

(From the SIPSMetGen V2.0.1 User's Guide)

B-1 Sample Spatial Files:

For all spatial files, Longitude should be specified from -180 to 180 degrees and Latitude should be specified from -90 to 90 degrees.

B1.1 For G-Polygon from point cloud

The file should contain a longitude / latitude point pair separated by white space for each data collection site in your data file.

-18.548064	-86.001120
-18.546499	-86.001120
-18.544934	-86.001120
-18.543370	-86.001120
-18.541805	-86.001120
-18.540240	-86.001120
-18.538676	-86.001120
-18.537111	-86.001120
-18.535547	-86.001120
-18.533982	-86.001120
-18.532418	-86.001120
-18.530856	-86.001120
-18.529291	-86.001120
-18.527727	-86.001120
-18.526162	-86.001120
-18.524598	-86.001120
-18.523033	-86.001120
-18.521469	-86.001120
-18.519904	-86.001120
-18.518340	-86.001120
-18.516775	-86.001120
-18.515211	-86.001120
-18.513646	-86.001120
-18.512082	-86.001120
-18.510517	-86.001120
-18.508953	-86.001120
-18.507388	-86.001120
-18.505824	-86.001120
-18.504259	-86.001120
-18.502695	-86.001120

B1.2 For Specific Bounding Rectangle

The file must contain 2 Longitude/Latitude pairs. On the first row of the file, the North–West most corner of the bounding rectangle should be specified and on the second row the South-East most corner.

Bounding Rectangle Example 1: This will specify a bounding rectangle from -10 degrees (West) longitude and 10 degrees North to -5 degrees (West) longitude to 5.00 degrees north.

```
-10.00 10.00  
-5.00 5.00
```

Bounding Rectangle Example 2: This will specify a bounding rectangle which is a band from 5 to 10 degrees North, which nearly circles the Earth, from -10 degrees to -5 degrees West.

```
-5.00 10.00  
-10.00 5.00
```

Notice the behavior: Since the North West corner is specified first in a bounding rectangle that specifying a point further West on the second row has the effect of the bounding rectangle closing the area to the East of it until it wraps around the Earth until it reaches the second point which is further West.