
Subject: MAKE_ARRAY question

Posted by [Paul van Delst](#) on Fri, 13 Apr 2001 16:15:47 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi there,

I want to create an array that by default should be FLOAT but can be specified as DOUBLE by the user as a keyword input to a function. Instead of the following:

```
FUNCTION my_func, n_pts, double = double

  IF ( KEYWORD_SET( double ) ) THEN $
    x = MAKE_ARRAY( n_pts, /DOUBLE, /NOZERO ) $
  ELSE $
    x = MAKE_ARRAY( n_pts, /FLOAT, /NOZERO )
```

.....

END

can I rely on the fact that NO type keywords to MAKE_ARRAY means default FLOAT? I.e. :

```
FUNCTION my_func, n_pts, double = double

  x = MAKE_ARRAY( n_pts, DOUBLE = double, /NOZERO )
```

.....

END

The MAKE_ARRAY documentation does not specifically state that the default array created is a FLOAT. Does anyone know if this *is* documented anywhere so I'm not setting my function up (which I use *a lot*) to fall in a heap when IDL 5.5+ is released and RSI happened to decide a default LONG would be better?

Or is there some other natty way to do this?

Thanks for any help.

paulv

--

Paul van Delst A little learning is a dangerous thing;
CIMSS @ NOAA/NCEP Drink deep, or taste not the Pierian spring;
Ph: (301)763-8000 x7274 There shallow draughts intoxicate the brain,
Fax:(301)763-8545 And drinking largely sobers us again.

