
Command Reference: SetDataValue()

Set a data value at a single date/time

Version 08.16.04, 2008-09-12

The `SetDataValue()` command sets a single data value in a time series. Consequently, it can be used to condition a value for subsequent filling (e.g., with `FillRepeat()`) or to "hard-code" data that may not be available in files or databases. **It is good practice to insert comments when editing data to explain the edits.** See also the `SetConstant()` command.

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

Edit SetDataValue() Command

Set a data value for a specific date/time.

Specify the date/time to an appropriate precision using standard formats like the following:

- YYYY for year interval
- MM/YYYY or YYYY-MM for month interval
- MM/DD/YYYY or YYYY-MM-DD for day interval
- MM/DD/YYYY HH or YYYY-MM-DD HH for hour interval
- MM/DD/YYYY hh:mm or YYYY-MM-DD hh:mm for minute interval

See also the `SetConstant()` command.

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

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

EnsembleID (for TSList=EnsembleID):

Date/time to set value: 1950-01

New data value: 550

Command:

```
SetDataValue(TSList=AllMatchingTSID,TSID="08235700.DWR.Streamflow.Month",SetDateTime="1950-01",NewValue=550)
```

Cancel OK

SetDataValue

SetDataValue() Command Editor

The command syntax is as follows:

```
SetDataValue (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. FirstMatchingTSID – the first time series that matches the TSID (single TSID or TSID with wildcards) 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.
SetDateTime	The date/time at which the data value should be set. Specify the date/time precision according to the time series that is being manipulated.	None – must be specified.
NewValue	The new data value.	None – must be specified.

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

```
# 08235700 - ALAMOSA RIVER BELOW CASTLEMAN GULCH NEAR JASPER
08235700.DWR.Streamflow.Month-HydroBase
SetDataValue(TSList=AllMatchingTSID,TSID="08235700.DWR.Streamflow.Month",
SetDateTime="1950-01",NewValue=550)
```