Week: 3 & 4

Lab: 2 & 3

Lab Title: Remote Sensing Systems

1. Objective: To become familiar with remote sensing systems.
2. Procedure: Using the satellites that you are assigned, explain the characteristics of each satellite as outlined below.
3. Make sure you use the most recent generation of each satellite systems listed below.

**Satellites:**

**Day 1:**

1. LANDSAT
2. SPOT
3. OrbView – 2 & 3
4. RADARSAT
5. NOAA-GOES
6. NOAA-15
7. INSAT
8. TERRA
9. IKONOS

**Day 2:**

1. GeoEye-1&2
2. RESURS – DK No.1
3. QUICKBIRD
4. ENVISAT
5. ERS
6. BHASKARA-1
7. SPIN-2
8. SARAL
9. SEASAT

**Characteristics:**

1. Application
2. History
3. Type (Active, Passive)
4. Altitude
5. Inclination
6. Cycle
7. Sensors
8. Data Rate
9. Orbit
10. Launching System
11. Revisit Time
12. Spatial Resolution
13. Frequency Band
14. Manufacturer
15. Satellite Configuration