

Remote Sensing Homework 1

1. Consider Formosat-2 images I0017093 as the reference images and images I0017094 as target images and conduct image georeference by the following procedures:
 - (1) Register images I0017093 to TM-2 coordinates using information contained in the I0017093.rpt file.
 - (2) Conduct georeferencing for I0017094 images using 10 GCPs listed in the file "GCP.pdf" and a quadratic polynomial model.
 - (3) Resampling with the nearest neighbor method.

You should show all details of the georeferencing process including, but not limited to:

- locations and coordinates of GCPs
 - Registration accuracies of individual GCPs.
 - Pseudo-color display of the raw and georeferenced images.
2. Consider green band I0017093 as the reference image and green band I0017094 as the source image and match histograms of the two images.