
Subject: map_proj_inverse question

Posted by [natha](#) on Wed, 12 Jan 2011 17:59:07 GMT

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Hi folks,

I'm setting a projection using MAP_SET (IDL 7.1), after that I want to retrieve the lat/lon values of the mouse position.

What I'm doing is the following :

- 1) I retrieve the mouse position, using event.X and event.Y
- 2) After that, I normalize the X,Y position, taking in account the UV_BOX of the map structure

```
uv_box_lenght=[!map.UV_BOX[2]-!map.UV_BOX[0],!map.UV_BOX[3]-!  
map.UV_BOX[1]]
```

```
X=event.X/dim[0]*uv_box_lenght[0] + uv_box_lenght[0]
```

```
Y=event.Y/dim[1]*uv_box_lenght[1] + uv_box_lenght[1]
```

- 3) And I calculate the lat/lon values using map_proj_inverse

```
PRINT, MAP_PROJ_INVERSE(X,Y,MAP_STRUCTURE=!map)
```

Mmmmh !!!! Something is not working well because the values I obtain are incorrect.

What am I missing ?

Thank you for your help,
natha
