National Air Quality Focus Group Workshop

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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
July 19, 2017 2030z Satellite/Surface Map
850 mb chart, 12z, July 19, 2017
VIIRS True Color Image, July 19, 2017
21z HYSPLIT Back Trajectories for RIC

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

Job ID: 171519   Job Start: Thu Jul 20 11:27:05 UTC 2017
Source lat: 37.5 lon: -77.33 hghts: 500, 1000, 10 m AGL
Trajectory Direction: Backward   Duration: 36 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Meteorology: 0000Z 19 Jul 2017 - NAM12
Richmond area monitor locations
Previous Day/July 18th 8-hour Ozone
Henrico Co. July 19, 2017 Hourly Ozone
Peak 8-hour Ozone Averages, July 19th
12z July 18th NOAA Model Valid July 19th With Model Verification