Subject: I want to plot the rainfall data on the image.
Posted by ristight on Wed, 11 Nov 2015 08:58:55 GMT
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I am creating a program that plots the rainfall data on to the cropped image.
How do If you were to plot to the cropped image?
How you do rewrite this program?
Please tell me someone.

```
  x1 = fltarr(3600,1200)
  y1 = fltarr(3600,1200)
  mvk = fltarr(3600,1200)
  nrt = fltarr(3600,1200)

fname1='F:\MTSAT2-145E-201410060732UTC-VIS.jpg'



read_jpeg, fname1, gsmap
clip = gsmap[*, 164:3711, 280:3824] ;To store the cropped image.

openr,1,fname2
openr,2,fname3
readu,1,x1
readu,2,y1

r1=make_array(3600,1200)
r2=make_array(3600,1200)
r3=make_array(3600,1200)
r4=make_array(3600,1200)
r5=make_array(3600,1200)
r6=make_array(3600,1200)
r7=make_array(3600,1200)
r8=make_array(3600,1200)
r9=make_array(3600,1200)
r10=make_array(3600,1200)

for j=0,1199 do begin
  for i=0,1799 do begin
    k = i+1800
    mvk(i,j) = x1(k,j)
    nrt(i,j) = y1(k,j)
  endfor
endfor
for j=0,1199 do begin
  for i=1800,3599 do begin
    k = i-1800
```

```
    mvk(i,j) = x1(k,j)
    nrt(i,j) = y1(k,j)
  endfor
endfor



for j=0,1200-1 do begin
  for i=0,3600-1 do begin
    if mvk(i,j) gt 0 and nrt(i,j) gt 0 then begin
      if nrt(i,j) - mvk(i,j) ge 0.1 and nrt(i,j)-mvk(i,j) lt 0.5 then r1[i,j]=1        ;1
      if nrt(i,j) - mvk(i,j) ge 0.5 and nrt(i,j)-mvk(i,j) lt 1 then r2[i,j]=1         ;9
      if nrt(i,j) - mvk(i,j) ge 1 and nrt(i,j) - mvk(i,j) lt 1.5 then r3[i,j]=1       ;4
      if nrt(i,j) - mvk(i,j) ge 1.5 and nrt(i,j) - mvk(i,j) lt 2 then r4[i,j]=1   ;16
      if nrt(i,j) - mvk(i,j) ge 2 and  nrt(i,j) - mvk(i,j) lt 2.5 then r5[i,j]=1

      if nrt(i,j) - mvk(i,j) ge 2.5 and nrt(i,j)-mvk(i,j) lt 3 then r6[i,j]=1
      if nrt(i,j) - mvk(i,j) ge 3 and nrt(i,j)-mvk(i,j) lt 3.5 then r7[i,j]=1
      if nrt(i,j) - mvk(i,j) ge 3.5 and nrt(i,j)-mvk(i,j) lt 4 then r8[i,j]=1
      if nrt(i,j) - mvk(i,j) ge 4 and nrt(i,j) - mvk(i,j) lt 4.5 then r9[i,j]=1
      if nrt(i,j) - mvk(i,j) ge 4.5 then r10[i,j]=1
    endif
  endfor
endfor

A = 0L
for I = -180.0, 179.9, 0.1 do begin
  B = 0L
  for J = 59.9, -60.0, -0.1 do begin
    xGrid = [I-1/20., I+1/20., I+1/20., I-1/20.]
    yGrid = [J-1/20., J-1/20., J+1/20., J+1/20.]
    if r1(A,B) eq 1 then POLYFILL, xGrid, yGrid, color = '960000'XL
    if r2(A,B) eq 1 then POLYFILL, xGrid, yGrid, color = 'FF6400'XL
    if r3(A,B) eq 1 then POLYFILL, xGrid, yGrid, color = 'FFB400'XL
    if r4(A,B) eq 1 then POLYFILL, xGrid, yGrid, color = '80DB33'XL
    if r5(A,B) eq 1 then POLYFILL, xGrid, yGrid, color = '4AEB9B'XL
    if r6(A,B) eq 1 then POLYFILL, xGrid, yGrid, color = '00EBFF'XL
    if r7(A,B) eq 1 then POLYFILL, xGrid, yGrid, color = '00B3FF'XL
    if r8(A,B) eq 1 then POLYFILL, xGrid, yGrid, color = '0064FF'XL
    if r9(A,B) eq 1 then POLYFILL, xGrid, yGrid, color = '001EEB'XL
    if r10(A,B) eq 1 then POLYFILL, xGrid, yGrid, color = '0000AF'XL
    B++
  endfor
  A++
endfor


map_set,/clip, /cont, /grid, limit = [60,80,-60,-160], glinestyle = 1, title='20140831_0hour'
```

```
GridSize = 0.1
XtoBMP,'C:\Users\Desktop\20140831_0hour.bmp'
close,/all
```