
Command Reference: FillRepeat()

Fill missing time series data by repeating known data values

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The `FillRepeat()` command fills missing data in time series by repeating observations until another observation is found. This fill technique is useful, for example, where time series are likely to be step-wise or nearly constant, such as some reservoir and diversion time series.

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

Edit FillRepeat() Command

This command fills missing data in the time series by repeating non-missing values.
The fill direction can be forward or backward.
Specify the maximum intervals as blank or zero to fill any gap.
The fill start and end, if specified, will limit the period that is filled.
Use standard date/time formats appropriate for the date/time precision of the time series.

TS list: Optional - indicates the time series to process (default=AllTS).

TSID (for TSList=AllMatchingTSID):

EnsembleID (for TSList=EnsembleID):

Fill start date/time: Optional - fill start (default=fill all).

Fill end date/time: Optional - fill end (default=fill all).

Fill direction: Optional - fill direction (default=Forward).

Max. intervals: Optional - largest gap to fill (default=fill all).

Command:

```
FillRepeat (TSID="08236500.DWR.Streamflow.Month", FillDirection=Forward)
```

FillRepeat

FillRepeat() Command Editor

The command syntax is as follows:

```
FillRepeat (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 |
| FillStart | The starting date/time for the fill. | Available period. |
| FillEnd | The ending date/time for the fill. | Available period. |
| FillDirection | Specify the direction of the fill as Forward or Backward. | Forward |
| MaxIntervals | The maximum number of intervals to fill in a data gap. | Fill all gaps. |

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
FillRepeat(TSList=AllMatchingTSID,TSID="08236500.DWR.Streamflow.Month",
  FillDirection=Forward)
```