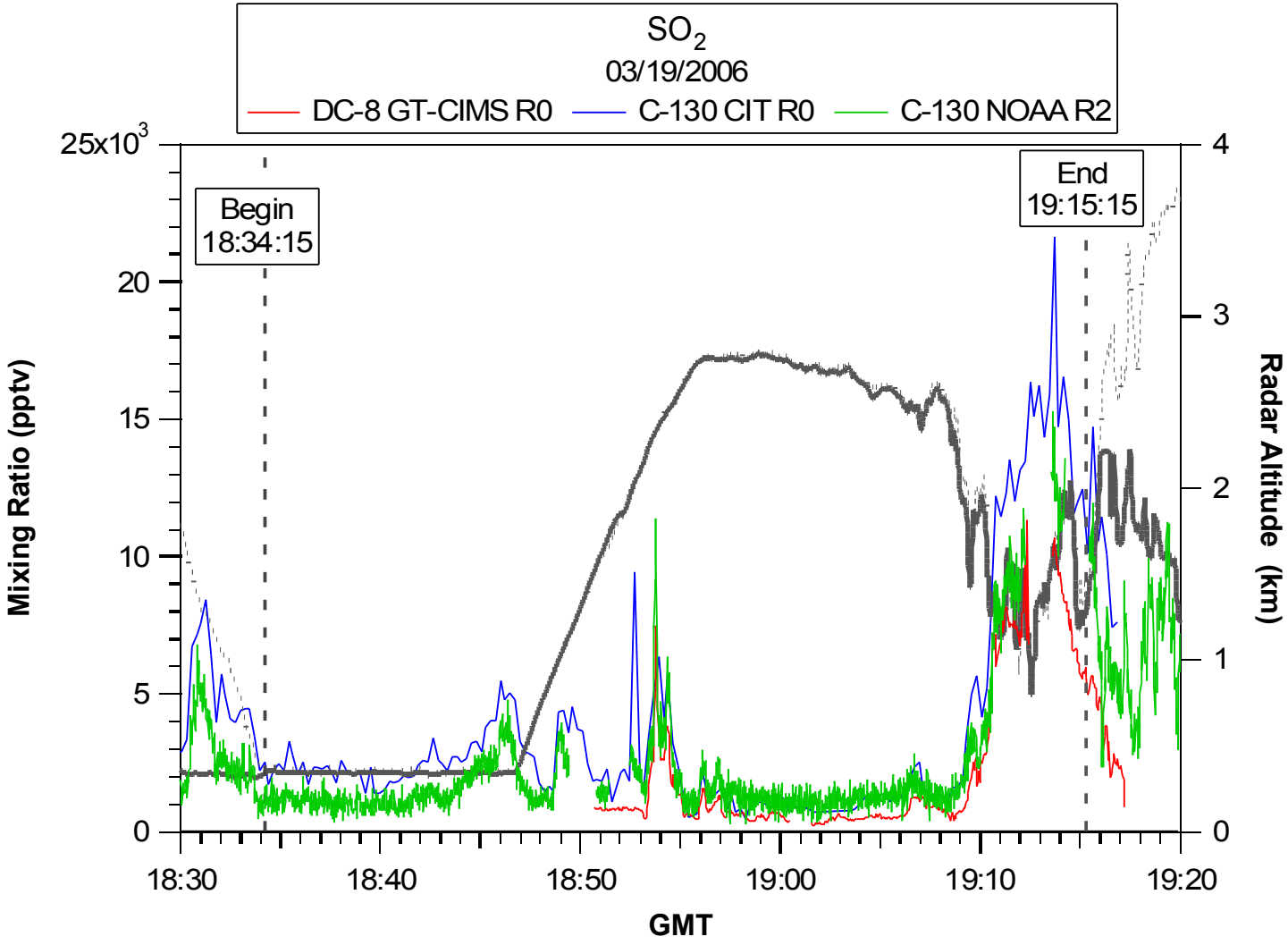
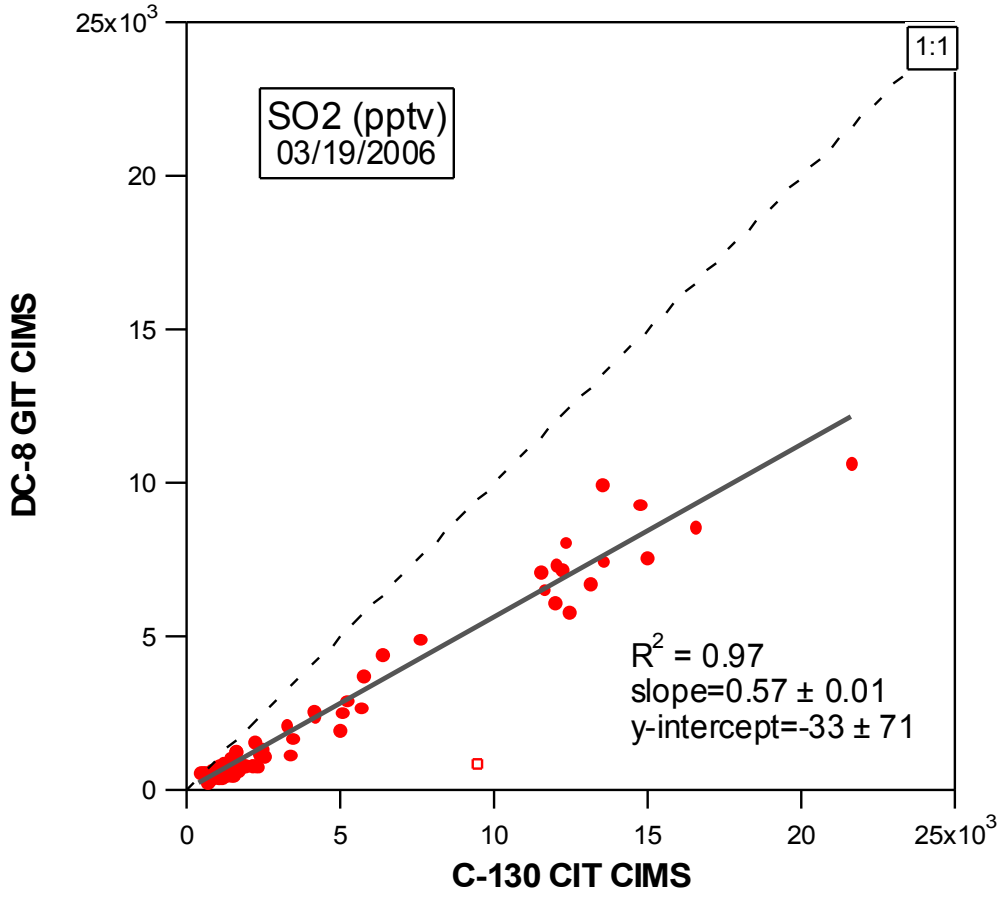
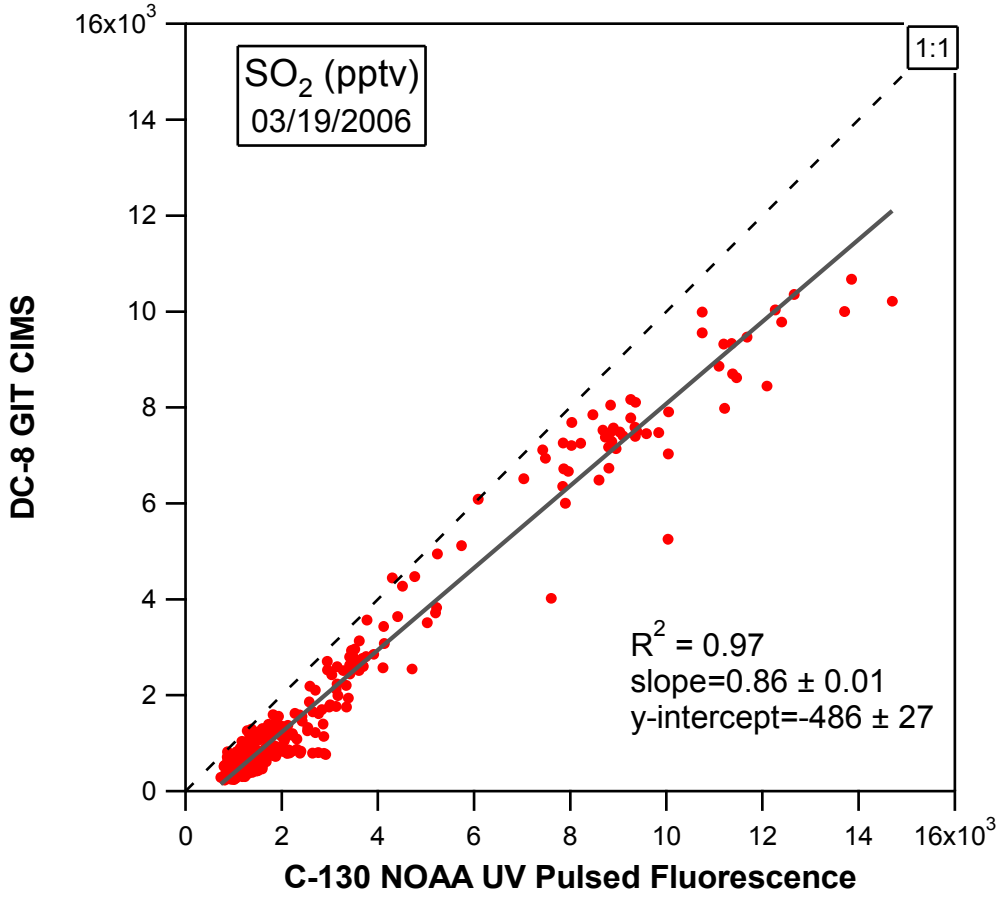
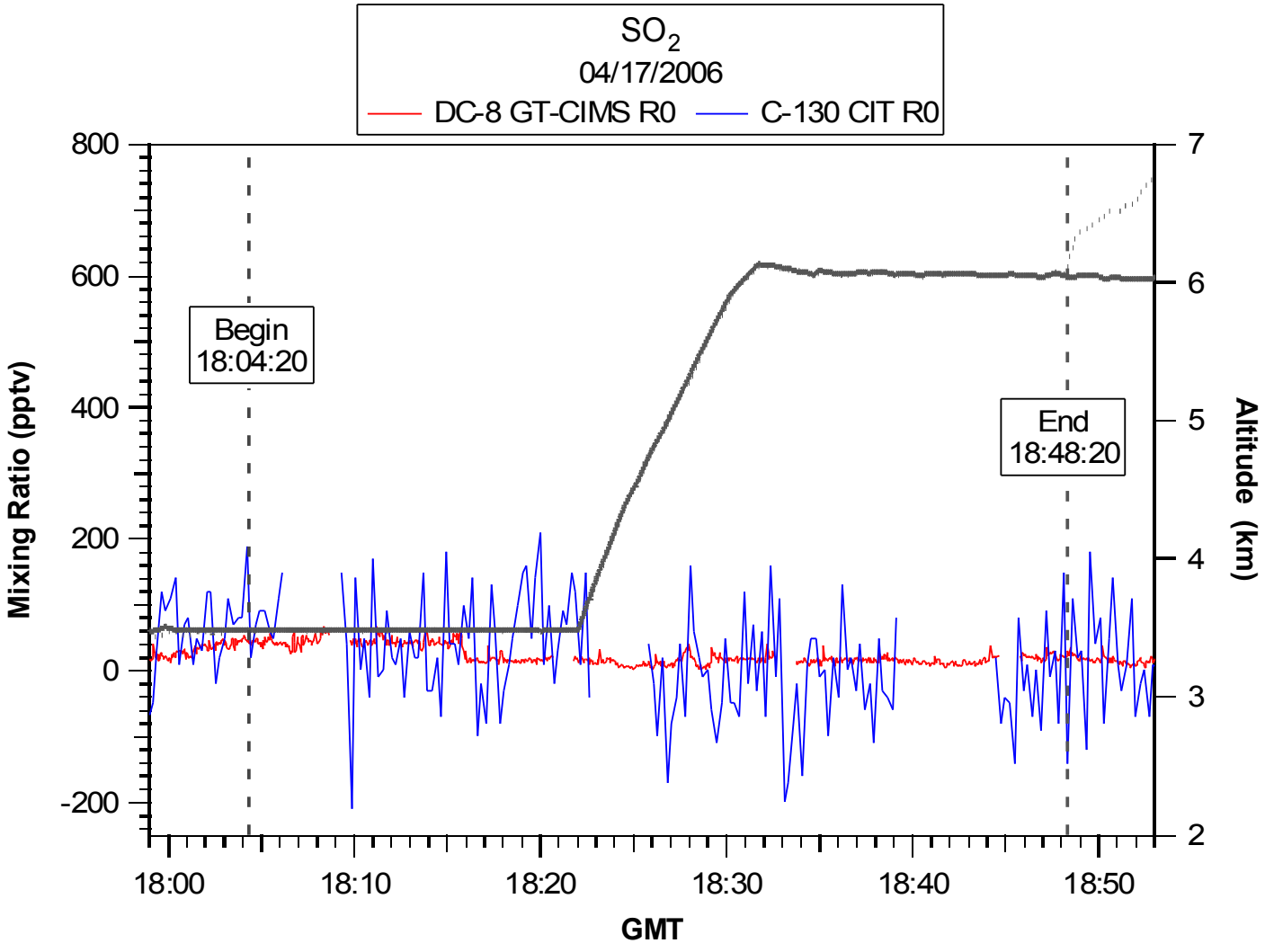
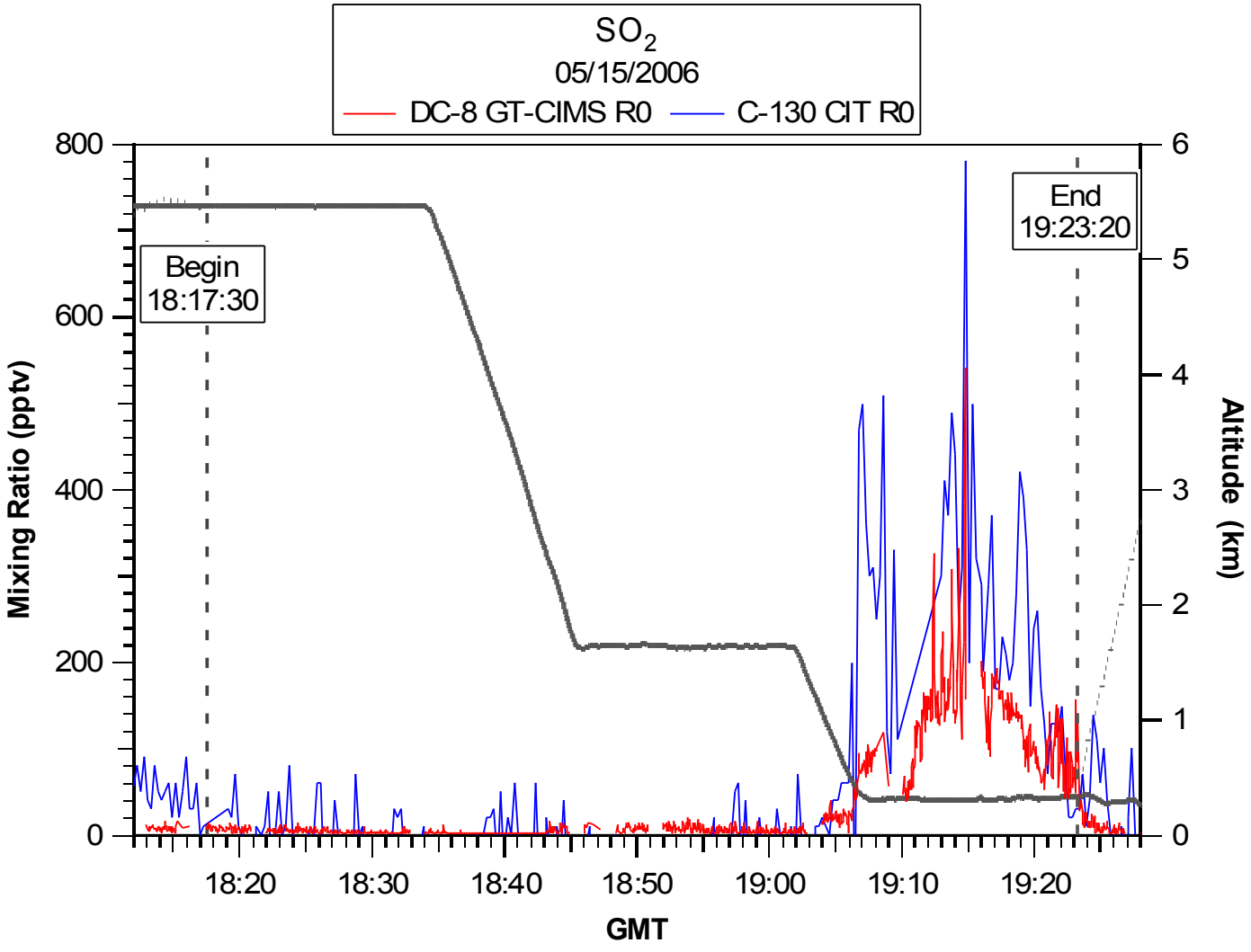
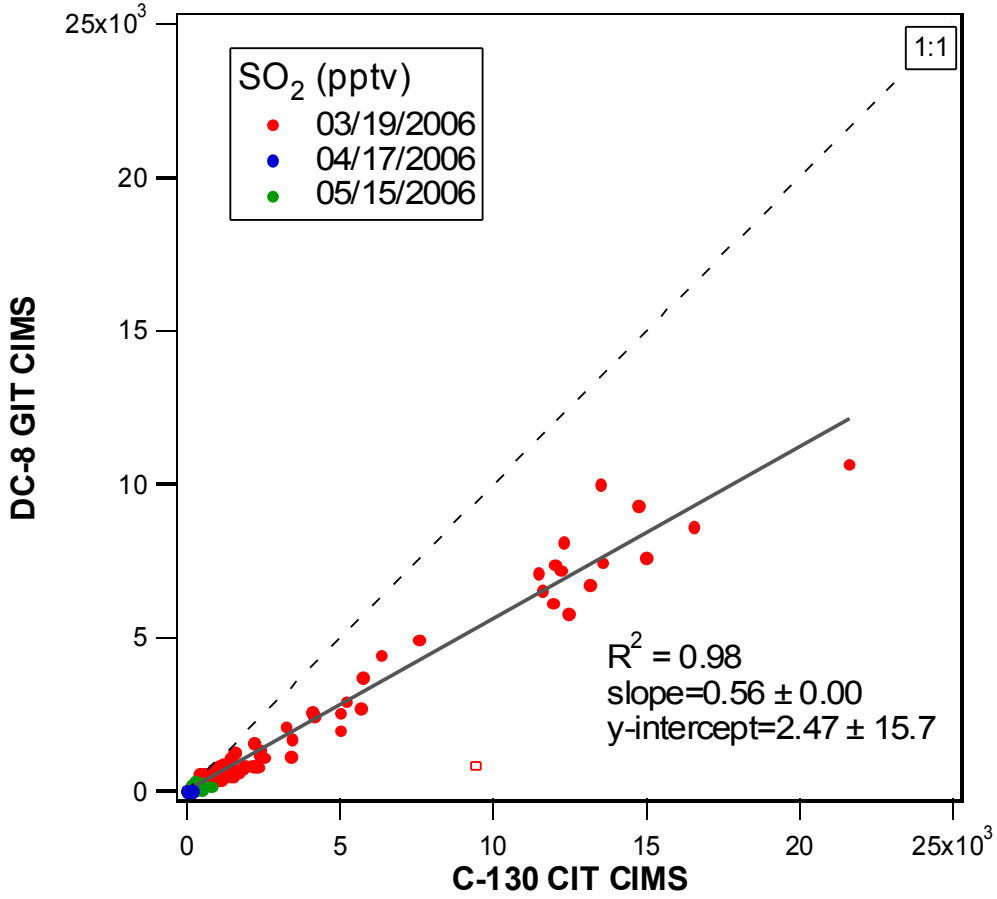

SO2
03/19/2006
DC-8 GT-CIMS R0
C-130 CIT R0
C-130 NOAA R2
Begin
18:34:15
End
19:15:15
Mixing Ratio (pptv)
25x10^3
20
15
10
5
0
Radar Altitude (km)
4
3
2
1
0
18:30
18:40
18:50
19:00
19:10
19:20
GMT

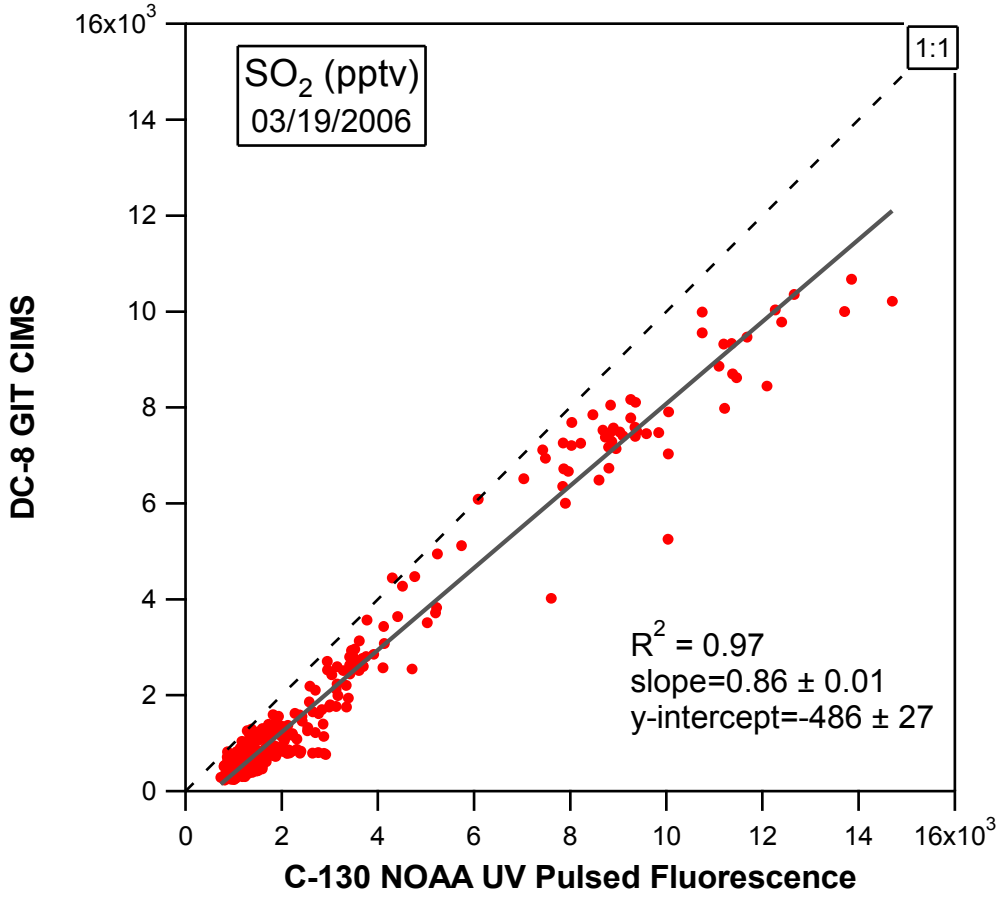

SO2 (pptv)
03/19/2006
1:1
R^2 = 0.97
slope=0.57 ± 0.01
y-intercept=-33 ± 71
DC-8 GIT CIMS
C-130 CIT CIMS
0
5
10
15
20
25x10^3

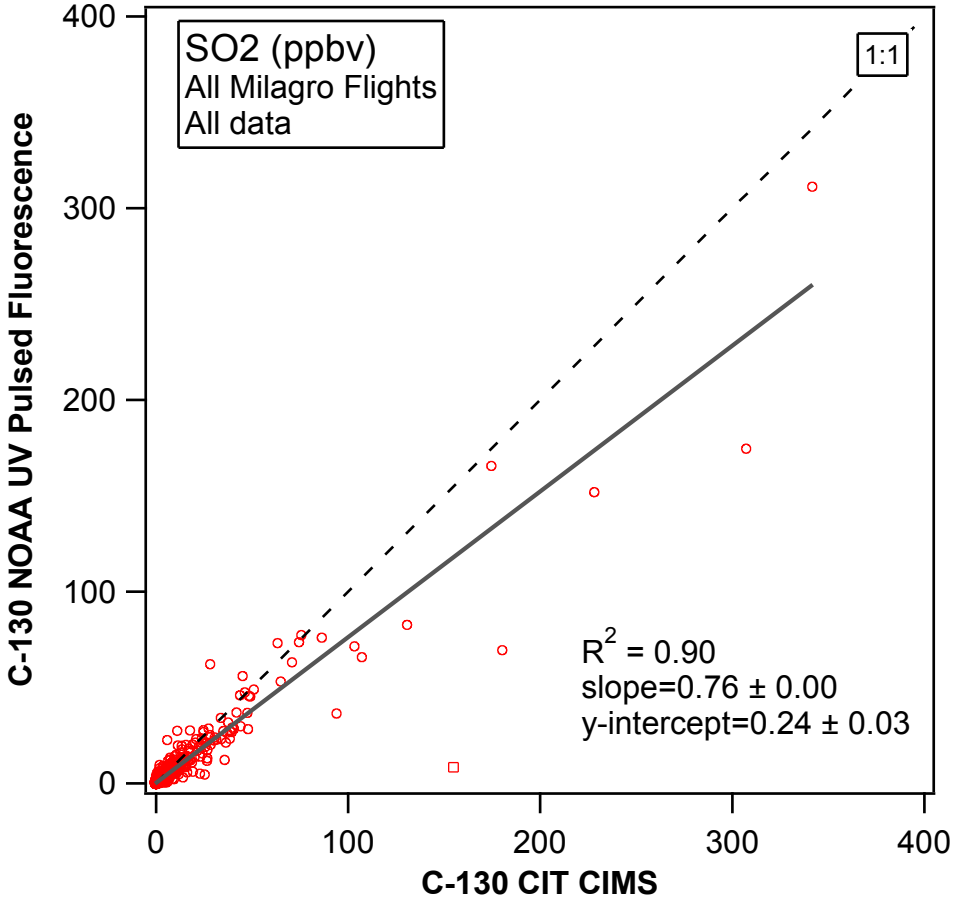

SO2 (pptv)
03/19/2006
1:1
R2 = 0.97
slope=0.86 ± 0.01
y-intercept=-486 ± 27
DC-8 GIT CIMS
C-130 NOAA UV Pulsed Fluorescence
0
2
4
6
8
10
12
14
16x10^3

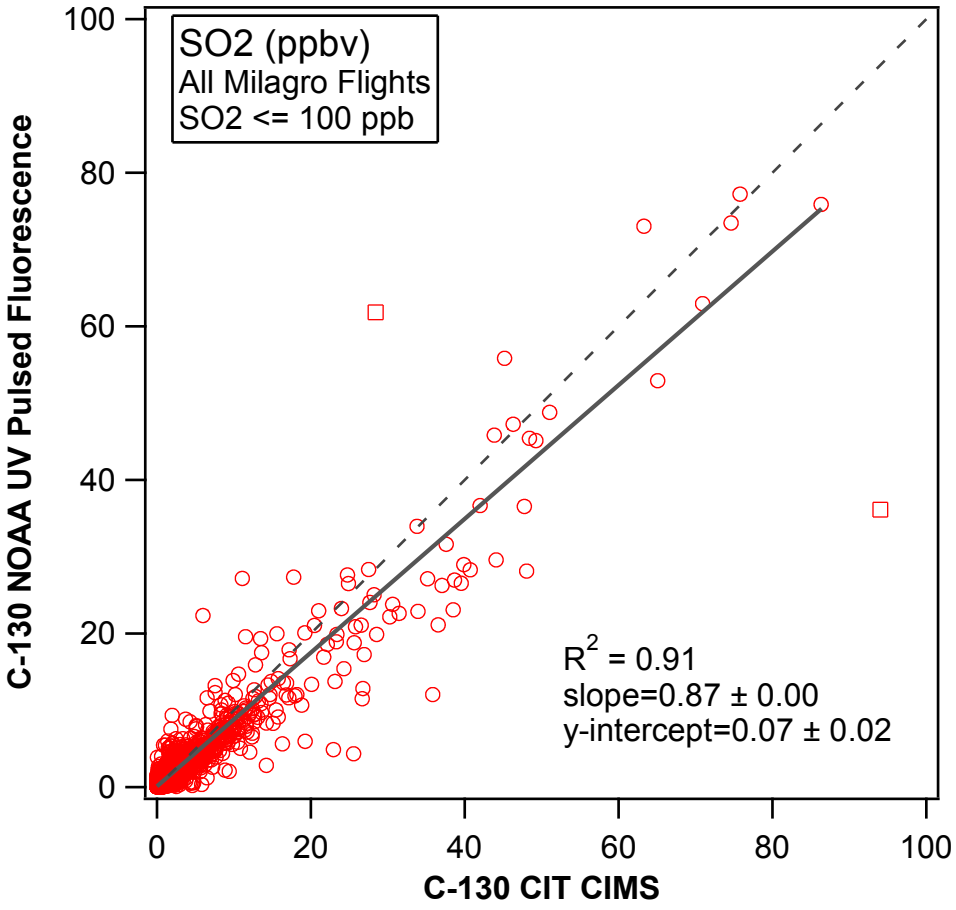

SO2
04/17/2006
DC-8 GT-CIMS R0
C-130 CIT R0
Begin
18:04:20
End
18:48:20
Mixing Ratio (pptv)
Altitude (km)
GMT
800
600
400
200
0
-200
7
6
5
4
3
2
18:00
18:10
18:20
18:30
18:40
18:50


SO2
05/15/2006
DC-8 GT-CIMS R0
C-130 CIT R0
Begin
18:17:30
End
19:23:20
Mixing Ratio (pptv)
Altitude (km)
GMT
800
600
400
200
0
6
5
4
3
2
1
0
18:20
18:30
18:40
18:50
19:00
19:10
19:20


SO2 (pptv)
03/19/2006
04/17/2006
05/15/2006
1:1
R2 = 0.98
slope=0.56 ± 0.00
y-intercept=2.47 ± 15.7
DC-8 GIT CIMS
C-130 CIT CIMS
0
5
10
15
20
25x103


SO2 (pptv)
03/19/2006
1:1
R2 = 0.97
slope=0.86 ± 0.01
y-intercept=-486 ± 27
DC-8 GIT CIMS
C-130 NOAA UV Pulsed Fluorescence
0
2
4
6
8
10
12
14
16x10^3


SO2 (ppbv)
All Milagro Flights
All data
1:1
R2 = 0.90
slope=0.76 ± 0.00
y-intercept=0.24 ± 0.03
C-130 NOAA UV Pulsed Fluorescence
C-130 CIT CIMS
0
100
200
300
400


SO2 (ppbv)
All Milagro Flights
SO2 <= 100 ppb
R2 = 0.91
slope=0.87 ± 0.00
y-intercept=0.07 ± 0.02
C-130 NOAA UV Pulsed Fluorescence
C-130 CIT CIMS
0
20
40
60
80
100