
Command Reference: StateModMax()

Compute the maximum of time series in two StateMod files

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A `StateModMax()` command performs the following actions:

1. Read all time series from one StateMod time series file,
2. Read all time series from a second StateMod time series file,
3. Generate a list of time series that contains the maximum values comparing matching time series (using the location identifier). The first list is updated and the second list is discarded.

This command is useful, for example, when creating a demand time series file that is to be the maximum of historical diversions and irrigation water requirement divided by an average efficiency. It is assumed that the specified time series have matching identifiers (the first file is used as the master list) and have consistent units and data intervals. After the time series have been processed, they can be viewed or written out as a new StateMod file (see the `WriteStateMod()` command).

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

Edit StateModMax() Command

Create a list of time series where each time series contains the maximum values for same-identifier time series from two StateMod files. Typically all results are then written with other commands. This command is useful when computing StateMod demands as the maximum of historical diversions and (irrigation water requirement)/efficiency. Specify a full or relative path (relative to working directory). The working directory is: C:\Develop\TSTool_SourceBuild\TSTool\test\regression\UserManualExamples\TestCases\CommandReference\StateModMax

First StateMod file to read:

Second StateMod file to read:

Command:

StateModMax

StateModMax() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
InputFile1	The name of the first StateMod 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.
InputFile2	The name of the second StateMod time series file to read, which must have the same data interval and units as the first file.	None – must be specified.

A sample command file is as follows:

```
StateModMax("rgTW.ddh","rgTWC_prelim.ddm")  
WriteStateMod("rgTW.ddm",*)
```