



# **Ozone Season Summary**

MWAQC Meeting

June 28, 2006



# Ozone Season Summary

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

### MAY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	1	2	3	4	5	6
	61	73	59	71	69	64
7	8	9	10	11	12	13
52	34	54	72	45	50	56
14	15	16	17	18	19	20
46	46	42	53	55	43	57
21	22	23	24	25	26	27
56	47	36	60	67	56	56
28	29	30	31			
76	88	102	102			

### JUNE

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
				1	2	3
				98	72	42
4	5	6	7	8	9	10
55	46	70	72	76	63	55
11	12	13	14	15	16	17
56	49	60	51	55	81	91
18	19	20	21	22	23	24
90	77	73	91	83		
25	26	27	28	29	30	

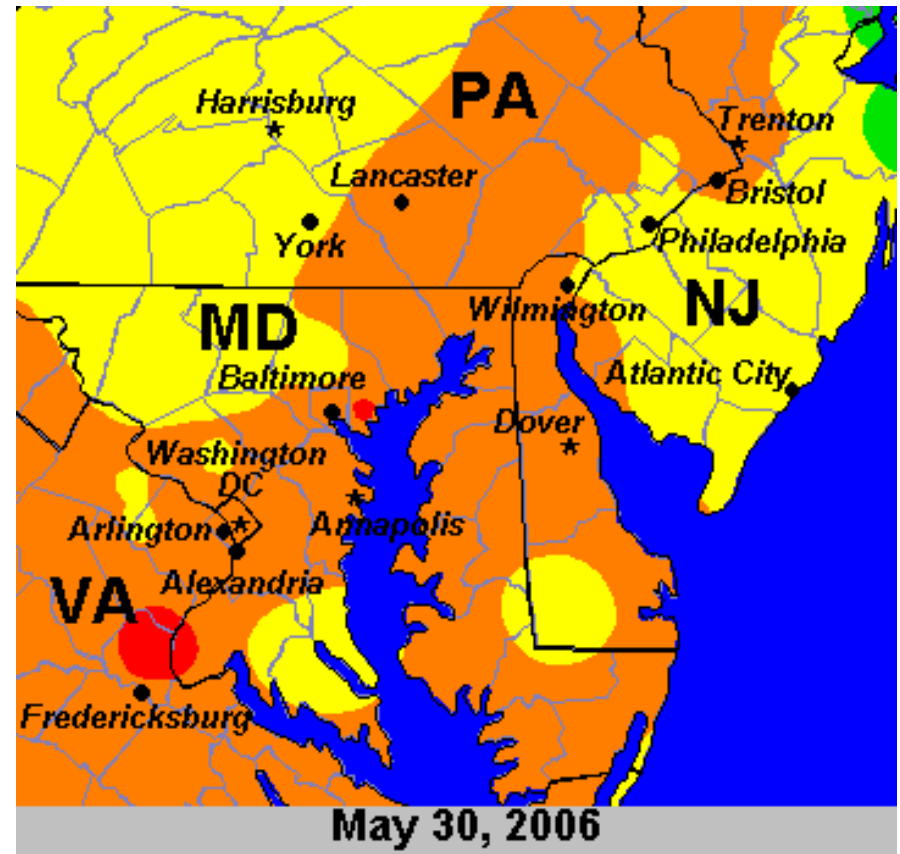
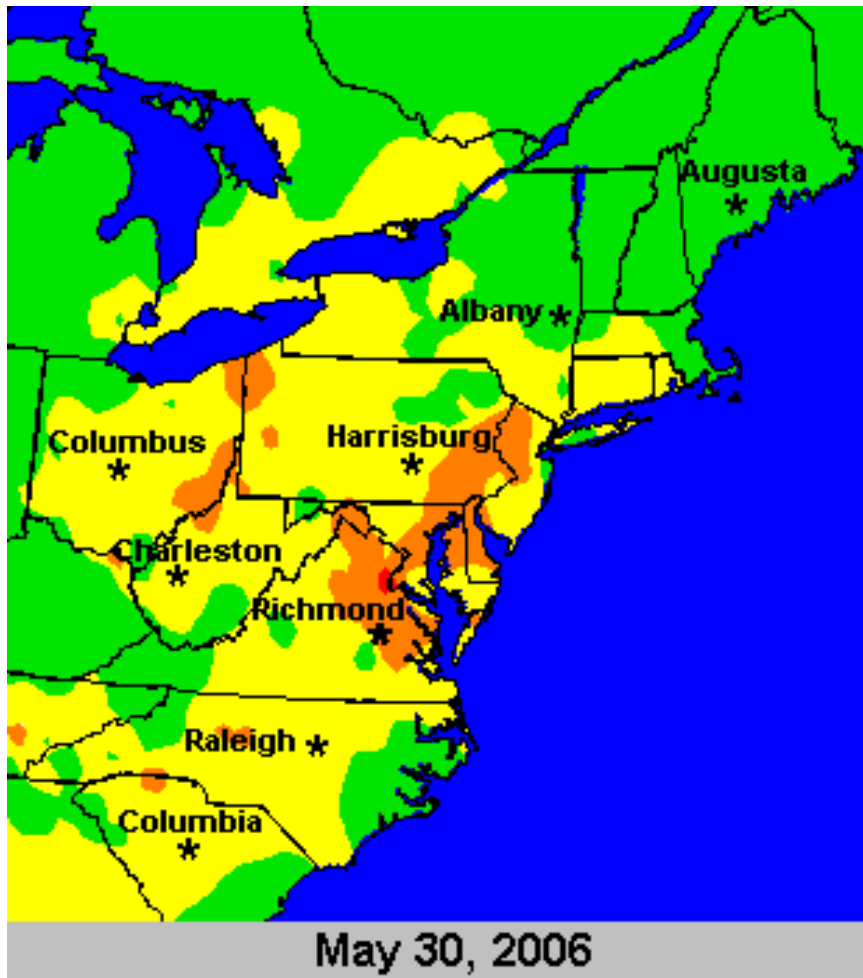
Date	# of Monitors Exceeding	Highest Monitor	Highest Concentration (ppb)
5/29/06	3	McMillan	88
5/30/06	12	McMillan	102
5/31/06	10	Rockville & Ashburn	102
6/1/06	5	HU-Beltsville	98
6/17/06	2	Rockville	91
6/18/06	2	HU-Beltsville	90
6/21/06	1	Prince George's EC	91



# Ozone Episode: May 29 – June 1, 2006

## Peak Air Quality Index

(Based on 8-hour ozone standard)

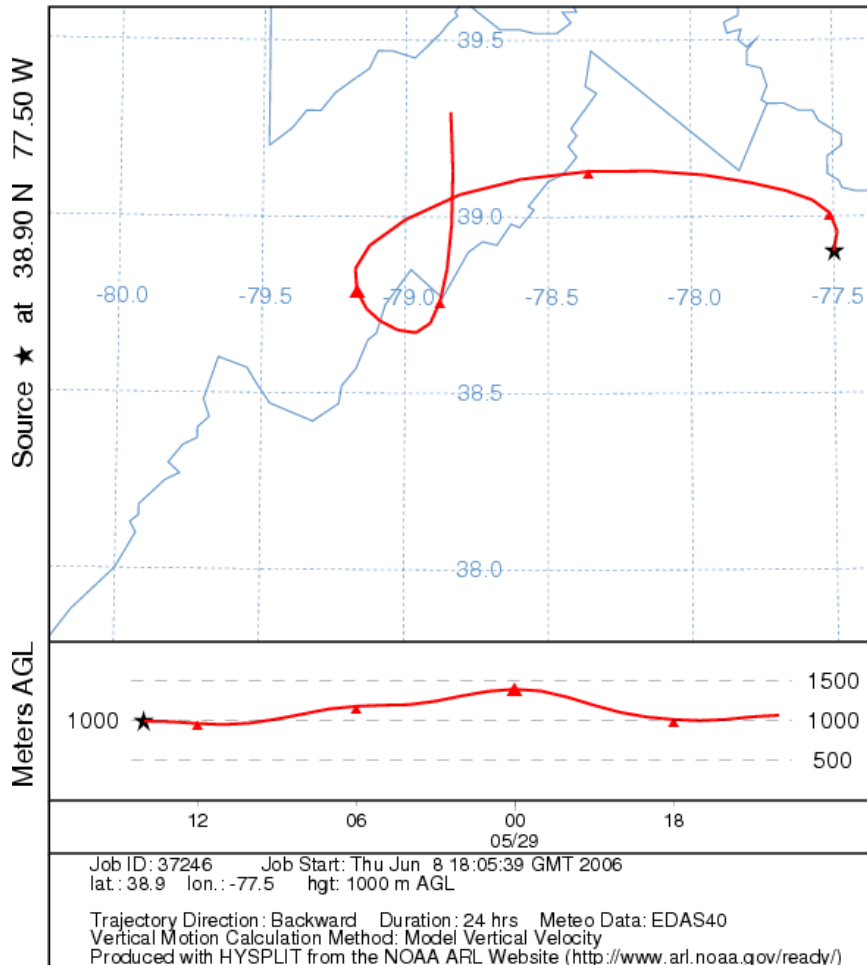




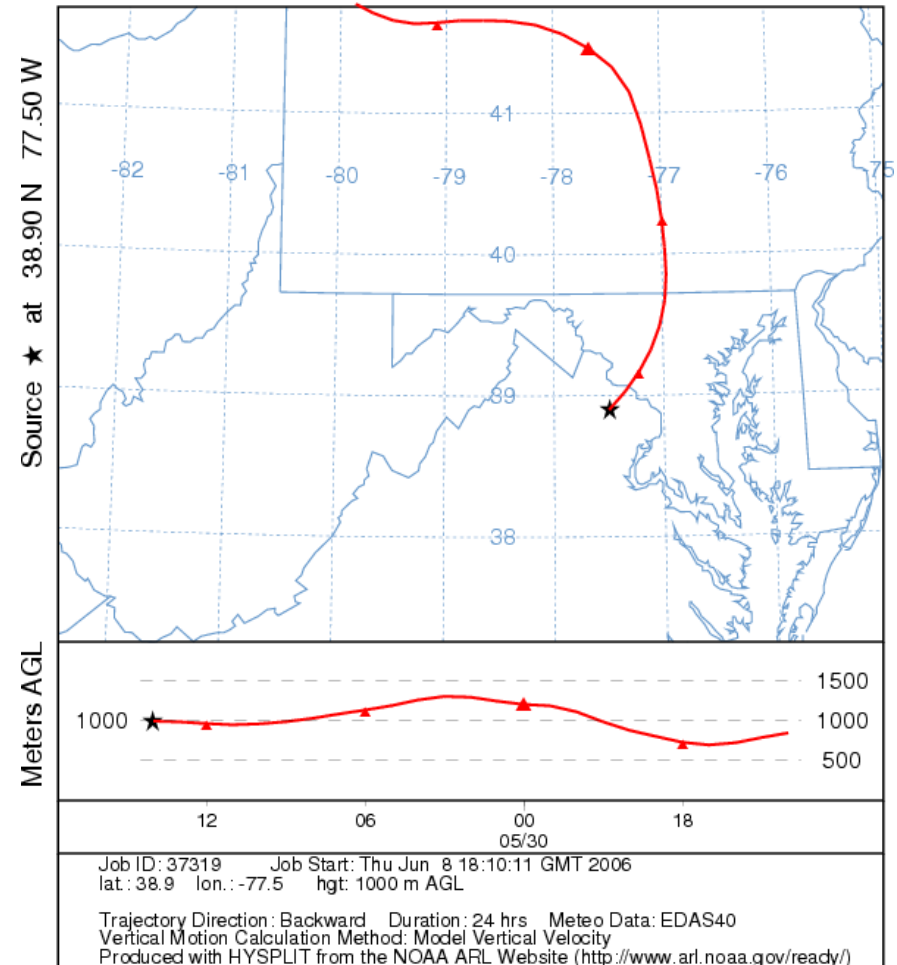


# Any Transport?

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



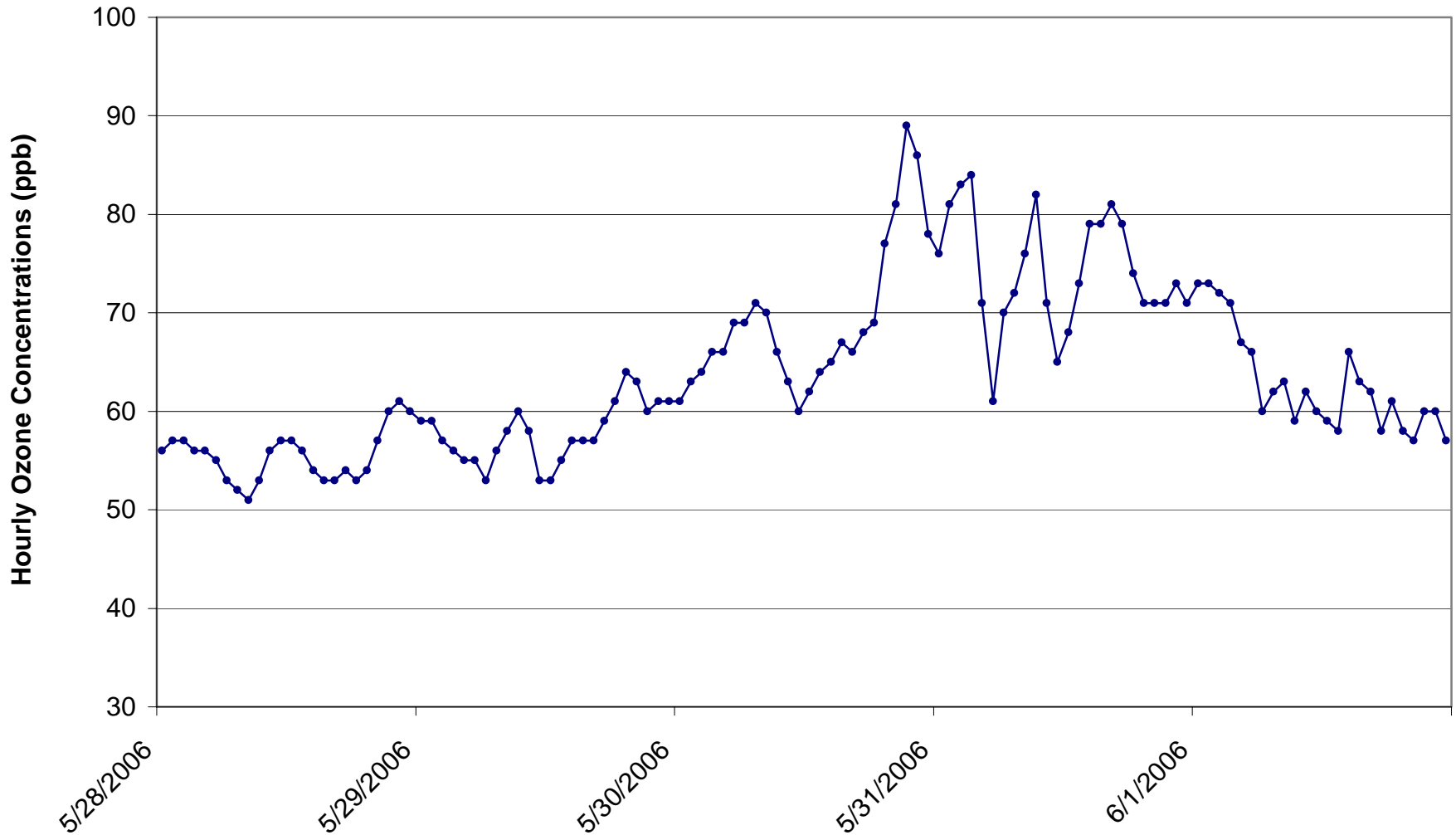
NOAA HYSPLIT MODEL  
Backward trajectory ending at 14 UTC 30 May 06  
EDAS Meteorological Data





# 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
	1	2	3	4	5	6
	5.1	7.9	15	16	18	13
7	8	9	10	11	12	13
7	5.9	8.3	10	15	7.7	10
14	15	16	17	18	19	20
13	4.6	10	11	13	7.3	11
21	22	23	24	25	26	27
10	8.7	10	12	25	26	13
28	29	30	31			
19	24	36	35			

### JUNE

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
				1	2	3
				29	26	7.6
4	5	6	7	8	9	10
10	7.3	14	14	19	16	7.5
11	12	13	14	15	16	17
6.1	11	11	26	9.4	12	23
18	19	20	21	22	23	24
34	28	17	24	22		
25	26	27	28	29	30	

## Peak AQI

