RAQMS 24 hr FX
Valid 12Z 02/08

- Note: Added 50%, 75% convective precip contours to identify weaker convection

- Strongest convection (95%) at 105W/8N with significant DMS outflow

- Only weak convection is observed to south of this feature

- Localized convection at 6S to west of observed feature
RAQMS 48hr SFC FX (02/09)

- Extensive region of low surface O3 at Equator
- Strong (95%) deep maritime convection to west of Costa Rica and south of Panama
RAQMS 48hr 12km FX (02/09)

- Strong Western and Southern DMS outflow
- Upper level S. American outflow moving west towards Galapagos
RAQMS 72hr SFC FX (02/10)

- Region of low surface O3 at Equator extending North at 105W
- Deep maritime convection predicted to west (100W/12N) and South (85W/6N)
RAQMS 72hr 12km FX (02/10)

- Both Western and Southern DMS outflow decline
- Upper level S. American outflow moving North towards Costa Rica
RAQMS 96hr SFC FX (02/11)

- Extensive region of low surface O3 at Equator continues to push northward
- Deep maritime convection predicted to west (105-100W/16N) and South (85W/6N)
• Western DMS outflow gone. Southern DMS outflow dominates but embedded in upper level S. American outflow which results in sharp E-W gradient at 92.5W
RAQMS 120hr SFC FX (02/12)

- Region of low surface O3 at Equator continues to push Northward at 105W
- Deep maritime convection predicted to west (105W/16N) and South (90-80W/4-8N)
RAQMS 120hr 12km FX (02/12)

- Western DMS outflow gone. Southern DMS outflow dominates
- Upper level S. American outflow moving Northeast over Costa Rica