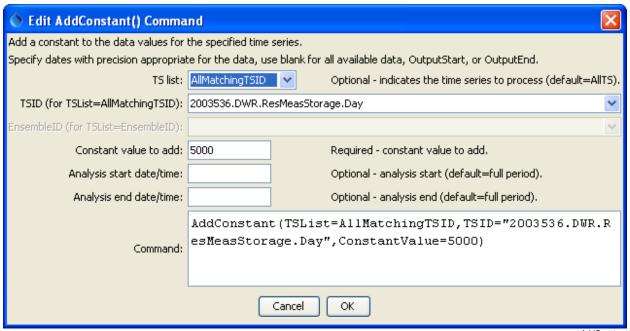
Command Reference: AddConstant()

Add a constant value to all data values in a time series (or ensemble)

ersion 11.03.00, 2015-06-01

The AddConstant () command adds a constant value to each data value in a time series (or ensemble of time series) within the specified period. This command is useful, for example, when a time series needs to be adjusted for a constant bias. Another example is to adjust a reservoir total volume time series by the dead pool storage in order to compute the active storage (or inverse). Missing data values will remain missing in the result.

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



AddConstant() Command Editor

AddConstan

The command syntax is as follows:

AddConstant(Parameter=Value,...)

Command Parameters

Parameter	Description	Default
TSList	Indicates the list of time series to be processed, one of:	AllTS
	• 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.	
TSID	The time series identifier or alias for the time series to	TSID or
	be modified. Can be specified using processor	EnsembleID
	\${Property}.	must be specified.
EnsembleID	The ensemble to be modified, if processing an	TSIDor
	ensemble. Can be specified using processor	EnsembleID
	\${Property}.	must be specified.
ConstantValue	The data value to add to the time series.	None – must be specified.
AnalysisStart	The date/time to start analyzing data. Can be specified	Full period.
	using processor \${Property}.	*
AnalysisEnd	The date/time to end analyzing data. Can be specified	Full period.
	using processor \${Property}.	_

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

CommandReference/AddConstant/Example_AddConstant_HydroBase.TSTool