July 3rd, 2018, 17:50 UTC

The following graphs represent the launch from Howard University: Beltsville (HUBV: 39.056, -76.876) on July 3rd, 2018 at approximately 17:50 UTC. This launch was not coordinated with any other site, but was preceded by an 06Z ozonesonde earlier that morning. This sounding shows high ozone near the surface, tapering off severely as multiple layers from 1.5 to 2.5 km siphon in clean air from the free troposphere.

Wind speeds were mild through the first 6 km, perhaps intensifying the buildup of ozone near the surface. A well-defined boundary layer emerges through the first 1.3 km before breaking down into two smaller layers from 1.5 – 2.5 km. The middle troposphere was fairly quiet throughout, with ozone values approximately 60 ppbv.

PLEASE NOTE: This data is preliminary and should not be used for official business.

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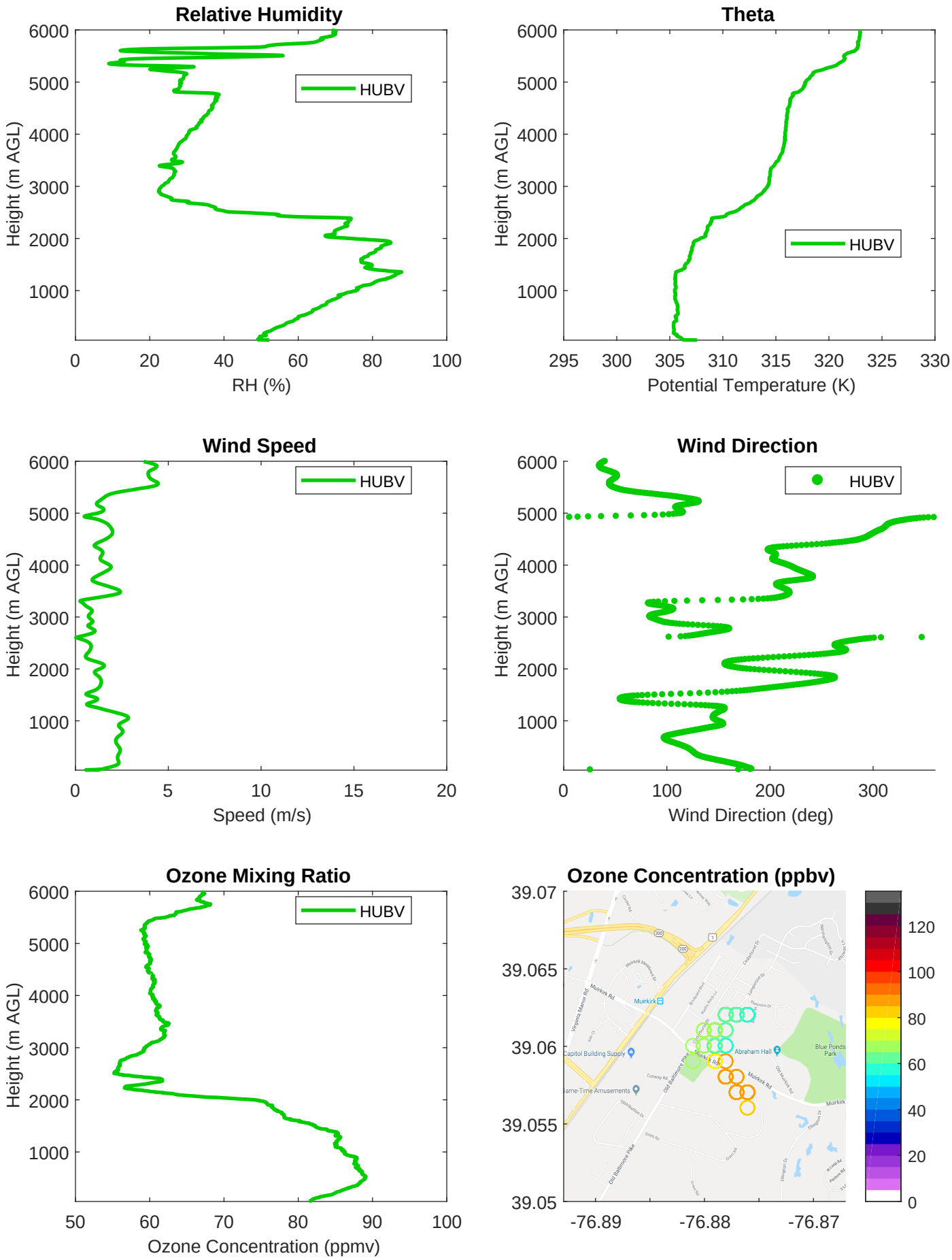
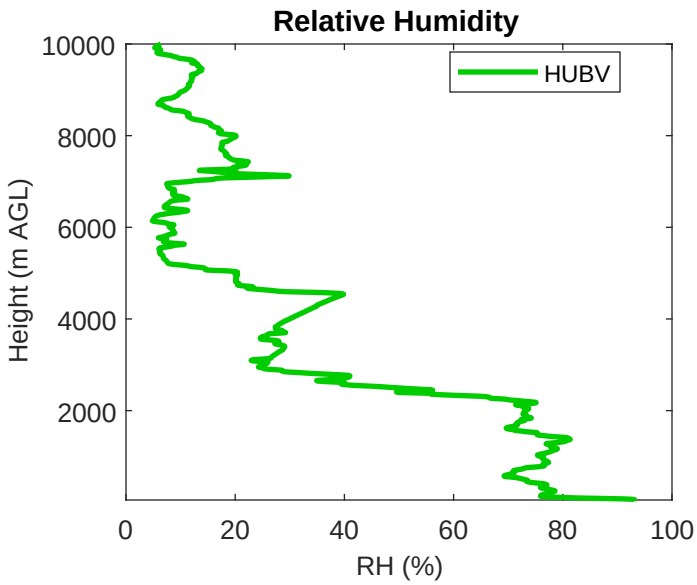
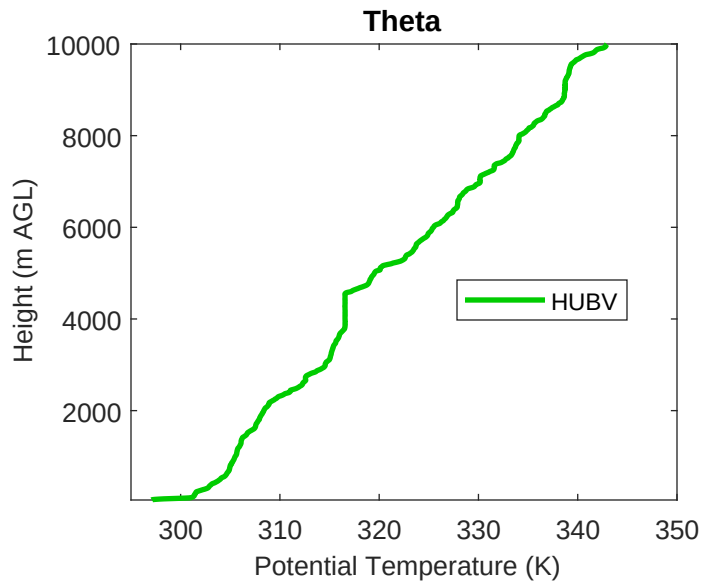
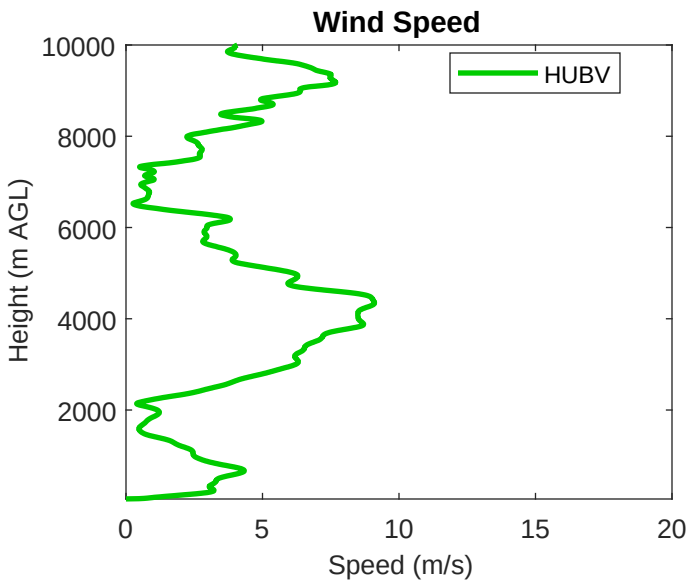
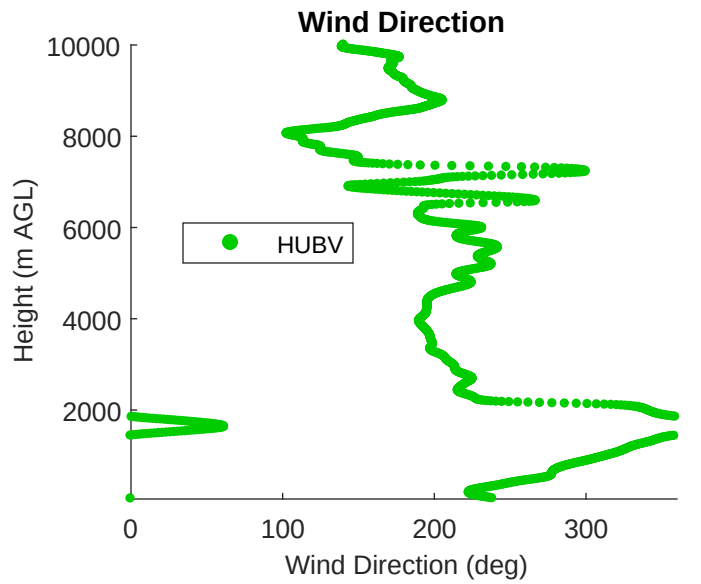
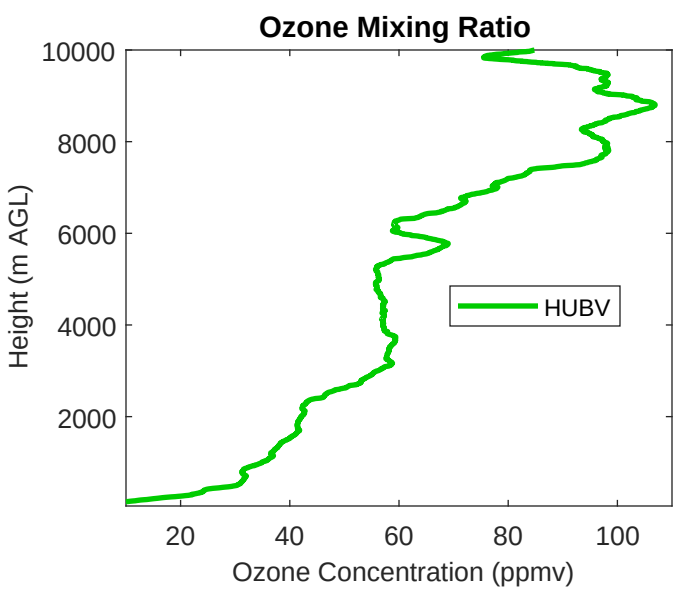
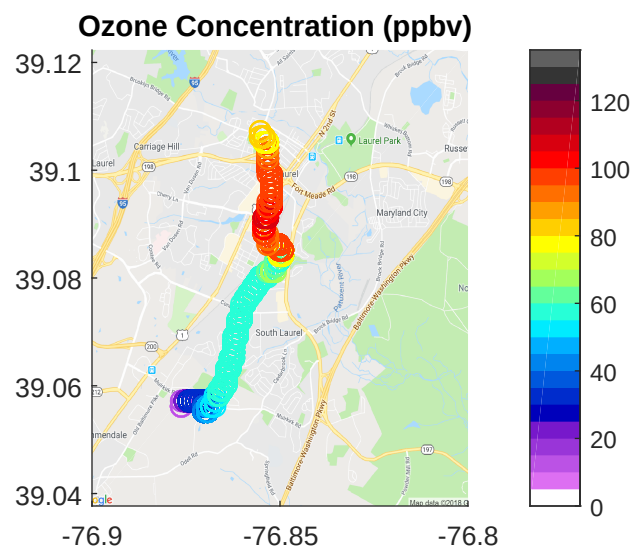
HMI Sonde POC: Lance Niño (lwn4@cornell.edu)

HUBV Sonde POC: Ricardo Sakai (ricardo.k.sakai@howard.edu)

Ozonesonde launched July 3rd, 2018 at 17:47 UTC (HUBV) [0-6 km]



Ozonesonde launched July 3rd, 2018 at 06:15 UTC (HUBV) [0-10 km]