
Subject: Avoiding FOR loops ?

Posted by [sdj](#) on Wed, 25 Aug 2004 10:31:04 GMT

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Dear All,

Is there a away to avoid the FOR loops in the following code:

;no. of months & no. of lat, lon points

n_months = 256

lon = 1304

lat = 1028

;3-D array with SST observations for all

;months and all pixels - Populated

data_all = fltarr(n_months, lon, lat)

;Array of all valid observations across all months

;for all pixels - To be populated

data_obs = intarr(lon, lat)

;Array of mean values across all months

;for all pixels - To be populated

data_mean = fltarr(lon, lat)

;Array of median values across all months

;for all pixels - To be populated

data_median = fltarr(lon, lat)

;The values of LAND to be avoided

;Bad value obs is defined as 0

def_val = -9999.9

FOR ilon = 0, lon - 1 DO BEGIN

 FOR ilat = 0, lat - 1 DO BEGIN

 valid = where(data_all(*, ilon, ilat) NE def_val AND \$

 data_all(*, ilon, ilat) NE 0, count = valid_obs)

 data_obs(ilon, ilat) = valid_obs

 data_mean(ilon, ilat) = mean(data_all(*, ilon, ilat))

 data_median(ilon, ilat) = median(data_all(*, ilon, ilat))

 ENDFOR

ENDFOR

It seems to me that I am not exactly speeding things up by using this method...

Thanks in advance for your help.

Regards,

Pepe

Pepe S. D. Juevara

- No debe cambiarse de caballo al cruzar el río -
