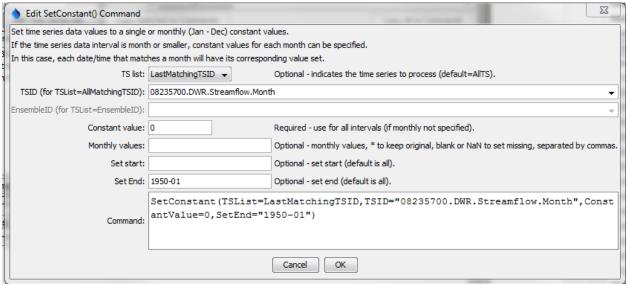# Command Reference: SetConstant()

Set time series data to a single or monthly constant values

Version 10.26.00, 2013-12-06

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:

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: • `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	AllTS

Parameter	Description	Default
	those selected with the `SelectTimeSeries()` command.	
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 for Jan – Dec must be specified, separated by commas. * indicates to keep the original value. Blank or `NaN` indicates to set the value to missing. 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 - ALAMOSA RIVER BELOW CASTLEMAN GULCH NEAR JASPER
08235700.DWR.Streamflow.Month~HydroBase
SetConstant(TSList=AllMatchingTSID,TSID="08235700.DWR.Streamflow.Month",
  ConstantValue=0,SetEnd="1950-01")
```