

---

**Subject:** help using IMAGE.pro and COLORBAR in IDL  
**Posted by** [Jorge Samanes](#) **on** Tue, 12 Jan 2016 18:32:59 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi everyone

I am trying to use IMAGE.pro and COLORBAR.pro to plot one matrix, but my matrix has missing data. It looks like this:

```
-1.26211 -0.847911  0.978009 -0.385727  0.000000 -1.555000 -1.08558
-1.03278 -0.573436  0.000000 -0.819867 -1.182320  0.000000 -1.15566
-1.03398 -0.869910 -0.731436 -0.334244  0.000000 -1.027600 -1.39933
 0.000000 -0.860263  0.000000 -0.710648 -0.700922  0.000000 -1.12605
-0.615053 -1.042790  0.000000 -0.863888 -0.893129  0.000000 -1.04273
-0.645654 -1.109110 -0.688685 -1.010710 -0.782671 -0.861103  0.00000
-0.432284  0.000000 -0.723107 -0.782671  0.000000 -0.898735 -1.13241
-0.740274 -0.538985  0.000000 -1.046360 -0.530622  0.000000 -1.03806
-0.655046 -0.410564 -0.716280 -0.307296  0.000000 -0.982803 -1.25362
-0.577003 -0.351299  0.000000 -0.524173 -0.219257  0.000000 -1.26598
```

Then, when I use COLORBAR, it takes the value 0.00 as good value. I did not find some keyword to use NAN value. How can I plot this kind of matrix with IMAGE and COLORBAR?

Thanks a lot!!

Jorge

---