## Command Reference: Add()

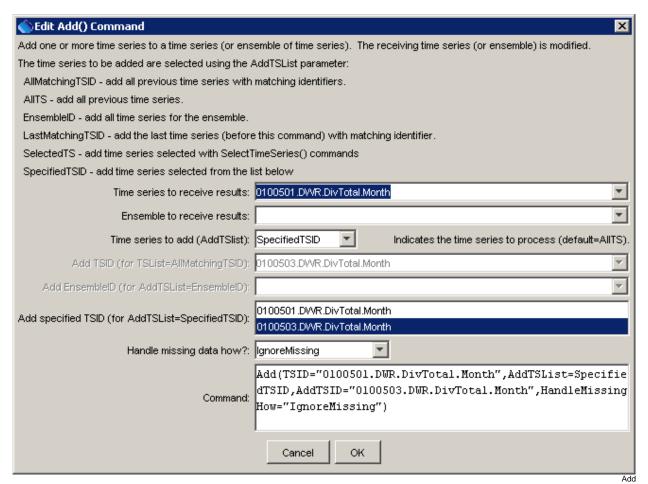
## Add one or more time series to a time series (or ensemble)

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The Add() command adds regular interval time series. The receiving time series will be set to the sum of itself and all indicated time series. See also the NewTimeSeries() command, which can create an empty time series to receive a sum. If an ensemble is being processed, another ensemble can be added, a single time series can be added to all time series in the ensemble, or a list of time series can be added to the ensemble (the number in the list must match the number of time series in the ensemble).

This command will generate an error if the time series do not have compatible units. If the units are compatible but are not the same (e.g., IN and FT), then the units of the part will be converted to the units of the sum before addition. Missing data in the parts can be ignored (do not set the sum to missing) or can result in missing values in the sum. The user should consider the implications of ignoring missing data. Time series being added must have the same data interval.

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



Add() Command Editor

Add() Command TSTool Documentation

The command syntax is as follows:

Add(Parameter=Value,...)

## **Command Parameters**

Parameter	Description	Default
TSID	The time series identifier or alias for the time series to receive the	TSID or
	sum.	EnsembleID must
		be specified.
EnsembleID	The ensemble to receive the sum, if processing an ensemble.	TSID or
		EnsembleID must
		be specified.
AddTSList	Indicates how the list of time series is specified, one of:	AllTS (the time
	• AllTS – all time series before the command.	series receiving the
	AllMatchingTSID – all time series that match the	sum will not be
	AddTSID (single TSID or TSID with wildcards) will be added.	added to itself)
	• EnsembleID – the time series from ensemble will be added.	
	• LastMatchingTSID – the last time series that matches the	
	TSID (single TSID or TSID with wildcards) will be added.	
	• SelectedTS – the time series are those selected with the	
	SelectTimeSeries() command.	
	• SpecifiedTSID – the specified list of time series given by	
	the AddTSID parameter.	
AddTSID	If the AddTSList parameter is SpecifiedTSID, provide the	Must be specified if
	list of time series identifiers (or alias) to add, separated by	TSList=
	commas. If the AddTSList parameter is AllMatchingTSID,	SpecifiedTSID,
	FirstMatchingTSID, or LastMatchingTSID, specify a	ignored otherwise.
- 1 1 - 1 1	single TSID or a TSID with wildcards.	
AddEnsembleID	If the EnsembleID parameter is specified, providing an	Use if an ensemble
	ensemble ID will add the ensembles.	is being added to
** 17		another ensemble.
Handle MissingHow	Indicates how to handle missing data in a time series, one of:	IgnoreMissing
	• IgnoreMissing – create a result even if missing data are	
	encountered in one or more time series – this option is not as	
	rigorous as the others	
	• SetMissingIfOtherMissing – set the result missing if	
	any of the other time series values is missing	
	SetMissingIfAnyMissing – set the result missing if	
	any time series value involved is missing	

A sample command file to add two time series from the State of Colorado's HydroBase is as follows:

```
# 0100501 - EMPIRE DITCH
0100501.DWR.DivTotal.Month~HydroBase
# 0100503 - RIVERSIDE CANAL
0100503.DWR.DivTotal.Month~HydroBase
Add(TSID="0100501.DWR.DivTotal.Month",TSList="SpecifiedTSID",
AddTSID="0100503.DWR.DivTotal.Month",HandleMissingHow=IgnoreMissing)
```