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Subject: Re: how to rasterize point data with IDL  
Posted by [jpdavra](#) on Sun, 10 Feb 2013 12:20:18 GMT  
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On Monday, 11 January 2010 00:31:24 UTC+5:30, R.Laymon wrote:  
> On Jan 10, 1:38 am, "Jeff N." <jeffnettles4...@gmail.com> wrote:  
>> On Jan 10, 12:17 am, "R.Laymon" <ray.laymon...@gmail.com> wrote:  
>>  
>>> Dear all,  
>>  
>>> I have a x(lat), y(long), Z(data) type of daily data for 8-years. I am  
>>> trying to rasterize these point data to create daily spatial maps (365  
>>> days x 8 years = ~ 3000 images). There is an in built ENVI function  
>>> Vector/Rasterize Point data. Since I need to create ~3000 images and  
>>> doing that manually one by one is not time-wise reasonable with ENVI,  
>>> could anybody tell me if I may and how can I use this function in IDL?  
>>> Thx!  
>>  
>>> Ray  
>>  
>> There are of course several ways to do this, but perhaps the easiest  
>> for you would be to use ENVI\_GRID\_DOIT, which is the programmatical  
>> equivalent of the Rasterize Point Data command you see in the GUI.  
>> ENVI help for the command has an example to get you started. See if  
>> that fits your needs.  
>>  
>> Jeff  
>  
> Hi Jeff,  
>  
> It worked great. That was exactly what I was looking for. Thanks a lot  
> for your help.  
>  
> Ray

Hey, i'm jigar from india, working on ENVI + IDL.....ENVI\_DO\_IT function working properly which example given in help but my own data i cant rasterize.  
in my ascii file, there id x,y and z as  
x->lat  
y->long means location  
z->temperature data

i have upto 150 data each x y and z  
in example there is given that...  
x\_pts = [0, 500, 500, 0, 250]  
y\_pts = [0, 0, 500, 500, 250]  
z\_pts = [0, 100, 200, 300, 1000]

now i have to assign all lat, long points to x and y and assign temperature data to z\_pts.... am i write?

but my problem is that ..... how to assign my x,y and z data which i have in form of

x-> image.x

y-> image.y

z-> image.z

but how i can assign thai all x,y,z into x\_pts, y\_pts and z\_pts???? plz reply me soon

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