
Subject: Re: DOUBLE precision no precise??
Posted by [Robert Stockwell](#) on Tue, 05 Mar 2002 15:32:36 GMT
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David Williams wrote:

```
...
> To try and find where the problem is, we tried the following lines...
>
> IDL> a = DOUBLE(42766.080001)
> IDL> print,a,FORMAT='(F24.17)'
>
> 42766.078125000000000000
>
...
> Dave
>
> -----
> David R. Williams,          | BT7 1NN, Northern Ireland.
> Astrophysics & Planetary Science, | d.williams@qub.ac.uk
> Queen's University, Belfast,    | http://star.pst.qub.ac.uk/~drw/
> =====
>
```

```
IDL> a = DOUBLE(42766.080001)
This statements is the same as a = DOUBLE(FLOAT(42766.080001))
since that is how it gets parsed by IDL. This is how it should work
since you did not define the constant as a double (although
people could argue that double should be the default type).
```

Anyways, this is what you want to do (note the "d" at the end of the number).

```
IDL> print,42766.080001d,format='(f24.12)'
42766.080001000002
```

Cheers,
bob
