
Subject: Floating point error

Posted by [K. Bowman](#) on Fri, 11 Apr 2003 21:19:10 GMT

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I am trying to scatter a vector "data" into an array "array" using array subscripts. "data" contains some NaNs.

This causes floating point exceptions, even though no "operation" is taking place.

```
IDL> help, i, j, h, data, array
```

```
I      LONG    = Array[176779]
```

```
J      LONG    = Array[176779]
```

```
H      LONG    = Array[176779]
```

```
DATA   FLOAT   = Array[176779]
```

```
ARRAY   FLOAT   = Array[720, 160, 24]
```

```
IDL> array[i,j,h] = data
```

```
% Program caused arithmetic error: Floating illegal operand
```

```
IDL> q = data      ;Copy data
```

```
IDL> q[*] = 0.0    ;Get rid of NaNs
```

```
IDL> array[i,j,h] = q ;No problem
```

If this is a feature, it is going to make using NaNs very difficult.

Ken
