
Command Reference: ReadUsgsNwisRdb()

Read a single time series from a USGS NWIS RDB file

Version 11.11.00, 2016-05-16

The `ReadUsgsNwisRdb()` command reads a single time series from a USGS NWIS RDB file (see the **UsgsNwisRdb Input Type Appendix**) and assigns an alias to the result. This command replaces the older `ReadUsgsNwis()` command – legacy `ReadUsgsNwis()` commands are automatically translated to `ReadUsgsNwisRdb()` commands. RDB files do not have complete metadata (such as indicating the data interval) and therefore command parameters are required. See also the `WebGet()` command, which can be used to retrieve data files from the USGS website.

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

Edit ReadUsgsNwisRdb() Command

Read a single time series from a USGS NWIS RDB format file (only first data value and accompanying flag will be 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:\owf-gitrepos\cdss-app-tstool-test\test\regression\commands\general\ReadUsgsNwisRdb

USGS NWIS RDB file to read:

Alias to assign: => Required - use %L for location, etc.

Data type: Optional - data type (default=column heading from file).

Data interval: Required - data interval for time series.

Data units: Optional - units for data (default=blank).

Input start: Optional - overrides the global input start.

Input end: Optional - overrides the global input end.

Command:
`ReadUsgsNwisRdb (InputFile="Data\09512500_Discharge.txt", Alias="nwis", DataType="Streamflow", Interval=15Minute, Units="cfs")`

ReadUsgsNwisRdb

ReadUsgsNwisRdb() Command Editor

The command syntax is as follows:

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

The following legacy 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 RDB file to read, surrounded by double quotes. The path to the file can be absolute or relative to the working directory. Can be specified with <code>\${Property}</code> .	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.
DataType	The data type to assign to time series.	Use the column heading, e.g., 01 00060.
Interval	The time series data interval for output.	In the future may determine from the file but should be defined by the parameter.
Units	Data units to assign to output.	No units assigned.
InputStart	The start of the period to read data – specify if the period should be different from the global query period. Can be specified with <code>\${Property}</code> .	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. Can be specified with <code>\${Property}</code> .	Use the global query period.