Subject: Re: Integer rounding of NaN Posted by Brian Larsen on Tue, 15 Jan 2008 13:56:05 GMT View Forum Message <> Reply to Message

- > IDL> print, float (round (!Values.F_NAN))
- > -2.14748e+009

You should not expect this to work... as !Values.F_NAN is literally not a number and the build in idl routines are notorious for not doing any checking of their own for NaN and Inf. One is normally best off making sure all the numbers are good before doing round, r correlate, sort, and many others.

Cheers. Brian Brian Larsen **Boston University** Center for Space Physics

Subject: Re: Integer rounding of NaN Posted by lecacheux.alain on Tue, 15 Jan 2008 14:33:39 GMT View Forum Message <> Reply to Message

I agree. I simply forgot to read the accompagnying error message: Finite function is TRUE, but one has to catch the arithmetic error!

IDL> print,finite(round(!values.f_nan))

Program caused arithmetic error: Floating illegal operand