

AEROMMA Check Flight

Planned for: Wednesday, June 14

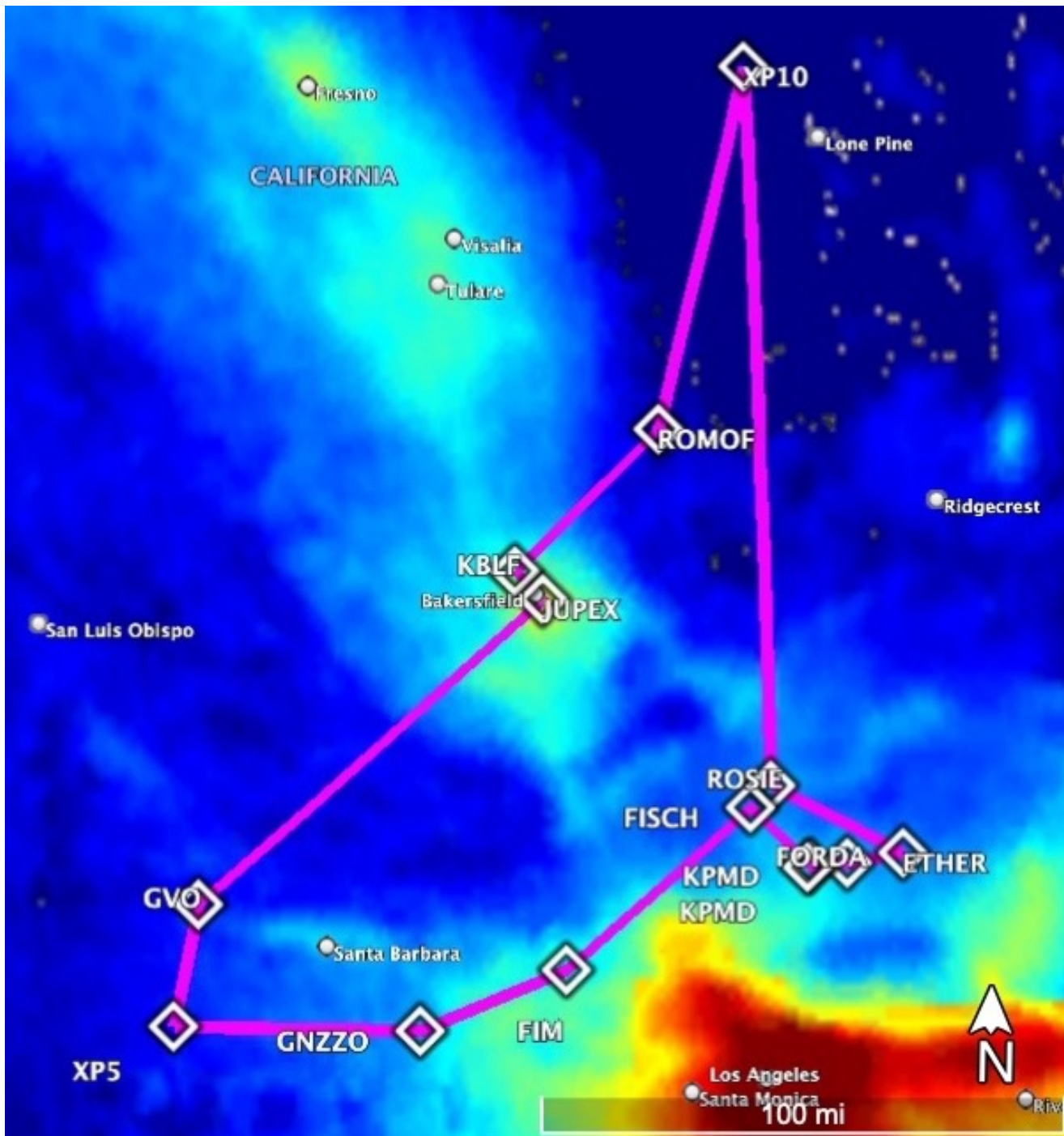


Plan

- Climb out of Palmdale to **11,000 ft MSL** proceed to the Santa Barbara coast
- Begin descent to **6,000 ft MSL** once clear of terrain.
- Near coast, descend to **2,000 ft MSL**
- Over water, descend and maintain **500 ft MSL** for at least 5 min.
- Head toward Bakersfield climb to **10,000 ft MSL**.
- **Missed approach at Bakersfield (KBFL)**
- Climb to **34,000 ft MSL** and do maneuvers required for MMS calibration
- Return to Palmdale (KPMD)

Flight Duration: ~2 hours

Planned Take – off: ~Noon



Annual (2019) average TROPOMI NO₂

NO₂ Tropospheric Vertical Column ($\times 10^{14}$ molecules cm^{-2})



- The missed approach into Bakersfield will provide some higher signals for testing