



# Ozone Season Summary

TAC Meeting  
June 9, 2006



## Ozone Episode: May 29 – June 1, 2006

Daily Peak 8-Hour Ozone Concentration (ppb)  
Washington Area-2006

MAY							JUNE						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	61	73	59	71	69	64					98	72	42
7	8	9	10	11	12	13	4	5	6	7	8	9	10
52	34	54	72	45	50	56	55						
14	15	16	17	18	19	20	11	12	13	14	15	16	17
46	46	42	53	55	43	57	18	19	20	21	22	23	24
21	22	23	24	25	26	27	25	26	27	28	29	30	
56	47	36	60	67	56	56							
28	29	30	31										
76	88	102	102										

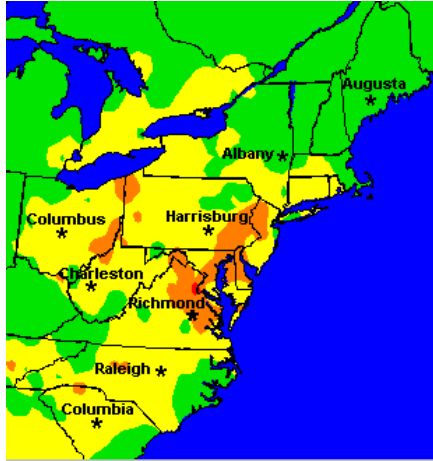
Date	# of Monitors Exceeding	Highest Monitor	Highest Concentration (ppb)
5/29/06	3	McMillan	88
5/30/06	12	McMillan	102
5/31/06	10	Rockville & Ashburn	102
6/1/06	5	HU-Beltsville	98



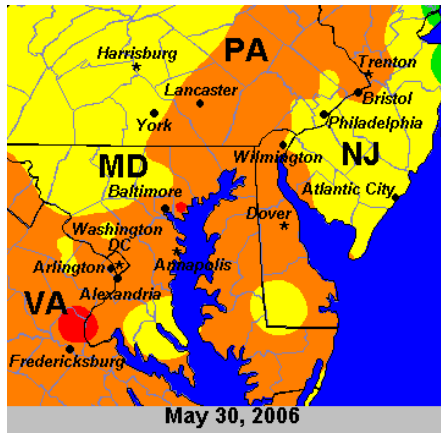
## Ozone Concentrations – A Regional View

### Peak Air Quality Index

(Based on 8-hour ozone standard)



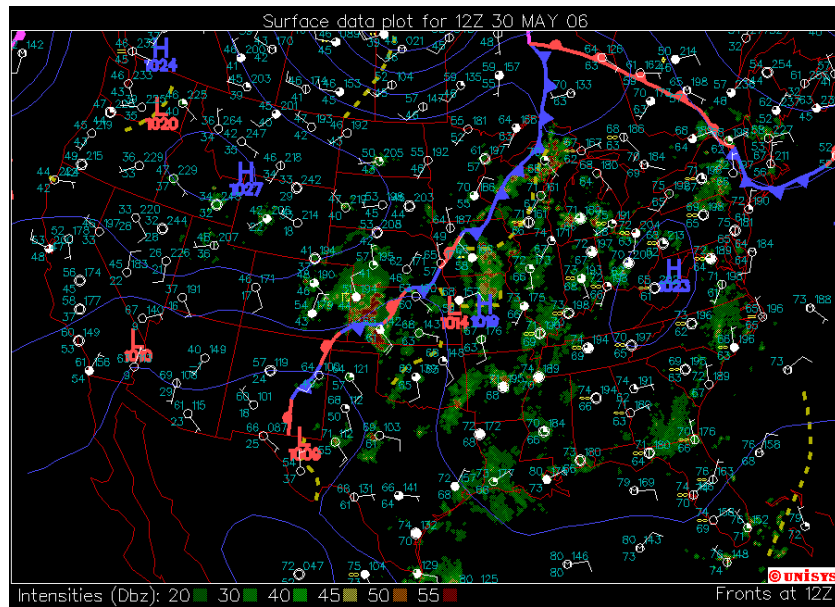
May 30, 2006



May 30, 2006



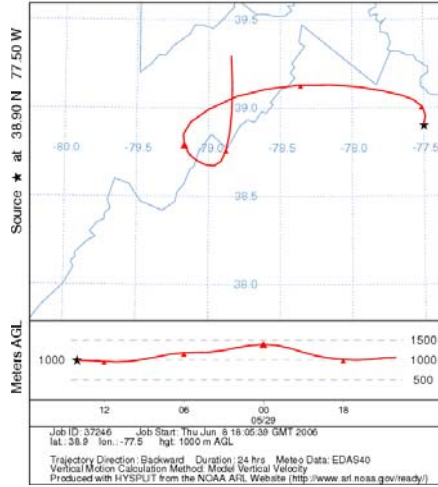
## What Happened – The Meteorology



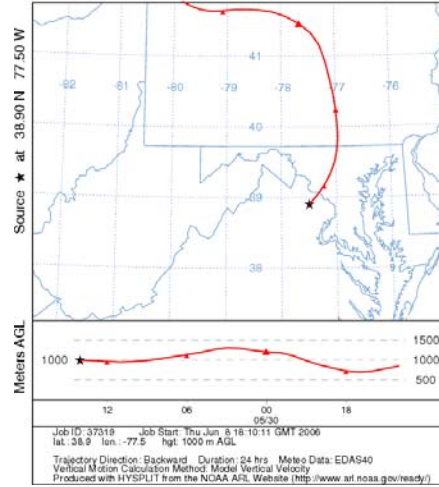


## Any Transport?

NOAA HYSPLIT MODEL  
Backward trajectory ending at 14 UTC 29 May 06  
EDAS Meteorological Data

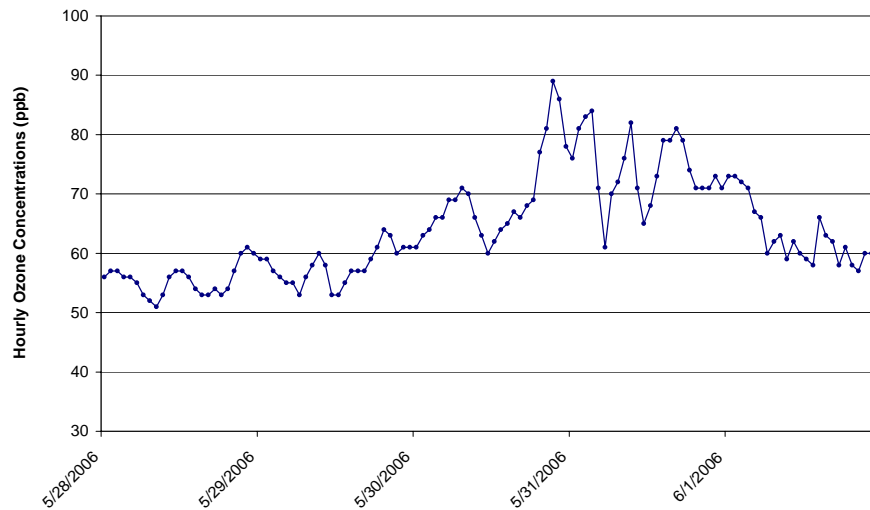


NOAA HYSPLIT MODEL  
Backward trajectory ending at 14 UTC 30 May 06  
EDAS Meteorological Data



## Ozone at a High Elevation Monitor

Shenandoah National Park Hourly Ozone Concentrations  
May 28, 2006 - June 1, 2006





## Daily Peak Fine Particle Concentrations

### Peak Concentrations ( $\mu\text{g}/\text{m}^3$ )

#### MAY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	5.1	7.9	15	16	18	13
7	8	8.3	10	15	7.7	10
13	4.6	10	11	13	7.3	11
10	8.7	10	12	25	26	13
19	24	36	35			

#### JUNE

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
				29	26	7.6
4	5	6	7	8	9	10
10						
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

### Peak AQI

