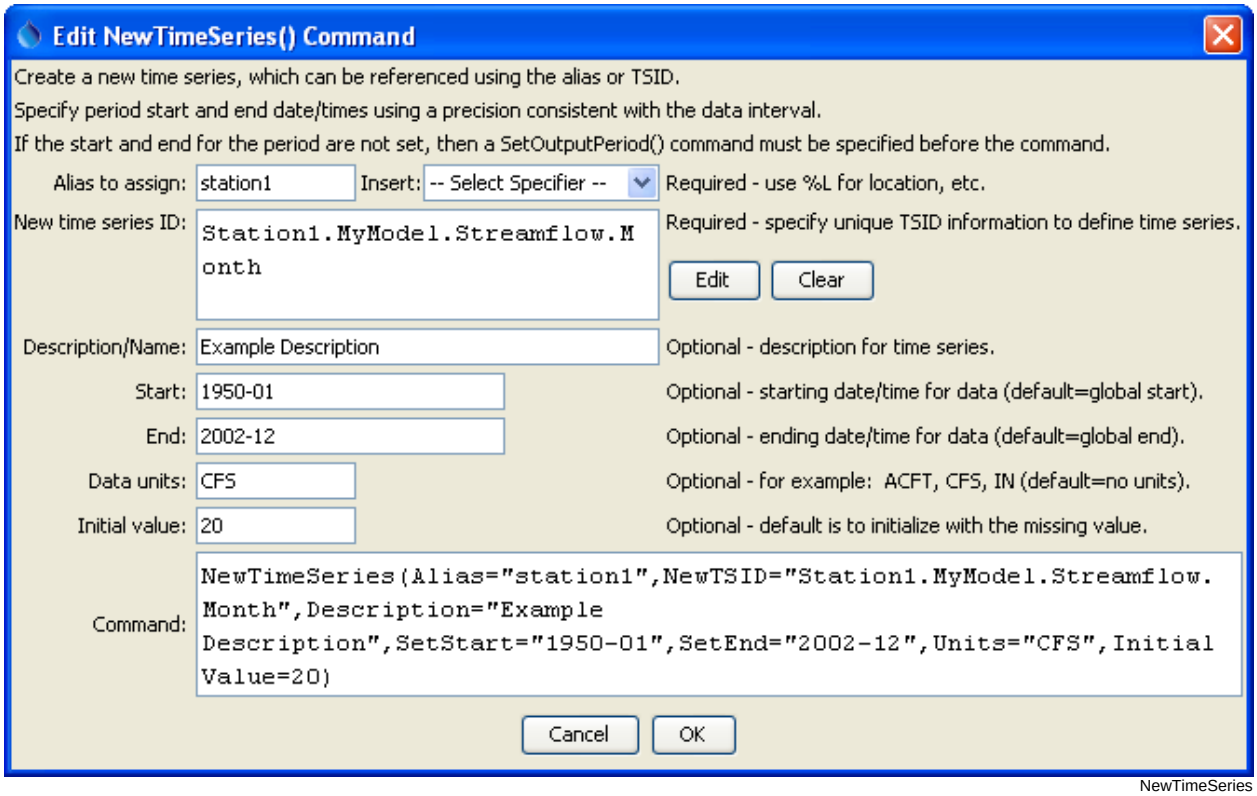
Command Reference: NewTimeSeries()

Create a new time series

Version 10.00.00, 2011-03-23

The `NewTimeSeries()` command creates a new time series in memory and assigns it an alias. This time series then can be manipulated (e.g., added to, filled). The 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, which provides critical information including the data interval, is edited by pressing the ***Edit*** button.



NewTimeSeries

NewTimeSeries() Command Editor

The command syntax is as follows:

```
NewTimeSeries(Parameter=Value,…)
```

The following older command syntax is updated to the above syntax when a command file is read:

```
TS Alias = NewTimeSeries(Parameter=Value,…)
```

Command Parameters

Parameter	Description	Default
Alias	The alias to assign to the time series, as a literal string or using the special formatting characters listed by the command editor. The alias is a short identifier used by other commands to locate time series for processing, as an alternative to the time series identifier (TSID).	None – must be specified.
NewTSID	The time series identifier of the new time series. The editor dialog formats the identifier from its parts.	None – must be specified with at least minimal information (location, data type, and interval).
Description	The description for the time series, used in output.	Blank.
SetStart	The start of the time series data period, or blank to use the output period defined with the SetOutputPeriod() command.	Use the start from SetOutputPeriod().
SetEnd	The end of the time series data period, or blank to use the output period defined with the SetOutputPeriod() command.	Use the end from SetOutputPeriod().
Units	Data units for the time series.	Blank.
InitialValue	The initial value to populate the time series.	Initialize the time series to missing data.

The example command 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 such as data type are user-defined.

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