

# Command Reference: TS Alias = NewPatternTimeSeries()

Create a new time series containing a pattern of repeating values

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The `TS Alias = 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.

**Edit TS Alias = NewPatternTimeSeries() Command**

Create a new time series, which can be referenced using the alias or TSID, using a repeating pattern of values.  
Specify period start and end date/times using a precision consistent with the data interval.  
If the time series has an interval of irregular, provide the interval to define data (more options for irregular data may be added later).

Time series alias:  Can use in other commands instead of TSID.  
New time series ID:  Specify to avoid confusion with TSID from original TS.

Interval for irregular time series:  Use to initialize data (irregular time series only).

Description/Name:

Start:  Starting date/time for time series (blank=setOutputPeriod() start).  
End:  Ending date/time for time series (blank=setOutputPeriod() end).  
Data units:  For example: ACFT, CFS, IN.

Pattern values:  Separate by spaces or commas (default is all missing values).

Command: 

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

NewPatternTimeSeries

**TS Alias = NewPatternTimeSeries() Command Editor**

The command syntax is as follows:

`TS Alias = NewPatternTimeSeries(Parameter=Value,...)`

## Command Parameters

Parameter	Description	Default
Alias	The alias of the new time series, which can be used instead of the TSID in other commands.	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.
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

Parameter	Description	Default
		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.

## Examples

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

```
TS Alias = NewPatternTimeSeries(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="Results\Example_NewPatternTimeSeries_out.dv")
```