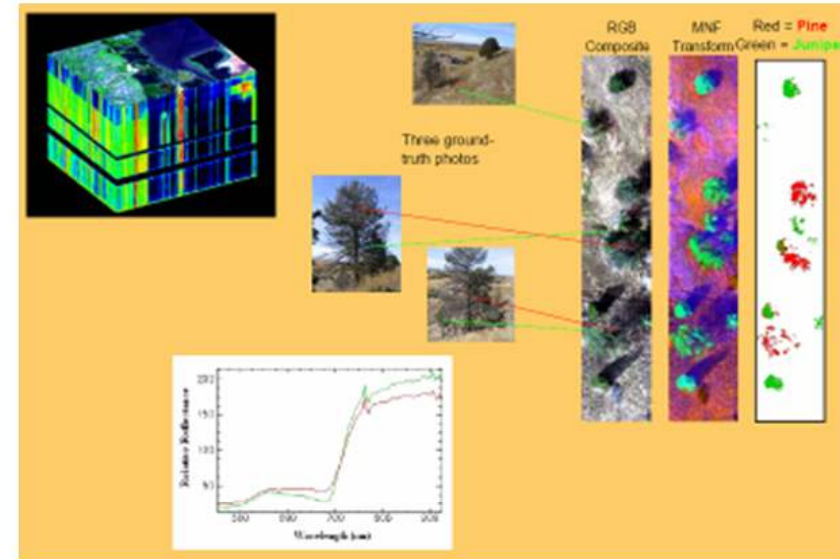


Imagery - Hyperspectral

- COTS Hyperspectral imagers available (<5 lbs)
- Visible (0.3 – 0.9 μm) and NIR (0.9 – 1.7 μm)
- Push-broom system
- Georectified through autopilot telemetry
- Operated remotely through autopilot
- Classification of materials
- Observing through the canopy/fog
- Above and below water observations



Potential applications;

- Water quality mapping - chemicals, algae etc.,
- Coral mapping – health and classification
- Water depth and sediment characterization
- Environmental spill/algal bloom assessments
- Port monitoring – environmental and safety
- Improved mammal assessment - skin, fungal, oils etc.,
- Maritime emergency response support
- Others

