

# Command Reference: SelectTimeSeries()

## Select time series for additional processing

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The `SelectTimeSeries()` command selects output time series, as if done interactively, to indicate which time series should be operated on by following commands. The command minimizes the need for the `Free()` command, when used in conjunction with other commands that use a time series list based on selected time series (`TSList=SelectedTS`). See also the `DeselectTimeSeries()` command.

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

**Edit SelectTimeSeries() Command**

This command selects time series, similar to how time series are interactively selected. Selected time series may then be used by other commands. For example, commands may allow selected time series to be processed, rather than default to all time series.

When matching a time series identifier (TSID) pattern:

- The dot-delimited time series identifier parts are Location.DataSource.DataType.Interval.Scenario
- The pattern used to select/deselect time series will be matched against aliases and identifiers.
- Use \* to match all time series.
- Use A\* to match all time series with alias or location starting with A.
- Use \*.\*,XXXXX.\*,\* to match all time series with a data type XXXXX.

When selecting time series by specifying time series positions (**not recommended for production work because positions may change**):

- The first time series created is position 1.
- Separate numbers by a comma. Specify a range, for example, as 1-3. A valid combination is: 1,5-10,13

When selecting time series by matching a property:

- Currently only string properties are supported.
- Comparisons are case-independent.

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

TSID (for TSList=AllMatchingTSID):

EnsembleID (for TSList=EnsembleID):

Time series position(s) (for TSList=TSPosition):  For example, 1,2,7-8 (positions are 1+).

Deselect all first?:  Optional - eliminates need for separate deselect (default=False).

Property name:  Optional - use to match user-defined properties.

Property criterion:  Required if matching user-defined property.

Property value:  Required if matching user-defined property.

Command: 

```
SelectTimeSeries(TSList=AllMatchingTSID, TSID="40*", DeselectAllFirst=True)
```

SelectTimeSeries

### SelectTimeSeries() Command Editor

The command syntax is as follows:

```
SelectTimeSeries(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 modified.</li> <li>AllTS – all time series before the command.</li> <li>EnsembleID – all time series in the ensemble will be modified (see the EnsembleID parameter).</li> <li>LastMatchingTSID – the last time series that matches the TSID (single TSID or TSID with wildcards) will be modified.</li> <li>TSPosition – time series specified by position in the results list (see TSPosition parameter below).</li> </ul>	AllTS
TSID	The time series identifier or alias for the time series to be modified, using the * wildcard character to match multiple time series.	Required if TSList=*TSID
EnsembleID	The ensemble to be modified, if processing an ensemble.	Required if TSList=EnsembleID
TSPosition	A list of time series positions (1+) in output, separated by commas. Ranges can be specified as Start-End.	Required if TSList=TSPosition
DeselectAllFirst	Indicates whether all time series should be deselected before selecting the specified time series: True or False.	False
PropertyName	Name of user-defined property to check.	
PropertyCriterion	Criterion to evaluate to determine which properties match.	Required if PropertyName is specified.
PropertyValue	Value to check against the property value, using criterion.	Required if PropertyName is specified.

A sample command file is as follows:

```
TS 401234 = NewPatternTimeSeries(NewTSID="401234..Precip.Day",
Description="Example data",SetStart="2000-01-01",SetEnd="2000-12-31",
Units="IN",PatternValues="0,1,3,0,0,0")
SelectTimeSeries(TSList=AllMatchingTSID,TSID="40*",DeselectAllFirst=True)
```