

Supplementary Materials: Observed Relationship between Ozone and Temperature for Urban Nonattainment Areas in the United States

Matthew Ninneman and Daniel Jaffe

Table S1. List of urban nonattainment areas (NAAs), O₃ monitoring sites, and meteorological data sources used in this analysis. The region of the U.S. where the urban NAAs are located, the Air Quality System (AQS) O₃ monitor IDs, and the Global Historical Climatology Network daily (GHCNd) IDs are given in parentheses.

Urban NAA (Region)	O ₃ monitoring site name (AQS O ₃ monitor ID)	Meteorological site name (GHCNd ID)
Atlanta, GA (East U.S.)	United Avenue (13-121-0055)	Atlanta Hartsfield International Airport (USW00013874)
Baltimore, MD (East U.S.)	Edgewood (24-025-1001)	Baltimore Washington International Airport (USW00093721)
Hartford, CT (East U.S.)	N/A (09-013-1001)	Hartford Brainard Field (USW00014752)
New York, NY (East U.S.)	Sherwood Island Connector (09-001-9003)	JFK International Airport (USW00094789)
Philadelphia, PA (East U.S.)	N/A (42-017-0012)	Philadelphia International Airport (USW00013739)
Washington, D.C. (East U.S.)	McMillan (11-001-0043)	Washington Reagan Airport (USW00013743)
Chicago, IL (Midwest U.S.)	Chiwaukee Prairie (55-059-0019)	Chicago O'Hare International Airport (USW00094846)
Cincinnati, OH (Midwest U.S.)	Sycamore (39-061-0006)	Cincinnati Northern Kentucky International Airport (USW00093814)
Cleveland, OH (Midwest U.S.)	Eastlake (39-085-0003)	Cleveland Hopkins International Airport (USW00014820)
Detroit, MI (Midwest U.S.)	East 7 Mile (26-163-0019)	Detroit City Airport (USW00014822)
Milwaukee, WI (Midwest U.S.)	Harrington Beach Park (55-089-0009)	Milwaukee Mitchell Airport (USW00014839)
Bakersfield, CA (West U.S.)	Mojave (06-029-0011)	Bakersfield Airport (USW00023155)
Las Vegas, NV (West U.S.)	Joe Neal (32-003-0075)	McCarran International Airport (USW00023169)
Los Angeles, CA (West U.S.)	Azusa (06-037-0002)	Los Angeles International Airport (USW00023174)
Salt Lake City, UT (West U.S.)	Hawthorne (49-035-3006)	Salt Lake City International Airport (USW00024127)

Urban NAA (Region)	O ₃ monitoring site name (AQS O ₃ monitor ID)	Meteorological site name (GHCNd ID)
Phoenix-Mesa, AZ (West U.S.)	North Phoenix (04-013-1004)	Phoenix Airport (USW00023183)
Riverside, CA (West U.S.)	San Bernardino (06-071-9004)	Riverside Fire Station 3 [1995–1998, 2007–2008] (USC00047470) Riverside Municipal Airport [1999–2006, 2009–2020] (USW00003171)
Sacramento, CA (West U.S.)	Sacramento-1309 T Street (06-067-0010)	Sacramento Executive Airport (USW00023232)
San Diego, CA (West U.S.)	Alpine (06-073-1006)	San Diego International Airport (USW00023188)
San Francisco, CA (West U.S.)	Livermore (06-001-0007)	San Francisco International Airport (USW00023234)

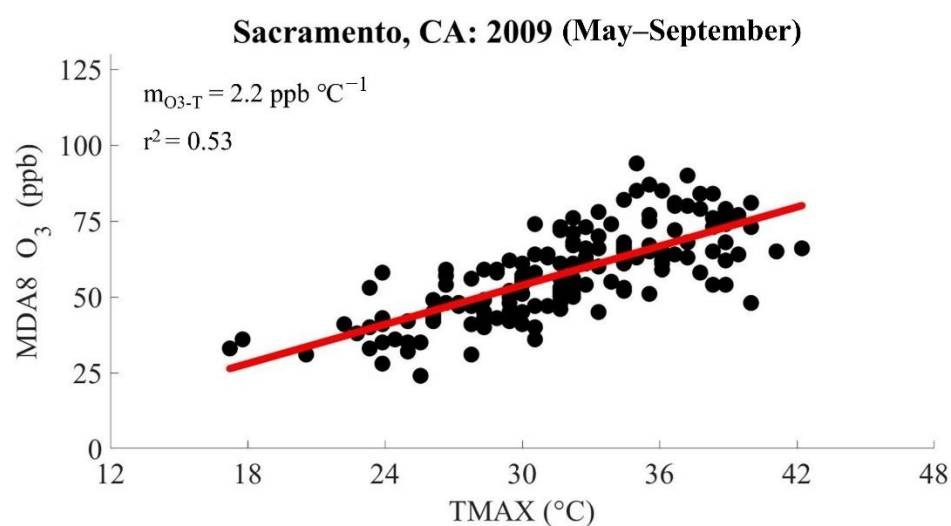


Figure S1. Example plot of maximum daily 8-hour average (MDA8) O₃ (ppb) versus daily maximum temperature (TMAX; °C) for Sacramento, CA in May–September 2009. The slope (m_{O_3-T} ; ppb °C^{−1}) and the coefficient of determination (r^2) are also shown.