

Command Reference: WriteTimeSeriesToKml()

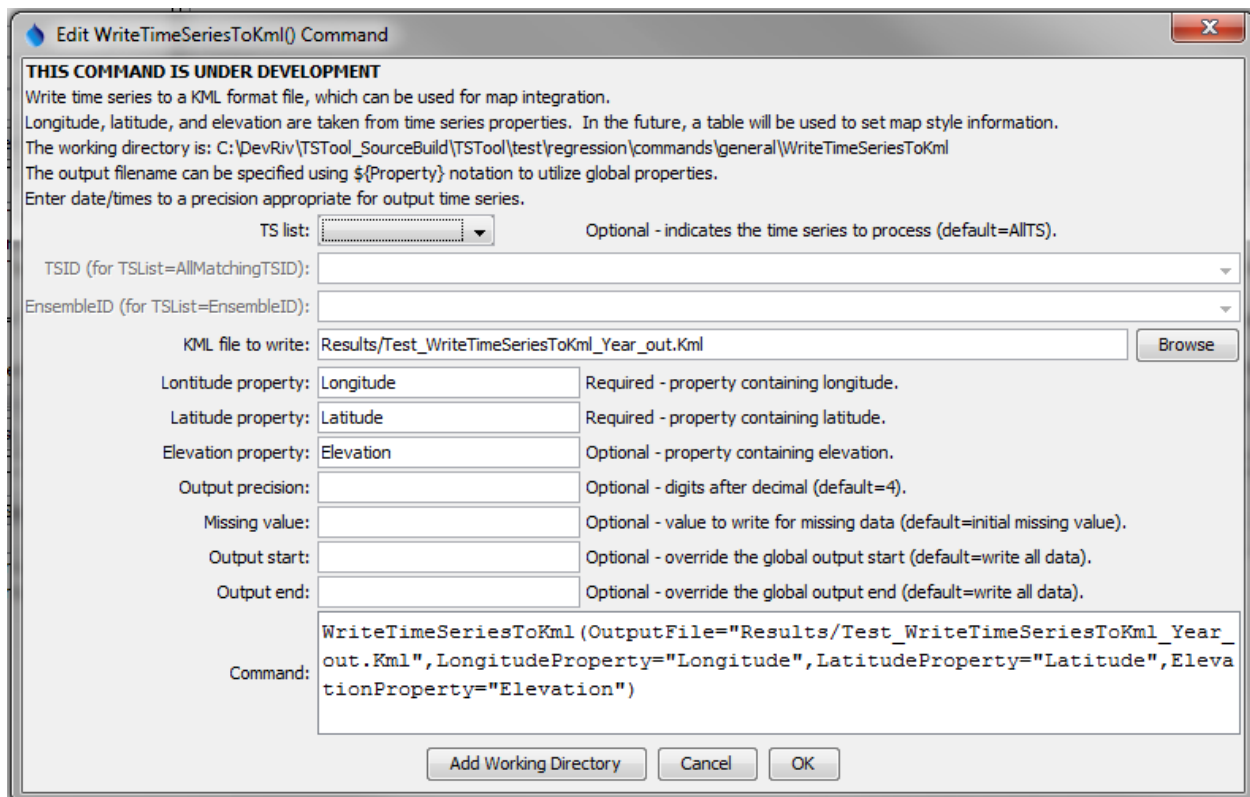
Write time series to a KML format file

Version 10.21.00, 2013-07-01

This command is under development. Additional capabilities will be implemented as resources allow and requirements are identified. The `WriteTimeSeriesToKml()` command writes time series to a file using KML (Keyhole Markup Language) format (see: <https://developers.google.com/kml/documentation>). The file can be used with Google Earth, Google Maps, and other spatial viewing tools. This command currently provides very basic capabilities to visualize the locations where time series data are collected, in particular for point data. In the future the command will be updated to have additional features, including:

- Providing the option to output the time series using the timestamp and timespan KML features.
- Providing the option to specify style information with a table, for example using the data type to indicate the symbol and icon.
- Providing additional time series properties for visualization.

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



WriteTimeSeriesToKml

WriteTimeSeriesToKml() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
TSList	Indicates the list of time series to be processed, one of: <ul style="list-style-type: none"> 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 <code>SelectTimeSeries()</code> 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.	Required if TSList=*TSID.
EnsembleID	The ensemble to be processed, if processing an ensemble.	Required if TSList=EnsembleID.
OutputFile	The KML 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 <code>\${Property}</code> syntax.	None – must be specified.
Longitude Property	The name of the time series property containing the longitude to use for the KML.	Required.
Latitude Property	The name of the time series property containing the latitude to use for the KML.	Required.
Elevation Property	The name of the time series property containing the elevation to use for the KML.	0
Precision	The number of digits after the decimal for numerical output. Not currently enabled.	4 (in the future may default based on data type)
Missing Value	The value to write to the file to indicate a missing value in the time series, must be a number or NaN. Not currently enabled.	As initialized when reading the time series or creating a new time series, typically -999, NaN, or another value that is not expected in data.
OutputStart	The date/time for the start of the output, used with KML timestamp. Not currently enabled.	Use the global output period.
OutputEnd	The date/time for the end of the output, used with KML timestamp. Not currently enabled.	Use the global output period.