
Command Reference: TS Alias = readNwsCard()

Read a single time series from a NWS card file

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The `TS Alias = readNwsCard()` command reads a single time series from a NWS Card file (see the **NWSCard Input Type Appendix**) and assigns an alias to the result. The time series identifier for the time series is set using location = station identifier, data source = blank, data type = data type from file header, and data interval = data interval from file header (or see the `Read24HourAsDay` parameter below).

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

Edit TS Alias = readNwsCard() Command

Read a single time series from a NWS Card format file and assign an alias to the time series.
Specify a full path or relative path (relative to working directory) for a NWS Card file to read.
The working directory is: J:\CDSS\develop\Apps\TSTool\test\Commands\TSX_readNwsCard
Specifying units causes conversion during the read.
If reading 24Hour data as Day and the input period is specified, specify hour 24 of the day or hour 0 of the following day.
Specifying the input period will limit data that are available for fill commands but can increase performance.
Specify date/times using an hour format (e.g., YYYY-MM-DD HH or MM/DD/YYYY HH, where HH is evenly divisible by the interval).
If not specified, the period defaults to the global input period (or all data if not specified).

Time Series Alias:

NWS Card file to read:

Units to convert to:

Read 24 hour as day:

Period to read: to

Command:

```
TS x =  
readNwsCard(InputFile="test.card",NewUnits="CMS",InputStart="1950-01-01 24",InputEnd="2000-12-31 24",Read24HourAsDay=True)
```

TS_readNwsCard

TS Alias = readNwsCard() Command Editor

The command syntax is as follows:

```
TS Alias = readNwsCard(param=value,...)
```

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 by other commands.	None – must be specified.
InputFile	The name of the NWS Card 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.
NewUnits	The new units for the time series. The data values will be converted to these units.	Do not convert the units.
Read24HourAsDay	If True, read 24Hour time series as if the data were Day interval. Because NWS Card format uses hours 1 to 24, treating as 24Hour results in values being saved at hour zero of the next day. Reading as Day interval causes the values to be stored without the shift.	False – read as hourly and shift data at hour 24 to zero of the next day.
InputStart	The start of the period to read – specify if the read period should be different from the global query period. If Read24HourAsDay=True, specify the period using either hour 24 of the start day, or hour 0 of the next day. This parameter must be specified to hour precision with hour's aligning with the file's data.	Use the global input period or if not specified read all the data in the file.
InputEnd	The end of the period to read – specify if the read period should be different from the global query period. If Read24HourAsDay=True, specify the period using either hour 24 of the start day, or hour 0 of the next day. This parameter must be specified to hour precision	Use the global input period or if not specified read all the data in the file.

A sample commands file to read hourly data is as follows:

```
TS Alias = readNwsCard(InputFile="tsl.QIN.txt")
```

A sample commands file to read 24Hour data as a daily time series, while converting units, is as follows:

```
TS x = readNwsCard(InputFile="test.card",NewUnits="CMS",
InputStart="1950-01-01 24",InputEnd="2000-12-31 24",Read24HourAsDay=True)
```