Remote Sensing Laboratory
Lab Assignment # 3
Moderate Resolution Remote Sensing
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1. OBJECTIVE
The main objective of this exercise is to be acquainted with the moderate-resolution remote sensing data and compare characteristics of each data set.
2. DATA PROVIDED

The data sources used are from following satellites/sensors;
1. NOAA NDVI 30 days composite
2. SPOT VI dataset
3.RADARSAT dataset

3. METHODOLOGY

1. Start image processing software ENVI 3.6
2. Open moderate resolution remote sensing data set image file
3. Compare characteristic type of each dataset.
- Examine the change of vegetation value from dataset by Z- profiles tools.
    (For NOAA NDVI 30 days composite dataset and SPOT VI dataset)
- Examine the quality of the image and explain how dose it look like.
    (For RADARSAT dataset)
4. Result

5. Discussions and Conclusion:

5.Result (II): Characteristic of all sensors both of spatial and spectral information.

Satellite	Sensor	Spatial Resolution	Spectral Resolution	Altitude	Swath	IFOV (μrad)	Repeat Interval	Cost (Seller)	Minimum Price
NOAA									
SPOT									
RADARSAT									
MODIS									

RED

6.Result (III): Advantage and disadvantage of all sensors.

Sensor	Advantage	Disadvantage
NOAA		
SPOT		
RADARSAT		
MODIS		