
Subject: problem in using function ll_to_utm.pro
Posted by [Baikal](#) on Wed, 21 May 2008 00:19:21 GMT
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To all,

I am a physical oceanographer who needs to use your idl program in my model output post-processing.

While utilizing your utm conversion program (ll_to_utm.pro) in my research work, I have a problem due to zone change so that I encounter a discontinuity problems as follows;

```
test_lon=[125.999,126.000] ; define test lon & lat
test_lat=[36.000,36.000]
; test output
for i=0,1 do
print,i,test_lon(i),test_lat(i),ll_to_utm(test_lon(i),test_lat(i))
0    125.999    36.0000    770330.54    3988106.3
1    126.000    36.0000    229579.34    3988109.1
```

I understand this is due to zone change from 51 to 52.
I wonder how I can avoid this trouble in map drawing where my coastline data points lie over 125 to 127 E longitude.

I appreciate your helps.
