

Command Reference: FillConstant()

Fill missing time series data using a constant value

Version 11.03.00, 2015-05-31

The `FillConstant()` command fills the missing data in a time series with the specified value. This fill technique is useful for filling missing data with zeros, perhaps as the last step in a sequence of filling commands.

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

FillConstant() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
TSList	Indicates the list of time series to be processed: <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.	AllTS

	<ul style="list-style-type: none"> • 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. 	
TSID	The time series identifier or alias for the time series to be modified, using the * wildcard character to match multiple time series. Can be specified with a processor \${Property}.	Required for TSList=*TSID.
EnsembleID	The ensemble to be modified, if processing an ensemble. Can be specified with a processor \${Property}.	Required for TSList=EnsembleID.
ConstantValue	Constant value to use when filling missing data. Can be specified with a processor \${Property}.	None – must be specified.
FillStart	Date/time indicating the start of filling, using a precision appropriate for the time series, or OutputStart. Can be specified with a processor \${Property}.	Fill the entire time series.
FillEnd	Date/time indicating the end of filling, using a precision appropriate for the time series, or OutputEnd. Can be specified with a processor \${Property}.	Fill the entire time series.
FillFlag	If specified, data flags will be enabled for the time series and each filled value will be tagged with the specified string. The flag can then be used later to label graphs, etc. The flag will be appended to existing flags if necessary. Can be specified with a processor \${Property}.	No flag is assigned.
FillFlagDesc	Description to use for the fill flag. The description is used in visual products such as reports and graphs. Can be specified with a processor \${Property}.	No description is assigned to the fill flag.

A sample command file to fill a time series from the State of Colorado's HydroBase is as follows:

```
# 08236500 - ALAMOSA RIVER BELOW TERRACE RESERVOIR
08236500.DWR.Streamflow.Month~HydroBase
FillConstant(TSList=AllMatchingTSID,TSID="08236500.DWR.Streamflow.Month",
ConstantValue=500,FillStart="1970-02",FillEnd="1970-10",FillFlag="C")
```