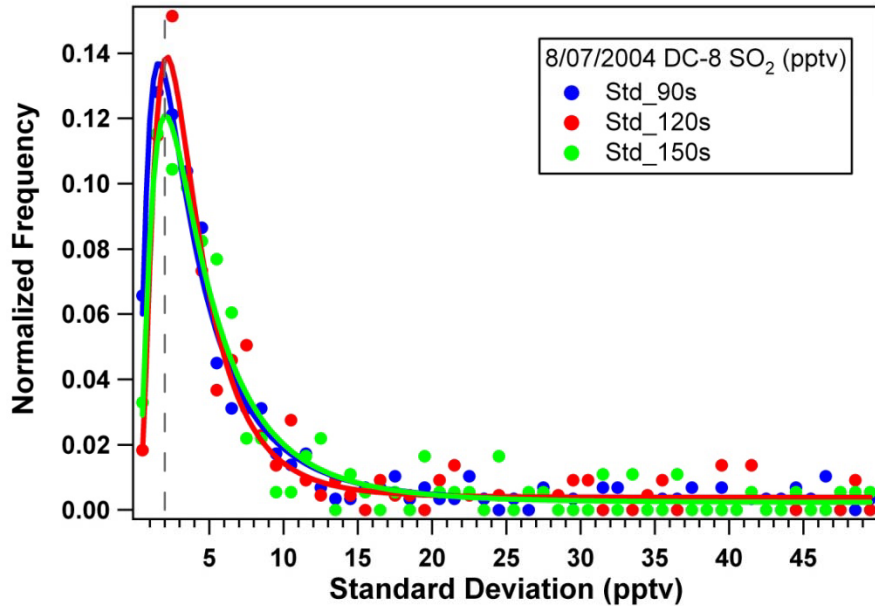
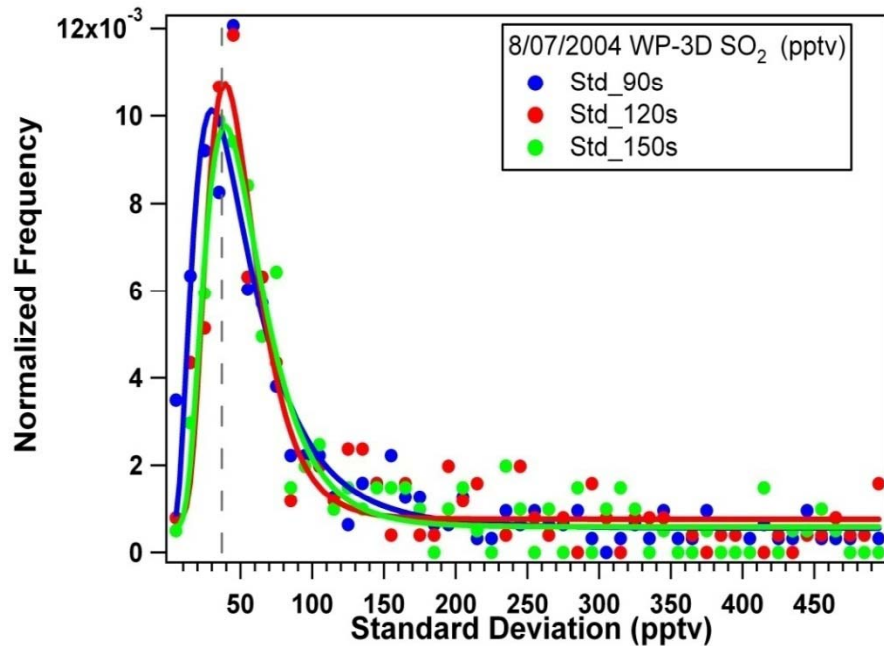


# SO<sub>2</sub> Random Uncertainty Analysis



Estimated Absolute Precision

Date	DC-8 (pptv) 30 s data	WP-3D(pptv) 1 s data
07/22/2004	3	40
07/31/2004	1.5	33
08/07/2004	2	37

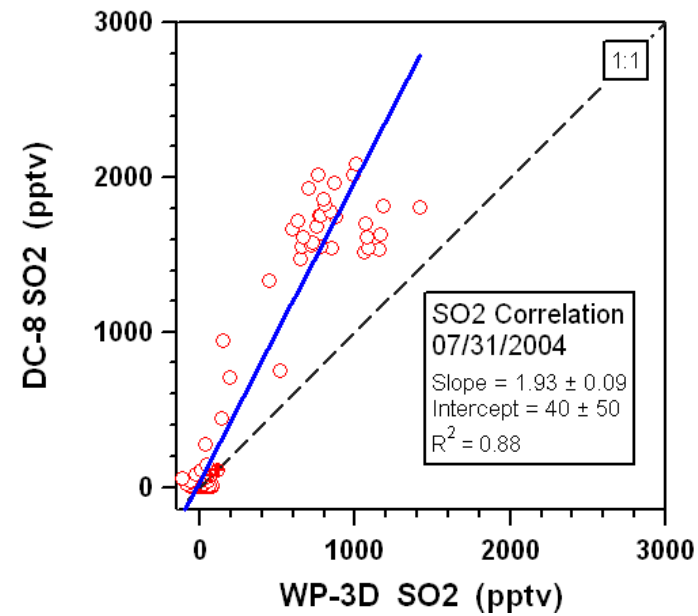
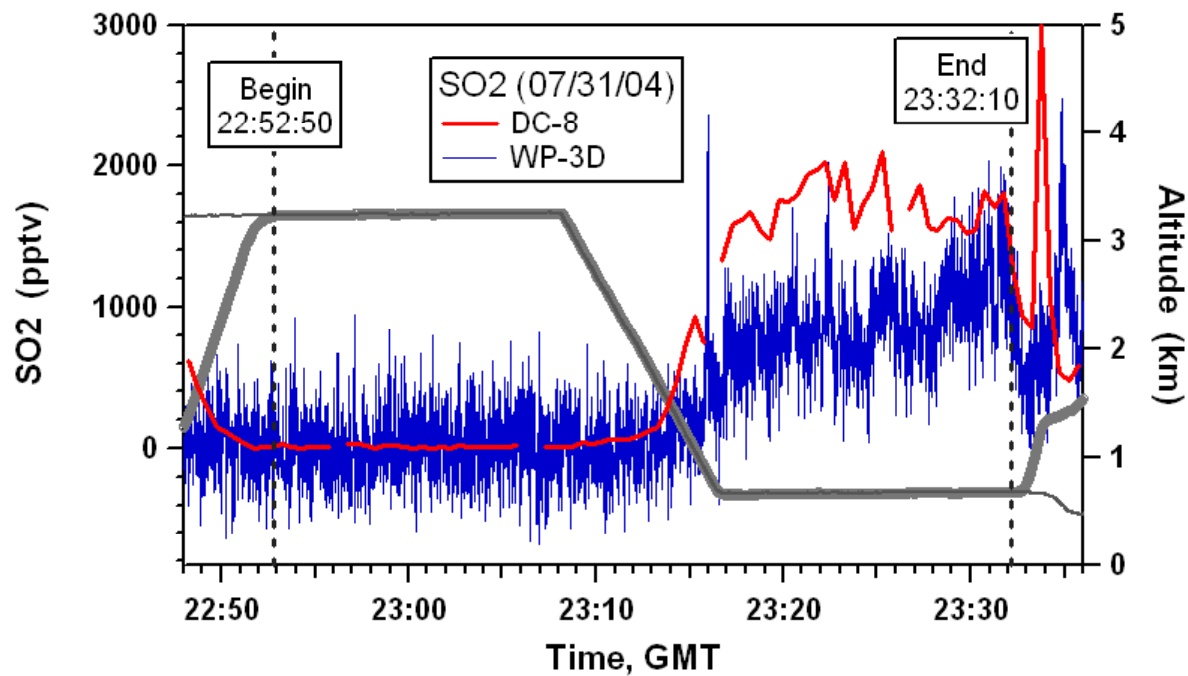
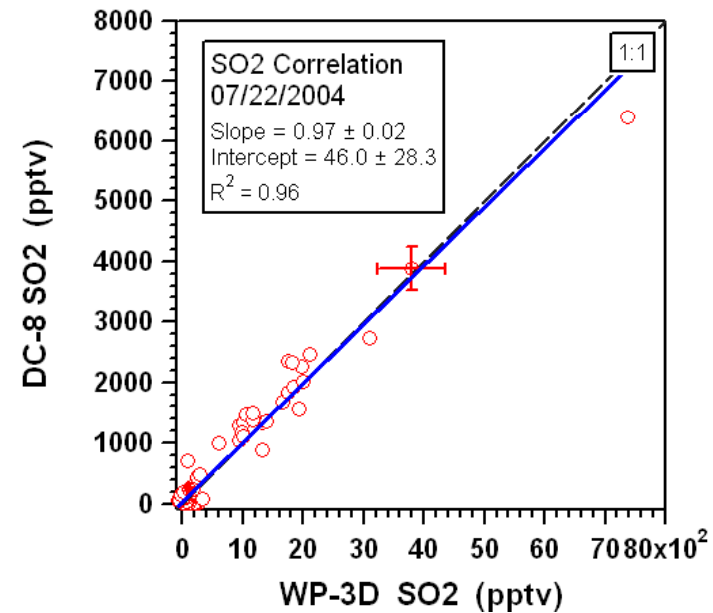
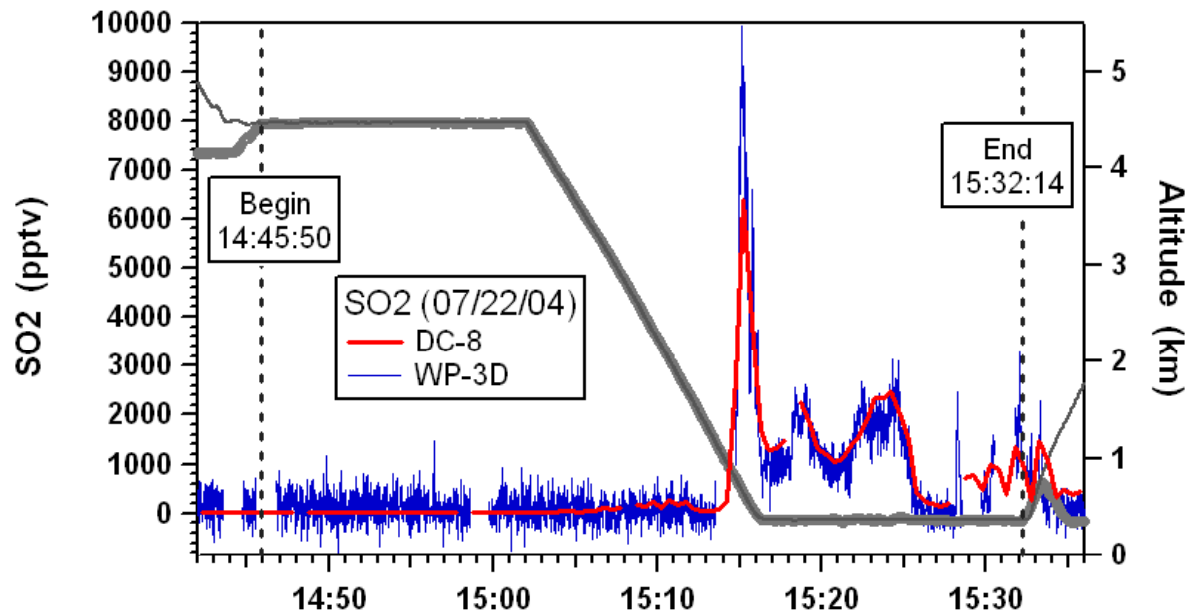


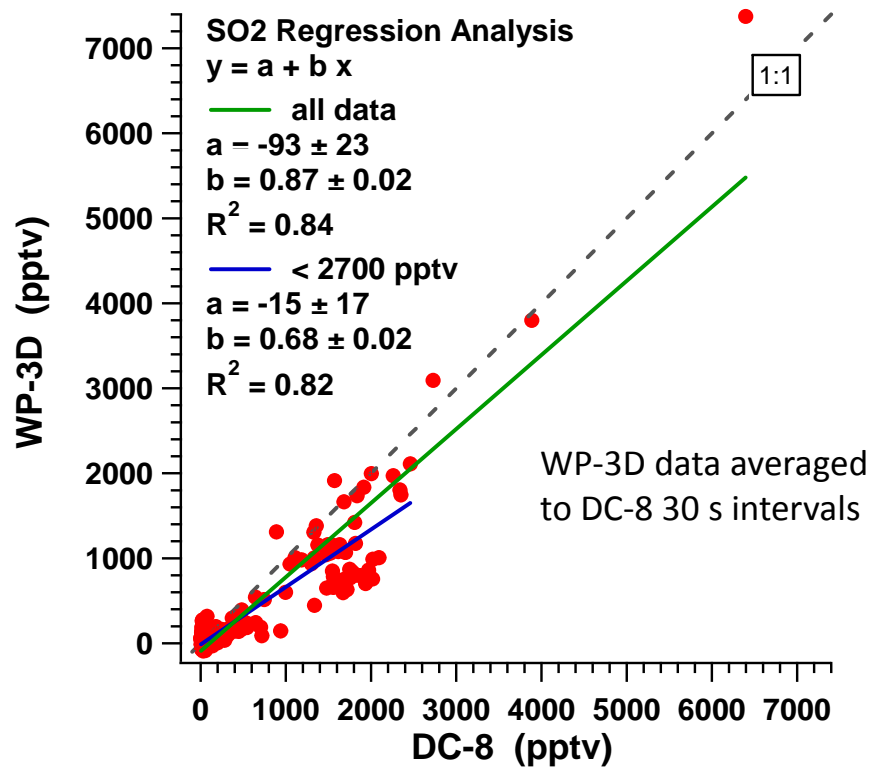
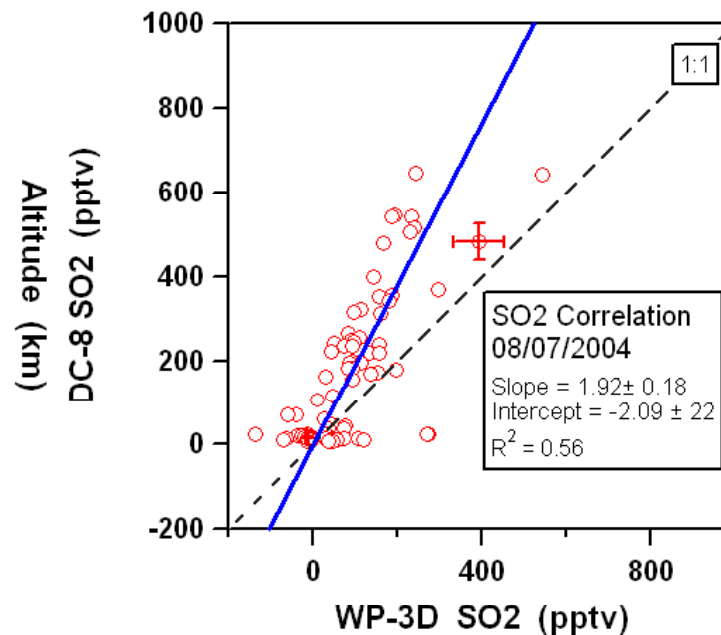
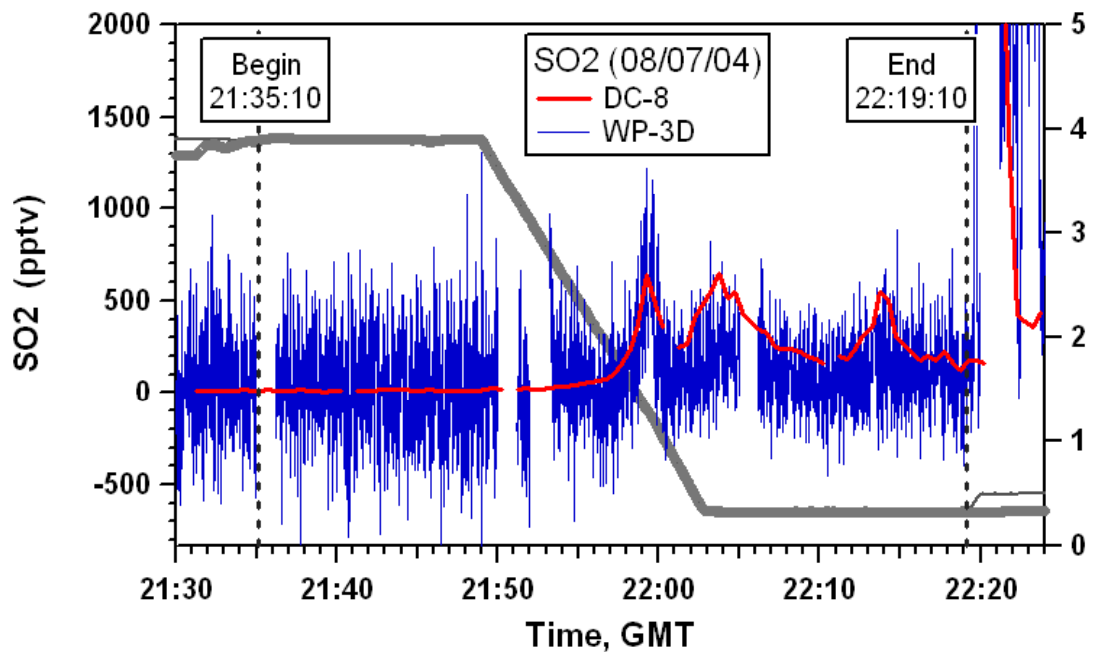
## Estimated Relative Precision

Date	DC-8	WP-3D
<b>7/22/2004</b>	<b>11%</b>	<b>22%</b>
<b>7/31/2004</b>	<b>9%</b>	<b>22%</b>
<b>8/7/2004</b>	<b>13%</b>	<b>30%</b>

## PI Reported Uncertainty

DC-8: 9%
WP-3D: 15%





Projected SO2 Measurement Difference

DC-8	WP-3D All data fit	WP-3D < 2700 fit
100	-6	53
200	81	121
500	342	325
1000	777	665
3000	2517	2025
6000	5217	4065

# $\Delta\text{SO}_2(\text{DC-8} - \text{WP-3D})$ vs. DC-8 $\text{SO}_2$ ICARTT

