Subject: Re: Finding NaNs in arrays - Strange outcome
Posted by wlandsman on Sat, 05 Dec 2015 21:24:05 GMT
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On Saturday, December 5, 2015 at 7:02:49 AM UTC-5, dmfl...@gmail.com wrote:
> Hello
>
> I have a 3D array A (A FLOAT = Array[480, 480, 160]). I wanted to check for NaNs so I had split one 2D array as follows:
>
> A1 = total(A[0:79, 0:79,25])
> A2 = total(A[80:159,80:159,25])

You are not "splitting" the array, but selecting disjoint square regions. For example, suppose an NaN value is present in the pixel [75,100,25]. This pixel is not included in either A1 or A2. But it will be included in your total

print, 'total',total(A[*,*,25])

so it is very plausible that total(A[*,*,25]) gives an NaN while A1+A2+A3+A4+A5+A6 does not.

--Wayne