
Command Reference: ReadUsgsNwis()

Read a single time series from a USGS NWIS file

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The `ReadUsgsNwis()` command reads a single time series from a USGS NWIS file (see the **USGSNWIS Input Type Appendix**) and assigns an alias to the result. Currently only the daily streamflow format is supported and the file being read **must contain only one time series**. The data type is assigned as `Streamflow`, with units `CFS`. See also the `WebGet()` command, which can be used to retrieve data files from the USGS website. New features also are being implemented to read data from USGS web services (see the **USGS NWIS Data Store Appendix**).

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

Edit ReadUsgsNwis() Command

Read a single time series from a USGS NWIS format file. Currently only daily streamflow is supported.
Specify a full path or relative path (relative to working directory) for a USGS NWIS file to read.
Specifying the period will limit data that are available for fill commands but can increase performance.
If not specified, the period defaults to the global input period, or read all.
The working directory is: C:\Develop\TSTool_SourceBuild\TSTool\test\regression\UserManualExamples\TestCases\CommandReference\ReadUsgsNwis

USGS NWIS file to read:

Alias to assign: Insert:

Input start: Optional - overrides the global input start.

Input end: Optional - overrides the global input end.

Command:

ReadUsgsNwis

ReadUsgsNwis() Command Editor

The command syntax is as follows:

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

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

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

Command Parameters

Parameter	Description	Default
InputFile	The name of the USGS NWIS file to read, surrounded by double quotes. The path to the file can be absolute or relative to the working directory.	None – must be specified.
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.
InputStart	The start of the period to read data – specify if the period should be different from the global query period.	Use the global query period.
InputEnd	The end of the period to read data – specify if the period should be different from the global query period.	Use the global query period.

A sample command file is as follows:

```
ReadUsgsNwis(Alias="ts1",InputFile="G03451500.txt")
```