
Subject: Re: Select values from one array that match multiple values from an other array

Posted by [Craig Markwardt](#) on Fri, 30 Nov 2012 16:32:04 GMT

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Y

On Friday, November 30, 2012 10:15:28 AM UTC-5, PMagdon wrote:

> Dear all,

>

> I tried to use WHERE for multiple comparisons of two arrays.

>

> Here is a minimal example:

> 1.) Two arrays

> A=[1,3,2,5,2,6,1,9]

> B=[1,5]

> 2.) I need to extract all positions of A where any of the values from B occur in A. So that C should look like this:

> C=[0,3,6]

You can also try MATCH2 from the IDL astronomy library.

<http://idlastro.gsfc.nasa.gov/ftp/pro/misc/match2.pro>

This routine tells you which item in B matches A as well.

For example,

```
match2, a, b, suba
;; ---> [0L,-1L,-1L,1L,-1L,-1L,0L,-1L]
;;    0  1  2  3  4  5  6  7
```

indicates that A[0] matches B[0], A[3] matches B[1], and A[6] matches B[0]. You didn't actually ask for this level of information, but you can get what you want by using WHERE(SUBA GE 0).

Craig
