

---

Subject: Re: Calculating a mean band

Posted by [Conor](#) on Wed, 11 Jul 2007 15:48:06 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On Jul 11, 11:32 am, "Jean H." <jghas...@DELTHIS.ucalgary.ANDTHIS.ca> wrote:

> Julio wrote:

>> Hi there!

>

>> Very simple question... I have a multi-band image (36 bands) and I

>> need to calculate the average of the bands, pixel by pixel.

>

>> If I do that:

>

>> average\_array=mean(multi\_band)

>

>> I get a single value, because it doesn't work pixel by pixel. So, how

>> can I do to make a mean band of all the 36 bands??

>

>> Comments welcome.

>

>> Best!

>> Julio

>

> Hi,

>

> You can easily make the sum of you band along a dimension... so

> average\_array = total(multi\_band, 3) / nbOfBands

>

> Jean

You could also do it this way, assuming image=fltarr(x,y,36)

mean\_image = rebin(x,y,1)

I'm not sure which way is faster

---