
Subject: How to locate a "NaN"?

Posted by [mystea](#) on Tue, 09 Oct 2007 06:12:26 GMT

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Hello All,

I have a array of length 100. A significant portion of them is recorded as NaN. Now I want to figure out what is the largest index of the element that contains a valid number, then assign its value to these NaN entries.

I thought it would be easy and tried:

```
IDL> k=max(where(myarray[*] ne !VALUES.D_NAN))
```

but it does not work! k equals to 99 in this case. what's really strange is the following:

```
IDL> help, myarray[50]  
<Expression>  DOUBLE   =      NaN
```

```
IDL> print, (myarray[50] eq !VALUES.D_NAN)
```

```
0
```

(so I think this means myarray[50] is double, is NaN, yet is not !
VALUES.D_NAN)

In short, the problem is, how to locate array elements whose values are NaN?
