

DISCOVER-AQ

HSRL Data Summary

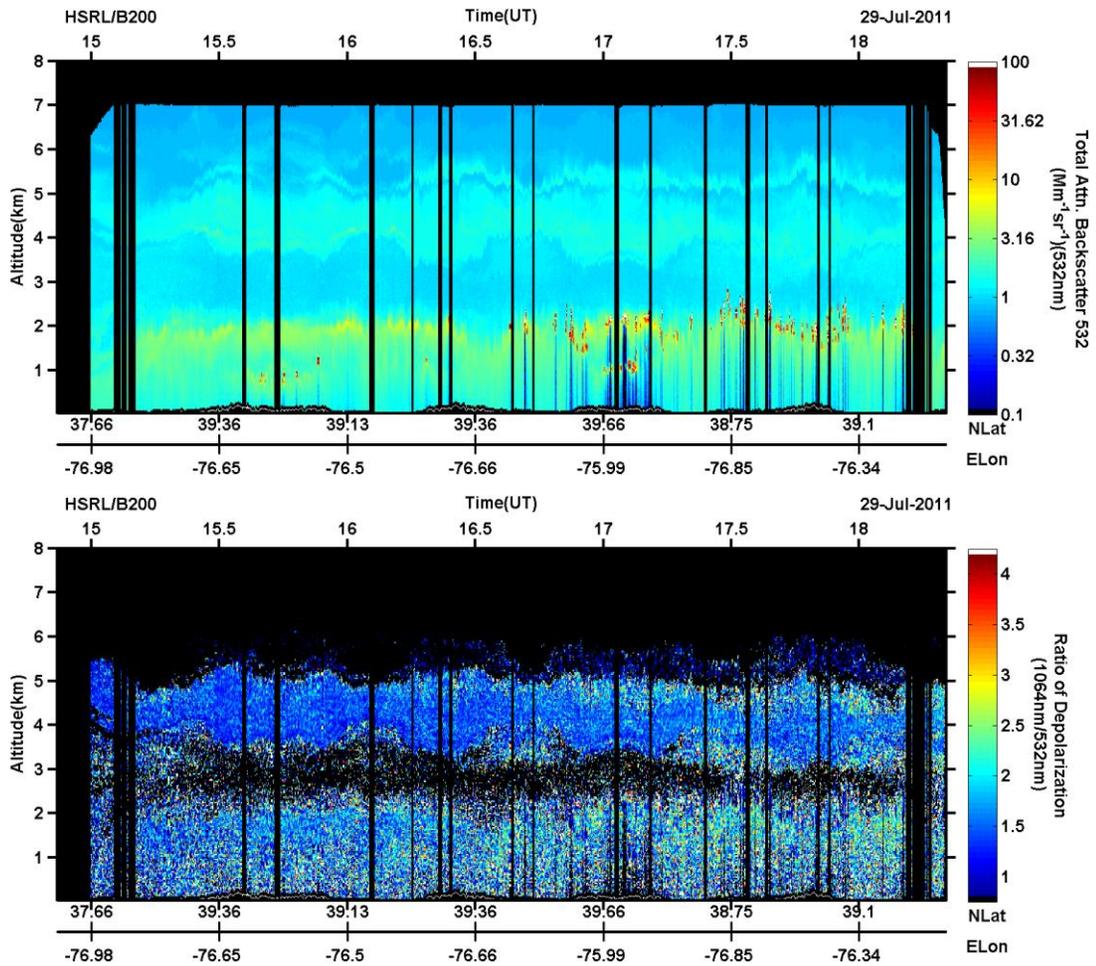
FLIGHT: Morning science flight (1 of 2)

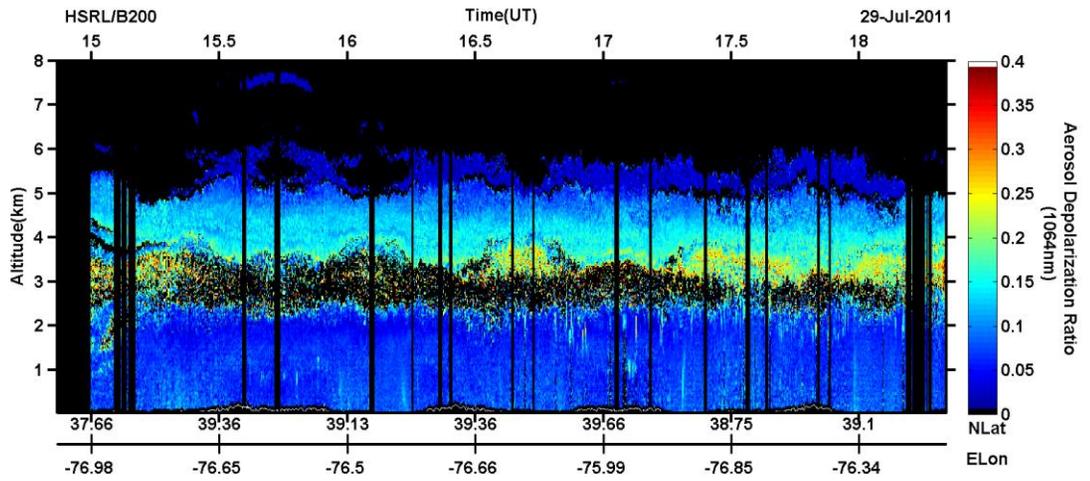
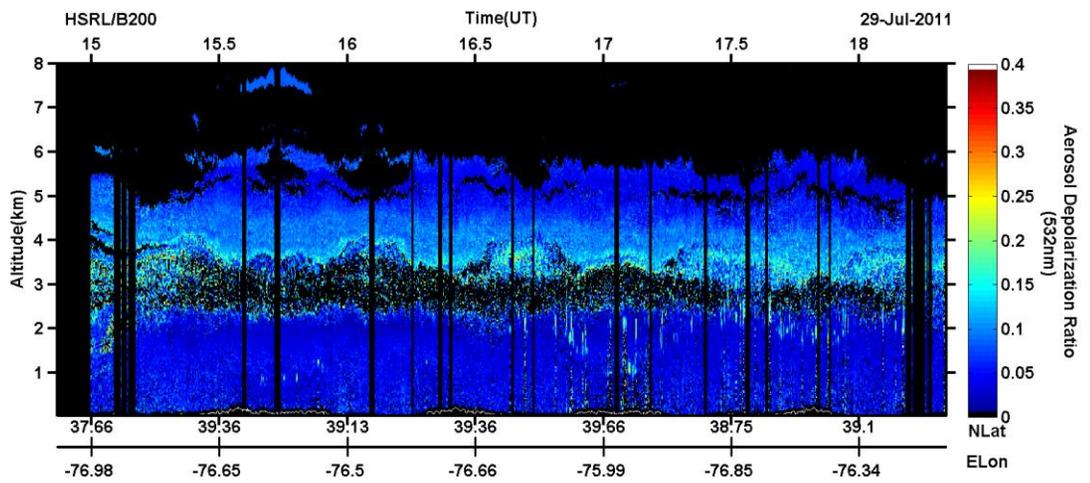
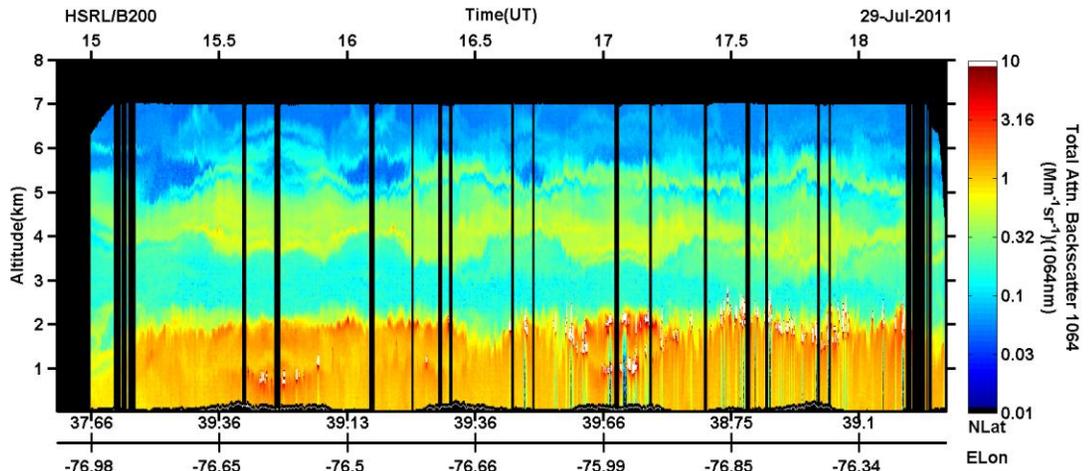
DATE: July 29, 2011

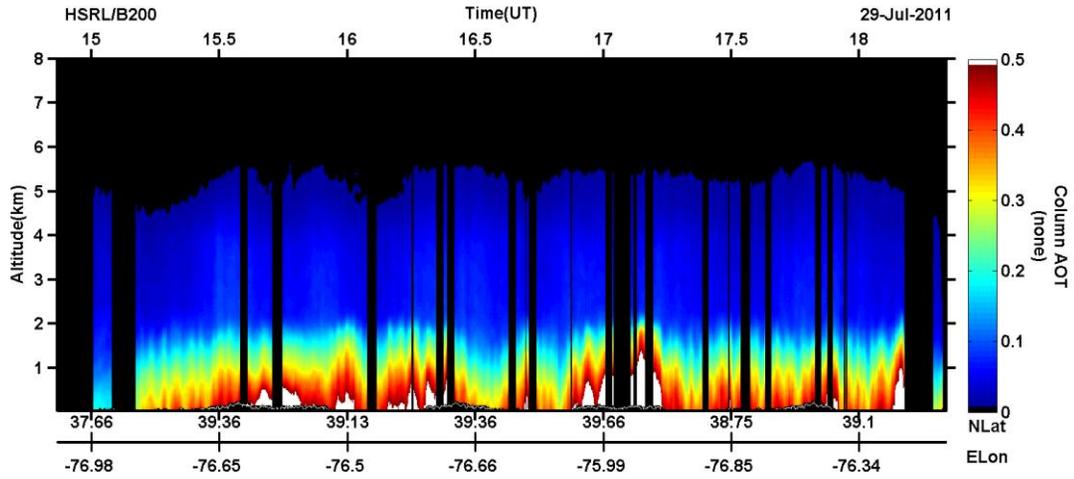
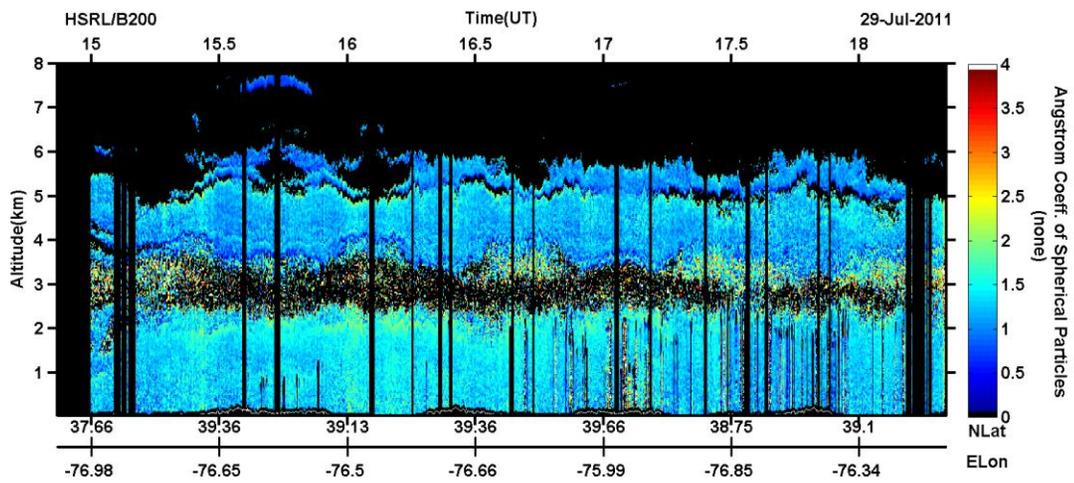
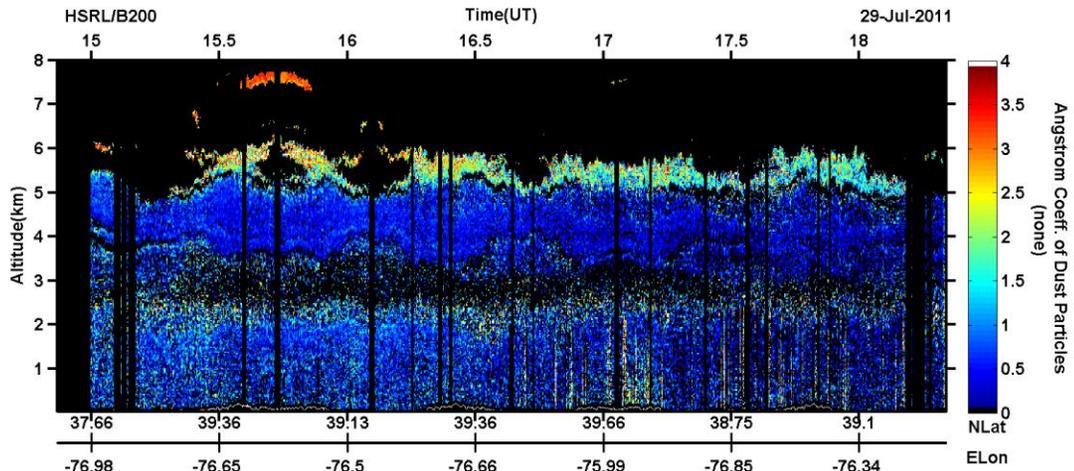
DURATION: 4.0 hours

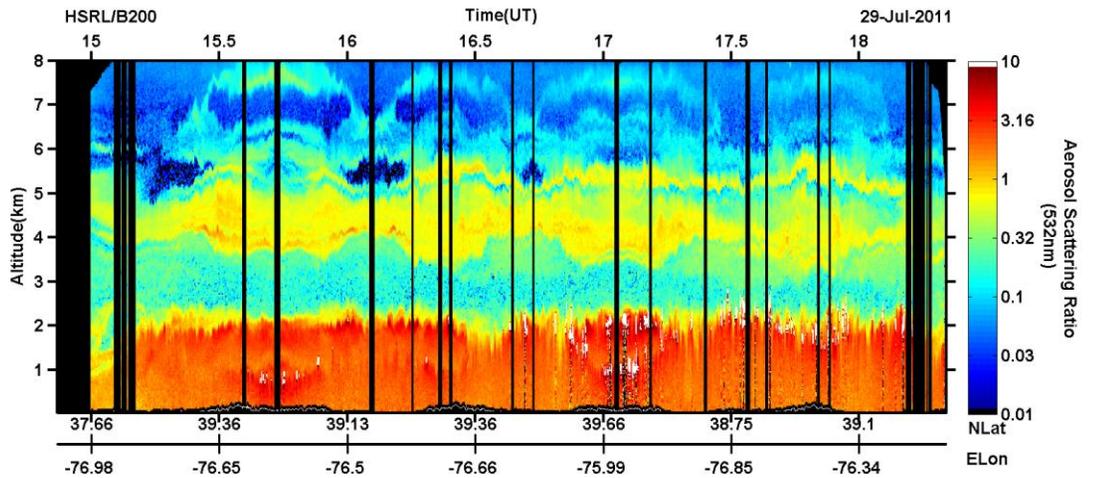
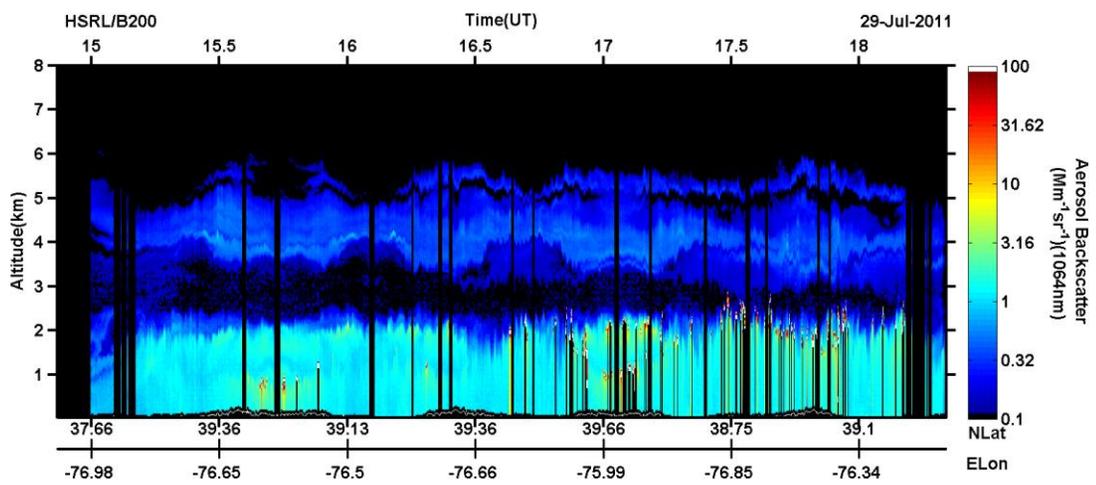
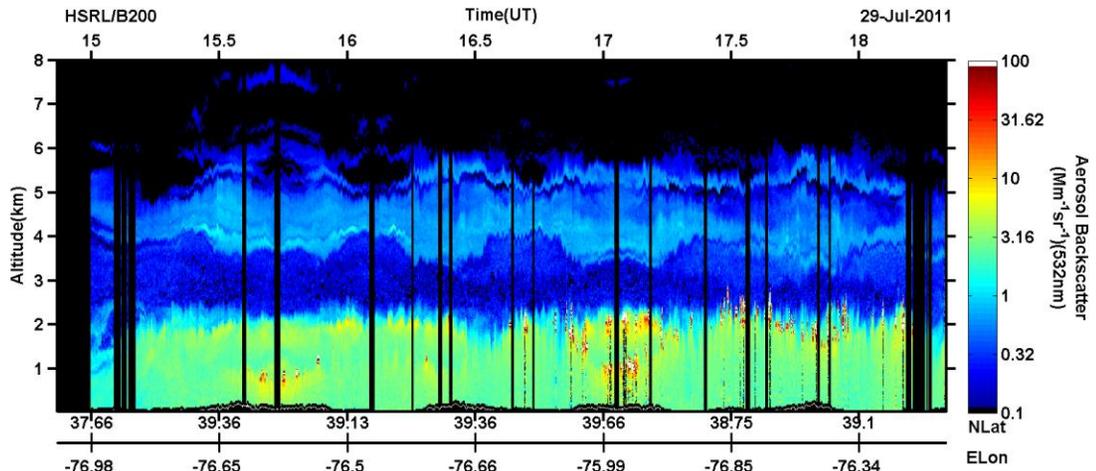
SUMMARY: Takeoff was at 10:37 AM local time from NASA Langley Research Center. A well defined boundary layer up to about 2 km altitude was present with a less prominent lofted aerosol layer above it between about 3.5 and 5.5 km. Few clouds were present. HSRL operation was nominal.

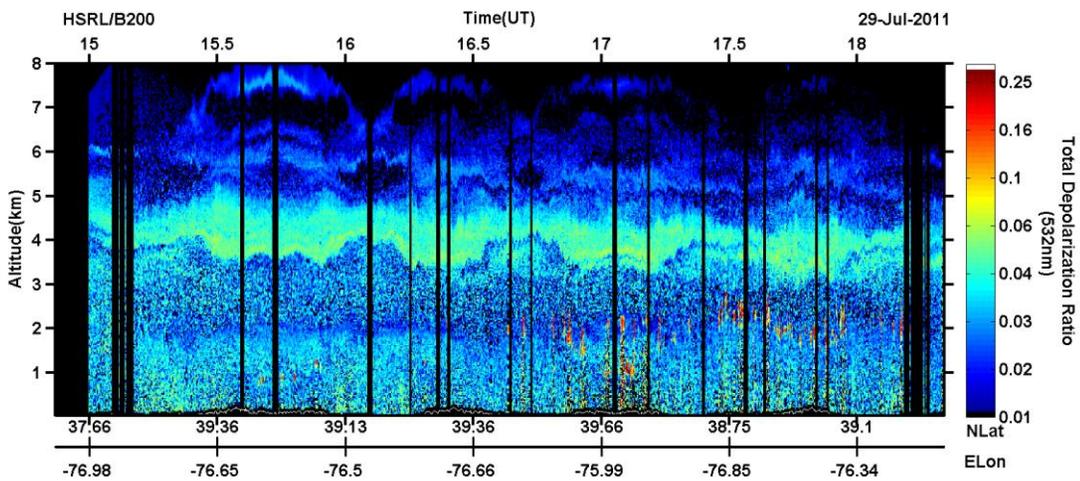
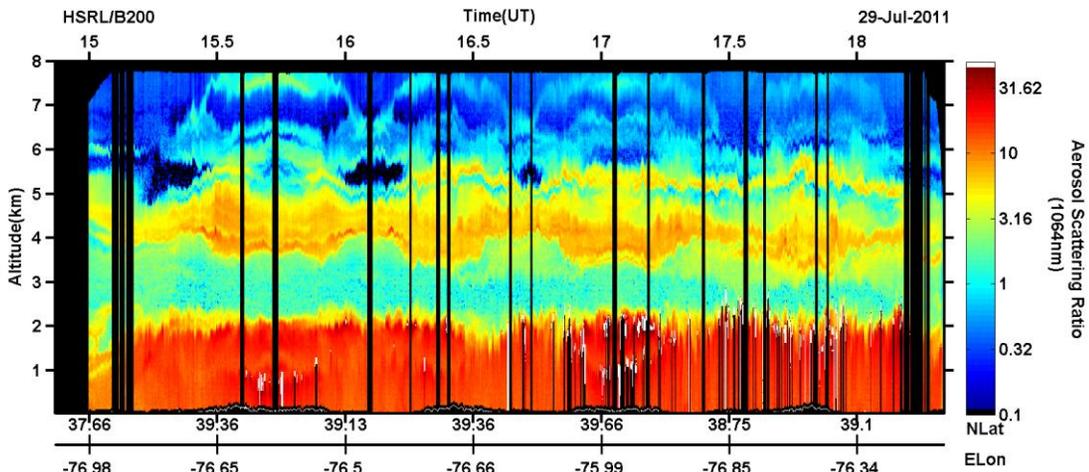
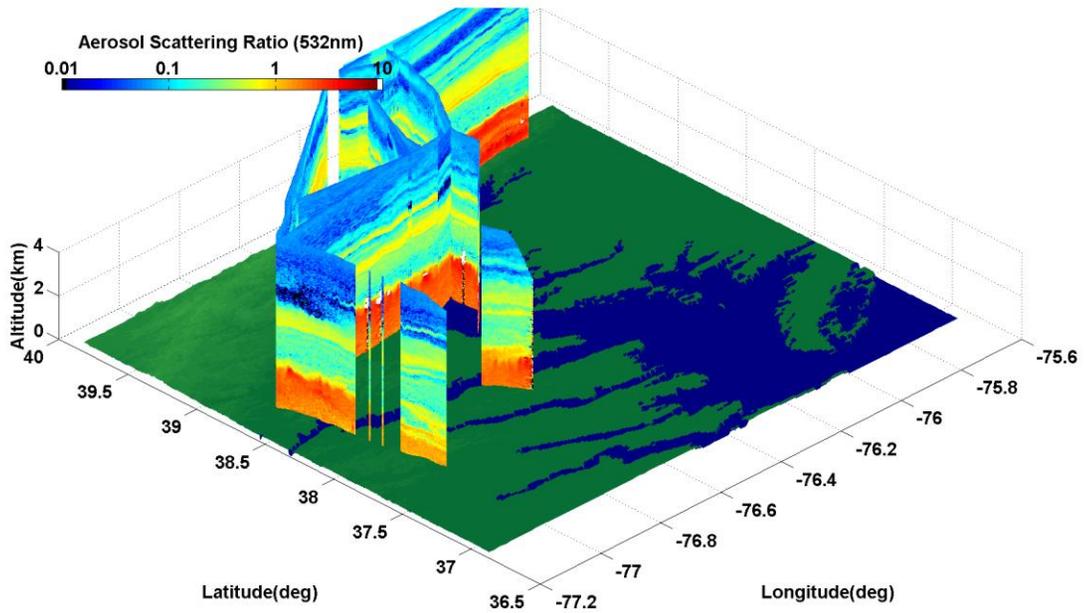
SUMMARY PLOTS:

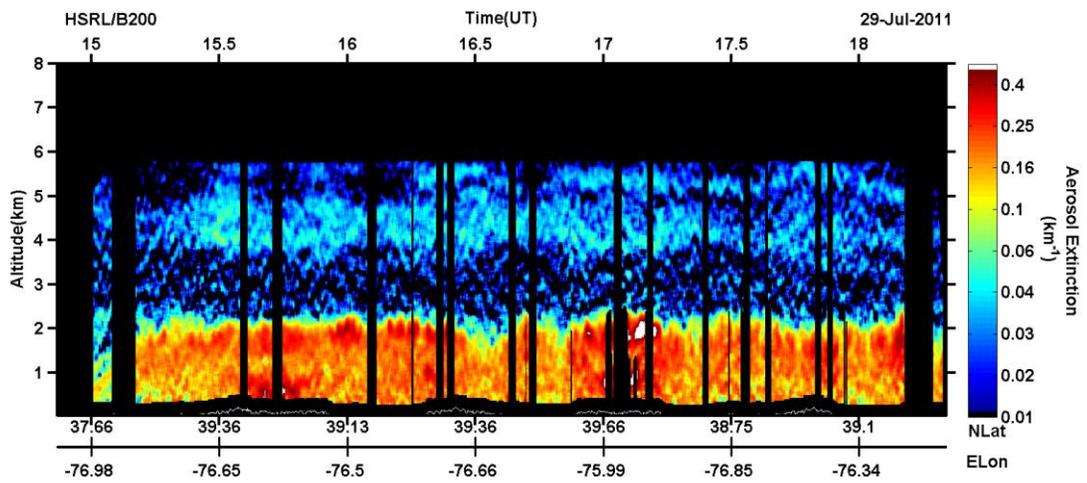
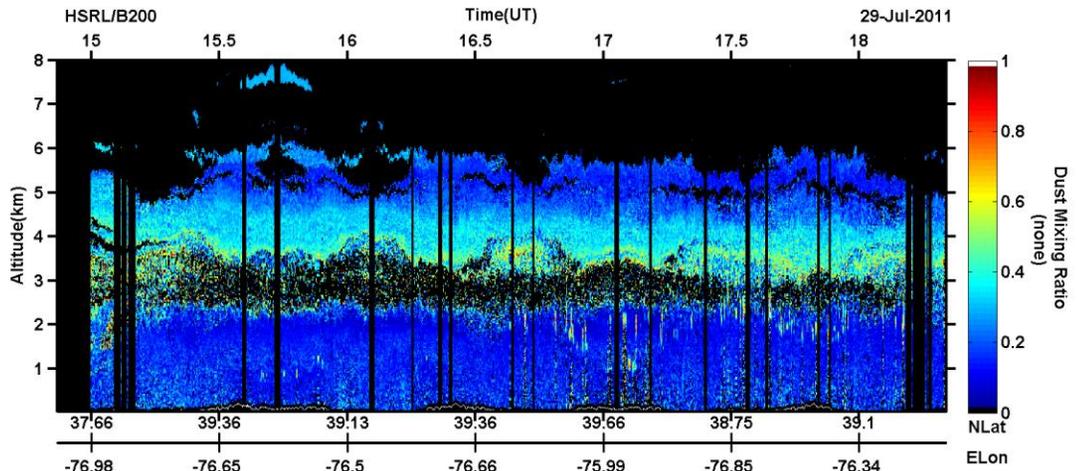




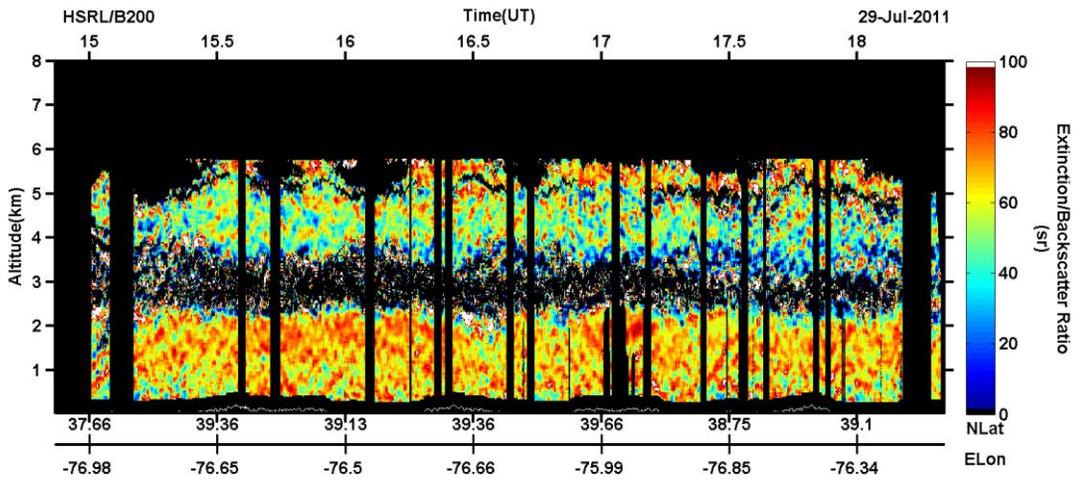
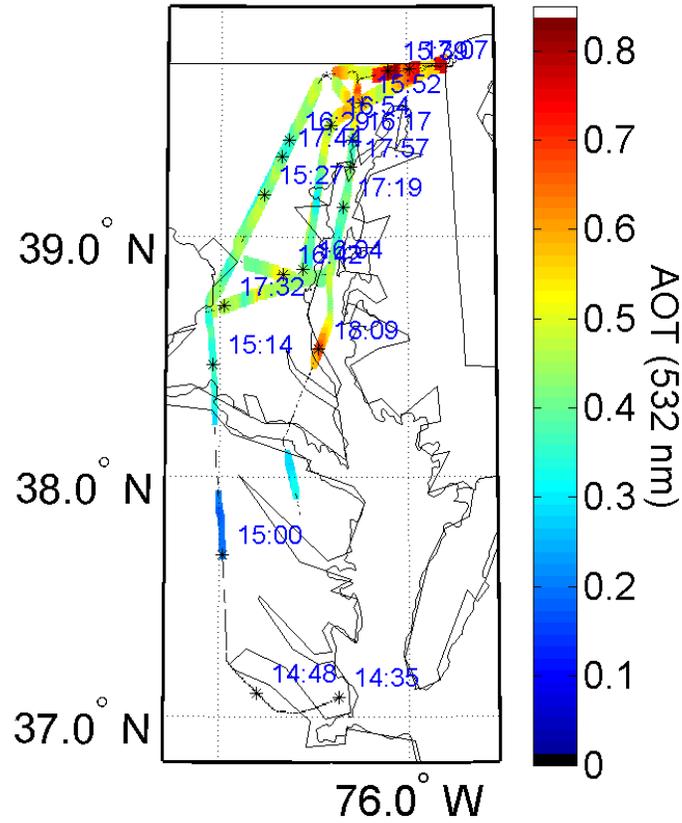


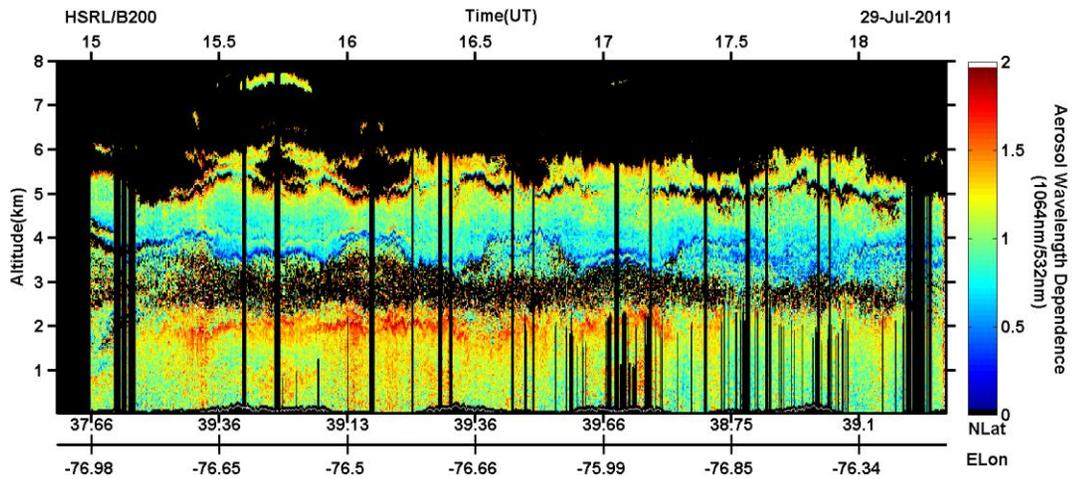






NASA Langley HSRL/B200 29-Jul-2011





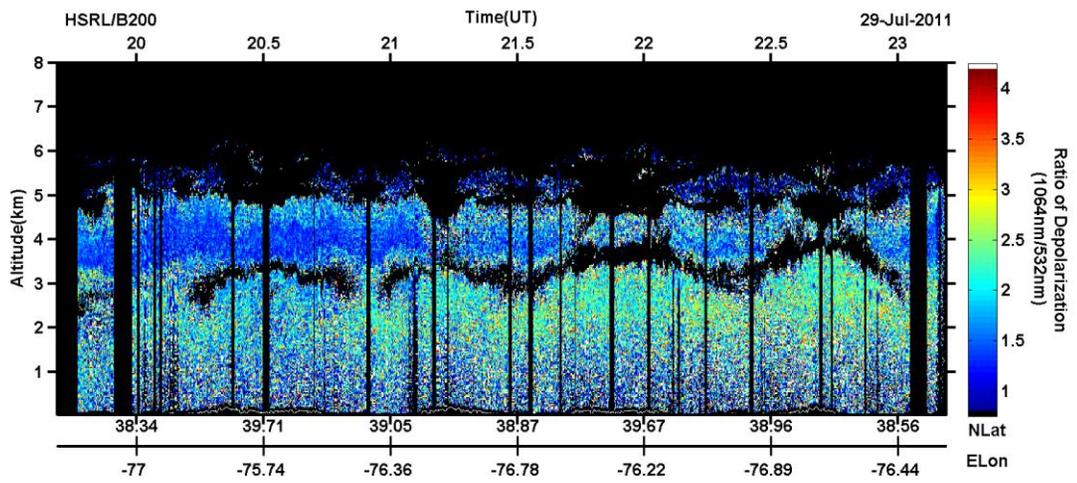
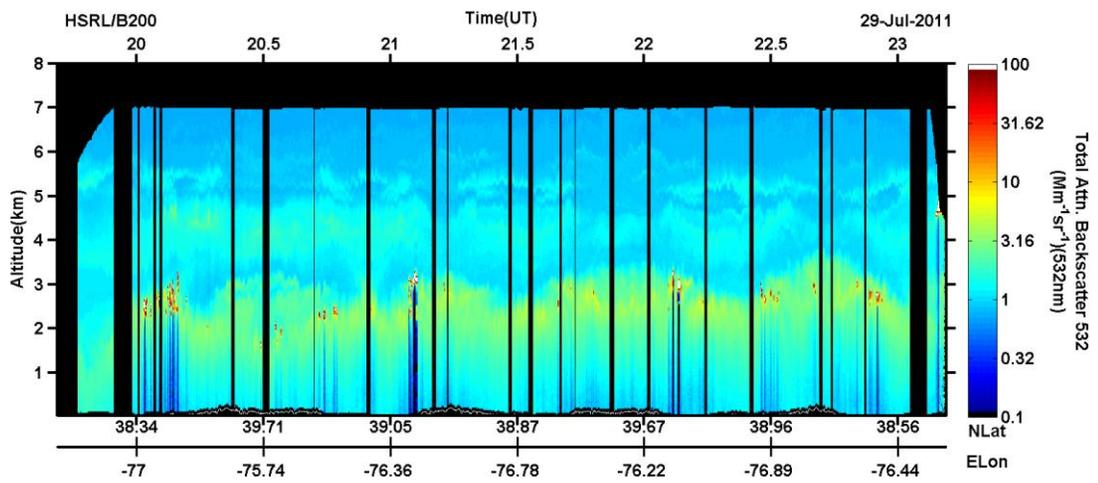
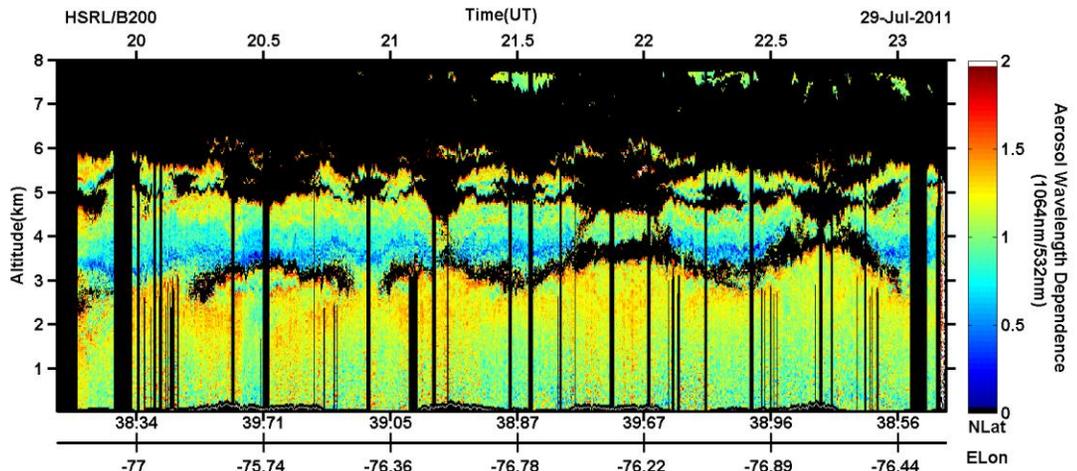
FLIGHT: Afternoon science flight (2 of 2)

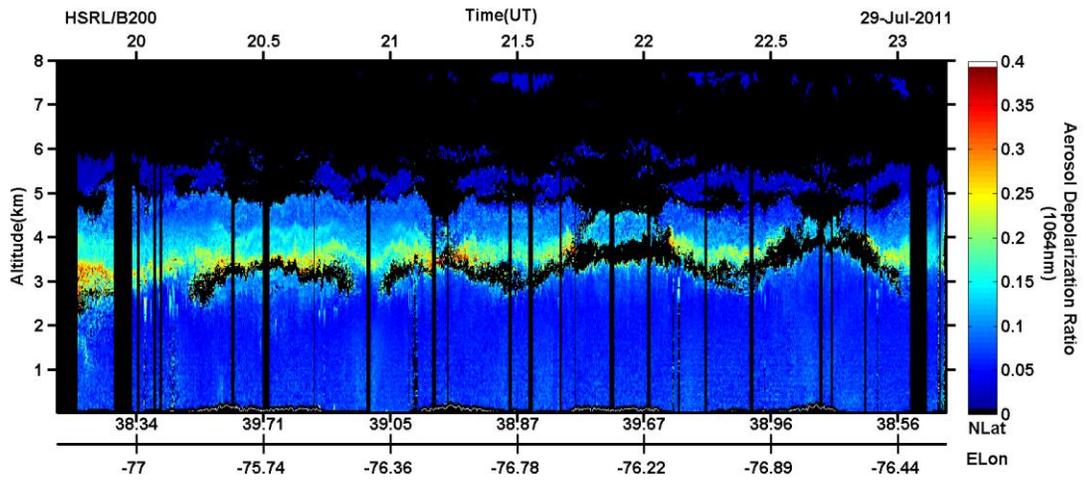
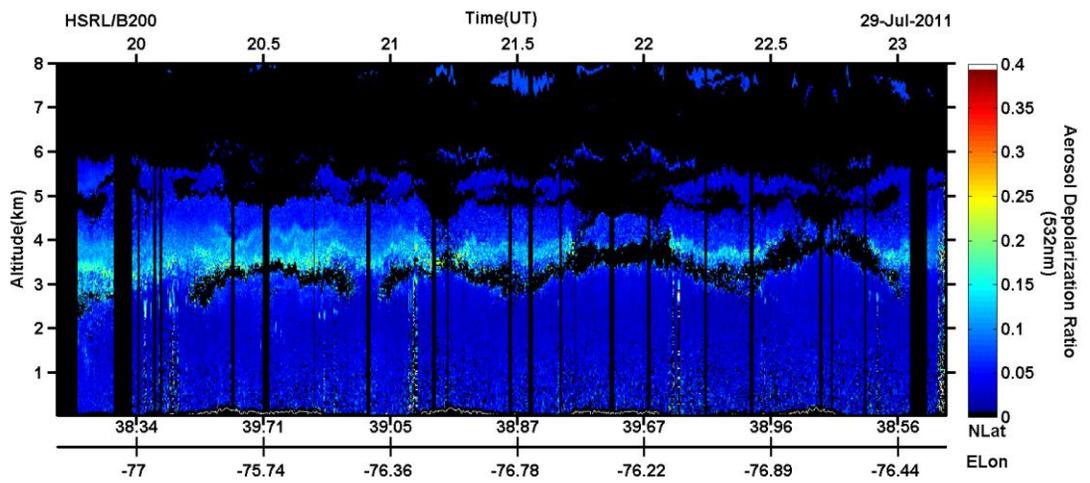
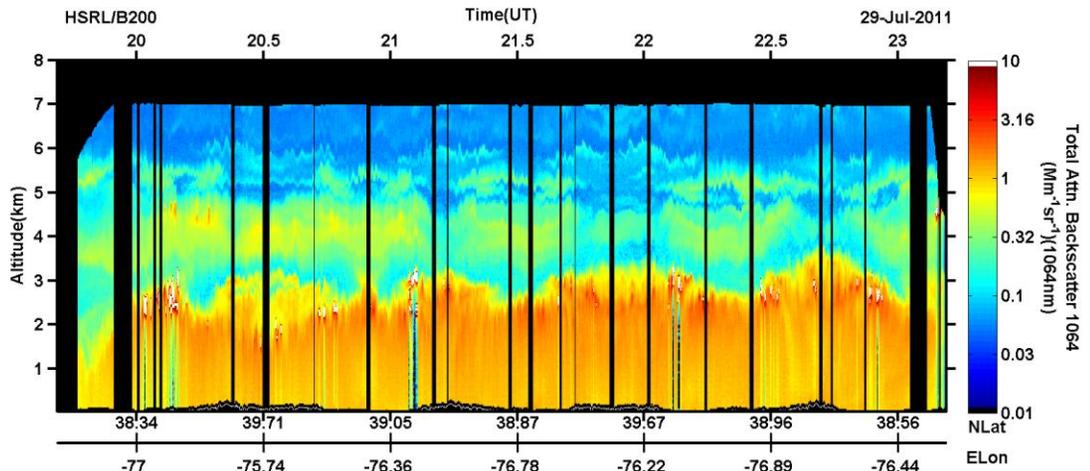
DATE: July 29, 2011

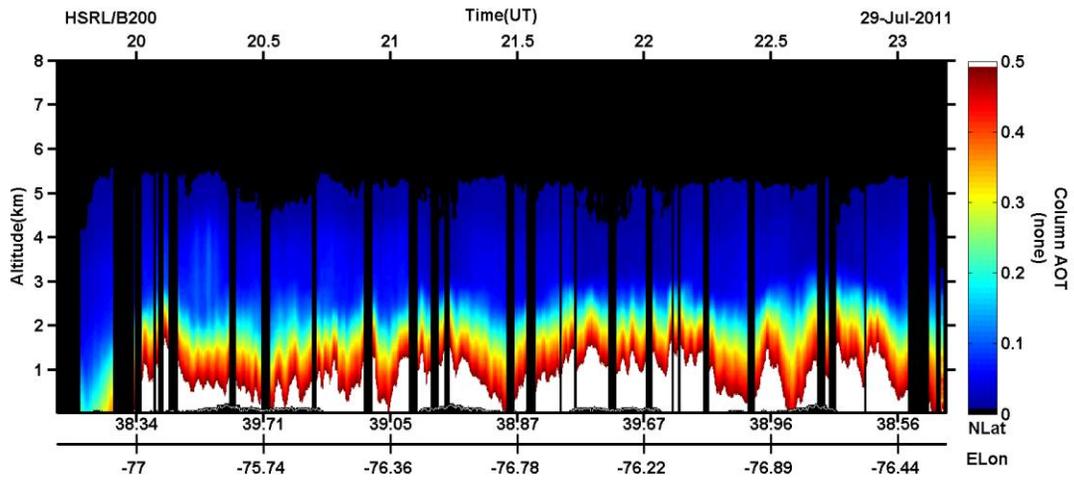
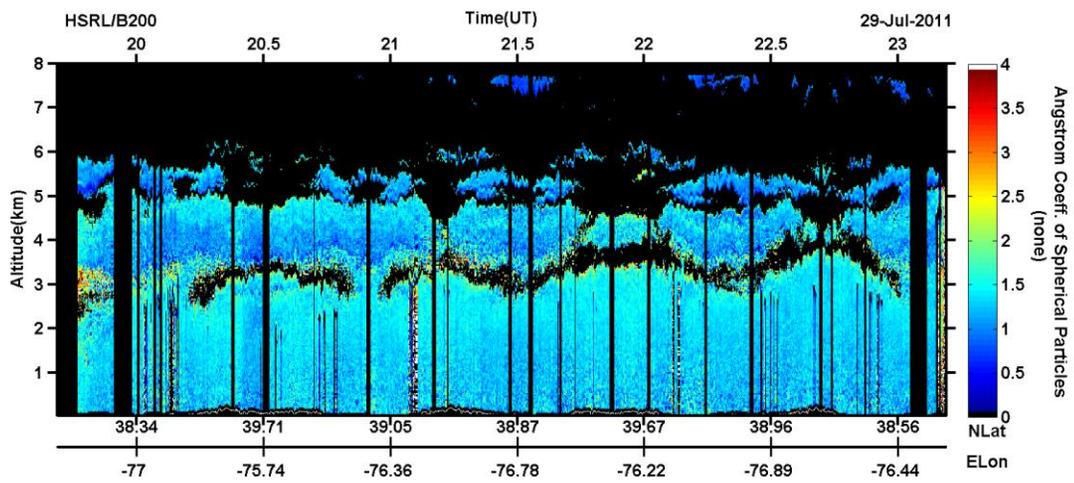
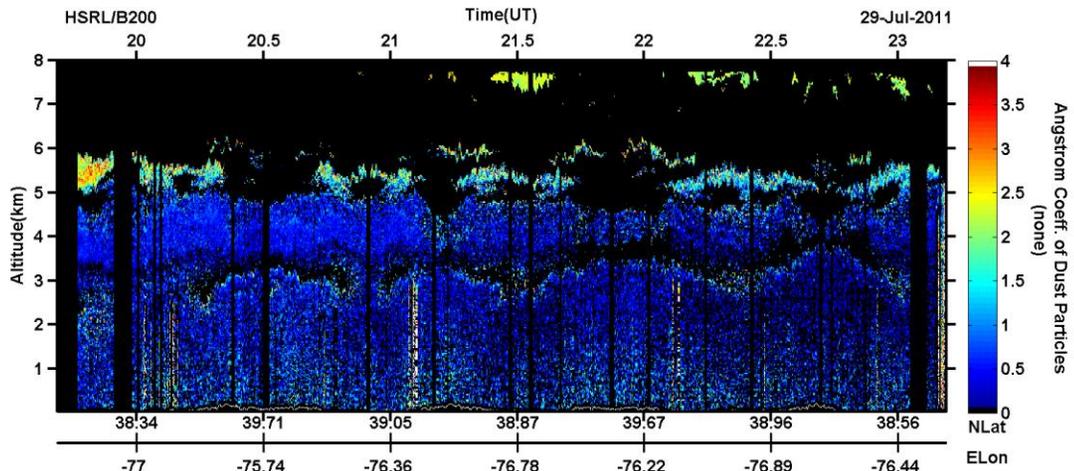
DURATION: 4.0 hours

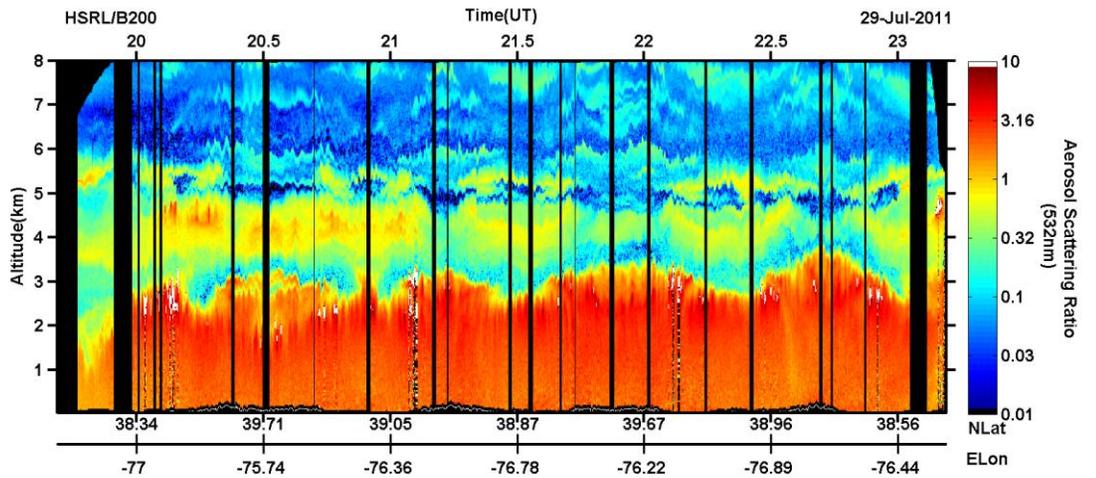
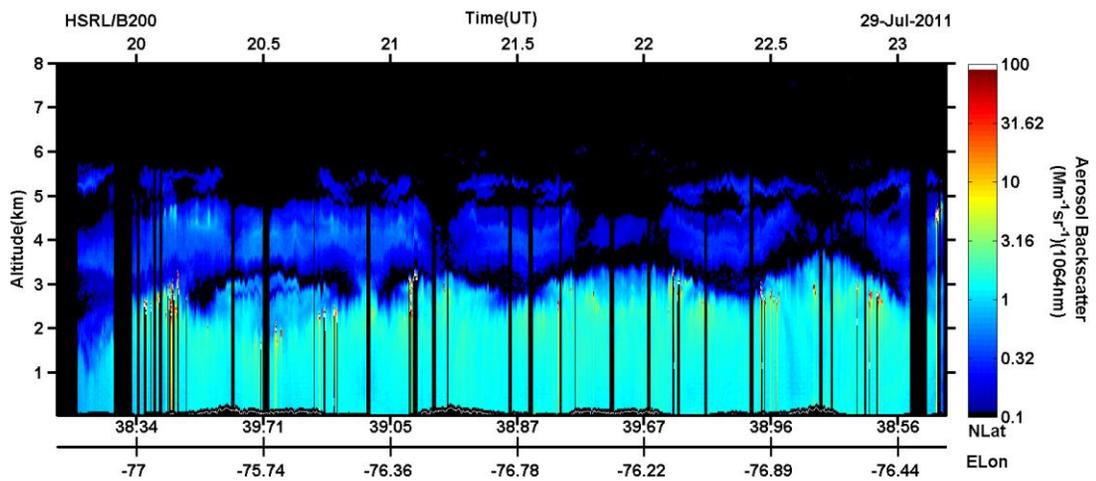
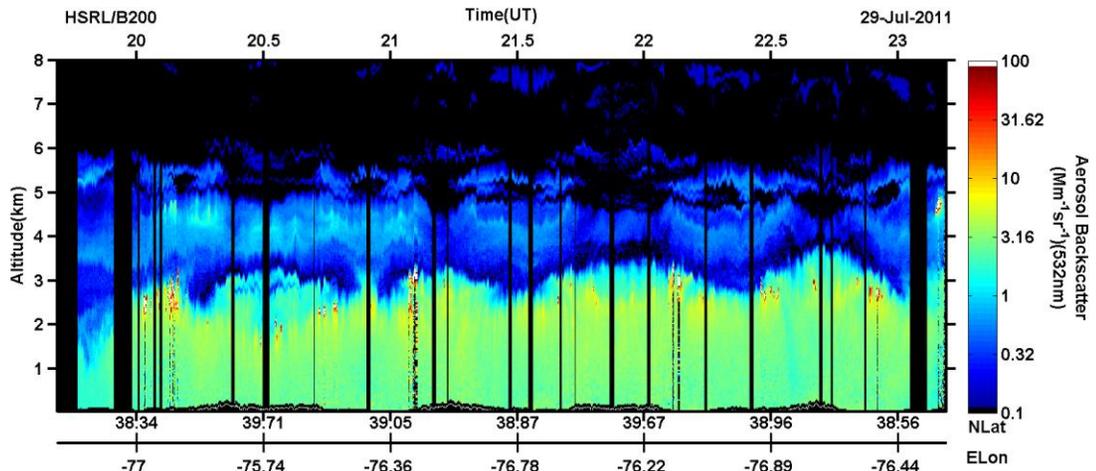
SUMMARY: Takeoff was 3:26 PM local time from Langley Research Center. The afternoon flight showed strong aerosols again in the boundary layer and a lofted aerosol layer. HSRL operation was nominal.

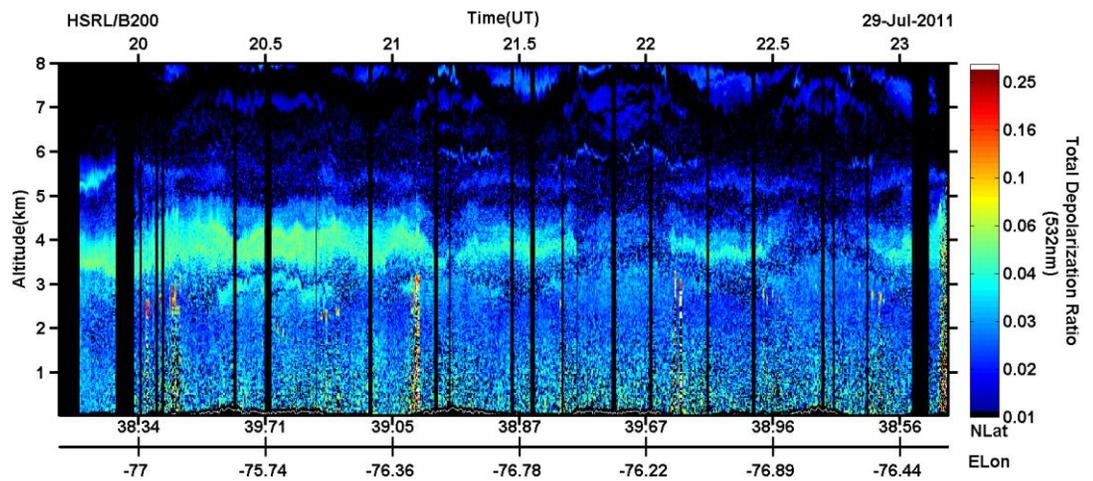
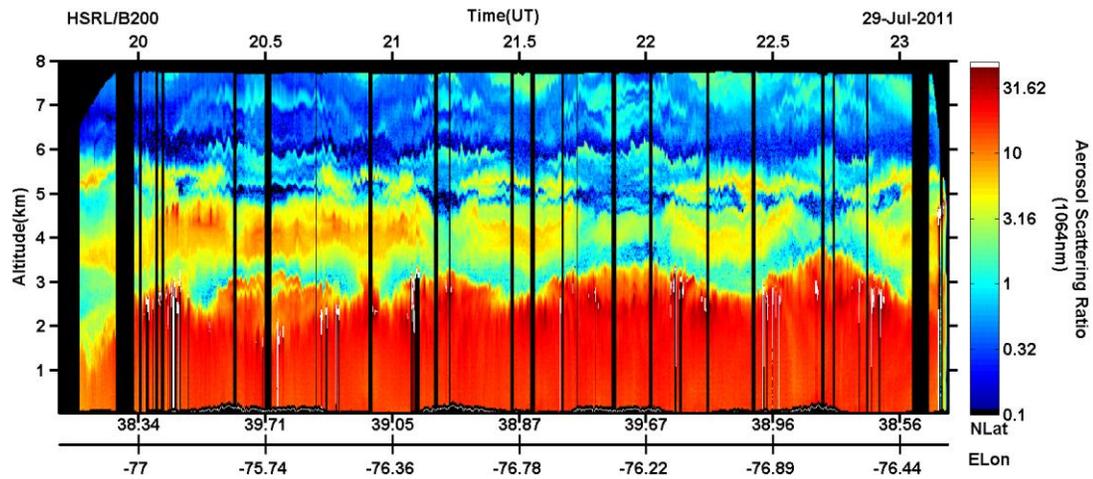
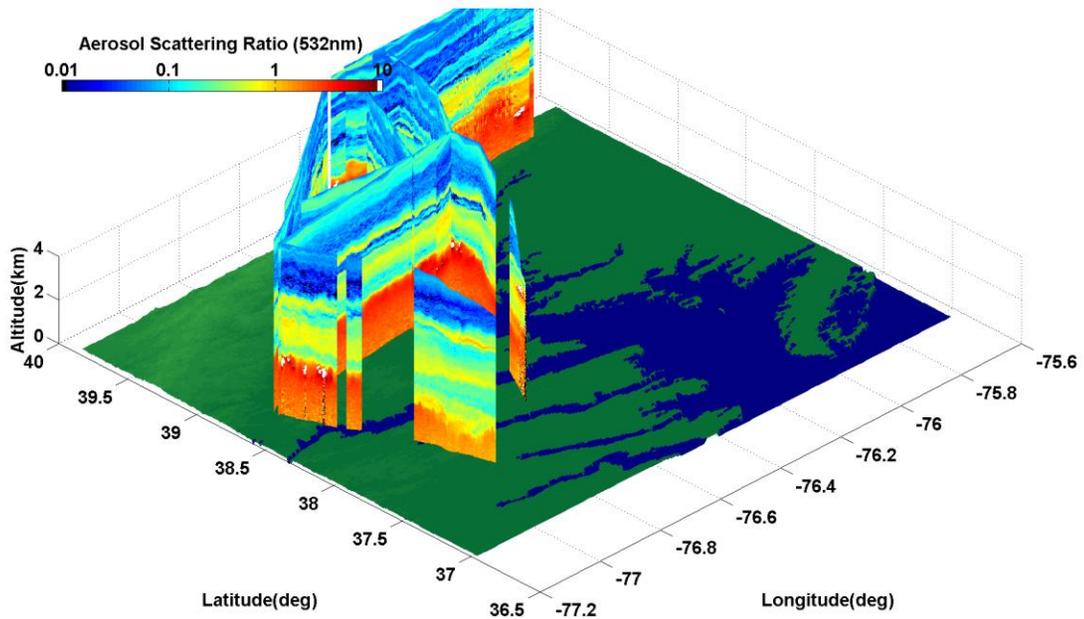
SUMMARY PLOTS:

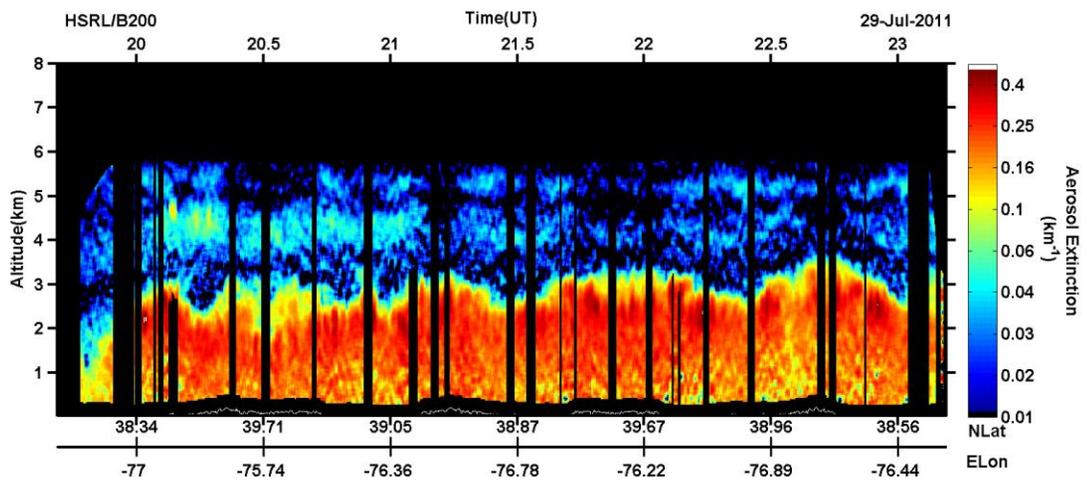
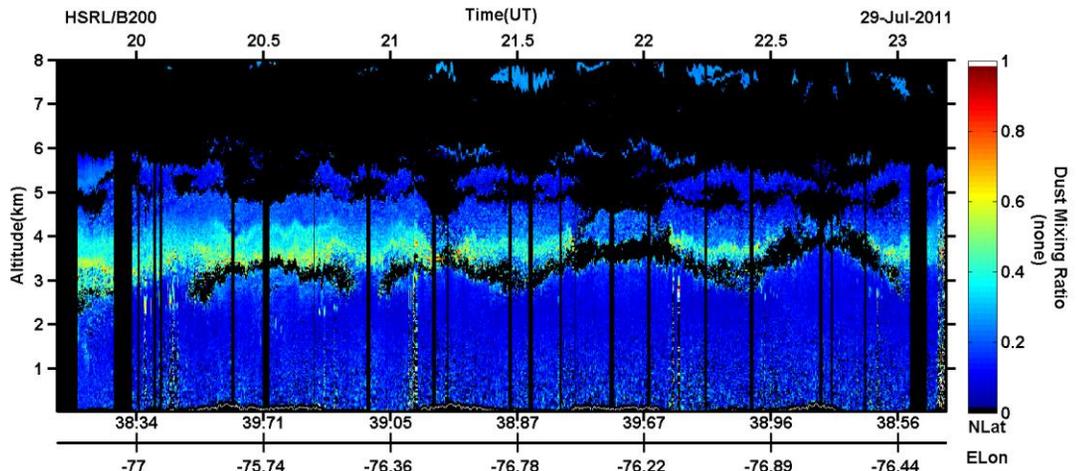












NASA Langley HSRL/B200 29-Jul-2011

