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Subject: Re: Locate an underflow  
Posted by [m.hadfield](#) on Tue, 22 May 2001 22:05:41 GMT  
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From: "Francesco" <francesco.spada@jrc.it>  
> I've got this error  
>  
> % Program caused arithmetic error: Floating underflow  
>  
> Is it possible to know where it appens without putting a million of  
> stop or breakpoint in my program?

Set the !EXCEPT system variable to 2.

From IDL 5.4 documentation:

#### !EXCEPT

An integer variable that controls when IDL checks for invalid mathematical computations (exceptions), such as division by zero. The three allowed values are:

#### Value Description

0 Never report exceptions.

1 Report exceptions when the interpreter is returning to an interactive prompt (the default).

2 Report exceptions at the end of each IDL statement. Note that this slows IDL by roughly 5% compared to setting !EXCEPT=1.

For more information on invalid mathematical computations and error reporting, see Math Errors. The value of !EXCEPT is used by the CHECK\_MATH function to determine when to return errors. See CHECK\_MATH for details.

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Posted from clam.niwa.cri.nz [202.36.29.1]  
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