Subject: Re: rebin and !values.f_nan
Posted by David Fanning on Mon, 16 Jul 2007 04:17:57 GMT
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kuyper writes:

> I've been at home this weekend, without access to IDL, so I hadn't
> gotten around to testing it. However, what Nick diescribed was not the
> creation of data where none exists, but the destruction of usable data
> by rebin():
>
>> If I use Rebin and there is a NaN value, new array becomes also NaN.
>
> I understood that to mean that the entire re-binned array was set to
> NaN, not just isolated portions of it.

His example showed an entire vector, one element of which was
a NAN, reduced to a single value. In this case, the result--
sensibly I think, since it WAS involved in the calculation--
was a NAN. In the example, the mean was probably a better
choice for a single number (and you can set a NAN flag for
that), but for some reason the requester rejected that as
an option. (He didn't explain why.)

My only point is that if you are going to assign a
value where one didn't exist before, you will have to
take responsibility for doing so. IDL can hardly be
expected to help you out in this ethically challenging
situation. I think it is right that any expression that
involves a NAN will result in a NAN. What else could
it be. :-)

Cheers,

David
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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")