Subject: Re: Matching elements in two arrays of different sizes
Posted by Meredith Pind on Wed, 27 Jun 2012 16:48:02 GMT
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Hey Alain,

thanks. I did this and got 16 matches
w = 0 1 2 3 4 10 11 12 13 14 15
16 17 18 19 20

When I go and print off jd2(w) (smaller array) and jd1(w) (larger array) I get this

IDL> print, jd1(w)
2455771.2 2455771.2 2455771.2 2455771.2 2455771.2 2455771.2
2455771.2 2455771.2 2455771.2 2455771.2 2455771.2 2455771.2
2455771.2 2455771.2 2455771.2 2455771.2

IDL> print, jd2(w)
2455774.0 2455773.6 2455772.9 2455773.0 2455772.7 2455778.0
2455778.0 2455776.9 2455776.9 2455783.8 2455782.6 2455781.9
2455781.9 2455780.7 2455775.0 2455774.8

Which aren't the same values. I'm not sure I understand this.

On Wednesday, June 27, 2012 11:14:40 AM UTC-5, alx wrote:
> On 26 juin, 18:07, pindsy <meredith.p...@gmail.com> wrote:
>> Hi everyone,
>>
>> I am having trouble figuring out how to search through an array of size [1,17824] and match it to the points in another array of size [1,70].
>>
>> What I am trying to use to match the two arrays are the month, day, year, hour, and minute within each dataset. I have made two arrays using julday and have been trying to go through each of those arrays to find matches. However, it only searches up to the 70 first lines of the larger array and dosen't give all the possible matches.
>>
>> Any ideas on how to fix this would be helpful.
>>
>> Cheers,
>>
>> Meredith
>>
>>
>
> Still use VALUE_LOCATE...
> if jd1 and jd2 are the two arrays of julian dates, w will be the
> vector of matching indices:
> w = where(jd1[Value_Locate(jd1, jd2)] eq jd2, /NULL)

>
> For instance:
> IDL> jd1 = julday(indgen(6)*2,1,2012) ;month 1st day, every two
> monthes
> IDL> jd2 = julday(indgen(12),1,2012) ;1st day of each month
> IDL> print, where(jd1[Value_Locate(jd1, jd2)] eq jd2, /NULL)
> 0 2 4 6 8
> 10
>
> alain.

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