

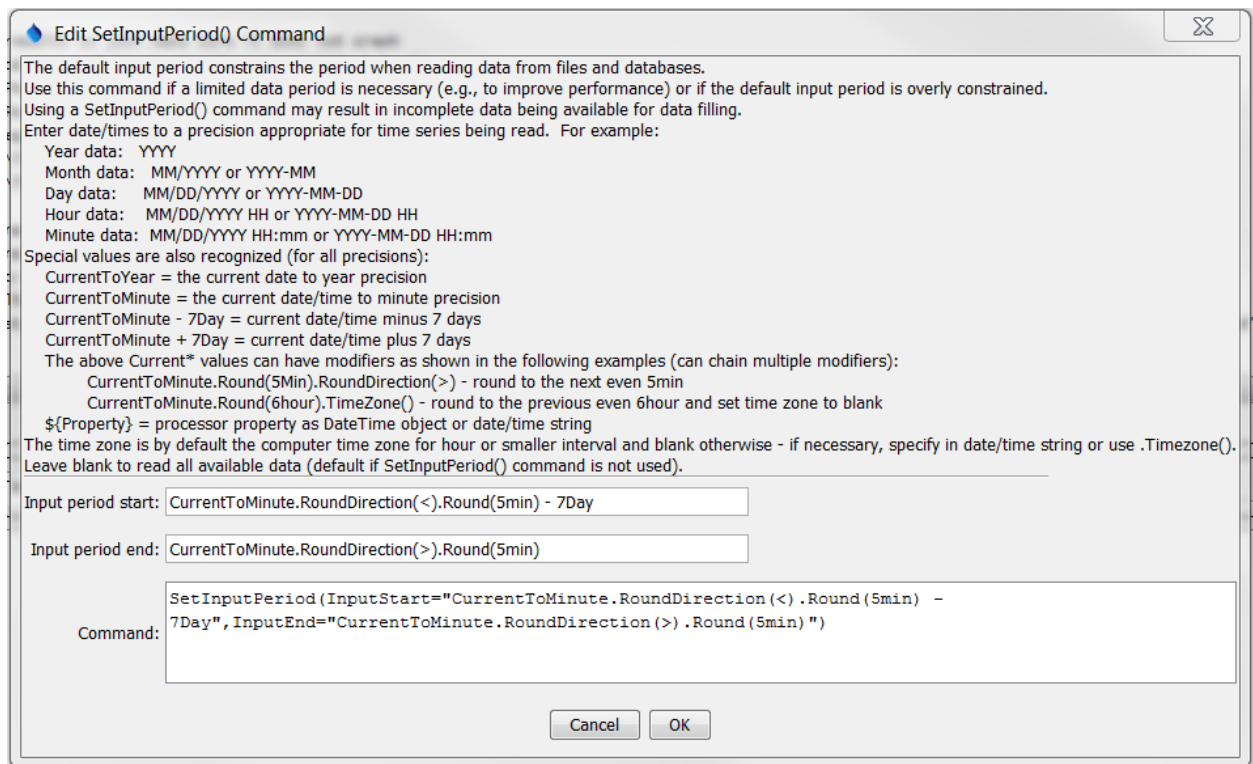
# Command Reference: SetInputPeriod()

## Set the period for reading time series from files and querying from datastores

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The `SetInputPeriod()` command sets the period used for reading time series data from files and datastores. The default in most cases is to read/query all available data so that all data are available for analysis and data filling. However, a shorter period may be desirable to increase performance (e.g., when processing real-time data) or to force matching a historical period. It may be necessary to set the input period if the default for a datastore is very short. See also the `SetOutputPeriod()` command.

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



**Edit SetInputPeriod() Command**

The default input period constrains the period when reading data from files and databases. Use this command if a limited data period is necessary (e.g., to improve performance) or if the default input period is overly constrained. Using a `SetInputPeriod()` command may result in incomplete data being available for data filling. Enter date/times to a precision appropriate for time series being read. 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 previous even 6hour and set time zone to blank  
\${Property} = processor property as DateTime object or date/time string

The time zone is by default the computer time zone for hour or smaller interval and blank otherwise - if necessary, specify in date/time string or use .TimeZone(). Leave blank to read all available data (default if `SetInputPeriod()` command is not used).

Input period start:

Input period end:

Command:

Cancel OK

**SetInputPeriod() Command Editor**

SetInputPeriod

The command syntax is as follows:

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

#### Command Parameters

Parameter	Description	Default
InputStart	The date/time to start reading/querying time series data, one of: <ul style="list-style-type: none"> <li>• A date/time string (see dialog above for examples).</li> <li>• CurrentToYear, CurrentToMonth, CurrentToDay, CurrentToHour, CurrentToMinute, indicating the current date/time to the specified precision.</li> <li>• A Current* value +/- an interval, for example: CurrentToMinute - 7Day</li> <li>• A processor property indicated with \${Property}</li> </ul>	None – must be specified.
InputEnd	The date/time to end reading/querying time series data. See description for InputStart.	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
Round(interval)	Round the current date/time to the specified interval (e.g., 5min, 6hour). The default is to round back but see the RoundDirection() modifier.
RoundDirection(<) RoundDirection(>)	Indicate which way the Round() modifier should round the date/time, one of: <ul style="list-style-type: none"> <li>• &lt; - round to the nearest past even interval</li> <li>• &gt; - round to the nearest future even interval</li> </ul>
TimeZone(tzToSet)	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 (no value) 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.