

Tool Scripts

DID YOU KNOW . . . that SML Tool Scripts create graphic tools that interact with geodata in a View window?

What Tool Scripts Give You

- Execute script from an icon button on any View window toolbar
- Provide standard drawing tools to interact with geodata in the View window
- Use templates with skeletal function definitions and expand as needed
- Operate on objects in the View or objects covering the same geographic area
- Pass selected data to external programs

RASTER PROFILE

sample Tool Script:
draw line and get
vertical profile plot of
raster.

The image shows a composite of several windows from the SML software. At the top center is the 'Customize Tool Scripts' dialog box, which lists several scripts: 'Select Point', 'View Marks', 'Area Statistics', and 'Raster Profile', each with a file path. Below this, on the left, is a 'Raster profile' window showing a topographic map with a red line drawn across it and a corresponding profile graph below. The graph has a y-axis from 558 to 2460 and an x-axis from 190,364 to 381,345. In the center is the 'Tool Script Properties' dialog box, which has a 'Name' field containing 'Raster Profile' and buttons for 'OK', 'Cancel', 'Edit...', and 'Help'. On the right is a 'Region Statistics' window showing statistics for a selected polygon on a map. The statistics include: Raster: DiablenMos, Cells: 449, Null Cells: 0, Minimum: 37,00, Maximum: 44,00, Mean: 40,31, Standard Deviation: 1,60, Area: 366935,60, Perimeter: 3090,92, Centroid: 610192,79, 4201609,40, Surface Area: 404247,12. It also has fields for 'Distance Units' (meters) and 'Area Units' (square meters), and buttons for 'Save As...' and 'Close'.

AREA STATISTICS

sample Tool Script:
draw polygon and
get raster statistics
for area.

How Tool Scripts Works

- Choose Options / Scripts / Tool Scripts from any View window.
- Press the Add icon button and select a script.
- Or to create a new script, press the New icon button to open the Query Editor window with the Tool Script template.
- Remove the comment characters (#) in the template to activate functions.
- Add your own function code to define the actions for the tool.
- The script icon button appears on the toolbar of all your TNT View windows.

WANT TO KNOW MORE?

See the tutorial booklet entitled:

Writing Scripts with SML

