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hello ,this was a question troubling me 3 years ago. Through MOSAIC_DOIT can be used to mosaic the images based on the Envi platform,but you should provide goe_information as mentioned above. So the Goe_information is the key question. how to get the goe_information, Envi doesn't provide.You can use the follow code , which is imbedded in Noaa image processing system programed by me .

```
pro map mosaic1,fileName1,fileName2,out Name,dir
```

```
cd,dir
```

```
envi_open_data_file, fileName1,r_fid=fid1,/,NO_REALIZE
if (fid1 eq -1) then begin
envi_batch_exit
return
end
```

```
envi_open_data_file, fileName2,r_fid=fid2,/,NO_REALIZE
if (fid2 eq -1) then begin
envi_batch_exit
return
end
```

```
fids = [fid1,fid2]
```

```
out_ps = [1100,1100];RS
print , 'selecting file over !!'
```

```
;////////use georef_mosaic_setup to get the information of the files
georef_mosaic_setup, fids=fids, out_ps=out_ps, dims=dims, xsize=xsize,
ysize=ysize,$
      x0=x0, y0=y0, map_info=map_info
```

```
;/////set the necessary parameter
use_see_through = [[1L],[1]]
see_through_val = [[0L],[0]]
pos = [[0,1,2,3,4],[0,1,2,3,4]]
print,xsize,ysize
```

```
print , 'To select the output file !!'
;////////Select the output file
;////////do mosaic
envi_doit, 'mosaic_doit', fid=fids, pos=pos, dims=dims,
out_name=out_Name, $
r_fid=out_fid1, xsize=xsize, ysize=ysize, x0=x0, y0=y0, georef=1,
map_info=map_info, $
out_dt=4, pixel_size=out_ps, background=0,
see_through_val=see_through_val, $
use_see_through=use_see_through
envi_file_mng, id=fid1, /remove
envi_file_mng, id=fid2, /remove
envi_file_mng, id=out_fid1, /remove
```

end
