

# Command Reference:

## SetTimeSeriesValuesFromTable()

Set time series values from a table

Version 11.03.05, 2015-06-11

The `SetTimeSeriesValuesFromTable()` command sets values in time series by matching the TSID and date/time in a table. Examples of use are:

- Provide data values from a table to override missing values in the time series
- Set a stream of values from a table into time series

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

Set values in the time series by transferring values from a table, using time series identifier and date/time to match time series and table values.

Time series **Table**

Specify the time series to process. Only data in the table that match the specified time series will be used.  
The date/time precision for the time series will be used to match the date/time column values in the table.

TS list:  Optional - indicates the time series to process (default=AllTS).

TSID (for TSList=AllMatchingTSID):

EnsembleID (for TSList=EnsembleID):

Format of TSID: -- Select Specifier -- => %L Required - format time series TSID to match table TSID.

Set start: 2000-03 Optional - set start date/time or \${Property} (default=set full period).

Set end: 2000-04 Optional - set end date/time or \${Property} (default=set full period).

Set flag: T Optional - string to flag values that are set.

Set flag description:  Optional - description for set flag.

Command:  
`SetTimeSeriesValuesFromTable(TSIDFormat="%L",SetStart="2000-03",SetEnd="2000-04",SetFlag="T",TableID="Table1",TableTSIDColumn="TSID",TableDateTimeColumn="DateTime2",TableValueColumn="Value")`

Cancel OK

SetTimeSeriesValuesFromTable

### SetTimeSeriesValuesFromTable() Command Editor Showing Time Series Parameters

Time series **Table**

Rows in the table are matched with time series using the TSID column.  
This subset of rows is then matched to time series values using the date/time column contents.  
Matching TSID and date/time result in the values from the table being set in the time series.  
If columns are specified for the set flag and description, they also will be set. Alternatively, set the flag globally using SetFlag and SetFlagDesc in the time series tab.

Table ID: Table1 Required - table that provides values.

Table TSID column: TSID Required - column name to match time series TSID.

Table column for date/time: DateTime2 Required - column to match date/time.

Table column for value: Value Required - column time series values.

Table column for data flag:  Optional - column for time series flag.

Table column for data flag description:  Optional - column for time series flag description.

Sort order for date/time:  Optional - sort order for table date/times (default=None).

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### SetTimeSeriesValuesFromTable() Command Editor Showing Table Parameters

The command syntax is as follows:

```
SetTimeSeriesValuesFromTable (Parameter=Value,...)
```

### Command Parameters

Parameter	Description	Default
TsList	Indicates the list of time series to be processed, one of: <ul style="list-style-type: none"> <li>AllMatchingTSID – all time series that match the TSID (single TSID or TSID with wildcards) will be processed.</li> <li>AllTS – all time series before the command.</li> <li>EnsembleID – all time series in the ensemble will be processed.</li> <li>FirstMatchingTSID – the first time series that matches the TSID (single TSID or TSID with wildcards) will be processed.</li> <li>LastMatchingTSID – the last time series that matches the TSID (single TSID or TSID with wildcards) will be processed.</li> <li>SelectedTS – the time series are those selected with the SelectTimeSeries() command.</li> </ul>	AllTS
TSID	The time series identifier or alias for the time series to be processed, using the * wildcard character to match multiple time series. Can specify using processor \${Property}.	Required if TsList=*TSID
EnsembleID	The ensemble to be processed, if processing an ensemble. Can specify using processor \${Property}.	Required if TsList=EnsembleID
TSIDFormat	The specification to format the time series identifier to match the TableTSIDColumn column.	None – must be specified.
SetStart	The date/time to start setting values, or processor \${Property}.	Set the full period.
SetEnd	The date/time to end setting values, or processor \${Property}.	Set the full period.
SetFlag	String to flag values that are set, used for all time series.	No flag.
SetFlagDesc	Description for SetFlag.	Default.
TableID	The lookup table identifier. Can specify using processor \${Property}.	None – must be specified.
TableTSIDColumn	Table column name that is used to match the time series identifier for processing.	None – must be specified.
TableDateTimeColumn	Table column name that is used to match the date/time for processing time series values.	None – must be specified.
TableValueColumn	Table column name for data values to be set in the time series.	None – must be specified.

Parameter	Description	Default
TableSetFlagColumn	Table column name for data flags to be set in the time series, will override SetFlag.	No flags will be set.
TableSetFlagDescColumn	Table column name for data flag descriptions for TableSetFlag, will override SetFlagDesc.	No flags will be set.
SortOrder	Indicate whether to sort the table rows by date/time. After sorting, the first matched date/time will be set in the time series.	Currently sorting is not implemented – only one value per TSID-date/time combination should be present in the table.

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