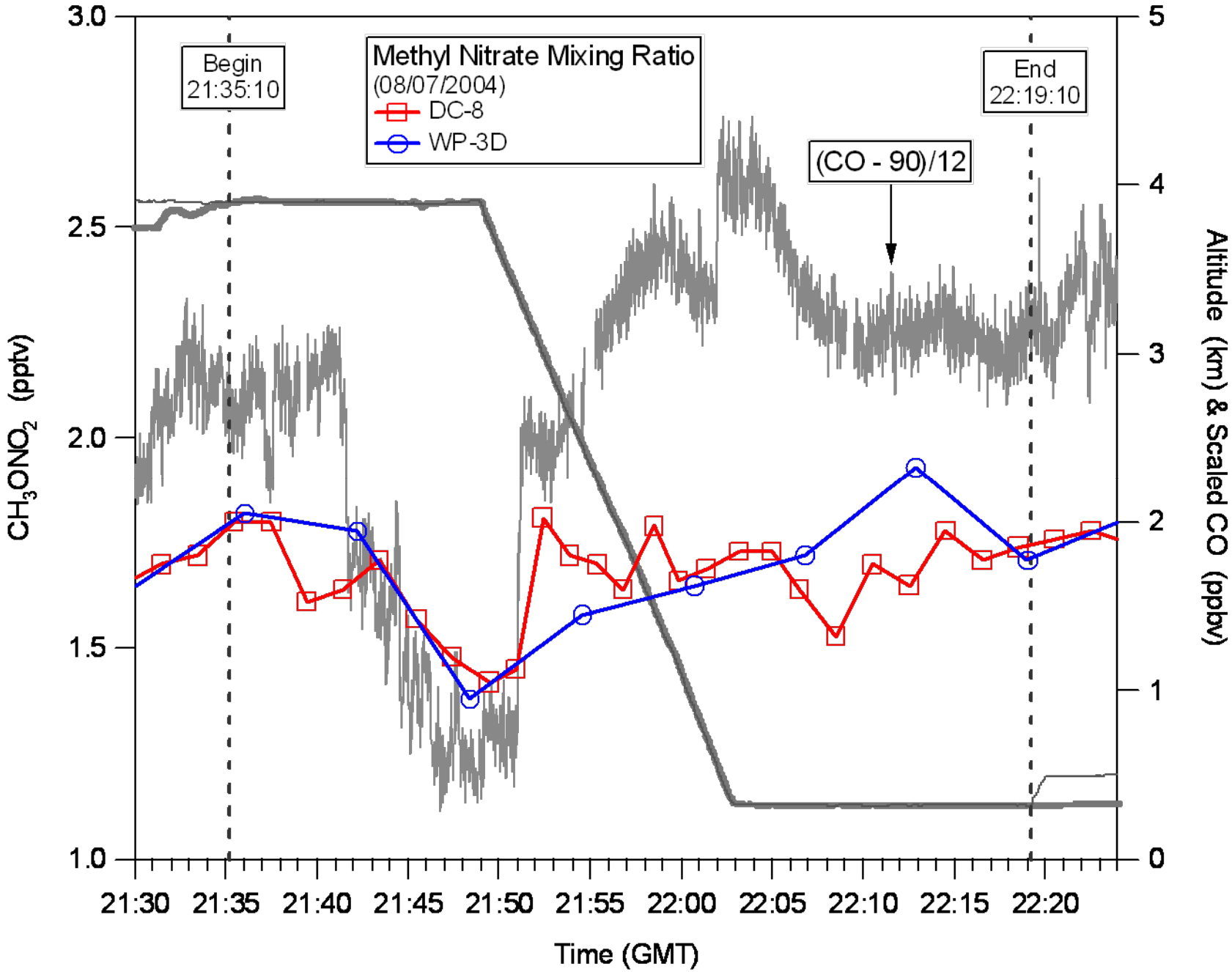
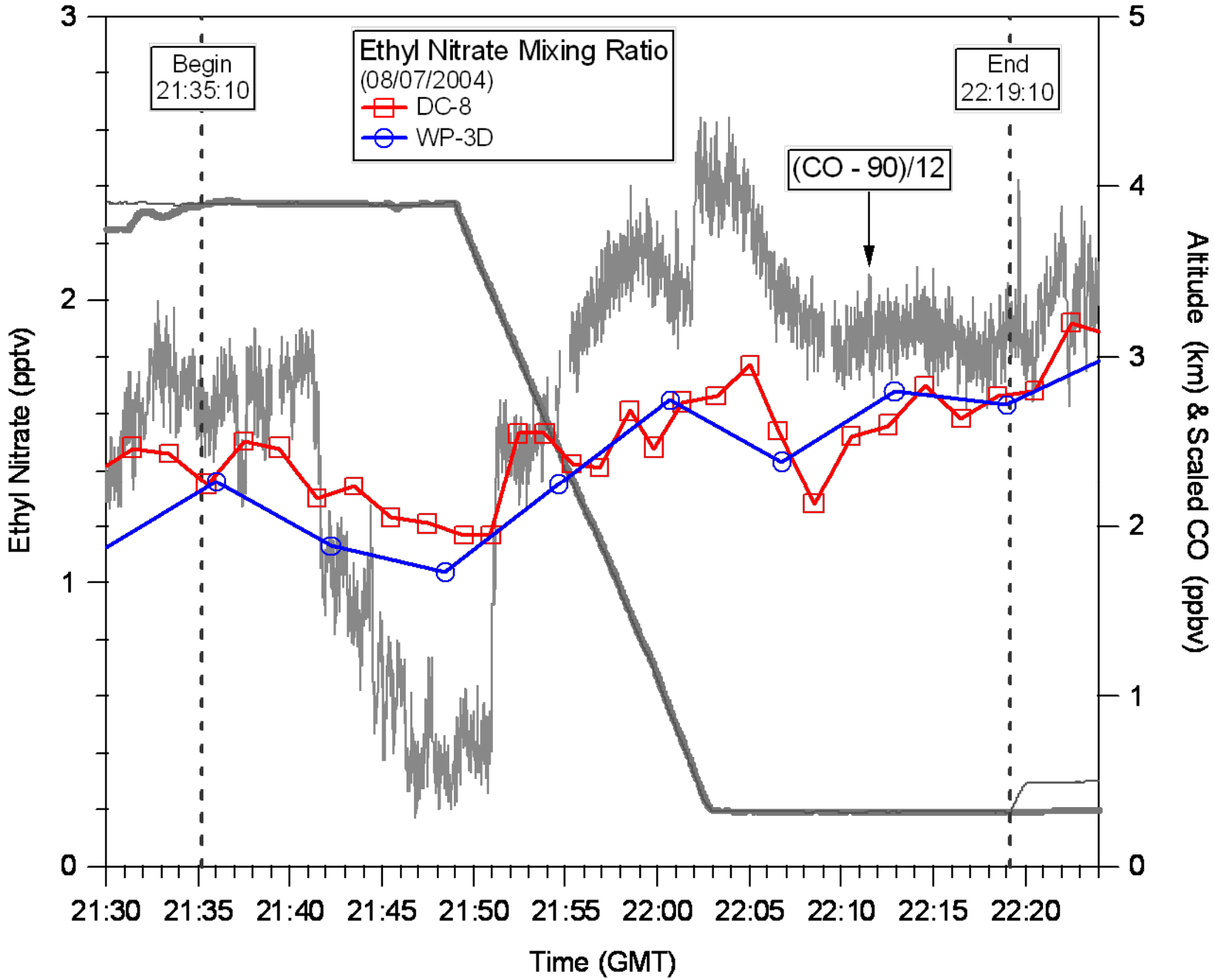
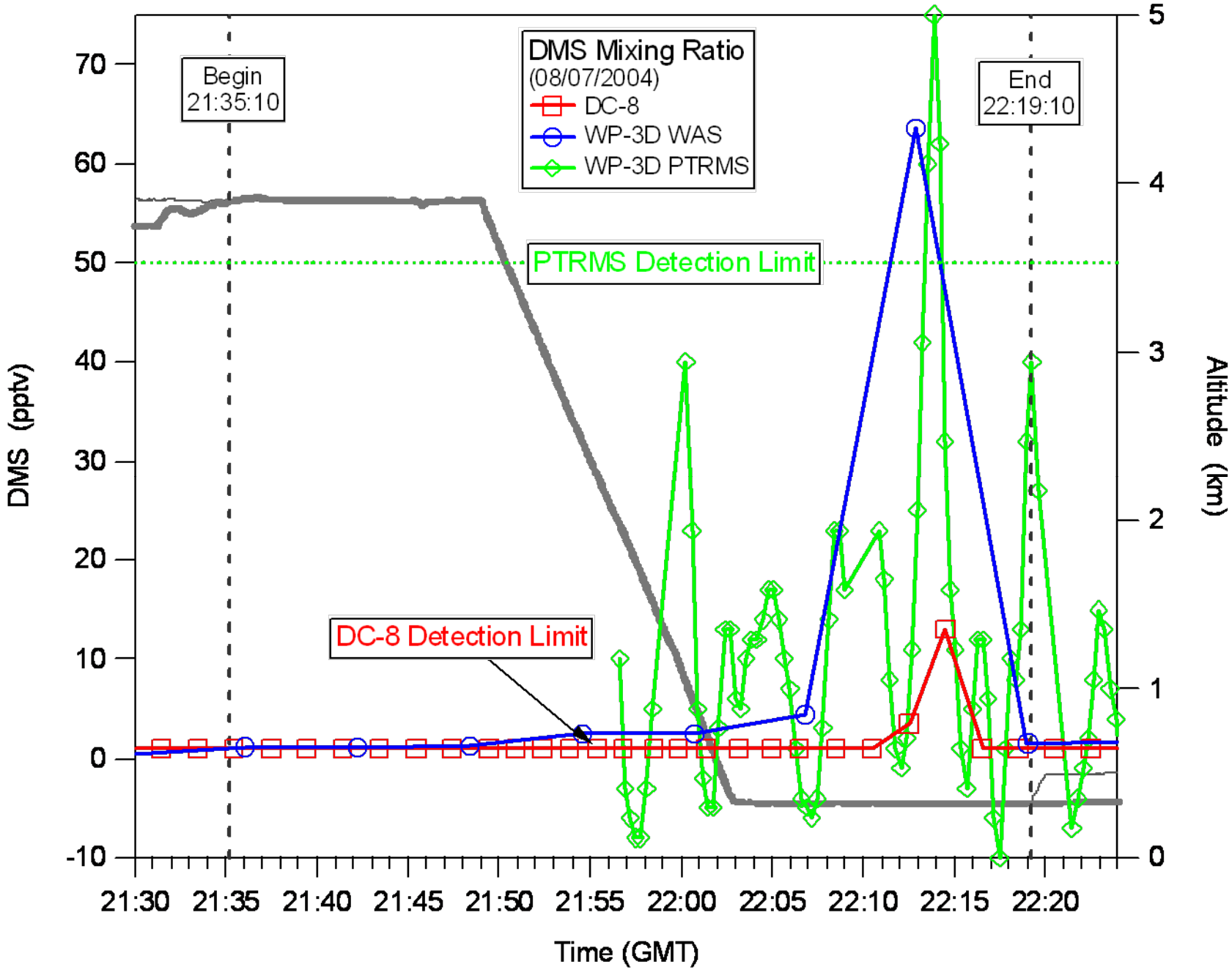
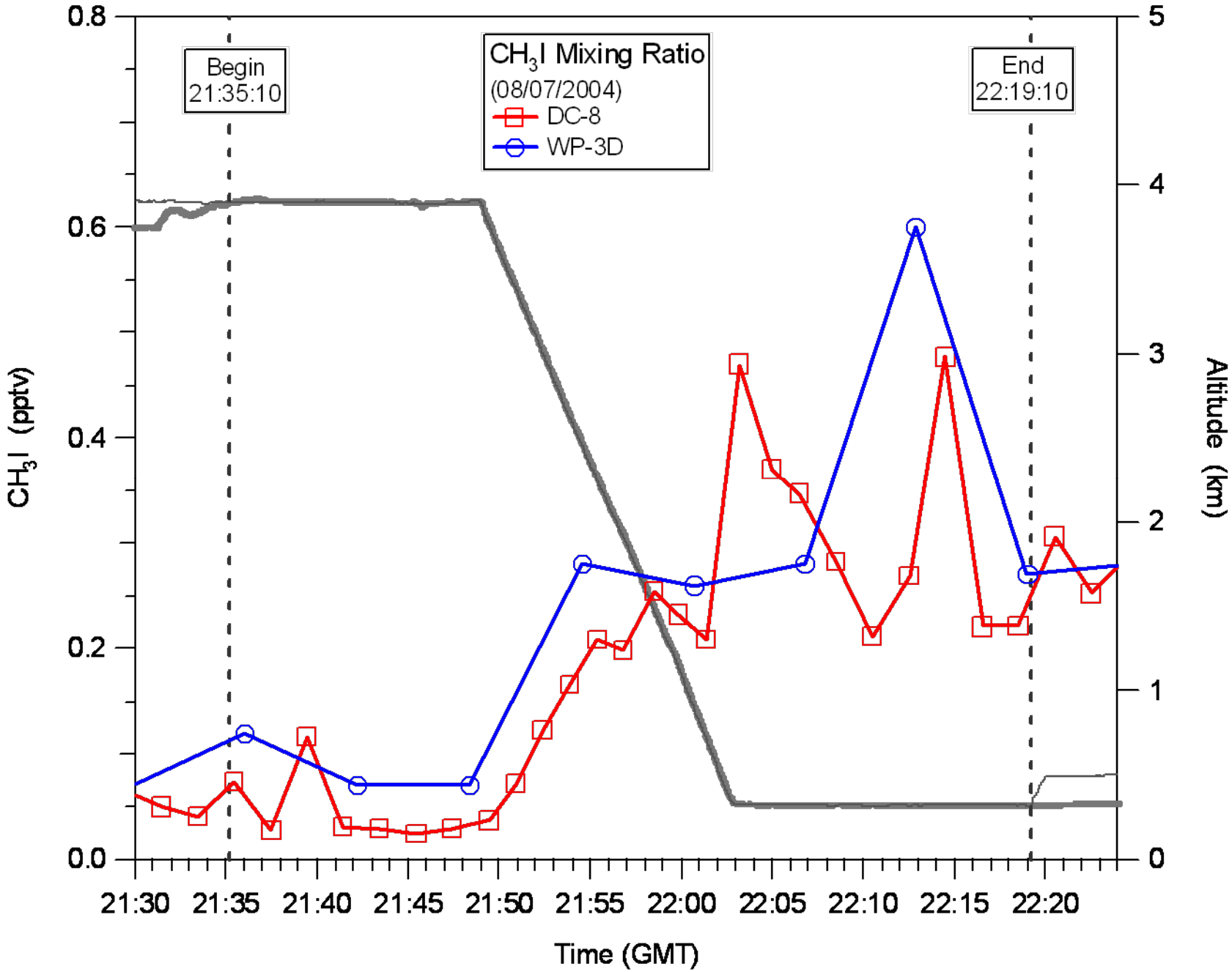
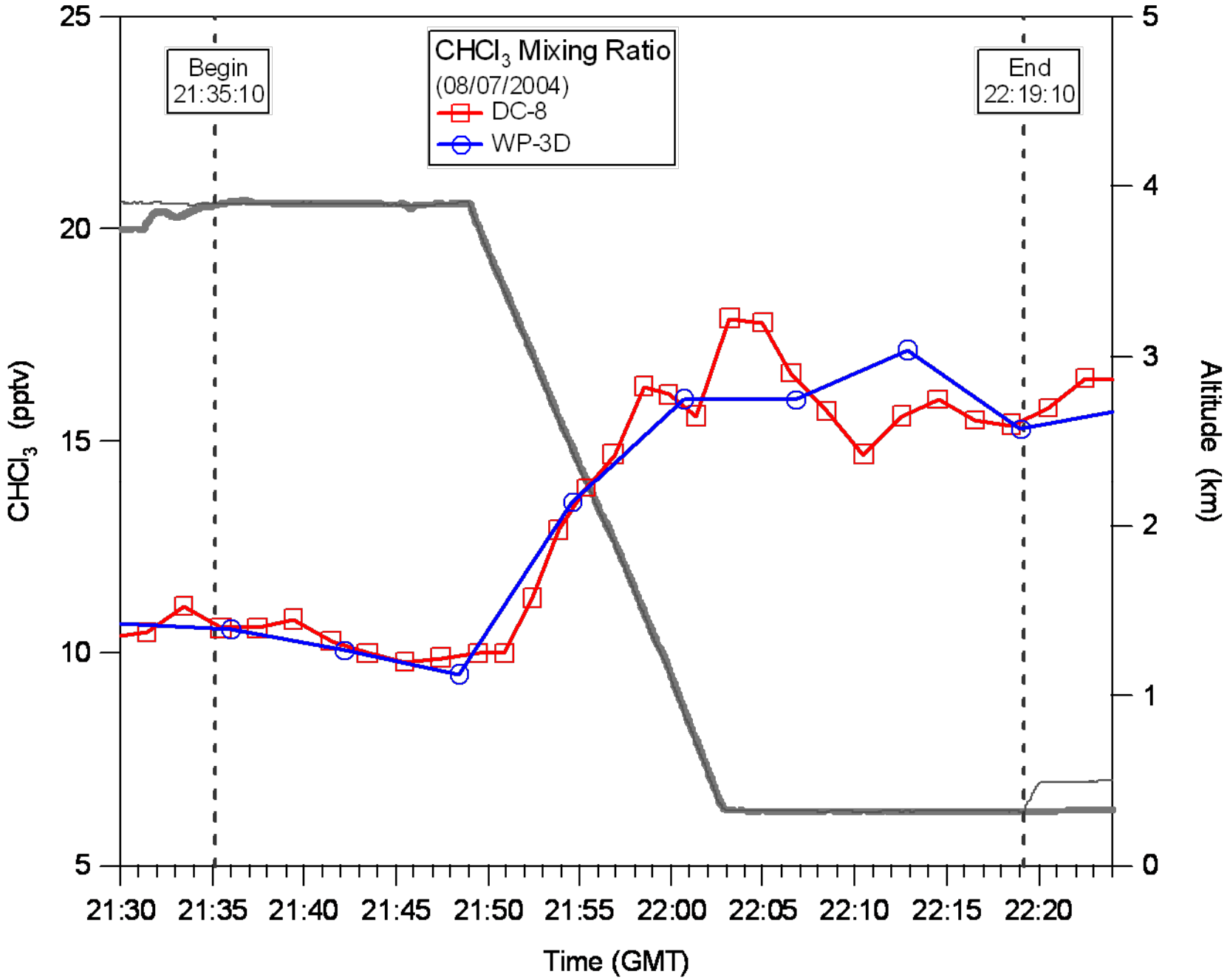
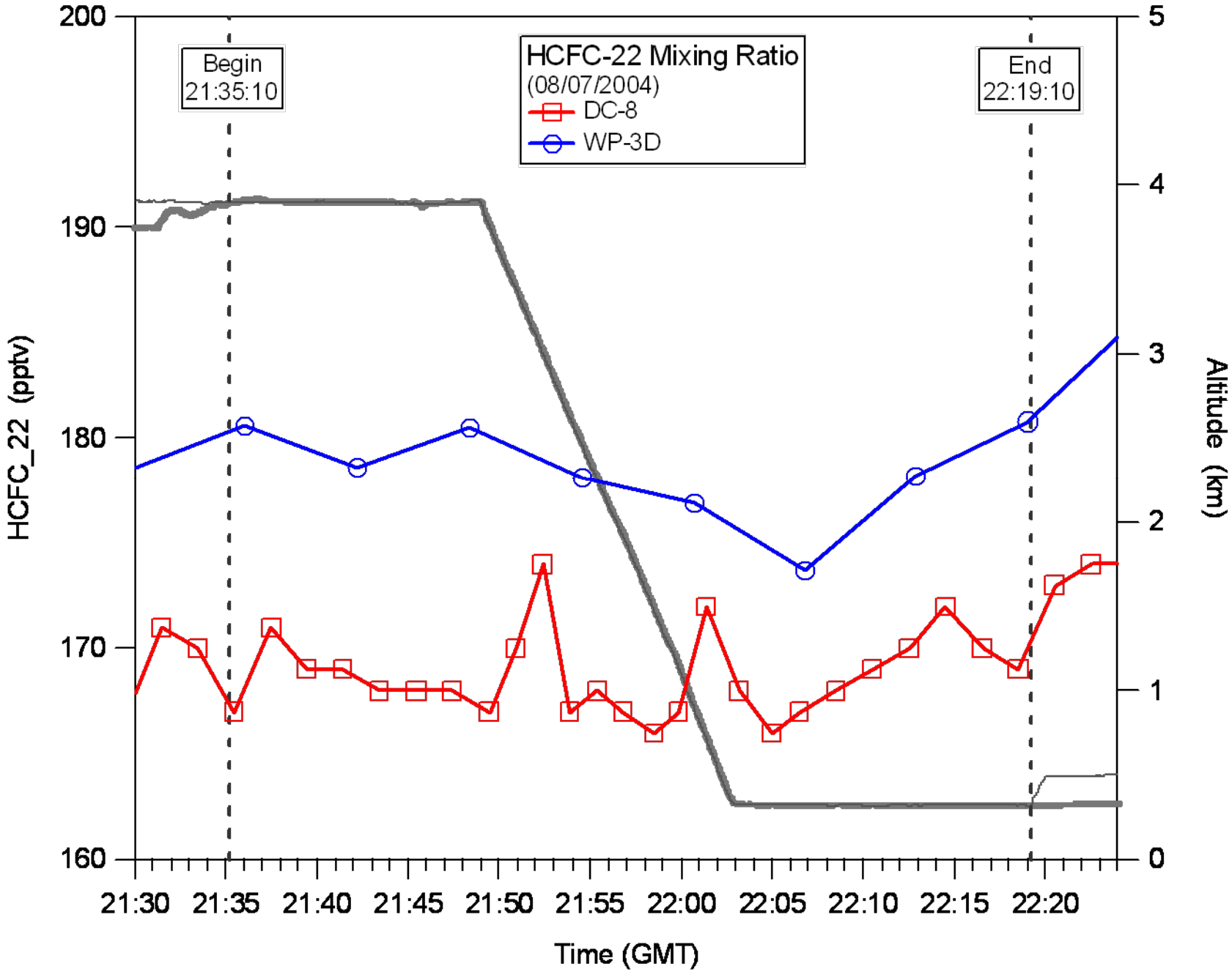

Methyl Nitrate Mixing Ratio
(08/07/2004)
DC-8
WP-3D
Begin
21:35:10
End
22:19:10
(CO - 90)/12
CH_3ONO_2 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
3.0
2.5
2.0
1.5
1.0
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

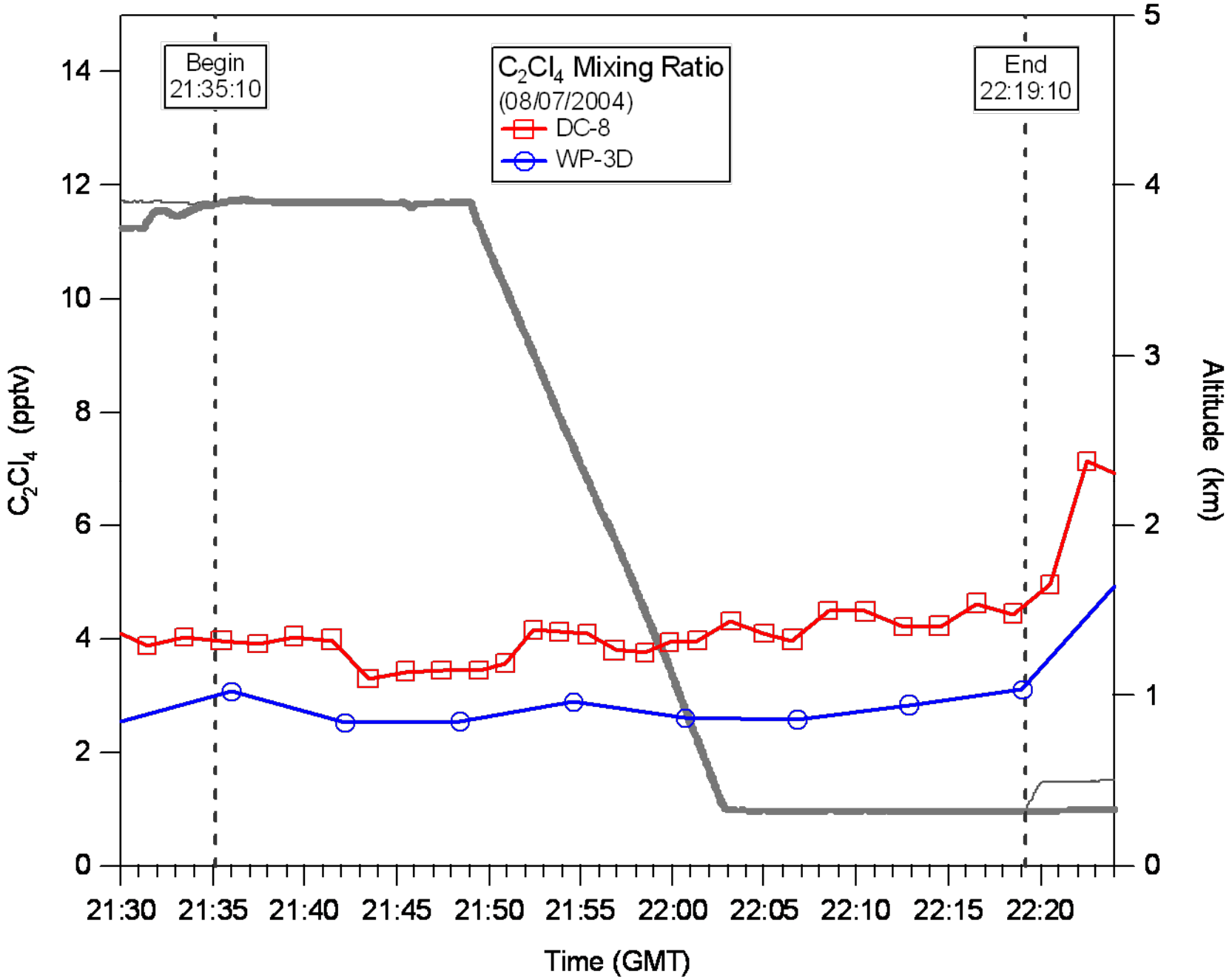

Ethyl Nitrate Mixing Ratio
(08/07/2004)
DC-8
WP-3D
Begin
21:35:10
End
22:19:10
(CO - 90)/12
Ethyl Nitrate (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
1
2
3
4
5
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

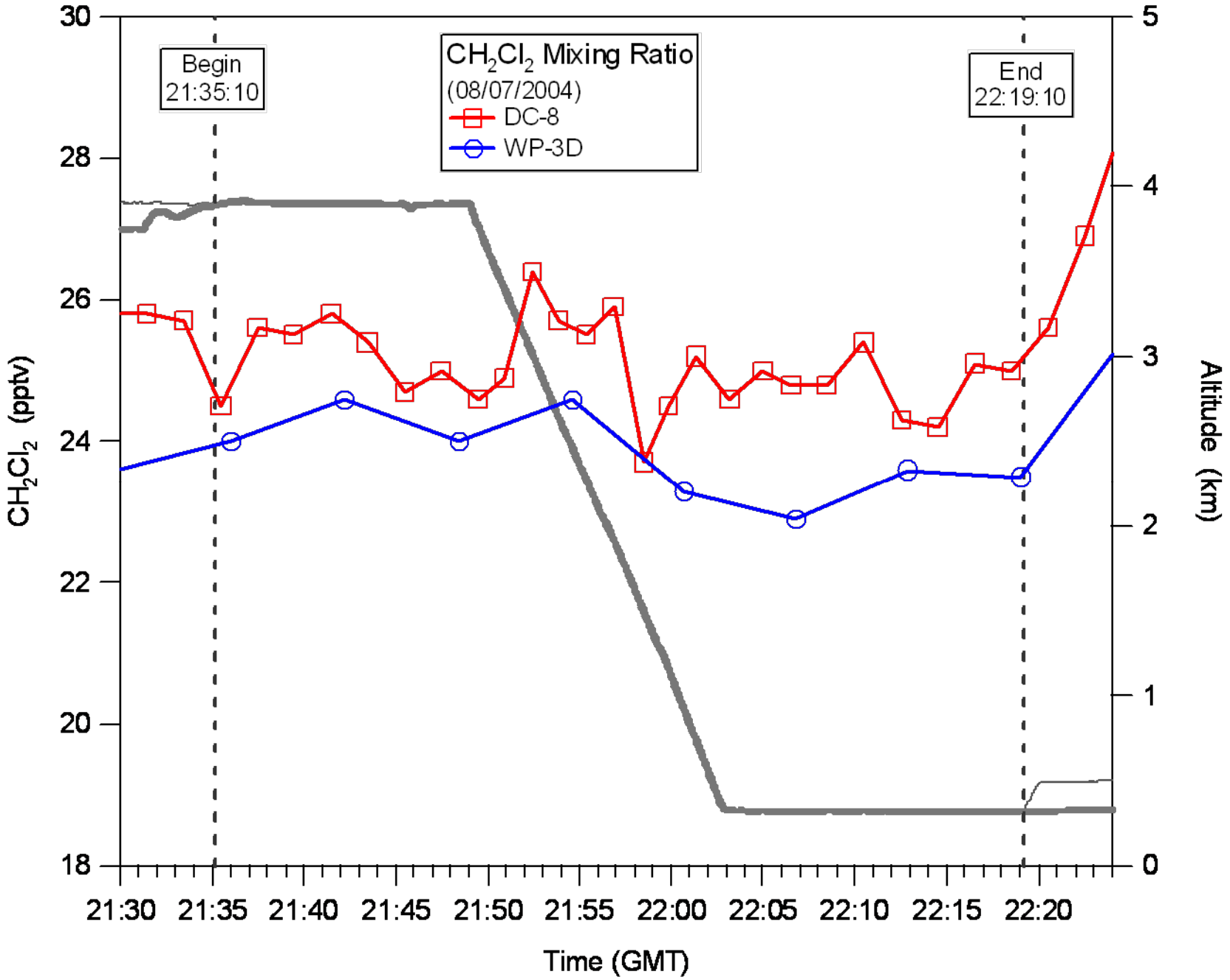

DMS Mixing Ratio
(08/07/2004)
DC-8
WP-3D WAS
WP-3D PTRMS
Begin
21:35:10
End
22:19:10
PTRMS Detection Limit
DC-8 Detection Limit
DMS (pptv)
Altitude (km)
Time (GMT)
70
60
50
40
30
20
10
0
-10
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

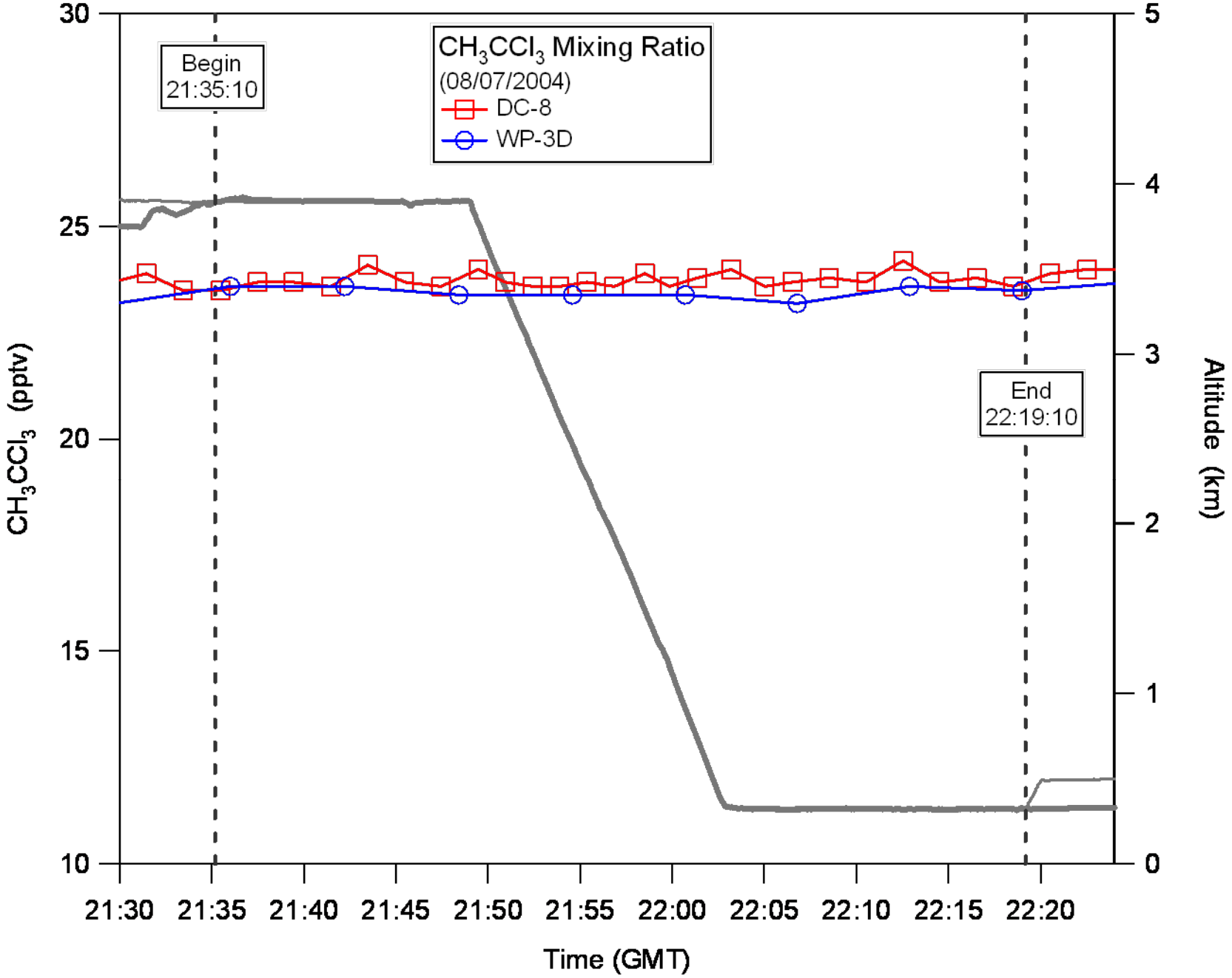

CH3I Mixing Ratio
(08/07/2004)
DC-8
WP-3D
Begin
21:35:10
End
22:19:10
CH3I (pptv)
Altitude (km)
Time (GMT)
0.0
0.2
0.4
0.6
0.8
0
1
2
3
4
5
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

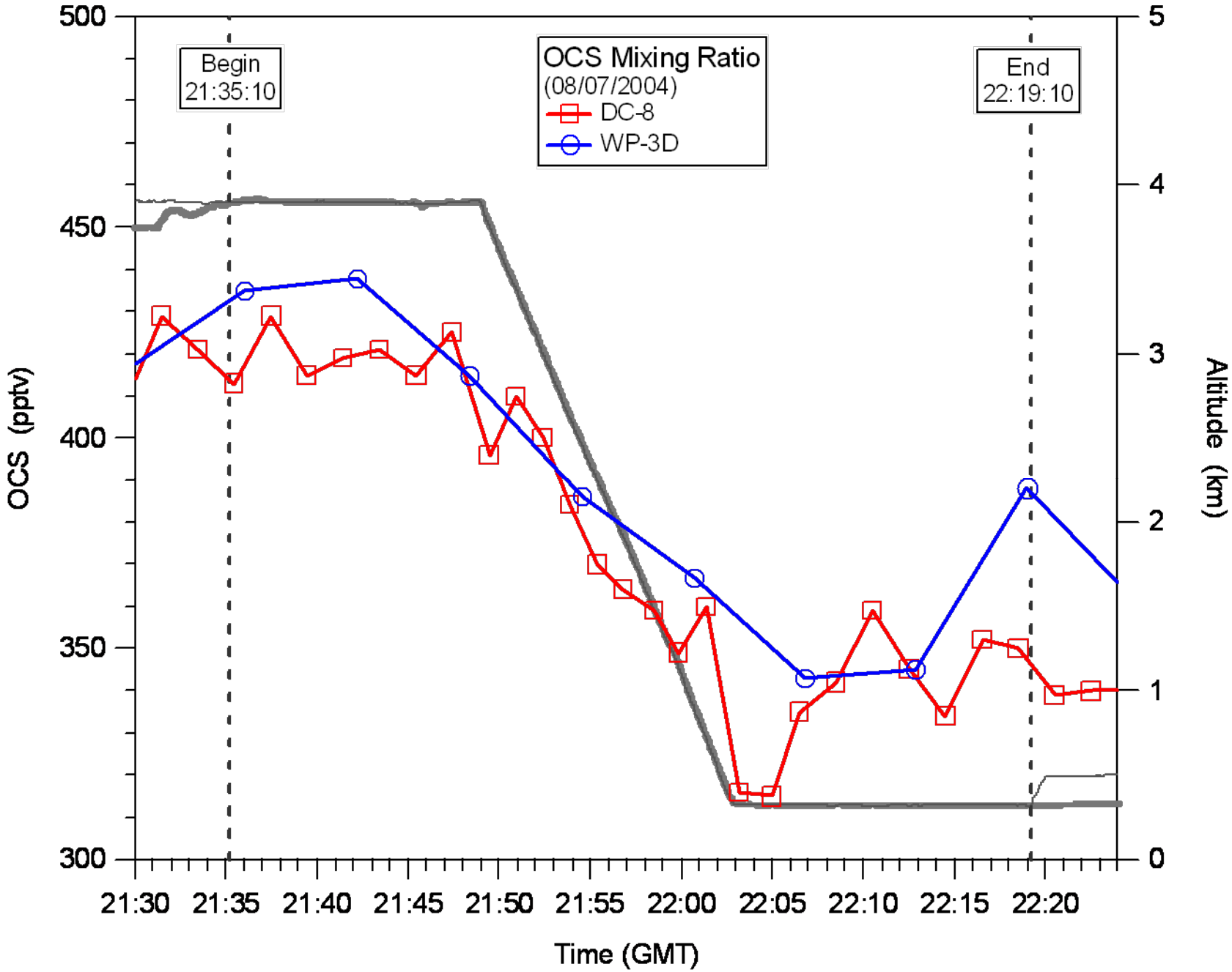

CHCl3 Mixing Ratio
(08/07/2004)
DC-8
WP-3D
Begin
21:35:10
End
22:19:10
CHCl3 (pptv)
Altitude (km)
Time (GMT)
25
20
15
10
5
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

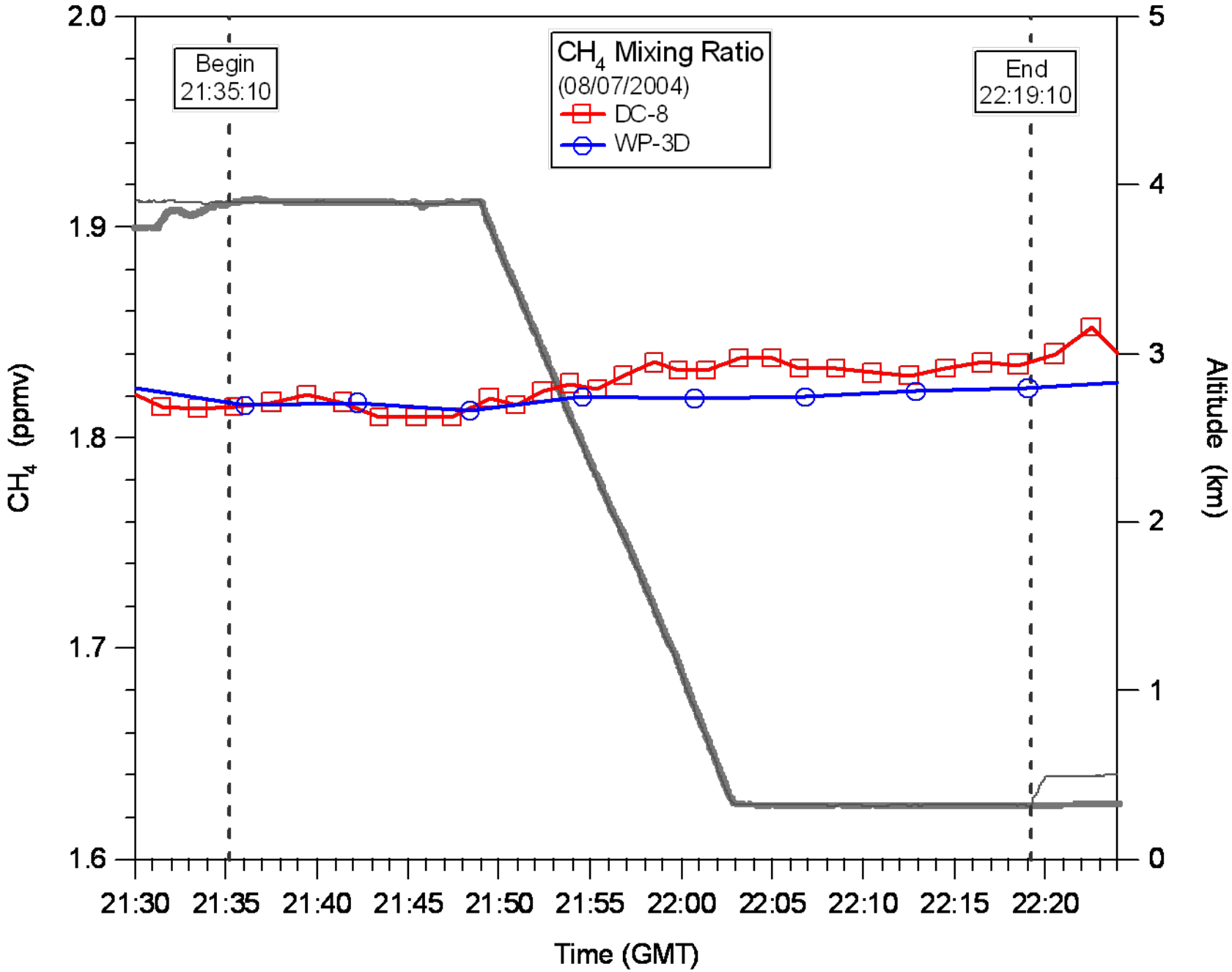

HCFC-22 Mixing Ratio
(08/07/2004)
DC-8
WP-3D
Begin
21:35:10
End
22:19:10
HCFC_22 (pptv)
Altitude (km)
Time (GMT)
200
190
180
170
160
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

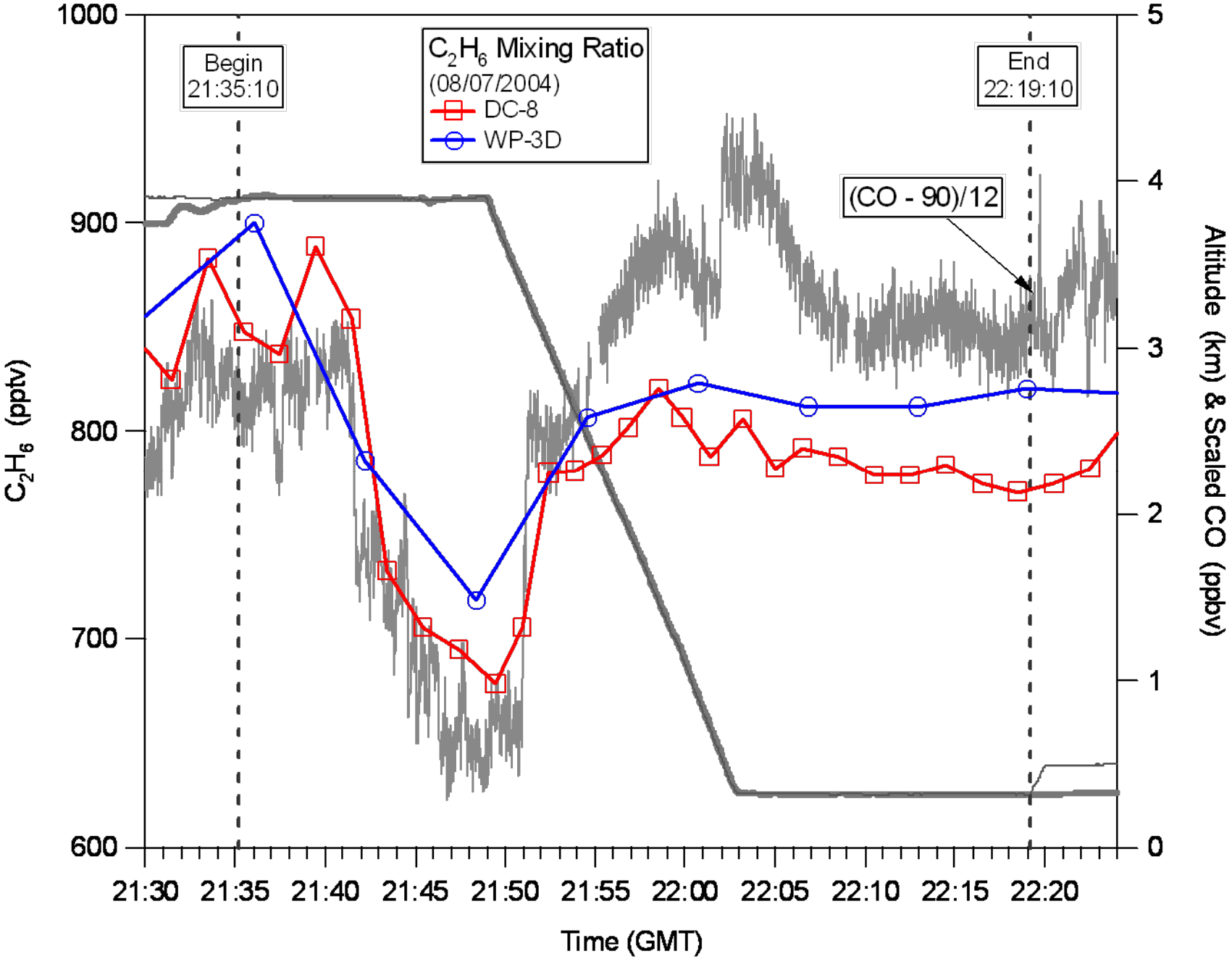

Begin
21:35:10
End
22:19:10
C_2Cl_4 Mixing Ratio
(08/07/2004)
DC-8
WP-3D
C_2Cl_4 (pptv)
Altitude (km)
Time (GMT)
0
2
4
6
8
10
12
14
0
1
2
3
4
5
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

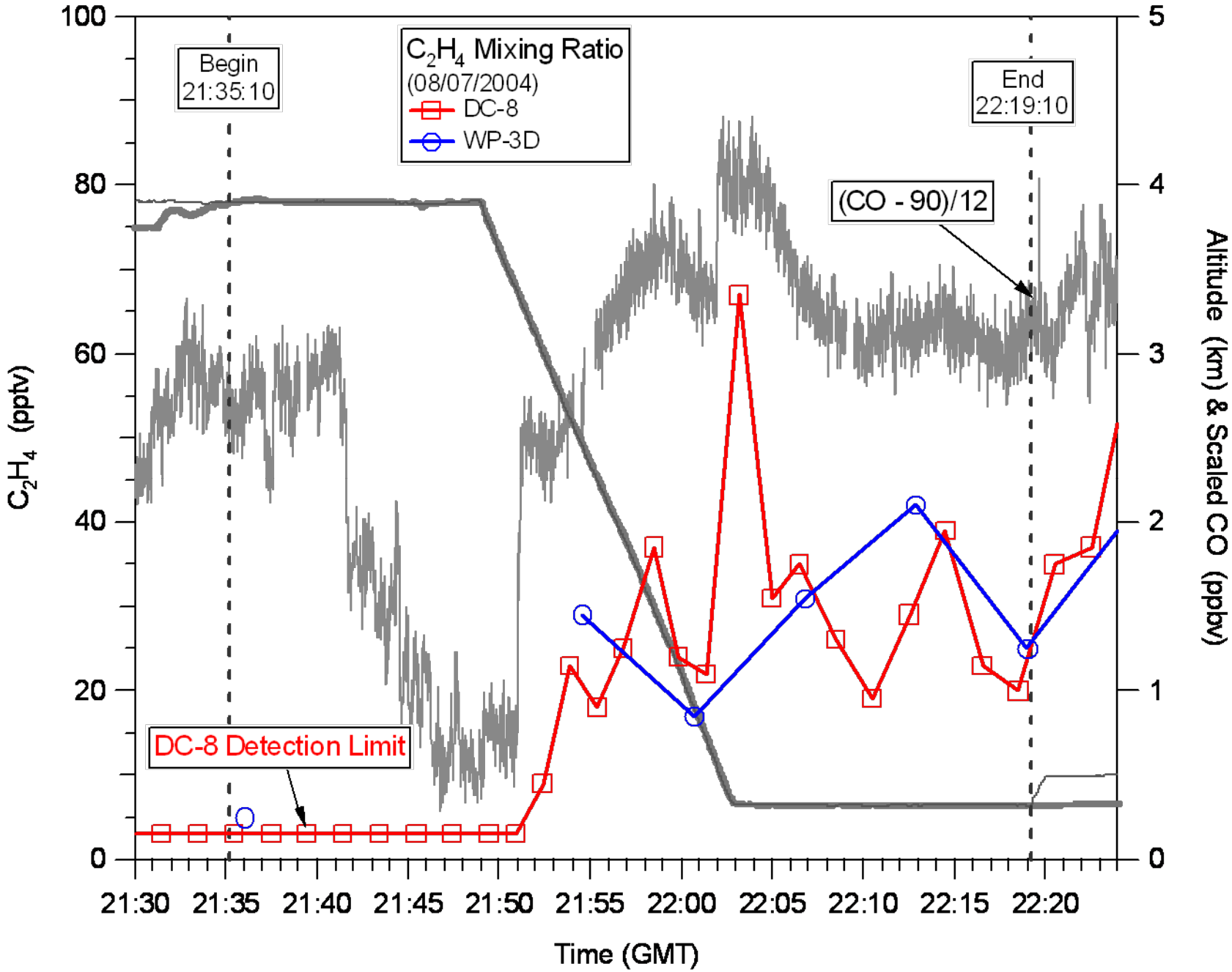

Begin
21:35:10
End
22:19:10
CH_2Cl_2 Mixing Ratio
(08/07/2004)
DC-8
WP-3D
30
28
26
24
22
20
18
5
4
3
2
1
0
CH_2Cl_2 (pptv)
Altitude (km)
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20
Time (GMT)

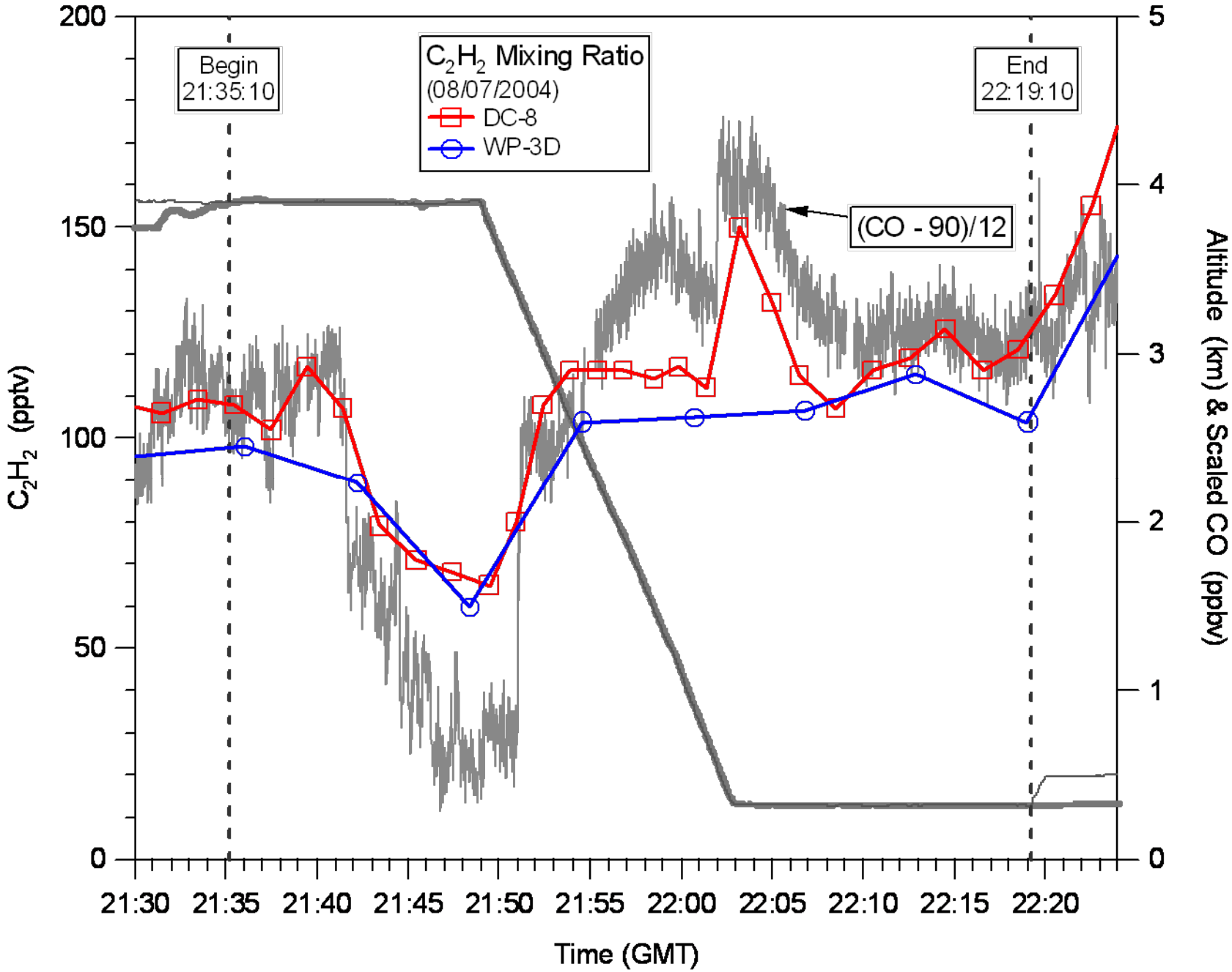

CH_3CCl_3 Mixing Ratio
(08/07/2004)
DC-8
WP-3D
Begin
21:35:10
End
22:19:10
CH_3CCl_3 (pptv)
Altitude (km)
Time (GMT)
30
25
20
15
10
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

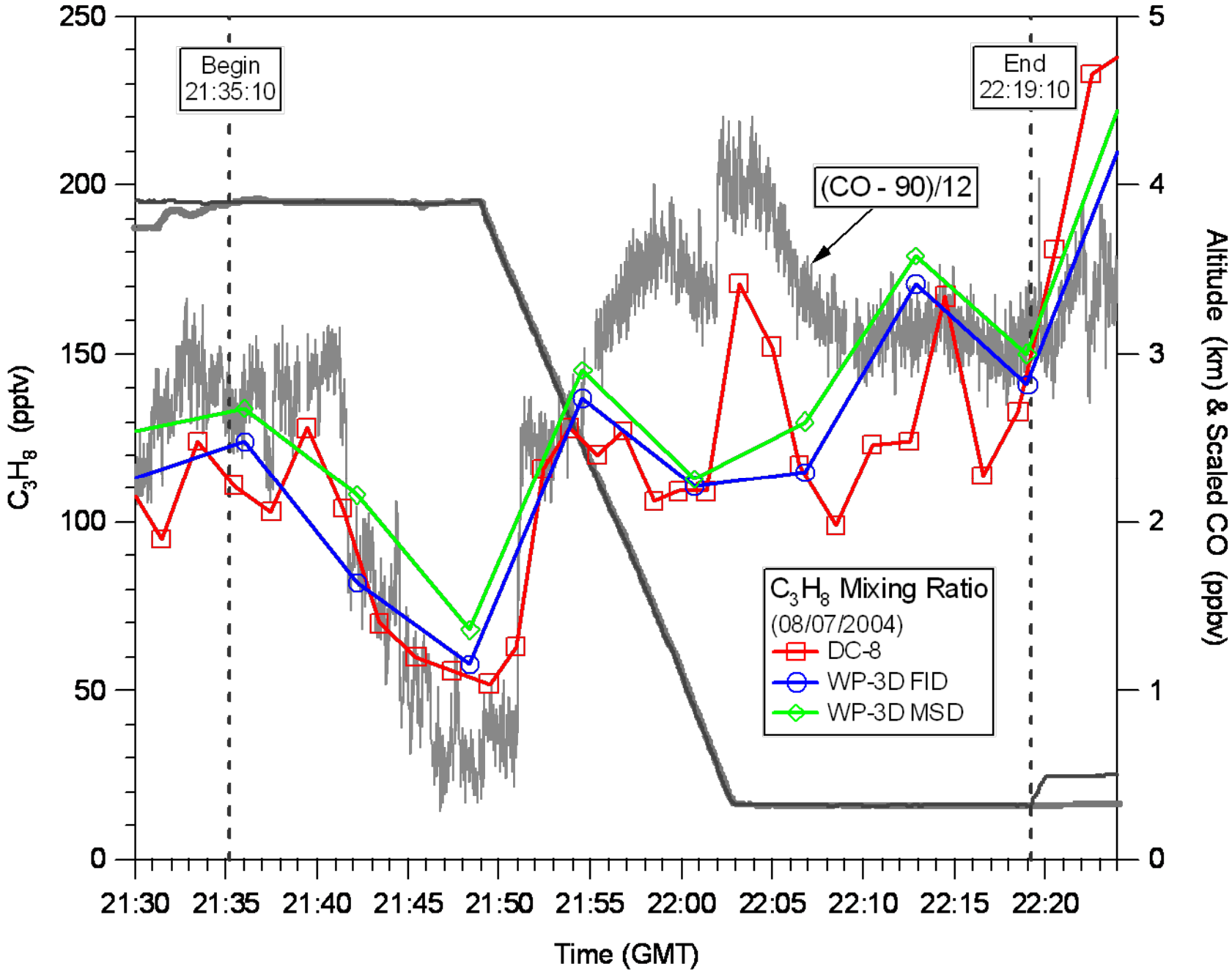

OCS Mixing Ratio
(08/07/2004)
DC-8
WP-3D
Begin
21:35:10
End
22:19:10
OCS (pptv)
Altitude (km)
Time (GMT)
500
450
400
350
300
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

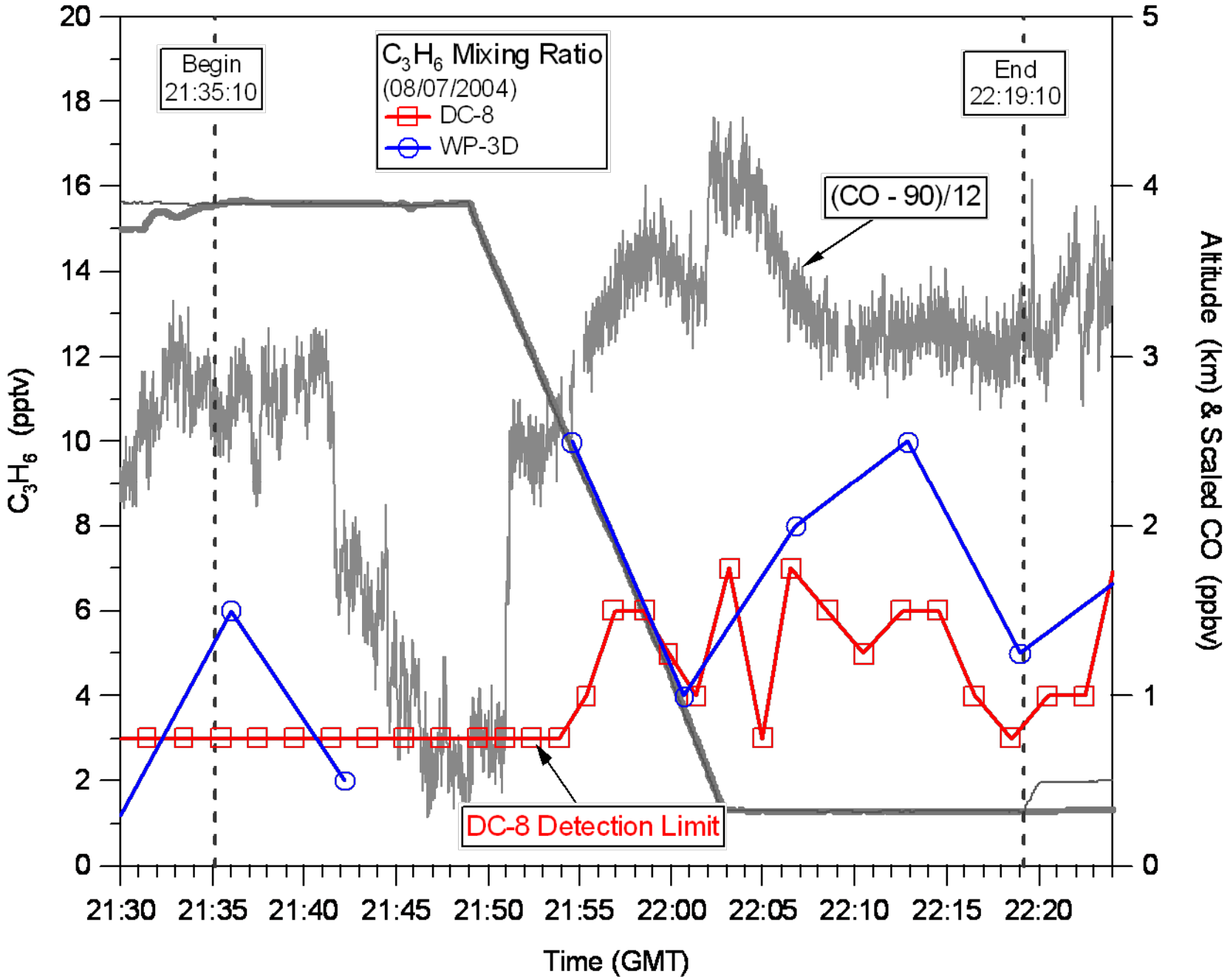

CH4 Mixing Ratio
(08/07/2004)
DC-8
WP-3D
Begin
21:35:10
End
22:19:10
CH4 (ppmv)
Altitude (km)
Time (GMT)
2.0
1.9
1.8
1.7
1.6
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

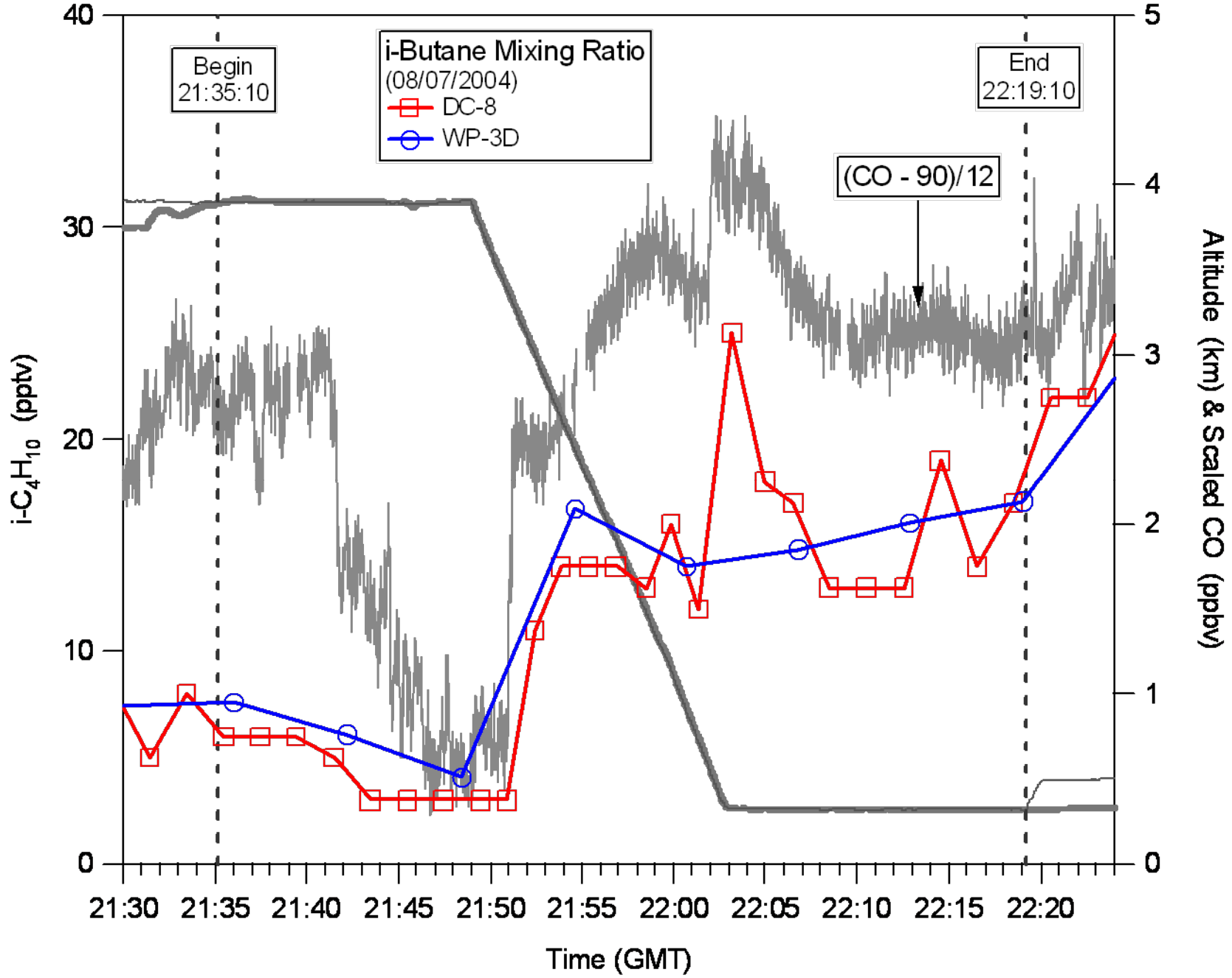

Begin
21:35:10
C_2H_6 Mixing Ratio
(08/07/2004)
DC-8
WP-3D
End
22:19:10
(CO - 90)/12
1000
900
800
700
600
5
4
3
2
1
0
C_2H_6 (pptv)
Altitude (km) & Scaled CO (ppbv)
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20
Time (GMT)

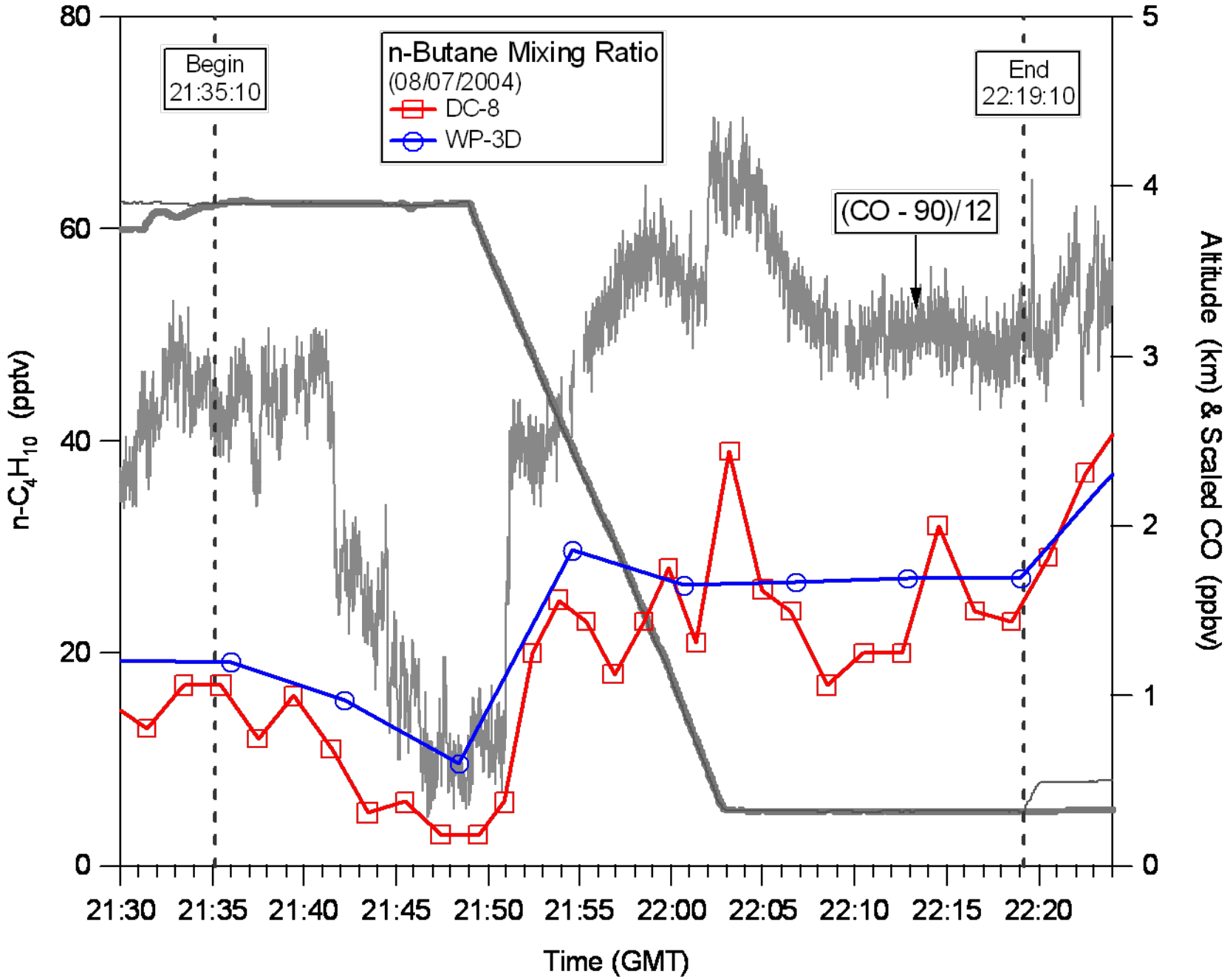

C_2H_4 Mixing Ratio
(08/07/2004)
DC-8
WP-3D
Begin
21:35:10
End
22:19:10
(CO - 90)/12
DC-8 Detection Limit
C_2H_4 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
100
80
60
40
20
0
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

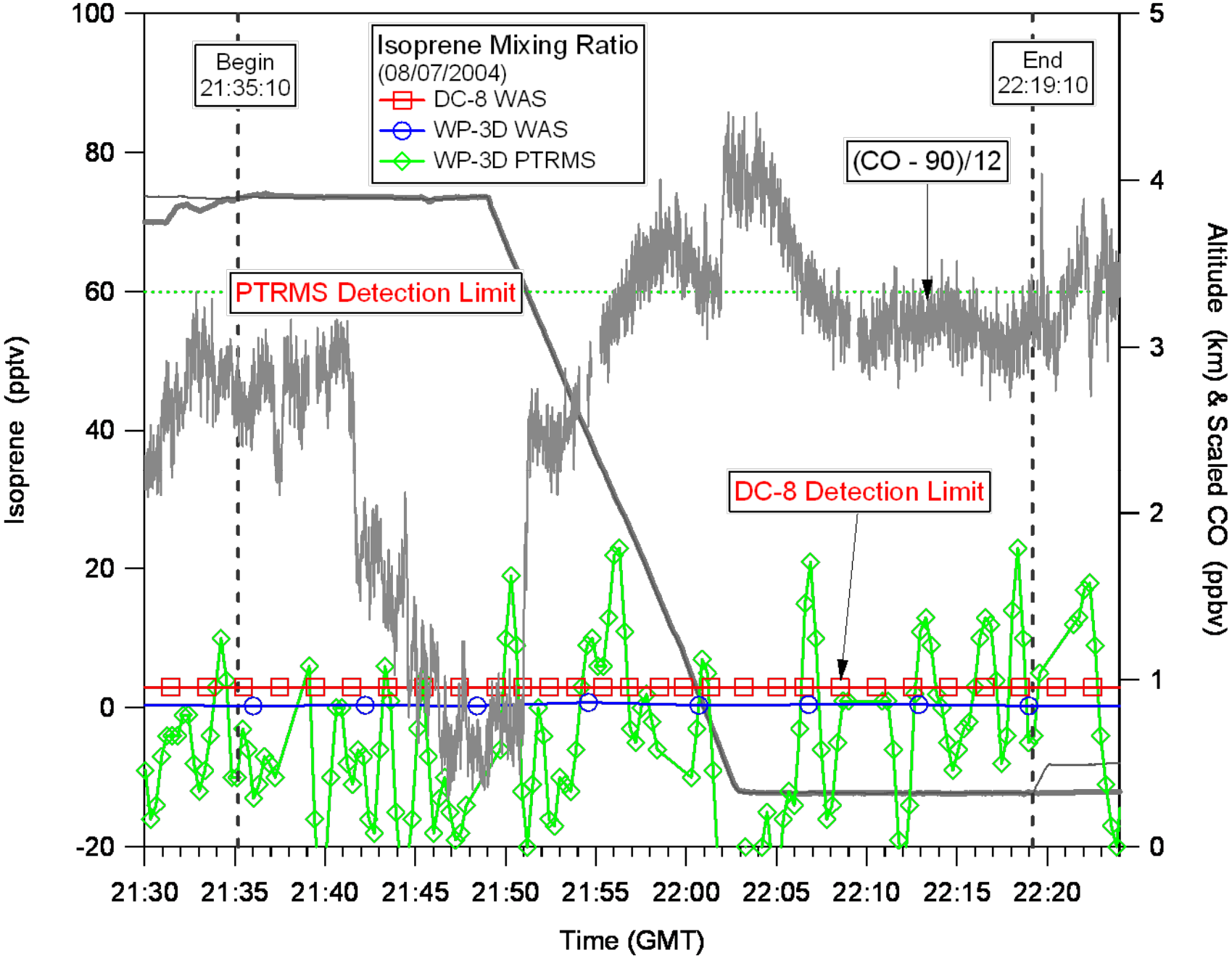

Begin
21:35:10
C_2H_2 Mixing Ratio
(08/07/2004)
DC-8
WP-3D
End
22:19:10
(CO - 90)/12
C_2H_2 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
200
150
100
50
0
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

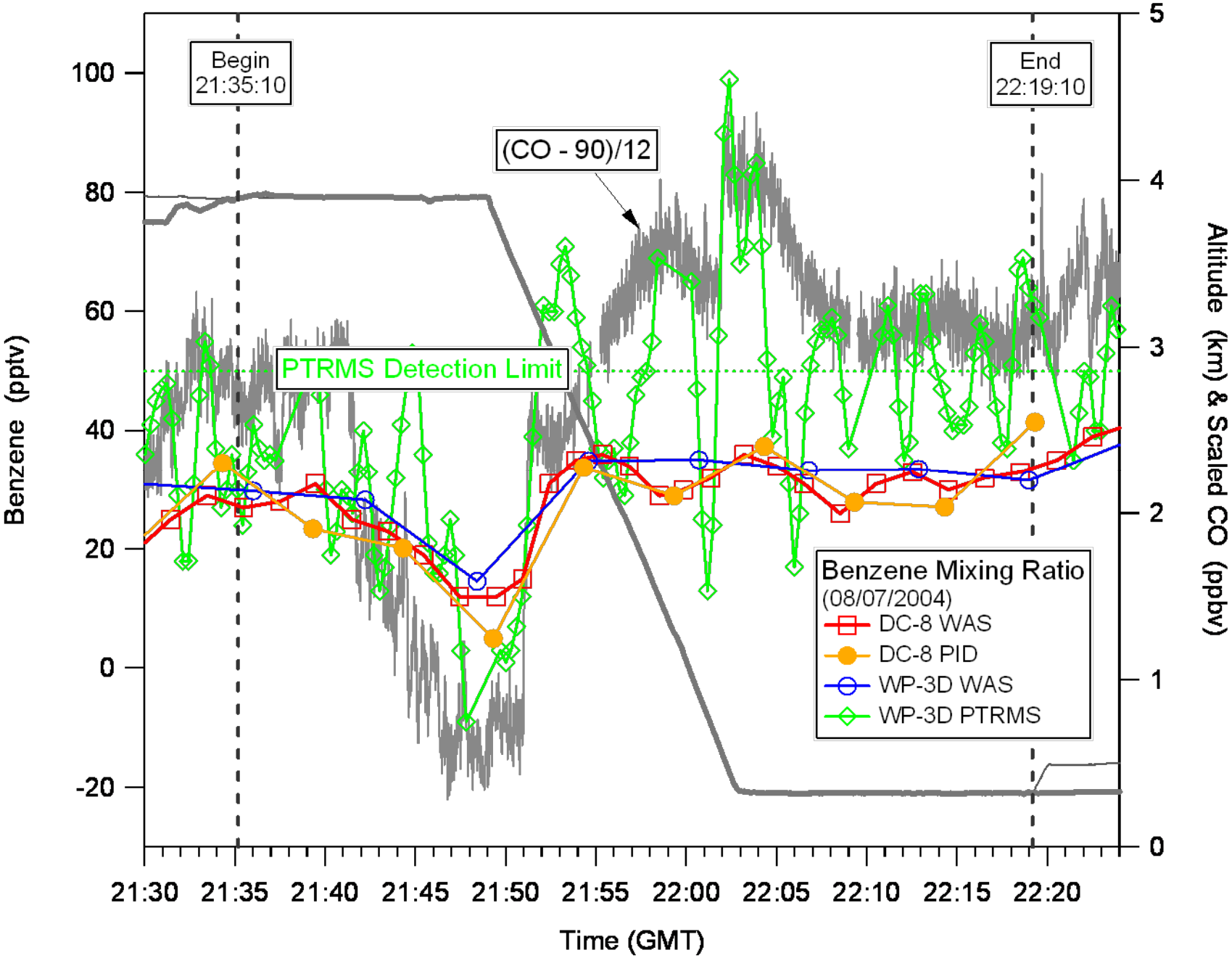

Begin
21:35:10
End
22:19:10
(CO - 90)/12
C_3H_8 Mixing Ratio
(08/07/2004)
DC-8
WP-3D FID
WP-3D MSD
C_3H_8 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
250
200
150
100
50
0
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20

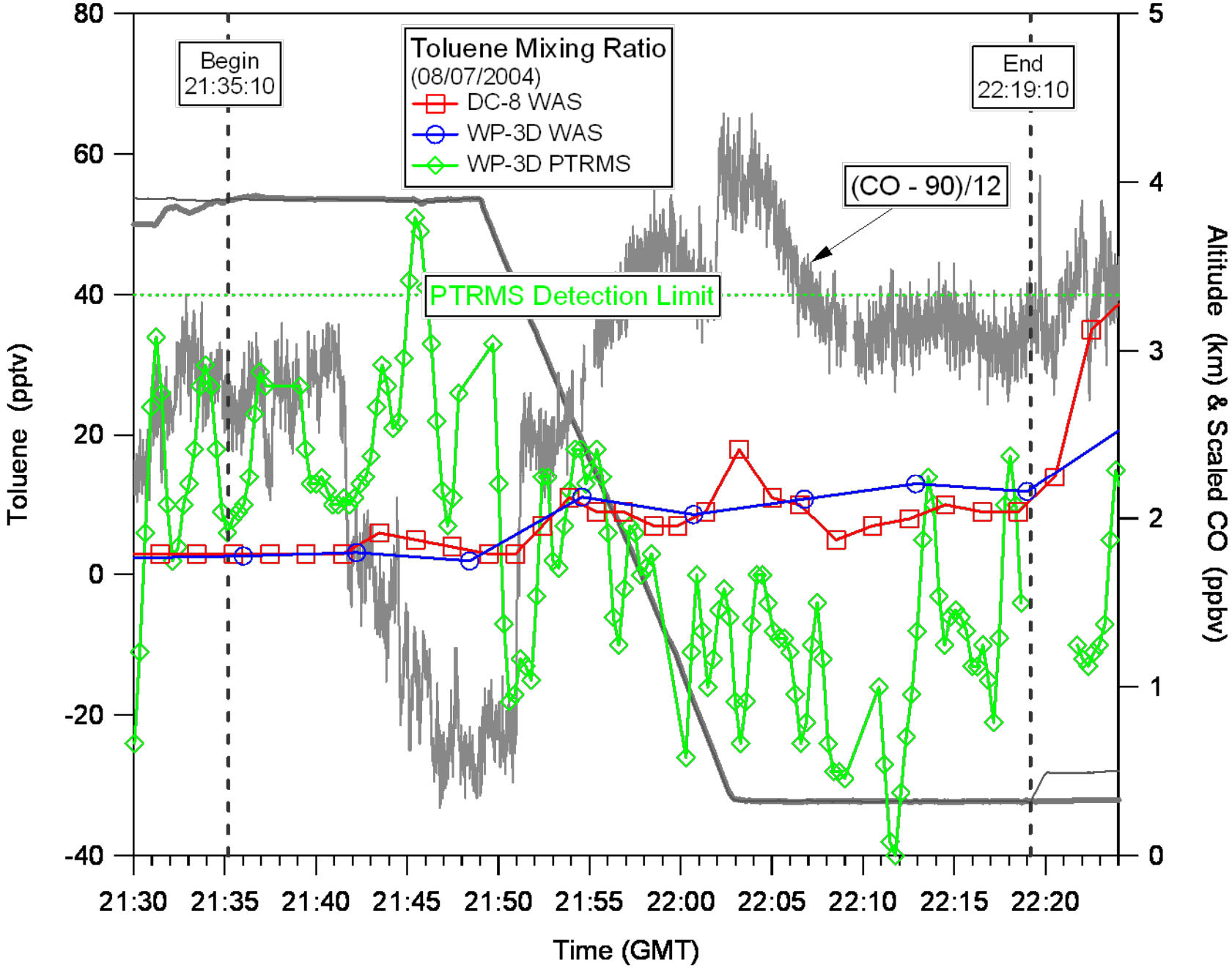

Begin
21:35:10
C_3H_6 Mixing Ratio
(08/07/2004)
DC-8
WP-3D
End
22:19:10
(CO - 90)/12
DC-8 Detection Limit
C_3H_6 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
2
4
6
8
10
12
14
16
18
20
0
1
2
3
4
5
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20


i-Butane Mixing Ratio
(08/07/2004)
DC-8
WP-3D
Begin
21:35:10
End
22:19:10
(CO - 90)/12
i-C4H10 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
10
20
30
40
0
1
2
3
4
5
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20


n-Butane Mixing Ratio
(08/07/2004)
DC-8
WP-3D
Begin
21:35:10
End
22:19:10
(CO - 90)/12
n-C4H10 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
20
40
60
80
0
1
2
3
4
5
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20


Isoprene Mixing Ratio
(08/07/2004)
DC-8 WAS
WP-3D WAS
WP-3D PTRMS
Begin
21:35:10
End
22:19:10
(CO - 90)/12
PTRMS Detection Limit
DC-8 Detection Limit
Isoprene (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
100
80
60
40
20
0
-20
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20


Begin
21:35:10
End
22:19:10
(CO - 90)/12
PTRMS Detection Limit
Benzene Mixing Ratio
(08/07/2004)
DC-8 WAS
DC-8 PID
WP-3D WAS
WP-3D PTRMS
Benzene (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
100
80
60
40
20
0
-20
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20


Toluene Mixing Ratio
(08/07/2004)
DC-8 WAS
WP-3D WAS
WP-3D PTRMS
Begin
21:35:10
End
22:19:10
(CO - 90)/12
PTRMS Detection Limit
Toluene (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
80
60
40
20
0
-20
-40
5
4
3
2
1
0
21:30
21:35
21:40
21:45
21:50
21:55
22:00
22:05
22:10
22:15
22:20