## Subject: Re: Plot single data points in IMAP Posted by penteado on Thu, 05 Nov 2009 16:55:57 GMT

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On Nov 5, 11:35 am, "Karlo Janos" <groups.20.beam...@spamgourmet.com> wrote:

- > Dear all,
- >
- > I am wondering if it is possible to plot single data points in a map
- > set produced with IMAP.
- > In the help document I only found examples for overplotting IMAP with
- > images or vector fields with regularly gridded.

>

- > In direct graphics mode I would use "MAP\_SET, ..." and then plot single
- > data points by "PLOTS, lons, lats, ...". In this case "lons" and "lats"
- > can be arbitrary coordinates from the intervals [-180; 180] and
- > [-90;90], respectively.
- > Is there any way to get a similar result with IMAP?

>

> Thanks in advance,

>

> Karlo

I think you need to use iplot to overplot on the imap, with your lats and lons converted to cartesian coordinates. As an example:

```
lats=[60.,30.,0.,-60.,-45.,60.]
lons=[-60.,0.,120.,30.,-60.,-60.]
imap,map_projection='sinusoidal'
mp=map_proj_init('sinusoidal')
xy=map_proj_forward(lons,lats,map_structure=mp)
iplot,xy,/over,color=[255,0,0]
```

Subject: Re: Plot single data points in IMAP Posted by Karlo Janos on Tue, 10 Nov 2009 12:23:20 GMT View Forum Message <> Reply to Message

- > I think you need to use iplot to overplot on the imap, with your lats
- > and lons converted to cartesian coordinates. As an example:

>

> [...]

Thank you for this hint! That's what I've been looking for. Regards,

Karlo

Subject: Re: Plot single data points in IMAP Posted by penteado on Tue, 10 Nov 2009 21:22:03 GMT

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On Nov 10, 10:23 am, "Karlo Janos" <groups.20.beam...@spamgourmet.com> wrote:

- >> I think you need to use iplot to overplot on the imap, with your lats
- >> and lons converted to cartesian coordinates. As an example:

> >> [...]

>

- > Thank you for this hint! That's what I've been looking for.
- > Regards,

>

> Karlo

Though that is a bit incomplete, because if you change the projection with the imap widgets, the plot will not change accordingly.

Probably with some digging around the imap objects there would be a way to make the plot be updated when the projection change method got called, and it probably could be neatly packaged into a wrapper to iplot. It is, however, the kind of obvious need that ITTVIS should have provided for.

Subject: Re: Plot single data points in IMAP Posted by kidpix on Wed, 27 Apr 2011 14:52:05 GMT View Forum Message <> Reply to Message

Hi,

there are some news about this topic?

I'm interested in the linking the iplot data to the current map projection, but I'm far to new to iTools to find a realiable solution.

Regards, Mario.