Command Reference: TS Alias = ReadNwsCard()
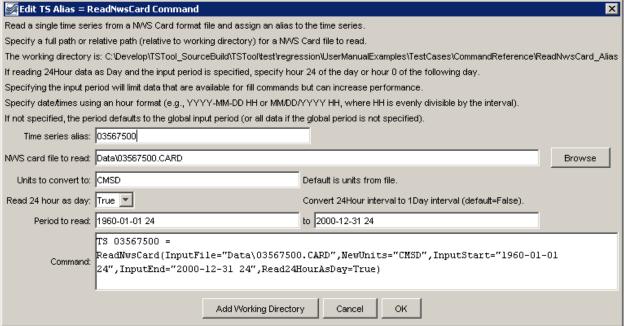
Read a single time series from a National Weather Service card file

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The `TS Alias = ReadNwsCard()` command reads a single time series from a National Weather Service Streamflow Forecast System Card file (see the **NWSCard Input Type Appendix**) and assigns an alias to the result. The full 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 (see also the `Read24HourAsDay` parameter below).

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

ReadNwsCard_Alias

TS Alias = ReadNwsCard() Command Editor

The command syntax is as follows:

```
TS Alias = ReadNwsCard(Parameter=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, to protect spaces and other special characters.	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 command file to read 24Hour data as a daily time series, while converting units, is as follows:

```
TS 03567500 = ReadNwsCard(InputFile="Data\03567500.CARD",NewUnits="CMSD",
  InputStart="1960-01-01 24",
  InputEnd="2000-12-31 24",Read24HourAsDay=True)
```