Subject: Satellite images and interpolation
Posted by Ben Marriage on Wed, 23 Jun 1999 07:00:00 GMT

Hey everybody,

Was wondering if somebody could point me in the right direction (i.e.
which procedures/functions to use) for this subscript problem:

I have a 2D array of values and a correponding 2D array of Latitudes and
a 2D array of longitudes (Geo-registered Sea Surface Temperatures if
anybody is interested). I also have a 2D satellite image with 2D arrays
of latitude and longitude. How do I take the latitude/longitude pairs
from the satellite image and interpolate these positions into the Sea
Surface Temperatures?

I would be extremely grateful for just a pointer to the correct
functions if they already exist in IDL.

Thanks in advance...
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Ben Marriage
Meteorology Department
University of Edinburgh
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Subject: Re: Satellite images and interpolation
Posted by Ben Marriage on Mon, 28 Jun 1999 07:00:00 GMT

wmc@bas.ac.uk wrote:
>
> Martin Schultz <mgs@io.harvard.edu> wrote:
>> Ben Marriage wrote:
>>> I have a 2D array of values and a correponding 2D array of Latitudes and
>>> a 2D array of longitudes (Geo-registered Sea Surface Temperatures if
>>> anybody is interested). I also have a 2D satellite image with 2D arrays
>>> of latitude and longitude. How do I take the latitude/longitude pairs
>>> from the satellite image and interpolate these positions into the Sea
>>> Surface Temperatures?
>
> MS provided a nice list but I think he left out the ones you need: the pair
> triangulate and trigrid. Have a look at the help pages for these 2. Also,
> look (www.deja.com) for my recent post about sph_scat and the helpful reply
> I received.
>
> -W.

>
> --
> William M Connolley | wmc@bas.ac.uk | http://www.nbs.ac.uk/public/icd/wmc/
> Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself

Thanks for all the help on this subject folks.

Ben Marriage

p.s. William, do you know John Turner, Tom L-Cope? (my PhD supervisors!)