

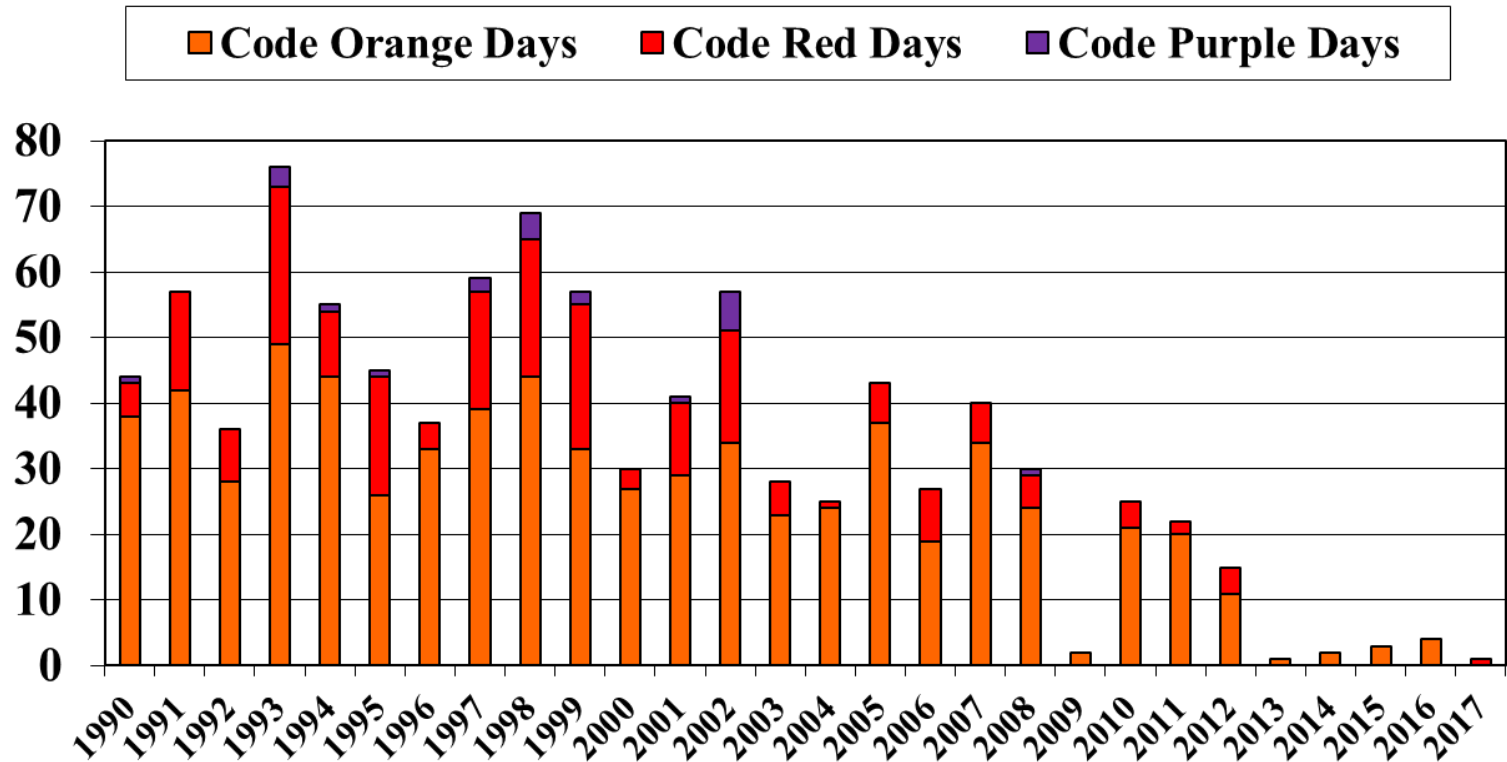
# National Air Quality Focus Group Workshop

**Dan Salkovitz**

**Virginia Department of Environmental Quality**

**[Daniel.Salkovitz@deq.Virginia.gov](mailto:Daniel.Salkovitz@deq.Virginia.gov)**

# Number of 8-hour Ozone Exceedance Days in Richmond, 1990-2017

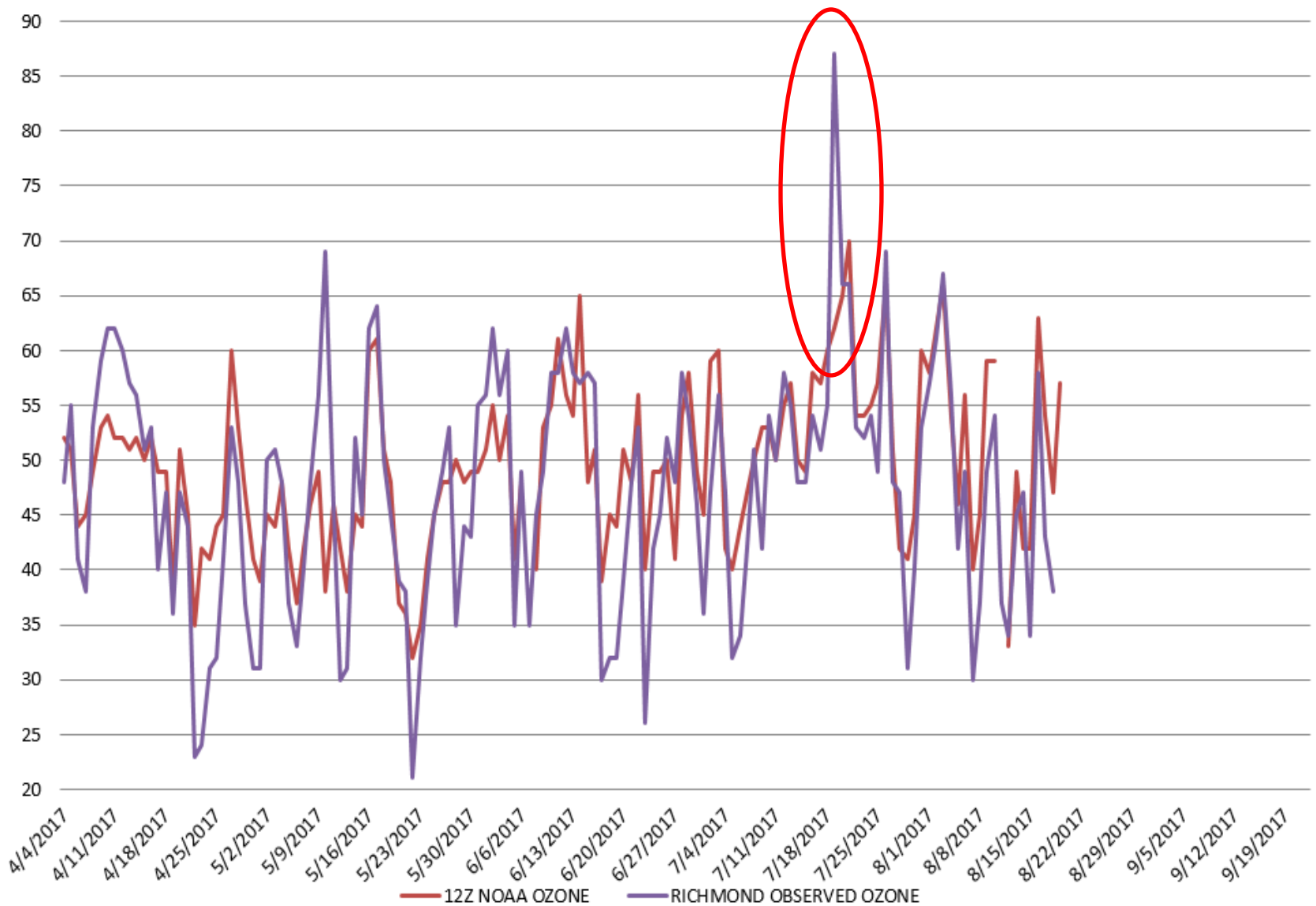


Code Orange: “Unhealthy for Sensitive Groups”, 8 hr. avg. 71-85 ppb

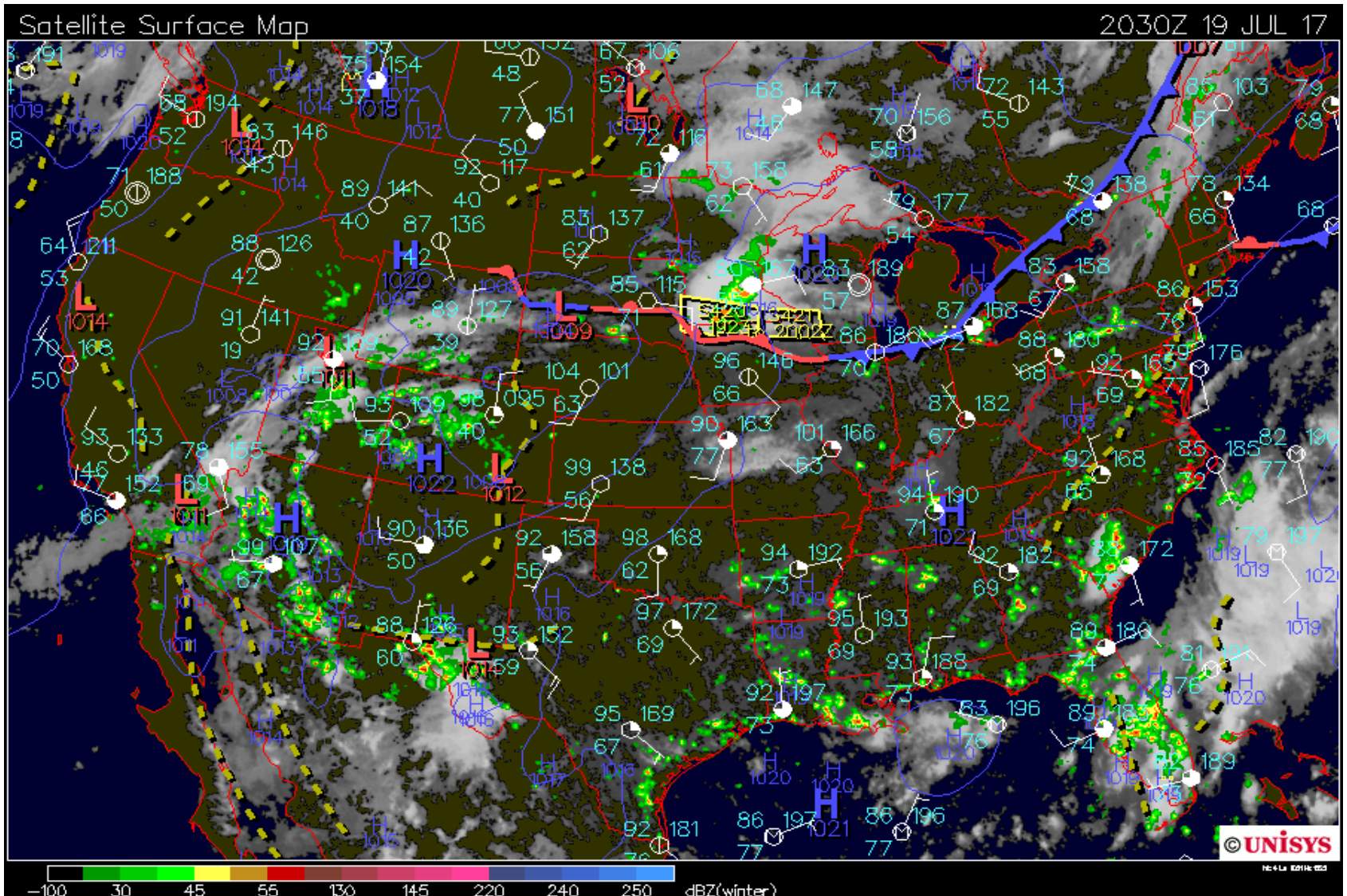
Code Red: “Unhealthy”, 8-hr. avg. 86-105 ppb

Code Purple: “Very Unhealthy”, 8-hr. avg. 106-200 ppb

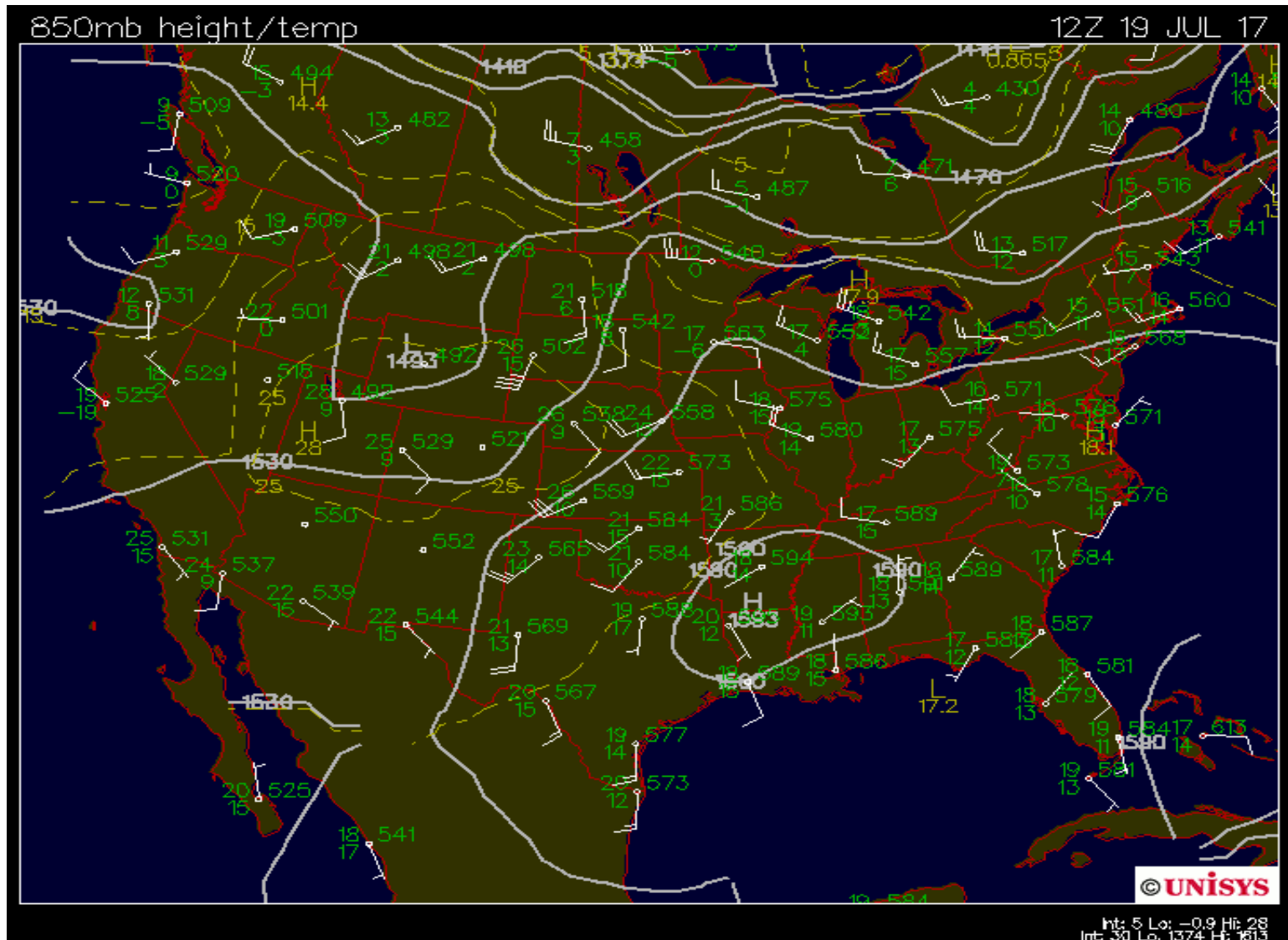
# 12z NOAA Ozone Model and Observed Ozone, Richmond, Virginia



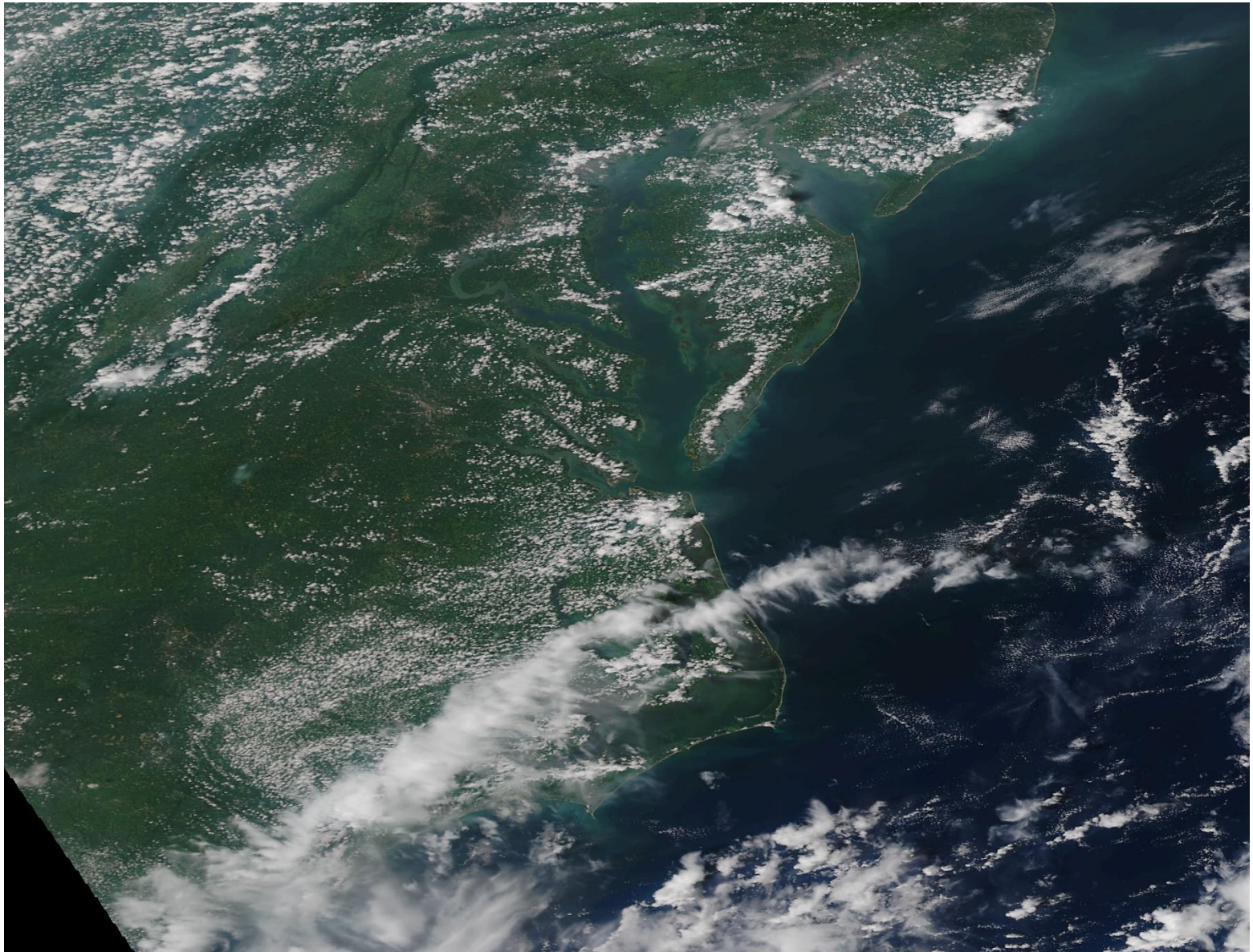
# July 19, 2017 2030z Satellite/Surface Map



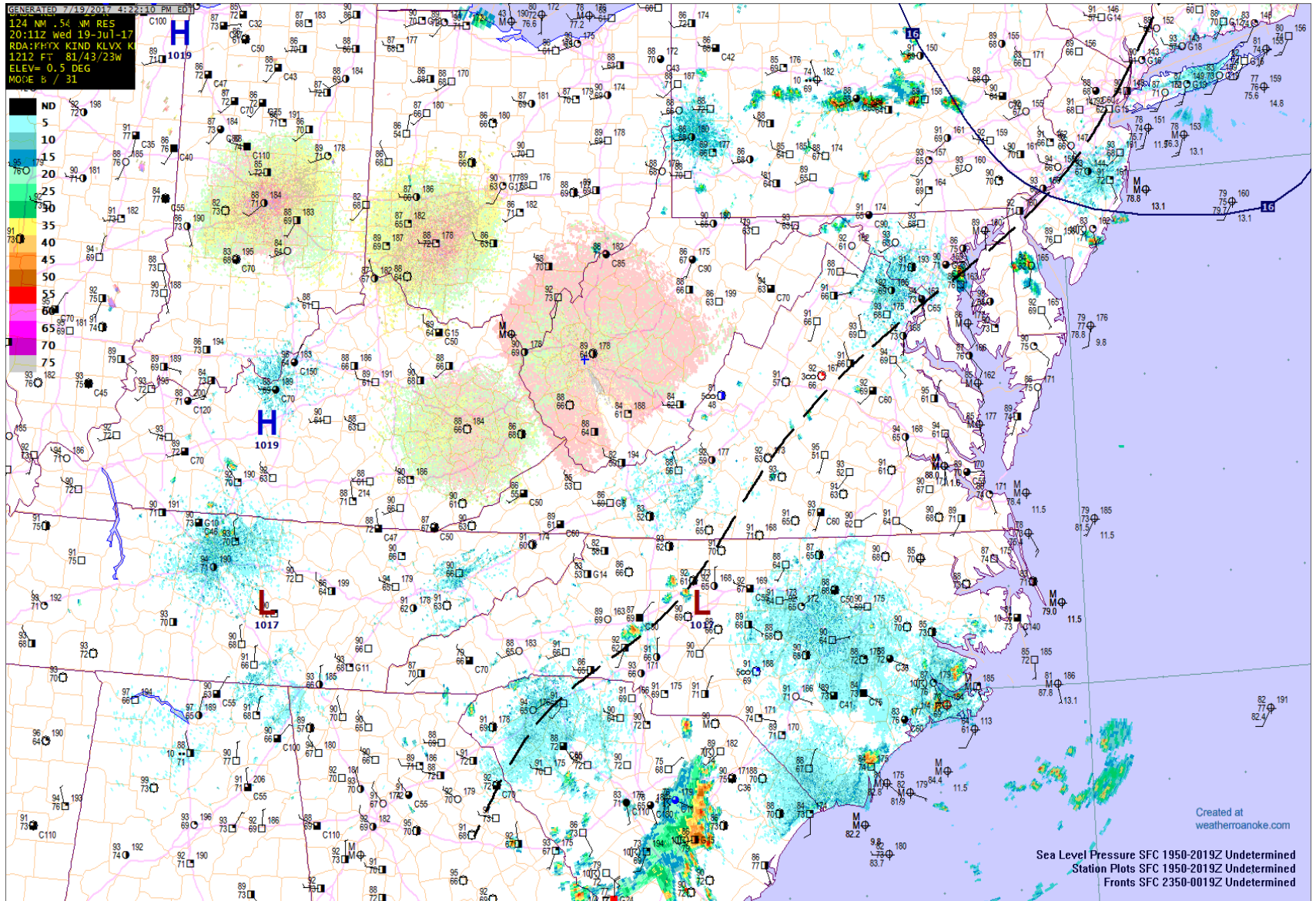
# 850 mb chart, 12z, July 19, 2017



# VIIRS True Color Image, July 19, 2017

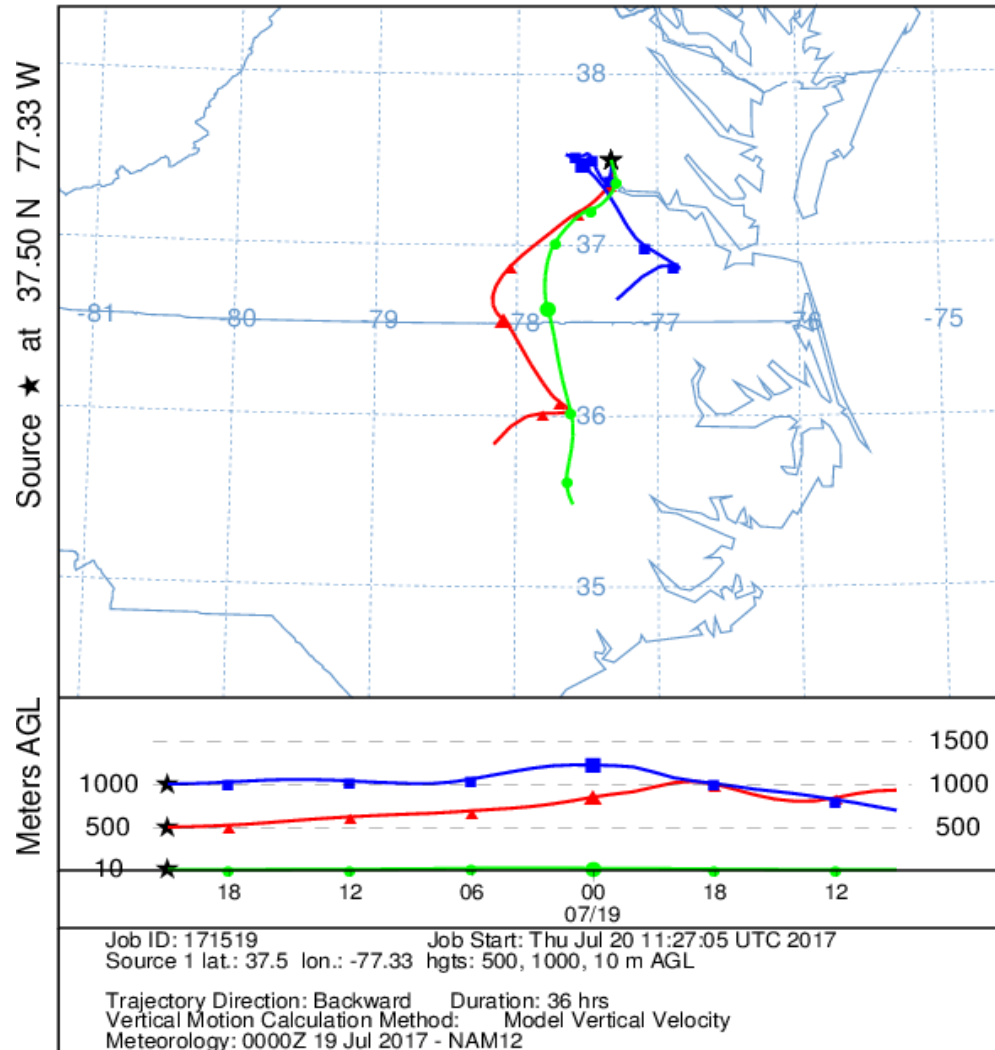


# Mid-Atlantic Region 21z Surface Map



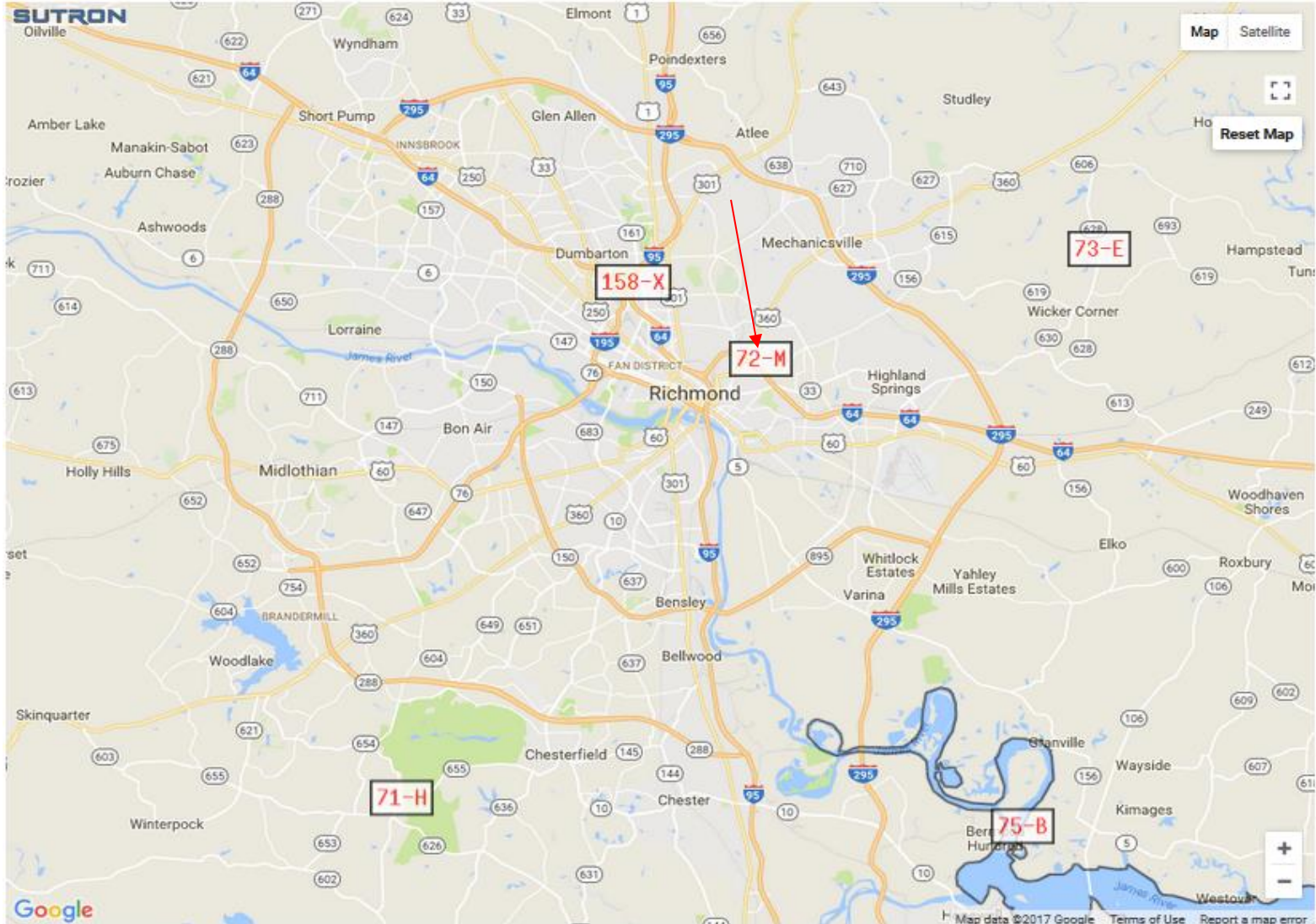
# 21z HYSPLIT Back Trajectories for RIC

NOAA HYSPLIT MODEL  
Backward trajectories ending at 2100 UTC 19 Jul 17  
NAM Meteorological Data

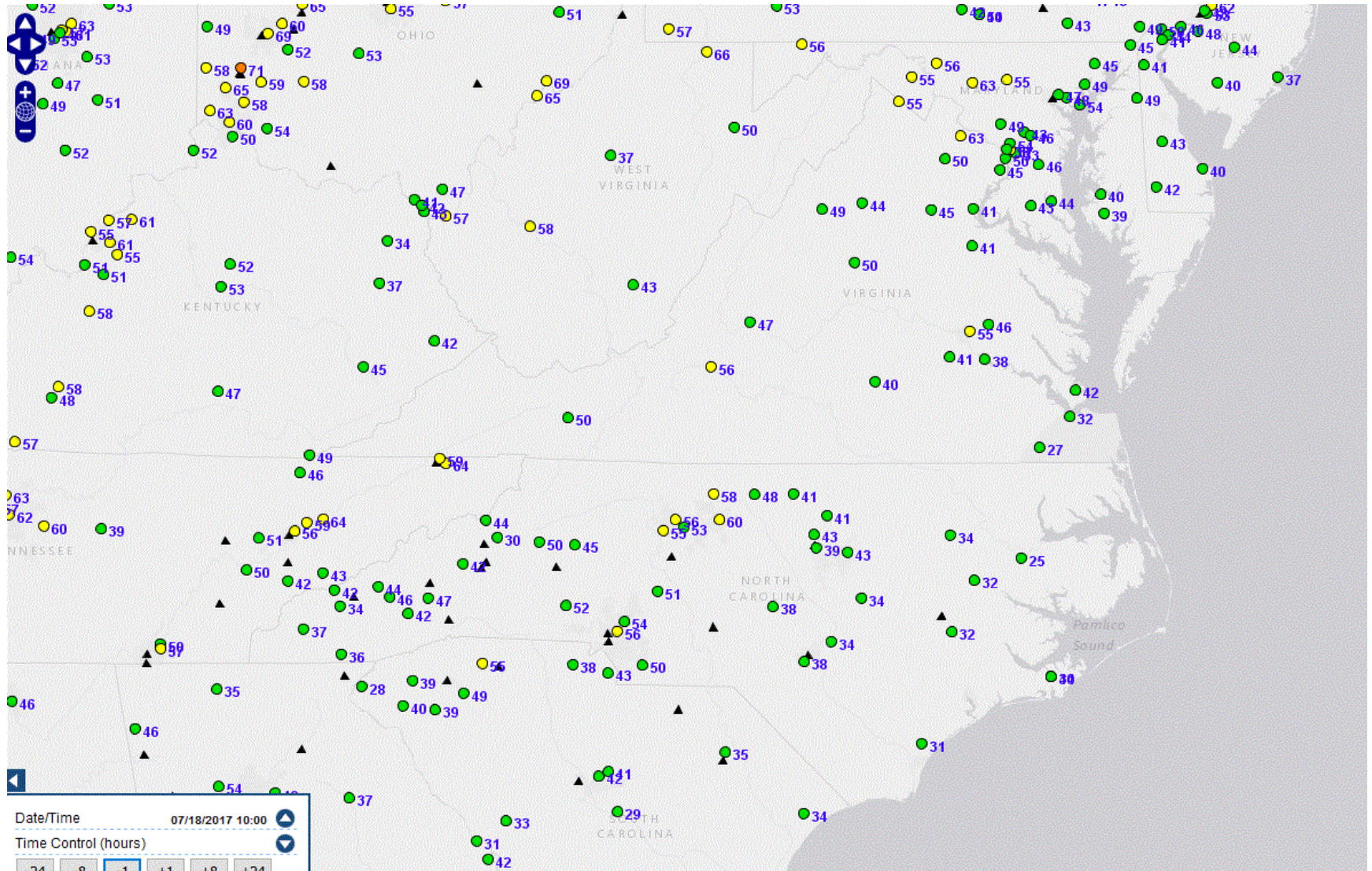




# Richmond area monitor locations

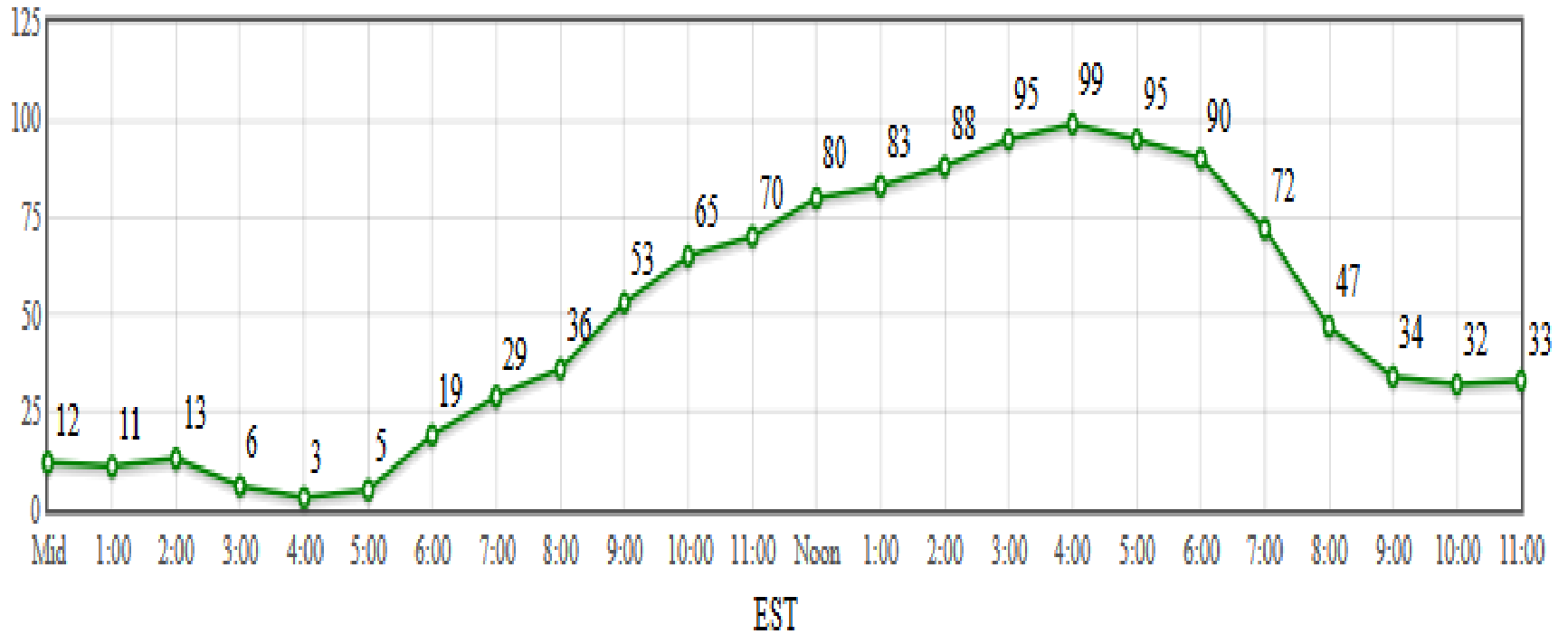


# Previous Day/July 18th 8-hour Ozone

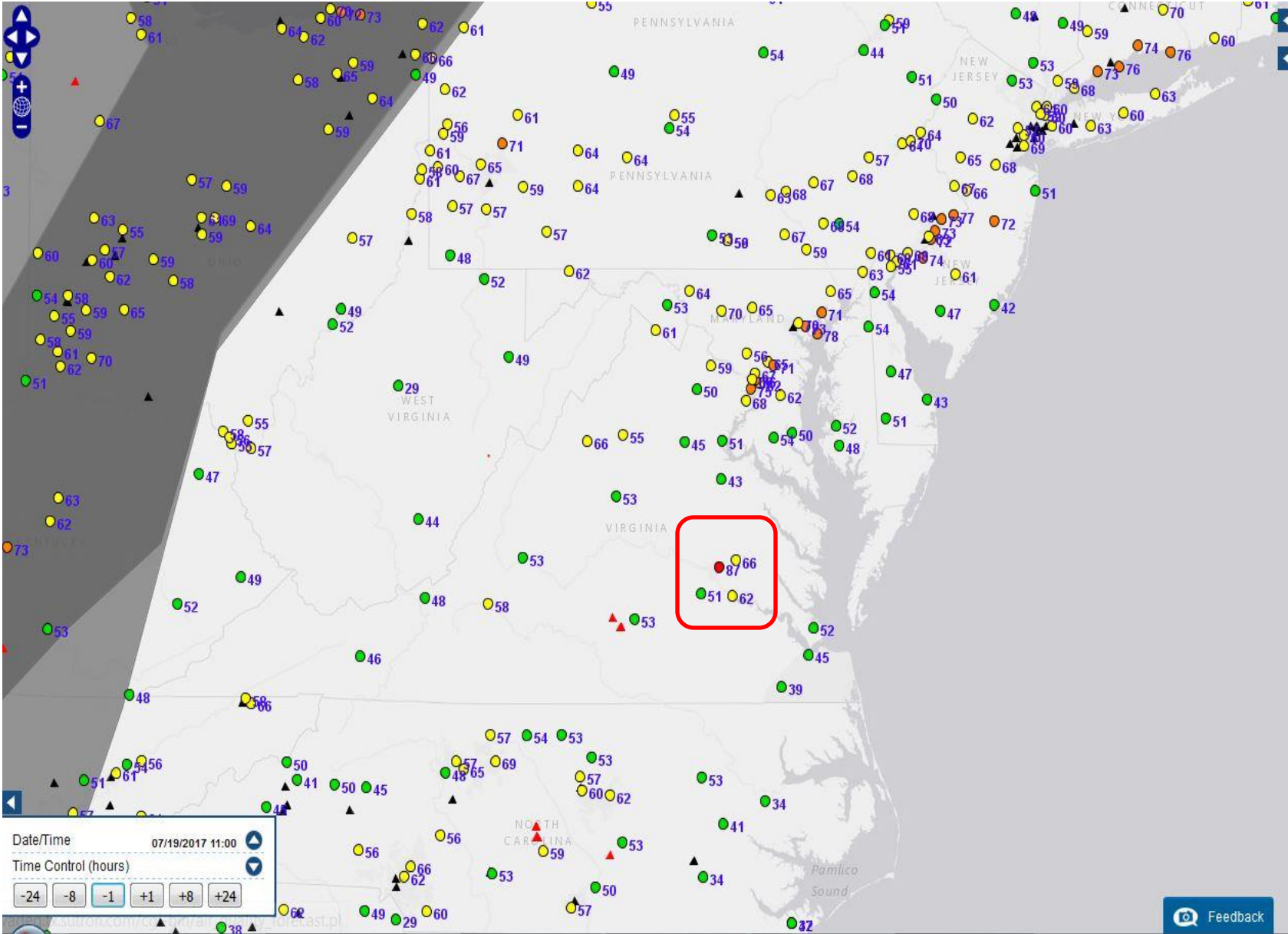


# Henrico Co. July 19, 2017 Hourly Ozone

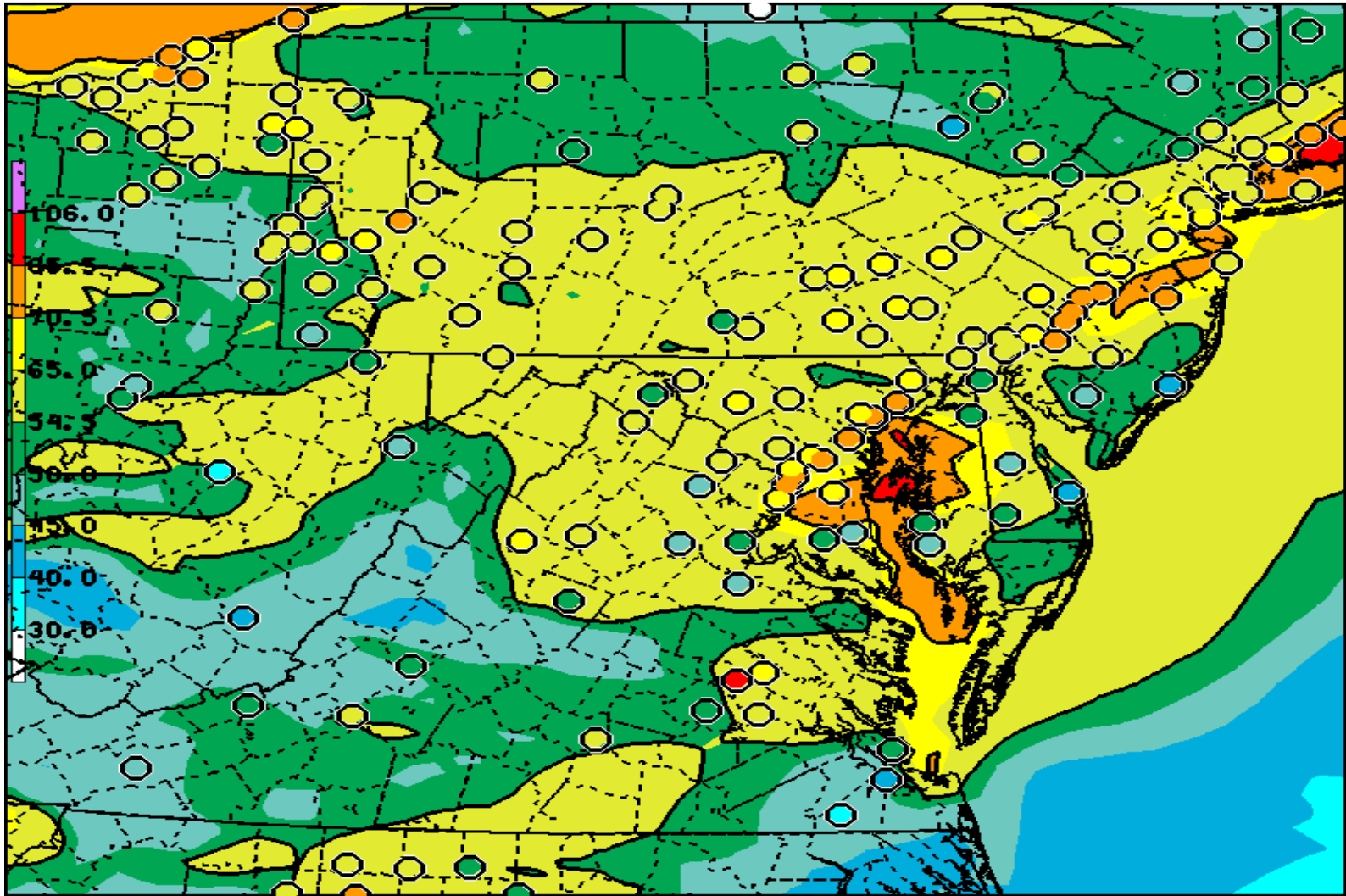
MSIC (MathScience Innovation Center) - Ozone POC(1)



# Peak 8-hour Ozone Averages, July 19<sup>th</sup>



# 12z July 18<sup>th</sup> NOAA Model Valid July 19<sup>th</sup> With Model Verification



PROD PROD DAY2 OZMX06 20170718 12Z CYC