
Command Reference: FillFromTS()

Fill missing time series data using data from another time series (or ensemble)

Version 08.15.00, 2008-05-04

The `FillFromTS()` command fills missing data in a time series (or ensemble) by transferring non-missing values from another time series (or ensemble). This is useful when two time series typically have very similar values. The filled time series is not automatically extended. An analysis period can be specified to limit the period that is checked for missing data. See also the `SetFromTS()` command, which will transfer all values. If multiple time series or an ensemble is being processed, the number of independent time series must be one or the same number as the time series being filled.

Data transfer occurs by date/time, not sequentially. This may be a problem if trying to fill from a time series that has been shifted and leap years have caused an offset.

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

Edit FillFromTS() Command

Copy data values from the independent time series to replace missing values in the dependent time series. Only data in the fill period will be checked.

If one independent time series is specified, it will be used for all dependent time series.

If multiple independent time series are specified (e.g., for ensembles), the same number of dependent time series must be specified.

Use a `SetOutputPeriod()` command if the dependent time series period will be extended.

Specify dates with precision appropriate for the data, use blank for all available data, OutputStart, or OutputEnd.

Dependent TS List: **AllMatchingTSID** Indicates the time series to process (default=AllTS).

TSID (for TSList=AllMatchingTSID): 08241000.DWR.Streamflow.Month

EnsembleID (for TSList=EnsembleID):

Independent TS List: **AllMatchingTSID** Indicates the time series to process (default=AllTS).

Independent TSID (for Independent TSList=AllMatchingTSID): 08240500.DWR.Streamflow.Month

Independent EnsembleID (for Independent TSList=EnsembleID):

Fill period: to

Command: `FillFromTS(TSList=AllMatchingTSID,TSID="08241000.DWR.Streamflow.Month",IndependentTSList=AllMatchingTSID,IndependentTSID="08240500.DWR.Streamflow.Month")`

Cancel OK

FillFromTS

FillFromTS() Command Editor

The command syntax is as follows:

```
FillFromTS (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 <code>SelectTimeSeries()</code> 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.	TSID or EnsembleID must be specified if identifiers are being matched.
EnsembleID	The ensemble to be modified, if processing an ensemble.	TSID or EnsembleID must be specified if identifiers are being matched.
Independent TSList	Indicates how to determine the list of independent time series (see the explanation of TSList).	AllTS
Independent TSID	The time series identifier or alias for the independent time series (see the explanation of TSID).	
Independent EnsembleID	The ensemble identifier for the independent time series (see the explanation of EnsembleID).	
FillStart	The date/time to start filling, if other than the full time series period.	Fill the entire period.
FillEnd	The date/time to end filling, if other than the full time series period.	Fill the entire period.

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

```
#
# 08241000 - TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR
08241000.DWR.Streamflow.Month~HydroBase
# 08240500 - TRINCHERA CREEK ABOVE TURNER'S RANCH
08240500.DWR.Streamflow.Month~HydroBase
FillFromTS(TSList=AllMatchingTSID,TSID="08241000.DWR.Streamflow.Month",
    IndependentTSList=AllMatchingTSID,
    IndependentTSID="08240500.DWR.Streamflow.Month")
```