

```

#* DemonstrationScript
#* TNTmips / SML V5.3
#* Display functions: Boxcar classification

print("Select three processing bands: ")
GetInputRaster(A)
GetInputRaster(B,NumLins(A),NumCols(A),RastType(A))
GetInputRaster(C,NumLins(A),NumCols(A),RastType(A))

print("Select reference raster for display:")
GetInputRaster(Ref,NumLins(A),NumCols(A))
GetOutputRaster(OUT,NumLins(A),NumCols(A),RastType(Ref))
print("creating output raster...")
OUT=Ref
CopySubobjects(Ref,OUT)
CloseRaster(OUT)

disp = DispOpen()
#DispSetTitle(disp, title$)
DispQuickAddRasterVar(disp, OUT)
DispAddButtons(disp,"New A's","New B's","New
C's","Clear","Process","Done")

maxA=GlobalMax(A)
minA=GlobalMin(A)
print("Enter initial value for aLO between",minA," and",maxA)
aLO = input(aLO)
print("Enter initial value for aHI between",minA," and",maxA)
aHI = input(aHI)
maxB=GlobalMax(B)
minB=GlobalMin(B)
print("Enter initial value for bLO between",minB," and",maxB)
bLO = input(bLO)
print("Enter initial value for bHI between",minB," and",maxB)
bHI = input(bHI)
maxC=GlobalMax(C)
minC=GlobalMin(C)
print("Enter initial value for cLO between",minC," and",maxC)
cLO = input(cLO)
print("Enter initial value for cHI between",minC," and",maxC)
cHI = input(cHI)

done=0
#####
while (done == 0){
DispRedraw(disp)
clear()
print("A lo/hi:", aLO, aHI)
print("B lo/hi:", bLO, bHI)
print("C lo/hi:", cLO, cHI)
print("Pressoptionbuttonsindisplay window")

DispSetMessage (disp,"Press an option button")
button$=DispWaitForButtonPress(disp)

if (button$=="New A's"){
DispSetMessage (disp, "Enter new Low value in Console Window")
print("Enter new value for aLO between",minA," and",maxA)
aLO = input(aLO)
DispSetMessage (disp, "Enter new High value in Console Window")
print("Enter new value for aHI between",minA," and",maxA)
aHI = input(aHI)}

if (button$=="New B's"){
DispSetMessage (disp, "Enter new Low value in Console Window")
print("Enter new value for bLO between",minB," and",maxB)
bLO = input(bLO)
DispSetMessage (disp, "Enter new High value in Console Window")
print("Enter new value for bHI between",minB," and",maxB)
bHI = input(bHI)}

if (button$=="New C's"){
DispSetMessage (disp, "Enter new Low value in Console Window")
print("Enter new value for cLO between",minC," and",maxC)
cLO = input(cLO)
DispSetMessage (disp, "Enter new High value in Console Window")
print("Enter new value for cHI between",minC," and",maxC)
cHI = input(cHI)}

if (button$=="Clear"){
OUT=Ref
CloseRaster(OUT)}

if (button$=="Process"){
clear()
print("working...")
for each A
if ((A<=aHI) and (A>=aLO) and
(B<=bHI) and (B>=bLO) and
(C<=cHI) and (C>=cLO))
then OUT = 255
CloseRaster(OUT)
print("finished.")}

if (button$=="Done"){
done=1
print("Done")}
}
#### DONE
DispClose(disp)
CloseRaster(OUT)
clear()
print("Program complete")

```