DISCOVER-AQ
HSRL Data Summary

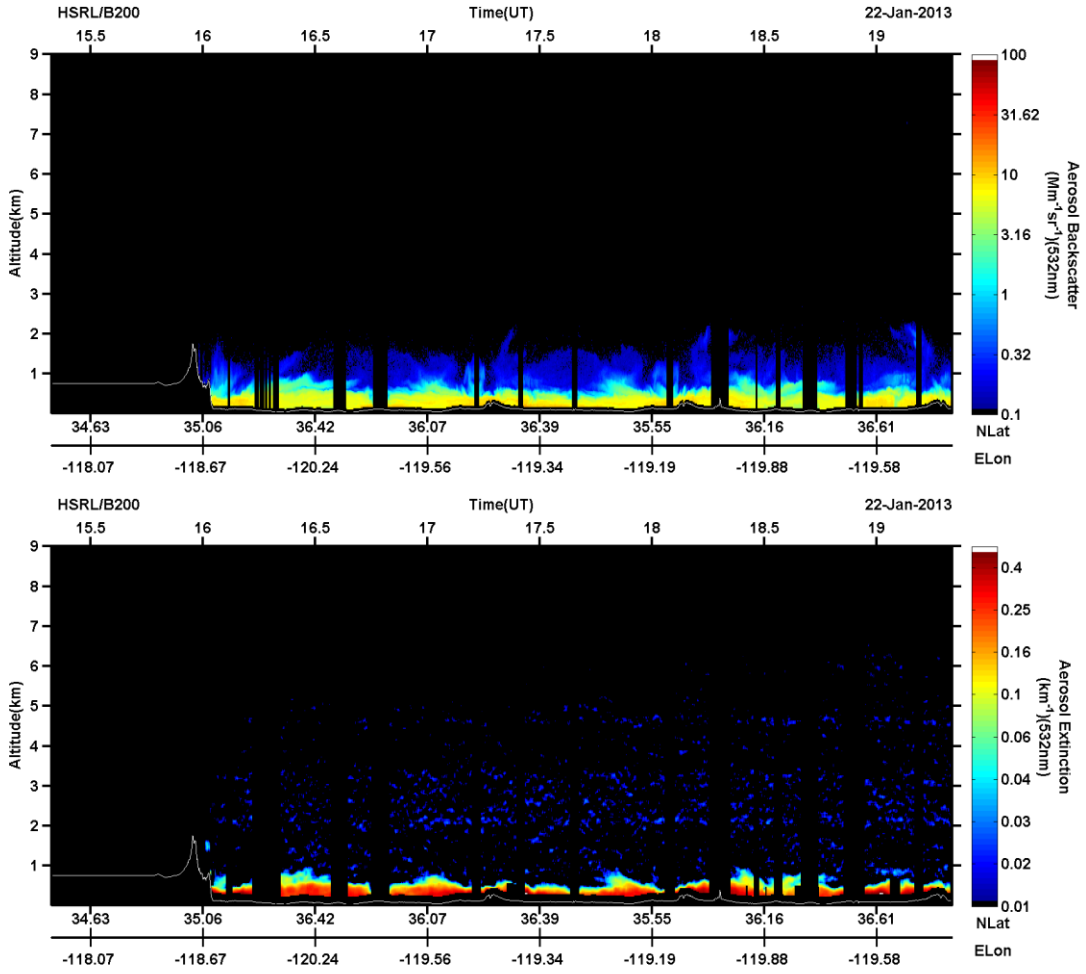
FLIGHT: Morning science flight (1 of 2)

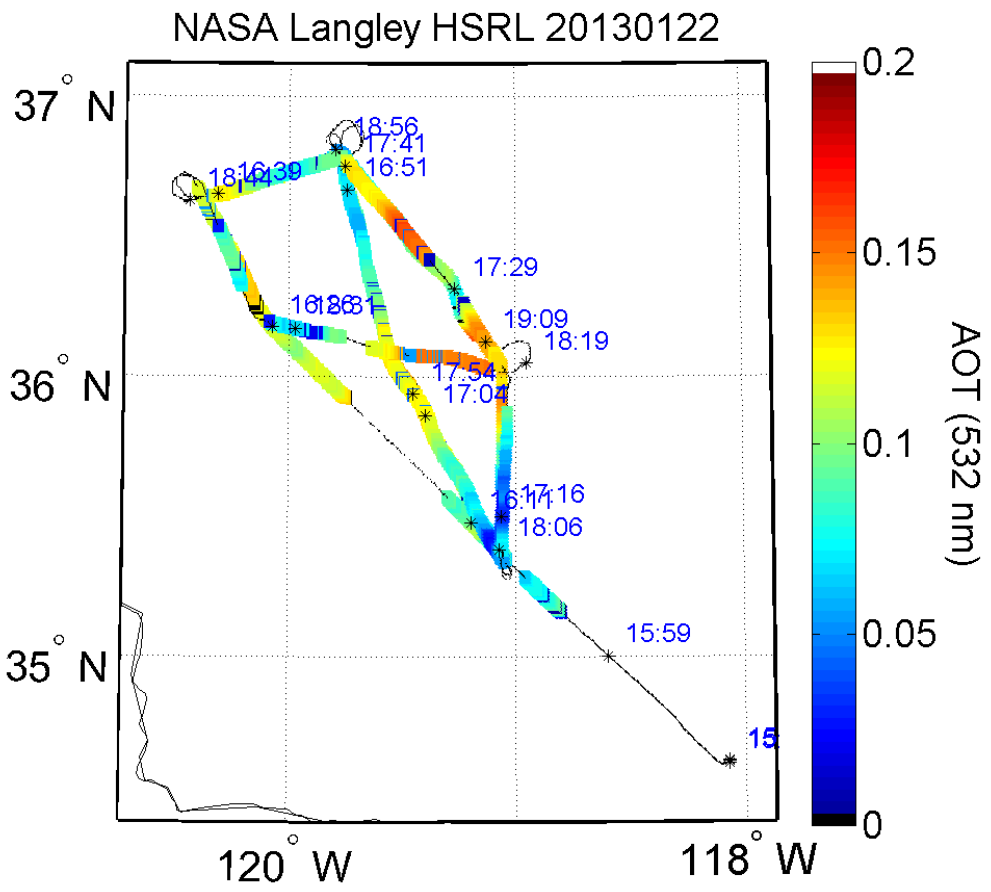
DATE: Jan 22 2013

DURATION: 3.9 hours

SUMMARY:
Preliminary results suggest problems with boreshighting that create inaccuracies above 7 km in altitude. Also, we experienced a load shed that interrupted power at the end of the flight, eliminating our end-of-flight calibrations.

SUMMARY PLOTS:






HSRL2 Operator Flight Notes
Date: 1/22/2013
Flight 1

- Takeoff at 15:47UTC
- beam steering is wandering around a lot more today than other days????????? 17:53UTC
- load shed at 19:20UTC. Not enough time to bring system back up before landing (in approx 15min)

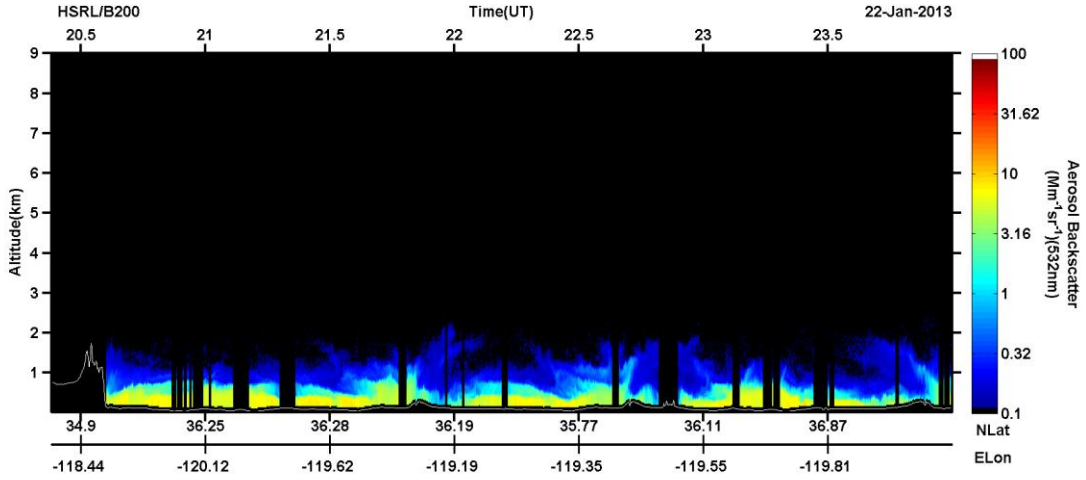
FLIGHT: Afternoon science flight (2 of 2)

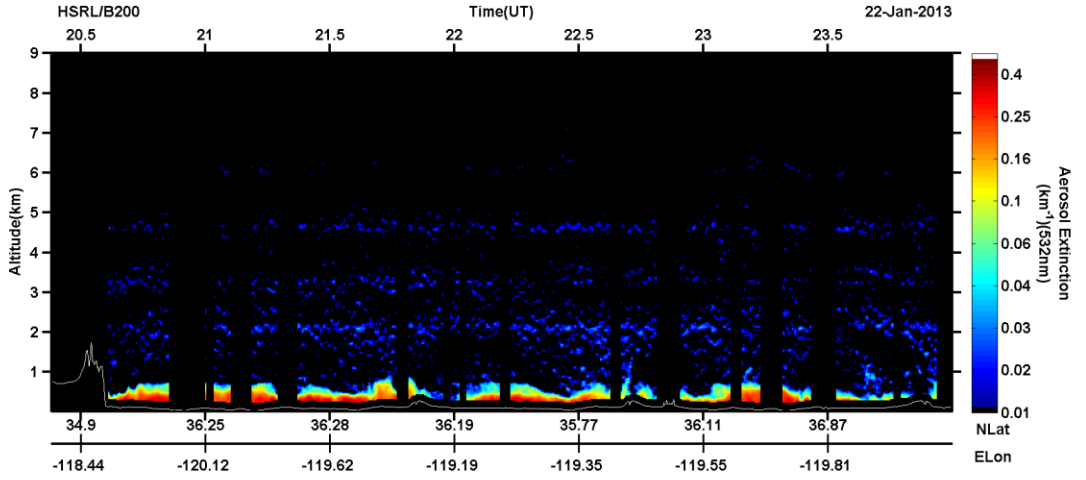
DATE: Jan 22 2013

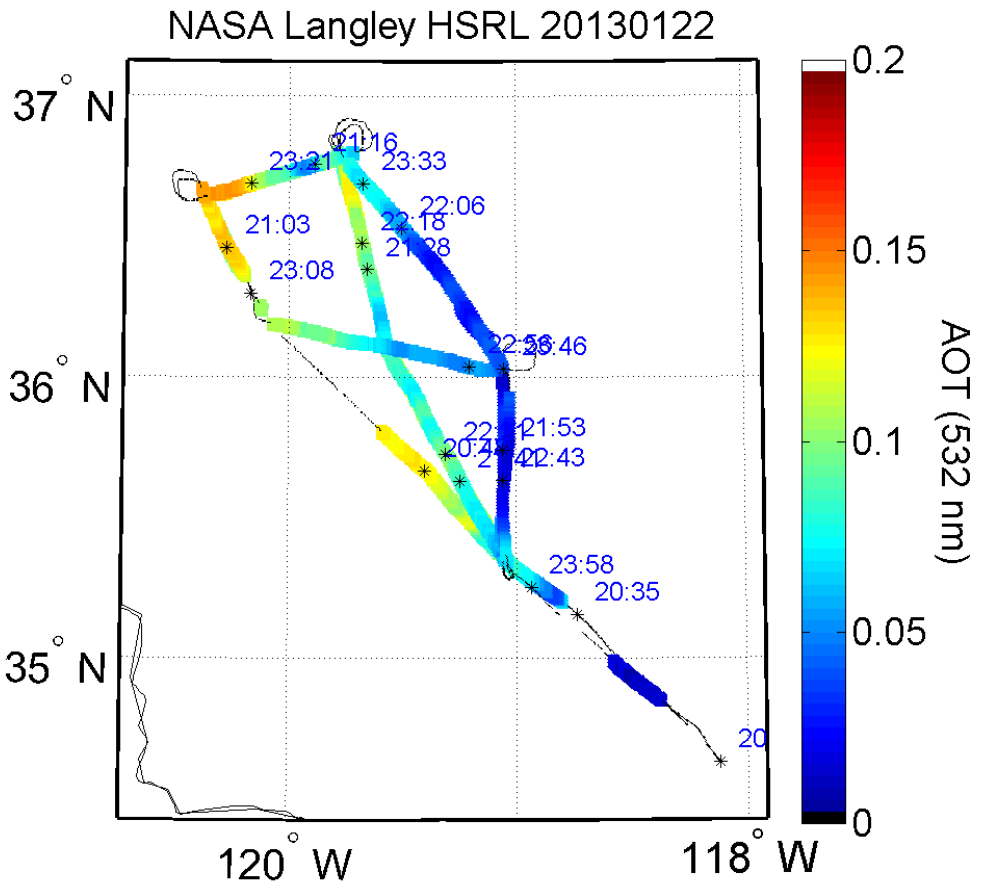
DURATION: 4 hours

SUMMARY: HSRL-2 operated nominally during the flight.

SUMMARY PLOTS:






---

HSRL2 Operator Flight Notes
Date: 1/22/2013
Flight 2

- Takeoff at 20:21UTC
- For some reason when we do an I2 cal, the boresight detector turns off.
- solid overcast now above us 22:19UTC
- skipped OAC cals at the end. Did PGRs, I2, and IGR - OAC provides nothing at end of flight
- put INTF in severe tilt for descent