Command Reference: Time Series Identifier (TSID)

Read a single time series given the time series identifier

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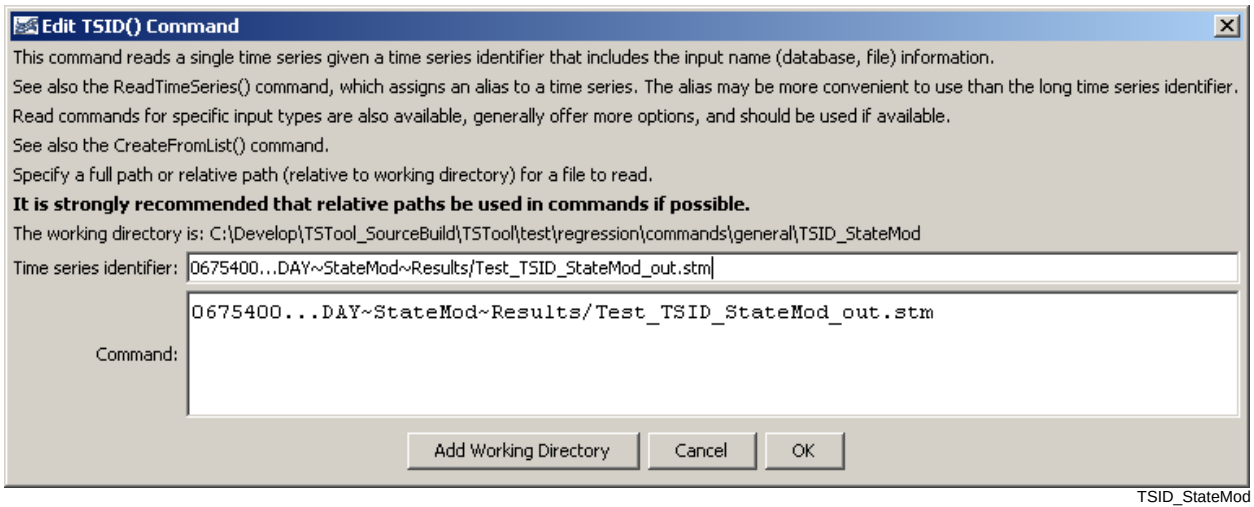
A time series identifier (TSID) command reads a single time series. In order to read the time series from a persistent format (database, file, or web site), the TSID must contain the input type, and if necessary, the input name. For example, a TSID command for the State of Colorado's StateMod model file format is of the form:

```
LocationID…Interval~StateMod~Filename
```

Refer to the **StateMod Input Type** appendix for a full description of the file format. Appendices are available for all input types. A TSID command for a StateMod file is generated as follows:

1. Select the StateMod input type and appropriate time step in the main TSTool window.
2. Press the ***Get Time Series List*** button to list time series. A dialog will prompt for the StateMod file and after selection the first year of data from the file will be read to get a list of identifiers. The interval that is specified (`Month` or `Day`) indicates whether the file is a monthly or daily format. The time series will be listed in the time series list in TSTool.
3. Select one or more time series from the list and copy to commands.

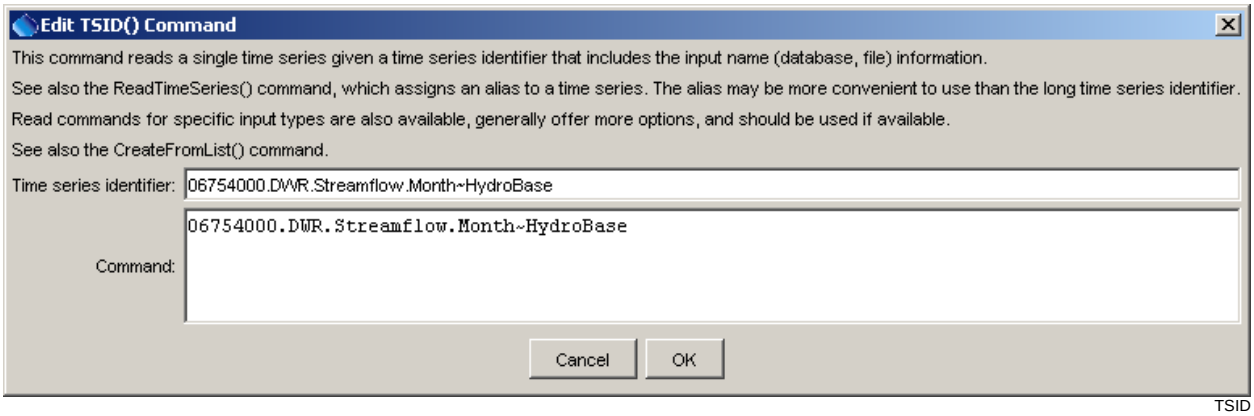
The following dialog is used to edit the command and illustrates the syntax of the command. Limited checks are done while editing the command. However, once committed, TSTool will attempt to read the time series metadata and will issue a warning if unable to read the data. Time series identifiers that include filenames should typically be adjusted to a relative path to allow the files to be moved to another location and run without errors. Use the ***Remove Working Directory*** button to remove the working directory (or ***Add Working Directory***) to add it.



TSID_StateMod

TSID Command Editor for a Time Series Read From a StateMod File

The following example is for a TSID for the State of Colorado's HydroBase database. In this case there is no filename in the identifier and therefore no need to adjust to a relative path.



TSID

TSID Command Editor for a Time Series Read From the HydroBase Database

After executing the command, the time series will have the identifier as originally requested, with no alias being assigned. Use the `TS Alias = ReadTimeSeries()` command to assign an alias to the time series, or use one of the specific read commands.

A sample command file to read time series from a StateMod file is as follows. In this case the absolute paths have been adjusted to relative paths using the command editor dialog. Note also that the data source and data type are not required because this information is not stored in the StateMod file.

```
09303000...MONTH~StateMod~whiteT.rih
09303400...MONTH~StateMod~whiteT.rih
```

A sample command file to read time series from the State of Colorado's HydroBase database is as follows:

```
# 06754000 - SOUTH PLATTE RIVER NEAR KERSEY
06754000.DWR.Streamflow.Month~HydroBase
# 06758500 - SOUTH PLATTE RIVER NEAR WELDONA
06758500.DWR.Streamflow.Month~HydroBase
```