

## Estimated NO<sub>2</sub> Absolute Precision

Date	DC-8 (pptv)	WP-3D(pptv)
07/22/2004	14.5	15.5
07/31/2004	8.5	17
08/07/2004	13	23

## Estimated NO<sub>2</sub> Relative Precision

Date	DC-8	WP-3D
07/22/2004	28%	20%
07/31/2004	46%	16%
08/07/2004	46%	15%

Note: Ambient variation effect is minimized by varying average time intervals, but excluded.

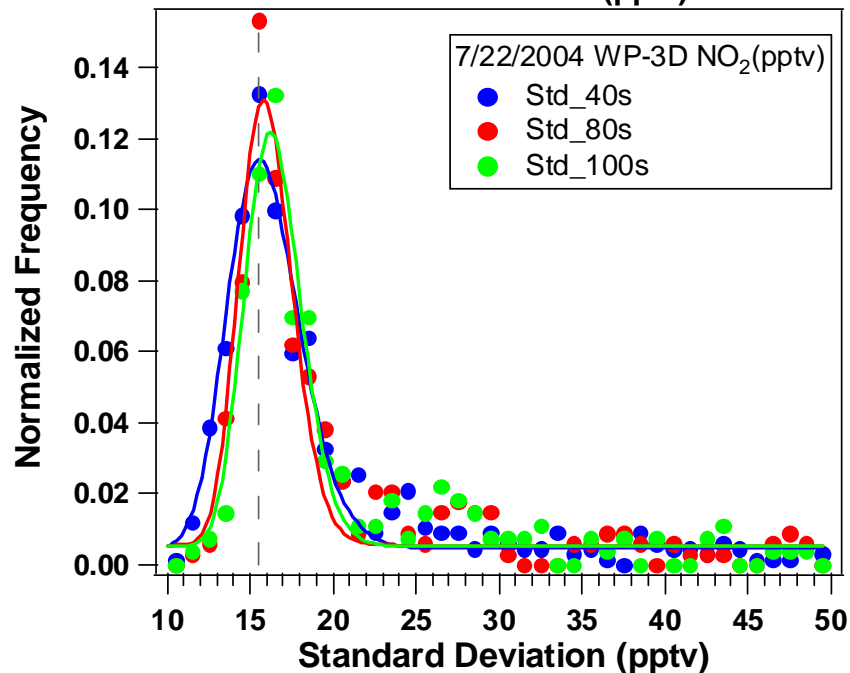
### PI Reported Uncertainty (1 sec. data)

DC-8:

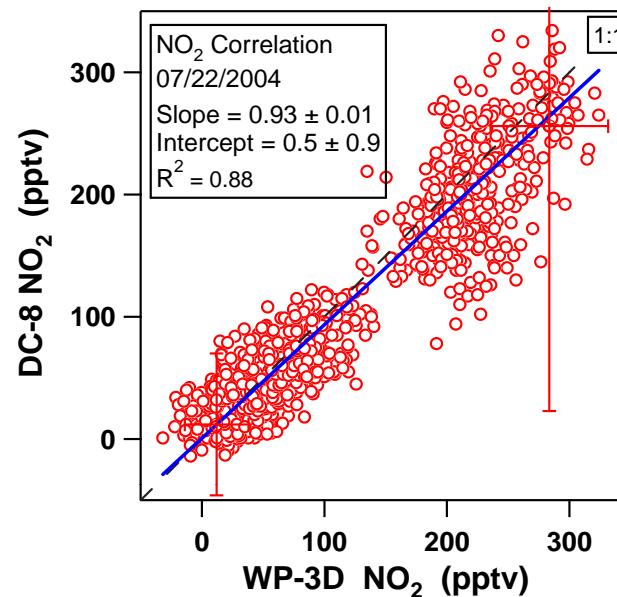
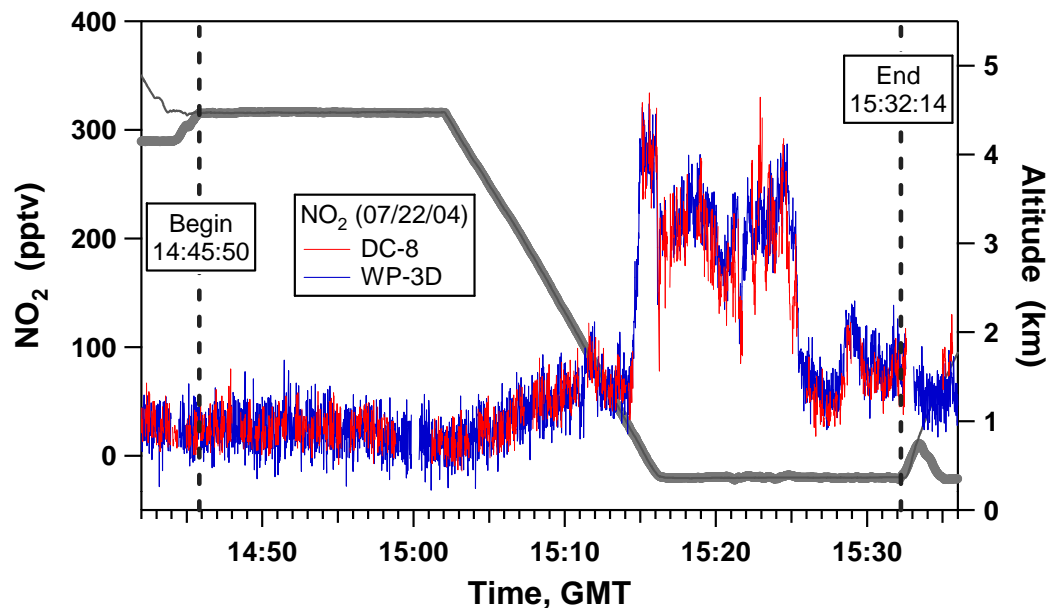
Accuracy = 5%

Total = 170% (median for 7/22, 7/31, and 8/7)

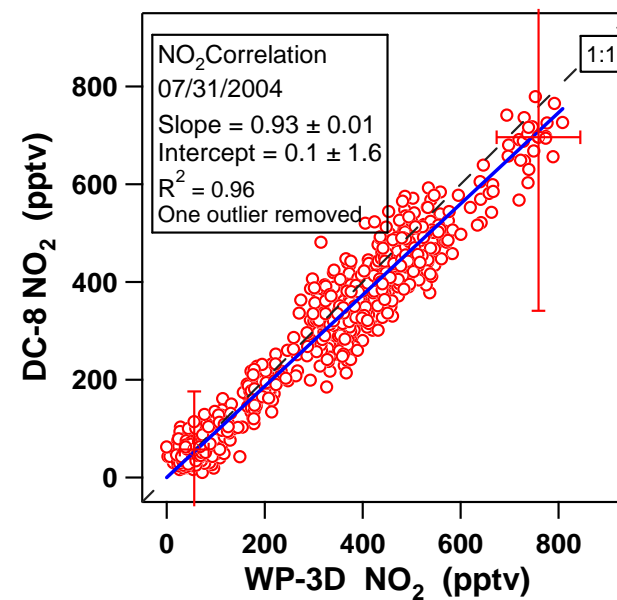
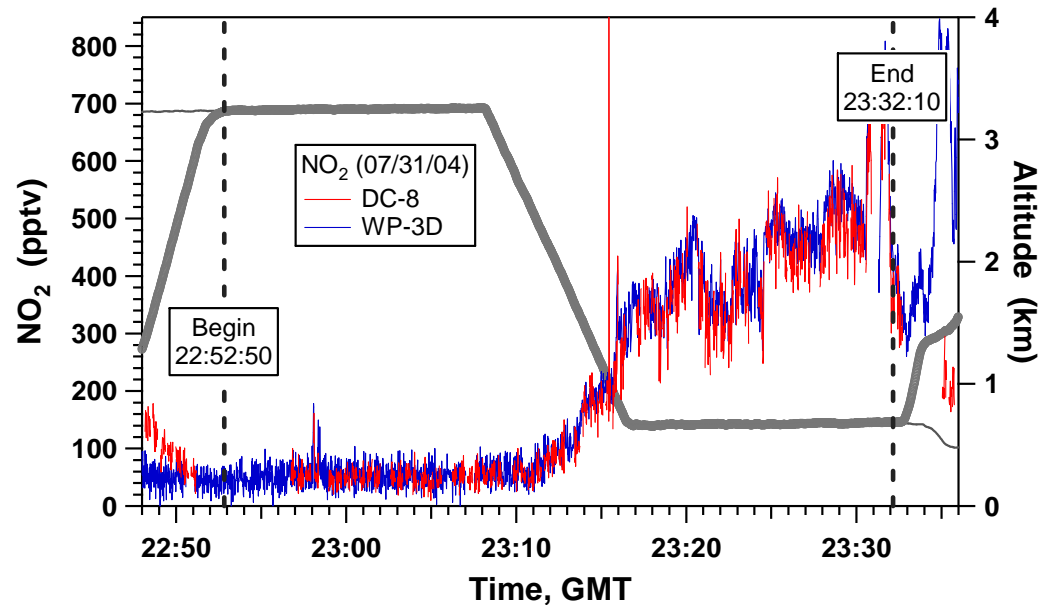
WP-3D: 25 pptv + 8%



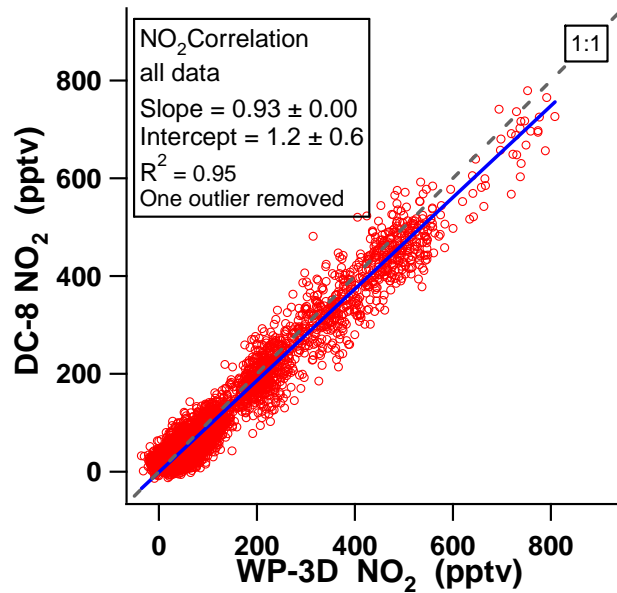
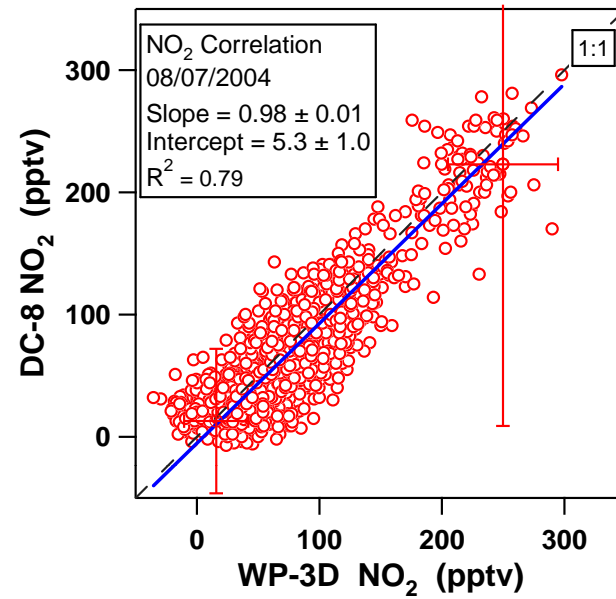
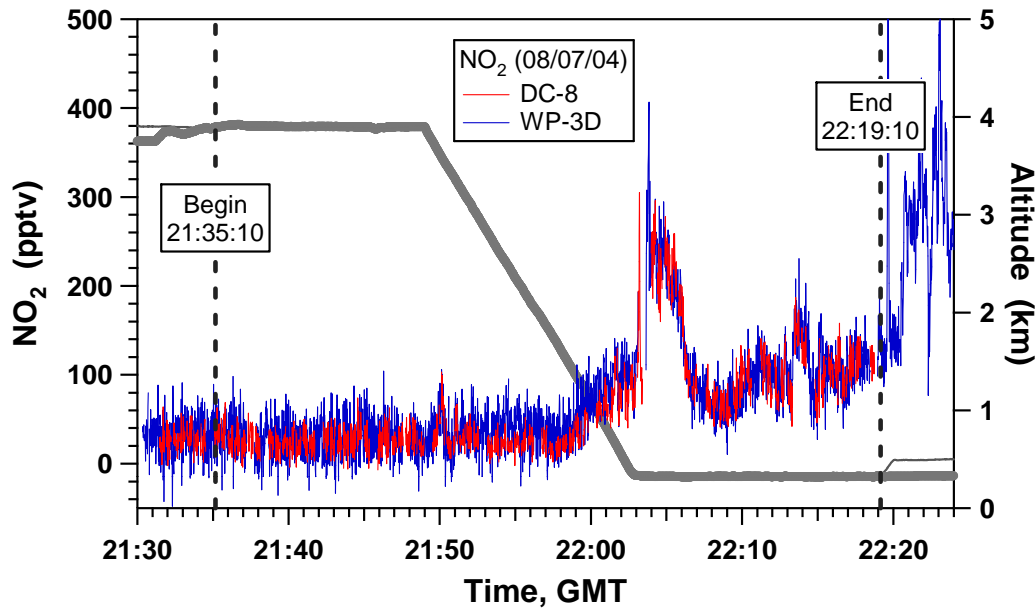
## ICARTT NO<sub>2</sub> Measurement Comparison: 07/22/04



## ICARTT NO<sub>2</sub> Measurement Comparison: 07/31/04



# ICARTT NO2 Measurement Comparison: 08/07/04



## Projected NO2 Measurement difference

DC-8	WP-3D
10	9.5
30	31
100	106
300	321
900	966