Hello Everyone,

I have a couple of files that I overlap on a mapset but when I plot it, the image is overwritten by the latter of each file. A simple set up is essentially like this.

Lat1 = fltarr[36,400]
Lon1 = fltarr[36,400]

Lat2 = fltarr[36,400]
Lon2 = fltarr[36,400]

result1 = fltarr[36,400]
result2 = fltarr[46,400]

cgcontour, result1, Lon1, Lat1, level = findgen(18)/10-.2, /overplot, /cell_fill

MAP_SET, /Continents, limit = [10,70,45,135], /grid, label = 2, latlab = 110, color =1, charsize = 1.9, /noerase

cgcontour, result2, Lon2, Lat2, level = findgen(18)/10-.2, /overplot, /cell_fill

MAP_SET, /Continents, limit = [10,70,45,135], /grid, label = 2, latlab = 110, color =1, charsize = 1.9, /noerase

A picture of what I am experiencing is here.

 http://www.vos.noaa.gov/MWL/apr_10/Images/pacific/Fig21P.jpg

I was wanting to know if there is a way IDL can say where the overlap is and average the result between the two files in the overlap section.

Thanks,

Chase