

DISCOVER-AQ HSRL Data Summary

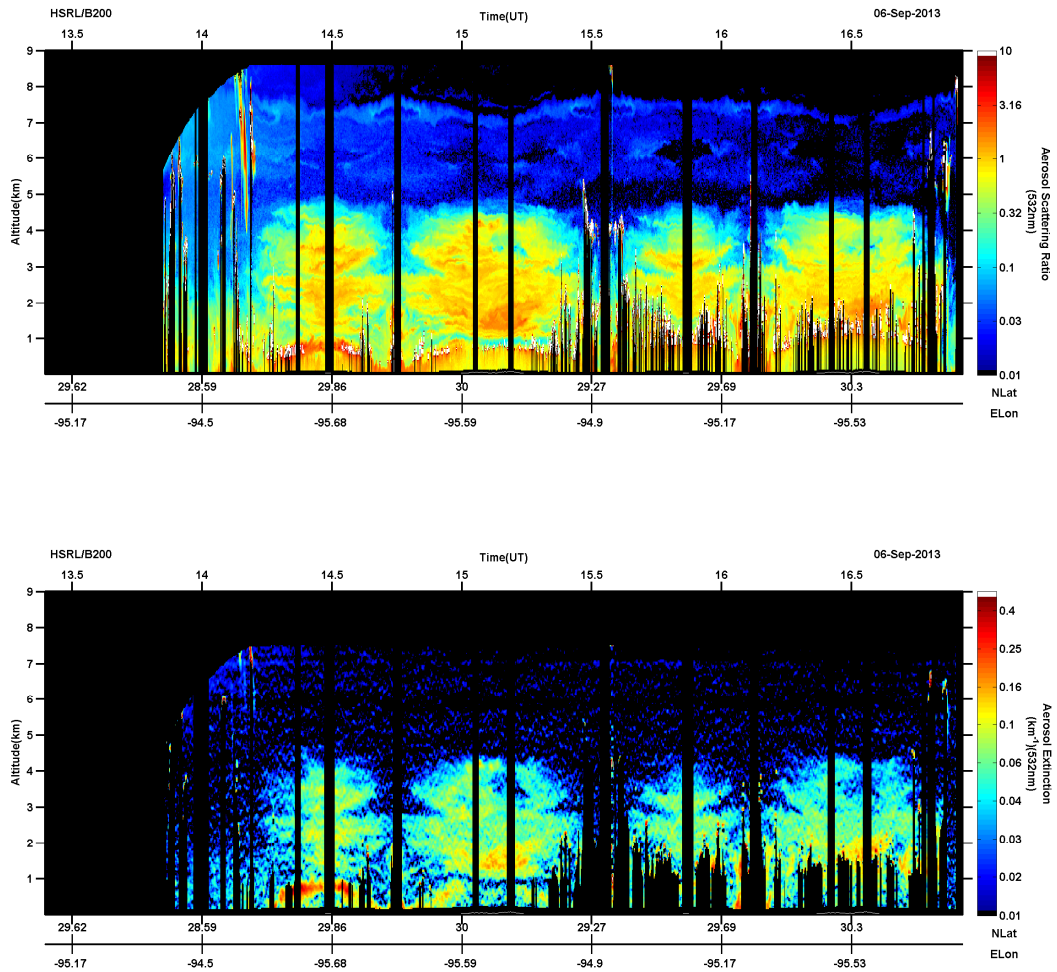
FLIGHT: Morning science flight (1 of 2)

DATE: September 6, 2013

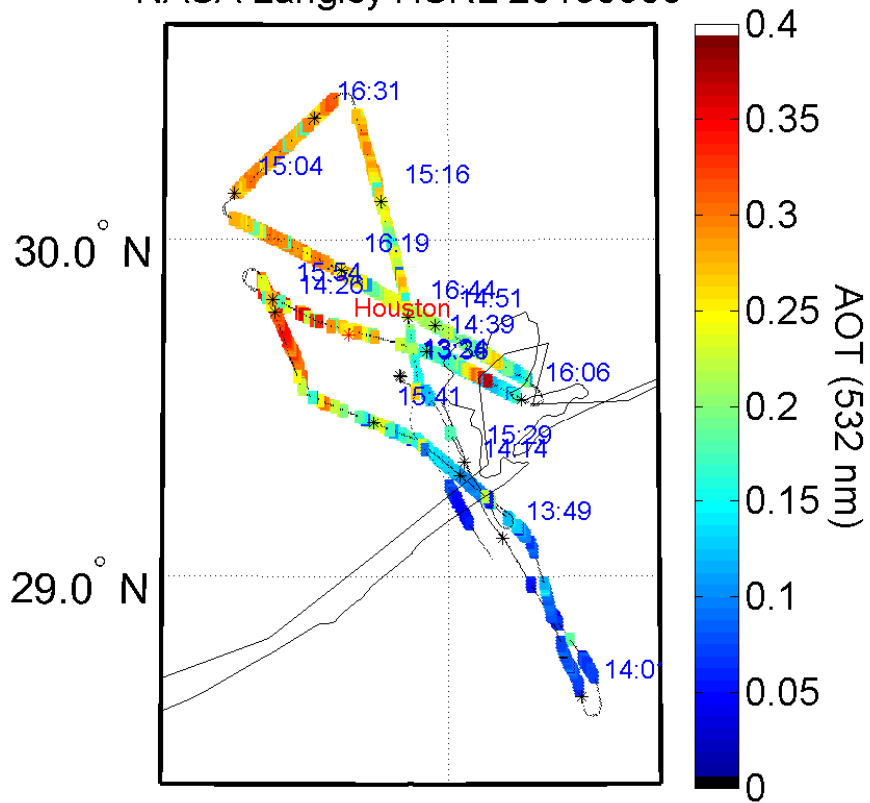
DURATION: 3.8 hours, 13:35 to 17:22 UTC

SUMMARY:

Clouds in the area persisted but did not preclude completing the entire planned path, although portions of the pattern were in the clouds. Completed two DAQ patterns. We are still seeing aerosol loading up to 5km with high lidar ratio, as well as increased aerosol depol near the surface. We can also see that the latter half of the flight had more cloud cover in general than the first half.



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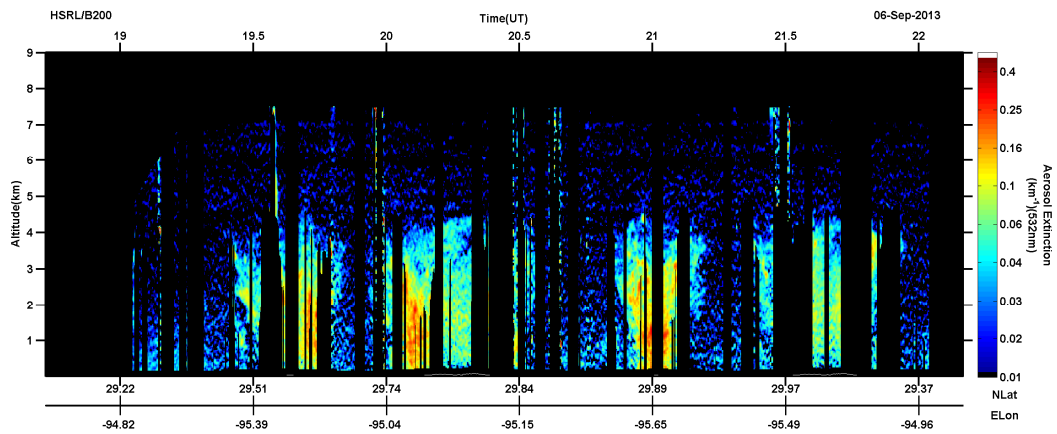
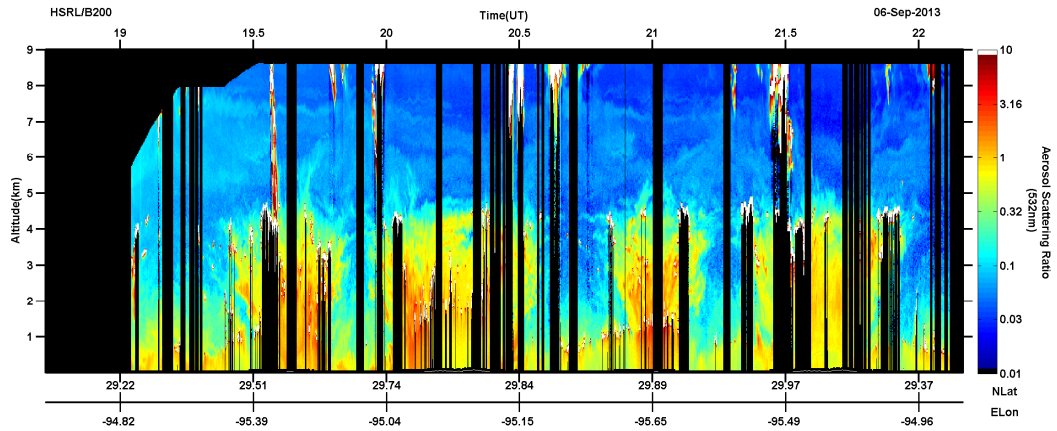


Operator Flight Notes, Flight # 1:

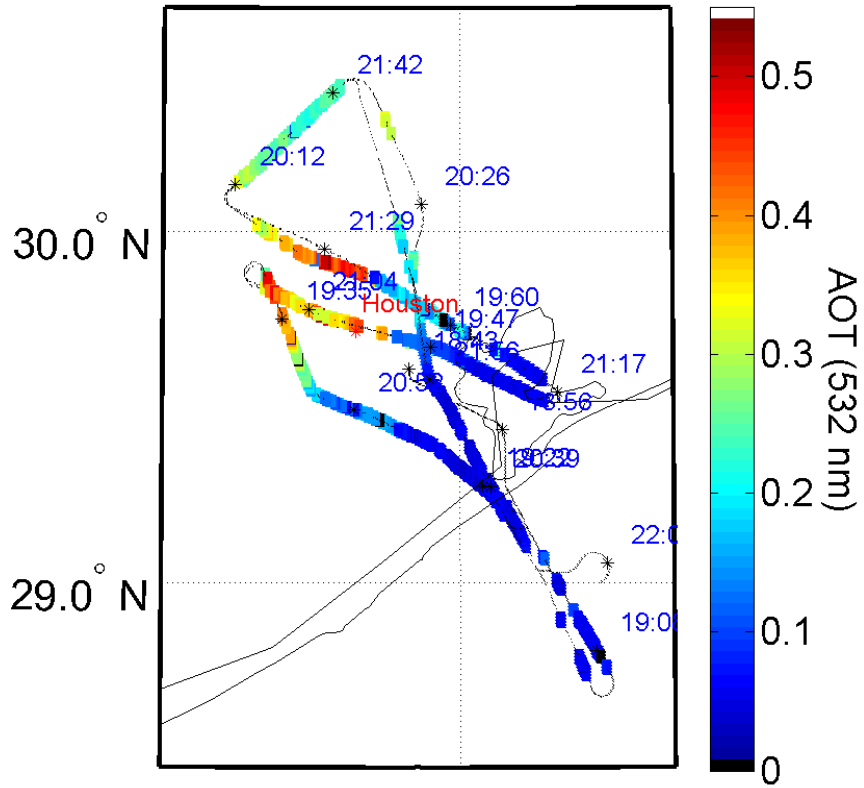
- Having interferometer tuning issue, locking pzs going out of range 1416 utc
 - Optimizing locking point on interferometer at 1611 utc
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FLIGHT: Afternoon science flight (2 of 2)
DATE: September 6, 2013
DURATION: 3.6 hours, 18:47 to 22:30 UTC
SUMMARY:

Completed two DAQ patterns, with some minor deviations due to weather. It does look a bit cleaner in terms of aerosol compared to the morning flight after the storms rolled through, however the cloud cover was greater.



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Operator Flight Notes, Flight # 2:

- Adjustments to the interferometer 1956 utc
- Interferometer cal 2203 utc