ArcTraveler Quick Reference

Version 4.0.2

Syntax:

ArcTraveler [-flag] [control_file]

Purpose:

1. Create ArcView shapefiles from selected records in TRANSIMS traveler files.
2. Create ArcView shapefiles showing the origins and destinations from TRANSIMS trip files.
3. Create ArcView shapefiles showing the activity locations of TRANSIMS activity files

Required Keys

TRAVELER_FILE (1)	[project_directory]*filename*
TRIP_FILE (1)	[project_directory]*filename*
ACTIVITY_FILE (1)	[project_directory]*filename*
NET_NODE_TABLE	[net_directory]*filename*
NET_LINK_TABLE	[net_directory]*filename*
ARCVIEW_TRAVELER_FILE	[project_directory]*filename.shp* (2)

Optional Keys

TITLE	Text
REPORT_FILE	*Filename*
REPORT_FLAG	FALSE {true/false/yes/no/1/0}
PROJECT_DIRECTORY	*Pathname*
DEFAULT_FILE_FORMAT	VERSION3 {(4)}
MAX_WARNING_MESSAGES	100,000
MAX_WARNING_EXIT_FLAG	TRUE {true/false/yes/no/1/0}
TRAVELER_SCALING_FACTOR	
NET_DIRECTORY	*Pathname*
NET_SHAPE_TABLE	[net_directory]*filename*
NET_ACTIVITY_LOCATION_TABLE	
ACTIVITY_FORMAT	[default_file_format] {(4)}
TRIP_FORMAT	[default_file_format] {(4)}
TRAVELER_FORMAT	
LANE_WIDTH	1.0 meters {0.0..25.0}
CENTER_ONEWAY_LINKS	FALSE {true/false/yes/no/1/0}
DRAW_NETWORK_LANES	
TIME_OF_DAY_FORMAT	24_HOUR_CLOCK {(5)}
SELECT-TRAVELERS	
SELECT_TIME_PERIODS	All (3)

SELECT_SUBAREA_POLYGON	[project_directory]*filename.shp*
INPUT_COORDINATE_SYSTEM	System, Code, Units (6)
INPUT_ADJUSTMENT_FACTORS	X offset, Y offset, X factor, Y factor (7)
OUTPUT_COORDINATE_SYSTEM	System, Code, Units (6)
OUTPUT_ADJUSTMENT_FACTORS	X offset, Y offset, X factor, Y factor (7)
OUTPUT_XYZ_SHAPES	FALSE {true/false/yes/no/1/0}
OUTPUT_XYM_SHAPES	FALSE {true/false/yes/no/1/0}
NET_DEFAULT_FORMAT	[default_file_format] {(4)}
NET_NODE_FORMAT	[net_default_format] {(4)}
NET_LINK_FORMAT	[net_default_format] {(4)}
NET_SHAPE_FORMAT	[net_default_format] {(4)}
NET_ACTIVITY_LOCATION_FORMAT	[net_default_format] {(4)}

Notes

1	One of the following three files must be provided: traveler, trip or activity
2	*.shp, *.shx, *.dbf, and *.dbf.def files are created based on the filename. A separate file is created for each time increment. The corresponding time value is automatically added to the filename (i.e., *filename*.HH.MM.SS.*shp*).
3	Time Range (e.g., 0:00..6:00, 18:00..23:00)
4	{VERSION3, BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, LANL, SQLITE3}
5	{HOURS, SECONDS, 24_HOUR_CLOCK, 12_HOUR_CLOCK}
6	System options include: UTM, STATEPLANE, and LATLONG Code is the FIPS code number for the system (e.g., Oregon North = 3601) Unit options include: FEET, METERS, MILES, KILOMETERS, DEGREES, and MILLION_DEGREES.
7	X and Y offsets are added to the coordinate values X and Y factors are multiply the coordinate values