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Subject: Re: Removing unwanted data from a structure

Posted by [cab581](#) on Fri, 10 May 2013 17:41:03 GMT

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OK, I'll back track and try to explain more clearly.

I have a structure called STRUCT, it is made from thousands of files, each of these has a measurement at a particular location. The first six tags STRUCT.(0) to STRUCT.(5) are identifiers, STRUCT.(6) is the data. First, I put the data in to 18 latitudinal bins;

```
FOR I = 0,17 DO BEGIN
```

```
A = 0.0
```

```
A = WHERE(STRUCT.LAT GT LAT[I] AND STRUCT.LAT LE LAT[I]+10)
```

STRUCT[A].(6) is therefore the data that I want to analyze in each of the 18 bins.

I found the medians by using;

```
FOR J = 0,99 DO BEGIN
```

```
MEDIAN[I,J] = MEDIAN(STRUCT[A].(6)[J], /double, /even)
```

Where I is the latitude (0,17) and J is the altitude (0,99), so I get an array of the median measurement at each of my 18x100 points.

What I want to do is sift through the data from which I calculated the median and then compare those to the median to exclude erroneous values, so I thought that I could use the following;

```
ind = where(STRUCT[A].(6)[J] GT (MEDIAN+1000))
```

```
IF ind[0] GT 0 then STRUCT[A].(6)[ind] = !values.F_Nan
```

but it doesn't work, I end up with NaNs all over the place where they shouldn't be.

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