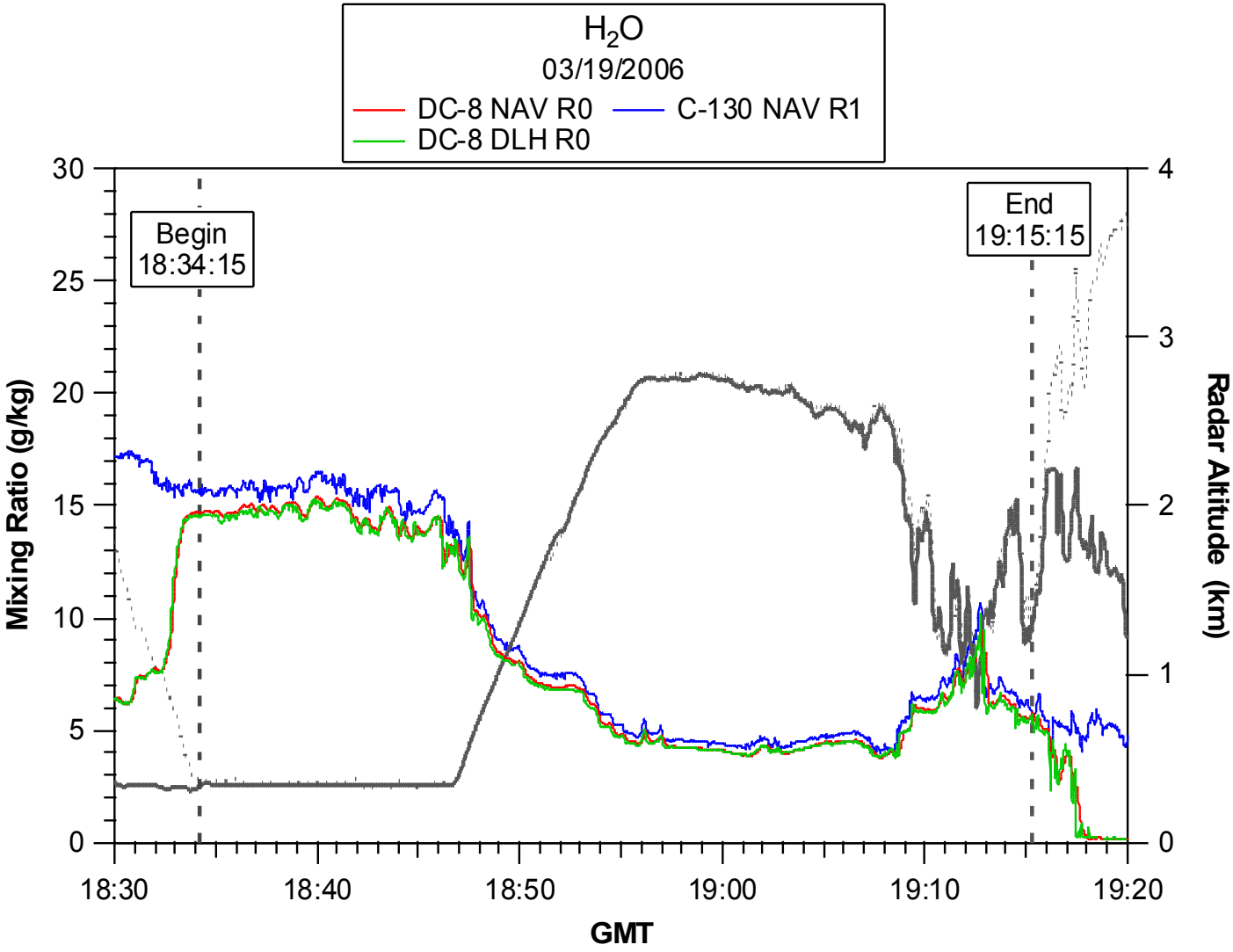
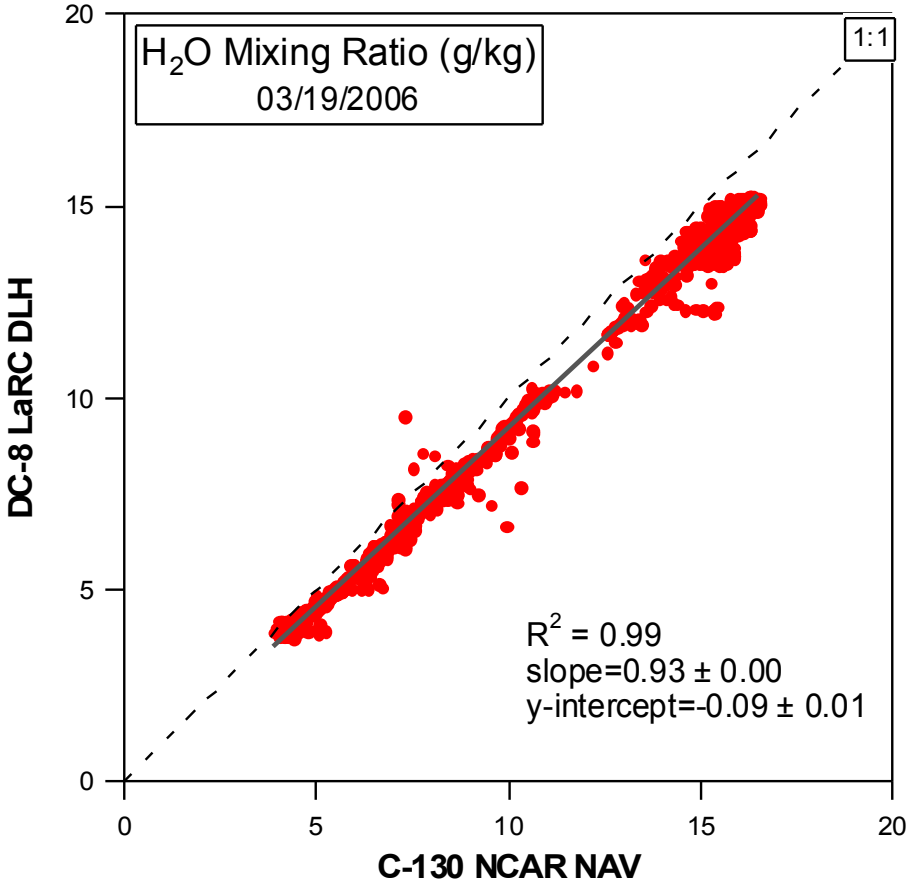
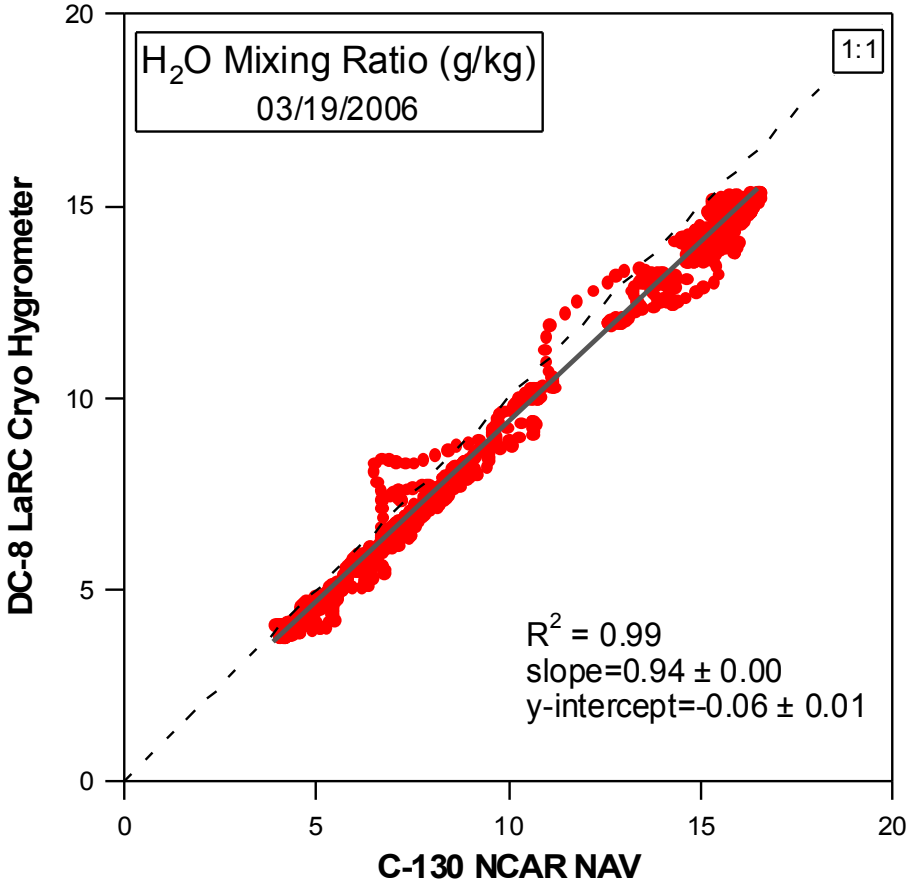
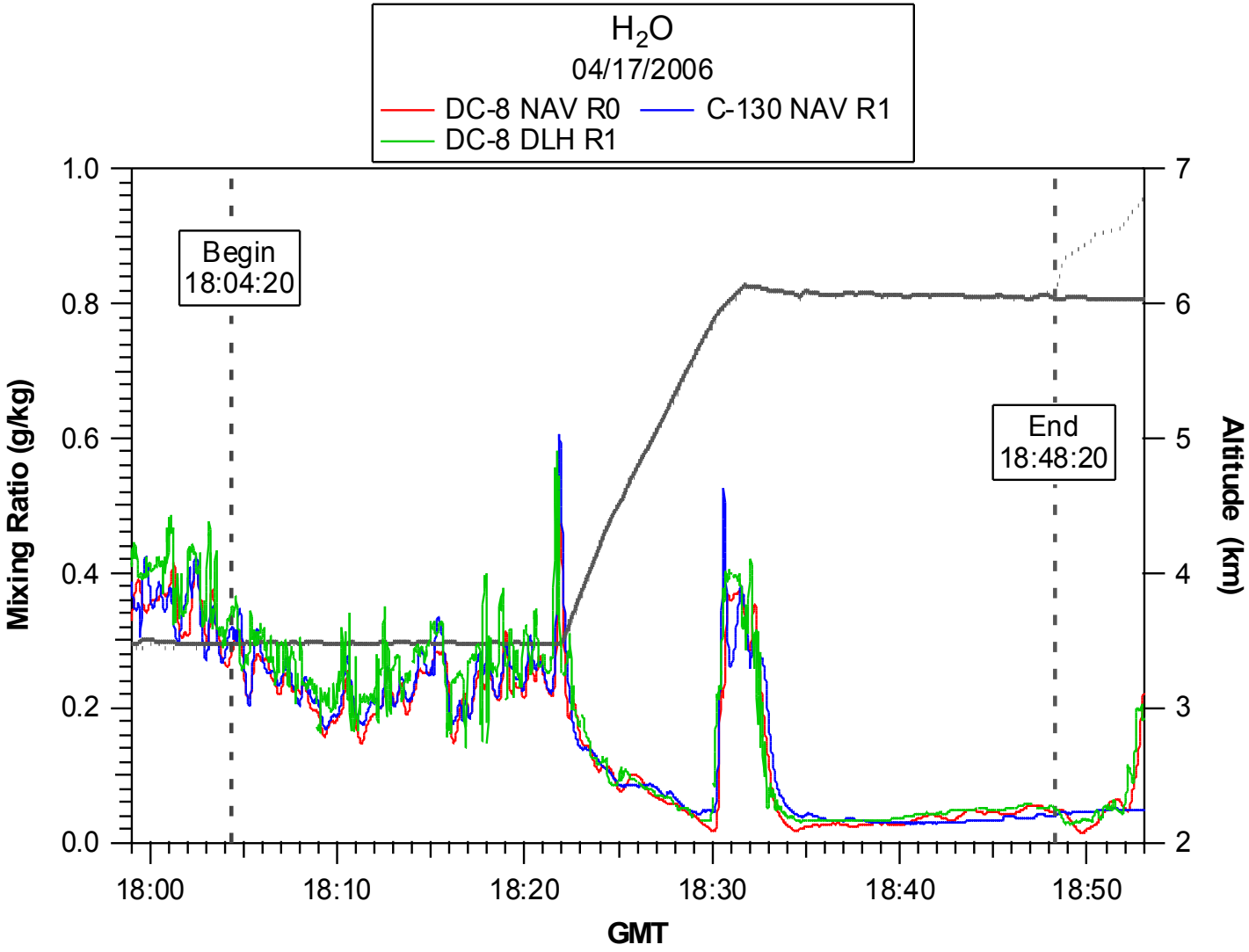
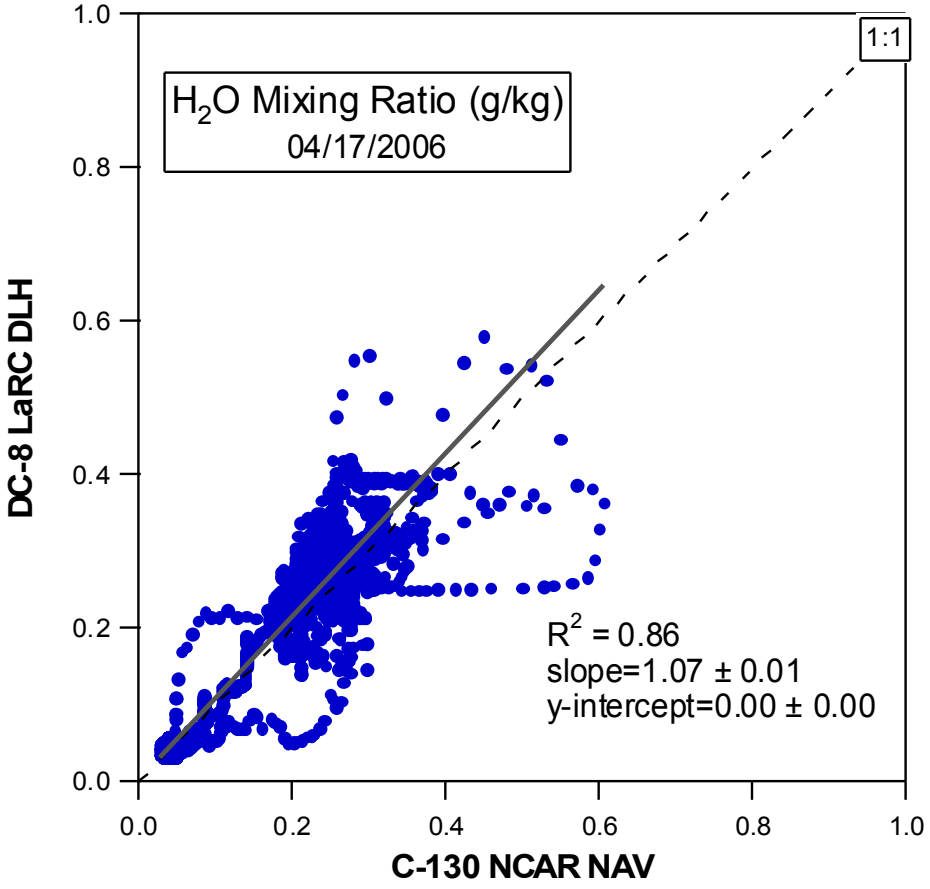
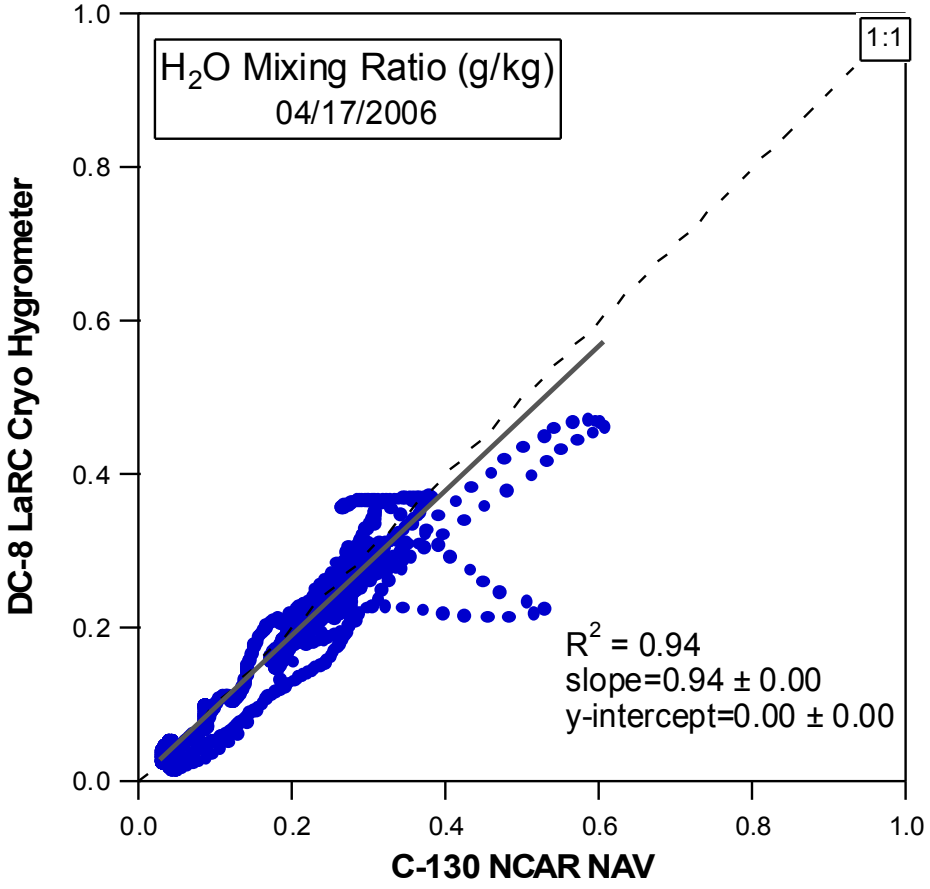

H_2O
03/19/2006
DC-8 NAV R0
C-130 NAV R1
DC-8 DLH R0
Begin
18:34:15
End
19:15:15
Mixing Ratio (g/kg)
Radar Altitude (km)
GMT
30
25
20
15
10
5
0
4
3
2
1
0
18:30
18:40
18:50
19:00
19:10
19:20

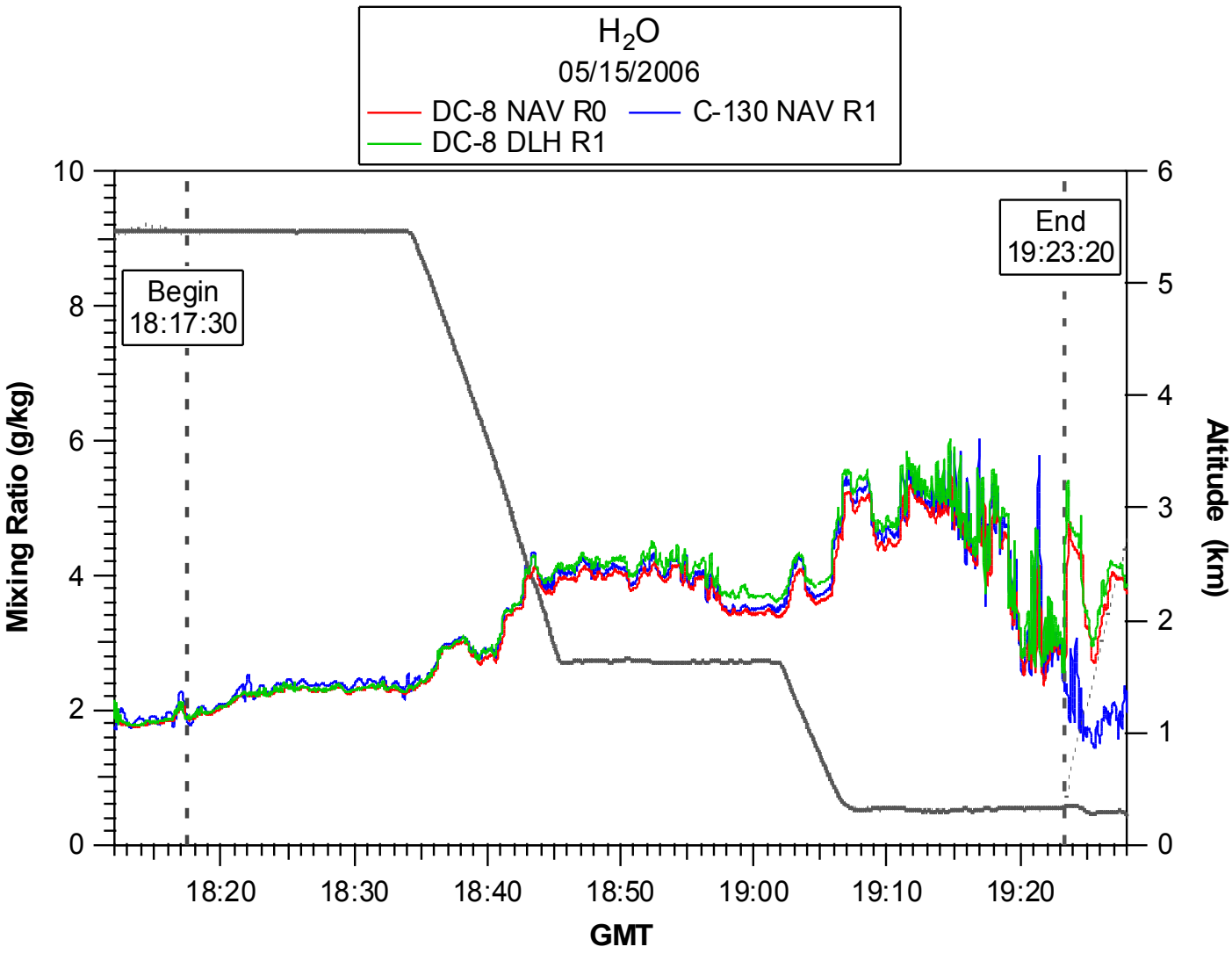

H2O Mixing Ratio (g/kg)
03/19/2006
1:1
R2 = 0.99
slope=0.93 ± 0.00
y-intercept=-0.09 ± 0.01
DC-8 LaRC DLH
C-130 NCAR NAV
0
5
10
15
20

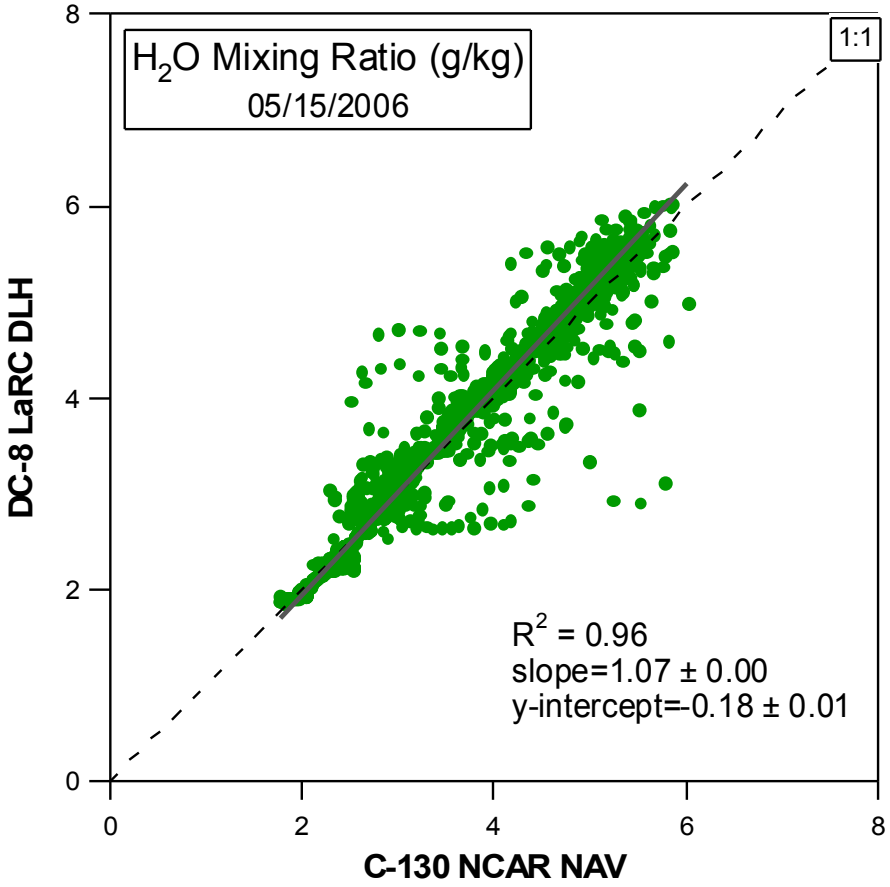

H2O Mixing Ratio (g/kg)
03/19/2006
1:1
R2 = 0.99
slope=0.94 ± 0.00
y-intercept=-0.06 ± 0.01
DC-8 LaRC Cryo Hygrometer
C-130 NCAR NAV
0
5
10
15
20

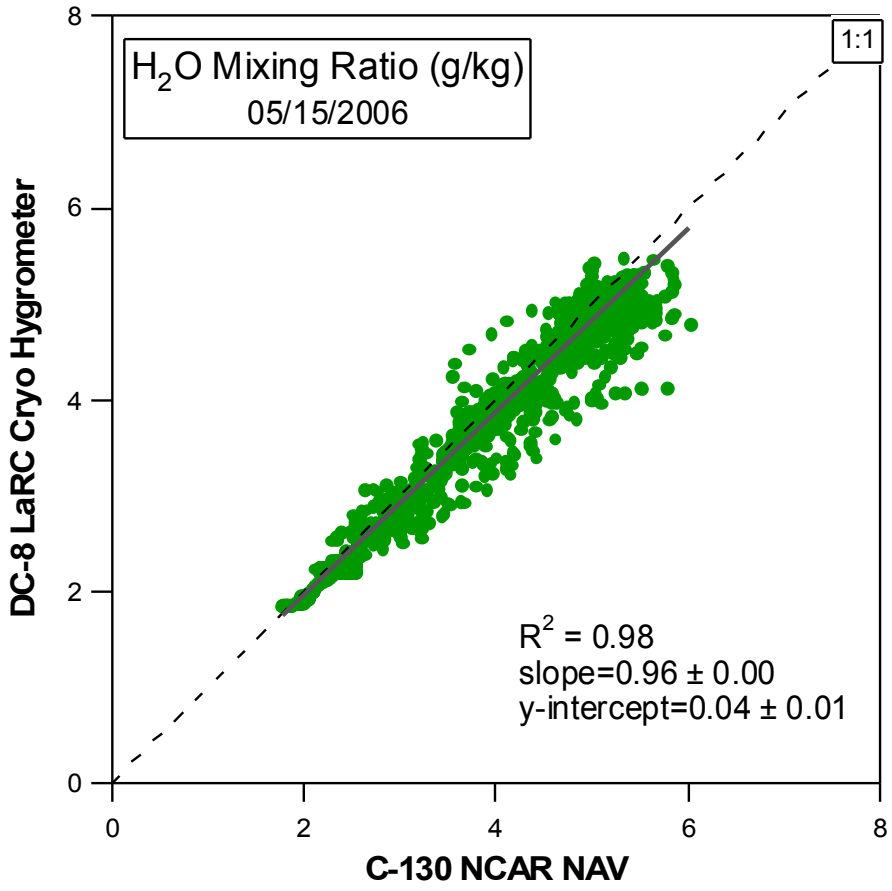

H2O
04/17/2006
DC-8 NAV R0
C-130 NAV R1
DC-8 DLH R1
Begin
18:04:20
End
18:48:20
Mixing Ratio (g/kg)
Altitude (km)
GMT
1.0
0.8
0.6
0.4
0.2
0.0
7
6
5
4
3
2
18:00
18:10
18:20
18:30
18:40
18:50

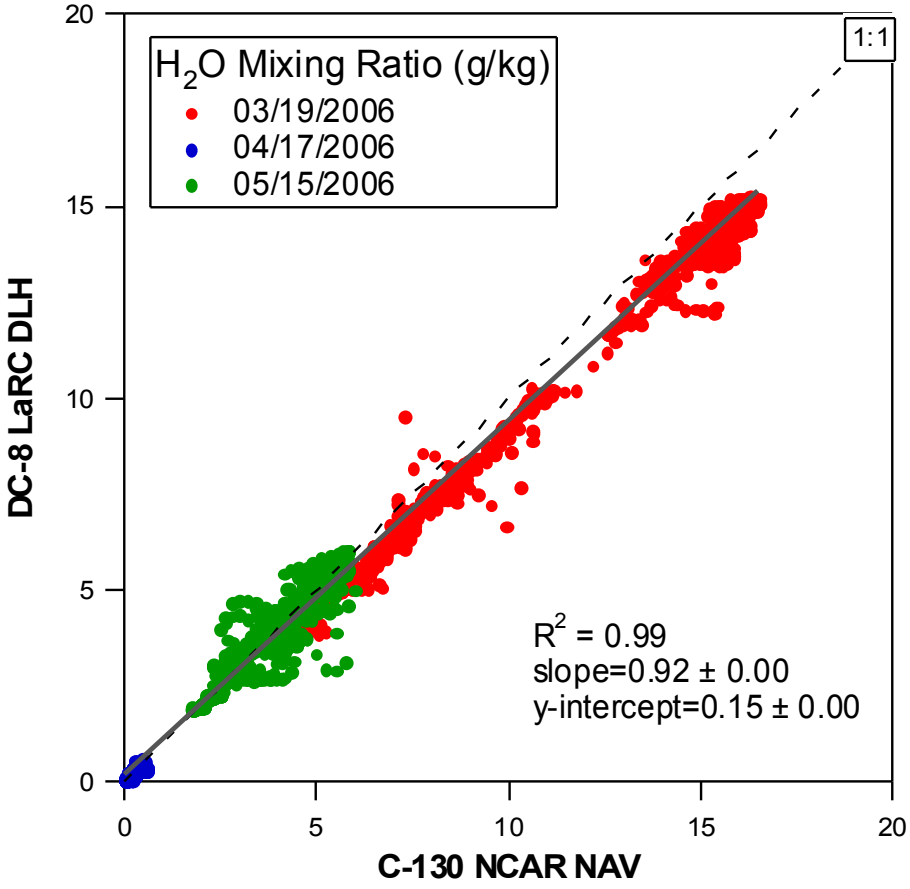

H2O Mixing Ratio (g/kg)
04/17/2006
1:1
R2 = 0.86
slope=1.07 ± 0.01
y-intercept=0.00 ± 0.00
DC-8 LaRC DLH
C-130 NCAR NAV
0.0
0.2
0.4
0.6
0.8
1.0

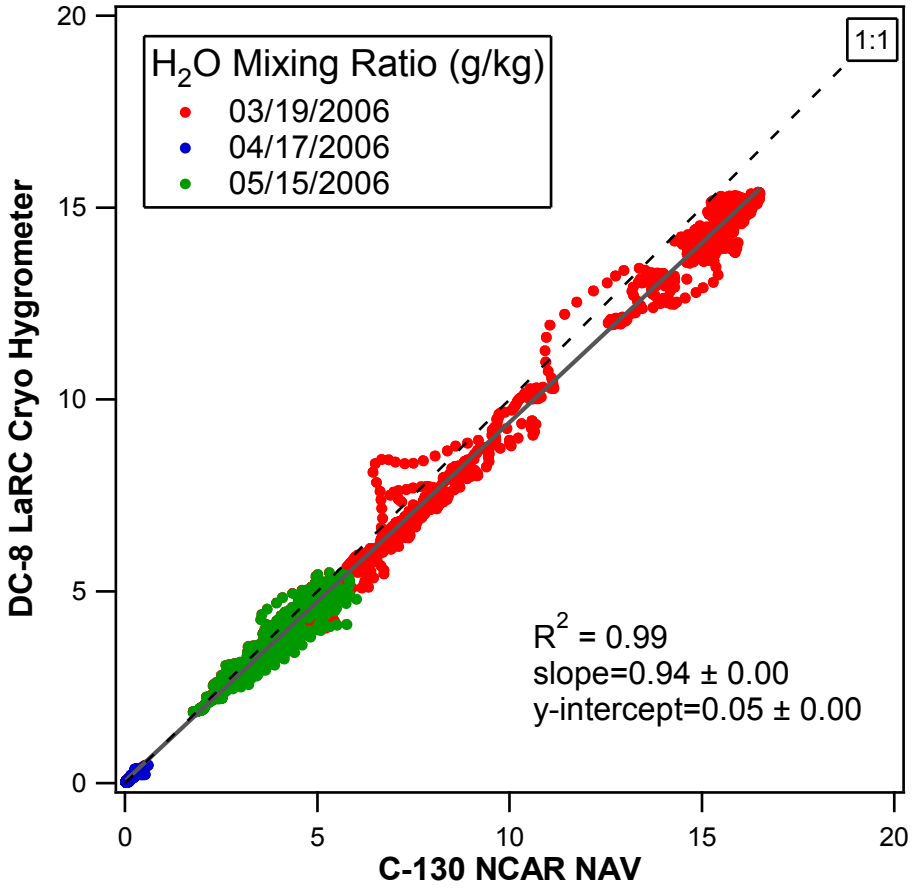

H2O Mixing Ratio (g/kg)
04/17/2006
1:1
R2 = 0.94
slope=0.94 ± 0.00
y-intercept=0.00 ± 0.00
DC-8 LaRC Cryo Hygrometer
C-130 NCAR NAV
0.0
0.2
0.4
0.6
0.8
1.0

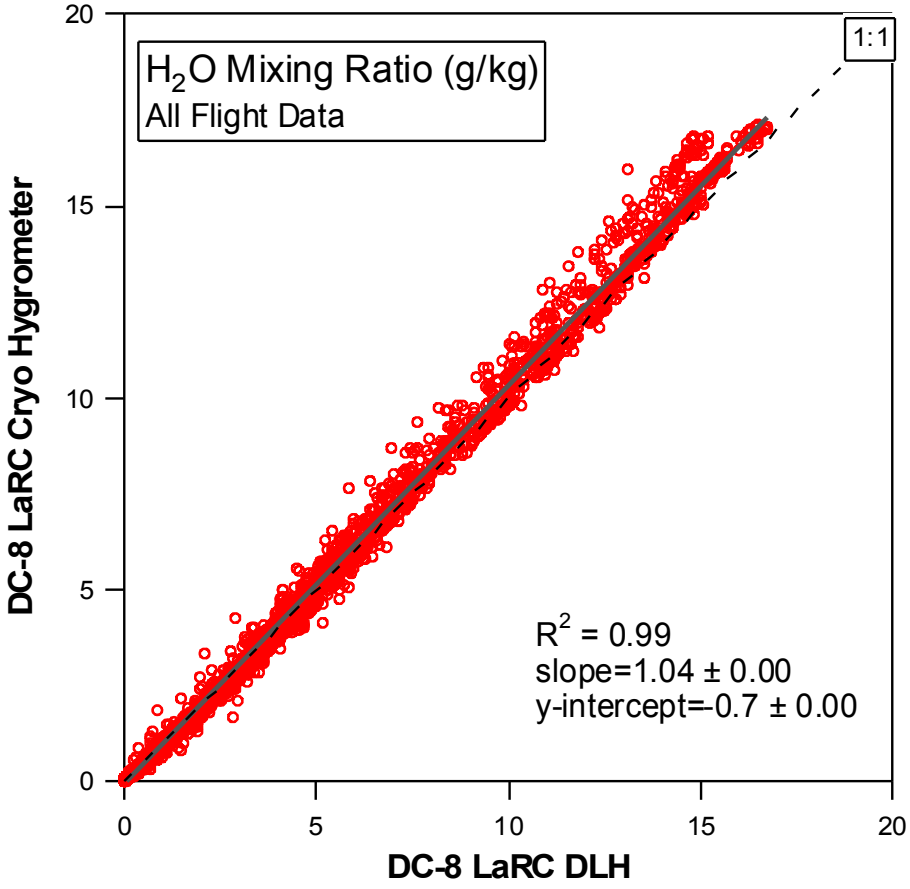

H2O
05/15/2006
DC-8 NAV R0
C-130 NAV R1
DC-8 DLH R1
Begin
18:17:30
End
19:23:20
Mixing Ratio (g/kg)
Altitude (km)
GMT
18:20
18:30
18:40
18:50
19:00
19:10
19:20
0
2
4
6
8
10
0
1
2
3
4
5
6


H2O Mixing Ratio (g/kg)
05/15/2006
1:1
R2 = 0.96
slope=1.07 ± 0.00
y-intercept=-0.18 ± 0.01
DC-8 LaRC DLH
C-130 NCAR NAV
0
2
4
6
8


H2O Mixing Ratio (g/kg)
05/15/2006
1:1
R2 = 0.98
slope=0.96 ± 0.00
y-intercept=0.04 ± 0.01
DC-8 LaRC Cryo Hygrometer
C-130 NCAR NAV
0
2
4
6
8


H2O Mixing Ratio (g/kg)
03/19/2006
04/17/2006
05/15/2006
1:1
R2 = 0.99
slope=0.92 ± 0.00
y-intercept=0.15 ± 0.00
DC-8 LaRC DLH
C-130 NCAR NAV
0
5
10
15
20


H2O Mixing Ratio (g/kg)
03/19/2006
04/17/2006
05/15/2006
1:1
R2 = 0.99
slope=0.94 ± 0.00
y-intercept=0.05 ± 0.00
DC-8 LaRC Cryo Hygrometer
C-130 NCAR NAV
0
5
10
15
20


H_2O Mixing Ratio (g/kg)
All Flight Data
1:1
R^2 = 0.99
slope=1.04 ± 0.00
y-intercept=-0.7 ± 0.00
DC-8 LaRC Cryo Hygrometer
DC-8 LaRC DLH
0
5
10
15
20