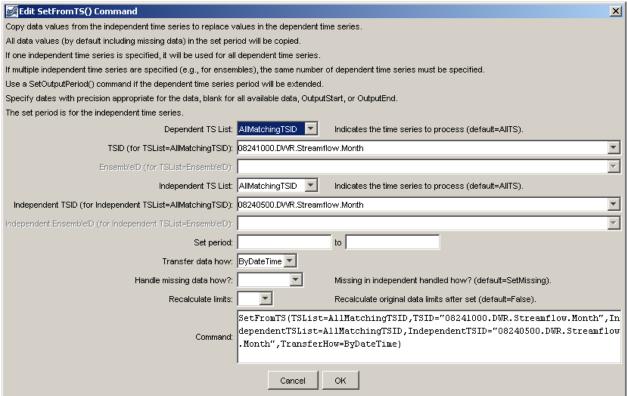
Command Reference: SetFromTS()

Set time series data using another time series

Version 08.16.03, 2008-08-18

The SetFromTS () command sets data in a dependent time series by transferring values from an independent time series. A period can be specified to limit the period that is processed. See also the FillFromTS () command, which will transfer values only when the dependent time series has missing data. Only data values are transferred – time series header information (e.g., data type, alias) will not be modified. 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.

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



SetFromTS() Command Editor

SetFromTS

The command syntax is as follows:

SetFromTS(Parameter=Value,...)

Command Parameters

Parameter	Description	Default
TSList	Indicates the list of time series to be processed,	AllTS
	one of:	
	• AllMatchingTSID – all time series that	

Parameter	Description	Default
	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.	
TSID	The time series identifier or alias for the time	Required when
	series to be modified, using the * wildcard	TSList=*TSID
	character to match multiple time series.	
EnsembleID	The ensemble to be modified, if processing an	Required when
	ensemble.	TSList=EnsembleID.
Independent	Indicates how to determine the list of independent	AllTS
TSList	time series (see the explanation of TSList).	
Independent	The time series identifier or alias for the	Required when a
TSID	independent time series (see the explanation of	<pre>IndependentTSList= *TSID</pre>
T . 1 1	TSID).	
Independent EnsembleID	The ensemble identifier for the independent time	Required when
Elisembleid	series (see the explanation of EnsembleID).	<pre>IndepndentTSList= EnsembleID.</pre>
SetStart	The date/time to start setting data, if other than	Full period if * is
	the full time series period.	specified.
SetEnd	The date/time to end setting data, if other than the	Full period if * is
	full time series period.	specified.
TransferHow	Indicates how to transfer data:	None – must be specified.
	• ByDateTime – a date/time in one time	
	series will be lined up with the other time	
	series.	
	• Sequentially – data from the	
	independent will be transferred sequentially,	
	even if the date/time does not align (used	
	when transferring continuous data over Feb	
77	28/29, without gaps).	C - L M ' '
HandleMissingHow	Indicates how to handle missing data in the	SetMissing
	independent time series:	
	• IgnoreMissing – missing values in the	
	independent time series WILL NOT be	
	transferred to the dependent time series.	
	• SetMissing – missing values in the independent time series WILL be transferred	
	to the dependent time series.	
RecalcLimits	Available only for monthly time series. Indicate	False (only the values in
1.0001011111100	Available only for monthly time series. Indicate	Larse (only the values III

Parameter	Description	Default
	whether the original data limits for the time series	the initial time series will
	should be recalculated after the setting the time	be used for historical
	series values. Setting to True is appropriate if	data).
	the independent time series provides observations	
	consistent with the original data.	

A sample command file to process 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
SetFromTS(TSList=AllMatchingTSID,TSID="08241000.DWR.Streamflow.Month",
IndependentTSList=AllMatchingTSID,
IndependentTSID="08240500.DWR.Streamflow.Month",
TransferHow=ByDateTime)
```

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