Command Reference: WriteTimeSeriesPropertiesToFile()
## Write one or more time series properties to a file
Version 11.02.00, 2015-05-16

The `WriteTimeSeriesPropertiesToFile()` command writes the value of time series properties to a file. This command should not be confused with the `WritePropertiesToFile()` command, which writes processor properties. This command is useful for testing whether properties are being set. It can also be used to pass information from TSTool to another program. A number of property formats are supported as listed in the following table.

Property File Formats

Format	Description

NameValue	Simple format, all properties handled as text:
	`    PropertyName=PropertyValue`
	`    PropertyName="Property value, quoted if necessary"`

NameTypeValue	Same as `NameValue` format, with non-primitive objects treated as simple constructors:
	`    PropertyName=PropertyValue`
	`    DateTimeProperty=DateTime("2010-10-01 12:30")`

NameTypeValue Python	Similar to the `NameTypeValue` format, however, objects are represented using "Pythonic" notation, to allow the file to be used directly by Python scripts:
	`    PropertyName="PropertyValue"`
	`    DateTimeProperty=DateTime(2010,10,1,12,30)`

The following dialog is used to edit this command and illustrates the syntax of the command.
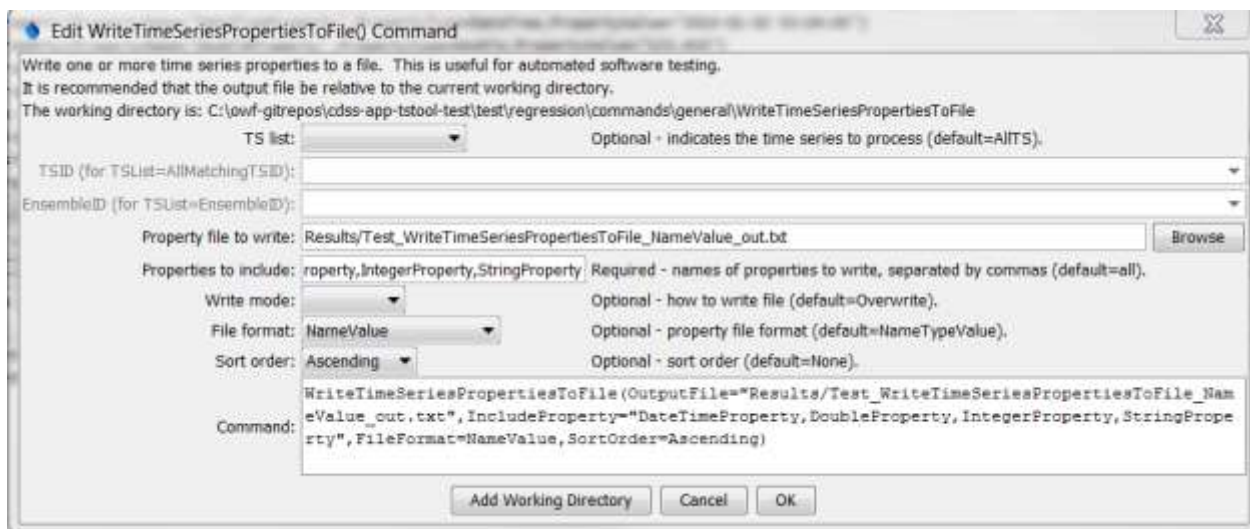
WriteTimeSeriesPropertiesToFile

WriteTimeSeriesPropertiesToFile() Command Editor

The command syntax is as follows:

```
WriteTimeSeriesPropertiesToFile(Parameter=Value,…)
```

Command Parameters

Parameter	Description	Default
TSList	Indicates the list of time series to be processed, one of: • `AllMatchingTSID` – all time series that match the `TSID` (single TSID or TSID with wildcards) will be modified. • `AllTS` – all time series before the command. • `EnsembleID` – all time series in the ensemble will be modified. • `FirstMatchingTSID` – the first time series that matches the `TSID` (single TSID or TSID with wildcards) will be modified. • `LastMatchingTSID` – the last time series that matches the `TSID` (single TSID or TSID with wildcards) will be modified. • `SelectedTS` – the time series are those selected with the `SelectTimeSeries()` command.	`AllTS`
TSID	The time series identifier or alias for the time series to process, using the `*` wildcard character to match multiple time series.	Required when `TSList=*TSID`
EnsembleID	The ensemble to be processed, if processing an ensemble.	Required when `TSList=EnsembleID`.
OutputFile	The property file to write, as an absolute path or relative to the command file.	None – must be specified.
Include Properties	The names of time series properties to write, separated by commas. The `*` wildcard can be used to indicate multiple properties. Currently only user-defined properties are written.	If not specified, all time series properties will be written.
WriteMode	Indicates how the file should be written: • `Append` – append the time series properties to the file without checking for matches (create the file if it does not exist) • `Overwrite` – overwrite the properties file • `Update` – update the properties in the file by first checking for matching property names (which will be updated) and then appending unmatched properties (**not yet implemented**)	`Overwrite`
FileFormat	Format of the properties file (see descriptions in the above **Property File Formats** table): • `NameValue` • `NameTypeValue` • `NameTypeValuePython`	`NameValue`
SortOrder	The order to sort properties: • `Ascending` • `Descending` • `None`	`None` – order depends on order in processor.