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Subject: Re: Loop Limit Error  
Posted by [Anton Ivanov](#) on Wed, 01 Dec 1999 08:00:00 GMT  
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Eric,  
try  
pkp79 = makeRegularStep(pkp.propTime[10880L:42511L],

^            ^

Otherwise IDL thinks you're using a 4 byte signed integer with range -32768  
+32768

Hope, this helps  
Anton

Eric Kihn wrote in message <3846084D.C11E61F0@ngdc.noaa.gov>...

> All,  
>  
> Greetings. The function attached below is giving me the following  
> error:  
>  
> IDL> pkp79 = makeRegularStep(pkp.propTime[10880:42511],  
> pkp.pkp[10880:42511], 15)  
> % Loop limit expression too large for loop variable type.  
> <LONG ( 35038)>.  
> % Execution halted at: MAKEREGULARSTEP 40  
> C:\kp\idl\makeRegularStep.pro  
> % \$MAIN\$  
>

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Subject: Re: Loop Limit Error  
Posted by [m218003](#) on Thu, 02 Dec 1999 08:00:00 GMT  
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In article <3846084D.C11E61F0@ngdc.noaa.gov>,  
Eric Kihn <ekihn@ngdc.noaa.gov> writes:

> All,  
>  
> Greetings. The function attached below is giving me the following  
> error:  
>  
> % Loop limit expression too large for loop variable type.  
> <LONG ( 35038)>.  
> % Execution halted at: MAKEREGULARSTEP 40  
> C:\kp\idl\makeRegularStep.pro  
>

All I can say is:

Change this:

```
> zsize = size(hist, /N_Elements);
```

```
> for i = 0 , zsize -2, 1 do begin
```

to:

```
zsize = size(hist, /N_Elements);
```

```
for i = 0L , zsize -2, 1 do begin ; 0L !!!
```

Although 35038 is still less than  $2^{15}-1$ , it's pretty darn close ;-)

Good luck,

Martin

--

```
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```

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