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Subject: Multi bands mean

Posted by [jujo](#) on Fri, 08 Feb 2008 16:50:32 GMT

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Hi!

I have a multi-bands image. I need to calculate the mean value of each pixel, considering all the bands. It can be easily done using:

```
mean_image=total(multi_bands_image, 3) / number of bands
```

However, I have some nan values, which have to be discarded before the calculation. I can do that:

```
mean_image=total(multi_bands_image, 3, /nan) / number of bands
```

However, if I do that, the nan values become zeros and the average includes them. How can I do to calculate the mean without considering nan values?

Comments welcome!

Best!

Jurandir

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