

**TSD - aa**

**Trends in Measured 1-h Ozone Concentrations over the OTR  
modeling domain**

**Bureau of Air Quality Analysis and Research  
Division of Air Resources  
New York State Department of Environmental Conservation  
Albany, NY 12233**

**February 19, 2007**

## **Ozone Trend Analysis**

Trends in raw and meteorologically adjusted 1-hour ozone were calculated at several AQS monitoring sites in the Northeast. A summary of the analysis is provided below, and a detailed description of the met-adjustment procedure is outlined in Milanchus et al. (1998) and references contained including those related to the Kolmogorov-Zurbenko (KZ) method used in this analysis to estimate trends.

### **Data**

Ozone time series were obtained at many monitoring sites in the Northeastern United States. From these data, log of daily maximum one hour ozone were calculated. In addition, several meteorological variables were obtained from National Weather service stations in the Northeast. These included surface temperature, dew point and specific humidity with dew point depression being calculated. Daily maximum values were calculated for each of the meteorological variable times series. The time span of data considered for both ozone and meteorological variables was from 1985 to 2005. In addition, this analysis focused on the ozone season (April 15 through October 15) of each year.

### **Summary of Trend analysis**

In calculating raw ozone trends, a KZ365,3 filter was applied to the log of daily maximum ozone time series to obtain the long-term trend component. A linear regression is then performed to get the trend estimate.

For the met-adjusted trends, the time series of ozone and meteorological variables must first be separated into the baseline and short-term time scales. A KZ15,5 was used for this separation. The effects of meteorology are then removed from these components independently. Applying the KZ15,5 filter to the raw data (log of daily maximum ozone and daily maximum met. variables) produces the baseline component. The short term component is then obtained by subtracting the baseline from the raw data. For this analysis, temperature and dew point depression were removed from the short-term component, while temperature and specific humidity were removed from the baseline component.

Once the baseline and short-term components are isolated a multiple least squares regression is performed on each component with the respective meteorological components. Next, the residuals from the multiple regression on the short-term are added to the residuals from the baseline to get the met-adjusted ozone time series. A KZ365,3 filter is then applied to the met-adjusted ozone to get the long-term component of met-adjusted ozone. A linear regression is then applied to the long-term met-adjusted ozone to get a trend estimate and 95% confidence interval. Trend values that are negative represent a decreasing trend in ozone, while positive values indicate an upward trend. In this

analysis, trends were calculated for 4 different time periods; 1985 to 2005, 1990 to 2005, 1995 to 2005 and 2000 to 2005. Only trends that were significant at the 95% confidence level were reported. Tables 1 to 4 list the raw and met-adjusted trends for each of these time periods over the OTR. The total number of ozone monitors varied in these time periods, as there were often changes in the location of the monitor due to operational logistics. Figures 1a and 1b provide a graphical representation of the trends for the 1990 to 2005 time period.

## **Results**

Trends in both raw and meteorologically adjusted ozone are found to vary substantially over different time periods and from location to location. Trends were calculated for all ozone monitors located within the modeling domain, although the following discussion is focused on the New York CMSA, and that similar analysis could be performed for other areas of the OTR. In general, there is a decreasing trend in raw ozone over the New York, New Jersey and Connecticut area for all the time periods considered. Monitors in New York tend to show more decreasing trends when consideration is given to the longer time period of 1985 to 2005, and less for the shorter period of 1995 to 2005. Only one monitor in New Jersey continues to show an increasing trend in raw ozone levels irrespective of the 3 time periods, while Connecticut has the highest number of monitors that display an increasing trend particularly for the 1990 to 2005 period.

When meteorologically adjusted ozone is considered, the general trend over the tri-state area is one of decreasing ozone. The majority of New York monitors show decreasing trends in met-adjusted ozone with the most being in the 1985 to 2005 and 1995 to 2005 time periods and the least during the 1990 to 2005 time period. As with raw ozone concentrations, New Jersey has only one monitor showing an upward trend and only for the 1990 to 2005 time period. Monitors in Connecticut show a general downward trend in met-adjusted ozone with the majority of these occurring in the 1985 to 2005 time period and the least in the 1990 to 2005 period. Although we see a fairly consistent decrease in both raw and meteorologically adjusted ozone, it is not uncommon to see trends of different magnitude or even trend directions in nearby monitors that is probably a reflection of differences in emissions and titration effects on ozone.

## **Reference:**

Milanchus et al., (1998) "Evaluating the effectiveness of ozone management efforts in the presence of meteorological variability", JA&WMA, 48, 201-215.

Table 1 Raw and Met-adjusted trends in 1-hr ozone concentrations over the OTR for 1985-2005 ozone seasons

STATE	AIRS ID	STATION	LOCATION	RAW TRENDS		MET-ADJUSTED TRENDS	
				Slope (%/yr)	95% CI	Slope (%/yr)	95% CI
CT	90010017	GREENWICH	GREENWICH POINT PARK	-0.118	0.015	-0.234	0.017
CT	90011123	DANBURY	TRAILER, W. CONNECTICUT STATE UNIVERSITY	0.041	0.019	-0.083	0.021
CT	90013007	STRATFORD	USCG LIGHTHOUSE , PROSPECT STREET	-0.558	0.017	-0.823	0.019
CT	90031003	E. HARTFORD	MCAULIFFEE PARK	0.395	0.019	0.422	0.014
CT	90070007	MIDDLETOWN	CONN. VALLEY HOSP., SHEW HALL, EASTERN D	-0.097	0.014	-0.197	0.011
CT	90093002	MADISON	HAMMONASSET STATE PARK	0.056	0.015		
CT	90110008	GROTON	UNIVERSITY OF CONNECTICUT, AVERY POINT	-0.758	0.015	-0.807	0.019
CT	90131001	STAFFORD	ROUTE 190, SHENIPSIT STATE FOREST	-0.176	0.015	-0.218	0.013
DC	110010025	NOT IN A CITY	TAKOMA SC. PINEY BRANCH RD & DAHLIA ST N	-0.464	0.022	-0.191	0.015
		CAPE					
ME	230052003	ELIZABETH	TWO LIGHTS STATE PARK	-0.943	0.014	-0.847	0.013
ME	230312002	NOT IN A CITY	OCEAN AVE/PARSONS WAY, KENNEBUNKPORT	-0.794	0.016	-0.712	0.013
MD	240030014	NOT IN A CITY	QUEEN ANNE AND WAYSON ROADS	-0.904	0.024	-0.698	0.019
MD	240051007	COCKEYSVILLE	GREENSIDE DRIVE COCKEYSVILLE MD	-0.596	0.015	-0.326	0.010
MD	240053001	ESSEX	WOODWARD & DORSEY RDS ,ESSEX MD	-0.493	0.014	-0.221	0.012
MD	240130001	NOT IN A CITY	1300 W. OLD LIBERTY ROAD, WINFIELD,MD	-0.841	0.014	-0.566	0.010
MD	240170010	NOT IN A CITY	SO MD CORRECTIONAL CAMP, HUGHESVILLE	-0.780	0.020	-0.557	0.015
MD	240251001	EDGEWOOD	EDGEWOOD ARMY CHEM CENTER EDGEWOOD	-0.537	0.016	-0.296	0.016
MD	240313001	ROCKVILLE	LOTHROP E SMITH ENV.ED CENTER ROCKVILLE	-0.604	0.022	-0.441	0.018
MA	250010002	TRURO	FOX BOTTOM AREA-CAPE COD NAT'L SEA SHR	0.029	0.018	-0.312	0.020
MA	250051002	FAIRHAVEN	LEROY WOOD SCHOOL	-0.186	0.019	-0.301	0.020
MA	250130008	CHICOPEE	ANDERSON ROAD AIR FORCE BASE	-0.201	0.019	-0.072	0.016

MA	250154002	WARE	QUABBIN SUMMIT	-0.520	0.015	-0.576	0.014
NH	330050007	KEENE	RAILROAD STREET	-0.140	0.036	-0.360	0.005
NH	330190003	CLAREMONT	SOUTH STREET	0.390	0.068	0.210	0.037
NJ	340010005	NOT IN A CITY	BRIGANTINE WILDLIFE REFUGE,NACOTE CREEK	-0.999	0.020	-0.914	0.020
NJ	340070003	NOT IN A CITY	COPEWOOD E. DAVIS STS; TRAILER	-0.692	0.021	-0.729	0.020
NJ	340071001	NOT IN A CITY	ANCORA STATE HOSPITAL, ANCORA	-0.838	0.014	-0.752	0.016
NJ	340110007	NOT IN A CITY	LINCOLN AVE.&HIGHWAY 55,NE OF MILLVILLE	-0.767	0.014	-0.551	0.015
NJ	340150002	NOT IN A CITY	CLARKSBORO,SHADY LANE REST HOME	-0.686	0.011	-0.580	0.012
NJ	340170006	BAYONNE	VETERANS PARK ON NEWARK BAY	-0.988	0.014	-0.784	0.015
NJ	340190001	FLEMINGTON	RARITAN STP,RTE.613S, THREE BRIDGES	-0.326	0.013	-0.118	0.016
NJ	340210005	NOT IN A CITY	RIDER COLLEGE;LAWRENCE TOWNSHIP	-0.825	0.014	-0.753	0.012
NJ	340273001	NOT IN A CITY	BLDG.#1, BELL LABS, OFF ROUTE 513	-0.823	0.015	-0.645	0.017
NY	360010012	ALBANY	LOUDONVILLE RESERVOIR			0.169	0.010
NY	360150003	ELMIRA	SULLIVAN ST., WATER TR. PL.	-0.056	0.017	0.036	0.016
NY	360290002	AMHERST	AUDUBON GOLF COURSE, MAPLE ROAD	0.066	0.027	0.334	0.027
NY	360310002	NOT IN A CITY	SUMMIT,WHITEFACE MTN,WEATHER STATION	-0.319	0.012	-0.376	0.027
NY	360310003	NOT IN A CITY	BASE WHITEFACE MTN,ASRC,SUNY	-0.528	0.026	-0.441	0.025
NY	360450002	NOT IN A CITY	VADAI ROAD, PERCH RIVER, BROWNVILLE	-0.147	0.024	-0.255	0.024
NY	360631006	NOT IN A CITY	MIDDLEPORT STP, NORTH HARTLAND RD	-0.317	0.017	-0.059	0.017
NY	360850067	NEW YORK CITY	SUSAN WAGNER HS, ,	-0.643	0.018	-0.399	0.022
NY	360930003	SCHENECTADY	MT.PLEASANT HS,	-0.123	0.016	0.016	0.011
NY	361030002	BABYLON	EAST FARMINGDALE WATER DIST.,GAZZA BLVD.	-0.315	0.018	-0.678	0.014
NY	361030004	RIVERHEAD	39 SOUND AVENUE,RIVERHEAD	-0.163	0.051	-0.089	0.038
NY	361173001	NOT IN A CITY	WAYNE EDUCATIONAL CENTER, WILLIAMSON	-0.929	0.020	-0.618	0.016
NY	361192004	WHITE PLAINS	WHITE PLAINS PUMP STATION,ORCHARD STREET	-0.424	0.018	-0.330	0.018
PA	420030008	PITTSBURGH	BAPC 301 39TH STREET BLDG #7	0.148	0.034	0.678	0.031
PA	420030067	NOT IN A CITY	OLD OAKDALE ROAD SOUTH FAYETTE	0.879	0.037	1.204	0.035
PA	420070014	BEAVER FALLS	EIGHT STREET AND RIVER ALLEY	-0.251	0.016	0.121	0.015
PA	420110009	READING	UGI CO MONGANTOWN RD AND PROSPECT ST	-0.304	0.016	-0.269	0.014

PA	420130801	ALTOONA	2ND AVE & 7TH ST	-0.207	0.016	0.141	0.014
PA	420170012	BRISTOL (BORO)	ROCKVIEW LANE	-0.609	0.012	-0.522	0.015
PA	420210011	NOT IN A CITY	MILLER AUTO SHOP 1 MESSENGER ST	-0.020	0.018	0.327	0.017
PA	420430401	HARRISBURG	1833 UPS DRIVE HARRISBURG PA	-0.188	0.017	-0.130	0.013
PA	420431100	HERSHEY	SIPE AVE & MAE STREET	-0.297	0.017	-0.279	0.014
PA	420450002	CHESTER	FRONT ST & NORRIS ST	-0.585	0.014	-0.379	0.015
PA	420692006	SCRANTON LANCASTER CITY	GEORGE ST TROOP AND CITY OF SCRANTON	-0.163	0.017	-0.218	0.017
PA	420710007	NEW CASTLE	ABRAHAM LINCOLN JR HIGH GROFFTOWN RD	0.178	0.020	0.265	0.019
PA	420730015	ALLENTOWN	CROTON ST & JEFFERSON ST.	-0.091	0.014	0.112	0.014
PA	420770004	NANTICOKE	STATE HOSPITAL REAR 1600 HANOVER AVE	-0.054	0.017	-0.056	0.018
PA	420791100	WILKES-BARRE	255 LOWER BROADWAY	-0.073	0.020	-0.110	0.024
PA	420791101	NOT IN A CITY	CHILWICK & WASHINGTON STS	0.132	0.017	0.089	0.016
PA	420850100	NORRISTOWN	PA518 (NEW CASTLE ROAD) & PA418			0.164	0.013
PA	420910013	NOT IN A CITY	STATE ARMORY - 1046 BELVOIR RD	-0.323	0.016	-0.142	0.017
PA	420990301	PHILADELPHIA	ROUTE 34 LITTLE BUFFALO STATE PARK	-0.274	0.017	-0.052	0.016
PA	421010014	PHILADELPHIA	ROXY WATER PUMP STA EVA-DEARNLEY STS	-0.991	0.012	-0.720	0.014
PA	421010024	CHARLEROI	GRANT-ASHTON ROADS PHILA NE AIRPORT	-0.408	0.024	-0.374	0.029
PA	421250005	WASHINGTON	CHARLER01 WASTE TREATMENT PLANT	0.060	0.023	0.386	0.022
PA	421250200	YORK	MCCARRELL AND FAYETTE STS	-0.273	0.017	0.094	0.017
PA	421330008		HILL ST.	-0.071	0.016	0.060	0.018
RI	440030002	NOT IN A CITY	W. ALTON JONES CAMPUS URI PARKERFIELD	-0.752	0.017	-0.888	0.018
VA	510130020	NOT IN A CITY	S 18TH AND HAYES ST	-0.529	0.015	-0.195	0.011
VA	510410004	NOT IN A CITY	BEACH,INTERSECTION OF CO.ROADS 655 & 654	-0.555	0.020	-0.122	0.018
VA	510590018	NOT IN A CITY	MT.VERNON 2675 SHERWOOD HALL LANE	-0.939	0.014	-0.530	0.013
VA	510595001	MC LEAN	LEWINSVILLE 1437 BALLS HILL RD	-0.540	0.014	-0.209	0.015
VA	510610002	NOT IN A CITY	RT651 C PHELPS WILDLIFE MANAGEMENT AREA	-1.145	0.019	-0.741	0.016
VA	510870014	NOT IN A CITY	2401 HARTMAN STREET MATH & SCIENCE CTR	-0.427	0.015		
VA	511130003	NOT IN A CITY	SHENANDOAH NP BIG MEADOWS	-0.031	0.021	0.067	0.018
VA	511611004	VINTON	EAST VINTON ELEMENTARY SCHOOL	-0.374	0.022	-0.180	0.019
VA	515100009	ALEXANDRIA	517 N SAINT ASAPH ST, ALEXANDRIA HEALTH	0.104	0.024	0.400	0.020
VA	518000004	SUFFOLK	TIDEWATER COMM. COLL.. FREDERIC CAMPUS	-0.287	0.024	0.072	0.020

Table 2 Raw and Met-adjusted trends in 1-hr ozone concentrations over the OTR for 1990-2005 ozone seasons

STATE	AIRS ID	STATION	LOCATION	RAW TRENDS		MET-ADJUSTED TRENDS	
				Slope (%/yr)	95% CI	Slope (%/yr)	95% CI
CT	090010017	GREENWICH	GREENWICH POINT PARK	0.165	0.022	0.202	0.024
CT	090011123	DANBURY	TRAILER, W. CONNECTICUT STATE UNIVERSITY	0.591	0.024	0.646	0.023
CT	090013007	STRATFORD	USCG LIGHTHOUSE , PROSPECT STREET	0.078	0.018	-0.123	0.019
CT	090031003	EAST HARTFORD	MCAULIFFEE PARK	0.046	0.027	0.208	0.018
CT	090070007	MIDDLETOWN	CONN. VALLEY HOSP., SHEW HALL, EASTERN D	0.225	0.017	0.171	0.012
CT	090093002	MADISON	HAMMONASSET STATE PARK	-0.203	0.022	-0.167	0.025
CT	090110008	GROTON	UNIVERSITY OF CONNECTICUT, AVERY POINT	-0.402	0.022	-0.295	0.026
CT	090131001	STAFFORD	ROUTE 190, SHENIPSIT STATE FOREST	-0.114	0.019	-0.104	0.015
DC	110010025	NOT IN A CITY	TAKOMA SC. PINEY BRANCH RD & DAHLIA ST N	-0.357	0.029	-0.088	0.021
ME	230052003	CAPE ELIZABETH	TWO LIGHTS STATE PARK	-0.858	0.021	-0.684	0.02
ME	230312002	NOT IN A CITY	OCEAN AVE/PARSONS WAY, KENNEBUNKPORT	-0.874	0.015	-0.746	0.013
MD	240030014	NOT IN A CITY	QUEEN ANNE AND WAYSON ROADS	-0.805	0.037	-0.518	0.032
MD	240051007	COCKEYSVILLE	GREENSIDE DRIVE COCKEYSVILLE MD	-0.805	0.021	-0.416	0.013
MD	240053001	ESSEX	WOODWARD & DORSEY RDS ,ESSEX MD	-0.396	0.020		
MD	240130001	NOT IN A CITY	1300 W. OLD LIBERTY ROAD, WINFIELD,MD	-0.940	0.019	-0.553	0.013
MD	240170010	NOT IN A CITY	SO MD CORRECTIONAL CAMP, HUGHESVILLE	-0.644	0.029	-0.501	0.025
MD	240251001	EDGEWOOD	EDGEWOOD ARMY CHEM CENTER EDGEWOOD	-0.555	0.020	-0.144	0.018
MD	240313001	ROCKVILLE	LOTHROP E SMITH ENV.ED CENTER ROCKVILLE	-0.730	0.035	-0.542	0.031
MA	250010002	TRURO	FOX BOTTOM AREA-CAPE COD NAT'L Sea shr	0.134	0.019	0.202	0.019
MA	250051002	FAIRHAVEN	LEROY WOOD SCHOOL	0.337	0.025	0.314	0.027
MA	250130008	CHICOPEE	ANDERSON ROAD AIR FORCE BASE	0.252	0.023	0.473	0.018

MA	250154002	WARE	QUABBIN SUMMIT	-0.793	0.016	-0.706	0.014
NH	330050007	KEENE	RAILROAD STREET	-0.150	0.072	-0.180	0.065
NH	330190003	CLAREMONT	SOUTH STREET	0.570	0.045	0.550	0.012
NJ	340010005	NOT IN A CITY	BRIGANTINE WILDLIFE REFUGE,NACOTE CREEK	-1.291	0.031	-1.308	0.031
NJ	340070003	NOT IN A CITY	COPEWOOD E. DAVIS STS; TRAILER	-0.089	0.025	-0.043	0.022
NJ	340071001	NOT IN A CITY	ANCORA STATE HOSPITAL, ANCORA	-0.720	0.017	-0.544	0.023
NJ	340110007	NOT IN A CITY	LINCOLN AVE.&HIGHWAY 55,NE OF MILLVILLE	-0.592	0.021	-0.257	0.022
NJ	340150002	NOT IN A CITY	CLARKSBORO,SHADY LANE REST HOME	-0.743	0.016	-0.473	0.018
NJ	340170006	BAYONNE	VETERANS PARK ON NEWARK BAY	-1.137	0.019	-0.782	0.022
NJ	340190001	FLEMINGTON	RARITAN STP,RTE.613S, THREE BRIDGES	-0.208	0.019	0.121	0.023
NJ	340210005	NOT IN A CITY	RIDER COLLEGE;LAWRENCE TOWNSHIP	-1.027	0.021	-0.828	0.019
NJ	340273001	NOT IN A CITY	BLDG.#1, BELL LABS, OFF ROUTE 513	-0.863	0.024	-0.575	0.029
NY	360010012	ALBANY	LOUDONVILLE RESERVOIR	-0.148	0.019	0.154	0.014
NY	360150003	ELMIRA	SULLIVAN ST., WATER TR. PL.			0.066	0.026
NY	360290002	AMHERST	AUDUBON GOLF COURSE, MAPLE ROAD	1.008	0.031	1.358	0.031
NY	360310002	NOT IN A CITY	SUMMIT,WHITEFACE MTN,WEATHER STATION	-0.447	0.016	-0.376	0.027
NY	360310003	NOT IN A CITY	BASE WHITEFACE MTN,ASRC,SUNY	-0.517	0.027	-0.441	0.025
NY	360450002	NOT IN A CITY	VADAI ROAD, PERCH RIVER, BROWNVILLE	0.626	0.027	0.533	0.029
NY	360631006	NOT IN A CITY	MIDDLEPORT STP, NORTH HARTLAND RD	0.213	0.020	0.529	0.019
NY	360850067	NEW YORK CITY	SUSAN WAGNER HS	-0.400	0.027		
NY	360930003	SCHENECTADY	MT.PLEASANT HS.	-0.043	0.021	0.255	0.015
NY	361030002	BABYLON	EAST FARMINGDALE WATER DIST.,GAZZA BLVD.	-0.927	0.016	-1.101	0.016
NY	361030004	RIVERHEAD	39 SOUND AVENUE,RIVERHEAD	-0.170	0.051	-0.089	0.038
NY	361173001	NOT IN A CITY	WAYNE EDUCATIONAL CENTER, WILLIAMSON	-0.841	0.033	-0.408	0.025
NY	361192004	WHITE PLAINS	WHITE PLAINS PUMP STATION,ORCHARD Str	-0.250	0.026	0.084	0.024
PA	420030008	PITTSBURGH	BAPC 301 39TH STREET BLDG #7	0.871	0.050	1.486	0.045
PA	420030067	NOT IN A CITY	OLD OAKDALE ROAD SOUTH FAYETTE	1.406	0.052	1.767	0.046
PA	420070014	BEAVER FALLS	EIGHT STREET AND RIVER ALLEY	-0.118	0.026	0.417	0.023
PA	420110009	READING	UGI CO MONGANTOWN RD AND PROSPECT ST	-0.143	0.024		



PA	420130801	ALTOONA BRISTOL	2ND AVE & 7TH ST	-0.274	0.024	0.190	0.021
PA	420170012	(BOROUG	ROCKVIEW LANE	-0.536	0.019	-0.322	0.024
PA	420210011	NOT IN A CITY	MILLER AUTO SHOP 1 MESSENGER ST	0.085	0.029	0.564	0.026
PA	420430401	HARRISBURG	1833 UPS DRIVE HARRISBURG PA	-0.142	0.027	0.048	0.018
PA	420431100	HERSHEY	SIPE AVE & MAE STREET	-0.251	0.026	-0.120	0.022
PA	420450002	CHESTER	FRONT ST & NORRIS ST	-0.464	0.021	-0.042	0.022
PA	420692006	SCRANTON	GEORGE ST TROOP AND CITY OF SCRANTON	-0.253	0.025	-0.097	0.026
PA	420710007	LANCASTER CITY	ABRAHAM LINCOLN JR HIGH GROFFTOWN RD	0.124	0.029	0.329	0.029
PA	420730015	NEW CASTLE	CROTON ST & JEFFERSON ST.	0.075	0.022	0.394	0.022
PA	420770004	ALLENTOWN	STATE HOSPITAL REAR 1600 HANOVER AVE	0.272	0.026	0.346	0.026
PA	420791100	NANTICOKE	255 LOWER BROADWAY	0.467	0.026	0.640	0.030
PA	420791101	WILKES-BARRE	CHILWICK & WASHINGTON STS	-0.327	0.022	-0.134	0.024
PA	420850100	NOT IN A CITY	PA518 (NEW CASTLE ROAD) & PA418	0.104	0.022	0.360	0.020
PA	420910013	NORRISTOWN	STATE ARMORY - 1046 BELVOIR RD	-0.404	0.026	0.125	0.027
PA	420990301	NOT IN A CITY	ROUTE 34 LITTLE BUFFALO STATE PARK	-0.284	0.027	-0.441	0.019
PA	421010014	PHILADELPHIA	ROXY WATER PUMP STA EVA-DEARNLEY STS	-0.773	0.017	0.430	0.037
PA	421250200	WASHINGTON	MCCARRELL AND FAYETTE STS	-0.091	0.027	0.444	0.027
PA	421330008	YORK	HILL ST.	0.296	0.021	0.535	0.023
RI	440030002	NOT IN A CITY	W. ALTON JONES CAMPUS URI PARKERFIELD	-0.166	0.019	-0.204	0.021
VA	510130020	NOT IN A CITY	S 18TH AND HAYES ST	-0.347	0.021	-0.109	0.016
VA	510410004	NOT IN A CITY	BEACH,INTERSECTION OF CO.ROADS 655 & 654	-0.454	0.031	-0.081	0.028
VA	510590018	NOT IN A CITY	MT.VERNON 2675 SHERWOOD HALL LANE	-0.631	0.020	-0.377	0.020
VA	510595001	MC LEAN	LEWINSVILLE 1437 BALLS HILL RD	-0.384	0.021	-0.091	0.021
VA	510610002	NOT IN A CITY	RT651 C PHELPS WILDLIFE MANAGEMENT AREA	-1.288	0.029	-1.044	0.023
VA	510870014	NOT IN A CITY	2401 HARTMAN STREET MATH & SCIENCE CTR	-0.645	0.021	-0.206	0.019
VA	511130003	NOT IN A CITY	SHENANDOAH NP BIG MEADOWS	-0.387	0.029	-0.319	0.024
VA	511611004	VINTON	EAST VINTON ELEMENTARY SCHOOL	-0.281	0.036	-0.199	0.027
VA	515100009	ALEXANDRIA	517 N SAINT ASAPH ST, ALEXANDRIA HEALTH TIDEWATER COMM. COLLEGE, FREDERIC	0.041	0.031	0.180	0.028
VA	518000004	SUFFOLK	CAMPUS	-0.825	0.025	-0.074	0.028

Table 3 Raw and Met-adjusted trends in 1-hr ozone concentrations over the OTR for 1995-2005 ozone seasons

STATE	AIRS ID	STATION	LOCATION	RAW TRENDS		MET-ADJUSTED TRENDS	
				Slope (%/yr)	95% CI	Slope (%/yr)	95% CI
CT	090010017	GREENWICH	GREENWICH POINT PARK			-0.288	0.033
CT	090011123	DANBURY	TRAILER, W. CONNECTICUT STATE UNIVERSITY	0.807	0.037	0.506	0.038
CT	090013007	STRATFORD	USCG LIGHTHOUSE , PROSPECT STREET	-0.037	0.034	-0.398	0.035
CT	090031003	EAST HARTFORD	MCAULIFFEE PARK	-0.843	0.036	-0.458	0.017
CT	090070007	MIDDLETOWN	CONN. VALLEY HOSP., SHEW HALL, EASTERN D	0.111	0.033	0.067	0.023
CT	090093002	MADISON	HAMMONASSET STATE PARK	-0.610	0.035	-0.913	0.040
CT	090110008	GROTON	UNIVERSITY OF CONNECTICUT, AVERY POINT	-0.887	0.040	-1.023	0.046
CT	090131001	STAFFORD	ROUTE 190, SHENIPSIT STATE FOREST	-0.259	0.038	-0.250	0.028
DC	110010025	NOT IN A CITY	TAKOMA SC. PINEY BRANCH RD & DAHLIA ST N	-0.917	0.051	-0.459	0.037
ME	230052003	CAPE ELIZABETH	TWO LIGHTS STATE PARK	-1.251	0.037	-1.135	0.034
ME	230312002	NOT IN A CITY	OCEAN AVE/PARSONS WAY, KENNEBUNKPORT	-0.828	0.029	-0.911	0.025
MD	240030014	NOT IN A CITY	QUEEN ANNE AND WAYSON ROADS	-1.987	0.060	-1.460	0.056
MD	240051007	COCKEYSVILLE	GREENSIDE DRIVE COCKEYSVILLE MD	-0.804	0.039	-0.350	0.026
MD	240053001	ESSEX	WOODWARD & DORSEY RDS ,ESSEX MD	-0.324	0.038	0.213	0.032
MD	240130001	NOT IN A CITY	1300 W. OLD LIBERTY ROAD, WINFIELD,MD	-1.212	0.033	-0.698	0.026
MD	240170010	NOT IN A CITY	SO MD CORRECTIONAL CAMP, HUGHESVILLE	-1.542	0.045	-1.171	0.042
MD	240251001	EDGEWOOD	EDGEWOOD ARMY CHEM CENTER EDGEWOOD	-0.737	0.040	-0.154	0.038
MD	240313001	ROCKVILLE	LOTHROP E SMITH ENV.ED CENTER ROCKVILLE	-1.873	0.056	-1.446	0.050
MA	250010002	TRURO	FOX BOTTOM AREA-CAPE COD NAT'L	-0.152	0.030	-0.267	0.030

SEASHORE							
MA	250051002	FAIRHAVEN	LEROY WOOD SCHOOL	-0.145	0.025	-0.268	0.031
MA	250130008	CHICOPEE	ANDERSON ROAD AIR FORCE BASE	0.276	0.044	0.515	0.032
MA	250154002	WARE	QUABBIN SUMMIT	-0.215	0.026	-0.420	0.022
NH	330050007	KEENE	RAILROAD STREET	-0.140	0.097	-0.170	0.089
NH	330190003	CLAREMONT	SOUTH STREET	0.560	0.090	0.550	0.033
NJ	340010005	NOT IN A CITY	BRIGANTINE WILDLIFE REFUGE,NACOTE CREEK	-2.237	0.041	-2.354	0.044
NJ	340070003	NOT IN A CITY	COPEWOOD E. DAVIS STS; TRAILER	0.330	0.044	-0.278	0.040
NJ	340071001	NOT IN A CITY	ANCORA STATE HOSPITAL, ANCORA	-1.046	0.021	-1.292	0.031
NJ	340110007	NOT IN A CITY	LINCOLN AVE.&HIGHWAY 55,NE OF MILLVILLE	-0.653	0.034	-0.324	0.045
NJ	340150002	NOT IN A CITY	CLARKSBORO,SHADY LANE REST HOME	-0.850	0.027	-0.902	0.030
NJ	340170006	BAYONNE	VETERANS PARK ON NEWARK BAY	-0.987	0.035	-1.198	0.036
NJ	340190001	FLEMINGTON	RARITAN STP,RTE.613S, THREE BRIDGES	-0.250	0.026	-0.358	0.026
NJ	340210005	NOT IN A CITY	RIDER COLLEGE;LAWRENCE TOWNSHIP	-0.798	0.035	-1.098	0.034
NJ	340273001	NOT IN A CITY	BLDG.#1, BELL LABS, OFF ROUTE 513	-1.293	0.043	-1.491	0.040
NY	360010012	ALBANY	LOUDONVILLE RESERVOIR	-0.050	0.039	-0.339	0.021
NY	360150003	ELMIRA	SULLIVAN ST., WATER TR. PL.	-0.312	0.045	-0.373	0.042
NY	360290002	AMHERST	AUDUBON GOLF COURSE, MAPLE ROAD	1.091	0.050	1.203	0.047
NY	360310002	NOT IN A CITY	SUMMIT,WHITEFACE MTN,WEATHER STATION	-0.290	0.022	-0.058	0.025
NY	360310003	NOT IN A CITY	BASE WHITEFACE MTN,ASRC,SUNY	-0.479	0.049	-0.701	0.042
NY	360450002	NOT IN A CITY	VADAI ROAD, PERCH RIVER, BROWNVILLE	0.122	0.049	0.047	0.045
NY	360631006	NOT IN A CITY	MIDDLEPORT STP, NORTH HARTLAND RD	0.086	0.035	0.296	0.031
NY	360850067	NEW YORK CITY	SUSAN WAGNER HS	-1.031	0.030	-1.261	0.048
NY	360930003	SCHENECTADY	MT.PLEASANT HS.	0.180	0.042	-0.095	0.028
NY	361030002	BABYLON	EAST FARMINGDALE WATER DIST.,GAZZA BLVD.	-0.706	0.024	-0.958	0.031
NY	361030004	RIVERHEAD	39 SOUND AVENUE,RIVERHEAD	-1.590	0.057	-1.312	0.035
NY	361173001	NOT IN A CITY	WAYNE EDUCATIONAL CENTER, WILLIAMSON	-1.594	0.060	-1.184	0.042
NY	361192004	WHITE PLAINS	WHITE PLAINS PUMP STATION,ORCHARD ST	-0.352	0.048	-0.371	0.042
PA	420030008	PITTSBURGH	BAPC 301 39TH STREET BLDG #7	-1.114	0.042	-0.341	0.046

PA	420030067	NOT IN A CITY	OLD OAKDALE ROAD SOUTH FAYETTE	-0.675	0.053	-0.110	0.049
PA	420070014	BEAVER FALLS	EIGHT STREET AND RIVER ALLEY	-0.968	0.030	-0.262	0.035
PA	420110009	READING	UGI CO MONGANTOWN RD AND PROSPECT ST	-0.398	0.041	-0.310	0.027
PA	420130801	ALTOONA BRISTOL	2ND AVE & 7TH ST	-1.096	0.033	-0.451	0.035
PA	420170012	(BOROUG	ROCKVIEW LANE	-0.886	0.035	-1.164	0.035
PA	420210011	NOT IN A CITY	MILLER AUTO SHOP 1 MESSENGER ST	-0.681	0.050		
PA	420430401	HARRISBURG	1833 UPS DRIVE HARRISBURG PA	-0.378	0.053	-0.190	0.035
PA	420431100	HERSHEY	SIPE AVE & MAE STREET	-0.905	0.041	-0.839	0.036
PA	420450002	CHESTER	FRONT ST & NORRIS ST	-0.868	0.037	-0.762	0.034
PA	420692006	SCRANTON LANCASTER	GEORGE ST TROOP AND CITY OF SCRANTON	-0.902	0.042	-1.131	0.036
PA	420710007	CITY	ABRAHAM LINCOLN JR HIGH GROFFTOWN RD	-0.836	0.038	-1.101	0.028
PA	420730015	NEW CASTLE	CROTON ST & JEFFERSON ST.	-0.697	0.031	-0.529	0.029
PA	420770004	ALLENTOWN	STATE HOSPITAL REAR 1600 HANOVER AVE	-0.516	0.043	-0.557	0.042
PA	420791100	NANTICOKE	255 LOWER BROADWAY	-0.203	0.047	-0.375	0.050
PA	420791101	WILKES-BARRE	CHILWICK & WASHINGTON STS	-0.837	0.038	-1.076	0.031
PA	420850100	NOT IN A CITY	PA518 (NEW CASTLE ROAD) & PA418	-0.641	0.035	-0.518	0.023
PA	420910013	NORRISTOWN	STATE ARMORY - 1046 BELVOIR RD	-1.211	0.040	-1.094	0.037
PA	420990301	NOT IN A CITY	ROUTE 34 LITTLE BUFFALO STATE PARK	-0.937	0.041	-0.888	0.033
PA	421010014	PHILADELPHIA	ROXY WATER PUMP STA EVA-DEARNLEY STS	-1.056	0.027	-1.223	0.022
PA	421010024	PHILADELPHIA	GRANT-ASHTON ROADS PHILA NE AIRPORT	-0.337	0.054	-1.442	0.055
PA	421250005	CHARLEROI	CHARLER01 WASTE TREATMENT PLANT	-1.480	0.052	-0.892	0.058
PA	421250200	WASHINGTON	MCCARRELL AND FAYETTE STS	-0.876	0.044	-0.227	0.048
PA	421330008	YORK	HILL ST.	0.326	0.036	0.159	0.036
RI	440030002	NOT IN A CITY	W. ALTON JONES CAMPUS URI PARKERFIELD	0.044	0.031	-0.128	0.032
VA	510130020	NOT IN A CITY	S 18TH AND HAYES ST	-0.492	0.036		
VA	510410004	NOT IN A CITY	BEACH,INTERSECTION OF CO.ROADS 655 & 654	-1.333	0.039	-0.972	0.040
VA	510590018	NOT IN A CITY	MT.VERNON 2675 SHERWOOD HALL LANE	-0.659	0.036	-0.604	0.037
VA	510595001	MC LEAN	LEWINSVILLE 1437 BALLS HILL RD	-0.164	0.039	0.138	0.038
VA	510610002	NOT IN A CITY	RT651 C PHELPS WILDLIFE MANAGEMENT AREA	-2.029	0.050	-1.963	0.030
VA	510870014	NOT IN A CITY	2401 HARTMAN STREET MATH & SCIENCE CTR	-0.871	0.042	-0.659	0.036

VA	511130003	NOT IN A CITY	SHENANDOAH NP BIG MEADOWS	-1.406	0.044	-1.230	0.029
VA	511611004	VINTON	EAST VINTON ELEMENTARY SCHOOL	-1.186	0.063	-1.099	0.043
VA	515100009	ALEXANDRIA	517 N SAINT ASAPH ST, ALEXANDRIA HEALTH TIDEWATER COMM. COLLEGE, FREDERIC	-0.399	0.048	0.080	0.032
VA	518000004	SUFFOLK	CAMPUS	-0.822	0.047	-0.179	0.049

Table 3 Raw and Met-adjusted trends in 1-hr ozone concentrations over the OTR for 2000-2005 ozone seasons

STATE	AIRS ID	STATION	LOCATION	RAW TRENDS		MET-ADJUSTED TRENDS	
				Slope (%/yr)	95% CI	Slope (%/yr)	95% CI
CT	090010017	GREENWICH	GREENWICH POINT PARK	-0.749	0.096	-1.670	0.051
CT	090011123	DANBURY	TRAILER, W. CONNECTICUT STATE UNIVERSITY	0.750	0.090	-0.111	0.052
CT	090013007	STRATFORD	USCG LIGHTHOUSE , PROSPECT STREET	-0.313	0.088	-1.191	0.060
CT	090031003	EAST HARTFORD	MCAULIFFEE PARK	-0.170	0.110	-0.472	0.039
CT	090070007	MIDDLETOWN	CONN. VALLEY HOSP., SHEW HALL, EASTERN D	-0.333	0.093	-0.486	0.056
CT	090093002	MADISON	HAMMONASSET STATE PARK	-0.994	0.092	-1.786	0.078
CT	090110008	GROTON	UNIVERSITY OF CONNECTICUT, AVERY POINT	-1.237	0.064	-1.830	0.045
CT	090131001	STAFFORD	ROUTE 190, SHENIPSIT STATE FOREST	-0.230	0.110	-0.485	0.059
DC	110010025	NOT IN A CITY	TAKOMA SC. PINEY BRANCH RD & DAHLIA ST N	-0.484	0.081	-1.473	0.054
ME	230052003	CAPE ELIZABETH	TWO LIGHTS STATE PARK	-1.917	0.106	-1.030	0.084
ME	230312002	NOT IN A CITY	OCEAN AVE/PARSONS WAY, KENNEBUNKPORT	-1.108	0.086	-0.978	0.076
MD	240030014	NOT IN A CITY	QUEEN ANNE AND WAYSON ROADS	-2.268	0.103	-2.596	0.112
MD	240051007	COCKEYSVILLE	GREENSIDE DRIVE COCKEYSVILLE MD	-0.814	0.103	-1.377	0.059
MD	240053001	ESSEX	WOODWARD & DORSEY RDS ,ESSEX MD	-0.305	0.123	-0.757	0.080
MD	240130001	NOT IN A CITY	1300 W. OLD LIBERTY ROAD, WINFIELD,MD	-1.578	0.077	-1.961	0.016
MD	240170010	NOT IN A CITY	SO MD CORRECTIONAL CAMP, HUGHESVILLE MD	-1.881	0.058	-3.100	0.061
MD	240251001	EDGEWOOD	EDGEWOOD ARMY CHEM CENTER EDGEWOOD MD	-1.266	0.122	-1.552	0.089
MD	240313001	ROCKVILLE	LOTHROP E SMITH ENV.ED CENTER ROCKVILLE	-2.649	0.116	-3.603	0.108
MA	250010002	TRURO	FOX BOTTOM AREA-CAPE COD NAT'L SEASHORE	0.304	0.064	-0.542	0.054

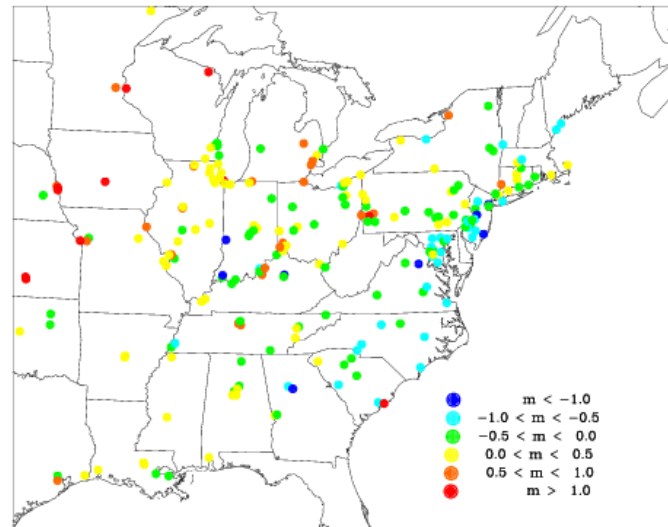
MA	250051002	FAIRHAVEN	LEROY WOOD SCHOOL	-0.942	0.054	-0.961	0.067
MA	250130008	CHICOPEE	ANDERSON ROAD AIR FORCE BASE	-0.369	0.123	0.393	0.083
MA	250154002	WARE	QUABBIN SUMMIT	0.678	0.067		
NH	330050007	KEENE	RAILROAD STREET	0.479	0.093	0.214	0.075
NH	330190003	CLAREMONT	SOUTH STREET	0.361	0.093	0.112	0.081
NJ	340010005	NOT IN A CITY	BRIGANTINE WILDLIFE REFUGE,NACOTE CREEK	-2.644	0.090	-2.813	0.100
NJ	340070003	NOT IN A CITY	COPEWOOD E. DAVIS STS; TRAILER	-0.906	0.128	-2.066	0.089
NJ	340071001	NOT IN A CITY	ANCORA STATE HOSPITAL, ANCORA	-1.359	0.049	-1.871	0.061
NJ	340110007	NOT IN A CITY	LINCOLN AVE.&HIGHWAY 55,NE OF MILLVILLE	-1.517	0.092	-1.541	0.124
NJ	340150002	NOT IN A CITY	CLARKSBORO,SHADY LANE REST HOME	-1.279	0.076	-1.155	0.064
NJ	340170006	BAYONNE	VETERANS PARK ON NEWARK BAY	-1.603	0.077	-2.175	0.038
NJ	340190001	FLEMINGTON	RARITAN STP,RTE.613S, THREE BRIDGES	-0.384	0.073	-0.700	0.050
NJ	340210005	NOT IN A CITY	RIDER COLLEGE;LAWRENCE TOWNSHIP	-1.535	0.086	-2.178	0.075
NJ	340273001	NOT IN A CITY	BLDG.#1, BELL LABS, OFF ROUTE 513	-2.419	0.112	-2.929	0.104
NY	360010012	ALBANY	LOUDONVILLE RESERVOIR			-0.667	0.062
NY	360150003	ELMIRA	SULLIVAN ST., WATER TR. PL.	-2.157	0.100	-2.626	0.073
NY	360290002	AMHERST	AUDUBON GOLF COURSE, MAPLE ROAD	-0.579	0.099	-1.111	0.092
NY	360310002	NOT IN A CITY	SUMMIT,WHITEFACE MTN,WEATHER STATION	-0.206	0.051	-0.357	0.056
NY	360310003	NOT IN A CITY	BASE WHITEFACE MTN,ASRC,SUNY			-0.326	0.121
NY	360450002	NOT IN A CITY	VADAI ROAD, PERCH RIVER, BROWNVILLE	-1.208	0.148	-1.649	0.122
NY	360631006	NOT IN A CITY	MIDDLEPORT STP, NORTH HARTLAND RD	-0.158	0.095	-0.438	0.091
NY	360850067	NEW YORK CITY	SUSAN WAGNER HS, BRIELLE AVE.& MANOR RD,	-1.704	0.064	-2.593	0.076
NY	360930003	SCHENECTADY	MT.PLEASANT HS, NORWOOD AVE.& FOREST RD.	-0.716	0.117	-1.310	0.071
NY	361030002	BABYLON	EAST FARMINGDALE WATER DIST.,GAZZA BLVD.	-0.367	0.061	-0.482	0.080
NY	361030004	RIVERHEAD	39 SOUND AVENUE,RIVERHEAD	-0.714	0.128	-0.543	0.070
NY	361173001	NOT IN A CITY	WAYNE EDUCATIONAL CENTER, WILLIAMSON	-3.545	0.125	-2.090	0.082
NY	361192004	WHITE PLAINS	WHITE PLAINS PUMP STATION,ORCHARD STREET	-0.631	0.158	-1.199	0.115
NY	360130006	DUNKIRK	STP LAKESIDE BLD DUNKIRK	-1.019	0.048	-1.297	0.032

NY	360130011	NOT IN A CITY	TOWN OF WESTFIELD	-1.004	0.068	-0.714	0.071
NY	360270007	NOT IN A CITY	VILLAGE OF MILLBROOK	-1.980	0.125	-2.539	0.085
NY	360715001	NOT IN A CITY	1175 ROUTE 17K, MONTGOMERY	0.899	0.057	0.639	0.032
NY	360790005	NOT IN A CITY	NYSDEC FIELD HQTRS GYPSY TRAIL ROAD	-0.247	0.121	-0.739	0.079
PA	420030008	PITTSBURGH	BAPC 301 39TH STREET BLDG #7	-2.115	0.093	-2.154	0.090
PA	420030067	NOT IN A CITY	OLD OAKDALE ROAD SOUTH FAYETTE	-1.333	0.077	-1.409	0.030
PA	420070014	BEAVER FALLS	EIGHT STREET AND RIVER ALLEY	-1.497	0.061	-1.646	0.031
PA	420110009	READING	UGI CO MONGANTOWN RD AND PROSPECT ST	-0.237	0.105	-1.184	0.059
PA	420130801	ALTOONA	2ND AVE & 7TH ST	-1.356	0.073	-1.378	0.056
PA	420170012	BRISTOL (BOROUG	ROCKVIEW LANE	-2.197	0.086	-3.095	0.060
PA	420210011	NOT IN A CITY	MILLER AUTO SHOP 1 MESSENGER ST	-1.941	0.064	-2.058	0.044
PA	420430401	HARRISBURG	1833 UPS DRIVE HARRISBURG PA	0.709	0.122		
PA	420431100	HERSHEY	SIPE AVE & MAE STREET	-1.675	0.109	-2.838	0.071
PA	420450002	CHESTER	FRONT ST & NORRIS ST	-0.335	0.110	-0.091	0.050
PA	420692006	SCRANTON	GEORGE ST TROOP AND CITY OF SCRANTON	-1.071	0.121	-2.145	0.080
PA	420710007	LANCASTER CITY	ABRAHAM LINCOLN JR HIGH GROFFTOWN RD	-0.273	0.090	-1.212	0.031
PA	420730015	NEW CASTLE	CROTON ST & JEFFERSON ST.	0.131	0.072	0.182	0.072
PA	420770004	ALLENTOWN	STATE HOSPITAL REAR 1600 HANOVER AVE	-1.201	0.080	-2.283	0.056
PA	420791100	NANTICOKE	255 LOWER BROADWAY(NEXT TO LEON&EDDY'S)	-2.157	0.106	-3.038	0.084
PA	420791101	WILKES-BARRE	CHILWICK & WASHINGTON STS	-0.257	0.112	-1.430	0.081
PA	420850100	NOT IN A CITY	PA518 (NEW CASTLE ROAD) & PA418	-0.667	0.092	-0.680	0.059
PA	420910013	NORRISTOWN	STATE ARMORY - 1046 BELVOIR RD	-2.263	0.082	-2.191	0.033
PA	420990301	NOT IN A CITY	ROUTE 34 LITTLE BUFFALO STATE PARK	-0.838	0.115	-1.120	0.047
PA	421010014	PHILADELPHIA	ROXY WATER PUMP STA EVA-DEARNLEY STS	-0.741	0.077	-0.963	0.030
PA	421010024	PHILADELPHIA	GRANT-ASHTON ROADS PHILA NE AIRPORT	0.339	0.122	-2.539	0.169
PA	421250005	CHARLEROI	CHARLER01 WASTE TREATMENT PLANT	-1.514	0.068	-1.750	0.047
PA	421250200	WASHINGTON	MCCARRELL AND FAYETTE STS	-2.408	0.086	-2.456	0.059
PA	421330008	YORK	HILL ST.	0.370	0.076	-0.409	0.011
RI	440030002	NOT IN A CITY	W. ALTON JONES CAMPUS URI PARKERFIELD WE	-0.980	0.085	-1.434	0.074



VA	510130020	NOT IN A CITY	S 18TH AND HAYES ST	-0.310	0.101	-1.544	0.062
VA	510410004	NOT IN A CITY	BEACH,INTERSECTION OF CO.ROADS 655 & 654	-2.087	0.057	-2.585	0.055
VA	510590018	NOT IN A CITY	MT.VERNON 2675 SHERWOOD HALL LANE	-1.402	0.062	-1.770	0.041
VA	510595001	MC LEAN	LEWINSVILLE 1437 BALLS HILL RD	-0.939	0.100	-1.553	0.065
VA	510610002	NOT IN A CITY	RT651 C PHELPS WILDLIFE MANAGEMENT AREA	-2.613	0.077	-3.255	0.033
VA	510870014	NOT IN A CITY	2401 HARTMAN STREET MATH & SCIENCE CTR	-1.367	0.093	-2.160	0.053
VA	511130003	NOT IN A CITY	SHENANDOAH NP BIG MEADOWS	-1.848	0.060	-1.629	0.068
VA	511611004	VINTON	EAST VINTON ELEMENTARY SCHOOL	-3.062	0.081	-3.146	0.035
VA	515100009	ALEXANDRIA	517 N SAINT ASAPH ST, ALEXANDRIA HEALTH			-0.982	0.091
VA	518000004	SUFFOLK	TIDEWATER COMM. COLLEGE, FREDERIC CAMPUS	-2.007	0.049	-0.779	0.034

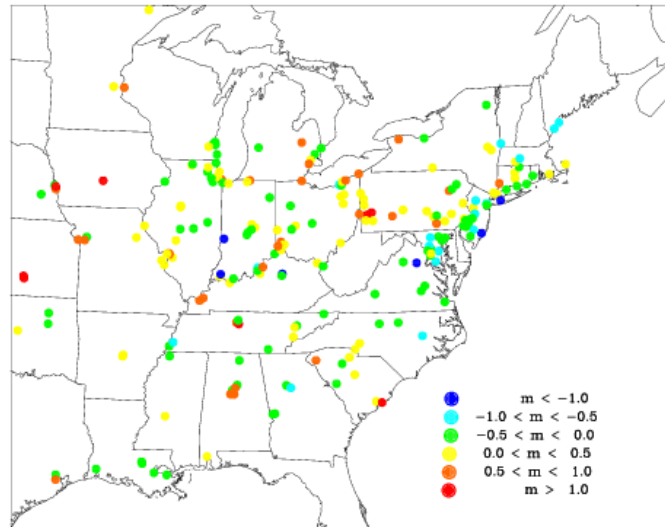
Linear Trends in Long-Term Daily Maximum  
Ozone at AIRS Sites  
(1990-2005, Raw Data)



(Only trends significant at the 95% confidence level are shown.)

Figure 1a

Linear Trends in Long-Term Daily Maximum  
Ozone at AIRS Sites  
(1990-2005, Met-Adjusted Data)



(Only trends significant at the 95% confidence level are shown.)

Figure 1b