Command Reference: NewEnsemble ()

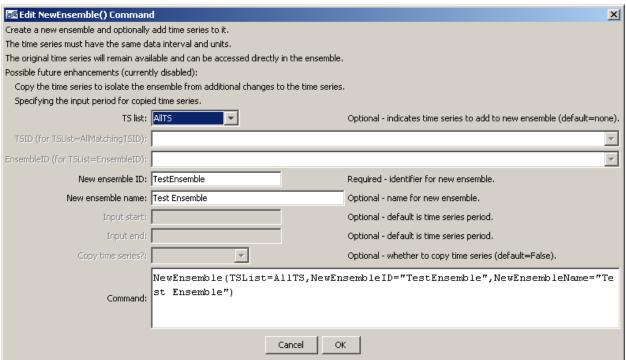
Create a new ensemble and optionally include 1+ time series

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The NewEnsemble () command creates a new ensemble and optionally inserts 1+ existing time series. For example, use the command to create an ensemble that includes multiple scenarios.

It is envisioned that time series added to the ensemble can optionally be copied and the period changed, in order to isolate the data from the original time series. However, currently the time series from the main processor list are simply associated with the ensemble. Consequently, if other commands change the time series (for example free the time series), the ensemble will reflect the changes. Overcoming this issue will require design changes that need to be evaluated.

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



NewEnsemble () Command Editor

NewEnsemble

The command syntax is as follows:

NewEnsemble (Parameter=Value,...)

Command Parameters

Parameter	Description	Default
TSList	Indicates the list of time series to be	AllTS
	processed, one of:	
	• AllMatchingTSID - all time	
	series that match the TSID (single	
	TSID or TSID with wildcards).	

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	• AllTS – all time series before the	
	command.	
	• EnsembleID – all time series in	
	the ensemble.	
	• FirstMatchingTSID - the first	
	time series that matches the TSID	
	(single TSID or TSID with	
	wildcards).	
	• LastMatchingTSID - the last	
	time series that matches the TSID	
	(single TSID or TSID with	
	wildcards).	
	• SelectedTS – the time series are	
	those selected with the	
	SelectTimeSeries()	
MOTE	command.	D : 1 1
TSID	The time series identifier or alias for the	Required when TSList=*TSID
	time series to be processed, using the *	ISLISC= * ISID
	wildcard character to match multiple	
EnsembleID	time series.	D : 1 1
Eliselibieid	The ensemble to be processed, if	Required when TSList=EnsembleID.
NewEnsembleID	processing an ensemble.	
NewEnsembleID NewEnsembleName	The new ensemble identifier.	None – must be specified.
	The name for the new ensemble.	Blank.
InputStart	The date/time to start transferring data	Use all data.
	from the time series. Envisioned as	
T T . 1	future enhancement.	** 11.1
InputEnd	The date/time to end transferring data	Use all data.
	from the time series. Envisioned as	
Q	future enhancement.	
CopyTimeSeries	Copy the time series to the ensemble	Associate time series in the main
	rather than using time series in the main	time series list with the new
	time series list. This protects the data in	ensemble.
	the ensemble from general processing	
	commands. Envisioned as future	
	enhancement.	

A sample command file to create an ensemble from user-defined time series is as follows:

```
# Test creating an ensemble from year interval time series
TS ts1 = NewPatternTimeSeries(NewTSID="ts1..Flow.Year",
        SetStart="1960",SetEnd="2000",Units="ACFT",
        PatternValues="1,2,5,8,,20")
TS ts2 = NewPatternTimeSeries(NewTSID="ts2..Flow.Year",
        SetStart="1950",SetEnd="2005",Units="ACFT",
        PatternValues="2,4,10,16,,40")
NewEnsemble(TSList=AllTS,
        NewEnsembleID="TestEnsemble",NewEnsembleName="Test Ensemble")
```