

Command Reference: ReadStateCU()

Read time series from a StateCU time series or report File

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The `ReadStateCU()` command reads all the time series in a StateCU time series file (e.g., frost dates) or report file (e.g., IWR, WSL) (see the **StateCU Input Type Appendix**).

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

Edit ReadStateCU() Command

Read 1+ (or all) time series from one of the following file types, using data in the file to assign the identifier:

- Crop pattern time series file (StateCU input file).
- Irrigation practice time series file (input).
- StateCU IWR or WSL report file (output).

Specify a full or relative path (relative to working directory).

The working directory is: C:\Develop\TSTool_SourceBuild\TSTool\test\regression\UserManualExamples\TestCases\CommandReference\ReadStateCU

The time series identifier pattern, if specified, will filter the read ONLY for IWR and WSL files; specify blank to read all or use * wildcards to match a time series identifier.

For example, to read all monthly IWR time series for locations starting with ABC, specify:

ABC.*.IWR.Month

Location can be X, X*, or *. Data type and interval can be * or combinations as follows:

- CropArea-AllCrops Year
- IWR or WSL Month, Year
- IWR_Depth or WSL_Depth Month, Year

StateCU file to read:

Input start: Overrides the global input start.

Input end: Overrides the global input end.

Time series ID: Loc.Source.Type.Interval to filter.

New scenario: To help uniquely identify time series (default=none).

Automatically adjust?: ☐ Convert data type with "." to "-" (default=False).

Check data after read?: ☐ Check data integrity after read (default=True)?

Command:

```
ReadStateCU(InputFile="Data\ym2004.iwr")
```

ReadStateCU

ReadStateCU() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
InputFile	The name of the StateCU time series or report file to read, surrounded by double quotes.	None – must be specified.
InputStart	The starting date/time to read, specified to a precision (month or year) that matches the data file.	Read all the data.
InputEnd	The ending date/time to read, specified to a precision (month or year) that matches the data file.	Read all the data.
TSID	A time series identifier pattern that will be used to filter the list of time series that are read. See the figure above for examples.	Read all time series.
NewScenario	A new scenario to use for the TSID. This is useful when reading data from multiple model runs that otherwise would have the same TSIDs.	No scenario.
AutoAdjust	Indicate whether to automatically adjust time series identifiers to use a dash “-” instead of period “.” in the data type, necessary because StateCU data types (e.g., crop types that include CU method) have a period that interferes with the normal TSID convention. This may be made the default in the future.	False
CheckData	Indicate whether to check the data for integrity after reading. Currently only the irrigation practice time series can be checked, to verify that the acreage totals are the sum of the parts.	True

A sample commands file is as follows:

```
ReadStateCU (InputFile="Data\ym2004.iwr" )
```