



Ozone Season Summary

May - July

MWAQC Meeting

July 26, 2006



Ozone Season Summary: May - June

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	72	62
25	26	27	28	29	30	
38	23	24	79	76	68	

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 Season Summary: July

JULY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
						1
						72
2	3	4	5	6	7	8
69	80	84	50	47	47	64
9	10	11	12	13	14	15
60	71	86	71	44	71	54
16	17	18	19	20	21	22
58	116	125	100	81	84	56
23	24	25	26	27	28	29
51						
30	31					

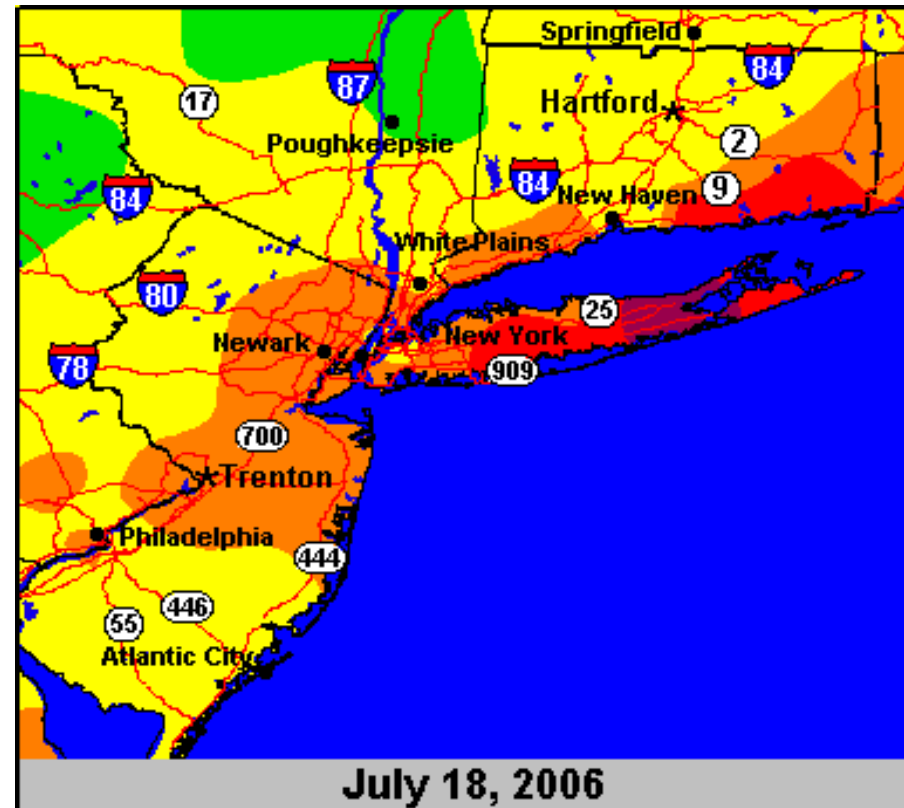
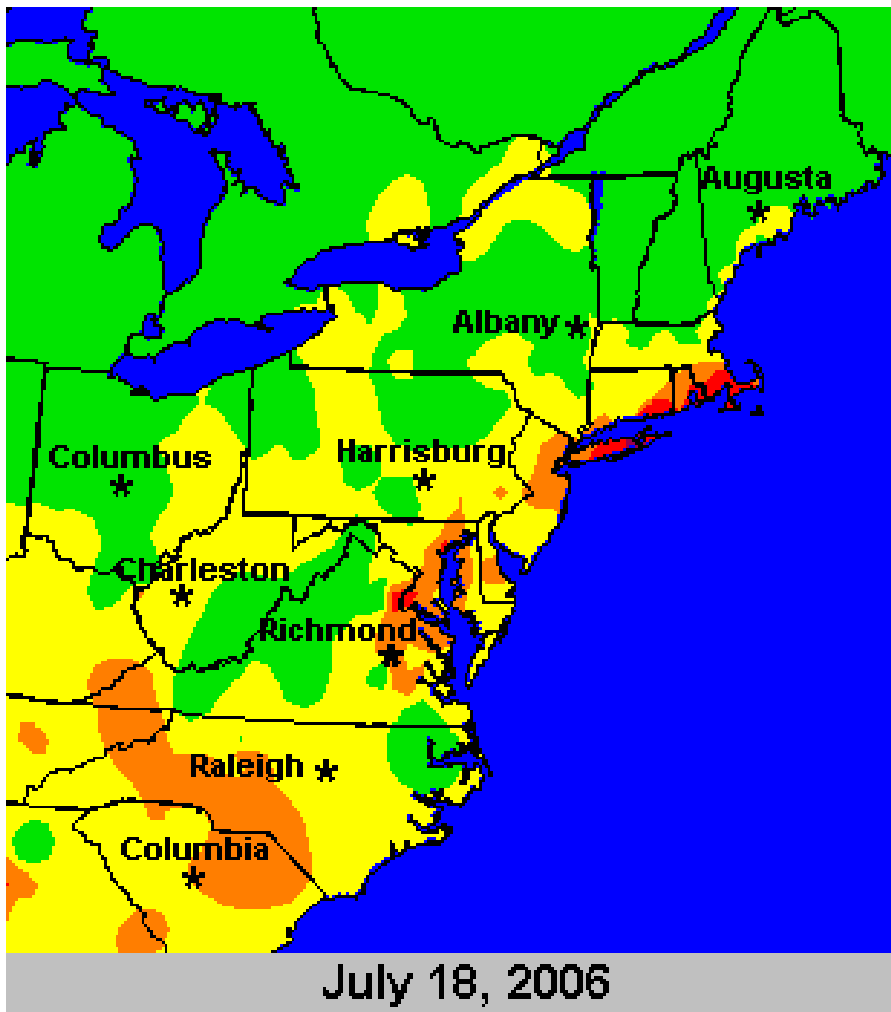
Date	# of Monitors Exceeding	Highest Monitor	Highest Concentration (ppb)
7/11/06	1	HU-Beltsville	86
7/17/06	10	Mt. Vernon	116
7/18/06	8	Mt. Vernon	125
7/19/06	6	Lewinsville	100



Ozone Episode: July 17 - 19, 2006

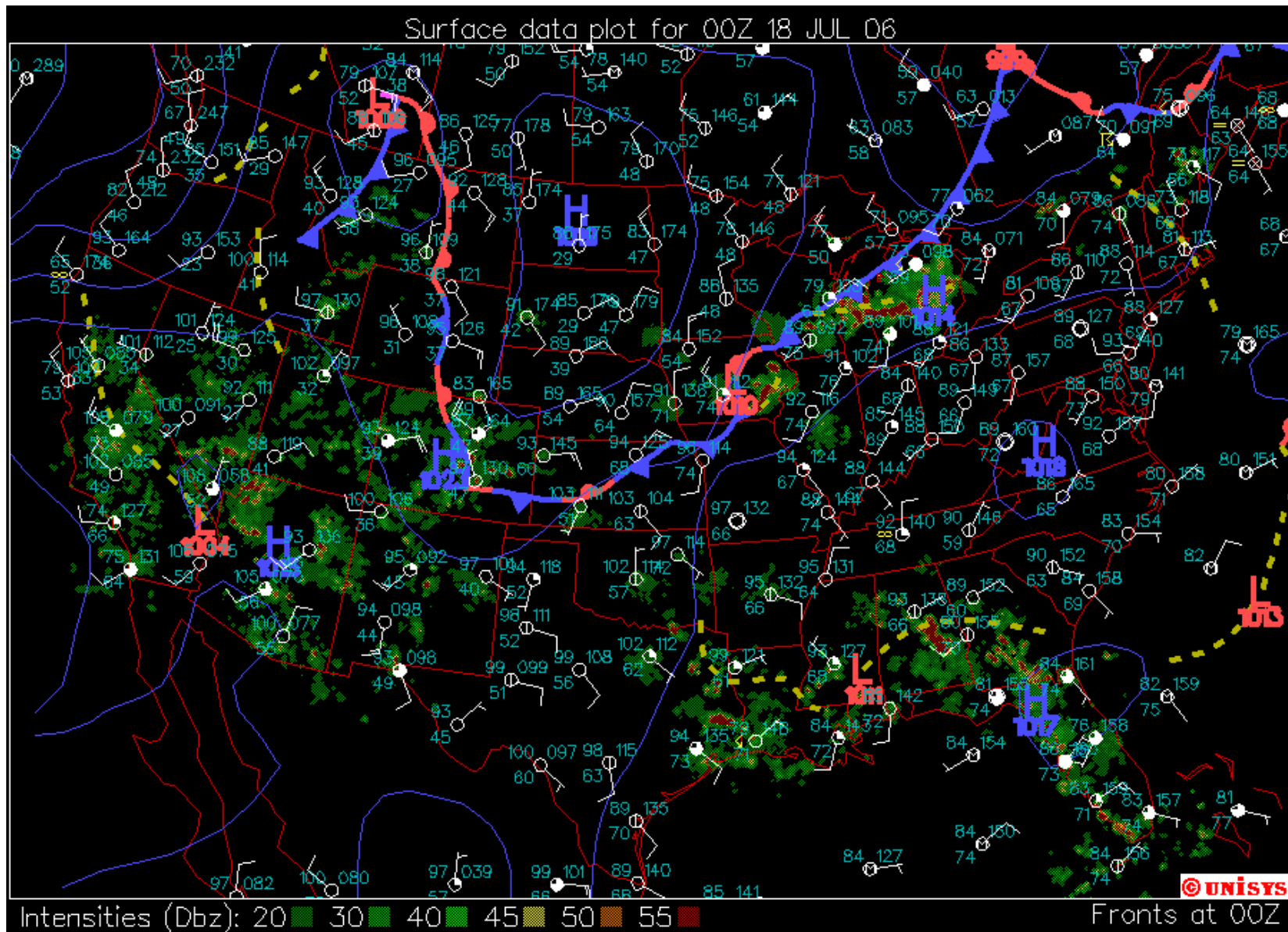
Peak Air Quality Index

(Based on 8-hour ozone standard)





What Happened – The Meteorology

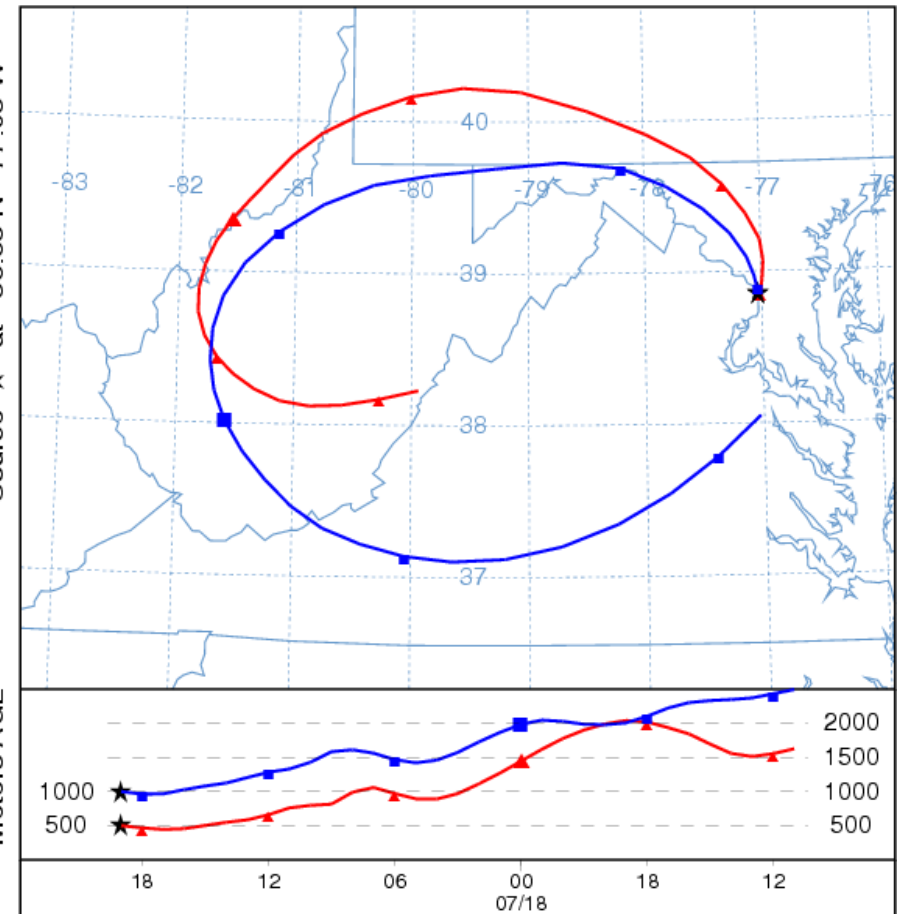
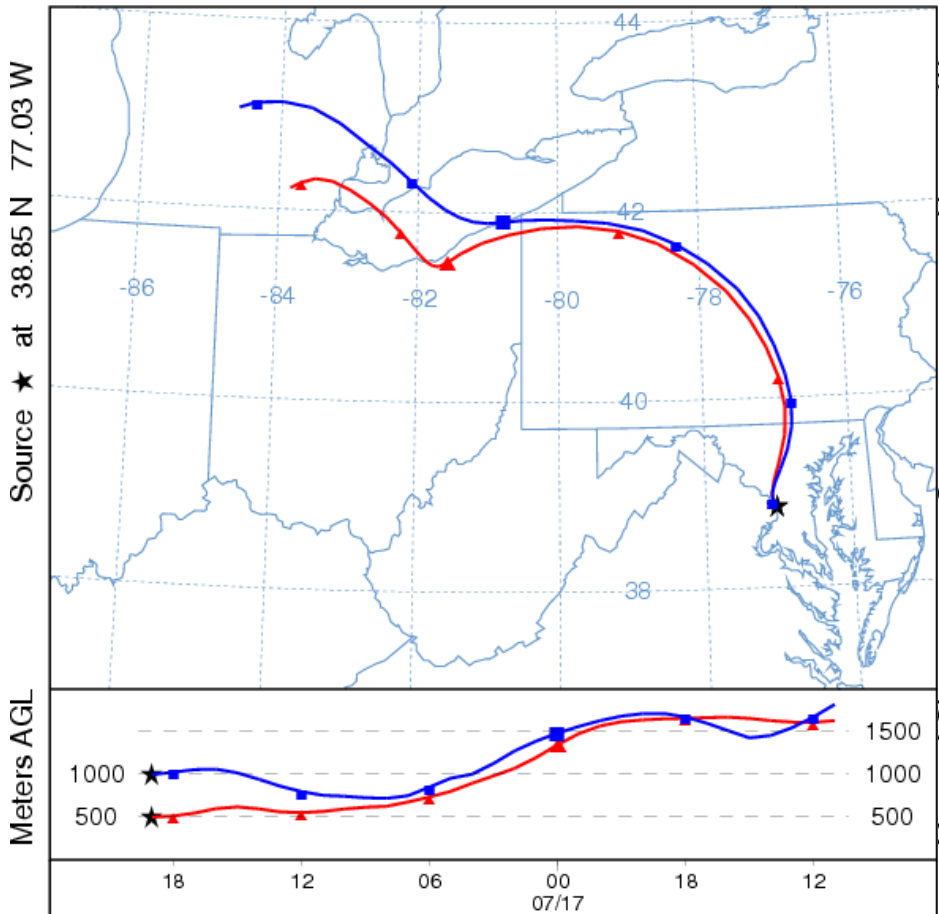




Back Trajectories

NOAA HYSPLIT MODEL
Backward trajectories ending at 19 UTC 17 Jul 06
EDAS Meteorological Data

NOAA HYSPLIT MODEL
Backward trajectories ending at 19 UTC 18 Jul 06
EDAS Meteorological Data



Job ID: 314989 Job Start: Wed Jul 19 14:01:31 GMT 2006
lat: 38.85 lon: -77.03 hgts: 500, 1000 m AGL

Trajectory Direction: Backward Duration: 32 hrs Meteo Data: EDAS40
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

Job ID: 314979 Job Start: Wed Jul 19 14:00:03 GMT 2006
lat: 38.85 lon: -77.03 hgts: 500, 1000 m AGL

Trajectory Direction: Backward Duration: 32 hrs Meteo Data: EDAS40
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)



Daily Peak Fine Particle Concentrations

Daily Peak 24-Hour Particle Concentration (ug/ m3) Washington Area-2006

MAY

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

JULY

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
						1
						27
2	3	4	5	6	7	8
30	29	43	23	14	13	17
9	10	11	12	13	14	15
20	36	49	34	15	28	26
16	17	18	19	20	21	22
13	26	32	26	30	28	17
23	24	25	26	27	28	29
9						
30	31					