
Command Reference: SetConstant()

Set time series data to a single or monthly constant values

Version 08.15.00, 2008-05-11

The SetConstant () command sets the values of a time series to a single or monthly constant values.

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

Edit SetConstant() Command

Set time series data values to a single or monthly (Jan - Dec) constant values.
If the time series data interval is month or smaller, constant values for each month can be specified.
In this case, each date/time that matches a month will have its corresponding value set.

TS list: **LastMatchingTSID** Indicates the time series to process (default=AllTS).

TSID (for TSList=AllMatchingTSID): 08235700.DWR.Streamflow.Month

EnsembleID (for TSList=EnsembleID):

Constant value: 0 Use for all intervals..

Monthly values: Monthly values, separated by commas.

Set start: Set start (optional). Default is all.

Set End: 1950-01 Set end (optional). Default is all.

Command: SetConstant(TSList=LastMatchingTSID,TSID="08235700.DWR.Streamflow.Month",ConstantValue=0,SetEnd="1950-01")

Cancel OK

SetConstant

SetConstant() Command Editor

The command syntax is as follows:

```
SetConstant (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"> AllMatchingTSID – all time series that match the TSID (single TSID or TSID with wildcards) will be modified. AllTS – all time series before the command. EnsembleID – all time series in the ensemble 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. 	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.
ConstantValue	The constant value to use as the data value.	None – must be specified, or specify monthly values.
MonthValues	Monthly values to use as the data values. Twelve values can be specified, separated by commas. If the time series data interval is less than monthly, each date/time will be set for a specific month.	None – must be specified, or specify a constant value.
SetStart	The starting date/time for the data set.	Set data for the full period.
SetEnd	The ending date/time for the data set.	Set data for the full period.

A sample command file to process a time series from the State of Colorado's HydroBase is as follows (only the early period is set to zero):

```
# 08235700 - ALAMOS RIVER BELOW CASTLEMAN GULCH NEAR JASPER
08235700.DWR.Streamflow.Month~HydroBase
SetConstant (TSList=AllMatchingTSID, TSID="08235700.DWR.Streamflow.Month",
ConstantValue=0, SetEnd="1950-01")
```