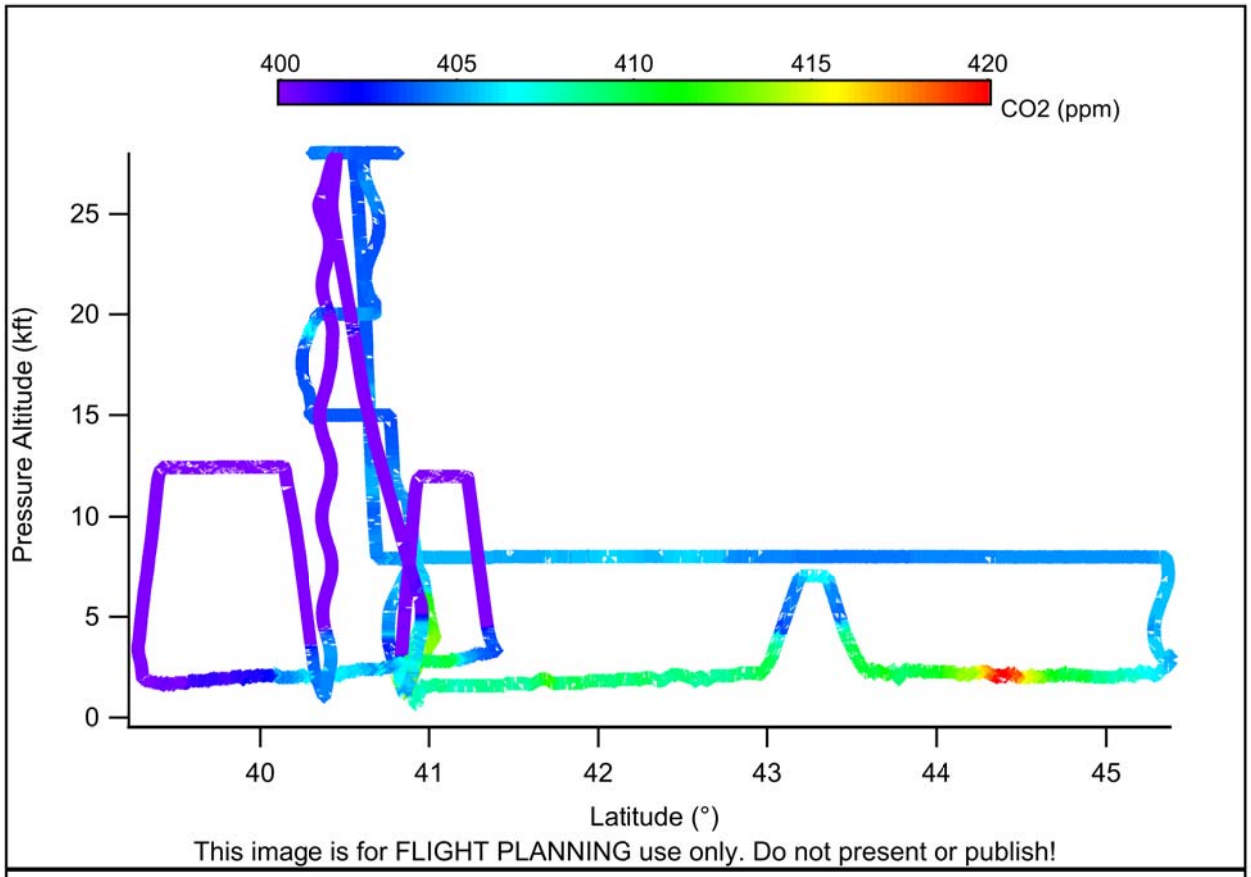
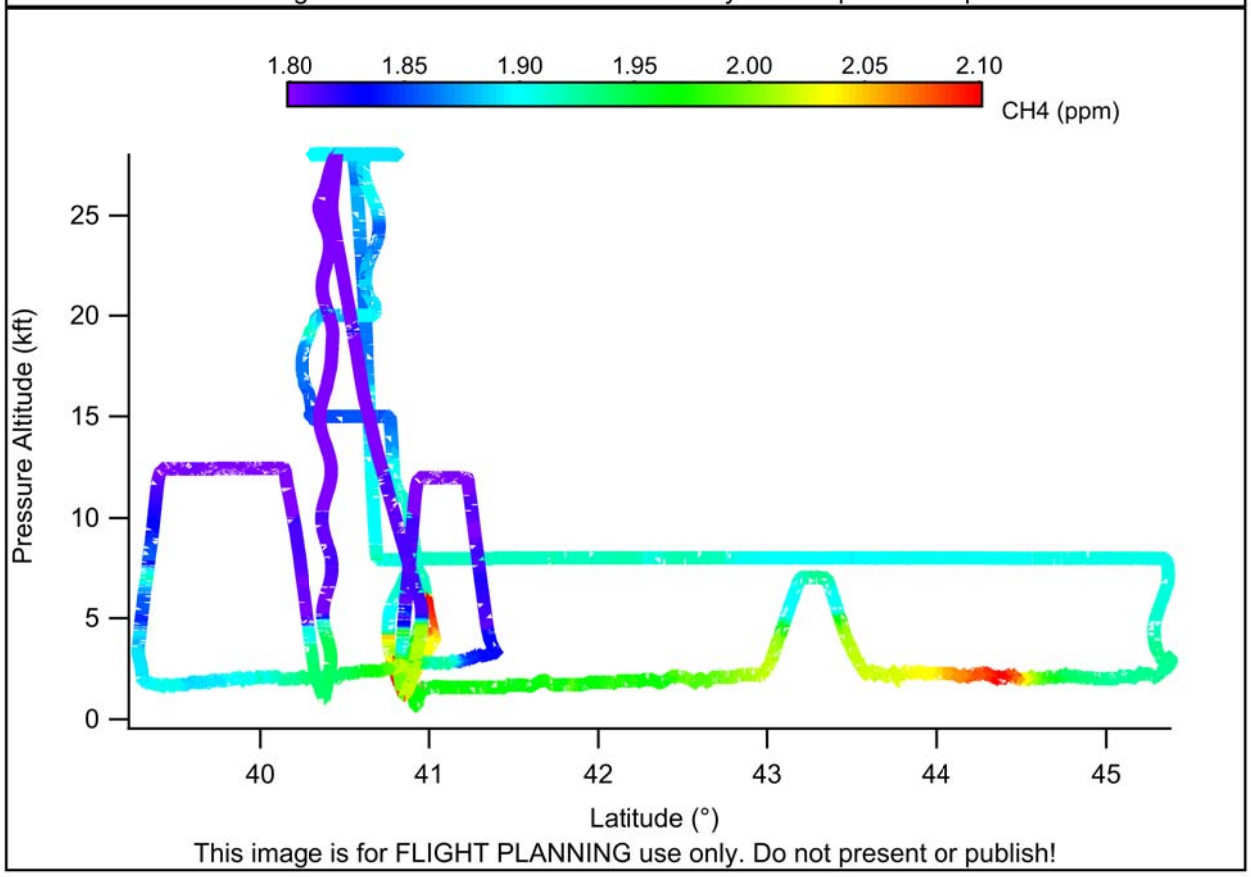
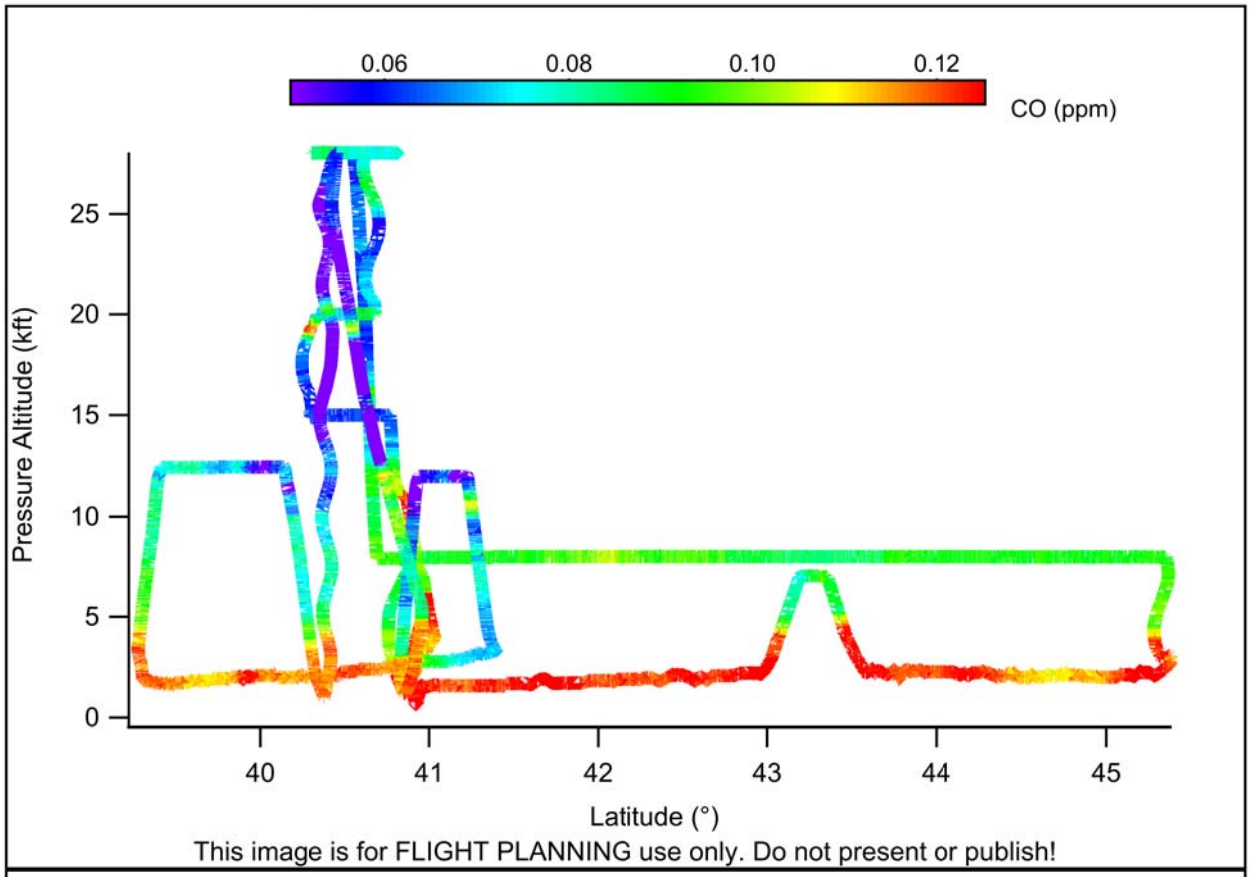
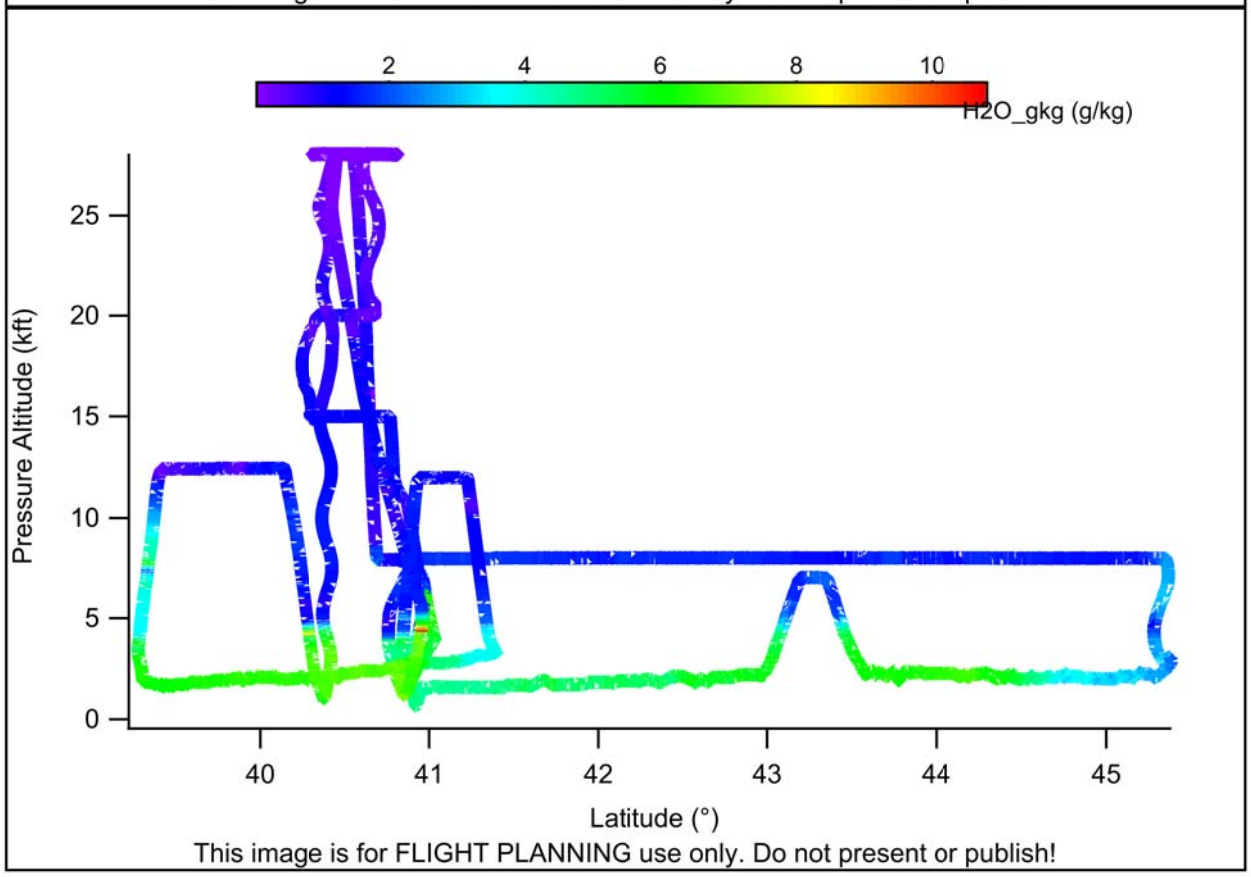
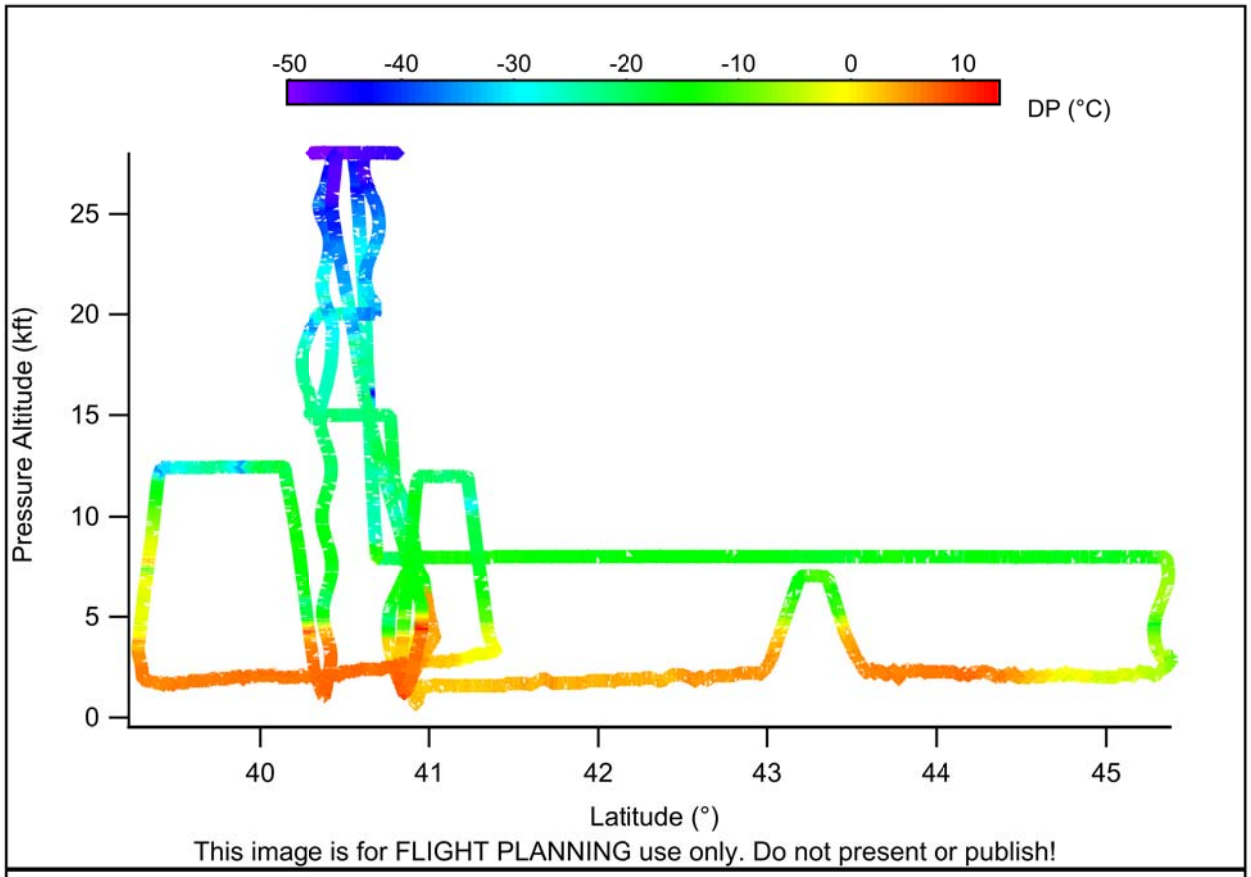
ACT-America 20171018

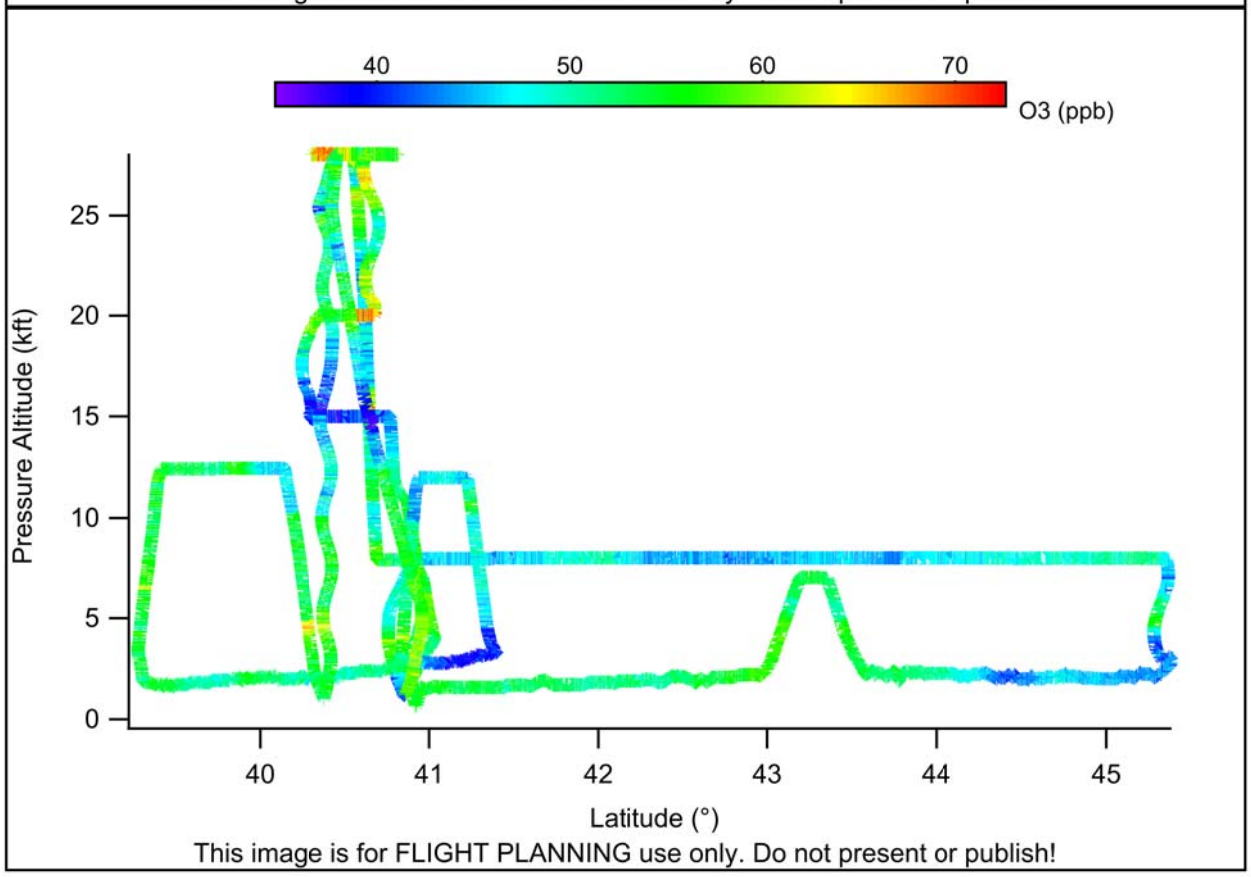

400
405
410
415
420
CO2 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
40
41
42
43
44
45
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

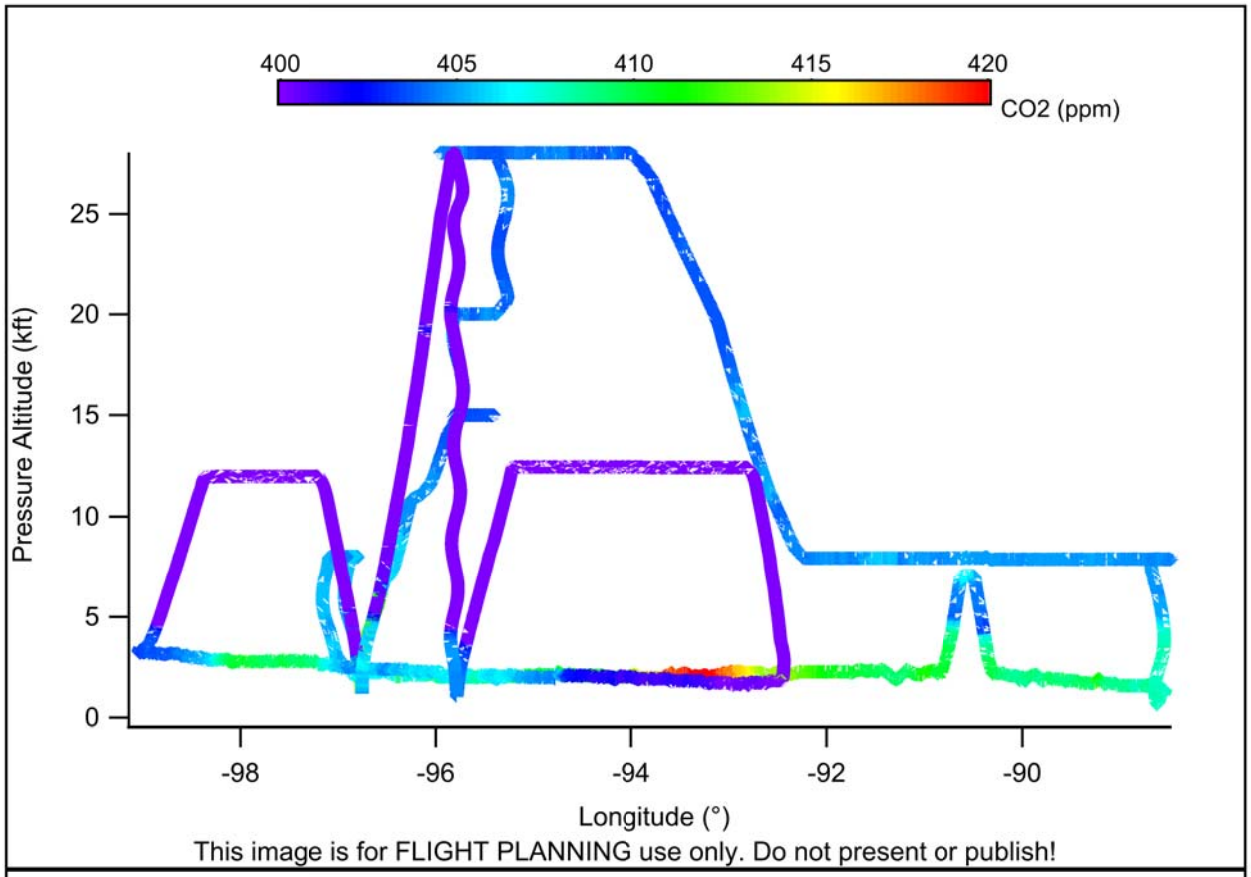

1.80
1.85
1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
40
41
42
43
44
45
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

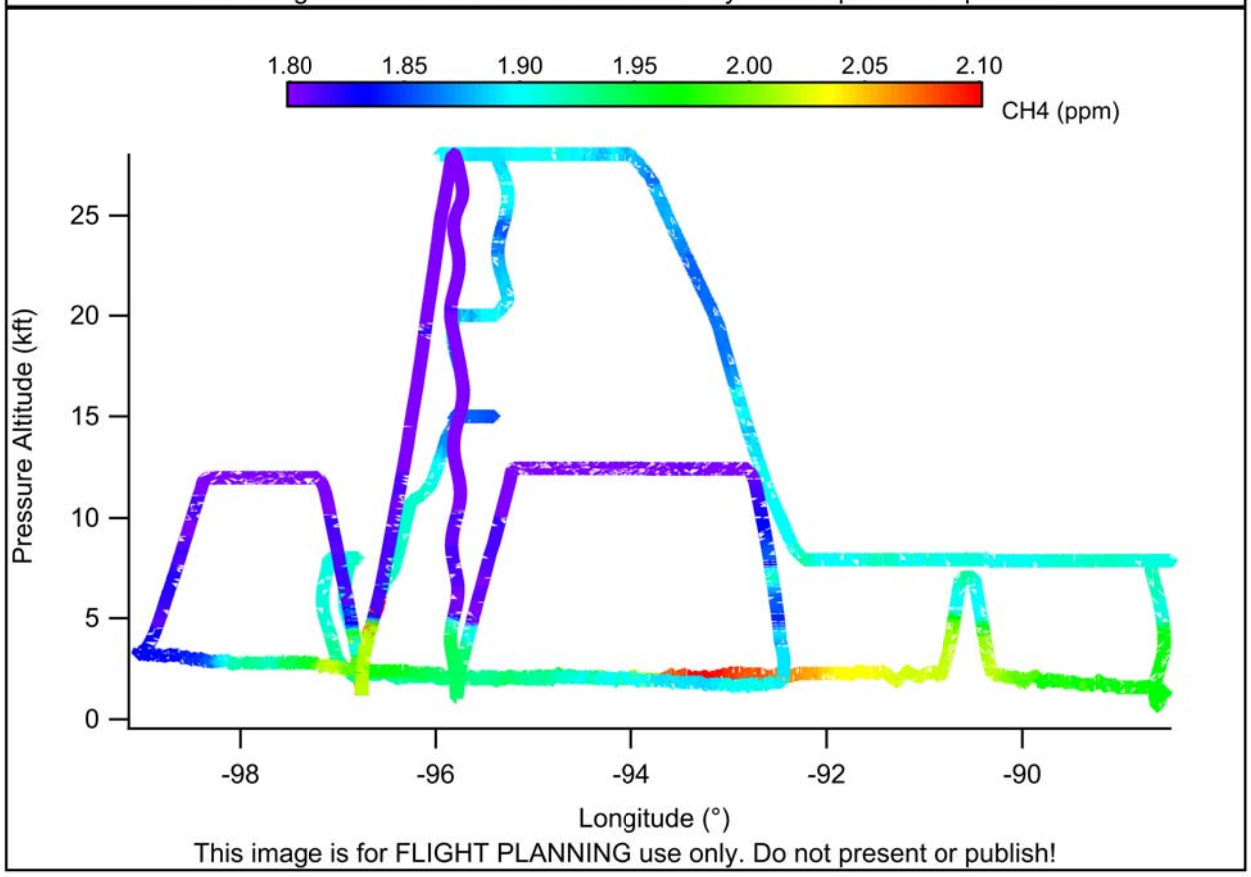

0.06
0.08
0.10
0.12
CO (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
40
41
42
43
44
45
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

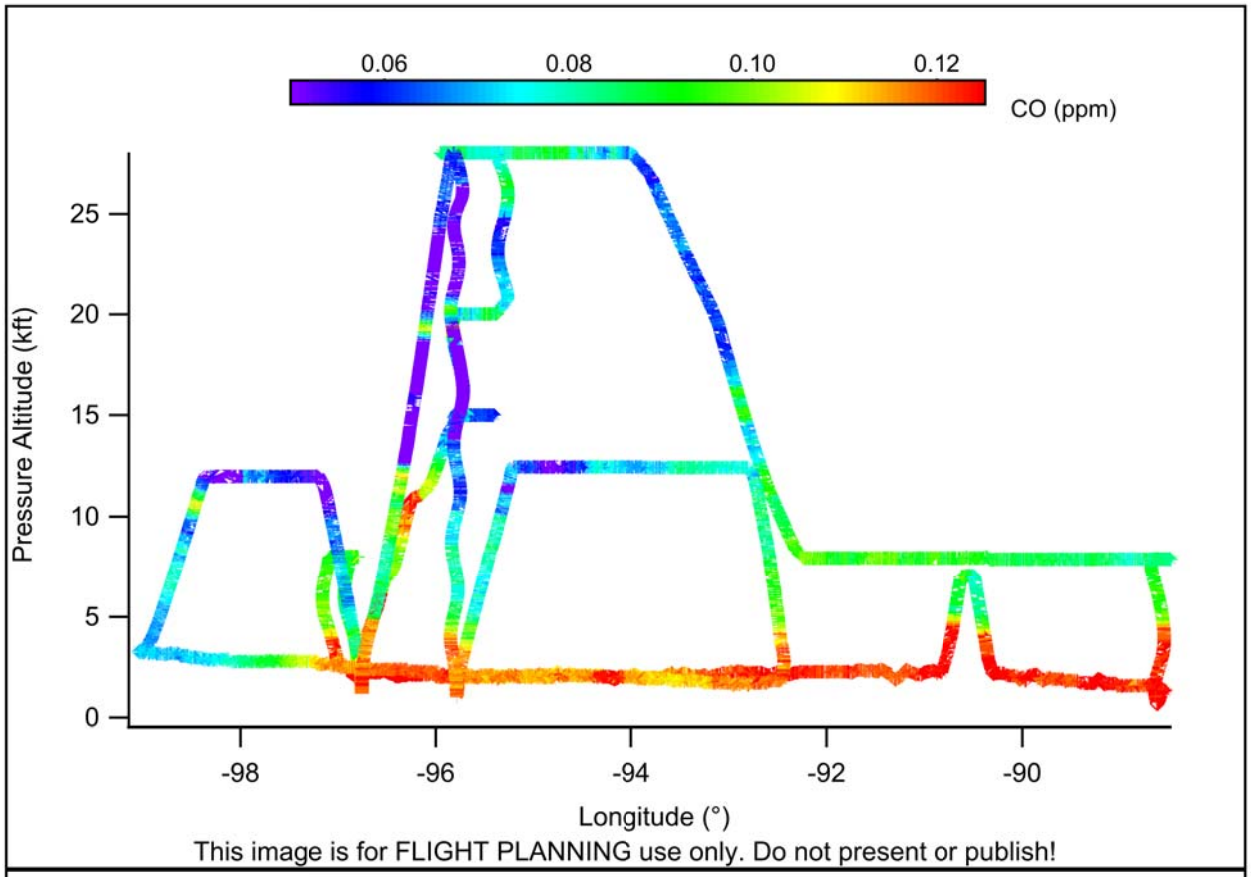

2
4
6
8
10
H2O_gkg (g/kg)
Pressure Altitude (kft)
25
20
15
10
5
0
40
41
42
43
44
45
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

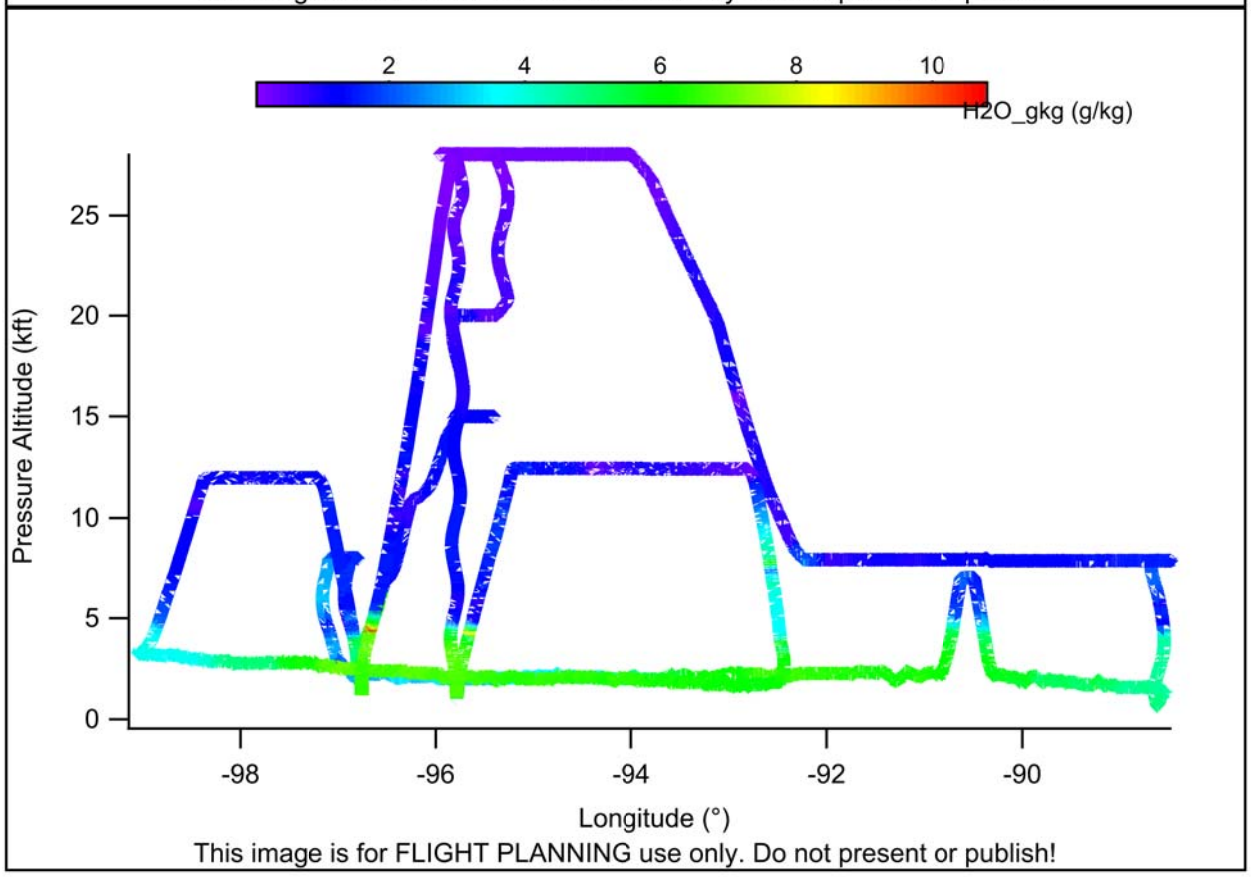

-50
-40
-30
-20
-10
0
10
DP (°C)
Pressure Altitude (kft)
25
20
15
10
5
0
40
41
42
43
44
45
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

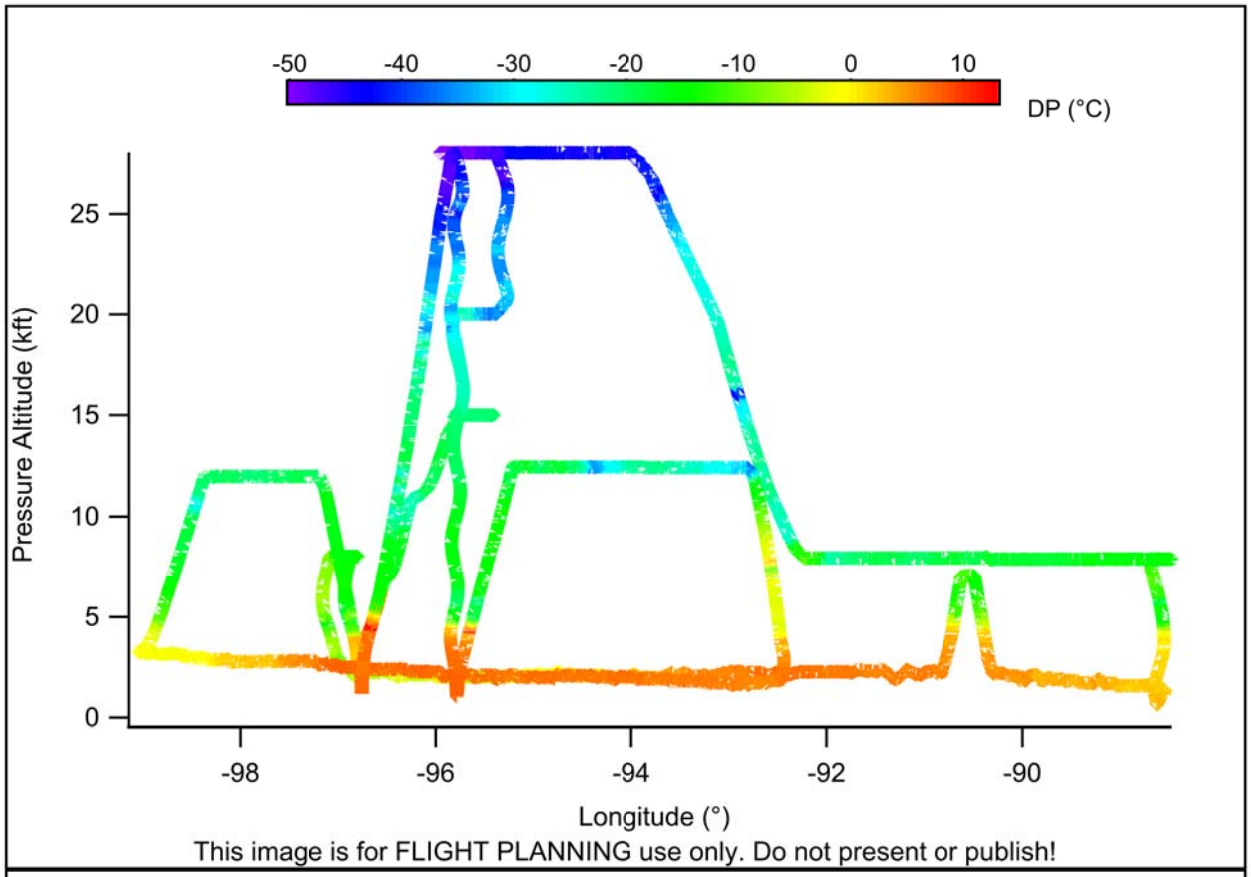

40
50
60
70
O3 (ppb)
Pressure Altitude (kft)
25
20
15
10
5
0
40
41
42
43
44
45
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

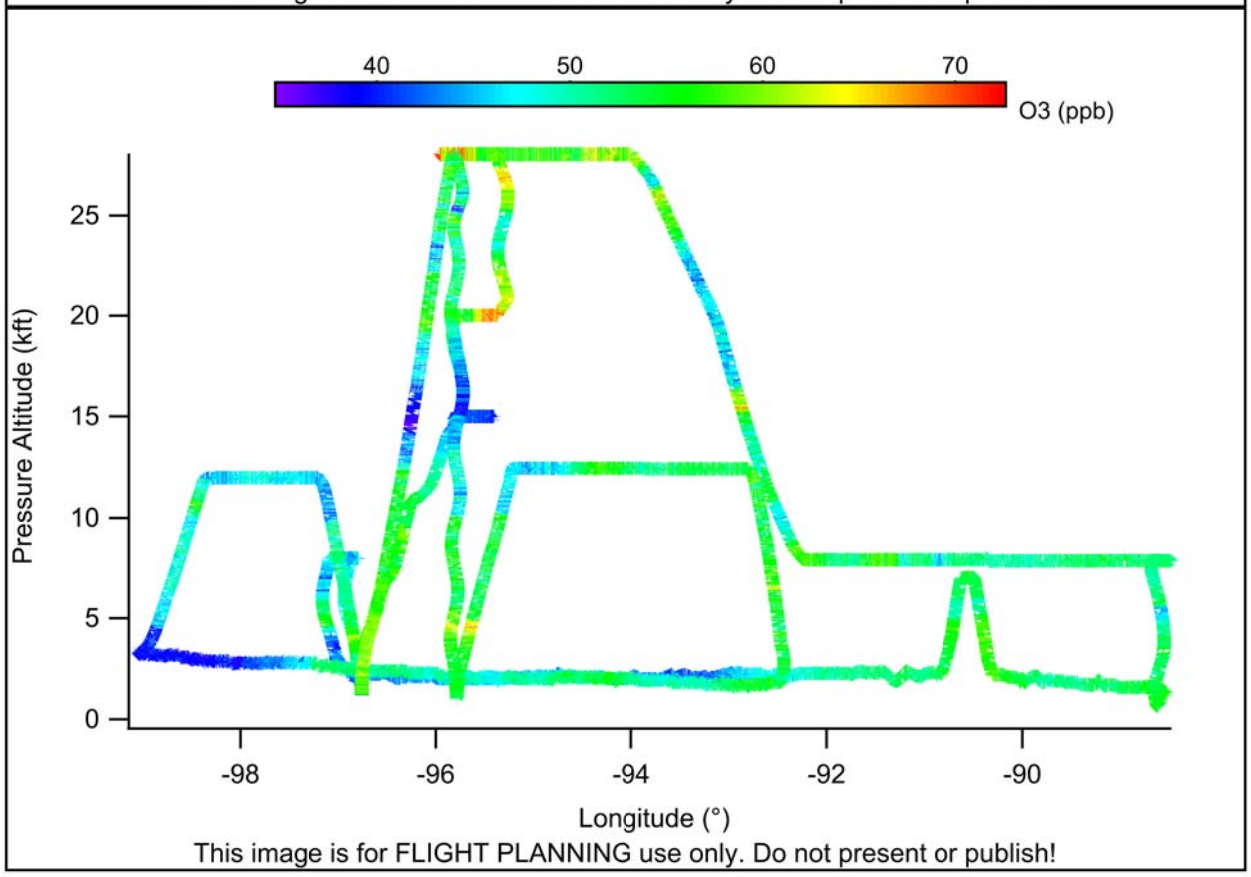

400
405
410
415
420
CO2 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
-98
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

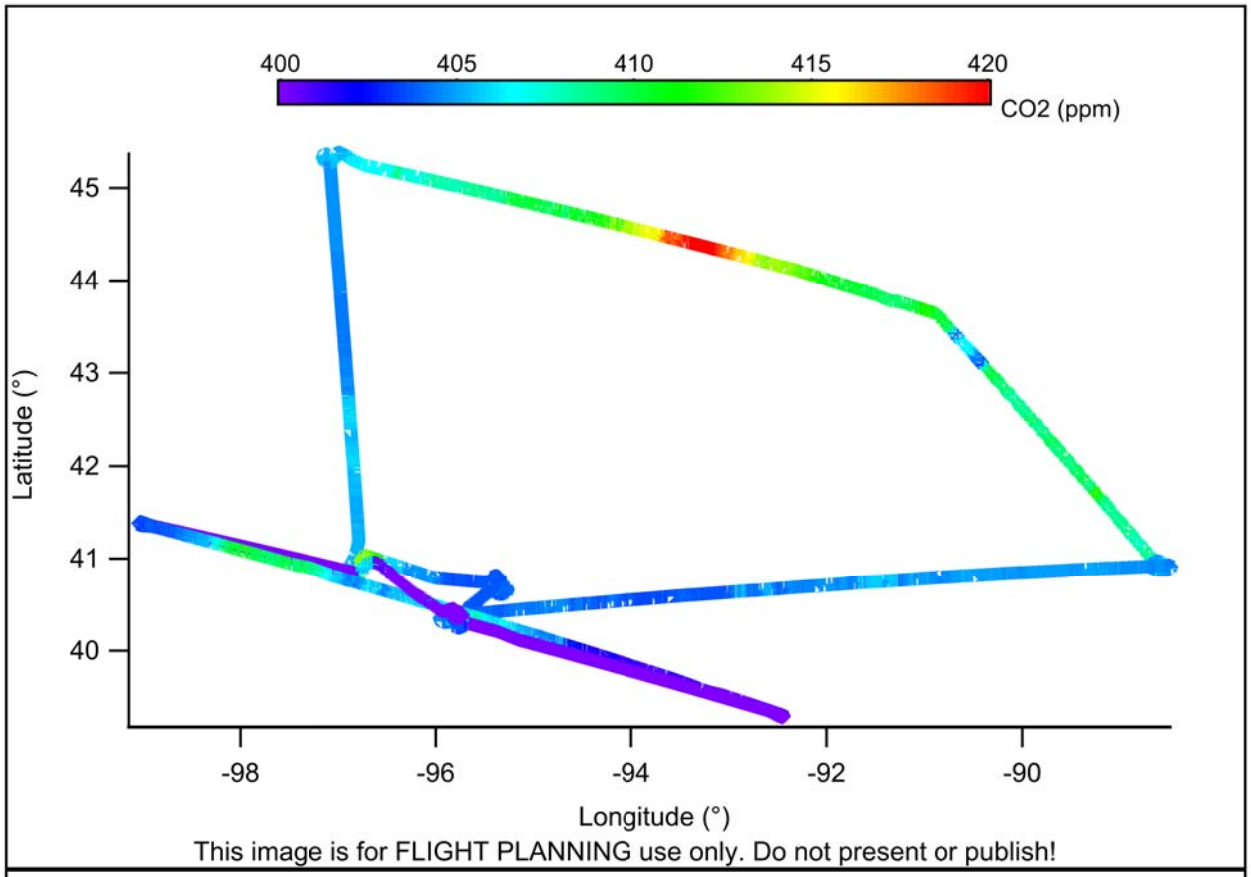

1.80
1.85
1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
-98
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

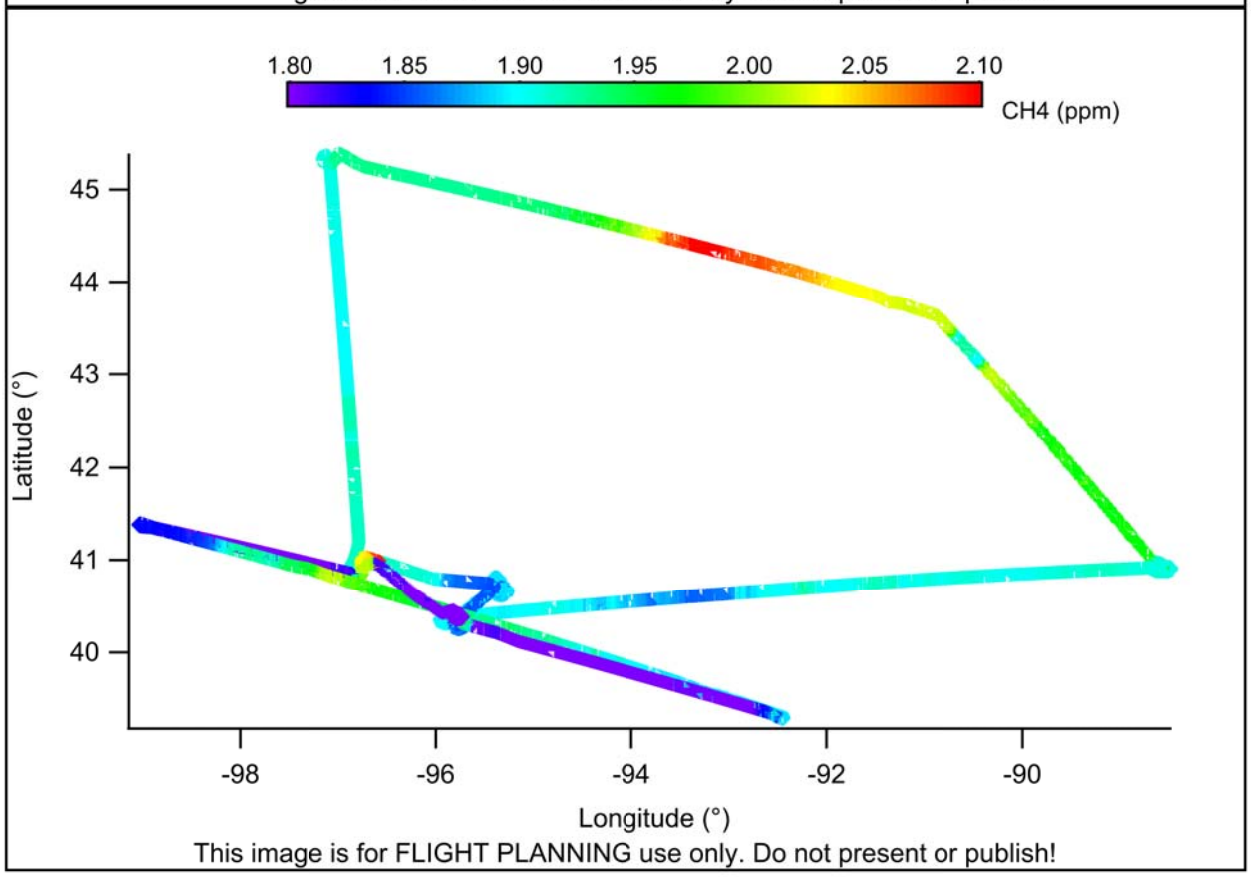

0.06
0.08
0.10
0.12
CO (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
-98
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

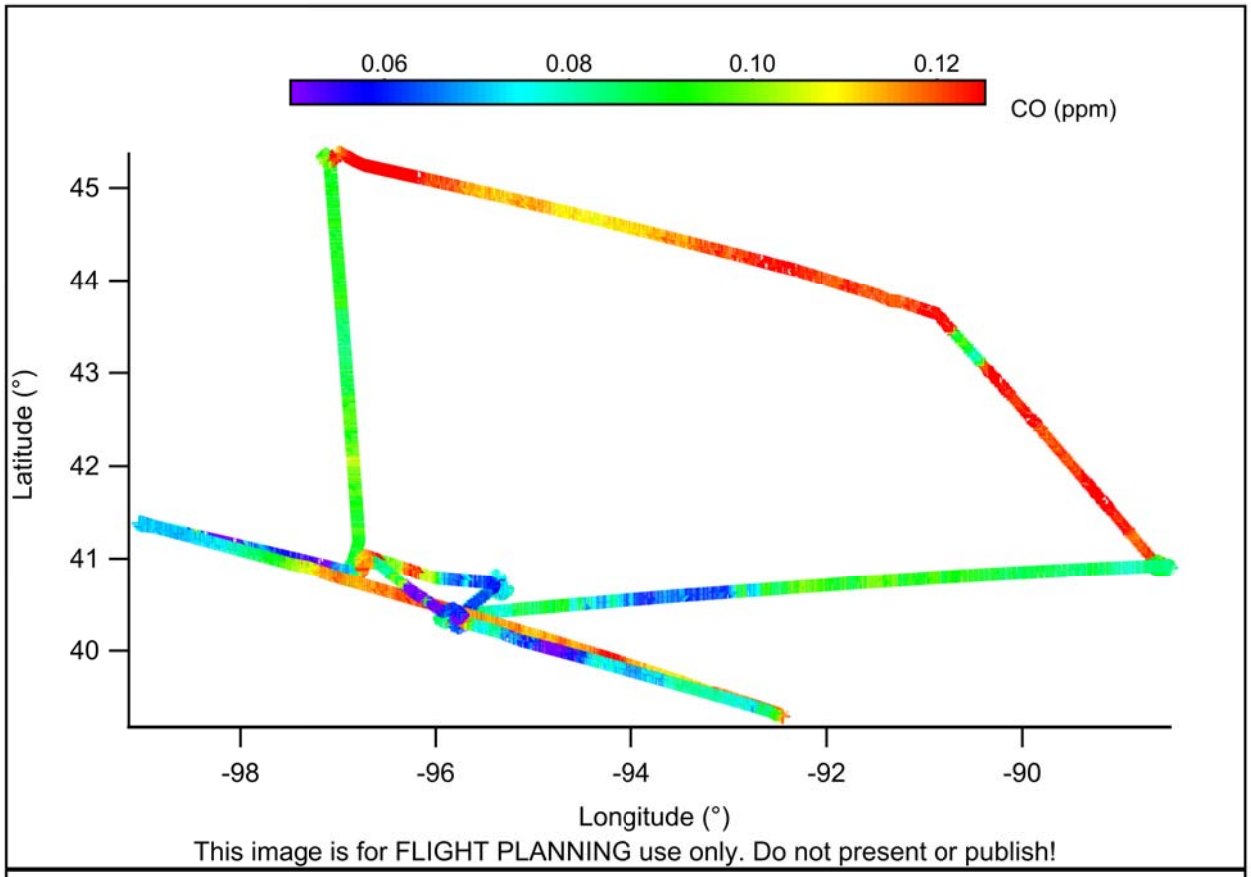

2
4
6
8
10
H2O_gkg (g/kg)
Pressure Altitude (kft)
25
20
15
10
5
0
-98
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

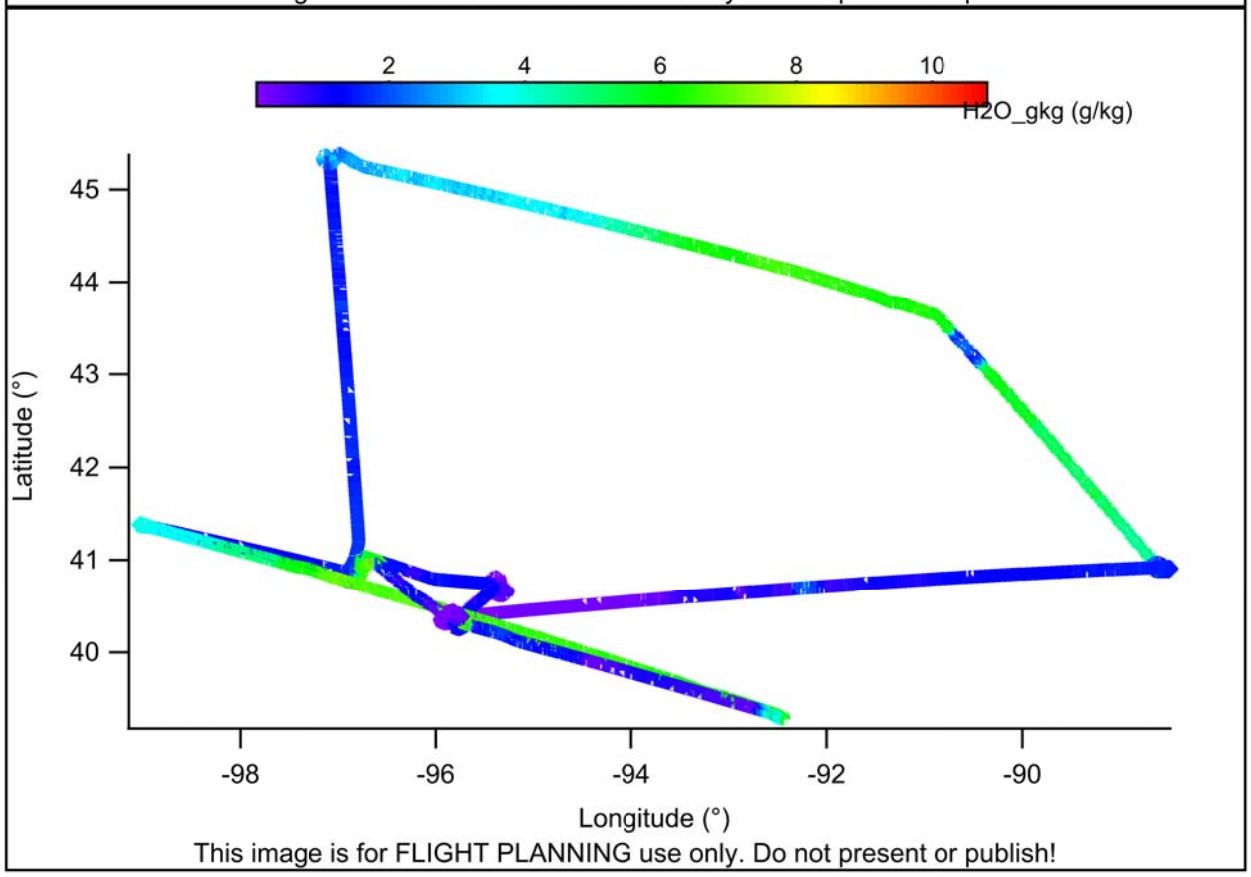

-50
-40
-30
-20
-10
0
10
DP (°C)
Pressure Altitude (kft)
25
20
15
10
5
0
-98
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

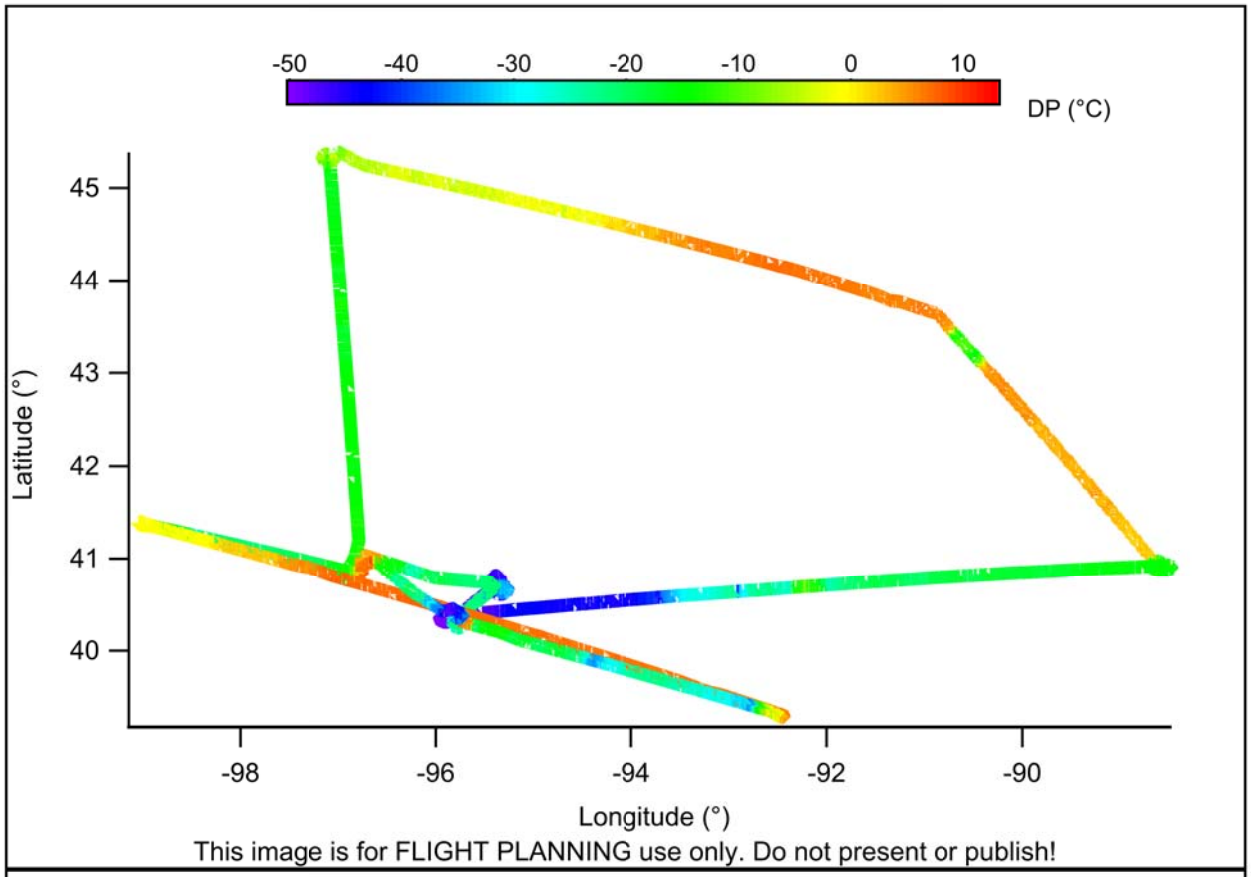

40
50
60
70
O3 (ppb)
Pressure Altitude (kft)
25
20
15
10
5
0
-98
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


400
405
410
415
420
CO2 (ppm)
45
44
43
42
41
40
Latitude (°)
-98
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


1.80
1.85
1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
45
44
43
42
41
40
Latitude (°)
-98
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


0.06
0.08
0.10
0.12
CO (ppm)
45
44
43
42
41
40
Latitude (°)
-98
-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)
45
44
43
42
41
40
Latitude (°)
-98
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


-50
-40
-30
-20
-10
0
10
DP (°C)
45
44
43
42
41
40
Latitude (°)
-98
-96
-94
-92
-90
Longitude (°)
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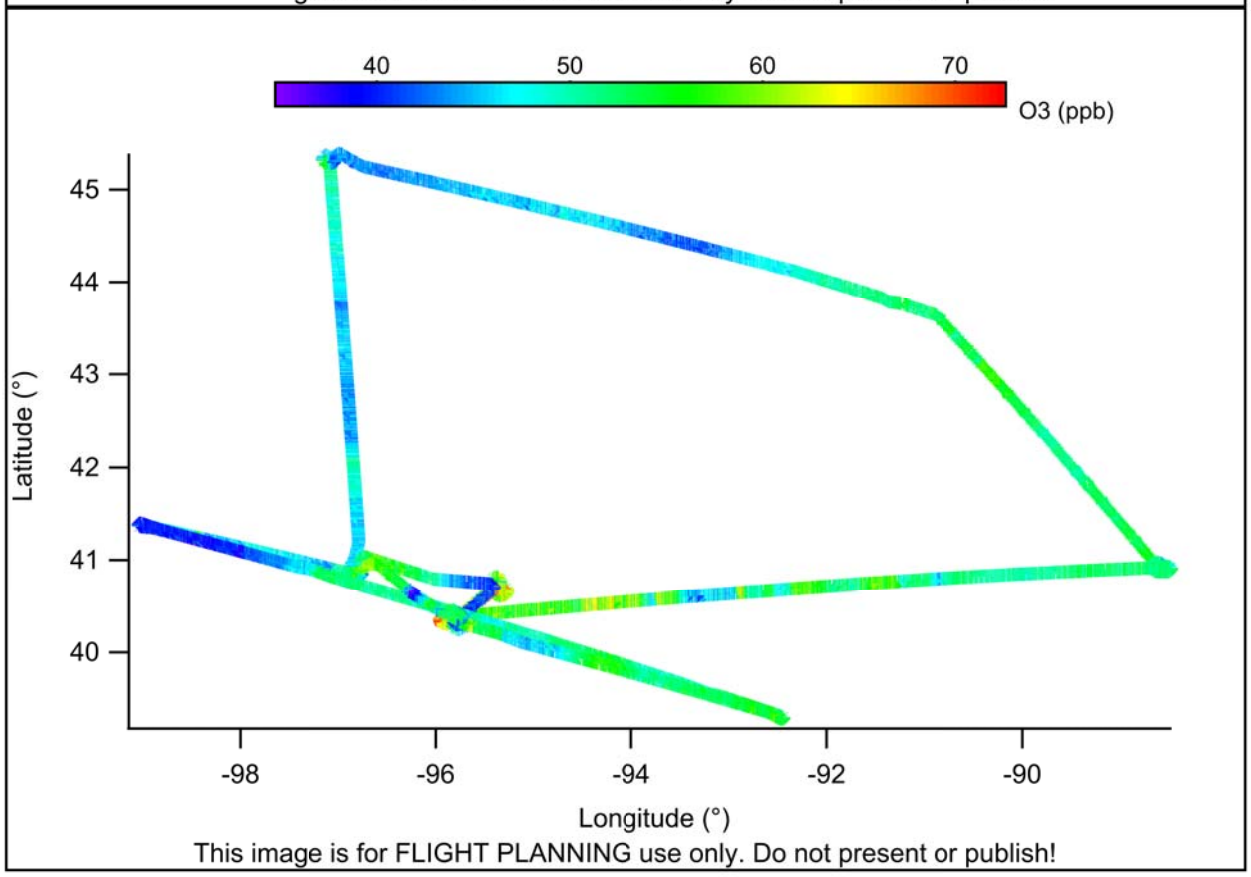
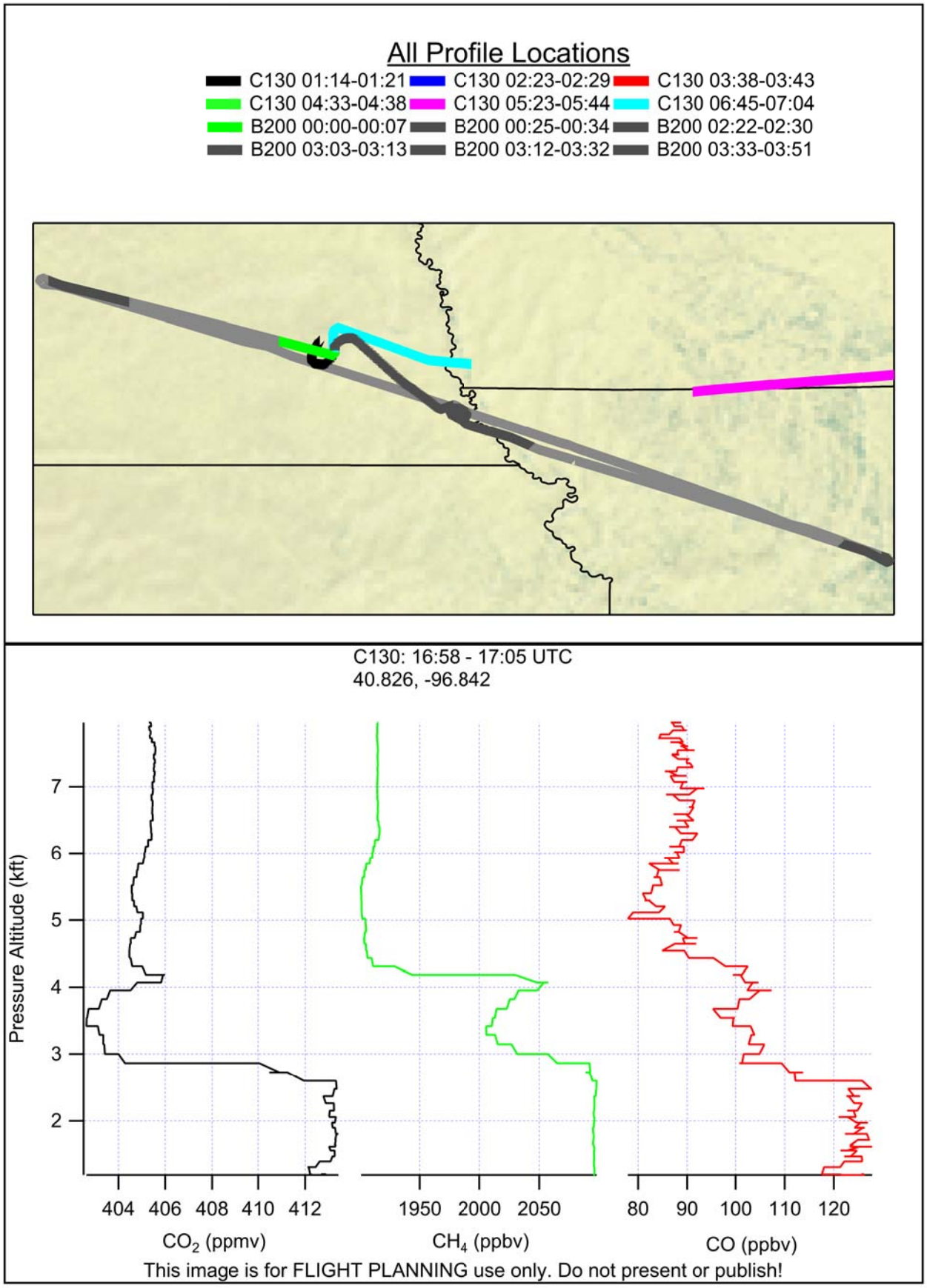
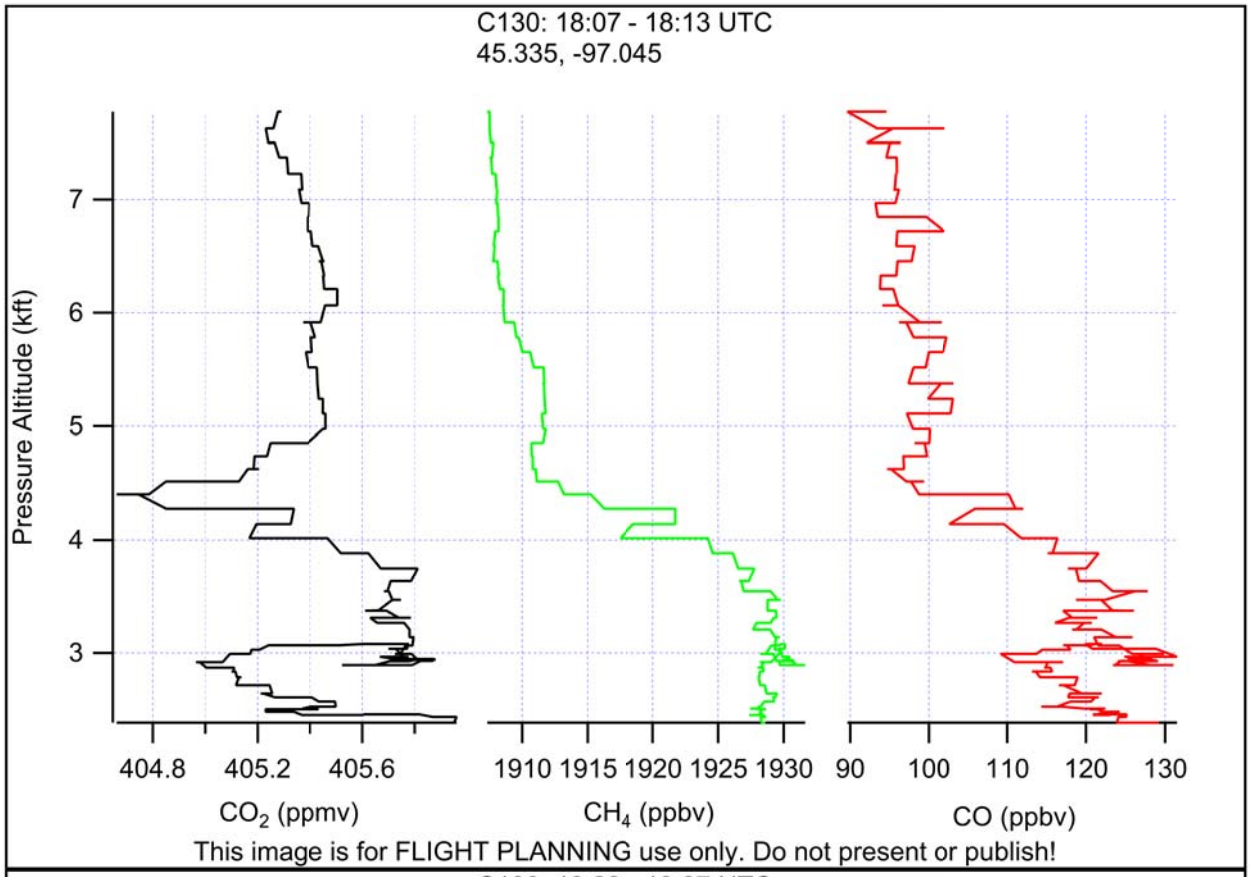
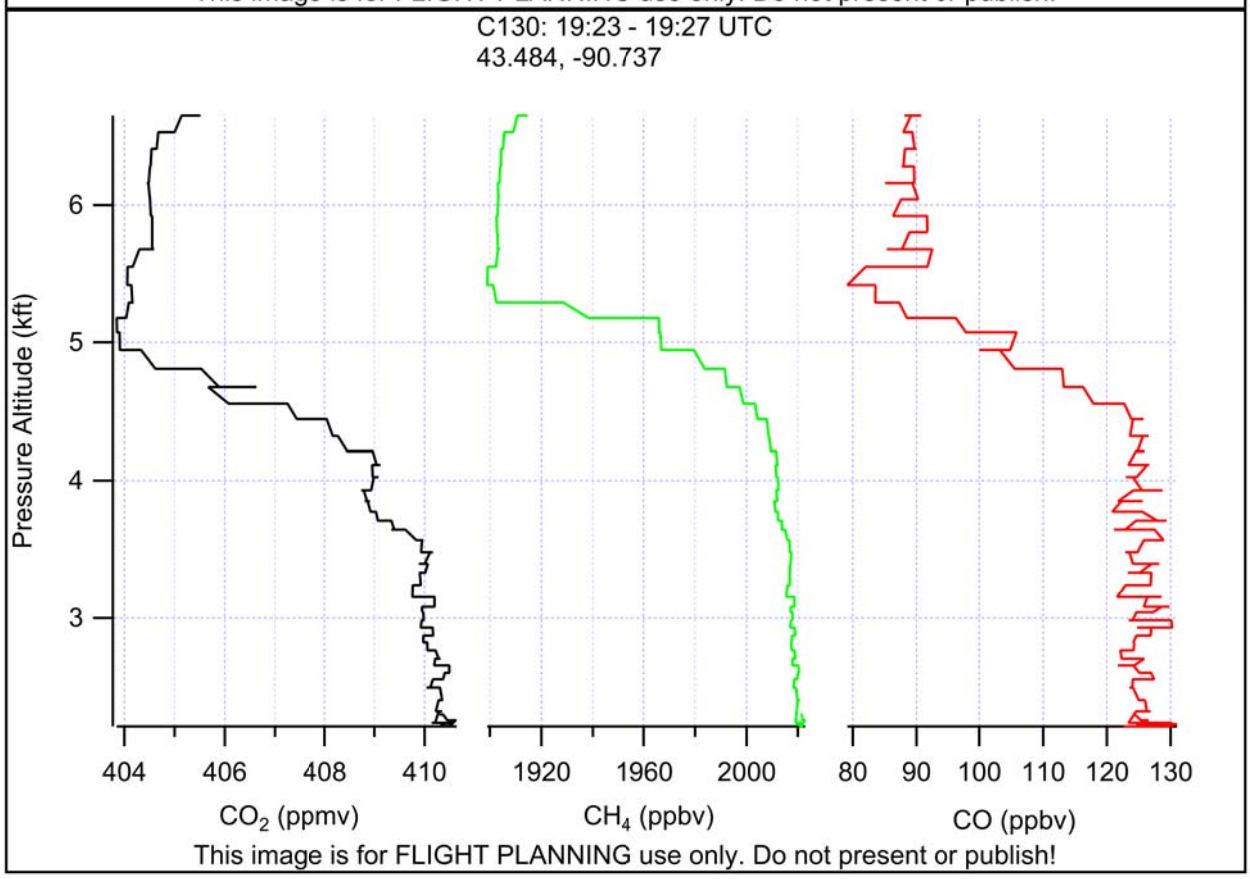
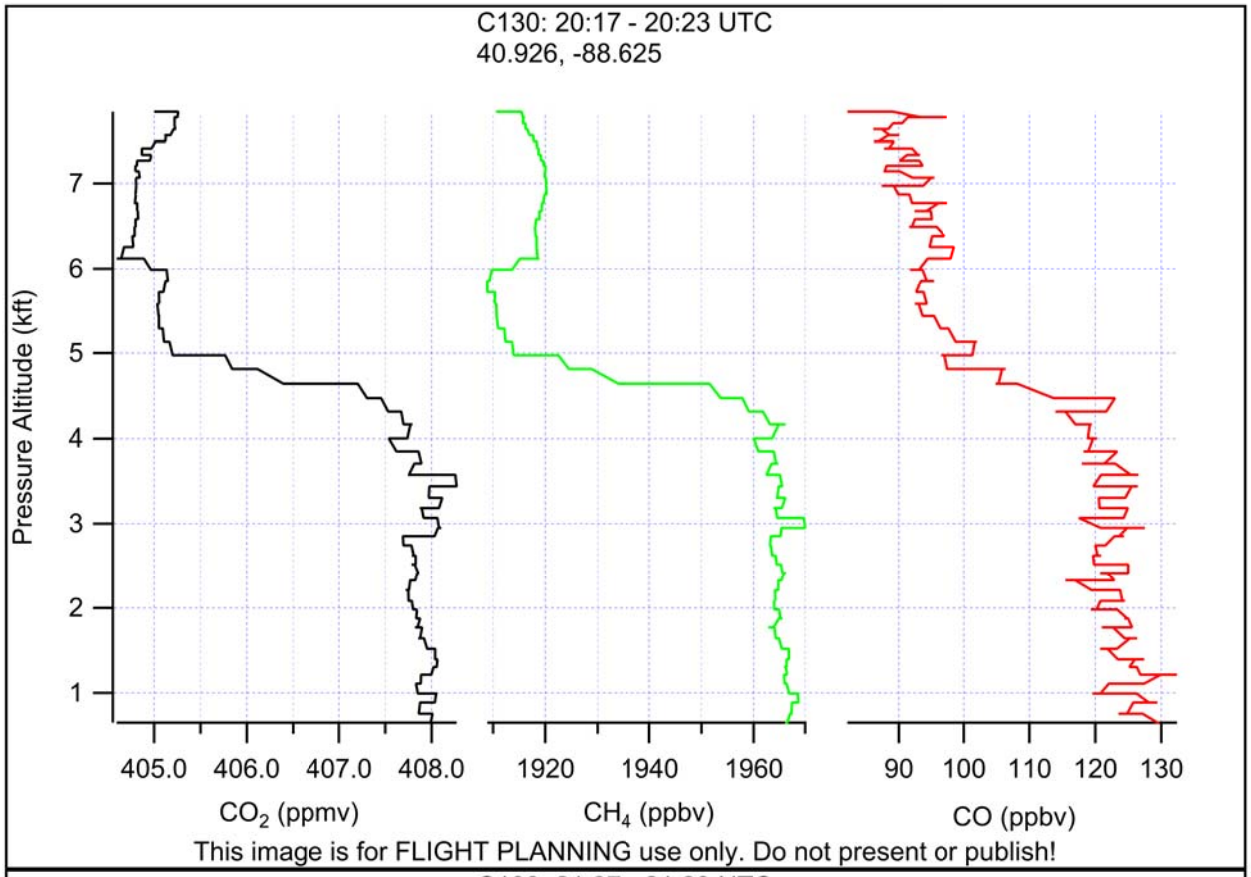
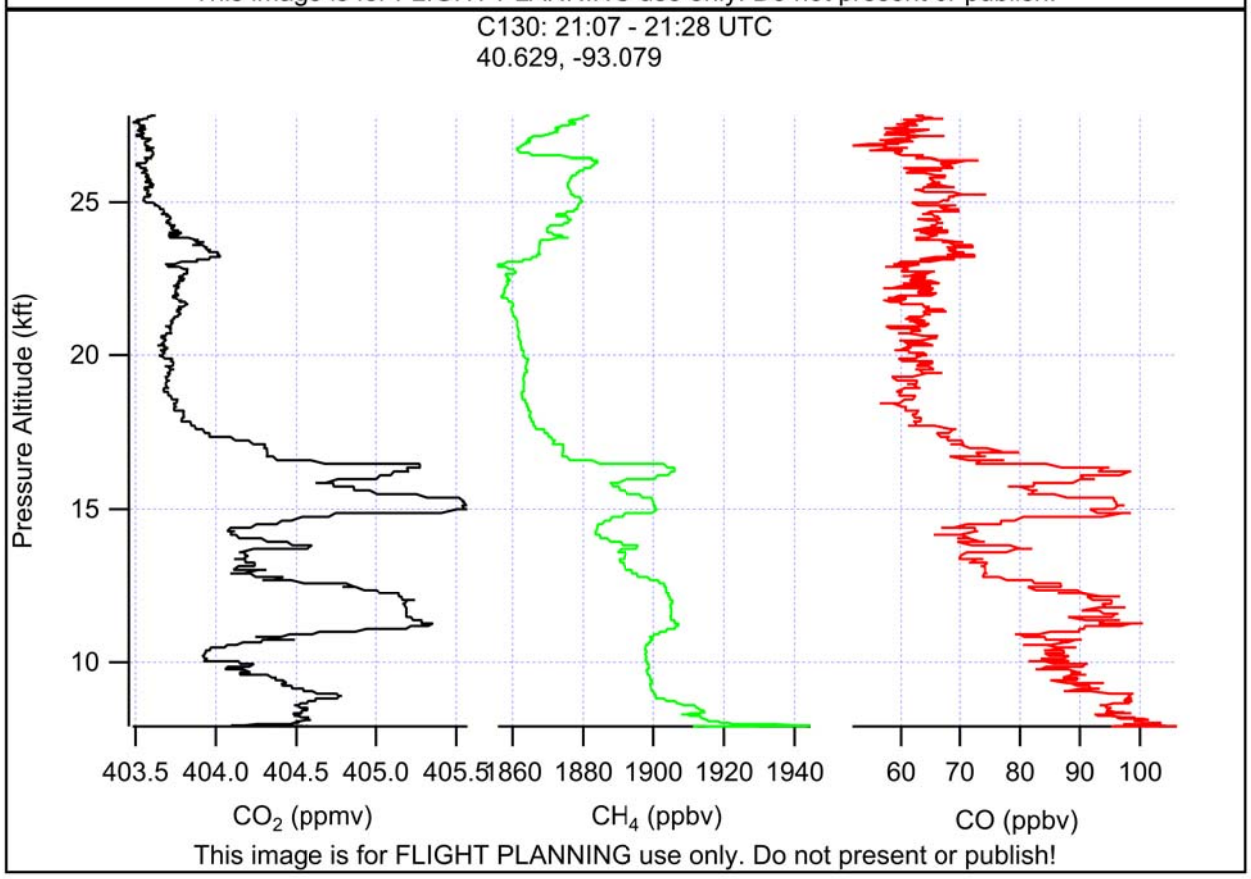

40
50
60
70
O3 (ppb)
45
44
43
42
41
40
Latitude (°)
-98
-96
-94
-92
-90
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

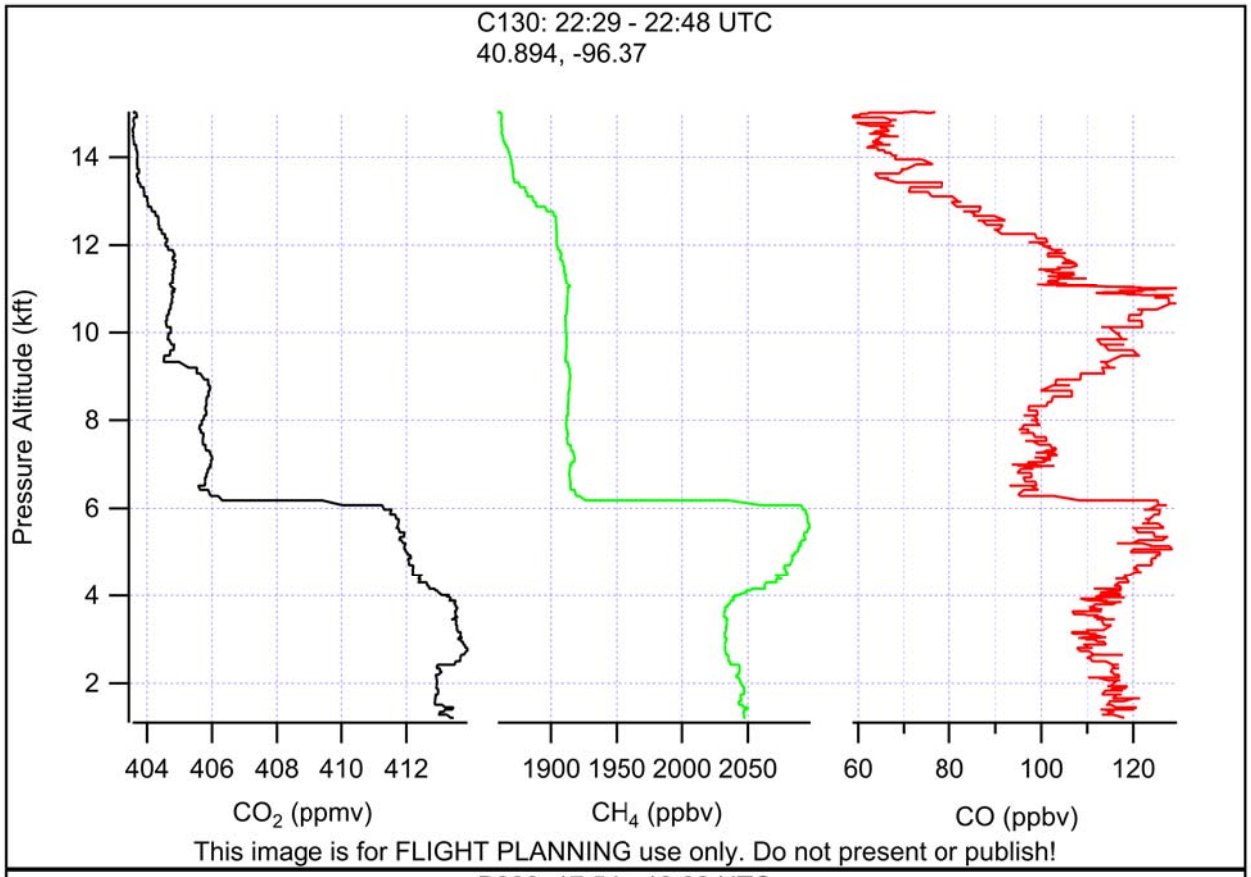

All Profile Locations
C130 01:14-01:21
C130 02:23-02:29
C130 03:38-03:43
C130 04:33-04:38
C130 05:23-05:44
C130 06:45-07:04
B200 00:00-00:07
B200 00:25-00:34
B200 02:22-02:30
B200 03:03-03:13
B200 03:12-03:32
B200 03:33-03:51
C130: 16:58 - 17:05 UTC
40.826, -96.842
Pressure Altitude (kft)
7
6
5
4
3
2
404 406 408 410 412
CO2 (ppmv)
1950 2000 2050
CH4 (ppbv)
80 90 100 110 120
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

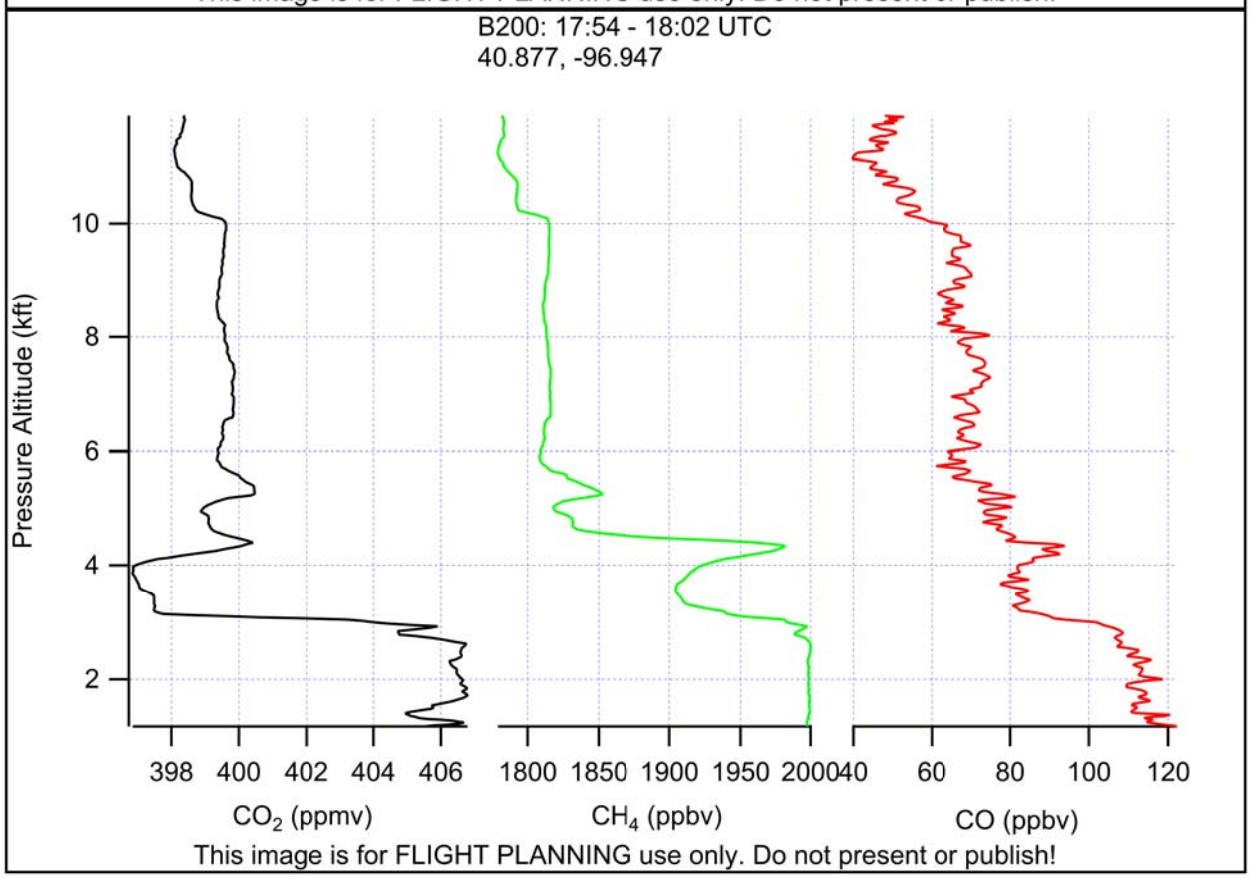

C130: 18:07 - 18:13 UTC
45.335, -97.045
Pressure Altitude (kft)
7
6
5
4
3
404.8
405.2
405.6
CO2 (ppmv)
1910 1915 1920 1925 1930
CH4 (ppbv)
90 100 110 120 130
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

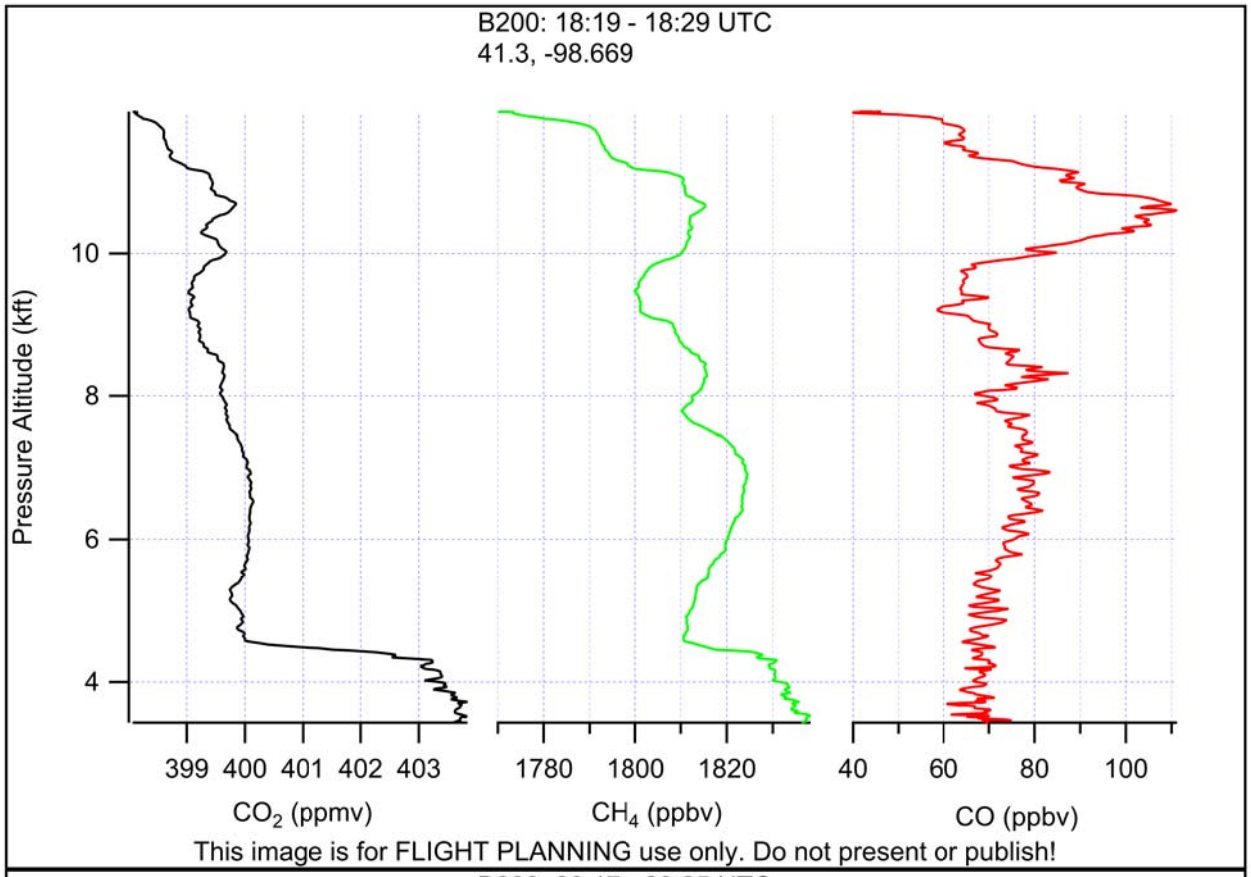

C130: 19:23 - 19:27 UTC
43.484, -90.737
Pressure Altitude (kft)
6
5
4
3
404 406 408 410
CO2 (ppmv)
1920 1960 2000
CH4 (ppbv)
80 90 100 110 120 130
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

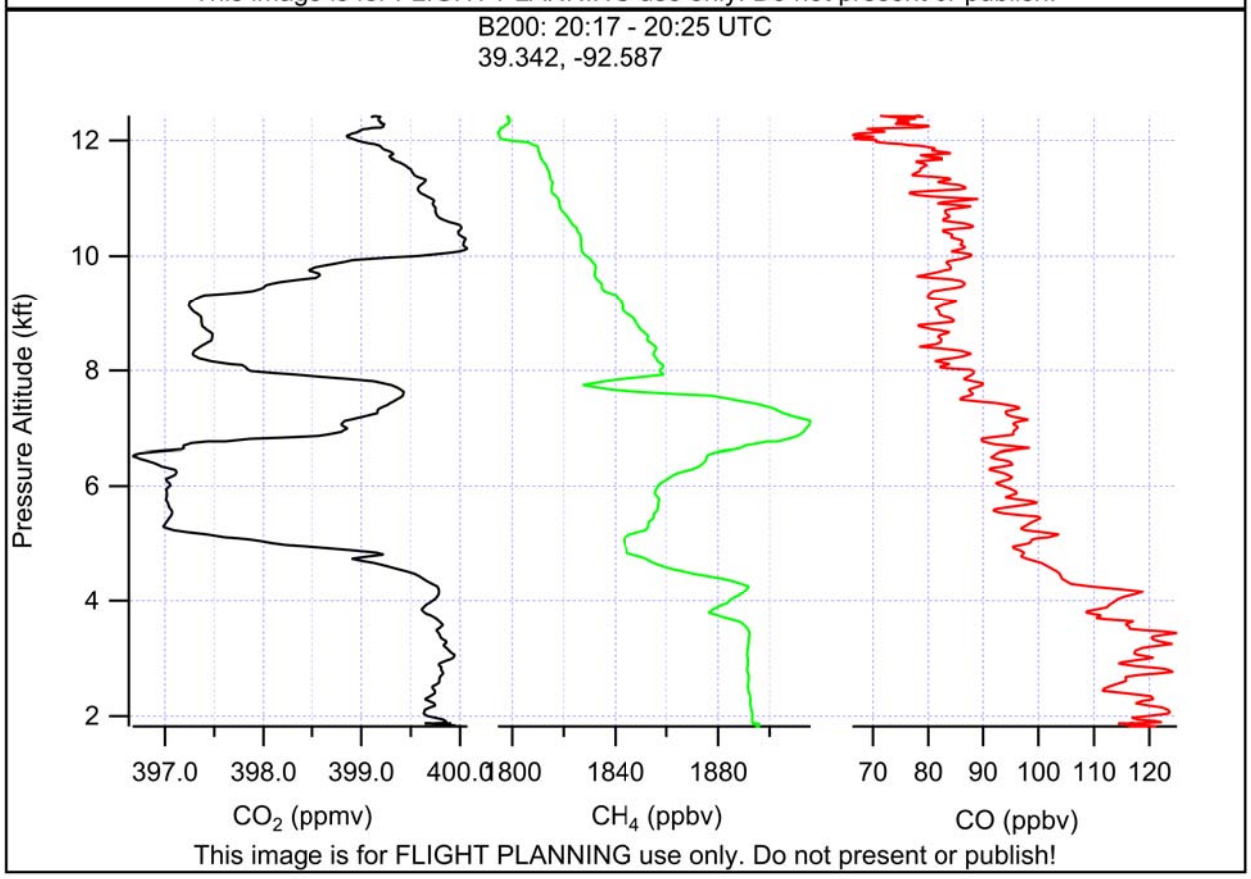

C130: 20:17 - 20:23 UTC
40.926, -88.625
Pressure Altitude (kft)
1
2
3
4
5
6
7
405.0
406.0
407.0
408.0
CO2 (ppmv)
1920
1940
1960
CH4 (ppbv)
90
100
110
120
130
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

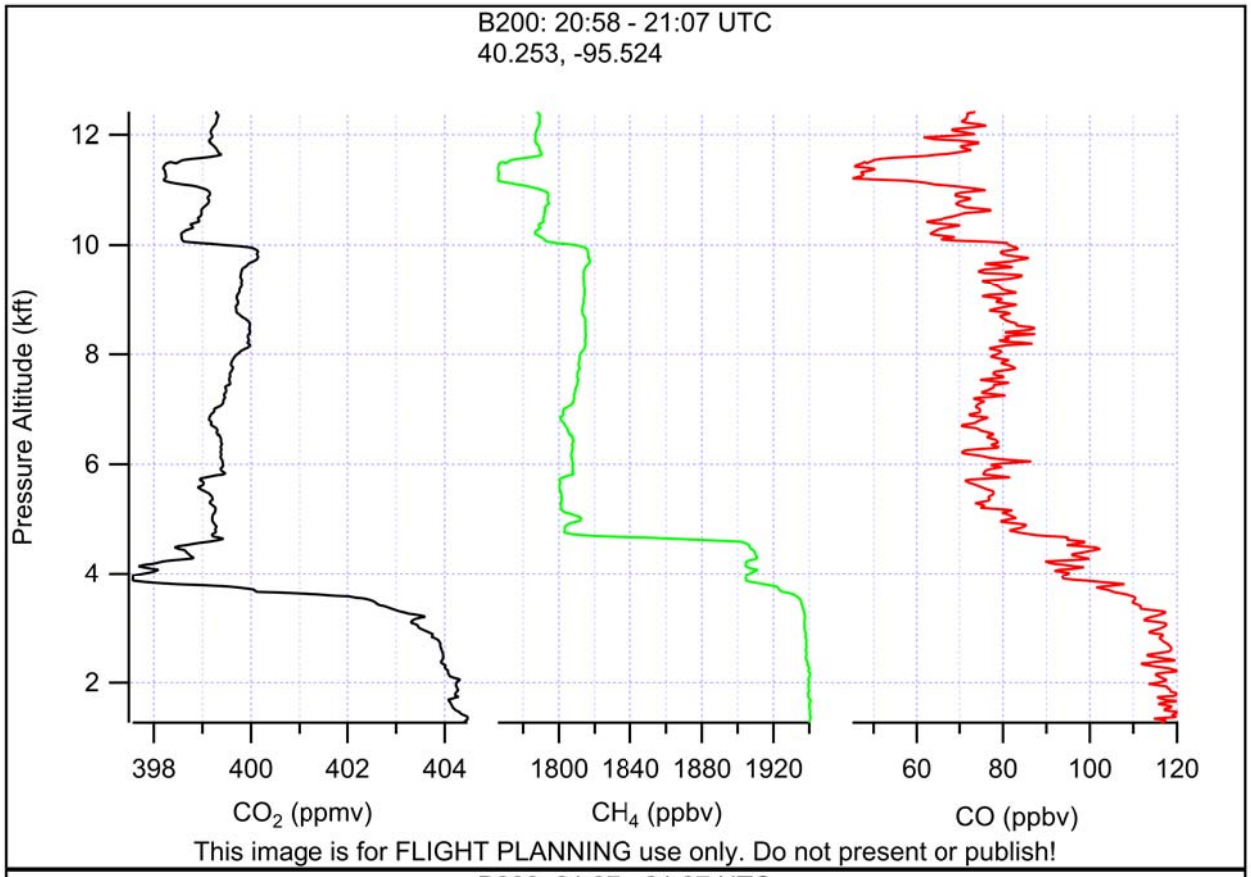

C130: 21:07 - 21:28 UTC
40.629, -93.079
Pressure Altitude (kft)
10
15
20
25
403.5
404.0
404.5
405.0
405.5
CO2 (ppmv)
1860
1880
1900
1920
1940
CH4 (ppbv)
60
70
80
90
100
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

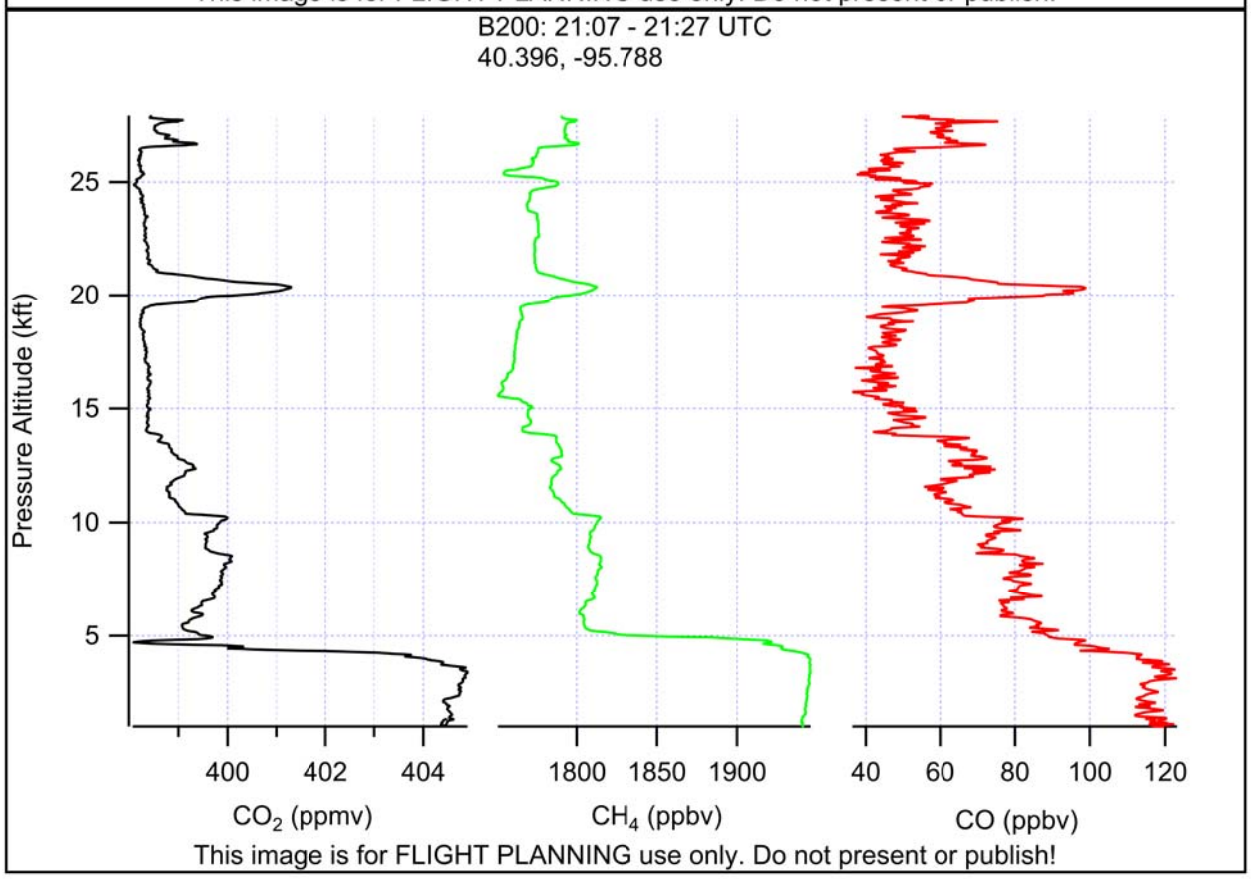

C130: 22:29 - 22:48 UTC
40.894, -96.37
Pressure Altitude (kft)
14
12
10
8
6
4
2
404 406 408 410 412
CO2 (ppmv)
1900 1950 2000 2050
CH4 (ppbv)
60 80 100 120
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

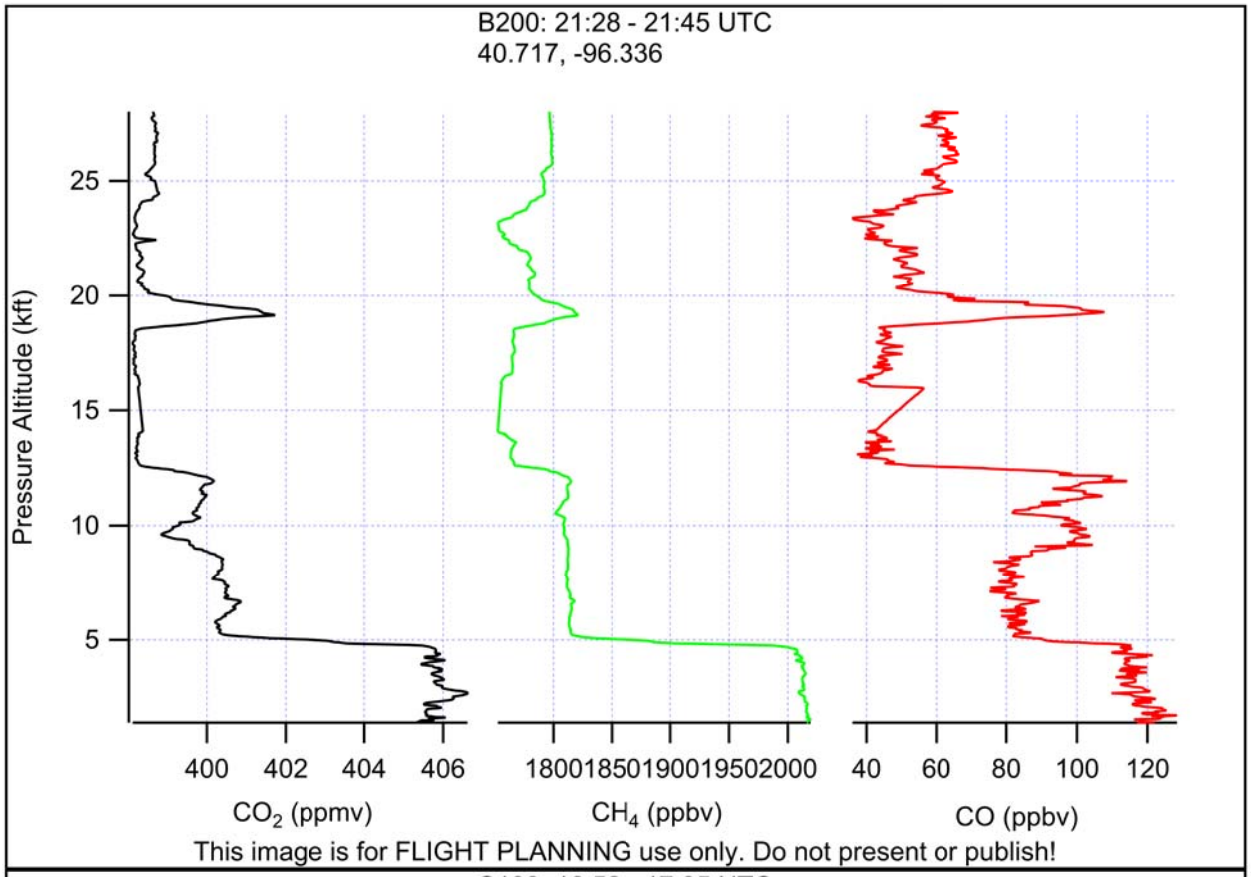

B200: 17:54 - 18:02 UTC
40.877, -96.947
Pressure Altitude (kft)
10
8
6
4
2
398 400 402 404 406
CO2 (ppmv)
1800 1850 1900 1950 2000
CH4 (ppbv)
40 60 80 100 120
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

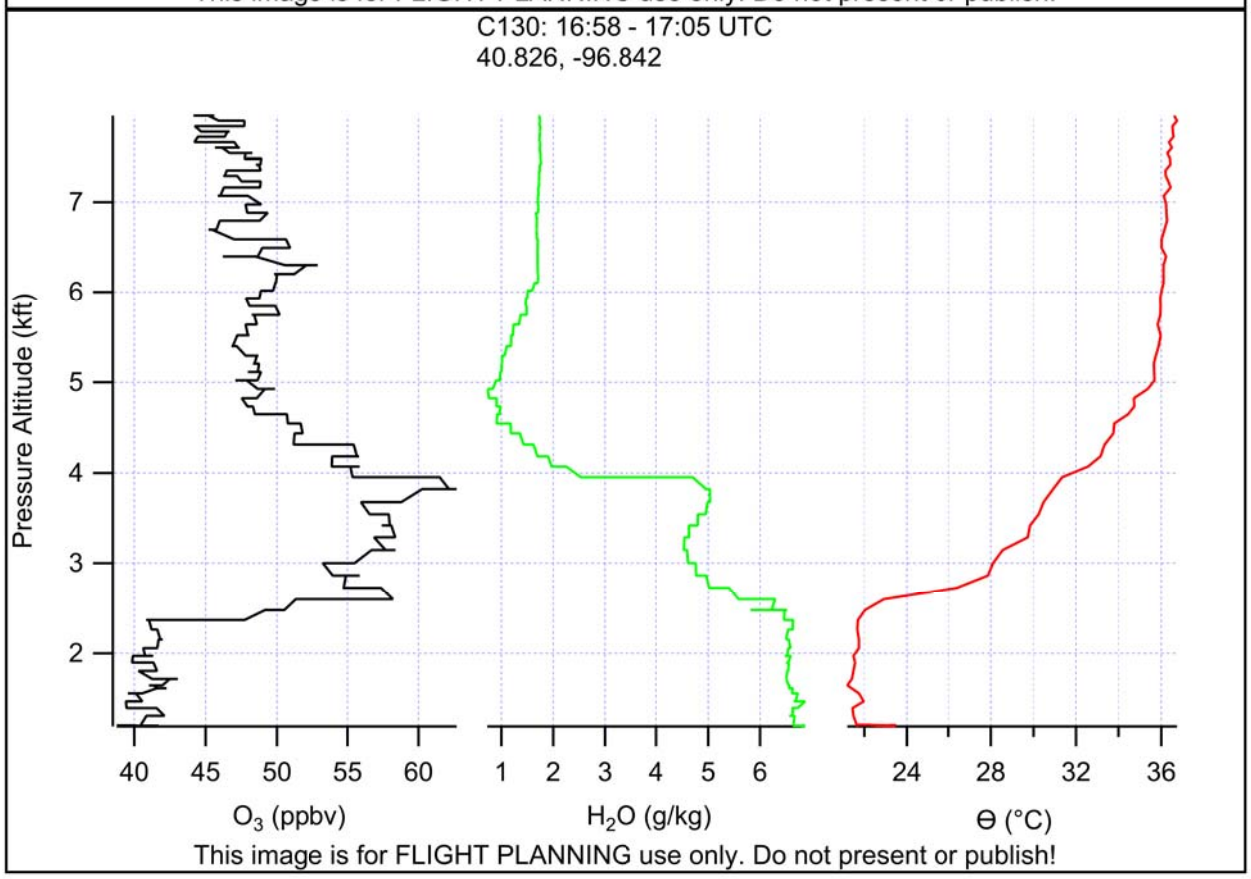

B200: 18:19 - 18:29 UTC
41.3, -98.669
Pressure Altitude (kft)
10
8
6
4
399 400 401 402 403
CO2 (ppmv)
1780 1800 1820
CH4 (ppbv)
40 60 80 100
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

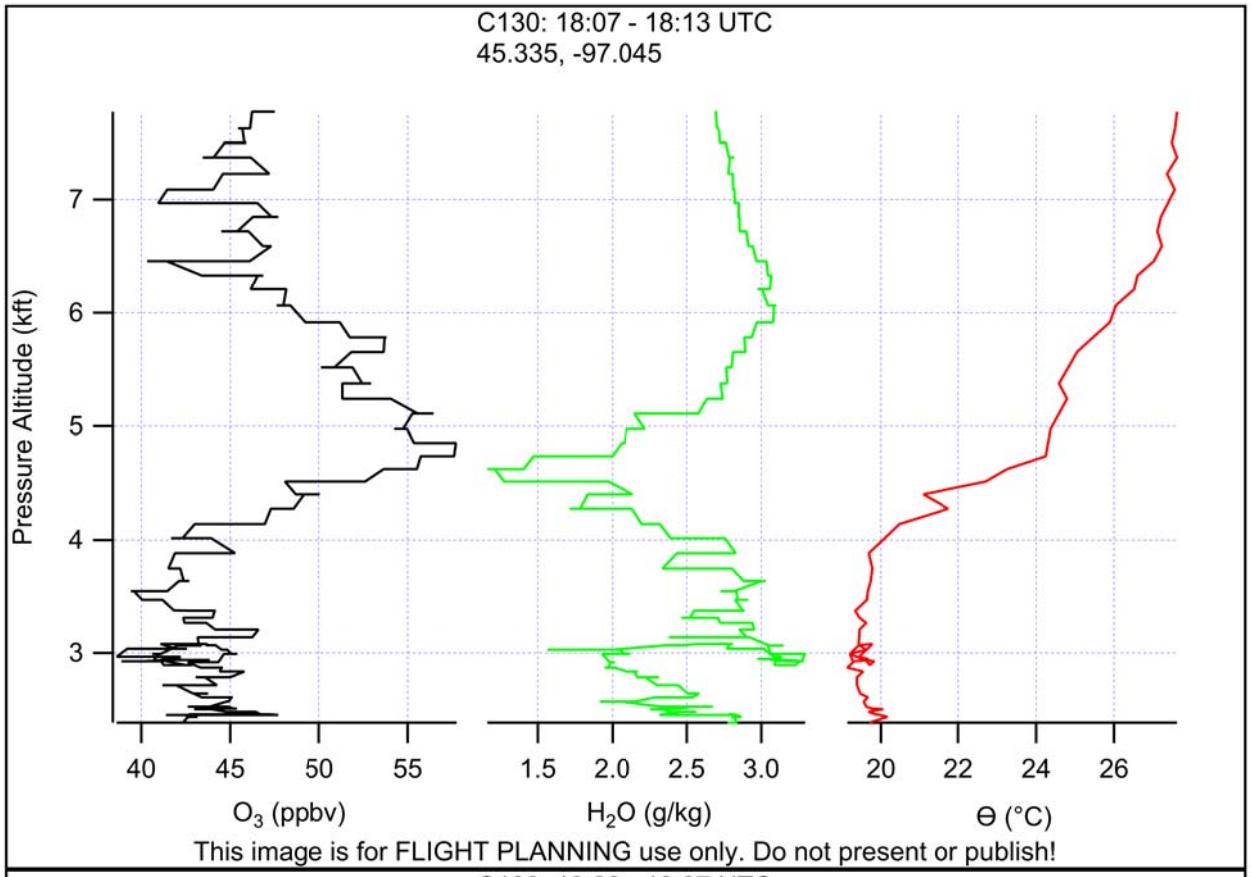

B200: 20:17 - 20:25 UTC
39.342, -92.587
Pressure Altitude (kft)
12
10
8
6
4
2
397.0 398.0 399.0 400.0
CO2 (ppmv)
1800 1840 1880
CH4 (ppbv)
70 80 90 100 110 120
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

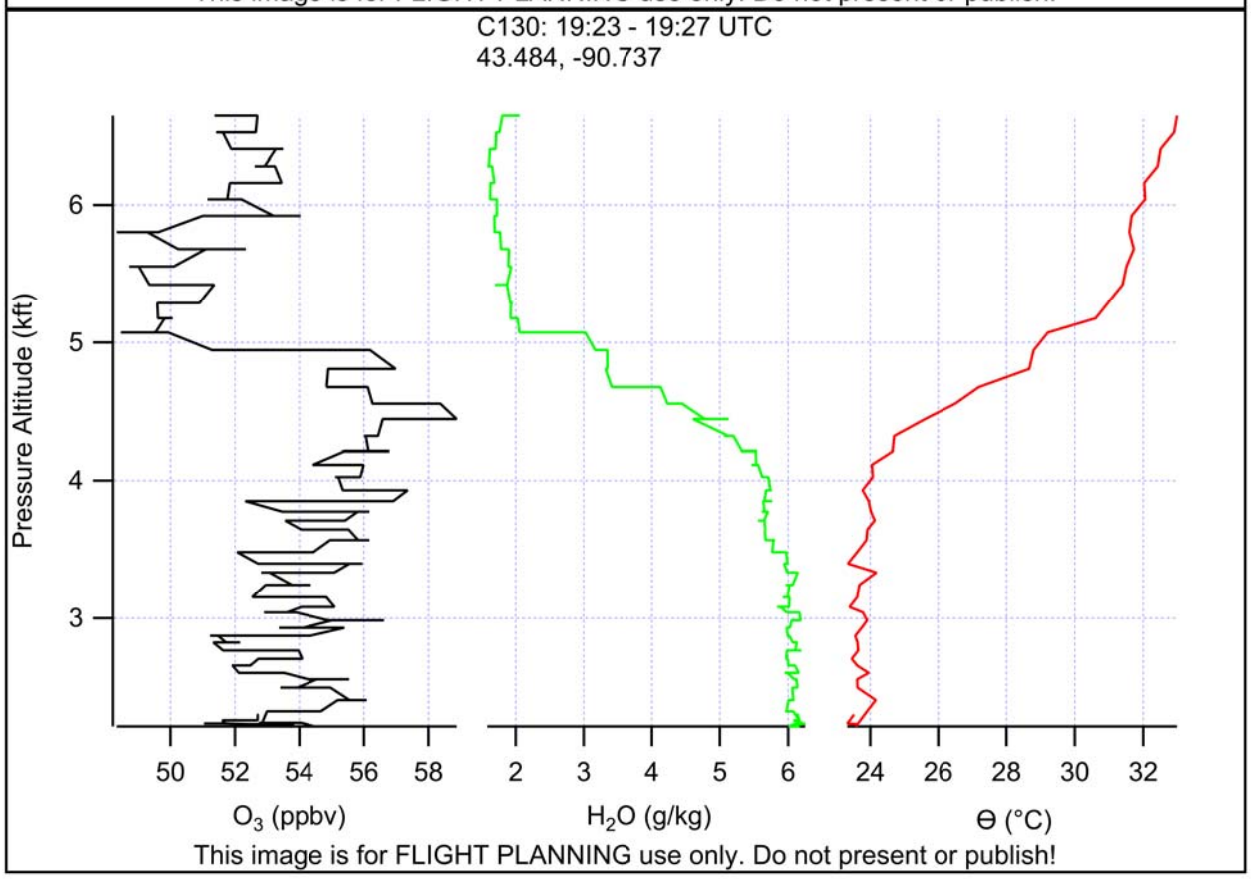

B200: 20:58 - 21:07 UTC
40.253, -95.524
Pressure Altitude (kft)
12
10
8
6
4
2
398
400
402
404
CO_2 (ppmv)
1800
1840
1880
1920
CH_4 (ppbv)
60
80
100
120
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

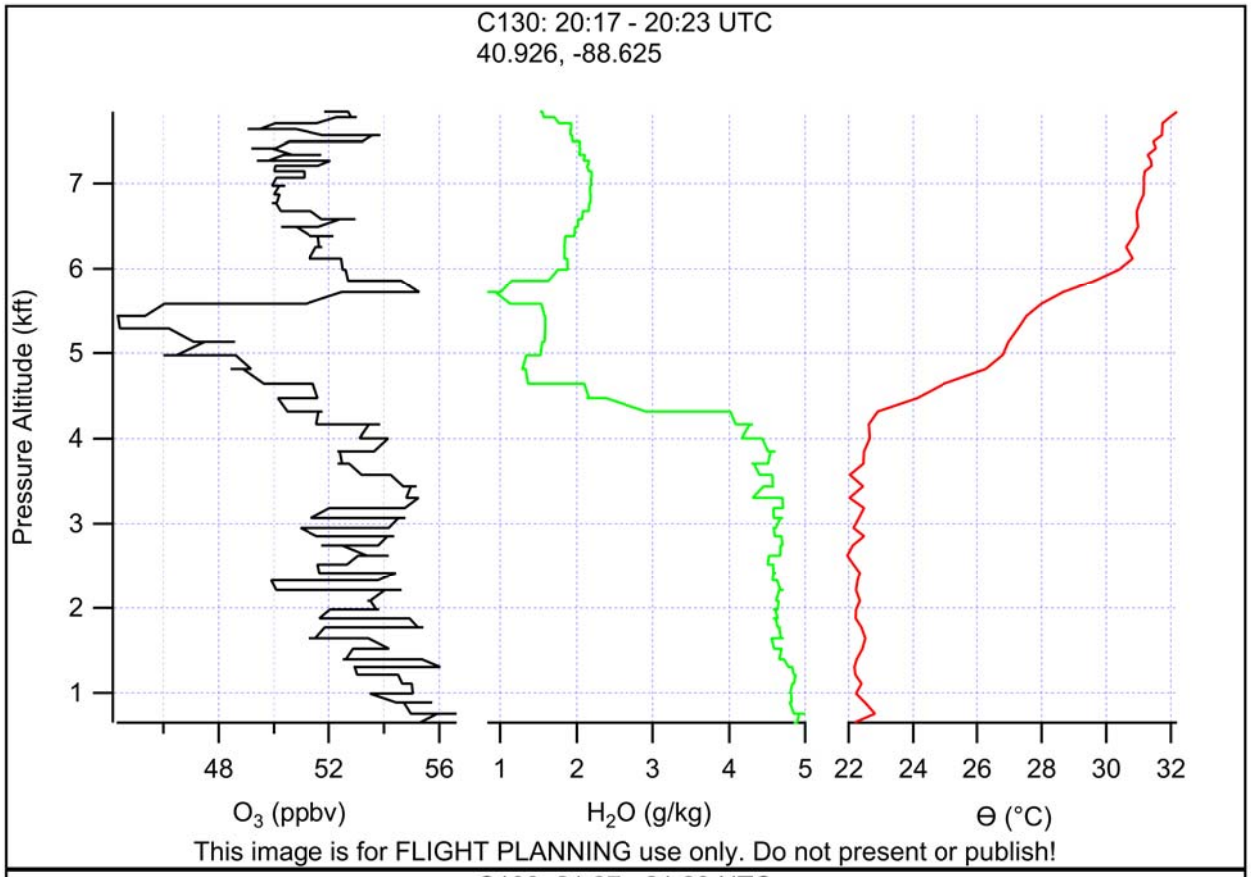

B200: 21:07 - 21:27 UTC
40.396, -95.788
Pressure Altitude (kft)
25
20
15
10
5
400
402
404
CO_2 (ppmv)
1800
1850
1900
CH_4 (ppbv)
40
60
80
100
120
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 21:28 - 21:45 UTC
40.717, -96.336
Pressure Altitude (kft)
25
20
15
10
5
400
402
404
406
CO_2 (ppmv)
1800
1850
1900
1950
2000
CH_4 (ppbv)
40
60
80
100
120
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 16:58 - 17:05 UTC
40.826, -96.842
Pressure Altitude (kft)
7
6
5
4
3
2
40
45
50
55
60
O_3 (ppbv)
1
2
3
4
5
6
H_2O (g/kg)
24
28
32
36
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 18:07 - 18:13 UTC
45.335, -97.045
Pressure Altitude (kft)
7
6
5
4
3
40
45
50
55
O3 (ppbv)
1.5
2.0
2.5
3.0
H2O (g/kg)
20
22
24
26
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 19:23 - 19:27 UTC
43.484, -90.737
Pressure Altitude (kft)
6
5
4
3
50
52
54
56
58
O3 (ppbv)
2
3
4
5
6
H2O (g/kg)
24
26
28
30
32
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 20:17 - 20:23 UTC
40.926, -88.625
Pressure Altitude (kft)
7
6
5
4
3
2
1
48
52
56
1
2
3
4
5
22
24
26
28
30
32
O3 (ppbv)
H2O (g/kg)
Θ (°C)
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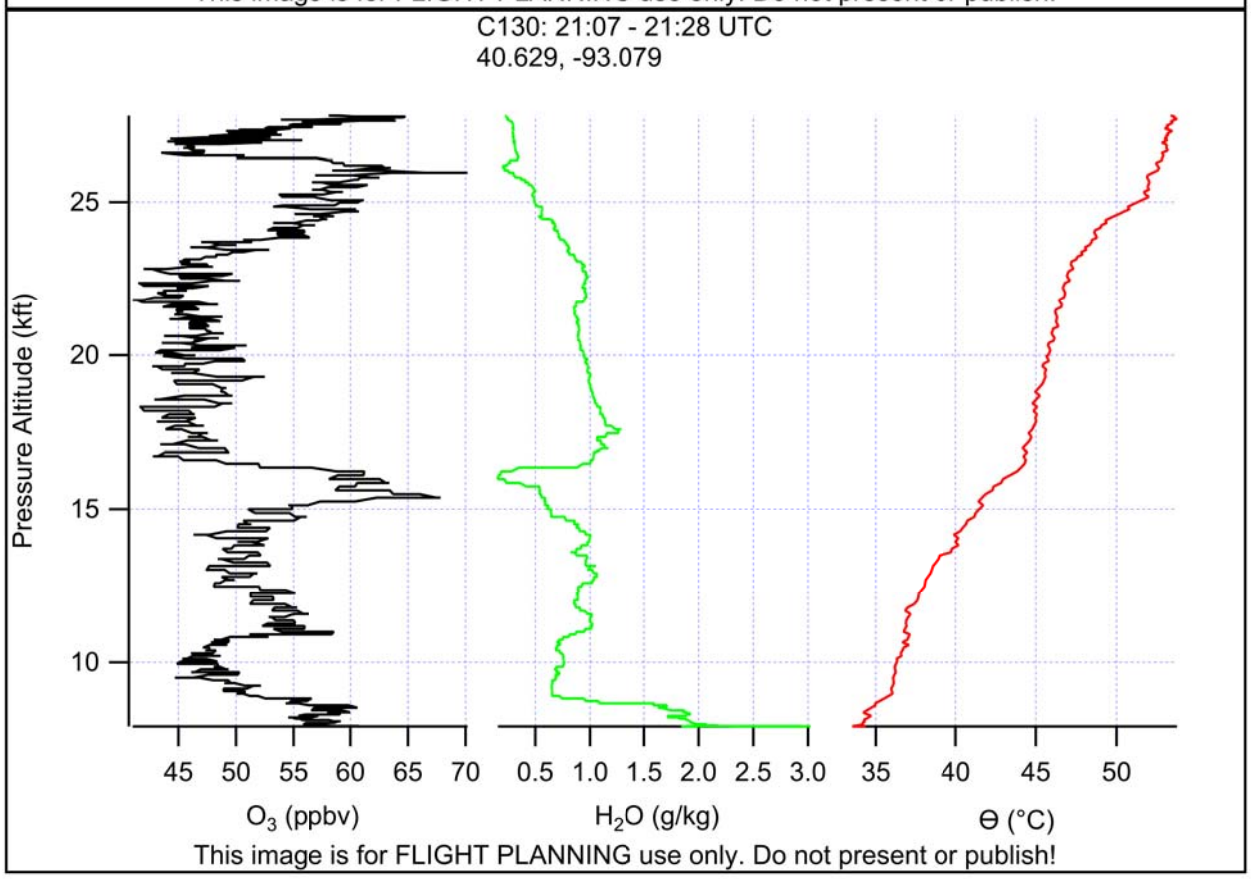
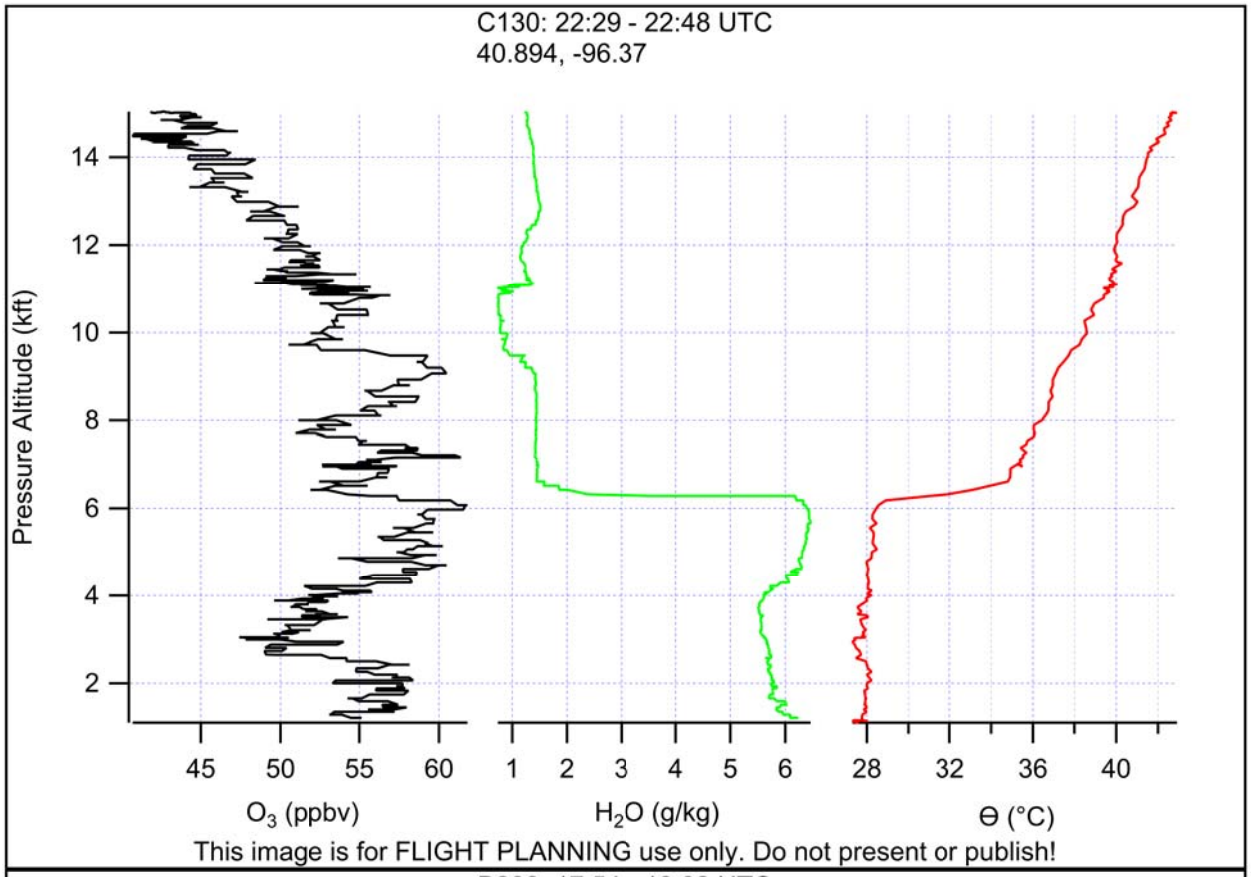

C130: 21:07 - 21:28 UTC
40.629, -93.079
Pressure Altitude (kft)
25
20
15
10
45
50
55
60
65
70
0.5
1.0
1.5
2.0
2.5
3.0
35
40
45
50
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 22:29 - 22:48 UTC
40.894, -96.37
Pressure Altitude (kft)
14
12
10
8
6
4
2
45 50 55 60
O3 (ppbv)
1 2 3 4 5 6
H2O (g/kg)
28 32 36 40
Θ (°C)
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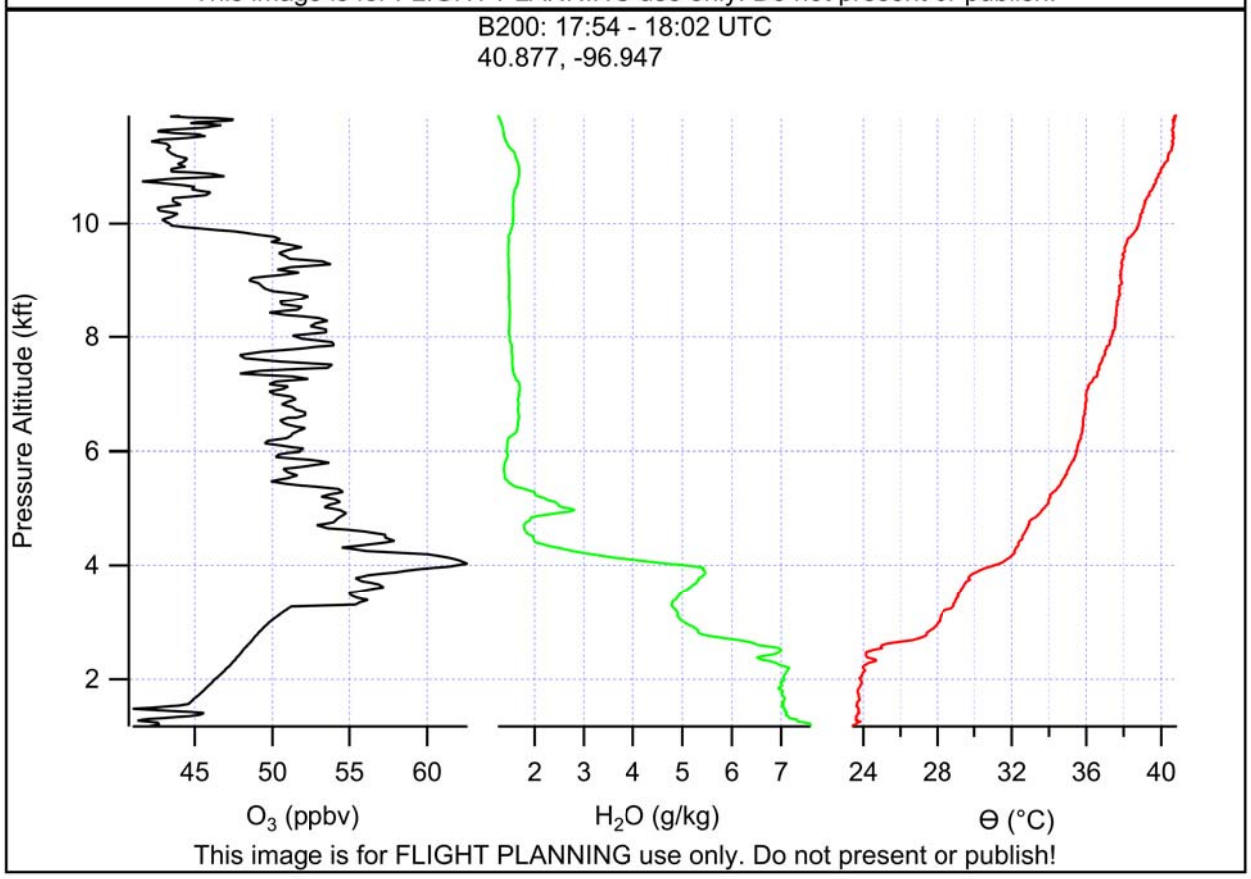
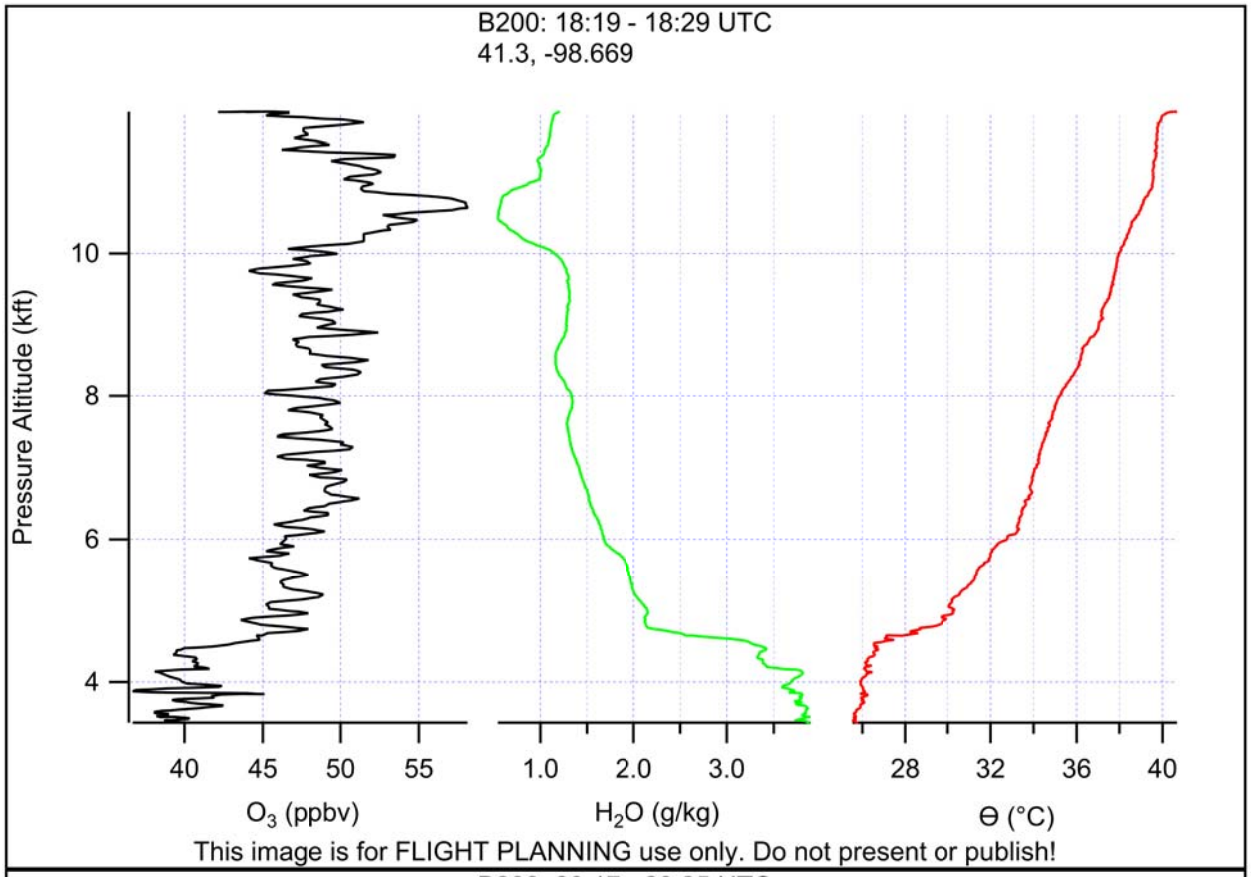

B200: 17:54 - 18:02 UTC
40.877, -96.947
Pressure Altitude (kft)
10
8
6
4
2
45 50 55 60
O3 (ppbv)
2 3 4 5 6 7
H2O (g/kg)
24 28 32 36 40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 18:19 - 18:29 UTC
41.3, -98.669
Pressure Altitude (kft)
10
8
6
4
40
45
50
55
O_3 (ppbv)
1.0
2.0
3.0
H_2O (g/kg)
28
32
36
40
Θ (°C)
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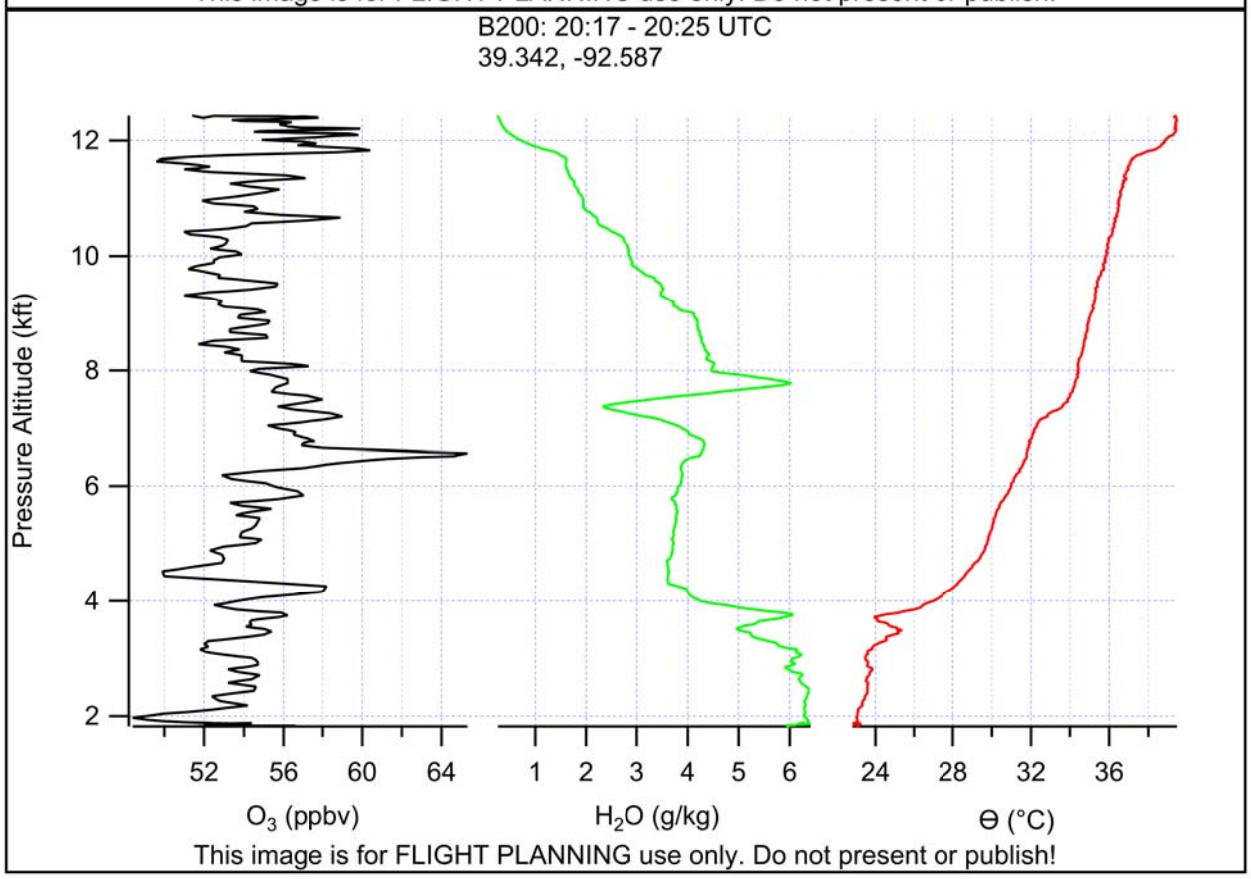
B200: 20:17 - 20:25 UTC
39.342, -92.587
Pressure Altitude (kft)
12
10
8
6
4
2
52
56
60
64
O_3 (ppbv)
1
2
3
4
5
6
H_2O (g/kg)
24
28
32
36
Θ (°C)
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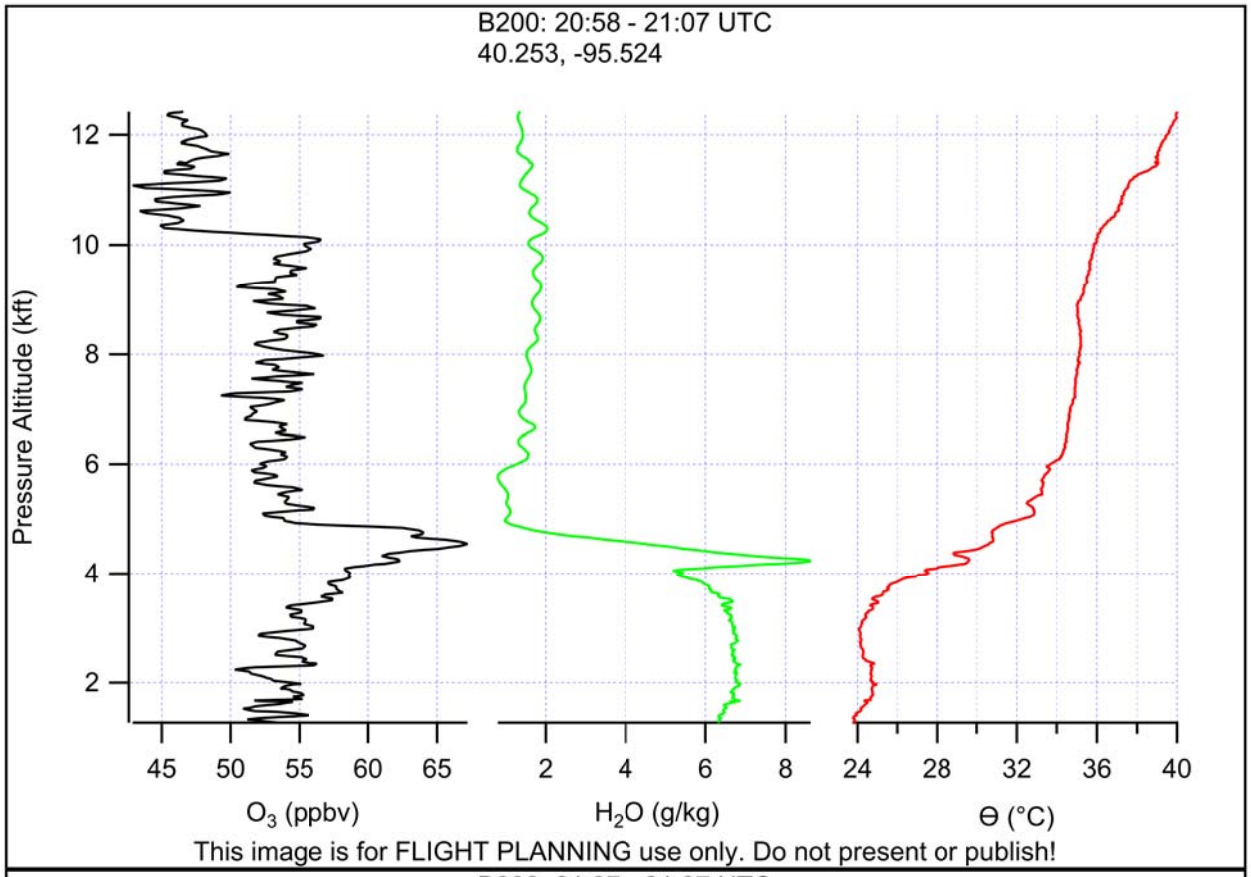
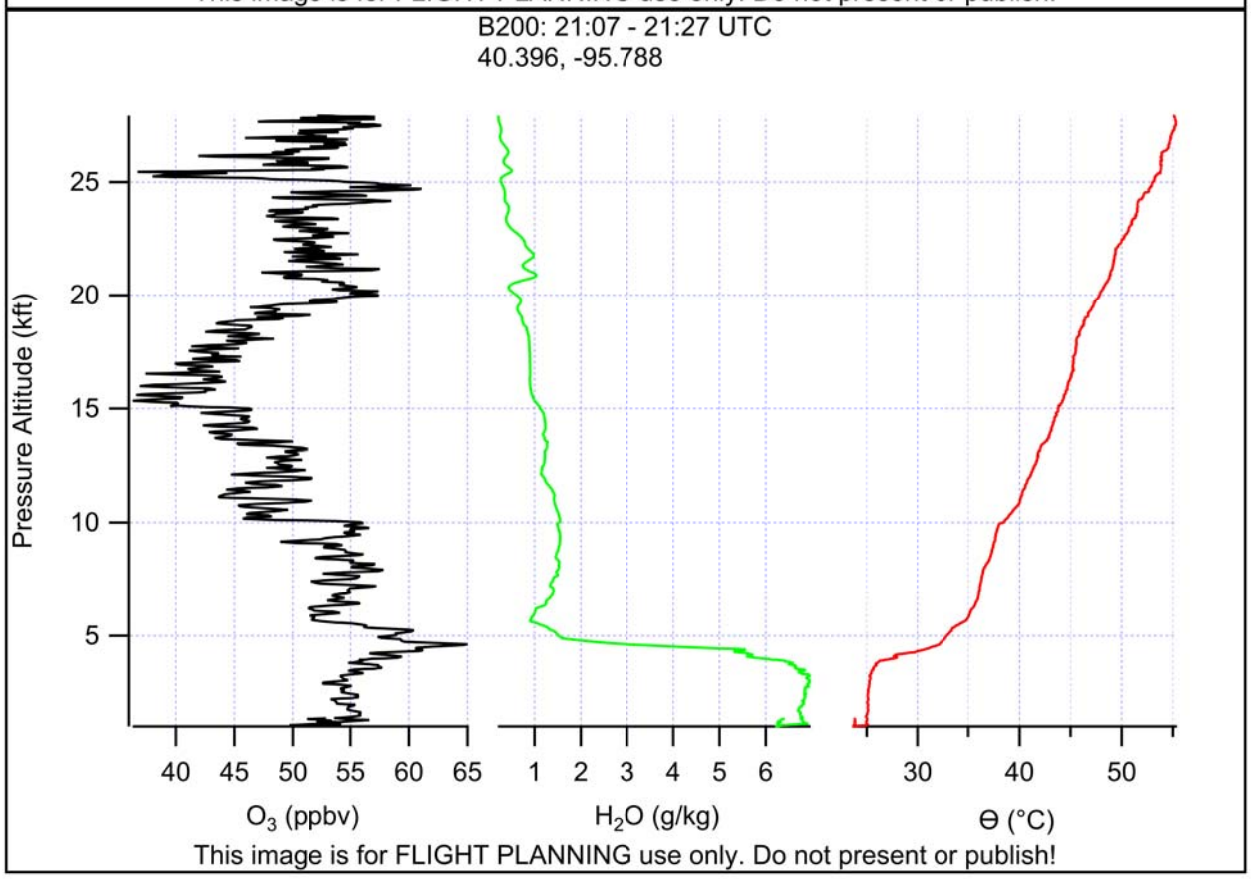
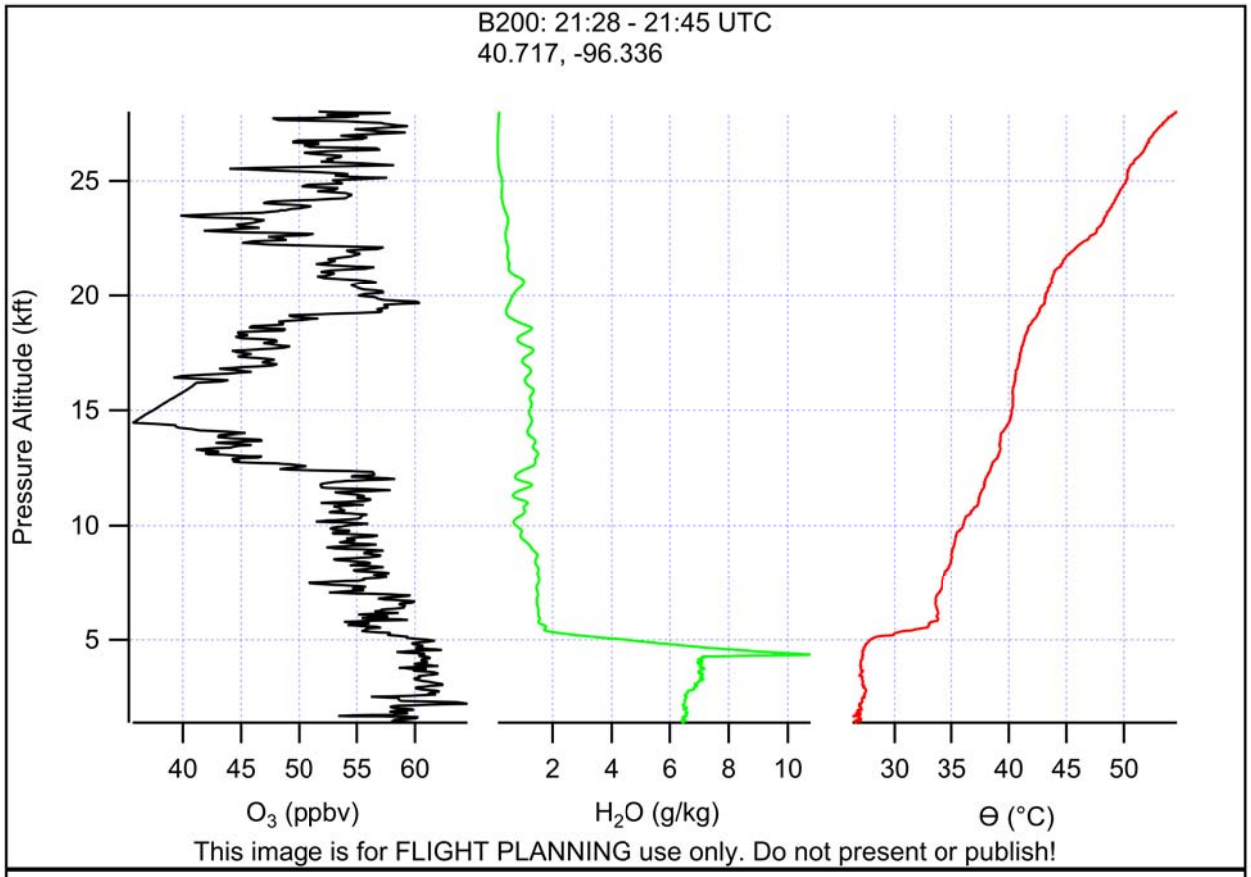

B200: 20:58 - 21:07 UTC
40.253, -95.524
Pressure Altitude (kft)
12
10
8
6
4
2
45 50 55 60 65
O3 (ppbv)
2 4 6 8
H2O (g/kg)
24 28 32 36 40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 21:07 - 21:27 UTC
40.396, -95.788
Pressure Altitude (kft)
25
20
15
10
5
40 45 50 55 60 65
O3 (ppbv)
1 2 3 4 5 6
H2O (g/kg)
30 40 50
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 21:28 - 21:45 UTC
40.717, -96.336
Pressure Altitude (kft)
25
20
15
10
5
40 45 50 55 60
O3 (ppbv)
2 4 6 8 10
H2O (g/kg)
30 35 40 45 50
Θ (°C)
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