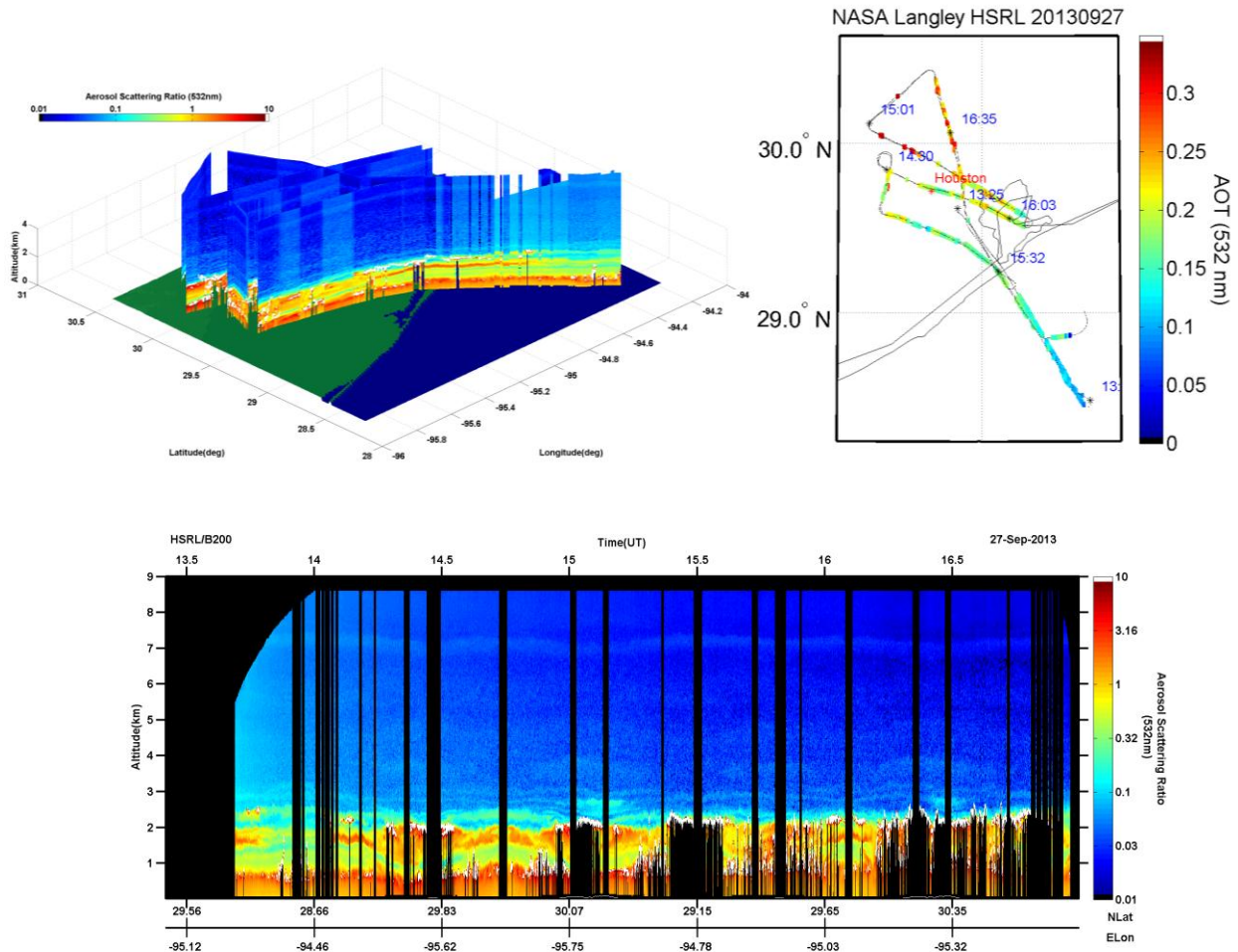


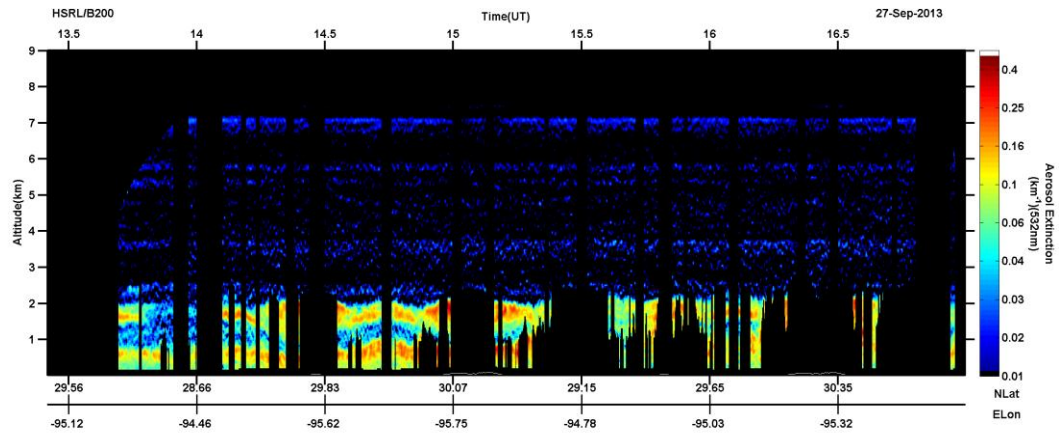
DISCOVER-AQ HSRL Data Summary

FLIGHT: Morning science flight (1 of 1)
DATE: September 27, 2013

SUMMARY:

Aerosol observed by HSRL-2 on this morning's flight exhibited a two-layer structure, with a significant fraction of the aerosol optical depth in an elevated layer between 1 and 2 km. Preliminary aerosol typing identified the upper layer as smoke. Scattered clouds in the first loop increased to broken clouds in the second loop which limited the amount of aerosol data available. However, since the clouds also occurred at two altitudes, there are many observations of aerosol above clouds which could be of scientific interest. The horizontal variability of aerosol optical depth was similar to several flights early in this mission, with greater optical depth in the northern half of the flight pattern. Boundary layer aerosol was not noticeably depolarizing.





Operator Flight Notes, Flight # 1

- 532 nm OAC, PGR cals at 1400 UTC
- 355 nm OAC, PGR cals at 1402 UTC
- I2 cal at 1404 UTC
- OAC, PGR, I2 cals at 1649
- INF IGR cal started at 1653

There was no afternoon flight of the B200 today, due to excessive cloudiness and marginal science targets.