Maritime Convection Tops at 12km
GOES-12
PATMOS-X
Valid 11:45Z
02/18

Cloud Top Height

Maritime Convection Tops at 12km
RAQMS 24 hr FX
Valid 12Z 02/16

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

- Strongest convection (95%) predicted at 115-100W/8-12N similar to observed convection

- Weaker (75%) convection predicted to East and Southeast of Galapagos similar to observed convection

Maritime Convection Tops at 12km
RAQMS 54hr SFC FX (18Z 02/19)  
Note: Now show SFC H2O instead of SFC DMS

- Low surface O3/HCHO/CO in Equatorial pool to Southwest of Galapagos
- Moderate (75%) maritime convection South of Galapagos
RAQMS 54hr 3km FX (18Z 02/19)  
Note: Now show 3km BRO instead of 3km DMS

- Clean (low CO/O3/HCHO) moderate (75%) maritime convection South of Galapagos
- Residual stratospheric BRO/O3 to Southwest of Galapagos at 100W/10S
RAQMS 54hr 6km FX (18Z 02/19)  Note: Now show 6km BRO instead of 6km HCHO
- DMS outflow within moderate (75%) maritime convection South of Galapagos
- Residual stratospheric BRO/O3 to Southwest of Galapagos at 100W/10S
RAQMS  54hr 12km FX (18Z 02/19)  Note: Now show 12km BRO instead of 12km HCHO
• Mixture of aged strat (elevated O3/BRO) and marine BL (low O3/CO) dominates
• Residual BRO to Northwest and Southwest of Galapagos
RAQMS 54hr 100W FX (18Z 02/19)

Residual BRO with peak near 3km

O3 enhancement aloft
RAQMS 54hr 90W FX (18Z 02/19)

Residual BRO with peak near 3km

DMS enhancement to North