
Command Reference: TS X = readDateValue()

Read a single time series from a DateValue File

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The TS Alias = readDateValue() command reads a single time series from a DateValue file (see the **DateValue Input Type Appendix**) and assigns an alias to the result. This command should not be confused with the readDateValue() command that does not use the alias, which reads all time series in a DateValue file. Currently the file being read **must contain only one time series**.

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

Edit TS x = readDateValue() Command

Read a single time series from a DateValue format file. Specifying "Identifier/Alias to Read" allows reading from a file containing multiple time series (currently under development).

Specify a full path or relative path (relative to working directory) for a DateValue file to read.

Specifying the period will limit data that are available for fill commands but can increase performance.

Specifying units causes conversion during the read (currently under development).

If not specified, the period defaults to the query period.

The working directory is: J:\CDSS\develop\Apps\TSTool\test\Commands\statemodMax

Time Series Alias:

DateValue File to Read:

Identifier/Alias to Read:

Units to convert to:

Period to Read: to

Command:

TS_readDateValue

TS Alias = readDateValue() Command Editor

The command syntax is as follows:

```
TS X = readDateValue(InputFile,TSID,NewUnits,InputStart,InputEnd)
```

Command Parameters

Parameter	Description	Default
Alias	Alias for the new time series that is read from the file, which can be used instead of the TSID in other commands.	None – must be specified.
InputFile	The name of the DateValue input file to read, surrounded by double quotes. The path to the file can be absolute or relative to the working directory. The Browse button can be used to select the file to read (if a relative path is desired, remove the leading path after the select).	None – must be specified.
TSID	A time series identifier pattern to filter the read – this parameter is currently not used. Therefore the DateValue file should contain only one time series.	Currently ignored.
NewUnits	The new units for the time series. The data values will be converted to these units.	Use the units read from the file.
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 commands file is as follows:

```
TS TS_ARMA = readDateValue("TS_ARMA.out",*,*,*,*)
```