
Subject: getting uniform cadence data

Posted by [gunvicsin11](#) on Wed, 19 Oct 2016 08:26:26 GMT

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hi all,

I have 400 images taken at different time interval 6seconds, 7 seconds, 8seconds and 12 seconds.

But for the analysis, I want 12second cadence image series. Is there a way to get 12 second cadence image series out of this data.

thanks

Subject: Re: getting uniform cadence data

Posted by [Markus Schmassmann](#) on Wed, 19 Oct 2016 09:46:36 GMT

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On 10/19/2016 10:26 AM, sid wrote:

> I have 400 images taken at different time interval 6seconds, 7
> seconds, 8seconds and 12 seconds.

>

> But for the analysis, I want 12second cadence image series. Is there
> a way to get 12 second cadence image series out of this data.

;data= array of size [400,naxis] containing images

;sec = seconds after first image

; dummy data & sec for test purposes:

data=randomu(seed,[400,45,87])

t=randomu(seed,400)*10

sec=total(t,/cumulative)

secOut=[0.:ceil(sec[399]/12.)*12.:12.]

nso=n_elements(secOut)

naxis=(size(data,/dim))[1:2]

dataOut=fltarr([nso,naxis])

for i=0,naxis[0]-1 do for j=0,naxis[1]-1 do \$

 dataOut[* ,i,j]=reform(INTERPOL(data[* ,i,j],sec,secOut),[1,1, nso])

what keywords of INTERPOL to set you need to figure out yourself

Anyone know a way of doing it faster?

Good luck, Markus

<http://www.harrisgeospatial.com/docs/INTERPOL.html>
