Subject: Re: Astronomys` Sixth Neighbour Needs Help
Posted by google_forums on Mon, 11 Aug 2003 21:20:57 GMT
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The trick is that I need the closest point that satisfies my condition
(the closest point that has a score -- population or whatnot --
greater than the test station)....

-David

wmc@bas.ac.uk wrote in message news:<3f37b61f@news.nwl.ac.uk>...
> I come across this sometimes. The basis of the solution is usually
> something like:
>
>> lon1=data.longitude & lon1(i)=-999
>> lat1=data.latitude & lat1(i)=-999
>
>> mindist=min(sqrt((lon1-lon1(i))^2+(lat1-lat1(i)^2),j)
>
> That finds you the closest city (j), without using the inner loop, and
> so is much faster. OK, it uses distance in lat-lon space: if you care about
> the exact coordinates you can use convert_coord to get it in whatever
> map projection you are using.
>
> -W.