Command Reference: WriteDelimitedFile()

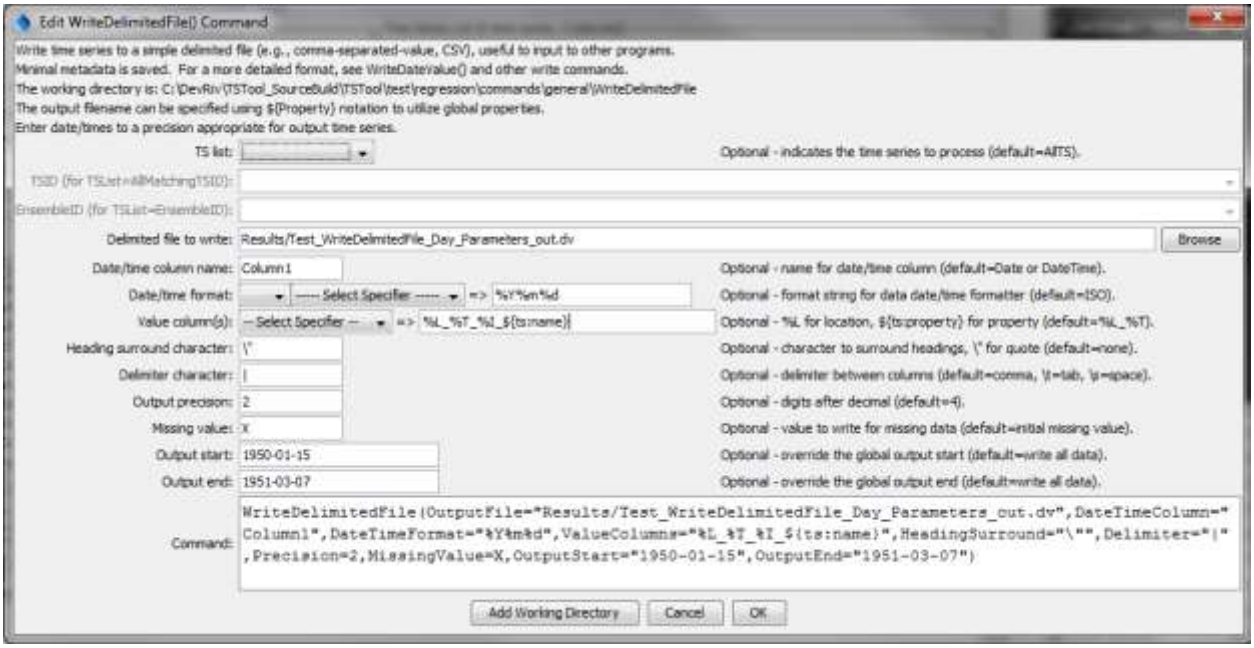
Write time series to a delimited file

Version 11.03.00, 2015-05-31

The `WriteDelimitedFile()` command writes time series to the specified delimited file, for example a comma-separated-value (CSV) file. The following constraints apply to this command:

- The time series being written must have the same data interval – use the `TSList` parameter to select appropriate time series.
- Currently irregular time series cannot be written (this limitation will be removed in a later version).
- The first row in the file contains column headings, which often are used by other software to identify the column:
  - By default, no character will be used to surround headings.
  - The `HeadingSurround` parameter can be used to specify a character to surround each heading.
  - If `HeadingSurround` matches a character in a column heading, the character will be removed from the column heading.
- Precision for data values and missing value for output can be specified.

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



WriteDelimitedFile

WriteDelimitedFile() Command Editor

The command syntax is as follows:

```
WriteDelimitedFile(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 processed. • AllTS – all time series before the command. • EnsembleID – all time series in the ensemble will be processed. • FirstMatchingTSID – the first time series that matches the TSID (single TSID or TSID with wildcards) will be processed. • LastMatchingTSID – the last time series that matches the TSID (single TSID or TSID with wildcards) will be processed. • SelectedTS – the time series are those selected with the SelectTimeSeries() command.	AllTS
TSID	The time series identifier or alias for the time series to be processed, using the * wildcard character to match multiple time series. Can be specified using processor ${Property}.	Required if TSList=*TSID.
EnsembleID	The ensemble to be processed, if processing an ensemble. Can be specified using processor ${Property}.	Required if TSList= EnsembleID.
OutputFile	The delimited output file. The path to the file can be absolute or relative to the working directory (command file location). Global properties can be used to specify the filename, using the ${Property} syntax.	None – must be specified.
DateTime Column	The name of the column for the date/time.	Date if day, month, or year interval, DateTime otherwise.
DateTime FormatterType	Specify the date/time formatter type, which indicates the syntax for DateTimeFormat. Currently, only C is supported, corresponding to the C programming language strftime() function, which is also used by other software (see Linux date command).	C
DateTime Format	The format used to expand the date/time corresponding to each time series data value. The format string can contain literal strings and specifiers supported by the DateTimeFormatterType.	
ValueColumns	The name(s) of the column(s) corresponding to each time series, to use for the values. Specify with % formatters, ${ts:property} and ${property}. In the future	%L_%T

Parameter	Description	Default
	a parameter may be added to more specifically define the column names. If the column name contains the `HeadingSurround` character, occurrences of the character will be removed.	
`Heading Surround`	Character that is used to surround column headings. Specify a double quote using `\"`.	No surrounding character.
`Delimiter`	The delimiter character to use between data values. Specify `\t` for tab and `\s` for space.	Space.
`Precision`	The number of digits after the decimal for numerical output.	`4` (in the future may default based on data type)
`MissingValue`	The value to write to the file to indicate a missing value in the time series. This will override the value initialized when the time series is read or created (typically `-999`, `NaN` or another value). Specify `Blank` to output a blank.	Time series missing value.
`OutputStart`	The date/time for the start of the output. Can be specified using processor `${Property}`.	Use the global output period.
`OutputEnd`	The date/time for the end of the output. Can be specified using processor `${Property}`.	Use the global output period.

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