## Subject: Image subtraction values Posted by beardown911 on Sun, 04 Jul 2010 05:00:44 GMT View Forum Message <> Reply to Message

Dear all. I've been trying to calculate deviation of each image from the mean at pixel by pixel basis. When I checked pixel values, they look to be way high. I've trying to figure it out, but due to my short knowledge of IDL, problem solving doesn't seem to progress. For your better understanding, I would like to show what I wrote. I really appreciate for your comments and advice. pro deviation file = File\_Search('C:\DataProcessing\Images\\*.tif', Count=count) nlmages = n\_elements(file) OK = QUERY TIFF(file[0], info) print, info.dimensions imageSize = info.dimensions ns = imageSize[0] nl = imageSize[1] Volume = fltarr(ns, nl, nlmages) imageMean = fltarr(ns, nl); stacked image mean imageDev = fltarr(ns, nl); image difference imageFloat = fltarr(ns, nl); converting floating point FOR i=0, count-1 DO BEGIN Image = READ\_TIFF(file[i]) imageFloat = float(reform(Image)) Volume[\*,\*,i] = imageFloat imageMean = total(Volume, 3)/nImages imageDev = imageFloat - imageMean

FILE\_MKDIR, 'C:\DataProcessing\Images\Temp\' outdir = 'C:\DataProcessing\Images\Temp\' basename = File\_BaseName(file, '.tif') outfile = outdir + basename + '.dev.dat'

OPENW, LUN, (outfile[i]), /GET\_LUN WRITEU, LUN, imageDev FREE\_LUN, LUN

ENDFOR		
END		