# Command Reference: NewPatternTimeSeries()

## Create a new time series containing a pattern of repeating values

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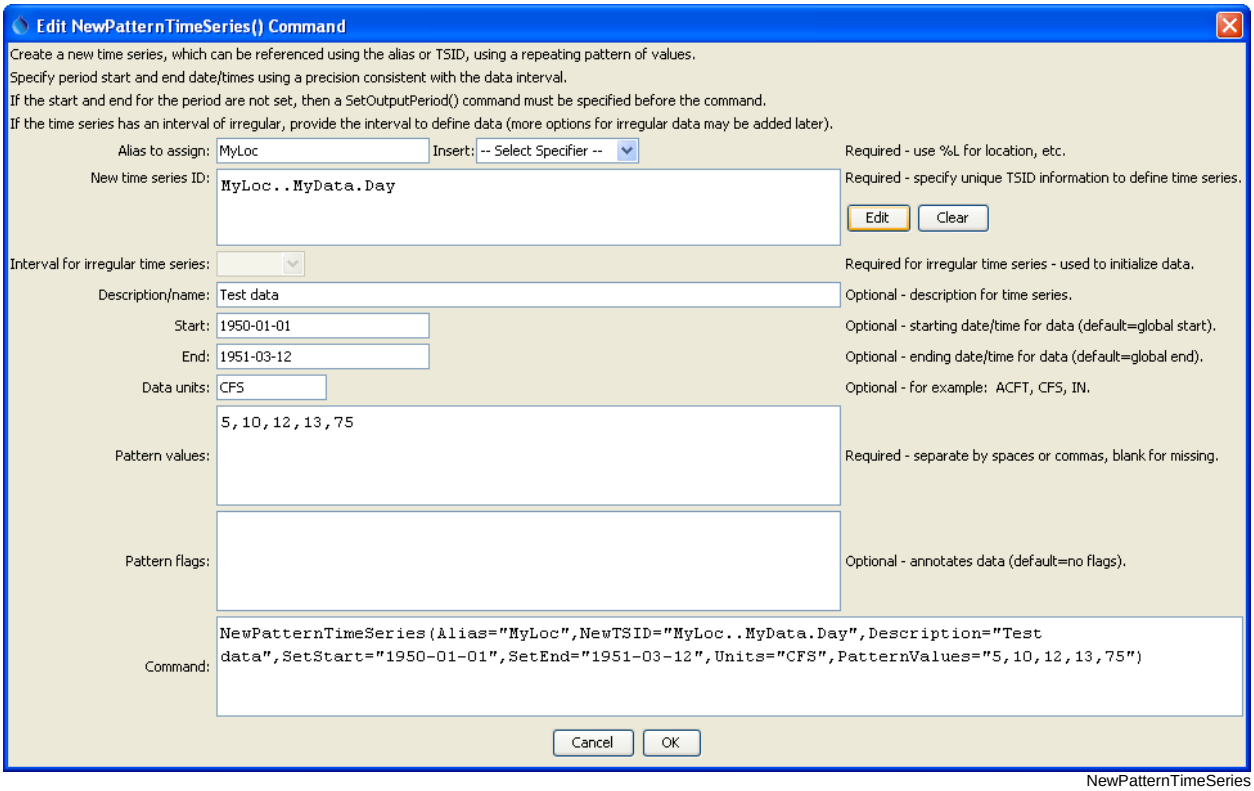
The `NewPatternTimeSeries()` command creates a new time series containing a repeating pattern of numbers. This command is useful for generating data to test other commands.

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




NewPatternTimeSeries

**NewPatternTimeSeries() Command Editor**

The command syntax is as follows:

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

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

```
TS Alias = NewPatternTimeSeries(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 to be assigned to the new time series, which is useful to avoid confusion with the original time series. | None – must be specified. |
| `IrregularInterval` | Interval to use to populate irregular time series (e.g., `1Hour`, `Month`), necessary because data need to be assigned somehow. | None – must be specified for irregular time series. |
| `Description` | Description for the time series. | None. |
| `SetStart` | Start date/time to set data. | None – must be specified. |
| `SetEnd` | End date/time to set data. | None – must be specified. |
| `Units` | Units for the data values. | None. |
| `PatternValues` | Data values, separated by commas. | None – must be specified. |
| `PatternFlags` | Short strings to assign to the values (used to annotate graphs and other output) separated by commas. | No flags are assigned. |

## Examples

The following example command file illustrates how to create a pattern time series for testing:

```
NewPatternTimeSeries(Alias=”MyLoc”,NewTSID="MyLoc..MyData.Day",
  Description="Test data",SetStart="1950-01-01",
  SetEnd="1951-03-12",Units="CFS",PatternValues="5,10,12,13,75")
WriteDateValue(OutputFile=",Example_NewPatternTimeSeries_out.dv")
```