

Estimated HNO₃ Absolute Precision

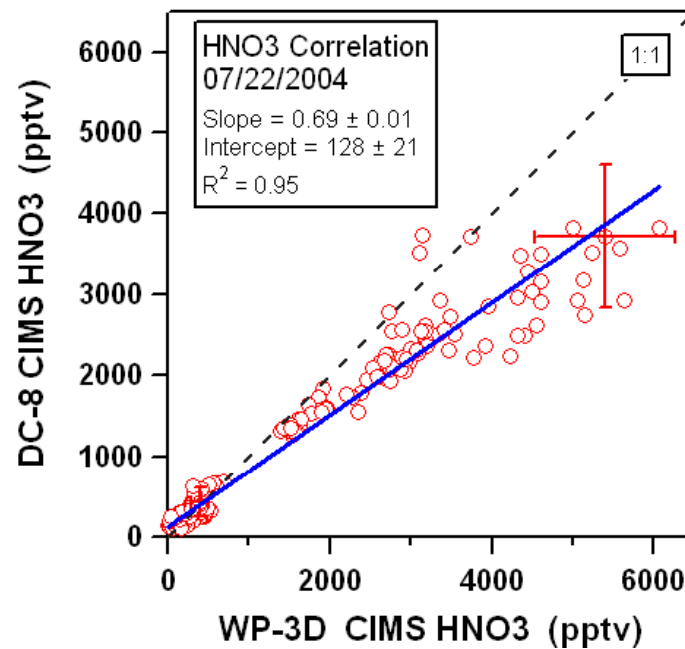
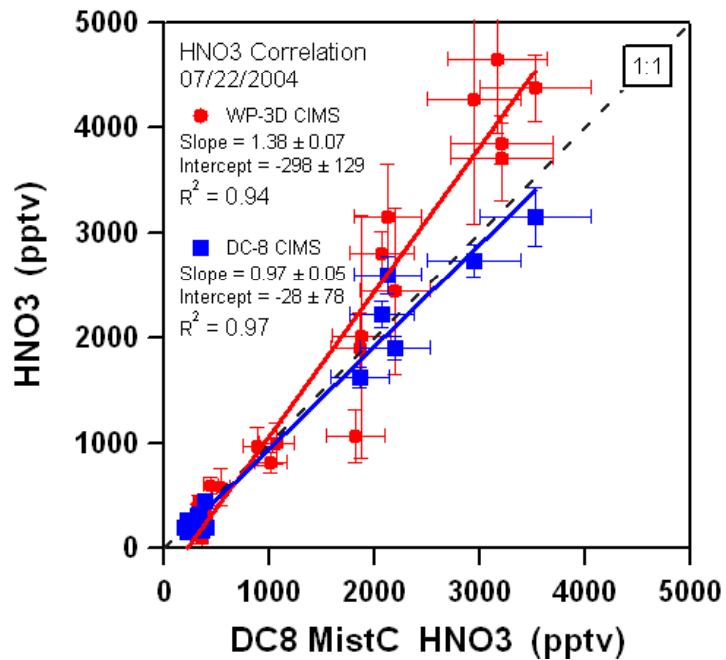
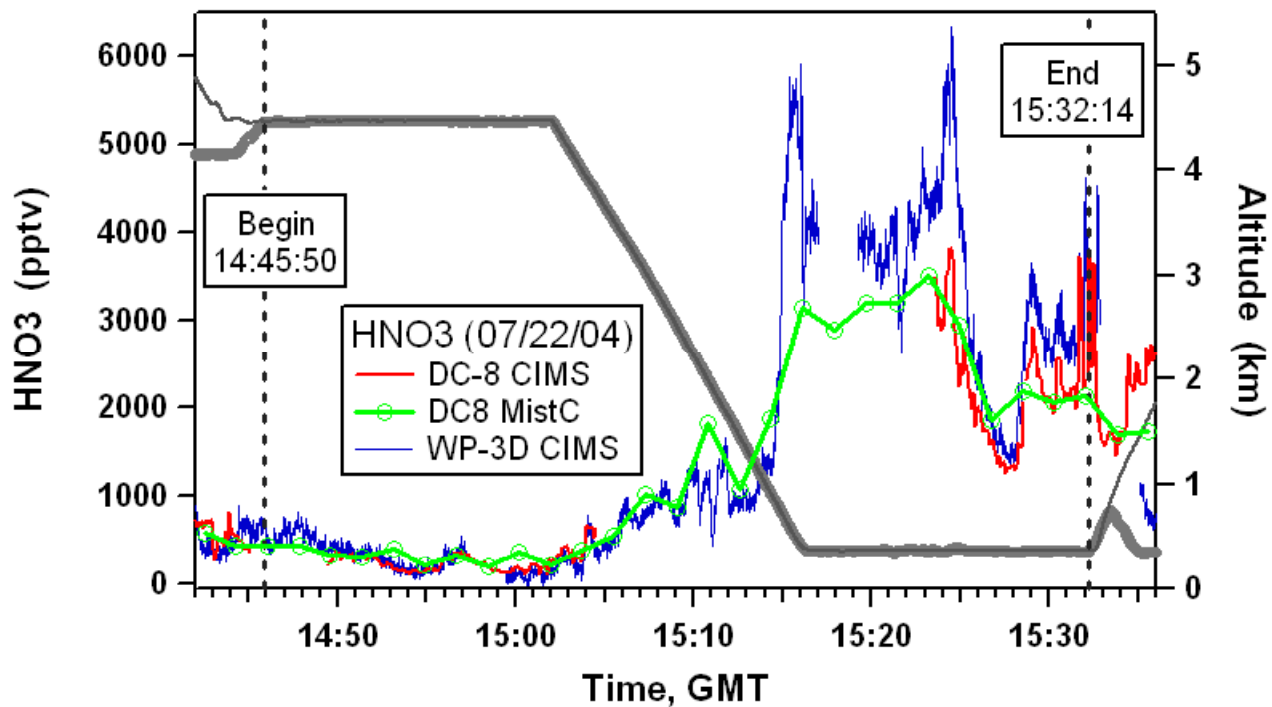
Date	DC-8 (pptv) CIMS	WP-3D(pptv) CIMS	DC-8 (pptv) MC
2004/07/22	18	111	50
2004/07/31	18	63	35
2004/08/07	11	35	11

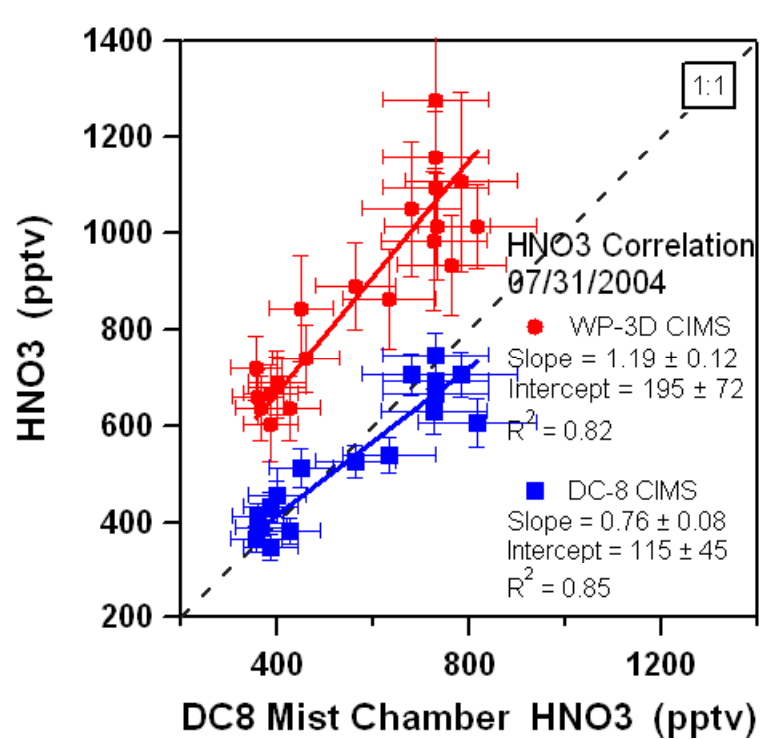
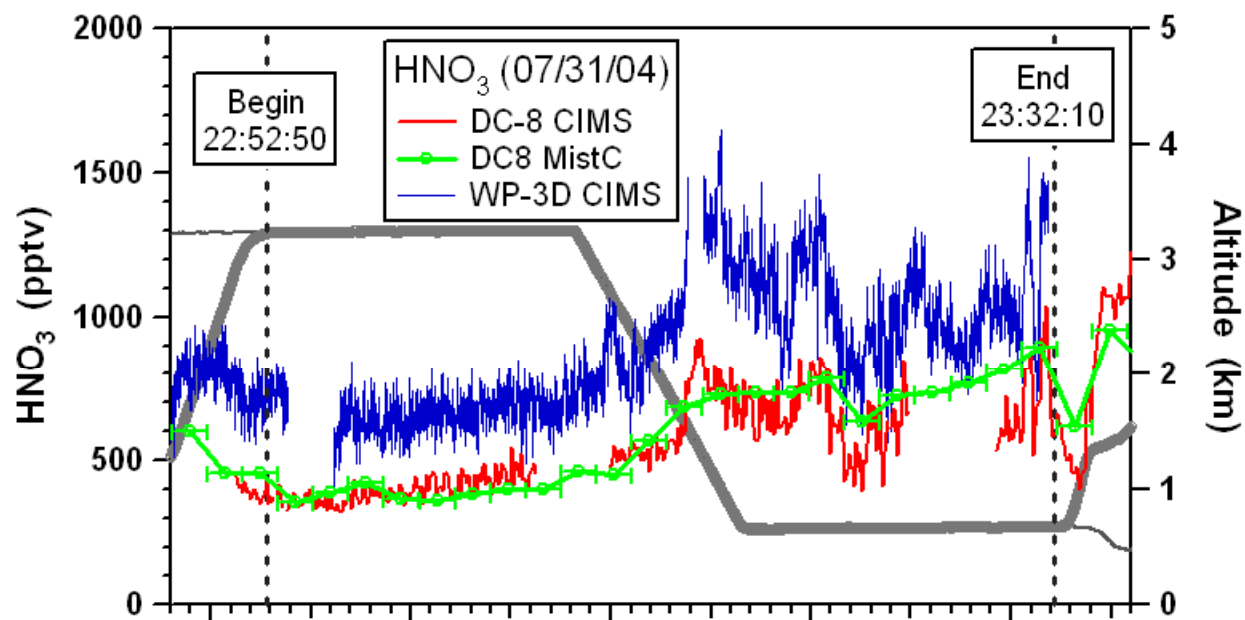
Estimated HNO₃ Relative Precision

Date	DC-8 CIMS	WP-3D CIMS	DC-8 MC
2004/07/22	7.5%	7.5%	15%
2004/07/31	7.5%	12.5%	15%
2004/08/07	7.5%	7.5%	15%

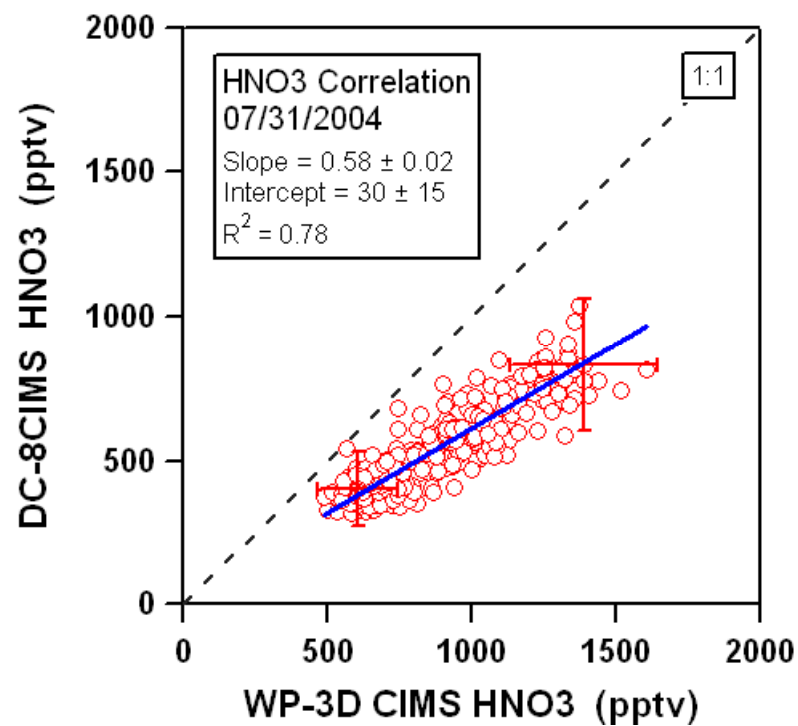
PI Reported Uncertainty

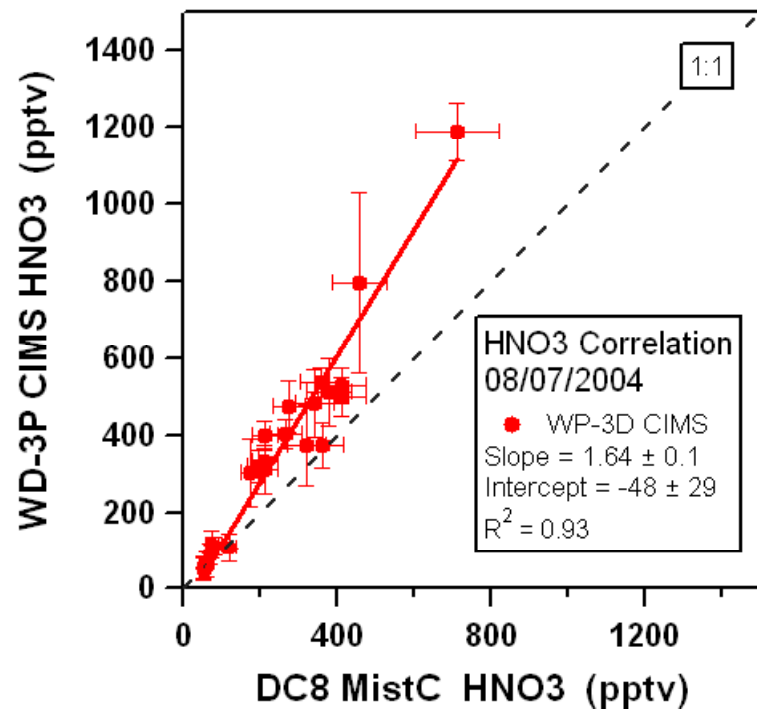
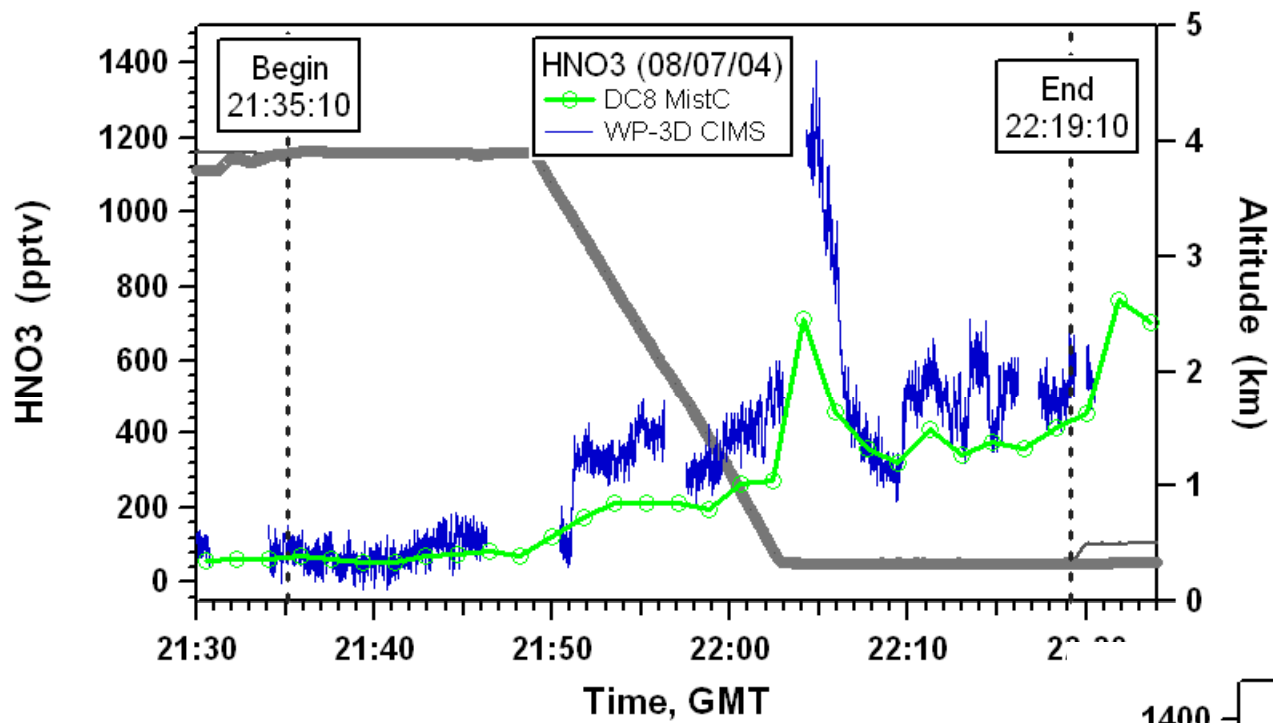
DC-8 Mist Chamber: 30-35%
DC-8 CIMS: ~52%
WP-3D: 1 σ precision=20pptv Accuracy= 15%+50pptv

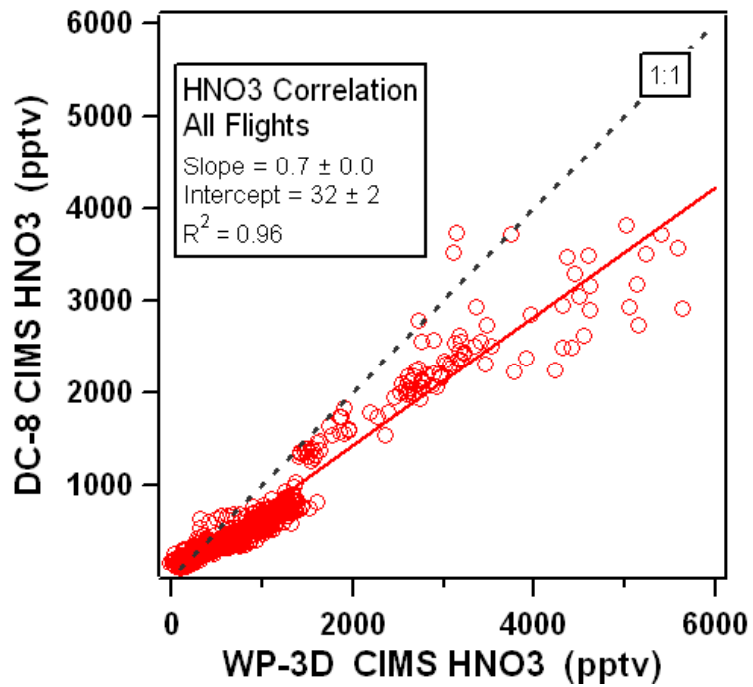




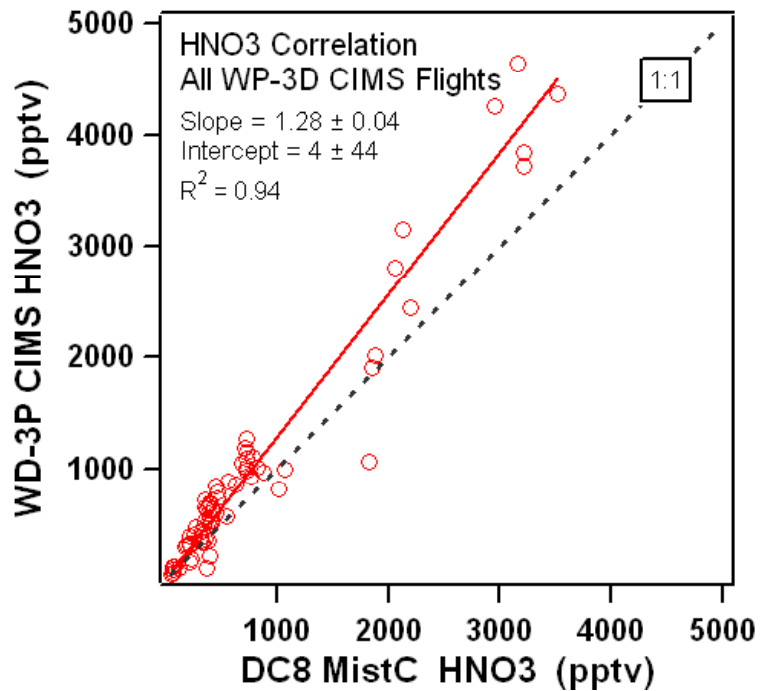
23:10
Time, GMT





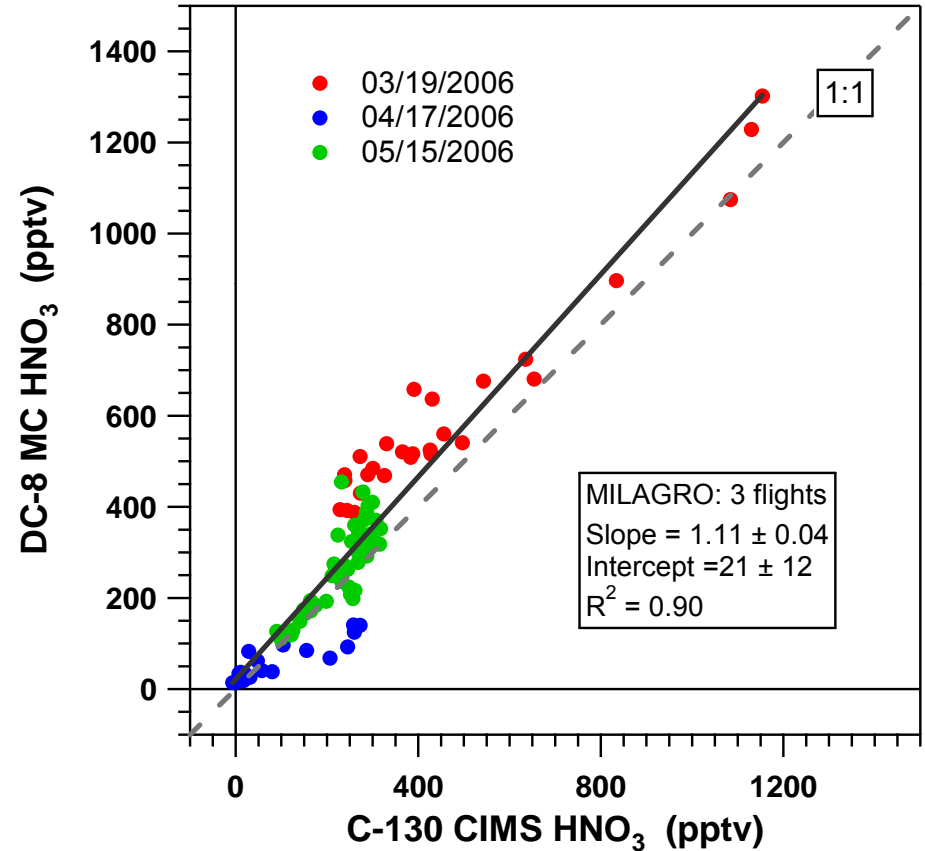
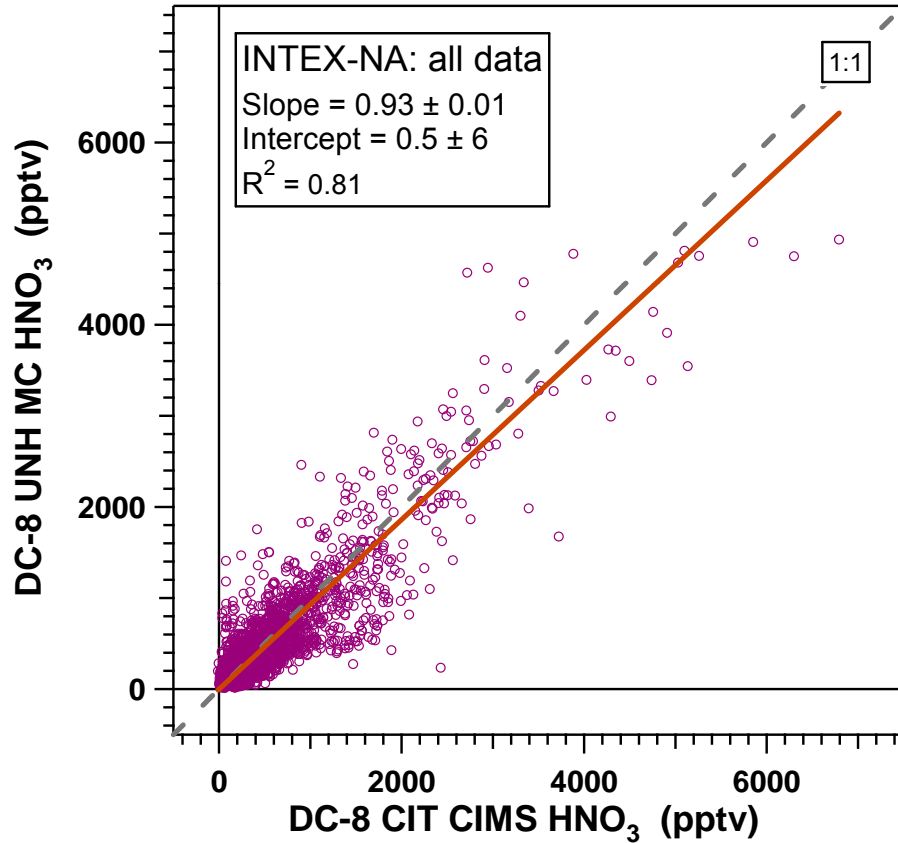


DC-8 CIMS	WP-3D CIMS
100	97
200	240
500	669
1000	1383
3000	4240
6000	8526



WP-3D CIMS	DC-8 MC
100	75
200	153
500	388
1000	778
2000	1559
5000	3903

HNO₃ Comparison: CIMS vs. Mist Chamber all INTEX-A data



$\Delta\text{HNO}_3(\text{UNH} - \text{CalTech})$ vs. UNH HNO_3

All INTEX-A data

