
Subject: Re: constant time cadence

Posted by [natha](#) on Thu, 20 Apr 2017 12:46:07 GMT

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Interpolation (see function `interp`) or nearest neighbor. Example:

```
n=10  
new_data=replicate(!values.f_nan,n)  
new_time=lindgen(n)*300L
```

```
for i=0L, n-1 do begin  
    dist=min(abs(your_time - new_time[i]),pos)  
    if dist lt 5 then new_data[i]=your_data[pos]  
endfor
```

In this example "your_time" and "your_data" are your arrays. Note that I set a tolerance of 5 seconds, you could change that...

Using `interp`, would be something like:

```
new_data=interp(your_data,your_time,new_time)
```
