

# PlanCompare - Quick Reference

Version 5.0.12



## Usage

### PlanCompare [-flag] [control\_file] [partition]

Optional Flags:

- Q[uiet] = execute without screen messages
- H[elp] = show program syntax and control keys
- C[ontrol] = create/update a default control file
- K[eyCheck] = list unrecognized control file keys
- P[ause] = pause before exiting
- N[oPause] = never pause before exiting
- D[etail] = execute with detailed status messages
- X[ML] = write an XML file with control keys

## Purpose

1. Compares two plan files and selects plans that have significantly different travel times.
2. Generate convergence statistics and distribution charts by time of day.
3. Includes walk and wait time in the transit travel time comparisons.
4. Includes options to only compare drive legs.
5. Compares plan files generated on different networks.
6. Compares plan files for specified time periods.

## Configuration Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
TITLE	Text		
REPORT_FILE	File		filename[_partition][.prn]
REPORT_FLAG	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
PROJECT_DIRECTORY	Path		
MODEL_START_TIME	Time	0:00	>= 0 [seconds], 0.0 [hours], 0:00
MODEL_END_TIME	Time	24:00	> [model_start_time]
UNITS_OF_MEASURE	Text	METRIC	METRIC, ENGLISH
RANDOM_NUMBER_SEED	Int.	0	0 = computer clock, > 0 = fixed
MAX_WARNING_MESSAGES	Int.	100000	>= 0
MAX_WARNING_EXIT_FLAG	Bool	TRUE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N

*Configuration Keys*

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
MAX_PROBLEM_COUNT	Int.	0	>= 0
NUMBER_OF_THREADS	Int.	1	1..24
PLANCOMPARE_REPORT_*	Text		program report name

*System File Keys*

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
<input checked="" type="checkbox"/> PLAN_FILE	File		[project_directory]filename.*
SELECTION_FILE	File		[project_directory]filename.*
NEW_SELECTION_FILE	File		[project_directory]filename.*
NEW_PLAN_FILE	File		[project_directory]filename.*

*Data Service Keys*

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
DAILY_WRAP_FLAG	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
SUMMARY_TIME_RANGES	Text	ALL	e.g., ALL, 0..97200 seconds, 0.0..27.0 hours, 0:00..27:00
SUMMARY_TIME_INCREMENT	Time	15 minutes	0, 2..240 minutes
PERIOD_CONTROL_POINT	Text	MID-TRIP	START, END, MID-TRIP

*Select Service Keys*

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
SELECT_HOUSEHOLDS	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_MODES	List	ALL	e.g., ALL or 1, 12..14 or WALK, HOV2..HOV4
SELECT_PURPOSES	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_START_TIMES	List	ALL	e.g., ALL, 0..97200 seconds, 0.0..27.0 hours, 0:00..27:00
SELECT_END_TIMES	List	ALL	e.g., ALL, 0..97200 seconds, 0.0..27.0 hours, 0:00..27:00
SELECT_ORIGINS	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_DESTINATIONS	List	ALL	e.g., 1, 2, 4..10, 100..200, 300

*Select Service Keys*

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
SELECT_TRAVELER_TYPES	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_LINKS_*	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_NODES_*	List	ALL	e.g., 1, 2, 4..10, 100..200, 300
SELECT_SUBAREA_POLYGON	File		[project_directory]filename
PERCENT_TIME_DIFFERENCE	Dec.	0.0 percent	0.0..100.0 percent
MINIMUM_TIME_DIFFERENCE	Time	1 minutes	0..120 minutes
MAXIMUM_TIME_DIFFERENCE	Time	60 minutes	0..1440 minutes
PERCENT_COST_DIFFERENCE	Dec.	0.0 percent	0.0..100.0 percent
MINIMUM_COST_DIFFERENCE	Dec.	10 impedance	0..500 impedance
MAXIMUM_COST_DIFFERENCE	Dec.	1000 impedance	0..10000 impedance
SELECTION_PERCENTAGE	Dec.	100.0 percent	0.01..100.0 percent
MAXIMUM_PERCENT_SELECTED	Dec.	100.0 percent	0.1..100.0 percent
DELETION_FILE	File		[project_directory]filename
DELETE_HOUSEHOLDS	List	NONE	e.g., 1, 2, 4..10, 100..200, 300
DELETE_MODES	List	NONE	e.g., ALL or 1, 12..14 or WALK, HOV2..HOV4
DELETE_TRAVELER_TYPES	List	NONE	e.g., 1, 2, 4..10, 100..200, 300

*Control Keys*

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
<input checked="" type="checkbox"/> COMPARE_PLAN_FILE	File		[project_directory]filename.*
COMPARE_GENERALIZED_COSTS	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
SELECTION_METHOD	Text	RANDOM	RANDOM, PERCENT_DIFFERENCE, RELATIVE_GAP
MERGE_PLAN_FILES	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
NEW_TIME_DISTRIBUTION_FILE	File		[project_directory]filename
NEW_COST_DISTRIBUTION_FILE	File		[project_directory]filename
NEW_TRIP_TIME_GAP_FILE	File		[project_directory]filename
NEW_TRIP_COST_GAP_FILE	File		[project_directory]filename

## *Notes*

Each '\_FILE' key has a corresponding '\_FORMAT' key. The following file formats can be used for input and output files.

TEXT, BINARY, FIXED\_COLUMN, COMMA\_DELIMITED, SPACE\_DELIMITED, TAB\_DELIMITED, CSV\_DELIMITED, DBASE, SQLITE3, VERSION3