

Command Reference: ReadMODSIM()

Read time series from a MODSIM output file

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The ReadMODSIM() command reads one or more time series from a MODSIM file. MODSIM is a node/link model used to simulate river basins (see the **MODSIM Input Type Appendix**). Specify a node/link name and data type to read a single time series – if not specified all time series from the file will be read. An alias can be assigned to each time series.

The following dialog is used to edit the command and illustrates the syntax. When a file is selected, the available data types are listed, based on the file extension (the types are not read from the file).

Edit ReadMODSIM() Command

Read 1+ time series from a MODSIM format file.
Specify the node/link name and data type to read one time series or leave blank to read all time series.
The node/link name must be consistent with information in the MODSIM file.
Data types are determined from the file extension but others can be specified.
Specify a full path or relative path (relative to working directory) for a MODSIM file to read.
Specifying the period will limit data that are available for fill commands but can increase performance.
If not specified, the period defaults to the query period.
The working directory is: C:\Develop\TSTool_SourceBuild\TSTool\test\regression\UserManualExamples\TestCases\CommandReference\ReadMODSIM

MODSIM file to read: Data\BIGTOM17.RES Browse

Node/link name to read: BIGTOM Optional - default is to read all.

Data type to read: STOR_TRG Optional - default is to read all.

TSID (full): BIGTOM..STOR_TRG.. Created from node/link name and data type.

Alias to assign: BIGTOM Insert: -- Select Specifier -- Optional - use %L for location, etc. (default=no alias).

Input start: Optional - overrides the global input start.

Input end: Optional - overrides the global input end.

Command:
ReadMODSIM(Alias="BIGTOM", InputFile="Data\BIGTOM17.RES", TSID="BIGTOM..STOR_TRG..")

Add Working Directory Cancel OK

ReadMODSIM

ReadMODSIM() Command Editor

The command syntax is as follows:

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

The following older command syntax is updated to the above syntax when a command file is read:

```
TS Alias = ReadMODSIM(Parameter=Value,...)
```

Command Parameters

Parameter	Description	Default
InputFile	The name of the MODSIM 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	A time series identifier pattern to filter the read – this is constructed in the editor dialog from individual identifier parts – the location and data type are specified and used in the time series identifier.	None – must be specified to match a single time series.
Alias	The alias to assign to the time series, as a literal string or using the special formatting characters listed by the command editor. The alias is a short identifier used by other commands to locate time series for processing, as an alternative to the time series identifier (TSID).	None – must be specified.
InputStart	The start of the period to read data – specify if the period should be different from the global query period.	Use the global query period.
InputEnd	The end of the period to read data – specify if the period should be different from the global query period.	Use the global query period.

A sample command file is as follows:

```
ReadMODSIM(Alias="BIGTOM",
  InputFile="BIGTOM17.RES",TSID="GREELEYCBT..STOR_TRG.." )
```