## Command Reference: TableTimeSeriesMath()

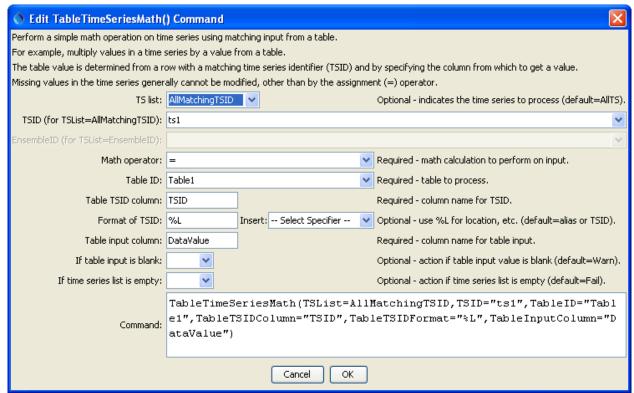
Perform simple math operation on time series using table input

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The TableTimeSeriesMath() command performs a simple math operation on time series using values from a table. For example, a table that is populated by the CalculateTimeSeriesStatistic() command or ReadTableFromDelimitedFile() could be used to modify time series data. See also the TableMath() command, which performs math on a table.

The table value is determined by matching the time series identifier (formatted according to the TableTSIDFormat parameter) with the TSID value in the table column specified by the TableTSIDColumn parameter. If necessary, use the ManipulateTableString() command to generate an identifier column in the table that allows that match. Missing values in the time series generally will not be updated, although the assignment (=) operator will do so.

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



TableTimeSeriesMath() Command Editor

TableTimeSeriesMath

The command syntax is as follows:

TableTimeSeriesMath(Parameter=Value,...)

## **Command Parameters**

Parameter	Description	Default
TSList	Indicates the list of time series to be	AllTS
	processed, one of:	
	• AllMatchingTSID – all time series	
	that match the TSID (single TSID or	
	TSID with wildcards).	
	• AllTS – all time series before the	
	command.	
	• EnsembleID – all time series in the ensemble.	
	• FirstMatchingTSID – the first time	
	series that matches the TSID (single	
	TSID or TSID with wildcards).	
	• LastMatchingTSID – the last time	
	series that matches the TSID (single	
	TSID or TSID with wildcards).	
	SelectedTS – the time series selected	
	with the SelectTimeSeries()	
	command.	
TSID	The time series identifier or alias for the time	Required if
	series to be processed, using the * wildcard	TSList=*TSID.
	character to match multiple time series.	
EnsembleID	The ensemble to be processed, if processing	Required if
	an ensemble.	TSList=EnsembleID.
Operator	The operator to be applied to the time series	None – must be specified.
TableID	and table input.	No. 10 and 10 and 15 and
TableID TableTSIDColumn	Identifier for table that provides input.  Table column name that is used to match the	None – must be specified.
TableISIDColumn		None – must be specified.
TableTSIDFormat	time series identifier for processing.  The specification to format the time series	Time series alias if
Table151bl Olimac	identifier to match the TSID column. Use the	available, or otherwise
	format choices and other characters to define a	the time series identifier.
	unique identifier.	viiii oorioo idoimiioi.
TableInput Column	Table column name to retrieve the table value.	None – must be specified.
IfTableInputIsBlank	Action if time table input is blank during	Warn
	processing (no value to operate on).	
IfTSListIsEmpty	Action if time series list is empty.	Fail

The delimited file corresponding to that used in the above dialog example is shown below. In this example, the time series identifiers have location parts with values ts1 and ts2.

```
# Simple test data
"TSID", "DataValue"
ts1,2
ts2,3
```