
Subject: Normalize image after running FLAASH
Posted by [phamlien24](#) on Mon, 14 Jul 2014 03:42:05 GMT
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pro correct_reflec

```
fname='D:\Quick\BAoct25_p004_R2C3_rad.dat'
envi_open_file, fname, r_fid=fid, NO_REALIZE=1
ENVI_FILE_QUERY, fid, DIMS=dims, NS=ns, NL=nl, NB=nb, pos=pos
Hi,
```

I had a Quickbird image and after running the FLAASH, I would like to normalize the image as following: if the pixel > 0 or = 10000, multiply it by 1; if pixel < 0 or = 0 multiple it by 0; if pixel > 0 and < 10000 multiple it by its float value and divide the result by 10 000.

I wrote the IDL code as following, but my conditional statement is error. Could you please help me to fix the conditional statement.

Thanks so much for your help.

Lien

My IDL code:

```
"map_info=envi_get_map_info(fid=fid)
b1 = ENVI_GET_DATA(FID=fid, dims=dims, pos=1)
ns=n_elements(b1[*,0])
nl=n_elements(b1[0,*])
br=fltarr(ns,3,nl)
```

CASE 1 of

```
b1 le 0: br(*,0,*) = (b1)*0
b1 ge 10000: br(*,0,*)= (b1)* 1
else: br(*,0,*)= b1*float(b1)/(10000)
ENDCASE
```

```
b2 = ENVI_GET_DATA(FID=fid, dims=dims, pos=1)
```

CASE 1 of

```
b2 le 0: br(*,1,*) = b2*0
b2 ge 10000: br(*,1,*)=b2*1
else: br(*,1,*)=b2*float(b2)/10000
ENDCASE
```

```
b3 = ENVI_GET_DATA(FID=fid, dims=dims, pos=2)
```

CASE 1 of

```
b3 le 0: br(*,2,*) = b3*0
b3 ge 10000: br(*,2,*)=b3*1
else br(*,2,*)=b3*float(b3)/10000
```

ENDCASE

```
envi_write_envi_file, br, map_info=map_info, out_name='D:\Quick\test', r_fid=fid  
END
```
