

Command Reference: ReadStateModB()

Read time series from a StateMod binary output time series file

Version 08.17.02, 2008-10-28

The `ReadStateModB()` command reads time series from a StateMod binary output time series file (see the **StateModB Input Type Appendix**). Due to the large number of time series that may be read, the time series are only read during processing. Therefore, if any other commands reference the StateMod 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).

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

Edit ReadStateModB() Command

Read time series from a StateMod binary output file, using information in the file to assign the identifier.

Due to the large number of time series in StateMod 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\UserManualExamples\TestCases\CommandReference\ReadStateModB

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 *.

StateMod binary file to read:

Time series ID: Optional - specify a TSID pattern to match (default is all).

Input start: Optional - override the global input start.

Input end: Optional - override the global input end.

StateMod version: Optional - for files prior to StateMod version 11 (default is current version)

Command:

```
ReadStateModB(InputFile="..\StateMod\ym2002b.b43",TSID="44*. *.Available_Flow.*")
```

ReadStateModB

ReadStateModB() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
InputFile	The name of the StateMod 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 Day or Month precision based on whether a daily or monthly model run.	Read all data.
InputEnd	The ending date/time to read data, specified to Day or Month precision based on whether a daily or monthly model run.	Read all data.
Version	StateMod version number corresponding to the file, necessary because the file version number (and consequently parameters) cannot be automatically detected in older versions. Changes in binary file format occurred with version 9.01 and 9.69, mainly to add new data types. The StateMod file version for version 11+ is automatically detected.	Detect from the file if possible.

The following example command file illustrates how to read all Available_Flow time series for identifiers starting with 44 (e.g., to extract all such time series for a water district):

```
ReadStateModB(InputFile="..\StateMod\ym2002b.b43",TSID="44*.*.Available_Flow.*")
```

The following example illustrates how to read all time series from a binary file that was created with StateMod version 9.53. As shown in the example, debug can be turned on for the log file to evaluate issues with the file format.

```
StartLog(LogFile="commands.TSTool.log")
SetDebugLevel(0,1)
ReadStateModB(InputFile="COLOFB.B43",Version="9.53")
```