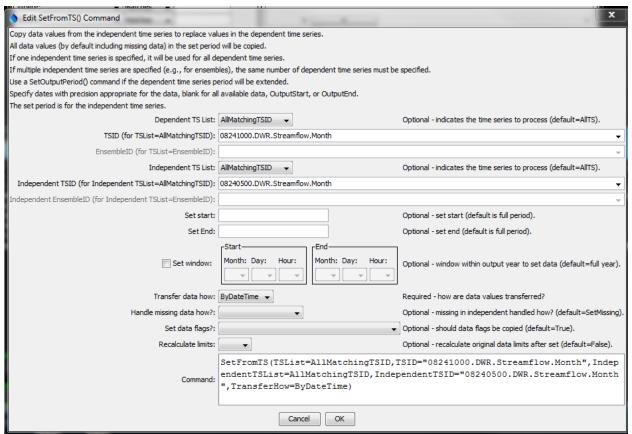
Command Reference: SetFromTS()

Set time series data using data from another time series

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The SetFromTS () command sets data in a dependent time series by transferring values from an independent time series. A period and window within the year 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	
	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	AllTS
TSList	independent 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	IndependentTSList=
	TSID).	*TSID
Independent	The ensemble identifier for the independent	Required when
EnsembleID	time series (see the explanation of	IndepndentTSList=
	EnsembleID).	EnsembleID.
SetStart	The date/time to start setting data, if other than	Full period.
	the full time series period.	
SetEnd	The date/time to end setting data, if other than	Full period.
	the full time series period.	
SetWindowStart	The date/time (without year) indicating the	Full year.
	start of the window within a year to set values	
	in the output (dependent) time series. For	
	example:	
	• mm – for monthly time series	
	• mm-dd - for daily time series	

Parameter	Description	Default
	• mm-dd-hh - for hourly data	
SetWindowEnd	The date/time (without year) indicating the end of the window within a year to set values in the output (dependent) time series.	Full year.
TransferHow	 Indicates how to transfer data: 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 	None – must be specified.
HandleMissingHow	data over Feb 28/29, without gaps). Indicates how to handle missing data in the 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. SetOnlyMissingValues – only the missing values in the independent time series will be transferred, useful when a separate time series has been used to insert additional missing values.	SetMissing
SetDataFlags	Indicates if data flags should also be transferred.	True
RecalcLimits	Available only for monthly time series. Indicate whether the original data limits for the time series should be recalculated after the setting the time series values. Setting to True is appropriate if the independent time series provides observations consistent with the original data.	False (only the values in the initial time series will be used for historical 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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