

Footprint shapefile

The best method of combining results from ScanSAR and FBD images involves working on only the region of the (much larger) ScanSAR image that the FBD footprint covers. To do this needs a footprint shape file of the FBD image. Note that shape files have a .shp extension in ArcGIS but a .evf (Envi vector format) in ENVI.

In Envi open an image.

Use bandmath to get the reciprocal $1/b1$, and open that image.

Use masking to make a footprint mask choosing "mask finite vaues"

Use raster to vector to get the footprint .evf file with DN = 1.