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# Command Reference: ReadDateValue()

## Read all time series from a DateValue File

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The `ReadDateValue()` command reads all the time series in a DateValue file into memory. See the **DateValue Input Type Appendix** for information about the file format.

The following dialog is used to edit the command and illustrates the command syntax. The path to the file can be absolute or relative to the working directory. DateValue files allow each time series to have an alias in addition to the time series identifier (TSID); however, the `Alias` parameter can be used to assign a new alias as the file is read.

**Edit ReadDateValue() Command**

Read all the time series from a DateValue file, using information in the file to assign the identifier.  
Time series in DateValue files may also have an alias assigned; however, use the `Alias` parameter to assign a new alias.  
Specify a full path or relative path (relative to the working directory) for a DateValue file to read.  
The working directory is: C:\Develop\TSTool\_SourceBuild\TSTool\test\regression\UserManualExamples\TestCases\CommandReference\ReadDateValue  
Specifying the input period will limit data that are available for fill commands but can increase performance.

DateValue file to read:

Alias to assign:  Insert:  Optional - use %L for location, etc.

Units to convert to:  Optional - request units different from input.

Input start:  Optional - overrides the global input start.

Input end:  Optional - overrides the global input end.

Command:

ReadDateValue

**ReadDateValue() Command Editor**

The command syntax is as follows:

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

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

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

#### Command Parameters

Parameter	Description	Default
InputFile	The name of the DateValue input file to read, surrounded by double quotes to protect whitespace and special characters. Global property values can be used with the syntax <code>\${PropertyName}</code> (see also the <code>SetProperty()</code> command).	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).	The alias in the file will be used if present.
NewUnits	Units to convert data to (must be in the <i>system/DATAUNIT</i> configuration file under the TSTool installation folder).	Use the data units from the file.
InputStart	Starting date/time to read data, in precision consistent with data.	Read all data.
InputEnd	Ending date/time to read data, in precision consistent with data.	Read all data.

A sample command file is as follows:

```
ReadDateValue (InputFile="Data\08251500.DWR.Streamflow.IRREGULAR.dv")
```