LinkDelay - Quick Reference

Version 5.0.1

Usage

LinkDelay [-flag] [control_file]

```
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. Merge, average, and/or convert Link Delay files.
2. Smooth the link delays between time increments.

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
MAX_PROBLEM_COUNT	Int.	0	>= 0
NUMBER_OF_THREADS	Int.	1	1..24

System File Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
☑ NODE_FILE	File		[project_directory]filename
☑ LINK_FILE	File		[project_directory]filename
☑ LINK_DELAY_FILE	File		[project_directory]filename
☑ NEW_LINK_DELAY_FILE	File		[project_directory]filename
CONNECTION_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

Projection, Smooth Data, Difference Data Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
SMOOTH_GROUP_SIZE	Int.	3	0, >= 3
PERCENT_MOVED_FORWARD	Dec.	20	> 0.0
PERCENT_MOVED_BACKWARD	Dec.	20	> 0.0
NUMBER_OF_ITERATIONS	Int.	3	> 0
CIRCULAR_GROUP_FLAG	Bool	TRUE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N

Control Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
MERGE_LINK_DELAY_FILE	File		[project_directory]filename
PROCESSING_METHOD	Text	SIMPLE_AVERAGE	REPLACE_LINKS, SIMPLE_AVERAGE, WEIGHTED_AVERAGE, REPLACE_OR_AVERAGE
MERGE_WEIGHTING_FACTOR	Dec.	1.0	0.0, >= 0.5
MAX_TRAVEL_TIME_RATIO	Dec.	0.0	0.0, > 1.0

Notes

Each '_FILE' key has a corresponding '_FORMAT' key. The following file formats can be used for input and ouput files.
TEXT, BINARY, FIXED_COLUMN, COMMA_DELIMITED, SPACE_DELIMITED, TAB_DELIMITED, CSV_DELIMITED, DBASE, SQLITE3, VERSION3