
Subject: Adding or averaging multiple grid arrays returns all NaNs

Posted by [Luke Conibear](#) on Wed, 17 Feb 2016 12:34:50 GMT

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Hi,

I have a 2D grid array (lon, lat) for each day of my data:

```
GRID      FLOAT    = Array[3999, 1999]
```

This array is dispersed with values and plots to a map nicely.

When I add multiple grids together or average them (as below), every value in the 2D array turns to NaN, so the plot is blank.

```
TOTAL_GRID  FLOAT    = Array[3999, 1999]
total_grid = total_grid + grid
MEAN_GRID   FLOAT    = Array[3999, 1999]
mean_grid  = total_grid / n_days
```

Does anyone know a solution, as looping for every lat and lon cell would be very computationally expensive for my large data set?

Thanks,
Luke
