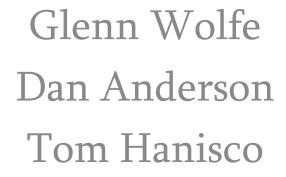


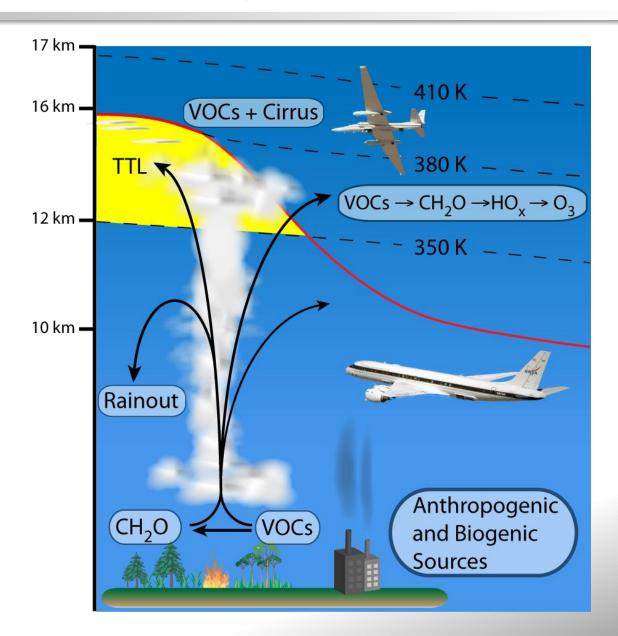
A tale of trepidation and redemption



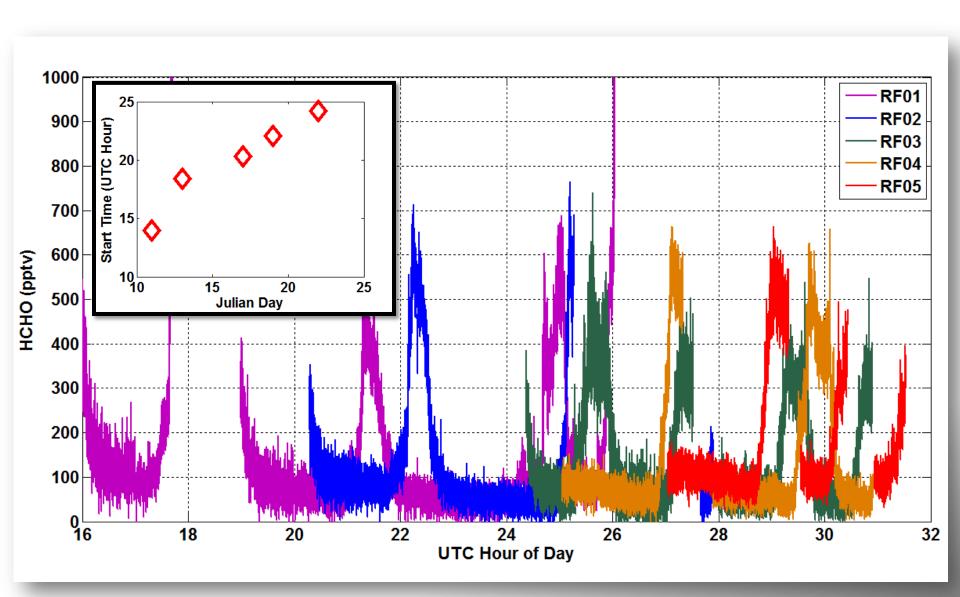




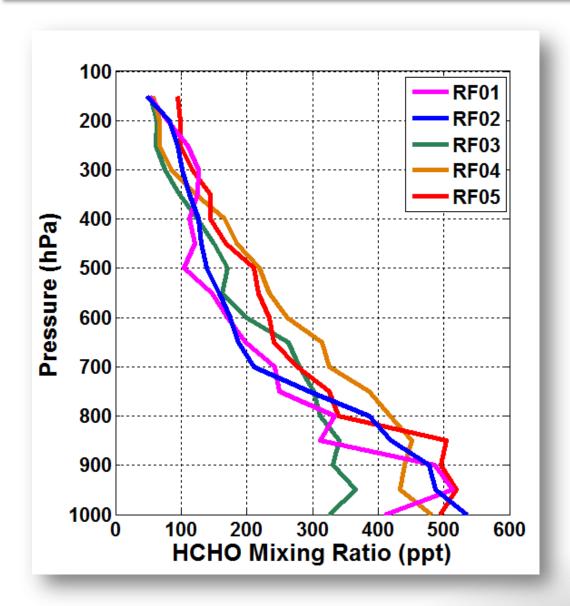
Why HCHO?



Flight Summary



Vertical Profiles



 RF04: Notably elevated HCHO throughout trop

 RF03: Notably low HCHO in MBL

MBL Steady-State Estimate

Reaction	Rate (10 ⁵ molec cm ⁻³ s ⁻¹)
Production	
CH ₄ + OH	6.5
CH ₃ OH + OH	0.2
CH ₃ CHO + OH	2.4
Loss	
HCHO + OH	2.5
HCHO + hv	5.2

$$L_{\text{total}} = 7.7$$

Very rough! Guessed OH, no Br, assumed branching, etc.

Comparison with Ozone

