
Subject: Re: Arrays with NaN values

Posted by [Mark Hadfield](#) on Mon, 04 Oct 2004 23:58:55 GMT

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

David Fanning wrote:

```
>  
> I think I would try something like this:  
>  
>   index = Where(Finite(image) EQ 0, count)  
>   IF count NE 0 THEN image[index] = 0
```

Note that the first line could **not** be replaced by the (apparently reasonable)

```
index = Where(NOT Finite(image), count)
```

because the NOT operator and the WHERE function do not play well together. The reasons are explained here:

http://www.dfanning.com/code_tips/bitwiselogical.html

In IDL 6.0 the logical not operator, "~" operator was introduced to avoid this problem, so the following would work

```
index = Where(~Finite(image), count)
```

--

Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"

m.hadfield@niwa.co.nz

National Institute for Water and Atmospheric Research (NIWA)
