
Command Reference: SetToMin()

Set data values to the minimum of values from one or more time series

Version 08.16.04, 2008-09-25

The `SetToMin()` command sets a time series to contain, for each time step, the minimum of its own values and those of one or more additional (independent) time series.

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

Edit SetToMin() Command

Set the time series data values to the minimum of itself and one or more (independent) time series.

Time series to receive results: 08236000.DWR.Streamflow.Month

Independent TS List: SpecifiedTSID Indicates the time series to process (default=AllTS).

Independent TSID (for Independent TSList=AllMatchingTSID): 08236500.DWR.Streamflow.Month

Independent EnsembleID (for Independent TSList=EnsembleID):

Independent specified TSID (for IndependentTSList=SpecifiedTSID):

08236000.DWR.Streamflow.Month
08236500.DWR.Streamflow.Month

Command:

```
SetToMin(TSID="08236000.DWR.Streamflow.Month", IndependentTSList=SpecifiedTSID, IndependentTSID="08236500.DWR.Streamflow.Month")
```

Cancel OK

SetToMin

SetToMin() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
TSID	The time series identifier or alias for the time series to be modified.	None – must be specified.
IndependentTSList	Indicates how the list of time series is specified, one of: <ul style="list-style-type: none"> AllTS – all time series before the command. AllMatchingTSID – all time series that match the IndependentTSID (single TSID or TSID with wildcards). EnsembleID – the time series from the specified ensemble will be processed. FirstMatchingTSID – the first time series that matches the TSID (single TSID or TSID with wildcards) will be processed. LastMatchingTSID – the last time series that matches the TSID (single TSID or TSID with wildcards) will be processed. SelectedTS – the time series are those selected with the SelectTimeSeries() command. SpecifiedTSID – the specified list of time series given by the IndependentTSID parameter. 	AllTS (the time series receiving the result will not be checked)
IndependentTSID	If the IndependentTSList=SpecifiedTSID, provide the list of time series identifiers (or alias) to process, separated by commas. If the IndependentTSList parameter is AllMatchingTSID, FirstMatchingTSID, or LastMatchingTSID, specify a single TSID or a TSID with wildcards.	Required if TSList=*TSID.
IndependentEnsembleID	Ensemble identifier.	Required if TSList=EnsembleID.

A sample command file to process data from the State of Colorado's HydroBase database is as follows:

```
# 08236000 - ALAMOSA RIVER ABOVE TERRACE RESERVOIR
08236000.DWR.Streamflow.Month~HydroBase
# 08236500 - ALAMOSA RIVER BELOW TERRACE RESERVOIR
08236500.DWR.Streamflow.Month~HydroBase
SetToMin(TSID="08236000.DWR.Streamflow.Month",
    IndependentTSList=SpecifiedTSID,
    IndependentTSID="08236500.DWR.Streamflow.Month")
```