

## MDE DATA - June 29, 2018 (Friday)

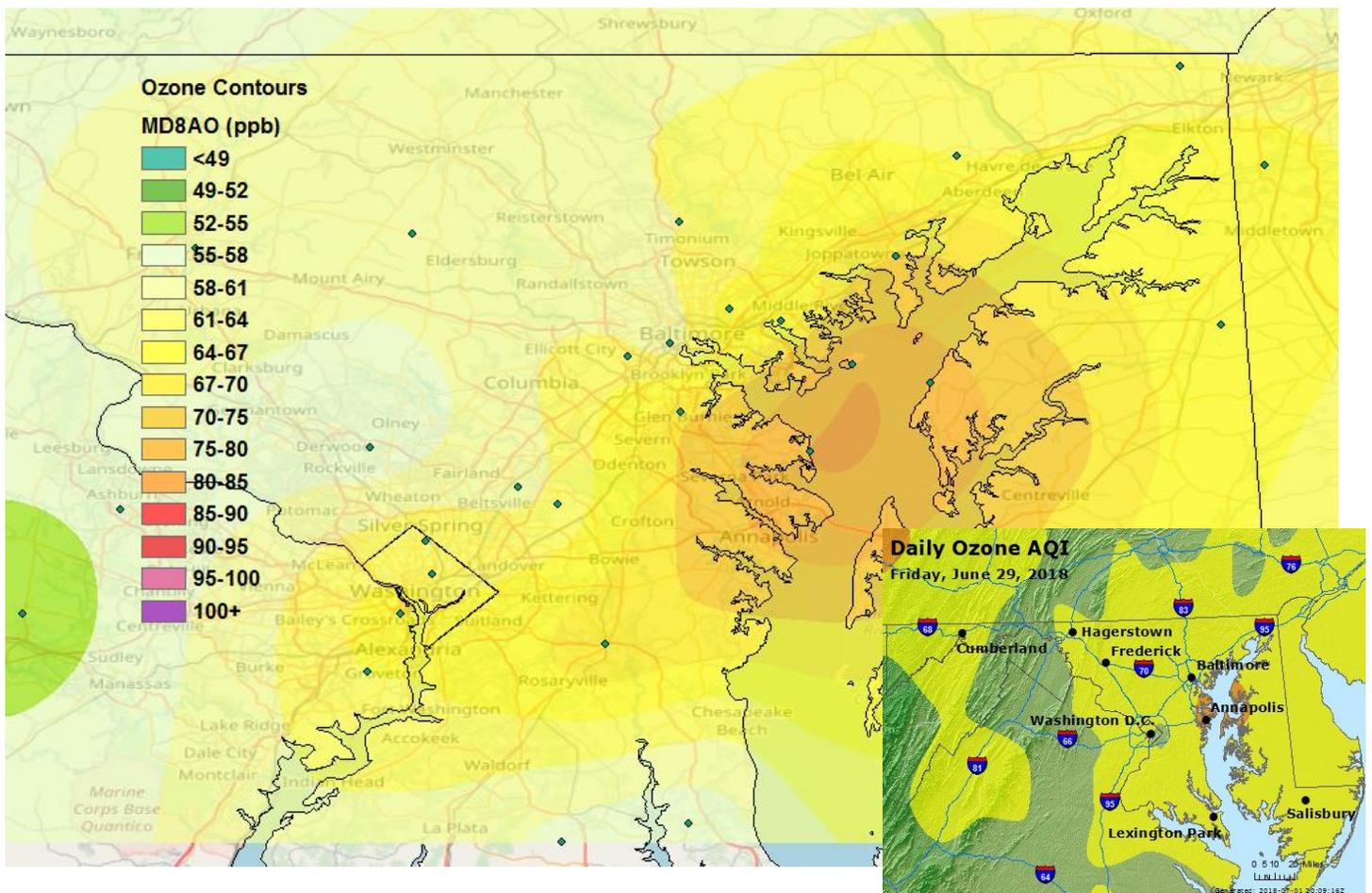
The following are surface data from the MDE network. The airnow AQI image gives a quick snap-shot of ozone during that day. The 8-hr average interpolation also includes HMI, Tolchester Beach, and Downs Park, and also MDE Headquarters data when available. The Baltimore Haze Cam looks north-northeast towards Baltimore/Key Bridge/HMI from approximately the Fort Smallwood EGU facility.

Additional surface data is available, including SO<sub>2</sub>, CO, VOCs and PM<sub>2.5</sub> at various sites. Meteorology is also available at the majority of MDE sites. The MDE ozone network is the densest of all available network parameters.

### MDE 8-hour ozone interpolation/Airnow

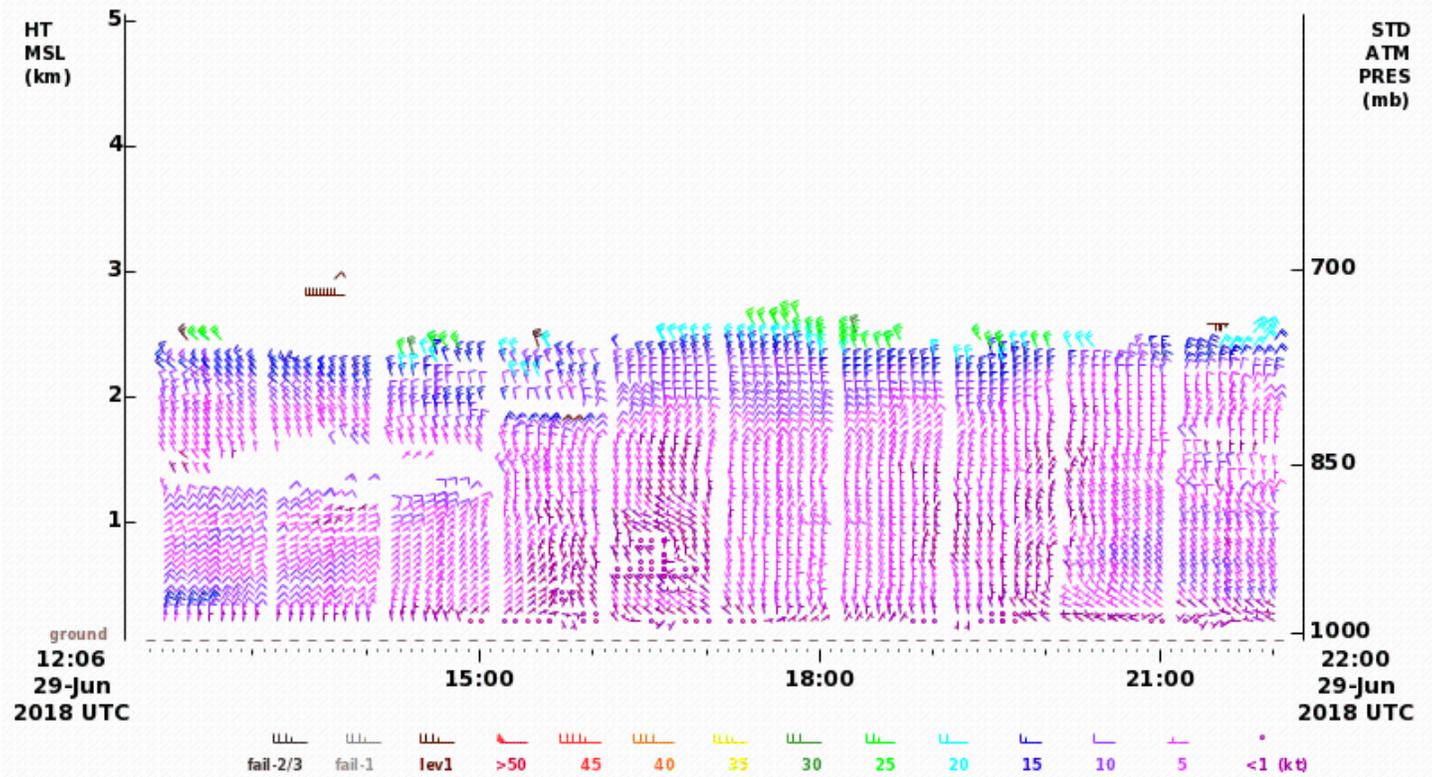
The MDE 8-hour contour map includes 8-hour averages at UMBC, Downs Park, MDE headquarters in Baltimore (when sampling), Tolchester Beach, and Hart-Miller Island. Differences will likely appear between the MDE contours and Airnow. Note: The site "River-Terrace – 110010041" in DC is excluded from these analyses due to suspiciously low ozone values. Dots show sites used to create the interpolation contours.

POM at MDE (POM 1192) is offset here by **+4ppb**, based on an end-of-season check against the UMBC ozone analyzer.





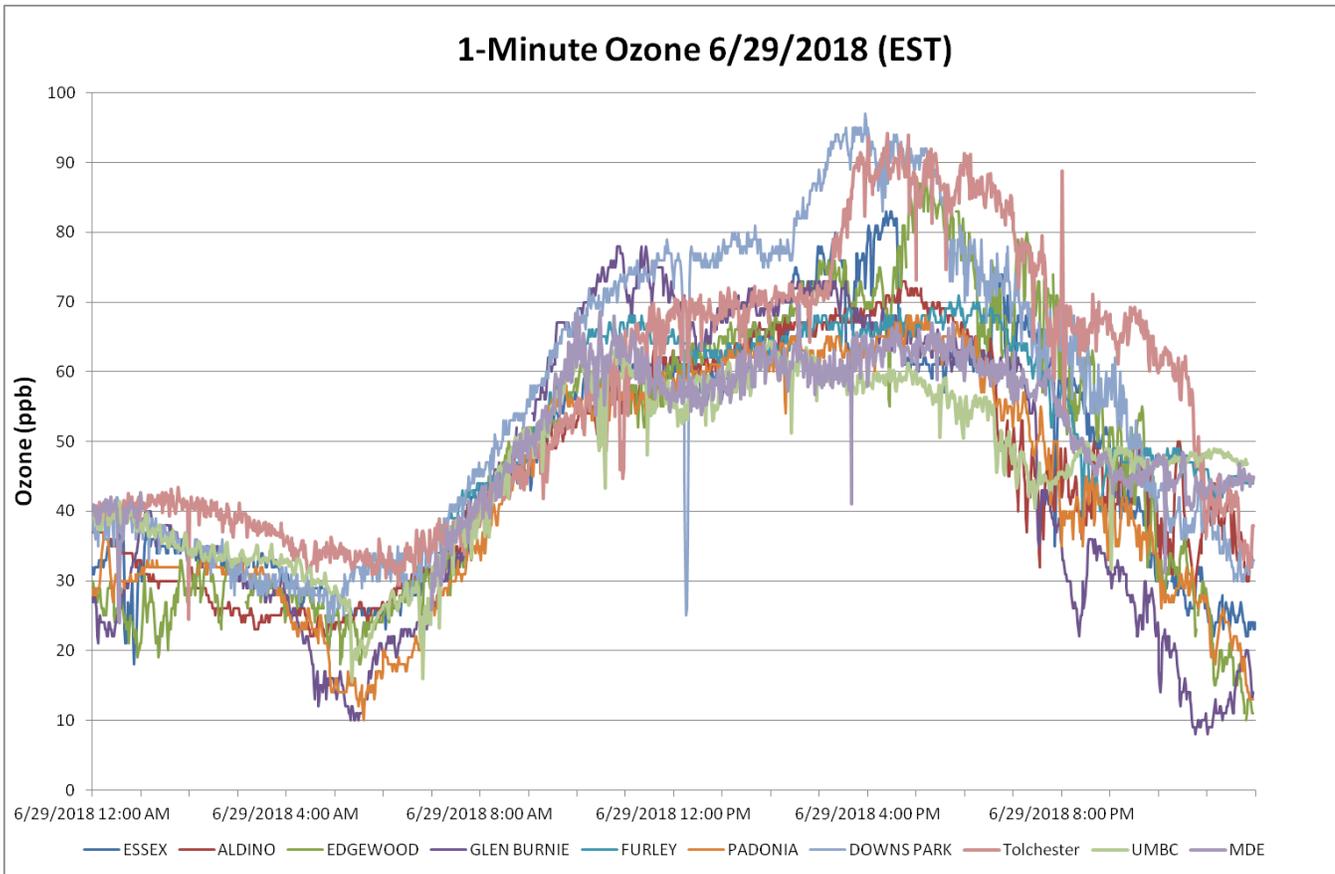
**BLTMD Lat:39.06 Lon:-76.88 Elev:53m**  
WindSpeedDirection| Mode:194m | Res:6min | QC:LEVEL 1 OR BETTER  
MARYLAND DEPARTMENT OF THE ENVIRONMENT



The MDE HU-Beltsville radar wind profiler recorded light northeasterly winds during the morning, changing to northwesterly winds around 2000UTC (4pm EDT) during the afternoon in the lowest few hundred meters.

## Minute Ozone

Minute averaged concentrations at MDE network sites including Essex, Aldino, Edgewood, Glen Burnie, Furley, Padonia, and Downs Park. Minute averaged concentrations at non-network sites including Tolchester Beach, UMBC, and MDE Headquarters are included (when available).



## HazeCam (18z/2pm)

