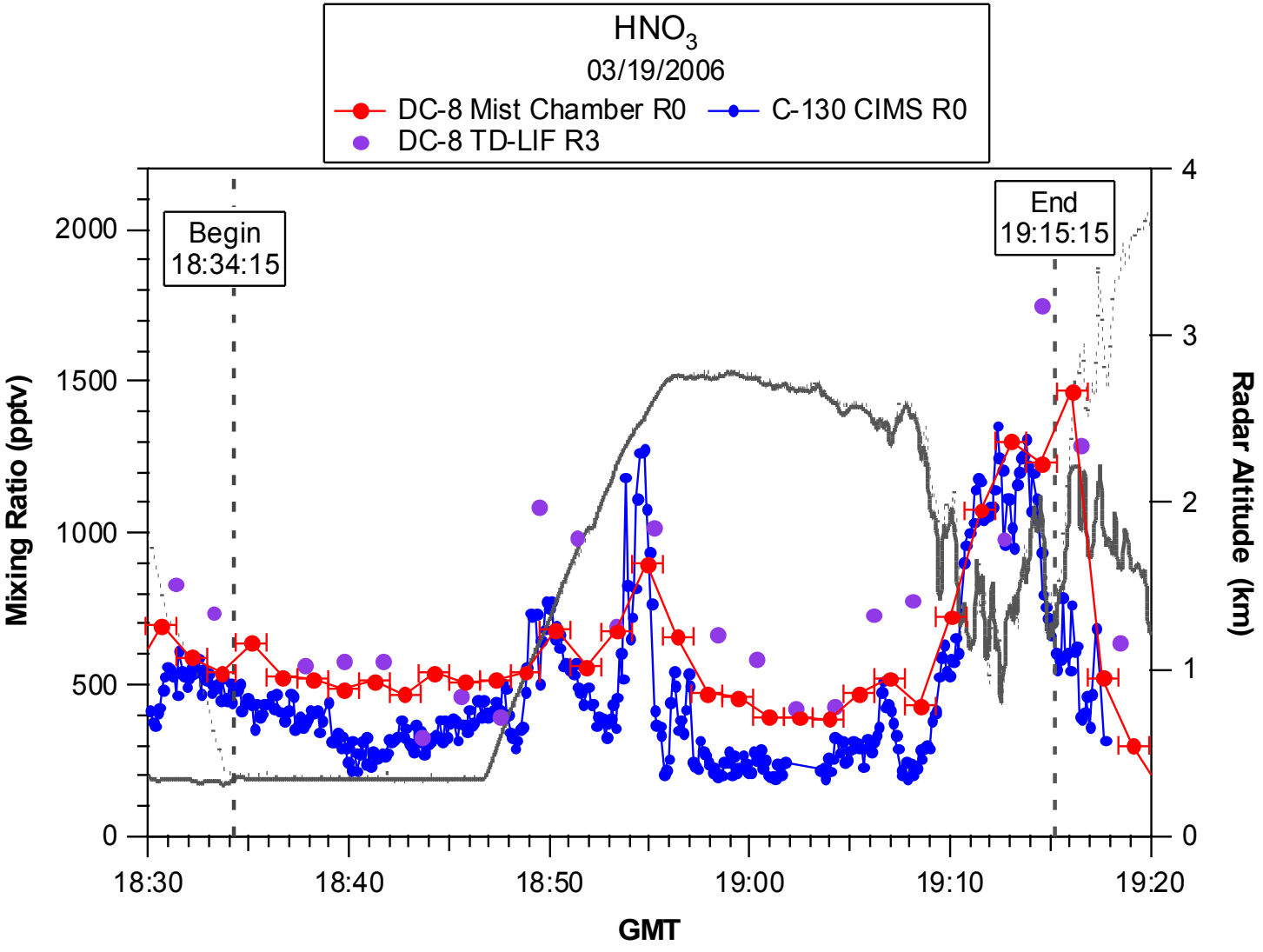
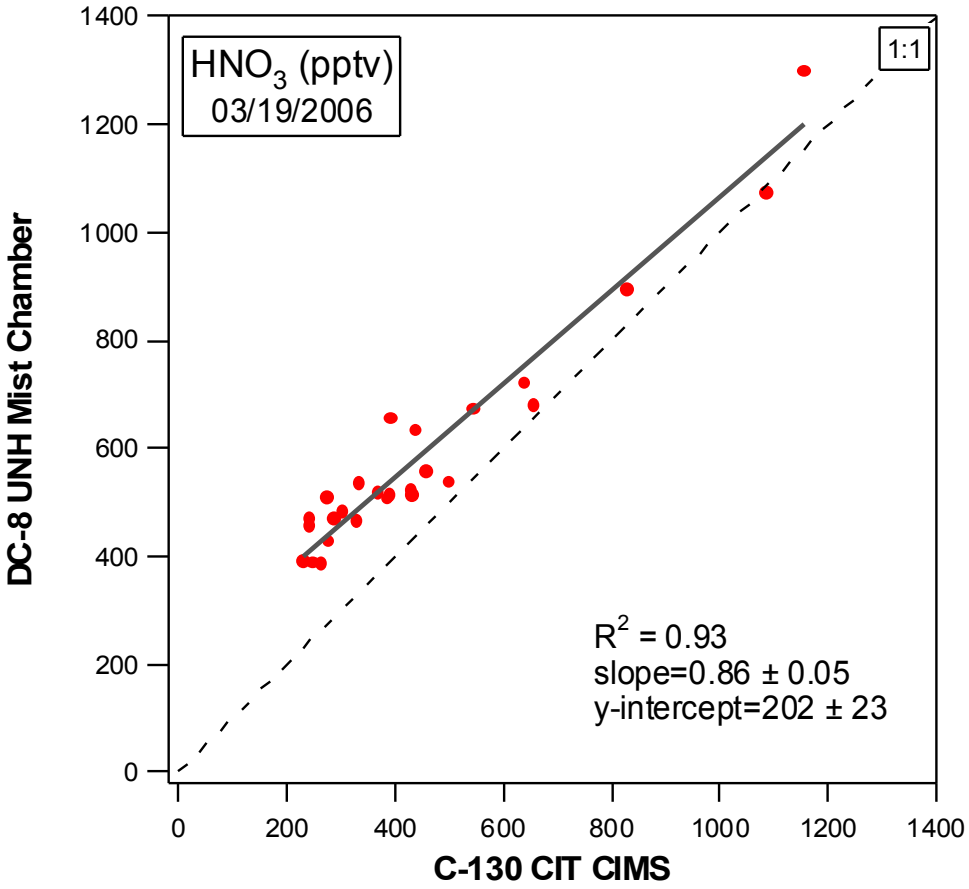
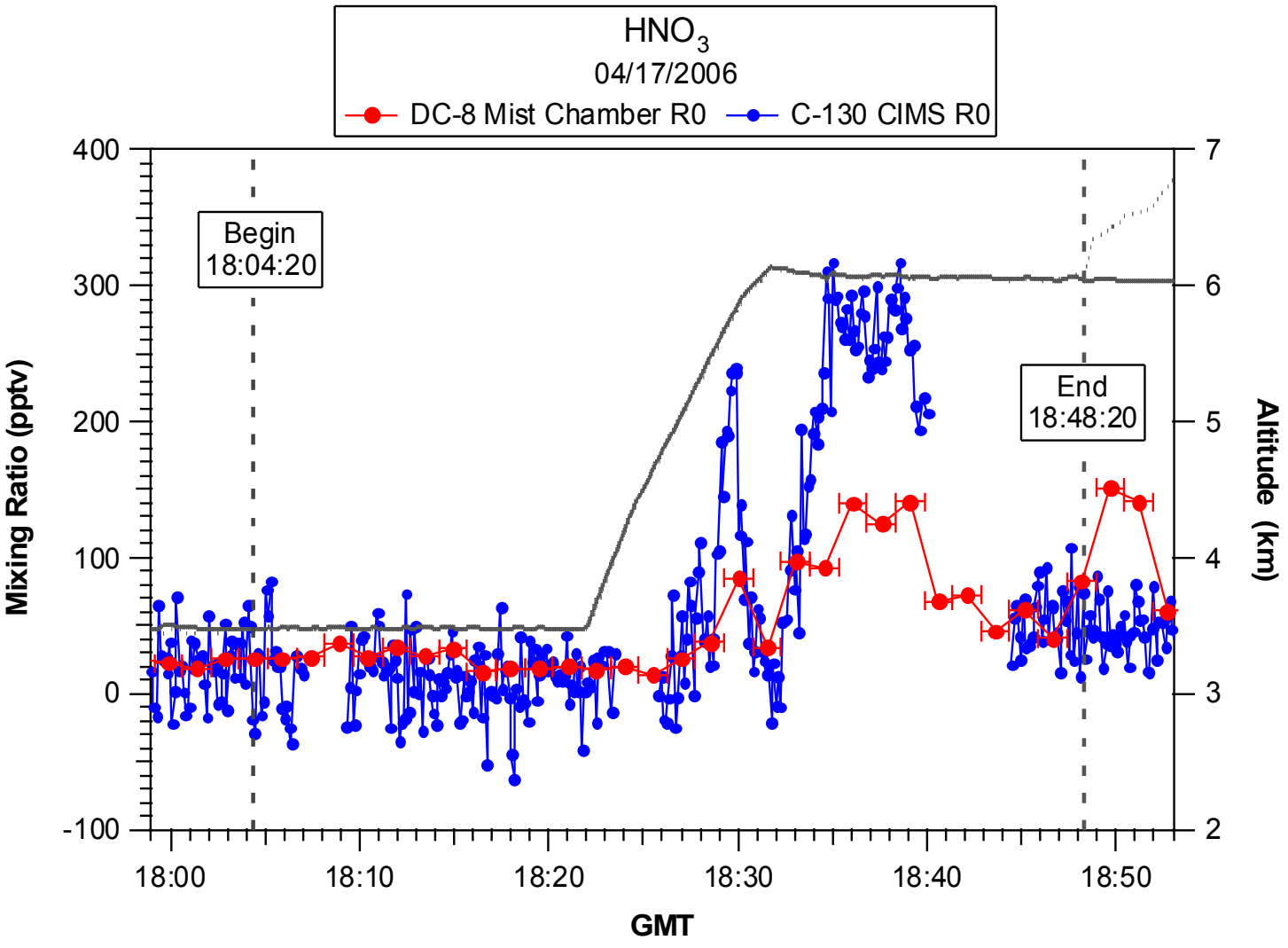
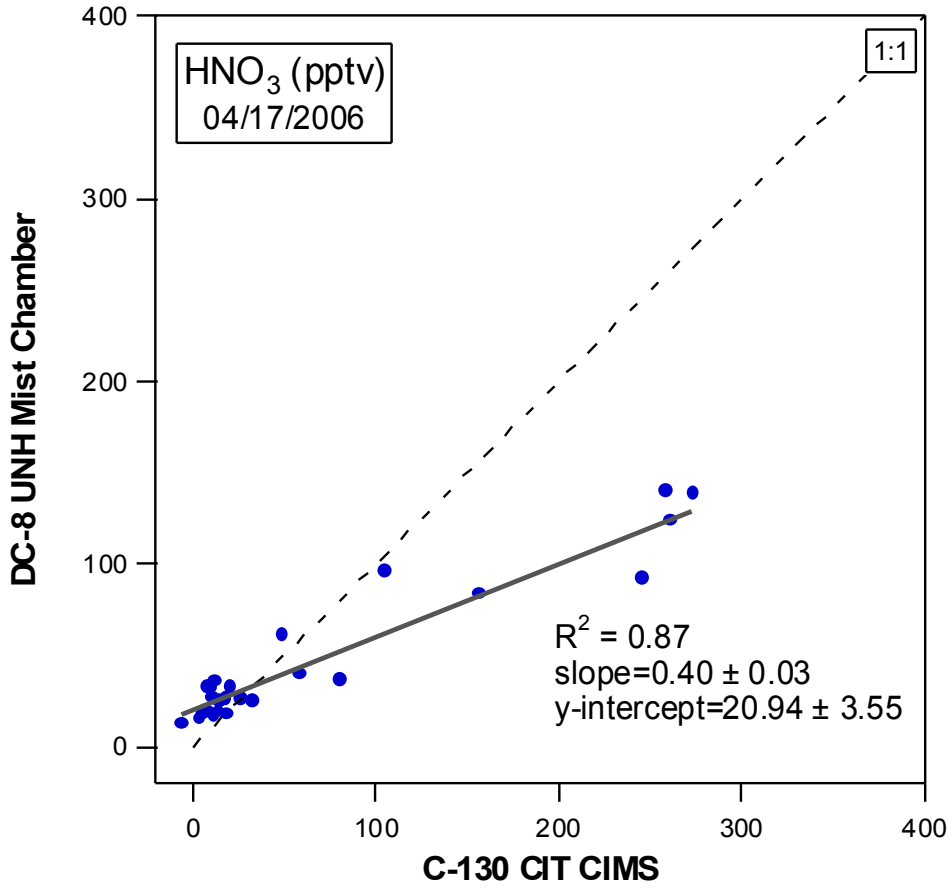
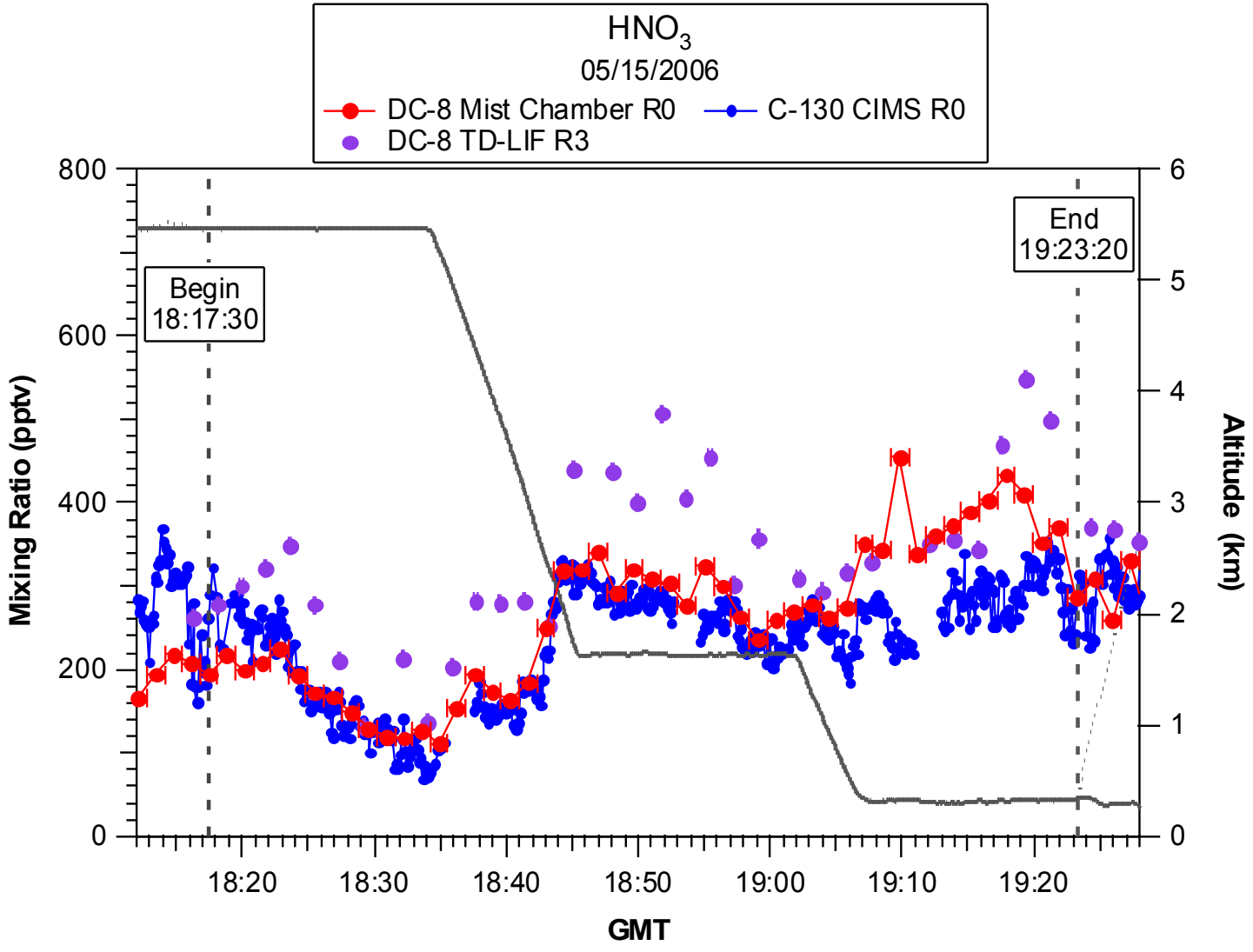
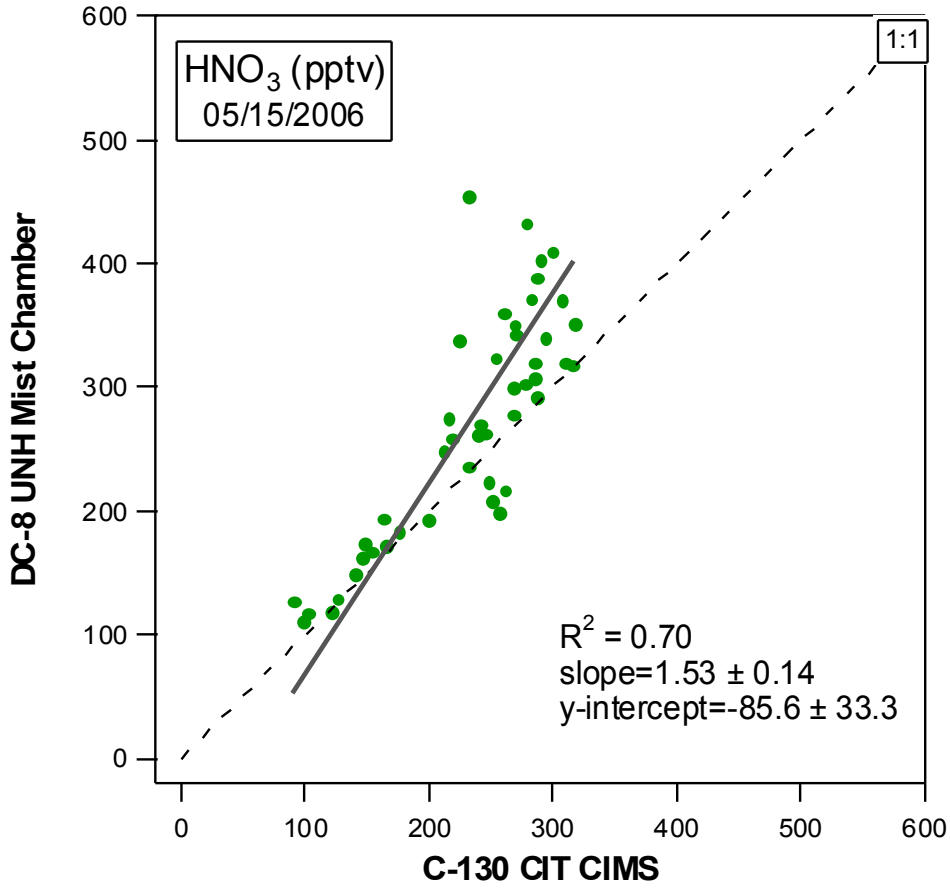

HNO3
03/19/2006
DC-8 Mist Chamber R0
C-130 CIMS R0
DC-8 TD-LIF R3
Begin
18:34:15
End
19:15:15
Mixing Ratio (pptv)
Radar Altitude (km)
GMT
0
500
1000
1500
2000
0
1
2
3
4
18:30
18:40
18:50
19:00
19:10
19:20

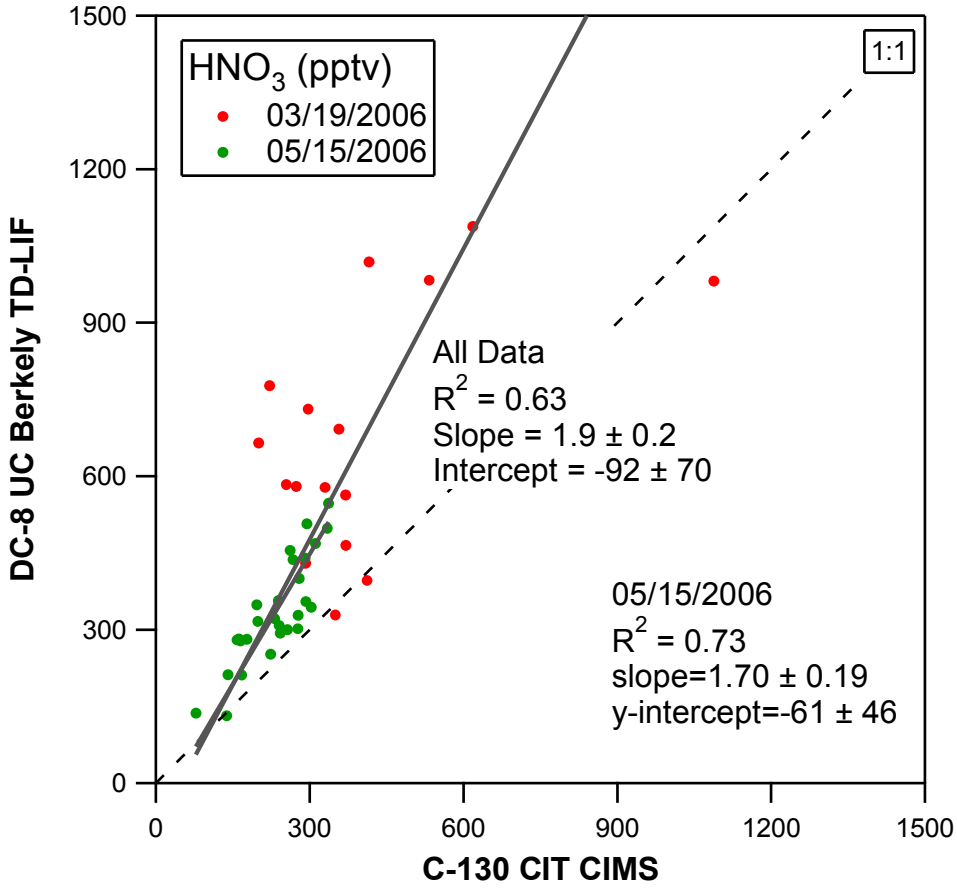

HNO3 (pptv)
03/19/2006
1:1
R2 = 0.93
slope=0.86 ± 0.05
y-intercept=202 ± 23
DC-8 UNH Mist Chamber
C-130 CIT CIMS
0
200
400
600
800
1000
1200
1400

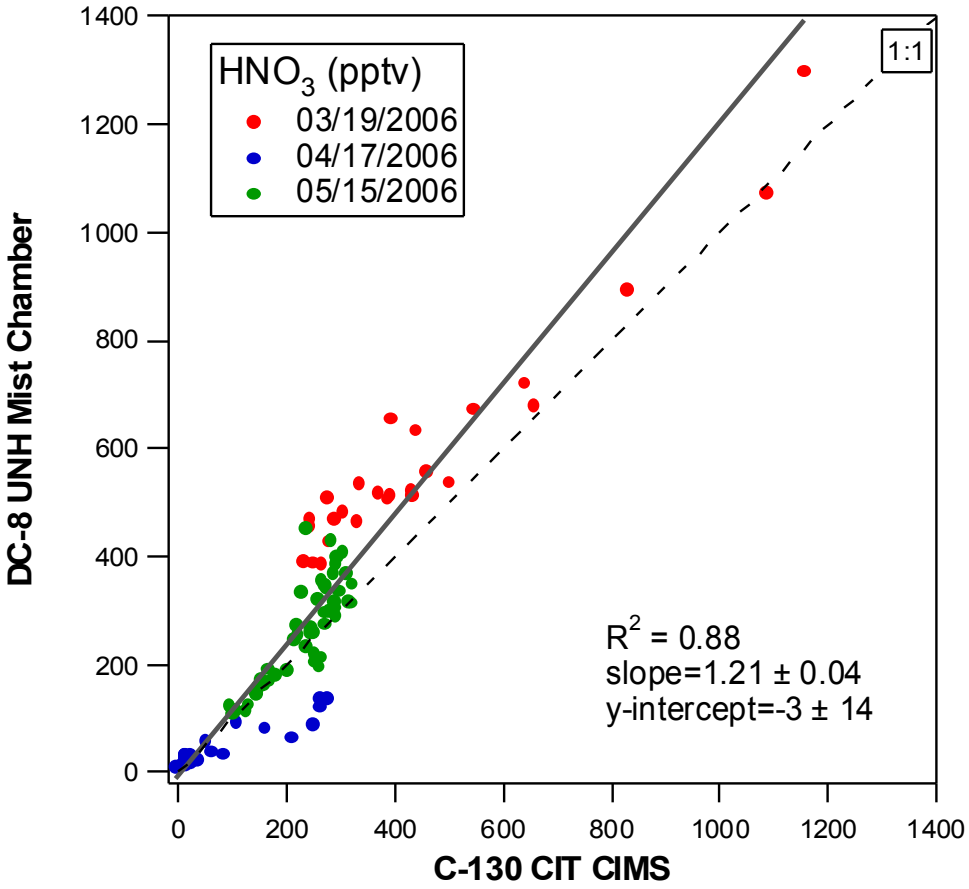

HNO3
04/17/2006
DC-8 Mist Chamber R0
C-130 CIMS R0
Begin
18:04:20
End
18:48:20
Mixing Ratio (pptv)
Altitude (km)
GMT
400
300
200
100
0
-100
7
6
5
4
3
2
18:00
18:10
18:20
18:30
18:40
18:50

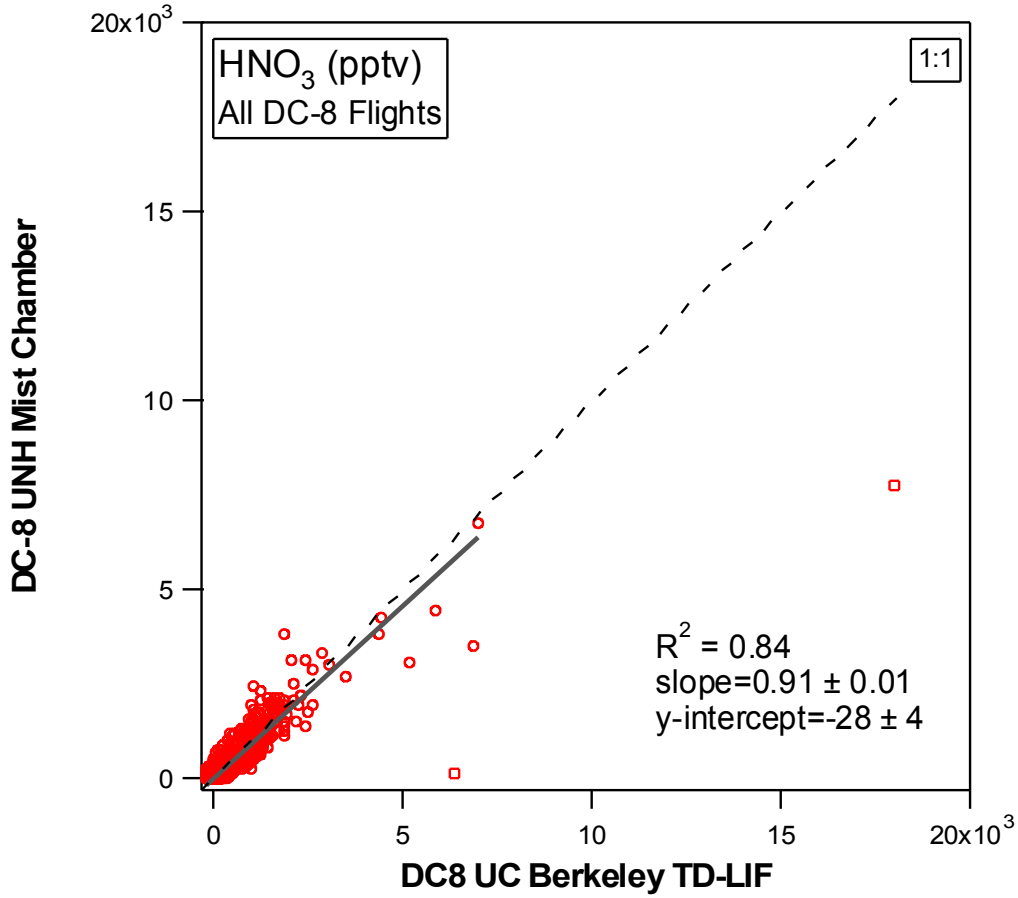

HNO3 (pptv)
04/17/2006
1:1
R2 = 0.87
slope=0.40 ± 0.03
y-intercept=20.94 ± 3.55
DC-8 UNH Mist Chamber
C-130 CIT CIMS
0
100
200
300
400


HNO3
05/15/2006
DC-8 Mist Chamber R0
C-130 CIMS R0
DC-8 TD-LIF R3
Begin
18:17:30
End
19:23:20
Mixing Ratio (pptv)
Altitude (km)
GMT
0
200
400
600
800
0
1
2
3
4
5
6
18:20
18:30
18:40
18:50
19:00
19:10
19:20


HNO3 (pptv)
05/15/2006
1:1
R2 = 0.70
slope=1.53 ± 0.14
y-intercept=-85.6 ± 33.3
DC-8 UNH Mist Chamber
C-130 CIT CIMS
0
100
200
300
400
500
600


HNO3 (pptv)
03/19/2006
05/15/2006
1:1
All Data
R2 = 0.63
Slope = 1.9 ± 0.2
Intercept = -92 ± 70
05/15/2006
R2 = 0.73
slope=1.70 ± 0.19
y-intercept=-61 ± 46
DC-8 UC Berkely TD-LIF
C-130 CIT CIMS
0
300
600
900
1200
1500


HNO3 (pptv)
03/19/2006
04/17/2006
05/15/2006
1:1
R2 = 0.88
slope=1.21 ± 0.04
y-intercept=-3 ± 14
DC-8 UNH Mist Chamber
C-130 CIT CIMS
0
200
400
600
800
1000
1200
1400


HNO3 (pptv)
All DC-8 Flights
1:1
R2 = 0.84
slope=0.91 ± 0.01
y-intercept=-28 ± 4
20x10^3
15
10
5
0
0
5
10
15
20x10^3
DC-8 UNH Mist Chamber
DC8 UC Berkeley TD-LIF