
Subject: Re: Comparison operators and floating-point errors

Posted by [penteado](#) on Mon, 19 Apr 2010 21:45:41 GMT

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

On Apr 19, 6:24 pm, Ed Hyer <ejh...@gmail.com> wrote:

> On Apr 19, 1:36 pm, Craig Markwardt <craig.markwa...@gmail.com> wrote:

>

>> Right. Try setting NAN=0.0/0.0 or NAN=!values.f_nan.

>

> OK, so for the purpose of masking an array with a binary mask, I had
> been using

>

> MASKED_DATA = DATA / FLOAT(MASK)

>

> and should instead use

>

> MASKED_DATA = (DATA * MASK) / FLOAT(MASK)

>

> in order to ensure that the masked values are all NaN.

Or

w=where(~mask,nw)

if (nw gt 0) then masked_data[w]=!values.d_nan
