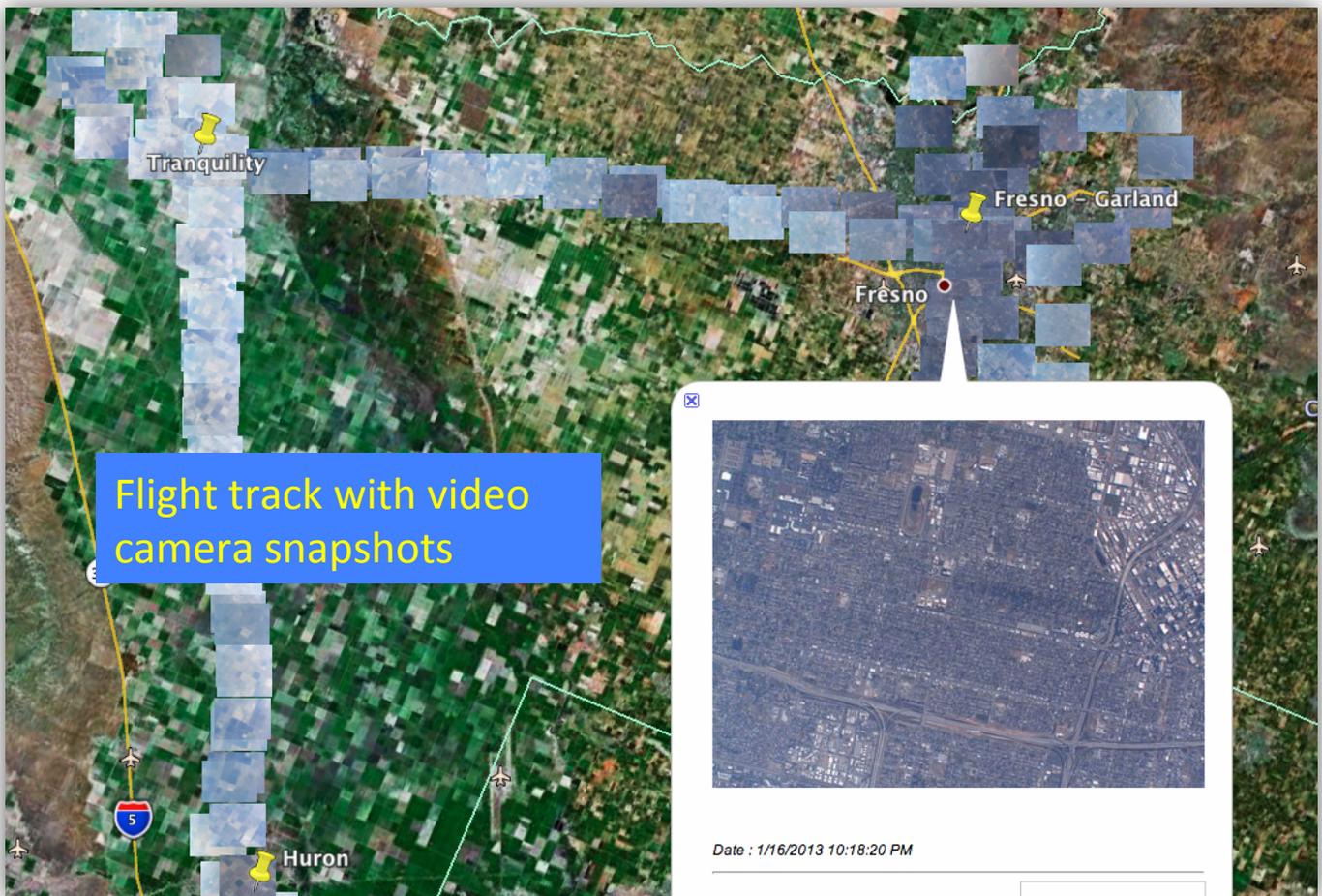


ACAM Flight Report – California Deployment

Date of operation: 01/16/2013

Operations and instrument status

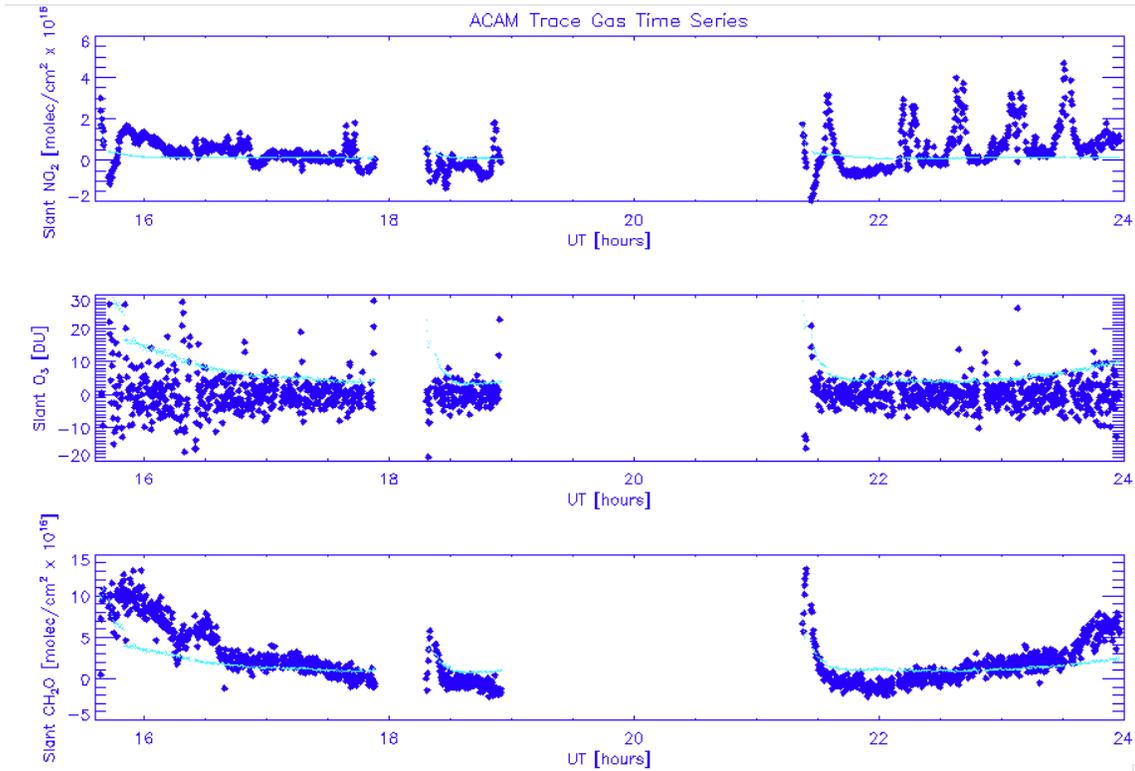
Instrument operated normally except for some lengthy comm dropouts between the instrument and GPS unit (not critical as this is a backup to the APLANIX data). Onboard power to the instrument was not available between 18:00 UTC and 18:15 UTC and again after 19:00 UTC during the morning flight due to troubleshooting a power distribution issue. This issue was fixed for the afternoon flight.



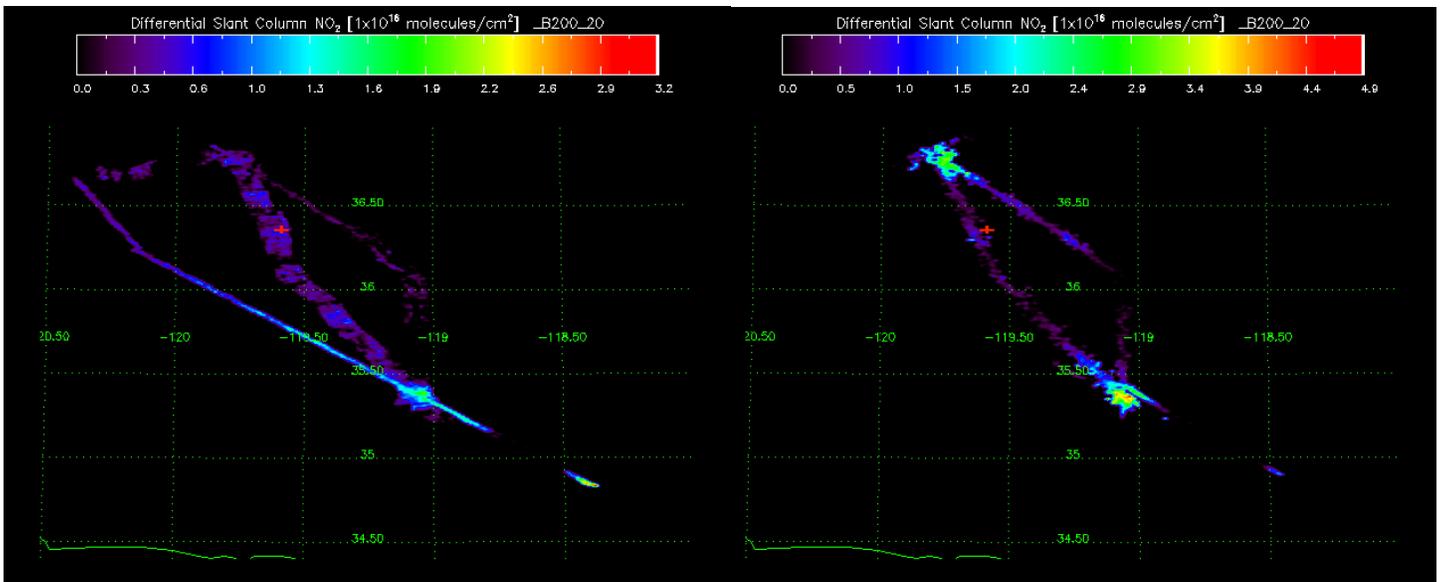
Science Summary

Trace gas measurements are shown on the next page as differential slant column values relative to a minimum solar zenith angle reference. Large peaks of NO_2 are seen in the Bakersfield and Fresno area especially in the afternoon. All other locations show relatively low levels.

Time series plots of NO₂ O₃ and CH₂



NO₂ maps



Morning flight

Afternoon flight