

Re-projection Technique

- To do this assignment, MODIS image (MOD021KM products) was downloaded from Earth data website (<https://adsweb.modaps.eosdis.nasa.gov/>) .
- The original image of MODIS product is shown in Fig. 1.

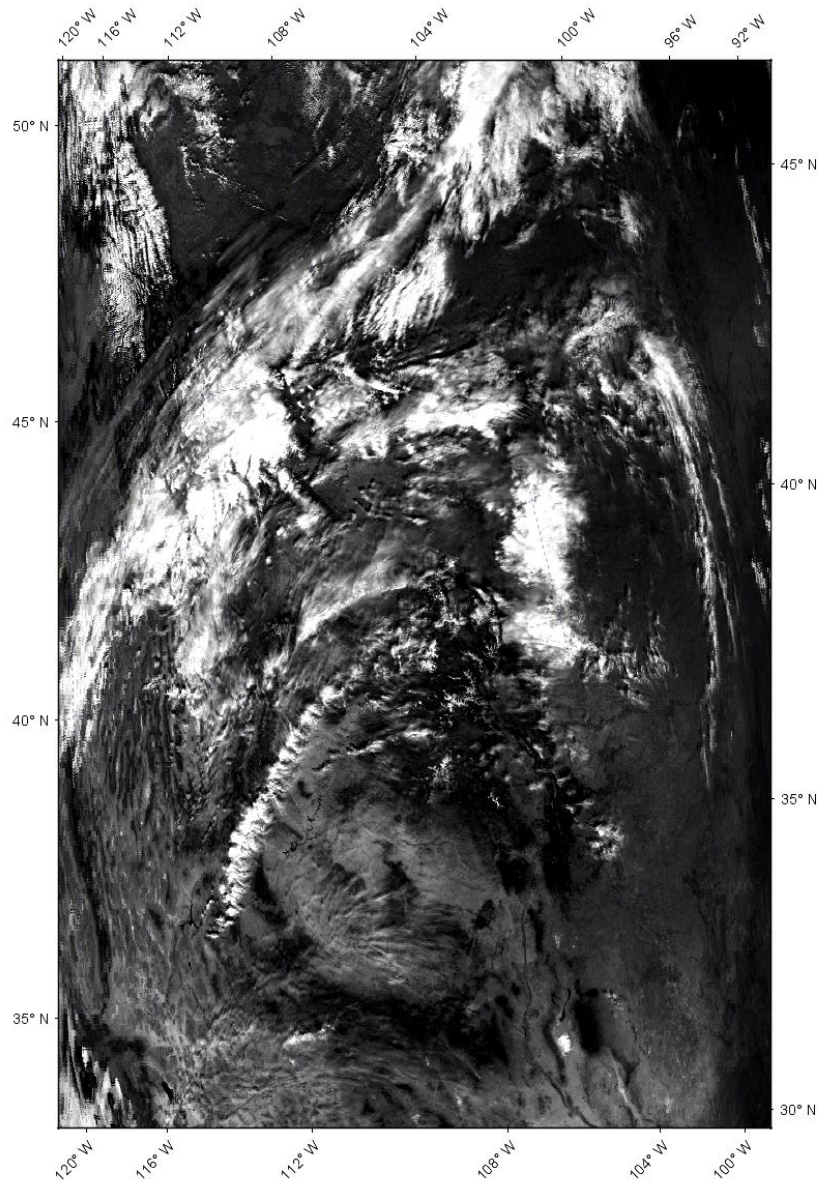


Figure 1: Original MODIS Image

- Used SeaDAS software to re-project MODIS sinusoidal projection to UTM projection of Landsat.

- While reprojecting, selected appropriate UTM zone from Metadata file of Landsat Image and used nearest neighbor interpolation technique.
- After re-projection, used ENVI to check whether image is re-projected correctly or not. For that both MODIS and Some Landsat image were opened together, shown in Figure 2:

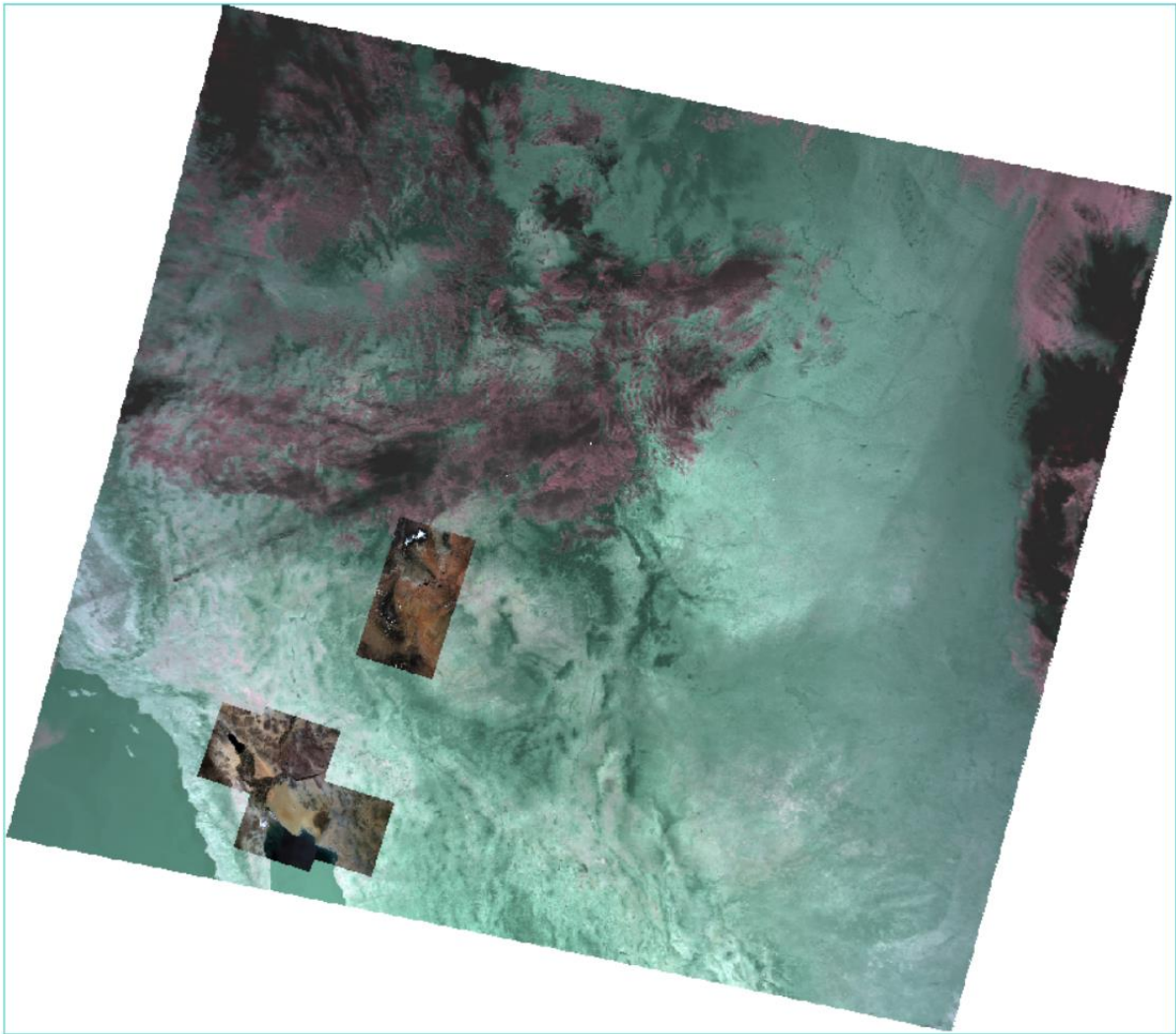


Figure 2: MODIS re-projected image with some Landsat Path/rows