
Command Reference: ReadStateCUB()

Read time series from a StateCU binary output time series file

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The `ReadStateCUB()` command reads time series from a StateCU binary output time series file (see the **StateCUB Input Type Appendix**). The actual reading occurs as the commands are being processed. For this reason and because the number of time series in the binary file is usually large, if any other commands reference the StateCU binary file time series, the time series identifiers must be specified manually or use wildcards in identifiers (identifiers are not available to list in dialogs). Only data types that contain floating point numbers will be read.

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

Edit ReadStateCUB() Command

Read all the time series from a StateCU binary output file, using information in the file to assign the identifier.
Due to the large number of time series in StateCU binary files, the list of time series identifiers in the file will NOT be available in other command editors.
Specify a full or relative path (relative to working directory).
The working directory is: C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\ReadStateCUB
The time series identifier pattern, if specified, will filter the read.
Use blank or * to read all time series.
Use A* to read all time series with alias or location starting with A.
Use *.XXXXX.* to read all time series with data type XXXXX.
Currently, data source, interval, and scenario are internally defaulted to *.

StateCU binary file to read:

Time series ID: Optional - specify a TSID pattern to match.

Input start: Optional - default is global input start or all data.

Input end: Optional - default is global input end or all data.

Command:

```
ReadStateCUB (InputFile="Data\SP2008_OutOfOrder.BD1", InputStart="1970-01", InputEnd="1971-12")
```

ReadStateCUB

ReadStateCUB() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
InputFile	The name of the StateCU binary time series file to read, surrounded by double quotes. The path to the file can be absolute or relative to the working directory.	None – must be specified.
TSID	Time series identifier pattern to filter the read.	Read all time series.
InputStart	The starting date/time to read data, specified to Month precision.	Read all data.
InputEnd	The ending date/time to read data, specified to Month precision.	Read all data.

The following example command file illustrates how to read all CU Shortage time series:

```
ReadStateCUB( InputFile="Data\farmers.BD1",TSID="*.*.CU Shortage.*.*")
```

The following example illustrates how to read all time series from a binary file with debug turned on to echo all information that is read.

```
StartLog(LogFile="commands.TSTool.log")
SetDebugLevel(LogFileLevel=1)
ReadStateCUB( InputFile="Data\farmers.BD1")
```