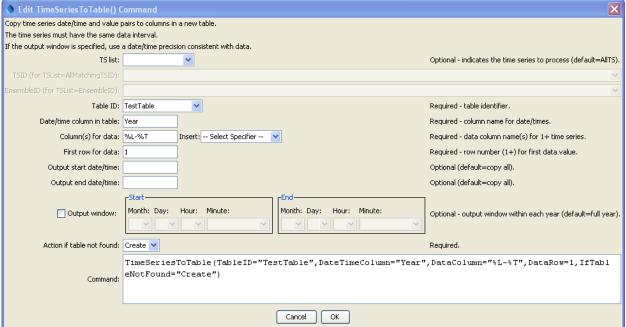
Command Reference: TimeSeriesToTable()

Copy one or more time series into a table

Version 10.02.00, 2011-12-13

The TimeSeriesToTable() command copies one or more time series into a table. The time series must be regular interval (no irregular interval time series) and the intervals must match. Currently the command can only be used to create a new table but in the future the command is envisioned to write into an existing table. This command is useful when performing table analysis processing and outputting table formats (e.g., with the WriteTableToDelimitedFile() command).

The following dialog is used to edit the command and illustrates the syntax of the command.



TimeSeriesToTable() Command Editor

TimeSeriesToTable

The command syntax is as follows:

TimeSeriesToTable(Parameter=Value,...)

Command Parameters

Parameter	Description	Default
TSList	Indicates the list of time series to be processed, one of:	AllTS
	 AllMatchingTSID – all time series that match the TSID (single TSID or TSID with wildcards) will be modified. AllTS – all time series before the command. 	

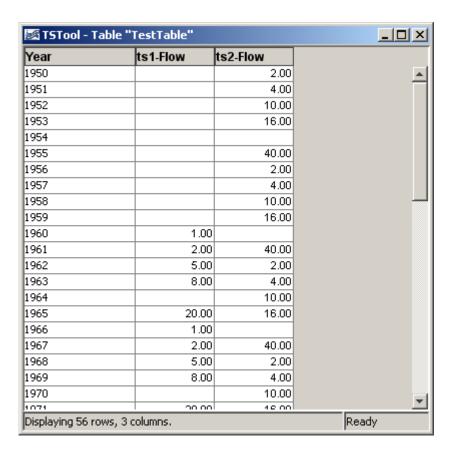
Parameter	Description	Default
	EnsembleID – all time series in	
	the ensemble will be modified.	
	• FirstMatchingTSID – the first	
	time series that matches the TSID	
	(single TSID or TSID with	
	wildcards) will be modified.	
	• LastMatchingTSID – the last	
	time series that matches the TSID	
	(single TSID or TSID with	
	wildcards) will be modified.	
	• SelectedTS – the time series are	
	those selected with the	
	SelectTimeSeries()	
	command.	
TSID	The time series identifier or alias for the	Required when
	time series to be modified, using the *	TSList=*TSID
	wildcard character to match multiple	
	time series.	
EnsembleID	The ensemble to be modified, if	Required when
	processing an ensemble.	TSList=EnsembleID.
TableID	The identifier for the table to copy data	None – must be specified.
	into (or the identifier for the new table to	
	create if	
D + . E ' . G]	IfTableNotFound=Create).	NY . 1 . C. 1
DateTimeColumn	The table column name to receive date/time information.	None – must be specified.
DataColumn	The data column name(s) to receive time	None – must be specified.
Datacorumii	series data. This parameter may in the	None – must be specified.
	future allow multiple names separated by	
	a delimiter. However, multiple names	
	are currently supported by using time	
	series property format specifiers,	
	available in a list of choices. These	
	specifiers are consistent with other	
	commands and the legend formatter in	
	the graphing tool.	
DataRow1	First table row for data (1+), where the	None – must be specified.
	row number is data only (column names	
	are not considered a data row).	A '1 11 ' 1
OutputStart	The starting date/time for the copy.	Available period.
OutputEnd OutputWindowStart	The ending date/time for the copy.	Available period.
Outharmingomprair	The calendar date/time for the output start within each year. Specify using the	Output the full year.
	format MM, MM-DD, MM-DD hh, or MM-	
	DD hh:mm, consistent with the time	
	series interval precision. A year of	
	2000 will be used internally to parse the	
	date/time. Use this parameter to limit	
	date/time. Ose tims parameter to innit	

Parameter	Description	Default
	data processing within the year, for	
	example to output only a single month or	
	a season.	
OutputWindowEnd	Specify date/time for the output end	Output the full year.
	within each year. See	
	OutputWindowStart for details.	
IfTableNotFound	Indicate action if the table identifier is	Warn
	not matched, one of:	
	• Create – create a new table	
	• Warn – warn that the table was not	
	matched	

A sample command file is as follows (this command file is used to verify the command during testing):

```
# Test copying annual time series to a table, and also create the table
StartLog(LogFile="Results/Test_TimeSeriesToTable_Year_Create.TSTool.log")
RemoveFile(InputFile="Results/Test_TimeSeriesToTable_Year_Create_out.csv",
    IfNotFound=Ignore)
NewPatternTimeSeries(Alias="ts1", NewTSID="ts1..Flow.Year", SetStart="1960",
    SetEnd="2000",Units="ACFT",PatternValues="1,2,5,8,,20")
NewPatternTimeSeries(Alias="ts2", NewTSID="ts2..Flow.Year", SetStart="1950",
    SetEnd="2005", Units="ACFT", PatternValues="2,4,10,16,,40")
TimeSeriesToTable(TableID=TestTable, DateTimeColumn=Year, DataColumn=%L-%T,
   DataRow=1,IfTableNotFound="Create")
# Generate the results.
WriteTableToDelimitedFile(TableID="TestTable",
    OutputFile="Results\Test_TimeSeriesToTable_Year_Create_out.csv")
# Uncomment the following to recreate expected results
# WriteTableToDelimitedFile(TableID="TestTable",
    OutputFile="ExpectedResults\Test_TimeSeriesToTable_Year_Create_out.csv")
CompareFiles(InputFile1="ExpectedResults/Test_TimeSeriesToTable_Year_Create_out.csv",
    InputFile2="Results/Test_TimeSeriesToTable_Year_Create_out.csv",IfDifferent=Warn)
```

The resulting table will be listed in the **Tables** area of the TSTool interface and clicking on the TestTable identifier will display the table similar to the following:



TimeSeriesToTable2