
Subject: Re: Calculate the mean of many images
Posted by [Wasit.Weather](#) on Mon, 17 Nov 2008 00:35:10 GMT
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On Nov 16, 3:04 pm, David Fanning <n...@dfanning.com> wrote:
> Bulrush writes:
>> Thank you. I just run the code, but it always reporting syntax error
>> for sum(wh) +=3D img(wh), for the brackets.
>
> I think that is a hold-over from Craig's days as the King
> of IDL 4.0. ;-)
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Seems like I got lost between the codes. the mean I got with avg[wh]
is all zero. Here is my code. Thanks for your help.

```
FOR K = 0, images-1 DO BEGIN
  ENVI_OPEN_FILE, files[K], r_fid=files_fid
  ENVI_FILE_QUERY, files_fid, .....
  pos = lindgen(nb)
  ; get the data
  Data = ENVI_GET_DATA(fid=files_fid, dims=dims, pos=pos[0])
  QA = ENVI_GET_DATA(fid=files_fid, dims=dims, pos=pos[1])
  mask = (QA EQ 0.00) AND (finite(Data) EQ 1) OR (QA EQ 1.00) AND
(finite(Data) EQ 1)

; Sum Valid Pixels
  npix += mask
  wh = where(mask, ct)
  if ct GT 0 then sum[wh] += Data[wh]
EndFor

; Positions where there are good pixels
  qa_avg = (npix GT 0)
  wh = where(qa_avg EQ 1)

; Compute average for valid pixels
  avg = sum*0
  avg[wh] = sum[wh] / npix[wh]
```

I am also wondering what does += means?

Thank you!!!1
