Subject: Re: Subset point data using shape file
Posted by David Fanning on Mon, 01 Jul 2013 13:13:30 GMT

Justin Beckers writes:

> Accessing the polygons vertices and bounds has been relatively straightforward, I am just unsure of how to proceed to subset the data using this information. I did subset the tracks using the latitude range of the bounding box, but this still leaves me with points that are outside my shapefile (e.g. for tracks that cut diagonally across near the top left of the bounding box/shape)

You can find an article, with a couple of functions, for finding whether a point is inside a polygon here:

  http://www.idlcoyote.com/tips/point_in_polygon.html

Ronn Kling also has an algorithm that I hear is very good:

  http://www.rlkling.com/cool-stuff.htm

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")