Effects of Independence Day Fireworks on Atmospheric Concentrations of Find Particulate Matter in the United States

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Supplementary Data

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Map of Air Quality Monitoring Sites

Explanation of Site Classification

Air Quality System (AQS) data are classified using 15-digit site ID numbers, and each monitoring instrument is associated with a unique site ID. The first five digits of a site ID refer to the AQS parameter, either 88101 or 88502, which refer to different types of instrumentation and use by the US Environmental Protection Agency (see table below.) The next five digits refer to the state and county FIPS codes. The next four digits are specific to the station. The final digit, usually a 1, 3, or 4, refers to the specific measurement instrument ("POC"); because some sites have more than one PM2.5 monitoring instrument.

Ex: 88101 18 - 105 - 0003 - 3

Site ID and POC

AQS parameter

State and county FIPS codes

Parameter Name	Parameter Code	Purpose	Notes
PM2.5 Local Conditions	88101	Appropriate code for all FRM/FEM/ARMs	Original code for PM2.5 at local conditions
Acceptable PM2.5 AQI & Speciation Mass	88502	Valid data that does reasonably match the FRM with or without correction, but not to be used in NAAQS decisions	Introduced in 2006

Table adapted from: "Technical Note on Reporting PM2/5 Continuous Monitoring and Speciation Data to the Air Quality System (AQS) 6/01/2006 <http://www.epa.gov/ttn/airs/airsaqs/memos/PM-cont-Reporting-Tech-Note-053106.pdf>

List of Sites, by State, with Links to Results

Alabama (01)
88502 01-073-0023-3
88502 01-073-1005-3
88502 01-073-1009-3
88502 01-073-1010-3
88502 01-073-2003-3
88502 01-073-2006-3
88502 01-073-5002-3
88502 01-073-5003-3

Alaska (02)
88101 02-110-0004-3
88101 02-170-0012-3
88502 02-090-0010-3

Arkansas (05)
88502 05-119-0007-3

California (06)
88101 06-009-0001-3
88101 06-019-2009-3
88101 06-019-5001-3
88101 06-023-1005-1
88101 06-037-1002-3
88101 06-059-0007-3
88101 06-065-8005-3
88101 06-073-1002-3
88101 06-073-1201-1
88101 06-079-2004-1
88101 06-079-8001-3
88101 06-083-0011-3
88101 06-099-0006-3
88502 06-001-0007-1
88502 06-037-0016-3
88502 06-037-1201-3
88502 06-037-6012-3
88502 06-065-0012-3
88502 06-065-0016-3
88502 06-065-9001-3
88502 06-071-0005-3
88502 06-071-1004-3
88502 06-075-0005-1
88502 06-085-0005-1
88502 06-095-0004-1

Washington D.C. (11)
88101 11-001-0043-4
88502 11-001-0043-3

Florida (12)
88502 12-011-0033-3
88502 12-011-1002-3
88502 12-069-0003-3
88502 12-086-1016-3
88502 12-086-6001-3
88502 12-095-2002-3
88502 12-127-5002-3

Georgia (13)
88502 13-021-0012-3
88502 13-059-0002-3
88502 13-077-0002-3
88502 13-089-0002-3
88502 13-115-0003-3
88502 13-121-0055-3
88502 13-135-0002-3
88502 13-151-0002-3
88502 13-185-0003-3
88502 13-215-0008-3
88502 13-223-0003-3
88502 13-245-0091-3
88502 13-295-0002-3

Hawaii (15)
88101 15-001-1006-1
88101 15-001-1012-1
88101 15-001-2016-1
88101 15-003-0010-1
88101 15-003-1001-3
88101 15-003-1004-2
88101 15-009-0006-2

Idaho (16)
88502 16-009-0011-3
88502 16-049-0002-3
88502 16-057-0005-3
88502 16-077-0011-3
88502 16-083-0010-3

Illinois (17)
88502 17-031-0001-3
88502 17-031-0022-3
88502 17-031-0057-3
88502 17-031-0076-3
88502 17-031-4201-3
88502 17-031-6006-3
88502 17-043-4002-3
88502 17-111-0001-3

Indiana (18)
88101 18-105-0003-3
88101 18-141-0015-3
88101 18-157-0008-3
88101 18-157-0008-4
88101 18-163-0021-3
88101 18-167-0018-3
88101 18-183-0003-3
88502 18-089-0022-3
88502 18-097-0078-3

Iowa (19)
88502 19-013-0009-3
88502 19-045-0019-3
88502 19-045-0019-4
88502 19-045-0021-3
88502 19-045-0021-4
88502 19-103-2001-3
88502 19-113-0040-1
88502 19-153-0030-1
88502 19-163-0019-3
88502 19-163-0019-4
88502 19-163-0020-3
88502 19-163-0020-4

Kansas (20)
88502 20-209-0021-3

Kentucky (21)
88101 21-111-0067-3
88502 21-019-0017-3
88502 21-059-0005-3
88502 21-067-0012-3
88502 21-093-0006-3
88502 21-101-0014-3
88502 21-117-0007-3
88502 21-145-1024-3
88502 21-193-0003-3
88502 21-195-0002-3
88502 21-227-0008-3

Louisiana (22)
88502 22-015-0008-3
88502 22-019-0008-3
88502 22-033-0009-3
88502 22-033-0013-3
88502 22-051-1001-3
88502 22-055-0007-1
88502 22-057-0004-3
88502 22-063-0002-3
88502 22-071-0012-3
88502 22-073-0004-1
88502 22-103-0002-3
88502 22-121-0001-1
88502 22-121-0001-3

Maine (23)
88502 23-003-1100-3
88502 23-009-0103-3
88502 23-019-0002-1

Maryland (24)
88101 24-015-0003-3
88101 24-510-0040-3
88502 24-510-0040-3

Massachusetts (25)
88502 25-005-1004-3
88502 25-009-2006-3
88502 25-015-4002-3
88502 25-021-3003-3
88502 25-025-0042-3
88502 25-025-0043-3
88502 25-027-0023-3

Minnesota (27)
88502 27-003-1002-3
88502 27-037-0470-3
88502 27-053-0963-3
88502 27-123-0871-3
88502 27-145-3052-3
88502 27-171-3201-3

Mississippi (28)
88502 28-011-0001-3
88502 28-033-0002-3
88502 28-047-0008-3
88502 28-049-0010-3
88502 28-049-0018-3
88502 28-075-0003-3
88502 28-081-0005-3

Missouri (29)
88502 29-021-0005-3
88502 29-039-0001-3
88502 29-095-0034-3
88502 29-189-3001-3
88502 29-510-0085-3

Montana (30)
88101 30-063-0024-3
88101 30-063-0037-3
88101 30-081-0007-3
88101 30-093-0005-3
88502 30-031-0017-3
88502 30-031-0019-3

Nevada (32)
88502 32-003-0020-3
88502 32-003-0298-3
88502 32-003-1019-3
88502 32-003-2002-3

New Jersey (34)
88502 34-003-0004-3
88502 34-019-0001-3
88502 34-023-0006-3
88502 34-039-0004-3
88502 34-039-2003-3

New Mexico (35)
88502 35-001-0029-3
88502 35-001-1013-3
88502 35-013-0016-3
88502 35-013-0017-3
88502 35-013-0021-3
88502 35-013-0022-3
88502 35-015-1005-3
88502 35-025-0008-3
88502 35-049-0020-3
88502 35-049-0021-3
88502 35-055-0005-3
88502 35-061-0008-3

New York (36)
88502 36-001-0005-3
88502 36-005-0112-3
88502 36-005-0113-3
88502 36-029-0005-3
88502 36-029-1013-3
88502 36-029-1014-3
88502 36-031-0003-3
88502 36-047-0052-3
88502 36-047-0118-3
88502 36-055-1007-3
88502 36-059-0005-3
88502 36-061-0119-3
88502 36-061-0125-3
88502 36-061-0128-3
88502 36-061-0134-3
88502 36-061-0135-3
88502 36-063-2008-3
88502 36-065-2001-3
88502 36-071-0002-3
88502 36-081-0120-3
88502 36-085-0114-3
88502 36-087-0005-3
88502 36-119-2004-3

North Carolina (37)
88502 37-001-0002-3
88502 37-021-0034-3
88502 37-035-0004-3
88502 37-051-0009-3
88502 37-057-0002-3
88502 37-063-0015-3
88502 37-067-0030-3
88502 37-081-0013-3
88502 37-111-0004-3
88502 37-159-0021-3
88502 37-191-0005-3

North Dakota (38)
88101 38-015-0003-3

Ohio (39)
88101 39-049-0029-3

Oklahoma (40)
88502 40-019-0297-3
88502 40-031-0651-3
88502 40-043-0860-3
88502 40-109-1037-3
88502 40-115-9004-3
88502 40-143-0174-3
88502 40-143-1127-3

Oregon (41)
88502 41-005-0004-3
88502 41-005-0102-3
88502 41-009-0004-3
88502 41-013-0100-3
88502 41-017-0004-3
88502 41-017-0120-3
88502 41-051-0080-3
88502 41-051-0246-3
88502 41-067-0004-3
88502 41-067-0111-3

Pennsylvania (42)
88101 42-001-0001-3
88101 42-005-0001-3
88101 42-013-0801-3
88101 42-017-0012-3
88101 42-021-0011-3
88101 42-027-0100-3
88101 42-029-0100-3
88101 42-043-0401-3
88101 42-045-0002-3
88101 42-049-0003-3
88101 42-069-2006-3
88101 42-071-0007-3
88101 42-095-0025-3
88101 42-129-0008-3
88101 42-133-0008-3
88502 42-101-0024-1

South Dakota (46)
88101 46-071-0001-3
88101 46-099-0008-3
88101 46-103-0020-3
88101 46-127-0001-3
88101 46-127-0002-3

Tennessee (47)
88502 47-037-0023-3
88502 47-157-0024-3
88502 47-157-0038-3

Texas (48)
88502 48-113-0069-3
88502 48-121-0034-3
88502 48-139-0016-3
88502 48-139-1044-3
88502 48-167-1034-3
88502 48-201-0024-3
88502 48-201-0026-3
88502 48-201-0416-3
88502 48-201-1034-3
88502 48-201-1035-3
88502 48-201-1039-3
88502 48-201-1042-3
88502 48-201-1050-3
88502 48-257-0005-3
88502 48-339-0078-3
88502 48-439-1006-3
88502 48-439-3011-3

Utah (49)

88101 49-053-0130-1
88502 49-003-0003-3
88502 49-005-0004-3
88502 49-035-3006-3
88502 49-045-0003-3
88502 49-047-2002-1
88502 49-049-0002-3
88502 49-049-4001-3
88502 49-057-0002-3

Vermont (50)

88502 50-021-0002-3

Washington (53)

88502 53-011-0013-3
88502 53-011-0013-4
88502 53-011-0022-4
88502 53-033-0017-3
88502 53-033-0017-4
88502 53-033-0023-4
88502 53-033-0024-3
88502 53-033-0024-4
88502 53-033-0037-4
88502 53-033-0048-4
88502 53-033-0057-3
88502 53-033-0080-3
88502 53-033-0080-4
88502 53-033-1011-4
88502 53-033-2004-3
88502 53-045-0004-4
88502 53-053-0022-4
88502 53-053-0029-3
88502 53-053-0031-3
88502 53-053-0031-4
88502 53-053-1018-4
88502 53-057-0015-4
88502 53-061-0005-3
88502 53-061-0005-4
88502 53-061-1007-3
88502 53-067-0013-4

West Virginia (54)

88502 54-051-1002-3

Wyoming (56)

88101 56-035-0101-1

Collocated Site Comparisons

88101 11-001-0043-4 / 88502 11-001-0043-3
88101 18-157-0008-3 / 88101 18-157-0008-4
88502 19-045-0019-3 / 88502 19-045-0019-4
88502 19-045-0021-3 / 88502 19-045-0021-4
88502 19-163-0019-3 / 88502 19-163-0019-4
88502 19-163-0020-3 / 88502 19-163-0020-4
88502 22-121-0001-1 / 88502 22-121-0001-3
88101 24-510-0040-3 / 88502 24-510-0040-3
88502 53-011-0013-3 / 88502 53-011-0013-4
88502 53-033-0017-3 / 88502 53-033-0017-4
88502 53-033-0024-3 / 88502 53-033-0024-4
88502 53-033-0080-3 / 88502 53-033-0080-4
88502 53-053-0031-3 / 88502 53-053-0031-4
88502 53-061-0005-3 / 88502 53-061-0005-4

List of Site Location Coordinates

Site ID	Latitude	Longitude
88502 01-073-0023-3	33.553056	-86.815
88502 01-073-1005-3	33.331111	-87.003611
88502 01-073-1009-3	33.459722	-87.305556
88502 01-073-1010-3	33.545278	-86.549167
88502 01-073-2003-3	33.499722	-86.924167
88502 01-073-2006-3	33.386389	-86.816667
88502 01-073-5002-3	33.704722	-86.669167
88502 01-073-5003-3	33.801667	-86.9425
88101 02-110-0004-3	58.388497	-134.567237
88101 02-170-0012-3	61.598898	-149.10622
88502 02-090-0010-3	64.840672	-147.722461
88502 05-119-0007-3	34.756189	-92.281296
88101 06-009-0001-3	38.201852	-120.681567
88101 06-019-2009-3	36.634225	-120.382331
88101 06-019-5001-3	36.819111	-119.717356
88101 06-023-1005-1	40.71528	-124.20139
88101 06-037-1002-3	34.17605	-118.31712
88101 06-059-0007-3	33.83062	-117.93845
88101 06-065-8005-3	33.995638	-117.493304
88101 06-073-1002-3	33.127711	-117.075325
88101 06-073-1201-1	33.362593	-117.09023
88101 06-079-2004-1	35.02083	-120.56388
88101 06-079-8001-3	35.49158	-120.66804
88101 06-083-0011-3	34.427775	-119.691218
88101 06-099-0006-3	37.487981	-120.837005
88502 06-001-0007-1	37.687526	-121.784217
88502 06-037-0016-3	34.14435	-117.85036
88502 06-037-1201-3	34.19925	-118.53276
88502 06-037-6012-3	34.38344	-118.5284
88502 06-065-0012-3	33.92086	-116.85841

Site ID	Latitude	Longitude
88502 06-065-0016-3	33.583333	-117.083333
88502 06-065-9001-3	33.67649	-117.33098
88502 06-071-0005-3	34.2431	-117.27235
88502 06-071-1004-3	34.10374	-117.62914
88502 06-075-0005-1	37.765946	-122.399044
88502 06-085-0005-1	37.348497	-121.894898
88502 06-095-0004-1	38.102507	-122.237976
88101 11-001-0043-4	38.921847	-77.013178
88502 11-001-0043-3	38.921847	-77.013178
88502 12-011-0033-3	26.073536	-80.33845
88502 12-011-1002-3	26.083143	-80.237586
88502 12-069-0003-3	29.014	-81.64119
88502 12-086-1016-3	25.794222	-80.215556
88502 12-086-6001-3	25.471944	-80.482778
88502 12-095-2002-3	28.596389	-81.3625
88502 12-127-5002-3	29.206667	-81.0525
88502 13-021-0012-3	32.805408	-83.543521
88502 13-059-0002-3	33.918067	-83.344495
88502 13-077-0002-3	33.40404	-84.745988
88502 13-089-0002-3	33.68797	-84.29048
88502 13-115-0003-3	34.26054	-85.32333
88502 13-121-0055-3	33.720192	-84.357056
88502 13-135-0002-3	33.96127	-84.06901
88502 13-151-0002-3	33.433575	-84.161708
88502 13-185-0003-3	30.848056	-83.294444
88502 13-215-0008-3	32.521302	-84.944795
88502 13-223-0003-3	33.9285	-85.04534
88502 13-245-0091-3	33.433349	-82.022217
88502 13-295-0002-3	34.97889	-85.30098
88101 15-001-1006-1	19.717562	-155.11053

Site ID	Latitude	Longitude
88101 15-001-1012-1	19.509778	-155.913417
88101 15-001-2016-1	19.2039	-155.480183
88101 15-003-0010-1	21.323745	-158.088613
88101 15-003-1001-3	21.30758	-157.85542
88101 15-003-1004-2	21.303382	-157.871171
88101 15-009-0006-2	20.780997	-156.446373
88502 16-009-0011-3	47.338702	-116.884614
88502 16-049-0002-3	45.931389	-116.115278
88502 16-057-0005-3	46.721932	-116.95918
88502 16-077-0011-3	42.9125	-112.535556
88502 16-083-0010-3	42.564097	-114.4462
88502 17-031-0001-3	41.670992	-87.732457
88502 17-031-0022-3	41.687165	-87.539315
88502 17-031-0057-3	41.912862	-87.722723
88502 17-031-0076-3	41.7514	-87.713488
88502 17-031-4201-3	42.139996	-87.799227
88502 17-031-6006-3	41.872897	-87.825872
88502 17-043-4002-3	41.771071	-88.152534
88502 17-111-0001-3	42.221442	-88.242207
88101 18-105-0003-3	39.159383	-86.504762
88101 18-141-0015-3	41.696692	-86.214683
88101 18-157-0008-3	40.431639	-86.8525
88101 18-157-0008-4	40.431639	-86.8525
88101 18-163-0021-3	38.013248	-87.577856
88101 18-167-0018-3	39.48615	-87.401398
88101 18-183-0003-3	41.169646	-85.629292
88502 18-089-0022-3	41.60668	-87.304729
88502 18-097-0078-3	39.811097	-86.114469
88502 19-013-0009-3	42.501543	-92.316017
88502 19-045-0019-3	41.823283	-90.211982

Site ID	Latitude	Longitude
88502 19-045-0019-4	41.823283	-90.211982
88502 19-045-0021-3	41.874999	-90.177574
88502 19-045-0021-4	41.874999	-90.177574
88502 19-103-2001-3	41.657232	-91.503478
88502 19-113-0040-1	41.97677	-91.68766
88502 19-153-0030-1	41.603159	-93.643118
88502 19-163-0019-3	41.517772	-90.618755
88502 19-163-0019-4	41.517772	-90.618755
88502 19-163-0020-3	41.512077	-90.624044
88502 19-163-0020-4	41.512077	-90.624044
88502 20-209-0021-3	39.117219	-94.635605
88101 21-111-0067-3	38.22876	-85.65452
88502 21-019-0017-3	38.45934	-82.64041
88502 21-059-0005-3	37.780776	-87.075307
88502 21-067-0012-3	38.06503	-84.49761
88502 21-093-0006-3	37.705612	-85.852629
88502 21-101-0014-3	37.8712	-87.46375
88502 21-117-0007-3	39.0725	-84.525
88502 21-145-1024-3	37.05822	-88.57251
88502 21-193-0003-3	37.28329	-83.20932
88502 21-195-0002-3	37.4826	-82.53532
88502 21-227-0008-3	37.035438	-86.250628
88502 22-015-0008-3	32.53626	-93.74891
88502 22-019-0008-3	30.261667	-93.284167
88502 22-033-0009-3	30.46198	-91.17922
88502 22-033-0013-3	30.700921	-91.056135
88502 22-051-1001-3	30.043573	-90.275091
88502 22-055-0007-1	30.2175	-92.051389
88502 22-057-0004-3	29.763889	-90.765183
88502 22-063-0002-3	30.3125	-90.8125

Site ID	Latitude	Longitude
88502 22-071-0012-3	29.994444	-90.102778
88502 22-073-0004-1	32.509713	-92.046093
88502 22-103-0002-3	30.429304	-90.199683
88502 22-121-0001-1	30.500643	-91.213556
88502 22-121-0001-3	30.500643	-91.213556
88502 23-003-1100-3	46.696431	-68.033006
88502 23-009-0103-3	44.37705	-68.2609
88502 23-019-0002-1	44.79886	-68.769675
88101 24-015-0003-3	39.701111	-75.86
88101 24-510-0040-3	39.298056	-76.604722
88502 24-510-0040-3	39.298056	-76.604722
88502 25-005-1004-3	41.685707	-71.169235
88502 25-009-2006-3	42.474642	-70.970816
88502 25-015-4002-3	42.298493	-72.334079
88502 25-021-3003-3	42.211774	-71.11397
88502 25-025-0042-3	42.3295	-71.0826
88502 25-025-0043-3	42.3631	-71.0543
88502 25-027-0023-3	42.263955	-71.794322
88502 27-003-1002-3	45.13768	-93.207615
88502 27-037-0470-3	44.73846	-93.23725
88502 27-053-0963-3	44.95366	-93.25821
88502 27-123-0871-3	44.95939	-93.03587
88502 27-145-3052-3	45.549839	-94.13345
88502 27-171-3201-3	45.20916	-93.66921
88502 28-011-0001-3	33.746056	-90.723028
88502 28-033-0002-3	34.82166	-89.98783
88502 28-047-0008-3	30.390369	-89.049778
88502 28-049-0010-3	32.385731	-90.1412
88502 28-049-0018-3	32.296806	-90.188306
88502 28-075-0003-3	32.364565	-88.731491

Site ID	Latitude	Longitude
88502 28-081-0005-3	34.264917	-88.766222
88502 29-021-0005-3	39.741694	-94.858584
88502 29-039-0001-3	37.69	-94.035
88502 29-095-0034-3	39.104758	-94.570796
88502 29-189-3001-3	38.650259	-90.350463
88502 29-510-0085-3	38.656498	-90.198646
88101 30-063-0024-3	46.842181	-114.021499
88101 30-063-0037-3	47.012907	-114.224273
88101 30-081-0007-3	46.243621	-114.158889
88101 30-093-0005-3	46.002602	-112.501247
88502 30-031-0017-3	44.657014	-111.089618
88502 30-031-0019-3	45.683765	-111.056282
88502 32-003-0020-3	36.245278	-115.092222
88502 32-003-0298-3	36.04874	-115.052881
88502 32-003-1019-3	35.785671	-115.357048
88502 32-003-2002-3	36.19126	-115.12293
88502 34-003-0004-3	40.854583	-73.967772
88502 34-019-0001-3	40.515262	-74.806671
88502 34-023-0006-3	40.472825	-74.422403
88502 34-039-0004-3	40.64144	-74.208365
88502 34-039-2003-3	40.603943	-74.276174
88502 35-001-0029-3	35.01708	-106.65739
88502 35-001-1013-3	35.19324	-106.613815
88502 35-013-0016-3	32.003611	-106.599167
88502 35-013-0017-3	31.795833	-106.5575
88502 35-013-0021-3	31.796111	-106.583889
88502 35-013-0022-3	31.787778	-106.682778
88502 35-015-1005-3	32.38	-104.262222
88502 35-025-0008-3	32.726656	-103.122917
88502 35-049-0020-3	35.671111	-105.953611

Site ID	Latitude	Longitude
88502 35-049-0021-3	35.61975	-106.07968
88502 35-055-0005-3	36.383333	-105.583333
88502 35-061-0008-3	34.8147	-106.7396
88502 36-001-0005-3	42.64225	-73.75464
88502 36-005-0112-3	40.81551	-73.88553
88502 36-005-0113-3	40.80833	-73.92612
88502 36-029-0005-3	42.876907	-78.809526
88502 36-029-1013-3	42.98844	-78.91859
88502 36-029-1014-3	42.99813	-78.89926
88502 36-031-0003-3	44.39308	-73.8589
88502 36-047-0052-3	40.64182	-74.01871
88502 36-047-0118-3	40.69454	-73.92769
88502 36-055-1007-3	43.14618	-77.54817
88502 36-059-0005-3	40.74316	-73.58549
88502 36-061-0119-3	40.81133	-73.95321
88502 36-061-0125-3	40.71163	-74.00535
88502 36-061-0128-3	40.73	-73.98446
88502 36-061-0134-3	40.71436	-73.99518
88502 36-061-0135-3	40.81976	-73.94825
88502 36-063-2008-3	43.08218	-79.00106
88502 36-065-2001-3	43.09892	-75.22506
88502 36-071-0002-3	41.49916	-74.00885
88502 36-081-0120-3	40.72698	-73.89313
88502 36-085-0114-3	40.63137	-74.15732
88502 36-087-0005-3	41.18208	-74.02819
88502 36-119-2004-3	41.05192	-73.76366
88502 37-001-0002-3	36.089004	-79.407821
88502 37-021-0034-3	35.6075	-82.583333
88502 37-035-0004-3	35.728889	-81.365556
88502 37-051-0009-3	35.041416	-78.953112

Site ID	Latitude	Longitude
88502 37-057-0002-3	35.814444	-80.2625
88502 37-063-0015-3	36.032944	-78.905417
88502 37-067-0030-3	36.026	-80.342
88502 37-081-0013-3	36.100711	-79.810456
88502 37-111-0004-3	35.6875	-81.993889
88502 37-159-0021-3	35.551868	-80.395039
88502 37-191-0005-3	35.369214	-77.993893
88101 38-015-0003-3	46.825425	-100.76821
88101 39-049-0029-3	40.0845	-82.81552
88502 40-019-0297-3	34.257125	-97.474341
88502 40-031-0651-3	34.63298	-98.42879
88502 40-043-0860-3	36.158414	-98.931973
88502 40-109-1037-3	35.614131	-97.475083
88502 40-115-9004-3	36.922222	-94.838889
88502 40-143-0174-3	35.953708	-96.004975
88502 40-143-1127-3	36.204902	-95.976537
88502 41-005-0004-3	45.25928	-122.588151
88502 41-005-0102-3	45.28845	-121.782775
88502 41-009-0004-3	45.768531	-122.7721
88502 41-013-0100-3	44.299787	-120.844773
88502 41-017-0004-3	44.2921	-121.5555
88502 41-017-0120-3	44.063916	-121.312554
88502 41-051-0080-3	45.496641	-122.602877
88502 41-051-0246-3	45.56137	-122.6679
88502 41-067-0004-3	45.528501	-122.972398
88502 41-067-0111-3	45.470191	-122.816411
88101 42-001-0001-3	39.92002	-77.30968
88101 42-005-0001-3	40.814183	-79.56475
88101 42-013-0801-3	40.535278	-78.370833
88101 42-017-0012-3	40.107222	-74.882222

Site ID	Latitude	Longitude
88502 48-201-1039-3	29.670025	-95.128508
88502 48-201-1042-3	30.05846	-95.189751
88502 48-201-1050-3	29.583047	-95.015544
88502 48-257-0005-3	32.564952	-96.317677
88502 48-339-0078-3	30.350302	-95.425128
88502 48-439-1006-3	32.759143	-97.342334
88502 48-439-3011-3	32.656372	-97.088583
88101 49-053-0130-1	37.1983	-113.1506
88502 49-003-0003-3	41.492707	-112.018863
88502 49-005-0004-3	41.731111	-111.8375
88502 49-035-3006-3	40.736389	-111.872222
88502 49-045-0003-3	40.543309	-112.299618
88502 49-047-2002-1	40.206291	-109.353932
88502 49-049-0002-3	40.253611	-111.663056
88502 49-049-4001-3	40.341389	-111.713611
88502 49-057-0002-3	41.206321	-111.975524
88502 50-021-0002-3	43.608056	-72.982778
88502 53-011-0013-3	45.648333	-122.586944
88502 53-011-0013-4	45.648333	-122.586944
88502 53-011-0022-4	45.8639	-122.410889
88502 53-033-0017-3	47.49022	-121.77278
88502 53-033-0017-4	47.49022	-121.77278
88502 53-033-0023-4	47.1411	-121.9379
88502 53-033-0024-3	47.755	-122.2806
88502 53-033-0024-4	47.755	-122.2806
88502 53-033-0037-4	47.61311	-122.20161
88502 53-033-0048-4	47.6153	-122.33
88502 53-033-0057-3	47.5632	-122.3405
88502 53-033-0080-3	47.568236	-122.308628
88502 53-033-0080-4	47.568236	-122.308628

Site ID	Latitude	Longitude
88502 53-033-1011-4	47.53091	-122.3208
88502 53-033-2004-3	47.386111	-122.230278
88502 53-045-0004-4	47.227833	-123.114564
88502 53-053-0022-4	47.2044	-122.3433
88502 53-053-0029-3	47.1864	-122.4517
88502 53-053-0031-3	47.2656	-122.3858
88502 53-053-0031-4	47.2656	-122.3858
88502 53-053-1018-4	47.14	-122.3003
88502 53-057-0015-4	48.4102	-122.3376
88502 53-061-0005-3	47.8064	-122.3167
88502 53-061-0005-4	47.8064	-122.3167
88502 53-061-1007-3	48.054315	-122.171529
88502 53-067-0013-4	47.029396	-122.821548
88502 54-051-1002-3	39.915961	-80.733858
88101 56-035-0101-1	42.869824	-109.87076

88502 01-073-0023-3

01-073-0023-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
11 12 12 4 3 4 3 1 4 6 3 3 1 -3 -1 -1 -5 -1 -1 -2 -4 -2 -1 -4

01-073-0023-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
NAAQS Standard = 35 μg/m³
11
20
40
9
18
46
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 01-073-1005-3

01-073-1005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 5 2 1 -1 -2 -1 -1 -3 -2 0 3 0 1 -1 0 -1 0 -3 -2 -2 -3 -1 1

01-073-1005-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
6
14
19
3
14
32
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 01-073-1009-3

01-073-1009-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2 -2 0 -1 -1 0 0 0 0 1 2 4 4 -1 -2 -2 -1 0 -1 0 -1 -2 -4 -2

01-073-1009-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
NAAQS Standard = 35 μg/m³
9
15
31
6
15
38
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 01-073-1010-3

01-073-1010-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
17 22 14 9 6 2 1 1 1 1 4 3 6 6 3 3 2 1 0 2 2 0 -4 -5

01-073-1010-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
7
20
36
4
16
44
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 01-073-2003-3

01-073-2003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
14
16
11
7
5
1
0
2
1
-1
1
-1
1
0
0
-1
-3
0
0
-1
-2
-3
0
-1

01-073-2003-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m^3)
0
10
20
30
40
6
19
37
4
18
40
NAAQS Standard = 35 μg/m^3
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 01-073-2006-3

01-073-2006-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
7 9 4 3 3 2 1 2 2 1 2 3 0 -1 -3 -3 -2 -1 -3 -2 -3 -4 -4 -4

01-073-2006-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
5
15
21
4
14
35
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 01-073-5002-3

01-073-5002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
14
12
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 11 12 6 5 6 2 1 0 0 -1 0 -1 -1 0 2 0 -2 -1 -2 -1 1 0 -1

01-073-5002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
NAAQS Standard = 35 μg/m³
11
19
34
6
17
37
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 01-073-5003-3

01-073-5003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
5
4
3
2
1
0
−1
−2
−3
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 2 3 1 2 4 1 1 2 2 0 2 3 2 3 3 3 0 1 0 -3 -1 2 2

01-073-5003-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
6
17
33
4
16
37
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 02-110-0004-3

02-110-0004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
5
4
3
2
1
0
−1
−2
−3
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 0 -1 -1 0 1 2 1 1 2 4 2 0 -2 -2 -2 0 1 0 1 1 0 1 0

02-110-0004-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
4
5
1
4
7
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 02-170-0012-3

02-170-0012-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
3
2
1
0
−1
−2
−3
−4
−5
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 0 0 2 1 1 1 1 2 2 2 1 0 1 0 0 -4 0 -1 0 -1 -2 -1 0

02-170-0012-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
40
35
30
25
20
15
10
5
0
2
3
5
0
3
7
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 02-090-0010-3

02-090-0010-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-3 -2 0 0 2 3 2 1 1 1 -2 -1 0 1 0 -1 0 0 6 4 0 -2 0 1

02-090-0010-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
50
40
30
20
10
0
NAAQS Standard = 35 μg/m³
1
10
34
1
9
43
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 05-119-0007-3

05-119-0007-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
21 33 13 10 8 8 6 8 7 6 7 6 3 -4 -4 0 -7 -1 0 2 7 15 5 1

05-119-0007-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
16
22
26
7
15
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-009-0001-3

06-009-0001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 17 7 2 2 6 2 1 0 0 0 0 -1 1 2 19 3 3 2 1 0 -1 2 3

06-009-0001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
11
13
5
8
14
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-019-2009-3

06-019-2009-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 -1 -1 -3 -1 3 1 1 2 6 4 4 4 4 2 1 2 3 4 4 1 3 3 2

06-019-2009-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
9
13
4
7
12
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-019-5001-3

06-019-5001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
39
103
53
8
2
3
3
0
5
5
2
2
-3
-5
5
2
3
0
-1
-1
1
-1
-2
-3

06-019-5001-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
NAAQS Standard = 35 μg/m³
14
22
36
7
13
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-023-1005-1

06-023-1005-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
6 6 4 2 2 1 1 -2 0 -1 -1 -3 -1 1 -1 -1 -1 1 3 2 3 4 4 4

06-023-1005-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
12
16
5
10
17
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-037-1002-3

06-037-1002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0
5
21
30
30
32
33
29
25
18
26
32
28
27
14
7
-2
1
0
2
2
-1
2
0

06-037-1002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
NAAQS Standard = 35 μg/m³
19
34
41
12
19
27
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-059-0007-3

06-059-0007-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
45
61
38
33
28
10
7
3
7
6
1
3
5
2
0
-1
0
-6
-5
-5
-3
0
-1
-2

06-059-0007-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
NAAQS Standard = 35 μg/m³
14
25
40
6
15
25
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-065-8005-3

06-065-8005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 3 -1 5 16 26 44 46 42 44 46 52 49 41 28 24 15 7 -3 -2 -4 -4 -2 -1

06-065-8005-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
60
50
40
30
20
10
0
37
42
50
16
23
32
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Independence Day
Min
Mean
Max
Control

88101 06-073-1002-3

06-073-1002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 6 10 5 3 6 2 2 5 3 7 8 2 5 18 14 6 3 3 1 2 0 1 -3

06-073-1002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
11
24
45
7
19
36
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-073-1201-1

06-073-1201-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
3
2
1
0
−1
−2
−3
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 1 2 1 0 0 0 1 1 1 1 1 0 1 1 2 1 0 -3 1 -1 -2 -1 -1

06-073-1201-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
40
35
30
25
20
15
10
5
0
0
8
17
0
8
18
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-079-2004-1

06-079-2004-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
3
2
1
0
−1
−2
−3
−4
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 -1 -2 -2 -1 0 1 0 1 1 1 0 -2 -2 1 0 -3 -3 -3 -4 1 3 3 2

06-079-2004-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
9
12
4
9
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-079-8001-3

06-079-8001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
14
12
10
8
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
10 8 9 11 9 5 2 5 5 -1 5 1 3 2 0 -1 0 0 0 0 0 2 2 1

06-079-8001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
11
16
4
7
14
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-083-0011-3

06-083-0011-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
3
2
1
0
−1
−2
−3
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2 -2 -1 0 -1 1 -2 -1 0 -1 -1 1 0 2 1 -1 -2 0 1 2 -1 1 -1 2

06-083-0011-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
12
18
7
12
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 06-099-0006-3

06-099-0006-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
64 94 59 24 8 10 12 12 8 9 3 2 4 5 6 6 7 14 6 5 4 5 3 2

06-099-0006-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m^3)
0
10
20
30
40
18
27
38
7
12
20
NAAQS Standard = 35 μg/m^3
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 06-001-0007-1

06-001-0007-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
12 34 25 11 9 7 10 7 6 4 3 6 4 5 6 1 2 1 4 1 -1 4 1 -5

06-001-0007-1 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
8
15
22
2
8
29
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 06-037-0016-3

06-037-0016-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
160
140
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
27
67
91
118
111
116
121
126
126
107
102
100
88
70
60
35
17
10
-4
0
-1
-4
-4
-4

06-037-0016-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
20
40
60
80
100
62
83
99
8
21
46
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 06-037-1201-3

06-037-1201-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
23
8
8
8
8
9
13
8
15
18
12
11
9
8
10
19
10
3
-2
3
2
5
-2
-3

06-037-1201-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
16
21
28
8
12
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 06-037-6012-3

06-037-6012-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 11 24 19 15 9 10 13 12 11 12 14 14 10 12 9 13 9 -2 3 1 4 2 1

06-037-6012-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
20
27
33
11
18
25
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 06-065-0012-3

06-065-0012-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 5 3 3 3 4 5 0 6 6 8 7 0 2 4 6 5 7 15 14 9 6 -1 0
20 15 10 5 0 −5

06-065-0012-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
14
25
36
10
20
47
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Independence Day
Min
Mean
Max
Control

88502 06-065-0016-3

06-065-0016-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-3 1 3 7 5 3 0 -1 3 3 5 2 0 2 2 0 1 -3 -4 -1 -3 -2 -3 0

06-065-0016-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
11
15
6
10
16
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 06-065-9001-3

06-065-9001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 1 3 2 3 5 3 2 7 12 12 14 14 15 14 10 2 7 4 2 -1 1 -3 -1
20 15 10 5 0 −5

06-065-9001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
16
22
26
9
16
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 06-071-0005-3

06-071-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 0 1 7 2 3 1 0 0 -1 0 3 -1 0 3 5 6 5 22 28 17 9 7 4

06-071-0005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
17
21
4
12
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 06-071-1004-3

06-071-1004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
7
14
17
39
62
68
72
71
83
98
92
95
75
60
56
40
25
17
7
1
-1
-4
-2
-3

06-071-1004-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
100
80
60
40
20
0
87
67
39
NAAQS Standard = 35 μg/m³
34
26
18
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 06-075-0005-1

06-075-0005-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
11
15
6
6
5
5
1
-2
-1
-2
0
-1
3
7
1
-1
1
0
-2
3
3
0
-3
-3

06-075-0005-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
11
15
4
9
13
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 06-085-0005-1

06-085-0005-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 6 9 8 10 4 7 9 11 11 8 8 5 5 6 7 8 6 3 -1 -2 -2 -6 -5

06-085-0005-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
14
14
16
4
10
30
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 06-095-0004-1

06-095-0004-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
10 9 4 -2 3 4 4 1 -1 2 1 1 1 1 2 4 4 0 -2 -4 -4 0 -3 0

06-095-0004-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
13
20
4
11
29
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 11-001-0043-4

11-001-0043-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
76
50
27
8
-1
-5
-2
-5
-3
-4
0
0
0
-1
-2
4
-1
-4
-2
-2
-3
-2
0
1

11-001-0043-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
19
23
29
8
17
30
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 11-001-0043-3

11-001-0043-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
80
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
45
63
32
13
3
1
2
3
2
0
0
2
1
0
0
1
2
1
0
1
3
-1
1
-1

11-001-0043-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
10
23
28
6
16
36
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 12-011-0033-3

12-011-0033-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
80
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
64
43
32
29
26
22
17
14
9
6
6
7
4
2
2
0
2
2
3
1
3
4
5
4

12-011-0033-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
12
23
32
6
10
17
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 12-011-1002-3

12-011-1002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
22 53 51 42 33 30 27 20 19 17 16 11 2 3 2 0 1 3 3 2 0 -2 0 0

12-011-1002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
20
40
60
80
NAAQS Standard = 35 μg/m³
6
25
80
4
10
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 12-069-0003-3

12-069-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 -3 0 0 1 1 2 2 2 2 3 5 4 5 5 5 3 4 3 5 8 8 5 6

12-069-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
13
18
5
10
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 12-086-1016-3

12-086-1016-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 20 32 8 1 4 5 16 14 8 8 4 -1 0 2 -3 1 0 0 1 3 -2 2 -4

12-086-1016-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
17
31
4
12
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 12-086-6001-3

12-086-6001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
80
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
42 43 64 58 27 15 9 6 8 10 9 9 7 1 -1 -1 -2 -4 -1 -2 -3 -5 -7 1

12-086-6001-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
35
25
12
20
13
6
0
5
10
15
20
25
30
35
40
Min
Mean
Max
Independence Day
Min
Mean
Max
Control

88502 12-095-2002-3

12-095-2002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
5
10
15
20
25
30
35
40
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
12 31 27 21 15 14 11 12 10 9 8 4 4 4 4 5 2 3 1 2 2 2 1 4

12-095-2002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
11
21
34
5
12
25
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 12-127-5002-3

12-127-5002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
5
10
15
20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
8 12 16 9 7 11 11 12 12 12 11 10 5 4 5 4 3 4 2 2 2 2 1 2

12-127-5002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
14
25
5
7
12
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-021-0012-3

13-021-0012-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
3
2
1
0
−1
−2
−3
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2 0 2 3 3 3 1 1 1 0 1 0 -1 -2 -3 -2 -2 -1 2 2 2 2 2 2

13-021-0012-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
11
21
2
10
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-059-0002-3

13-059-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
8 13 12 7 5 6 7 7 5 6 5 4 4 3 -1 2 4 4 4 3 3 -3 -2 -1

13-059-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
17
23
3
12
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-077-0002-3

13-077-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 4 9 11 12 13 11 9 8 5 3 4 5 2 1 4 4 2 2 1 -2 1 1 3

13-077-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
17
27
3
13
29
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-089-0002-3

13-089-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2
0
6
10
9
9
11
9
6
9
7
5
2
-1
1
-4
-5
-6
-3
-5
-4
-5
-5
-3

13-089-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
17
25
5
15
28
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-115-0003-3

13-115-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2 0 -7 1 5 8 7 6 5 2 1 4 4 4 3 2 2 3 2 0 1 1 0 3

13-115-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
19
31
7
16
28
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-121-0055-3

13-121-0055-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 15 10 5 0 −5 −10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 8 13 14 13 14 12 11 9 8 7 3 1 0 0 0 0 -2 -2 -4 -2 -5 -5 -5

13-121-0055-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
18
24
3
14
29
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-135-0002-3

13-135-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-4
0
16
28
33
31
29
27
25
20
18
15
8
6
4
5
7
7
3
3
6
5
6
5

13-135-0002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
50
40
30
20
10
0
42
26
7
2
13
35
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-151-0002-3

13-151-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 4 5 5 8 13 12 11 11 10 9 6 -2 -1 -1 1 2 -3 -2 1 4 4 1 0

13-151-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
16
23
3
12
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-185-0003-3

13-185-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
5
0
−5
−10
−15
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-4 -9 7 1 -1 -2 -7 -10 -8 -4 -5 -2 -2 5 -4 -2 5 0 0 -1 1 -1 -2 -8

13-185-0003-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
60
70
NAAQS Standard = 35 μg/m³
5
16
28
5
18
63
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-215-0008-3

13-215-0008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 6 20 13 10 7 4 6 4 4 3 1 2 1 0 -2 -1 -1 1 -1 0 -3 -1 -2

13-215-0008-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
13
18
3
10
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-223-0003-3

13-223-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-3 -1 1 2 3 3 5 3 3 2 3 2 2 1 1 1 1 0 3 -2 -1 -2 -3 -3

13-223-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
15
22
4
14
28
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-245-0091-3

13-245-0091-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2 11 29 33 13 6 4 -1 1 0 1 2 3 2 0 4 0 1 -3 -4 -2 1 1 2

13-245-0091-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
16
19
2
11
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 13-295-0002-3

13-295-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 6 18 18 13 8 7 8 8 6 3 3 3 2 0 -1 -1 -1 -3 -3 0 -1 -1 0

13-295-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
17
24
3
13
27
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 15-001-1006-1

15-001-1006-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
3
2
1
0
−1
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 3 1 2 1 -1 0 -1 -1 -1 -1 -1 -1 -1 -2 -1 0 -1 -1 0 0 1 1 1

15-001-1006-1 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
3
5
8
3
5
9
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 15-001-1012-1

15-001-1012-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 0 2 -1 1 2 2 2 -2 4 1 2 1 3 3 1 4 5 3 4 6 0 0 3

15-001-1012-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
19
24
10
18
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 15-001-2016-1

15-001-2016-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4
9
6
-1
-2
-2
-5
-7
-8
-8
-9
-2
1
-6
1
3
0
1
-1
0
1
1
1
-2

15-001-2016-1 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
4
7
9
2
8
29
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 15-003-0010-1

15-003-0010-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 1 0 -1 -2 1 2 1 2 0 -2 0 4 4 0 1 6 4 2 1 12 35 -3 1

15-003-0010-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
6
8
1
3
6
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 15-003-1001-3

15-003-1001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
6 9 5 1 0 -1 -2 0 0 2 2 -1 2 -2 -3 -2 0 2 0 -1 -2 1 2 -2

15-003-1001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
40
35
30
25
20
15
10
5
0
1
3
5
1
2
5
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 15-003-1004-2

15-003-1004-2 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
3
2
1
0
−1
−2
−3
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 0 1 1 -1 -2 -2 -1 1 -1 2 2 0 0 1 1 0 -1 0 1 0 -2 0 1

15-003-1004-2 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
5
6
3
5
7
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 15-009-0006-2

15-009-0006-2 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 13 5 2 0 0 -2 -2 -2 -5 0 1 1 -3 -1 -1 -1 -3 -3 -3 -2 -1 -2 -3

15-009-0006-2 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
1
3
4
1
3
5
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 16-009-0011-3

16-009-0011-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
12
28
49
13
7
4
1
1
0
-1
0
2
0
0
0
-1
-1
-1
-1
0
0
0
1
-1

16-009-0011-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
12
19
3
7
18
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 16-049-0002-3

16-049-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
14
12
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5
7
11
3
1
1
-1
-1
0
-1
0
0
1
-1
-1
0
0
-1
-1
-1
0
1
-1
-3

16-049-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
5
7
1
4
11
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 16-057-0005-3

16-057-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 3 5 3 2 0 -1 -1 -3 -1 0 0 1 2 4 1 4 2 1 6 3 4 3 -4

16-057-0005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
6
9
2
5
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 16-077-0011-3

16-077-0011-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
7 8 50 -4 3 -2 -8 -6 -7 -2 -3 2 -2 -9 1 -5 -4 2 -3 -5 -1 -4 -2 -2

16-077-0011-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
NAAQS Standard = 35 μg/m³
9
15
20
6
15
40
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 16-083-0010-3

16-083-0010-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
12
37
38
10
-3
-1
-2
-1
0
0
1
0
0
0
-1
-1
0
0
-2
0
-1
-2
-4
0

16-083-0010-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
10
15
4
6
13
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 17-031-0001-3

17-031-0001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
140
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
7
57
120
109
68
45
34
23
18
15
17
11
6
5
-1
2
1
6
5
5
2
4
0
-3

17-031-0001-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
35
39
41
8
16
23
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Independence Day
Min
Mean
Max
Control

88502 17-031-0022-3

17-031-0022-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
9 74 75 27 13 14 0 -2 -6 -1 1 11 9 9 6 8 3 5 4 0 4 4 8 6

17-031-0022-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
23
25
26
5
13
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 17-031-0057-3

17-031-0057-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
20
40
60
80
100
120
140
160
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
22
111
136
89
58
25
14
14
15
11
9
6
4
4
3
3
2
2
2
4
4
4
3
2

17-031-0057-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
60
50
40
30
20
10
0
51
40
31
27
17
8
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Independence Day
Min
Mean
Max
Control

88502 17-031-0076-3

17-031-0076-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
140
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
16 87 118 103 62 32 27 22 14 11 15 6 6 3 4 2 3 1 1 3 0 1 0 1

17-031-0076-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
33
38
47
11
16
25
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Independence Day
Min
Mean
Max
Control

88502 17-031-4201-3

17-031-4201-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 2 45 17 30 29 27 19 11 10 6 13 10 3 3 3 4 5 2 3 2 -1 -3 2

17-031-4201-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
35
22
12
19
12
5
0
5
10
15
20
25
30
35
40
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 17-031-6006-3

17-031-6006-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
80
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 18 54 54 65 56 48 32 18 12 9 10 9 4 3 1 2 3 3 2 -2 1 5 4

17-031-6006-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
60
50
40
30
20
10
0
51
33
18
8
15
26
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Independence Day
Min
Mean
Max
Control

88502 17-043-4002-3

17-043-4002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 7 10 25 41 49 45 39 31 19 14 7 6 3 -1 -1 1 2 3 2 3 1 1 0

17-043-4002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
21
28
35
8
15
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 17-111-0001-3

17-111-0001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 7 13 15 9 13 10 12 6 9 5 6 3 4 -1 0 0 1 1 1 2 5 5 3
20
15
10
5
0
−5

17-111-0001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
16
20
24
6
15
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 18-105-0003-3

18-105-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
5
4
3
2
1
0
−1
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 3 5 3 2 2 2 3 3 3 2 3 2 1 0 0 -1 0 -1 0 2 1 1 1

18-105-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
18
25
9
16
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 18-141-0015-3

18-141-0015-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
10
20
30
40
50
60
70
80
90
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
7 41 73 77 48 35 30 30 29 25 17 12 6 6 3 1 5 3 7 8 5 4 3 3

18-141-0015-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
27
39
45
12
19
31
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 18-157-0008-3

18-157-0008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
6
21
24
11
16
13
13
13
10
5
4
3
3
7
3
-1
0
-2
3
-1
-2
-1
1
-6

18-157-0008-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
14
22
25
11
16
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 18-157-0008-4

18-157-0008-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
11 31 29 10 7 5 6 2 4 3 4 6 3 0 5 -2 1 4 4 -2 -2 1 -1 2

18-157-0008-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
25
26
29
12
21
28
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 18-163-0021-3

18-163-0021-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
41
16
15
11
8
13
10
8
6
5
12
1
2
0
3
-2
-3
2
0
1
-1
-1
0
1

18-163-0021-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
12
20
30
5
13
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 18-167-0018-3

18-167-0018-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
160
140
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
15
49
98
122
29
10
8
6
9
3
1
2
3
-1
0
-5
-6
-3
-8
-1
-1
-2
2
-4

18-167-0018-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
60
50
40
30
20
10
0
50
35
23
NAAQS Standard = 35 μg/m³
35
21
14
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 18-183-0003-3

18-183-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 -5 0 3 6 4 5 5 6 10 4 4 0 1 4 4 3 2 -1 2 4 2 3 1

18-183-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
14
19
4
12
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 18-089-0022-3

18-089-0022-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3
28
13
18
19
27
8
5
-1
2
-4
-6
-1
-3
-3
2
-3
-4
-8
-6
-4
-7
-5
-1

18-089-0022-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
36
19
6
28
16
11
0
5
10
15
20
25
30
35
40
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 18-097-0078-3

18-097-0078-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
12
54
60
37
14
2
-1
-3
-3
-5
-6
-5
-6
-5
-5
-5
-4
-4
-5
-5
-6
-7
-8
-8

18-097-0078-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
NAAQS Standard = 35 μg/m³
11
23
50
5
19
46
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-013-0009-3

19-013-0009-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 5 2 -1 -1 0 -2 -2 -4 -2 -1 -4 -3 -5 -3 -3 -2 -2 -2 -2 -2 -3 -2 -1

19-013-0009-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
40
35
30
25
20
15
10
5
0
-1
8
15
3
10
17
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-045-0019-3

19-045-0019-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 6 0 0 2 0 6 4 10 3 4 5 2 2 5 7 5 9 3 6 5 2 3 3

19-045-0019-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
22
23
25
13
20
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-045-0019-4

19-045-0019-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
8
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 8 3 3 2 1 2 2 4 6 6 6 4 2 6 2 -1 5 4 4 7 5 1 2

19-045-0019-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
19
20
22
8
17
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-045-0021-3

19-045-0021-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
7 32 5 -3 -2 6 5 -1 -1 7 7 8 5 3 5 1 3 2 5 5 9 7 9 11

19-045-0021-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
12
17
23
4
11
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-045-0021-4

19-045-0021-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
10 28 6 0 0 0 0 2 3 4 6 7 6 4 5 3 2 3 2 4 7 7 5 4

19-045-0021-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
18
21
23
9
16
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-103-2001-3

19-103-2001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 6 0 -1 0 0 1 0 0 -1 0 1 3 3 1 2 2 0 1 -1 3 2 1 0

19-103-2001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
15
18
8
14
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-113-0040-1

19-113-0040-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
80
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
19 64 58 49 36 22 12 8 7 6 4 3 1 0 0 0 1 2 0 1 4 2 5 2

19-113-0040-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
17
25
32
6
13
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-153-0030-1

19-153-0030-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
24
31
36
19
7
1
3
0
-1
1
-2
-1
-2
-1
-2
-1
-1
-1
-2
-2
0
-1
1
-1

19-153-0030-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
15
20
5
11
18
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-163-0019-3

19-163-0019-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
13 23 12 7 3 3 4 2 5 6 4 3 2 1 5 3 5 3 4 -1 1 6 2 2

19-163-0019-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
17
19
22
9
14
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-163-0019-4

19-163-0019-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
12 25 15 5 7 5 7 4 5 5 9 5 5 2 4 3 5 2 4 1 0 6 4 4

19-163-0019-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
18
21
26
8
15
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-163-0020-3

19-163-0020-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
93
83
18
4
4
2
1
1
0
3
2
1
6
4
2
-1
4
4
4
3
-1
3
-1
0

19-163-0020-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
19
24
30
4
14
27
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 19-163-0020-4

19-163-0020-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
80
60
40
20
0
70
61
16
11
2
4
2
4
4
2
5
4
4
-1
4
1
4
5
3
3
0
3
-2
-5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
Time (LST)

19-163-0020-4 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
17
25
32
8
16
29
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 20-209-0021-3

20-209-0021-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
80
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
49
66
62
52
1
-2
2
-2
0
-1
-5
-5
-7
-2
-3
-1
-4
-3
-5
-4
-3
-6
-4
-4

20-209-0021-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
21
31
6
14
28
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 21-111-0067-3

21-111-0067-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2
15
30
51
41
29
10
2
3
6
3
1
0
-2
0
-4
-6
-4
-5
-4
1
0
-3
0

21-111-0067-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
NAAQS Standard = 35 μg/m³
10
26
38
5
19
37
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 21-019-0017-3

21-019-0017-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
19 31 33 28 17 5 1 2 2 0 -2 -1 -1 -3 -5 -2 -4 -4 -2 -3 -2 -3 -3 -3

21-019-0017-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
36
17
5
27
13
0
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 21-059-0005-3

21-059-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
29
12
3
-3
-6
-5
-4
-4
-3
-4
-3
-1
-3
-7
-3
-4
-1
6
-1
-3
-4
-3
-3
-7

21-059-0005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
14
25
2
15
27
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 21-067-0012-3

21-067-0012-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 40 47 45 37 13 13 9 6 8 3 -2 -3 -4 -1 -2 -4 -3 -5 -3 -5 -4 -2 -2

21-067-0012-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
NAAQS Standard = 35 μg/m³
5
22
44
3
15
27
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 21-093-0006-3

21-093-0006-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 12 5 -3 -3 -3 1 1 3 3 2 -3 -5 -5 -4 -3 -1 -5 -2 -5 -1 1 -0 0

21-093-0006-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
15
21
6
15
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 21-101-0014-3

21-101-0014-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
9 14 18 0 0 -1 -1 -1 -2 -2 0 -1 -3 -1 0 -4 -2 1 4 6 5 3 1 0

21-101-0014-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
14
22
5
13
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 21-117-0007-3

21-117-0007-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
30
20
10
0
−10
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
14
30
13
-1
-3
-6
-7
-9
-8
-10
-10
-7
-8
-5
-2
1
0
-2
-2
-3
0
-3
-3
-1

21-117-0007-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
12
17
7
14
30
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 21-145-1024-3

21-145-1024-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 16 6 2 -1 0 0 -1 1 0 0 -2 -3 -3 -2 -2 -3 -3 -1 -2 0 0 1 -2

21-145-1024-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
13
25
3
13
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 21-193-0003-3

21-193-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
−4
−6
−8
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2 -2 1 3 4 5 3 1 -1 0 1 2 1 -1 2 4 2 3 5 -6 -4 -5 -1 -6

21-193-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
16
20
5
15
29
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 21-195-0002-3

21-195-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
−10
−15
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
18
21
-1
1
-1
-2
-2
-1
-1
-1
-3
-1
0
-3
-5
-5
-5
-5
-7
-5
-6
-5
-9
-8

21-195-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
12
24
5
13
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 21-227-0008-3

21-227-0008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
8
3
1
-2
0
1
-1
-2
-3
-1
-2
0
0
-1
1
-2
0
-2
-2
-1
-2
0
-2
-3

21-227-0008-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
16
21
7
17
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-015-0008-3

22-015-0008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
15 16 17 10 4 1 1 1 0 1 2 1 0 0 -1 -2 -3 -4 -4 -2 -2 -3 -4 -2

22-015-0008-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
9
16
24
3
14
37
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-019-0008-3

22-019-0008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 9 15 15 11 8 6 6 10 9 8 6 2 0 1 1 0 1 2 -2 -1 0 -4 -2
20 15 10 5 0 −5

22-019-0008-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
18
28
3
13
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-033-0009-3

22-033-0009-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
6 10 9 9 6 2 0 1 3 3 3 2 1 1 -3 -4 -3 -3 -2 -5 -2 -1 -1 0

22-033-0009-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
1
11
22
1
10
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-033-0013-3

22-033-0013-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
3
2
1
0
−1
−2
−3
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 0 1 1 2 2 2 1 0 0 -1 0 0 1 1 -1 -2 -2 -3 -3 -3 -2 -1 -2

22-033-0013-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
10
19
4
11
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-051-1001-3

22-051-1001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
30
20
10
0
−10
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
31
26
13
7
4
2
-1
-1
-1
1
-2
-3
-4
-4
-5
-5
-5
-4
-4
-3
-4
-5
-6
-10

22-051-1001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
12
18
2
12
25
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-055-0007-1

22-055-0007-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
23
5
7
10
8
8
4
10
5
3
5
0
0
-5
-6
-4
3
2
2
-1
-3
-6
-5
-3

22-055-0007-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
14
20
2
12
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-057-0004-3

22-057-0004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
7
7
3
2
1
2
1
1
0
0
0
1
1
3
3
3
2
2
2
1
1
0
0
1
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19

22-057-0004-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
10
20
2
8
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-063-0002-3

22-063-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 5 5 4 2 2 2 4 4 5 5 0 1 1 3 1 1 -3 -2 -1 0 1 0 -2

22-063-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
12
21
1
11
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-071-0012-3

22-071-0012-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
9
15
11
8
5
3
3
2
2
2
-2
-2
-3
-3
-3
-2
-2
-5
-1
-5
-4
-2
-1
-2

22-071-0012-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
11
18
3
10
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-073-0004-1

22-073-0004-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2 7 10 10 12 8 3 3 3 3 3 -4 -3 -1 -3 -1 -7 -7 -5 -3 -2 -4 -3 -4

22-073-0004-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
19
33
10
18
32
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-103-0002-3

22-103-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
9
16
11
10
8
7
8
6
6
5
7
3
-4
-5
-3
-3
-3
-2
-6
0
-4
-1
-3
-4

22-103-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
12
16
21
9
13
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-121-0001-1

22-121-0001-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 2 8 7 6 8 10 13 8 8 10 4 0 -3 -6 -6 -6 -3 -3 -4 -6 -4 -4 -5

22-121-0001-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
40
35
30
25
20
15
10
5
0
9
13
16
0
11
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 22-121-0001-3

22-121-0001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 6 9 5 5 2 0 -2 0 0 0 0 -1 -1 -3 -4 -1 -2 -1 -2 -2 -1 0 2

22-121-0001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
13
19
6
12
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 23-003-1100-3

23-003-1100-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
3
2
1
0
−1
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 1 2 2 2 2 2 1 1 1 1 0 0 -1 0 -2 -1 0 0 0 0 0 0 -1

23-003-1100-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
9
15
3
9
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 23-009-0103-3

23-009-0103-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
3
2
1
0
−1
−2
−3
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 2 1 1 3 3 3 2 2 0 -1 -2 -1 -2 -2 -2 -1 -2 0 -1 -1 -1 0 -1

23-009-0103-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
8
10
3
8
13
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 23-019-0002-1

23-019-0002-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
15 13 2 3 1 0 2 1 1 -1 -2 -3 0 -1 3 2 2 0 1 -2 -3 -3 -3 -4
20 15 10 5 0 −5

23-019-0002-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
12
16
5
11
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 24-015-0003-3

24-015-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 3 0 1 2 4 4 9 7 8 1 4 3 5 4 2 3 3 0 2 3 0 1 4

24-015-0003-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
8
20
32
5
17
34
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 24-510-0040-3

24-510-0040-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
6 16 17 16 17 9 8 7 -3 0 -2 -1 2 2 5 4 7 9 11 5 5 5 2 2

24-510-0040-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
NAAQS Standard = 35 μg/m³
11
23
38
6
17
38
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 24-510-0040-3

24-510-0040-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
−15
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0
7
11
6
0
2
5
3
-1
-4
-4
-3
-5
-7
-7
-5
-10
-11
-11
-11
-9
-7
-5
-7

24-510-0040-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
80
70
60
50
40
30
20
10
0
NAAQS Standard = 35 μg/m³
18
24
27
8
27
68
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 25-005-1004-3

25-005-1004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
16 19 9 9 6 2 4 4 5 7 4 2 3 3 5 3 1 3 1 -2 -1 -2 -1 -4

25-005-1004-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
50
40
30
20
10
0
37
20
11
43
16
6
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 25-009-2006-3

25-009-2006-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
36
23
27
21
7
5
6
4
2
4
4
2
-2
-1
-2
-5
-4
-3
-2
-4
-4
-5
-4
-4

25-009-2006-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
6
21
32
3
17
35
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 25-015-4002-3

25-015-4002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 2 6 6 5 4 5 3 -1 4 -1 -3 -3 2 3 0 6 4 1 2 3 2 0 3

25-015-4002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
16
21
0
13
28
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 25-021-3003-3

25-021-3003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-3 0 3 0 -2 -2 -1 -3 -3 -3 -5 0 -2 0 1 2 6 10 8 9 5 9 6 6

25-021-3003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
11
17
4
10
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 25-025-0042-3

25-025-0042-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
17 19 20 6 4 6 4 -2 -3 -4 -6 -9 -5 -5 -7 -9 -8 -8 -5 -6 -6 -5 -4 -4

25-025-0042-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
60
50
40
30
20
10
0
NAAQS Standard = 35 μg/m³
5
17
40
2
18
53
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 25-025-0043-3

25-025-0043-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
2
4
6
8
10
12
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 8 10 8 7 5 3 5 3 1 2 3 3 3 3 4 3 2 6 5 4 4 3 4

25-025-0043-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
50
40
30
20
10
0
42
19
5
7
15
31
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 25-027-0023-3

25-027-0023-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 5 1 0 17 0 1 0 0 1 -2 1 2 1 3 5 7 5 7 7 7 8 7 6

25-027-0023-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
3
14
23
1
11
30
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 27-003-1002-3

27-003-1002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2 -1 20 42 47 27 18 17 18 16 16 14 4 -2 1 -1 0 -3 -1 0 1 1 0 -2

27-003-1002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
NAAQS Standard = 35 μg/m³
9
22
43
4
13
29
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 27-037-0470-3

27-037-0470-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3
19
24
31
21
14
16
17
15
14
8
8
6
8
3
3
1
1
1
2
2
1
-1
-2

27-037-0470-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
21
31
3
12
28
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 27-053-0963-3

27-053-0963-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-7 -2 13 56 37 24 26 19 14 14 16 12 8 1 3 0 0 1 -1 -1 -1 0 -3 -3

27-053-0963-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
11
22
33
2
12
27
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 27-123-0871-3

27-123-0871-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
−10
−15
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-8 -9 13 24 7 -1 -4 -5 -6 -7 -6 -5 -3 -2 -4 -6 -6 -7 -6 -9 -4 -6 -5 -3

27-123-0871-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
12
15
4
15
29
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 27-145-3052-3

27-145-3052-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-4 -4 2 20 37 26 15 9 12 9 8 5 2 1 3 3 1 -1 -1 0 0 1 1 -1

27-145-3052-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
13
29
1
8
33
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 27-171-3201-3

27-171-3201-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 -1 20 27 21 13 7 3 1 0 2 -1 -2 -2 -2 -1 0 -4 -2 -2 0 -1 -1 -3

27-171-3201-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
6
14
25
3
11
36
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 28-011-0001-3

28-011-0001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4
2
-1
0
0
-1
-2
-2
-2
-3
-3
-4
-5
-5
-4
-3
-4
-3
-1
-3
-4
-5
-3
-5

28-011-0001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
11
17
5
14
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 28-033-0002-3

28-033-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
−10
−15
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
14
10
1
-1
-3
-6
-9
-8
-7
-7
-8
-7
-6
-6
-5
-5
-5
-7
-8
-7
-5
-7
-9
-8

28-033-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
9
14
5
14
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 28-047-0008-3

28-047-0008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
9
7
5
3
3
2
1
0
0
2
2
2
2
1
-2
-3
-1
-2
-2
-1
2
-1
-1
-1

28-047-0008-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
12
17
4
11
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 28-049-0010-3

28-049-0010-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
41
44
21
16
3
1
0
-1
-1
0
-1
0
0
-1
1
-2
-3
-1
-1
-1
-6
-6
-5
-8

28-049-0010-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
17
24
6
13
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 28-049-0018-3

28-049-0018-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
2
0
−2
−4
−6
−8
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-7 -7 -2 -2 -3 -2 0 -1 -3 -2 -2 -2 -1 2 0 2 2 -4 -2 -2 -3 -3 0 -2

28-049-0018-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
11
15
22
9
17
37
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 28-075-0003-3

28-075-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
8
6
4
2
0
−2
−4
−6
−8
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 7 4 3 5 2 1 0 -1 0 -1 -1 -2 0 0 -3 -1 2 -6 -2 0 -3 -6 -5

28-075-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
12
17
5
12
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 28-081-0005-3

28-081-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3
-2
1
2
0
-2
-3
-3
-2
-3
-3
-2
-2
-3
-3
-4
-4
-2
0
-3
-3
-2
-2
-5

28-081-0005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
12
22
7
14
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 29-021-0005-3

29-021-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5
37
20
3
0
-1
-1
-2
-3
-3
-4
-6
-2
-3
-1
-2
-2
-3
-3
-2
-2
-2
-1
-2

29-021-0005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
17
28
9
16
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 29-039-0001-3

29-039-0001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
3
2
1
0
−1
−2
−3
−4
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2 -4 -4 -4 -3 -2 -2 -1 -1 -1 -4 -3 1 2 2 3 0 1 0 -2 1 -2 -2 0

29-039-0001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
14
16
10
15
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 29-095-0034-3

29-095-0034-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
22
51
45
37
14
10
0
-4
-3
-3
-5
-4
-4
-2
-3
-5
-3
-5
-4
-1
-1
-3
-2
-4

29-095-0034-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
35
20
9
9
15
20
0
5
10
15
20
25
30
35
40
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 29-189-3001-3

29-189-3001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-3 21 11 11 13 14 0 4 7 9 14 8 6 5 1 0 1 0 -2 0 0 -3 -7 -4

29-189-3001-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
35
13
20
9
16
25
0
5
10
15
20
25
30
35
40
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 29-510-0085-3

29-510-0085-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
80
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
66
64
40
37
27
23
14
8
20
5
6
10
1
-7
-3
1
0
-1
1
1
-2
-4
-4
-4

29-510-0085-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
70
60
50
40
30
20
10
0
59
29
18
10
17
24
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 30-063-0024-3

30-063-0024-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
200
150
100
50
0
−50
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
24 173 42 23 20 9 11 6 3 4 3 4 3 2 3 -1 -1 -1 0 0 -2 -1 0 -1

30-063-0024-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
19
20
21
3
7
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 30-063-0037-3

30-063-0037-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2
5
37
11
4
-1
1
0
1
-2
1
-3
-2
-4
-5
-4
-1
0
-9
1
3
-1
-2
-1

30-063-0037-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
10
15
5
9
15
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 30-081-0007-3

30-081-0007-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 20 30 13 5 3 4 3 1 1 1 2 2 2 1 -1 -1 1 0 -1 -1 0 -1 -3

30-081-0007-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
10
16
1
6
11
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 30-093-0005-3

30-093-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-4
53
60
34
0
2
3
0
-1
0
-1
1
-5
1
1
-1
0
1
0
-1
-1
-2
0
2

30-093-0005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
14
26
3
8
14
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 30-031-0017-3

30-031-0017-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
3
2
1
0
−1
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19

30-031-0017-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
2
4
8
2
4
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 30-031-0019-3

30-031-0019-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
8
6
4
2
0
−2
−4
−6
−8
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
7 7 -2 4 0 -1 -3 -2 2 3 2 -5 -4 -2 -7 -6 -3 -2 -1 0 2 4 2 -1

30-031-0019-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
7
8
4
7
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 32-003-0020-3

32-003-0020-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
200
150
100
50
0
−50
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
60
169
153
91
55
23
10
9
4
3
3
1
5
2
1
1
-2
1
1
1
0
0
-2
-2

32-003-0020-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
70
60
50
40
30
20
10
0
59
34
11
18
10
5
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Independence Day
Min
Mean
Max
Control

88502 32-003-0298-3

32-003-0298-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
300
250
200
150
100
50
0
−50
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
167
223
75
68
36
11
6
2
6
3
2
5
6
3
1
0
-1
-2
0
-1
2
0
-1
-7

32-003-0298-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
60
70
80
75
33
8
5
8
11
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 32-003-1019-3

32-003-1019-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
3
2
1
0
−1
−2
−3
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 -2 0 0 2 -1 -2 1 -3 -2 -1 2 -1 0 1 0 -2 -2 -1 1 0 2 1 -1

32-003-1019-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
6
9
4
7
11
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 32-003-2002-3

32-003-2002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
200
150
100
50
0
−50
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
106
172
85
79
85
59
38
14
6
5
8
6
7
4
-1
-1
-4
0
0
0
1
3
0
-3

32-003-2002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
60
70
80
22
38
75
5
11
17
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Independence Day
Min
Mean
Max
Control

88502 34-003-0004-3

34-003-0004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
11 16 12 14 13 10 5 1 -1 0 2 4 4 2 2 4 5 4 4 1 5 8 7 9

34-003-0004-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
NAAQS Standard = 35 μg/m³
4
26
38
4
20
39
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 34-019-0001-3

34-019-0001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 15 10 5 0 −5 −10 −15
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 16 10 8 4 3 3 2 1 2 3 0 -9 -10 -7 -6 -4 -2 -3 -2 1 0 1 2

34-019-0001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
16
19
1
15
31
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 34-023-0006-3

34-023-0006-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 4 7 7 5 5 4 2 1 1 0 -3 -5 -2 -3 -3 0 1 1 -4 -4 -1 0 1

34-023-0006-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
15
28
3
14
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 34-039-0004-3

34-039-0004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
5
0
−5
−10
−15
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 4 7 8 2 1 3 -1 -1 -2 -1 2 -1 -2 -1 -1 -2 -2 -8 -10 -6 -3 -5 -5

34-039-0004-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
12
22
27
9
23
33
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 34-039-2003-3

34-039-2003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 18 16 13 5 4 1 0 -2 -4 0 0 -2 0 -1 2 3 0 -4 -5 -1 -5 -3 -3

34-039-2003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
16
27
5
14
29
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-001-0029-3

35-001-0029-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 24 25 24 12 6 8 3 0 0 -2 -1 0 1 2 0 -1 -1 -3 -3 0 -3 0 -1

35-001-0029-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
13
18
4
9
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-001-1013-3

35-001-1013-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2
28
24
20
17
10
7
2
2
-1
-1
-2
0
1
0
1
-1
-1
-1
-1
0
-3
-1
-2

35-001-1013-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
4
11
25
1
7
14
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-013-0016-3

35-013-0016-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
97
65
20
10
12
2
3
4
1
2
0
-1
-1
1
1
1
-2
-2
-3
-5
-3
1
-2
-2

35-013-0016-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
60
70
7
17
50
2
9
61
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-013-0017-3

35-013-0017-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
20
27
14
15
9
5
1
0
-3
-1
-2
2
1
-1
2
1
-4
-3
-3
-2
0
0
-3
-8

35-013-0017-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
11
27
2
8
13
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-013-0021-3

35-013-0021-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2 9 2 5 4 1 1 0 1 3 2 3 0 5 1 -1 -3 -3 -3 -3 -4 7 -1 -6

35-013-0021-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
NAAQS Standard = 35 μg/m³
2
10
24
2
9
40
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-013-0022-3

35-013-0022-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
−6
−8
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-6
0
0
2
3
2
3
7
1
1
-2
2
2
1
0
1
-2
-2
-3
-1
-1
5
2
-3

35-013-0022-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
2
8
12
3
7
18
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-015-1005-3

35-015-1005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 9 5 4 0 1 3 1 1 -1 0 0 1 0 0 -1 0 1 0 0 -1 -1 1 1

35-015-1005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
8
18
3
7
17
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-025-0008-3

35-025-0008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
9
8
7
0
-3
-1
0
1
1
-1
-3
-1
-1
-3
-1
-3
-1
-1
0
3
0
0
-5
-4

35-025-0008-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
4
8
13
2
8
33
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-049-0020-3

35-049-0020-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 6 2 0 0 1 1 1 0 1 1 -1 0 1 1 0 1 0 -2 -1 -2 0 0 -2

35-049-0020-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
4
7
2
3
6
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-049-0021-3

35-049-0021-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 -2 10 6 1 0 0 1 1 2 1 -2 -1 -2 -3 -5 -2 -2 -4 1 -3 3 1 -2

35-049-0021-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
6
8
2
6
15
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-055-0005-3

35-055-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
14
12
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
11
12
7
1
1
2
2
3
2
2
2
2
1
1
0
2
0
-1
0
0
-1
-1
-2
-2

35-055-0005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
6
9
2
4
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 35-061-0008-3

35-061-0008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
7
6
5
4
3
2
1
0
−1
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
6 6 5 1 5 6 5 3 1 2 1 -1 -1 1 1 2 1 1 2 1 0 0 4 4

35-061-0008-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
7
11
1
5
9
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-001-0005-3

36-001-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
18 32 20 11 8 5 5 5 4 3 1 1 1 1 1 3 4 1 1 1 0 -1 -2 -2

36-001-0005-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
35
28
15
10
3
2
0
5
10
15
20
25
30
35
40
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-005-0112-3

36-005-0112-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
21
15
15
8
3
2
-2
-1
-1
-1
-2
-2
-2
-3
-3
-3
-4
-3
-4
-4
-5
-3
1
0

36-005-0112-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
14
28
3
14
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-005-0113-3

36-005-0113-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 19 20 14 5 3 2 2 4 3 3 5 4 4 3 4 1 0 -1 -2 0 0 7 3

36-005-0113-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
20
28
5
16
28
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-029-0005-3

36-029-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
7
89
79
89
57
50
29
12
3
-1
-1
0
-1
-2
0
-2
-2
0
-4
-2
-2
-1
-2
-4

36-029-0005-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
NAAQS Standard = 35 μg/m³
21
30
46
2
14
34
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-029-1013-3

36-029-1013-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
8 10 7 13 12 10 10 8 8 9 8 7 7 8 4 -2 -4 -3 0 -4 -6 -4 -5 -4

36-029-1013-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
20
34
6
16
34
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-029-1014-3

36-029-1014-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 7 12 15 14 9 7 7 8 7 4 4 5 4 3 2 1 -2 -3 -3 -1 -5 -2 -1
20 15 10 5 0 −5 −10

36-029-1014-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
8
18
30
2
14
35
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-031-0003-3

36-031-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
2
1
0
−1
−2
−3
−4
−5
−6
−7
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0
-2
-1
-1
0
-3
-3
-3
-4
-4
-3
-4
-5
-2
1
1
0
-4
0
-2
-2
-3
0
-3

36-031-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
40
35
30
25
20
15
10
5
0
1
6
19
0
8
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-047-0052-3

36-047-0052-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
23 10 8 5 2 -1 -1 0 -1 -2 1 3 3 4 3 3 4 1 0 5 3 2 2 8

36-047-0052-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
17
28
3
13
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-047-0118-3

36-047-0118-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 6 9 0 -3 -4 -5 -5 -5 -5 -5 -2 0 2 1 1 1 0 1 2 5 11 9 7

36-047-0118-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
15
25
4
14
25
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-055-1007-3

36-055-1007-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
20 14 18 18 15 11 7 7 8 7 5 4 3 3 6 4 -2 -7 -5 -8 -4 -8 -9 -6

36-055-1007-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
17
28
6
12
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-059-0005-3

36-059-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
28
88
64
37
15
9
6
3
2
2
2
5
-2
-2
-2
-5
-6
-6
-3
-6
-9
-6
-8
-8

36-059-0005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
12
22
30
6
14
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-061-0119-3

36-061-0119-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 17 14 20 8 4 3 1 -2 0 1 2 1 2 1 0 -7 -4 -6 -1 0 -4 4 3

36-061-0119-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
17
25
2
14
25
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-061-0125-3

36-061-0125-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
40 41 10 5 4 2 3 0 4 0 5 7 11 15 11 10 4 1 3 5 9 12 7 8

36-061-0125-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
23
25
28
6
16
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-061-0128-3

36-061-0128-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
19 21 6 0 -1 -1 0 -2 -2 -2 0 2 4 8 8 8 8 4 7 7 5 8 11 12

36-061-0128-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
18
24
3
13
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-061-0134-3

36-061-0134-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
11 60 10 7 6 3 1 0 2 -1 4 2 5 8 5 4 1 -1 -1 -3 2 4 3 4

36-061-0134-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
20
27
2
14
27
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-061-0135-3

36-061-0135-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
−10
−15
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 10 21 14 11 4 0 2 0 -4 -2 1 -1 -1 -4 -3 -2 -6 -9 -8 -7 -6 -1 -5

36-061-0135-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
15
27
5
15
25
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-063-2008-3

36-063-2008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 30 28 28 14 15 13 11 10 7 5 4 3 3 0 0 -5 -5 -2 -5 -3 -5 -1 2

36-063-2008-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
16
24
3
10
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-065-2001-3

36-065-2001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 9 8 4 3 4 3 -2 -3 -2 -1 0 2 1 3 5 6 4 4 4 4 4 4 1

36-065-2001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
11
21
4
9
15
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-071-0002-3

36-071-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
14
12
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
9 12 10 8 8 3 1 0 0 2 2 1 0 -1 -1 -1 1 0 0 0 1 -1 -2 -2

36-071-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
13
23
1
11
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-081-0120-3

36-081-0120-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
27 36 31 14 7 5 4 1 1 3 4 8 7 8 1 1 2 1 -2 -2 2 0 7 0

36-081-0120-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
19
29
4
12
25
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-085-0114-3

36-085-0114-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
16
9
2
0
1
0
-4
-5
-4
-1
1
1
4
5
11
6
6
2
0
2
6
5
3
4

36-085-0114-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
15
22
2
12
27
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-087-0005-3

36-087-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
−4
−6
−8
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 4 4 2 2 3 3 -1 2 -3 -1 3 3 -1 -5 -4 -8 -6 -5 -3 -2 -3 -4 -4

36-087-0005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
12
17
2
13
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 36-119-2004-3

36-119-2004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
−6
−8
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 5 3 4 6 3 3 5 7 3 1 -1 -2 -1 -1 -1 0 -1 -2 -2 -2 -3 -3 -6

36-119-2004-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
1
14
26
1
13
35
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 37-001-0002-3

37-001-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 5 7 3 0 -1 -1 -1 1 2 0 -1 -1 -2 0 1 1 1 2 2 1 0 0 1

37-001-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
13
14
16
8
13
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 37-021-0034-3

37-021-0034-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
14
12
10
8
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0
4
9
11
10
8
8
8
7
5
5
4
4
1
1
2
1
2
3
2
2
1
3
-1

37-021-0034-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
15
21
3
11
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 37-035-0004-3

37-035-0004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1
6
6
9
7
5
1
2
2
3
4
4
4
4
4
4
3
1
3
4
0
3
4
2

37-035-0004-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
16
26
4
12
28
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 37-051-0009-3

37-051-0009-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0
28
44
31
19
11
3
1
-1
0
0
0
0
-1
-2
-1
-2
0
1
0
2
-2
-2
-1

37-051-0009-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
18
31
5
13
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 37-057-0002-3

37-057-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 13 23 24 2 2 2 1 1 0 1 2 0 0 1 3 5 4 6 3 1 3 2 0

37-057-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
13
18
21
6
13
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 37-063-0015-3

37-063-0015-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 6 8 8 6 3 2 1 1 1 0 0 1 2 1 1 0 1 -3 -3 -2 -2 1 -3

37-063-0015-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
12
18
5
11
17
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 37-067-0030-3

37-067-0030-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
7
6
5
4
3
2
1
0
−1
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2
2
5
5
3
2
2
2
1
1
0
0
1
0
1
2
2
0
3
0
1
1
1
0

37-067-0030-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
13
20
5
12
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 37-081-0013-3

37-081-0013-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 2 6 9 2 -2 -1 -2 -2 -1 0 -2 -3 -2 0 2 1 2 1 -1 0 0 1 -1

37-081-0013-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
13
20
5
13
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 37-111-0004-3

37-111-0004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 7 13 11 6 5 2 2 3 4 2 2 0 2 0 1 2 -1 6 4 2 2 -1 -2

37-111-0004-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
12
17
2
8
14
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 37-159-0021-3

37-159-0021-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
7
6
5
4
3
2
1
0
−1
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 2 6 4 1 2 1 1 1 3 2 2 2 1 2 3 5 3 1 1 -1 1 -1 0

37-159-0021-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
15
20
5
13
27
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 37-191-0005-3

37-191-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 3 27 3 -3 -2 -1 -3 -2 1 -1 -1 0 -2 -5 -4 -1 0 2 1 -3 -3 -3 0

37-191-0005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
16
22
7
16
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 38-015-0003-3

38-015-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-3 -1 0 15 18 23 35 34 21 18 16 11 6 1 1 -1 -5 -2 -1 -2 -3 -2 -1 1

38-015-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
15
27
3
8
14
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 39-049-0029-3

39-049-0029-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
2
0
−2
−4
−6
−8
−10
−12
−14
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 1 -3 -2 -7 -3 -8 -2 -8 -5 -7 -11 -12 -2 -7 -5 -3 0 -6 -1 -5 -4 -4 -5

39-049-0029-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
10
16
4
15
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 40-019-0297-3

40-019-0297-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
2
0
−2
−4
−6
−8
−10
−12
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-9
-4
-1
-1
-7
-3
-2
-2
-1
-3
0
-4
-3
0
-2
-4
1
0
-2
-1
2
0
0
-6

40-019-0297-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
13
18
4
15
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 40-031-0651-3

40-031-0651-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
−4
−6
−8
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 5 2 0 0 -1 2 0 0 1 1 -1 -1 -1 0 -1 -2 -3 -3 0 0 -4 -5 -4

40-031-0651-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
12
13
15
8
14
18
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 40-043-0860-3

40-043-0860-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
2
0
−2
−4
−6
−8
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 3 2 -3 0 1 1 1 -1 1 0 -3 -1 -3 -3 0 -2 0 -1 -3 -7 -4 -1 -1

40-043-0860-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
12
18
6
13
18
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 40-109-1037-3

40-109-1037-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-3 9 13 13 7 6 6 4 2 -1 -1 -1 -1 -1 -2 -1 -2 -4 -3 5 -3 -3 -2 -4

40-109-1037-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
13
17
6
12
17
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 40-115-9004-3

40-115-9004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 9 9 7 6 7 7 5 4 3 2 3 4 6 4 2 1 3 -1 -1 -1 1 3 0

40-115-9004-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
14
17
21
7
14
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 40-143-0174-3

40-143-0174-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
33
27
4
-2
-5
-4
-2
-4
-3
-3
-2
-2
-1
-1
0
-2
-2
-1
-4
-4
-4
-5
-5
-4

40-143-0174-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
15
20
9
15
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 40-143-1127-3

40-143-1127-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
16
40
7
1
-1
-2
-2
-2
-2
-4
-5
-3
-3
-3
-4
-2
-1
-3
-2
-4
-5
-5
-6
-5

40-143-1127-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
12
16
19
9
16
25
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 41-005-0004-3

41-005-0004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 5 9 7 3 2 1 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0

41-005-0004-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
6
8
2
4
8
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 41-005-0102-3

41-005-0102-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19

41-005-0102-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
5
7
3
4
8
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 41-009-0004-3

41-009-0004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
5
4
3
2
1
0
−1
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 5 3 2 2 3 2 2 2 3 3 3 4 4 3 3 2 1 1 0 1 1 1 0

41-009-0004-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
7
13
2
4
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 41-013-0100-3

41-013-0100-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
13 13 18 3 1 1 0 0 0 0 0 -1 -1 -1 -1 -1 -1 0 0 0 0 0 -1 -1

41-013-0100-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
7
10
3
5
9
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 41-017-0004-3

41-017-0004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
1.5
1.0
0.5
0.0
−0.5
−1.0
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19

41-017-0004-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
5
7
3
5
9
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 41-017-0120-3

41-017-0120-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
6 5 8 5 2 -1 -1 -1 -1 -1 -1 -1 -1 -1 -2 -2 -2 0 0 -1 0 0 0 0

41-017-0120-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
3
6
11
2
5
31
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 41-051-0080-3

41-051-0080-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
10
20
30
40
50
60
70
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
25 58 54 43 25 12 5 4 2 1 1 2 3 3 3 3 2 2 2 1 1 1 0 0

41-051-0080-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
60
50
40
30
20
10
0
NAAQS Standard = 35 μg/m³
50
15
8
15
5
2
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 41-051-0246-3

41-051-0246-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
11 38 37 28 15 19 10 5 5 3 1 -1 0 0 0 0 0 0 -1 -1 0 -1 -1 -1

41-051-0246-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
13
23
3
6
12
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 41-067-0004-3

41-067-0004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
80
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
10 42 69 34 3 4 2 2 2 1 1 1 1 0 0 -1 -1 1 0 0 0 0 0 0

41-067-0004-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
NAAQS Standard = 35 μg/m³
4
11
45
1
4
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 41-067-0111-3

41-067-0111-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
10
20
30
40
50
60
70
80
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
12
65
56
44
28
18
10
3
2
1
0
1
1
1
1
1
1
1
1
1
1
0
0
0

41-067-0111-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
NAAQS Standard = 35 μg/m³
5
15
39
2
4
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-001-0001-3

42-001-0001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
−6
−8
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 -4 -3 -7 -5 -3 2 4 1 2 6 6 0 3 3 3 3 2 1 2 3 4 1 -3

42-001-0001-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
NAAQS Standard = 35 μg/m³
10
19
28
9
18
43
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-005-0001-3

42-005-0001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
5
0
−5
−10
−15
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 -4 -1 5 4 2 0 3 1 1 3 4 5 2 0 -3 -9 -9 -8 -8 -7 -7 -4 -1

42-005-0001-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
NAAQS Standard = 35 μg/m³
7
16
32
8
17
40
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-013-0801-3

42-013-0801-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
40
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 0 14 33 25 17 15 13 9 6 9 5 2 2 4 6 3 3 3 1 -1 -4 -4 -4

42-013-0801-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
14
21
30
4
14
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-017-0012-3

42-017-0012-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 16 13 20 12 3 6 5 4 3 6 1 3 1 2 1 1 3 -1 0 -1 -1 3 -7

42-017-0012-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
10
20
27
6
16
32
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-021-0011-3

42-021-0011-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-3 35 101 38 8 7 7 4 4 3 4 2 1 1 -5 -1 -1 -6 -2 -4 -3 -1 -3 0

42-021-0011-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
17
26
33
4
18
30
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-027-0100-3

42-027-0100-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
−4
−6
−8
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 3 4 4 2 -1 3 3 5 3 1 3 0 -1 -1 0 -2 0 0 -3 -4 -3 -3 -6

42-027-0100-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
3
12
21
3
11
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-029-0100-3

42-029-0100-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-3 -4 7 1 -1 -2 5 11 4 4 1 1 2 2 1 2 0 5 0 3 3 4 6 4

42-029-0100-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
8
17
33
5
15
35
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-043-0401-3

42-043-0401-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-3 11 21 4 7 5 3 1 1 -3 -3 2 3 5 4 2 2 1 -1 -2 0 1 -4 -2

42-043-0401-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
NAAQS Standard = 35 μg/m³
8
18
32
8
16
40
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-045-0002-3

42-045-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-5
3
8
9
3
2
2
2
3
1
9
3
-1
4
1
-1
1
4
-1
2
-2
2
1
5

42-045-0002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
15
22
27
8
20
34
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-049-0003-3

42-049-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 8 37 65 33 12 8 4 3 3 0 4 1 0 1 -7 27 -10 -4 -5 1 -2 2 -1

42-049-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
22
25
28
12
17
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-069-2006-3

42-069-2006-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2
34
61
38
22
18
15
11
11
9
8
7
4
4
2
7
0
-2
-2
0
0
-1
-1
-4

42-069-2006-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
NAAQS Standard = 35 μg/m³
12
22
37
6
12
27
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-071-0007-3

42-071-0007-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
6 35 36 19 13 11 7 3 2 2 2 -1 3 -3 -5 -4 -1 -2 -5 -2 2 2 -1 2

42-071-0007-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
21
31
7
16
34
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-095-0025-3

42-095-0025-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1
13
27
30
25
12
9
9
10
10
11
2
-4
-1
-5
-4
-4
-2
-3
0
0
-4
-3
-2

42-095-0025-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
0
5
10
15
20
25
30
35
40
12
24
33
8
19
33
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-129-0008-3

42-129-0008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2
16
43
36
18
8
8
8
6
2
3
0
-2
-5
-4
-5
-5
-4
-2
-2
-4
-6
-3
-9

42-129-0008-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
13
24
45
10
20
40
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 42-133-0008-3

42-133-0008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
10 19 15 20 6 3 4 3 2 2 6 6 1 -1 -1 2 2 1 5 5 4 -1 4 5

42-133-0008-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
23
32
4
18
33
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 42-101-0024-1

42-101-0024-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-3 3 17 15 16 14 17 13 14 14 11 2 9 12 14 12 16 13 12 10 10 9 10 8
20 15 10 5 0 −5

42-101-0024-1 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
NAAQS Standard = 35 μg/m³
25
33
45
8
22
36
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 46-071-0001-3

46-071-0001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-2 -2 -4 -3 -5 -2 -3 -5 -2 -2 -5 -5 -3 -3 0 2 -2 -1 2 1 5 4 2 5

46-071-0001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
2
7
12
2
8
15
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 46-099-0008-3

46-099-0008-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 11 16 16 9 7 4 5 2 3 -1 2 0 1 0 -1 -2 0 2 1 0 2 -2 -1
20 15 10 5 0 −5

46-099-0008-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
14
17
22
4
14
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 46-103-0020-3

46-103-0020-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
−10
−15
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 9 24 4 7 2 -2 -13 0 2 0 -3 -4 9 -1 -1 -3 -2 -2 -2 -2 -4 -1 2

46-103-0020-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
11
13
6
10
15
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 46-127-0001-3

46-127-0001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 -3 -1 -3 2 9 6 4 5 2 1 3 2 1 3 4 3 2 -2 1 -2 -3 -3 -2

46-127-0001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
12
21
2
11
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 46-127-0002-3

46-127-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-5 -1 -6 -8 7 -1 5 5 2 -1 0 -1 -2 4 1 4 3 1 -1 1 2 0 -1 -1

46-127-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
13
21
3
13
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 47-037-0023-3

47-037-0023-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4
13
16
14
10
7
4
4
1
-1
-2
-4
-8
-7
-8
-5
-6
-4
-7
-4
-5
-6
-5
-4

47-037-0023-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
NAAQS Standard = 35 μg/m³
7
18
33
4
19
37
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 47-157-0024-3

47-157-0024-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 15 10 5 0 −5 −10 −15
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 11 13 8 0 -4 -4 -4 -3 -3 -4 -3 -2 -3 -2 -1 -3 -3 -4 -3 -3 -6 -9 -5

47-157-0024-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
15
17
4
17
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 47-157-0038-3

47-157-0038-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
9
27
22
1
-4
0
0
-1
-3
-3
-2
-2
0
0
-1
-2
-1
-4
-2
-2
1
-2
-1
0

47-157-0038-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
NAAQS Standard = 35 μg/m³
12
22
43
10
21
34
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-113-0069-3

48-113-0069-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2
10
9
5
4
4
0
-3
-3
-4
-5
-4
-4
-2
0
-3
-5
-3
-3
-4
-3
-3
-3
-1

48-113-0069-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
10
17
5
11
17
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-121-0034-3

48-121-0034-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 4 2 2 1 0 -2 -2 -2 -4 -4 -4 -3 -1 -2 -3 -1 -3 -1 -2 -1 -2 -2 -3

48-121-0034-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
11
18
7
13
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-139-0016-3

48-139-0016-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 5 3 1 1 2 0 -1 -2 0 0 -2 -3 -4 -4 -5 -5 -4 -4 -2 -2 -3 -1 1

48-139-0016-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
10
12
5
11
16
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-139-1044-3

48-139-1044-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
3
2
1
0
−1
−2
−3
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 2 3 2 2 0 -1 -1 -2 -2 -2 -1 -1 0 1 0 -1 0 -1 0 0 1 3 2

48-139-1044-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
13
16
8
13
24
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-167-1034-3

48-167-1034-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
5
4
3
2
1
0
−1
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 -1 -1 -1 -1 0 0 0 0 0 1 2 1 0 1 2 3 3 3 4 4 1 2 0

48-167-1034-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
13
20
3
12
20
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-201-0024-3

48-201-0024-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
5
10
15
20
25
30
35
40
45
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
7 28 35 32 32 26 20 16 10 3 5 5 2 3 4 5 3 1 4 2 4 6 4 3

48-201-0024-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
60
70
NAAQS Standard = 35 μg/m³
10
25
65
4
14
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-201-0026-3

48-201-0026-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
9 8 2 0 -1 -2 -4 -4 -3 0 -1 0 1 3 2 4 2 1 -1 2 1 1 -1 0

48-201-0026-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
14
18
6
13
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-201-0416-3

48-201-0416-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 11 5 3 5 3 0 -1 -2 -2 -4 -3 0 2 1 1 1 5 4 2 4 2 2 0

48-201-0416-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
15
23
5
14
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-201-1034-3

48-201-1034-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
8 52 9 7 6 5 2 -1 -1 -2 -4 1 4 2 4 5 3 8 9 2 2 4 3 1

48-201-1034-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
17
28
7
11
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-201-1035-3

48-201-1035-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
12
10
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 5 8 6 5 3 1 0 1 3 8 9 2 2 -1 -4 -2 -1 -1 -1 1 0 -2 -2

48-201-1035-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
14
25
3
12
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-201-1039-3

48-201-1039-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
2
4
6
8
10
12
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 7 5 5 6 6 5 4 2 3 8 3 3 5 5 3 4 2 4 9 4 3 2 3

48-201-1039-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
11
16
22
4
12
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-201-1042-3

48-201-1042-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
5
10
15
20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
9 13 17 13 10 9 8 7 6 6 3 1 0 1 2 2 2 0 0 2 2 2 0 2

48-201-1042-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
16
29
4
11
22
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-201-1050-3

48-201-1050-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
14
12
10
8
6
4
2
0
−2
−4
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
7 11 8 6 4 2 1 0 0 0 1 4 0 1 1 1 2 2 1 1 -1 0 -2 -2

48-201-1050-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
14
20
3
12
21
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-257-0005-3

48-257-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
3
2
1
0
−1
−2
−3
−4
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 1 0 3 0 0 0 0 1 1 2 1 1 2 -1 1 -2 -1 -4 -2 0 -1 -1 -3

48-257-0005-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
15
18
8
15
25
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-339-0078-3

48-339-0078-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
2
4
6
8
10
12
14
16
18
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 3 6 10 14 14 13 14 11 13 11 11 5 4 6 6 7 5 3 4 7 4 7 5

48-339-0078-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
18
30
3
11
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-439-1006-3

48-439-1006-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
8
13
10
3
4
0
-3
-2
-1
-2
-2
-3
-1
-1
-1
-3
-3
-3
-3
-4
-2
-2
-2
-3

48-439-1006-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
13
19
5
13
26
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 48-439-3011-3

48-439-3011-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
6
4
2
0
−2
−4
−6
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 6 5 3 2 3 -1 -2 -1 -2 -2 -2 -3 -3 -3 -3 -4 -3 -3 -2 -3 -2 -2 -3

48-439-3011-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
11
17
6
12
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 49-053-0130-1

49-053-0130-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
4
3
2
1
0
−1
−2
−3
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 2 3 3 1 1 2 1 2 3 1 -1 -1 -2 -1 0 0 -2 -3 -2 -1 1 -2 -2

49-053-0130-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
7
10
3
7
11
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 49-003-0003-3

49-003-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
-1 9 14 10 2 -3 -2 3 15 7 1 1 -1 2 1 -2 -2 -1 -3 -1 -1 -1 -1 -1

49-003-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
10
15
4
8
14
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 49-005-0004-3

49-005-0004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 32 53 30 13 4 2 0 1 2 1 3 3 5 4 0 2 -3 -2 -1 -1 0 1 -1

49-005-0004-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
9
19
25
7
12
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 49-035-3006-3

49-035-3006-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
15 44 55 40 19 13 8 5 3 4 0 1 0 3 3 -1 1 0 1 -1 1 0 0 0

49-035-3006-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
14
17
24
4
8
15
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 49-045-0003-3

49-045-0003-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
16
14
12
10
8
6
4
2
0
−2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 12 12 5 1 0 1 0 1 1 1 2 1 1 3 3 2 2 4 3 2 2 2 3

49-045-0003-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
11
18
3
9
14
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 49-047-2002-1

49-047-2002-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
0 -1 -1 -1 -1 -1 -1 -1 0 0 0 -1 -1 -2 0 0 0 1 0 0 -1 -1 -2 -2

49-047-2002-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
6
8
3
7
12
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 49-049-0002-3

49-049-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
18
58
82
70
13
2
-1
-2
0
-1
-2
-1
-1
-1
-1
-1
1
1
1
1
4
0
-1
0

49-049-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
19
28
4
9
18
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 49-049-4001-3

49-049-4001-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5
54
29
3
4
3
6
5
0
-1
-2
-4
-7
7
-3
-3
-2
-7
-3
4
1
-2
-2
-1

49-049-4001-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
16
27
3
12
23
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 49-057-0002-3

49-057-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
600
500
400
300
200
100
0
−100
30
240
472
279
88
28
13
8
5
3
4
2
-2
-1
-1
-1
-1
-1
-2
-1
-1
-1
0
0
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
Time (LST)

49-057-0002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
100
80
60
40
20
0
96
61
17
8
13
23
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 50-021-0002-3

50-021-0002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
23
9
16
6
4
2
-2
-3
-1
-1
-5
-5
-2
-1
1
-2
2
-4
-5
3
1
7
7
0

50-021-0002-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
15
27
5
13
29
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-011-0013-3

53-011-0013-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
8 36 19 9 3 2 2 2 2 2 1 2 0 1 1 2 2 2 3 2 2 3 0 -1

53-011-0013-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
11
17
3
7
12
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-011-0013-4

53-011-0013-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
5
10
15
20
25
30
35
40
45
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
8 35 25 11 6 5 6 7 9 8 6 6 5 5 4 3 3 3 3 1 1 1 1 0

53-011-0013-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
11
22
2
5
11
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-011-0022-4

53-011-0022-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
10
20
30
40
50
60
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 27 44 20 12 9 6 5 4 2 0 1 1 1 1 1 1 1 1 1 1 0 1 1

53-011-0022-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
10
15
2
4
7
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-0017-3

53-033-0017-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4
51
53
35
34
24
18
12
10
28
1
4
6
9
4
1
1
3
-1
-1
1
-2
0
-4

53-033-0017-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
NAAQS Standard = 35 μg/m³
35
21
12
16
9
4
0
5
10
15
20
25
30
35
40
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-0017-4

53-033-0017-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
10
20
30
40
50
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
10 40 43 35 29 25 21 16 12 11 8 5 4 4 4 2 2 2 3 2 2 1 1 1

53-033-0017-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
8
18
29
2
6
15
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-0023-4

53-033-0023-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
1
2
3
4
5
6
7
8
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 3 4 5 5 4 4 4 3 5 6 4 3 4 5 4 4 6 4 3 3 2 1 0

53-033-0023-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
9
11
2
5
12
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-0024-3

53-033-0024-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
9
41
78
74
78
66
53
41
29
19
13
6
4
5
5
4
1
2
2
0
0
-1
-2
-1

53-033-0024-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
70
60
50
40
30
20
10
0
61
29
10
15
7
3
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-0024-4

53-033-0024-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
7 24 37 52 61 59 54 44 36 29 14 6 5 4 3 3 2 1 0 0 1 0 -1 -1

53-033-0024-4 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
NAAQS Standard = 35 μg/m³
12
24
44
2
6
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-0037-4

53-033-0037-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 9 13 19 23 19 17 15 11 9 9 9 8 5 4 5 2 2 2 2 1 1 1 0

53-033-0037-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
13
23
2
5
11
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-0048-4

53-033-0048-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3 16 21 29 22 14 13 9 6 5 3 4 4 3 3 2 2 2 2 2 0 0 -1 0

53-033-0048-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
13
19
3
6
14
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-0057-3

53-033-0057-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2
15
21
24
18
24
23
18
19
11
5
1
-1
1
2
0
-1
0
1
-1
0
-1
-1
0

53-033-0057-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
12
16
20
5
9
14
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-0080-3

53-033-0080-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
6 23 38 49 34 33 29 32 31 21 12 16 15 11 11 5 5 7 4 4 4 -1 0 1

53-033-0080-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
50
40
30
20
10
0
43
23
15
3
7
15
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-0080-4

53-033-0080-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
5
10
15
20
25
30
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 11 21 25 20 22 22 26 24 13 10 13 12 11 11 7 5 5 3 3 3 1 1 1

53-033-0080-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
13
18
25
2
6
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-1011-4

53-033-1011-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
6 29 30 18 12 11 10 8 6 6 5 3 4 3 2 1 1 1 4 0 -1 -1 -1 -2

53-033-1011-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
12
14
16
2
7
11
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-033-2004-3

53-033-2004-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
140
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
8
56
72
67
100
106
89
64
52
45
36
13
14
13
11
7
5
3
1
2
1
0
-1
-3

53-033-2004-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
100
80
60
40
20
0
84
41
14
4
9
16
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-045-0004-4

53-045-0004-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
10 37 8 1 1 1 1 2 3 3 2 2 0 0 2 2 2 2 1 0 0 1 1 0

53-045-0004-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
6
8
13
2
5
9
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-053-0022-4

53-053-0022-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 17 30 25 24 24 23 21 20 20 28 27 25 18 9 6 4 2 1 1 0 -1 -1 -1

53-053-0022-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
19
30
2
6
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-053-0029-3

53-053-0029-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
80
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
18 49 61 62 67 49 44 36 29 35 26 12 9 6 7 7 4 2 2 1 2 1 1 0

53-053-0029-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
100
80
60
40
20
0
94
30
10
3
8
15
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-053-0031-3

53-053-0031-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
35
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 8 26 24 15 17 13 11 14 14 17 11 7 14 15 11 3 0 2 0 3 3 2 0

53-053-0031-3 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
10
19
27
4
9
15
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-053-0031-4

53-053-0031-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
22 44 39 32 20 15 11 8 10 8 7 6 7 8 9 7 3 2 2 1 0 0 0 0

53-053-0031-4 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
50
40
30
20
10
0
42
17
6
2
6
12
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-053-1018-4

53-053-1018-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
20
40
60
80
19
68
75
67
61
62
57
51
48
43
26
17
15
11
7
4
2
3
1
-1
-1
-1
-1
-2
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19

53-053-1018-4 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
70
60
50
40
30
20
10
0
62
32
7
12
5
2
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Independence Day
Min
Mean
Max
Control

88502 53-057-0015-4

53-057-0015-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
8
7
6
5
4
3
2
1
0
−1
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
2 7 5 1 1 1 0 0 0 0 1 0 1 2 2 2 2 1 0 0 0 1 0 1

53-057-0015-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
4
5
6
2
4
6
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-061-0005-3

53-061-0005-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
140
120
100
80
60
40
20
0
−20
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
16
101
116
89
33
16
13
11
8
7
3
0
0
0
2
2
-1
4
1
-1
0
-1
0
0

53-061-0005-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
60
50
40
30
20
10
0
NAAQS Standard = 35 μg/m³
16
26
50
5
8
13
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-061-0005-4

53-061-0005-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
5
10
15
20
25
30
35
40
45
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
5 38 35 15 4 3 2 2 4 5 2 1 2 5 5 3 3 3 2 1 1 1 1 1

53-061-0005-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
7
11
13
3
5
13
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-061-1007-3

53-061-1007-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
0
20
40
60
80
100
120
140
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
18 115 117 77 41 31 29 19 13 8 7 7 6 5 4 6 5 5 3 1 1 1 2 1

53-061-1007-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
0
10
20
30
40
50
60
70
80
9
30
73
4
9
19
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 53-067-0013-4

53-067-0013-4 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
30
25
20
15
10
5
0
−5
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
4 21 26 11 9 8 7 7 7 6 5 6 6 5 4 3 2 2 2 1 1 1 0 0

53-067-0013-4 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
10
18
1
4
10
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88502 54-051-1002-3

54-051-1002-3 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
70
60
50
40
30
20
10
0
−10
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
16
58
33
10
4
2
1
-1
-1
0
1
0
0
-2
1
2
4
5
5
1
-1
0
2
1

54-051-1002-3 Daily Average PM2.5 Concentration
PM2.5 Concentration (μg/m³)
50
40
30
20
10
0
42
38
23
17
10
6
NAAQS Standard = 35 μg/m³
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 56-035-0101-1

56-035-0101-1 PM2.5 Concentration Difference in Hourly Means
Δ PM2.5 Concentration (μg/m³)
Time (LST)
6
4
2
0
−2
−4
−6
−8
20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
1 0 3 1 0 0 0 3 2 2 1 4 1 -2 -1 5 4 2 -3 -4 -7 -2 0 1

56-035-0101-1 Daily Average PM2.5 Concentration
NAAQS Standard = 35 μg/m³
PM2.5 Concentration (μg/m³)
0
5
10
15
20
25
30
35
40
5
9
12
4
9
19
Min
Mean
Max
Min
Mean
Max
Independence Day
Control

88101 11-001-0043-4 / 88502 11-001-0043-3

88101 18-157-0008-3 / 88101 18-157-0008-4

88502 19-045-0019-3 / 88502 19-045-0019-4

88502 19-045-0021-3 / 88502 19-045-0021-4

88502 19-163-0019-3 / 88502 19-163-0019-4

88502 19-163-0020-3 / 88502 19-163-0020-4

88502 22-121-0001-1 / 88502 22-121-0001-3

88101 24-510-0040-3 / 88502 24-510-0040-3

88502 53-011-0013-3 / 88502 53-011-0013-4

88502 53-033-0017-3 / 88502 53-033-0017-4

88502 53-033-0024-3 / 88502 53-033-0024-4

88502 53-033-0080-3 / 88502 53-033-0080-4

88502 53-053-0031-3 / 88502 53-053-0031-4

88502 53-061-0005-3 / 88502 53-061-0005-4

Map of 67 Sites used in Weekday vs. Weekend Analysis

PM2.5 comparisons for Independence Day on Weekend (Friday-Sunday) vs. Weekday (Monday-Thursday)

Weekend

Weekday

These plots, based on data from 67 sites, may be compared with Figure 2 of the main paper.

END