Subject: Re: Minimum between two arrays; no, not just Min(A-B)
Posted by leatherback on Wed, 19 Sep 2007 10:55:06 GMT

Hi JD,

This worked like a charm! Didn't know the value_locate function.

thanks!

J.

> If they are in sorted order, you can use VALUE_LOCATE, which is happy
> to search for the location of many dates within many satellite
> timestamps, all at once. Then select which ever of the two is closer,
> like so:
>
> IDL> nv=100
> IDL> obs=randomu(sd,nv) & sat=randomu(sd,nv) & sat=sat[sort(sat)]
> IDL> v=value_locate(sat,obs)
> IDL> m=min(abs(sat[[1#v,1#v+1]]-rebin(1#obs,2,nv)),pos,DIMENSION= 1)
> IDL> v= nv-1 < (v + pos mod 2) > 0
> IDL> print,mean(abs(sat[v]-obs))
>
> JD