

## 2.3 Model Inputs

### 2.3.1 Scenario

Table 2-2 lists the files required for each model scenario folder.

**Table 2-2 SACSIM19 Input File Descriptions for Scenario Folder**

Folder	File Name	Type	Description
scenario_folder (can be any name)	SACSIM_Run.s (Can be any name)	Cube Voyager Script	SACSIM Cube Voyager primary script for model.
scenario_folder (can be any name)	config.sacsim.trips.xml	Trip Configuration File	User input control file for DAYSIM configurations.
scenario_folder	config.sacsim.wksclloc.xml	Work Location Configuration File	User input control file for DAYSIM configurations.
scenario_folder	tolls.csv	Toll Facility Cost Input File	User input controls for dynamic tolling during assignment.
scenario_folder	RAD_UserFee.csv	Milaged Based Fee Input File	User input for spatial adjustments for mileage based user fie.
scenario_folder	2016_thru.dbf	Landuse/transportation	Through Trips
scenario_folder	2016_taz.dbf	Landuse/transportation	Transportation Analysis Zones
scenario_folder	2016_ixxi.dbf	Landuse/transportation	Internal (i) External (e) Production and Attractions
scenario_folder	2016_base.net	Landuse/transportation	Roadway Network
scenario_folder	2016_tranline.txt	Landuse/transportation	Transit Line
scenario_folder	2016_transit_links.csv	Landuse/transportation	Transit Network
scenario_folder	2016_station_links.csv	Landuse/transportation	Transit Station Nodes
scenario_folder	2016_pnr.dbf	Landuse/transportation	
scenario_folder	2016_raw_person.txt	Landuse/transportation	Person Inputs
scenario_folder	2016_raw_household.txt	Landuse/transportation	Household Inputs
scenario_folder	2016_raw_parcel.txt	Landuse/transportation	Parcel Inputs

Source: SACOG 2020.

**2.3.2 Input**

Table 2-3 lists the files in the “input” folder. The “input” folder sits in the parent directory of each model run scenario folder and contains higher-level inputs.

**Table 2-3 SACSIM19 Input File Descriptions for Input Folder**

Folder	File Name	Type	Description
input	airportsurvey.dbf	Airport module input	Airport survey input for SACSIM airport module
input	Ptfactor.mustcom.txt	Transit input	Sub transit mode control file: commuter buses
input	Ptfactor.mustlrt.txt	Transit input	Sub transit mode control file: light rail
input	Ptfactor.onlyloc.txt	Transit input	Sub transit mode control file: local bus
input	Ptfactor.txt	Transit input	Transit all mode control file
input	Ptfare.txt	Transit input	Transit fares for all modes
input	Ptssystem.txt	Transit input	Transit wait curves by sum mode and operator
input	sacfftpp.txt	IXXI input	Friction Factors input by trip type
input	todfactors.txt	IXXI input	Time of day factors by trip type

Source: SACOG 2020

**2.3.3 daysim**

Table 2-4 lists the files needed in the daysim folder. The daysim folder sits in the parent directory of the scenario folder and contains parameter and coefficient files related to the daysim submodel.

**Table 2-4 SACSIM19 Input File Descriptions for DAYSIM Folder**

Folder	File Name	Type	Description
daysim	sacog_roster.combinations.csv	Roster	DAYSIM Mode Roster
daysim	sacsim_roster_mat.csv	Roster	DAYSIM Input Roster
daysim	sacog_taz_indexes.dat	TAZ	
daysim	WorkLocationCoefficients_SACOG-v1.5.f12	Coefficients Files	
daysim	SchoolLocationCoefficients_SACOG-v1.8.f12	Coefficients Files	
daysim	PayToParkAtWorkplaceCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	TransitPassOwnershipCoefficients_SACOG-v1.5.f12	Coefficients Files	
daysim	AutoOwnershipCoefficients_SACOG-v1.5.f12	Coefficients Files	
daysim	IndividualPersonDayPatternCoefficients_SACOG-v1.8.f12	Coefficients Files	
daysim	PersonExactNumberOfToursCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	WorkTourDestinationCoefficients_SACOG-v1.8.F12	Coefficients Files	
daysim	OtherTourDestinationCoefficients_SACOG-v1.8.F12	Coefficients Files	
daysim	WorkbasedSubtourGenerationCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	WorkTourModeCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	SchoolTourModeCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	WorkBasedSubtourModeCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	EscortTourModeCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	OtherHomeBasedTourModeCoefficients_SACOG-v1.5.F12	Coefficients Files	

daysim	WorkTourTimeCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	SchoolTourTimeCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	OtherHomeBasedTourTimeCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	WorkbasedSubtourTimeCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	IntermediateStopGenerationCoefficients_SACOG-v1.5.F12	Coefficients Files	
daysim	IntermediateStopLocationCoefficients_SACOG-v1.8.F12	Coefficients Files	
daysim	TripModeCoefficients_SACOG-v1.5.f12	Coefficients Files	
daysim	TripTimeCoefficients_SACOG-v1.5.f12	Coefficients Files	

Source: SACOG 2020.