
Command Reference: SetOutputPeriod()

Set the output period for time series

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The `SetOutputPeriod()` command sets the output period for time series. See also the `SetInputPeriod()` command. The period for a time series when read or created will be set to the maximum of the following periods, in order to satisfy output and data filling requirements:

- available data
- output period (if specified)
- input period (if specified)

Specifying the output period is necessary when creating model files or filling an extended period (time series will not automatically be extended by fill commands).

The following dialog is used to edit this command and illustrates the syntax of the command. Note that the output period should always use calendar month and year, even if other than calendar year are used for output (see `SetOutputYearType()`).

Edit SetOutputPeriod() Command

Set the global (default) output period for time series and output products.
The time series period after reading typically will be extended to the output period by using the missing value.
Use a `SetOutputPeriod()` command to guarantee a longer period when filling/extending data.
Specify the command at the top of commands when filling a specific period.
Enter date/times to a precision appropriate for time series being processed. For example:

Year data: YYYY
Month data: MM/YYYY or YYYY-MM
Day data: MM/DD/YYYY or YYYY-MM-DD
Hour data: MM/DD/YYYY HH or YYYY-MM-DD HH
Minute data: MM/DD/YYYY HH:mm or YYYY-MM-DD HH:mm

Special values are also recognized (for all precisions):
CurrentToYear = the current date to year precision
CurrentToMinute = the current date/time to minute precision
CurrentToMinute - 7Day = current date/time minus 7 days
CurrentToMinute + 7Day = current date/time plus 7 days
The above Current* values can have modifiers as shown in the following examples (can chain multiple modifiers):
CurrentToMinute.Round(5Min).RoundDirection(>) - round to the next even 5min
CurrentToMinute.Round(6hour).TimeZone() - round to the pervious even 6hour and set time zone to blank
\${Property} = processor property as DateTime object or date/time string
See also the `SetInputPeriod()` command, which will constrain the period that is read.

Output period start: Required

Output period end: Required

Command:

SetOutputPeriod() Command Editor

SetOutputPeriod

The command syntax is as follows:

```
SetOutputPeriod(Parameter=Value,...)
```

Command Parameters

Parameter	Description	Default
OutputStart	<p>The date/time to for the output start:</p> <ul style="list-style-type: none"> • A date/time string (see dialog above for examples). • CurrentToYear, CurrentToMonth, CurrentToDay, CurrentToHour, CurrentToMinute, indicating the current date/time to the specified precision. By default the local time zone on the computer will be assigned and will be used in output when the date/time includes time. To omit time zone, use the <code>timezone()</code> modifier as shown in the following table. • A <code>Current*</code> value +/- an interval, for example. See modifiers in following table. • A processor property indicated with <code>\${Property}</code> 	None – must be specified.
OutputEnd	The date/time to for the output end. See the description for OutputStart.	None – must be specified.

The `CurrentToYear` and other special date/time values can be followed by modifiers, which can be chained together in any order. For example, the following will adjust the current time rounded to 5 minutes into the future and set the time zone to blank:

```
CurrentToMinute.Round(5min).RoundDirection(>).TimeZone()
```

CurrentTo* Modifiers

Modifier	Description
<code>Round(interval)</code>	Round the current date/time to the specified interval (e.g., 5min, 6hour). The default is to round back but see the <code>RoundDirection()</code> modifier.
<code>RoundDirection(<)</code> <code>RoundDirection(>)</code>	<p>Indicate which way the <code>Round()</code> modifier should round the date/time, one of:</p> <ul style="list-style-type: none"> • <code><</code> - round to the nearest past even interval • <code>></code> - round to the nearest future even interval
<code>TimeZone(tzToSet)</code>	Set the time zone for the date/time to the specified time zone string. This does not shift the time value. It simply assigns the time zone string. Blank can be used to set the time zone to blank. Note that other commands may handle time zone in a specific way, for example when reading and writing data.

A sample command file example is as follows:

```
SetOutputPeriod(OutputStart="1950-01",OutputEnd="2002-12")
```