RAQMS 24 hr FX
Valid 12Z 01/31

- Maritime convection placed too far to Southeast.
- Long-range pollution transport to West of Galapagos associated with trough
- Northward transport ahead of trough too far to the east
• Outflow (high DMS) from maritime deep convection is associated with western maritime convection.

• DMS signature of convective outflow appears to be between observed outflow features
RAQMS 48hr SFC CO/O3/DMS/HCHO FX Valid 12Z 02/01

- Offshore SFC flow leads to enhanced CO/O3/DMS/HCHO West of Costa Rica
- Sharp NS gradient in CO/O3/HCHO at ~4N
RAQMS 72hr SFC CO/O3/DMS/HCHO FX Valid 12Z 02/02

- Continued offshore SFC flow leads to enhanced CO/O3/DMS/HCHO West of Costa Rica
- Expansion of equatorial marine BL O3 minimum between 110-100W
• Continued offshore SFC flow leads to enhanced CO/O3/DMS/HCHO West of Costa Rica
• Continued expansion of equatorial marine BL O3 minimum between 110-100W
RAQMS 120hr SFC CO/O3/DMS/HCHO FX Valid 12Z 02/04

- Continued offshore SFC flow leads to enhanced CO/O3/DMS/HCHO West of Costa Rica
- Deepening of equatorial marine BL O3 minimum between 110-105W
RAQMS 48hr 12km/10N  DMS
FX Valid 12Z 02/01

- Outflow (high DMS) from maritime deep convection is associated with western (A) maritime convection.

- Outflow from maritime convection extends from 9-13km with maximum at 12km.
RAQMS 72hr 12km/10N DMS
FX Valid 12Z 02/02

- Outflow (high DMS) from maritime deep convection beginning from Eastern (B) maritime convection.

- Outflow from maritime convection extends from 10-13km with maximum at 12km.
RAQMS 96hr 12km/10N  DMS
FX Valid 12Z 02/03

- Outflow (high DMS) from maritime deep convection weakens from Western (A) and intensifies from Eastern (B) maritime convection.

- Outflow from maritime convection at 12km (10N)
• Outflow (high DMS) from maritime deep convection continues to weaken from Western (A) and intensify from Eastern (B) maritime convection.

• Outflow from maritime convection at 12km (10N)