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Subject: Faster way to "shift" array?

Posted by [rjp23](#) on Tue, 11 Jun 2013 12:50:43 GMT

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I have a longitude array which ranges from 0 to 360 but I want it to range from -180 to 180.

Currently I'm doing this:

```
lon=shift(lon, n_elements(lon)/2.)
```

```
lon[where(lon GT 180)]=lon[where(lon GT 180)]-360.
```

The lon array is 3600 elements and the shift command is taking around 1 second. When multiplied by the thousands of files I need to handle this becomes quite a considerable time component.

Is there a faster way to do this?

Cheers

Rob

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