



Ozone Season Summary

Sunil Kumar

TAC Meeting, COG

June 8, 2007



Ozone Season Summary

May 2007

Peak Ozone Concentrations

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Date	# of Monitors Exceeding	Highest Monitor	Highest Concentration (ppb)
5/26/07	1	Prince George's EC	91
5/30/07	5	Frederick Co	89
5/31/06	2	Ashburn	86



Ozone Season Summary

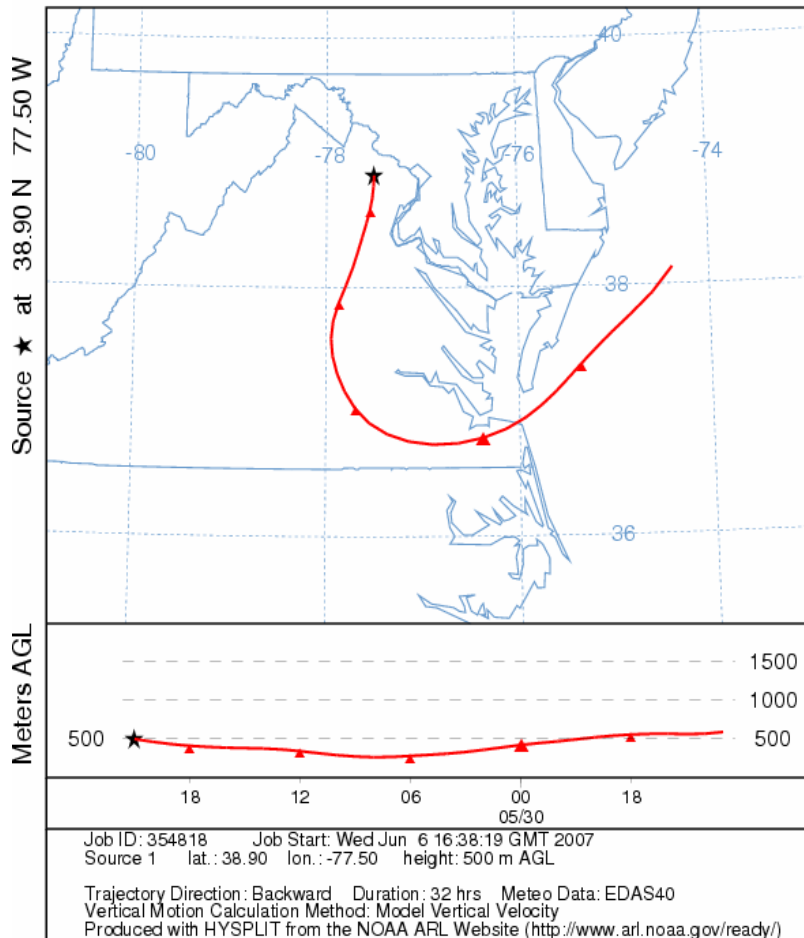
2007 Ozone Exceedances

8-Hour Exceedences			
Date	# of Monitor Exceeding	Monitor(s)	Highest Concentration (ppbv)
5/26/2007	1	PGC Equestrian Center	91
5/30/2007	5	McMillan Reservoir	86
		River_T	87
		Frederick Co	89
		HU-Beltsville	86
		Aurora Hills	85
5/31/2007	2	Ashburn	86
		Frederick Co	85

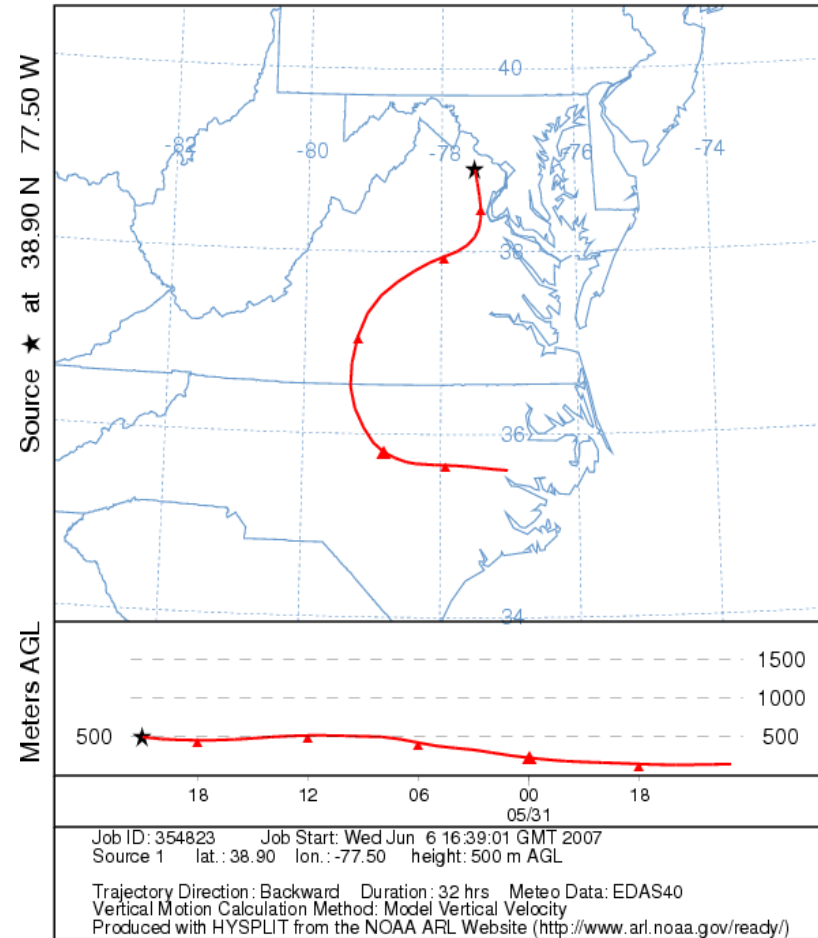


Trajectories

NOAA HYSPLIT MODEL
Backward trajectory ending at 21 UTC 30 May 07
EDAS Meteorological Data



NOAA HYSPLIT MODEL
Backward trajectory ending at 21 UTC 31 May 07
EDAS Meteorological Data

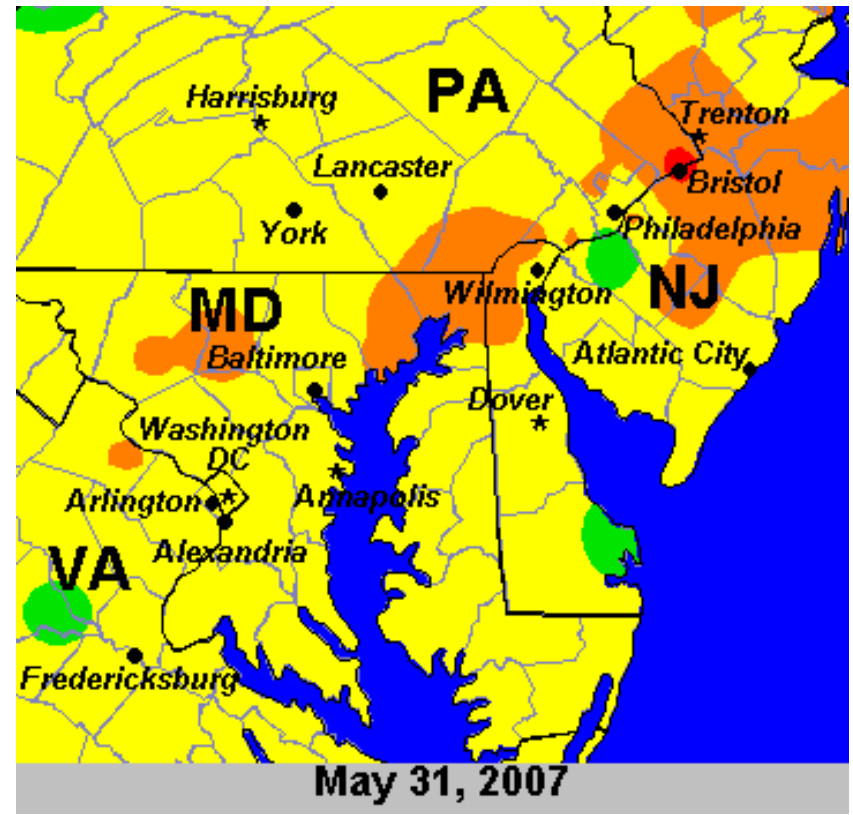
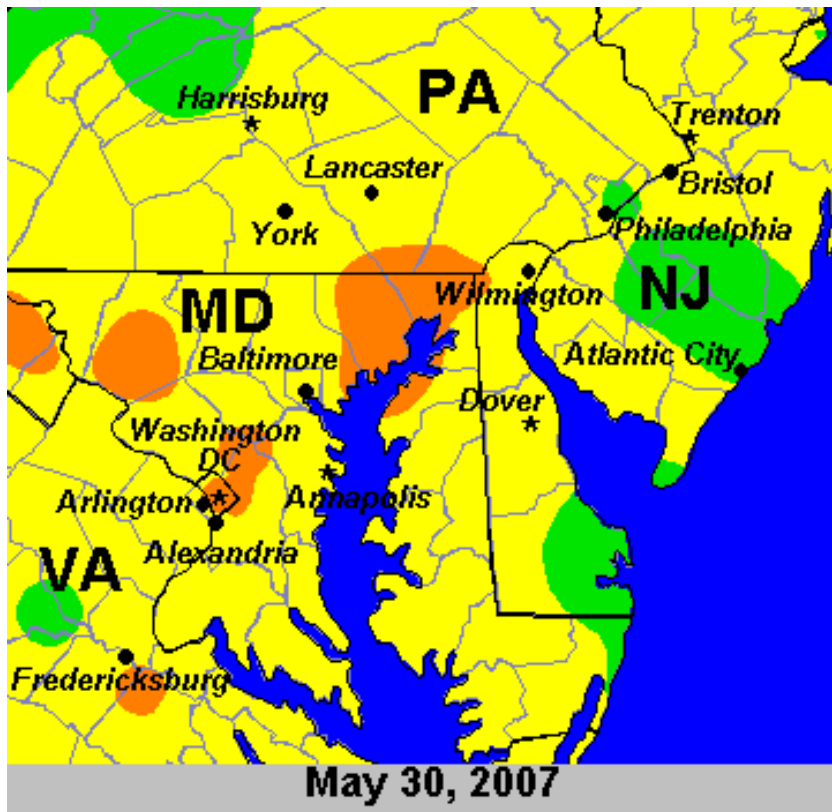




Ozone Episode: May 30 – May 31, 2007

Peak Air Quality Index

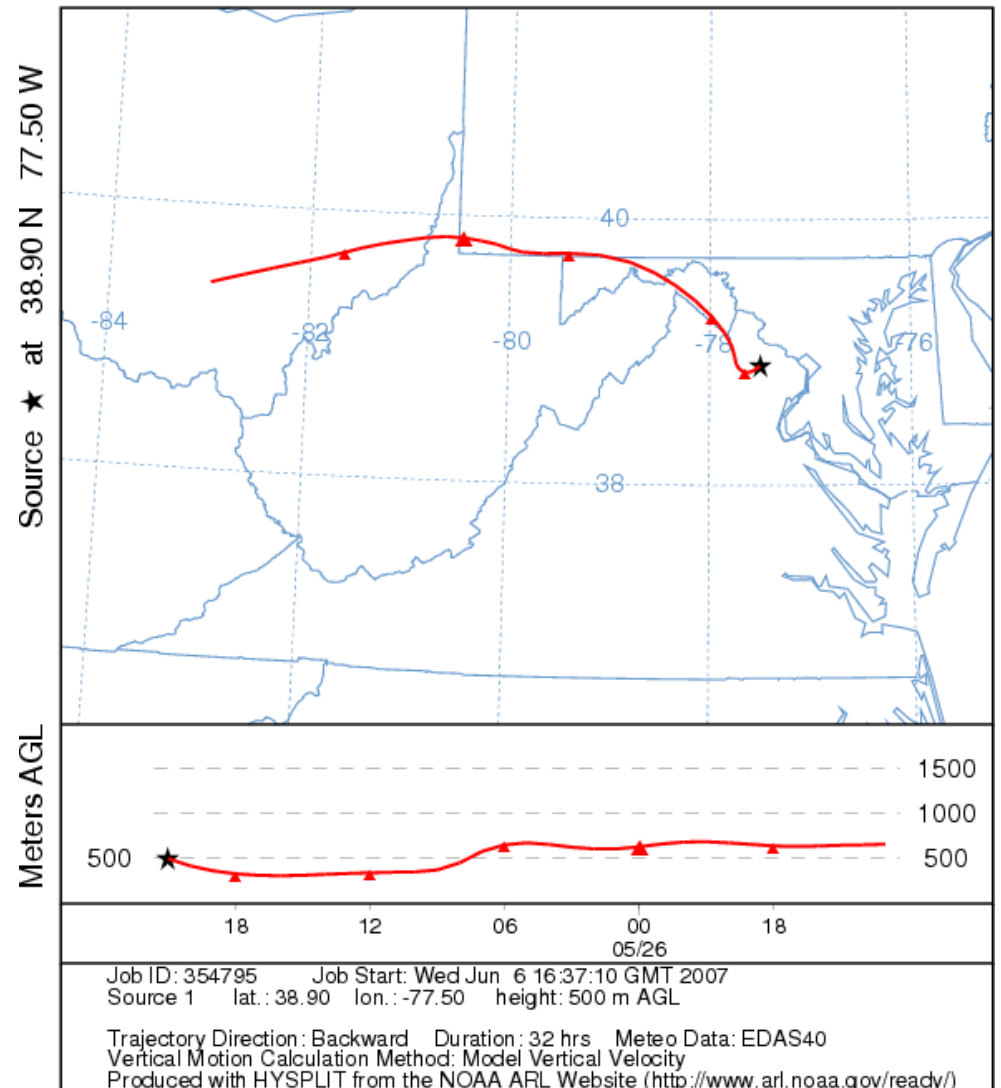
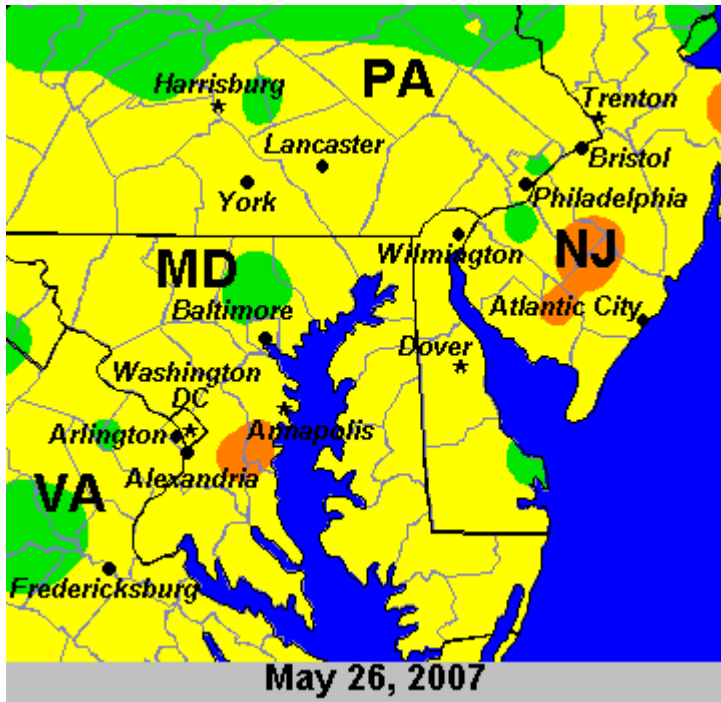
(Based on 8-hour ozone standard)





Trajectories

NOAA HYSPLIT MODEL
Backward trajectory ending at 21 UTC 26 May 07
EDAS Meteorological Data





Daily Peak Fine Particle Concentrations

24-Hour PM2.5 Concentrations

May 2007

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Maximum 24-Hour PM2.5 concentration occurred on May 26.

Concentrations reached 32 ug/m3