Subject: Re: timegen
Posted by Phillip Bitzer on Wed, 30 Oct 2013 22:16:57 GMT
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This may be pertinent, from the help:

Note: If the step size is not an integer then the last element may not be equal to the FINAL time. In this case, TIMEGEN will return enough elements such that the last element is less than or equal to FINAL.

If you 'caldat' your final time (end_jd + 1 - (float(step_size) / 86400)), I suspect this is the issue.

But, I'm not sure why this isn't what you're looking for:

```
ts=timegen(start=beg_jd, final=end_jd+1,step_size=step_size, units='seconds')
caldat, ts, mo, dd, yyyy, hh, mm, ss
print, yyyy[-1], mo[-1], dd[-1], hh[-1], mm[-1], ss[-1]
      2013        10        11        23        59      59.902636
```

BTW, your original code contains the line
float(step_size)
which is superfluous - step_size is already a float, yes?