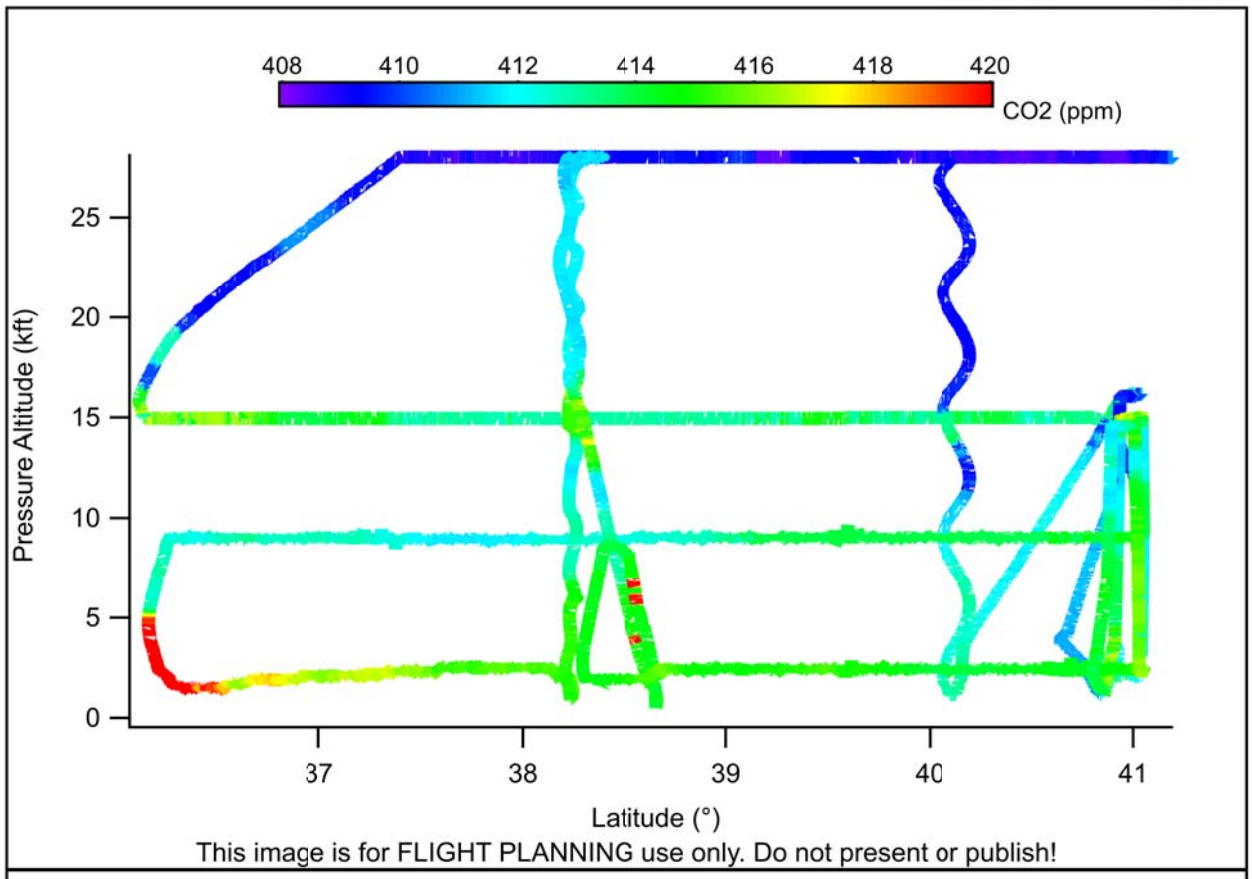
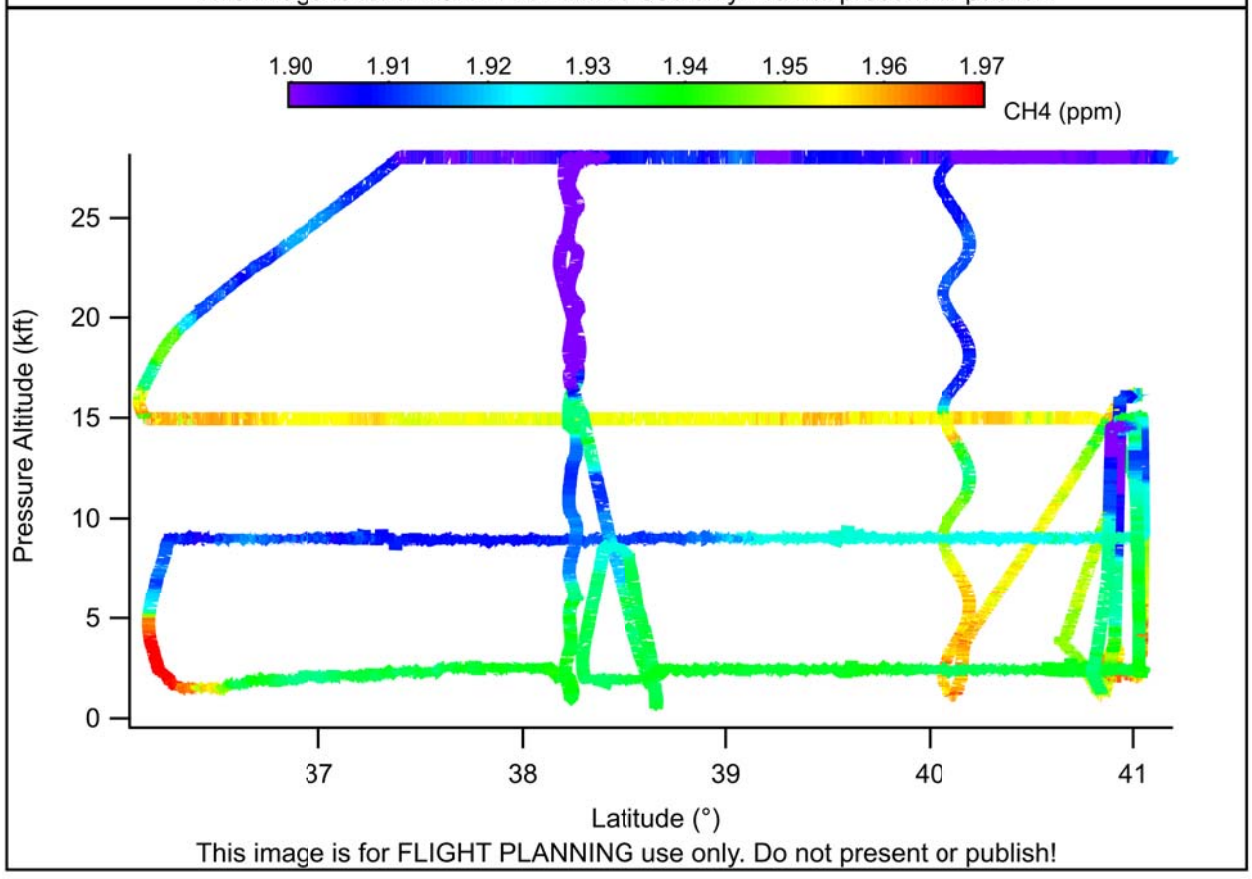
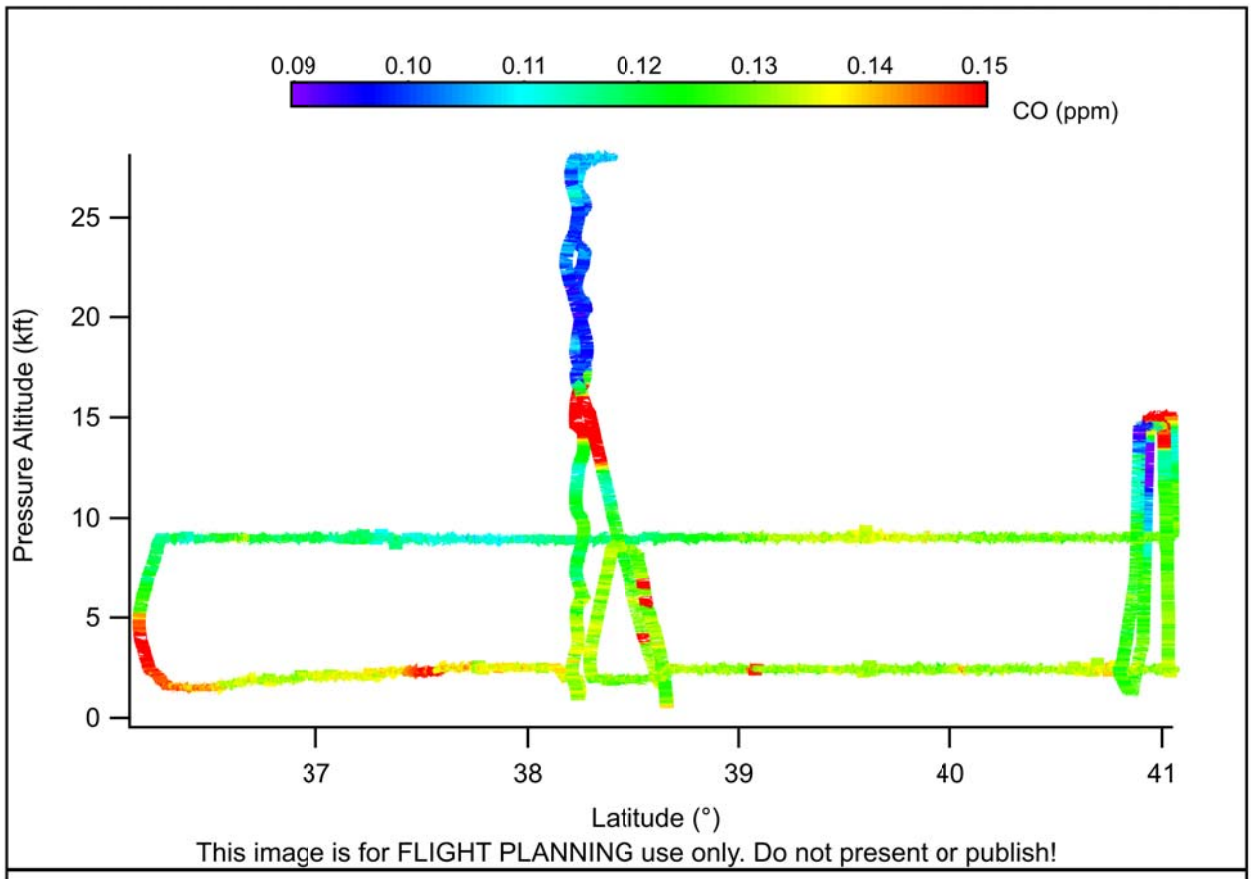
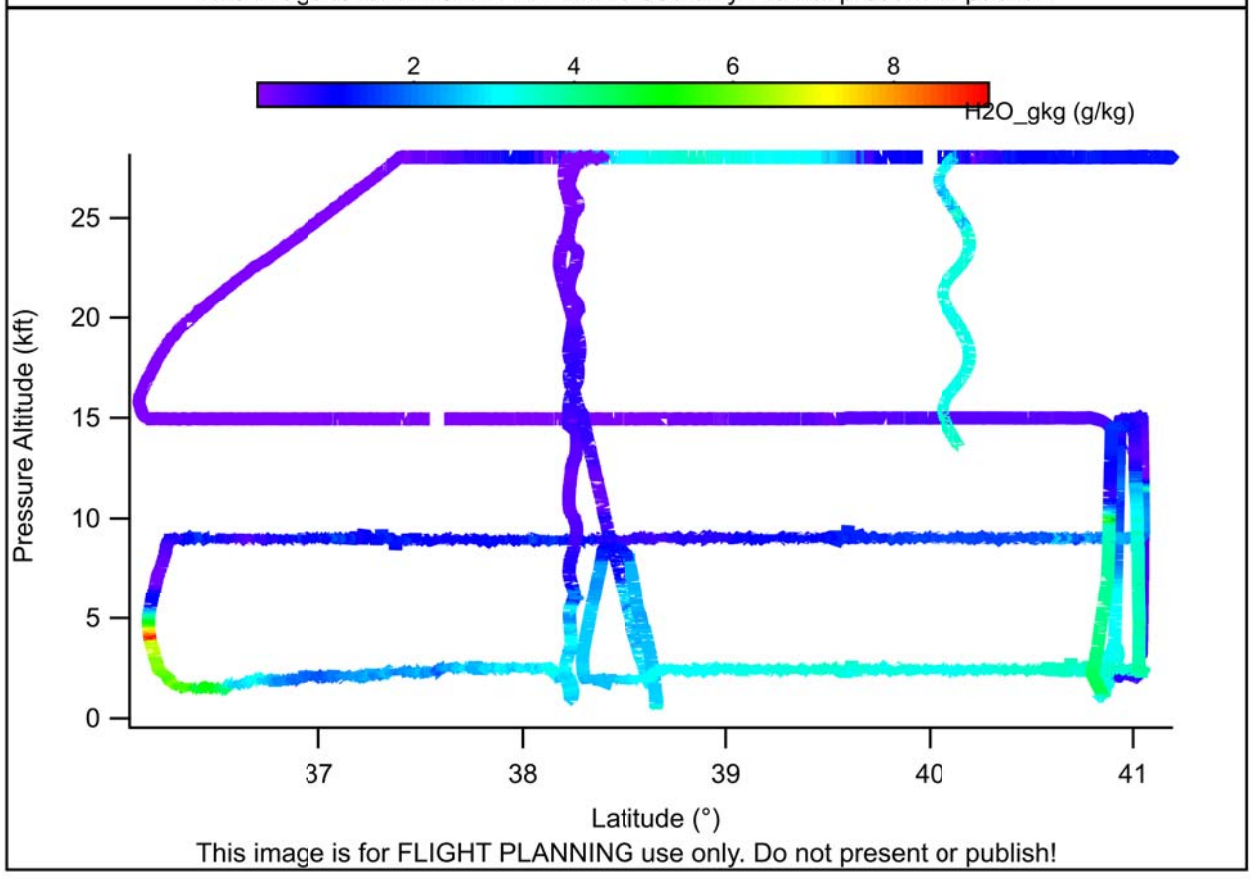
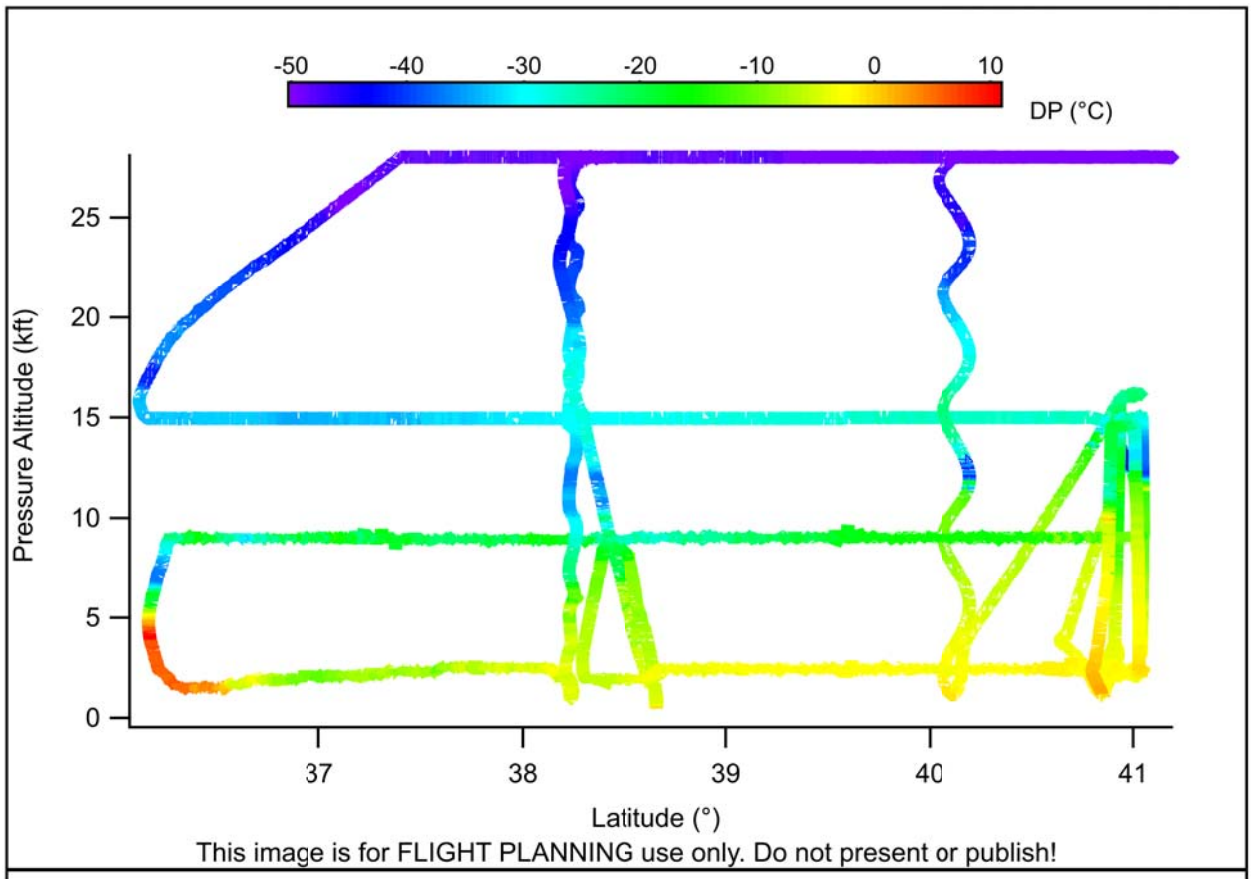
ACT-America 20180427

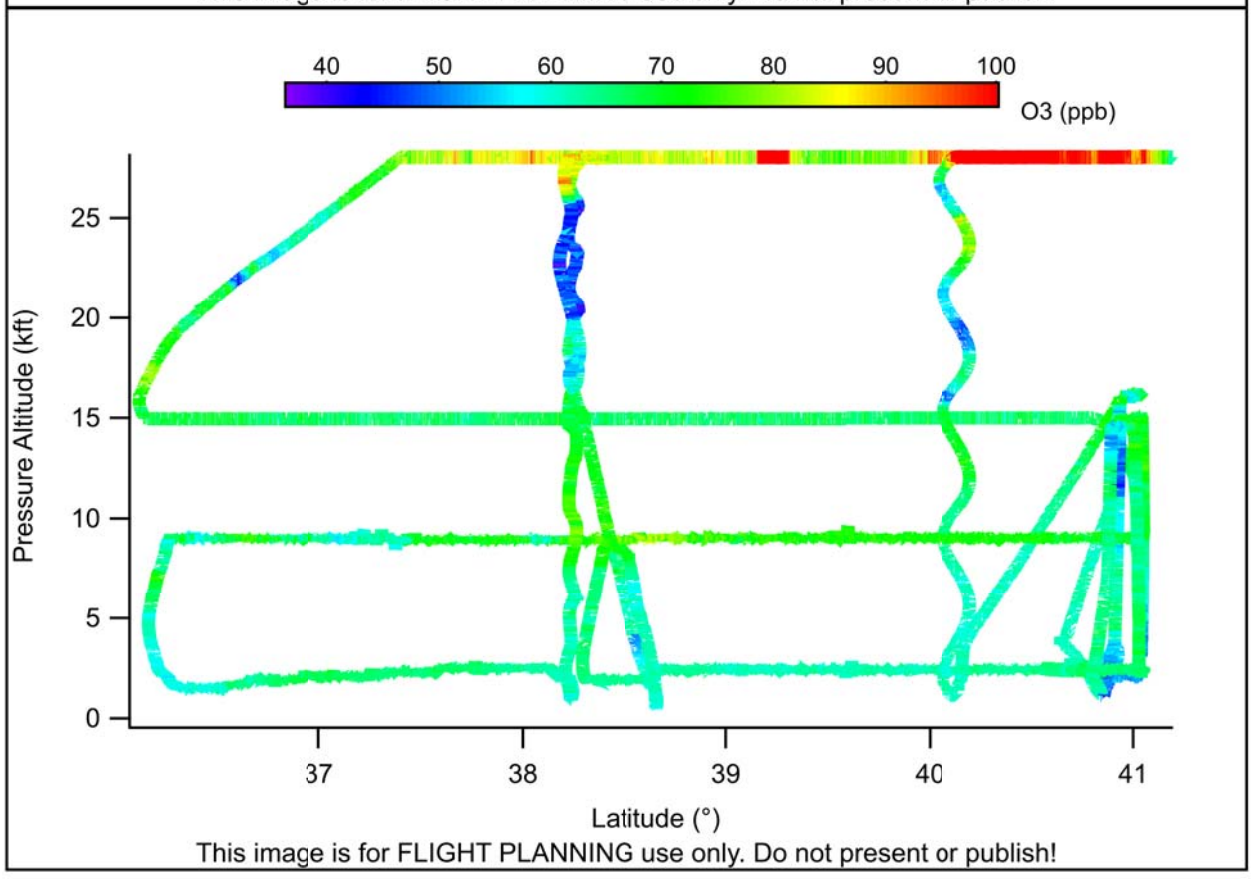

408
410
412
414
416
418
420
CO2 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
37
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

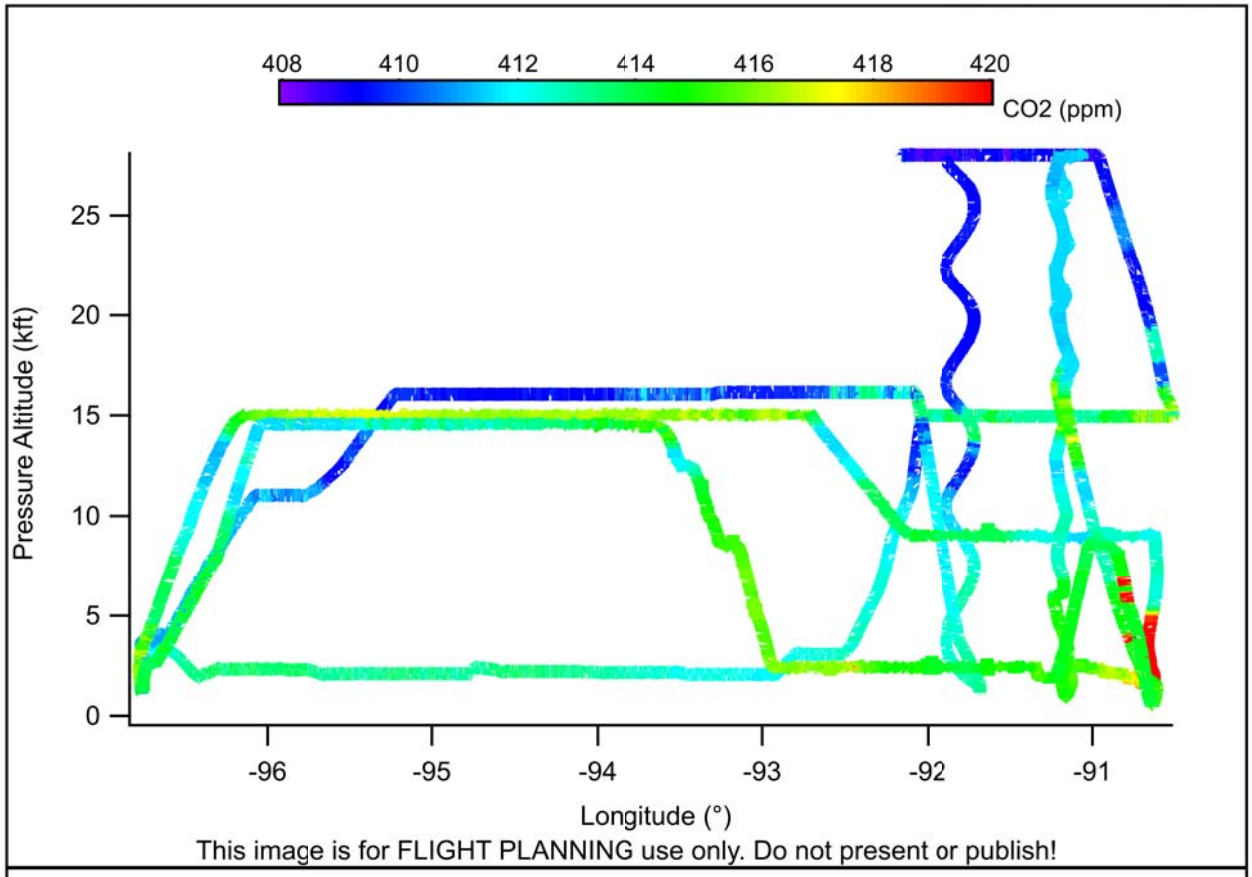

1.90
1.91
1.92
1.93
1.94
1.95
1.96
1.97
CH4 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
37
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

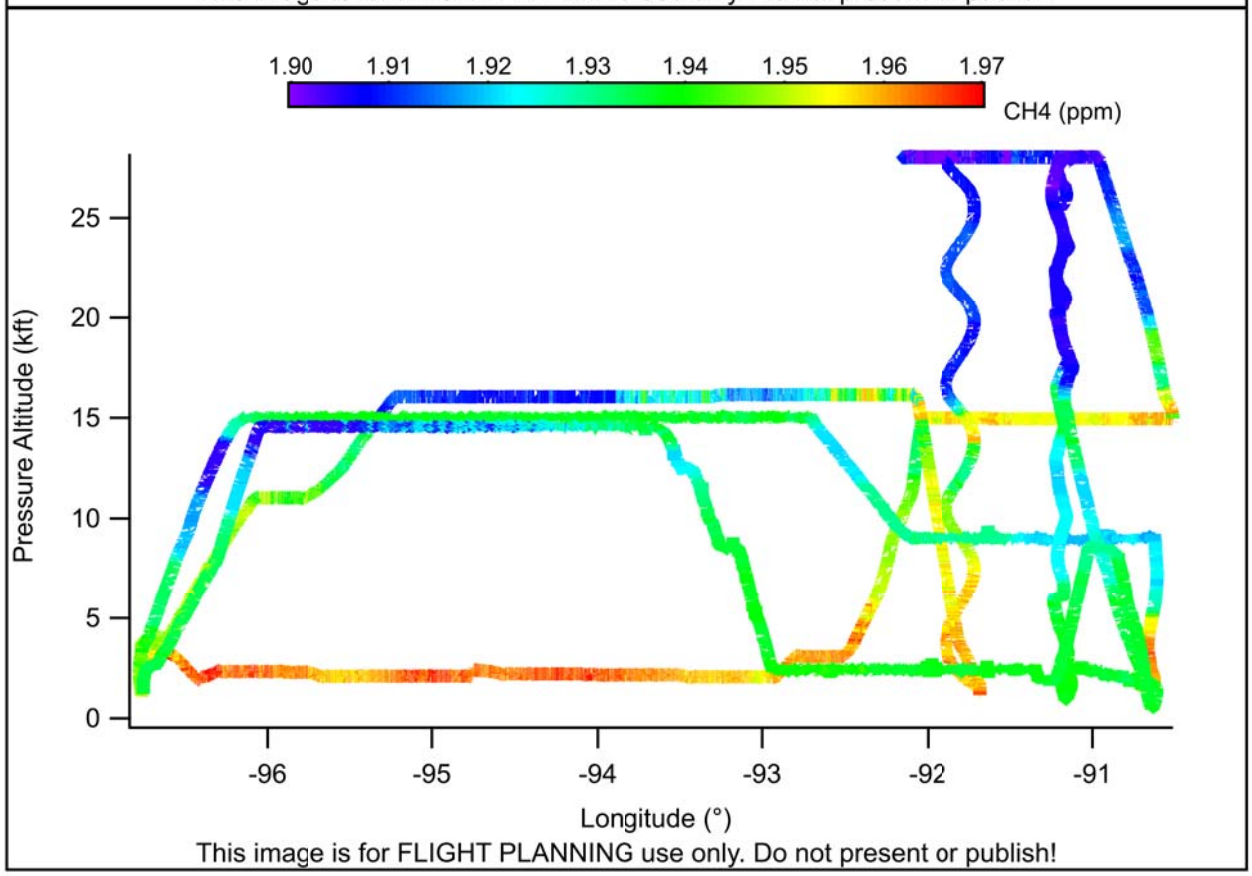

0.09
0.10
0.11
0.12
0.13
0.14
0.15
CO (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
37
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

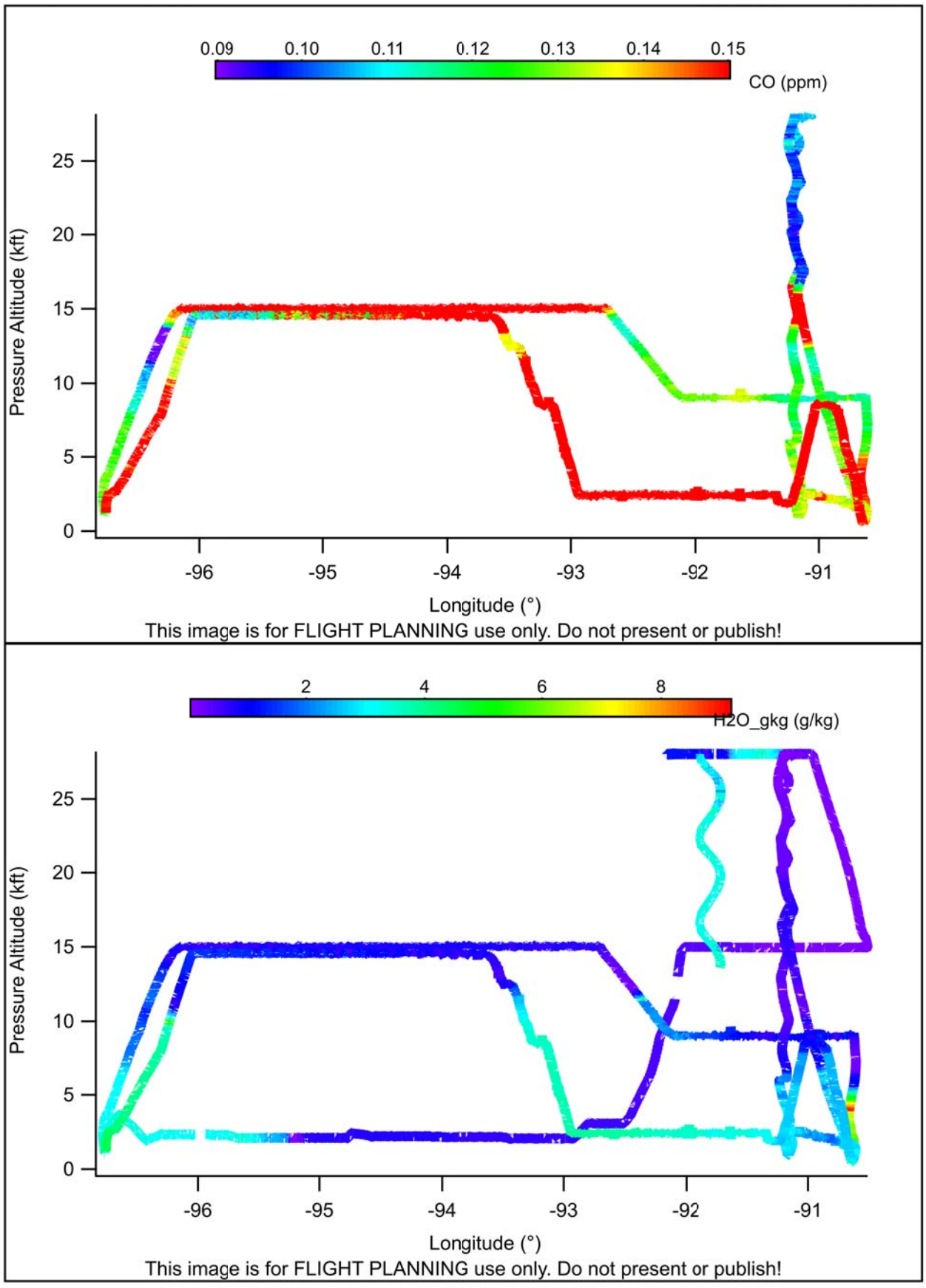

2
4
6
8
H2O_gkg (g/kg)
Pressure Altitude (kft)
25
20
15
10
5
0
37
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

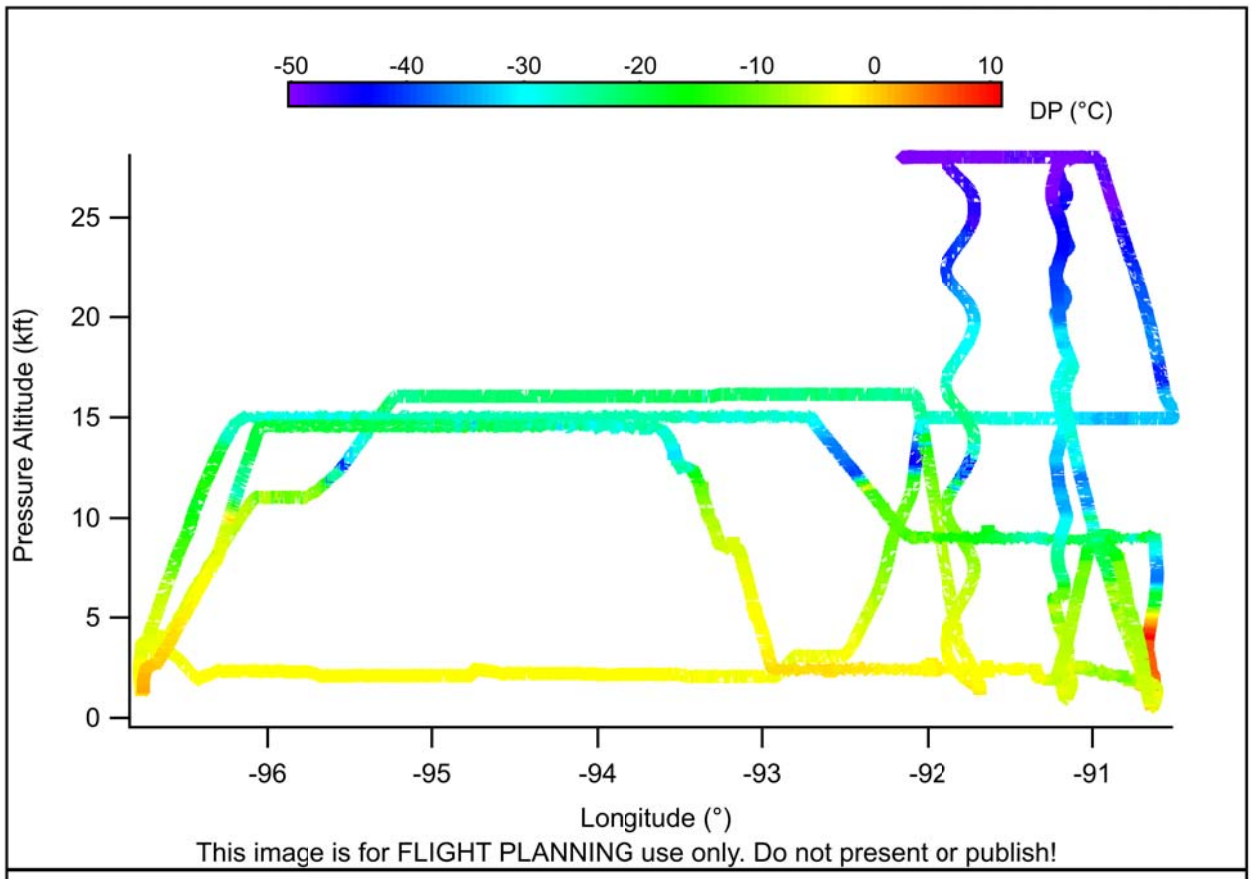

-50
-40
-30
-20
-10
0
10
DP (°C)
Pressure Altitude (kft)
25
20
15
10
5
0
37
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

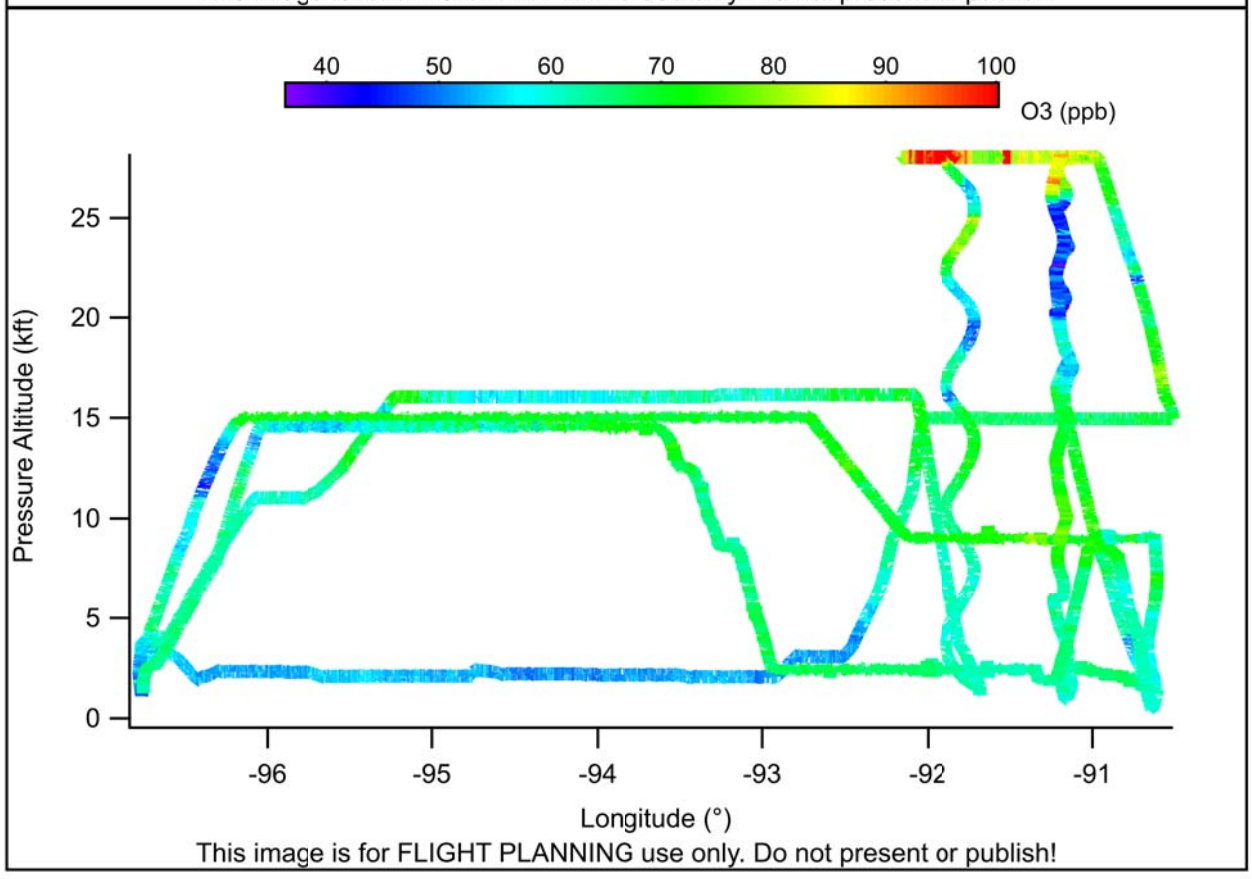

40
50
60
70
80
90
100
O3 (ppb)
Pressure Altitude (kft)
25
20
15
10
5
0
37
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

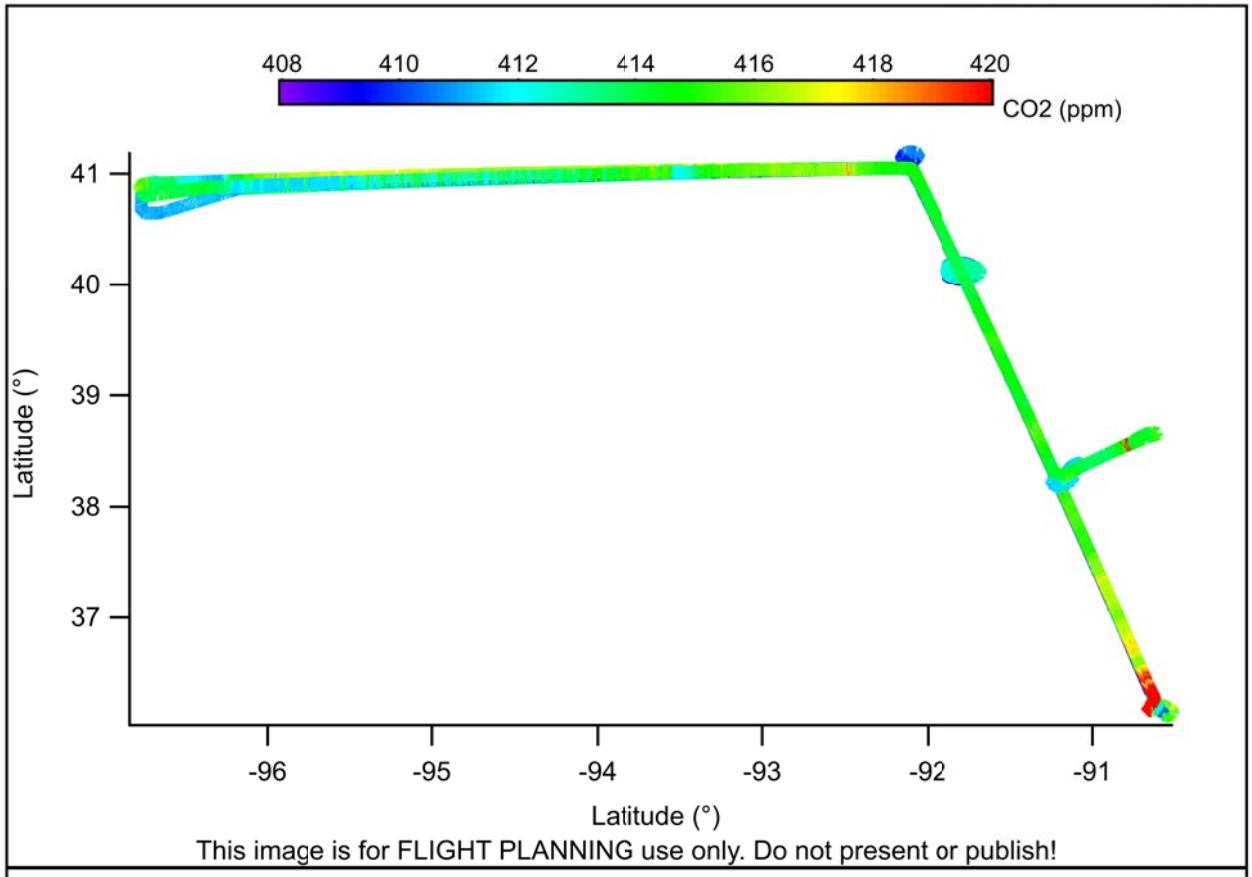

408 410 412 414 416 418 420
CO2 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
-96 -95 -94 -93 -92 -91
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

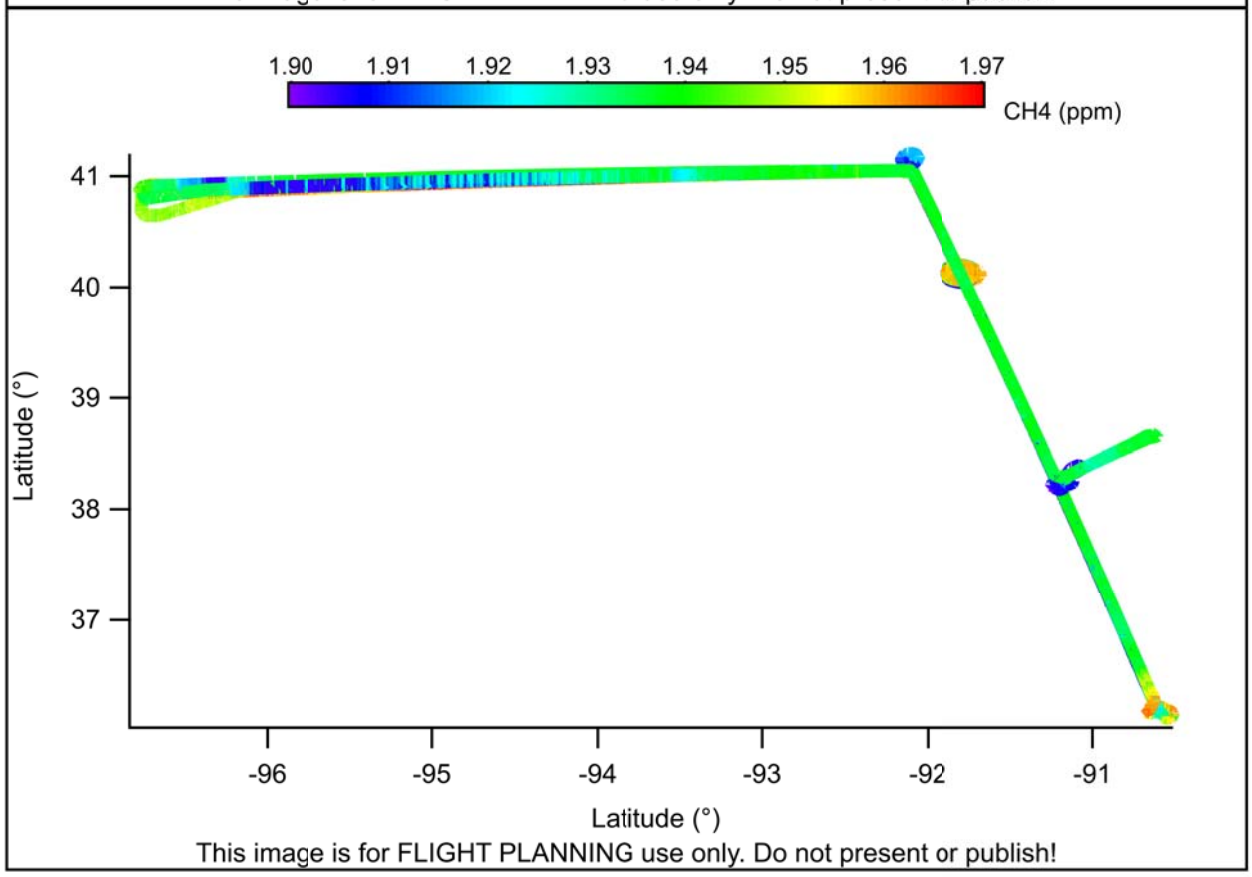

1.90 1.91 1.92 1.93 1.94 1.95 1.96 1.97
CH4 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
-96 -95 -94 -93 -92 -91
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

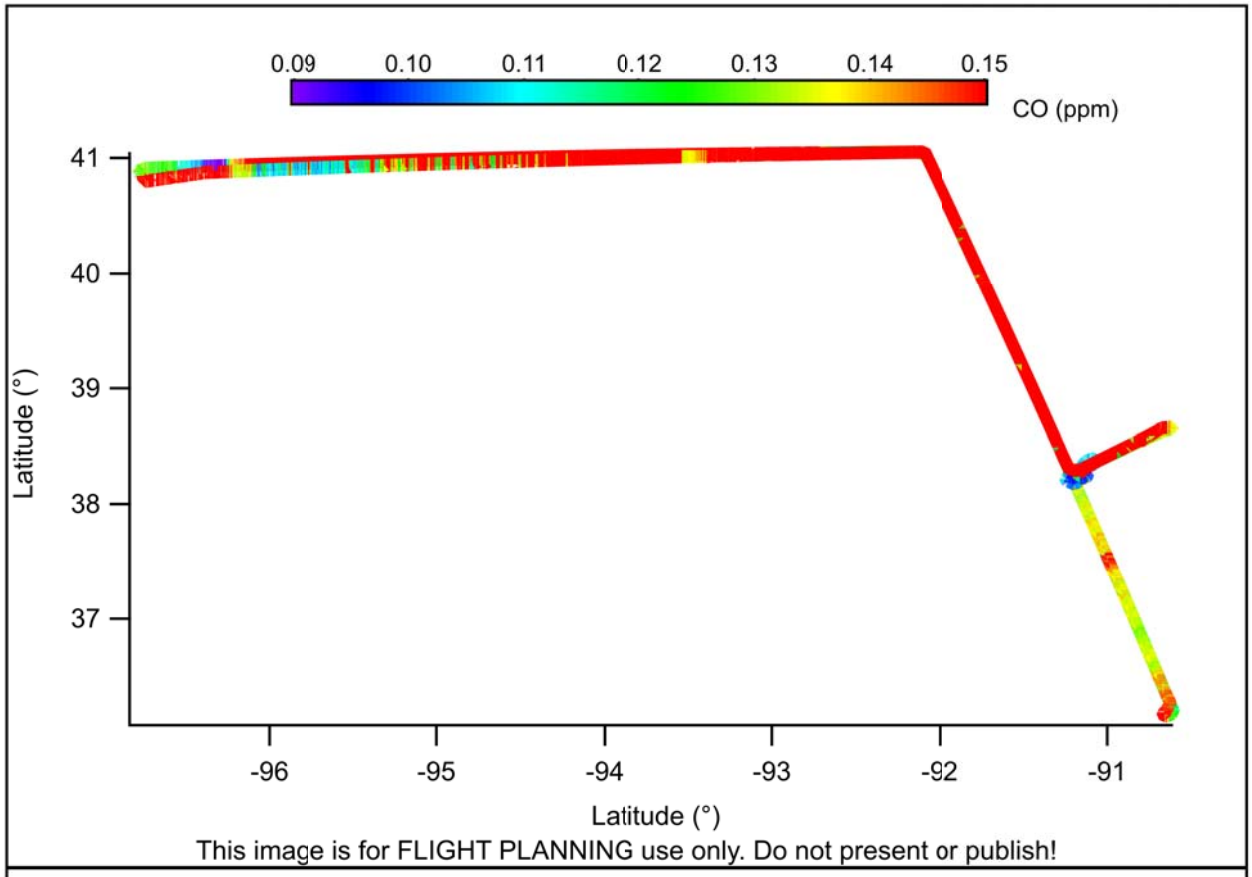

0.09
0.10
0.11
0.12
0.13
0.14
0.15
CO (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
-96
-95
-94
-93
-92
-91
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!
2
4
6
8
H2O_gkg (g/kg)
Pressure Altitude (kft)
25
20
15
10
5
0
-96
-95
-94
-93
-92
-91
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

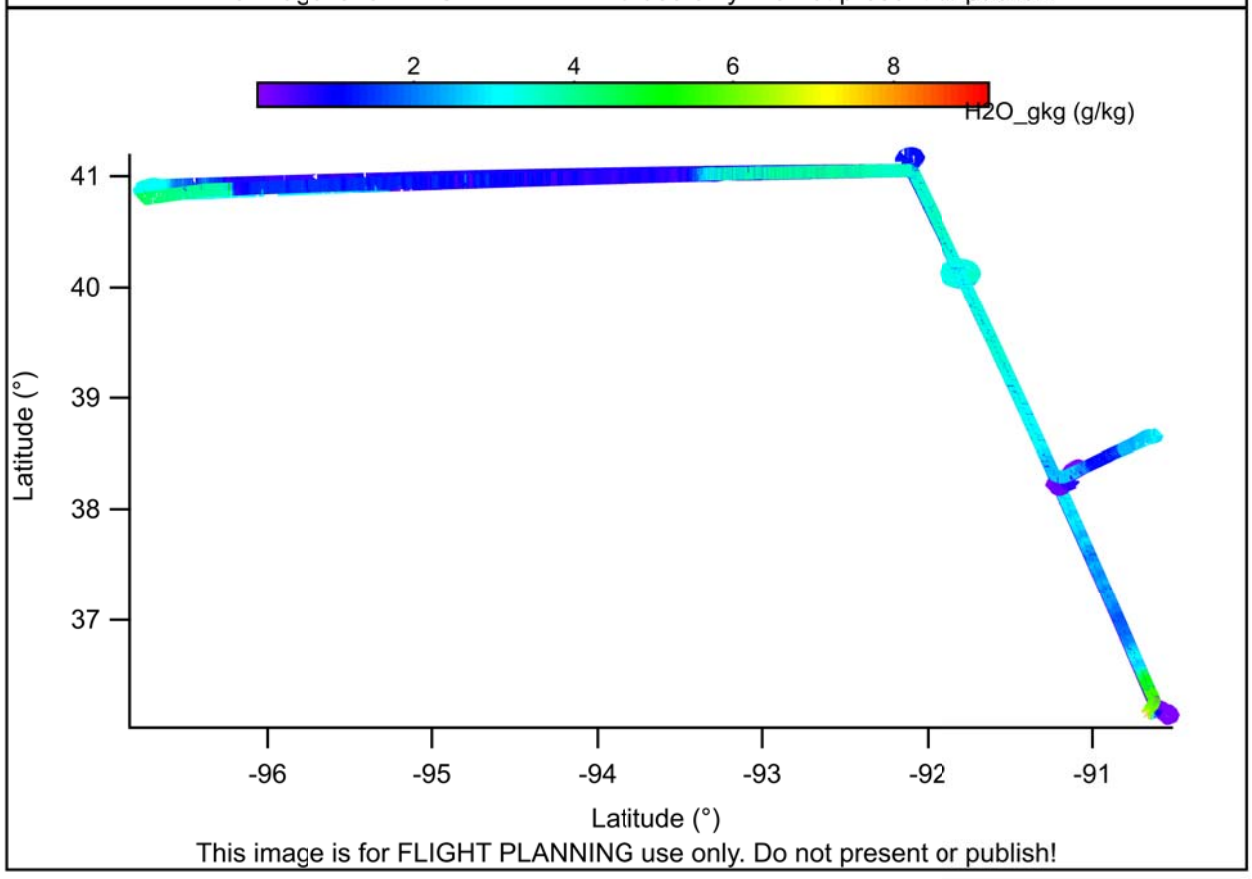

-50 -40 -30 -20 -10 0 10
DP (°C)
Pressure Altitude (kft)
25
20
15
10
5
0
-96 -95 -94 -93 -92 -91
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

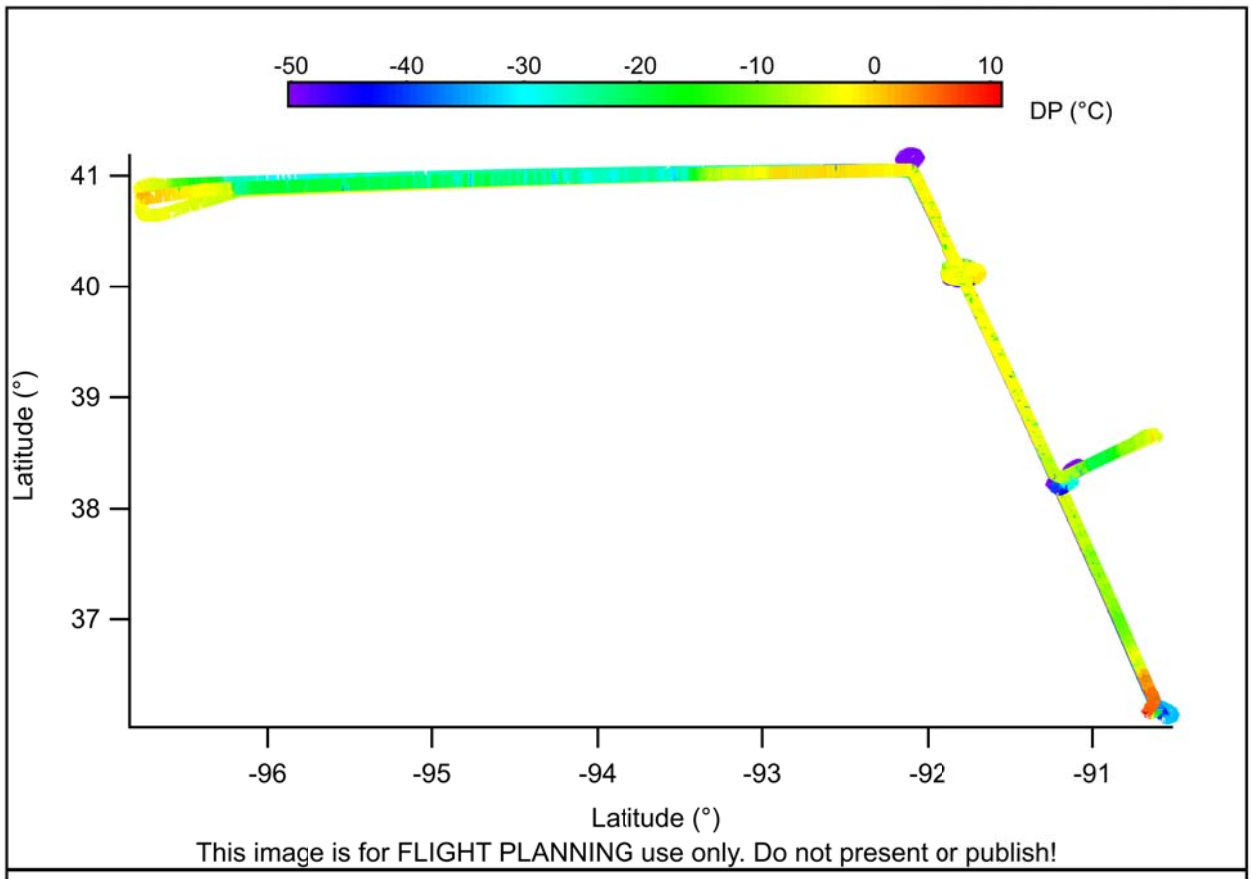

40 50 60 70 80 90 100
O3 (ppb)
Pressure Altitude (kft)
25
20
15
10
5
0
-96 -95 -94 -93 -92 -91
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

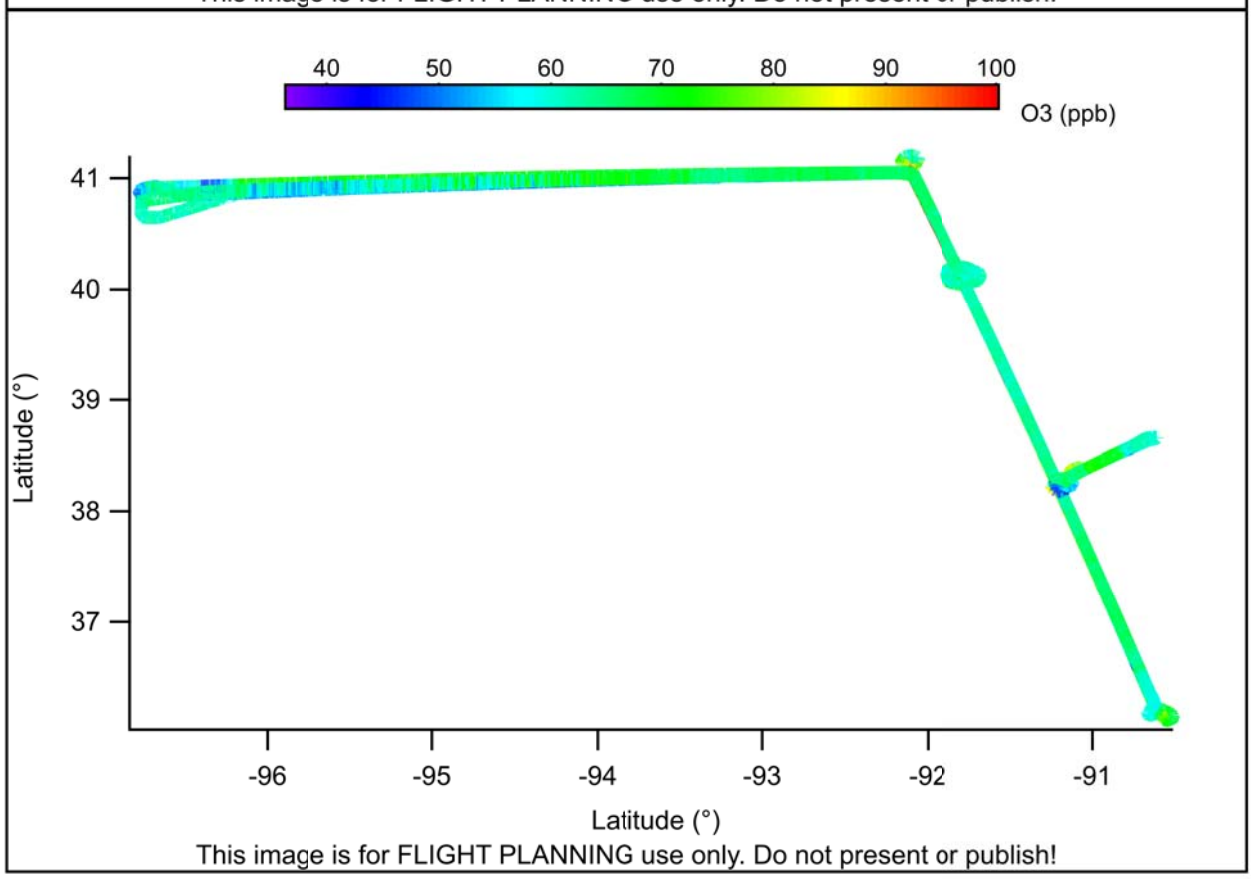

408 410 412 414 416 418 420
CO2 (ppm)
41
40
39
38
37
Latitude (°)
-96 -95 -94 -93 -92 -91
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

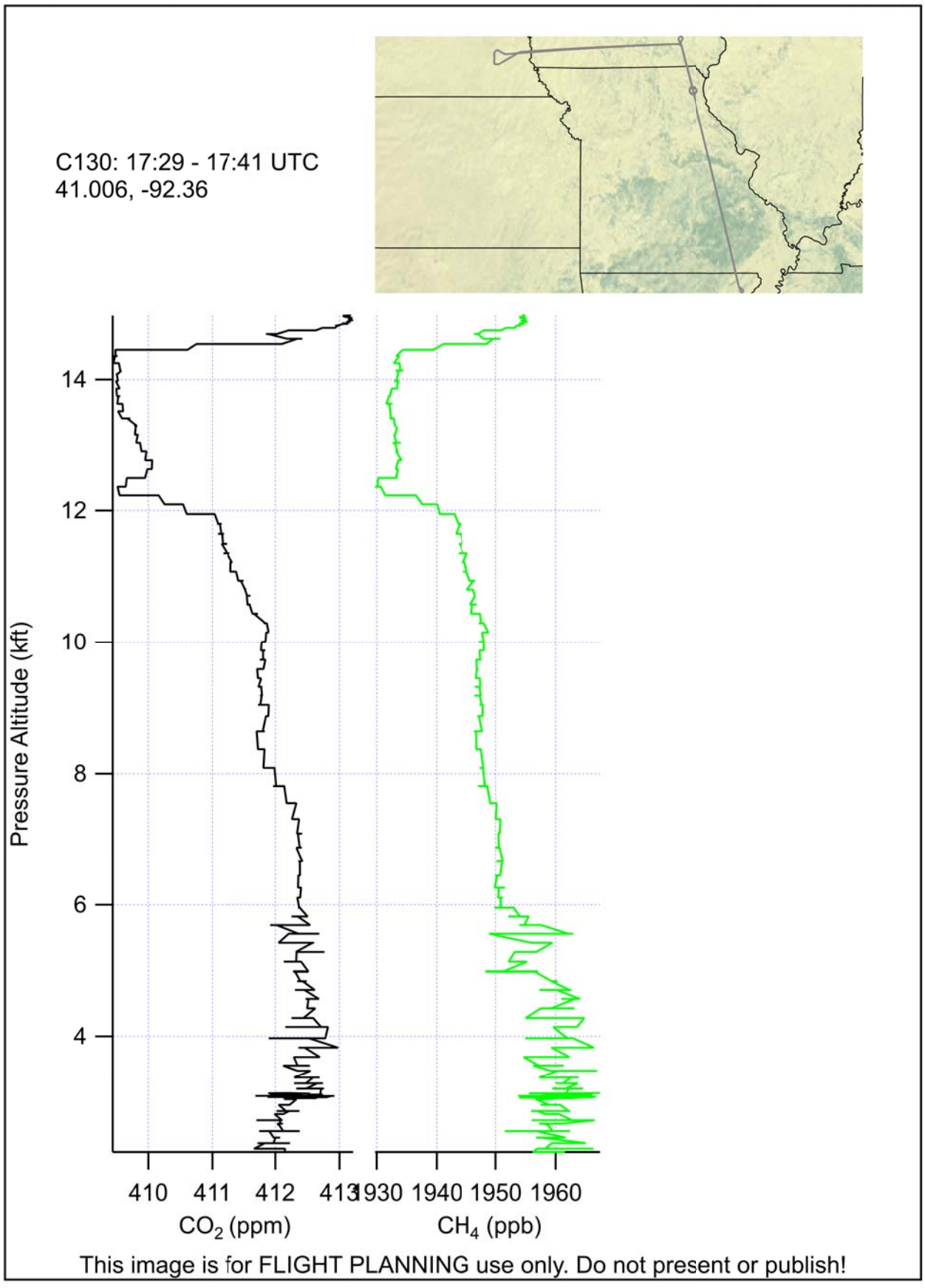

1.90 1.91 1.92 1.93 1.94 1.95 1.96 1.97
CH4 (ppm)
41
40
39
38
37
Latitude (°)
-96 -95 -94 -93 -92 -91
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

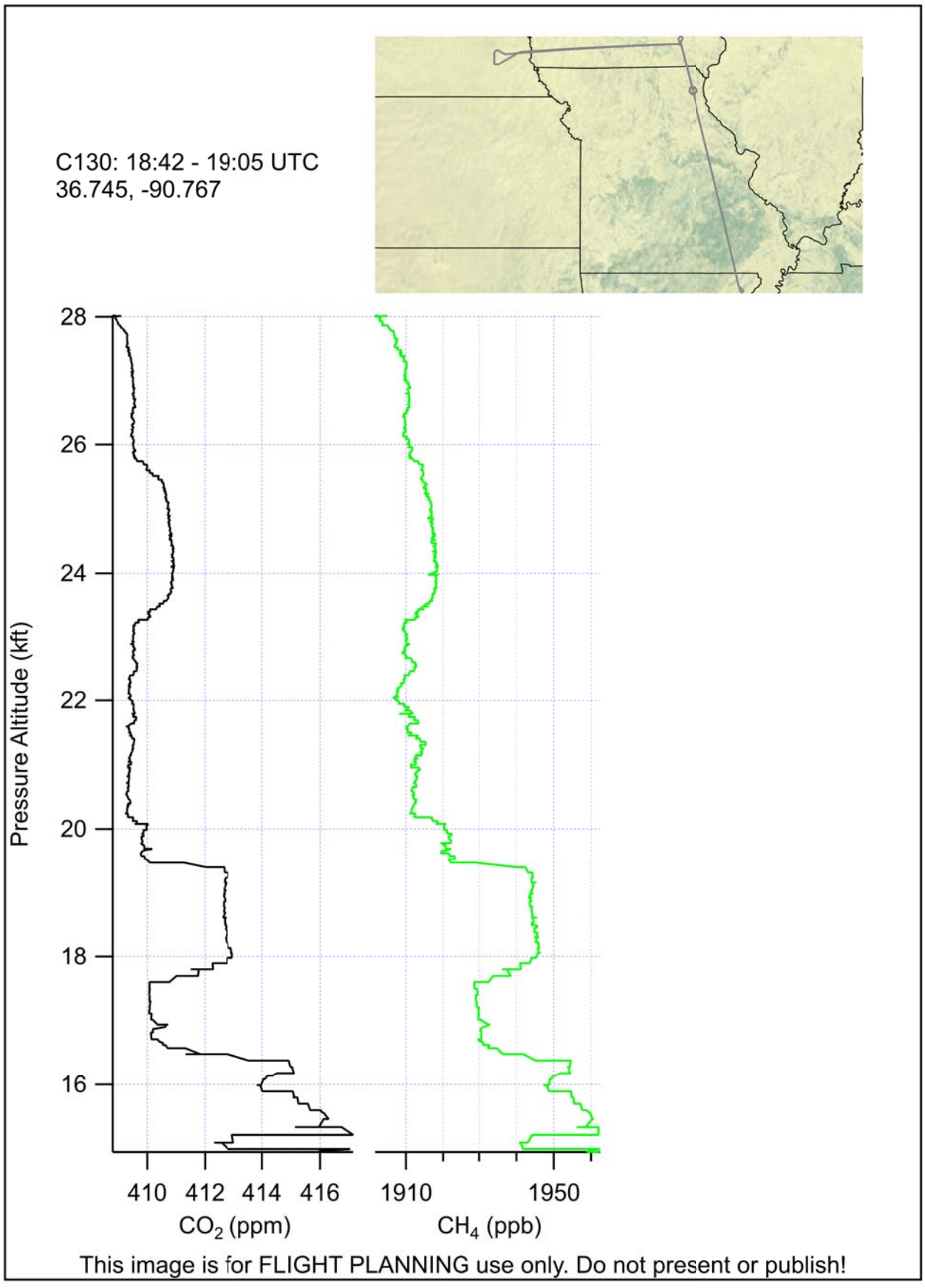

0.09
0.10
0.11
0.12
0.13
0.14
0.15
CO (ppm)
41
40
39
38
37
Latitude (°)
-96
-95
-94
-93
-92
-91
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

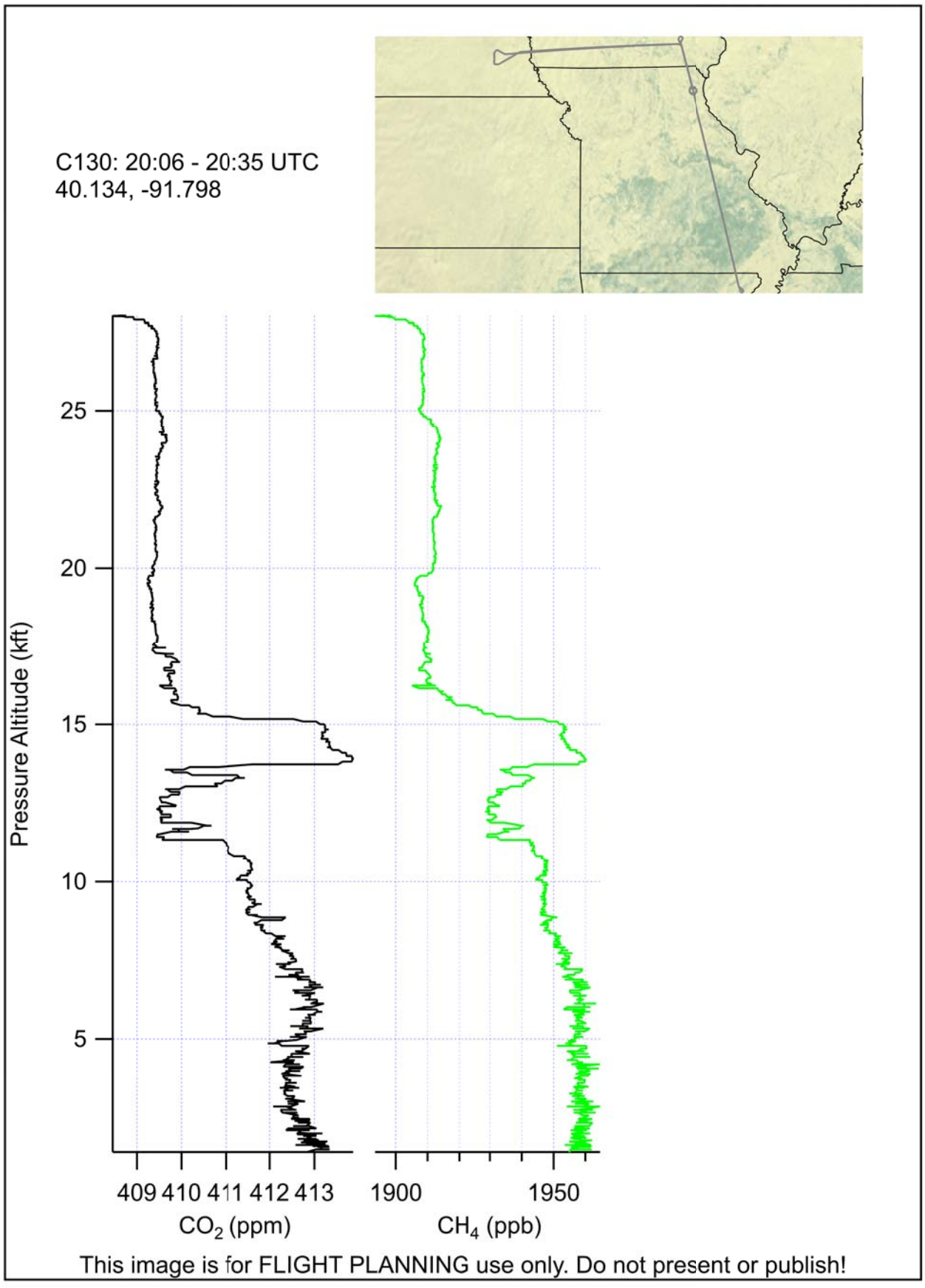

2
4
6
8
H2O_gkg (g/kg)
41
40
39
38
37
Latitude (°)
-96
-95
-94
-93
-92
-91
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

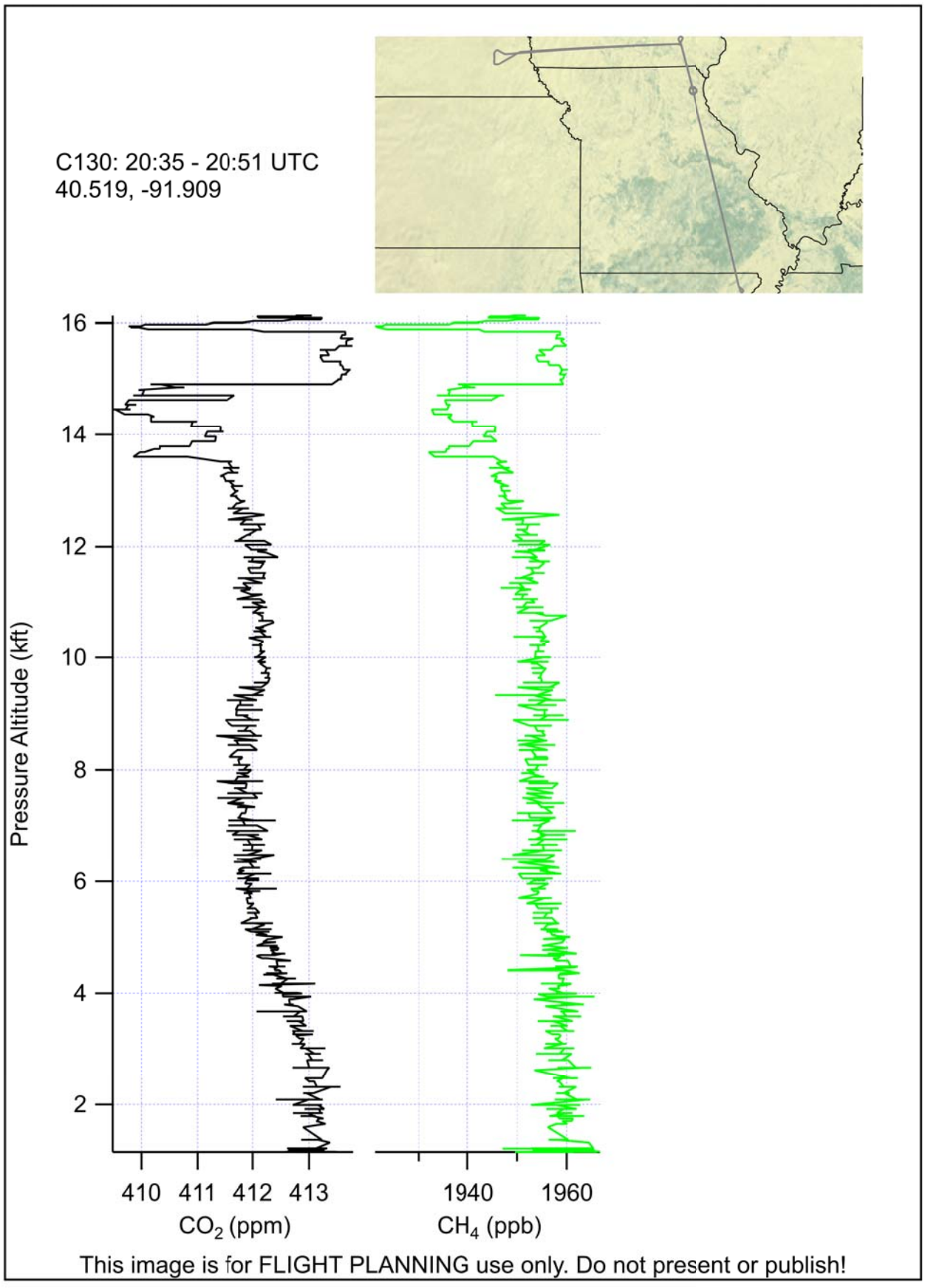

-50 -40 -30 -20 -10 0 10
DP (°C)
41
40
39
38
37
Latitude (°)
-96 -95 -94 -93 -92 -91
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

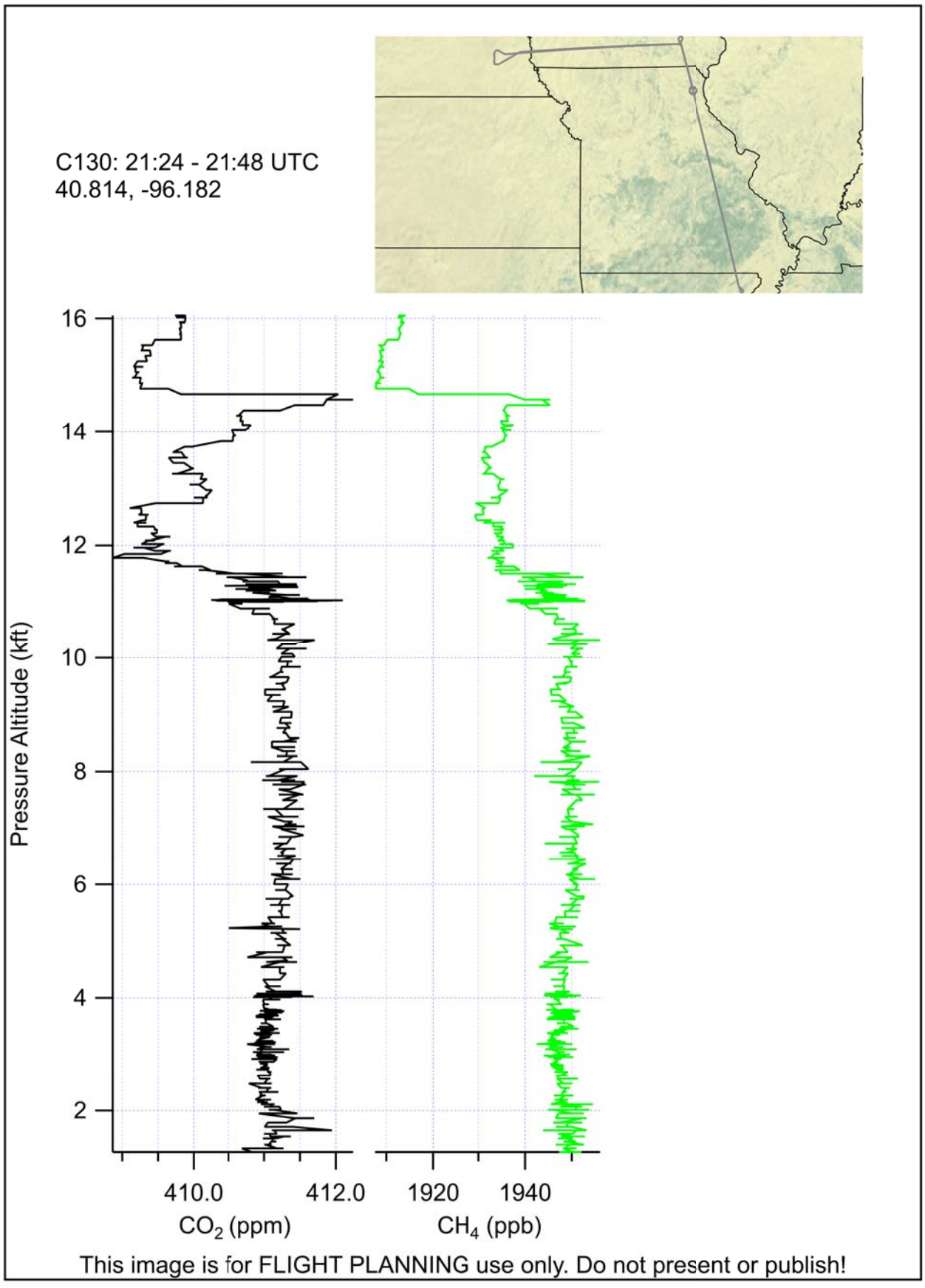

40 50 60 70 80 90 100
O3 (ppb)
41
40
39
38
37
Latitude (°)
-96 -95 -94 -93 -92 -91
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

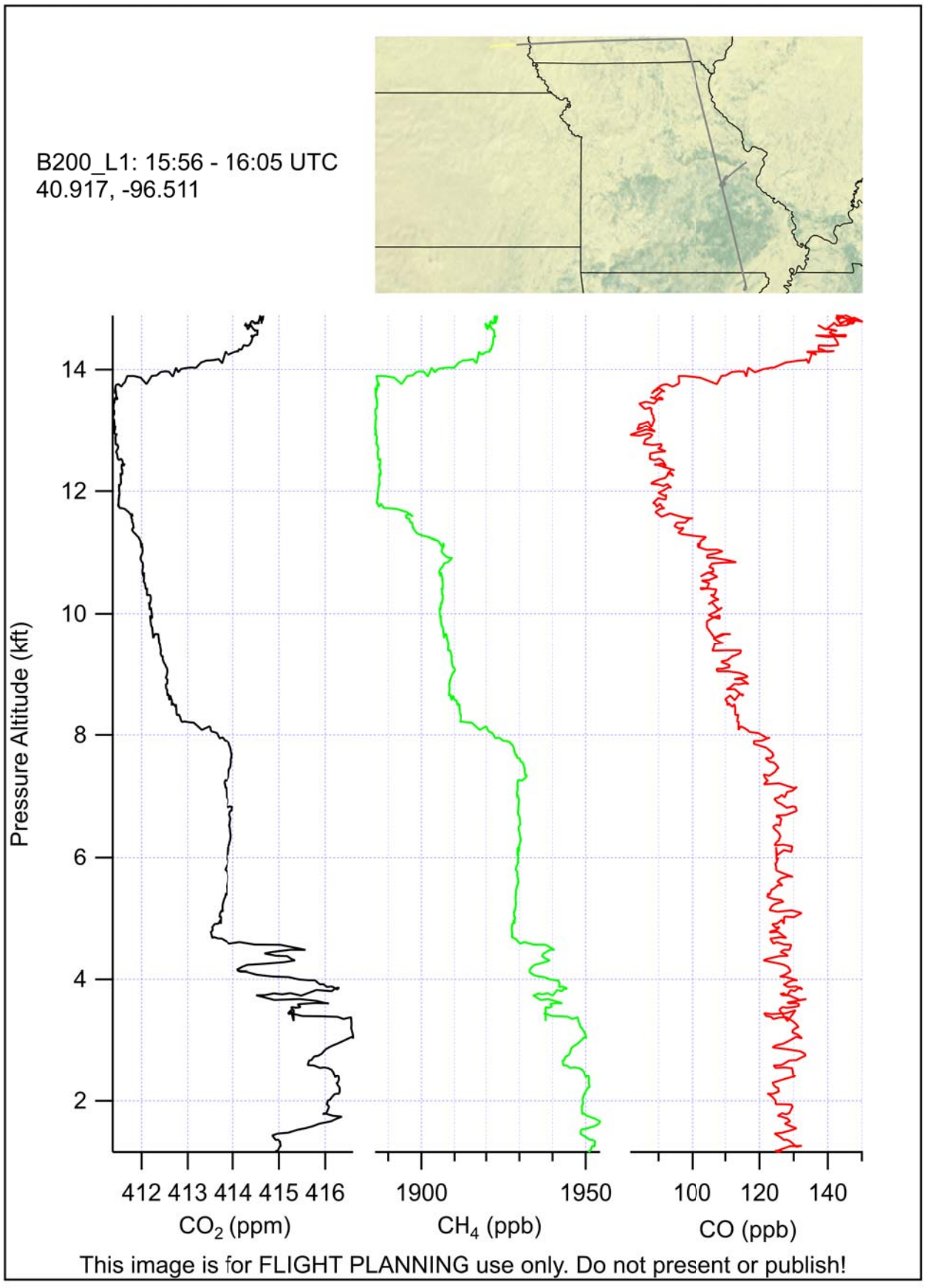

C130: 17:29 - 17:41 UTC
41.006, -92.36
Pressure Altitude (kft)
14
12
10
8
6
4
410
411
412
413
CO2 (ppm)
1930
1940
1950
1960
CH4 (ppb)
This image is for FLIGHT PLANNING use only. Do not present or publish!

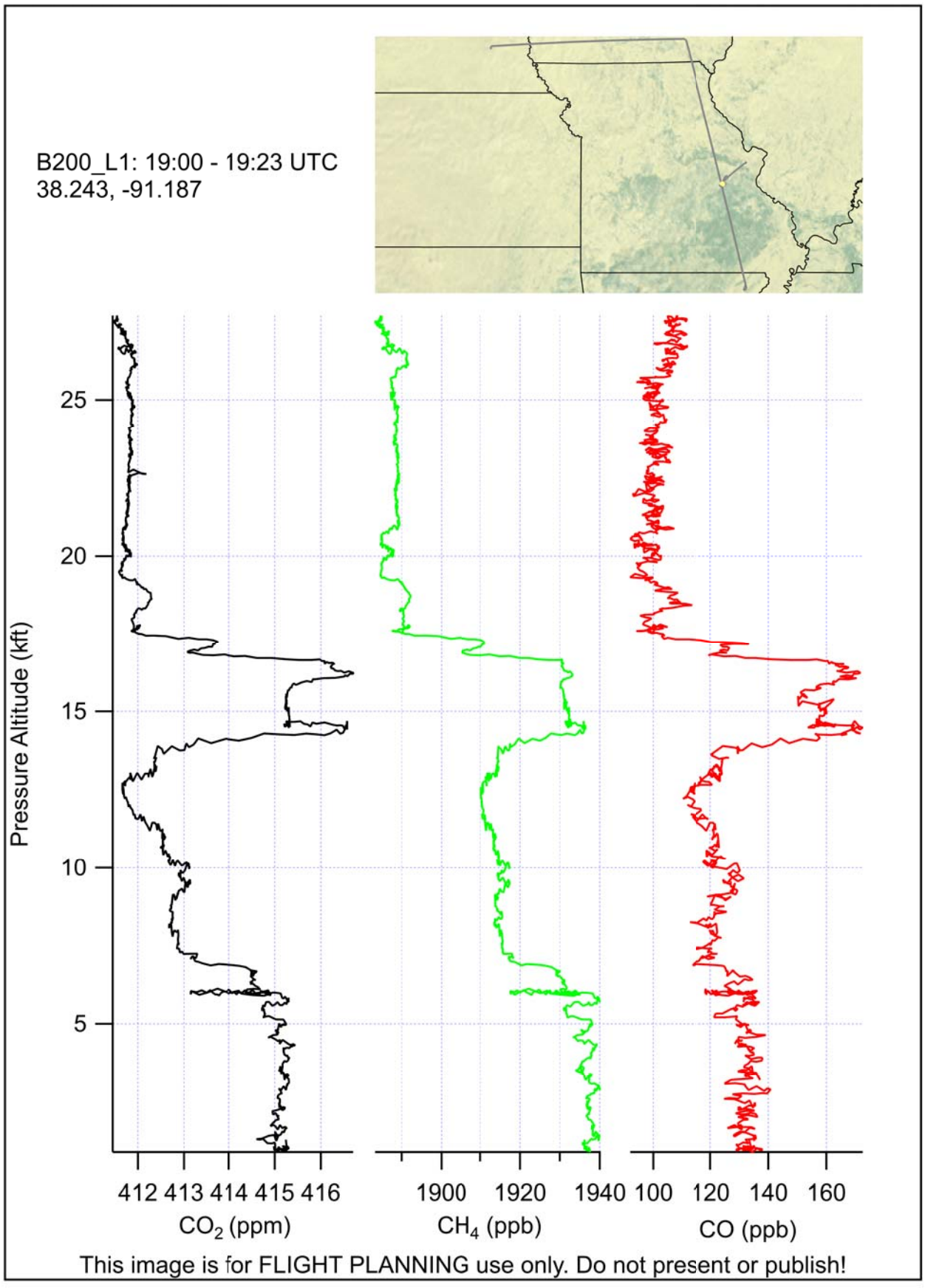

C130: 18:42 - 19:05 UTC
36.745, -90.767
Pressure Altitude (kft)
28
26
24
22
20
18
16
410
412
414
416
CO2 (ppm)
1910
1950
CH4 (ppb)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 20:06 - 20:35 UTC
40.134, -91.798
Pressure Altitude (kft)
25
20
15
10
5
409 410 411 412 413
CO2 (ppm)
1900
1950
CH4 (ppb)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 20:35 - 20:51 UTC
40.519, -91.909
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
410 411 412 413
CO2 (ppm)
1940 1960
CH4 (ppb)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 21:24 - 21:48 UTC
40.814, -96.182
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
410.0
412.0
CO2 (ppm)
1920
1940
CH4 (ppb)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 15:56 - 16:05 UTC
40.917, -96.511
Pressure Altitude (kft)
14
12
10
8
6
4
2
412 413 414 415 416
CO2 (ppm)
1900
1950
CH4 (ppb)
100 120 140
CO (ppb)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 19:00 - 19:23 UTC
38.243, -91.187
Pressure Altitude (kft)
25
20
15
10
5
412 413 414 415 416
CO2 (ppm)
1900 1920 1940
CH4 (ppb)
100 120 140 160
CO (ppb)
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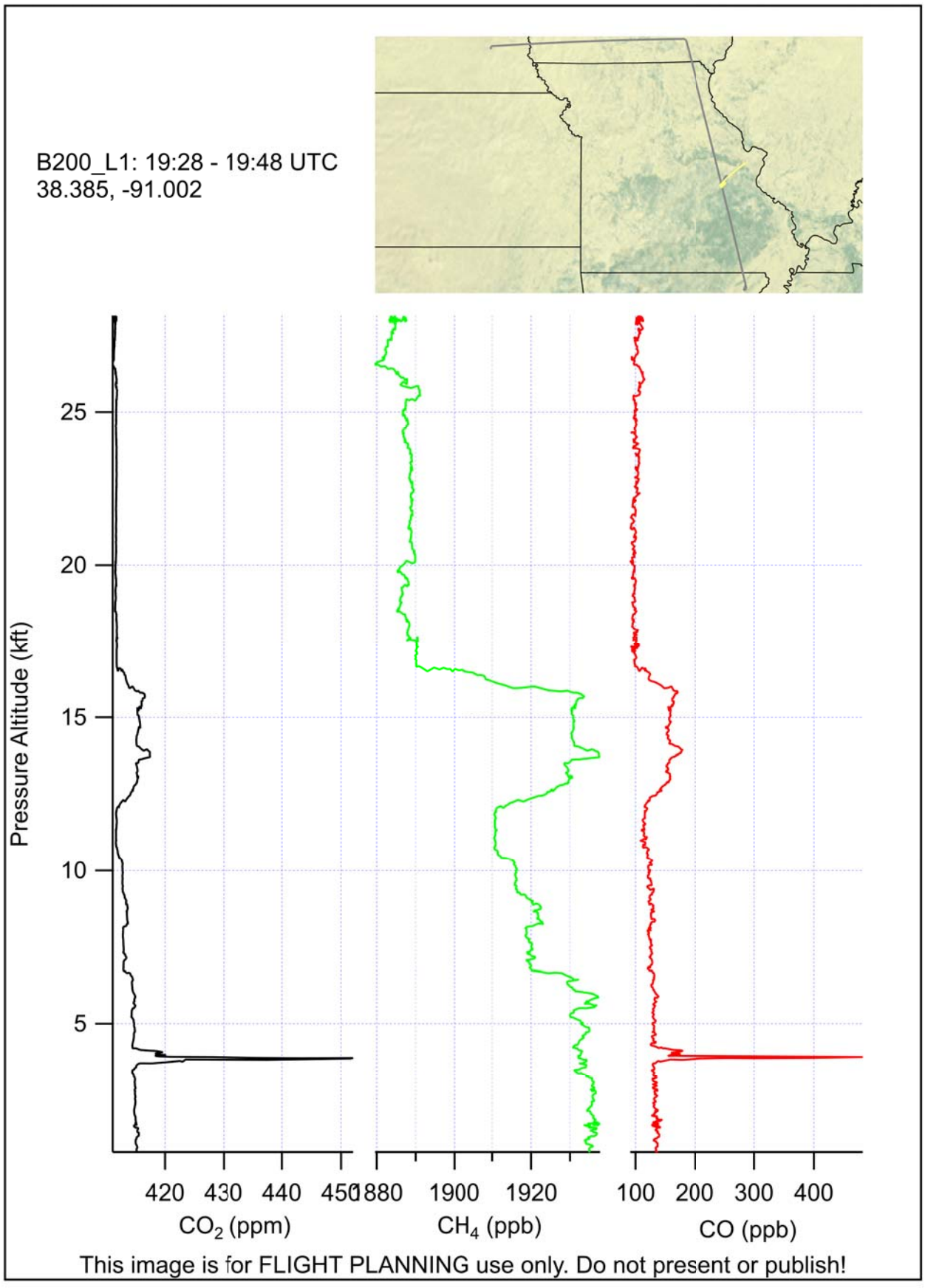
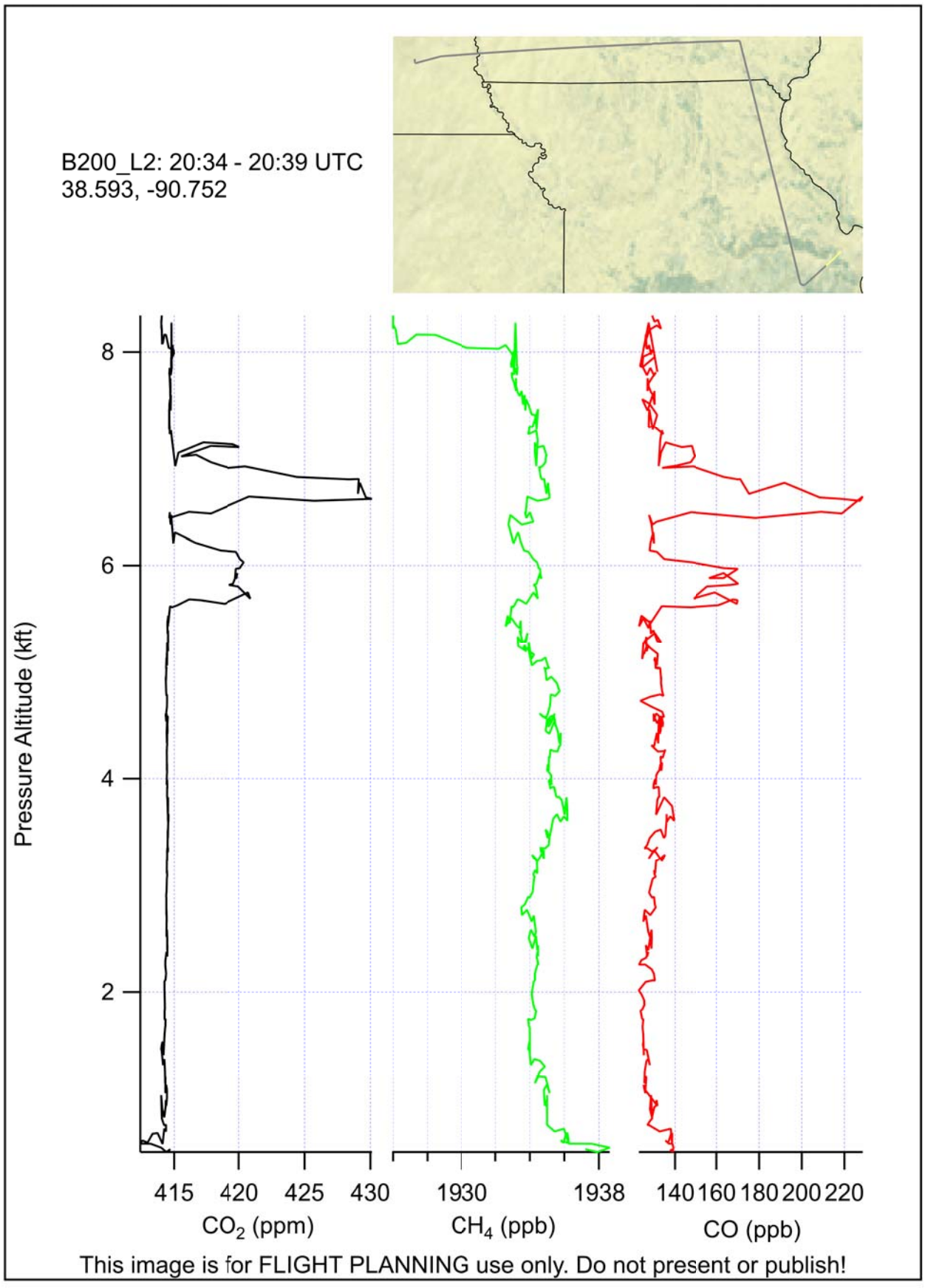
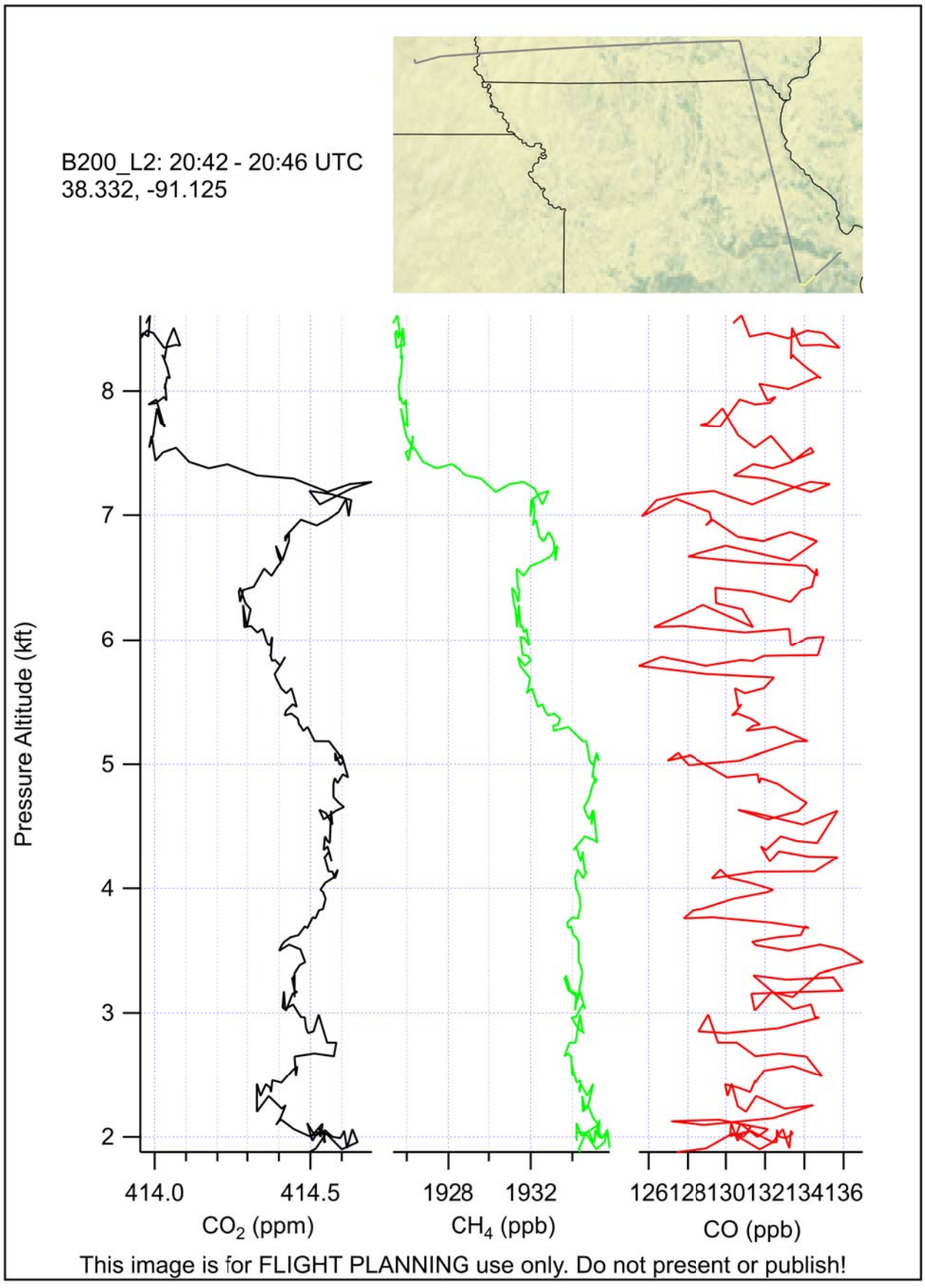
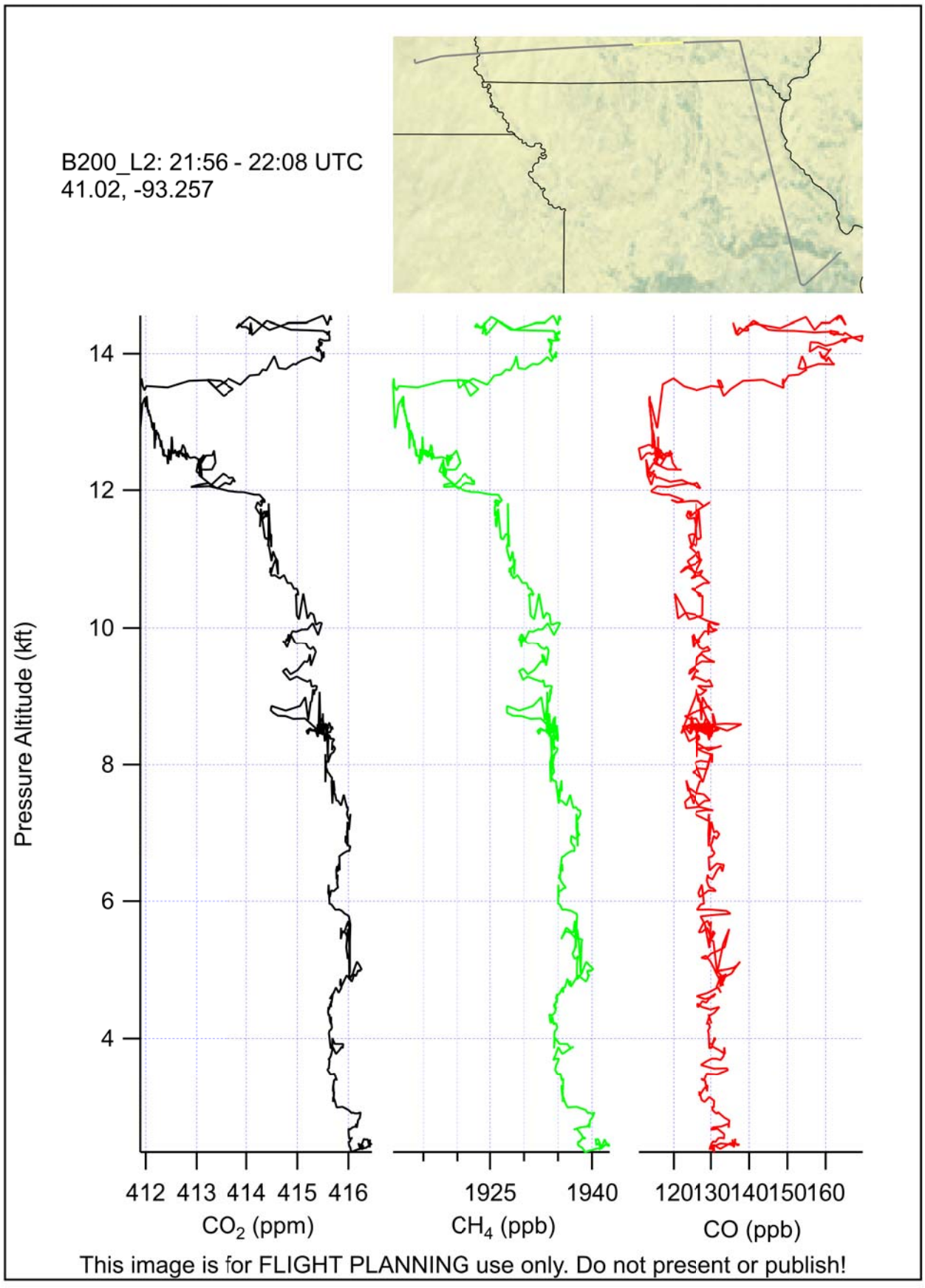
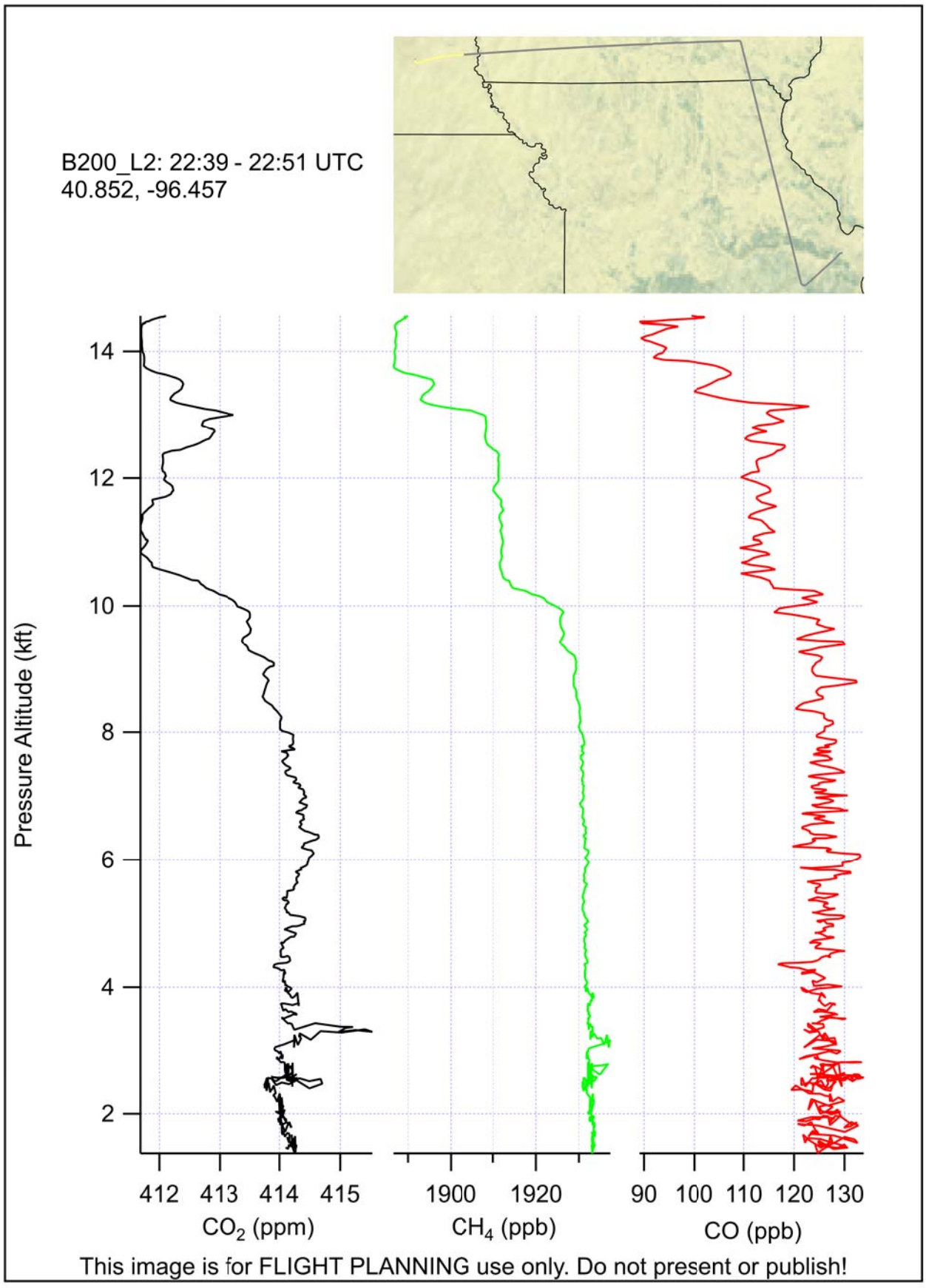
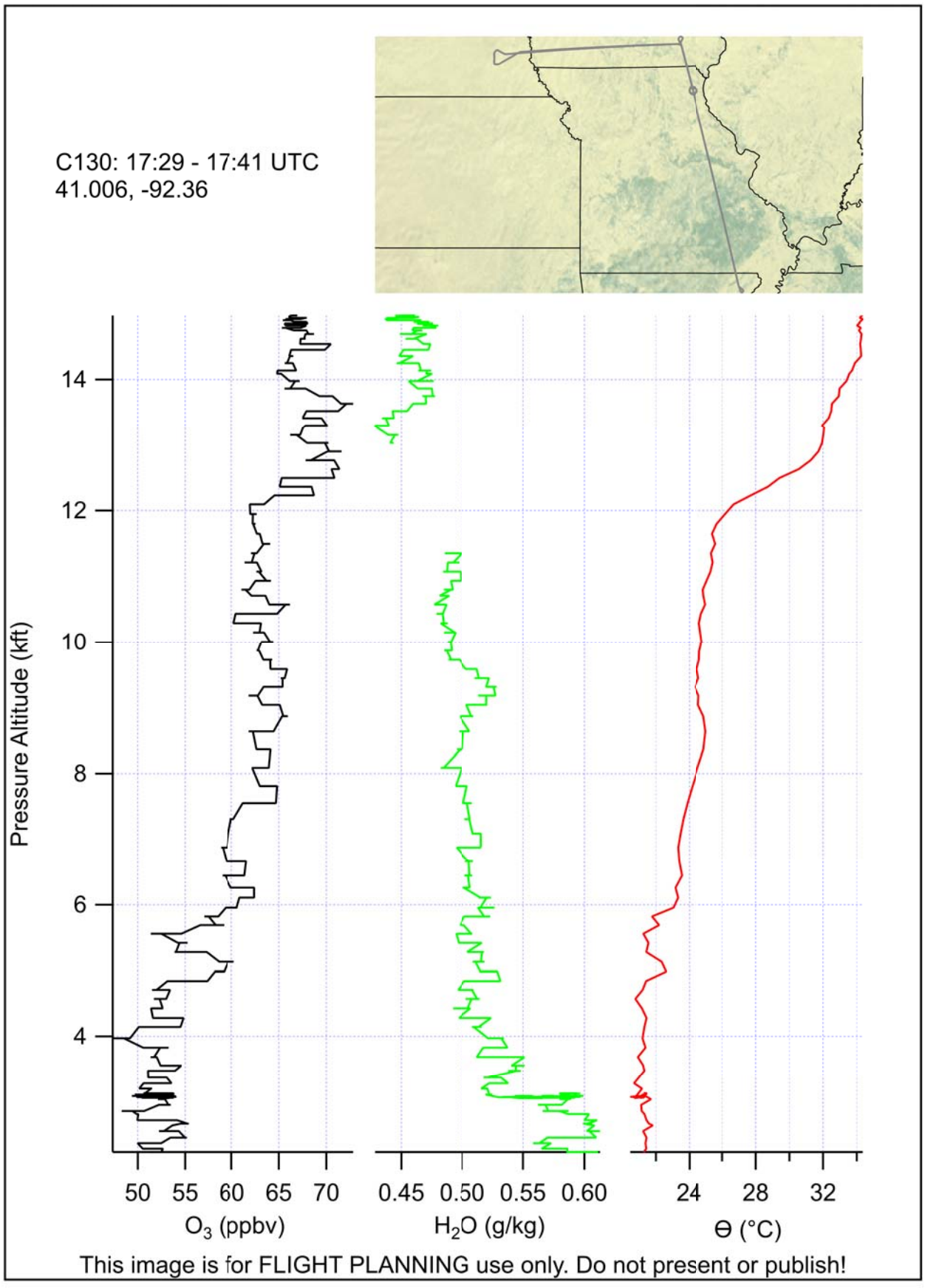

B200_L1: 19:28 - 19:48 UTC
38.385, -91.002
Pressure Altitude (kft)
25
20
15
10
5
420 430 440 450
CO2 (ppm)
1880 1900 1920
CH4 (ppb)
100 200 300 400
CO (ppb)
This image is for FLIGHT PLANNING use only. Do not present or publish!

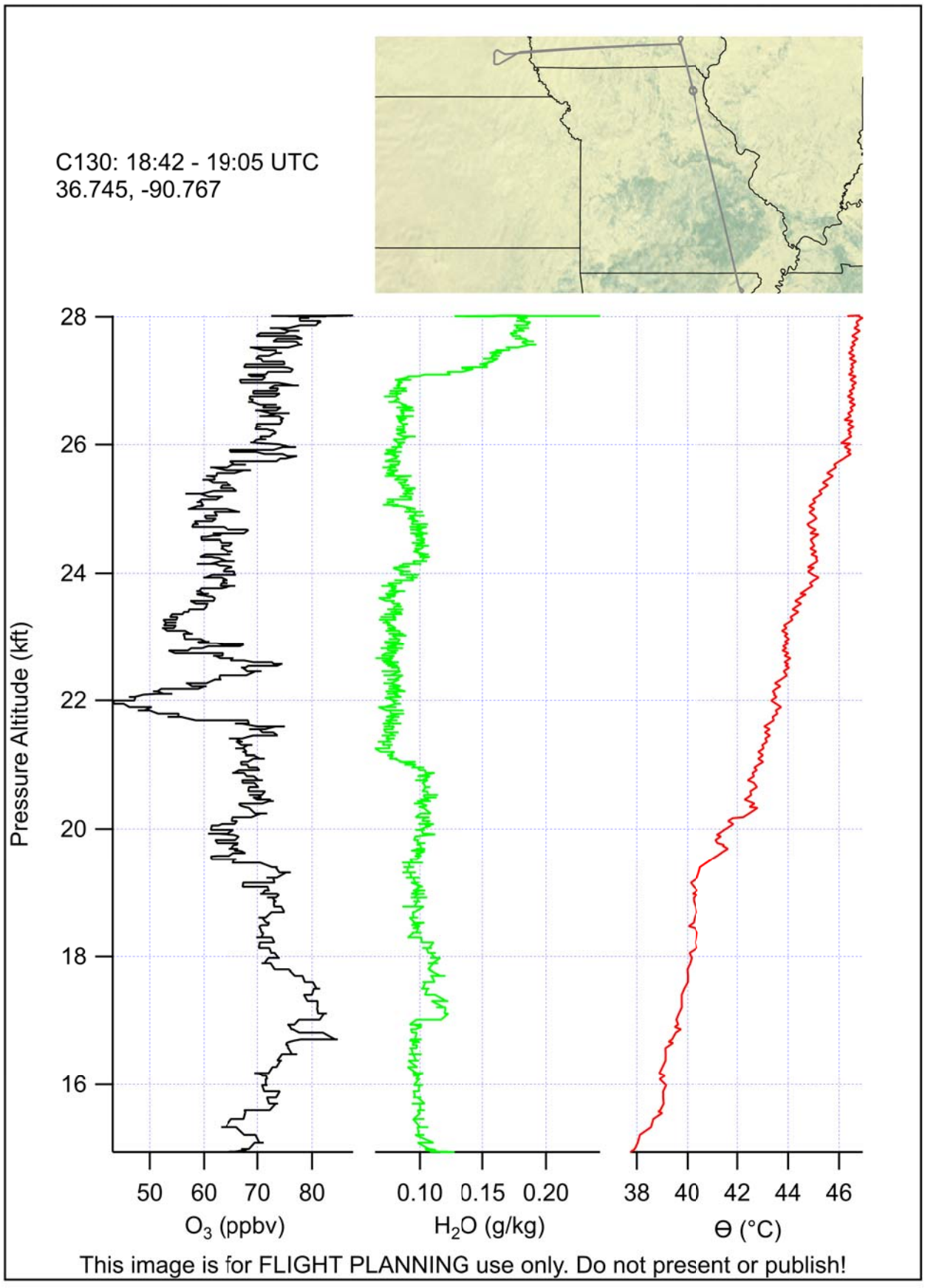

B200_L2: 20:34 - 20:39 UTC
38.593, -90.752
Pressure Altitude (kft)
8
6
4
2
415
420
425
430
CO2 (ppm)
1930
1938
CH4 (ppb)
140
160
180
200
220
CO (ppb)
This image is for FLIGHT PLANNING use only. Do not present or publish!

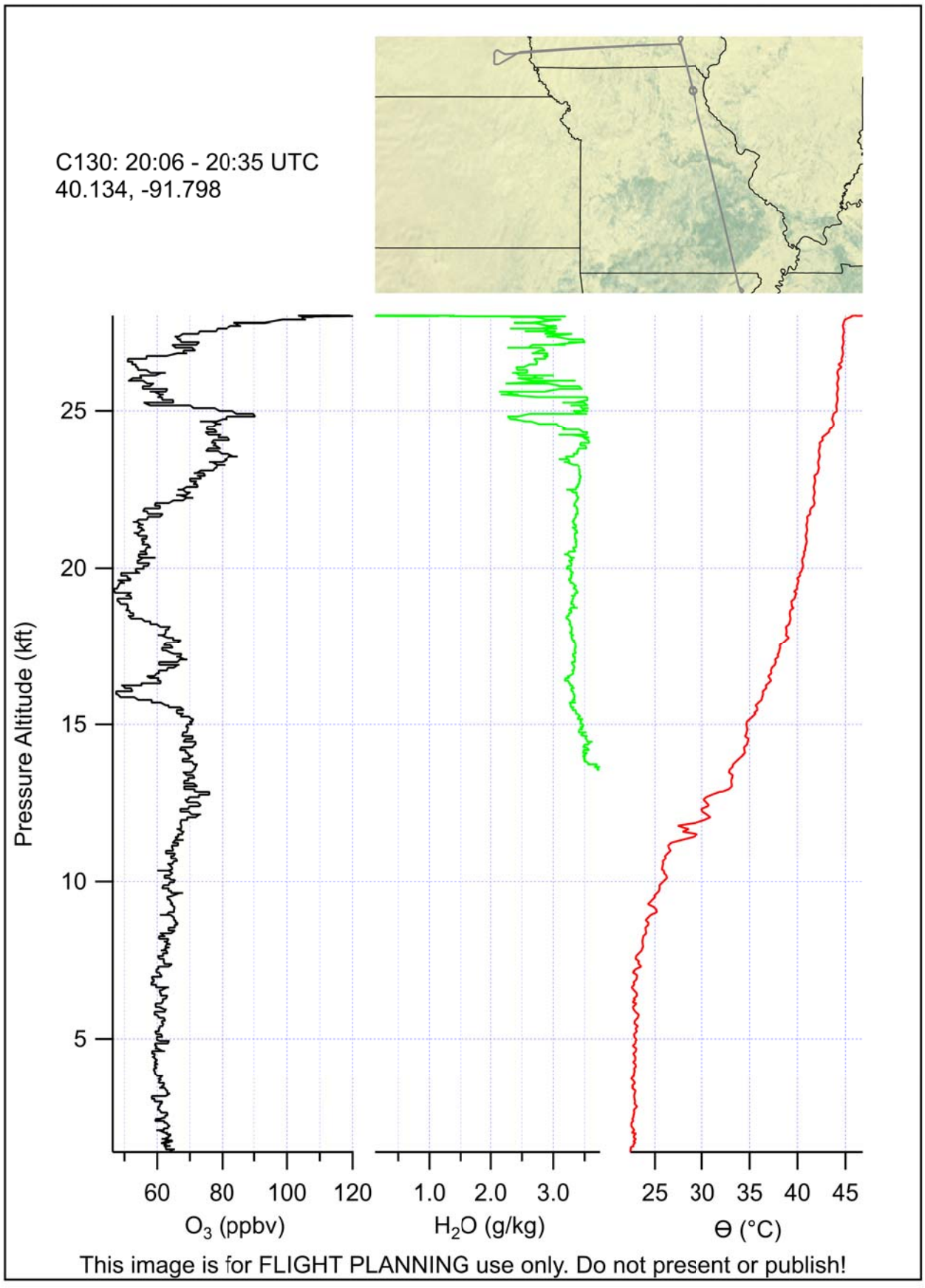

B200_L2: 20:42 - 20:46 UTC
38.332, -91.125
Pressure Altitude (kft)
8
7
6
5
4
3
2
414.0
414.5
CO2 (ppm)
1928
1932
CH4 (ppb)
126128130132134136
CO (ppb)
This image is for FLIGHT PLANNING use only. Do not present or publish!

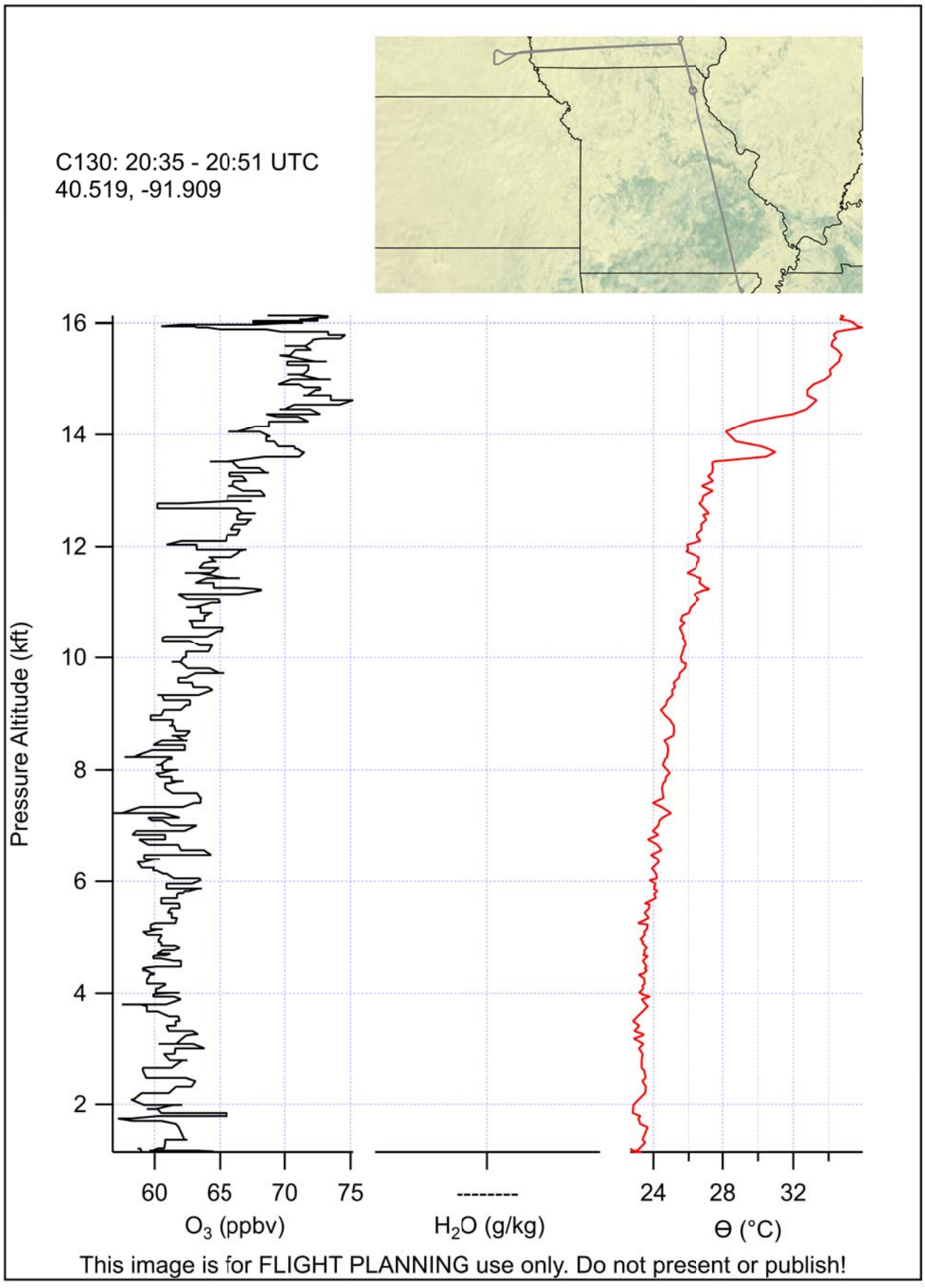

B200_L2: 21:56 - 22:08 UTC
41.02, -93.257
Pressure Altitude (kft)
14
12
10
8
6
4
412 413 414 415 416
CO2 (ppm)
1925 1940
CH4 (ppb)
120130140150160
CO (ppb)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 22:39 - 22:51 UTC
40.852, -96.457
Pressure Altitude (kft)
14
12
10
8
6
4
2
412 413 414 415
CO2 (ppm)
1900 1920
CH4 (ppb)
90 100 110 120 130
CO (ppb)
This image is for FLIGHT PLANNING use only. Do not present or publish!

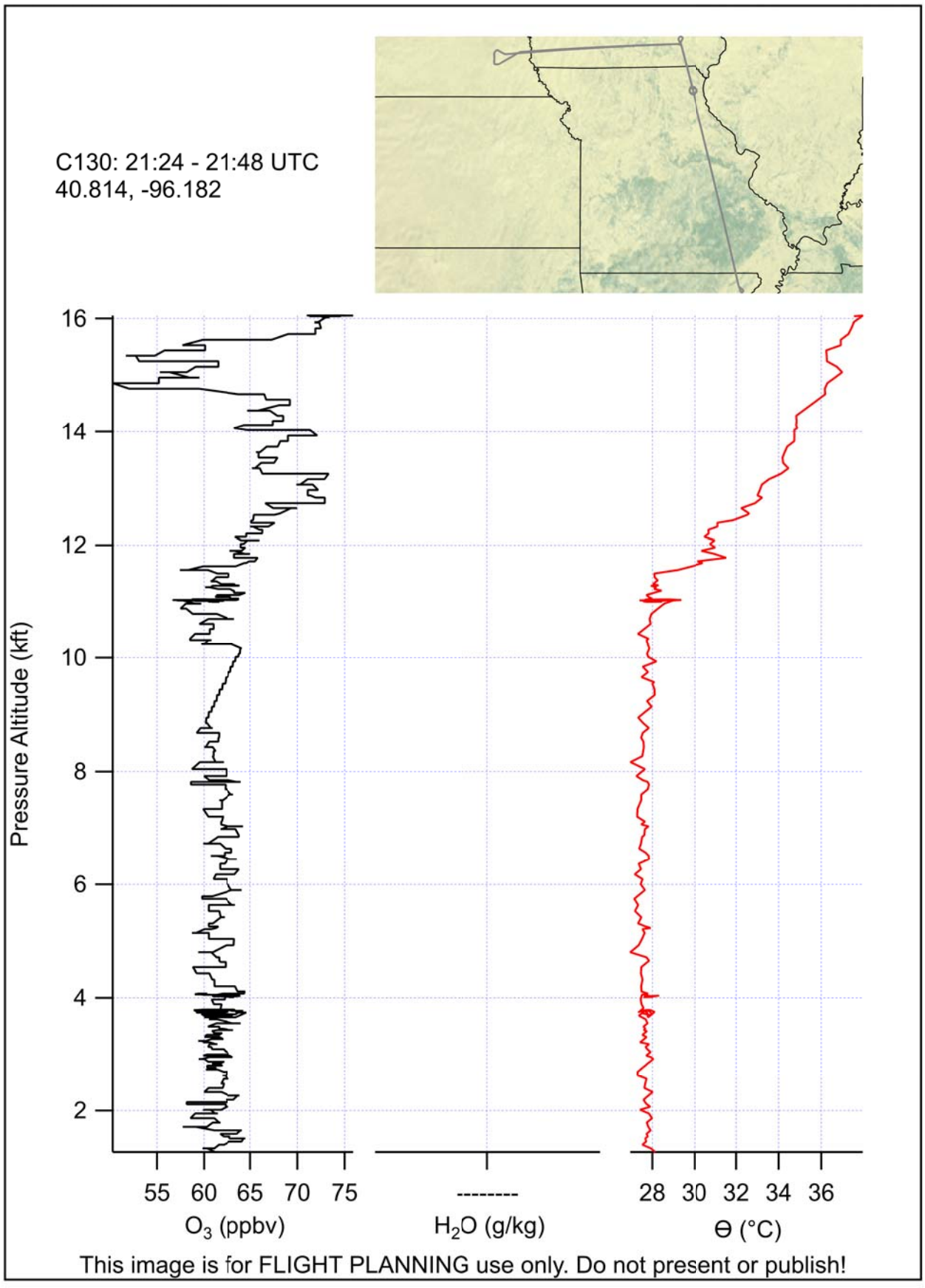

C130: 17:29 - 17:41 UTC
41.006, -92.36
Pressure Altitude (kft)
14
12
10
8
6
4
50 55 60 65 70
O3 (ppbv)
0.45 0.50 0.55 0.60
H2O (g/kg)
24 28 32
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 18:42 - 19:05 UTC
36.745, -90.767
Pressure Altitude (kft)
28
26
24
22
20
18
16
50 60 70 80
O3 (ppbv)
0.10 0.15 0.20
H2O (g/kg)
38 40 42 44 46
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

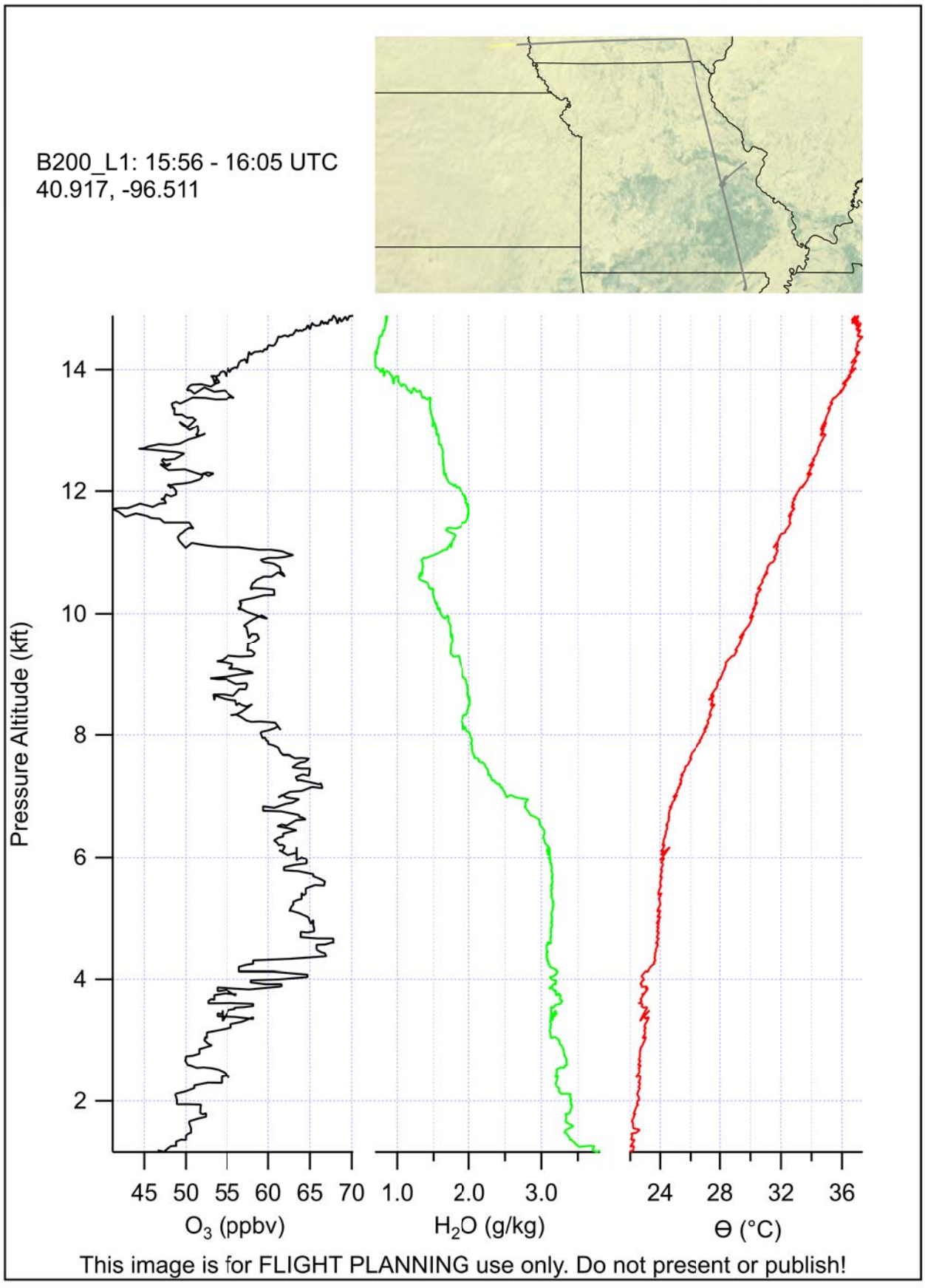

C130: 20:06 - 20:35 UTC
40.134, -91.798
Pressure Altitude (kft)
25
20
15
10
5
60
80
100
120
O3 (ppbv)
1.0
2.0
3.0
H2O (g/kg)
25
30
35
40
45
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 20:35 - 20:51 UTC
40.519, -91.909
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
60
65
70
75
O3 (ppbv)

H2O (g/kg)
24
28
32
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 21:24 - 21:48 UTC
40.814, -96.182
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
55 60 65 70 75
O3 (ppbv)

H2O (g/kg)
28 30 32 34 36
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 15:56 - 16:05 UTC
40.917, -96.511
Pressure Altitude (kft)
14
12
10
8
6
4
2
45 50 55 60 65 70
O3 (ppbv)
1.0 2.0 3.0
H2O (g/kg)
24 28 32 36
Θ (°C)
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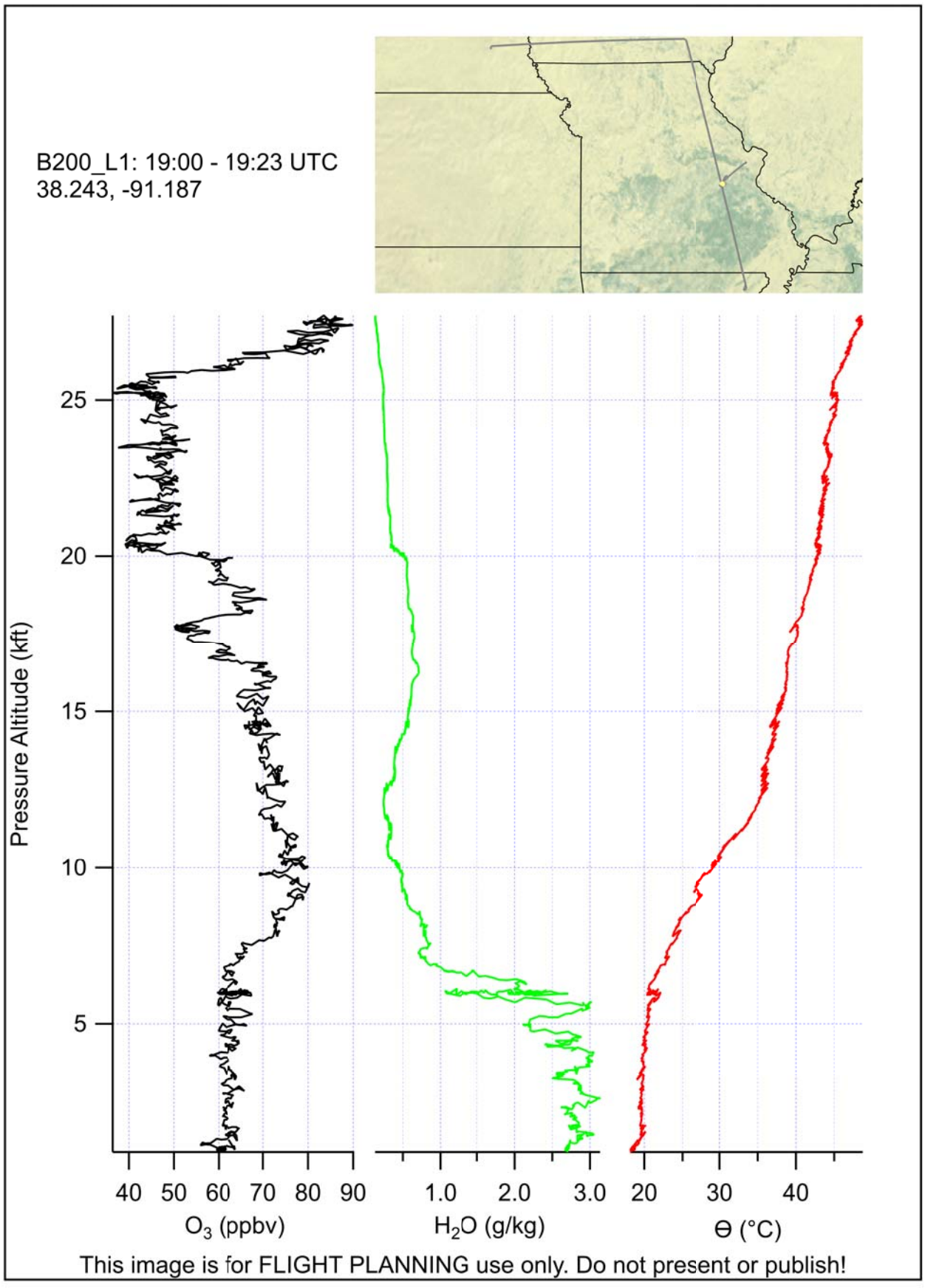
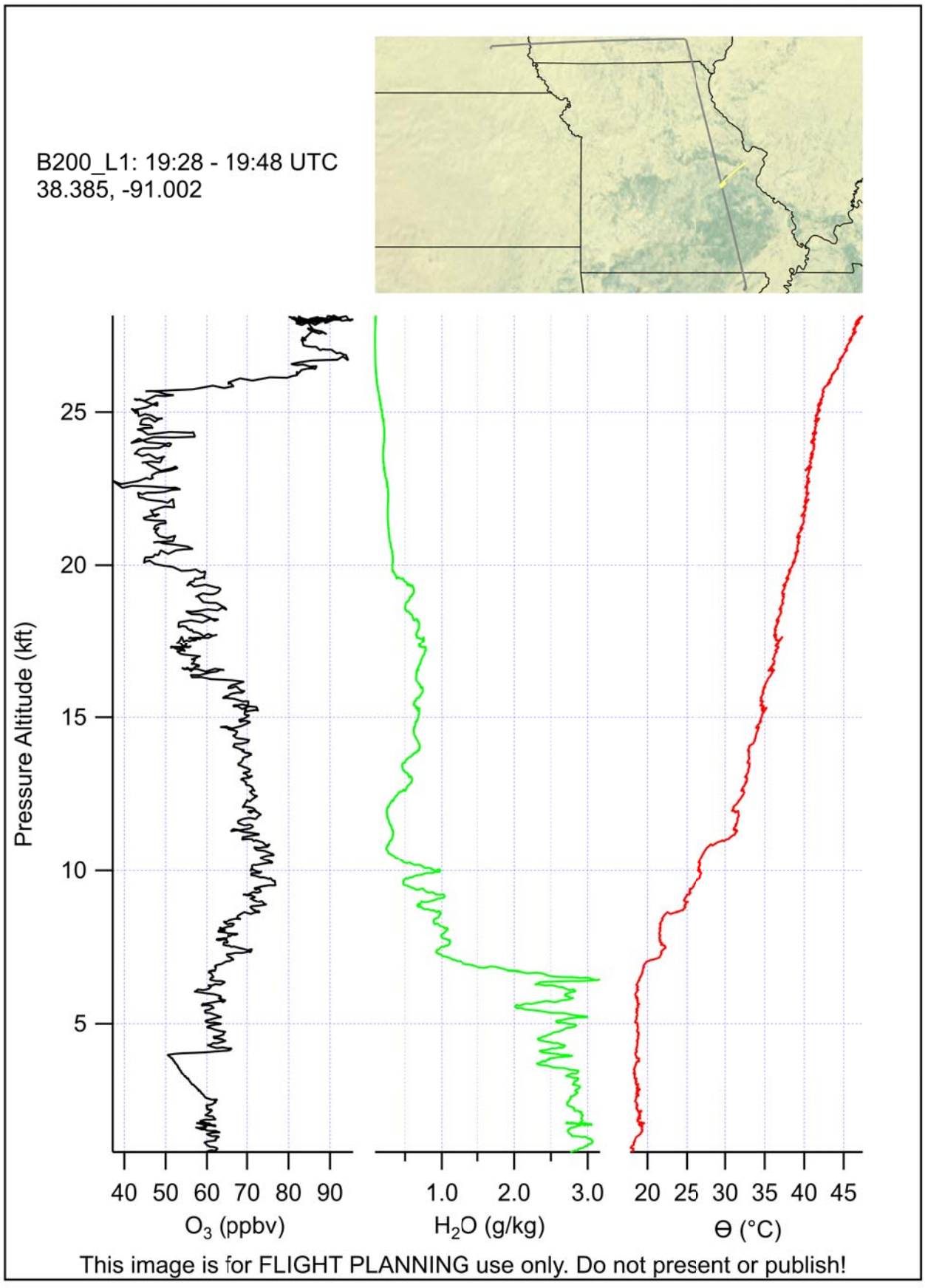

B200_L1: 19:00 - 19:23 UTC
38.243, -91.187
Pressure Altitude (kft)
25
20
15
10
5
40 50 60 70 80 90
O3 (ppbv)
1.0 2.0 3.0
H2O (g/kg)
20 30 40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 19:28 - 19:48 UTC
38.385, -91.002
Pressure Altitude (kft)
25
20
15
10
5
40 50 60 70 80 90
O3 (ppbv)
1.0 2.0 3.0
H2O (g/kg)
20 25 30 35 40 45
Θ (°C)
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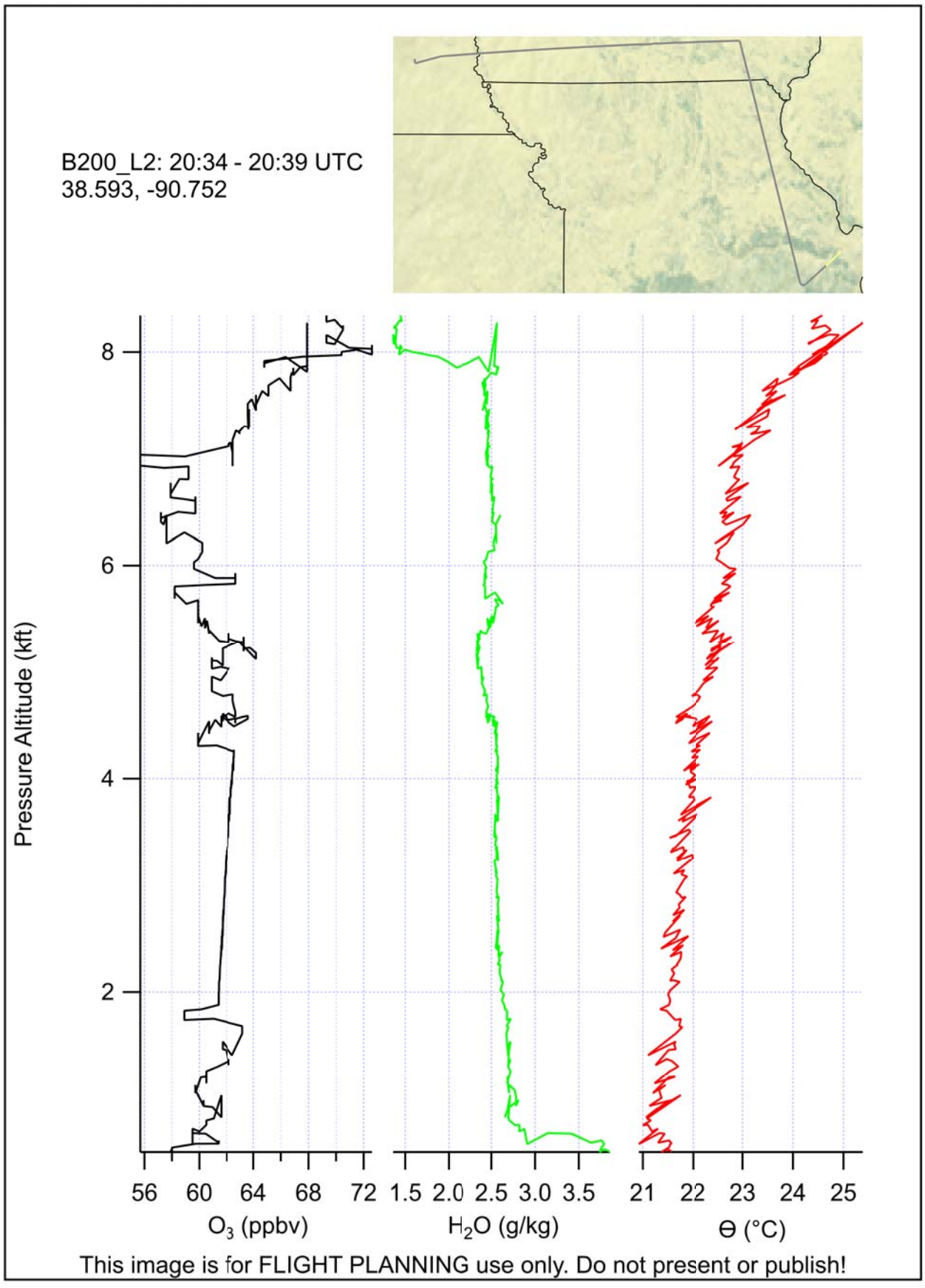
B200_L2: 20:34 - 20:39 UTC
38.593, -90.752
Pressure Altitude (kft)
8
6
4
2
56 60 64 68 72
O3 (ppbv)
1.5 2.0 2.5 3.0 3.5
H2O (g/kg)
21 22 23 24 25
Θ (°C)
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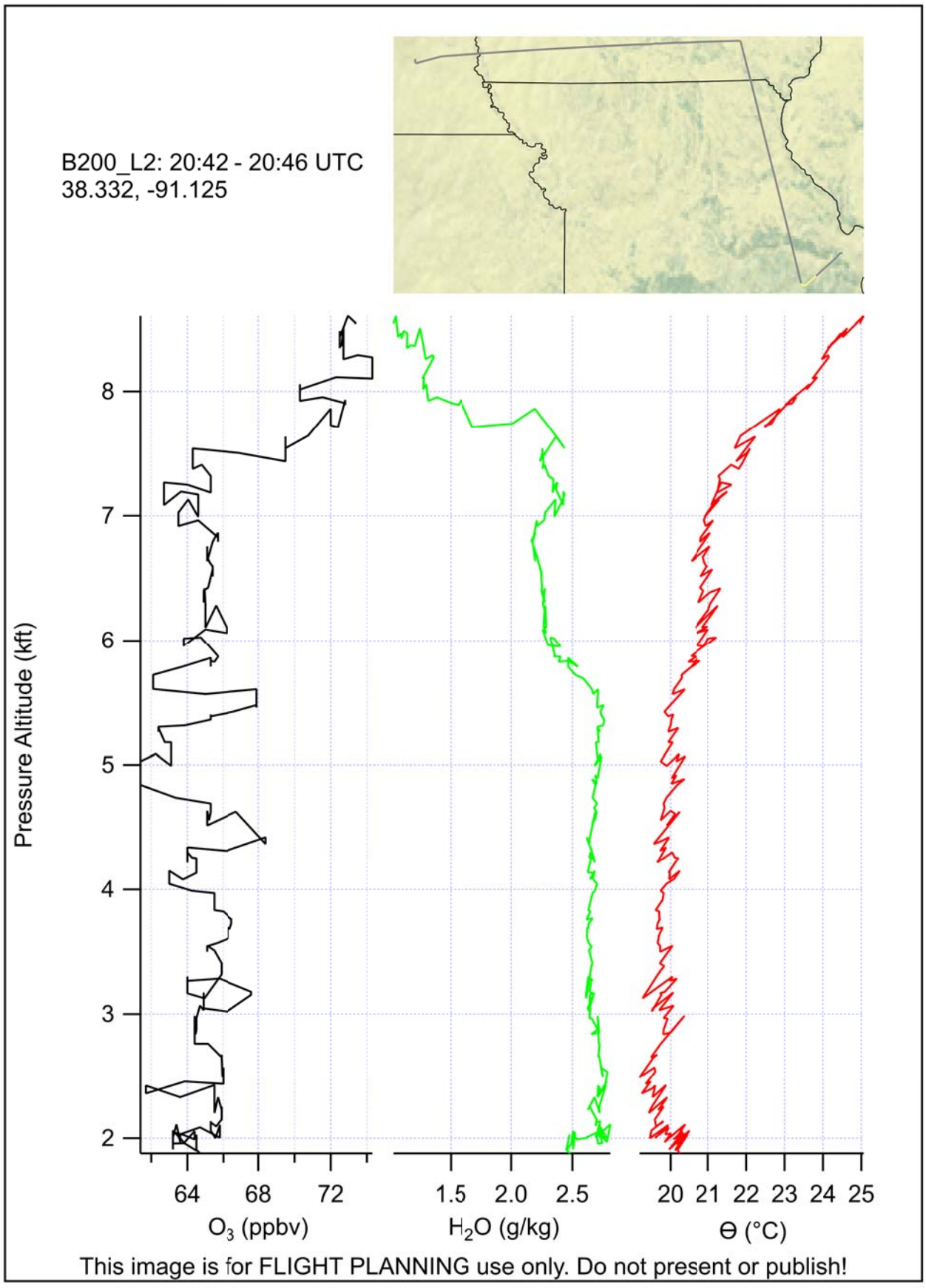
B200_L2: 20:42 - 20:46 UTC
38.332, -91.125
Pressure Altitude (kft)
8
7
6
5
4
3
2
64
68
72
O3 (ppbv)
1.5
2.0
2.5
H2O (g/kg)
20
21
22
23
24
25
Θ (°C)
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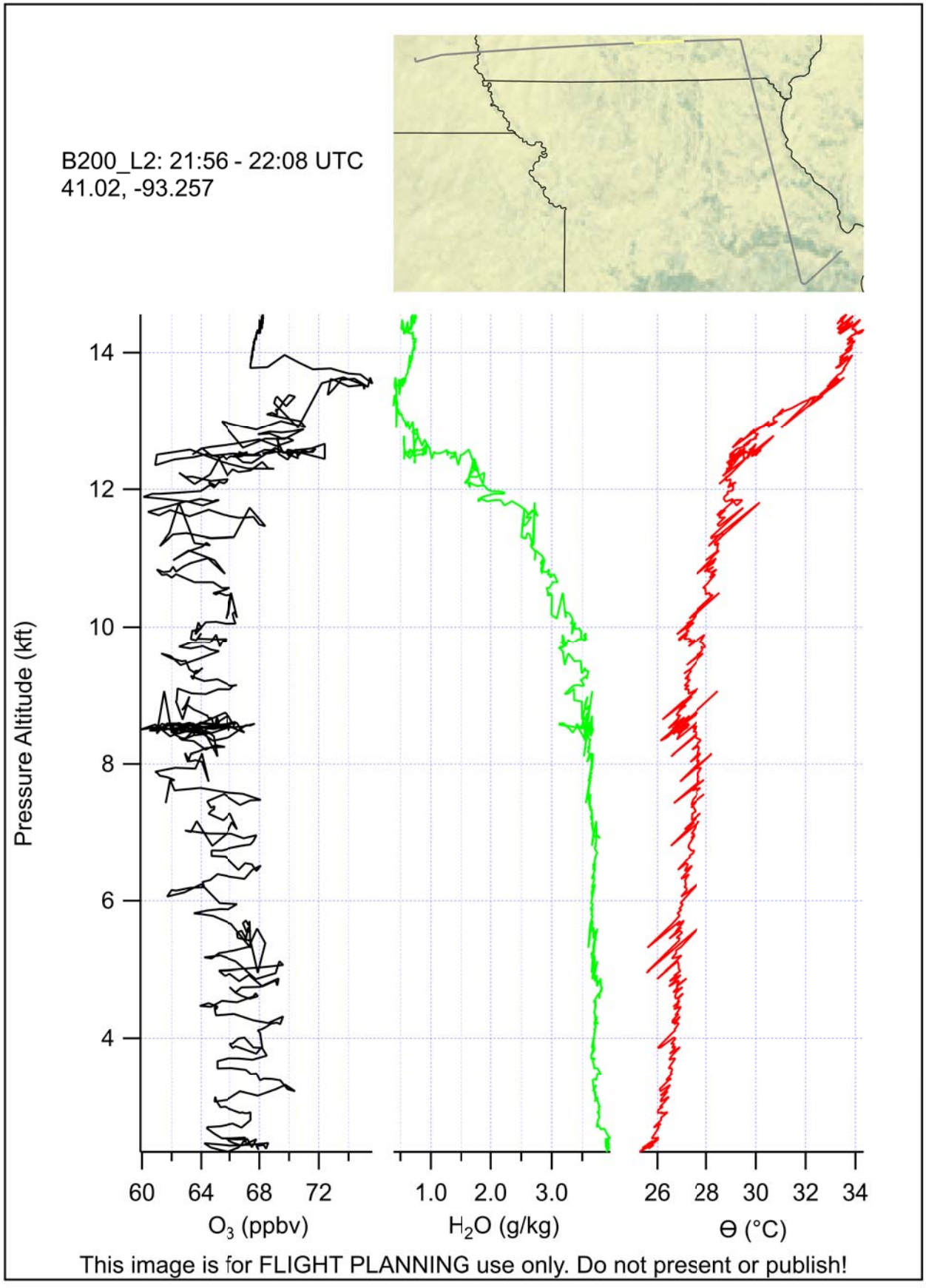
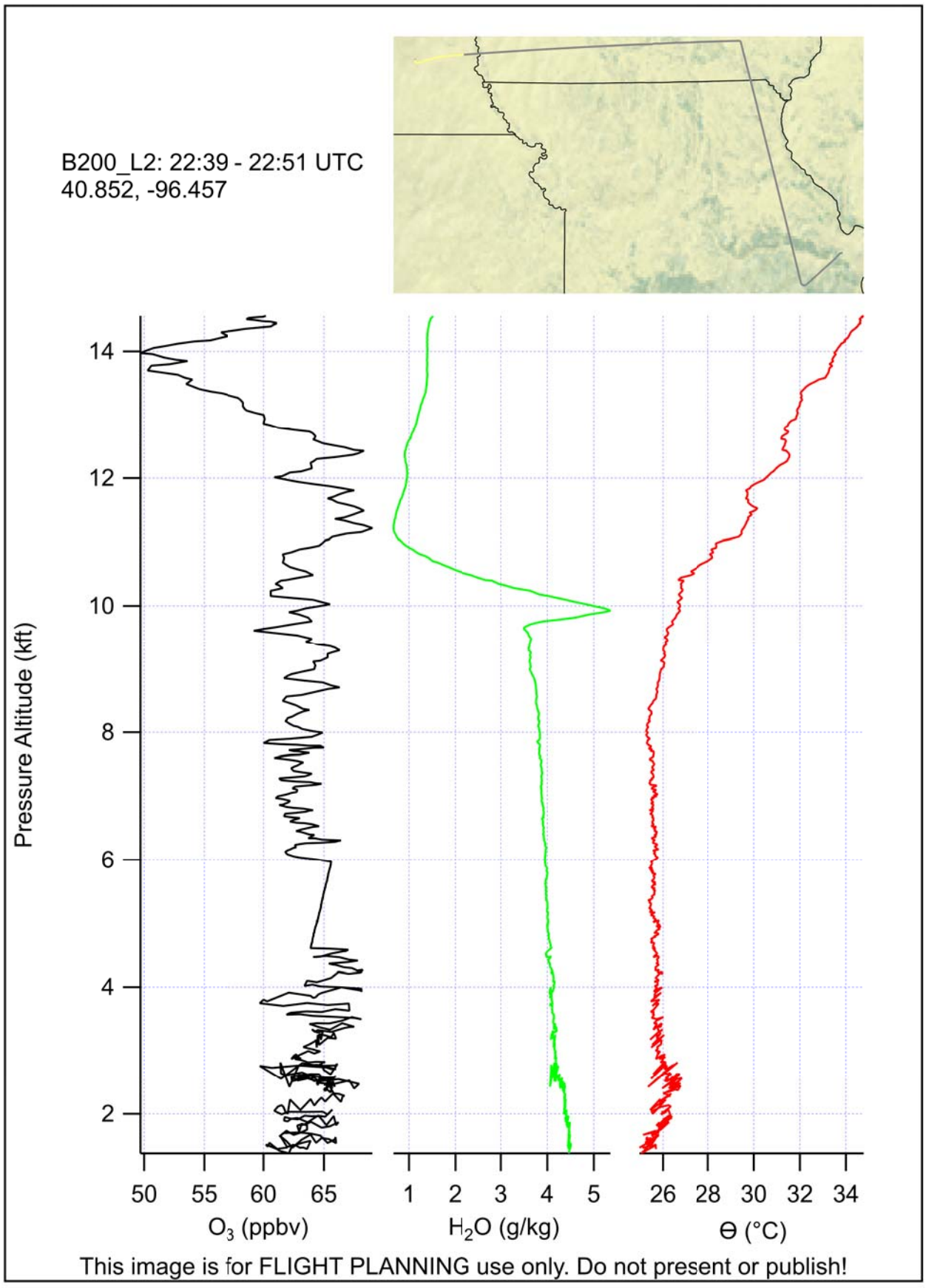

B200_L2: 21:56 - 22:08 UTC
41.02, -93.257
Pressure Altitude (kft)
14
12
10
8
6
4
60
64
68
72
O3 (ppbv)
1.0
2.0
3.0
H2O (g/kg)
26
28
30
32
34
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 22:39 - 22:51 UTC
40.852, -96.457
Pressure Altitude (kft)
14
12
10
8
6
4
2
50 55 60 65
O3 (ppbv)
1 2 3 4 5
H2O (g/kg)
26 28 30 32 34
Θ (°C)
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