Subject: Re: IDL not interpreting numbers correctly?
Posted by Ashley Berg on Sat, 27 Aug 2011 01:00:08 GMT

On Aug 26, 6:37 pm, Ashley Berg <ashley.b...@gmail.com> wrote:
> I'm having a strange problem with IDL. I have an array of numbers
> that are supposed to all add up to 100. So to check, I say:
>
> bad = where(array gt 100. or array lt 100.)
>
> and it says it finds 4 numbers that meet this criteria. However, when
> I say:
>
> print, array(bad)
>
> the numbers are all 100.000! So for some reason IDL says these
> numbers are greater than or less than 100 when actually they are equal
> to 100. Has anyone else ever had a problem like this?

So, I also printed off the numbers minus 100, and found out they are
off by 1.4210855e-14. So IDL just wasn't printing out to that many
decimal places. Is there some way to get IDL to print off all the
decimal places instead of printing a rounded number?