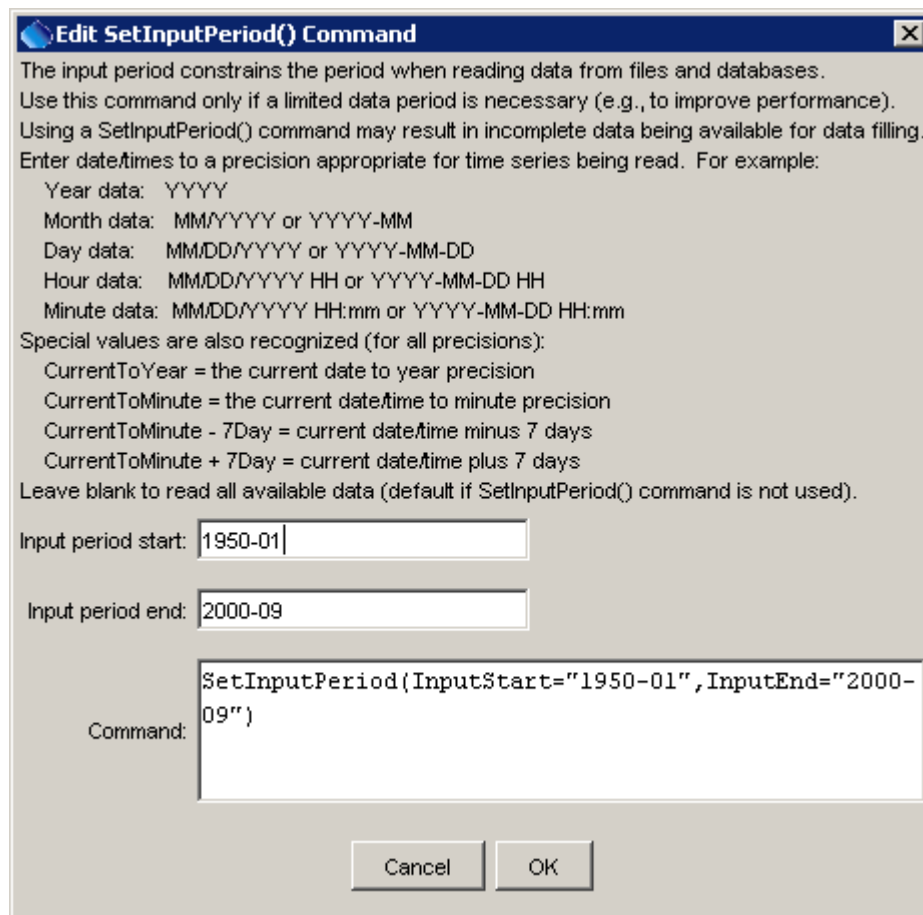# Command Reference: SetInputPeriod()

Set the period for reading time series from files and querying from databases

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The `SetInputPeriod()` command sets the period used for reading time series data from files and querying data from databases. The default 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. This command replaces the `SetQueryPeriod()` command. See also the `SetOutputPeriod()` command.

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

SetInputPeriod

SetInputPeriod() Command Editor

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: • A date/time string (see dialog above for examples). • CurrentToYear, CurrentToMonth, CurrentToDay, CurrentToHour, CurrentToMinute, indicating the current date/time to the specified precision. • A Current* value +- an interval, for example: CurrentToMinute – 7Day	None – must be specified.
InputEnd	The date/time to end reading/querying time series data, one of: • A date/time string (see dialog above for examples). • CurrentToYear, CurrentToMonth, CurrentToDay, CurrentToHour, CurrentToMinute, indicating the current date/time to the specified precision. • A Current* value +- an interval, for example: CurrentToMinute – 7Day • An expression involving InputStart, used similar to the Current* values.	None – must be specified.

A sample commands file for historical data from the State of Colorado's HydroBase is as follows:

```
SetInputPeriod(InputStart="1950-01",InputEnd="2000-09")
# 06754000 - SOUTH PLATTE RIVER NEAR KERSEY
06754000.DWR.Streamflow.Month~HydroBase
```

A sample commands file for real-time data is as follows:

```
SetInputPeriod(InputStart="CurrentToMinute - 14Day",
  InputEnd="CurrentToMinute + 1Hour")
# 06754000 - SOUTH PLATTE RIVER NEAR KERSEY
06754000.DWR.Streamflow-DISCHRG.Irregular~HydroBase
```