Subject: [start:final:step] bug
Posted by Dae-Kyu Shin on Sun, 15 Feb 2015 07:45:31 GMT
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hi. here is example code

```
CDF_EPOCH, ts, 2008, 1, 1, 0, 0, 0, 0, /compute
CDF_EPOCH, te, 2009, 1, 1, 0, 0, 0, 0, /compute
step = 5*60d*1d3

res = [ts:te:step]
plot, res,/ys
```

not monotonic increase

Similarly

```
CDF_TT2000, ts, 2008, 1, 1, 0, 0, 0, 0, 0, 0, /compute
CDF_TT2000, te, 2009, 1, 1, 0, 0, 0, 0, 0, 0, /compute
step = 300000000000LL

res = [ts:te:step]
plot, res,/ys
```

thanks

idl 8.3 on ubuntu 12.04

Subject: Re: [start:final:step] bug
Posted by Matthew Argall on Sat, 21 Feb 2015 15:35:14 GMT
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Are you looking at your time values or only at the plot? I cannot test the [start:stop:step] syntax, but I do not have any problems...

```
CDF_TT2000, ts, 2008, 1, 1, 0, 0, 0, 0, 0, 0, /compute
CDF_TT2000, te, 2009, 1, 1, 0, 0, 0, 0, 0, 0, /compute
step = 5*60d*1d9
nsteps = long64((te - ts) / step)
time = ts + l64indgen(nsteps+1) * step
plot, time[1:-1] - time[0:-2], /YSTYLE, YRANGE=[2.9d11, 3.1d11]
print, stddev(time[1:-1] - time[0:-2])
      0.0000000
```

```
CDF_TT2000, ts, 2008, 1, 1, 0, 0, 0, 0, 0, 0, /compute
CDF_TT2000, te, 2009, 1, 1, 0, 0, 0, 0, 0, 0, /compute
step = 300000000000LL
nsteps = (te - ts) / step
time = ts + l64indgen(nsteps+1) * step
plot, time[1:-1] - time[0:-2], /YSTYLE, YRANGE=[2.9d11, 3.1d11]
print, stddev(time[1:-1] - time[0:-2])
      0.00000
```