## Command Reference: WriteTableToGeoJSON()

Write a table to a GeoJSON file

/ersion 11.08.00, 2016-01-17

The WriteTableToGeoJSON () command writes a table 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:

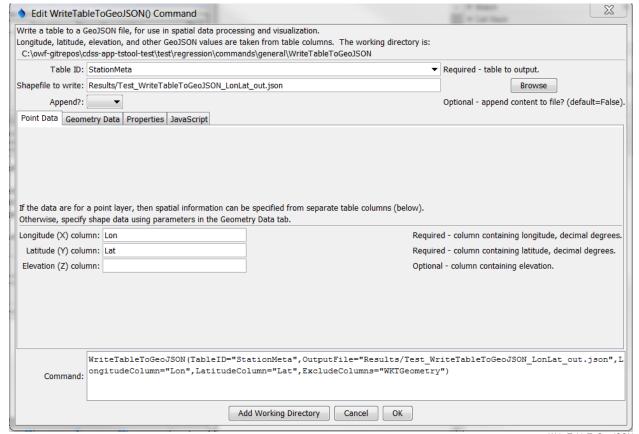
http://geojson.org/geojson-spec.html

The table must include columns for longitude and latitude or a column containing Well Known Text (WKT) geometry strings. 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 command syntax for point data in separate columns.



WriteTableToGeoJSON

WriteTableToGeoJSON() Command Editor for Point Data Parameters

The following figure illustrates the command syntax for layers specified with a geometry data column.

```
Point Data Geometry Data Properties JavaScript

Geometry (shape) data can be specified using Well Known Text (WKT) strings in a table column.
Currently only POINT and POLYGON geometry are recognized but support for other geometry types will be added in the future.
Coordinates in the WKT strings must be geographic (longitude and latitude decimal degrees).

WKT geometry column:

Required for geometry data - column containing WKT strings.

WriteTableToGeoJSON_WKTGeometry
```

WriteTableToGeoJSON() Command Editor for Geometry Data Parameters

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



WriteTableToGeoJSON() Command Editor for Property Parameters

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

```
Point Data Geometry Data Properties JavaScript
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:
                                                                                         Optional - JavaScript variable for GeoJSON object (default=none).
                                                                                                                        WriteTableToGeoJSON JavaScript
```

WriteTableToGeoJSON() Command Editor for JavaScript Parameters

## The command syntax is as follows:

WriteTableToGeoJSON(Parameter=Value,...)

## **Command Parameters**

Parameter	Description	Default
TableID	Identifier for the table to write. Can be specified using	None – must be
	\${Property} notation.	specified.
OutputFile	The name of the GeoJSON file to write, as an absolute	None – must be
	path or relative to the command file location. Can be	specified.
	specified using \${Property} notation.	
Append	Indicate whether to append the GeoJSON content to the	False
	output file, True or False.	
Longitude	The name of the table column that contains longitude.	None – must be
Column		specified.
Latitude	The name of the table column that contains latitude.	None – must be
Column		specified.
Elevation	The name of the table column that contains elevation.	Elevation is
Column		omitted.
WKTGeometry	The name of the table column that contains Well Known	
Column	Text (WKT) geometry strings.	
IncludeColumns	List of column-separated table column names to include	Include all
	as feature properties.	columns.
ExcludeColumns	List of column-separated table column names to exclude	Exclude no
	as feature properties.	columns.
JavaScriptVar	Name of JavaScript variable to assign object to in	Ouput GeoJSON
	output.	object surrounded
		by { }.

The following example illustrates a CSV table that specifies WKT for points (see WKTGeometry column):

```
"ID","ID_text","Lon","Lat","Name","WKTGeometry"
50263,050263,-105.891940,38.993330,ANTERO RSVR,"POINT (-105.891940 38.993330)"
50454,050454,-105.476670,39.404720,BAILEY,"POINT (-105.476670 39.404720)"
50848,050848,-105.266670,39.991940,BOULDER,"POINT (-105.266670 39.991940)"
```

The following example illustrates a CSV table that specifies WKT for polygons:

```
"ID", "ID_text", "Lon", "Lat", "Name", "WKTGeometry" 50263,050263,-105.891940,38.993330,ANTERO RSVR, "POLYGON (-105.891940 38.993330,-106 39,-106 37.5)" 50454,050454,-105.476670,39.404720,BAILEY, "POLYGON (-105.476670 39.404720, -104 39, -103 37.5)"
```

WriteTableToGeoJSON()	Command
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TSTool Documentation

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