```
*
* 7-1-02, nonattainment area, '02 reg. dist. (default for Class 8b), default VMT mix (02artTC.in)
*
MOBILE6 INPUT FILE :
> This won't take long...
*
POLLUTANTS         : HC CO NOx
PARTICULATES       :
*REPORT FILE        :
*DATABASE OUTPUT    :
*DATABASE OPTIONS   :
*WITH FIELDNAMES    :
*DATABASE EMISSIONS : 2222 2222
*DATABASE FACILITIES: Freeway Arterial Local Ramp None
*DATABASE VEHICLES  : 22222 22222222 2 222 22222222 222
*EMISSIONS TABLE    :

RUN DATA
>
*
*  If hourly input is desired, replace the 24 temperature values below with
*  average hourly temperatures and comment out the MIN/MAX TEMP line.
*
*HOURLY TEMPERATURES: 60.0 63.0 66.0 69.0 72.0 75.0 78.0 81.0 84.0 87.0 90.0 93.0
*                     93.0 90.0 87.0 84.0 81.0 78.0 75.0 72.0 69.0 66.0 63.0 60.0
*
*MIN/MAX TEMP       : 71. 95.
*
* next lines show average hourly temp. for 10 highest ozone days 1988-1990
HOURLY TEMPERATURES: 74 74 74 84 84 84 92 92 92 94 94 94
                     89 89 89 81 81 81 75 75 75 72 72 72
*
* Reid Vapor Pressure of 7.0 psi is a requirement for Georgia gasoline, Phases 1 and 2
*
FUEL RVP           : 7.0
EXPRESS HC AS VOC  :
*EXPAND EXHAUST     :
*EXPAND EVAPORATIVE :
*EXPAND LDT EFS     :
*EXPAND HDGV EFS    :
*EXPAND HDDV EFS    :
*EXPAND BUS EFS     :

STAGE II REFUELING :
92 3 81. 81.

FUEL PROGRAM       : 4
  150.0  150.0  150.0   90.0   30.0   30.0   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  150.0  150.0   87.0   87.0
   80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0

*
* In 1999 there were 25 counties with Phase 1 Georgia gasoline.  These counties included
* the 13-county Atlanta ozone nonattainment area: Cherokee (13057), Clayton (13063),
* Cobb (13067), Coweta (13077), DeKalb (13089), Douglas (13097), Fayette (13113),
* Forsyth (13117), Fulton (13121), Gwinnett (13135), Henry (13151), Paulding (13223),
* and Rockdale (13247);
*
* ...plus 12 attainment area counties:  Barrow (13013), Bartow (13015),
* Butts (13035), Carroll (13045), Dawson (13085), Hall (13139), Haralson (13143),
* Jackson (13157), Newton (13217), Pickens (13227), Spalding (13255), and
* Walton (13297).
```

```
*
* In 2003 there will be 20 additional attainment area counties with fuel controls
* (Phase 2):  Banks (13011), Chattooga (13055), Clarke (13059), Floyd (13115),
* Gordon (13129), Heard (13149), Jasper (13159), Jones (13169), Lamar (13171),
* Lumpkin (13187), Madison (13191), Meriwether (13199), Monroe (13207), Morgan (13211),
* Oconee (13219), Pike (13231), Polk (13233), Putnam (13237), Troup (13285), and
* Upson (13293);
*

* ...for a total of 45 counties with 7.0 psi RVP/low sulfur Georgia gasoline.
*
* Georgia gasoline, Phase 1
* 150 ppm average sulfur June 1 through September 15, 352 average rest
* of year until, effectively, June 1, 2003.
*
*
* Georgia gasoline, Phase 2
* a.  90 ppm average sulfur, 200 ppm per-gallon cap, effective 6-1-03.
*
* b.  30 ppm average sulfur, year round effective 1-1-04; 150 ppm per-gallon cap.
*
* c.  Seasonal 80 ppm per-gallon cap effective 6-1-04 for the period June 1 through
*     September 15.
*
* In the likely event that Atlanta is reclassified from a serious to a severe
* ozone nonattainment area, federal reformulated gasoline will be required
* in the 13-county nonattainment area after the 2004 ozone season.
*

*OXY FUEL           : 0.50 0.50 0.020 0.010 1
*SOAK DISTRIBUTION  : Soakdst.d
*HOT SOAK ACTIVITY  : Hsact.d
*DIURN SOAK ACTIVITY: Dsact.d

REG DIST           : 02regis2.d

ANTI-TAMP PROG     :
82 75 97 22222 11111111 1 11 097. 12111111

*  The external data file "im-info.d" is for 2002 and later evaluation dates;
*  "iminfo-p.d" is identical to "im-info.d" but with phase-in ASM cutpoints
*
I/M DESCRIPT FILE  : iminfo-p.d
*
*  I/M notes:
*
*  Annual inspections began in calendar year (CY) 2000.
*
*  Beginning in CY 2001, the three newest model years were exempted from testing and
*  "newer vehicles" were redefined as 1996 and newer model years.
*
*  In CY 2002, single-mode ASM on "older vehicles" ('75 - '95) was replaced with
*  2-mode ASM.  Newer vehicles were tested with OBD II.
*
*  The vehicles covered by I/M are effectively those in a 25-model-year "rolling window"
*  because "an antique or collector car or truck 25 years old and older" is exempt from
*  inspection [Enhanced Inspection and Maintenance Rules, Chapter 391-3-20-.03(9)(b)].
*  However, from CY 2000 on there is no difference in emission factors whether specifying
*  that 1975 and newer vehicles are subject or that vehicles 25 model years old and older
*  are exempt -- MOBILE only calculates emission factors for, effectively, 25 model years.
*
*
I/M CREDIT FILE    : Tech12.d
```

```
*_____________________________________________________________________
*
SCENARIO REC       : arterial, Atlanta, 2002, 2.5 mph
> July 1, 2002, '02 reg. dist. (default for Class 8b), default VMT mix (02artTC.in)
*
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
*ABSOLUTE HUMIDITY  : 40.2
* next lines show average hourly rel. humidity for 10 highest ozone days 1988-1990
RELATIVE HUMIDITY  : 68 68 68 50 50 50 37 37 37 32 32 32
                     40 40 40 56 56 56 64 64 64 70 70 70
BAROMETRIC PRES    : 28.98
*CLOUD COVER        : 0.00
*PEAK SUN           : 10 4
*SUNRISE/SUNSET     : 6 9
*WE VEH US          :
*SULFUR CONTENT     : 150.0
PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 500.00
AVERAGE SPEED      : 2.5 Arterial 0.0 100.0 0.0 0.0

*_____________________________________________________________________
*
SCENARIO REC       : arterial, Atlanta, 2002, 3 mph
> July 1, 2002, '02 reg. dist. (default for Class 8b), default VMT mix (02artTC.in)
*
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
*ABSOLUTE HUMIDITY  : 40.2
* next lines show average hourly rel. humidity for 10 highest ozone days 1988-1990
RELATIVE HUMIDITY  : 68 68 68 50 50 50 37 37 37 32 32 32
                     40 40 40 56 56 56 64 64 64 70 70 70
BAROMETRIC PRES    : 28.98
*CLOUD COVER        : 0.00
*PEAK SUN           : 10 4
*SUNRISE/SUNSET     : 6 9
*WE VEH US          :
*SULFUR CONTENT     : 150.0
PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 500.00
AVERAGE SPEED      : 3 Arterial 0.0 100.0 0.0 0.0

*_____________________________________________________________________
*
```

[scenarios for 4 mph through 64 mph not shown]

```
*_____________________________________________________________________
*
SCENARIO REC       : arterial, Atlanta, 2002, 65 mph
> July 1, 2002, '02 reg. dist. (default for Class 8b), default VMT mix (02artTC.in)
*
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
*ABSOLUTE HUMIDITY  : 40.2
* next lines show average hourly rel. humidity for 10 highest ozone days 1988-1990
RELATIVE HUMIDITY  : 68 68 68 50 50 50 37 37 37 32 32 32
                     40 40 40 56 56 56 64 64 64 70 70 70
```

```
BAROMETRIC PRES    : 28.98
*CLOUD COVER        : 0.00
*PEAK SUN           : 10 4
*SUNRISE/SUNSET     : 6 9
*WE VEH US          :
*SULFUR CONTENT     : 150.0
PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 500.00
AVERAGE SPEED      : 65 Arterial 0.0 100.0 0.0 0.0

*_____________________________________________________________________
*
SCENARIO REC       : ramps, Atlanta, 2002, no speed input
> July 1, 2002, '02 reg. dist. (default for Class 8b), default VMT mix (02artTC.in)
*
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
*ABSOLUTE HUMIDITY  : 40.2
* next lines show average hourly rel. humidity for 10 highest ozone days 1988-1990
RELATIVE HUMIDITY  : 68 68 68 50 50 50 37 37 37 32 32 32
                     40 40 40 56 56 56 64 64 64 70 70 70
BAROMETRIC PRES    : 28.98
*CLOUD COVER        : 0.00
*PEAK SUN           : 10 4
*SUNRISE/SUNSET     : 6 9
*WE VEH US          :
*SULFUR CONTENT     : 150.0
PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 500.00
*
* Note that 34.6 is the default MOBILE6 average speed for ramps and cannot be changed.
*
AVERAGE SPEED      : 34.6 ramp

*_____________________________________________________________________
*
SCENARIO REC       : local, Atlanta, 2002, no speed input
> July 1, 2002, '02 reg. dist. (default for Class 8b), default VMT mix (02artTC.in)
*
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
*ABSOLUTE HUMIDITY  : 40.2
* next lines show average hourly rel. humidity for 10 highest ozone days 1988-1990
RELATIVE HUMIDITY  : 68 68 68 50 50 50 37 37 37 32 32 32
                     40 40 40 56 56 56 64 64 64 70 70 70
BAROMETRIC PRES    : 28.98
*CLOUD COVER        : 0.00
*PEAK SUN           : 10 4
*SUNRISE/SUNSET     : 6 9
*WE VEH US          :
*SULFUR CONTENT     : 150.0
PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 500.00
*
* Note that 12.9 is the default MOBILE6 average speed for local streets and cannot be changed.
*
AVERAGE SPEED      : 12.9 local
```

```
END OF RUN
```

```
*
* 7-1-02, nonattainment area, '02 reg. dist. (default for Class 8b), default VMT mix (02fwyTC.in)
*
MOBILE6 INPUT FILE :
> This won't take long...
*
POLLUTANTS         : HC CO NOx
PARTICULATES       :
*REPORT FILE        :
*DATABASE OUTPUT    :
*DATABASE OPTIONS   :
*WITH FIELDNAMES    :
*DATABASE EMISSIONS : 2222 2222
*DATABASE FACILITIES: Freeway Arterial Local Ramp None
*DATABASE VEHICLES  : 22222 22222222 2 222 22222222 222
*EMISSIONS TABLE    :

RUN DATA
>
*
*  If hourly input is desired, replace the 24 temperature values below with
*  average hourly temperatures and comment out the MIN/MAX TEMP line.
*
*HOURLY TEMPERATURES: 60.0 63.0 66.0 69.0 72.0 75.0 78.0 81.0 84.0 87.0 90.0 93.0
*                     93.0 90.0 87.0 84.0 81.0 78.0 75.0 72.0 69.0 66.0 63.0 60.0
*
*MIN/MAX TEMP       : 71. 95.
*
* next lines show average hourly temp. for 10 highest ozone days 1988-1990
HOURLY TEMPERATURES: 74 74 74 84 84 84 92 92 92 94 94 94
                     89 89 89 81 81 81 75 75 75 72 72 72
*
* Reid Vapor Pressure of 7.0 psi is a requirement for Georgia gasoline, Phases 1 and 2
*
FUEL RVP           : 7.0
EXPRESS HC AS VOC  :
*EXPAND EXHAUST     :
*EXPAND EVAPORATIVE :
*EXPAND LDT EFS     :
*EXPAND HDGV EFS    :
*EXPAND HDDV EFS    :
*EXPAND BUS EFS     :

STAGE II REFUELING :
92 3 81. 81.

FUEL PROGRAM       : 4
  150.0  150.0  150.0   90.0   30.0   30.0   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  150.0  150.0   87.0   87.0
   80.0   80.0   80.0   80.0   80.0   80.0   80.0   80.0
```

[redundant comments not shown]

```
*OXY FUEL           : 0.50 0.50 0.020 0.010 1
*SOAK DISTRIBUTION  : Soakdst.d
*HOT SOAK ACTIVITY  : Hsact.d
*DIURN SOAK ACTIVITY: Dsact.d

REG DIST           : 02regis2.d

ANTI-TAMP PROG     :
```

```
82 75 97 22222 11111111 1 11 097. 12111111

*  The external data file "im-info.d" is for 2002 and later evaluation dates;
*  "iminfo-p.d" is identical to "im-info.d" but with phase-in ASM cutpoints
*
I/M DESCRIPT FILE  : iminfo-p.d
*
```

[redundant comments not shown]

```
*
I/M CREDIT FILE    : Tech12.d

*_____________________________________________________________________
*
SCENARIO REC       : freeway, Atlanta, 2002, 2.5 mph
> July 1, 2002, '02 reg. dist. (default for Class 8b), default VMT mix (02fwyTC.in)
*
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
*ABSOLUTE HUMIDITY  : 40.2
* next lines show average hourly rel. humidity for 10 highest ozone days 1988-1990
RELATIVE HUMIDITY  : 68 68 68 50 50 50 37 37 37 32 32 32
                     40 40 40 56 56 56 64 64 64 70 70 70
BAROMETRIC PRES    : 28.98
*CLOUD COVER        : 0.00
*PEAK SUN           : 10 4
*SUNRISE/SUNSET     : 6 9
*WE VEH US          :
*SULFUR CONTENT     : 150.0
PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 500.00
AVERAGE SPEED      : 2.5 Non-Ramp 100.0 0.0 0.0 0.0

*_____________________________________________________________________
*
SCENARIO REC       : freeway, Atlanta, 2002, 3 mph
> July 1, 2002, '02 reg. dist. (default for Class 8b), default VMT mix (02fwyTC.in)
*
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
*ABSOLUTE HUMIDITY  : 40.2
* next lines show average hourly rel. humidity for 10 highest ozone days 1988-1990
RELATIVE HUMIDITY  : 68 68 68 50 50 50 37 37 37 32 32 32
                     40 40 40 56 56 56 64 64 64 70 70 70
BAROMETRIC PRES    : 28.98
*CLOUD COVER        : 0.00
*PEAK SUN           : 10 4
*SUNRISE/SUNSET     : 6 9
*WE VEH US          :
*SULFUR CONTENT     : 150.0
PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 500.00
AVERAGE SPEED      : 3 Non-Ramp 100.0 0.0 0.0 0.0

*_____________________________________________________________________
*
```

[scenarios for 4 mph through 64 mph not shown]

```
*_____________________________________________________________________
*
```

```
SCENARIO REC       : freeway, Atlanta, 2002, 65 mph
> July 1, 2002, '02 reg. dist. (default for Class 8b), default VMT mix (02fwyTC.in)
*
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
ALTITUDE           : 1
*ABSOLUTE HUMIDITY  : 40.2
* next lines show average hourly rel. humidity for 10 highest ozone days 1988-1990
RELATIVE HUMIDITY  : 68 68 68 50 50 50 37 37 37 32 32 32
                     40 40 40 56 56 56 64 64 64 70 70 70
BAROMETRIC PRES    : 28.98
*CLOUD COVER        : 0.00
*PEAK SUN           : 10 4
*SUNRISE/SUNSET     : 6 9
*WE VEH US          :
*SULFUR CONTENT     : 150.0
PARTICLE SIZE      : 2.5
PARTICULATE EF     : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
DIESEL SULFUR      : 500.00
AVERAGE SPEED      : 65 Non-Ramp 100.0 0.0 0.0 0.0

END OF RUN
```