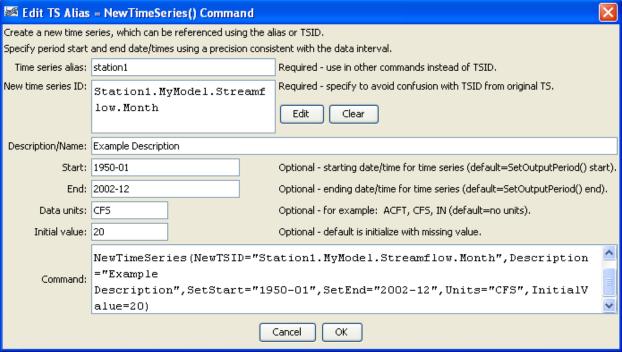
## Command Reference: TS Alias = NewTimeSeries()

Create a new time series

ersion 09.08.01, 2010-09-15

The NewTimeSeries () command creates a new time series in memory and assigns it an alias. This time series can then be manipulated (e.g., added to, filled). This command is useful, for example, to create a new time series to receive the results of a series of manipulations, rather than having the results accumulate in the first time series.

The following dialog is used to edit the command and illustrates the syntax for the command. The new time series identifier is edited by pressing the *Edit* button.



NewTimeSeries() Command Editor

NewTimeSeries

The command syntax is as follows:

TS Alias = NewTimeSeries(Parameter=Value,...)

## **Command Parameters**

Parameter	Description	Default
Alias	The alias of the new time series, which	None – must be specified.
	can be used in place of the TSID in other	
	commands.	
NewTSID	The time series identifier of the new time	None – must be specified with at
	series. The editor dialog formats the	least minimal information
	identifier from its parts.	(location, data type, interval).
Description	The description for the time series, used	Blank.
	in output.	
SetStart	The start of the time series data period,	Use the start from
	or blank to use the output period defined	SetOutputPeriod().
	with the SetOutputPeriod()	
	command.	
SetEnd	The end of the time series data period, or	Use the end from
	blank to use the output period defined	SetOutputPeriod().
	with the SetOutputPeriod()	
	command.	
Units	Data units for the time series.	Blank.
InitialValue	The initial value to populate the time	Initialize the time series to
	series.	missing data.

The example commands file shown below creates a new time series and initializes it to a constant of 20 CFS. Uncommenting the first command would allow the SetStart and SetEnd parameters to be removed from the NewTimeSeries() command. The interval (Month below) must match a recognized type but the other parts of the identifier are not standardized.

```
SetOutputPeriod(OutputStart="1950-01",OutputEnd="2002-12")
TS station1 = NewTimeSeries(NewTSID="Station1.MyModel.Streamflow.Month",
    Description="Example Description",SetStart="1950-01",
    SetEnd="2002-12",Units="CFS",InitialValue=20)
```