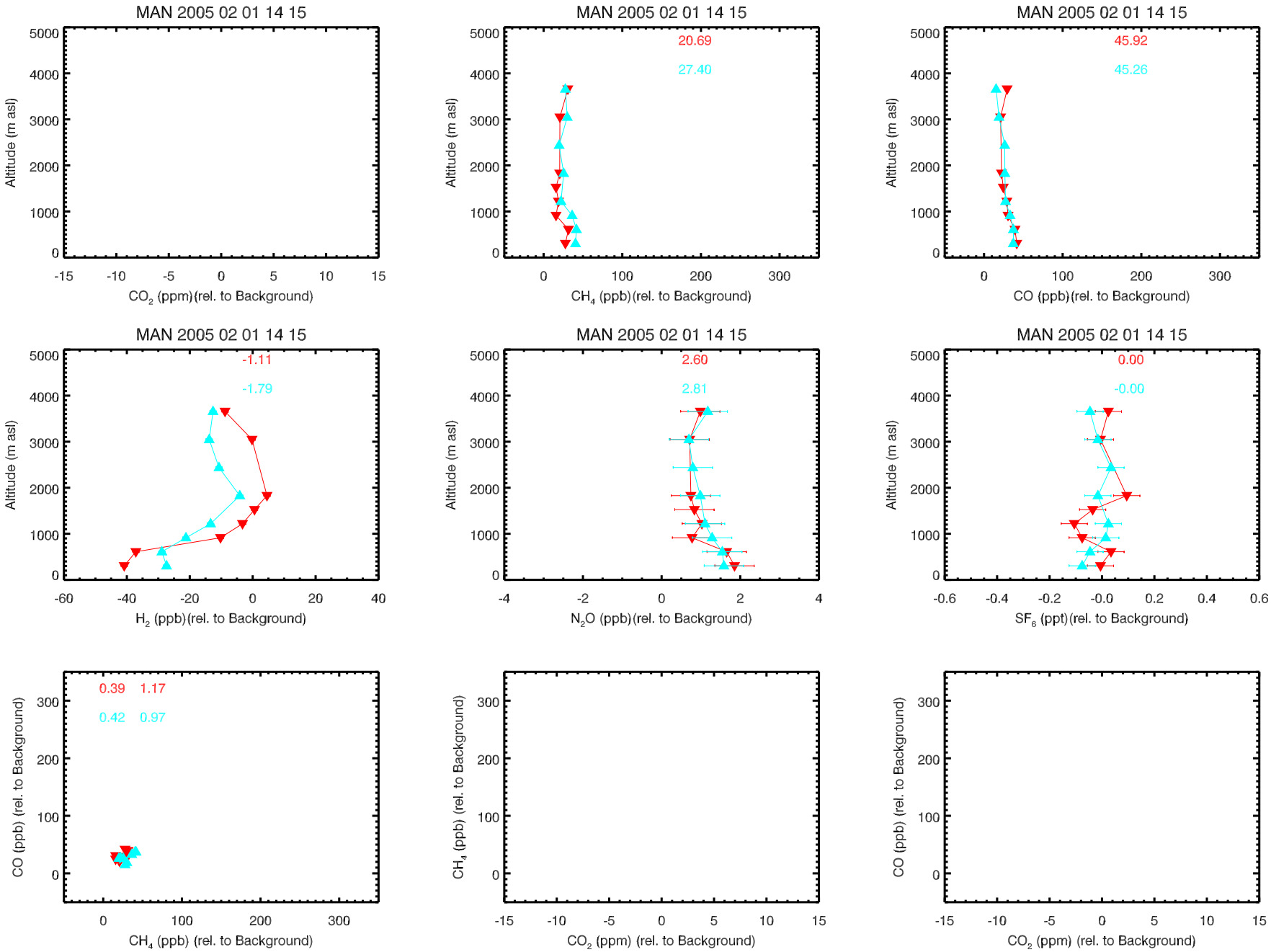
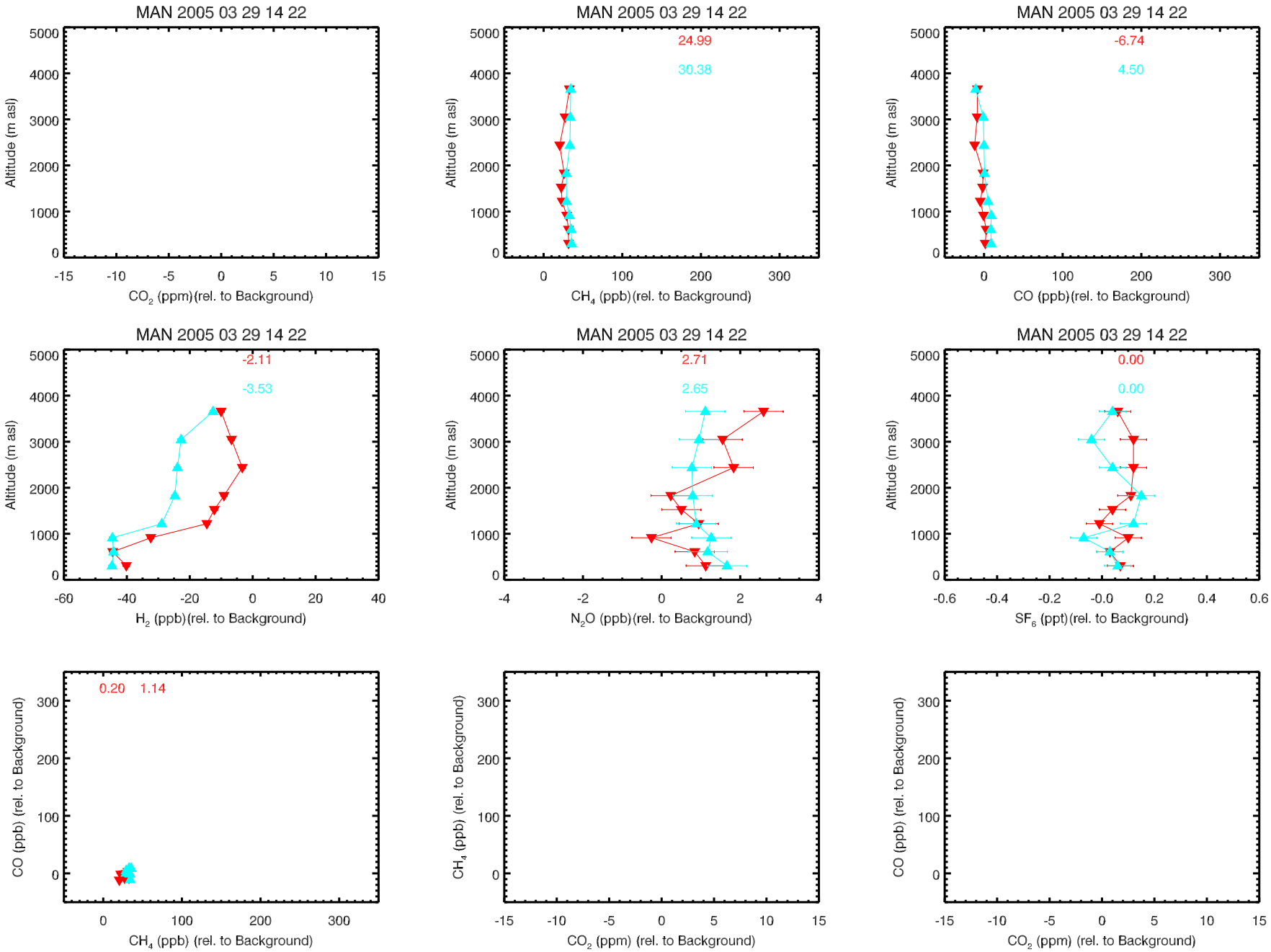
MAN 2004 12 20 13 29
Altitude (m asl)
CO$_2$ (ppm)(rel. to Background)
MAN 2004 12 20 13 29
Altitude (m asl)
H$_2$ (ppb)(rel. to Background)
1.43
0.85
MAN 2004 12 20 13 29
Altitude (m asl)
CO (ppb) (rel. to Background)
0.96
0.93
MAN 2004 12 20 13 29
Altitude (m asl)
CH$_4$ (ppb)(rel. to Background)
56.79
52.80
MAN 2004 12 20 13 29
Altitude (m asl)
N$_2$O (ppb)(rel. to Background)
2.27
2.67
MAN 2004 12 20 13 29
Altitude (m asl)
CH$_4$ (ppb) (rel. to Background)
MAN 2004 12 20 13 29
Altitude (m asl)
CO$_2$ (ppm) (rel. to Background)
MAN 2004 12 20 13 29
Altitude (m asl)
SF$_6$ (ppt)(rel. to Background)
0.00
0.00
MAN 2004 12 20 13 29
Altitude (m asl)
CO (ppb)(rel. to Background)
339.52
268.73

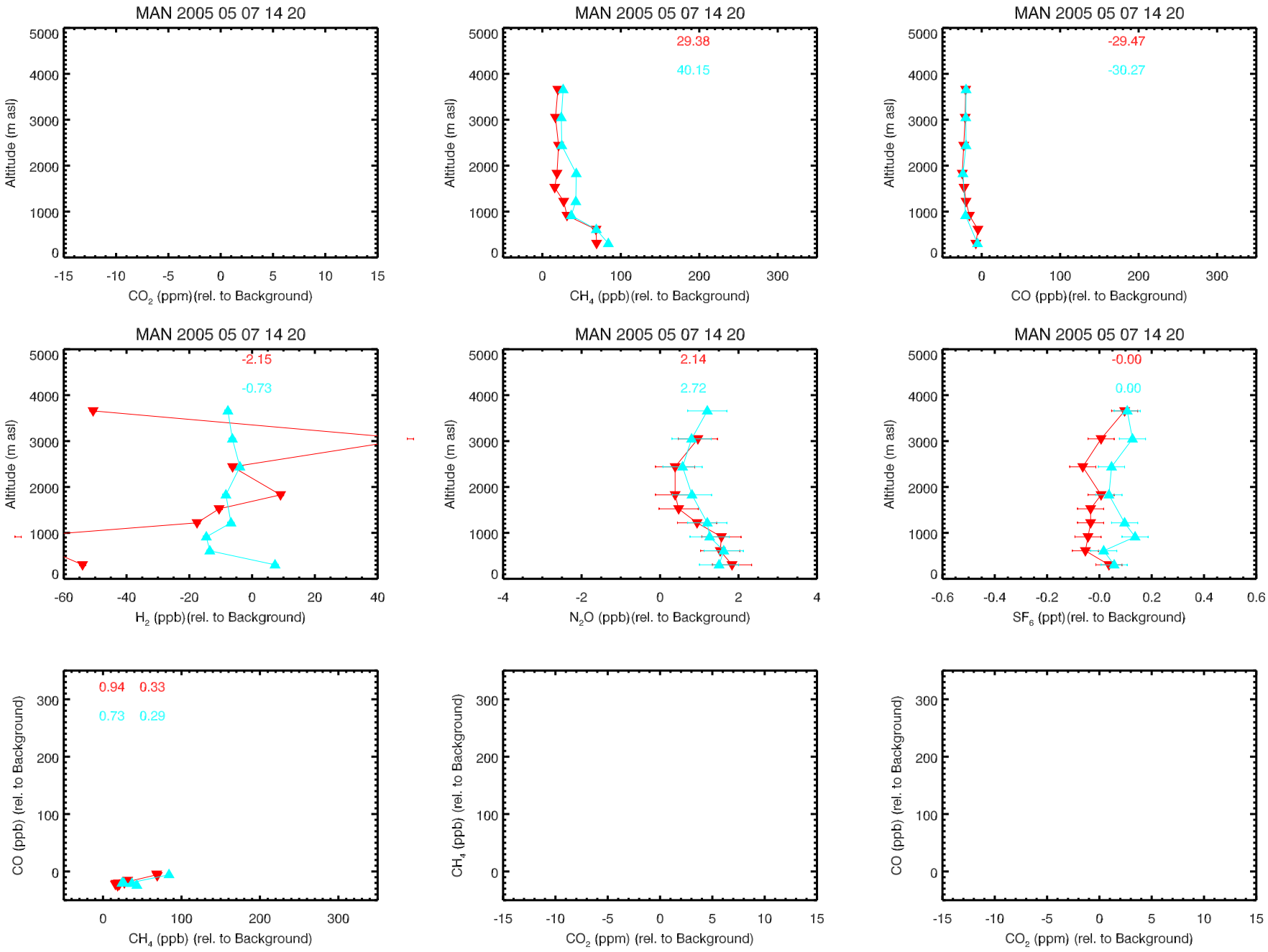
MAN 2005 01 14 15 03
Altitude (m asl)
CO2 (ppm)(rel. to Background)
MAN 2005 01 14 15 03
-1.93
-1.97
Altitude (m asl)
H2 (ppb)(rel. to Background)
MAN 2005 01 14 15 03
0.36 2.80
0.13 -5.69
CO (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
MAN 2005 01 14 15 03
25.62
22.25
Altitude (m asl)
CH4 (ppb)(rel. to Background)
MAN 2005 01 14 15 03
0.96
1.21
Altitude (m asl)
N2O (ppb)(rel. to Background)
MAN 2005 01 14 15 03
-0.00
-0.00
Altitude (m asl)
SF6 (ppt)(rel. to Background)
MAN 2005 01 14 15 03
114.47
101.62
Altitude (m asl)
CO (ppb)(rel. to Background)
CO2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)


MAN 2005 02 01 14 15
Altitude (m asl)
CO_2 (ppm)(rel. to Background)
MAN 2005 02 01 14 15
20.69
27.40
Altitude (m asl)
CH_4 (ppb)(rel. to Background)
MAN 2005 02 01 14 15
45.92
45.26
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2005 02 01 14 15
-1.11
-1.79
Altitude (m asl)
H_2 (ppb)(rel. to Background)
MAN 2005 02 01 14 15
2.60
2.81
Altitude (m asl)
N_2O (ppb)(rel. to Background)
MAN 2005 02 01 14 15
0.00
-0.00
Altitude (m asl)
SF_6 (ppt)(rel. to Background)
0.39 1.17
0.42 0.97
CO (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)

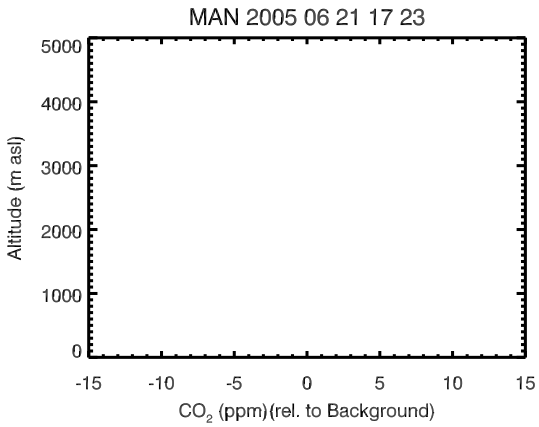
MAN 2005 03 08 15 04
Altitude (m asl)
CO$_2$ (ppm)(rel. to Background)
MAN 2005 03 08 15 04
Altitude (m asl)
CH$_4$ (ppb)(rel. to Background)
MAN 2005 03 08 15 04
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2005 03 08 15 04
Altitude (m asl)
H$_2$ (ppb)(rel. to Background)
MAN 2005 03 08 15 04
Altitude (m asl)
N$_2$O (ppb)(rel. to Background)
MAN 2005 03 08 15 04
Altitude (m asl)
SF$_6$ (ppt)(rel. to Background)
CO (ppb) (rel. to Background)
CH$_4$ (ppb) (rel. to Background)
CO$_2$ (ppm) (rel. to Background)

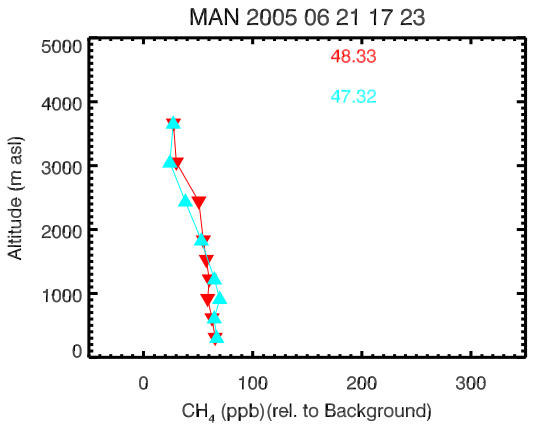

MAN 2005 03 29 14 22
Altitude (m asl)
CO2 (ppm)(rel. to Background)
MAN 2005 03 29 14 22
24.99
30.38
CH4 (ppb)(rel. to Background)
MAN 2005 03 29 14 22
-6.74
4.50
CO (ppb)(rel. to Background)
MAN 2005 03 29 14 22
-2.11
-3.53
H2 (ppb)(rel. to Background)
MAN 2005 03 29 14 22
2.71
2.65
N2O (ppb)(rel. to Background)
MAN 2005 03 29 14 22
0.00
0.00
SF6 (ppt)(rel. to Background)
0.20 1.14
CO (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)

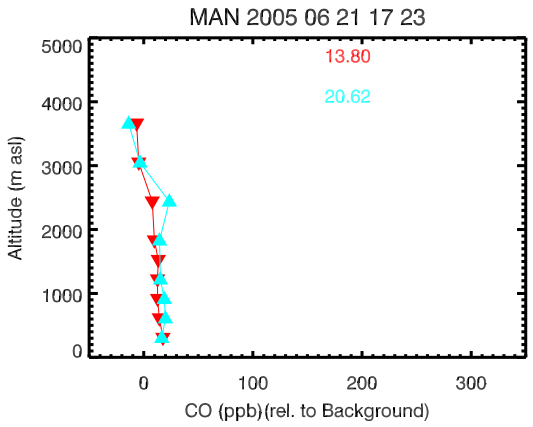
MAN 2005 04 14 13 34
Altitude (m asl)
CO$_2$ (ppm)(rel. to Background)
MAN 2005 04 14 13 34
Altitude (m asl)
H$_2$ (ppb)(rel. to Background)
MAN 2005 04 14 13 34
-1.96
-2.12
Altitude (m asl)
CO (ppb) (rel. to Background)
0.56 0.34
0.25 0.37
MAN 2005 04 14 13 34
Altitude (m asl)
CH$_4$ (ppb)(rel. to Background)
MAN 2005 04 14 13 34
38.11
42.91
Altitude (m asl)
CH$_4$ (ppb) (rel. to Background)
MAN 2005 04 14 13 34
3.16
2.48
Altitude (m asl)
N$_2$O (ppb)(rel. to Background)
MAN 2005 04 14 13 34
-9.48
-7.93
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2005 04 14 13 34
-0.00
0.00
Altitude (m asl)
SF$_6$ (ppt)(rel. to Background)
Altitude (m asl)
CO (ppb) (rel. to Background)
Altitude (m asl)
CO$_2$ (ppm) (rel. to Background)

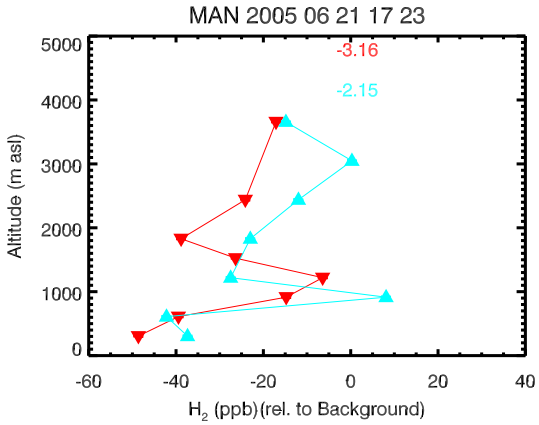

MAN 2005 05 07 14 20
Altitude (m asl)
CO2 (ppm)(rel. to Background)
MAN 2005 05 07 14 20
29.38
40.15
CH4 (ppb)(rel. to Background)
MAN 2005 05 07 14 20
-29.47
-30.27
CO (ppb)(rel. to Background)
MAN 2005 05 07 14 20
-2.15
-0.73
H2 (ppb)(rel. to Background)
MAN 2005 05 07 14 20
2.14
2.72
N2O (ppb)(rel. to Background)
MAN 2005 05 07 14 20
-0.00
0.00
SF6 (ppt)(rel. to Background)
0.94 0.33
0.73 0.29
CO (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)

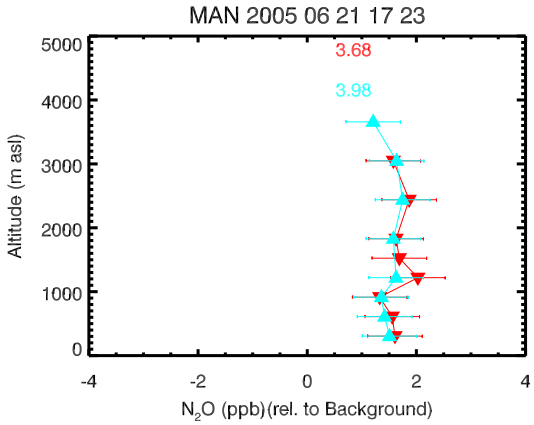
MAN 2005 06 01 17 46
Altitude (m asl)
CO2 (ppm)(rel. to Background)
-1.86
-1.63
H2 (ppb)(rel. to Background)
0.65
1.19
0.63
0.81
CO (ppb) (rel. to Background)
2.05
1.86
N2O (ppb)(rel. to Background)
28.70
26.15
CH4 (ppb)(rel. to Background)
2.04
-1.85
CO (ppb)(rel. to Background)
0.00
0.00
SF6 (ppt)(rel. to Background)
CH4 (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)

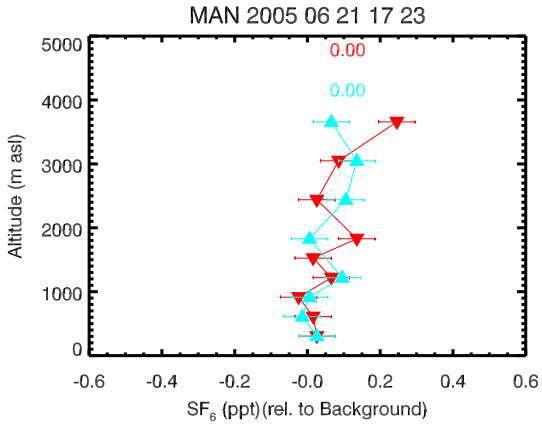

MAN 2005 06 21 17 23
Altitude (m asl)
CO2 (ppm)(rel. to Background)

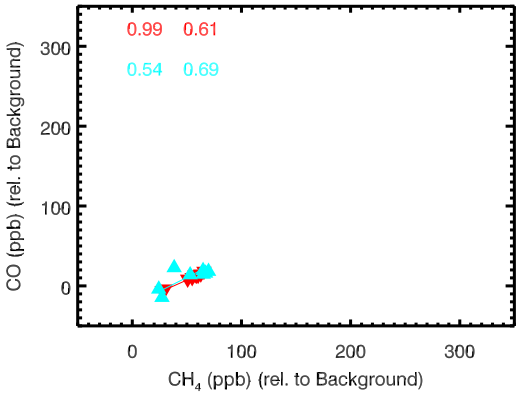

MAN 2005 06 21 17 23
48.33
47.32
Altitude (m asl)
CH4 (ppb)(rel. to Background)

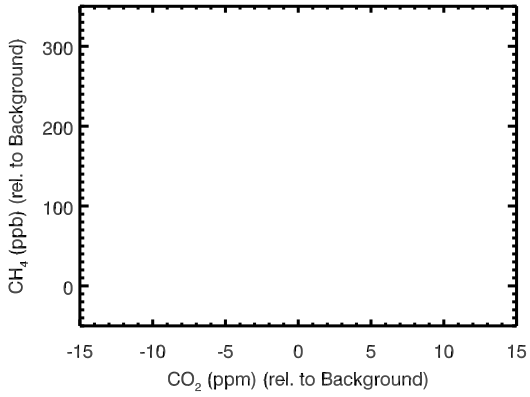

MAN 2005 06 21 17 23
13.80
20.62
Altitude (m asl)
CO (ppb)(rel. to Background)

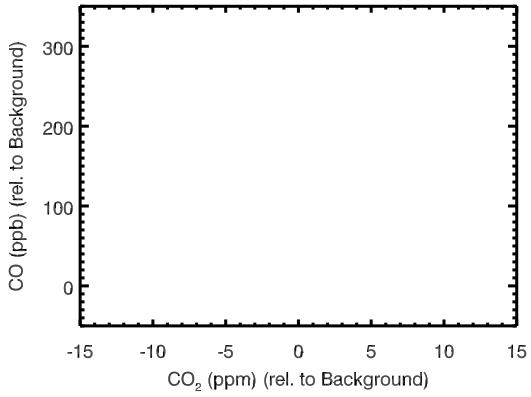

MAN 2005 06 21 17 23
-3.16
-2.15
Altitude (m asl)
H2 (ppb)(rel. to Background)


MAN 2005 06 21 17 23
3.68
3.98
Altitude (m asl)
N2O (ppb)(rel. to Background)

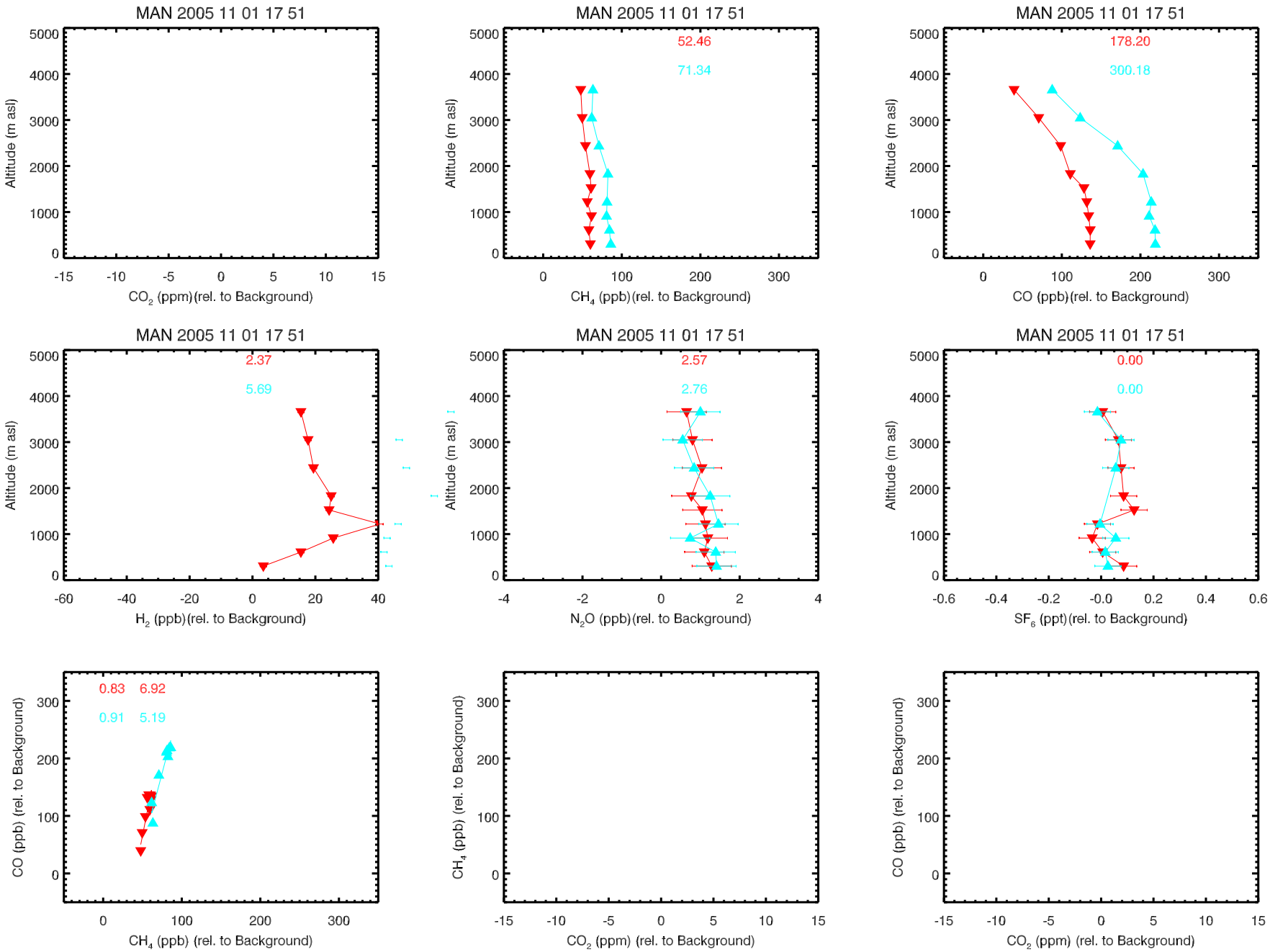

MAN 2005 06 21 17 23
0.00
0.00
Altitude (m asl)
SF6 (ppt)(rel. to Background)


0.99 0.61
0.54 0.69
CO (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)

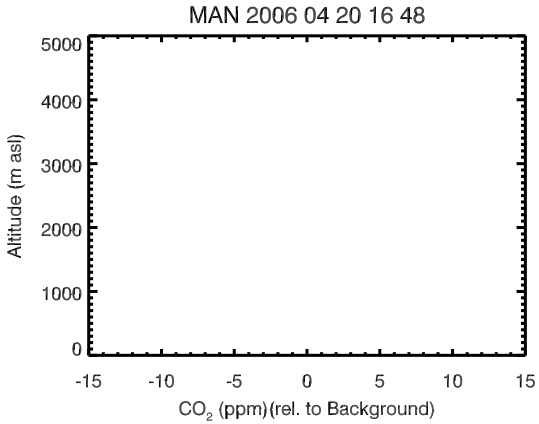

CH4 (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)

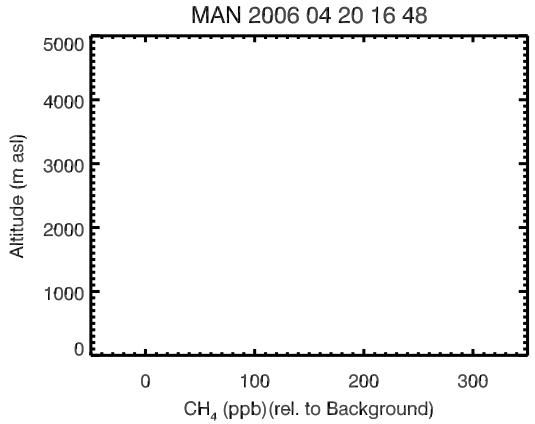

CO (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)

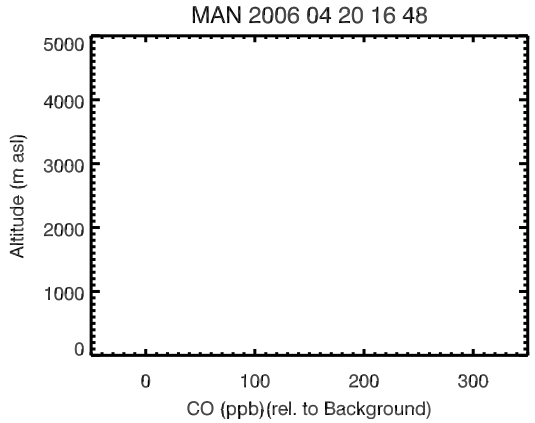
MAN 2005 10 03 17 11
Altitude (m asl)
CO$_2$ (ppm)(rel. to Background)
3.14
3.13
H$_2$ (ppb)(rel. to Background)
1.78
1.58
N$_2$O (ppb)(rel. to Background)
58.76
57.05
CH$_4$ (ppb)(rel. to Background)
278.29
246.31
CO (ppb)(rel. to Background)
0.00
-0.00
SF$_6$ (ppt)(rel. to Background)
0.32 -2.06
CO (ppb) (rel. to Background)
CH$_4$ (ppb) (rel. to Background)
CO$_2$ (ppm) (rel. to Background)

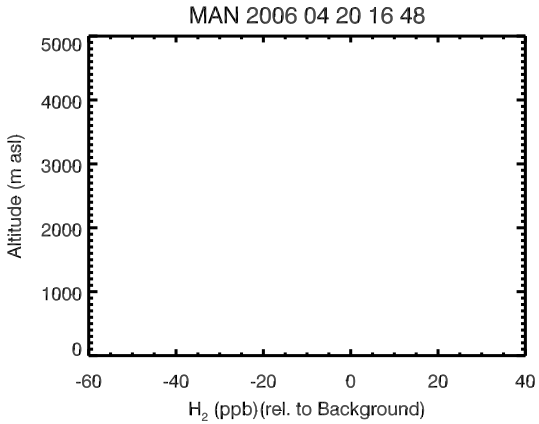

MAN 2005 11 01 17 51
Altitude (m asl)
CO2 (ppm)(rel. to Background)
MAN 2005 11 01 17 51
52.46
71.34
CH4 (ppb)(rel. to Background)
MAN 2005 11 01 17 51
178.20
300.18
CO (ppb)(rel. to Background)
MAN 2005 11 01 17 51
2.37
5.69
H2 (ppb)(rel. to Background)
MAN 2005 11 01 17 51
2.57
2.76
N2O (ppb)(rel. to Background)
MAN 2005 11 01 17 51
0.00
0.00
SF6 (ppt)(rel. to Background)
0.83 6.92
0.91 5.19
CO (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)

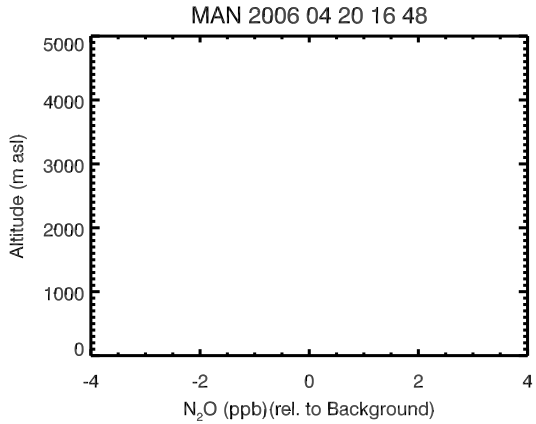
MAN 2006 03 03 18 26
Altitude (m asl)
CO (ppb) (rel. to Background)
-4.52
MAN 2006 03 03 18 26
Altitude (m asl)
CH4 (ppb) (rel. to Background)
16.23
MAN 2006 03 03 18 26
Altitude (m asl)
CO2 (ppm) (rel. to Background)
-2.17
MAN 2006 03 03 18 26
Altitude (m asl)
SF6 (ppt) (rel. to Background)
-0.00
MAN 2006 03 03 18 26
Altitude (m asl)
N2O (ppb) (rel. to Background)
2.34
MAN 2006 03 03 18 26
Altitude (m asl)
H2 (ppb) (rel. to Background)
CO (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)

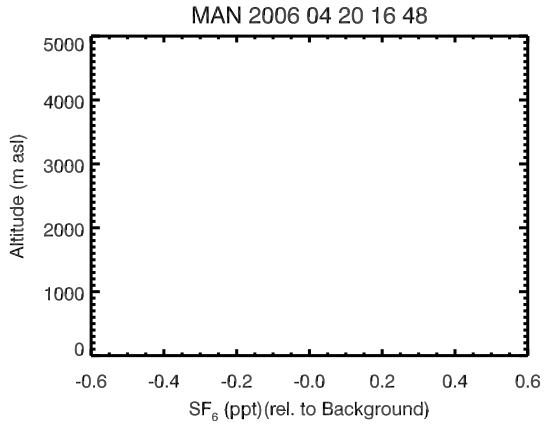

MAN 2006 04 20 16 48
Altitude (m asl)
5000
4000
3000
2000
1000
0
-15
-10
-5
0
5
10
15
CO2 (ppm)(rel. to Background)

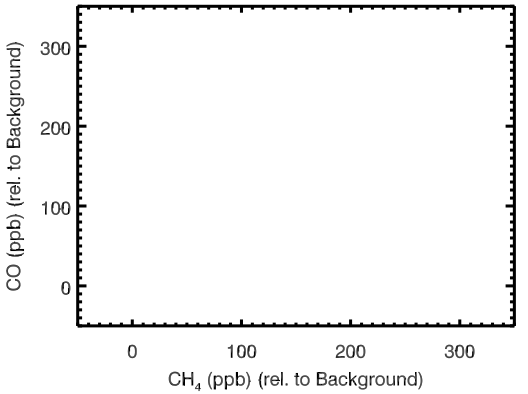

MAN 2006 04 20 16 48
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CH4 (ppb)(rel. to Background)

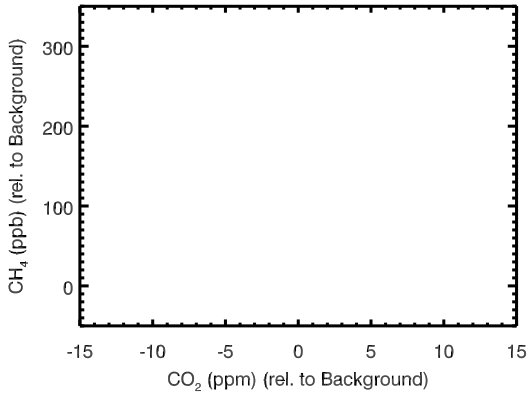

MAN 2006 04 20 16 48
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CO (ppb)(rel. to Background)

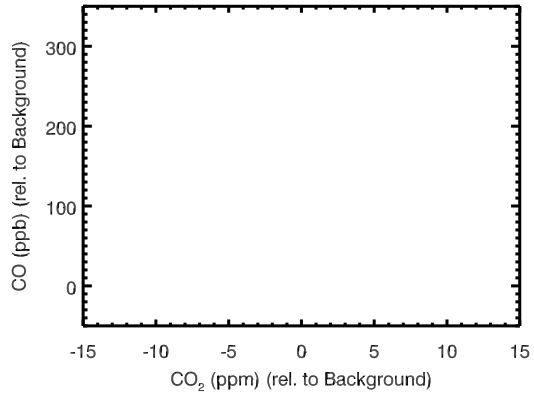

MAN 2006 04 20 16 48
Altitude (m asl)
5000
4000
3000
2000
1000
0
-60
-40
-20
0
20
40
H2 (ppb)(rel. to Background)

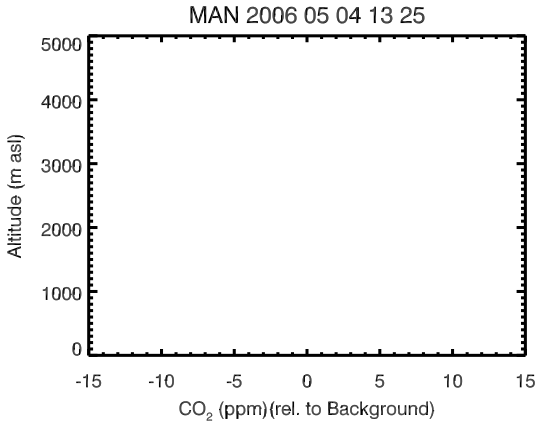

MAN 2006 04 20 16 48
Altitude (m asl)
5000
4000
3000
2000
1000
0
-4
-2
0
2
4
N2O (ppb)(rel. to Background)

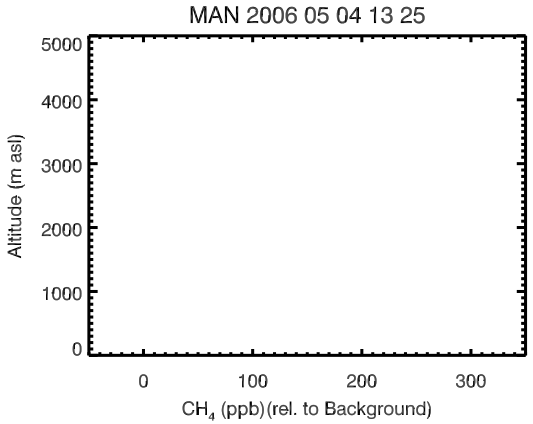

MAN 2006 04 20 16 48
Altitude (m asl)
5000
4000
3000
2000
1000
0
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
SF6 (ppt)(rel. to Background)

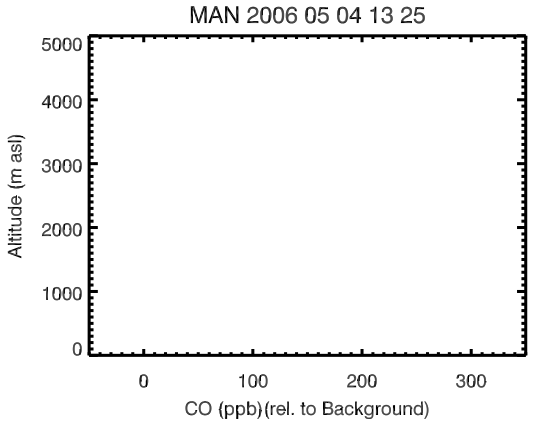

CO (ppb) (rel. to Background)
300
200
100
0
0
100
200
300
CH4 (ppb) (rel. to Background)

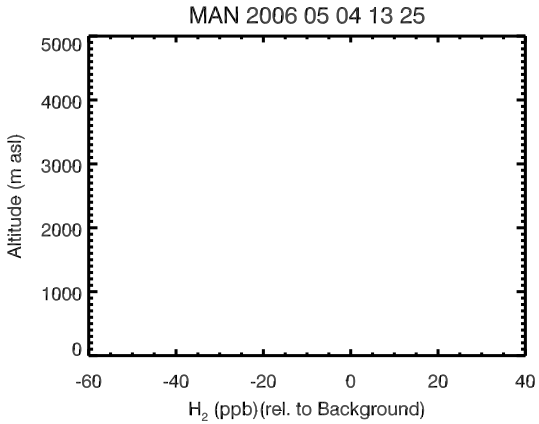

CH4 (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

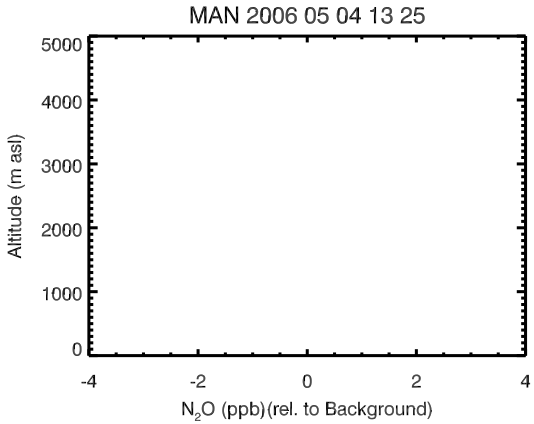

CO (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

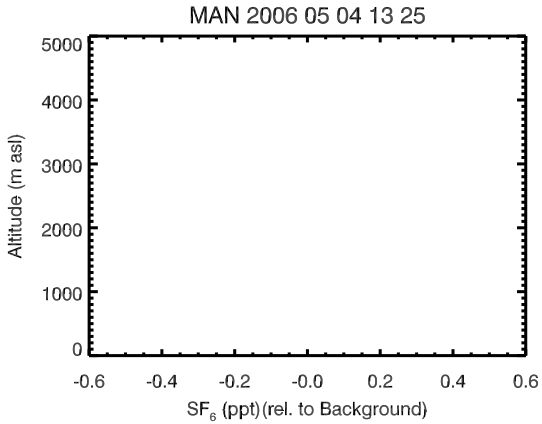

MAN 2006 05 04 13 25
Altitude (m asl)
5000
4000
3000
2000
1000
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

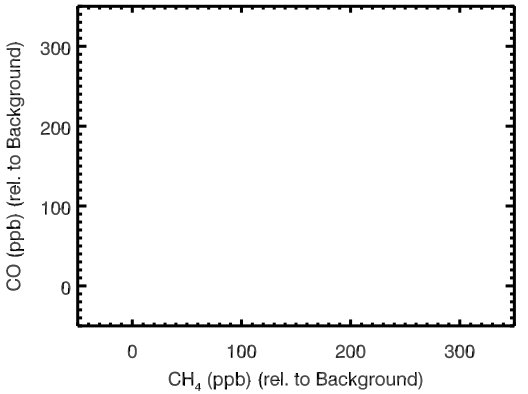

MAN 2006 05 04 13 25
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CH4 (ppb) (rel. to Background)

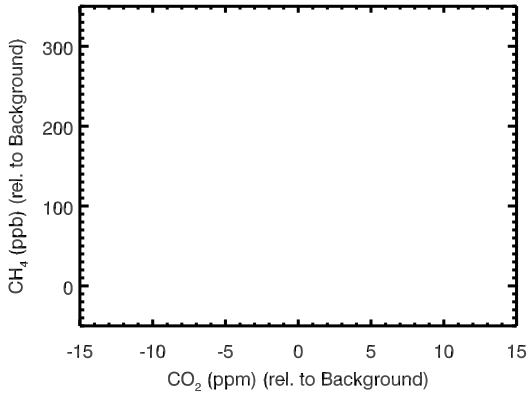

MAN 2006 05 04 13 25
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CO (ppb) (rel. to Background)

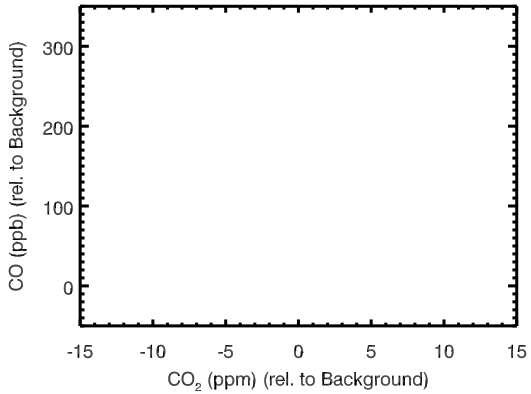

MAN 2006 05 04 13 25
Altitude (m asl)
5000
4000
3000
2000
1000
0
-60
-40
-20
0
20
40
H2 (ppb) (rel. to Background)


MAN 2006 05 04 13 25
Altitude (m asl)
5000
4000
3000
2000
1000
0
-4
-2
0
2
4
N2O (ppb) (rel. to Background)

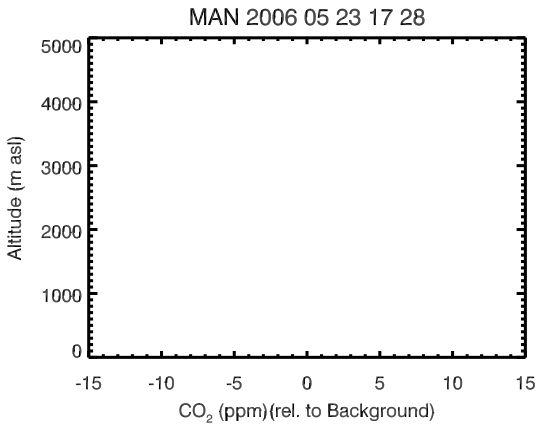

MAN 2006 05 04 13 25
Altitude (m asl)
5000
4000
3000
2000
1000
0
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
SF6 (ppt) (rel. to Background)

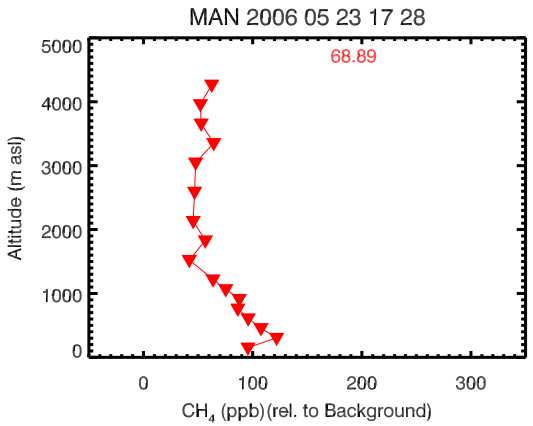

CO (ppb) (rel. to Background)
300
200
100
0
0
100
200
300
CH4 (ppb) (rel. to Background)

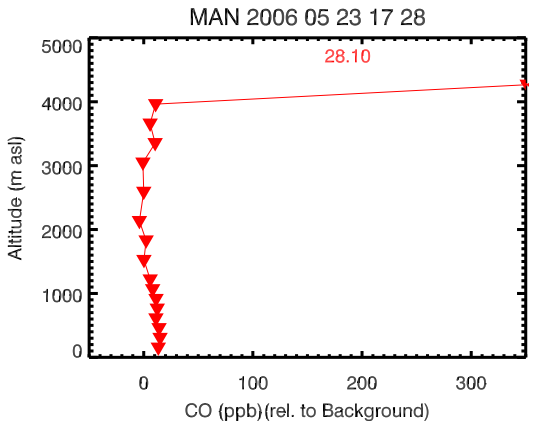

CH4 (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

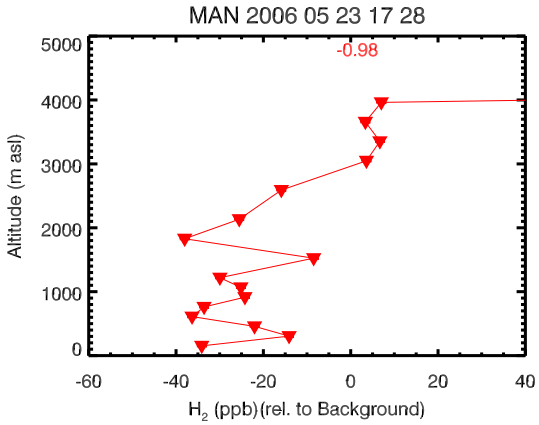

CO (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

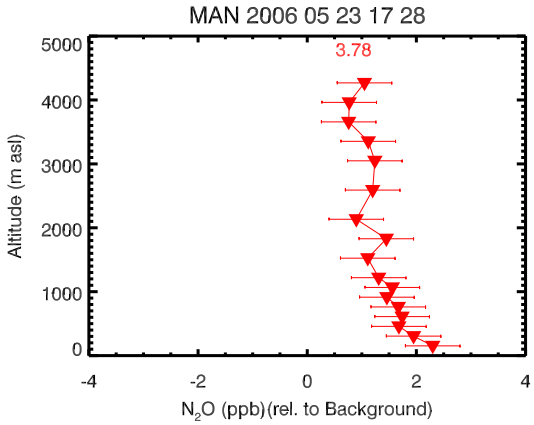
MAN 2006 05 11 14 39
279.73
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2006 05 11 14 39
Altitude (m asl)
CH4 (ppb)(rel. to Background)
MAN 2006 05 11 14 39
41.51
Altitude (m asl)
CO2 (ppm)(rel. to Background)
MAN 2006 05 11 14 39
0.00
Altitude (m asl)
SF6 (ppt)(rel. to Background)
MAN 2006 05 11 14 39
10.17
Altitude (m asl)
N2O (ppb)(rel. to Background)
MAN 2006 05 11 14 39
Altitude (m asl)
H2 (ppb)(rel. to Background)
CO (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)

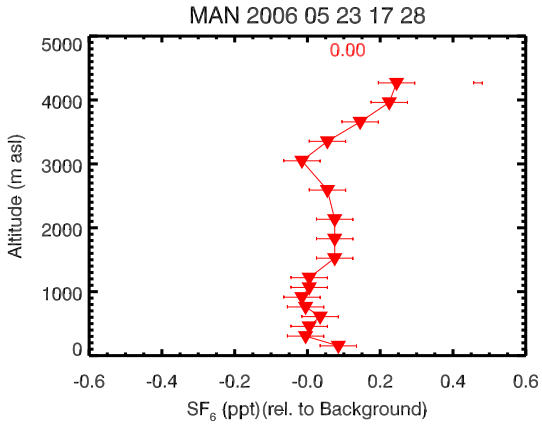

MAN 2006 05 23 17 28
Altitude (m asl)
5000
4000
3000
2000
1000
0
-15
-10
-5
0
5
10
15
CO2 (ppm)(rel. to Background)

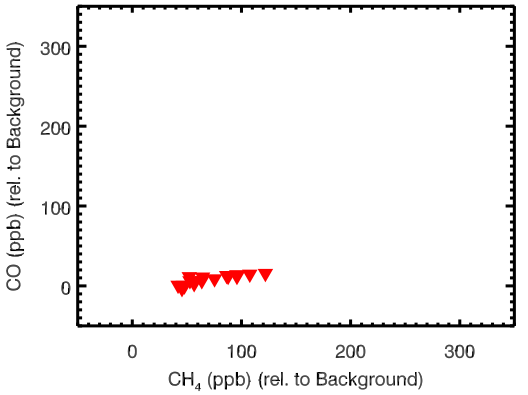

MAN 2006 05 23 17 28
68.89
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CH4 (ppb)(rel. to Background)

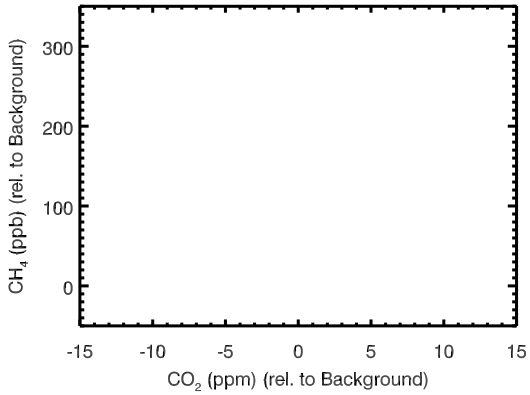

MAN 2006 05 23 17 28
28.10
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CO (ppb)(rel. to Background)

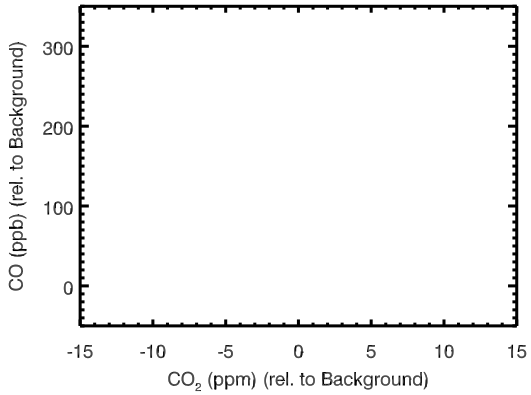

MAN 2006 05 23 17 28
-0.98
Altitude (m asl)
5000
4000
3000
2000
1000
0
-60
-40
-20
0
20
40
H2 (ppb)(rel. to Background)


MAN 2006 05 23 17 28
3.78
Altitude (m asl)
5000
4000
3000
2000
1000
0
-4
-2
0
2
4
N2O (ppb)(rel. to Background)

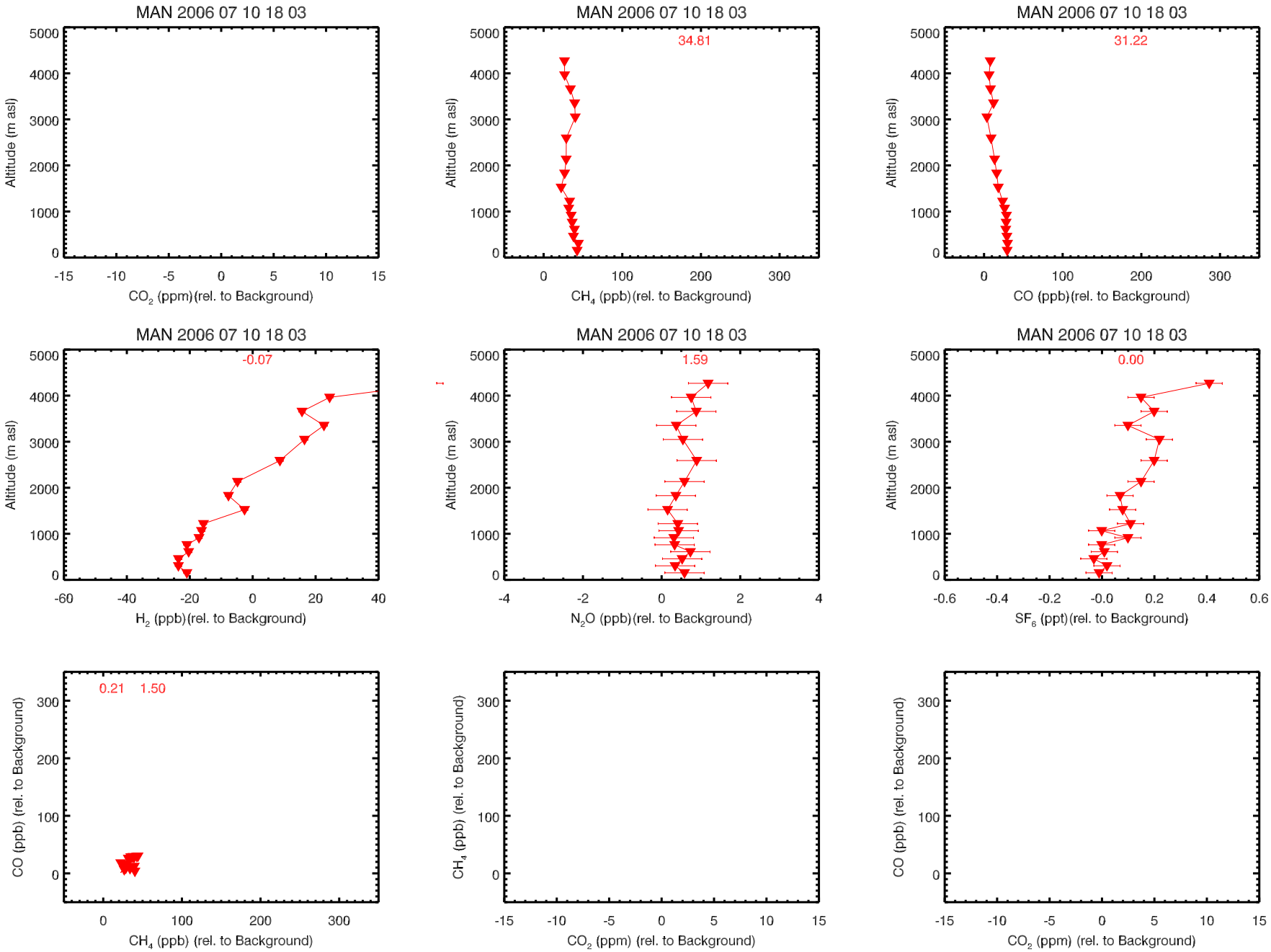

MAN 2006 05 23 17 28
0.00
Altitude (m asl)
5000
4000
3000
2000
1000
0
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
SF6 (ppt)(rel. to Background)

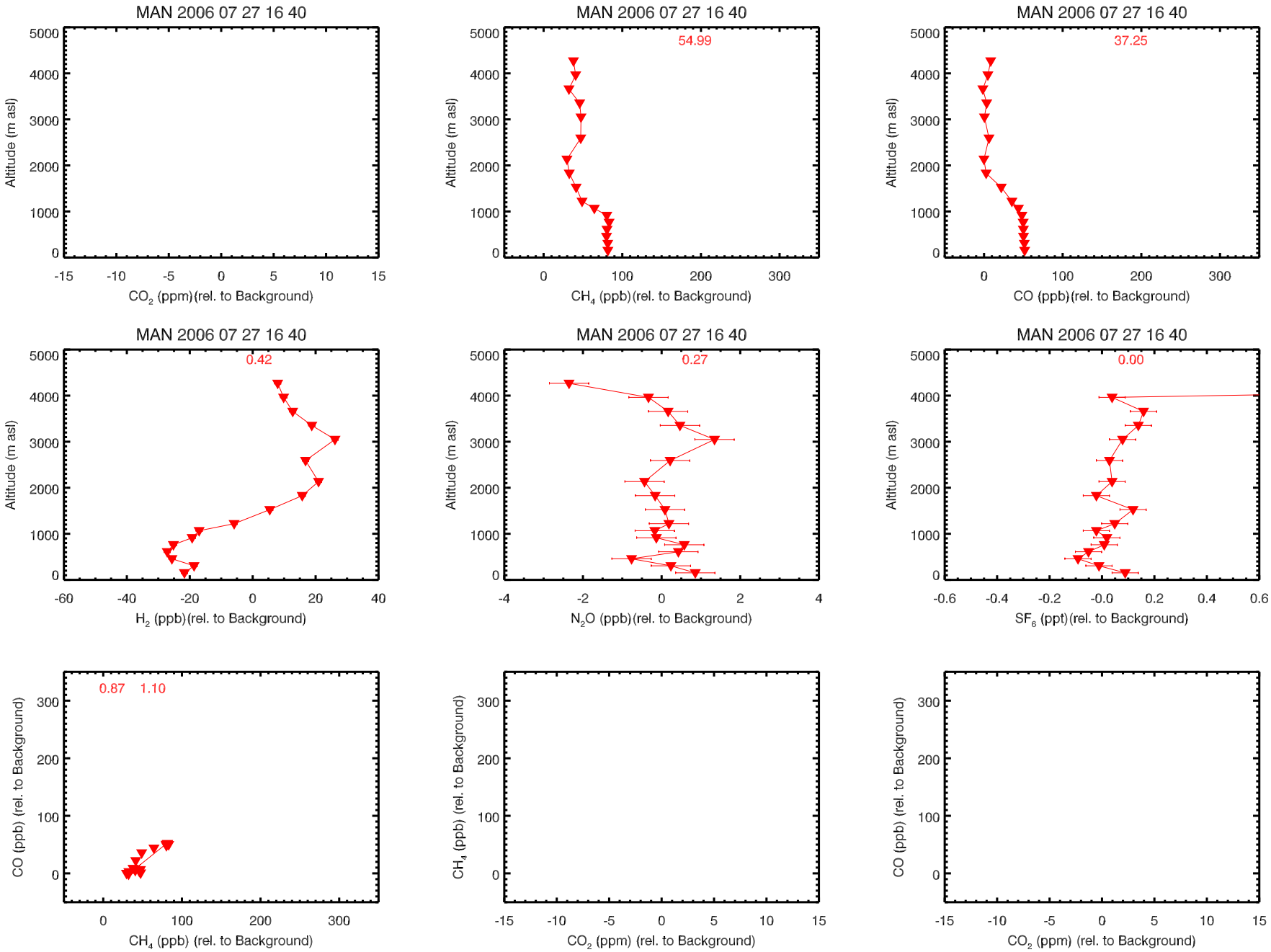

CO (ppb) (rel. to Background)
300
200
100
0
0
100
200
300
CH4 (ppb) (rel. to Background)

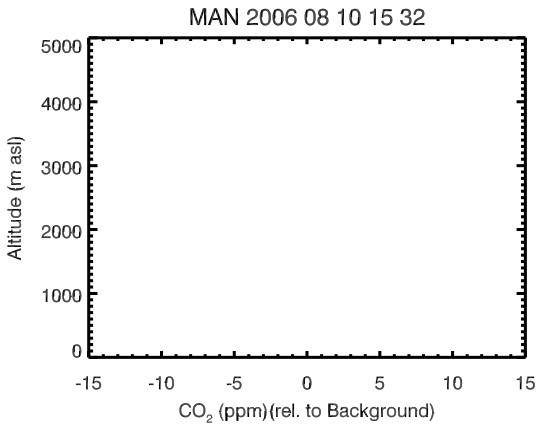

CH4 (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

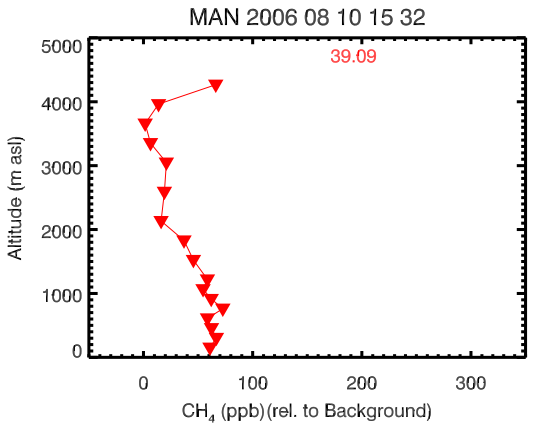

CO (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

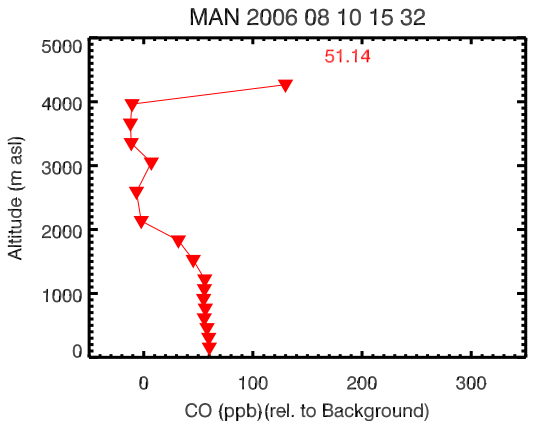
MAN 2006 06 21 15 56
Altitude (m asl)
0
1000
2000
3000
4000
5000
CO$_2$ (ppm)(rel. to Background)
-15
-10
-5
0
5
10
15
-0.11
MAN 2006 06 21 15 56
Altitude (m asl)
H$_2$ (ppb)(rel. to Background)
-60
-40
-20
0
20
40
0.09 -0.64
CO (ppb) (rel. to Background)
CH$_4$ (ppb) (rel. to Background)
MAN 2006 06 21 15 56
Altitude (m asl)
CH$_4$ (ppb)(rel. to Background)
0
100
200
300
1156.41
CO$_2$ (ppm) (rel. to Background)
MAN 2006 06 21 15 56
Altitude (m asl)
N$_2$O (ppb)(rel. to Background)
-4
-2
0
2
4
1.81
CH$_4$ (ppb) (rel. to Background)
MAN 2006 06 21 15 56
Altitude (m asl)
CO (ppb)(rel. to Background)
17.84
CO$_2$ (ppm) (rel. to Background)
MAN 2006 06 21 15 56
Altitude (m asl)
SF$_6$ (ppt)(rel. to Background)
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
0.00
CO (ppb) (rel. to Background)

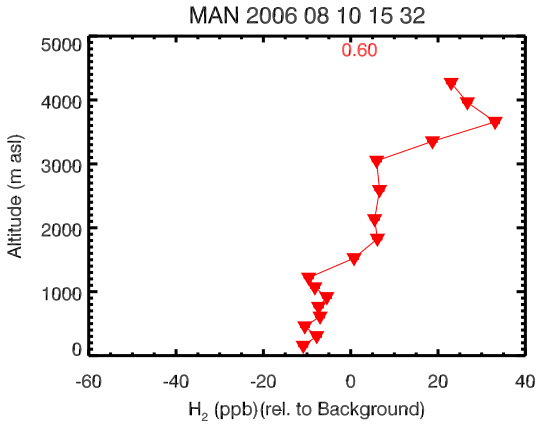

MAN 2006 07 10 18 03
Altitude (m asl)
CO_2 (ppm)(rel. to Background)
MAN 2006 07 10 18 03
34.81
CH_4 (ppb)(rel. to Background)
MAN 2006 07 10 18 03
31.22
CO (ppb)(rel. to Background)
MAN 2006 07 10 18 03
-0.07
H_2 (ppb)(rel. to Background)
MAN 2006 07 10 18 03
1.59
N_2O (ppb)(rel. to Background)
MAN 2006 07 10 18 03
0.00
SF_6 (ppt)(rel. to Background)
0.21 1.50
CO (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)

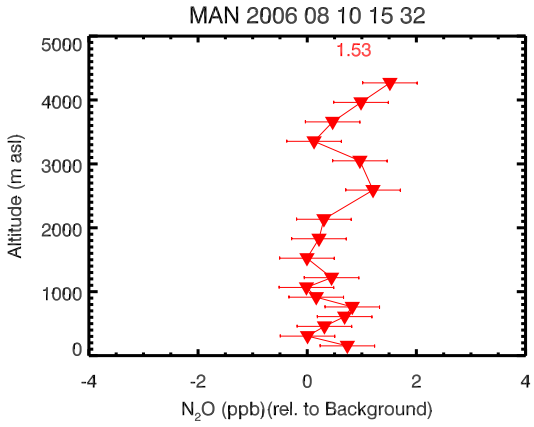

MAN 2006 07 27 16 40
Altitude (m asl)
CO_2 (ppm)(rel. to Background)
MAN 2006 07 27 16 40
54.99
Altitude (m asl)
CH_4 (ppb)(rel. to Background)
MAN 2006 07 27 16 40
37.25
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2006 07 27 16 40
0.42
Altitude (m asl)
H_2 (ppb)(rel. to Background)
MAN 2006 07 27 16 40
0.27
Altitude (m asl)
N_2O (ppb)(rel. to Background)
MAN 2006 07 27 16 40
0.00
Altitude (m asl)
SF_6 (ppt)(rel. to Background)
0.87 1.10
CO (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)

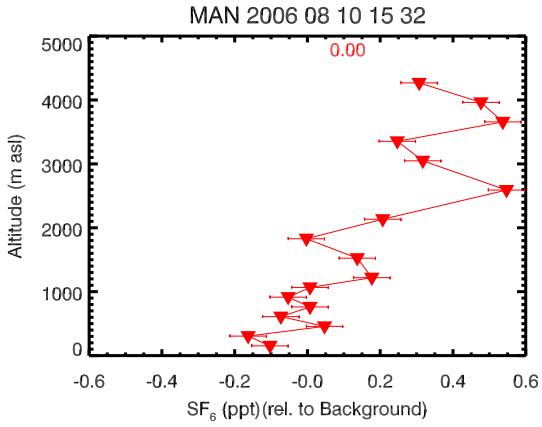

MAN 2006 08 10 15 32
Altitude (m asl)
5000
4000
3000
2000
1000
0
-15
-10
-5
0
5
10
15
CO2 (ppm)(rel. to Background)

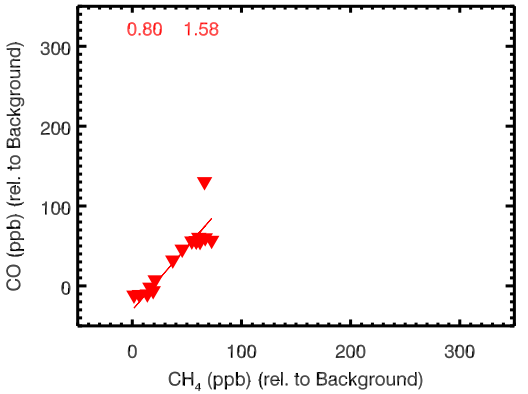

MAN 2006 08 10 15 32
39.09
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CH4 (ppb)(rel. to Background)

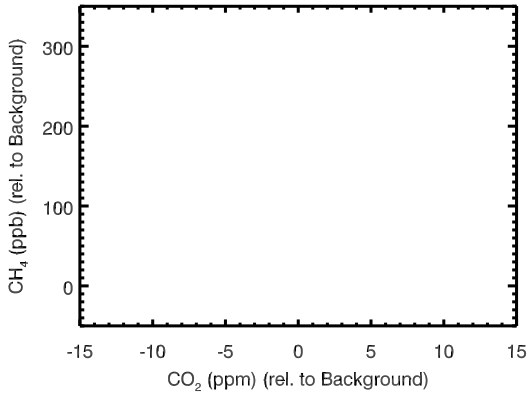

MAN 2006 08 10 15 32
51.14
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CO (ppb)(rel. to Background)

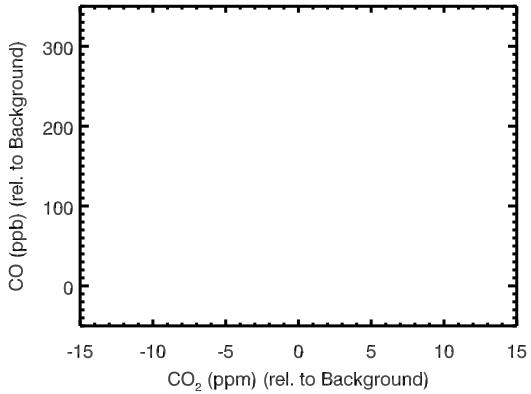

MAN 2006 08 10 15 32
0.60
Altitude (m asl)
5000
4000
3000
2000
1000
0
-60
-40
-20
0
20
40
H2 (ppb)(rel. to Background)

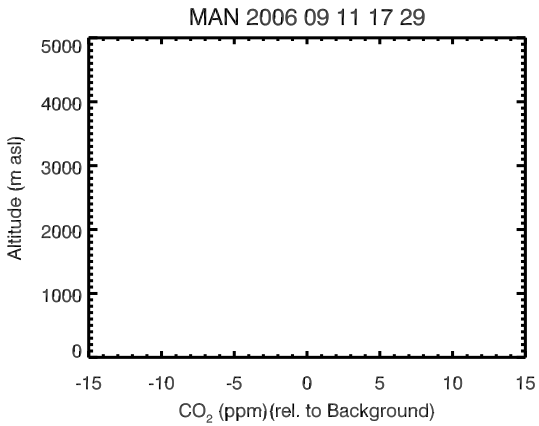

MAN 2006 08 10 15 32
1.53
Altitude (m asl)
5000
4000
3000
2000
1000
0
-4
-2
0
2
4
N2O (ppb)(rel. to Background)

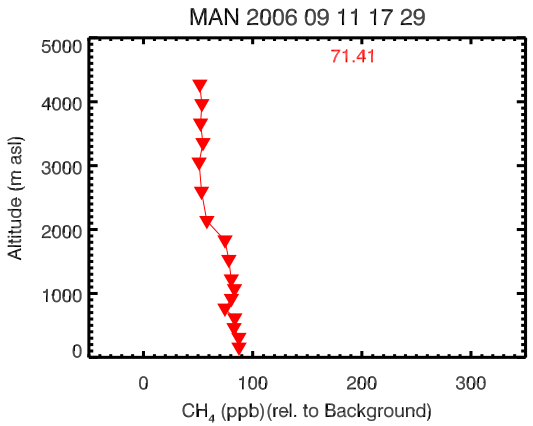

MAN 2006 08 10 15 32
0.00
Altitude (m asl)
5000
4000
3000
2000
1000
0
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
SF6 (ppt)(rel. to Background)

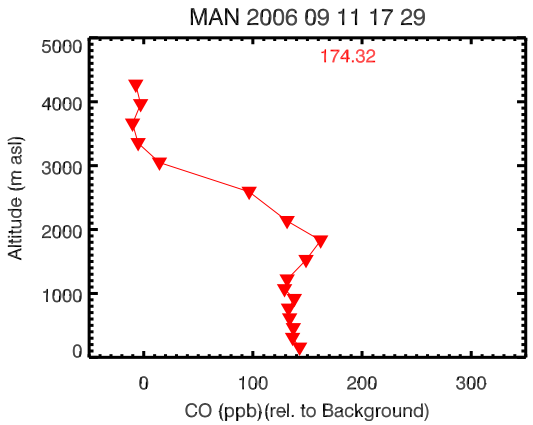

0.80
1.58
CO (ppb) (rel. to Background)
300
200
100
0
0
100
200
300
CH4 (ppb) (rel. to Background)

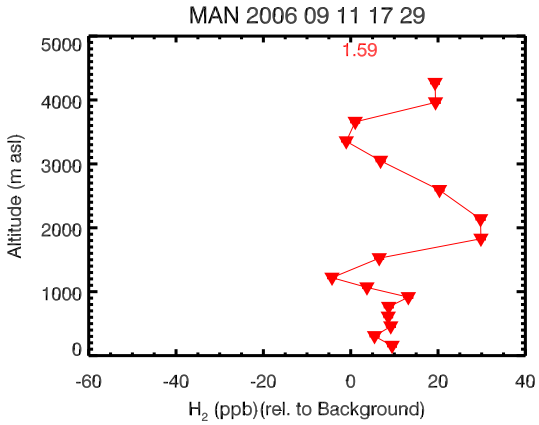

CH4 (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

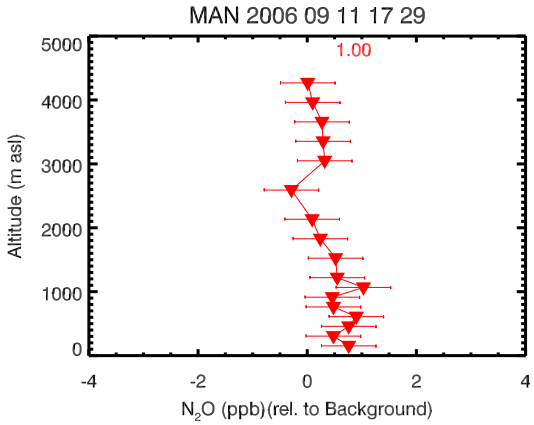

CO (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

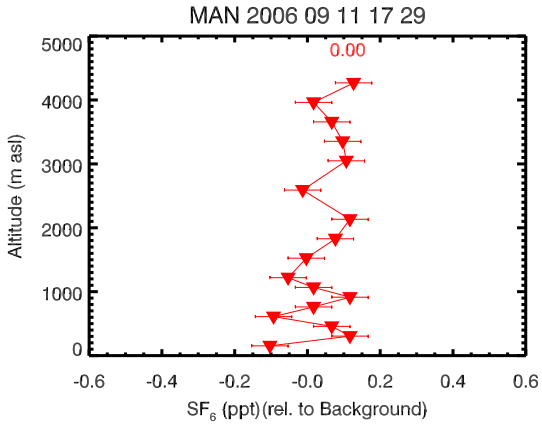

MAN 2006 09 11 17 29
Altitude (m asl)
5000
4000
3000
2000
1000
0
-15
-10
-5
0
5
10
15
CO2 (ppm)(rel. to Background)

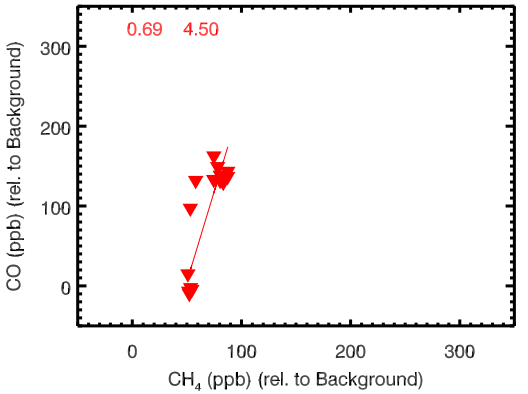

MAN 2006 09 11 17 29
71.41
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CH4 (ppb)(rel. to Background)

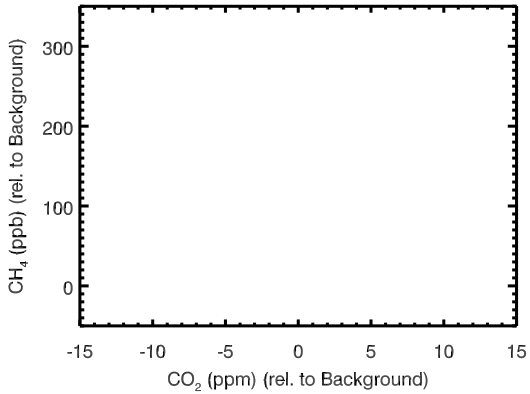

MAN 2006 09 11 17 29
174.32
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CO (ppb)(rel. to Background)

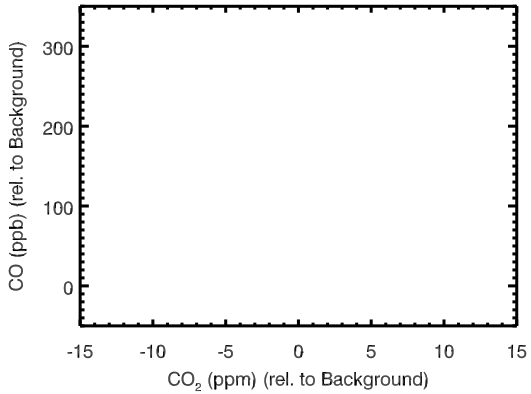

MAN 2006 09 11 17 29
1.59
Altitude (m asl)
5000
4000
3000
2000
1000
0
-60
-40
-20
0
20
40
H2 (ppb)(rel. to Background)

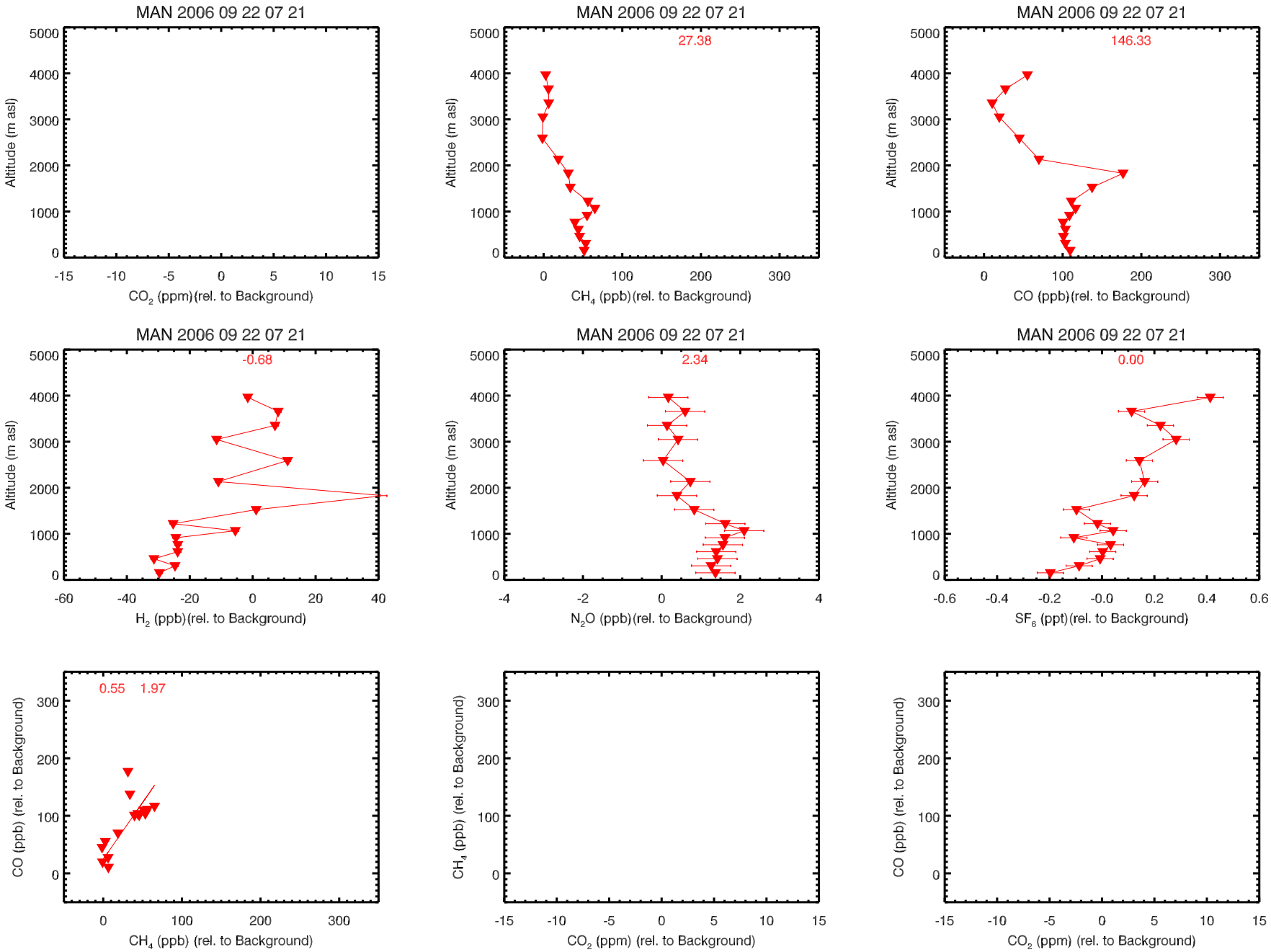

MAN 2006 09 11 17 29
1.00
Altitude (m asl)
5000
4000
3000
2000
1000
0
-4
-2
0
2
4
N2O (ppb)(rel. to Background)


MAN 2006 09 11 17 29
0.00
Altitude (m asl)
5000
4000
3000
2000
1000
0
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
SF6 (ppt)(rel. to Background)

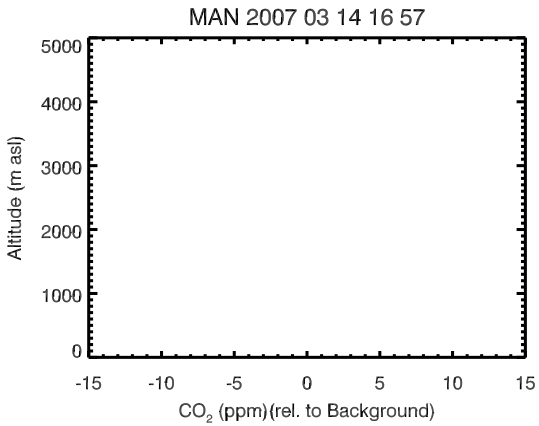

0.69
4.50
CO (ppb) (rel. to Background)
300
200
100
0
0
100
200
300
CH4 (ppb) (rel. to Background)

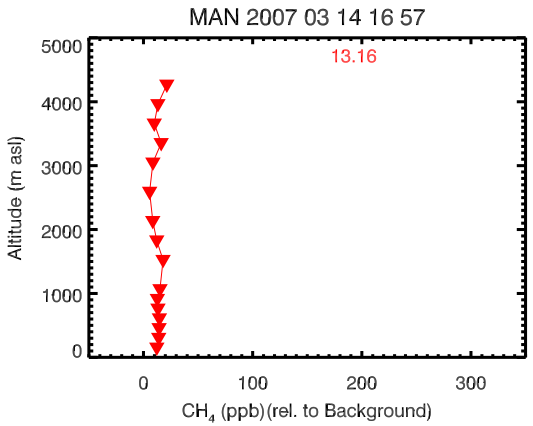

CH4 (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

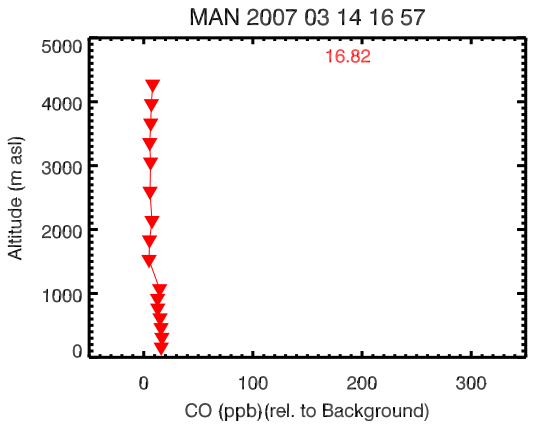

CO (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

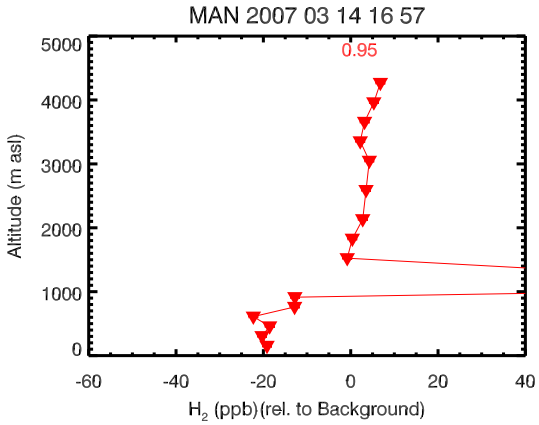

MAN 2006 09 22 07 21
Altitude (m asl)
CO_2 (ppm)(rel. to Background)
MAN 2006 09 22 07 21
27.38
Altitude (m asl)
CH_4 (ppb)(rel. to Background)
MAN 2006 09 22 07 21
146.33
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2006 09 22 07 21
-0.68
Altitude (m asl)
H_2 (ppb)(rel. to Background)
MAN 2006 09 22 07 21
2.34
Altitude (m asl)
N_2O (ppb)(rel. to Background)
MAN 2006 09 22 07 21
0.00
Altitude (m asl)
SF_6 (ppt)(rel. to Background)
0.55 1.97
CO (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)

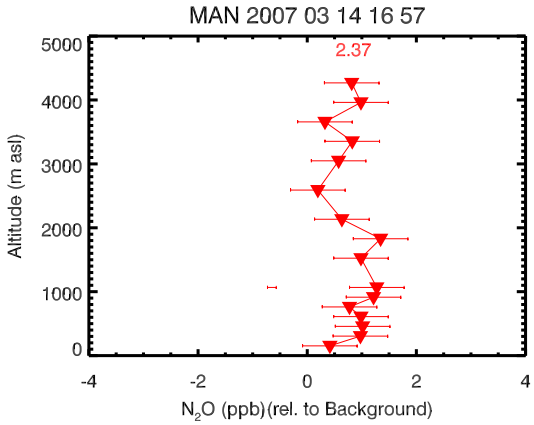
MAN 2007 01 30 16 51
Altitude (m asl)
CO$_2$ (ppm)(rel. to Background)
MAN 2007 01 30 16 51
Altitude (m asl)
CH$_4$ (ppb)(rel. to Background)
57.53
MAN 2007 01 30 16 51
Altitude (m asl)
CO (ppb)(rel. to Background)
98.77
MAN 2007 01 30 16 51
Altitude (m asl)
H$_2$ (ppb)(rel. to Background)
-0.91
MAN 2007 01 30 16 51
Altitude (m asl)
N$_2$O (ppb)(rel. to Background)
2.84
MAN 2007 01 30 16 51
Altitude (m asl)
SF$_6$ (ppt)(rel. to Background)
0.00
MAN 2007 01 30 16 51
Altitude (m asl)
CO (ppb) (rel. to Background)
CO$_2$ (ppm) (rel. to Background)
CH$_4$ (ppb) (rel. to Background)
CO (ppb) (rel. to Background)
0.60 1.50

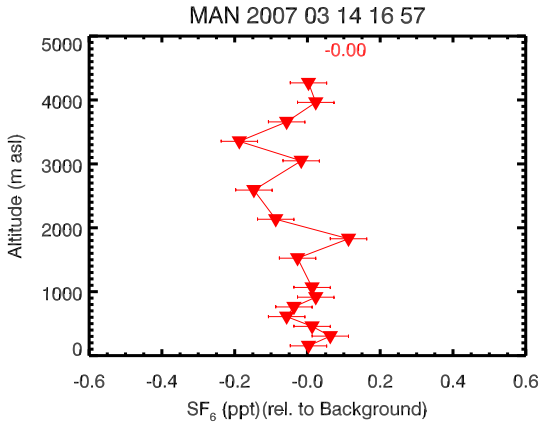

MAN 2007 03 14 16 57
Altitude (m asl)
5000
4000
3000
2000
1000
0
-15
-10
-5
0
5
10
15
CO2 (ppm)(rel. to Background)

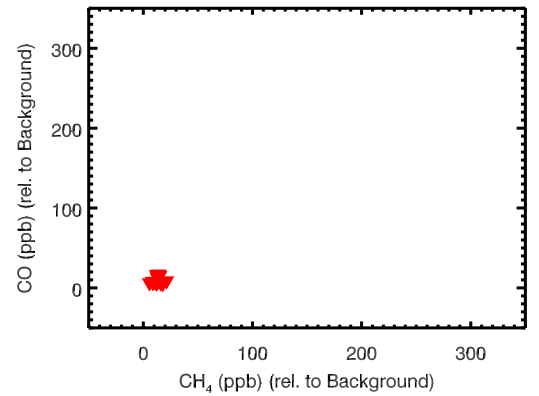

MAN 2007 03 14 16 57
13.16
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CH4 (ppb)(rel. to Background)

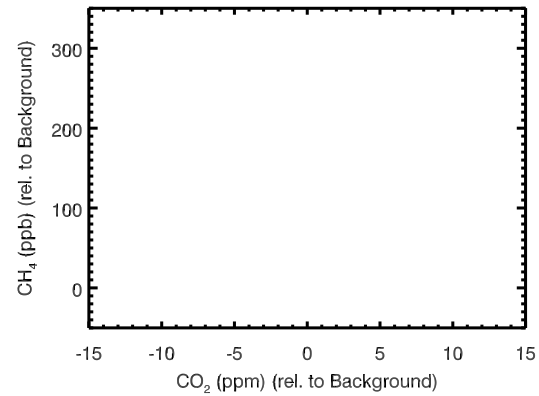

MAN 2007 03 14 16 57
16.82
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CO (ppb)(rel. to Background)

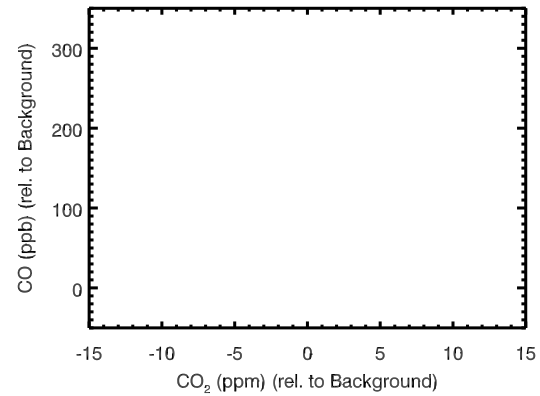

MAN 2007 03 14 16 57
0.95
Altitude (m asl)
5000
4000
3000
2000
1000
0
-60
-40
-20
0
20
40
H2 (ppb)(rel. to Background)


MAN 2007 03 14 16 57
2.37
Altitude (m asl)
5000
4000
3000
2000
1000
0
-4
-2
0
2
4
N2O (ppb)(rel. to Background)

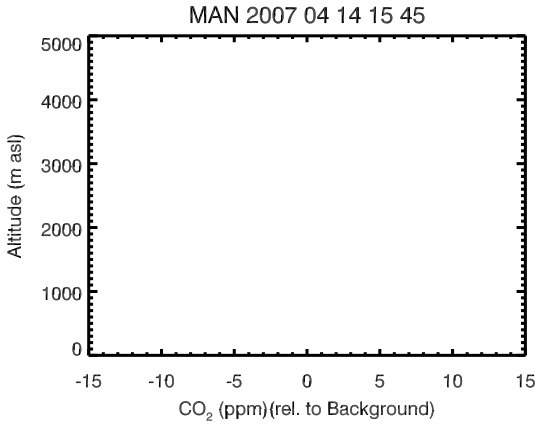

MAN 2007 03 14 16 57
-0.00
Altitude (m asl)
5000
4000
3000
2000
1000
0
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
SF6 (ppt)(rel. to Background)

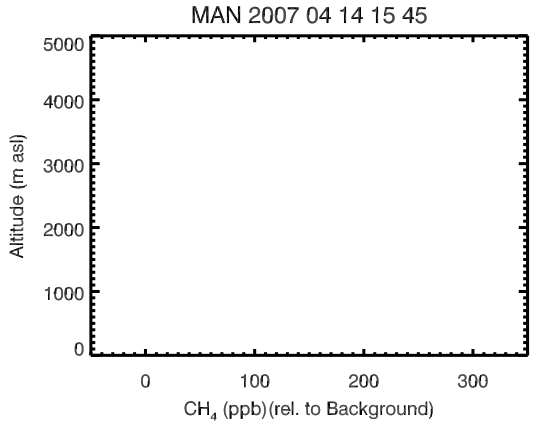

CO (ppb) (rel. to Background)
300
200
100
0
0
100
200
300
CH4 (ppb) (rel. to Background)

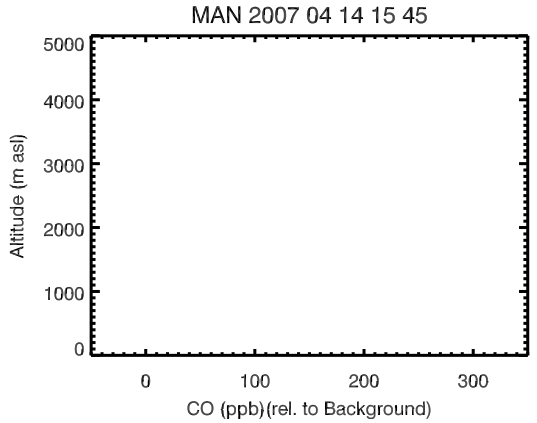

CH4 (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

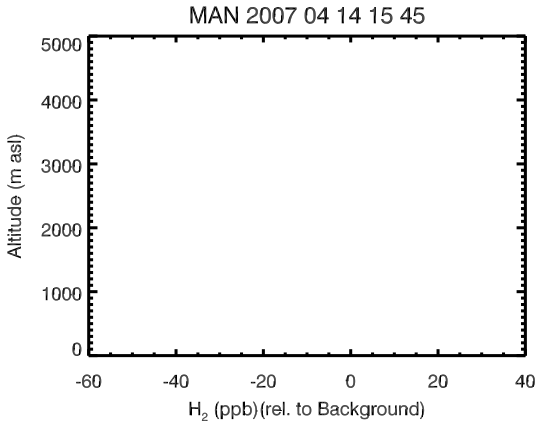

CO (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

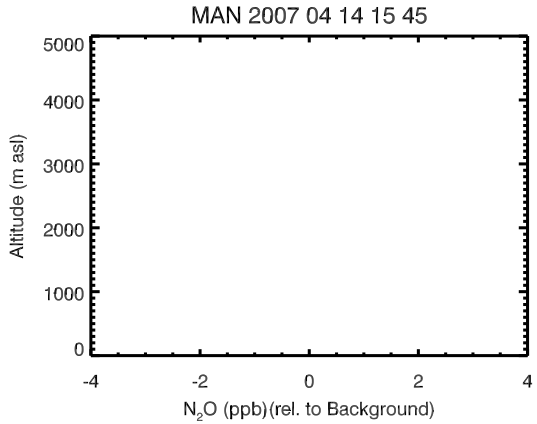
MAN 2007 04 03 17 01
Altitude (m asl)
CO (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)
CH4 (ppb) (rel. to Background)
H2 (ppb) (rel. to Background)
N2O (ppb) (rel. to Background)
SF6 (ppt) (rel. to Background)
43.22
56.26
-2.50
2.83
0.00
0.58
0.59

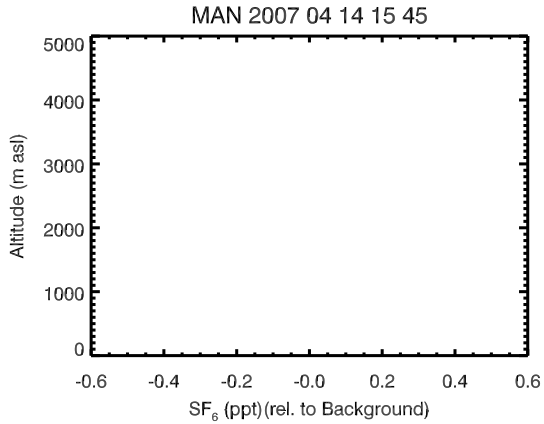

MAN 2007 04 14 15 45
Altitude (m asl)
5000
4000
3000
2000
1000
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

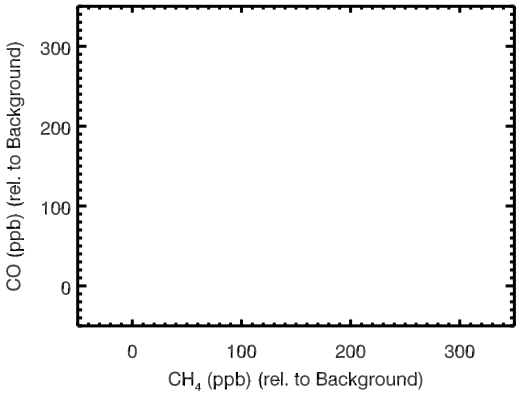

MAN 2007 04 14 15 45
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CH4 (ppb) (rel. to Background)

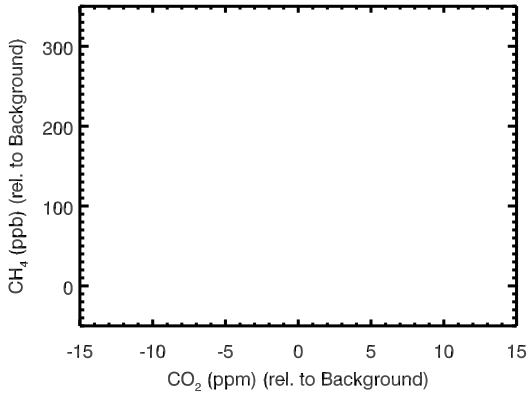

MAN 2007 04 14 15 45
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CO (ppb) (rel. to Background)

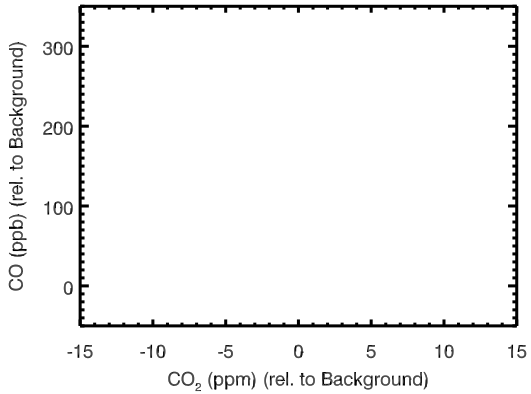

MAN 2007 04 14 15 45
Altitude (m asl)
5000
4000
3000
2000
1000
0
-60
-40
-20
0
20
40
H2 (ppb) (rel. to Background)

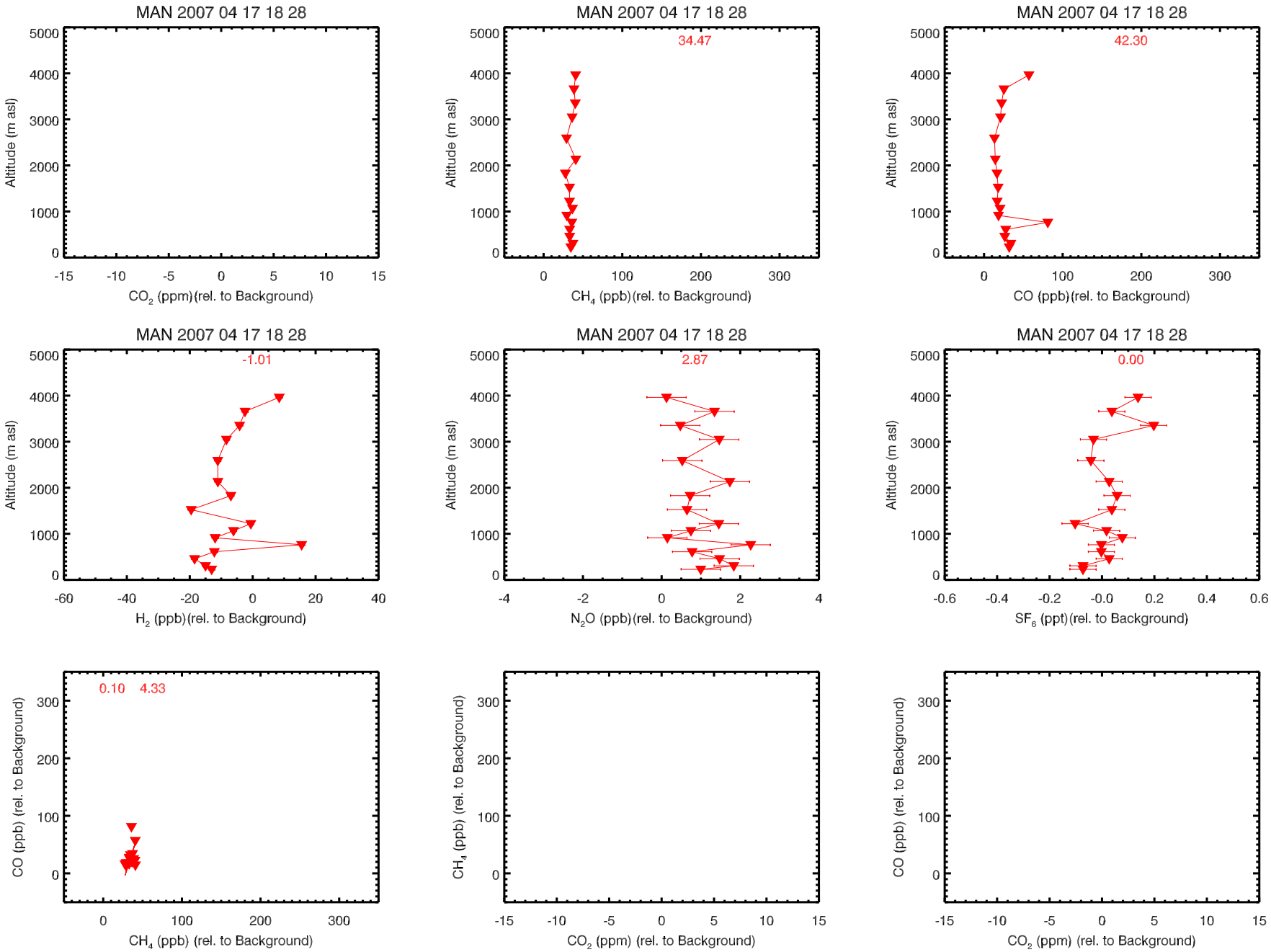

MAN 2007 04 14 15 45
Altitude (m asl)
5000
4000
3000
2000
1000
0
-4
-2
0
2
4
N2O (ppb) (rel. to Background)

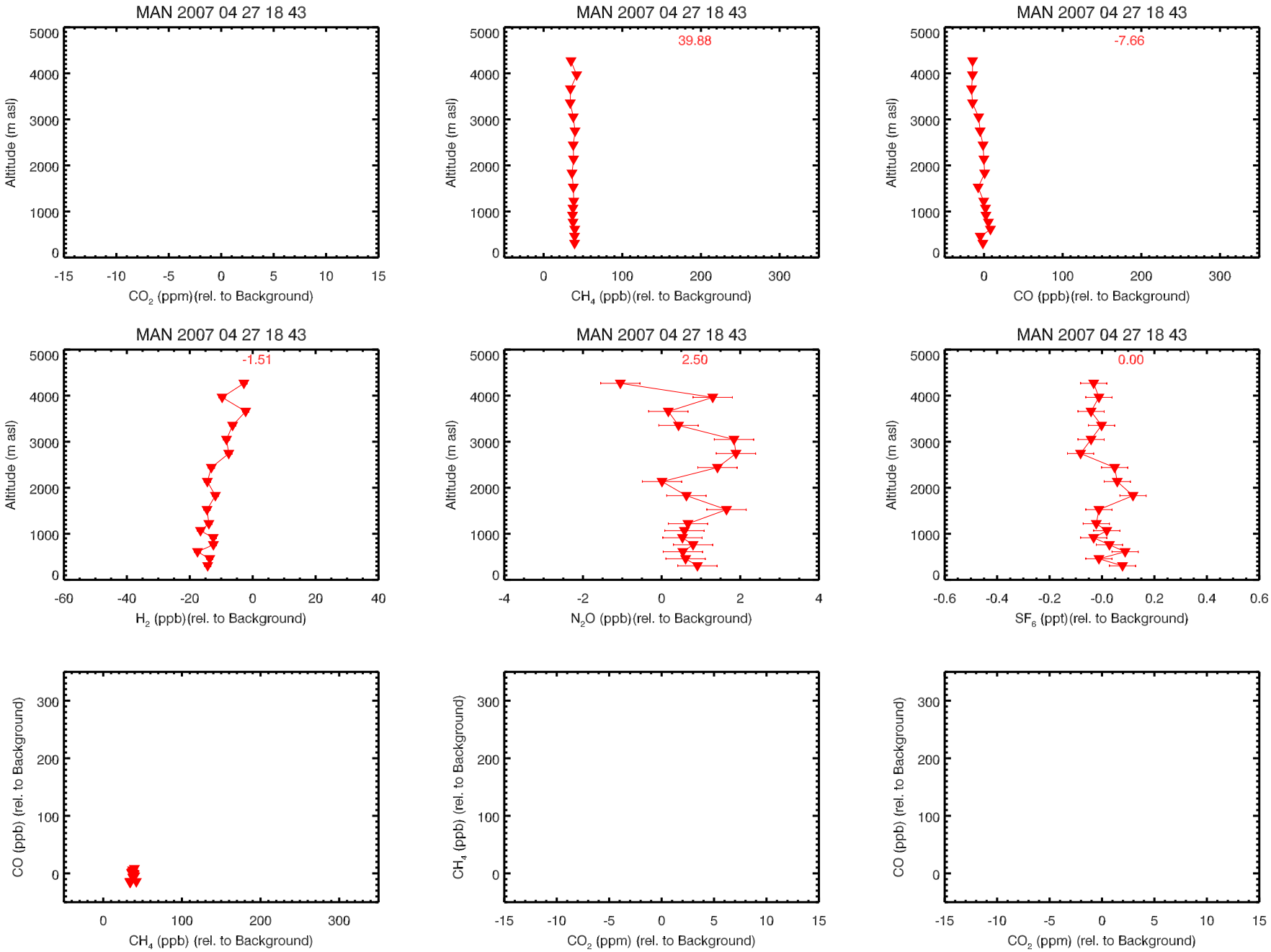

MAN 2007 04 14 15 45
Altitude (m asl)
5000
4000
3000
2000
1000
0
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
SF6 (ppt) (rel. to Background)

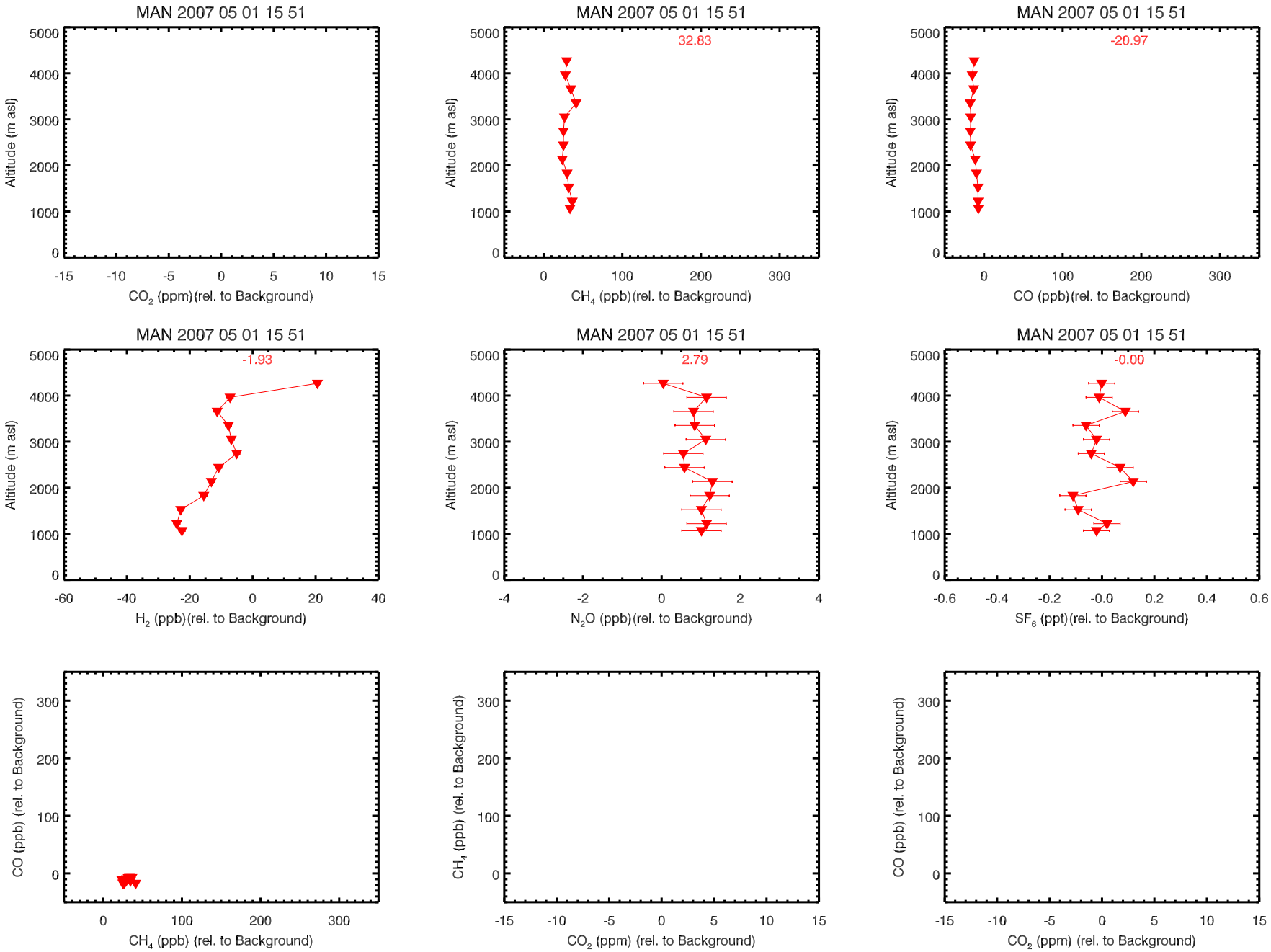

CO (ppb) (rel. to Background)
300
200
100
0
0
100
200
300
CH4 (ppb) (rel. to Background)

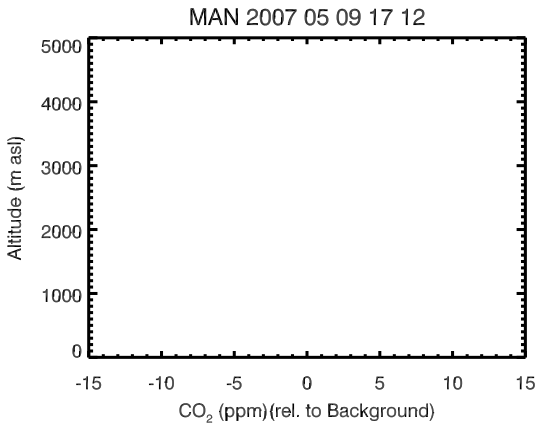

CH4 (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

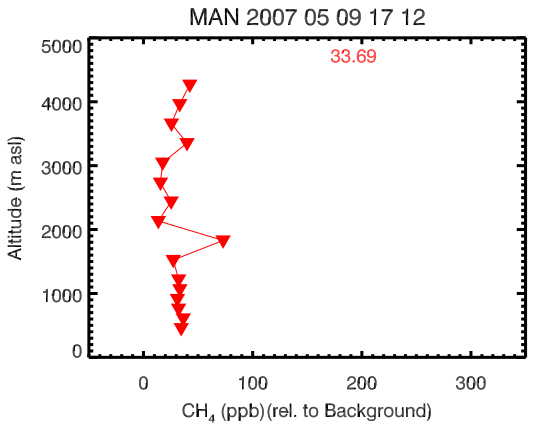

CO (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

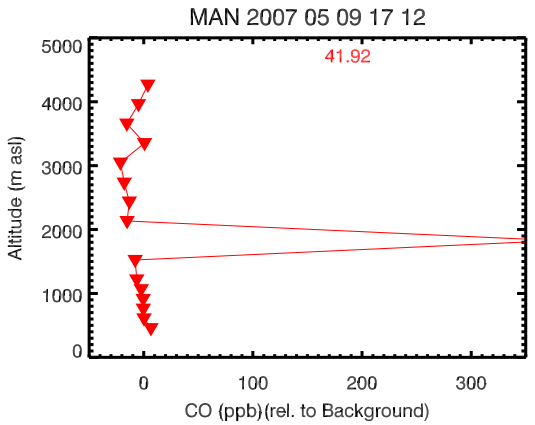

MAN 2007 04 17 18 28
Altitude (m asl)
CO2 (ppm)(rel. to Background)
MAN 2007 04 17 18 28
34.47
Altitude (m asl)
CH4 (ppb)(rel. to Background)
MAN 2007 04 17 18 28
42.30
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2007 04 17 18 28
-1.01
Altitude (m asl)
H2 (ppb)(rel. to Background)
MAN 2007 04 17 18 28
2.87
Altitude (m asl)
N2O (ppb)(rel. to Background)
MAN 2007 04 17 18 28
0.00
Altitude (m asl)
SF6 (ppt)(rel. to Background)
0.10 4.33
CO (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)

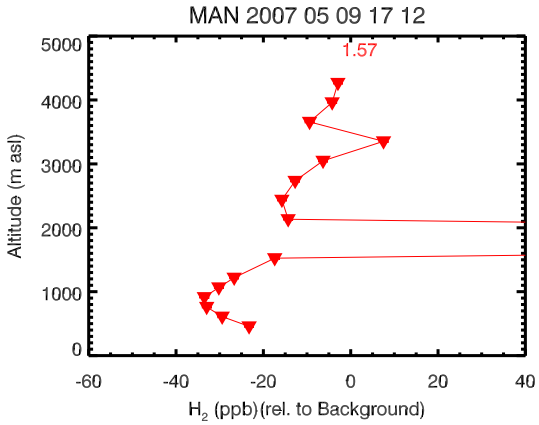

MAN 2007 04 27 18 43
Altitude (m asl)
CO_2 (ppm)(rel. to Background)
MAN 2007 04 27 18 43
39.88
Altitude (m asl)
CH_4 (ppb)(rel. to Background)
MAN 2007 04 27 18 43
-7.66
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2007 04 27 18 43
-1.51
Altitude (m asl)
H_2 (ppb)(rel. to Background)
MAN 2007 04 27 18 43
2.50
Altitude (m asl)
N_2O (ppb)(rel. to Background)
MAN 2007 04 27 18 43
0.00
Altitude (m asl)
SF_6 (ppt)(rel. to Background)
CO (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)

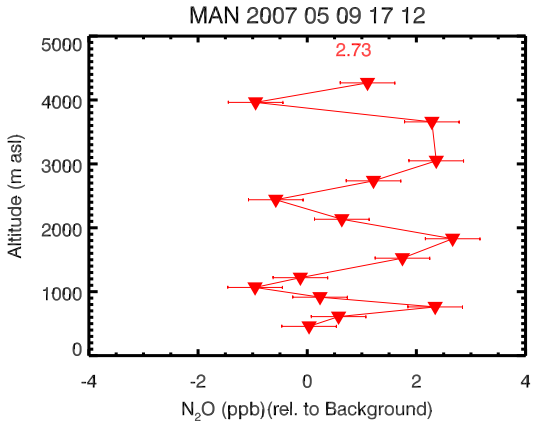

MAN 2007 05 01 15 51
Altitude (m asl)
CO2 (ppm)(rel. to Background)
MAN 2007 05 01 15 51
32.83
Altitude (m asl)
CH4 (ppb)(rel. to Background)
MAN 2007 05 01 15 51
-20.97
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2007 05 01 15 51
-1.93
Altitude (m asl)
H2 (ppb)(rel. to Background)
MAN 2007 05 01 15 51
2.79
Altitude (m asl)
N2O (ppb)(rel. to Background)
MAN 2007 05 01 15 51
-0.00
Altitude (m asl)
SF6 (ppt)(rel. to Background)
CO (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)

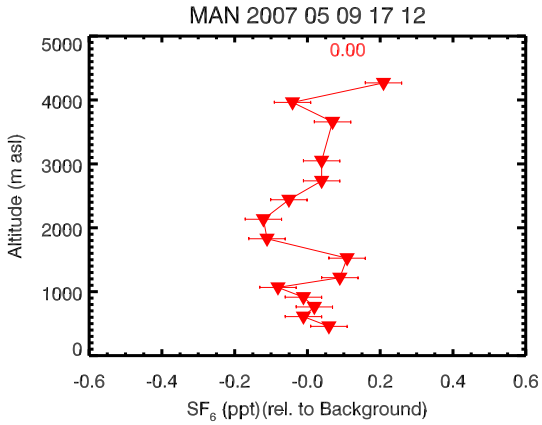

MAN 2007 05 09 17 12
Altitude (m asl)
5000
4000
3000
2000
1000
0
-15
-10
-5
0
5
10
15
CO2 (ppm)(rel. to Background)

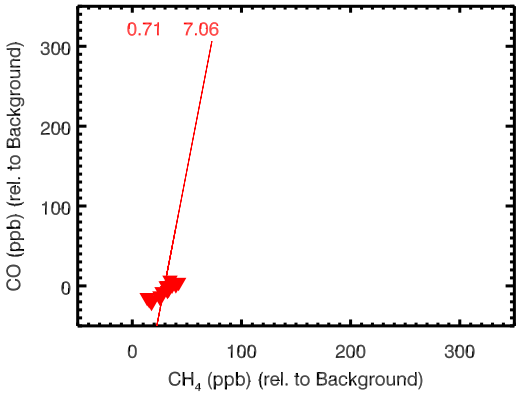

MAN 2007 05 09 17 12
33.69
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CH4 (ppb)(rel. to Background)

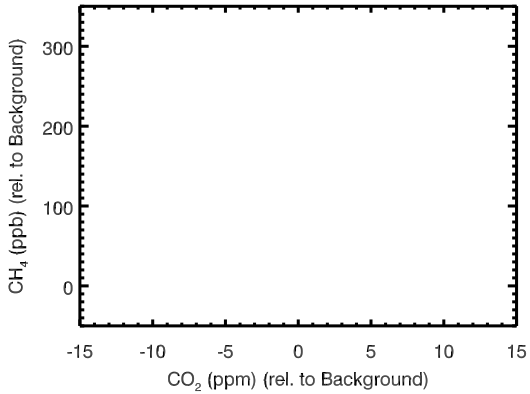

MAN 2007 05 09 17 12
41.92
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CO (ppb)(rel. to Background)

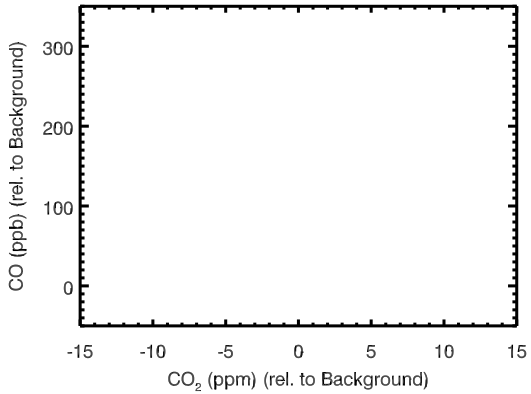

MAN 2007 05 09 17 12
1.57
Altitude (m asl)
5000
4000
3000
2000
1000
0
-60
-40
-20
0
20
40
H2 (ppb)(rel. to Background)

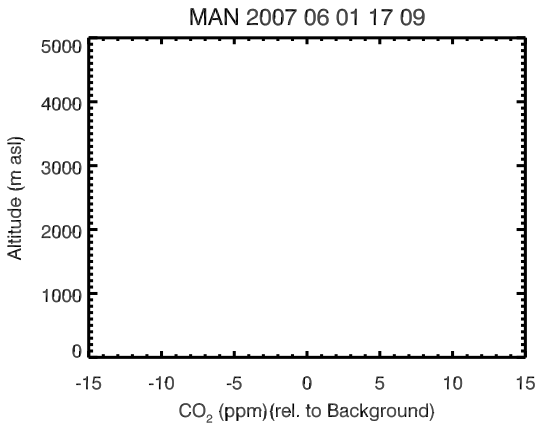

MAN 2007 05 09 17 12
2.73
Altitude (m asl)
5000
4000
3000
2000
1000
0
-4
-2
0
2
4
N2O (ppb)(rel. to Background)

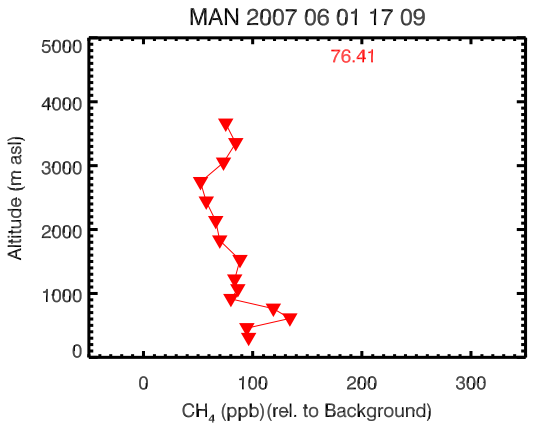

MAN 2007 05 09 17 12
0.00
Altitude (m asl)
5000
4000
3000
2000
1000
0
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
SF6 (ppt)(rel. to Background)

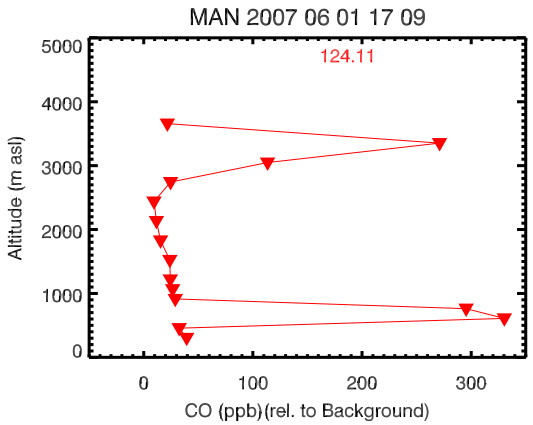

0.71
7.06
CO (ppb) (rel. to Background)
300
200
100
0
0
100
200
300
CH4 (ppb) (rel. to Background)

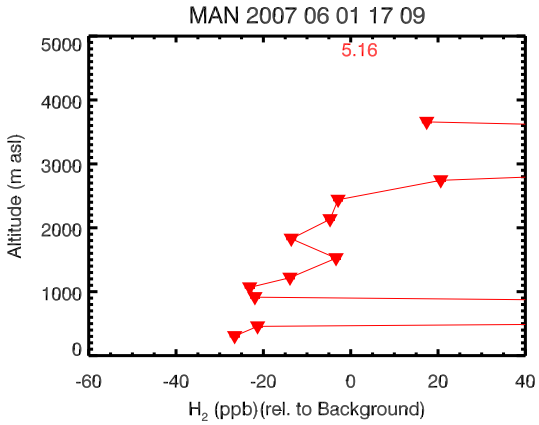

CH4 (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

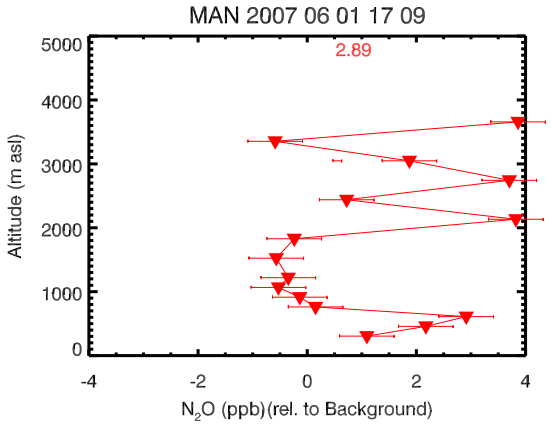

CO (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

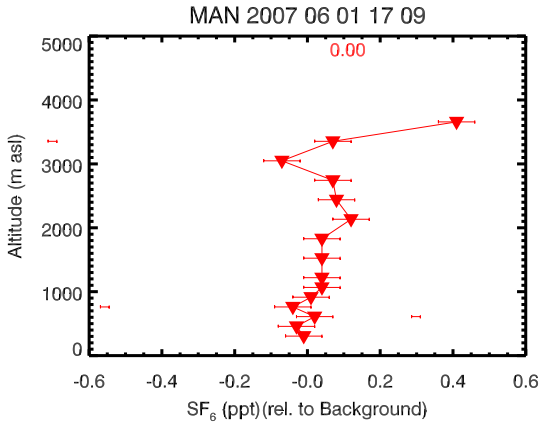

MAN 2007 06 01 17 09
Altitude (m asl)
5000
4000
3000
2000
1000
0
-15
-10
-5
0
5
10
15
CO2 (ppm)(rel. to Background)

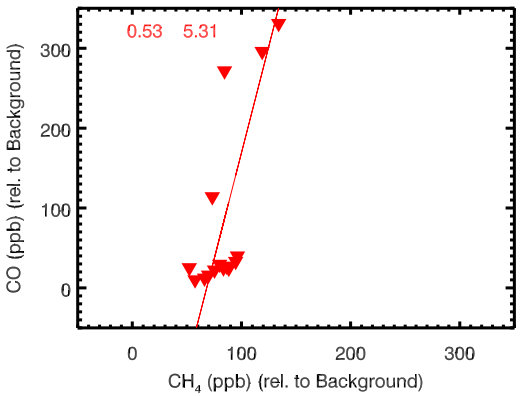

MAN 2007 06 01 17 09
76.41
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CH4 (ppb)(rel. to Background)

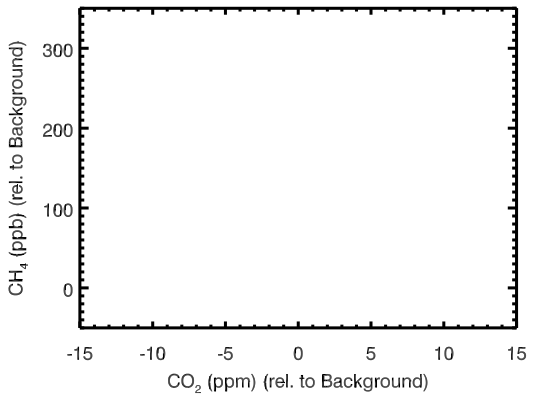

MAN 2007 06 01 17 09
124.11
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CO (ppb)(rel. to Background)

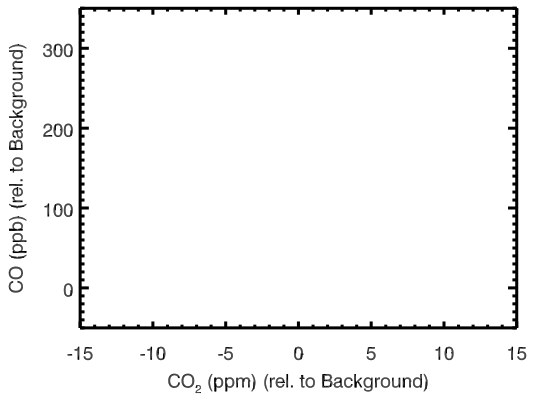

MAN 2007 06 01 17 09
5.16
Altitude (m asl)
5000
4000
3000
2000
1000
0
-60
-40
-20
0
20
40
H2 (ppb)(rel. to Background)

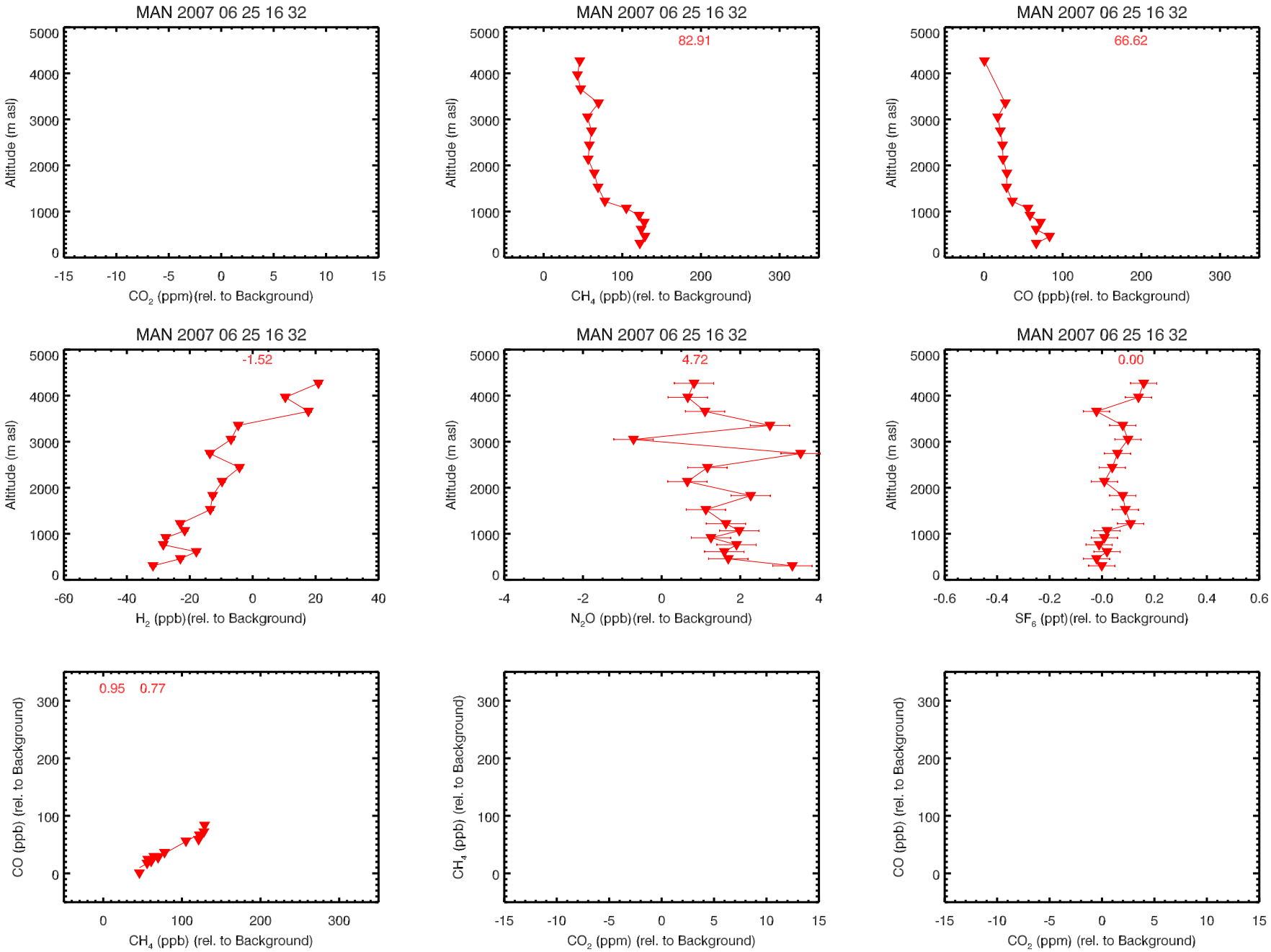

MAN 2007 06 01 17 09
2.89
Altitude (m asl)
5000
4000
3000
2000
1000
0
-4
-2
0
2
4
N2O (ppb)(rel. to Background)

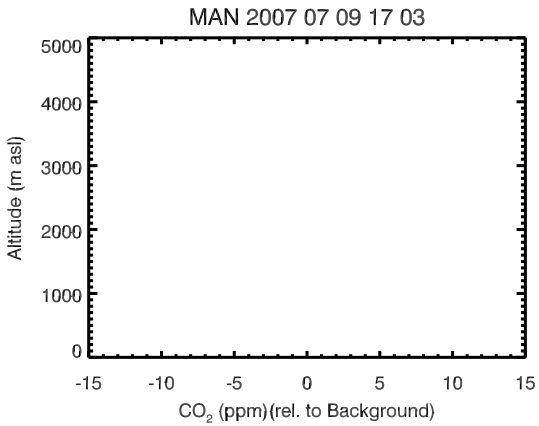

MAN 2007 06 01 17 09
0.00
Altitude (m asl)
5000
4000
3000
2000
1000
0
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
SF6 (ppt)(rel. to Background)

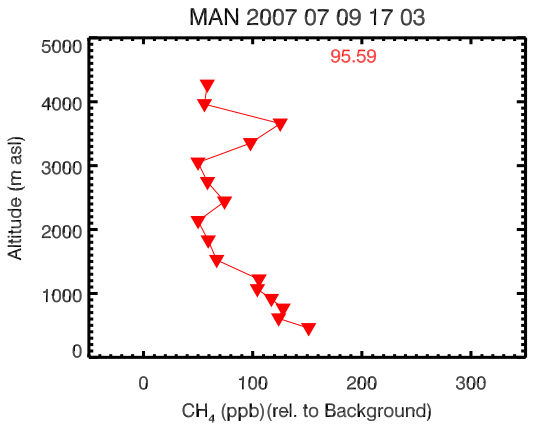

0.53
5.31
CO (ppb) (rel. to Background)
300
200
100
0
0
100
200
300
CH4 (ppb) (rel. to Background)

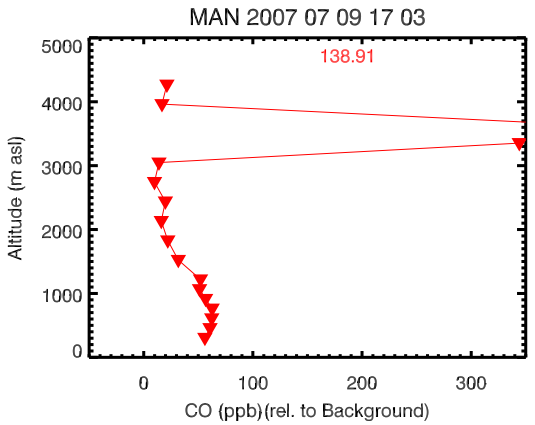

CH4 (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

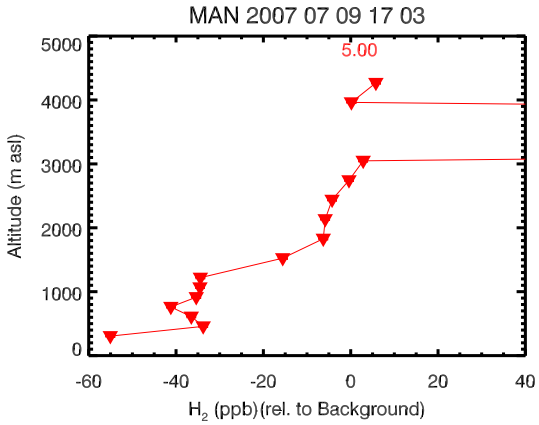

CO (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

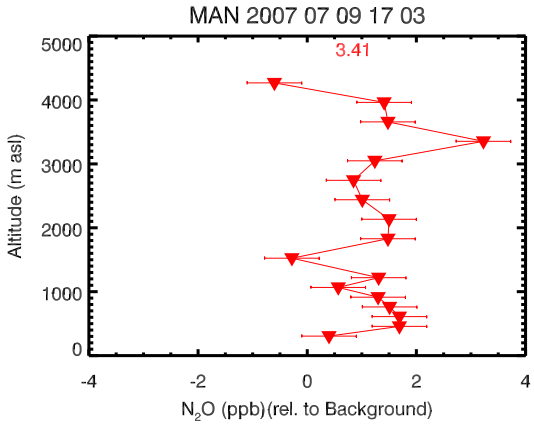

MAN 2007 06 25 16 32
Altitude (m asl)
CO2 (ppm)(rel. to Background)
MAN 2007 06 25 16 32
82.91
CH4 (ppb)(rel. to Background)
MAN 2007 06 25 16 32
66.62
CO (ppb)(rel. to Background)
MAN 2007 06 25 16 32
-1.52
H2 (ppb)(rel. to Background)
MAN 2007 06 25 16 32
4.72
N2O (ppb)(rel. to Background)
MAN 2007 06 25 16 32
0.00
SF6 (ppt)(rel. to Background)
0.95 0.77
CO (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)

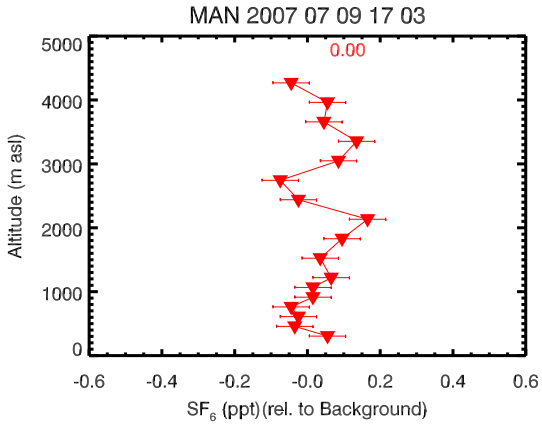

MAN 2007 07 09 17 03
Altitude (m asl)
5000
4000
3000
2000
1000
0
-15
-10
-5
0
5
10
15
CO2 (ppm)(rel. to Background)

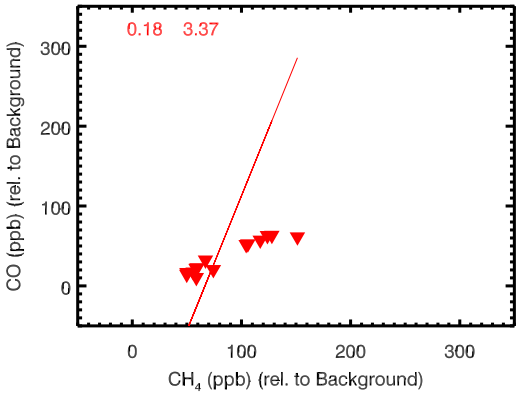

MAN 2007 07 09 17 03
95.59
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CH4 (ppb)(rel. to Background)

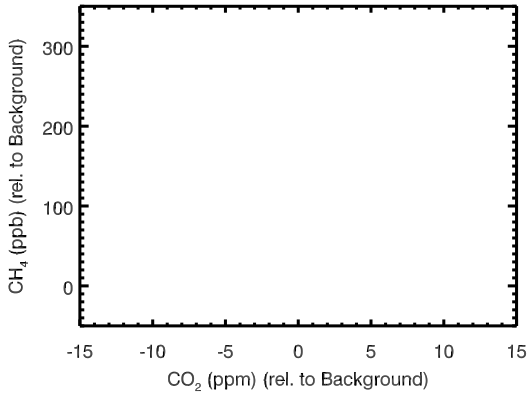

MAN 2007 07 09 17 03
138.91
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CO (ppb)(rel. to Background)

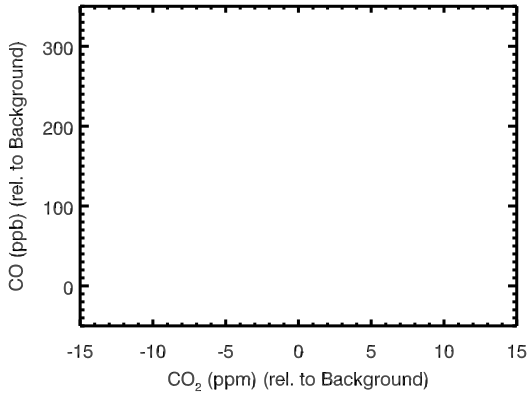

MAN 2007 07 09 17 03
5.00
Altitude (m asl)
5000
4000
3000
2000
1000
0
-60
-40
-20
0
20
40
H2 (ppb)(rel. to Background)

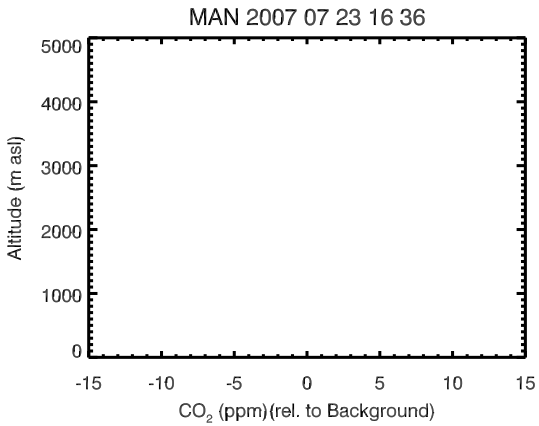

MAN 2007 07 09 17 03
3.41
Altitude (m asl)
5000
4000
3000
2000
1000
0
-4
-2
0
2
4
N2O (ppb)(rel. to Background)

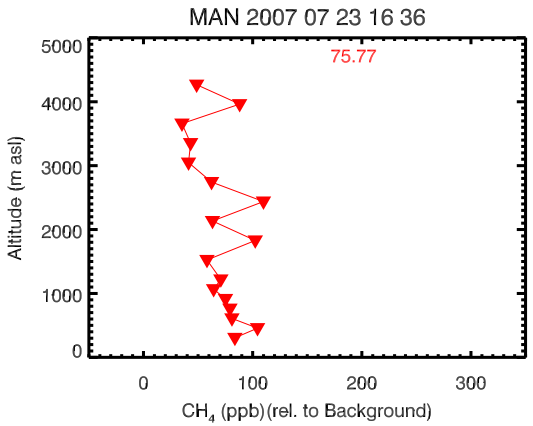

MAN 2007 07 09 17 03
0.00
Altitude (m asl)
5000
4000
3000
2000
1000
0
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
SF6 (ppt)(rel. to Background)

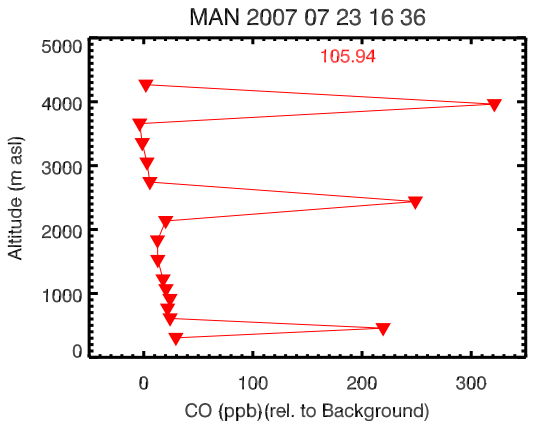

0.18
3.37
CO (ppb) (rel. to Background)
300
200
100
0
0
100
200
300
CH4 (ppb) (rel. to Background)

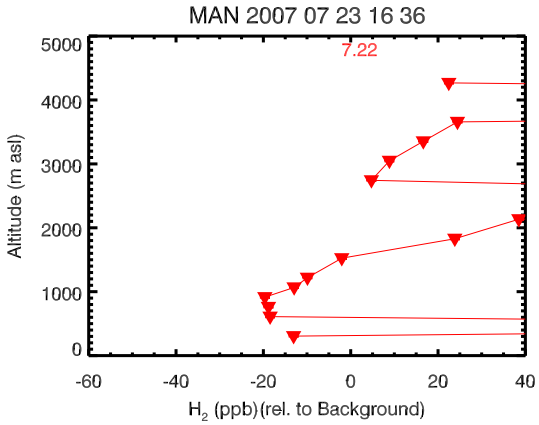

CH4 (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

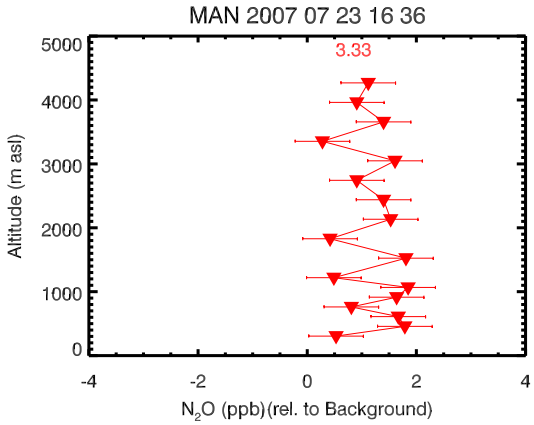

CO (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

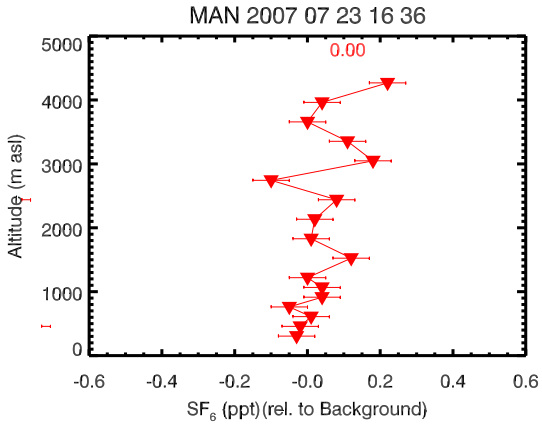

MAN 2007 07 23 16 36
Altitude (m asl)
5000
4000
3000
2000
1000
0
-15
-10
-5
0
5
10
15
CO2 (ppm)(rel. to Background)

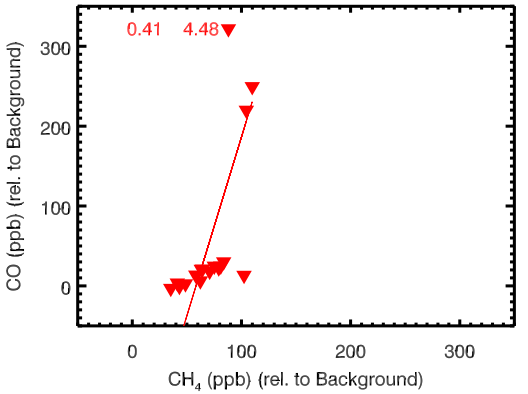

MAN 2007 07 23 16 36
75.77
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CH4 (ppb)(rel. to Background)

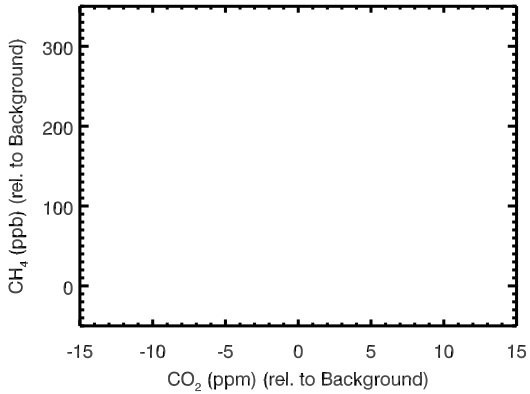

MAN 2007 07 23 16 36
105.94
Altitude (m asl)
5000
4000
3000
2000
1000
0
0
100
200
300
CO (ppb)(rel. to Background)

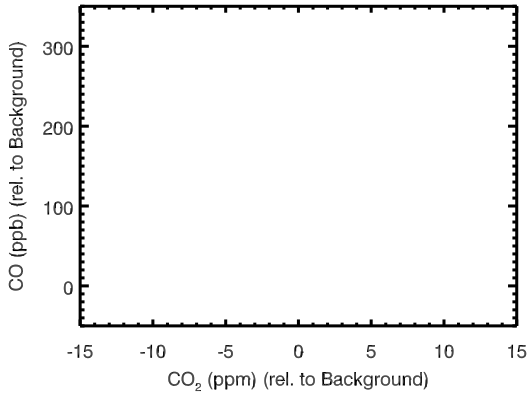

MAN 2007 07 23 16 36
7.22
Altitude (m asl)
5000
4000
3000
2000
1000
0
-60
-40
-20
0
20
40
H2 (ppb)(rel. to Background)

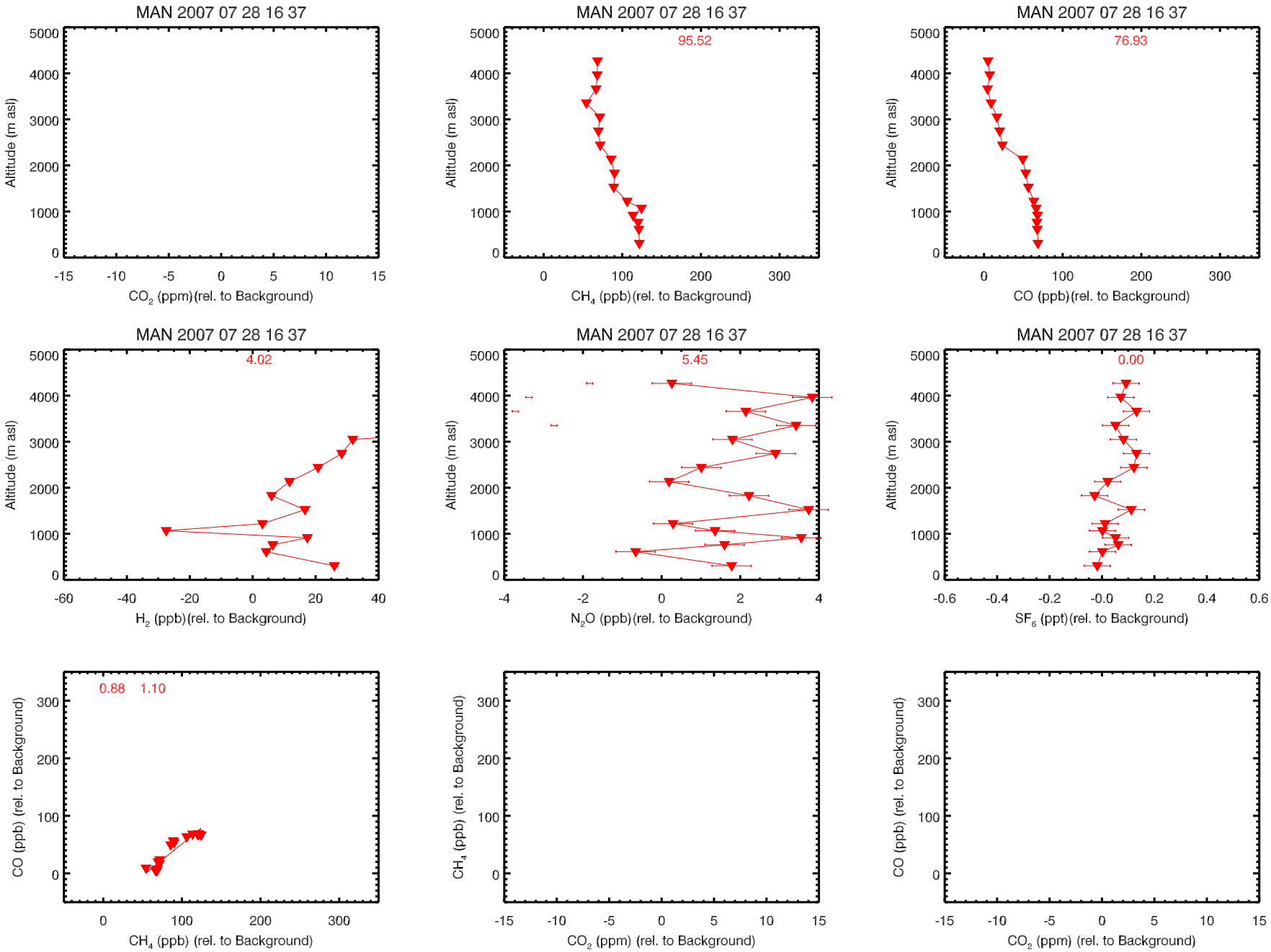

MAN 2007 07 23 16 36
3.33
Altitude (m asl)
5000
4000
3000
2000
1000
0
-4
-2
0
2
4
N2O (ppb)(rel. to Background)

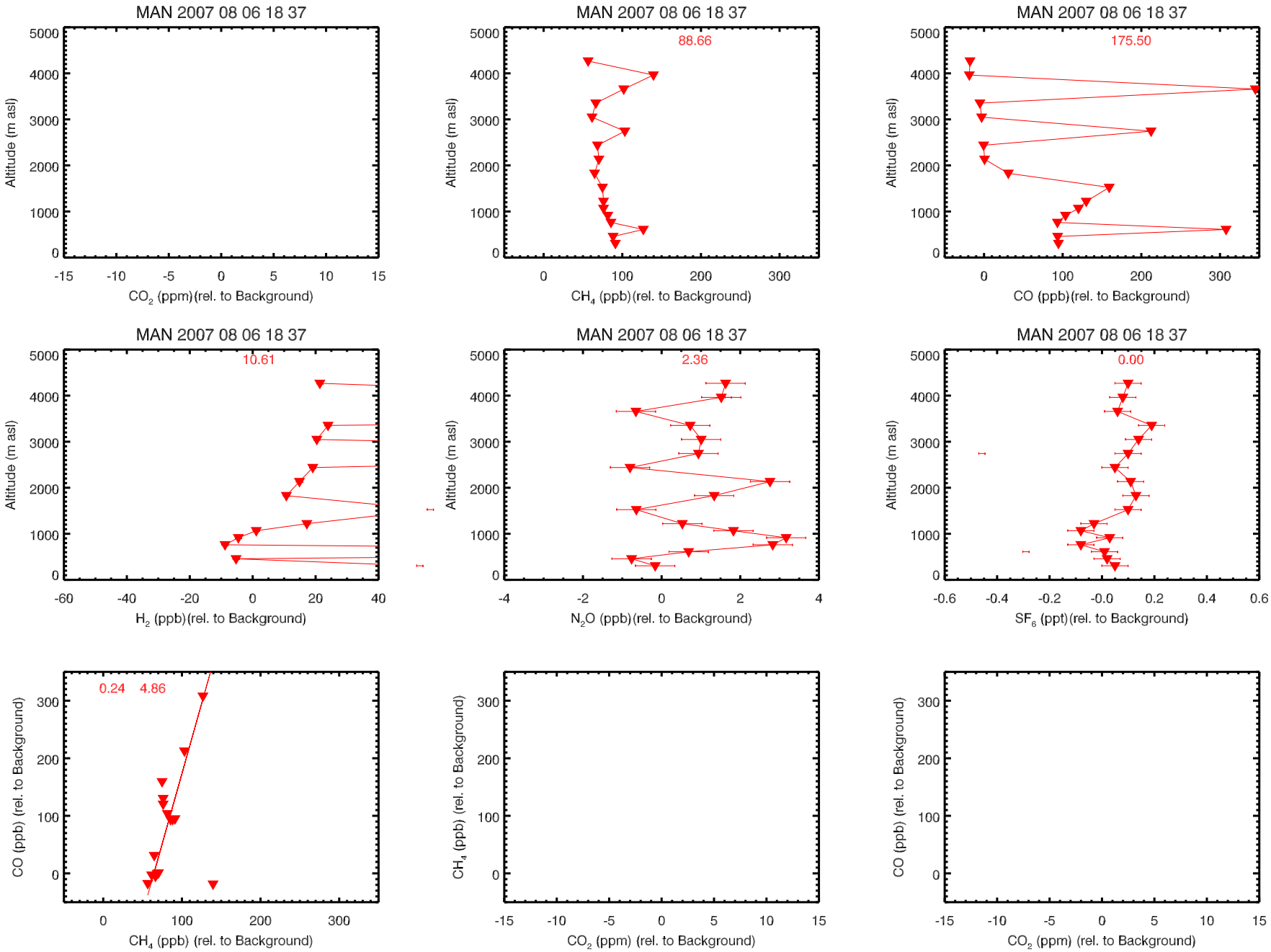

MAN 2007 07 23 16 36
0.00
Altitude (m asl)
5000
4000
3000
2000
1000
0
-0.6
-0.4
-0.2
-0.0
0.2
0.4
0.6
SF6 (ppt)(rel. to Background)


0.41
4.48
CO (ppb) (rel. to Background)
300
200
100
0
0
100
200
300
CH4 (ppb) (rel. to Background)

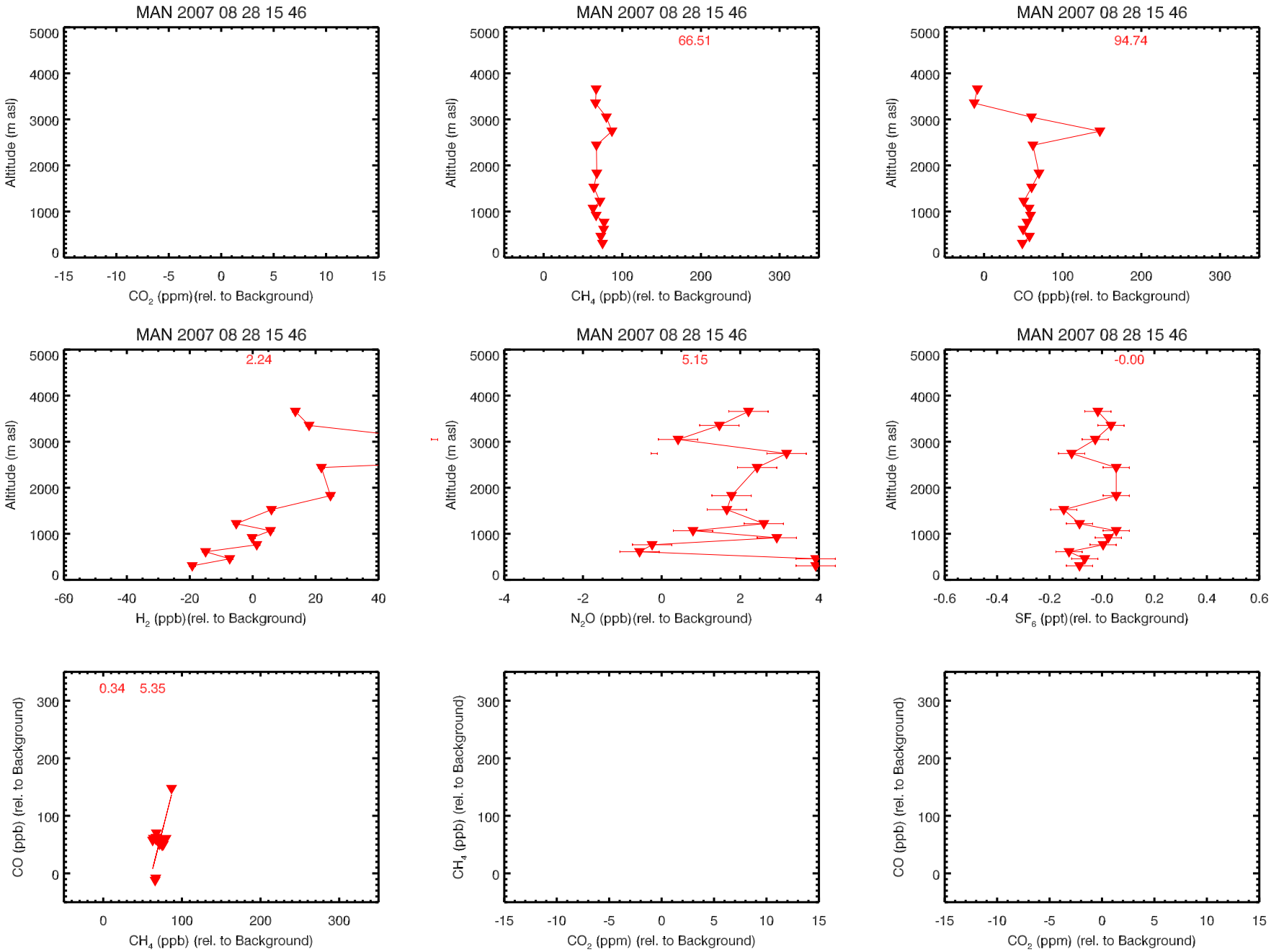

CH4 (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

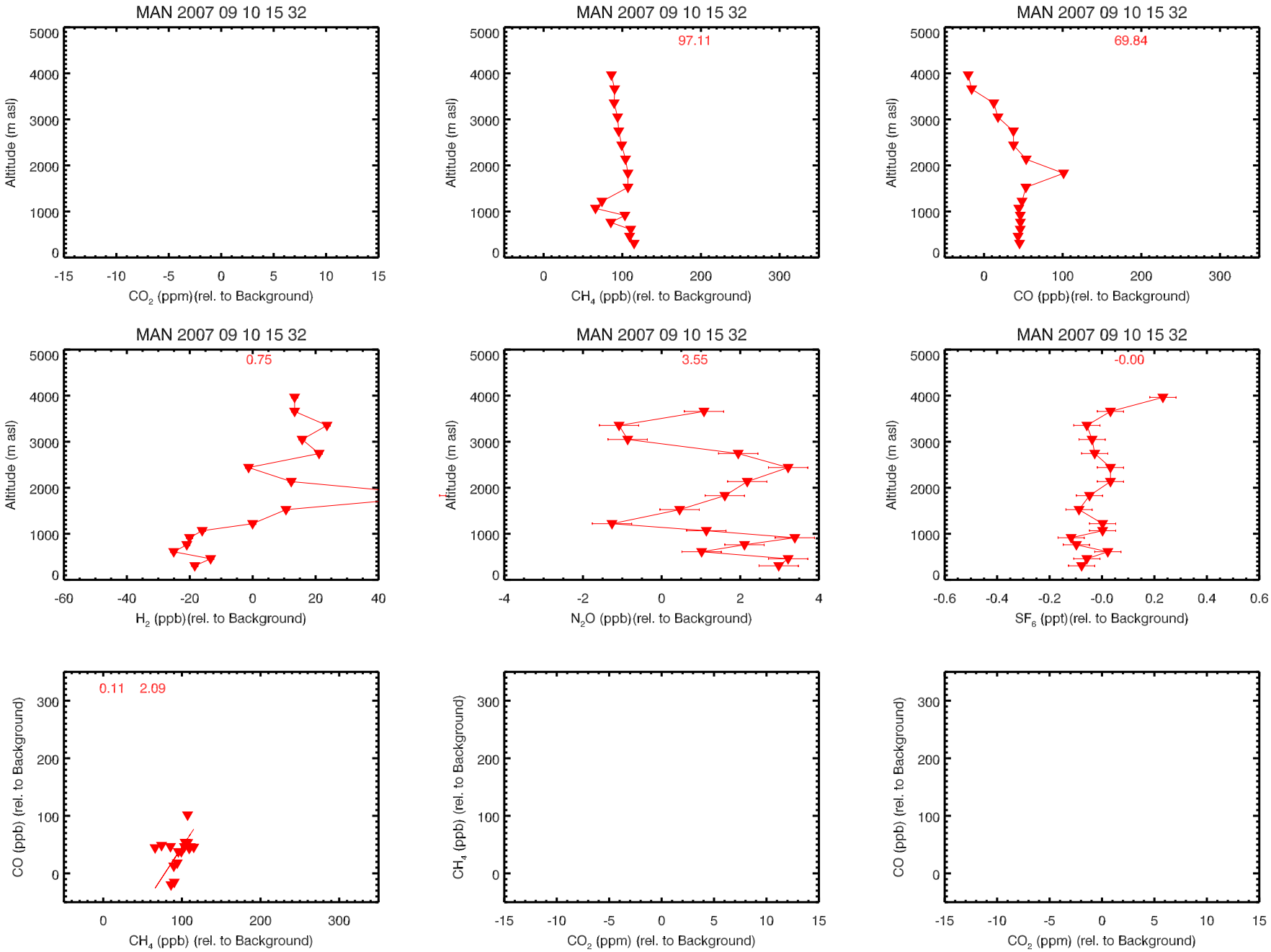

CO (ppb) (rel. to Background)
300
200
100
0
-15
-10
-5
0
5
10
15
CO2 (ppm) (rel. to Background)

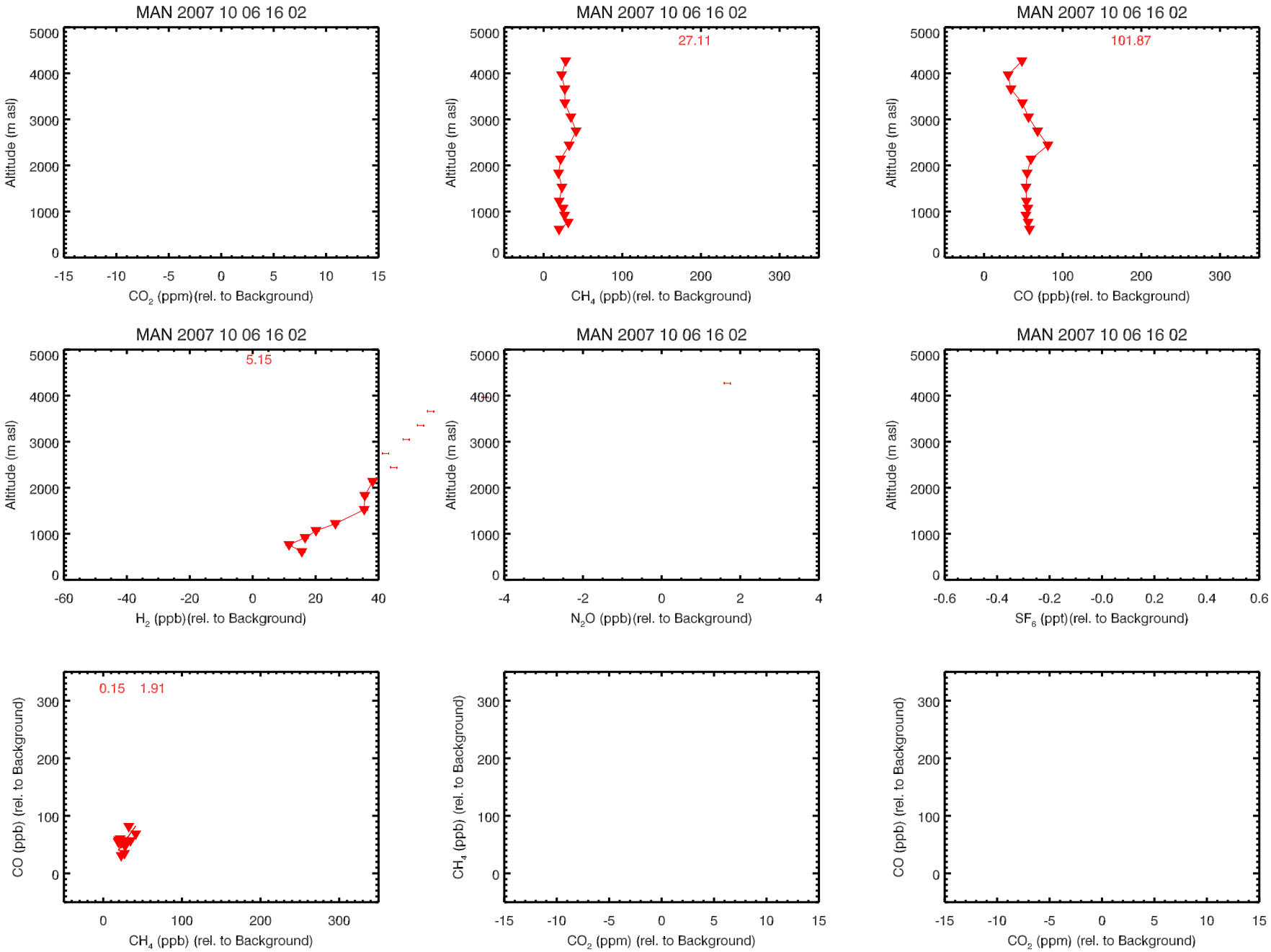

MAN 2007 07 28 16 37
Altitude (m asl)
CO_2 (ppm)(rel. to Background)
MAN 2007 07 28 16 37
95.52
Altitude (m asl)
CH_4 (ppb)(rel. to Background)
MAN 2007 07 28 16 37
76.93
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2007 07 28 16 37
4.02
Altitude (m asl)
H_2 (ppb)(rel. to Background)
MAN 2007 07 28 16 37
5.45
Altitude (m asl)
N_2O (ppb)(rel. to Background)
MAN 2007 07 28 16 37
0.00
Altitude (m asl)
SF_6 (ppt)(rel. to Background)
0.88 1.10
CO (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)

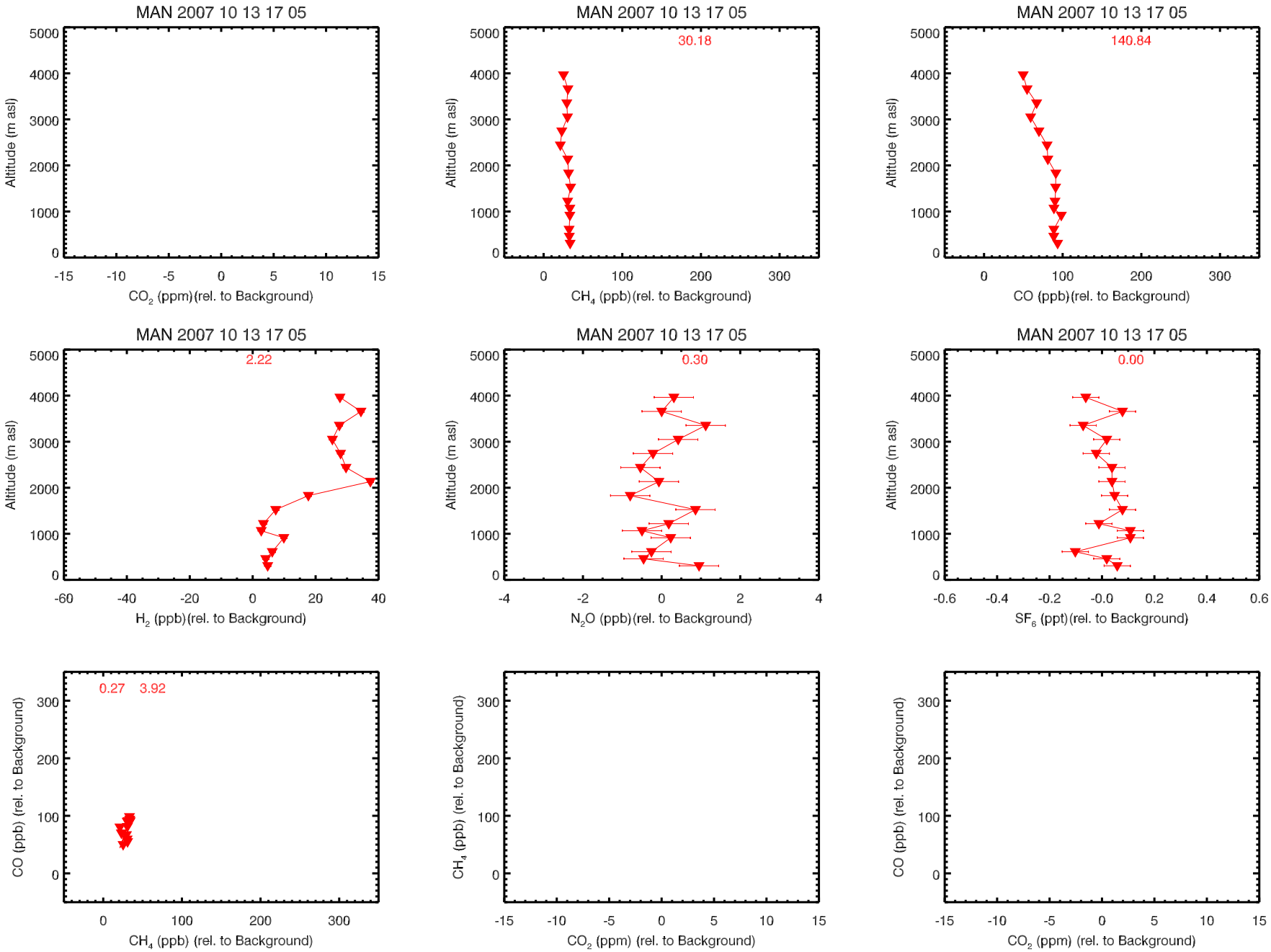

MAN 2007 08 06 18 37
Altitude (m asl)
CO_2 (ppm)(rel. to Background)
MAN 2007 08 06 18 37
88.66
CH_4 (ppb)(rel. to Background)
MAN 2007 08 06 18 37
175.50
CO (ppb)(rel. to Background)
MAN 2007 08 06 18 37
10.61
H_2 (ppb)(rel. to Background)
MAN 2007 08 06 18 37
2.36
N_2O (ppb)(rel. to Background)
MAN 2007 08 06 18 37
0.00
SF_6 (ppt)(rel. to Background)
0.24 4.86
CO (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)

MAN 2007 08 19 15 54
Altitude (m asl)
CO$_2$ (ppm)(rel. to Background)
MAN 2007 08 19 15 54
Altitude (m asl)
H$_2$ (ppb)(rel. to Background)
6.14
MAN 2007 08 19 15 54
Altitude (m asl)
CO (ppb) (rel. to Background)
MAN 2007 08 19 15 54
Altitude (m asl)
CO$_2$ (ppm) (rel. to Background)
MAN 2007 08 19 15 54
Altitude (m asl)
CH$_4$ (ppb)(rel. to Background)
111.97
MAN 2007 08 19 15 54
Altitude (m asl)
N$_2$O (ppb)(rel. to Background)
1.88
MAN 2007 08 19 15 54
Altitude (m asl)
CH$_4$ (ppb) (rel. to Background)
MAN 2007 08 19 15 54
Altitude (m asl)
CO$_2$ (ppm) (rel. to Background)
MAN 2007 08 19 15 54
Altitude (m asl)
CO (ppb)(rel. to Background)
273.58
MAN 2007 08 19 15 54
Altitude (m asl)
SF$_6$ (ppt)(rel. to Background)
0.00


MAN 2007 08 28 15 46
Altitude (m asl)
CO_2 (ppm)(rel. to Background)
MAN 2007 08 28 15 46
66.51
Altitude (m asl)
CH_4 (ppb)(rel. to Background)
MAN 2007 08 28 15 46
94.74
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2007 08 28 15 46
2.24
Altitude (m asl)
H_2 (ppb)(rel. to Background)
MAN 2007 08 28 15 46
5.15
Altitude (m asl)
N_2O (ppb)(rel. to Background)
MAN 2007 08 28 15 46
-0.00
Altitude (m asl)
SF_6 (ppt)(rel. to Background)
0.34 5.35
CO (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)


MAN 2007 09 10 15 32
Altitude (m asl)
CO_2 (ppm)(rel. to Background)
MAN 2007 09 10 15 32
97.11
Altitude (m asl)
CH_4 (ppb)(rel. to Background)
MAN 2007 09 10 15 32
69.84
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2007 09 10 15 32
0.75
Altitude (m asl)
H_2 (ppb)(rel. to Background)
MAN 2007 09 10 15 32
3.55
Altitude (m asl)
N_2O (ppb)(rel. to Background)
MAN 2007 09 10 15 32
-0.00
Altitude (m asl)
SF_6 (ppt)(rel. to Background)
0.11 2.09
CO (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)


MAN 2007 10 06 16 02
Altitude (m asl)
CO_2 (ppm)(rel. to Background)
MAN 2007 10 06 16 02
27.11
Altitude (m asl)
CH_4 (ppb)(rel. to Background)
MAN 2007 10 06 16 02
101.87
Altitude (m asl)
CO (ppb)(rel. to Background)
MAN 2007 10 06 16 02
5.15
Altitude (m asl)
H_2 (ppb)(rel. to Background)
MAN 2007 10 06 16 02
Altitude (m asl)
N_2O (ppb)(rel. to Background)
MAN 2007 10 06 16 02
Altitude (m asl)
SF_6 (ppt)(rel. to Background)
0.15 1.91
CO (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CH_4 (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO_2 (ppm) (rel. to Background)


MAN 2007 10 13 17 05
Altitude (m asl)
CO2 (ppm)(rel. to Background)
MAN 2007 10 13 17 05
30.18
CH4 (ppb)(rel. to Background)
MAN 2007 10 13 17 05
140.84
CO (ppb)(rel. to Background)
MAN 2007 10 13 17 05
2.22
H2 (ppb)(rel. to Background)
MAN 2007 10 13 17 05
0.30
N2O (ppb)(rel. to Background)
MAN 2007 10 13 17 05
0.00
SF6 (ppt)(rel. to Background)
0.27 3.92
CO (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CH4 (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)
CO (ppb) (rel. to Background)
CO2 (ppm) (rel. to Background)

MAN 2007 12 05 17 11
Altitude (m asl)
CO2 (ppm)(rel. to Background)
MAN 2007 12 05 17 11
Altitude (m asl)
H2 (ppb)(rel. to Background)
1.83
MAN 2007 12 05 17 11
Altitude (m asl)
CO (ppb) (rel. to Background)
0.12 0.74
MAN 2007 12 05 17 11
Altitude (m asl)
CH4 (ppb)(rel. to Background)
49.03
MAN 2007 12 05 17 11
Altitude (m asl)
N2O (ppb)(rel. to Background)
3.60
MAN 2007 12 05 17 11
Altitude (m asl)
CH4 (ppb) (rel. to Background)
MAN 2007 12 05 17 11
Altitude (m asl)
CO2 (ppm) (rel. to Background)
MAN 2007 12 05 17 11
Altitude (m asl)
CO (ppb)(rel. to Background)
22.45
MAN 2007 12 05 17 11
Altitude (m asl)
SF6 (ppt)(rel. to Background)
-0.00
MAN 2007 12 05 17 11
Altitude (m asl)
CO (ppb) (rel. to Background)