Command Reference: WriteTimeSeriesToGeoJSON()

Write time series to a GeoJSON format file

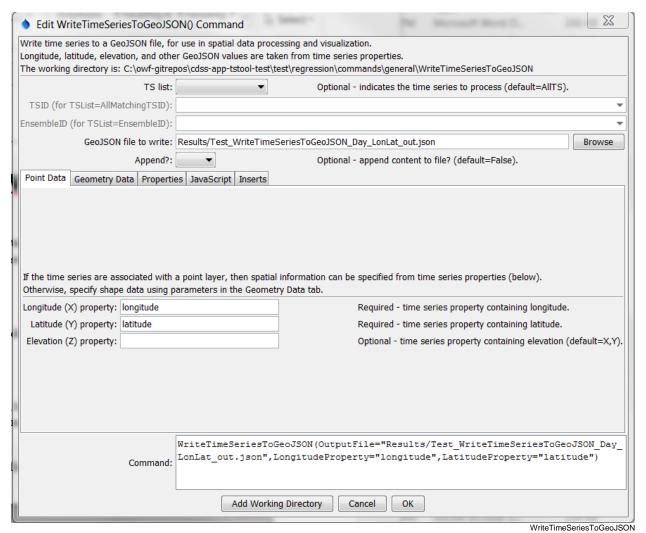
/ersion 11.08.01, 2016-02-14

The WriteTimeSeriesToGeoJSON() command writes time series to a GeoJSON file, which is a spatial data format that can be viewed in geographic information system (GIS) software and other visualization tools. See: http://geojson.org/geojson-spec.html

The time series must have properties for longitude and latitude or Well Known Text (WKT) geometry string. See: http://en.wikipedia.org/wiki/Well-known_text

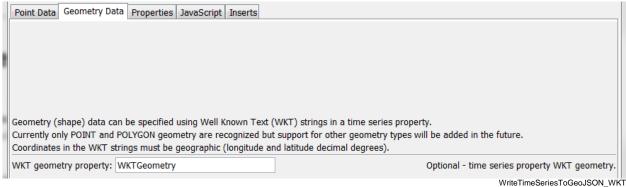
Currently only point and polygon data can be processed but in the future support for well-known text for other geometry types will be added. A future enhancement of this command will allow the geometry feature data to be read from other spatial formats.

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



WriteTimeSeriesToGeoJSON() Command Editor for Point Data Parameters

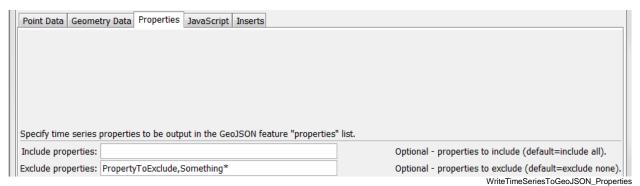
The following figure illustrates the command syntax for layers specified with a WKT geometry property.



Wille Time Series To Geous Cin_WKT

WriteTimeSeriesToGeoJSON() Command Editor for WKT Geometry Data Parameters

The following figure illustrates the command syntax for specifying time series properties to include as properties in the GeoJSON output.



WriteTimeSeriesToGeoJSON() Command Editor for Property Parameters

The following figure illustrates the command syntax for specifying the JavaScript variable for the output.

```
Point Data | Geometry Data | Properties | JavaScript | Inserts
The default is to output GeoJSon in a format similar to the following:
  "type": "FeatureCollection",
  "features": [
       "type": "Feature",
       "properties": {
       "geometry": {
          "type": "Point",
          "coordinates": [-105.89194, 38.99333]
    }, { repeat for each feature },...
  1
The entire output will correspond to one JavaScript object.
However, if a JavaScript variable is specified, the object will be assigned to a JavaScript variable. This allows direct use of the file in a website
JavaScript variable: precipStations
                                                                            Optional - JavaScript variable for GeoJSON object (default=none).
                                                                                                       WriteTimeSeriesToGeoJSON_JavaScriptVar
```

WriteTimeSeriesToGeoJSON() Command Editor for JavaScript Parameters

The following figure illustrates the command syntax for specifying inserts around the GeoJSON content.

Point Data Geometry Data Properties JavaScript Inserts		
Specify text to insert before and after the GeoJSON. For example, use the following to initialize the object in an array:		
prepend: var stationData = []; stationData['Org1'] = append: ;		
Prepend text: var stationData = []; stationData['Orq1'] =	Optional - text to prepend before GeoJSON object (default=none).	
Append text: ;	Optional - text to append after GeoJSON object (default=none).	
, , , , , , , , , , , , , , , , , , , ,	Space (delidate intro)	
	WriteTimeSeriesToGeoJSON_Inserts	

WriteTimeSeriesToGeoJSON() Command Editor for Text Insert Parameters

The command syntax is as follows:

WriteTimeSeriesToGeoJSON(Parameter=Value,...)

Command Parameters

Parameter	Description	Default
TSList	Indicates the list of time series to be processed, one of:	AllTS
	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.	
TSID	The time series identifier or alias for the time series	Required if
	to be processed, using the * wildcard character to	TSList=*TSID.
	match multiple time series. Can be specified using	
	\${Property}.	
EnsembleID	The ensemble to be processed, if processing an	Required if TSList=
	ensemble. Can be specified using \${Property}.	EnsembleID.
OutputFile	The GeoJSON output file. The path to the file can be absolute or relative to the working directory (command file location). Global properties can be	None – must be specified.

Parameter	Description	Default
	used to specify the filename, using the	
	\${Property} syntax.	
Append	Indicate whether to append the GeoJSON content to	False
	the output file, True or False.	
Longitude	The name of the time series property containing the	Required unless WKT
Property	longitude to use for the GeoJSON. Can be specified	geometry is specified.
	using \${Property}.	
Latitude	The name of the time series property containing the	Required unless WKT
Property	latitude to use for the GeoJSON. Can be specified	geometry is specified.
	using \${Property}.	
Elevation	The name of the time series property containing the	Omitted
Property	elevation to use for the GeoJSON. Can be specified	
	<pre>using \${Property}.</pre>	
WKTGeometry	The name of the time series property that contains	Will use point data
Property	Well Known Text (WKT) geometry strings. Can be	properties
	specified using \${Property}.	
IncludeColumns	List of comma-separated time series property names	Include all columns.
	to include as feature properties, using * for wildcard.	
	Can be specified using \${Property}.	
ExcludeColumns	List of comma-separated time series property names	Exclude no columns.
	to exclude as feature properties. Can be specified	
	using \${Property}.	
JavaScriptVar	Name of JavaScript variable to assign object to in	Output GeoJSON object
	output. This parameter will be ignored if	surrounded by { }.
	PrependText or AppendText are specified.	
	Can be specified using \${Property}.	
PrependText	Provide text to insert before the GeoJSON object, for	No insert.
	example to provide custom JavaScript. Can be	
	specified using \${Property} notation.	
AppendText	Provide text to append after the GeoJSON object, for	No insert.
	example to provide custom JavaScript. Can be	
	specified using \${Property} notation.	