• Extensive region of low surface O₃ at Equator
• Strong (95%) deep maritime convection to west of Costa Rica and south of Panama, also at 100W/6N
• Transport of continental HCHO into base of maritime convection west of Costa Rica
RAQMS 48hr 12km FX (02/10)

- DMS outflow from Western and Southern convection moving over Central America. Target DMS outflow from 100W/6N?
- Upper level S. American outflow moving west towards Galapagos
- Stratospherically influenced air (higher O3/low CO) east of Galapagos ahead of S. American outflow

**12km CO**

12km O3

12km DMS

12km HCHO
• DMS outflow from Western convection (A) shows elevated CO due to continental influence
• DMS outflow from 100W/6N convection shows lower CO/O3 implying clean maritime convective outflow (B)
• Mid-level (5km) S. American outflow from 15S-10N
• Stratospherically influenced air (higher O3/low CO) to south of clean maritime convective outflow