

Command Reference: WriteTableToKml()

Write a table to a KML file

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The `WriteTableToDelimitedFile()` command writes a table to a Keyhole Markup Language (KML) file (see: https://developers.google.com/kml/documentation/kml_tut). The table must include columns for longitude and latitude. Currently only point data can be processed but in the future support for well-known text representations of shapes may be added.

The following dialog is used to edit the command and illustrates the command syntax for general parameters.

Edit WriteTableToKml() Command

Write a table to a KML format file, which can be used for map integration. Longitude, latitude, elevation, and other attributes are taken from table columns. The working directory is: C:\DevRiv\TSTool_SourceBuild\TSTool\test\regression\commands\general\WriteTableToKml The output filename can be specified using \${Property} notation to utilize global properties.

Table ID: Required - table to output.

KML file to write:

General **Marker Styles**

Name: Optional - layer name (default=table ID).

Description: Optional - layer description (default=none).

Placemark name column: Optional - short name for map marker.

Placemark description column: Optional - longer description for map popup.

Longitude column: Required - column containing longitude, decimal degrees.

Latitude column: Required - column containing latitude, decimal degrees.

Elevation column: Optional - column containing elevation.

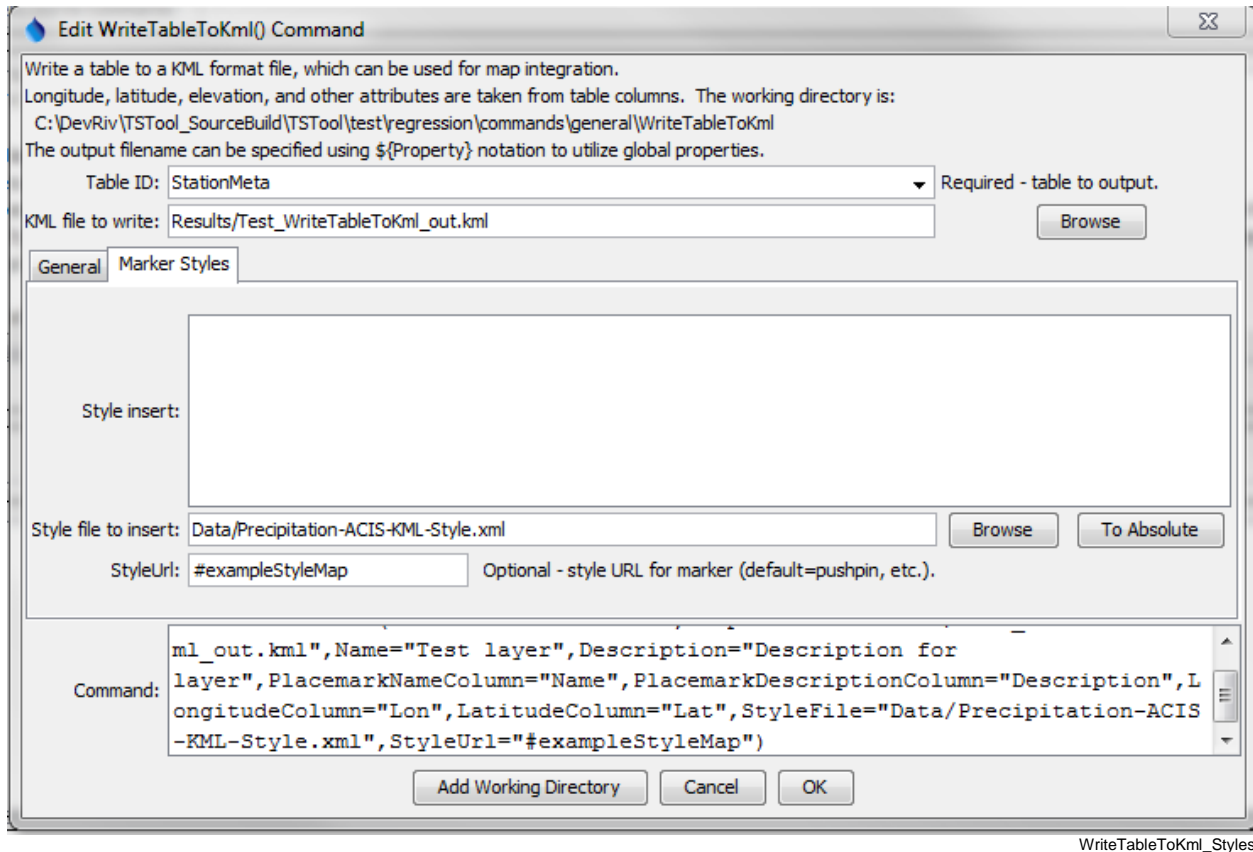
Command:

```
ml_out.kml",Name="Test layer",Description="Description for layer",PlacemarkNameColumn="Name",PlacemarkDescriptionColumn="Description",LongitudeColumn="Lon",LatitudeColumn="Lat",StyleFile="Data/Precipitation-ACIS-KML-Style.xml",StyleUrl="#exampleStyleMap")
```

WriteTableToKml

WriteTableToKml() Command Editor for General Parameters

The following figure illustrates the command syntax for marker style parameters.



WriteTableToKml() Command Editor for Marker Style Parameters

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
TableID	Identifier for the table to write.	None – must be specified.
OutputFile	The name of the KML file to write, as an absolute path or relative to the command file location.	None – must be specified.
Name	The name of the layer, corresponding to the <name> KML element.	Table ID.
Description	The description for the layer, corresponding to the <description> KML element. The text can contain HTML markup.	Blank
Placemark NameColumn	The name of the table column that contains placemark names, corresponding to the KML <Placemark><name> element.	Blank
Placemark Description	The name of the table column that contains placemark descriptions, corresponding to the KML	Blank

Parameter	Description	Default
Column	<Placemark><description> element. The description text in the table can contain HTML markup.	
Longitude Column	The name of the table column that contains longitude, corresponding to the KML <Point><coordinates> element.	None – must be specified.
Latitude Column	The name of the table column that contains latitude, corresponding to the KML <Point><coordinates> element.	None – must be specified.
Elevation Column	The name of the table column that contains elevation, corresponding to the KML <Point><coordinates> element.	Elevation of 0 is assumed.
StyleInsert	Text containing <Style> and <StyleMap> element text, which will be inserted in the KML file.	No styles.
StyleFile	Similar to StyleInsert; however, the style information to be inserted is read from the specified file.	
StyleUrl	Specifies the <StyleMap> element to use for each placemark in the layer. For example, specify as #myStyleMap to match a style map included in the KML file with the StyleInsert or StyleFile parameter.	Default KML style.

The following is an example of a style insert file (refer to KML reference documentation for explanation):

```
<Style id="highlightPlacemark">
  <IconStyle>
    <Icon>
      <href>http://maps.google.com/mapfiles/kml/paddle/red-stars.png</href>
    </Icon>
  </IconStyle>
</Style>
<Style id="normalPlacemark">
  <IconStyle>
    <Icon>
      <href>http://maps.google.com/mapfiles/kml/paddle/wht-blank.png</href>
    </Icon>
  </IconStyle>
</Style>
<StyleMap id="exampleStyleMap">
  <Pair>
    <key>normal</key>
    <styleUrl>#normalPlacemark</styleUrl>
  </Pair>
  <Pair>
    <key>highlight</key>
    <styleUrl>#highlightPlacemark</styleUrl>
  </Pair>
</StyleMap>
```

The following is an example of the resulting KML file:

```
<?xml version="1.0" encoding="UTF-8"?>
<kml xmlns="http://www.opengis.net/kml/2.2">
  <Document>
    <name>Test layer</name>
    <description>Description for layer</description>
    <Style> ... Omitted ... see example above
  </Style>
    <StyleMap> ... Omitted ... see example above
  </StyleMap>
    <Placemark>
      <name>ANTERO RSVR</name>
      <description>Description:  ANTERO RSVR</description>
      <styleUrl>#exampleStyleMap</styleUrl>
      <Point>
        <coordinates>-105.89194,38.99333,0</coordinates>
      </Point>
    </Placemark>
    <Placemark>
      <name>BAILEY</name>
      <description>Description:  BAILEY</description>
      <styleUrl>#exampleStyleMap</styleUrl>
      <Point>
        <coordinates>-105.47667,39.40472,0</coordinates>
      </Point>
    </Placemark>
  </Document>
</kml>
```