Subject: Re: Satellite data programming help
Posted by Ken Mankoff on Thu, 09 Jun 2005 12:39:24 GMT
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On Thu, 9 Jun 2005, Giorgos wrote:
> I have data from 2 satellites which are polar orbiters for a day.
> I have the coordinates for this data and what I want to do is
> actually geolocate the data from the 2 satellites but the problem
> is that they do many orbits each day and if I make sth
> automatically I do not know if the nearest pixel that I will
> locate to which orbit it will belong from the other and I was
> wondering if smn has ever done sth similar. I can do it easily if
> I start seperate the orbits but I was wondering if I can find a
> way to rename the geocordinates for all the orbits for one day and
> work with all the dataset meaning a table with 2 columns of data
> where each row has 2 elements: in one the information from one and
> the other the information from the other concerning exactly the
> same location and in the proper time(they have just a few minutes
> difference). I apologize if this kind of question does not belong
> exactly to this group...

If you have the lat/lon arrays for each satellite, do you also have a time array? If yes, then you should be able to do a WHERE (or HISTOGRAM?) query such that your delta_lon LT X and delta_lat LT Y and delta_time LT T.

Or, if you really can do it easily by seperating the orbits, can't you just seperate the orbits, do it easily, and then re-combine the results into your two-column table?

-k.

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