





Albedo of various	surface features
Surface Type	Albedo (%)
Grass	25
Concrete	20
Water	5–70
Fresh snow	80
Forest	5–10
Thick cloud	75
Dark soil	5–10























• At 1.4, 1.9, and 2.7 µm water in leaf absorbs strongly

(Water Absorption Bands)

• Leaf reflectance is approximately inversely related to the total water present in a leaf













- Source would provide energy over all wavelengths, at a constant, known, high level of output, irrespective of time and place
- Non interfering atmosphere
- Atmosphere would not modify the energy from the source in any manner
- Unique Energy/ Matter Interactions at the Earth's Surface
- Reflectance is invariant and unique to each and every earth surface feature
  Super Sensor
  - · Highly sensitive to all wavelengths
  - Simple, reliable, require virtually no power or space, be accurate, and economical to operate
  - Real-Time Data Handling System
  - Derived data would provide insight into the physical-chemical-biological state of each feature of interest
  - Multiple Data Users
  - Knowledge in subject domain & RS image interpretation
  - Same set of data would become various forms of information







Interpretation based solely on remotely sensed data should be treated with caution unless supported by ground verification data.