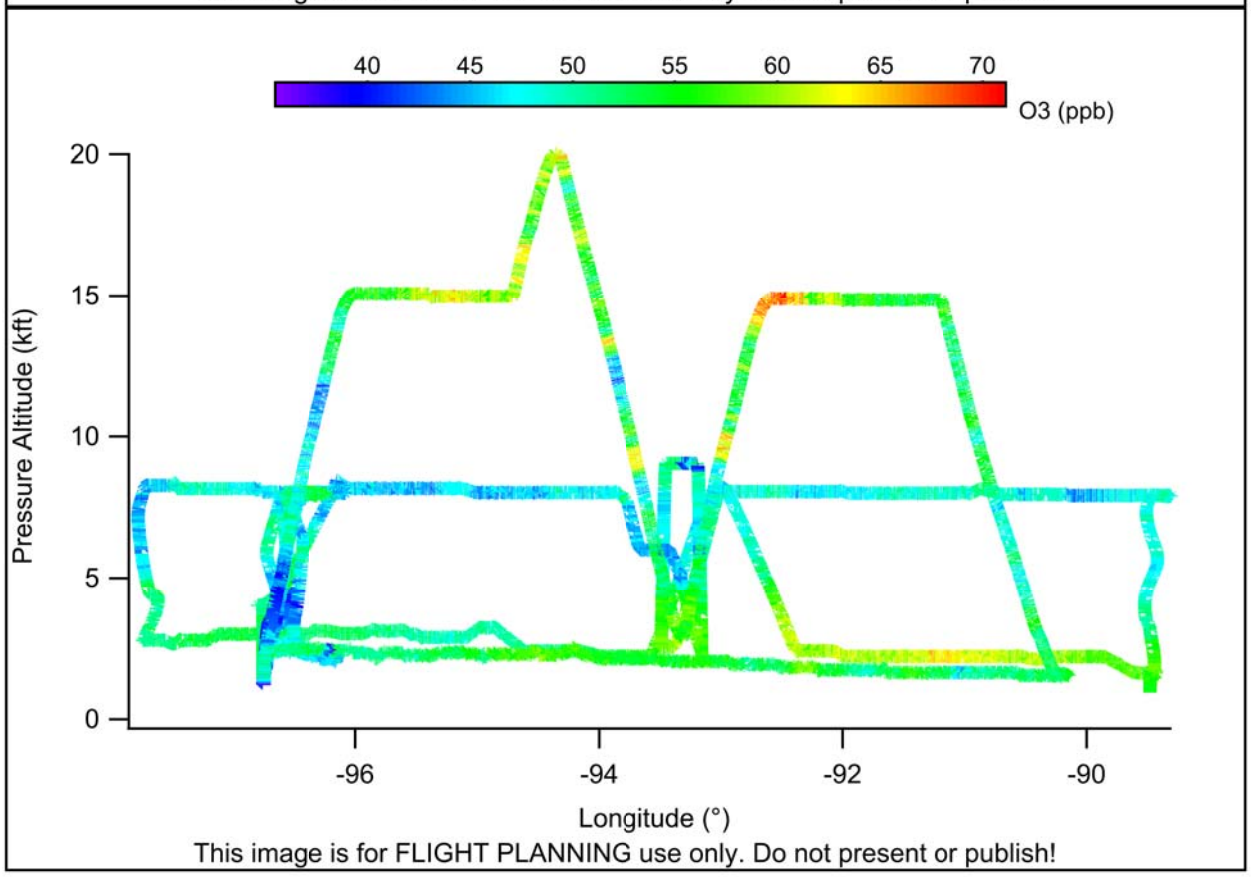

404
406
408
410
412
414
416
CO2 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

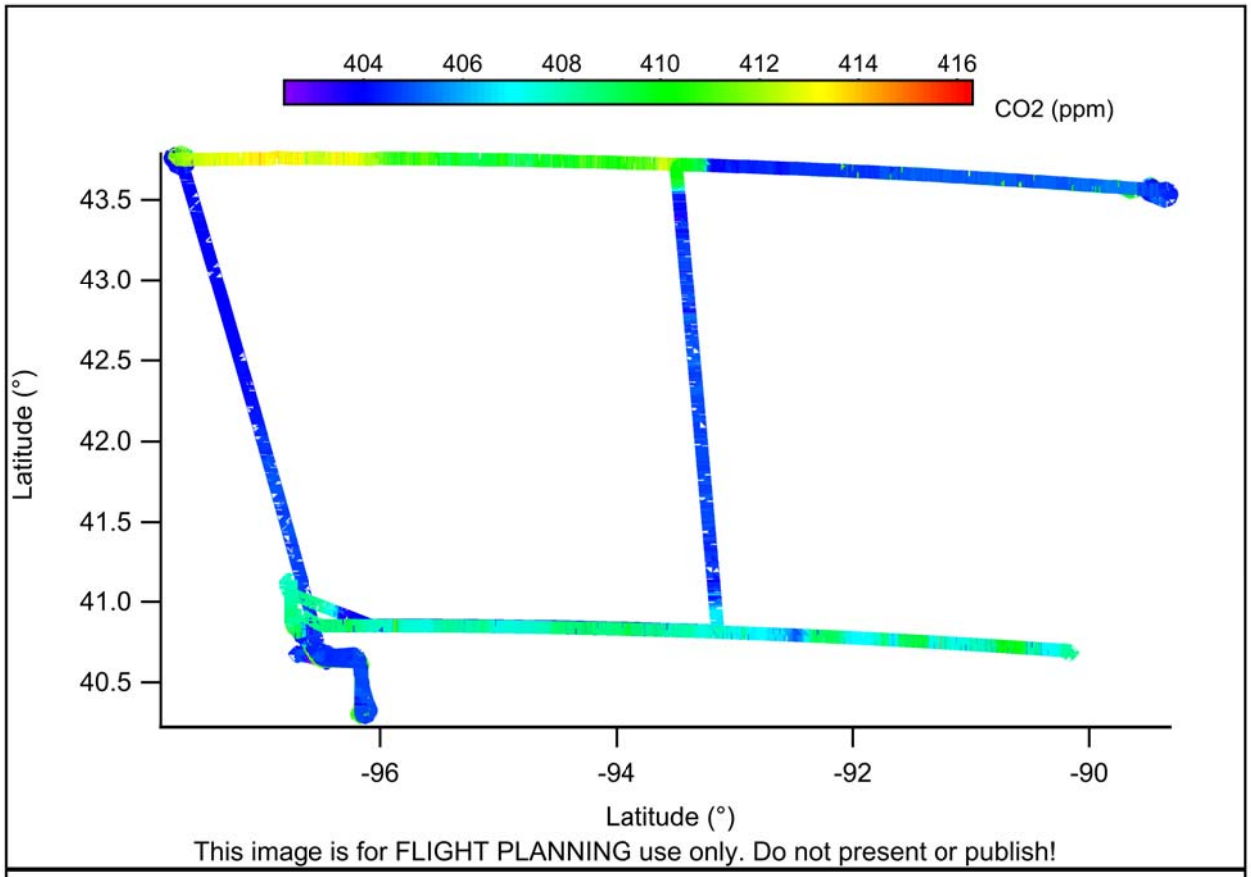

1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

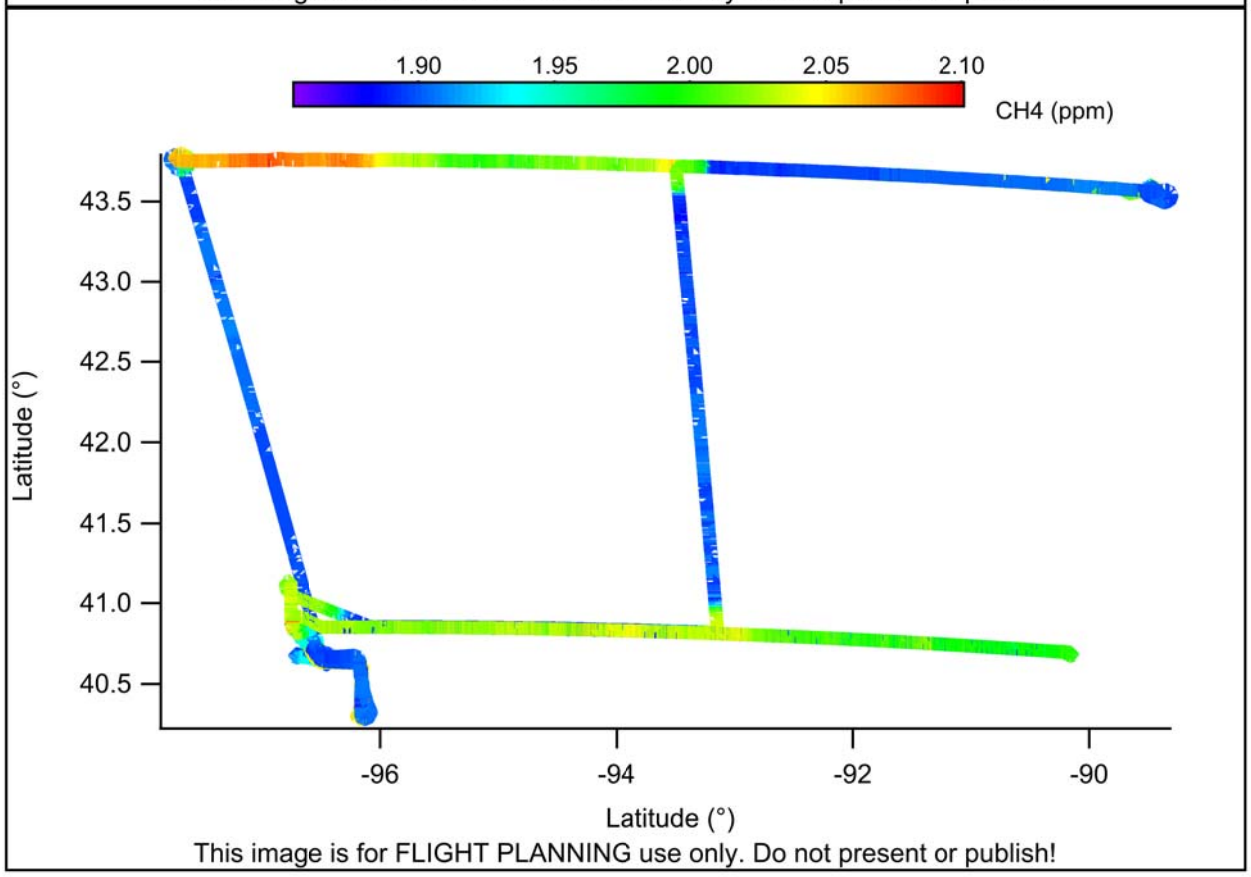

0.06
0.07
0.08
0.09
0.10
0.11
0.12
CO (ppm)
Pressure Altitude (kft)
20
15
10
5
0
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

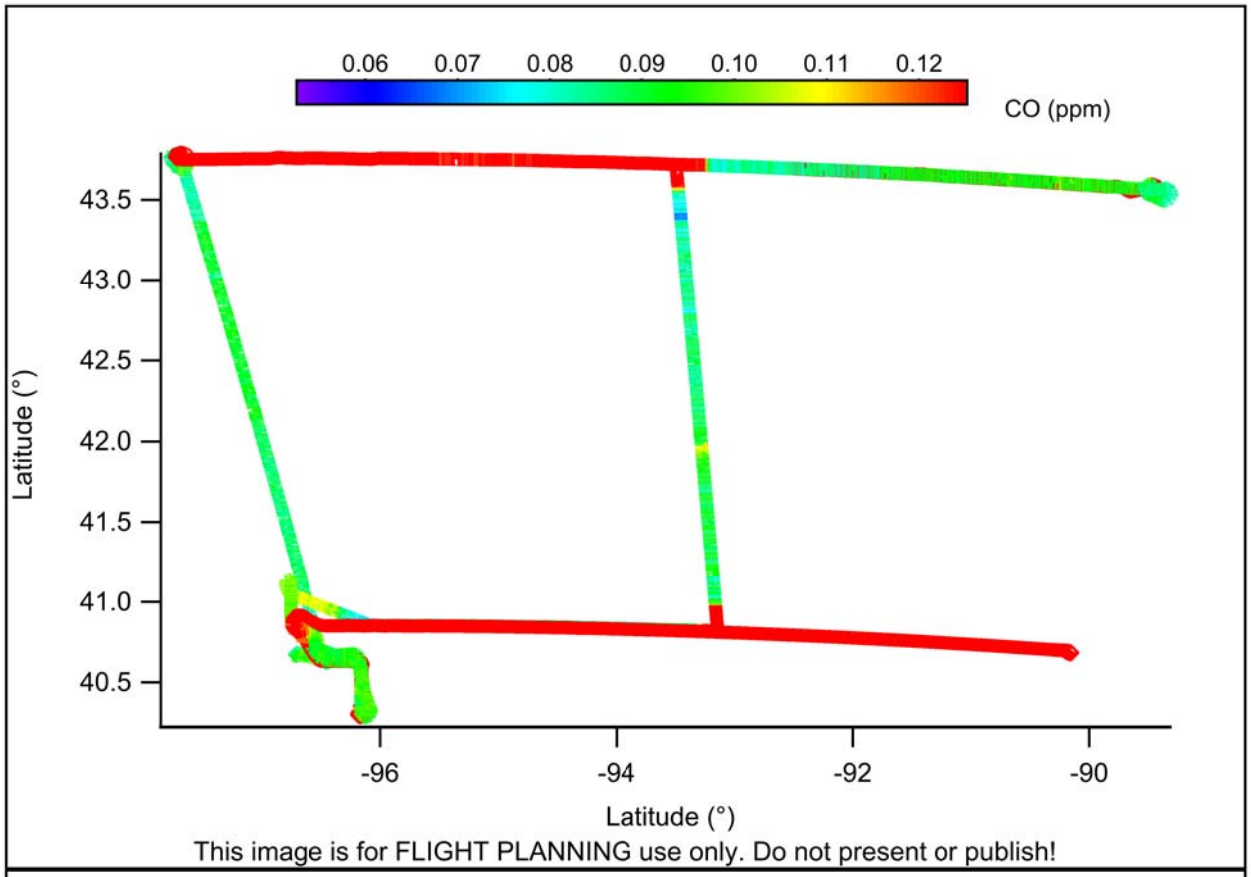

2
4
6
8
10
H2O_gkg (g/kg)
Pressure Altitude (kft)
20
15
10
5
0
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

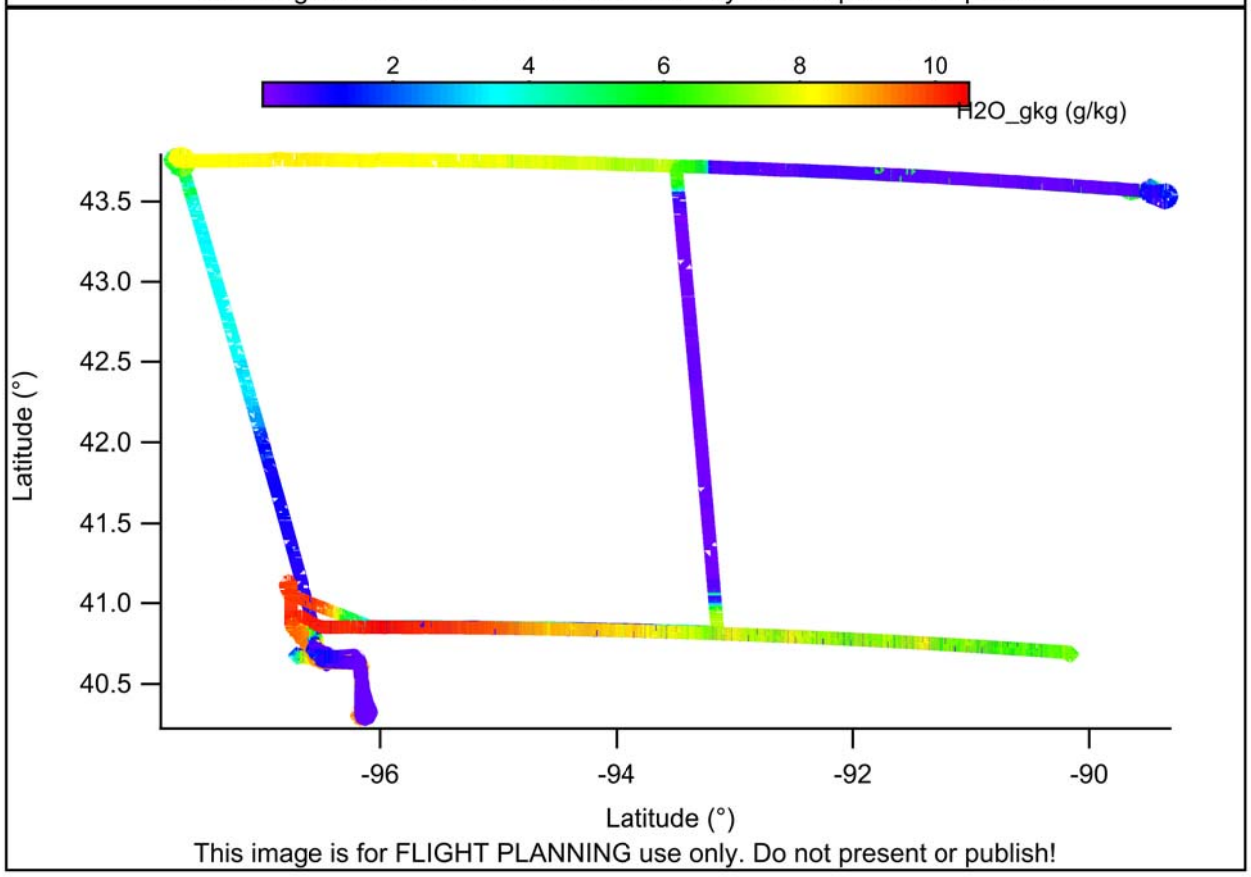

-40
-30
-20
-10
0
10
DP (°C)
20
15
10
5
0
Pressure Altitude (kft)
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

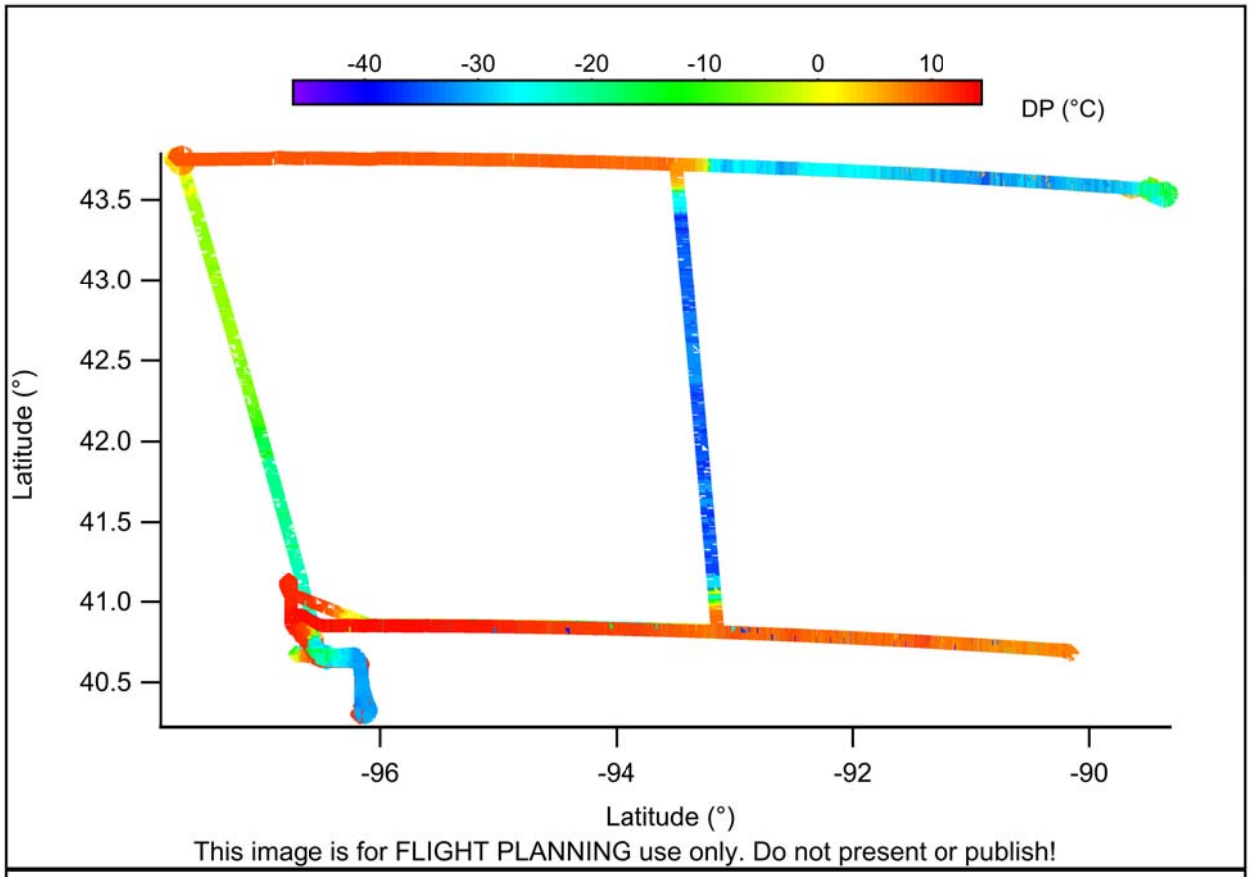

40
45
50
55
60
65
70
O3 (ppb)
20
15
10
5
0
Pressure Altitude (kft)
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

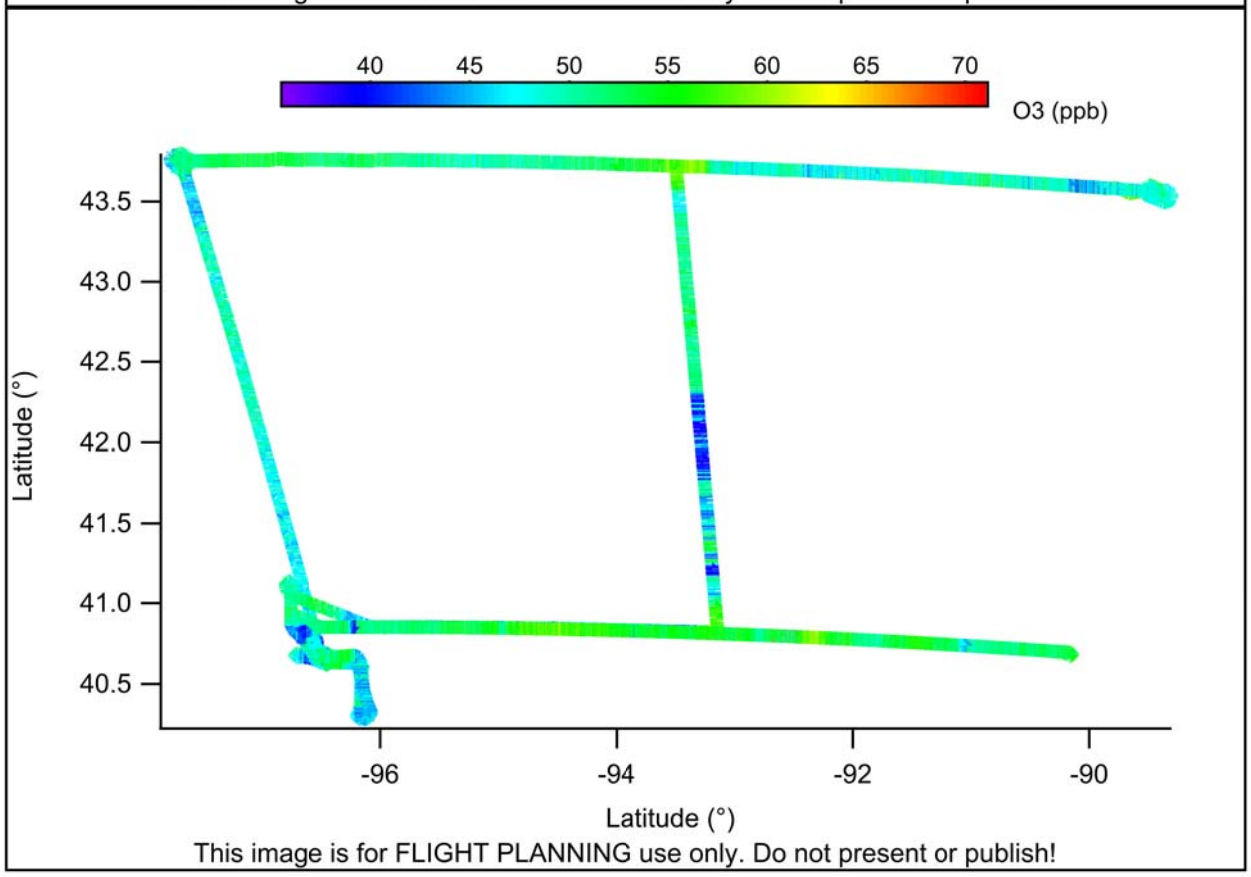

404
406
408
410
412
414
416
CO2 (ppm)
43.5
43.0
42.5
42.0
41.5
41.0
40.5
Latitude (°)
-96
-94
-92
-90
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
43.5
43.0
42.5
42.0
41.5
41.0
40.5
Latitude (°)
-96
-94
-92
-90
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


0.06
0.07
0.08
0.09
0.10
0.11
0.12
CO (ppm)
43.5
43.0
42.5
42.0
41.5
41.0
40.5
Latitude (°)
-96
-94
-92
-90
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


2
4
6
8
10
H2O_gkg (g/kg)
43.5
43.0
42.5
42.0
41.5
41.0
40.5
Latitude (°)
-96
-94
-92
-90
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


-40
-30
-20
-10
0
10
DP (°C)
43.5
43.0
42.5
42.0
41.5
41.0
40.5
Latitude (°)
-96
-94
-92
-90
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


40
45
50
55
60
65
70
O3 (ppb)
43.5
43.0
42.5
42.0
41.5
41.0
40.5
Latitude (°)
-96
-94
-92
-90
Latitude (°)
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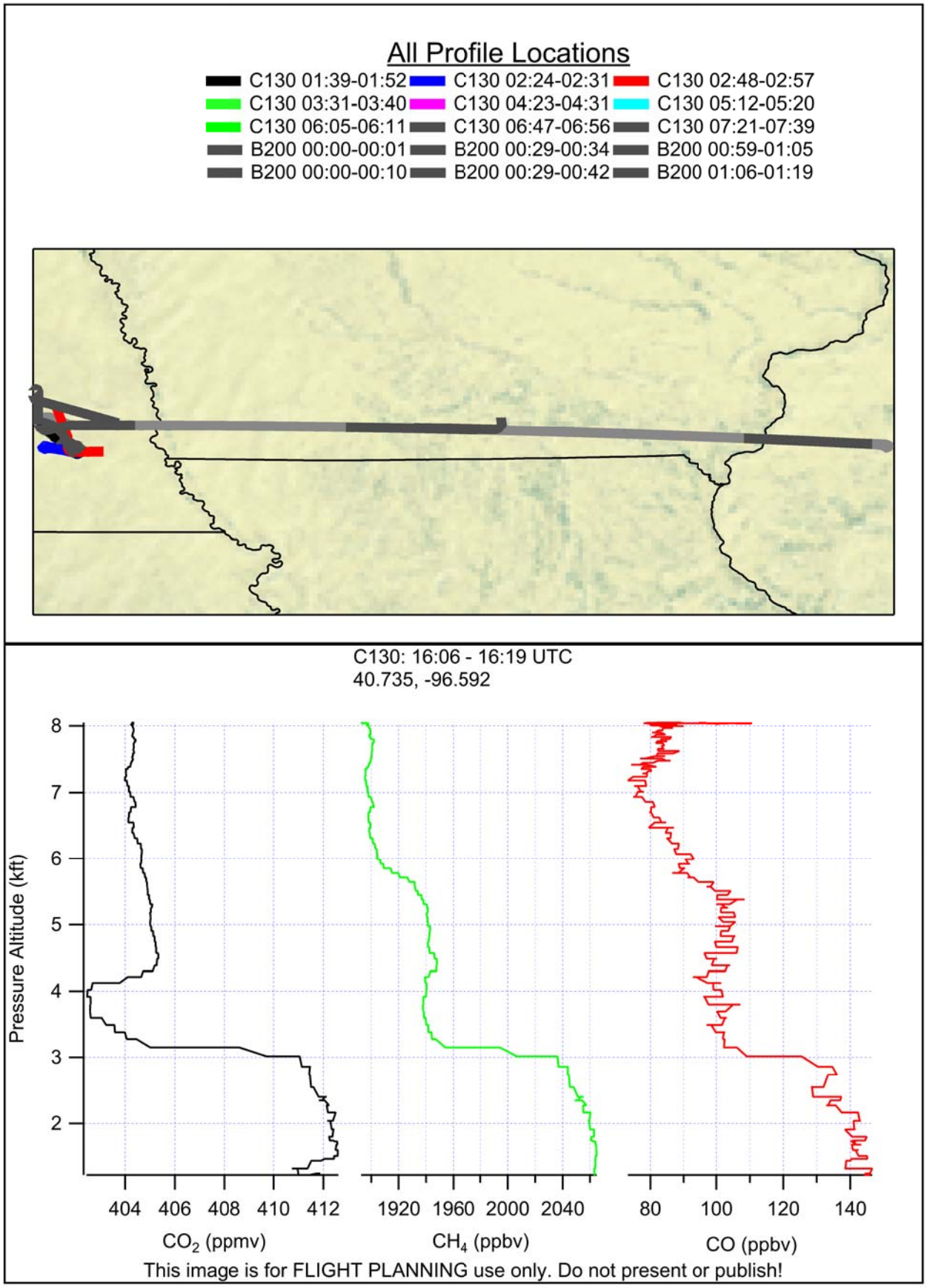
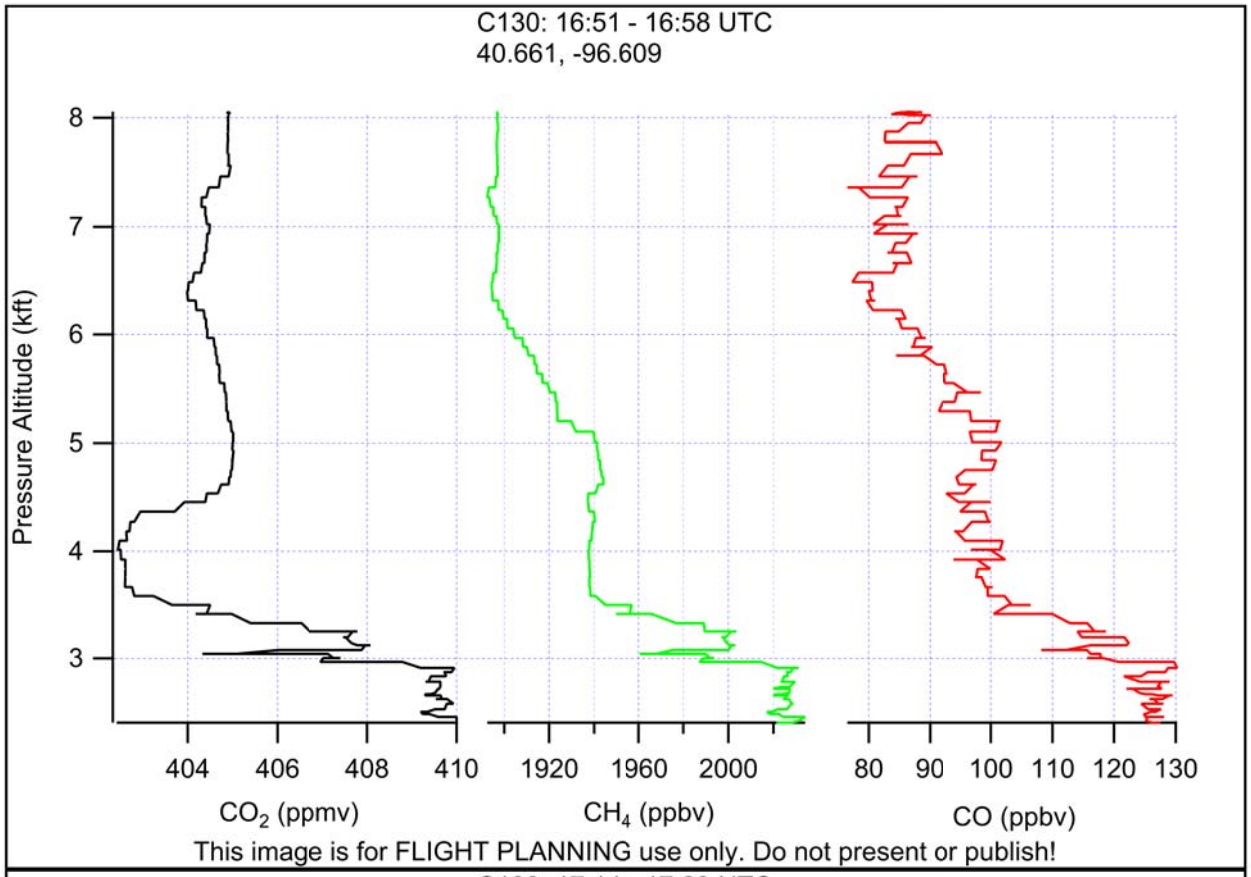
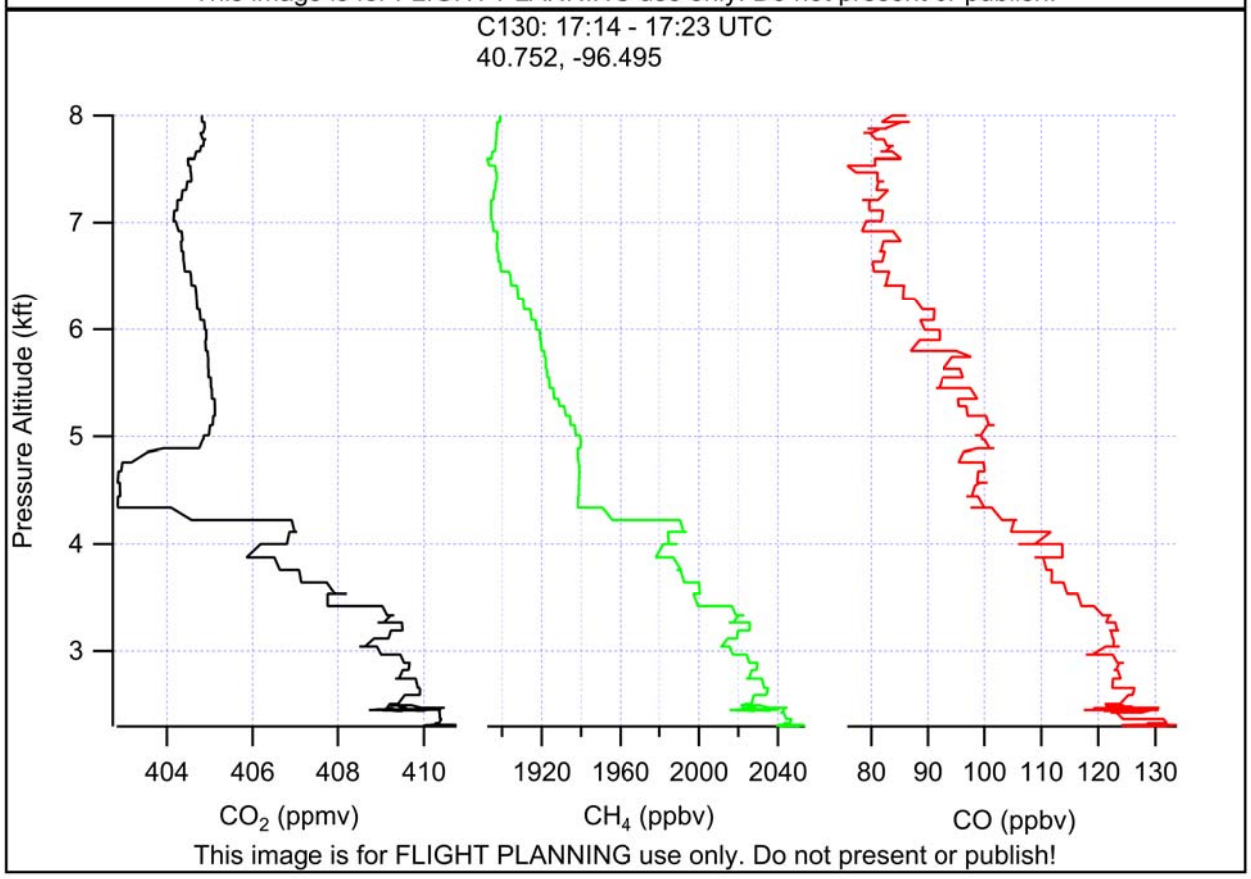
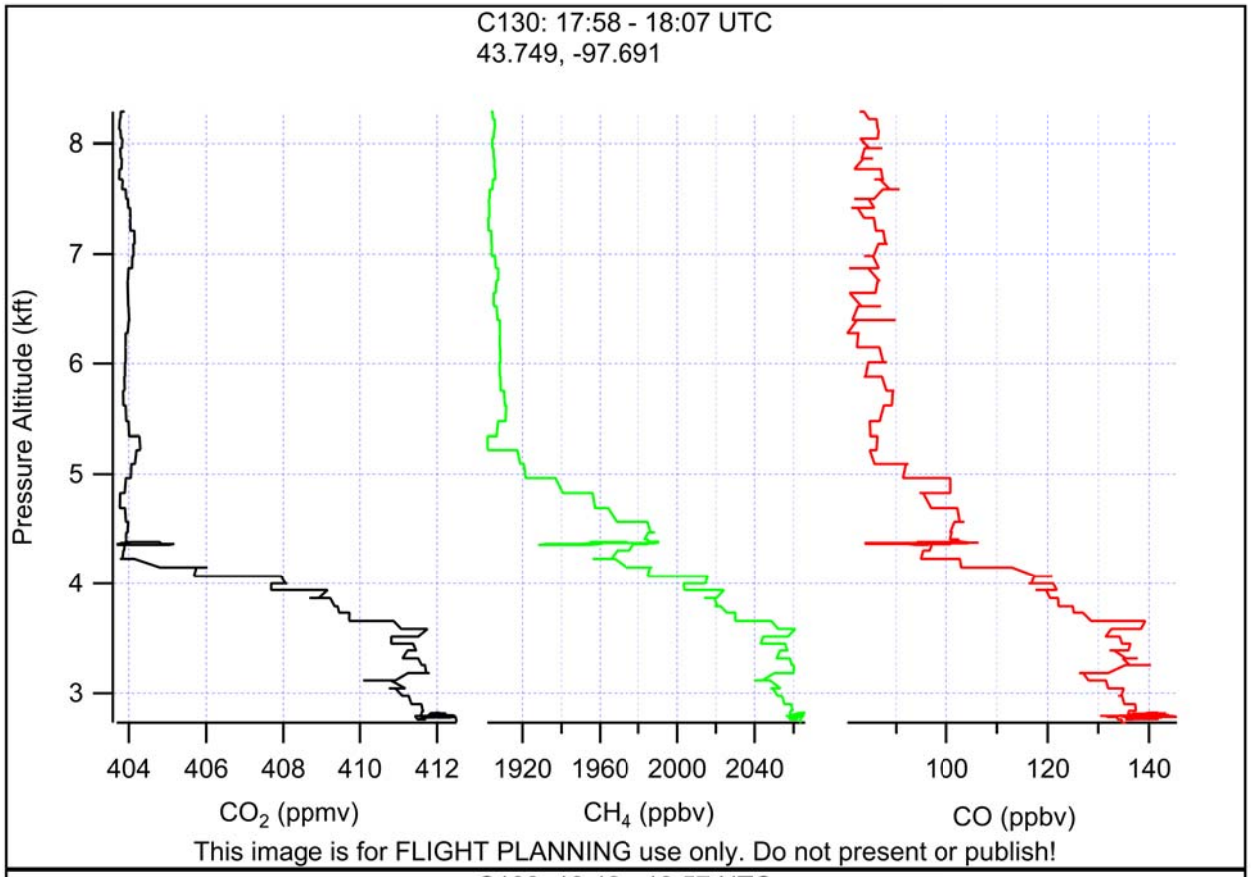
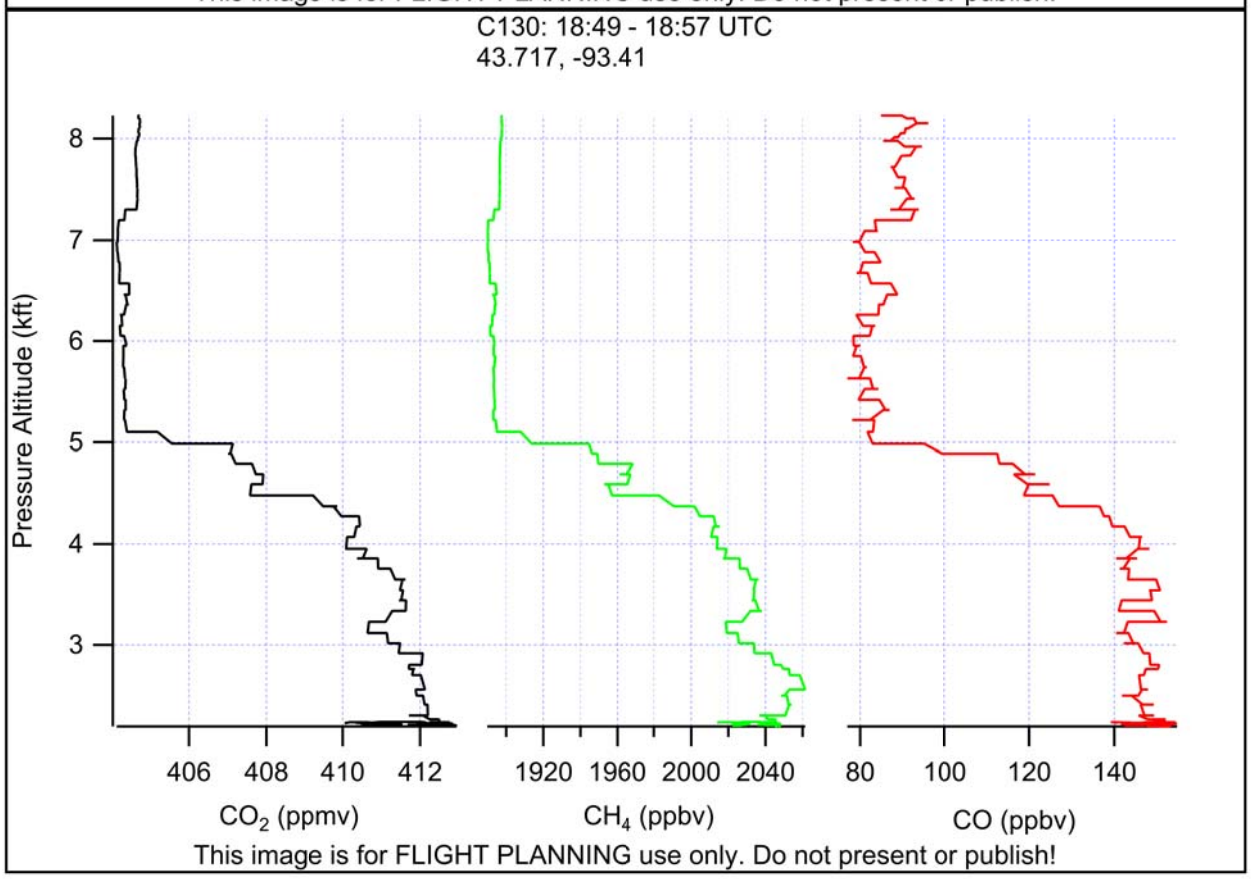
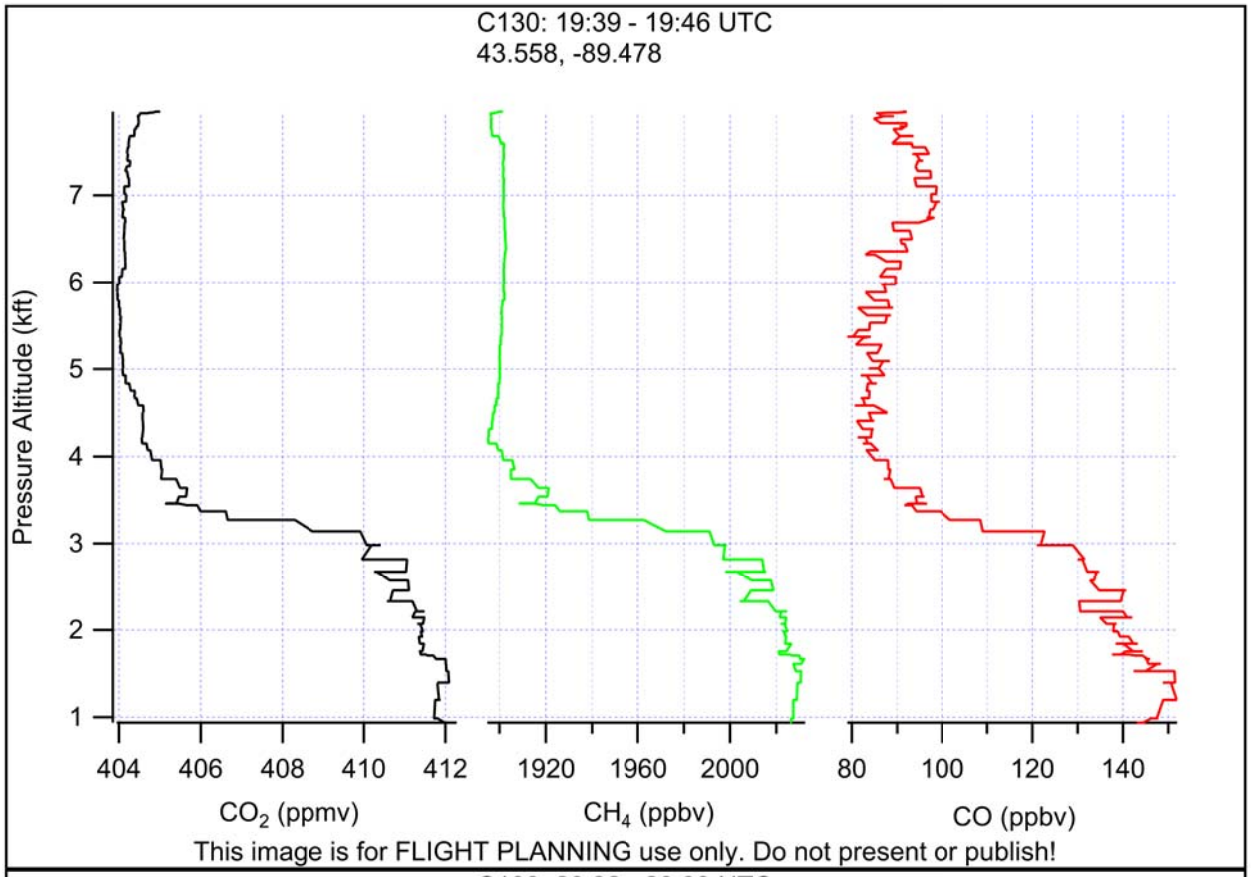

All Profile Locations
C130 01:39-01:52
C130 02:24-02:31
C130 02:48-02:57
C130 03:31-03:40
C130 04:23-04:31
C130 05:12-05:20
C130 06:05-06:11
C130 06:47-06:56
C130 07:21-07:39
B200 00:00-00:01
B200 00:29-00:34
B200 00:59-01:05
B200 00:00-00:10
B200 00:29-00:42
B200 01:06-01:19
C130: 16:06 - 16:19 UTC
40.735, -96.592
Pressure Altitude (kft)
8
7
6
5
4
3
2
404 406 408 410 412
CO2 (ppmv)
1920 1960 2000 2040
CH4 (ppbv)
80 100 120 140
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

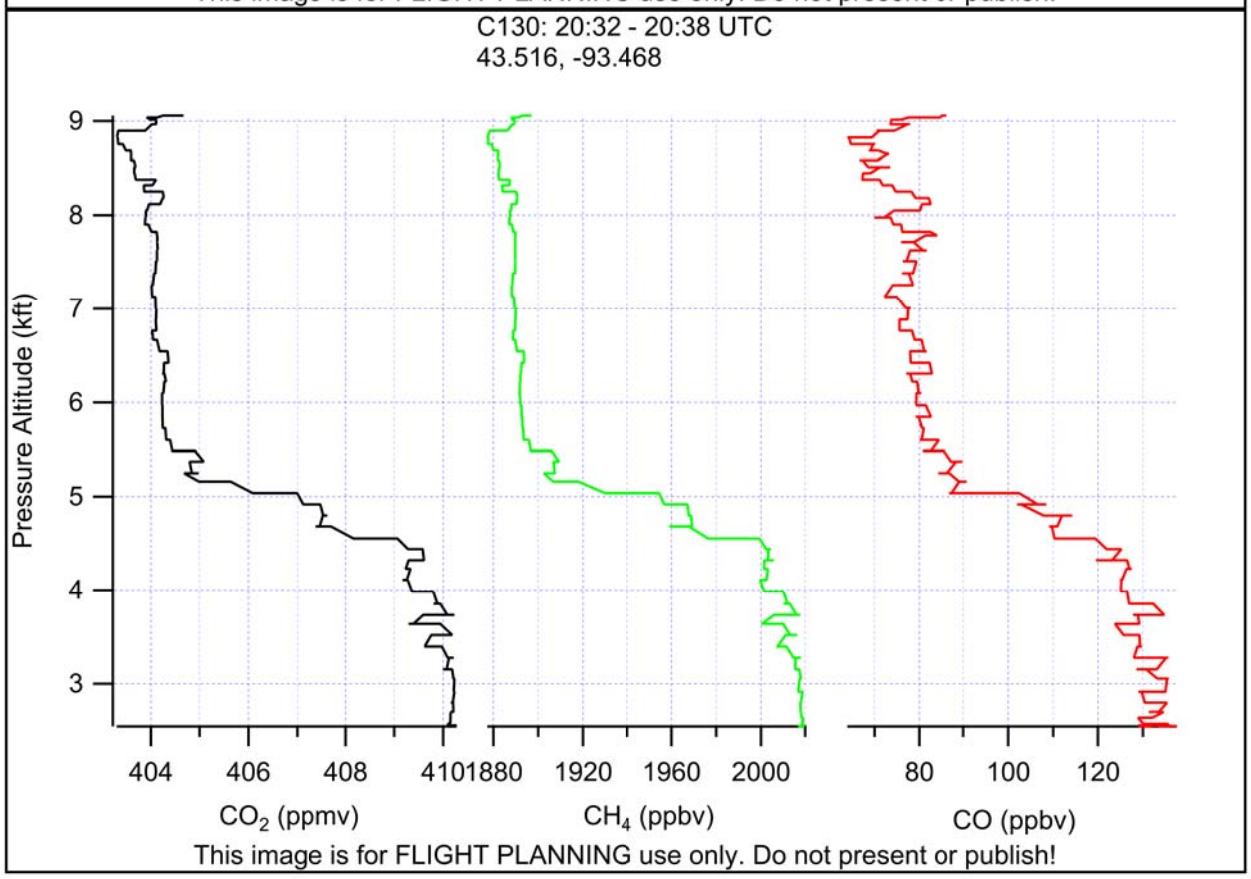

C130: 16:51 - 16:58 UTC
40.661, -96.609
Pressure Altitude (kft)
8
7
6
5
4
3
404
406
408
410
CO2 (ppmv)
1920
1960
2000
CH4 (ppbv)
80
90
100
110
120
130
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

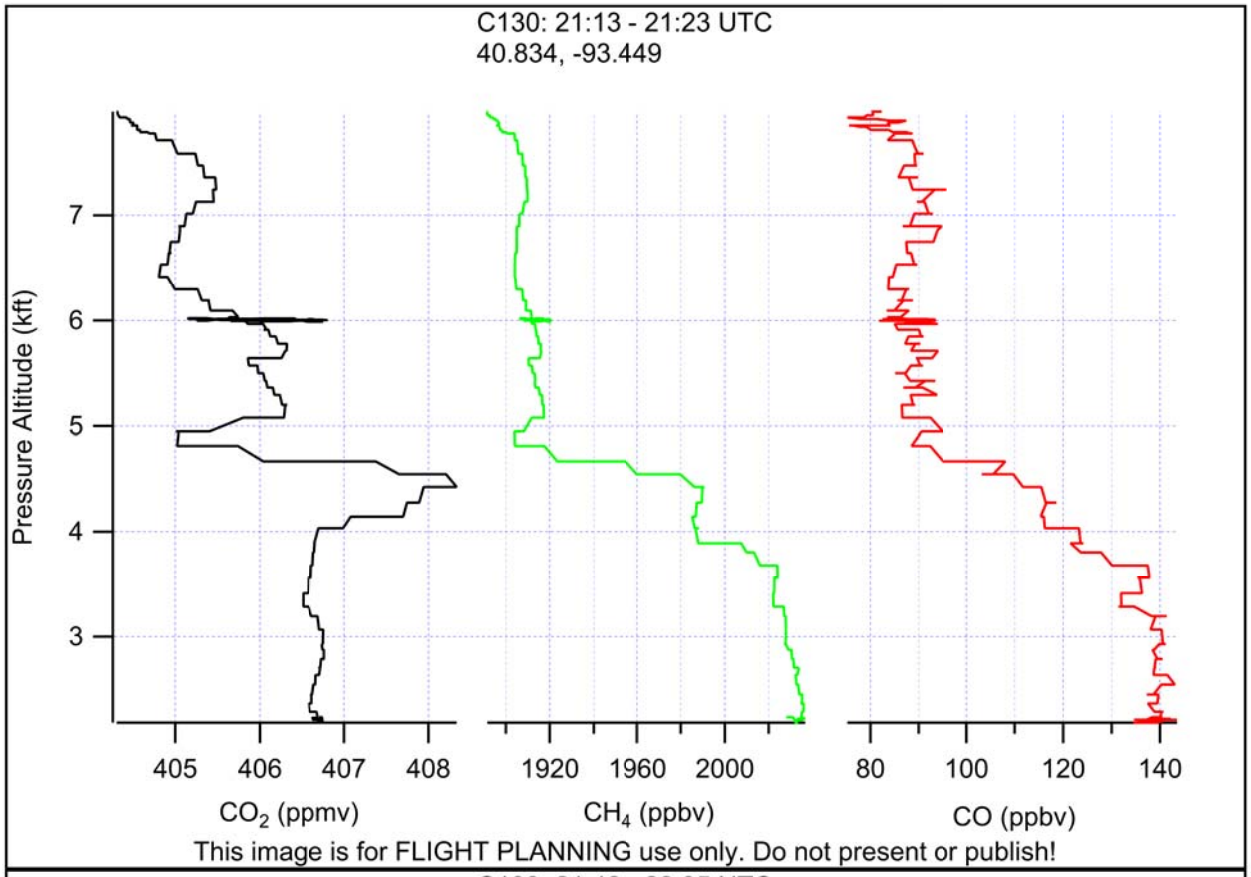

C130: 17:14 - 17:23 UTC
40.752, -96.495
Pressure Altitude (kft)
8
7
6
5
4
3
404
406
408
410
CO2 (ppmv)
1920
1960
2000
2040
CH4 (ppbv)
80
90
100
110
120
130
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

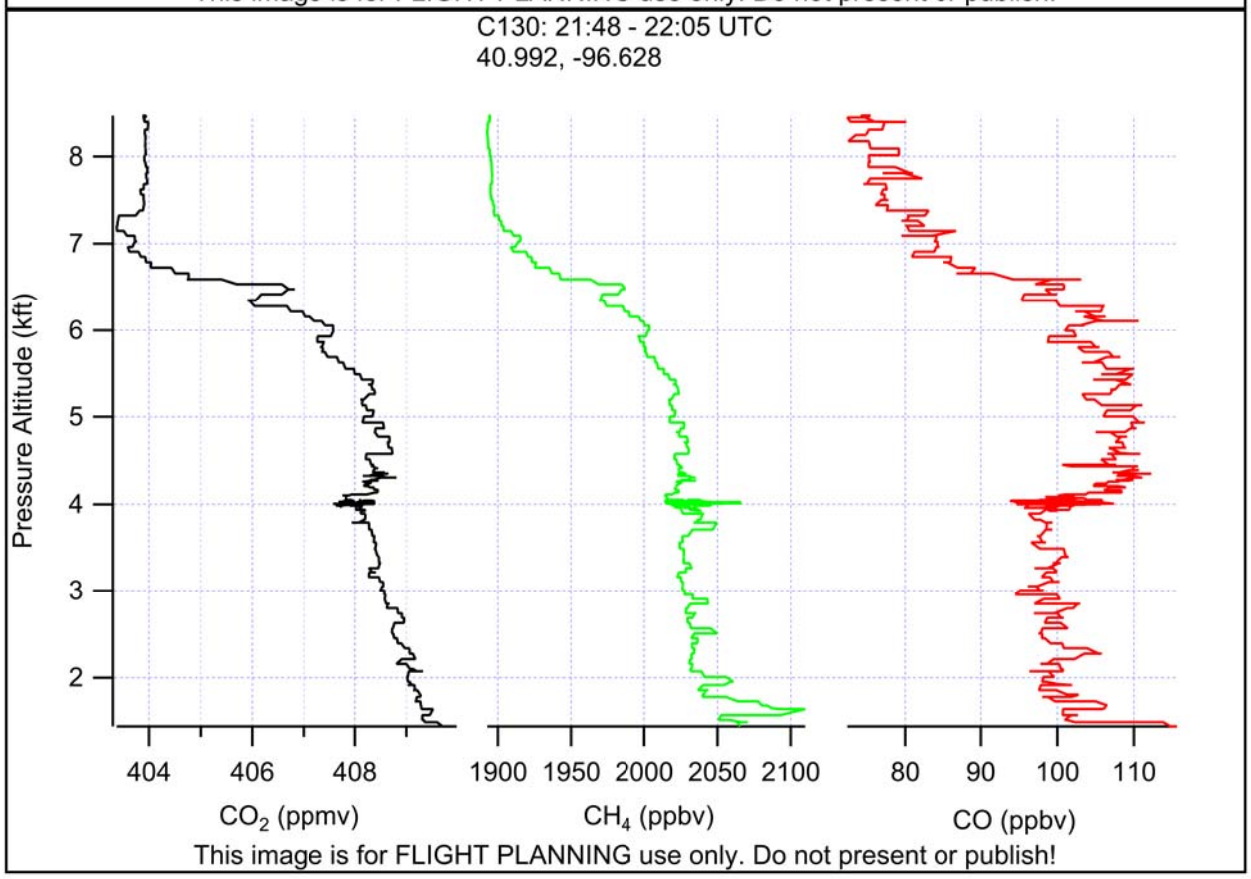

C130: 17:58 - 18:07 UTC
43.749, -97.691
Pressure Altitude (kft)
8
7
6
5
4
3
404 406 408 410 412
CO2 (ppmv)
1920 1960 2000 2040
CH4 (ppbv)
100 120 140
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

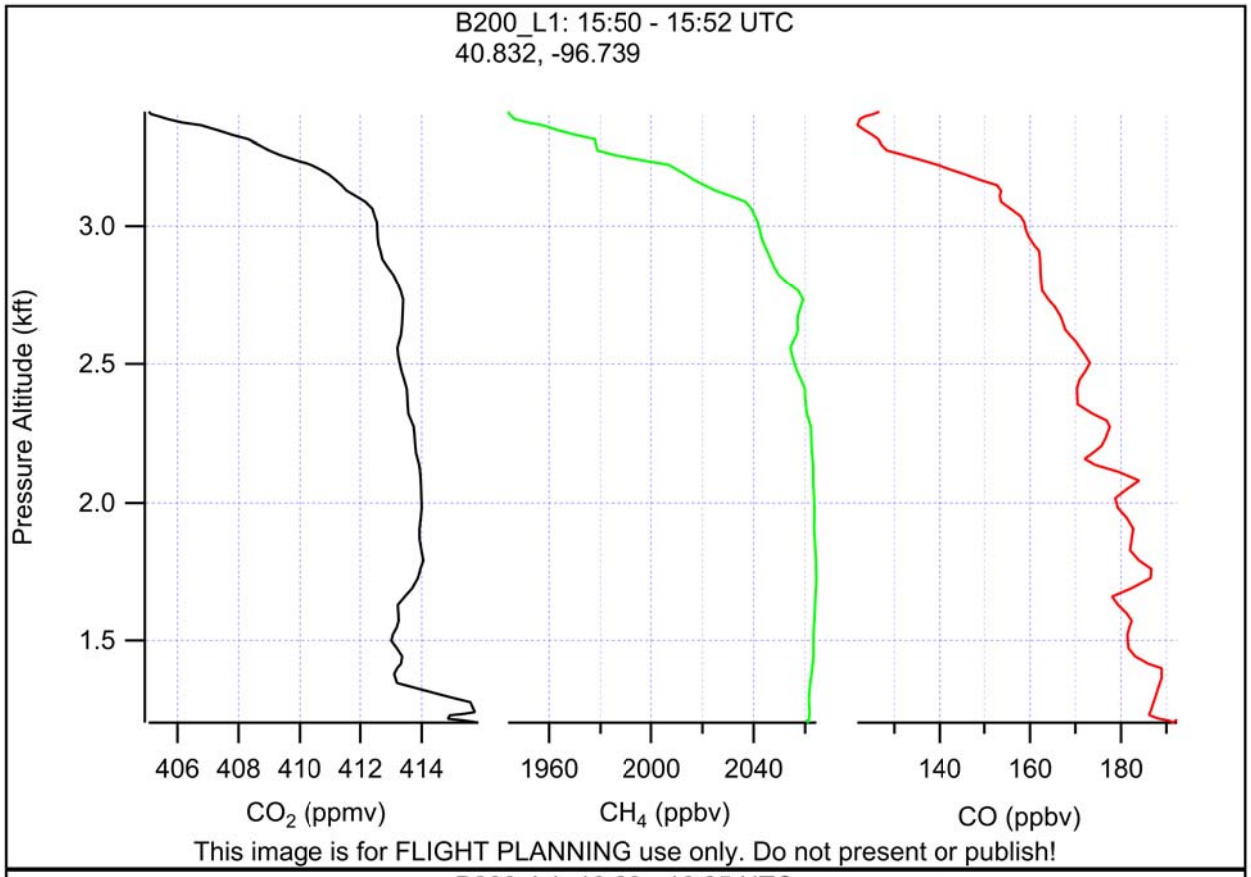

C130: 18:49 - 18:57 UTC
43.717, -93.41
Pressure Altitude (kft)
8
7
6
5
4
3
406 408 410 412
CO2 (ppmv)
1920 1960 2000 2040
CH4 (ppbv)
80 100 120 140
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

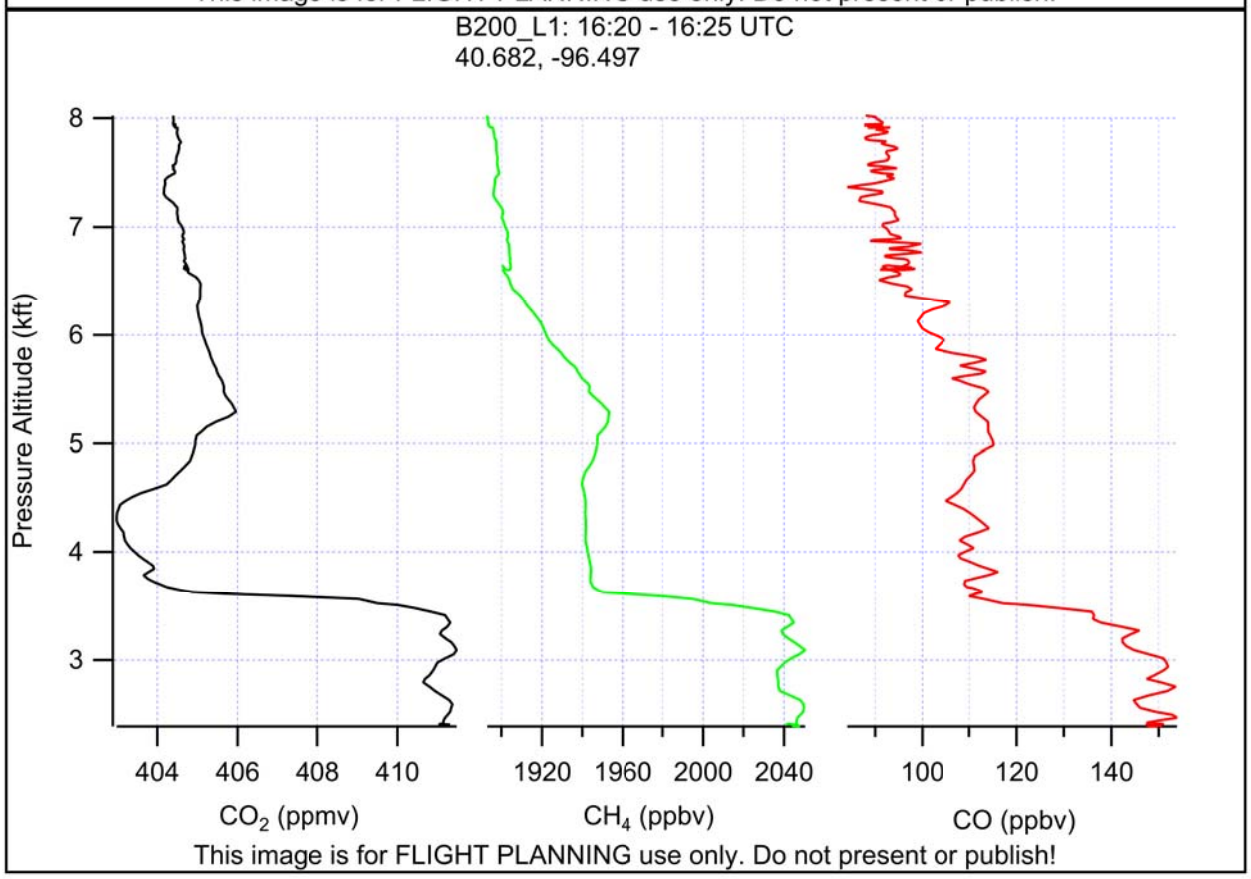

C130: 19:39 - 19:46 UTC
43.558, -89.478
Pressure Altitude (kft)
1
2
3
4
5
6
7
404
406
408
410
412
CO_2 (ppmv)
1920
1960
2000
CH_4 (ppbv)
80
100
120
140
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

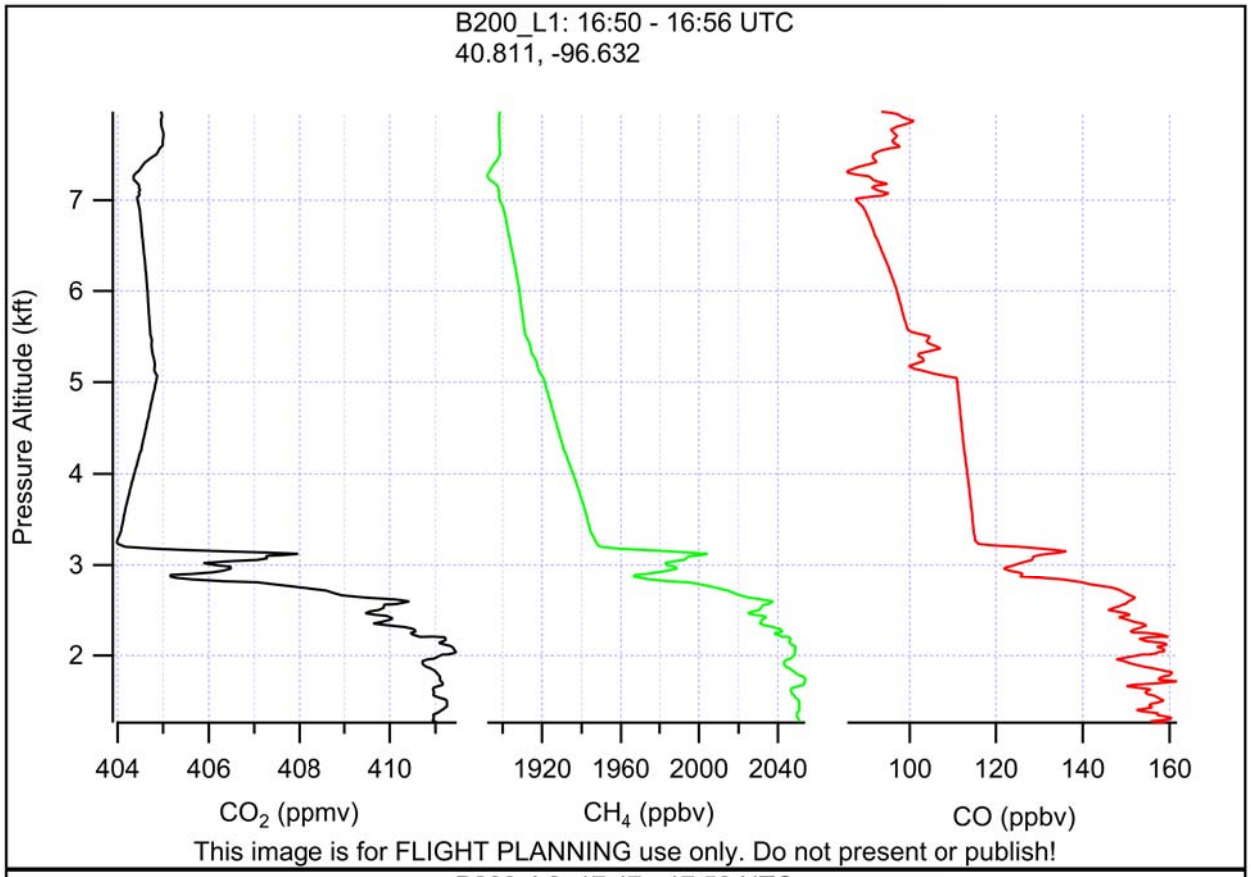

C130: 20:32 - 20:38 UTC
43.516, -93.468
Pressure Altitude (kft)
3
4
5
6
7
8
9
404
406
408
410
CO_2 (ppmv)
1880
1920
1960
2000
CH_4 (ppbv)
80
100
120
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

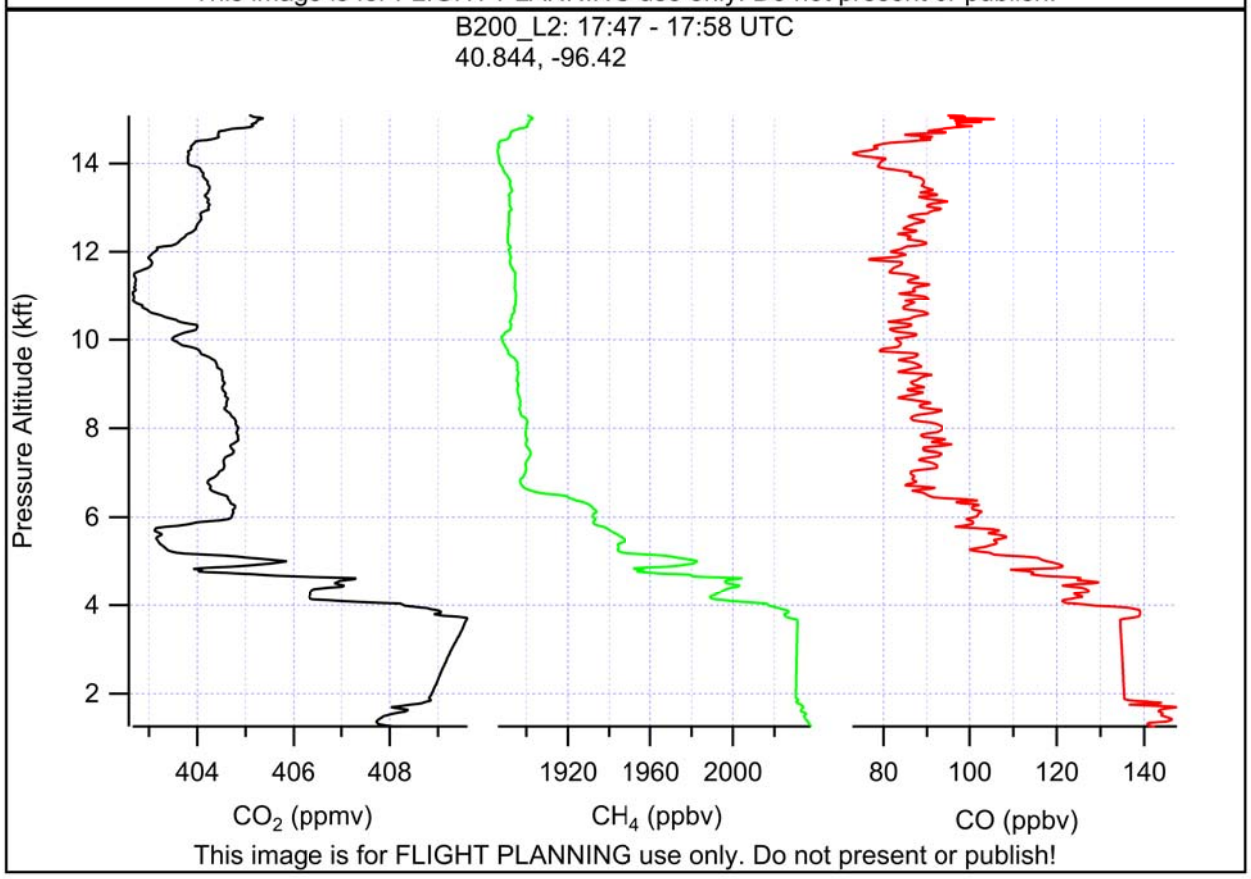

C130: 21:13 - 21:23 UTC
40.834, -93.449
Pressure Altitude (kft)
7
6
5
4
3
405
406
407
408
CO_2 (ppmv)
1920
1960
2000
CH_4 (ppbv)
80
100
120
140
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

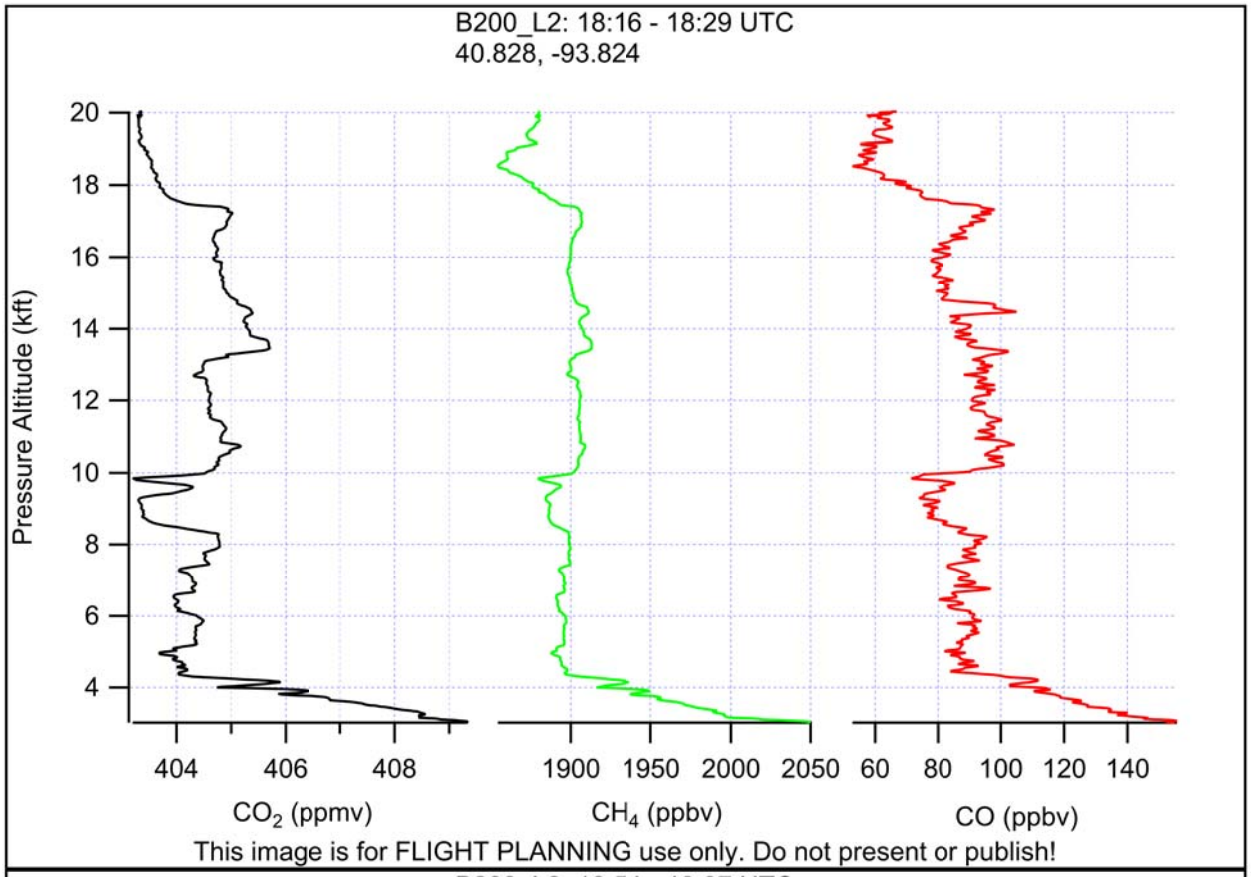

C130: 21:48 - 22:05 UTC
40.992, -96.628
Pressure Altitude (kft)
8
7
6
5
4
3
2
404
406
408
CO_2 (ppmv)
1900
1950
2000
2050
2100
CH_4 (ppbv)
80
90
100
110
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

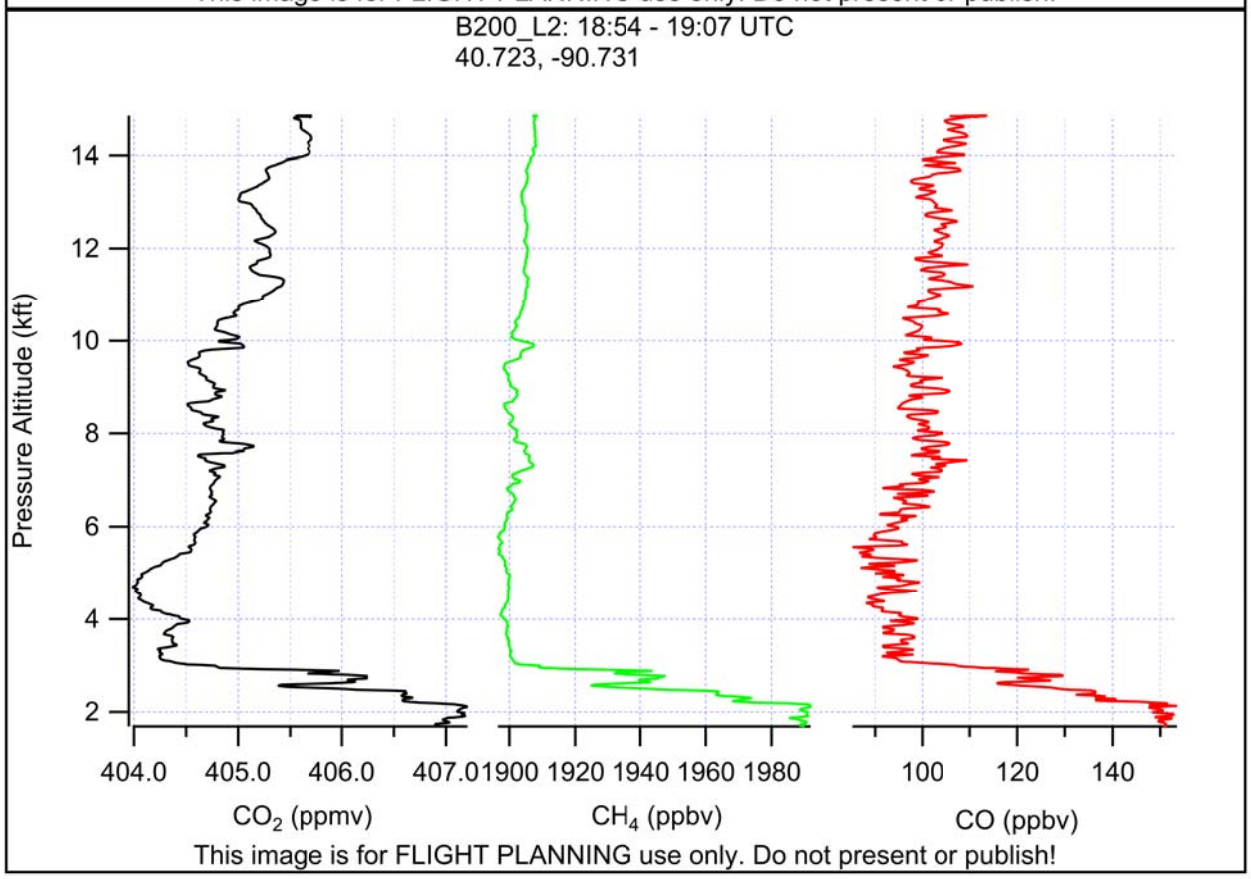

B200_L1: 15:50 - 15:52 UTC
40.832, -96.739
Pressure Altitude (kft)
3.0
2.5
2.0
1.5
406 408 410 412 414
CO2 (ppmv)
1960 2000 2040
CH4 (ppbv)
140 160 180
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

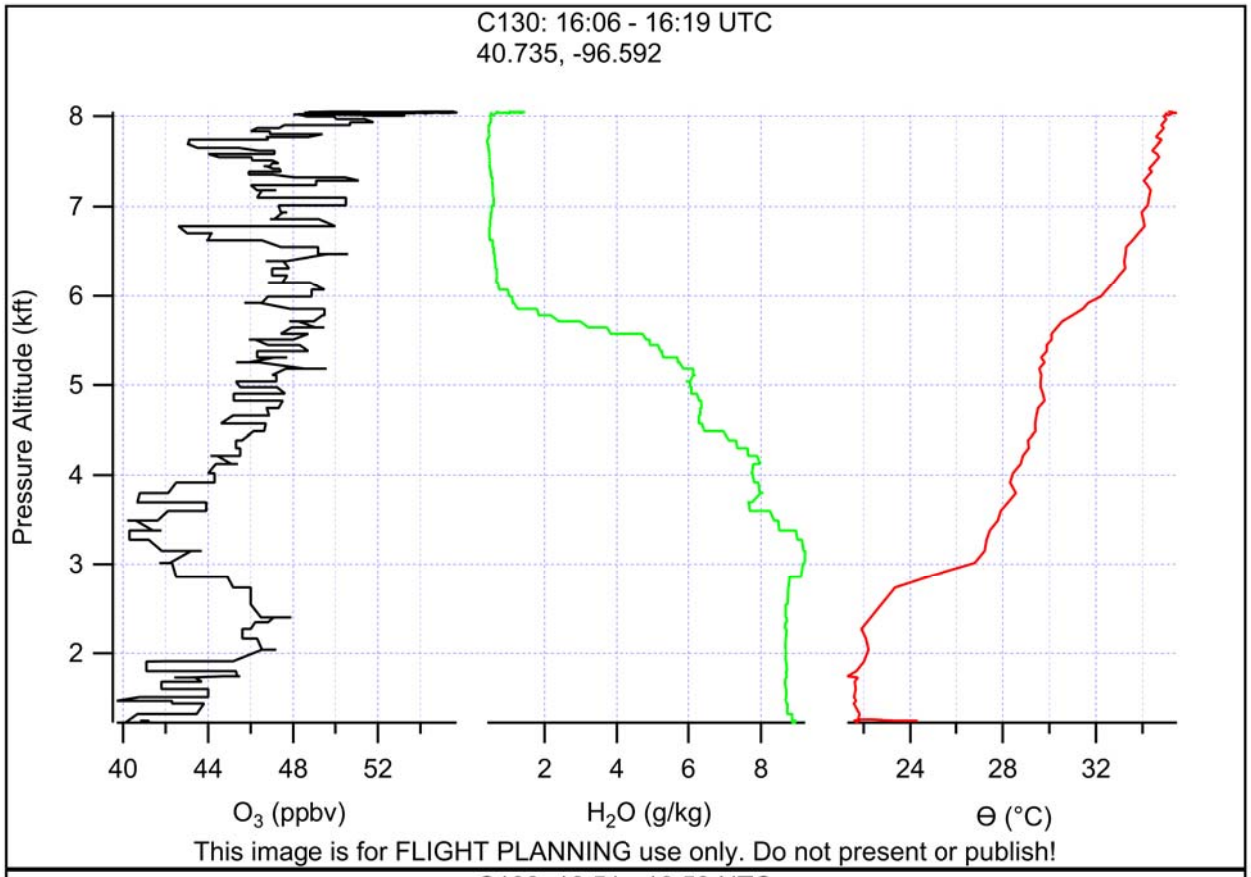

B200_L1: 16:20 - 16:25 UTC
40.682, -96.497
Pressure Altitude (kft)
8
7
6
5
4
3
404 406 408 410
CO2 (ppmv)
1920 1960 2000 2040
CH4 (ppbv)
100 120 140
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

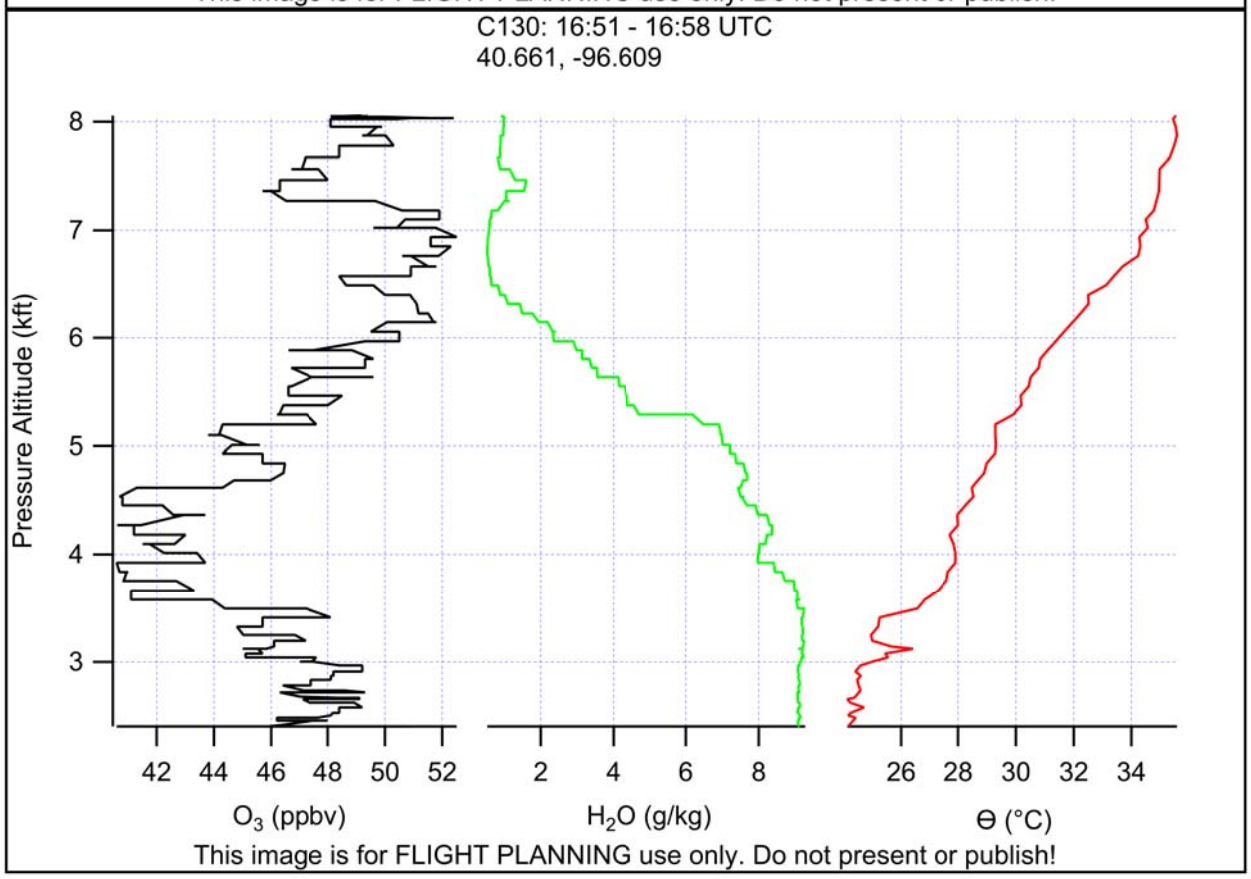

B200_L1: 16:50 - 16:56 UTC
40.811, -96.632
Pressure Altitude (kft)
7
6
5
4
3
2
404
406
408
410
CO_2 (ppmv)
1920
1960
2000
2040
CH_4 (ppbv)
100
120
140
160
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

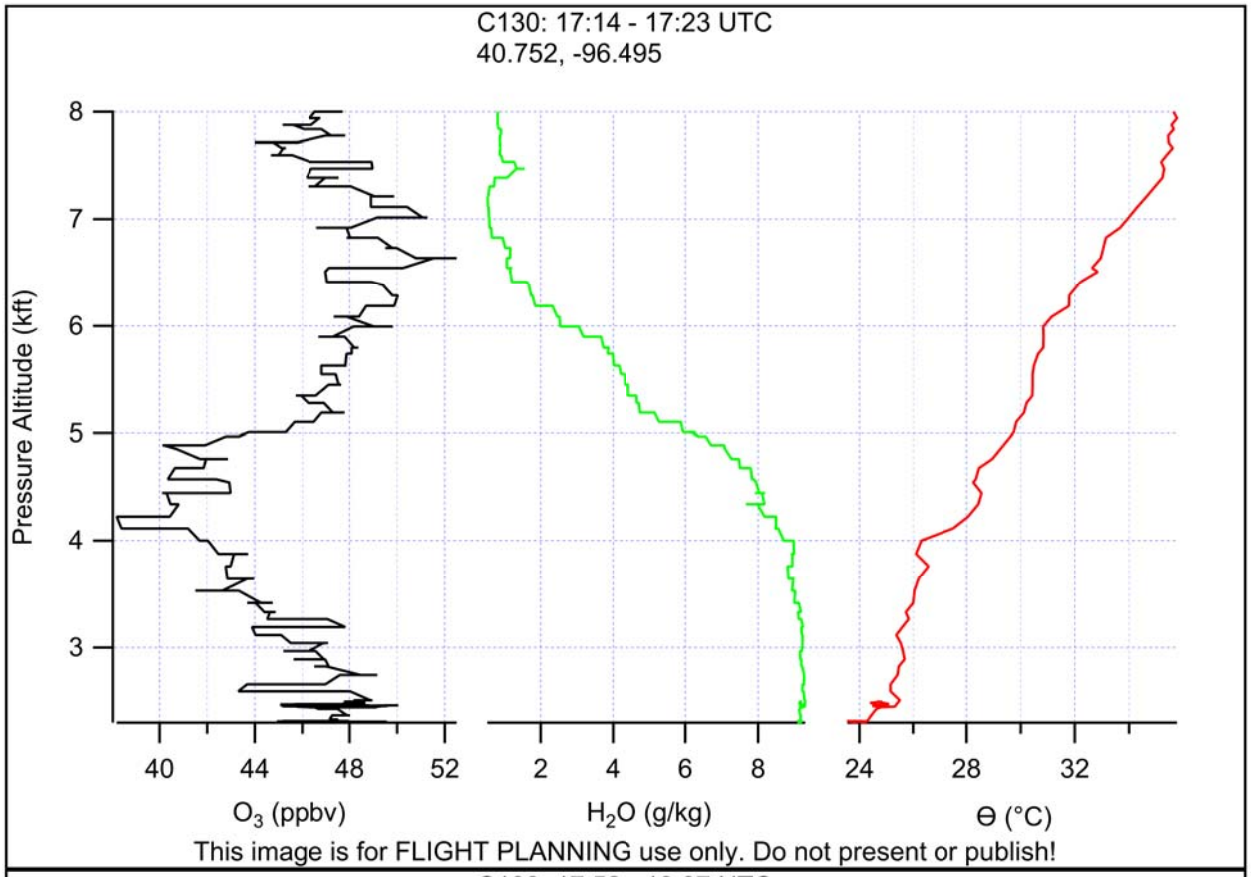

B200_L2: 17:47 - 17:58 UTC
40.844, -96.42
Pressure Altitude (kft)
14
12
10
8
6
4
2
404
406
408
CO_2 (ppmv)
1920
1960
2000
CH_4 (ppbv)
80
100
120
140
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

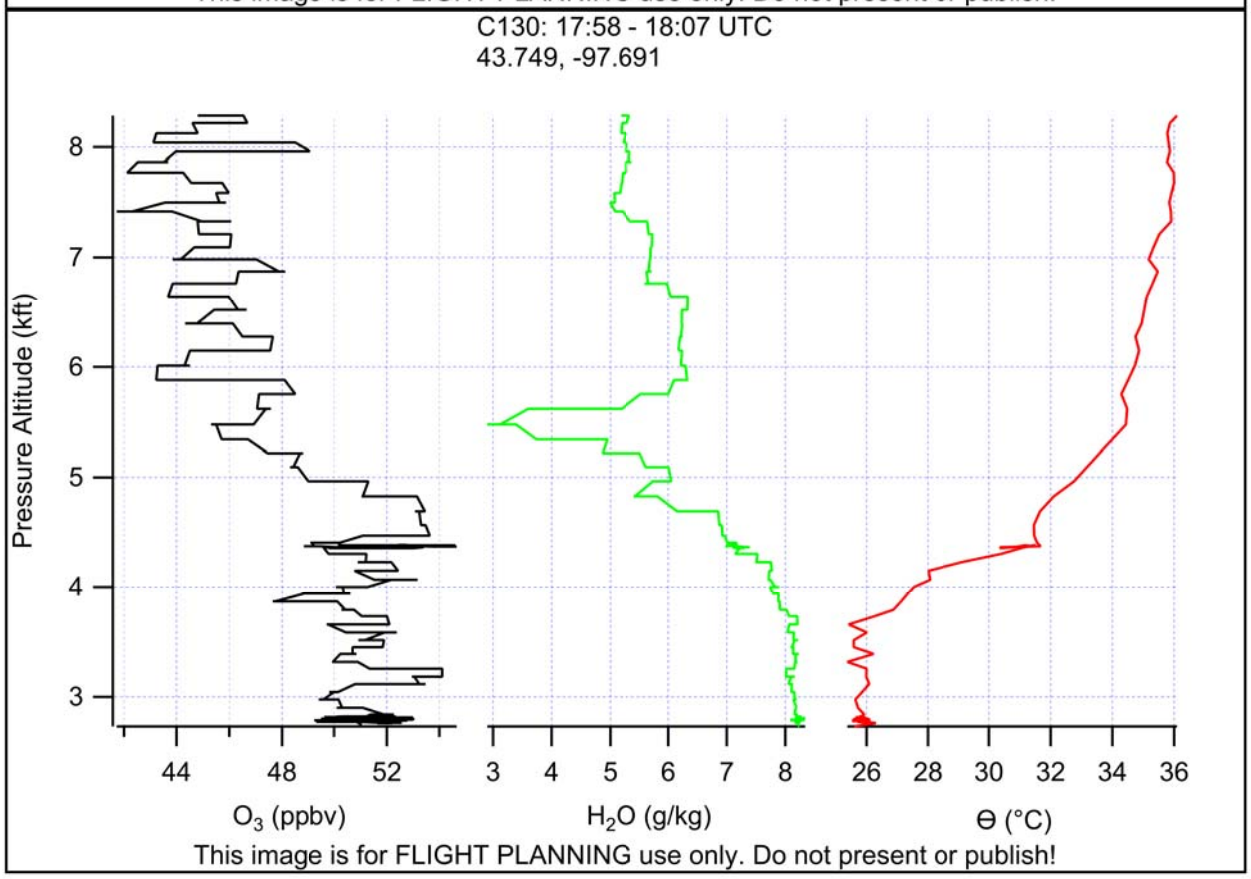

B200_L2: 18:16 - 18:29 UTC
40.828, -93.824
Pressure Altitude (kft)
20
18
16
14
12
10
8
6
4
404
406
408
CO2 (ppmv)
1900
1950
2000
2050
CH4 (ppbv)
60
80
100
120
140
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

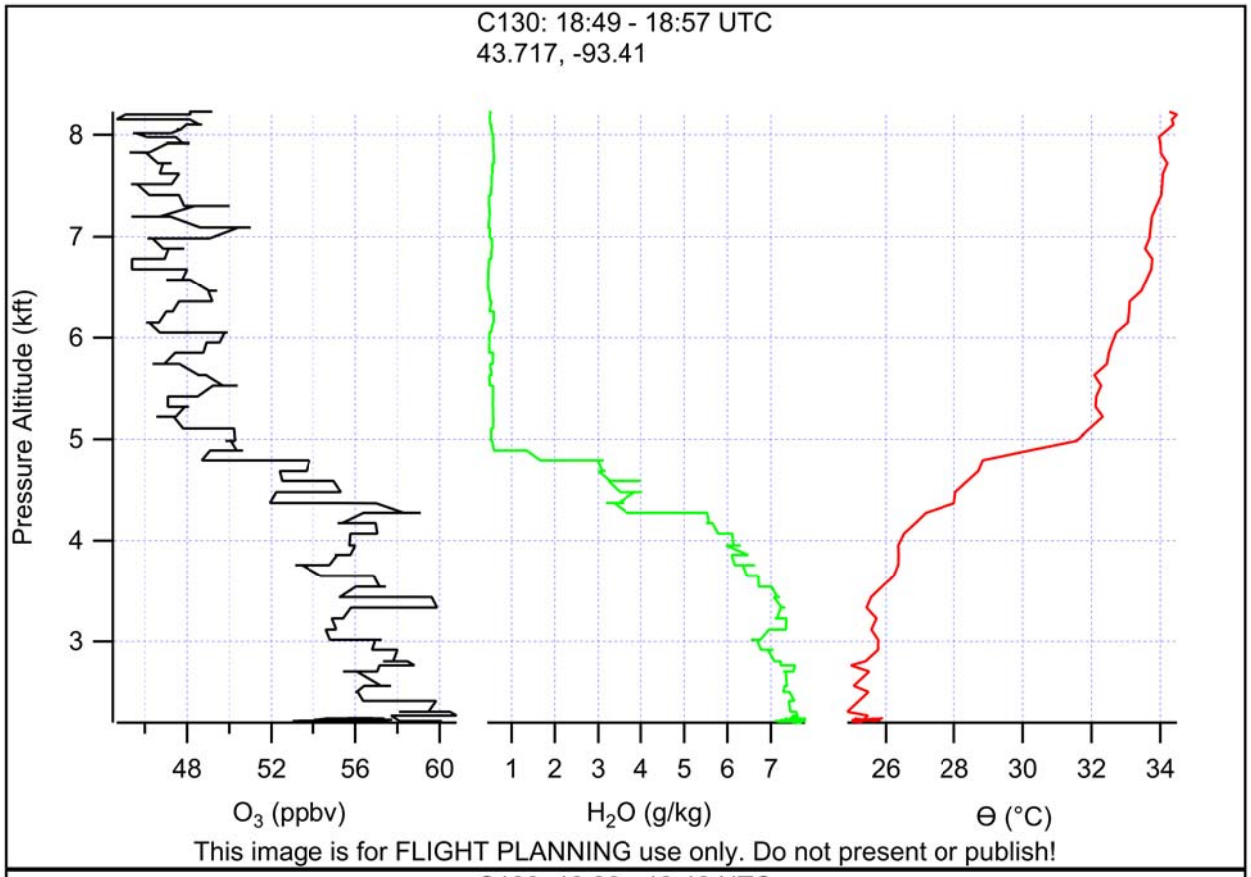

B200_L2: 18:54 - 19:07 UTC
40.723, -90.731
Pressure Altitude (kft)
14
12
10
8
6
4
2
404.0
405.0
406.0
407.0
CO2 (ppmv)
1900
1920
1940
1960
1980
CH4 (ppbv)
100
120
140
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

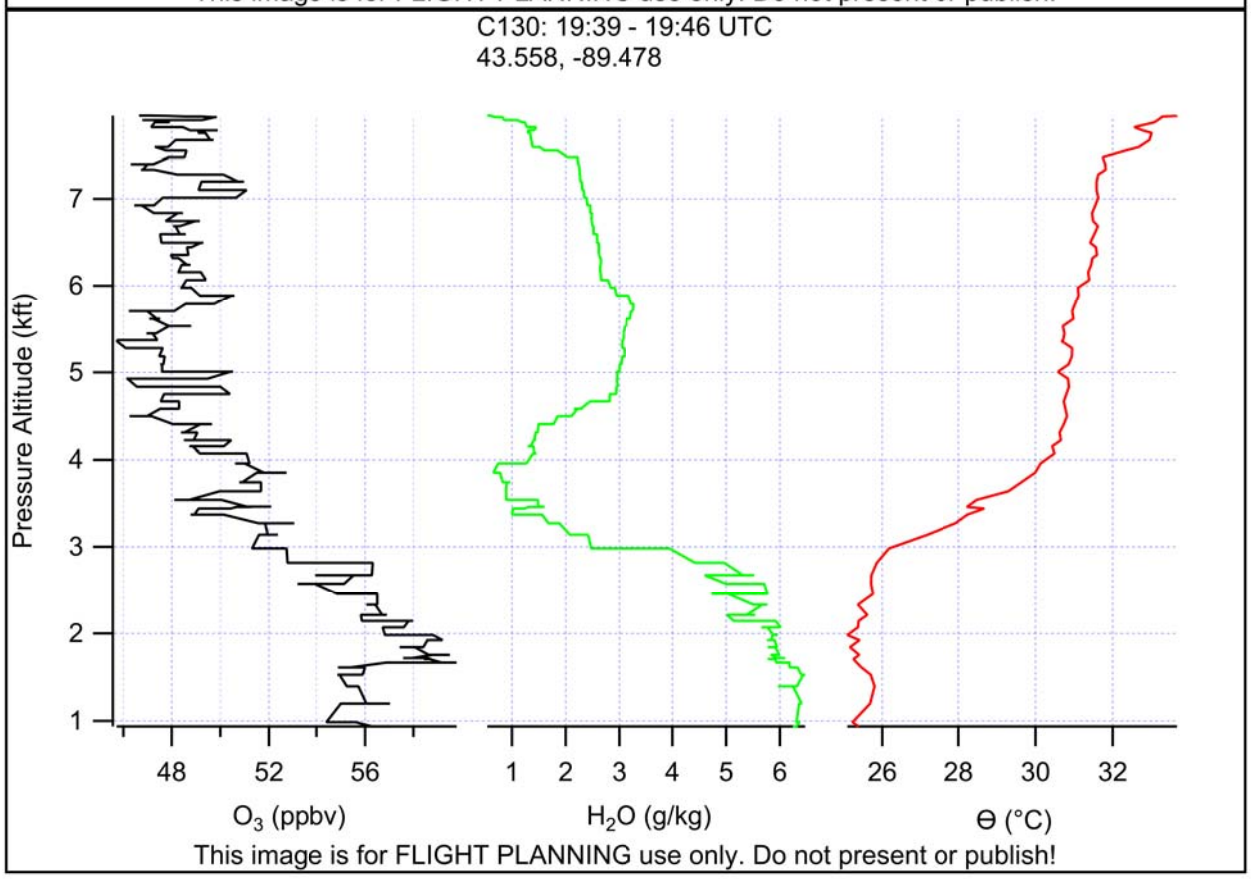

C130: 16:06 - 16:19 UTC
40.735, -96.592
Pressure Altitude (kft)
8
7
6
5
4
3
2
40
44
48
52
O3 (ppbv)
2
4
6
8
H2O (g/kg)
24
28
32
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

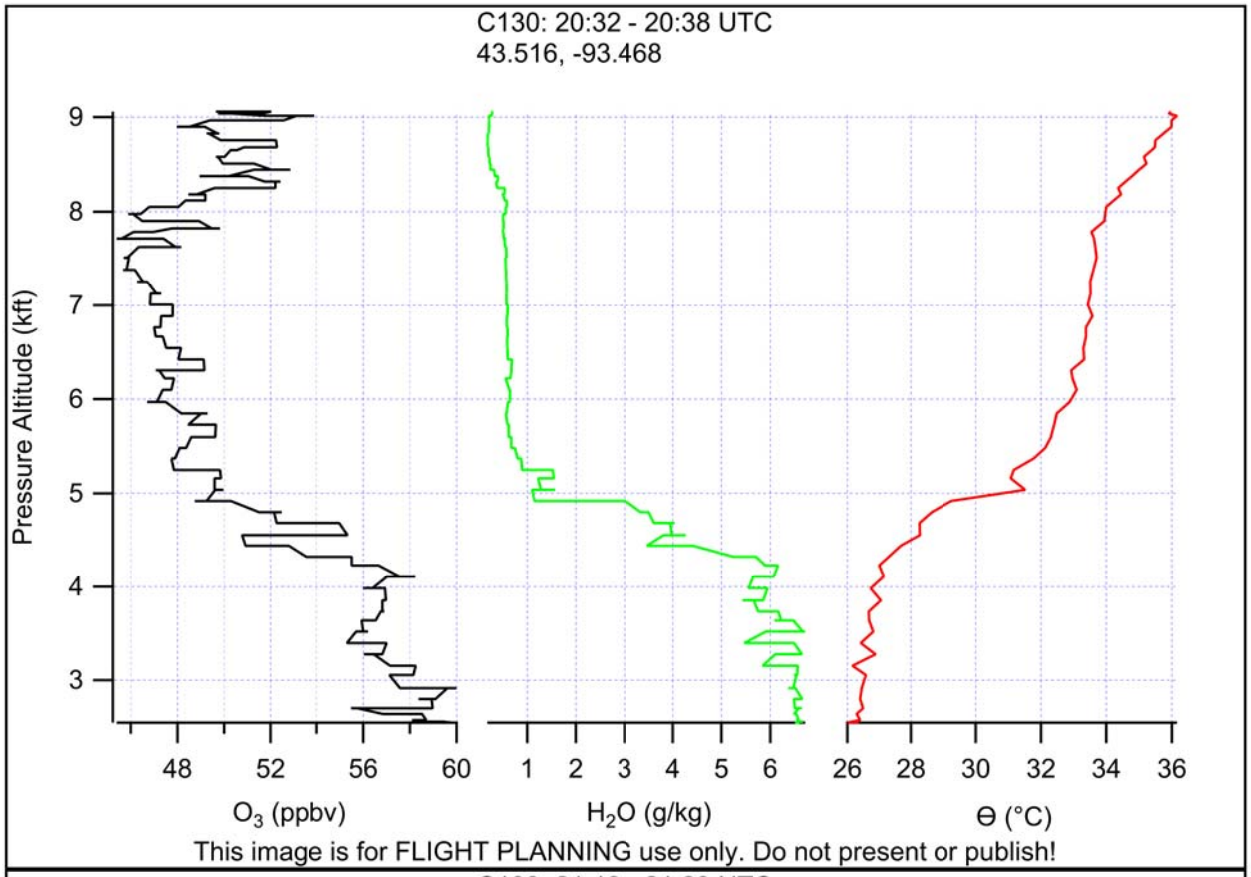

C130: 16:51 - 16:58 UTC
40.661, -96.609
Pressure Altitude (kft)
8
7
6
5
4
3
42
44
46
48
50
52
O3 (ppbv)
2
4
6
8
H2O (g/kg)
26
28
30
32
34
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

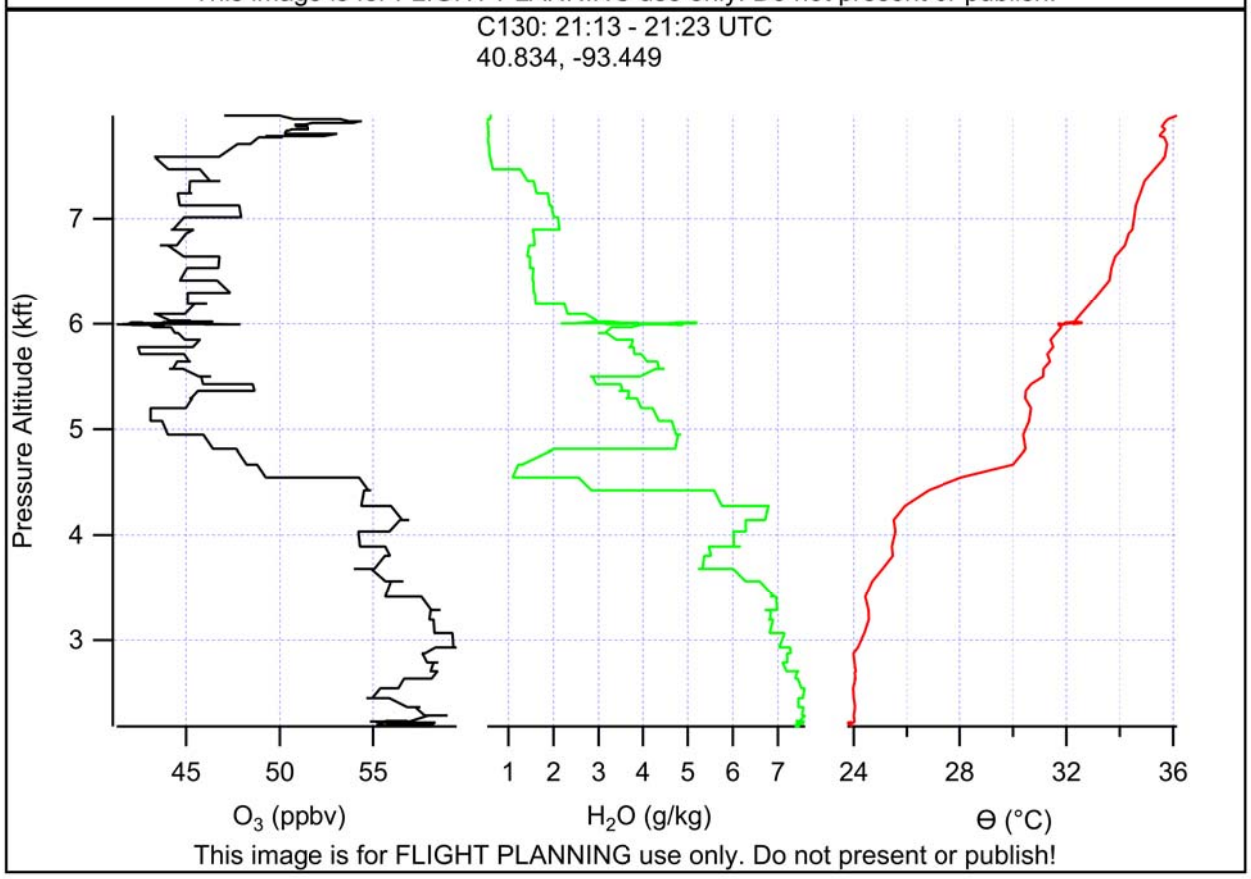

C130: 17:14 - 17:23 UTC
40.752, -96.495
Pressure Altitude (kft)
8
7
6
5
4
3
40
44
48
52
O3 (ppbv)
2
4
6
8
H2O (g/kg)
24
28
32
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

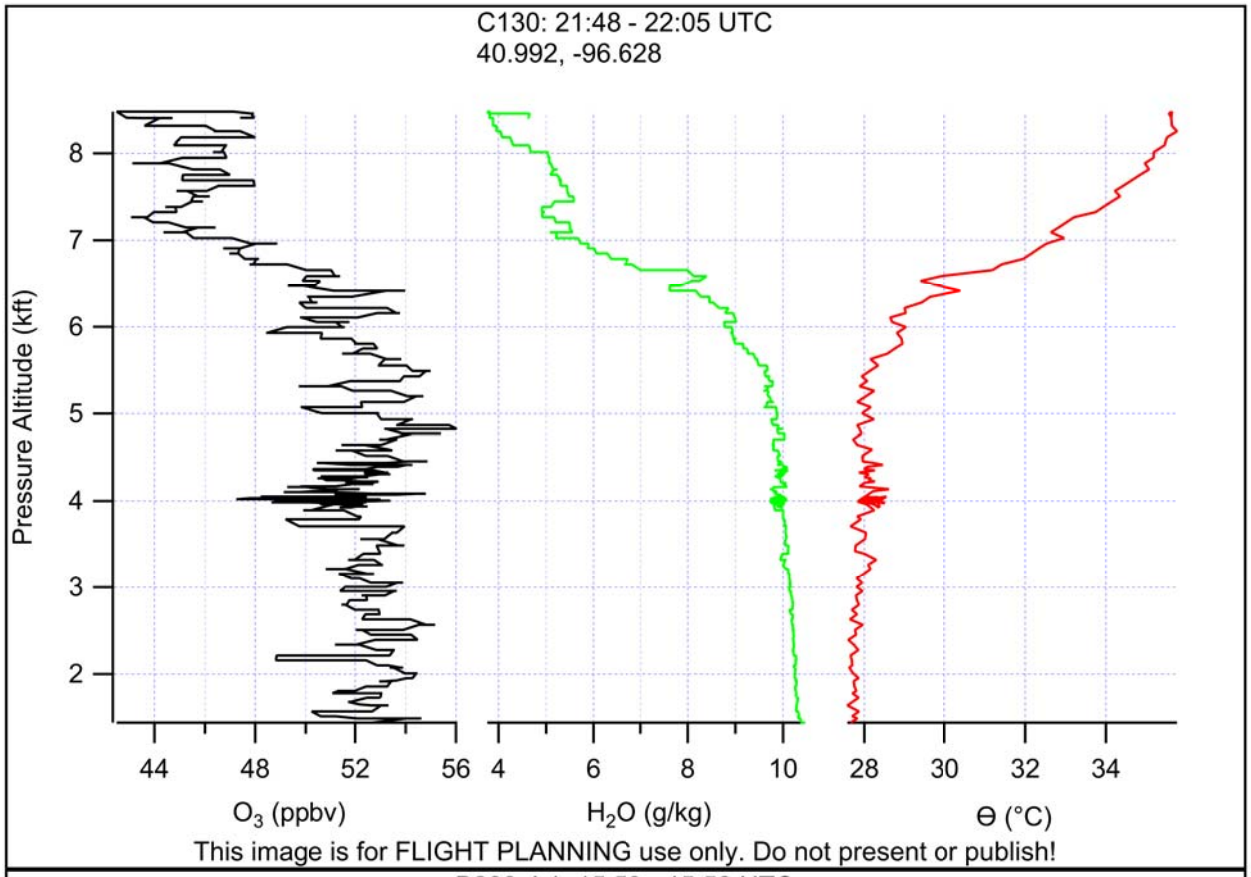

C130: 17:58 - 18:07 UTC
43.749, -97.691
Pressure Altitude (kft)
8
7
6
5
4
3
44
48
52
O3 (ppbv)
3
4
5
6
7
8
H2O (g/kg)
26
28
30
32
34
36
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

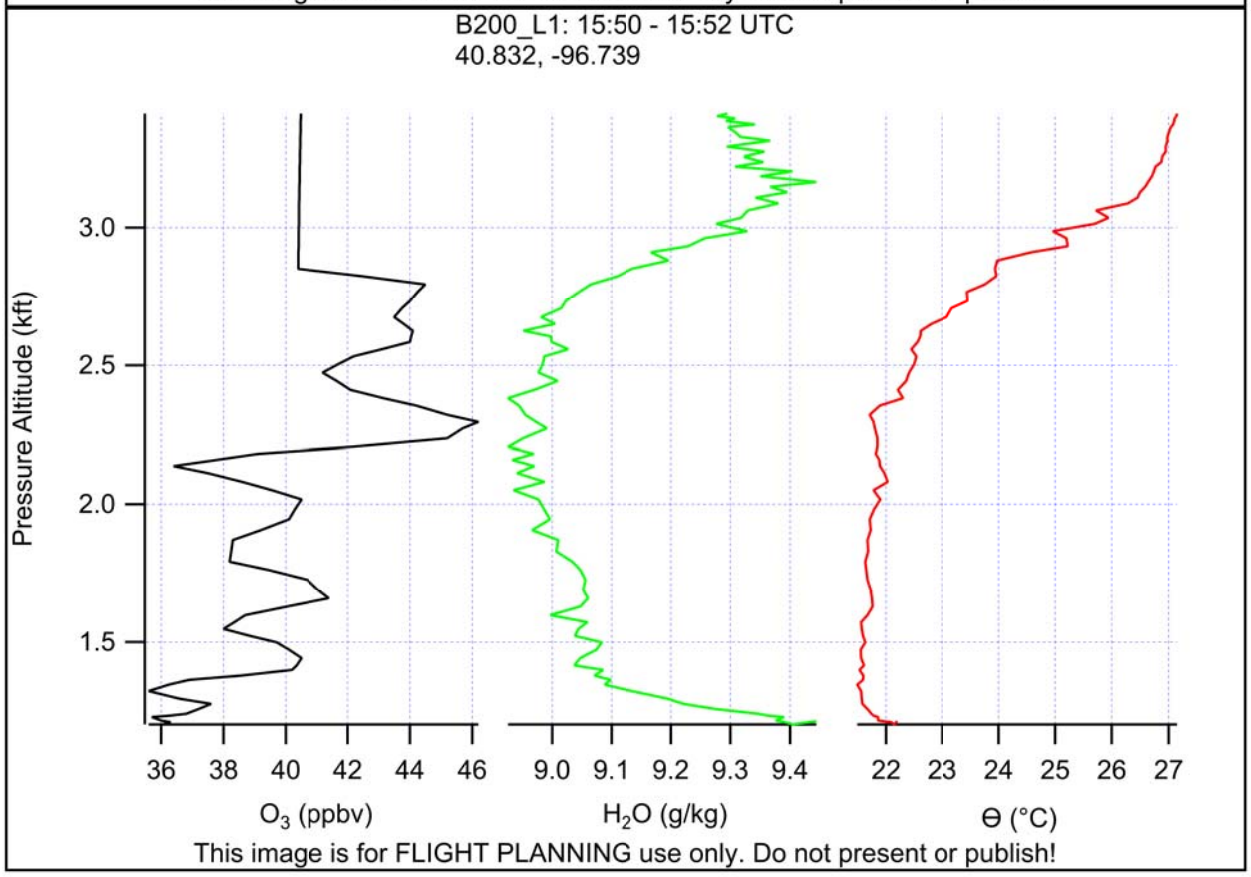

C130: 18:49 - 18:57 UTC
43.717, -93.41
Pressure Altitude (kft)
8
7
6
5
4
3
48
52
56
60
O3 (ppbv)
1
2
3
4
5
6
7
H2O (g/kg)
26
28
30
32
34
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

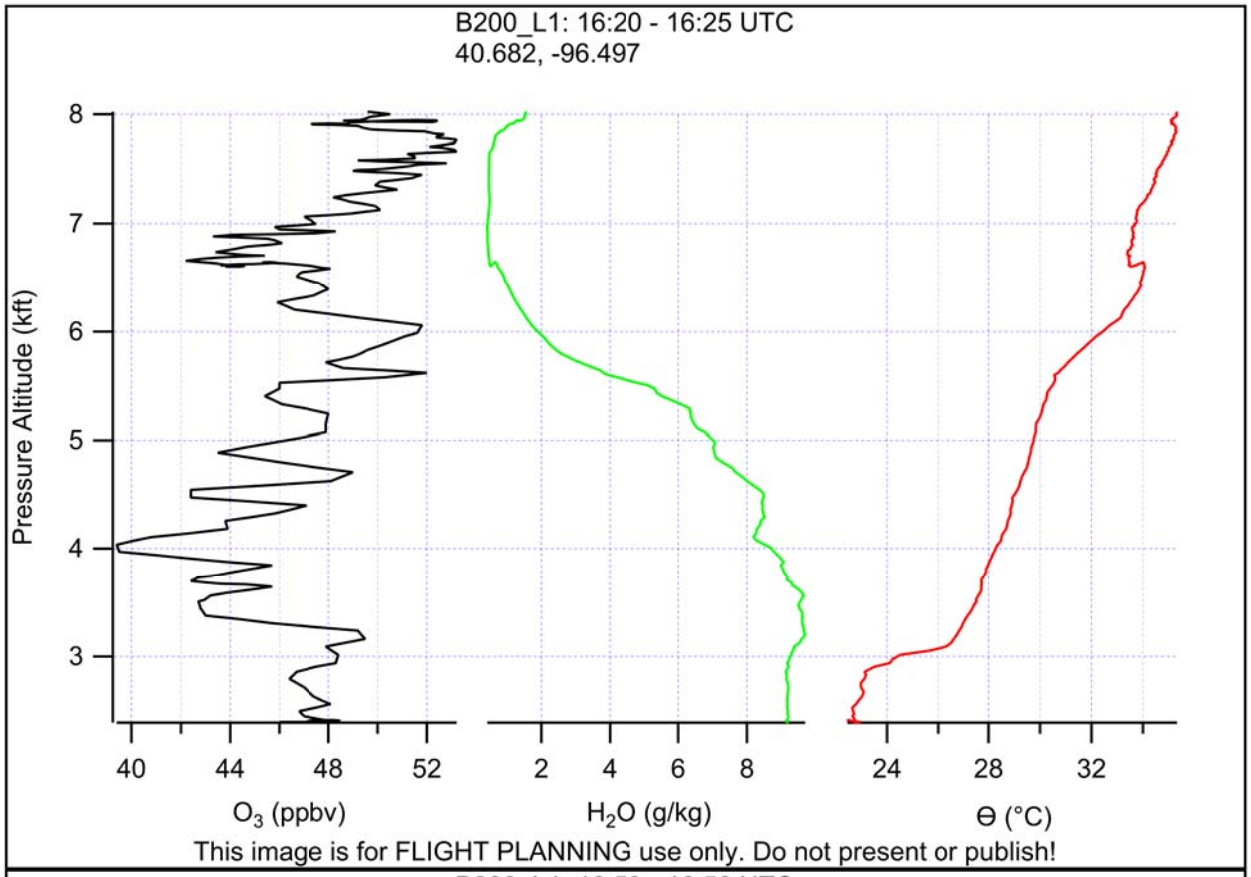

C130: 19:39 - 19:46 UTC
43.558, -89.478
Pressure Altitude (kft)
7
6
5
4
3
2
1
48
52
56
O3 (ppbv)
1
2
3
4
5
6
H2O (g/kg)
26
28
30
32
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

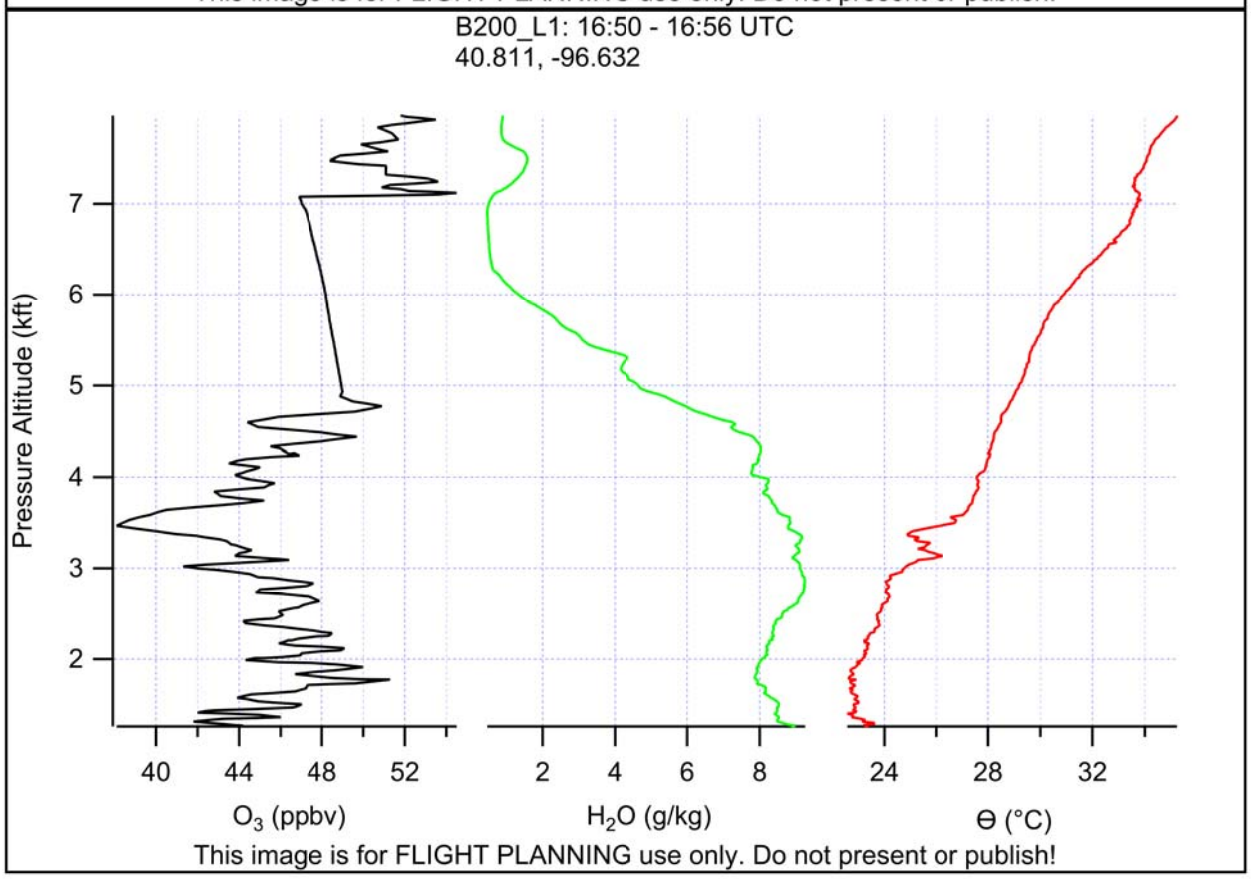

C130: 20:32 - 20:38 UTC
43.516, -93.468
Pressure Altitude (kft)
9
8
7
6
5
4
3
48
52
56
60
O_3 (ppbv)
1
2
3
4
5
6
H_2O (g/kg)
26
28
30
32
34
36
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

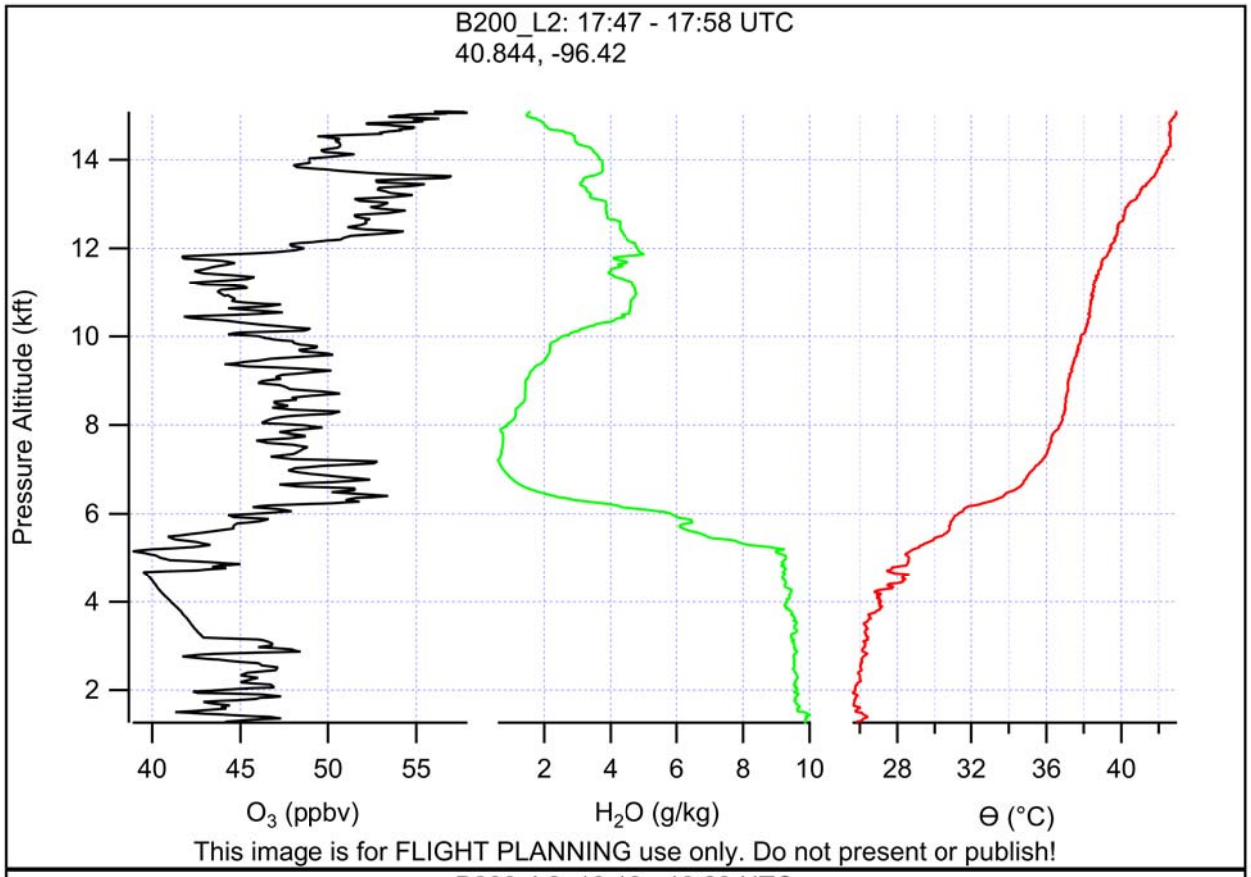

C130: 21:13 - 21:23 UTC
40.834, -93.449
Pressure Altitude (kft)
7
6
5
4
3
45
50
55
O_3 (ppbv)
1
2
3
4
5
6
7
H_2O (g/kg)
24
28
32
36
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

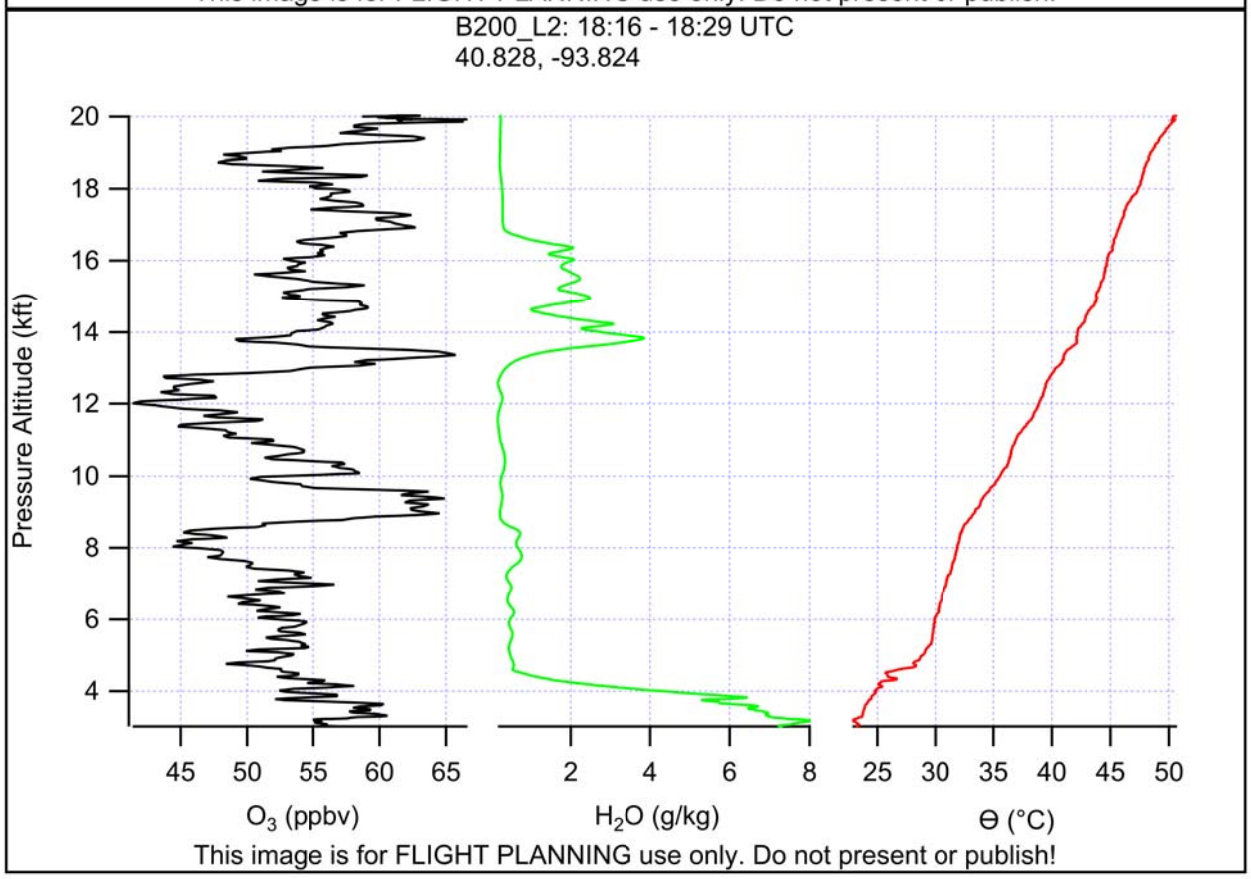

C130: 21:48 - 22:05 UTC
40.992, -96.628
Pressure Altitude (kft)
8
7
6
5
4
3
2
44
48
52
56
4
6
8
10
28
30
32
34
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 15:50 - 15:52 UTC
40.832, -96.739
Pressure Altitude (kft)
3.0
2.5
2.0
1.5
36
38
40
42
44
46
9.0
9.1
9.2
9.3
9.4
22
23
24
25
26
27
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 16:20 - 16:25 UTC
40.682, -96.497
Pressure Altitude (kft)
8
7
6
5
4
3
40
44
48
52
O3 (ppbv)
2
4
6
8
H2O (g/kg)
24
28
32
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 16:50 - 16:56 UTC
40.811, -96.632
Pressure Altitude (kft)
7
6
5
4
3
2
40
44
48
52
O3 (ppbv)
2
4
6
8
H2O (g/kg)
24
28
32
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 17:47 - 17:58 UTC
40.844, -96.42
Pressure Altitude (kft)
14
12
10
8
6
4
2
40
45
50
55
O3 (ppbv)
2
4
6
8
10
H2O (g/kg)
28
32
36
40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 18:16 - 18:29 UTC
40.828, -93.824
Pressure Altitude (kft)
20
18
16
14
12
10
8
6
4
45
50
55
60
65
O3 (ppbv)
2
4
6
8
H2O (g/kg)
25
30
35
40
45
50
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!