

US EPA ARCHIVE DOCUMENT

MODEL PARAMETER SENSITIVITY ANALYSIS

Volume 2 of 2

Appendixes A - B

U.S. EPA Region 6 Center for Combustion
Science and Engineering

Prepared for

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APPENDIX B

Printouts of ISCST3 Model Inputs

** EPA Model Sensitivity Study
 ** ISCST3 alb-b1.inp alb-b1.out
 ** Particle-Bound Phase Noon-time Albedo Sensitivity Analysis
 ** Test Case No. 1: Noon-time Albedo = 0.10
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Noon-time Albedo Test Case 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Noon-time Albedo = 0.10
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\NTA1.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL alb-b1.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 alb-b2.inp alb-b2.out
 ** Particle-Bound Phase Noon-time Albedo Sensitivity Analysis
 ** Test Case No. 2: Noon-time Albedo = 0.60
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Noon-time Albedo Test Case 2
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Noon-time Albedo = 0.60
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\NTA2.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL alb-b2.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 alb-p1.inp alb-p1.out
 ** Particle Phase Noon-time Albedo Sensitivity Analysis
 ** Test Case No. 1: Noon-time Albedo = 0.10
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Noon-time Albedo Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Noon-time Albedo = 0.10
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\NTA1.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL alb-p1.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 alb-p2.inp alb-p2.out

** Particle Phase Noon-time Albedo Sensitivity Analysis
** Test Case No. 2: Noon-time Albedo = 0.60
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Noon-time Albedo Test Case No. 2
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRACTION BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END

RE FINISHED

** PCRAMMET with Noon-time Albedo = 0.60
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\NTA2.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL alb-p2.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 alb-v1.inp alb-v1.out
** Vapor Phase Noon-time Albedo Sensitivity Analysis
** Test Case No. 1: Noon-time Albedo = 0.10
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Noon-time Albedo Test Case No. 1
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Noon-time Albedo = 0.10
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\NTA1.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL alb-v1.plt
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 alb-v2.inp alb-v2.out
** Vapor Phase Noon-time Albedo Sensitivity Analysis
** Test Case No. 2: Noon-time Albedo = 0.60
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Noon-time Albedo Test Case No. 2
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Noon-time Albedo = 0.60
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\NTA2.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL alb-v2.plt
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 an-pb1.inp an-pb1.out
 ** Particle-Bound Phase Anemometer Height Sensitivity Analysis
 ** Test Case 1: Anemometer height = 10 meters
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Anemometer Height Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 10 METERS

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL AN-PB1.PLT

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 an-pb2.inp an-pb2.out
 ** Particle-Bound Phase Anemometer Height Sensitivity Analysis
 ** Test Case 2: Anem. height = 10 m in both met and ISC
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Anemometer Height Test Case No. 2
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Anem. height = 10m in both met and ISC
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ANHT10.WET
 ANEMHGHT 10 METERS
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL AN-PB2.PLT
 OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 An-pp1.inp An-pp1.out
 ** Particle Phase Anemometer Height Sensitivity Analysis
 ** Test Case No. 1: Anemometer height = 10 meters
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Anemometer Height Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END
 RE FINISHED

** PCRAMMET with Rural values selected for all parameters
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
 ANEMHGHT 10 METERS
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL An-pp1.plt
 OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 An-pp2.inp An-pp2.out
 ** Particle Phase Anemometer Height Sensitivity Analysis
 ** Test Case No. 2: Anem. height = 10 meters in both met & ISC
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Anemometer Height Test Case No. 2
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Anem. height = 10m in both met and ISC
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ANHT10.WET
 ANEMHGHT 10 METERS
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL An-pp2.plt
 OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 an-v1.inp an-v1.out
** Vapor Phase Anemometer Height Sensitivity Analysis
** Test Case No. 1: Anemometer Height = 10 meters
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Anemometer Height Test Case No. 1
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 10 METERS
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL AN-V1.PLT
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 an-v2.inp an-v2.out
** Vapor Phase Anemometer Height Sensitivity Analysis
** Test Case No. 2: Anem. Height = 10 m in both met and ISC
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Anemometer Height Test Case No. 2
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Anem. height = 10m in both met and ISC
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ANHT10.WET
ANEMHGHT 10 METERS
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL AN-V2.PLT
OU FINISHED

```
**      EPA Model Sensitivity Study
**      ISCST3 ahf-b1.inp ahf-b1.out
**      Particle-Bound Phase Anthropogenic Heat Flux Sensitivity Analysis
**      Test Case No. 1: AHF = 198. (Urban Mode)
**      Linear Receptor Grid in Directions of Maximum Impact
**      Typical BIF Combustion Unit
**      5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING
  TITLEONE Particle-Bound Phase Anthropogenic Heat Flux Test Case No. 1
  TITLETWO Linear Receptor Grid in Directions of Maximums
  MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
  AVERTIME PERIOD
  POLLUTID UNITY
  RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.
SO STARTING
  LOCATION BIFUNIT POINT 0.0 0.0
** Point Source      QS      HS      TS      VS      DS
** Parameters:
  SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
  PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
  MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
  PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
  PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
  PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
  SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING
  GRIDPOLR MAXDIR STA
            MAXDIR ORIG 0.0 0.0
            MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
            MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
            MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
            MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
            MAXDIR DDIR 180. 303. 307.
            MAXDIR END
RE FINISHED

** PCRAMMET with Anthropogenic heat flux = 198.
** Concatenated 5 years of met data into one file.
ME STARTING
  INPUTFIL C:\METDATA\AHF1.WET
  ANEMHGHT 20 FEET
  SURFDATA 12960 1981 HOUSTON-IAH
  UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING
  RECTABLE ALLAVE FIRST
  MAXTABLE ALLAVE 50
  PLOTFILE PERIOD ALL ahf-b1.plt
OU FINISHED
```

** EPA Model Sensitivity Study
 ** ISCST3 ahfbc-b.inp ahfbc-b.out
 ** Particle-Bound Phase Anthropogenic Heat Flux Sensitivity Analysis
 ** Base Case: AHF = 20.0 (Urban Mode)
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Anthropogenic Heat Flux Base Case
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Anthropogenic heat flux = 20.0
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL ahfbc-b.plt
 OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 ahfbc-p.inp ahfbc-p.out
 ** Particle Phase Anthropogenic Heat Flux Sensitivity Analysis
 ** Base Case: AHF = 20.0 (Urban Mode)
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Anthropogenic Heat Flux Base Case
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Anthropogenic heat flux = 20.0
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL ahfbc-p.plt
 OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 ahfbc-v.inp ahfbc-v.out
** Vapor Phase Anthropogenic Heat Flux Sensitivity Analysis
** Base Case: AHF = 20.0 (Urban Mode)
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Anthropogenic Heat Flux Base Case
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT URBAN
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Anthropogenic Heat Flux = 20.0
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL ahfbc-v.plt
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 ahf-p1.inp ahf-p1.out
 ** Particle Phase Anthropogenic Heat Flux Sensitivity Analysis
 ** Test Case No. 1: AHF = 198 (Urban Mode)
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Anthropogenic Heat Flux Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Anthropogenic heat flux = 198.
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\AHF1.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL ahf-p1.plt
 OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 ahf-v1.inp ahf-v1.out
** Vapor Phase Anthropogenic Heat Flux Sensitivity Analysis
** Test Case No. 1: AHF = 198. (Urban Mode)
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Anthropogenic Heat Flux Test Case No. 1
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT URBAN
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Anthropogenic Heat Flux = 198.
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\AHF1.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL ahf-v1.plt
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 base_p.inp base_p.out
** Particle Phase Base Case Model Run
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle Phase Base Case Model Run
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL
SO FINISHED

** 100 Meter Spacing out to 1 Km and 250 Meter Spacing out to 2.5 Km

RE STARTING

GRIDCART 100M STA
100M XYINC -1000. 21 100. -1000. 21 100.
100M END
GRIDCART 250M STA
250M XYINC -2500. 21 250. -2500. 21 250.
250M END
RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL BASE_P.PLT
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 base_pb.inp base_pb.out
** Particle-Bound Phase Base Case Model Run
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Base Case Model Run
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL
SO FINISHED

** 100 Meter Spacing out to 1 Km and 250 Meter Spacing out to 2.5 Km

RE STARTING

GRIDCART 100M STA
100M XYINC -1000. 21 100. -1000. 21 100.
100M END
GRIDCART 250M STA
250M XYINC -2500. 21 250. -2500. 21 250.
250M END
RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL BASE_PB.PLT
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 base_v.inp base_v.out
** Vapor Phase Base Case Model Run
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Base Case Model Run
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100 Meter Spacing out to 1 Km and 250 Meter Spacing out to 2.5 Km

RE STARTING

GRIDCART 100M STA
100M XYINC -1000. 21 100. -1000. 21 100.
100M END
GRIDCART 250M STA
250M XYINC -2500. 21 250. -2500. 21 250.
250M END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL BASE_V.PLT
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 bc_pbl.inp bc_pbl.out
** Particle-Bound Phase Base Case Model Run
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Base Case Model Run
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL BC_PBL.PLT

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 bc-ppl.inp bc-ppl.out
** Particle Phase Base Case Model Run
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Base Case Model Run
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL BC-PPL.PLT

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 bc_vl.inp bc_vl.out
** Vapor Phase Base Case Model Run
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Base Case Model Run
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL BC_VL.PLT

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 br-b1.inp br-b1.out
 ** Particle-Bound Phase Bowen Ratio Sensitivity Analysis
 ** Test Case No. 1: Bowen Ratio = 4.0
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Bowen Ratio Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Bowen Ratio = 4.0

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\BR1.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL br-b1.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 br-b2.inp br-b2.out
** Particle-Bound Phase Bowen Ratio Sensitivity Analysis
** Test Case No. 2: Bowen Ratio = 0.1
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Bowen Ratio Test Case No. 2
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Bowen Ratio = 0.1

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\BR2.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL br-b2.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 br-p1.inp br-p1.out
 ** Particle Phase Bowen Ratio Sensitivity Analysis
 ** Test Case No. 1: Bowen Ratio = 4.0
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Bowen Ratio Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Bowen Ratio = 4.0
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\BR1.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL br-p1.plt
 OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 br-p2.inp br-p2.out
 ** Particle Phase Bowen Ratio Sensitivity Analysis
 ** Test Case No. 2: Bowen Ratio = 0.1
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Bowen Ratio Test Case No. 2
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Bowen Ratio = 0.1
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\BR2.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL br-p2.plt
 OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 br-v1.inp br-v1.out
** Vapor Phase Bowen Ratio Sensitivity Analysis
** Test Case No. 1: Bowen Ratio = 4.0
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Bowen Ratio Test Case No. 1
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Bowen Ratio = 4.0
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\BR1.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL br-v1.plt
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 br-v2.inp br-v2.out
** Vapor Phase Bowen Ratio Sensitivity Analysis
** Test Case No. 2: Bowen Ratio = 0.1
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Bowen Ratio Test Case No. 2
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Bowen Ratio = 0.1
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\BR2.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL br-v2.plt
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 el-pb1.inp el-pb1.out
 ** Particle-Bound Phase Elevated Terrain Sensitivity Analysis
 ** Test Case No. 1: Terrain elevations = 10% of stack height
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Elevated Terrain Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTs ELEV
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING
RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL EL-PB1.PLT
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 el-pb2.inp el-pb2.out
 ** Particle-Bound Phase Elevated Terrain Sensitivity Analysis
 ** Test Case No. 2: Terrain elevations = 25% of stack height
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Elevated Terrain Test Case No. 2
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTS ELEV
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING
RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL EL-PB2.PLT
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 el-pp1.inp el-pp1.out
 ** Particle Phase Elevated Terrain Sensitivity Analysis
 ** Test Case No. 1: Terrain elevations = 10% of stack height
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Elevated Terrain Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTS ELEV
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING
RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL EL-PP1.PLT
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 el-pp2.inp el-pp2.out
 ** Particle Phase Elevated Terrain Sensitivity Analysis
 ** Test Case No. 2: Terrain elevations = 25% of stack height
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Elevated Terrain Test Case No. 2
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTS ELEV
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING
RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL EL-PP2.PLT
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 el-v1.inp el-v1.out
 ** Vapor Phase Elevated Terrain Sensitivity Analysis
 ** Test Case No. 1: Terrain elevations = 10% of stack height
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Elevated Terrain Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC WDEP WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTS ELEV
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

GAS-SCAV BIFUNIT LIQ 1.7E-4

GAS-SCAV BIFUNIT ICE 0.6E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 180. 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 303. 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

MAXDIR ELEV 307. 1.83 1.83 1.83 1.83

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING
RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL EL-V1.PLT
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 el-v2.inp el-v2.out
 ** Vapor Phase Elevated Terrain Sensitivity Analysis
 ** Test Case No. 2: Terrain elevations = 25% of stack height
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Elevated Terrain Test Case No. 2
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC WDEP WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTS ELEV
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

GAS-SCAV BIFUNIT LIQ 1.7E-4

GAS-SCAV BIFUNIT ICE 0.6E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 180. 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 303. 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57 4.57

MAXDIR ELEV 307. 4.57 4.57 4.57 4.57

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING
RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL EL-V2.PLT
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 mo-b1.inp mo-b1.out
 ** Particle-Bound Phase Monin-Obukhov Length Sensitivity Analysis
 ** Test Case 1: Min. Monin-Obukhov length = 150 meters
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Monin-Obukhov Length Test Case 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Min. M-O of 150m
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\MO1.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL mo-b1.plt
 OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 mo-b2.inp mo-b2.out
 ** Particle-Bound Phase Monin-Obukhov Length Sensitivity Analysis
 ** Test Case 2: Min. Monin-Obukhov length = 2 meters
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Monin-Obukhov Length Test Case 2
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Min. M-O of 2m

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\MO2.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL mo-b2.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 mobc-b.inp mobc-b.out
 ** Particle-Bound Phase Monin-Obukhov Length Sensitivity Analysis
 ** Base Case: Min. Monin-Obukhov length = 50 meters
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Monin-Obukhov Length Base Case
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Min. M-O of 50m
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL mobc-b.plt
 OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 mobc-p.inp mobc-p.out
 ** Particle Phase Monin-Obukhov Length Sensitivity Analysis
 ** Base Case: Min. Monin-Obukhov length = 50 meters
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Monin-Obukhov Length Base Case
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Min. M-O of 50m
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL mobc-p.plt
 OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 mobc-v.inp mobc-v.out
** Vapor Phase Monin-Obukhov Length Sensitivity Analysis
** Base Case: Min. Monin-Obukhov length = 50 meters
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Monin-Obukhov Length Base Case
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT URBAN
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Min. M-O of 50m
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL mobc-v.plt
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 mo-p1.inp mo-p1.out
 ** Particle Phase Monin-Obukhov Length Sensitivity Analysis
 ** Test Case 1: Min. Monin-Obukhov length = 150 meters
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Monin-Obukhov Length Test Case 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Min. M-O of 150m
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\MO1.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL mo-p1.plt
 OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 mo-p2.inp mo-p2.out
 ** Particle Phase Monin-Obukhov Length Sensitivity Analysis
 ** Test Case 2: Min. Monin-Obukhov length = 2 meters
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Monin-Obukhov Length Test Case 2
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Min. M-O of 2m

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\MO2.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL mo-p2.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 mo-v1.inp mo-v1.out
** Vapor Phase Monin-Obukhov Length Sensitivity Analysis
** Test Case 1: Min. Monin-Obukhov length = 150 meters
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Monin-Obukhov Length Test Case 1
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT URBAN
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Min. M-O of 150m
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\MO1.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL mo-v1.plt
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 mo-v2.inp mo-v2.out
** Vapor Phase Monin-Obukhov Length Sensitivity Analysis
** Test Case 2: Min. Monin-Obukhov length = 2 meters
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Monin-Obukhov Length Test Case 2
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT URBAN
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Min. M-O of 2m
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\MO2.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL mo-v2.plt
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 nr-b1.inp nr-b1.out
 ** Particle-Bound Phase Net Radiation Sensitivity Analysis
 ** Test Case No. 1: NR = 0.22 (Urban Mode)
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Net Radiation Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Net Radiation = 0.22

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\NR1.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL nr-b1.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 nrbc-b.inp nrbc-b.out
** Particle-Bound Phase Net Radiation Sensitivity Analysis
** Base Case: NR = 0.27 (Urban Mode)
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Net Radiation Base Case
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END

RE FINISHED

** PCRAMMET with Net Radiation = 0.27
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL nrbc-b.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 nrbc-p.inp nrbc-p.out
 ** Particle Phase Net Radiation Sensitivity Analysis
 ** Base Case: NR = 0.27 (Urban Mode)
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Net Radiation Base Case
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Net Radiation at Ground Level = 0.27
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL nrbc-p.plt
 OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 nrbc-v.inp nrbc-v.out
** Vapor Phase Net Radiation Sensitivity Analysis
** Base Case: NR = 0.27 (Urban Mode)
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Net Radiation Base Case
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT URBAN
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Net Radiation = 0.27
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL nrbc-v.plt
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 nr-p1.inp nr-p1.out
 ** Particle Phase Net Radiation Sensitivity Analysis
 ** Test Case No. 1: NR = 0.22 (Urban Mode)
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Net Radiation Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Net Radiation at Ground Level = 0.22
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\NR1.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL nr-p1.plt
 OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 nr-v1.inp nr-v1.out
** Vapor Phase Net Radiation Sensitivity Analysis
** Test Case No. 1: NR = 0.22 (Urban Mode)
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Net Radiation Test Case No. 1
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT URBAN
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Net Radiation = 0.22
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\NR1.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL nr-v1.plt
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 pd_pb1.inp pd_pb1.out
** Particle-Bound Phase with Density = 0.5 g/cm3
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase with Density = 0.5 g/cm3
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL PD-PB1.PLT

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 pd_pb2.inp pd_pb2.out
** Particle-Bound Phase with Density = 1.5 g/cm3
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase with Density = 1.5 g/cm3
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL PD-PB2.PLT

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 pd_pb3.inp pd_pb3.out
** Particle-Bound Phase with Density = 2.0 g/cm3
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase with Density = 2.0 g/cm3
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL PD-PB3.PLT

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 pd-pp1.inp pd-pp1.out
** Particle Phase with Particle Density = 0.5 g/cm3
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase with Particle Density = 0.5 g/cm3
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL PD-PP1.PLT

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 pd-pp2.inp pd-pp2.out
 ** Particle Phase with Particle Density = 1.5 g/cm3
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase with Particle Density = 1.5 g/cm3
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL

SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL PD-PP2.PLT

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 pd-pp3.inp pd-pp3.out
** Particle Phase with Particle Density = 2.0 g/cm3
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase with Particle Density = 2.0 g/cm3
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL PD-PP3.PLT

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 polar-b.inp polar-b.out
** Particle-Bound Phase Polar vs. Cartesian Sensitivity Analysis
** Test Case 1: Polar Grid Based on 12/94 EPA Guidance Doc.
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Polar vs. Cartesian Test Case 1
TITLETWO Polar Grid Based on 12/94 EPA Guidance Document
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** Polar Grid Based on 12/94 EPA Guidance Document

RE STARTING

GRIDPOLR POLR94 STA
POLR94 ORIG 0.0 0.0
POLR94 DIST 100. 150. 200. 300. 400. 500. 700. 1000.
POLR94 DIST 1500. 2000. 3000. 4000. 5000. 7000. 10000.
POLR94 DDIR 22.5 45. 67.5 90. 112.5 135. 157.5 180.
POLR94 DDIR 202.5 225. 247.5 270. 292.5 315. 337.5 360.
POLR94 END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL polar-b.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 polar-p.inp polar-p.out
** Particle Phase Polar vs. Cartesian Grid Sensitivity Analysis
** Test Case 1: Polar Grid based on 12/94 EPA Guidance Doc.
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Polar vs. Cartesian Test Case 1
TITLETWO Polar Grid Based on 12/94 EPA Guidance Doc.
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** Polar Grid Based on 12/94 EPA Guidance Document

RE STARTING

GRIDPOLR POLR94 STA
POLR94 ORIG 0.0 0.0
POLR94 DIST 100. 150. 200. 300. 400. 500. 700. 1000.
POLR94 DIST 1500. 2000. 3000. 4000. 5000. 7000. 10000.
POLR94 DDIR 22.5 45. 67.5 90. 112.5 135. 157.5 180.
POLR94 DDIR 202.5 225. 247.5 270. 292.5 315. 337.5 360.
POLR94 END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL polar-p.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 polar-v.inp polar-v.out
** Vapor Phase Polar vs. Cartesian Grid Sensitivity Analysis
** Test Case 1: Polar Grid Based on 12/94 EPA Guidance Doc.
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Polar vs. Cartesian Test Case 1
TITLETWO Polar Grid Based on 12/94 EPA Guidance Document
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL

SO FINISHED

** Polar Grid Based on 12/94 EPA Guidance Document

RE STARTING

GRIDPOLR POLR94 STA
POLR94 ORIG 0.0 0.0
POLR94 DIST 100. 150. 200. 300. 400. 500. 700. 1000.
POLR94 DIST 1500. 2000. 3000. 4000. 5000. 7000. 10000.
POLR94 DDIR 22.5 45. 67.5 90. 112.5 135. 157.5 180.
POLR94 DDIR 202.5 225. 247.5 270. 292.5 315. 337.5 360.
POLR94 END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL polar-v.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 polbc-b.inp polbc-b.out
** Particle-Bound Phase Polar vs. Cartesian Grid Sens. Anal.
** Base Case: Cartesian Receptor Grid out to 10 km
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Polar vs. Cartesian Grid Base Case Model Run

TITLETWO Cartesian Receptor Grid out to 10 km

MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL

AVERTIME PERIOD

POLLUTID UNITY

RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit

** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 100m Spacing to 1Km, 250m Spacing to 2.5Km, 500m spacing to 10km

RE STARTING

GRIDCART 100M STA

100M XYINC -1000. 21 100. -1000. 21 100.

100M END

GRIDCART 250M STA

250M XYINC -2500. 21 250. -2500. 21 250.

250M END

GRIDCART 500M STA

500M XYINC -10000. 41 500. -10000. 41 500.

500M END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL polbc-b.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 polbc-p.inp polbc-p.out
** Particle Phase Polar vs. Cartesian Grid Sens. Anal.
** Base Case: Cartesian Receptor Grid out to 10 km
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle Phase Polar vs. Cartesian Grid Base Case Model Run
TITLETWO Cartesian Receptor Grid out to 10 km
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100m Spacing to 1Km, 250m Spacing to 2.5Km, 500m spacing to 10km

RE STARTING

GRIDCART 100M STA
100M XYINC -1000. 21 100. -1000. 21 100.
100M END
GRIDCART 250M STA
250M XYINC -2500. 21 250. -2500. 21 250.
250M END
GRIDCART 500M STA
500M XYINC -10000. 41 500. -10000. 41 500.
500M END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL polbc-p.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 polbc-v.inp polbc-v.out
** Vapor Phase Polar vs. Cartesian Grid Sens. Anal.
** Base Case: Cartesian Receptor Grid out to 10 km
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Polar vs. Cartesian Grid Base Case Model Run
TITLETWO Cartesian Receptor Grid out to 10km
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL

SO FINISHED

** 100m Spacing to 1Km, 250m Spacing to 2.5Km, 500m spacing to 10km

RE STARTING

GRIDCART 100M STA
100M XYINC -1000. 21 100. -1000. 21 100.
100M END
GRIDCART 250M STA
250M XYINC -2500. 21 250. -2500. 21 250.
250M END
GRIDCART 500M STA
500M XYINC -10000. 41 500. -10000. 41 500.
500M END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL polbc-v.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 urb-b1.inp urb-b1.out
 ** Particle-Bound Phase Urban vs. Rural Sensitivity Analysis
 ** Test Case No. 1: Urban Mode Using Urban Met
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Urban vs. Rural Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Urban values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL urb-b1.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 urb-p1.inp urb-p1.out
 ** Particle Phase Urban vs. Rural Sensitivity Analysis
 ** Test Case 1: Urban Mode Using Urban Met
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Urban vs. Rural Test Case No. 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT URBAN
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Urban values selected for all parameters
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL urb-p1.plt
 OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 urb-v1.inp urb-v1.out
** Vapor Phase Urban vs. Rural Sensitivity Analysis
** Test Case No. 1: Urban Mode Using Urban Met
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Urban vs. Rural Test Case No. 1
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT URBAN
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Urban values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHURB.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL urb-v1.plt
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 sc-b1.inp sc-b1.out
 ** Particle-Bound Phase Scavenging Coefficient Sens. Analysis
 ** Test Case 1: ice scav. coeff. = liquid scav. coeff.
 ** Linear Receptor Grid in Direction of Maximum Wet Dep.
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Scavenging Coeff. Test Case 1
 TITLETWO Linear Receptor Grid in Direction of Max Wet Dep.
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180.
 MAXDIR END

RE FINISHED

** 1 hour of met with wind flow vector = 180 deg. & 1/2" frozen precip.

ME STARTING

INPUTFIL C:\METDATA\1HRICE.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1989 1HOUR-ICE
 UAIRDATA 03937 1989 1HOUR-ICE
 STARTEND 89 01 01 01 89 01 01 01
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL sc-b1.plt
 OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 scbc-b.inp scbc-b.out
** Particle-Bound Phase Scavenging Coefficient Sens. Analysis
** Base Case: ice scav. coeff. = 1/3 liquid scav. coeff.
** Linear Receptor Grid in Direction of Max Wet Deposition
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Scavenging Coeff. Base Case
TITLETWO Linear Receptor Grid in Direction of Max Wet Dep.
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180.

MAXDIR END

RE FINISHED

** 1 hour of met with wind flow vector = 180 deg. & 1/2" frozen precip.

ME STARTING

INPUTFIL C:\METDATA\1HRICE.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1989 1HOUR-ICE

UAIRDATA 03937 1989 1HOUR-ICE

STARTEND 89 01 01 01 89 01 01 01

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL scbc-b.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 scbc-p.inp scbc-p.out
** Particle Phase Scavenging Coefficient Sensitivity Analysis
** Base Case: ice scav. coef. = 1/3 liquid scav. coef.
** Linear Receptor Grid in Direction of Maximum Wet Deposition
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Scavenging Coefficient Base Case
TITLETWO Linear Receptor Grid in Direction of Maximum Wet Dep.
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180.
MAXDIR END
RE FINISHED

** 1 hour of met with wind flow vector = 180 deg. & 1/2" frozen precip.

ME STARTING

INPUTFIL C:\METDATA\1HRICE.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1989 1HOUR-ICE
UAIRDATA 03937 1989 1HOUR-ICE
STARTEND 89 01 01 01 89 01 01 01
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL SCBC-P.PLT
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 scbc-v.inp scbc-v.out
** Vapor Phase Scavenging Coefficient Sensitivity Analysis
** Base Case: ice scav. coeff. = 1/3 liquid scav. coeff.
** Linear Receptor Grid in Direction of Maximum Wet Deposition
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Scavenging Coefficient Base Case Model Run
TITLETWO Linear Receptor Grid in Direction of Max Wet Dep.
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180.
MAXDIR END
RE FINISHED

** 1 hour of met with wind flow vector = 180 deg. & 1/2" frozen precip.

ME STARTING

INPUTFIL C:\METDATA\1HRICE.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1989 1HOUR-ICE
UAIRDATA 03937 1989 1HOUR-ICE
STARTEND 89 01 01 01 89 01 01 01
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL scbc-v.plt
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 sc-p1.inp sc-p1.out
** Particle Phase Scavenging Coefficient Sensitivity Analysis
** Test Case 1: ice scav. coeff. = liquid scav. coef.
** Linear Receptor Grid in Direction of Maximum Wet Deposition
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Scavenging Coefficient Test Case 1
TITLETWO Linear Receptor Grid in Direction of Maximum Wet Dep.
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180.
MAXDIR END
RE FINISHED

** 1 hour of met with wind flow vector = 180 deg. & 1/2" frozen precip.

ME STARTING

INPUTFIL C:\METDATA\1HRICE.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1989 1HOUR-ICE
UAIRDATA 03937 1989 1HOUR-ICE
STARTEND 89 01 01 01 89 01 01 01
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL sc-p1.plt
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 sc-v1.inp sc-v1.out
** Vapor Phase Scavenging Coefficient Sensitivity Analysis
** Test Case 1: ice scav. coeff. = liquid scav. coeff.
** Linear Receptor Grid in Direction of Maximum Wet Deposition
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Scavenging Coefficient Test Case 1
TITLETWO Linear Receptor Grid in Direction of Max Wet Dep.
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 1.7E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180.
MAXDIR END
RE FINISHED

** 1 hour of met with wind flow vector = 180 deg. & 1/2" frozen precip.

ME STARTING

INPUTFIL C:\METDATA\1HRICE.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1989 1HOUR-ICE
UAIRDATA 03937 1989 1HOUR-ICE
STARTEND 89 01 01 01 89 01 01 01
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL sc-v1.plt
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 za-b1.inp za-b1.out
 ** Particle-Bound Phase Surface Roughness @ Applic. Site Sens. Anal.
 ** Test Case No. 1: Surf. Rough. at Applic. Site = 1.3
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Surf. Rough. @ Applic. Site Test Case 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Surface Rough. at Applic. Site = 1.3

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZA1.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL za-b1.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 za-b2.inp za-b2.out
** Particle-Bound Phase Surface Roughness @ Applic. Site Sens. Anal.
** Test Case No. 2: Surf. Rough. at Applic. Site = 0.001
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Surf. Rough. @ Applic. Site Test Case 2
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Surface Rough. at Applic. Site = 0.001
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZA2.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL za-b2.plt
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 za-p1.inp za-p1.out
** Particle Phase Surface Roughness @ Applic. Site Sens. An.
** Test Case No. 1: Surf. Rough. at Applic. Site = 1.3
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Surf. Rough. @ Appl. Site Test Case 1
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END

RE FINISHED

** PCRAMMET with Surf. Rough. at Applic. site = 1.3
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZA1.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL za-p1.plt
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 za-p2.inp za-p2.out
 ** Particle Phase Surface Roughness @ Applic. Site Sens. An.
 ** Test Case No. 2: Surf. Rough. at Applic. Site = 0.001
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Surf. Rough. @ Appl. Site Test Case 2
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Surf. Rough. at Applic. site = 0.001
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZA2.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL za-p2.plt
 OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 za-v1.inp za-v1.out
** Vapor Phase Surface Roughness @ Applic. Site Sens. Anal.
** Test Case No. 1: Surf. Rough. at Applic. Site = 1.3
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Surf. Rough. @ Applic. Site Test Case 1
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Surf. Rough. at Applic. Site = 1.3
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZA1.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL za-v1.plt
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 za-v2.inp za-v2.out
** Vapor Phase Surface Roughness @ Applic. Site Sens. Anal.
** Test Case No. 2: Surf. Rough. at Applic. Site = 0.001
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Surf. Rough. @ Applic. Site Test Case 2
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km
RE STARTING

GRIDPOLR MAXDIR STA
MAXDIR ORIG 0.0 0.0
MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
MAXDIR DDIR 180. 303. 307.
MAXDIR END
RE FINISHED

** PCRAMMET with Surf. Rough. at Applic. Site = 0.001
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZA2.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL za-v2.plt
OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 zm-b1.inp zm-b1.out
 ** Particle-Bound Phase Surf. Rough. @ Meas. Site Sens. Analysis
 ** Test Case No. 1: Surf. Rough. @ Meas. Site = 1.3
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Surf. Rough. @ Meas. Site Test Case 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Surf. Rough. @ Meas. Site = 1.3

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZM1.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL zm-b1.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 zm-b2.inp zm-b2.out
** Particle-Bound Phase Surf. Rough. @ Meas. Site Sens. Analysis
** Test Case No. 2: Surf. Rough. @ Meas. Site = 0.001
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Surf. Rough. @ Meas. Site Test Case 2
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Surf. Rough. @ Meas. Site = 0.001

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZM2.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL zm-b2.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 zm-p1.inp zm-p1.out
 ** Particle Phase Surf. Rough. @ Meas. Site Sens. Analysis
 ** Test Case No. 1: Surf. Rough. @ Meas. Site = 1.3
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Surf. Rough. @ Meas. Site Test Case 1
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Surf. Rough. @ Meas. Site = 1.3
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZM1.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL zm-p1.plt
 OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 zm-p2.inp zm-p2.out
 ** Particle Phase Surf. Rough. @ Meas. Site Sens. Analysis
 ** Test Case No. 2: Surf. Rough. @ Meas. Site = 0.001
 ** Linear Receptor Grid in Directions of Maximum Impact
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Surf. Rough. @ Meas. Site Test Case 2
 TITLETWO Linear Receptor Grid in Directions of Maximums
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 100M Spacing to 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA
 MAXDIR ORIG 0.0 0.0
 MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.
 MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.
 MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.
 MAXDIR DIST 30000. 35000. 40000. 45000. 50000.
 MAXDIR DDIR 180. 303. 307.
 MAXDIR END

RE FINISHED

** PCRAMMET with Surf. Rough. @ Meas. Site = 0.001
 ** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZM2.WET
 ANEMHGHT 20 FEET
 SURFDATA 12960 1981 HOUSTON-IAH
 UAIRDATA 03937 1981 LAKE-CHARLES
 ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
 MAXTABLE ALLAVE 50
 PLOTFILE PERIOD ALL zm-p2.plt
 OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 zm-v1.inp zm-v1.out
** Vapor Phase Surf. Rough. @ Meas. Site Sens. Analysis
** Test Case No. 1: Surf. Rough. @ Meas. Site = 1.3
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Surf. Rough. @ Meas. Site Test Case 1
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

GAS-SCAV BIFUNIT LIQ 1.7E-4

GAS-SCAV BIFUNIT ICE 0.6E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Surf. Rough. @ Meas. Site = 1.3

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZM1.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL zm-v1.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 zm-v2.inp zm-v2.out
** Vapor Phase Surf. Rough. @ Meas. Site Sens. Analysis
** Test Case No. 2: Surf. Rough. @ Meas. Site = 0.001
** Linear Receptor Grid in Directions of Maximum Impact
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Surf. Rough. @ Meas. Site Test Case 2
TITLETWO Linear Receptor Grid in Directions of Maximums
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

GAS-SCAV BIFUNIT LIQ 1.7E-4

GAS-SCAV BIFUNIT ICE 0.6E-4

SRCGROUP ALL

SO FINISHED

** 100M Spacing 1Km, 250M to 2.5Km, 500M to 5Km, 1Km to 10Km, 5Km to 50Km

RE STARTING

GRIDPOLR MAXDIR STA

MAXDIR ORIG 0.0 0.0

MAXDIR DIST 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

MAXDIR DIST 1250. 1500. 1750. 2000. 2250. 2500. 3000. 3500. 4000. 4500.

MAXDIR DIST 5000. 6000. 7000. 8000. 9000. 10000. 15000. 20000. 25000.

MAXDIR DIST 30000. 35000. 40000. 45000. 50000.

MAXDIR DDIR 180. 303. 307.

MAXDIR END

RE FINISHED

** PCRAMMET with Surf. Rough. @ Meas. Site = 0.001

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\ZM2.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL zm-v2.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 tg-b1.inp tg-b1.out
** Particle-Bound Phase Terrain Grid Sensitivity Analysis
** Test Case 1: 500m spaced receptors, 500m spaced terrain grid
** Linear Receptor Grid due north of the source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Terrain Grid Test Case No. 1
TITLETWO 500m spaced receptor grid, 500m spaced terrain grid
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
TERRHGTS ELEV
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 700000. 3000000.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 500m Spaced receptor grid out to 50km, due north of the source

RE STARTING

ELEVUNIT FEET
DISCCART 700000. 3000000. 0.
DISCCART 700000. 3000500. 10.
DISCCART 700000. 3001000. 18.
DISCCART 700000. 3001500. 10.
DISCCART 700000. 3002000. 32.
DISCCART 700000. 3002500. 50.
DISCCART 700000. 3003000. 30.
DISCCART 700000. 3003500. 75.
DISCCART 700000. 3004000. 46.
DISCCART 700000. 3004500. 65.
DISCCART 700000. 3005000. 100.
DISCCART 700000. 3005500. 70.
DISCCART 700000. 3006000. 80.
DISCCART 700000. 3006500. 65.
DISCCART 700000. 3007000. 105.
DISCCART 700000. 3007500. 175.
DISCCART 700000. 3008000. 200.
DISCCART 700000. 3008500. 155.
DISCCART 700000. 3009000. 150.
DISCCART 700000. 3009500. 205.
DISCCART 700000. 3010000. 225.
DISCCART 700000. 3010500. 185.
DISCCART 700000. 3011000. 195.
DISCCART 700000. 3011500. 195.

DISCCART 700000.3012000. 170.
DISCCART 700000.3012500. 180.
DISCCART 700000.3013000. 205.
DISCCART 700000.3013500. 230.
DISCCART 700000.3014000. 210.
DISCCART 700000.3014500. 180.
DISCCART 700000.3015000. 195.
DISCCART 700000.3015500. 160.
DISCCART 700000.3016000. 150.
DISCCART 700000.3016500. 210.
DISCCART 700000.3017000. 215.
DISCCART 700000.3017500. 265.
DISCCART 700000.3018000. 205.
DISCCART 700000.3018500. 240.
DISCCART 700000.3019000. 195.
DISCCART 700000.3019500. 270.
DISCCART 700000.3020000. 315.
DISCCART 700000.3020500. 235.
DISCCART 700000.3021000. 270.
DISCCART 700000.3021500. 215.
DISCCART 700000.3022000. 210.
DISCCART 700000.3022500. 280.
DISCCART 700000.3023000. 240.
DISCCART 700000.3023500. 295.
DISCCART 700000.3024000. 350.
DISCCART 700000.3024500. 290.
DISCCART 700000.3025000. 305.
DISCCART 700000.3025500. 280.
DISCCART 700000.3026000. 325.
DISCCART 700000.3026500. 370.
DISCCART 700000.3027000. 290.
DISCCART 700000.3027500. 300.
DISCCART 700000.3028000. 370.
DISCCART 700000.3028500. 400.
DISCCART 700000.3029000. 360.
DISCCART 700000.3029500. 295.
DISCCART 700000.3030000. 330.
DISCCART 700000.3030500. 340.
DISCCART 700000.3031000. 320.
DISCCART 700000.3031500. 350.
DISCCART 700000.3032000. 400.
DISCCART 700000.3032500. 375.
DISCCART 700000.3033000. 360.
DISCCART 700000.3033500. 330.
DISCCART 700000.3034000. 410.
DISCCART 700000.3034500. 370.
DISCCART 700000.3035000. 390.
DISCCART 700000.3035500. 405.
DISCCART 700000.3036000. 345.
DISCCART 700000.3036500. 340.
DISCCART 700000.3037000. 400.
DISCCART 700000.3037500. 440.
DISCCART 700000.3038000. 360.
DISCCART 700000.3038500. 375.
DISCCART 700000.3039000. 410.
DISCCART 700000.3039500. 375.
DISCCART 700000.3040000. 340.
DISCCART 700000.3040500. 385.
DISCCART 700000.3041000. 375.
DISCCART 700000.3041500. 345.

DISCCART 700000.3042000. 410.
DISCCART 700000.3042500. 420.
DISCCART 700000.3043000. 380.
DISCCART 700000.3043500. 410.
DISCCART 700000.3044000. 465.
DISCCART 700000.3044500. 470.
DISCCART 700000.3045000. 365.
DISCCART 700000.3045500. 380.
DISCCART 700000.3046000. 360.
DISCCART 700000.3046500. 390.
DISCCART 700000.3047000. 415.
DISCCART 700000.3047500. 390.
DISCCART 700000.3048000. 430.
DISCCART 700000.3048500. 430.
DISCCART 700000.3049000. 475.
DISCCART 700000.3049500. 495.
DISCCART 700000.3050000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

** 500m spaced terrain grid

TG STARTING

INPUTFIL 500ELEV.MSL

ELEVUNIT FEET

LOCATION 0.0 0.0

TG FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL tg-b1.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 tg-b2.inp tg-b2.out
** Particle-Bound Phase Terrain Grid Sensitivity Analysis
** Test Case 2: 500m spaced receptors, 250m spaced terrain grid
** Linear Receptor Grid due north of the source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Terrain Grid Test Case No. 2
TITLETWO 500m spaced receptor grid, 250m spaced terrain grid
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
TERRHGTS ELEV
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 700000. 3000000. 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 500m Spaced receptor grid out to 50km, due north of the source

RE STARTING

ELEVUNIT FEET
DISCCART 700000. 3000000. 0.
DISCCART 700000. 3000500. 10.
DISCCART 700000. 3001000. 18.
DISCCART 700000. 3001500. 10.
DISCCART 700000. 3002000. 32.
DISCCART 700000. 3002500. 50.
DISCCART 700000. 3003000. 30.
DISCCART 700000. 3003500. 75.
DISCCART 700000. 3004000. 46.
DISCCART 700000. 3004500. 65.
DISCCART 700000. 3005000. 100.
DISCCART 700000. 3005500. 70.
DISCCART 700000. 3006000. 80.
DISCCART 700000. 3006500. 65.
DISCCART 700000. 3007000. 105.
DISCCART 700000. 3007500. 175.
DISCCART 700000. 3008000. 200.
DISCCART 700000. 3008500. 155.
DISCCART 700000. 3009000. 150.
DISCCART 700000. 3009500. 205.
DISCCART 700000. 3010000. 225.
DISCCART 700000. 3010500. 185.
DISCCART 700000. 3011000. 195.
DISCCART 700000. 3011500. 195.

DISCCART 700000.3012000. 170.
DISCCART 700000.3012500. 180.
DISCCART 700000.3013000. 205.
DISCCART 700000.3013500. 230.
DISCCART 700000.3014000. 210.
DISCCART 700000.3014500. 180.
DISCCART 700000.3015000. 195.
DISCCART 700000.3015500. 160.
DISCCART 700000.3016000. 150.
DISCCART 700000.3016500. 210.
DISCCART 700000.3017000. 215.
DISCCART 700000.3017500. 265.
DISCCART 700000.3018000. 205.
DISCCART 700000.3018500. 240.
DISCCART 700000.3019000. 195.
DISCCART 700000.3019500. 270.
DISCCART 700000.3020000. 315.
DISCCART 700000.3020500. 235.
DISCCART 700000.3021000. 270.
DISCCART 700000.3021500. 215.
DISCCART 700000.3022000. 210.
DISCCART 700000.3022500. 280.
DISCCART 700000.3023000. 240.
DISCCART 700000.3023500. 295.
DISCCART 700000.3024000. 350.
DISCCART 700000.3024500. 290.
DISCCART 700000.3025000. 305.
DISCCART 700000.3025500. 280.
DISCCART 700000.3026000. 325.
DISCCART 700000.3026500. 370.
DISCCART 700000.3027000. 290.
DISCCART 700000.3027500. 300.
DISCCART 700000.3028000. 370.
DISCCART 700000.3028500. 400.
DISCCART 700000.3029000. 360.
DISCCART 700000.3029500. 295.
DISCCART 700000.3030000. 330.
DISCCART 700000.3030500. 340.
DISCCART 700000.3031000. 320.
DISCCART 700000.3031500. 350.
DISCCART 700000.3032000. 400.
DISCCART 700000.3032500. 375.
DISCCART 700000.3033000. 360.
DISCCART 700000.3033500. 330.
DISCCART 700000.3034000. 410.
DISCCART 700000.3034500. 370.
DISCCART 700000.3035000. 390.
DISCCART 700000.3035500. 405.
DISCCART 700000.3036000. 345.
DISCCART 700000.3036500. 340.
DISCCART 700000.3037000. 400.
DISCCART 700000.3037500. 440.
DISCCART 700000.3038000. 360.
DISCCART 700000.3038500. 375.
DISCCART 700000.3039000. 410.
DISCCART 700000.3039500. 375.
DISCCART 700000.3040000. 340.
DISCCART 700000.3040500. 385.
DISCCART 700000.3041000. 375.
DISCCART 700000.3041500. 345.

DISCCART 700000.3042000. 410.
DISCCART 700000.3042500. 420.
DISCCART 700000.3043000. 380.
DISCCART 700000.3043500. 410.
DISCCART 700000.3044000. 465.
DISCCART 700000.3044500. 470.
DISCCART 700000.3045000. 365.
DISCCART 700000.3045500. 380.
DISCCART 700000.3046000. 360.
DISCCART 700000.3046500. 390.
DISCCART 700000.3047000. 415.
DISCCART 700000.3047500. 390.
DISCCART 700000.3048000. 430.
DISCCART 700000.3048500. 430.
DISCCART 700000.3049000. 475.
DISCCART 700000.3049500. 495.
DISCCART 700000.3050000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

** 250m spaced terrain grid

TG STARTING

INPUTFIL 250ELEV.MSL

ELEVUNIT FEET

LOCATION 0.0 0.0

TG FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL tg-b2.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 tg-b3.inp tg-b3.out
 ** Particle-Bound Phase Terrain Grid Sensitivity Analysis
 ** Test Case 3: 500m spaced receptors, 100m spaced terrain grid
 ** Linear Receptor Grid due north of the source
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Terrain Grid Test Case No. 3
 TITLETWO 500m spaced receptor grid, 100m spaced terrain grid
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTS ELEV
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 700000. 3000000. 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL

SO FINISHED

** 500m Spaced receptor grid out to 50km, due north of the source

RE STARTING

ELEVUNIT FEET
 DISCCART 700000. 3000000. 0.
 DISCCART 700000. 3000500. 10.
 DISCCART 700000. 3001000. 18.
 DISCCART 700000. 3001500. 10.
 DISCCART 700000. 3002000. 32.
 DISCCART 700000. 3002500. 50.
 DISCCART 700000. 3003000. 30.
 DISCCART 700000. 3003500. 75.
 DISCCART 700000. 3004000. 46.
 DISCCART 700000. 3004500. 65.
 DISCCART 700000. 3005000. 100.
 DISCCART 700000. 3005500. 70.
 DISCCART 700000. 3006000. 80.
 DISCCART 700000. 3006500. 65.
 DISCCART 700000. 3007000. 105.
 DISCCART 700000. 3007500. 175.
 DISCCART 700000. 3008000. 200.
 DISCCART 700000. 3008500. 155.
 DISCCART 700000. 3009000. 150.
 DISCCART 700000. 3009500. 205.
 DISCCART 700000. 3010000. 225.
 DISCCART 700000. 3010500. 185.
 DISCCART 700000. 3011000. 195.
 DISCCART 700000. 3011500. 195.

DISCCART 700000.3012000. 170.
DISCCART 700000.3012500. 180.
DISCCART 700000.3013000. 205.
DISCCART 700000.3013500. 230.
DISCCART 700000.3014000. 210.
DISCCART 700000.3014500. 180.
DISCCART 700000.3015000. 195.
DISCCART 700000.3015500. 160.
DISCCART 700000.3016000. 150.
DISCCART 700000.3016500. 210.
DISCCART 700000.3017000. 215.
DISCCART 700000.3017500. 265.
DISCCART 700000.3018000. 205.
DISCCART 700000.3018500. 240.
DISCCART 700000.3019000. 195.
DISCCART 700000.3019500. 270.
DISCCART 700000.3020000. 315.
DISCCART 700000.3020500. 235.
DISCCART 700000.3021000. 270.
DISCCART 700000.3021500. 215.
DISCCART 700000.3022000. 210.
DISCCART 700000.3022500. 280.
DISCCART 700000.3023000. 240.
DISCCART 700000.3023500. 295.
DISCCART 700000.3024000. 350.
DISCCART 700000.3024500. 290.
DISCCART 700000.3025000. 305.
DISCCART 700000.3025500. 280.
DISCCART 700000.3026000. 325.
DISCCART 700000.3026500. 370.
DISCCART 700000.3027000. 290.
DISCCART 700000.3027500. 300.
DISCCART 700000.3028000. 370.
DISCCART 700000.3028500. 400.
DISCCART 700000.3029000. 360.
DISCCART 700000.3029500. 295.
DISCCART 700000.3030000. 330.
DISCCART 700000.3030500. 340.
DISCCART 700000.3031000. 320.
DISCCART 700000.3031500. 350.
DISCCART 700000.3032000. 400.
DISCCART 700000.3032500. 375.
DISCCART 700000.3033000. 360.
DISCCART 700000.3033500. 330.
DISCCART 700000.3034000. 410.
DISCCART 700000.3034500. 370.
DISCCART 700000.3035000. 390.
DISCCART 700000.3035500. 405.
DISCCART 700000.3036000. 345.
DISCCART 700000.3036500. 340.
DISCCART 700000.3037000. 400.
DISCCART 700000.3037500. 440.
DISCCART 700000.3038000. 360.
DISCCART 700000.3038500. 375.
DISCCART 700000.3039000. 410.
DISCCART 700000.3039500. 375.
DISCCART 700000.3040000. 340.
DISCCART 700000.3040500. 385.
DISCCART 700000.3041000. 375.
DISCCART 700000.3041500. 345.

DISCCART 700000. 3042000. 410.
DISCCART 700000. 3042500. 420.
DISCCART 700000. 3043000. 380.
DISCCART 700000. 3043500. 410.
DISCCART 700000. 3044000. 465.
DISCCART 700000. 3044500. 470.
DISCCART 700000. 3045000. 365.
DISCCART 700000. 3045500. 380.
DISCCART 700000. 3046000. 360.
DISCCART 700000. 3046500. 390.
DISCCART 700000. 3047000. 415.
DISCCART 700000. 3047500. 390.
DISCCART 700000. 3048000. 430.
DISCCART 700000. 3048500. 430.
DISCCART 700000. 3049000. 475.
DISCCART 700000. 3049500. 495.
DISCCART 700000. 3050000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

** 100m spaced terrain grid

TG STARTING

INPUTFIL 100ELEV.MSL

ELEVUNIT FEET

LOCATION 0.0 0.0

TG FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL tg-b3.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 tgbc-b.inp tgbc-b.out
 ** Particle-Bound Phase Terrain Grid Sensitivity Analysis
 ** Base Case: 500m spaced receptors, no terrain grid
 ** Linear Receptor Grid due north of the source
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Terrain Grid Base Case Model Run
 TITLETWO 500m spaced receptor grid, no terrain grid
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTS ELEV
 RUNORNOT RUN
 CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters: ---- ---- ---- ---- ---
 SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL
 SO FINISHED

** 500m Spaced receptor grid out to 50km, due north of the source

RE STARTING

ELEVUNIT FEET
 DISCCART 0. 0. 0.
 DISCCART 0. 500. 10.
 DISCCART 0. 1000. 18.
 DISCCART 0. 1500. 10.
 DISCCART 0. 2000. 32.
 DISCCART 0. 2500. 50.
 DISCCART 0. 3000. 30.
 DISCCART 0. 3500. 75.
 DISCCART 0. 4000. 46.
 DISCCART 0. 4500. 65.
 DISCCART 0. 5000. 100.
 DISCCART 0. 5500. 70.
 DISCCART 0. 6000. 80.
 DISCCART 0. 6500. 65.
 DISCCART 0. 7000. 105.
 DISCCART 0. 7500. 175.
 DISCCART 0. 8000. 200.
 DISCCART 0. 8500. 155.
 DISCCART 0. 9000. 150.
 DISCCART 0. 9500. 205.
 DISCCART 0. 10000. 225.
 DISCCART 0. 10500. 185.
 DISCCART 0. 11000. 195.
 DISCCART 0. 11500. 195.

DISCCART	0.	12000.	170.
DISCCART	0.	12500.	180.
DISCCART	0.	13000.	205.
DISCCART	0.	13500.	230.
DISCCART	0.	14000.	210.
DISCCART	0.	14500.	180.
DISCCART	0.	15000.	195.
DISCCART	0.	15500.	160.
DISCCART	0.	16000.	150.
DISCCART	0.	16500.	210.
DISCCART	0.	17000.	215.
DISCCART	0.	17500.	265.
DISCCART	0.	18000.	205.
DISCCART	0.	18500.	240.
DISCCART	0.	19000.	195.
DISCCART	0.	19500.	270.
DISCCART	0.	20000.	315.
DISCCART	0.	20500.	235.
DISCCART	0.	21000.	270.
DISCCART	0.	21500.	215.
DISCCART	0.	22000.	210.
DISCCART	0.	22500.	280.
DISCCART	0.	23000.	240.
DISCCART	0.	23500.	295.
DISCCART	0.	24000.	350.
DISCCART	0.	24500.	290.
DISCCART	0.	25000.	305.
DISCCART	0.	25500.	280.
DISCCART	0.	26000.	325.
DISCCART	0.	26500.	370.
DISCCART	0.	27000.	290.
DISCCART	0.	27500.	300.
DISCCART	0.	28000.	370.
DISCCART	0.	28500.	400.
DISCCART	0.	29000.	360.
DISCCART	0.	29500.	295.
DISCCART	0.	30000.	330.
DISCCART	0.	30500.	340.
DISCCART	0.	31000.	320.
DISCCART	0.	31500.	350.
DISCCART	0.	32000.	400.
DISCCART	0.	32500.	375.
DISCCART	0.	33000.	360.
DISCCART	0.	33500.	330.
DISCCART	0.	34000.	410.
DISCCART	0.	34500.	370.
DISCCART	0.	35000.	390.
DISCCART	0.	35500.	405.
DISCCART	0.	36000.	345.
DISCCART	0.	36500.	340.
DISCCART	0.	37000.	400.
DISCCART	0.	37500.	440.
DISCCART	0.	38000.	360.
DISCCART	0.	38500.	375.
DISCCART	0.	39000.	410.
DISCCART	0.	39500.	375.
DISCCART	0.	40000.	340.
DISCCART	0.	40500.	385.
DISCCART	0.	41000.	375.
DISCCART	0.	41500.	345.

DISCCART 0. 42000. 410.
DISCCART 0. 42500. 420.
DISCCART 0. 43000. 380.
DISCCART 0. 43500. 410.
DISCCART 0. 44000. 465.
DISCCART 0. 44500. 470.
DISCCART 0. 45000. 365.
DISCCART 0. 45500. 380.
DISCCART 0. 46000. 360.
DISCCART 0. 46500. 390.
DISCCART 0. 47000. 415.
DISCCART 0. 47500. 390.
DISCCART 0. 48000. 430.
DISCCART 0. 48500. 430.
DISCCART 0. 49000. 475.
DISCCART 0. 49500. 495.
DISCCART 0. 50000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL tgbc-b.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 tgbc-p.inp tgbc-p.out
 ** Particle Phase Terrain Grid Sensitivity Analysis
 ** Base Case: 500m spaced receptors, no terrain grid
 ** Linear Receptor Grid due north of the source
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Terrain Grid Base Case Model Run
 TITLETWO 500m spaced receptor grid, no terrain grid
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTS ELEV
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL

SO FINISHED

** 500M Spaced Receptor Grid out to 50 km, due north of the source

RE STARTING

ELEVUNIT FEET

DISCCART	0.	0.	0.
DISCCART	0.	500.	10.
DISCCART	0.	1000.	18.
DISCCART	0.	1500.	10.
DISCCART	0.	2000.	32.
DISCCART	0.	2500.	50.
DISCCART	0.	3000.	30.
DISCCART	0.	3500.	75.
DISCCART	0.	4000.	46.
DISCCART	0.	4500.	65.
DISCCART	0.	5000.	100.
DISCCART	0.	5500.	70.
DISCCART	0.	6000.	80.
DISCCART	0.	6500.	65.
DISCCART	0.	7000.	105.
DISCCART	0.	7500.	175.
DISCCART	0.	8000.	200.
DISCCART	0.	8500.	155.
DISCCART	0.	9000.	150.
DISCCART	0.	9500.	205.
DISCCART	0.	10000.	225.
DISCCART	0.	10500.	185.
DISCCART	0.	11000.	195.
DISCCART	0.	11500.	195.

DISCCART 0. 12000. 170.
DISCCART 0. 12500. 180.
DISCCART 0. 13000. 205.
DISCCART 0. 13500. 230.
DISCCART 0. 14000. 210.
DISCCART 0. 14500. 180.
DISCCART 0. 15000. 195.
DISCCART 0. 15500. 160.
DISCCART 0. 16000. 150.
DISCCART 0. 16500. 210.
DISCCART 0. 17000. 215.
DISCCART 0. 17500. 265.
DISCCART 0. 18000. 205.
DISCCART 0. 18500. 240.
DISCCART 0. 19000. 195.
DISCCART 0. 19500. 270.
DISCCART 0. 20000. 315.
DISCCART 0. 20500. 235.
DISCCART 0. 21000. 270.
DISCCART 0. 21500. 215.
DISCCART 0. 22000. 210.
DISCCART 0. 22500. 280.
DISCCART 0. 23000. 240.
DISCCART 0. 23500. 295.
DISCCART 0. 24000. 350.
DISCCART 0. 24500. 290.
DISCCART 0. 25000. 305.
DISCCART 0. 25500. 280.
DISCCART 0. 26000. 325.
DISCCART 0. 26500. 370.
DISCCART 0. 27000. 290.
DISCCART 0. 27500. 300.
DISCCART 0. 28000. 370.
DISCCART 0. 28500. 400.
DISCCART 0. 29000. 360.
DISCCART 0. 29500. 295.
DISCCART 0. 30000. 330.
DISCCART 0. 30500. 340.
DISCCART 0. 31000. 320.
DISCCART 0. 31500. 350.
DISCCART 0. 32000. 400.
DISCCART 0. 32500. 375.
DISCCART 0. 33000. 360.
DISCCART 0. 33500. 330.
DISCCART 0. 34000. 410.
DISCCART 0. 34500. 370.
DISCCART 0. 35000. 390.
DISCCART 0. 35500. 405.
DISCCART 0. 36000. 345.
DISCCART 0. 36500. 340.
DISCCART 0. 37000. 400.
DISCCART 0. 37500. 440.
DISCCART 0. 38000. 360.
DISCCART 0. 38500. 375.
DISCCART 0. 39000. 410.
DISCCART 0. 39500. 375.
DISCCART 0. 40000. 340.
DISCCART 0. 40500. 385.
DISCCART 0. 41000. 375.
DISCCART 0. 41500. 345.

DISCCART 0. 42000. 410.
DISCCART 0. 42500. 420.
DISCCART 0. 43000. 380.
DISCCART 0. 43500. 410.
DISCCART 0. 44000. 465.
DISCCART 0. 44500. 470.
DISCCART 0. 45000. 365.
DISCCART 0. 45500. 380.
DISCCART 0. 46000. 360.
DISCCART 0. 46500. 390.
DISCCART 0. 47000. 415.
DISCCART 0. 47500. 390.
DISCCART 0. 48000. 430.
DISCCART 0. 48500. 430.
DISCCART 0. 49000. 475.
DISCCART 0. 49500. 495.
DISCCART 0. 50000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL TGBC-P.PLT

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 tgbc-v.inp tgbc-v.out
** Vapor Phase Terrain Grid Sensitivity Analysis
** Base Case: 500m spaced receptors, no terrain grid
** Linear Receptor Grid due north of the source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Terrain Grid Base Case Model Run
TITLETWO 500m spaced receptor grid, no terrain grid
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
TERRHGTS ELEV
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

GAS-SCAV BIFUNIT LIQ 1.7E-4

GAS-SCAV BIFUNIT ICE 0.6E-4

SRCGROUP ALL

SO FINISHED

** 500M spaced receptor grid out to 50km, due north of the source

RE STARTING

ELEVUNIT FEET

DISCCART 0. 0. 0.

DISCCART 0. 500. 10.

DISCCART 0. 1000. 18.

DISCCART 0. 1500. 10.

DISCCART 0. 2000. 32.

DISCCART 0. 2500. 50.

DISCCART 0. 3000. 30.

DISCCART 0. 3500. 75.

DISCCART 0. 4000. 46.

DISCCART 0. 4500. 65.

DISCCART 0. 5000. 100.

DISCCART 0. 5500. 70.

DISCCART 0. 6000. 80.

DISCCART 0. 6500. 65.

DISCCART 0. 7000. 105.

DISCCART 0. 7500. 175.

DISCCART 0. 8000. 200.

DISCCART 0. 8500. 155.

DISCCART 0. 9000. 150.

DISCCART 0. 9500. 205.

DISCCART 0. 10000. 225.

DISCCART 0. 10500. 185.

DISCCART 0. 11000. 195.

DISCCART 0. 11500. 195.

DISCCART 0. 12000. 170.

DISCCART 0. 12500. 180.

DISCCART 0. 13000. 205.

DISCCART 0. 13500. 230.
DISCCART 0. 14000. 210.
DISCCART 0. 14500. 180.
DISCCART 0. 15000. 195.
DISCCART 0. 15500. 160.
DISCCART 0. 16000. 150.
DISCCART 0. 16500. 210.
DISCCART 0. 17000. 215.
DISCCART 0. 17500. 265.
DISCCART 0. 18000. 205.
DISCCART 0. 18500. 240.
DISCCART 0. 19000. 195.
DISCCART 0. 19500. 270.
DISCCART 0. 20000. 315.
DISCCART 0. 20500. 235.
DISCCART 0. 21000. 270.
DISCCART 0. 21500. 215.
DISCCART 0. 22000. 210.
DISCCART 0. 22500. 280.
DISCCART 0. 23000. 240.
DISCCART 0. 23500. 295.
DISCCART 0. 24000. 350.
DISCCART 0. 24500. 290.
DISCCART 0. 25000. 305.
DISCCART 0. 25500. 280.
DISCCART 0. 26000. 325.
DISCCART 0. 26500. 370.
DISCCART 0. 27000. 290.
DISCCART 0. 27500. 300.
DISCCART 0. 28000. 370.
DISCCART 0. 28500. 400.
DISCCART 0. 29000. 360.
DISCCART 0. 29500. 295.
DISCCART 0. 30000. 330.
DISCCART 0. 30500. 340.
DISCCART 0. 31000. 320.
DISCCART 0. 31500. 350.
DISCCART 0. 32000. 400.
DISCCART 0. 32500. 375.
DISCCART 0. 33000. 360.
DISCCART 0. 33500. 330.
DISCCART 0. 34000. 410.
DISCCART 0. 34500. 370.
DISCCART 0. 35000. 390.
DISCCART 0. 35500. 405.
DISCCART 0. 36000. 345.
DISCCART 0. 36500. 340.
DISCCART 0. 37000. 400.
DISCCART 0. 37500. 440.
DISCCART 0. 38000. 360.
DISCCART 0. 38500. 375.
DISCCART 0. 39000. 410.
DISCCART 0. 39500. 375.
DISCCART 0. 40000. 340.
DISCCART 0. 40500. 385.
DISCCART 0. 41000. 375.
DISCCART 0. 41500. 345.
DISCCART 0. 42000. 410.
DISCCART 0. 42500. 420.
DISCCART 0. 43000. 380.

DISCCART 0. 43500. 410.
DISCCART 0. 44000. 465.
DISCCART 0. 44500. 470.
DISCCART 0. 45000. 365.
DISCCART 0. 45500. 380.
DISCCART 0. 46000. 360.
DISCCART 0. 46500. 390.
DISCCART 0. 47000. 415.
DISCCART 0. 47500. 390.
DISCCART 0. 48000. 430.
DISCCART 0. 48500. 430.
DISCCART 0. 49000. 475.
DISCCART 0. 49500. 495.
DISCCART 0. 50000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL tgbc-v.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 tg-p1.inp tg-p1.out
** Particle Phase Terrain Grid Sensitivity Analysis
** Test Case 1: 500m spaced receptors, 500m spaced terrain grid
** Linear Receptor Grid due north of the source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Terrain Grid Test Case No. 1
TITLETWO 500m spaced receptor grid, 500m spaced terrain grid
MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
TERRHGTS ELEV
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 700000. 3000000. 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 500M Spaced Receptor Grid out to 50 km, due north of the source

RE STARTING

ELEVUNIT FEET
DISCCART 700000. 3000000. 0.
DISCCART 700000. 3000500. 10.
DISCCART 700000. 3001000. 18.
DISCCART 700000. 3001500. 10.
DISCCART 700000. 3002000. 32.
DISCCART 700000. 3002500. 50.
DISCCART 700000. 3003000. 30.
DISCCART 700000. 3003500. 75.
DISCCART 700000. 3004000. 46.
DISCCART 700000. 3004500. 65.
DISCCART 700000. 3005000. 100.
DISCCART 700000. 3005500. 70.
DISCCART 700000. 3006000. 80.
DISCCART 700000. 3006500. 65.
DISCCART 700000. 3007000. 105.
DISCCART 700000. 3007500. 175.
DISCCART 700000. 3008000. 200.
DISCCART 700000. 3008500. 155.
DISCCART 700000. 3009000. 150.
DISCCART 700000. 3009500. 205.
DISCCART 700000. 3010000. 225.
DISCCART 700000. 3010500. 185.
DISCCART 700000. 3011000. 195.
DISCCART 700000. 3011500. 195.

DISCCART 700000.3012000. 170.
DISCCART 700000.3012500. 180.
DISCCART 700000.3013000. 205.
DISCCART 700000.3013500. 230.
DISCCART 700000.3014000. 210.
DISCCART 700000.3014500. 180.
DISCCART 700000.3015000. 195.
DISCCART 700000.3015500. 160.
DISCCART 700000.3016000. 150.
DISCCART 700000.3016500. 210.
DISCCART 700000.3017000. 215.
DISCCART 700000.3017500. 265.
DISCCART 700000.3018000. 205.
DISCCART 700000.3018500. 240.
DISCCART 700000.3019000. 195.
DISCCART 700000.3019500. 270.
DISCCART 700000.3020000. 315.
DISCCART 700000.3020500. 235.
DISCCART 700000.3021000. 270.
DISCCART 700000.3021500. 215.
DISCCART 700000.3022000. 210.
DISCCART 700000.3022500. 280.
DISCCART 700000.3023000. 240.
DISCCART 700000.3023500. 295.
DISCCART 700000.3024000. 350.
DISCCART 700000.3024500. 290.
DISCCART 700000.3025000. 305.
DISCCART 700000.3025500. 280.
DISCCART 700000.3026000. 325.
DISCCART 700000.3026500. 370.
DISCCART 700000.3027000. 290.
DISCCART 700000.3027500. 300.
DISCCART 700000.3028000. 370.
DISCCART 700000.3028500. 400.
DISCCART 700000.3029000. 360.
DISCCART 700000.3029500. 295.
DISCCART 700000.3030000. 330.
DISCCART 700000.3030500. 340.
DISCCART 700000.3031000. 320.
DISCCART 700000.3031500. 350.
DISCCART 700000.3032000. 400.
DISCCART 700000.3032500. 375.
DISCCART 700000.3033000. 360.
DISCCART 700000.3033500. 330.
DISCCART 700000.3034000. 410.
DISCCART 700000.3034500. 370.
DISCCART 700000.3035000. 390.
DISCCART 700000.3035500. 405.
DISCCART 700000.3036000. 345.
DISCCART 700000.3036500. 340.
DISCCART 700000.3037000. 400.
DISCCART 700000.3037500. 440.
DISCCART 700000.3038000. 360.
DISCCART 700000.3038500. 375.
DISCCART 700000.3039000. 410.
DISCCART 700000.3039500. 375.
DISCCART 700000.3040000. 340.
DISCCART 700000.3040500. 385.
DISCCART 700000.3041000. 375.
DISCCART 700000.3041500. 345.

DISCCART 700000. 3042000. 410.
DISCCART 700000. 3042500. 420.
DISCCART 700000. 3043000. 380.
DISCCART 700000. 3043500. 410.
DISCCART 700000. 3044000. 465.
DISCCART 700000. 3044500. 470.
DISCCART 700000. 3045000. 365.
DISCCART 700000. 3045500. 380.
DISCCART 700000. 3046000. 360.
DISCCART 700000. 3046500. 390.
DISCCART 700000. 3047000. 415.
DISCCART 700000. 3047500. 390.
DISCCART 700000. 3048000. 430.
DISCCART 700000. 3048500. 430.
DISCCART 700000. 3049000. 475.
DISCCART 700000. 3049500. 495.
DISCCART 700000. 3050000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

** 500m spaced terrain grid

TG STARTING

INPUTFIL 500ELEV.MSL

ELEVUNIT FEET

LOCATION 0.0 0.0

TG FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL tg-p1.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 tg-p2.inp tg-p2.out
 ** Particle Phase Terrain Grid Sensitivity Analysis
 ** Test Case 2: 500m spaced receptors, 250m spaced terrain grid
 ** Linear Receptor Grid due north of the source
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Terrain Grid Test Case No. 2
 TITLETWO 500m spaced receptor grid, 250m spaced terrain grid
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTS ELEV
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 700000. 3000000. 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL

SO FINISHED

** 500M Spaced Receptor Grid out to 50 km, due north of the source

RE STARTING

ELEVUNIT FEET
 DISCCART 700000. 3000000. 0.
 DISCCART 700000. 3000500. 10.
 DISCCART 700000. 3001000. 18.
 DISCCART 700000. 3001500. 10.
 DISCCART 700000. 3002000. 32.
 DISCCART 700000. 3002500. 50.
 DISCCART 700000. 3003000. 30.
 DISCCART 700000. 3003500. 75.
 DISCCART 700000. 3004000. 46.
 DISCCART 700000. 3004500. 65.
 DISCCART 700000. 3005000. 100.
 DISCCART 700000. 3005500. 70.
 DISCCART 700000. 3006000. 80.
 DISCCART 700000. 3006500. 65.
 DISCCART 700000. 3007000. 105.
 DISCCART 700000. 3007500. 175.
 DISCCART 700000. 3008000. 200.
 DISCCART 700000. 3008500. 155.
 DISCCART 700000. 3009000. 150.
 DISCCART 700000. 3009500. 205.
 DISCCART 700000. 3010000. 225.
 DISCCART 700000. 3010500. 185.
 DISCCART 700000. 3011000. 195.
 DISCCART 700000. 3011500. 195.

DISCCART 700000.3012000. 170.
DISCCART 700000.3012500. 180.
DISCCART 700000.3013000. 205.
DISCCART 700000.3013500. 230.
DISCCART 700000.3014000. 210.
DISCCART 700000.3014500. 180.
DISCCART 700000.3015000. 195.
DISCCART 700000.3015500. 160.
DISCCART 700000.3016000. 150.
DISCCART 700000.3016500. 210.
DISCCART 700000.3017000. 215.
DISCCART 700000.3017500. 265.
DISCCART 700000.3018000. 205.
DISCCART 700000.3018500. 240.
DISCCART 700000.3019000. 195.
DISCCART 700000.3019500. 270.
DISCCART 700000.3020000. 315.
DISCCART 700000.3020500. 235.
DISCCART 700000.3021000. 270.
DISCCART 700000.3021500. 215.
DISCCART 700000.3022000. 210.
DISCCART 700000.3022500. 280.
DISCCART 700000.3023000. 240.
DISCCART 700000.3023500. 295.
DISCCART 700000.3024000. 350.
DISCCART 700000.3024500. 290.
DISCCART 700000.3025000. 305.
DISCCART 700000.3025500. 280.
DISCCART 700000.3026000. 325.
DISCCART 700000.3026500. 370.
DISCCART 700000.3027000. 290.
DISCCART 700000.3027500. 300.
DISCCART 700000.3028000. 370.
DISCCART 700000.3028500. 400.
DISCCART 700000.3029000. 360.
DISCCART 700000.3029500. 295.
DISCCART 700000.3030000. 330.
DISCCART 700000.3030500. 340.
DISCCART 700000.3031000. 320.
DISCCART 700000.3031500. 350.
DISCCART 700000.3032000. 400.
DISCCART 700000.3032500. 375.
DISCCART 700000.3033000. 360.
DISCCART 700000.3033500. 330.
DISCCART 700000.3034000. 410.
DISCCART 700000.3034500. 370.
DISCCART 700000.3035000. 390.
DISCCART 700000.3035500. 405.
DISCCART 700000.3036000. 345.
DISCCART 700000.3036500. 340.
DISCCART 700000.3037000. 400.
DISCCART 700000.3037500. 440.
DISCCART 700000.3038000. 360.
DISCCART 700000.3038500. 375.
DISCCART 700000.3039000. 410.
DISCCART 700000.3039500. 375.
DISCCART 700000.3040000. 340.
DISCCART 700000.3040500. 385.
DISCCART 700000.3041000. 375.
DISCCART 700000.3041500. 345.

DISCCART 700000.3042000. 410.
DISCCART 700000.3042500. 420.
DISCCART 700000.3043000. 380.
DISCCART 700000.3043500. 410.
DISCCART 700000.3044000. 465.
DISCCART 700000.3044500. 470.
DISCCART 700000.3045000. 365.
DISCCART 700000.3045500. 380.
DISCCART 700000.3046000. 360.
DISCCART 700000.3046500. 390.
DISCCART 700000.3047000. 415.
DISCCART 700000.3047500. 390.
DISCCART 700000.3048000. 430.
DISCCART 700000.3048500. 430.
DISCCART 700000.3049000. 475.
DISCCART 700000.3049500. 495.
DISCCART 700000.3050000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

** 250m spaced terrain grid

TG STARTING

INPUTFIL 250ELEV.MSL

ELEVUNIT FEET

LOCATION 0.0 0.0

TG FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL tg-p2.plt

OU FINISHED

** EPA Model Sensitivity Study
 ** ISCST3 tg-p3.inp tg-p3.out
 ** Particle Phase Terrain Grid Sensitivity Analysis
 ** Test Case 3: 500m spaced receptors, 100m spaced terrain grid
 ** Linear Receptor Grid due north of the source
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc., Dry Dep. and Wet Dep.

CO STARTING

TITLEONE Particle Phase Terrain Grid Test Case No. 3
 TITLETWO 500m spaced receptor grid, 100m spaced terrain grid
 MODELOPT DFAULT CONC DDEP WDEP DRYDPLT WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTS ELEV
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 700000. 3000000. 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
 PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
 MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
 PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
 PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
 PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
 SRCGROUP ALL

SO FINISHED

** 500M Spaced Receptor Grid out to 50 km, due north of the source

RE STARTING

ELEVUNIT FEET
 DISCCART 700000. 3000000. 0.
 DISCCART 700000. 3000500. 10.
 DISCCART 700000. 3001000. 18.
 DISCCART 700000. 3001500. 10.
 DISCCART 700000. 3002000. 32.
 DISCCART 700000. 3002500. 50.
 DISCCART 700000. 3003000. 30.
 DISCCART 700000. 3003500. 75.
 DISCCART 700000. 3004000. 46.
 DISCCART 700000. 3004500. 65.
 DISCCART 700000. 3005000. 100.
 DISCCART 700000. 3005500. 70.
 DISCCART 700000. 3006000. 80.
 DISCCART 700000. 3006500. 65.
 DISCCART 700000. 3007000. 105.
 DISCCART 700000. 3007500. 175.
 DISCCART 700000. 3008000. 200.
 DISCCART 700000. 3008500. 155.
 DISCCART 700000. 3009000. 150.
 DISCCART 700000. 3009500. 205.
 DISCCART 700000. 3010000. 225.
 DISCCART 700000. 3010500. 185.
 DISCCART 700000. 3011000. 195.
 DISCCART 700000. 3011500. 195.

DISCCART 700000.3012000. 170.
DISCCART 700000.3012500. 180.
DISCCART 700000.3013000. 205.
DISCCART 700000.3013500. 230.
DISCCART 700000.3014000. 210.
DISCCART 700000.3014500. 180.
DISCCART 700000.3015000. 195.
DISCCART 700000.3015500. 160.
DISCCART 700000.3016000. 150.
DISCCART 700000.3016500. 210.
DISCCART 700000.3017000. 215.
DISCCART 700000.3017500. 265.
DISCCART 700000.3018000. 205.
DISCCART 700000.3018500. 240.
DISCCART 700000.3019000. 195.
DISCCART 700000.3019500. 270.
DISCCART 700000.3020000. 315.
DISCCART 700000.3020500. 235.
DISCCART 700000.3021000. 270.
DISCCART 700000.3021500. 215.
DISCCART 700000.3022000. 210.
DISCCART 700000.3022500. 280.
DISCCART 700000.3023000. 240.
DISCCART 700000.3023500. 295.
DISCCART 700000.3024000. 350.
DISCCART 700000.3024500. 290.
DISCCART 700000.3025000. 305.
DISCCART 700000.3025500. 280.
DISCCART 700000.3026000. 325.
DISCCART 700000.3026500. 370.
DISCCART 700000.3027000. 290.
DISCCART 700000.3027500. 300.
DISCCART 700000.3028000. 370.
DISCCART 700000.3028500. 400.
DISCCART 700000.3029000. 360.
DISCCART 700000.3029500. 295.
DISCCART 700000.3030000. 330.
DISCCART 700000.3030500. 340.
DISCCART 700000.3031000. 320.
DISCCART 700000.3031500. 350.
DISCCART 700000.3032000. 400.
DISCCART 700000.3032500. 375.
DISCCART 700000.3033000. 360.
DISCCART 700000.3033500. 330.
DISCCART 700000.3034000. 410.
DISCCART 700000.3034500. 370.
DISCCART 700000.3035000. 390.
DISCCART 700000.3035500. 405.
DISCCART 700000.3036000. 345.
DISCCART 700000.3036500. 340.
DISCCART 700000.3037000. 400.
DISCCART 700000.3037500. 440.
DISCCART 700000.3038000. 360.
DISCCART 700000.3038500. 375.
DISCCART 700000.3039000. 410.
DISCCART 700000.3039500. 375.
DISCCART 700000.3040000. 340.
DISCCART 700000.3040500. 385.
DISCCART 700000.3041000. 375.
DISCCART 700000.3041500. 345.

DISCCART 700000. 3042000. 410.
DISCCART 700000. 3042500. 420.
DISCCART 700000. 3043000. 380.
DISCCART 700000. 3043500. 410.
DISCCART 700000. 3044000. 465.
DISCCART 700000. 3044500. 470.
DISCCART 700000. 3045000. 365.
DISCCART 700000. 3045500. 380.
DISCCART 700000. 3046000. 360.
DISCCART 700000. 3046500. 390.
DISCCART 700000. 3047000. 415.
DISCCART 700000. 3047500. 390.
DISCCART 700000. 3048000. 430.
DISCCART 700000. 3048500. 430.
DISCCART 700000. 3049000. 475.
DISCCART 700000. 3049500. 495.
DISCCART 700000. 3050000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

** 100m spaced terrain grid

TG STARTING

INPUTFIL 100ELEV.MSL

ELEVUNIT FEET

LOCATION 0.0 0.0

TG FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL tg-p3.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 tg-v1.inp tg-v1.out
** Vapor Phase Terrain Grid Sensitivity Analysis
** Test Case 1: 500m spaced receptors, 500m spaced terrain grid
** Linear Receptor Grid due north of the source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Terrain Grid Test Case No. 1
TITLETWO 500m spaced receptor grid, 500m spaced terrain grid
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
TERRHGTS ELEV
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 700000. 3000000. 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

GAS-SCAV BIFUNIT LIQ 1.7E-4

GAS-SCAV BIFUNIT ICE 0.6E-4

SRCGROUP ALL

SO FINISHED

** 500M spaced receptor grid out to 50km, due north of the source

RE STARTING

ELEVUNIT FEET

DISCCART 700000. 3000000. 0.
DISCCART 700000. 3000500. 10.
DISCCART 700000. 3001000. 18.
DISCCART 700000. 3001500. 10.
DISCCART 700000. 3002000. 32.
DISCCART 700000. 3002500. 50.
DISCCART 700000. 3003000. 30.
DISCCART 700000. 3003500. 75.
DISCCART 700000. 3004000. 46.
DISCCART 700000. 3004500. 65.
DISCCART 700000. 3005000. 100.
DISCCART 700000. 3005500. 70.
DISCCART 700000. 3006000. 80.
DISCCART 700000. 3006500. 65.
DISCCART 700000. 3007000. 105.
DISCCART 700000. 3007500. 175.
DISCCART 700000. 3008000. 200.
DISCCART 700000. 3008500. 155.
DISCCART 700000. 3009000. 150.
DISCCART 700000. 3009500. 205.
DISCCART 700000. 3010000. 225.
DISCCART 700000. 3010500. 185.
DISCCART 700000. 3011000. 195.
DISCCART 700000. 3011500. 195.
DISCCART 700000. 3012000. 170.
DISCCART 700000. 3012500. 180.
DISCCART 700000. 3013000. 205.

DISCCART 700000.3013500. 230.
DISCCART 700000.3014000. 210.
DISCCART 700000.3014500. 180.
DISCCART 700000.3015000. 195.
DISCCART 700000.3015500. 160.
DISCCART 700000.3016000. 150.
DISCCART 700000.3016500. 210.
DISCCART 700000.3017000. 215.
DISCCART 700000.3017500. 265.
DISCCART 700000.3018000. 205.
DISCCART 700000.3018500. 240.
DISCCART 700000.3019000. 195.
DISCCART 700000.3019500. 270.
DISCCART 700000.3020000. 315.
DISCCART 700000.3020500. 235.
DISCCART 700000.3021000. 270.
DISCCART 700000.3021500. 215.
DISCCART 700000.3022000. 210.
DISCCART 700000.3022500. 280.
DISCCART 700000.3023000. 240.
DISCCART 700000.3023500. 295.
DISCCART 700000.3024000. 350.
DISCCART 700000.3024500. 290.
DISCCART 700000.3025000. 305.
DISCCART 700000.3025500. 280.
DISCCART 700000.3026000. 325.
DISCCART 700000.3026500. 370.
DISCCART 700000.3027000. 290.
DISCCART 700000.3027500. 300.
DISCCART 700000.3028000. 370.
DISCCART 700000.3028500. 400.
DISCCART 700000.3029000. 360.
DISCCART 700000.3029500. 295.
DISCCART 700000.3030000. 330.
DISCCART 700000.3030500. 340.
DISCCART 700000.3031000. 320.
DISCCART 700000.3031500. 350.
DISCCART 700000.3032000. 400.
DISCCART 700000.3032500. 375.
DISCCART 700000.3033000. 360.
DISCCART 700000.3033500. 330.
DISCCART 700000.3034000. 410.
DISCCART 700000.3034500. 370.
DISCCART 700000.3035000. 390.
DISCCART 700000.3035500. 405.
DISCCART 700000.3036000. 345.
DISCCART 700000.3036500. 340.
DISCCART 700000.3037000. 400.
DISCCART 700000.3037500. 440.
DISCCART 700000.3038000. 360.
DISCCART 700000.3038500. 375.
DISCCART 700000.3039000. 410.
DISCCART 700000.3039500. 375.
DISCCART 700000.3040000. 340.
DISCCART 700000.3040500. 385.
DISCCART 700000.3041000. 375.
DISCCART 700000.3041500. 345.
DISCCART 700000.3042000. 410.
DISCCART 700000.3042500. 420.
DISCCART 700000.3043000. 380.

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DISCCART 700000.3043500. 410.
DISCCART 700000.3044000. 465.
DISCCART 700000.3044500. 470.
DISCCART 700000.3045000. 365.
DISCCART 700000.3045500. 380.
DISCCART 700000.3046000. 360.
DISCCART 700000.3046500. 390.
DISCCART 700000.3047000. 415.
DISCCART 700000.3047500. 390.
DISCCART 700000.3048000. 430.
DISCCART 700000.3048500. 430.
DISCCART 700000.3049000. 475.
DISCCART 700000.3049500. 495.
DISCCART 700000.3050000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.
ME STARTING
  INPUTFIL C:\METDATA\IAHRUR.WET
  ANEMHGHT 20 FEET
  SURFDATA 12960 1981 HOUSTON-IAH
  UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

** 500m spaced terrain grid
TG STARTING
  INPUTFIL 500ELEV.MSL
  ELEVUNIT FEET
  LOCATION 0. 0.
TG FINISHED

OU STARTING
  RECTABLE ALLAVE FIRST
  MAXTABLE ALLAVE 50
  PLOTFILE PERIOD ALL tg-v1.plt
OU FINISHED
```

** EPA Model Sensitivity Study
 ** ISCST3 tg-v2.inp tg-v2.out
 ** Vapor Phase Terrain Grid Sensitivity Analysis
 ** Test Case 2: 500m spaced receptors, 250m spaced terrain grid
 ** Linear Receptor Grid due north of the source
 ** Typical BIF Combustion Unit
 ** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Terrain Grid Test Case No. 2
 TITLETWO 500m spaced receptor grid, 250m spaced terrain grid
 MODELOPT DFAULT CONC WDEP WETDPLT RURAL
 AVERTIME PERIOD
 POLLUTID UNITY
 TERRHGTS ELEV
 RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
 ** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 700000. 3000000. 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

GAS-SCAV BIFUNIT LIQ 1.7E-4

GAS-SCAV BIFUNIT ICE 0.6E-4

SRCGROUP ALL

SO FINISHED

** 500M spaced receptor grid out to 50km, due north of the source

RE STARTING

ELEVUNIT FEET

DISCCART	700000. 3000000.	0.
DISCCART	700000. 3000500.	10.
DISCCART	700000. 3001000.	18.
DISCCART	700000. 3001500.	10.
DISCCART	700000. 3002000.	32.
DISCCART	700000. 3002500.	50.
DISCCART	700000. 3003000.	30.
DISCCART	700000. 3003500.	75.
DISCCART	700000. 3004000.	46.
DISCCART	700000. 3004500.	65.
DISCCART	700000. 3005000.	100.
DISCCART	700000. 3005500.	70.
DISCCART	700000. 3006000.	80.
DISCCART	700000. 3006500.	65.
DISCCART	700000. 3007000.	105.
DISCCART	700000. 3007500.	175.
DISCCART	700000. 3008000.	200.
DISCCART	700000. 3008500.	155.
DISCCART	700000. 3009000.	150.
DISCCART	700000. 3009500.	205.
DISCCART	700000. 3010000.	225.
DISCCART	700000. 3010500.	185.
DISCCART	700000. 3011000.	195.
DISCCART	700000. 3011500.	195.
DISCCART	700000. 3012000.	170.
DISCCART	700000. 3012500.	180.
DISCCART	700000. 3013000.	205.

DISCCART 700000.3013500. 230.
DISCCART 700000.3014000. 210.
DISCCART 700000.3014500. 180.
DISCCART 700000.3015000. 195.
DISCCART 700000.3015500. 160.
DISCCART 700000.3016000. 150.
DISCCART 700000.3016500. 210.
DISCCART 700000.3017000. 215.
DISCCART 700000.3017500. 265.
DISCCART 700000.3018000. 205.
DISCCART 700000.3018500. 240.
DISCCART 700000.3019000. 195.
DISCCART 700000.3019500. 270.
DISCCART 700000.3020000. 315.
DISCCART 700000.3020500. 235.
DISCCART 700000.3021000. 270.
DISCCART 700000.3021500. 215.
DISCCART 700000.3022000. 210.
DISCCART 700000.3022500. 280.
DISCCART 700000.3023000. 240.
DISCCART 700000.3023500. 295.
DISCCART 700000.3024000. 350.
DISCCART 700000.3024500. 290.
DISCCART 700000.3025000. 305.
DISCCART 700000.3025500. 280.
DISCCART 700000.3026000. 325.
DISCCART 700000.3026500. 370.
DISCCART 700000.3027000. 290.
DISCCART 700000.3027500. 300.
DISCCART 700000.3028000. 370.
DISCCART 700000.3028500. 400.
DISCCART 700000.3029000. 360.
DISCCART 700000.3029500. 295.
DISCCART 700000.3030000. 330.
DISCCART 700000.3030500. 340.
DISCCART 700000.3031000. 320.
DISCCART 700000.3031500. 350.
DISCCART 700000.3032000. 400.
DISCCART 700000.3032500. 375.
DISCCART 700000.3033000. 360.
DISCCART 700000.3033500. 330.
DISCCART 700000.3034000. 410.
DISCCART 700000.3034500. 370.
DISCCART 700000.3035000. 390.
DISCCART 700000.3035500. 405.
DISCCART 700000.3036000. 345.
DISCCART 700000.3036500. 340.
DISCCART 700000.3037000. 400.
DISCCART 700000.3037500. 440.
DISCCART 700000.3038000. 360.
DISCCART 700000.3038500. 375.
DISCCART 700000.3039000. 410.
DISCCART 700000.3039500. 375.
DISCCART 700000.3040000. 340.
DISCCART 700000.3040500. 385.
DISCCART 700000.3041000. 375.
DISCCART 700000.3041500. 345.
DISCCART 700000.3042000. 410.
DISCCART 700000.3042500. 420.
DISCCART 700000.3043000. 380.

```
DISCCART 700000.3043500. 410.
DISCCART 700000.3044000. 465.
DISCCART 700000.3044500. 470.
DISCCART 700000.3045000. 365.
DISCCART 700000.3045500. 380.
DISCCART 700000.3046000. 360.
DISCCART 700000.3046500. 390.
DISCCART 700000.3047000. 415.
DISCCART 700000.3047500. 390.
DISCCART 700000.3048000. 430.
DISCCART 700000.3048500. 430.
DISCCART 700000.3049000. 475.
DISCCART 700000.3049500. 495.
DISCCART 700000.3050000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.
ME STARTING
  INPUTFIL C:\METDATA\IAHRUR.WET
  ANEMHGHT 20 FEET
  SURFDATA 12960 1981 HOUSTON-IAH
  UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

** 250m spaced terrain grid
TG STARTING
  INPUTFIL 250ELEV.MSL
  ELEVUNIT FEET
  LOCATION 0. 0.
TG FINISHED

OU STARTING
  RECTABLE ALLAVE FIRST
  MAXTABLE ALLAVE 50
  PLOTFILE PERIOD ALL tg-v2.plt
OU FINISHED
```


** EPA Model Sensitivity Study
** ISCST3 tg-v3.inp tg-v3.out
** Vapor Phase Terrain Grid Sensitivity Analysis
** Test Case 3: 500m spaced receptors, 100m spaced terrain grid
** Linear Receptor Grid due north of the source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Terrain Grid Test Case No. 3
TITLETWO 500m spaced receptor grid, 100m spaced terrain grid
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
TERRHGTS ELEV
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 700000. 3000000. 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

GAS-SCAV BIFUNIT LIQ 1.7E-4

GAS-SCAV BIFUNIT ICE 0.6E-4

SRCGROUP ALL

SO FINISHED

** 500M spaced receptor grid out to 50km, due north of the source

RE STARTING

ELEVUNIT FEET

DISCCART 700000. 3000000. 0.
DISCCART 700000. 3000500. 10.
DISCCART 700000. 3001000. 18.
DISCCART 700000. 3001500. 10.
DISCCART 700000. 3002000. 32.
DISCCART 700000. 3002500. 50.
DISCCART 700000. 3003000. 30.
DISCCART 700000. 3003500. 75.
DISCCART 700000. 3004000. 46.
DISCCART 700000. 3004500. 65.
DISCCART 700000. 3005000. 100.
DISCCART 700000. 3005500. 70.
DISCCART 700000. 3006000. 80.
DISCCART 700000. 3006500. 65.
DISCCART 700000. 3007000. 105.
DISCCART 700000. 3007500. 175.
DISCCART 700000. 3008000. 200.
DISCCART 700000. 3008500. 155.
DISCCART 700000. 3009000. 150.
DISCCART 700000. 3009500. 205.
DISCCART 700000. 3010000. 225.
DISCCART 700000. 3010500. 185.
DISCCART 700000. 3011000. 195.
DISCCART 700000. 3011500. 195.
DISCCART 700000. 3012000. 170.
DISCCART 700000. 3012500. 180.
DISCCART 700000. 3013000. 205.

DISCCART 700000.3013500. 230.
DISCCART 700000.3014000. 210.
DISCCART 700000.3014500. 180.
DISCCART 700000.3015000. 195.
DISCCART 700000.3015500. 160.
DISCCART 700000.3016000. 150.
DISCCART 700000.3016500. 210.
DISCCART 700000.3017000. 215.
DISCCART 700000.3017500. 265.
DISCCART 700000.3018000. 205.
DISCCART 700000.3018500. 240.
DISCCART 700000.3019000. 195.
DISCCART 700000.3019500. 270.
DISCCART 700000.3020000. 315.
DISCCART 700000.3020500. 235.
DISCCART 700000.3021000. 270.
DISCCART 700000.3021500. 215.
DISCCART 700000.3022000. 210.
DISCCART 700000.3022500. 280.
DISCCART 700000.3023000. 240.
DISCCART 700000.3023500. 295.
DISCCART 700000.3024000. 350.
DISCCART 700000.3024500. 290.
DISCCART 700000.3025000. 305.
DISCCART 700000.3025500. 280.
DISCCART 700000.3026000. 325.
DISCCART 700000.3026500. 370.
DISCCART 700000.3027000. 290.
DISCCART 700000.3027500. 300.
DISCCART 700000.3028000. 370.
DISCCART 700000.3028500. 400.
DISCCART 700000.3029000. 360.
DISCCART 700000.3029500. 295.
DISCCART 700000.3030000. 330.
DISCCART 700000.3030500. 340.
DISCCART 700000.3031000. 320.
DISCCART 700000.3031500. 350.
DISCCART 700000.3032000. 400.
DISCCART 700000.3032500. 375.
DISCCART 700000.3033000. 360.
DISCCART 700000.3033500. 330.
DISCCART 700000.3034000. 410.
DISCCART 700000.3034500. 370.
DISCCART 700000.3035000. 390.
DISCCART 700000.3035500. 405.
DISCCART 700000.3036000. 345.
DISCCART 700000.3036500. 340.
DISCCART 700000.3037000. 400.
DISCCART 700000.3037500. 440.
DISCCART 700000.3038000. 360.
DISCCART 700000.3038500. 375.
DISCCART 700000.3039000. 410.
DISCCART 700000.3039500. 375.
DISCCART 700000.3040000. 340.
DISCCART 700000.3040500. 385.
DISCCART 700000.3041000. 375.
DISCCART 700000.3041500. 345.
DISCCART 700000.3042000. 410.
DISCCART 700000.3042500. 420.
DISCCART 700000.3043000. 380.

DISCCART 700000.3043500. 410.
DISCCART 700000.3044000. 465.
DISCCART 700000.3044500. 470.
DISCCART 700000.3045000. 365.
DISCCART 700000.3045500. 380.
DISCCART 700000.3046000. 360.
DISCCART 700000.3046500. 390.
DISCCART 700000.3047000. 415.
DISCCART 700000.3047500. 390.
DISCCART 700000.3048000. 430.
DISCCART 700000.3048500. 430.
DISCCART 700000.3049000. 475.
DISCCART 700000.3049500. 495.
DISCCART 700000.3050000. 440.
RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

** 100m spaced terrain grid

TG STARTING

INPUTFIL 100ELEV.MSL

ELEVUNIT FEET

LOCATION 0. 0.

TG FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL tg-v3.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 wasbc-b.inp wasbc-b.out
** Particle-Bound Phase Watershed Size Sensitivity Analysis
** Base Case: 500m Spaced Cartesian Grid out to 5km
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Watershed Size Base Case Model Run
MODELOPT DFAULT DEPOS DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 500 Meter Spacing out to 5 Km

RE STARTING

GRIDCART 500M STA

500M XYINC -5000. 21 500. -5000. 21 500.

500M END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL wasbc-b.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 wasbc-p.inp wasbc-p.out
** Particle Phase Watershed Size Sensitivity Analysis
** Base Case Model Run: 500m Spaced Cartesian Grid out to 5km
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle Phase Watershed Size Base Case Model Run
MODELOPT DFAULT DEPOS DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 500 Meter Spacing out to 5 Km

RE STARTING

GRIDCART 500M STA

500M XYINC -5000. 21 500. -5000. 21 500.

500M END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL wasbc-p.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 wasbc-v.inp wasbc-v.out
** Vapor Phase Watershed Size Sensitivity Analysis
** Base Case: 500m Spaced Cartesian Grid out to 5km
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Watershed Size Base Case Model Run
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 500 Meter Spacing out to 5 Km

RE STARTING

GRIDCART 500M STA
500M XYINC -5000. 21 500. -5000. 21 500.
500M END
RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL wasbc-v.plt
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 wl-b1.inp wl-b1.out
** Particle-Bound Phase Watershed Location Sensitivity Analysis
** Test Case No. 1: 2km x 2km Cartesian Grid at 1km from source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Watershed Location Test Case 1
MODELOPT DFAULT DEPOS DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 500 Meter Spaced, 2km x 2km cartesian grid 1 km from source

RE STARTING

GRIDCART 500M STA

500M XYINC -1000. 5 500. 1000. 5 500.

500M END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL wl-b1.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 wl-b2.inp wl-b2.out
** Particle-Bound Phase Watershed Location Sensitivity Analysis
** Test Case No. 2: 2km x 2km Cartesian Grid at 10km from source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle-Bound Phase Watershed Location Test Case 2
MODELOPT DFAULT DEPOS DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.4880 0.1656 0.1290 0.0915 0.0499 0.0231 0.0224 0.0146 0.0149
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 500 Meter Spaced, 2km x 2km cartesian grid 10 km from source

RE STARTING

GRIDCART 500M STA
500M XYINC -1000. 5 500. 10000. 5 500.
500M END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL wl-b2.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 wl-p1.inp wl-p1.out
** Particle Phase Watershed Location Sensitivity Analysis
** Test Case No. 1: 2km x 2km Cartesian Grid at 1km from source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle Phase Watershed Location Test Case No. 1
MODELOPT DFAULT DEPOS DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44

PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0

MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128

PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4

PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4

SRCGROUP ALL

SO FINISHED

** 500 Meter Spaced, 2kmx2km cartesian grid 1 km from source

RE STARTING

GRIDCART 500M STA

500M XYINC -1000. 5 500. 1000. 5 500.

500M END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters

** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET

ANEMHGHT 20 FEET

SURFDATA 12960 1981 HOUSTON-IAH

UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST

MAXTABLE ALLAVE 50

PLOTFILE PERIOD ALL wl-p1.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 wl-p2.inp wl-p2.out
** Particle Phase Watershed Location Sensitivity Analysis
** Test Case No. 2: 2km x 2km Cartesian Grid at 10km from source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc., Dry Dep., & Wet Dep.

CO STARTING

TITLEONE Particle Phase Watershed Location Test Case No. 2
MODELOPT DFAULT DEPOS DRYDPLT WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN

CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI - Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0

** Point Source QS HS TS VS DS

** Parameters: ---- ---- ---- ---- ---

SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
PARTDIAM BIFUNIT 0.35 0.70 1.10 2.00 3.60 5.50 8.10 12.5 15.0
MASSFRAX BIFUNIT 0.224 0.076 0.082 0.105 0.103 0.073 0.104 0.105 0.128
PARTDENS BIFUNIT 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
PARTSLIQ BIFUNIT 0.7E-4 0.5E-4 0.6E-4 1.3E-4 2.6E-4 3.9E-4 5.2E-4 6.7E-4 6.7E-4
PARTSICE BIFUNIT 0.2E-4 0.2E-4 0.2E-4 0.4E-4 0.9E-4 1.3E-4 1.7E-4 2.2E-4 2.2E-4
SRCGROUP ALL

SO FINISHED

** 500 Meter Spaced, 2kmx2km cartesian grid 10 km from source

RE STARTING

GRIDCART 500M STA
500M XYINC -1000. 5 500. 10000. 5 500.
500M END

RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES

ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL wl-p2.plt

OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 wl-v1.inp wl-v1.out
** Vapor Phase Watershed Location Sensitivity Analysis
** Test Case No. 1: 2km x 2km Cartesian Grid at 1km from source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Watershed Location Test Case No. 1
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 500 Meter Spaced, 2km x 2km cartesian grid 1km from source

RE STARTING

GRIDCART 500M STA
500M XYINC -1000. 5 500. 1000. 5 500.
500M END
RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL wl-v1.plt
OU FINISHED

** EPA Model Sensitivity Study
** ISCST3 wl-v2.inp wl-v2.out
** Vapor Phase Watershed Location Sensitivity Analysis
** Test Case No. 2: 2km x 2km Cartesian Grid at 10km from source
** Typical BIF Combustion Unit
** 5-Year Averages of Conc. and Wet Dep.

CO STARTING

TITLEONE Vapor Phase Watershed Location Test Case No. 2
MODELOPT DFAULT CONC WDEP WETDPLT RURAL
AVERTIME PERIOD
POLLUTID UNITY
RUNORNOT RUN
CO FINISHED

** Typical BIF Combustion Unit
** Reference: T. Oliver, PRC EMI-Dallas, 3-28-97.

SO STARTING

LOCATION BIFUNIT POINT 0.0 0.0
** Point Source QS HS TS VS DS
** Parameters: ---- ---- ---- ---- ---
SRCPARAM BIFUNIT 1.00 18.29 422.1 1.62 2.44
GAS-SCAV BIFUNIT LIQ 1.7E-4
GAS-SCAV BIFUNIT ICE 0.6E-4
SRCGROUP ALL
SO FINISHED

** 500 Meter Spaced, 2km x 2km cartesian grid 10 km from source

RE STARTING

GRIDCART 500M STA
500M XYINC -1000. 5 500. 10000. 5 500.
500M END
RE FINISHED

** PCRAMMET with Rural values selected for all parameters
** Concatenated 5 years of met data into one file.

ME STARTING

INPUTFIL C:\METDATA\IAHRUR.WET
ANEMHGHT 20 FEET
SURFDATA 12960 1981 HOUSTON-IAH
UAIRDATA 03937 1981 LAKE-CHARLES
ME FINISHED

OU STARTING

RECTABLE ALLAVE FIRST
MAXTABLE ALLAVE 50
PLOTFILE PERIOD ALL wl-v2.plt
OU FINISHED