
Subject: Re: 'loop limit expression too large for loop variable type' error
Posted by [chris_torrence@NOSPAM](#) on Mon, 30 Aug 2010 15:58:21 GMT
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On Aug 30, 9:47 am, Paulo Penteado <pp.pente...@gmail.com> wrote:

> On Aug 30, 12:36 pm, Snow53 <jennifer_wa...@hotmail.com> wrote:

>

>> My code runs great on small data sets, but I'm trying to use it for

>> larger sets and I've started getting an

>> "loop limit expression too large for loop variable type' error when I

>> reach the "for j=0, num_ids-1 do begin". Why is this happening and

>> how can I fix it?

>

> It appears that num_ids is 2^16 or larger, which would overflow the

> loop variable initialized with the type int. Use instead

>

> for j=0L, num_ids-1

>

> Or add at the beginning

>

> compile_opt idl2

>

> or compile_opt defint32

>

> Assuming it would fit into a long (2^32).

Or you could upgrade to IDL 8.0, which automatically promotes the loop variable to a long or long64 if the loop limit is greater than the maximum value for the loop variable. If it isn't greater than the maximum, then it leaves it alone.

Cheers,

Chris
ITTVIS
