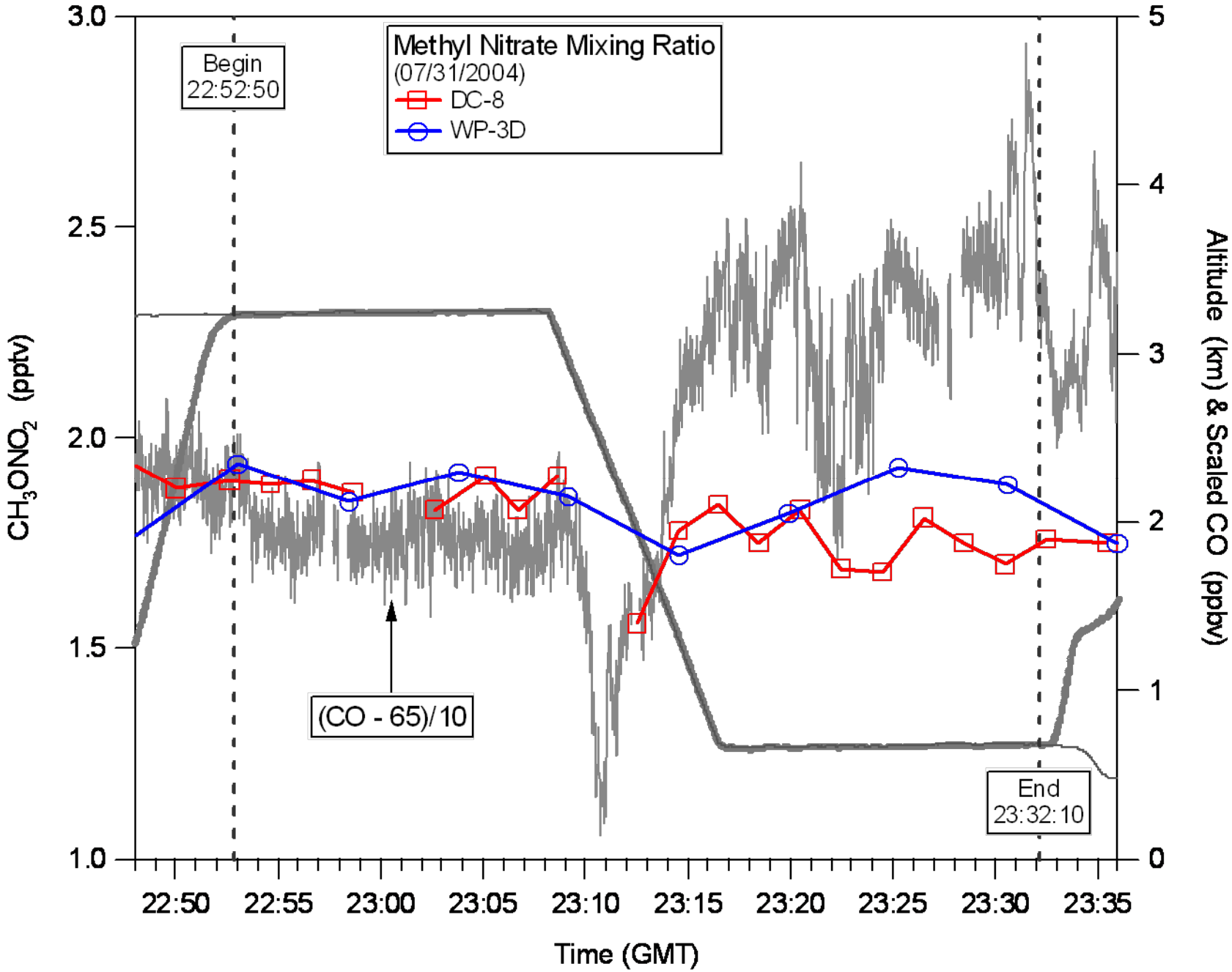
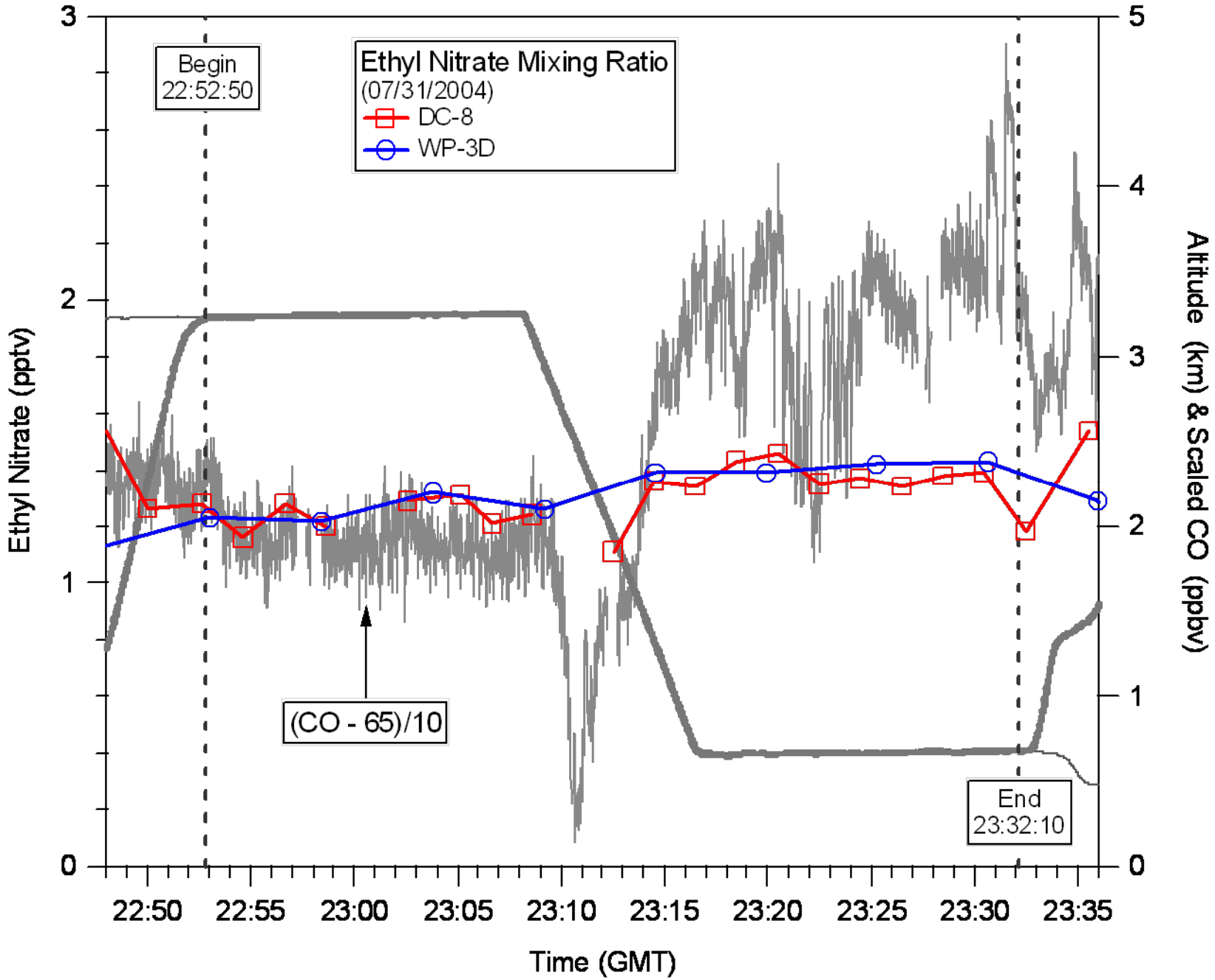
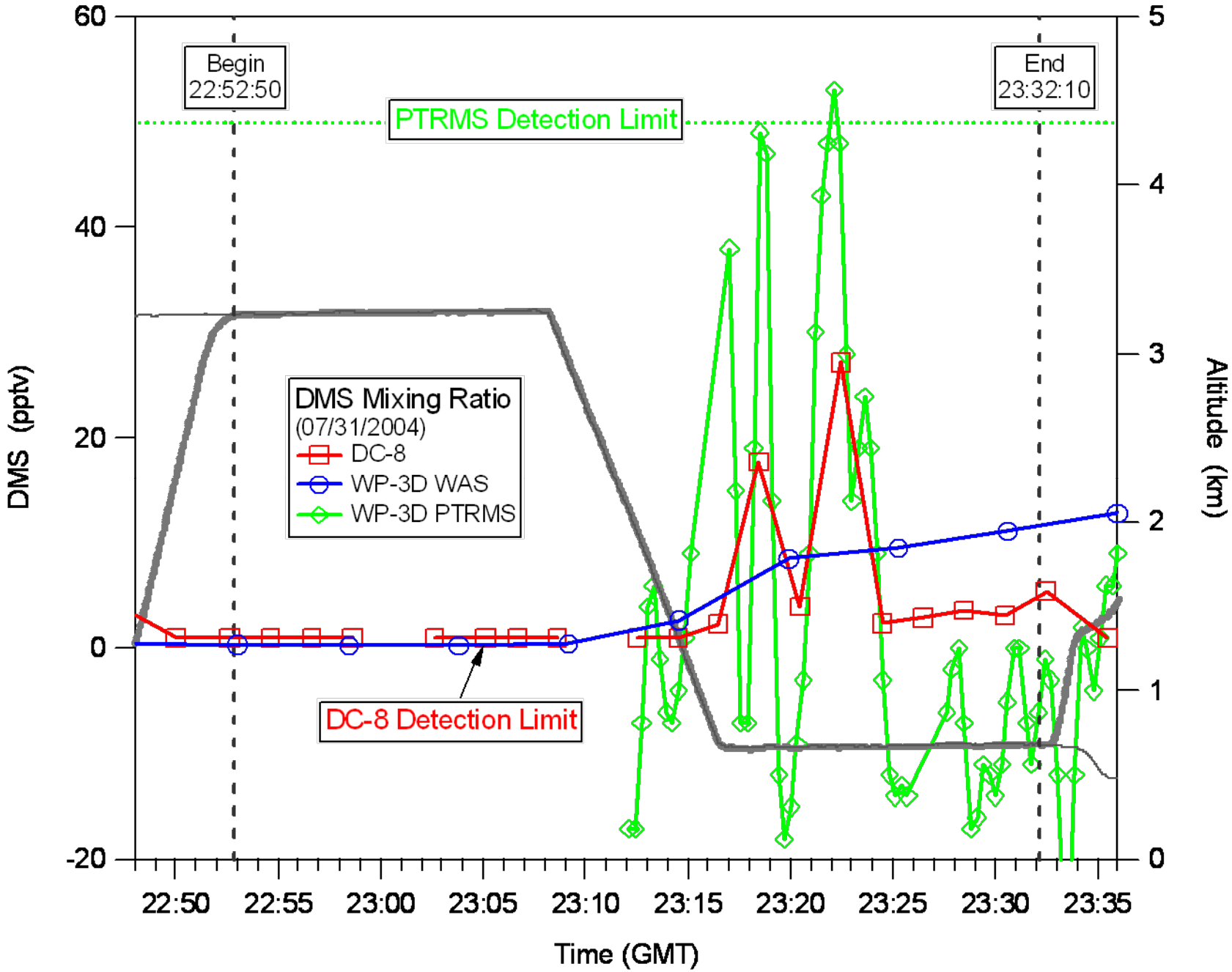
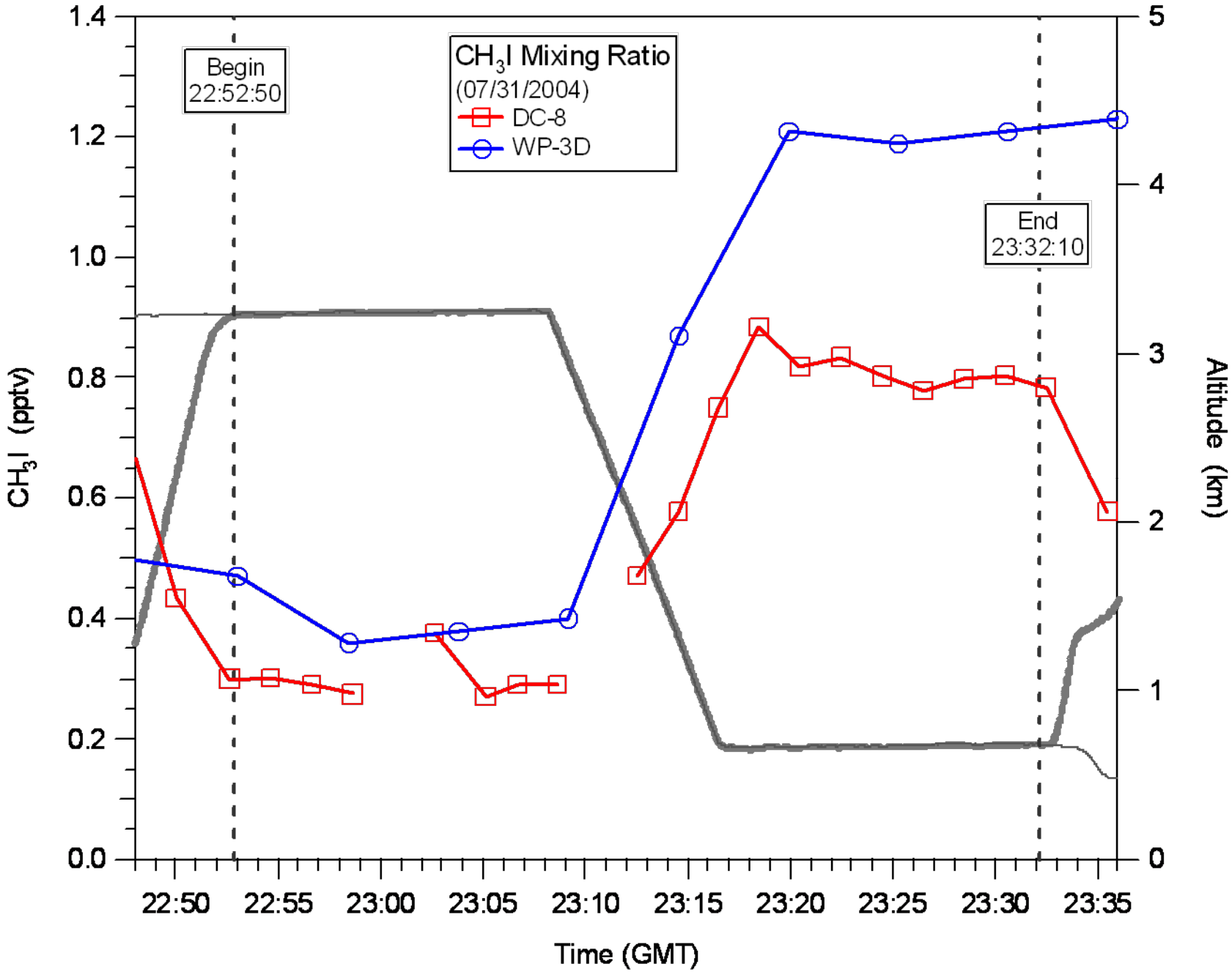
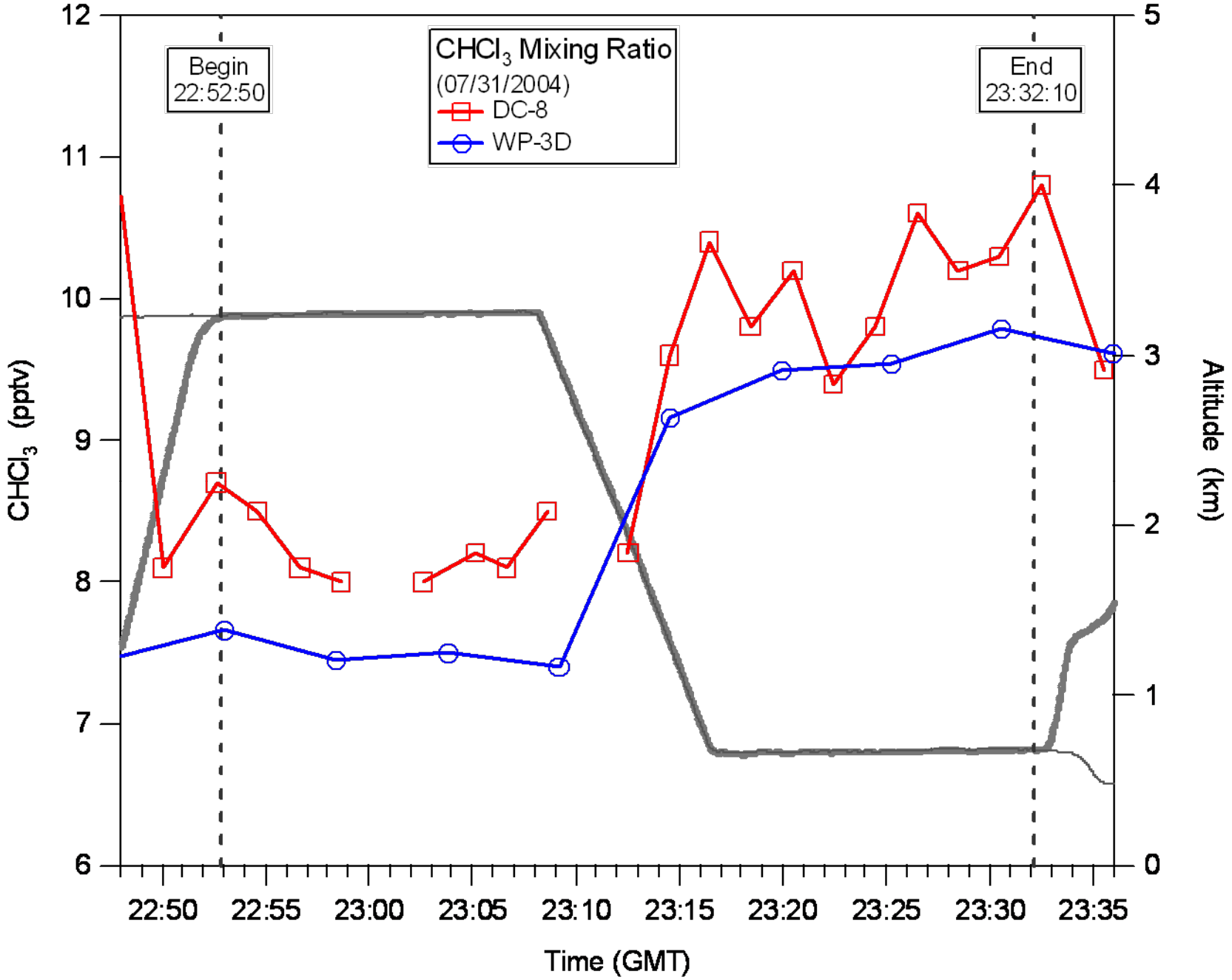
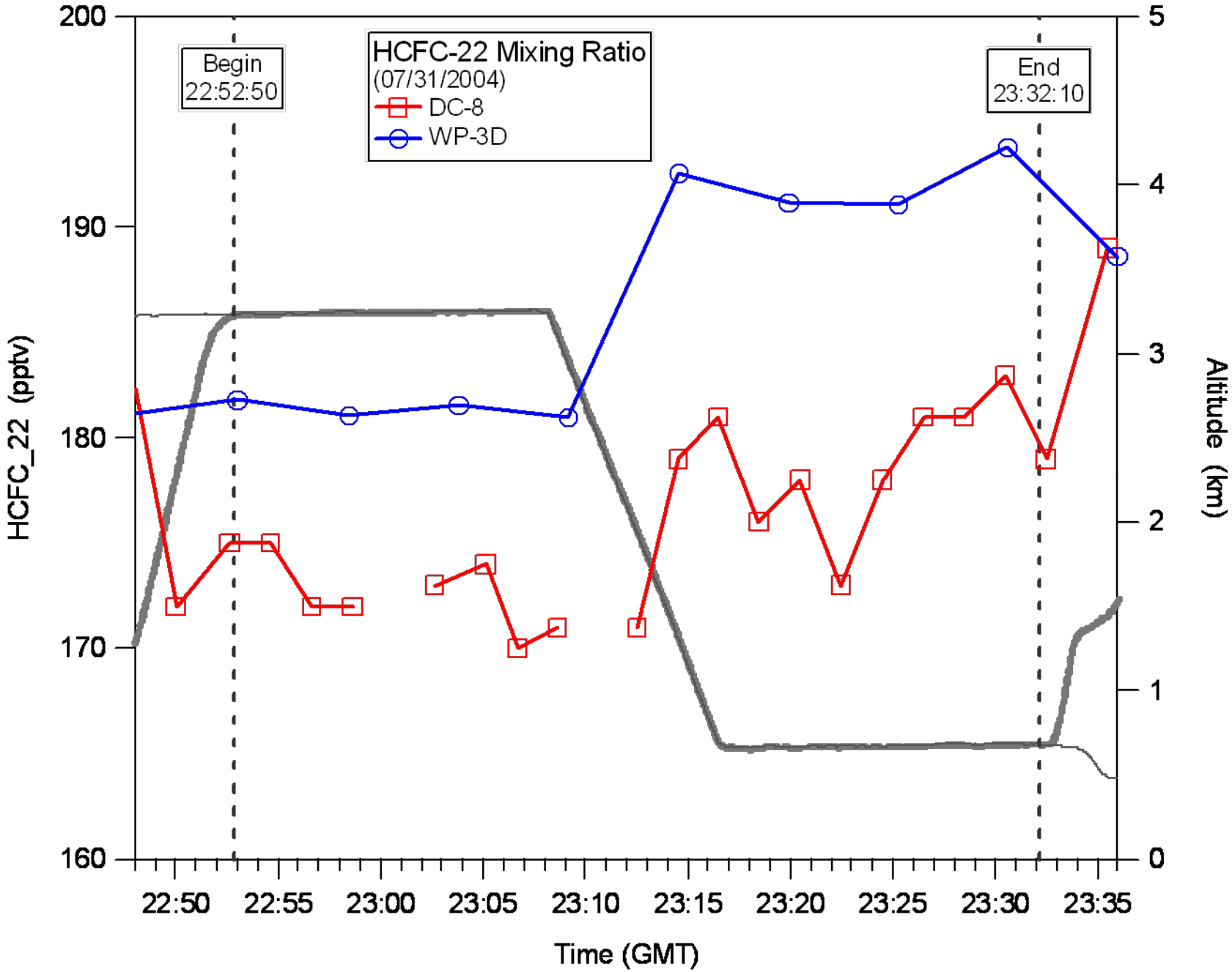

Methyl Nitrate Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
(CO - 65)/10
CH_3ONO_2 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
3.0
2.5
2.0
1.5
1.0
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

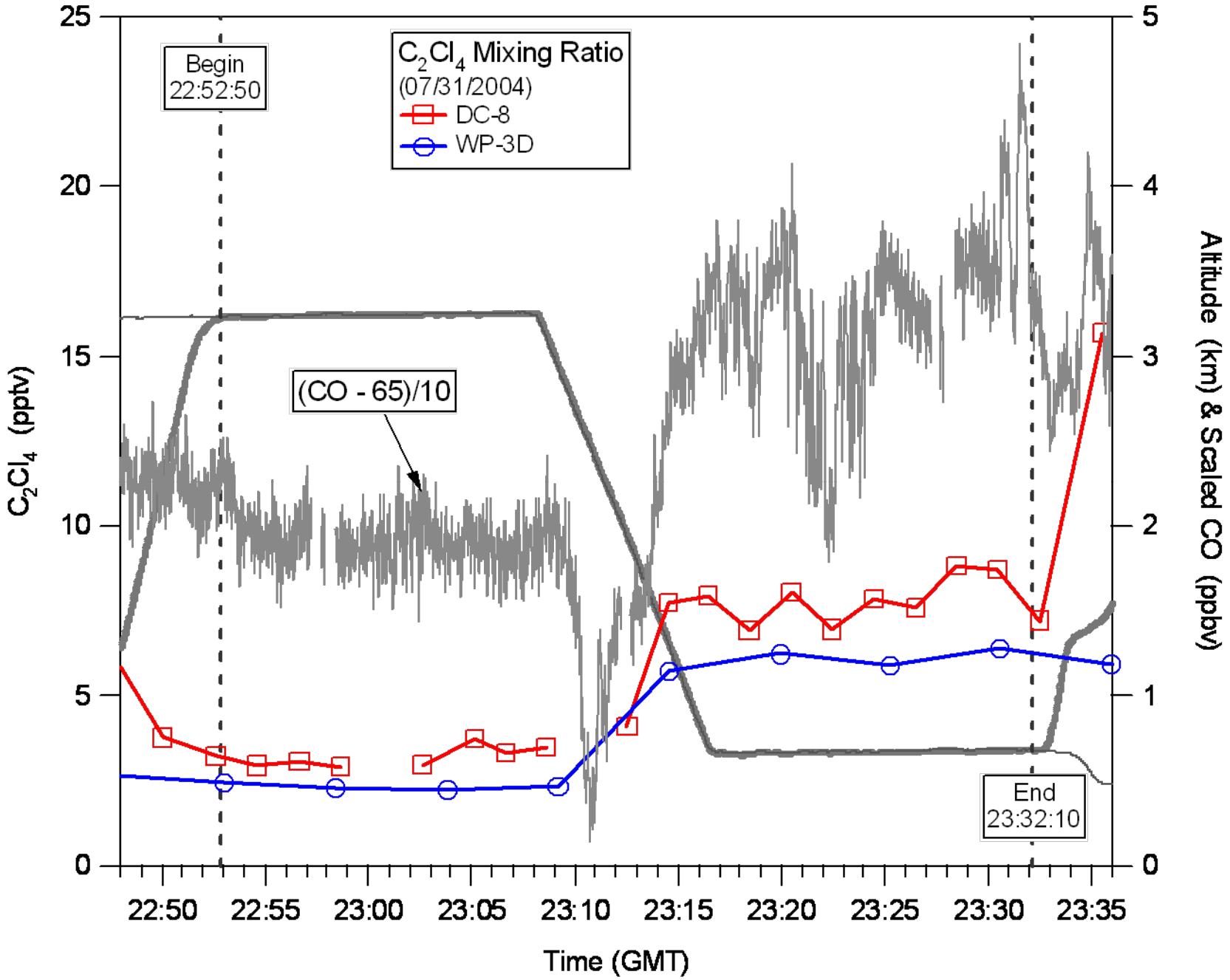

Ethyl Nitrate Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
(CO - 65)/10
Ethyl Nitrate (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
1
2
3
4
5
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

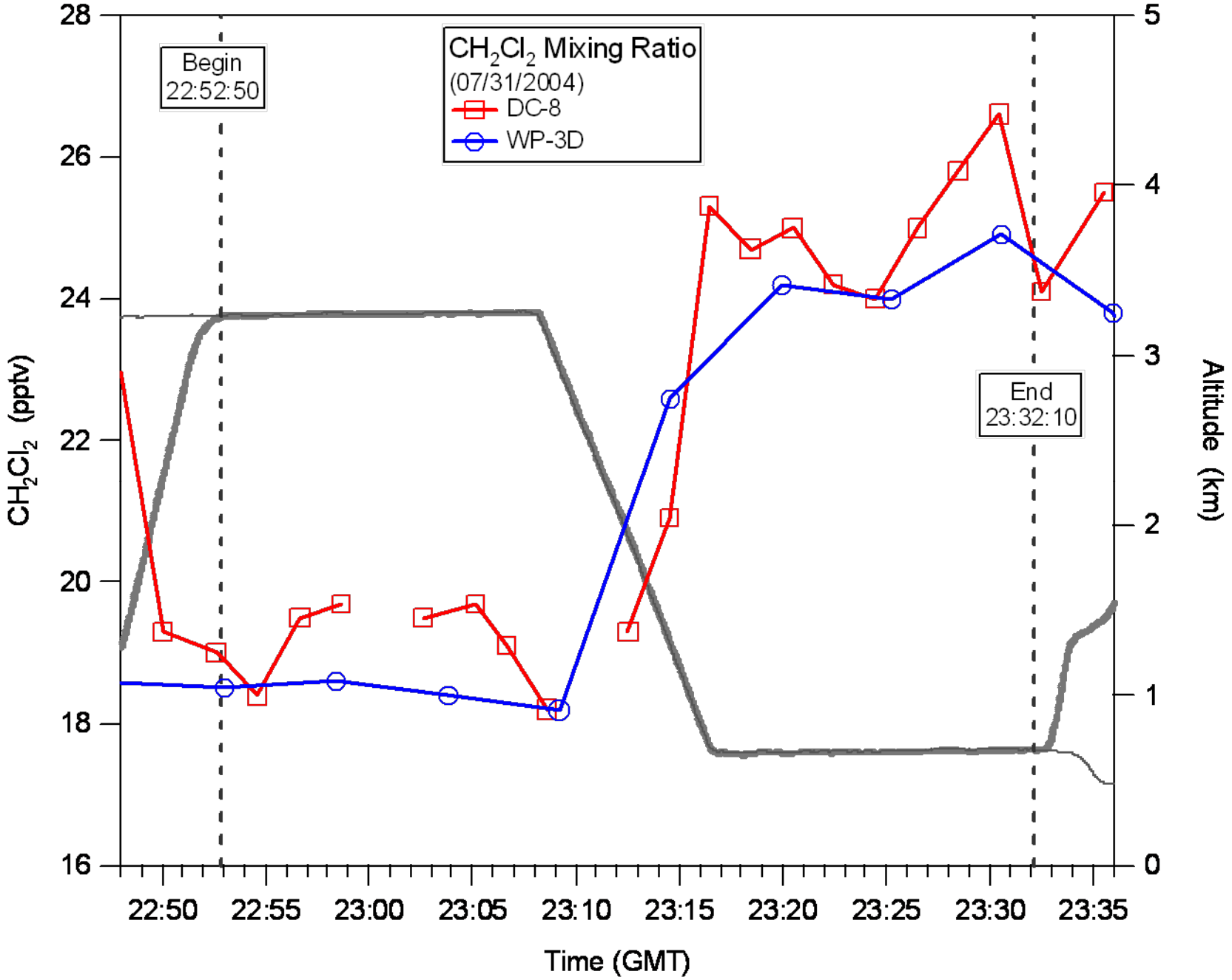

Begin
22:52:50
End
23:32:10
PTRMS Detection Limit
DMS Mixing Ratio
(07/31/2004)
DC-8
WP-3D WAS
WP-3D PTRMS
DC-8 Detection Limit
DMS (pptv)
Altitude (km)
Time (GMT)
60
40
20
0
-20
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

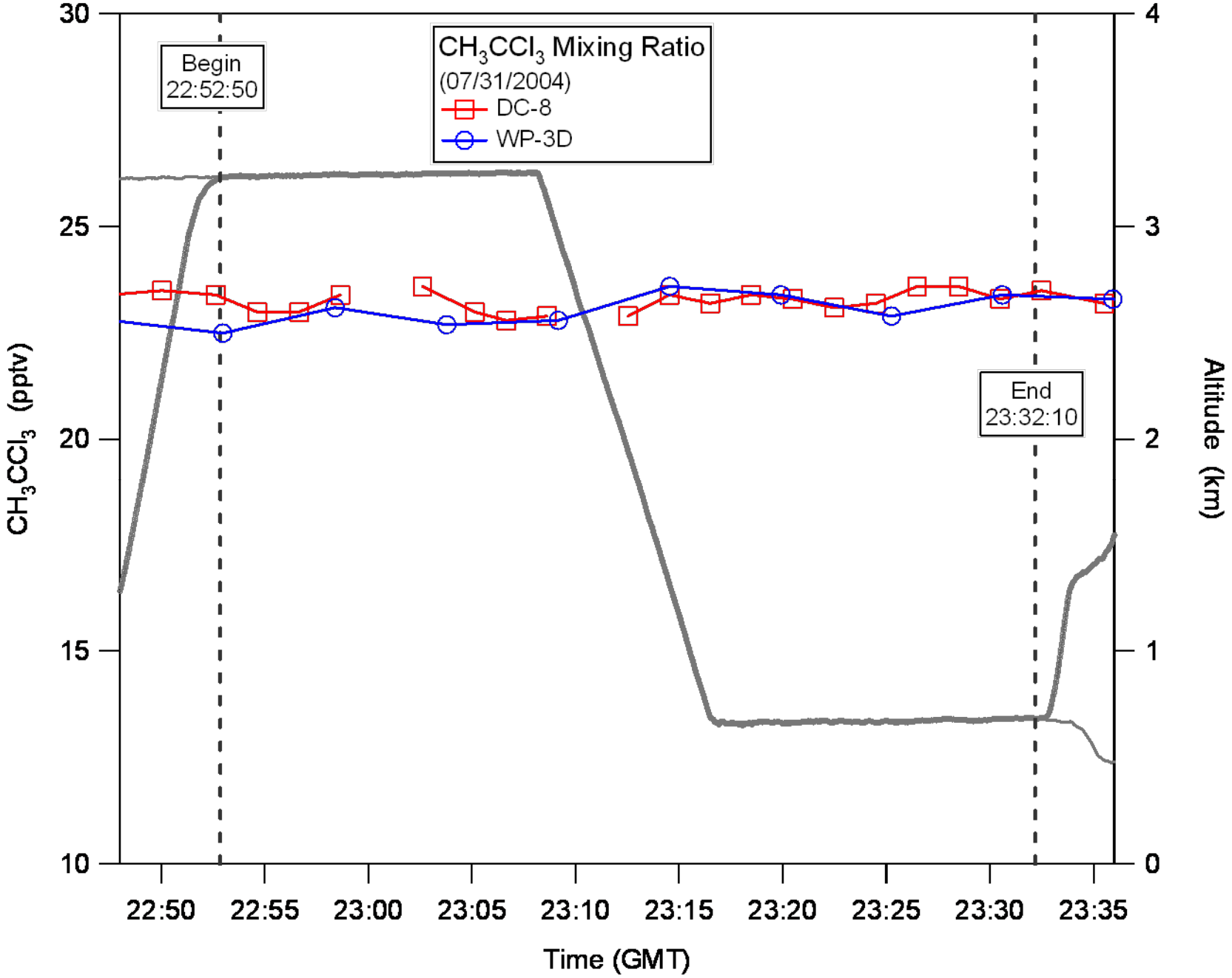

CH3I Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
CH3I (pptv)
Altitude (km)
Time (GMT)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

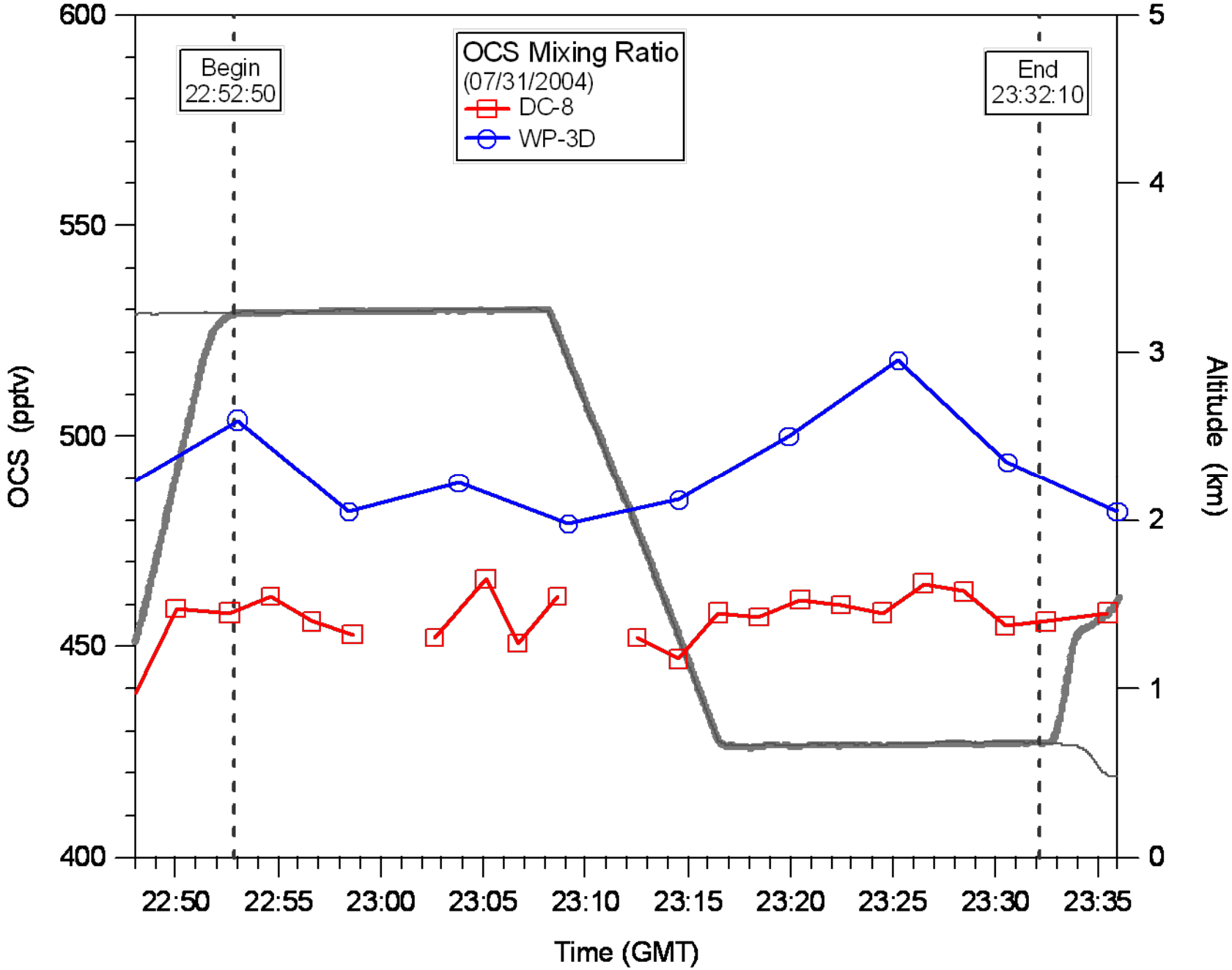

CHCl3 Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
CHCl3 (pptv)
Altitude (km)
Time (GMT)
12
11
10
9
8
7
6
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

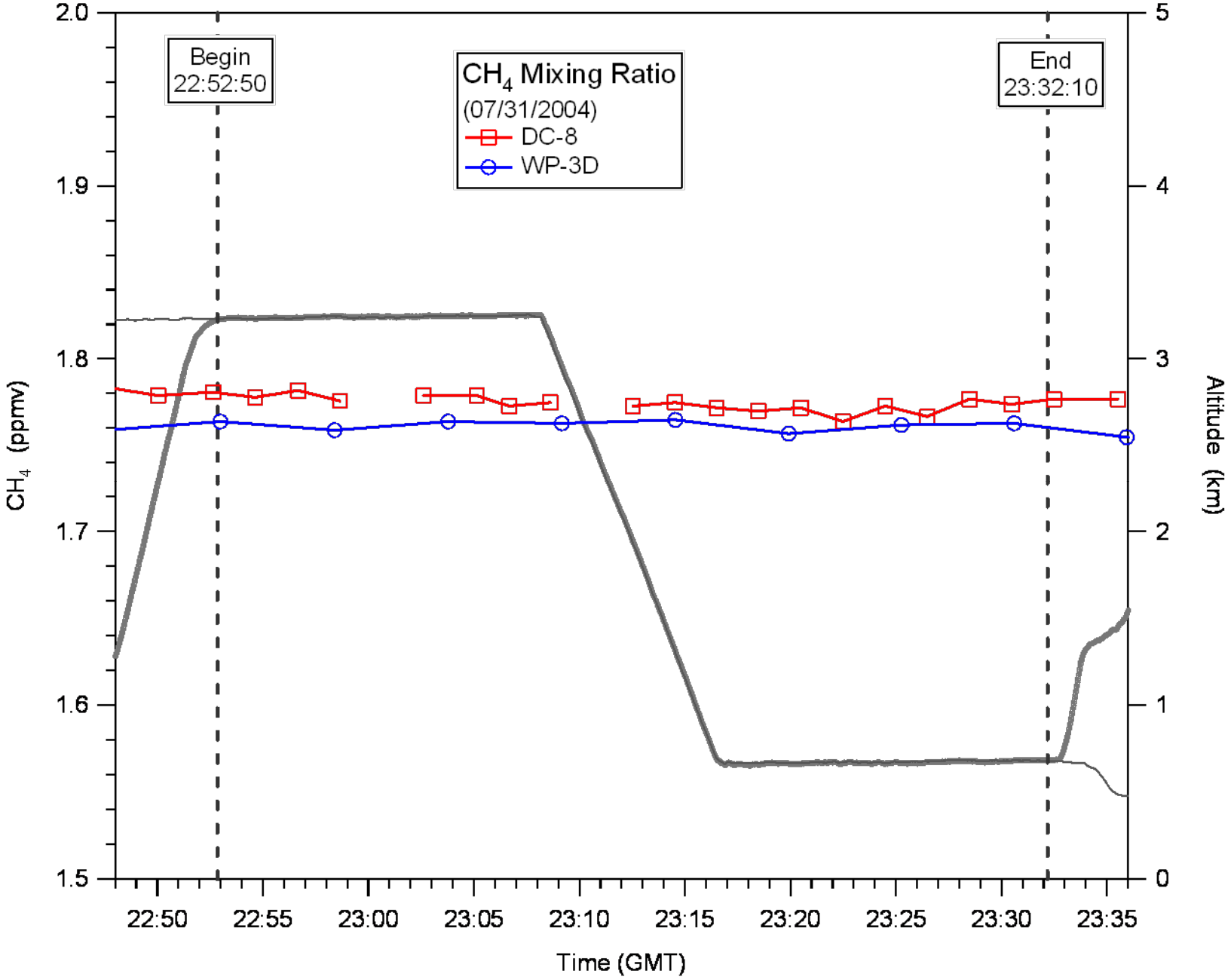

HCFC-22 Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
HCFC_22 (pptv)
Altitude (km)
Time (GMT)
200
190
180
170
160
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

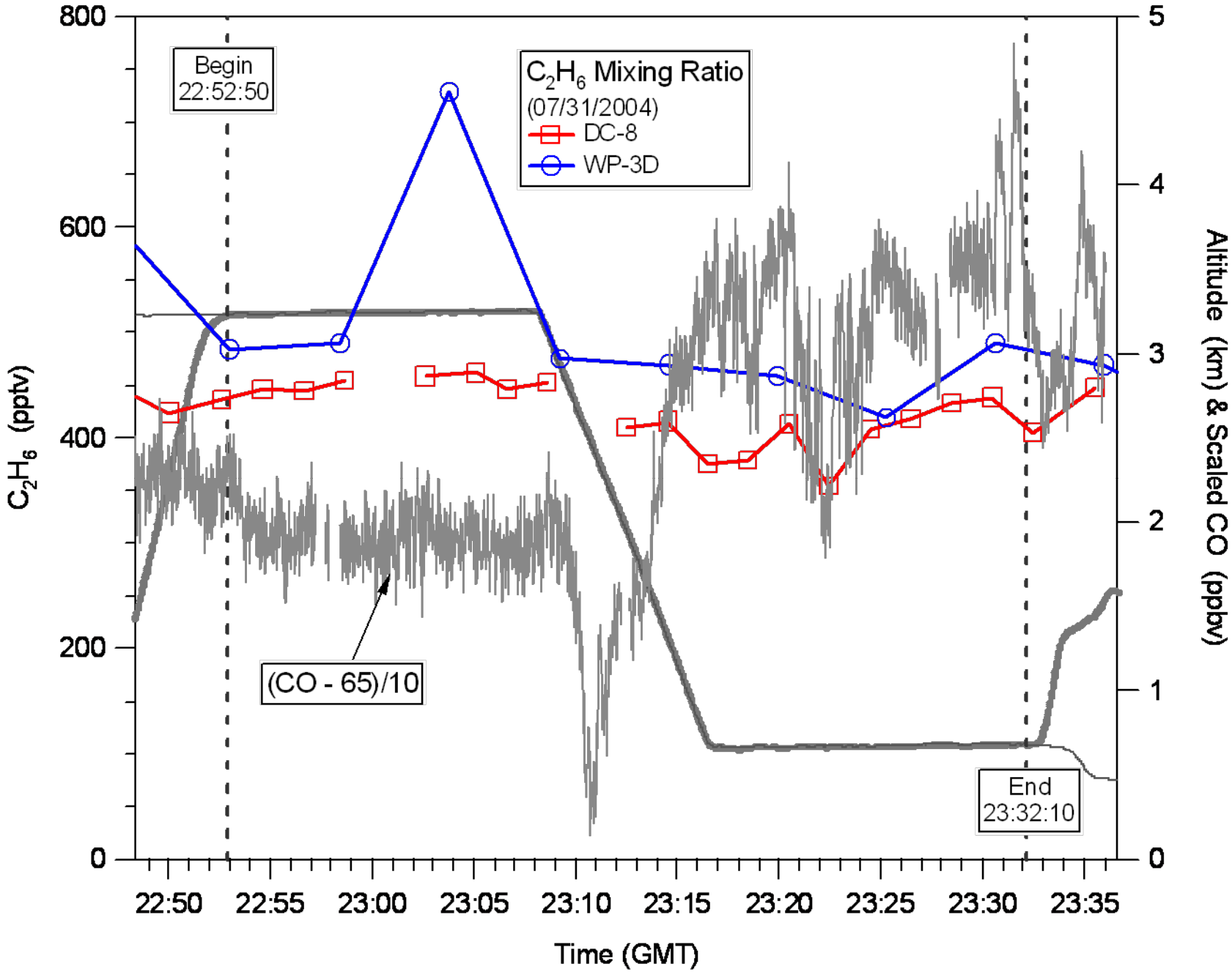

C_2Cl_4 Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
(CO - 65)/10
C_2Cl_4 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
5
10
15
20
25
0
1
2
3
4
5
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

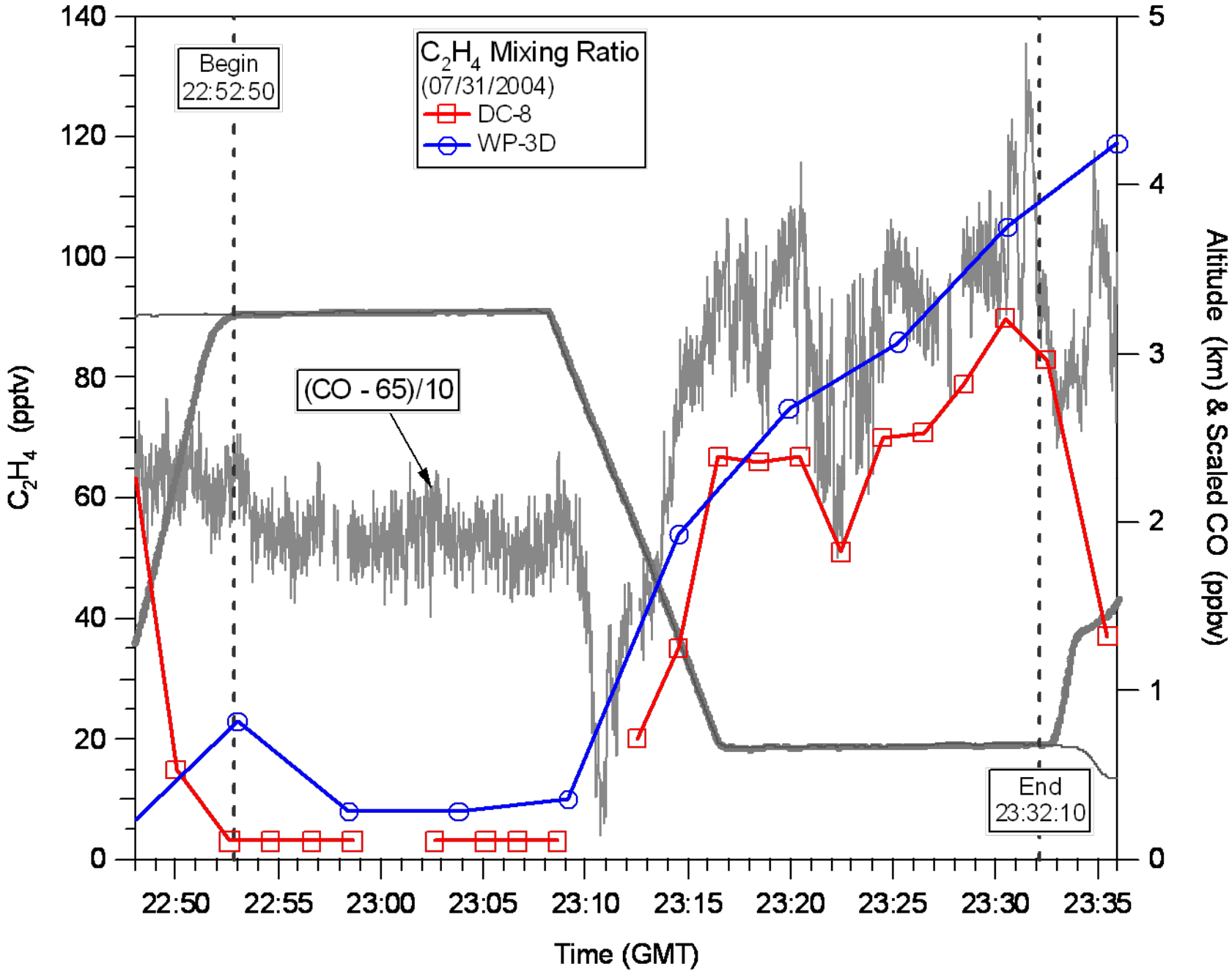

CH_2Cl_2 Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
CH_2Cl_2 (pptv)
Altitude (km)
Time (GMT)
28
26
24
22
20
18
16
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

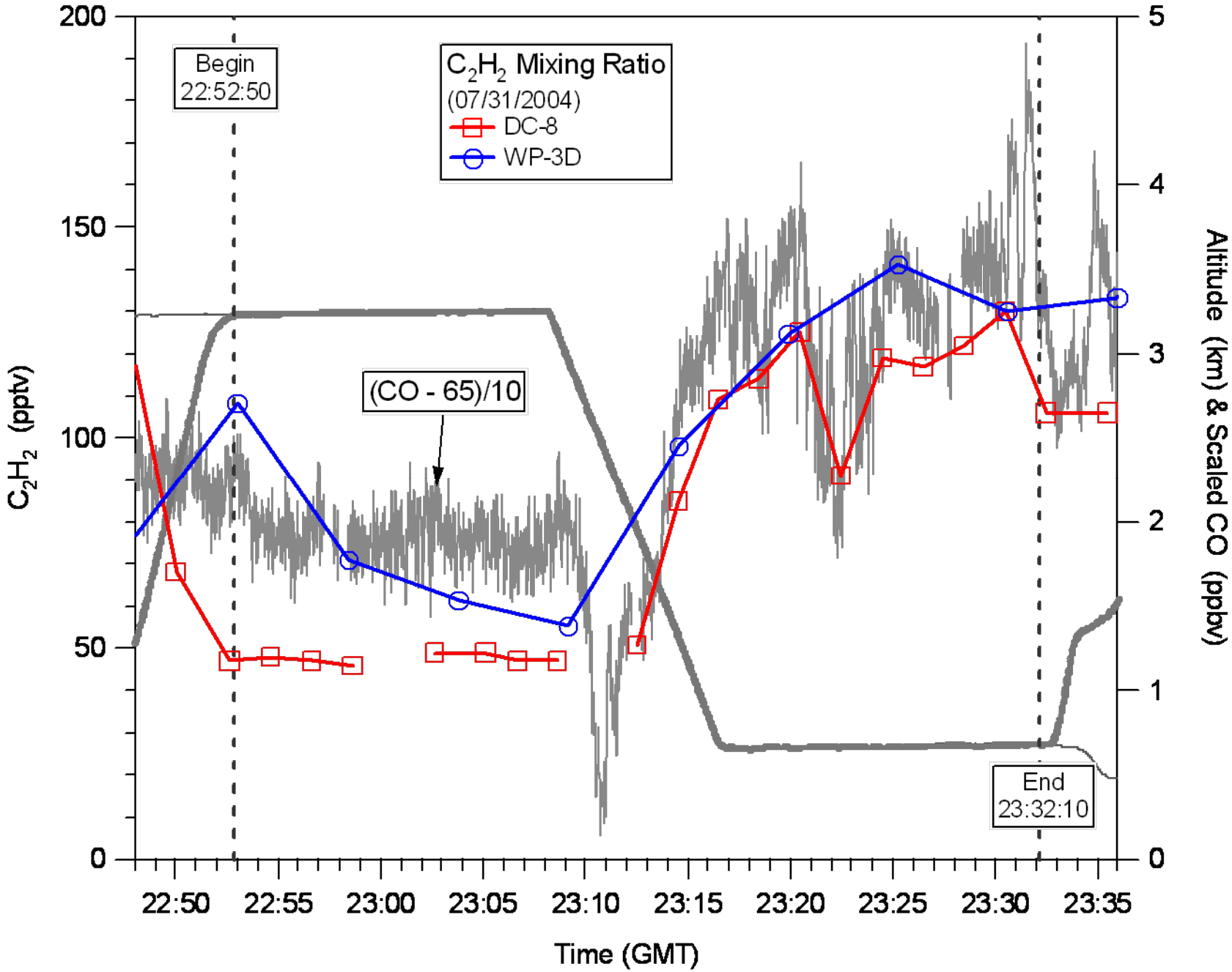

CH3CCl3 Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
CH3CCl3 (pptv)
Altitude (km)
Time (GMT)
30
25
20
15
10
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

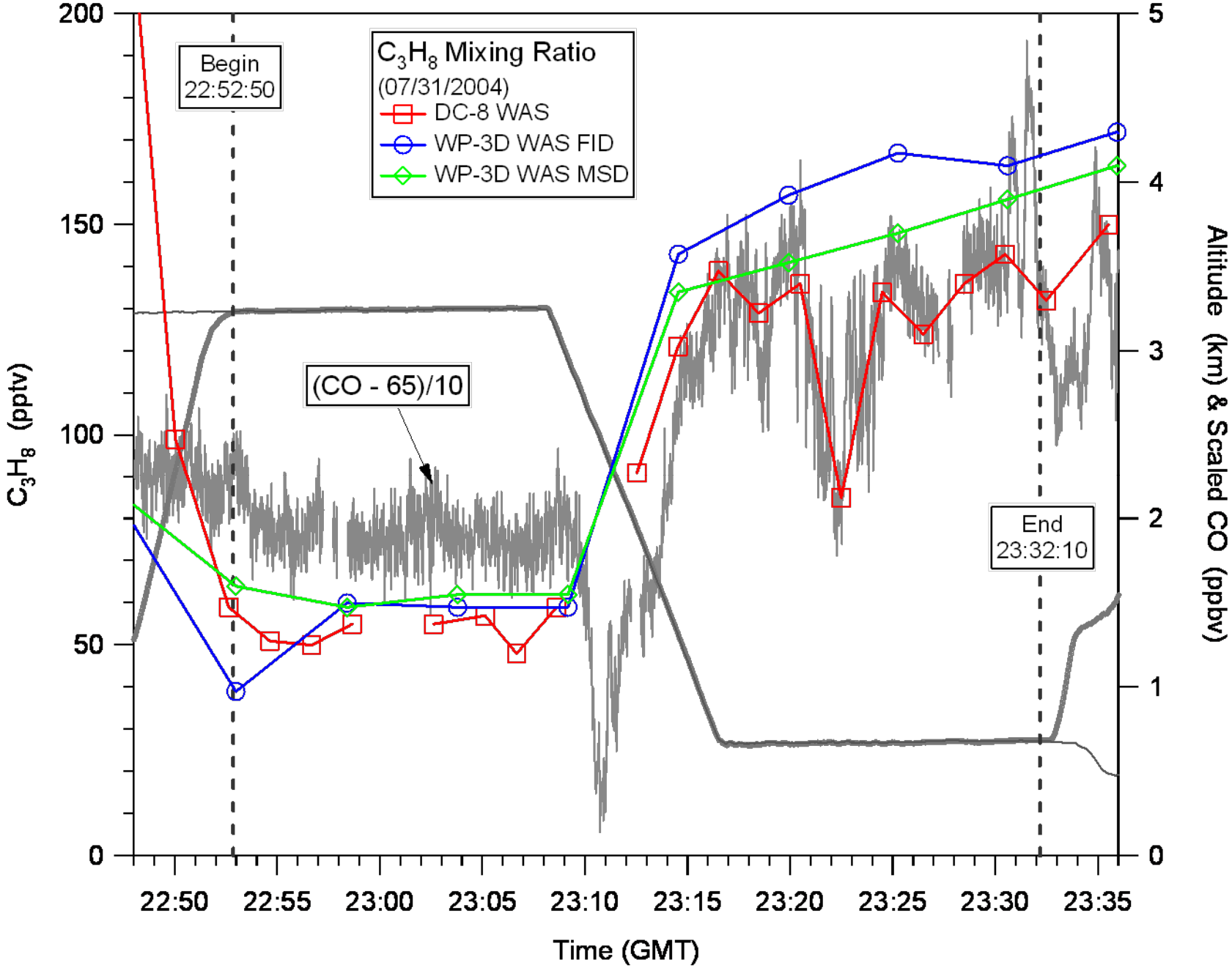

OCS Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
OCS (pptv)
Altitude (km)
Time (GMT)
600
550
500
450
400
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

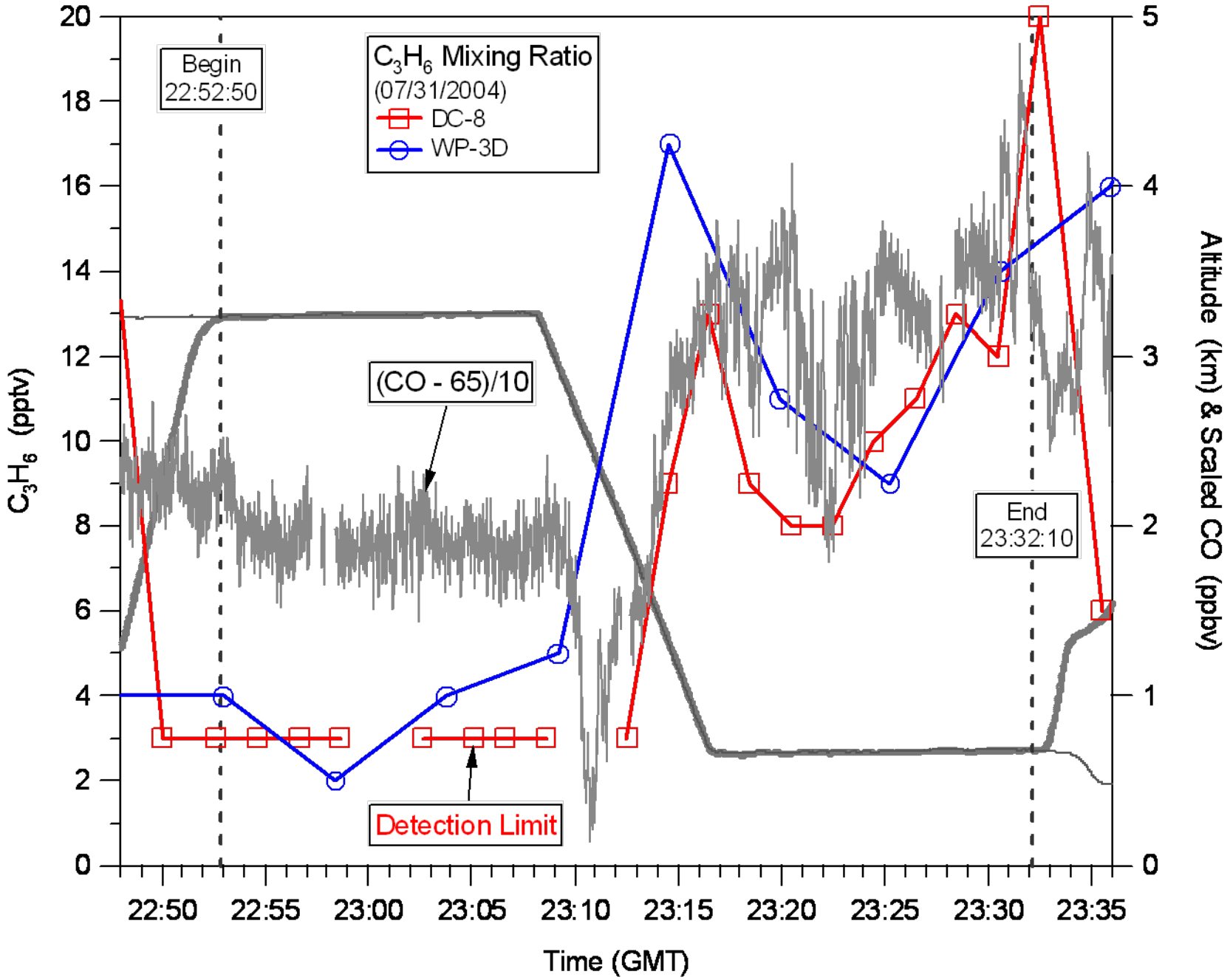

Begin
22:52:50
End
23:32:10
CH4 Mixing Ratio
(07/31/2004)
DC-8
WP-3D
CH4 (ppmv)
Altitude (km)
Time (GMT)
2.0
1.9
1.8
1.7
1.6
1.5
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

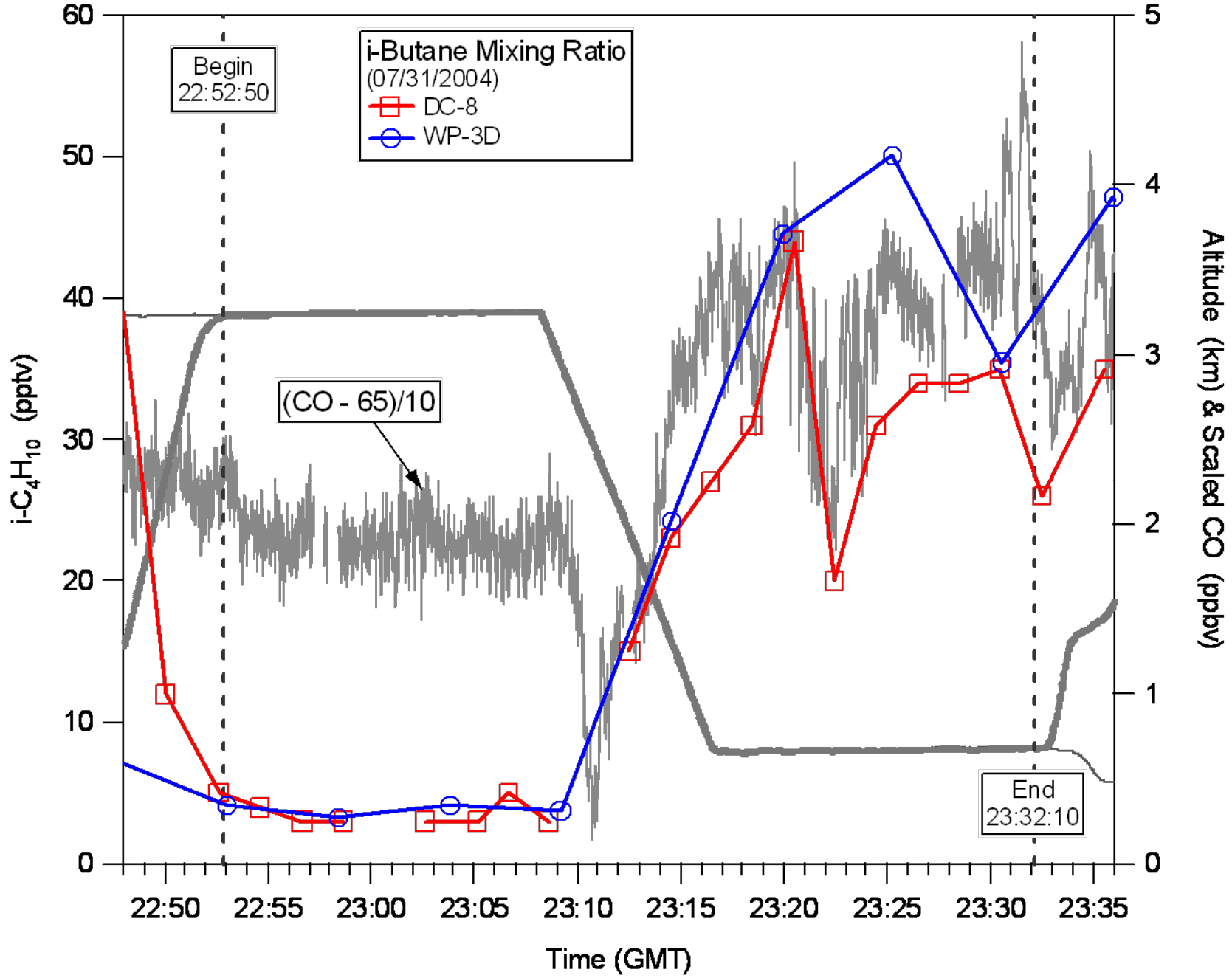

Begin
22:52:50
C_2H_6 Mixing Ratio
(07/31/2004)
DC-8
WP-3D
(CO - 65)/10
End
23:32:10
C_2H_6 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
800
600
400
200
0
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

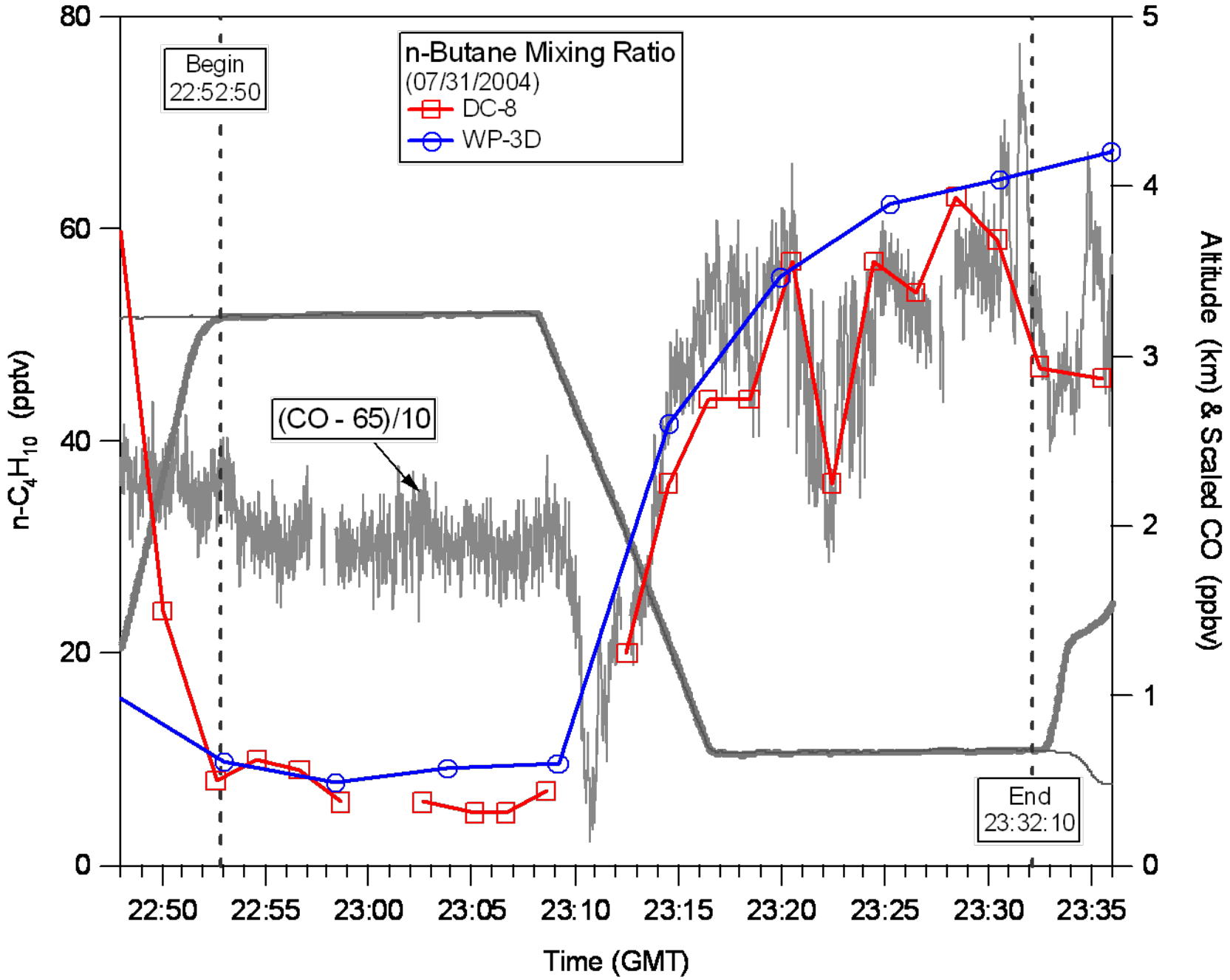

C_2H_4 Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
(CO - 65)/10
C_2H_4 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
20
40
60
80
100
120
140
0
1
2
3
4
5
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

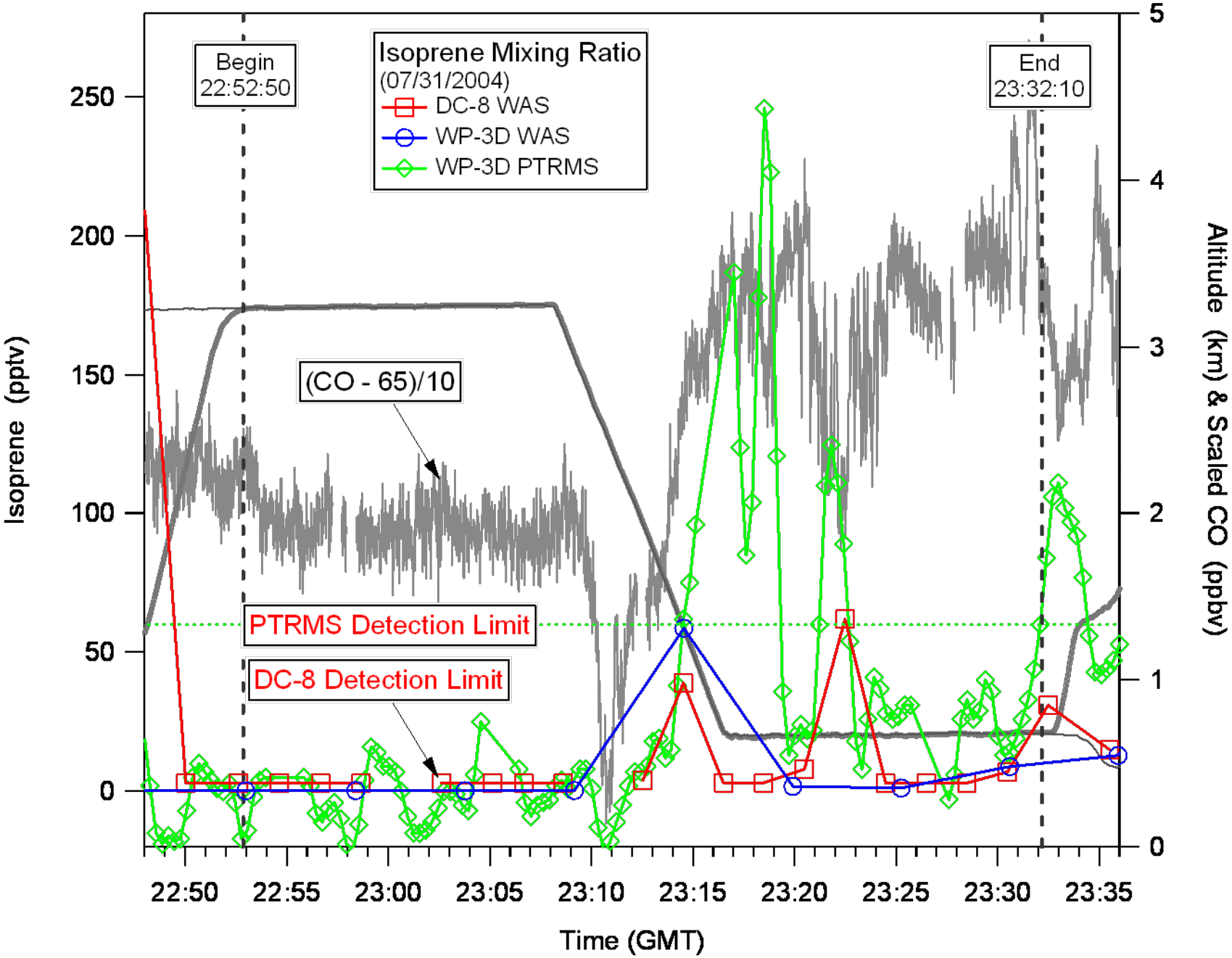

Begin
22:52:50
C_2H_2 Mixing Ratio
(07/31/2004)
DC-8
WP-3D
(CO - 65)/10
End
23:32:10
C_2H_2 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
200
150
100
50
0
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

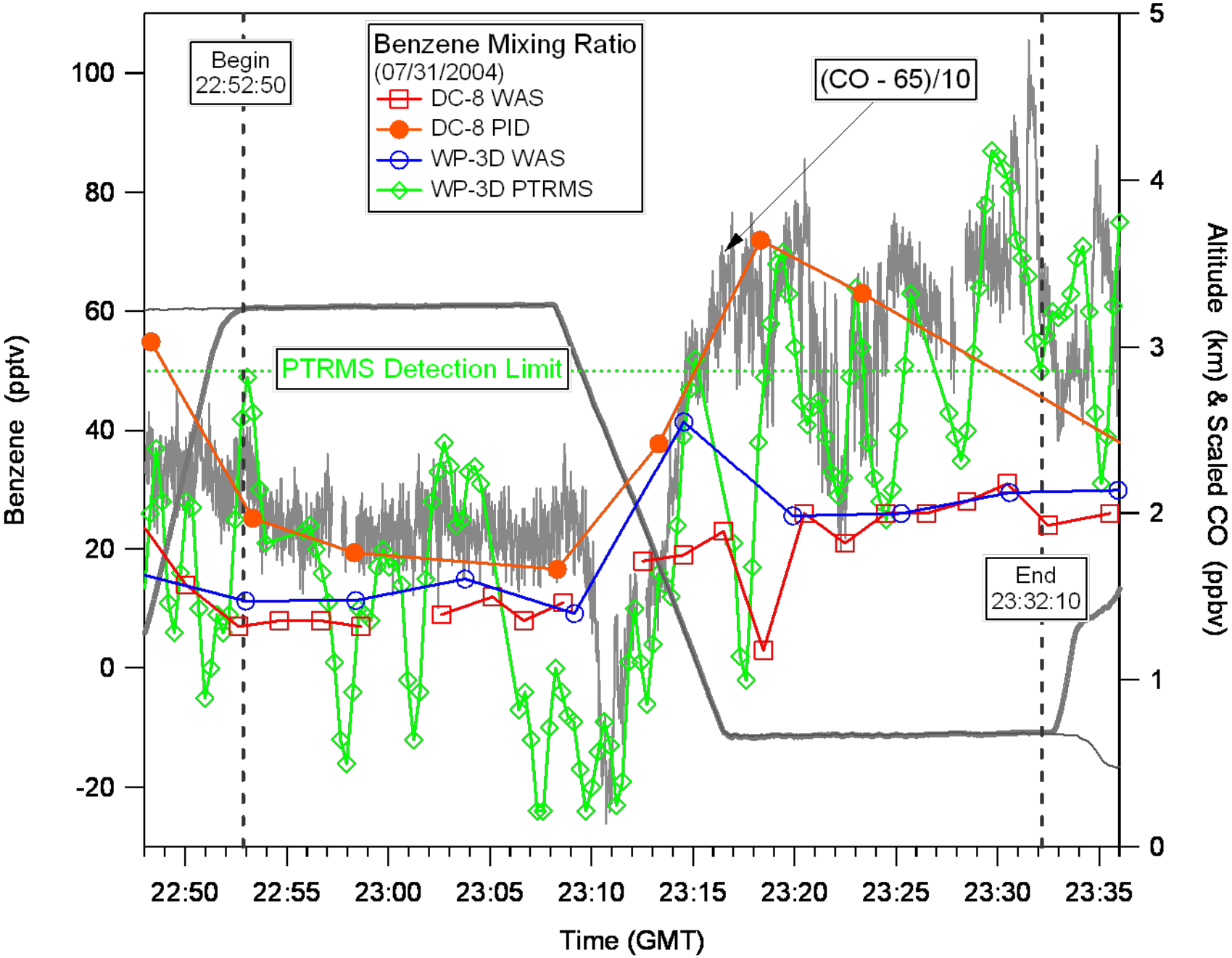

C_3H_8 Mixing Ratio
(07/31/2004)
DC-8 WAS
WP-3D WAS FID
WP-3D WAS MSD
Begin
22:52:50
End
23:32:10
(CO - 65)/10
C_3H_8 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
200
150
100
50
0
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35

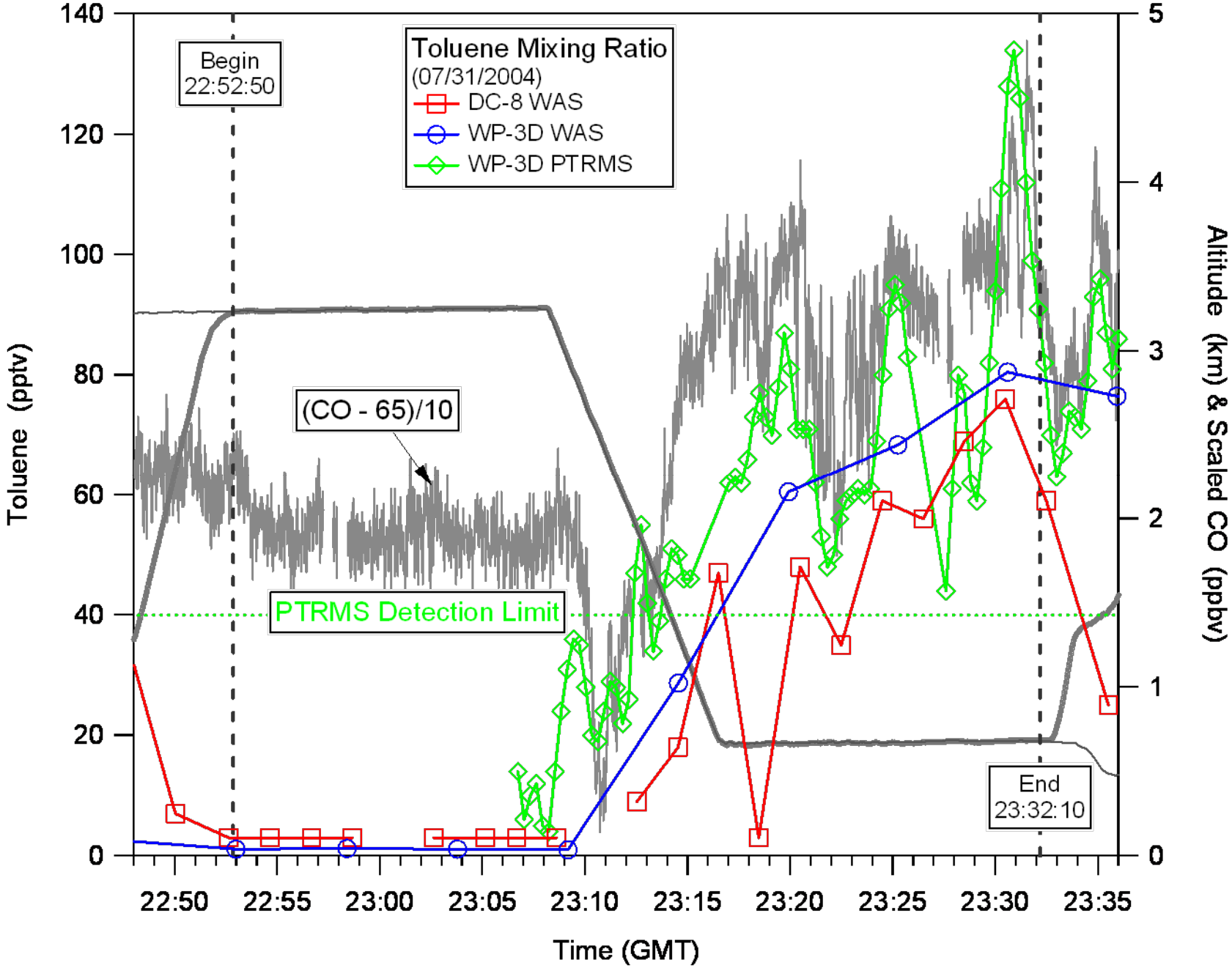

C_3H_6 Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
(CO - 65)/10
Detection Limit
C_3H_6 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
2
4
6
8
10
12
14
16
18
20
0
1
2
3
4
5
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35


i-Butane Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
(CO - 65)/10
i-C4H10 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
60
50
40
30
20
10
0
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35


n-Butane Mixing Ratio
(07/31/2004)
DC-8
WP-3D
Begin
22:52:50
End
23:32:10
(CO - 65)/10
n-C4H10 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
20
40
60
80
0
1
2
3
4
5
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35


Isoprene Mixing Ratio
(07/31/2004)
DC-8 WAS
WP-3D WAS
WP-3D PTRMS
Begin
22:52:50
End
23:32:10
(CO - 65)/10
PTRMS Detection Limit
DC-8 Detection Limit
Isoprene (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
250
200
150
100
50
0
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35


Benzene Mixing Ratio
(07/31/2004)
DC-8 WAS
DC-8 PID
WP-3D WAS
WP-3D PTRMS
Begin
22:52:50
(CO - 65)/10
PTRMS Detection Limit
End
23:32:10
Benzene (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
100
80
60
40
20
0
-20
5
4
3
2
1
0
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35


Toluene Mixing Ratio
(07/31/2004)
DC-8 WAS
WP-3D WAS
WP-3D PTRMS
Begin
22:52:50
End
23:32:10
(CO - 65)/10
PTRMS Detection Limit
Toluene (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
20
40
60
80
100
120
140
0
1
2
3
4
5
22:50
22:55
23:00
23:05
23:10
23:15
23:20
23:25
23:30
23:35