
Subject: Avoiding loop stats

Posted by [yp](#) on Fri, 19 Jan 2007 17:43:59 GMT

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IDL Gurus,

There is perhaps a smart solution to this problem, but I could not figure out.

I have a series of EO images (2D) stacked over time which makes the data a 3D array of [4000, 2000, 900] i.e., [lon,lat,time]

I need to compute various statistical parameters at each pixel over time and produce each of them as [4000,2000] array.

```
for i=0,4000L-1 do for j=0,2000L-1 do data_st(i,j)=st_func(data(i,j,*))
```

where, data=FLTARR[4000,2000,900]

data_st is the output from a function 'st_func' which works with vector data only.

Is there a way to do this avoiding the 4000x2000 loop? It is painfully slow on windows.

thanks in advance
