GOES-W/E Sounder Column O3 retrieval
At 06Z 05/25 shows very high column O3 (>400DU) within trough axis on the west coast and lobe of high column O3 over East Coast in excess of 350 DU

RAQMS 18hr O3 FX valid 06Z 05/25 shows ozone in excess of 120ppbv over NV at 6km

Trough is forecasted to remain stationary and dig deep south over CA with O3 maximum at 6km getting sheared out before advecting Eastward over CO on Sunday
RAQMS 30hr SFC O₃/Black and Organic Carbon (BCOC) FX
Valid 18Z 05/25 (Fri afternoon)

- Main region of convection (95% cpcp=0.186 mm/hr) FX over Southern FL
- Very isolated (75% cpcp) convection OK domain
- SFC O₃ enhancements over NV, UT, WY due to STE and AZ fires
- SFC BCOC enhancements over UT, WY and northern CO due to AZ wildfires
RAQMS 30hr 105W O3 and Black and Organic Carbon (BCOC) FX Valid 18Z 05/25 (Fri afternoon)

- Stratospheric O3 above 3km south of CO domain and elevated BCOC below 5km in northern half of CO at 105W
RAQMS 30hr 06km O3 and Lighting NOX (LNOX)
Valid 18Z 05/25 (Fri afternoon)

- O3 >120 to West of CO domain at 6km
- Elevated O3 over TX/OK at 6km
- Weak (<100ppbv/day) LNOX over TX/OK domains at 6km
RAQMS 54hr SFC O3/Black and Organic Carbon (BCOC) FX
Valid 18Z 05/26(Sat Afternoon)

- Isolated convection (75% cpcp) over TX domain
- SFC O3 enhancements and some BCOC enhancement over WY
- Significant SFC O3/BCOC enhancements to west of AL domain
RAQMS 54hr 105W O3 and Black and Organic Carbon (BCOC) FX Valid 18Z 05/26 (Sat afternoon)

Stratospheric O3 advected over CO @ 6km, elevated BCOC moves north of CO domain
RAQMS 54hr 06km O3/Black and Lightning NOX (LNOX) FX
Valid 18Z 05/26 (Sat Afternoon)

- High (>120ppbv) O3 in digging trough axis over NV and UT.
- High (80-100ppbv) O3 west of TX domain and over CO domain due to aged stratospheric air
- LNOX enhancements associated with isolated convection over TX domain