MOBILE6.2 Sample Input Files

January Average Day M6Input File Settings

Baltimore Region, 2009 (Sample for Anne Arundel County)

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 300.0  299.0  279.0  259.0  121.0   92.0   33.0   33.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
```

```
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2009
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 1
SEASON             : 2
FUEL RVP           : 12.7
HOURLY TEMPERATURES:
29.79 30.21 31.93 33.88 35.28 36.67 37.66 38.04 38.40 38.18 36.68 35.41
34.44 33.88 33.69 33.47 32.48 32.16 32.16 32.05 31.74 30.91 30.48 30.25
RELATIVE HUMIDITY  :
73.58 72.35 69.42 65.68 63.00 61.94 59.68 58.94 58.26 58.23 61.32 63.94
66.13 68.42 68.03 69.32 71.55 71.32 72.71 72.13 72.58 72.68 73.03 74.90
BAROMETRIC PRES    : 30.05
VMT FRACTIONS      :
0.359270 0.085072 0.283260 0.087295 0.040100 0.043898 0.004312 0.003605
0.002710 0.009799 0.011629 0.012643 0.044912 0.005666 0.002833 0.002996
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
```

(Scenarios Repeated for each Area, Functional Class Combination)

February Average Day M6Input File Settings

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 300.0  299.0  279.0  259.0  121.0   92.0   33.0   33.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
```

```
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2009
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 1
SEASON             : 2
FUEL RVP           : 12.6
HOURLY TEMPERATURES:
30.03 31.18 34.78 37.70 39.64 41.41 42.61 43.47 43.68 43.22 41.78 39.77
37.67 36.34 35.03 34.67 34.08 33.51 32.86 32.12 31.47 31.04 30.58 30.44
RELATIVE HUMIDITY  :
74.86 73.54 68.18 60.96 56.29 52.54 49.86 48.57 47.64 49.21 52.07 55.00
59.79 62.36 65.36 66.68 68.43 69.82 71.04 72.64 74.36 75.11 74.29 74.50
BAROMETRIC PRES    : 29.96
VMT FRACTIONS      :
0.359263 0.085071 0.283256 0.087294 0.040099 0.043896 0.004312 0.003604
0.002710 0.009799 0.011628 0.012643 0.044910 0.005650 0.002825 0.003040
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
END OF RUN         :
```

(Scenarios Repeated for each Area, Functional Class Combination)

March Average Day M6Input File Settings

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 300.0  299.0  279.0  259.0  121.0   92.0   33.0   33.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
```

```
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2009
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 1
SEASON             : 2
FUEL RVP           : 12.1
HOURLY TEMPERATURES:
34.91 37.27 39.30 41.17 42.80 43.93 45.52 46.23 47.00 47.03 46.59 45.25
43.18 41.96 40.81 40.04 38.92 38.24 36.70 36.45 36.05 35.69 35.04 34.35
RELATIVE HUMIDITY  :
71.97 66.13 61.13 57.61 54.29 52.16 49.71 48.84 48.45 47.97 48.26 50.29
54.52 56.45 58.65 59.97 63.26 64.74 67.48 67.68 69.19 70.10 70.35 72.71
BAROMETRIC PRES    : 29.71
VMT FRACTIONS      :
0.359262 0.085070 0.283250 0.087292 0.040098 0.043899 0.004312 0.003604
0.002710 0.009800 0.011629 0.012643 0.044913 0.005654 0.002827 0.003037
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
END OF RUN         :
```

(Scenarios Repeated for each Area, Functional Class Combination)

April Average Day M6Input File Settings

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 300.0  299.0  279.0  259.0  121.0   92.0   33.0   33.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
```

```
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2009
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 7
SEASON             : 2
FUEL RVP           : 10.4
HOURLY TEMPERATURES:
50.57 53.86 57.33 59.63 61.71 62.94 63.64 64.30 64.31 64.32 63.00 61.24
58.69 55.96 54.07 52.47 51.37 50.45 49.42 48.66 47.84 47.64 47.25 47.44
RELATIVE HUMIDITY  :
65.77 58.47 51.07 47.43 43.20 42.17 41.37 39.70 40.07 40.03 42.53 45.47
49.63 55.43 58.87 62.30 64.80 67.57 68.57 69.50 71.03 71.10 71.80 70.63
BAROMETRIC PRES    : 29.75
VMT FRACTIONS      :
0.359246 0.085067 0.283243 0.087290 0.040097 0.043900 0.004312 0.003605
0.002710 0.009800 0.011630 0.012644 0.044915 0.005645 0.002822 0.003074
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
END OF RUN         :
```

(Scenarios Repeated for each Area, Functional Class Combination)

May Average Day M6Input File Settings

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
```

```
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2009
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 7
SEASON             : 1
FUEL RVP           : 7.4
HOURLY TEMPERATURES:
55.67 58.91 61.61 63.96 65.13 66.74 67.26 67.29 67.61 67.41 66.75 65.58
63.38 60.97 58.84 57.29 56.13 54.44 53.64 52.62 51.75 51.17 50.71 51.89
RELATIVE HUMIDITY  :
70.23 62.19 56.35 50.42 48.06 45.58 44.26 46.35 46.06 46.87 48.26 50.55
54.90 60.03 64.68 69.10 71.03 75.74 76.48 76.84 78.00 78.87 78.97 78.29
BAROMETRIC PRES    : 29.80
VMT FRACTIONS      :
0.359250 0.085068 0.283245 0.087291 0.040097 0.043894 0.004312 0.003605
0.002710 0.009799 0.011627 0.012642 0.044909 0.005648 0.002824 0.003079
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
END OF RUN         :
```

(Scenarios Repeated for each Area, Functional Class Combination)

June Average Day M6Input File Settings

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
```

```
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2009
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 7
SEASON             : 1
FUEL RVP           : 6.8
HOURLY TEMPERATURES:
69.88 72.73 75.27 77.63 78.97 80.34 80.78 81.64 81.81 81.44 80.70 78.86
75.95 73.84 72.09 70.84 69.64 69.27 67.47 66.54 66.00 65.01 64.96 66.57
RELATIVE HUMIDITY  :
79.83 73.33 67.70 62.23 59.77 56.70 55.80 54.20 54.37 55.57 56.10 59.33
65.93 69.47 74.10 77.60 80.90 81.90 84.47 85.57 86.17 88.33 87.47 85.53
BAROMETRIC PRES    : 29.80
VMT FRACTIONS      :
0.359259 0.085070 0.283253 0.087292 0.040098 0.043890 0.004312 0.003604
0.002710 0.009798 0.011627 0.012641 0.044905 0.005645 0.002822 0.003074
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
END OF RUN         :
```

(Scenarios Repeated for each Area, Functional Class Combination)

July Average Day M6Input File Settings

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
```

```
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2009
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 7
SEASON             : 1
FUEL RVP           : 6.8
HOURLY TEMPERATURES:
74.61 77.35 79.61 81.20 82.68 83.79 84.33 84.91 85.04 84.88 83.93 82.40
80.11 77.98 76.67 75.58 74.51 73.78 72.87 71.93 71.36 71.22 70.81 71.81
RELATIVE HUMIDITY  :
81.00 74.48 68.58 63.65 61.00 58.42 58.00 56.58 56.84 56.74 58.77 62.81
68.13 73.26 76.16 77.94 80.77 81.90 84.61 85.90 87.06 87.90 88.35 87.10
BAROMETRIC PRES    : 29.83
VMT FRACTIONS      :
0.359275 0.085074 0.283266 0.087297 0.040100 0.043904 0.004313 0.003606
0.002711 0.009801 0.011631 0.012645 0.044918 0.005637 0.002818 0.003004
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
END OF RUN         :
```

(Scenarios Repeated for each Area, Functional Class Combination)

August Average Day M6Input File Settings

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
```

```
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2009
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 7
SEASON             : 1
FUEL RVP           : 6.7
HOURLY TEMPERATURES:
73.39 76.57 79.02 81.08 82.48 83.17 84.15 84.31 84.61 84.50 83.45 81.60
79.30 77.50 75.82 75.15 74.64 73.69 73.27 72.62 72.19 71.54 71.12 71.09
RELATIVE HUMIDITY  :
83.52 75.42 69.32 64.45 60.68 57.55 56.10 55.65 55.26 55.74 58.48 62.71
68.03 72.77 77.55 78.48 79.68 82.71 84.29 85.23 85.94 86.97 87.65 87.03
BAROMETRIC PRES    : 29.84
VMT FRACTIONS      :
0.359269 0.085071 0.283259 0.087295 0.040100 0.043894 0.004312 0.003604
0.002710 0.009799 0.011628 0.012642 0.044908 0.005643 0.002820 0.003046
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
END OF RUN         :
```

(Scenarios Repeated for each Area, Functional Class Combination)

September Average Day M6Input File Settings

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 150.0  149.0  129.0  120.0  120.0   90.0   30.0   30.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
```

```
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2009
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 7
SEASON             : 1
FUEL RVP           : 7.5
HOURLY TEMPERATURES:
65.43 70.07 73.76 76.54 77.96 79.96 81.27 82.08 82.19 81.66 79.89 76.54
72.99 71.11 69.55 67.78 66.36 65.65 65.67 65.03 64.36 63.67 63.04 62.38
RELATIVE HUMIDITY  :
81.57 70.63 62.10 55.07 51.30 46.77 42.93 41.33 40.26 41.50 45.00 53.57
61.87 66.47 70.43 74.30 77.33 79.27 80.57 81.93 82.47 83.40 84.50 86.00
BAROMETRIC PRES    : 29.93
VMT FRACTIONS      :
0.359291 0.085077 0.283276 0.087300 0.040101 0.043898 0.004312 0.003604
0.002710 0.009800 0.011629 0.012643 0.044912 0.005616 0.002807 0.003024
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
END OF RUN         :
```

(Scenarios Repeated for each Area, Functional Class Combination)

October Average Day M6Input File Settings

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 300.0  299.0  279.0  259.0  121.0   92.0   33.0   33.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
```

```
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2010
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 1
SEASON             : 2
FUEL RVP           : 10.1
HOURLY TEMPERATURES:
52.77 55.88 58.61 61.06 62.61 63.87 64.51 64.72 64.66 63.87 62.09 58.85
57.48 56.41 55.54 54.78 54.03 53.87 53.37 52.96 53.00 52.83 52.86 52.45
RELATIVE HUMIDITY  :
85.35 79.71 73.65 68.45 65.23 61.94 60.55 59.90 59.48 61.19 63.94 70.75
75.71 78.73 80.33 81.90 83.53 83.40 84.81 86.45 85.81 85.48 84.97 85.39
BAROMETRIC PRES    : 29.84
VMT FRACTIONS      :
0.359262 0.085070 0.283252 0.087293 0.040098 0.043892 0.004312 0.003604
0.002709 0.009798 0.011627 0.012641 0.044906 0.005639 0.002819 0.003078
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
END OF RUN         :
```

(Scenarios Repeated for each Area, Functional Class Combination)

November Average Day M6Input File Settings

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 300.0  299.0  279.0  259.0  121.0   92.0   33.0   33.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
```

```
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2010
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 1
SEASON             : 2
FUEL RVP           : 11.4
HOURLY TEMPERATURES:
40.56 43.23 47.59 51.03 53.80 55.96 57.36 57.76 57.69 55.98 53.23 50.47
48.96 47.74 46.86 46.30 45.70 45.50 44.74 43.98 43.17 42.27 41.34 40.87
RELATIVE HUMIDITY  :
80.00 77.37 67.77 59.70 53.77 49.57 46.57 46.03 46.37 49.53 54.27 60.00
62.87 66.47 69.10 70.53 70.67 69.87 72.67 74.33 76.10 77.93 78.47 78.77
BAROMETRIC PRES    : 29.89
VMT FRACTIONS      :
0.359257 0.085070 0.283252 0.087293 0.040098 0.043891 0.004312 0.003605
0.002710 0.009798 0.011627 0.012642 0.044906 0.005641 0.002820 0.003078
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
END OF RUN         :
```

(Scenarios Repeated for each Area, Functional Class Combination)

December Average Day M6Input File Settings

```
MOBILE6 INPUT FILE

REPORT FILE         :  m6output.out       REPLACE
DATABASE OUTPUT     :
WITH FIELDNAMES     :
EMISSIONS TABLE     :  M6OUTPUT.TB1  REPLACE
POLLUTANTS          :  HC CO NOX CO2
PARTICULATES        :  SO4 OCARBON ECARBON GASPM LEAD BRAKE TIRE NH3 SO2
AGGREGATED OUTPUT   :
RUN DATA            : 0002

EXPRESS HC AS VOC   :
EXPRESS HC AS VOC   :
EXPAND EVAPORATIVE  :
EXPAND EXHAUST      :
NO REFUELING        :
94+ LDG IMP         : NLEVNE.D
REBUILD EFFECTS     : 0.9
REG DISTRIBUTION    : Reg2005R.bal (2005 Age Data)
FUEL PROGRAM        : 4
 300.0  299.0  279.0  259.0  121.0   92.0   33.0   33.0
  30.0   30.0   30.0   30.0   30.0   30.0   30.0   30.0
1000.0 1000.0 1000.0 1000.0  303.0  303.0   87.0   87.0
  80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

DIESEL FRACTIONS    :
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0007 0.0007 0.0013
0.0017 0.0014 0.0014 0.0018 0.0014 0.0003 0.0017 0.0018 0.0035 0.0018
0.0014 0.0011 0.0174 0.0091 0.0496
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0085 0.0085 0.0085 0.0085 0.0085 0.0080 0.0077 0.0048 0.0067 0.0106
0.0157 0.0055 0.0187 0.0181 0.0166 0.0124 0.0176 0.0192 0.0224 0.0238
0.0314 0.0262 0.0338 0.0689 0.0832
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126
0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145 0.0115 0.0129 0.0096
0.0083 0.0072 0.0082 0.0124 0.0135
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998
0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263 0.2784 0.2963 0.2384
0.2058 0.1756 0.1958 0.2726 0.2743
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774
0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105 0.8068 0.8280 0.8477
0.7940 0.7488 0.7789 0.7842 0.6145
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606
0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331 0.7901 0.7316 0.7275
0.7158 0.5647 0.3178 0.2207 0.1968
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647
0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125 0.3462 0.2771 0.2730
0.2616 0.1543 0.0615 0.0383 0.0333
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300
```

```
0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767 0.5289 0.5788 0.5617
0.4537 0.4216 0.4734 0.4705 0.4525
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563
0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266 0.7972 0.8279 0.8177
0.7440 0.7184 0.7588 0.7567 0.7431
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992
0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989 0.9977 0.9984 0.9982
0.9979 0.9969 0.9978 0.9980 0.9979
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585
0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795 0.9900 0.9105 0.8760
0.7710 0.7502 0.7345 0.6733 0.5155
OXYGENATED FUELS   : 0.000 1.000 0.000 0.035 1
ANTI-TAMP PROGRAM  : 89 77 83 22222 22222111 1 12  96. 12211112
I/M DESC FILE      : im2009.d (2009 I/M Program)

SCENARIO RECORD    :[01 0002]  1

CALENDAR YEAR      :2010
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV
PMDDR2.CSV
PARTICLE SIZE      : 2.5 (Replace with 10 for PM10)
DIESEL SULFUR      : 43
EVALUATION MONTH   : 1
SEASON             : 2
FUEL RVP           : 11.8
HOURLY TEMPERATURES:
28.99 29.64 32.80 35.48 37.52 38.74 39.65 40.31 40.07 39.01 36.96 35.00
34.07 32.87 32.47 32.19 32.05 31.63 31.43 30.48 29.74 29.85 29.28 29.13
RELATIVE HUMIDITY  :
76.81 75.48 70.00 62.61 56.97 54.65 52.00 50.71 51.26 52.71 55.84 61.39
64.03 66.60 68.17 68.43 68.63 70.57 71.84 72.77 75.52 74.68 75.65 76.55
BAROMETRIC PRES    : 29.87
VMT FRACTIONS      :
0.359274 0.085073 0.283264 0.087296 0.040099 0.043901 0.004313 0.003605
0.002711 0.009801 0.011629 0.012644 0.044915 0.005633 0.002816 0.003026
```

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

```
VMT BY FACILITY    :V000201F.def
VMT BY HOUR        :V000201H.def
SPEED VMT          :V000201S.def
END OF RUN         :
```

(Scenarios Repeated for each Area, Functional Class Combination)

Baltimore Region 2005 Vehicle Age Distributions Input to MOBILE6.2

```
 1 0.0664 0.0750 0.0796 0.0833 0.0797 0.0830 0.0705 0.0632 0.0603 0.0510
   0.0524 0.0415 0.0341 0.0278 0.0224 0.0196 0.0153 0.0117 0.0095 0.0069
   0.0048 0.0035 0.0020 0.0012 0.0353
 2 0.0847 0.1206 0.1078 0.1055 0.0866 0.0908 0.0756 0.0642 0.0557 0.0450
   0.0401 0.0306 0.0215 0.0149 0.0114 0.0098 0.0094 0.0076 0.0056 0.0036
   0.0027 0.0019 0.0010 0.0006 0.0029
 3 0.0847 0.1206 0.1078 0.1055 0.0866 0.0908 0.0756 0.0642 0.0557 0.0450
   0.0401 0.0306 0.0215 0.0149 0.0114 0.0098 0.0094 0.0076 0.0056 0.0036
   0.0027 0.0019 0.0010 0.0006 0.0029
 4 0.0496 0.0852 0.0859 0.0795 0.0758 0.0743 0.0624 0.0545 0.0572 0.0455
   0.0487 0.0474 0.0304 0.0251 0.0226 0.0243 0.0260 0.0242 0.0200 0.0187
   0.0106 0.0083 0.0049 0.0034 0.0155
 5 0.0496 0.0852 0.0859 0.0795 0.0758 0.0743 0.0624 0.0545 0.0572 0.0455
   0.0487 0.0474 0.0304 0.0251 0.0226 0.0243 0.0260 0.0242 0.0200 0.0187
   0.0106 0.0083 0.0049 0.0034 0.0155
 6 0.0879 0.0989 0.0746 0.0657 0.0712 0.0869 0.0789 0.0441 0.0585 0.0375
   0.0530 0.0290 0.0209 0.0167 0.0171 0.0224 0.0243 0.0223 0.0190 0.0157
   0.0118 0.0079 0.0052 0.0045 0.0260
 7 0.0879 0.0989 0.0746 0.0657 0.0712 0.0869 0.0789 0.0441 0.0585 0.0375
   0.0530 0.0290 0.0209 0.0167 0.0171 0.0224 0.0243 0.0223 0.0190 0.0157
   0.0118 0.0079 0.0052 0.0045 0.0260
 8 0.0879 0.0989 0.0746 0.0657 0.0712 0.0869 0.0789 0.0441 0.0585 0.0375
   0.0530 0.0290 0.0209 0.0167 0.0171 0.0224 0.0243 0.0223 0.0190 0.0157
   0.0118 0.0079 0.0052 0.0045 0.0260
 9 0.0879 0.0989 0.0746 0.0657 0.0712 0.0869 0.0789 0.0441 0.0585 0.0375
   0.0530 0.0290 0.0209 0.0167 0.0171 0.0224 0.0243 0.0223 0.0190 0.0157
   0.0118 0.0079 0.0052 0.0045 0.0260
10 0.0879 0.0989 0.0746 0.0657 0.0712 0.0869 0.0789 0.0441 0.0585 0.0375
   0.0530 0.0290 0.0209 0.0167 0.0171 0.0224 0.0243 0.0223 0.0190 0.0157
   0.0118 0.0079 0.0052 0.0045 0.0260
11 0.0879 0.0989 0.0746 0.0657 0.0712 0.0869 0.0789 0.0441 0.0585 0.0375
   0.0530 0.0290 0.0209 0.0167 0.0171 0.0224 0.0243 0.0223 0.0190 0.0157
   0.0118 0.0079 0.0052 0.0045 0.0260
12 0.0879 0.0989 0.0746 0.0657 0.0712 0.0869 0.0789 0.0441 0.0585 0.0375
   0.0530 0.0290 0.0209 0.0167 0.0171 0.0224 0.0243 0.0223 0.0190 0.0157
   0.0118 0.0079 0.0052 0.0045 0.0260
13 0.0879 0.0989 0.0746 0.0657 0.0712 0.0869 0.0789 0.0441 0.0585 0.0375
   0.0530 0.0290 0.0209 0.0167 0.0171 0.0224 0.0243 0.0223 0.0190 0.0157
   0.0118 0.0079 0.0052 0.0045 0.0260
14 0.0879 0.0989 0.0746 0.0657 0.0712 0.0869 0.0789 0.0441 0.0585 0.0375
   0.0530 0.0290 0.0209 0.0167 0.0171 0.0224 0.0243 0.0223 0.0190 0.0157
   0.0118 0.0079 0.0052 0.0045 0.0260
15 0.0685 0.0755 0.0593 0.0420 0.0563 0.0850 0.0915 0.0471 0.0643 0.0468
   0.0692 0.0344 0.0284 0.0236 0.0241 0.0276 0.0313 0.0269 0.0256 0.0201
   0.0152 0.0084 0.0064 0.0060 0.0165
16 0.0810 0.1004 0.1217 0.0886 0.0778 0.0635 0.0503 0.0348 0.0301 0.0311
   0.0246 0.2962 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
  0.0000 0.0000 0.0000 0.0000 0.0000
```

Baltimore Region 2009 Inspection Maintenance Program Input to MOBILE6.2

```
*Idle older LDGV, LDGT
I/M PROGRAM        : 1 1984 2050 2 T/O Idle
I/M MODEL YEARS    : 1 1977 1983
I/M VEHICLES       : 1 22222 11111111 1
I/M STRINGENCY     : 1 20.0
I/M COMPLIANCE     : 1 96.0
I/M WAIVER RATES   : 1 13.8 13.8
I/M GRACE PERIOD   : 1 2

*Idle HDGT
I/M PROGRAM        : 2 1984 2050 2 T/O Idle
I/M MODEL YEARS    : 2 1977 2050
I/M VEHICLES       : 2 11111 22222111 1
I/M STRINGENCY     : 2 20.0
I/M COMPLIANCE     : 2 96.0
I/M WAIVER RATES   : 2 13.8 13.8
I/M GRACE PERIOD   : 2 2

*IM240
I/M PROGRAM        : 3 1984 2050 2 T/O IM240
I/M MODEL YEARS    : 3 1984 1995
I/M VEHICLES       : 3 22222 11111111 1
I/M STRINGENCY     : 3 20.0
I/M COMPLIANCE     : 3 96.0
I/M WAIVER RATES   : 3 13.8 13.8
I/M CUTPOINTS      : 3 cutpnt09.d
I/M GRACE PERIOD   : 3 2

*OBD
I/M PROGRAM        : 4 1984 2050 2 T/O OBD I/M
I/M MODEL YEARS    : 4 1996 2050
I/M VEHICLES       : 4 22222 11111111 1
I/M STRINGENCY     : 4 20.0
I/M COMPLIANCE     : 4 96.0
I/M WAIVER RATES   : 4  5.4  5.4
I/M GRACE PERIOD   : 4 2

*OBD Evap (Actual Start Year: July 2002)
I/M PROGRAM        : 5 2002 2050 2 T/O EVAP OBD
I/M MODEL YEARS    : 5 1996 2050
I/M VEHICLES       : 5 22222 11111111 1
I/M COMPLIANCE     : 5 96.0
I/M WAIVER RATES   : 5  5.4  5.4
I/M GRACE PERIOD   : 5 2
```