

1 AERMOD PRIME - (DATED 23132)
AERMODPrMSPx VERSION
(C) COPYRIGHT 1998-2022, Trinity Consultants

Run Began on 3/05/2025 at 9:46:52

** BREEZE AERMOD
** Trinity Consultants
** VERSION 12.1

CO STARTING
CO TITLEONE Skyline Terminal DPM
CO MODELOPT DFAULT CONC NODRYDPLT NOWETDPLT
CO RUNORNOT RUN
CO AVERTIME ANNUAL
CO POLLUTID PM10
CO FINISHED

SO STARTING
SO ELEVUNIT METERS
SO LOCATION U0ARC001 AREAPOLY 597389.9 4133232.6 0
** SRCDESCR Construction Area
SO SRCPARAM U0ARC001 2.56E-08 3 11 1
SO AREAVERT U0ARC001 597389.9 4133232.6 597445 4133135.6 597410.8 4133103.7 597420.2 4133084.9
SO AREAVERT U0ARC001 597412.5 4133078.9 597400.4 4133096.5 597306.1 4133046.9 597257.1 4133140
SO AREAVERT U0ARC001 597273.1 4133206.7 597351.9 4133235.4 597389.9 4133232.6
SO SRCGROUP ALL
SO FINISHED

RE STARTING
RE ELEVUNIT METERS
RE DISCCART 597441.7 4133350 0 0
** SENSITIV
** RCPDESCR R1
RE DISCCART 597490.8 4133235.9 0 0
** SENSITIV
** RCPDESCR R2
RE DISCCART 597537.6 4133143.9 0 0
** SENSITIV
** RCPDESCR R3
RE FINISHED

ME STARTING
ME SURFFILE "C:\USERS\RYAN\MYDRIV~1.COM\CIA265~1\23-31M~1\MODELS\AERMOD\SANJOS~1\KSJC_2017.SFC"
** SURFFILE "C:\USERS\RYAN\MYDRIV~1.COM\CIA265~1\23-31M~1\MODELS\AERMOD\SANJOS~1\KSJC_2017.SFC"
ME PROFILE "C:\USERS\RYAN\MYDRIV~1.COM\CIA265~1\23-31M~1\MODELS\AERMOD\SANJOS~1\KSJC_2017.PFL"
** PROFILE "C:\USERS\RYAN\MYDRIV~1.COM\CIA265~1\23-31M~1\MODELS\AERMOD\SANJOS~1\KSJC_2017.PFL"
ME SURFDATA 23293 2017
ME UAIRDATA 23230 2017
ME PROFBASE 0 METERS
ME FINISHED

OU STARTING
OU FILEFORM FIX
OU PLOTFILE ANNUAL ALL ALL`ANNUAL.plt 10000
OU FINISHED

** *****
** It is recommended that the user not edit any data below this line
** *****

** AMPTYPE
** AMPDATUM -1
** AMPZONE -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1984",6378137,298.257223563],TOWGS84[0,0,0,0,0,0,0,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",11],UNIT["Meter",1,AUTHORITY["EPSG","9001"]]]
** PROJECTION UTM
** DATUM WGE
** UNITS METER
** ZONE 11
** HEMISPHERE N
** ORIGINLON 0
** ORIGINLAT 0
** PARALLEL1 0
** PARALLEL2 0
** AZIMUTH 0
** SCALEFACT 0
** FALSEEAST 0
** FALSENORTH 0

** POSTFMT UNIFORM
** TEMPLATE UserDefined
** AERMODEXE AERMOD_BREEZE_23132_64.EXE
** AERMAPEXE AERMAP_EPA_18081_64.EXE

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 52 MEOPEN: THRESH_IMIN 1-min ASOS wind speed threshold used 0.50
ME W187 52 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 23132 *** ** Skyline Terminal DPM *** 03/05/25
*** AERMET - VERSION 18081 *** ** *** 09:46:52
PAGE 1

*** MODELOPTS: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEvated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses RURAL Dispersion Only.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: PM10

**Model Calculates ANNUAL Averages Only

**This Run Includes: 1 Source(s); 1 Source Group(s); and 3 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 18081

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 0.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

▲ *** AERMOD - VERSION 23132 *** ** Skyline Terminal DPM *** 03/05/25
*** AERMET - VERSION 18081 *** ** *** 09:46:52
PAGE 2

*** MODELOPTS: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
17 01 01 01 7.9 1 121. 3.36 277.6 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 23132 *** ** Skyline Terminal DPM *** 03/05/25
*** AERMET - VERSION 18081 *** ** *** 09:46:52
PAGE 6

*** MODELOPTS: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): U0ARC001 ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597441.70	4133350.00	0.01048	597490.80	4133235.90	0.01618
597537.60	4133143.90	0.02334			

*** AERMOD - VERSION 23132 *** ** Skyline Terminal DPM *** 03/05/25
*** AERMET - VERSION 18081 *** ** *** 09:46:52
PAGE 7

*** MODELOPTS: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS 0.02334 AT (597537.60, 4133143.90, 0.00, 0.00, 0.00)		SR	
	2ND HIGHEST VALUE IS 0.01618 AT (597490.80, 4133235.90, 0.00, 0.00, 0.00)		SR	
	3RD HIGHEST VALUE IS 0.01048 AT (597441.70, 4133350.00, 0.00, 0.00, 0.00)		SR	
	4TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	5TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	6TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	7TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	8TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	9TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	10TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 23132 *** ** Skyline Terminal DPM *** 03/05/25
*** AERMET - VERSION 18081 *** ** *** 09:46:52
PAGE 8

*** MODELOPTS: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 3 Warning Message(s)
A Total of 194 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 52 Calm Hours Identified

A Total of 142 Missing Hours Identified (1.62 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 52 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 52 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W481 8785 MAIN: Data Remaining After End of Year. Number of Hours= 24

*** AERMOD Finishes Successfully ***

1 AERMOD PRIME - (DATED 23132)
AERMODPrMSPx VERSION
(C) COPYRIGHT 1998-2022, Trinity Consultants

Run Began on 3/05/2025 at 9:51:39

** BREEZE AERMOD
** Trinity Consultants
** VERSION 12.1

CO STARTING
CO TITLEONE Metcalf Terminal DPM
CO MODELOPT DFAULT CONC NODRYDPLT NOWETDPLT
CO RUNORNOT RUN
CO AVERTIME ANNUAL
CO POLLUTID PM25
CO FINISHED

SO STARTING
SO ELEVUNIT METERS
SO LOCATION KSKZJ00E AREAPOLY 612147.8 4119321.7 0
** SRCDESCR Construction
SO SRCPARAM KSKZJ00E 1.43E-08 3 7 1
SO AREAVERT KSKZJ00E 612147.8 4119321.7 612319 4119483.5 612395.4 4119398.5 612292.4 4119303.9
SO AREAVERT KSKZJ00E 612231.9 4119371.9 612161.4 4119304.9 612147.8 4119321.7
SO SRCGROUP ALL
SO FINISHED

RE STARTING
RE ELEVUNIT METERS
RE DISCCART 612188.1 4119524.2 0 0
** SENSITIV
** RCPDESCR R1
RE DISCCART 612223 4119482 0 0
** SENSITIV
** RCPDESCR R2
RE DISCCART 612152.7 4119402.9 0 0
** SENSITIV
** RCPDESCR R3
RE DISCCART 612532.9 4119278.4 0 0
** SENSITIV
** RCPDESCR R4
RE DISCCART 612190.8 4118973.5 0 0
** SENSITIV
** RCPDESCR R5
RE FINISHED

ME STARTING
ME SURFFILE "C:\Users\ryan\MYDRIV~1.COM\CIA265~1\23-31M~1\Models\AERMOD\METCAL~1\KSJC_2017.SFC"
** SURFFILE "C:\Users\ryan\MYDRIV~1.COM\CIA265~1\23-31M~1\Models\AERMOD\METCAL~1\KSJC_2017.SFC"
ME PROFFILE "C:\Users\ryan\MYDRIV~1.COM\CIA265~1\23-31M~1\Models\AERMOD\METCAL~1\KSJC_2017.PFL"
** PROFFILE "C:\Users\ryan\MYDRIV~1.COM\CIA265~1\23-31M~1\Models\AERMOD\METCAL~1\KSJC_2017.PFL"
ME SURFDATA 23293 2017
ME UAIRDATA 23230 2017
ME PROFBASE 0 METERS
ME FINISHED

OU STARTING
OU FILEFORM FIX
OU PLOTFILE ANNUAL ALL ALL`ANNUAL.plt 10000
OU FINISHED

** *****
** It is recommended that the user not edit any data below this line
** *****

** AMPTYPE
** AMPDATUM -1
** AMPZONE -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1984",6378137,298.257223563],TOWGS84[0,0,0,0,0,0,0,0,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",11],UNIT["Meter",1,AUTHORITY["EPSG","9001"]]]
** PROJECTION UTM
** DATUM WGE
** UNITS METER
** ZONE 11
** HEMISPHERE N
** ORIGINLON 0
** ORIGINLAT 0
** PARALLEL1 0
** PARALLEL2 0
** AZIMUTH 0
** SCALEFACT 0
** FALSEEAST 0
** FALSENORTH 0

** POSTFMT UNIFORM

** TEMPLATE UserDefined
** AERMODEXE AERMOD_BREEZE_23132_64.EXE
** AERMAPEXE AERMAP_EPA_18081_64.EXE

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 57 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 57 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 23132 *** ** Metcalf Terminal DPM *** 03/05/25
*** AERMET - VERSION 18081 *** ** *** 09:51:39
PAGE 1

*** MODELOPTS: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses RURAL Dispersion Only.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: PM25

**Note that special processing requirements apply for the 24-hour PM2.5 NAAQS - check available guidance.
Model will process user-specified ranks of high 24-hour values averaged across the number of years modeled, and the multi-year average of individual ANNUAL values, averaged across the number of years modeled.

**Model Calculates ANNUAL Averages Only

**This Run Includes: 1 Source(s); 1 Source Group(s); and 5 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 18081

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 0.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.1000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

17	01	01	1	19	-18.6	0.185	-9.000	-9.000	-999.	197.	37.6	0.05	0.68	1.00	2.52	246.	7.9	282.0	2.0
17	01	01	1	20	-13.3	0.147	-9.000	-9.000	-999.	135.	23.7	0.05	0.68	1.00	2.03	225.	7.9	280.9	2.0
17	01	01	1	21	-7.4	0.105	-9.000	-9.000	-999.	82.	14.3	0.02	0.68	1.00	1.69	116.	7.9	282.0	2.0
17	01	01	1	22	-10.4	0.130	-9.000	-9.000	-999.	112.	19.0	0.05	0.68	1.00	1.76	94.	7.9	281.4	2.0
17	01	01	1	23	-14.5	0.149	-9.000	-9.000	-999.	138.	24.5	0.02	0.68	1.00	2.33	133.	7.9	280.9	2.0
17	01	01	1	24	-21.8	0.215	-9.000	-9.000	-999.	240.	51.0	0.02	0.68	1.00	3.30	114.	7.9	280.4	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
17	01	01	01	7.9	1	121.	3.36	277.6	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 23132 *** Metcalf Terminal DPM *** 03/05/25
 *** AERMET - VERSION 18081 *** *** 09:51:39
 PAGE 6

*** MODELOPTS: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): KSKZJ00E ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM25		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
612188.10	4119524.20	0.02250	612223.00	4119482.00	0.03583
612152.70	4119402.90	0.02308	612532.90	4119278.40	0.01021
612190.80	4118973.50	0.00039			

*** AERMOD - VERSION 23132 *** Metcalf Terminal DPM *** 03/05/25
 *** AERMET - VERSION 18081 *** *** 09:51:39
 PAGE 7

*** MODELOPTS: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS 0.03583	AT (612223.00, 4119482.00, 0.00, 0.00, 0.00)	SR	
	2ND HIGHEST VALUE IS 0.02308	AT (612152.70, 4119402.90, 0.00, 0.00, 0.00)	SR	
	3RD HIGHEST VALUE IS 0.02250	AT (612188.10, 4119524.20, 0.00, 0.00, 0.00)	SR	
	4TH HIGHEST VALUE IS 0.01021	AT (612532.90, 4119278.40, 0.00, 0.00, 0.00)	SR	
	5TH HIGHEST VALUE IS 0.00039	AT (612190.80, 4118973.50, 0.00, 0.00, 0.00)	SR	
	6TH HIGHEST VALUE IS 0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS 0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS 0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS 0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS 0.00000	AT (0.00, 0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 23132 *** Metcalf Terminal DPM *** 03/05/25
 *** AERMET - VERSION 18081 *** *** 09:51:39
 PAGE 8

*** MODELOPTS: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
 A Total of 3 Warning Message(s)
 A Total of 194 Informational Message(s)
 A Total of 8784 Hours Were Processed
 A Total of 52 Calm Hours Identified
 A Total of 142 Missing Hours Identified (1.62 Percent)

***** FATAL ERROR MESSAGES *****
 *** NONE ***

***** WARNING MESSAGES *****

ME W186 57 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
 ME W187 57 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 MX W481 8785 MAIN: Data Remaining After End of Year. Number of Hours= 24

 *** AERMOD Finishes Successfully ***
