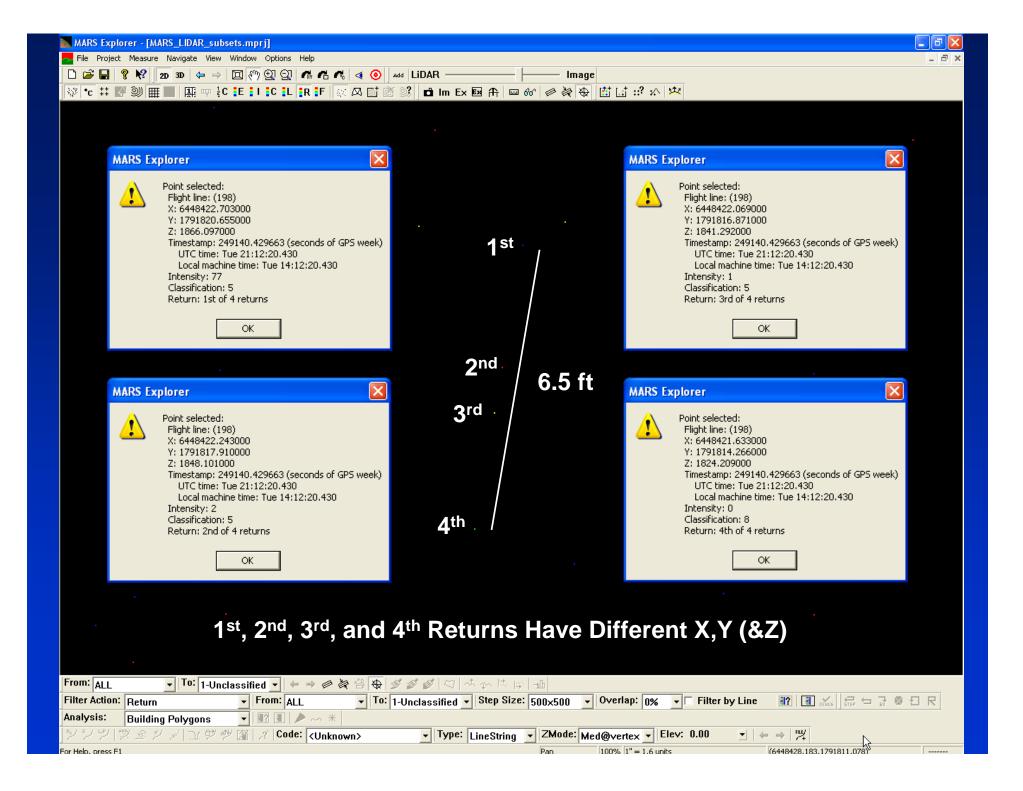


- Multiple returns
 - Provide additional LIDAR points (X,Y,Z)
 - Indicate vegetation canopy (or edge of tall feature)
 - Reveal structural detail within the canopy





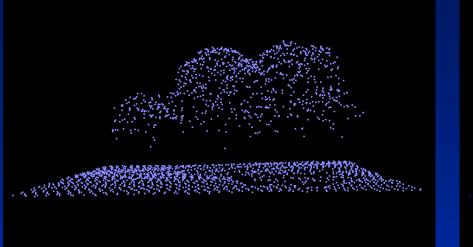


Colored by Flight Line (single line)

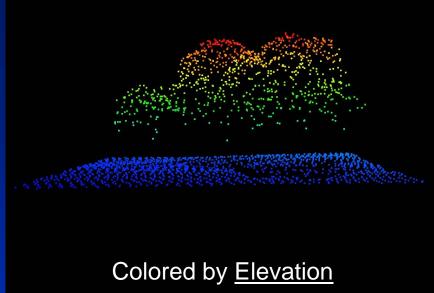
Colored by **Elevation**

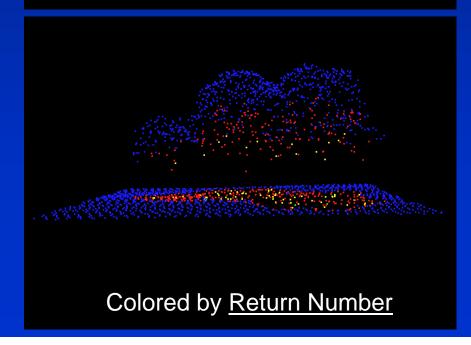
Colored by Return Number

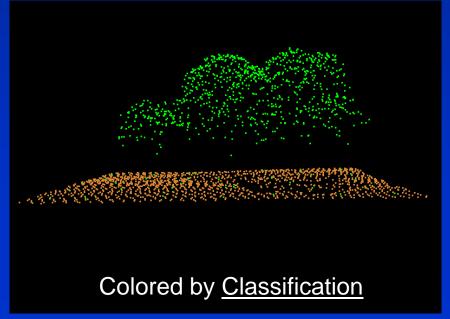
Colored by Classification

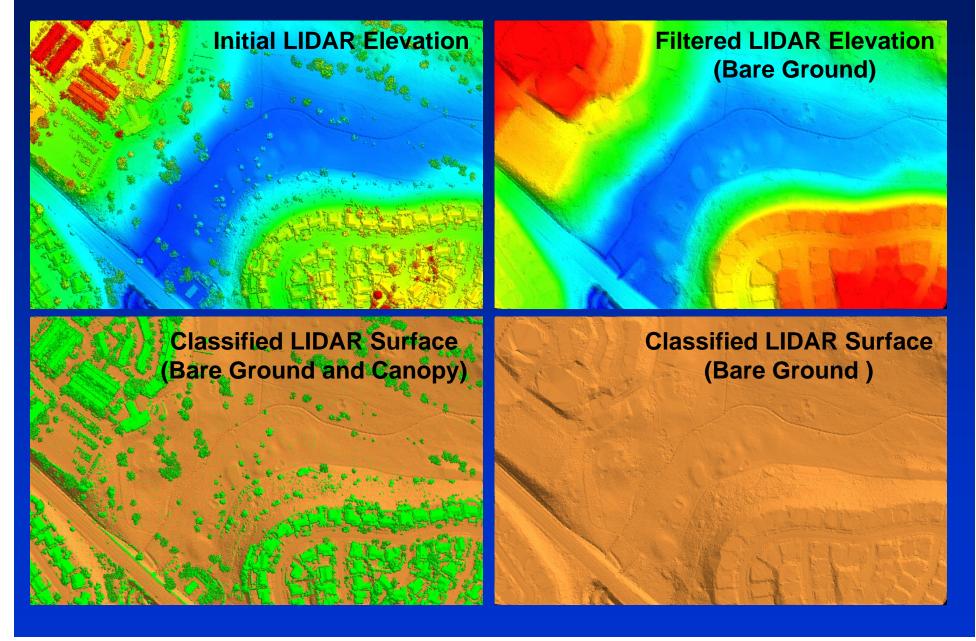


Colored by Flight Line (single line)



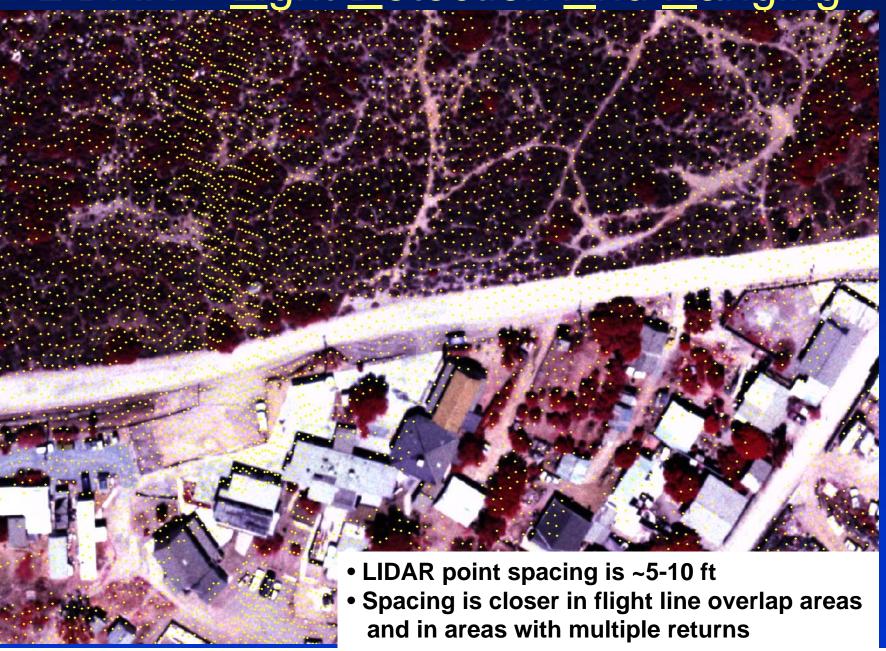




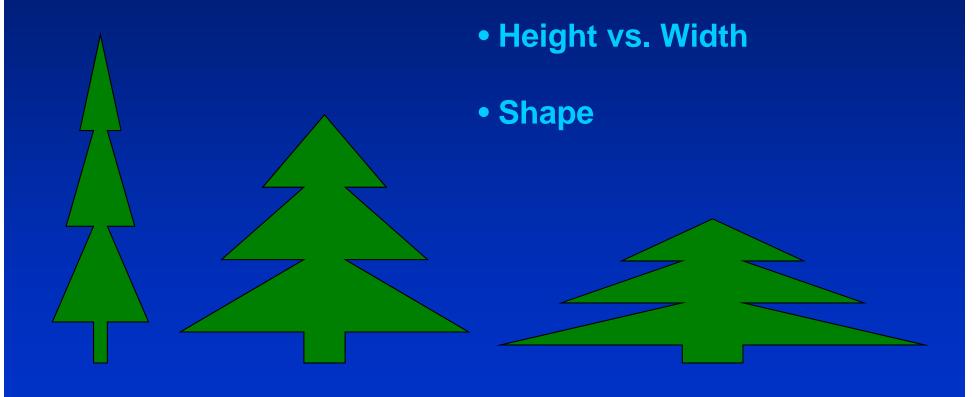




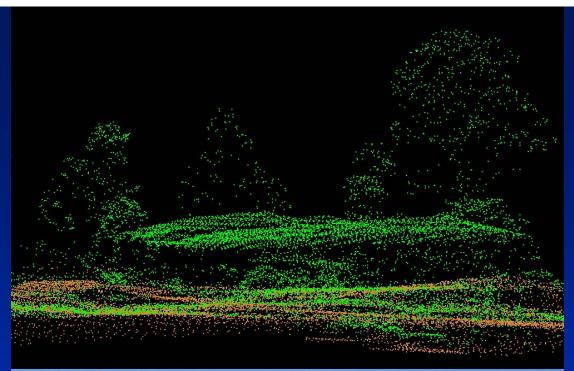




Vegetation Structure

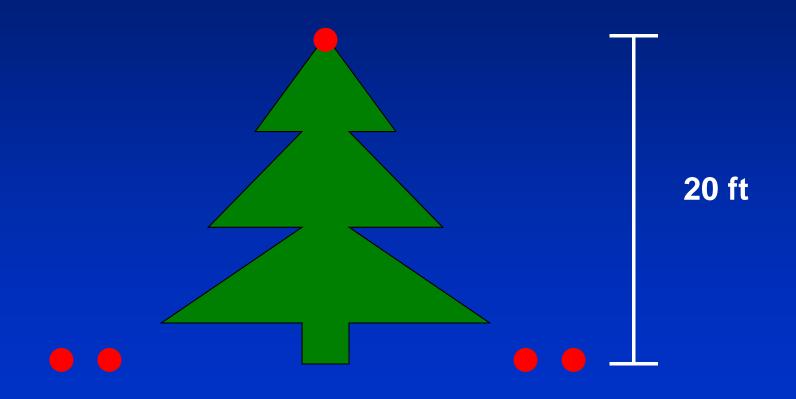




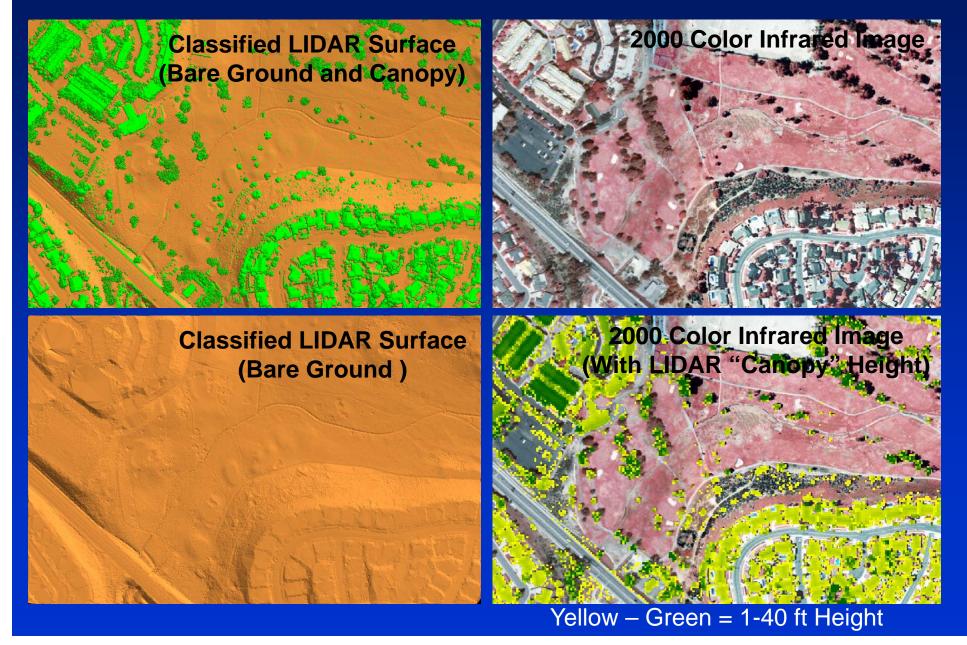




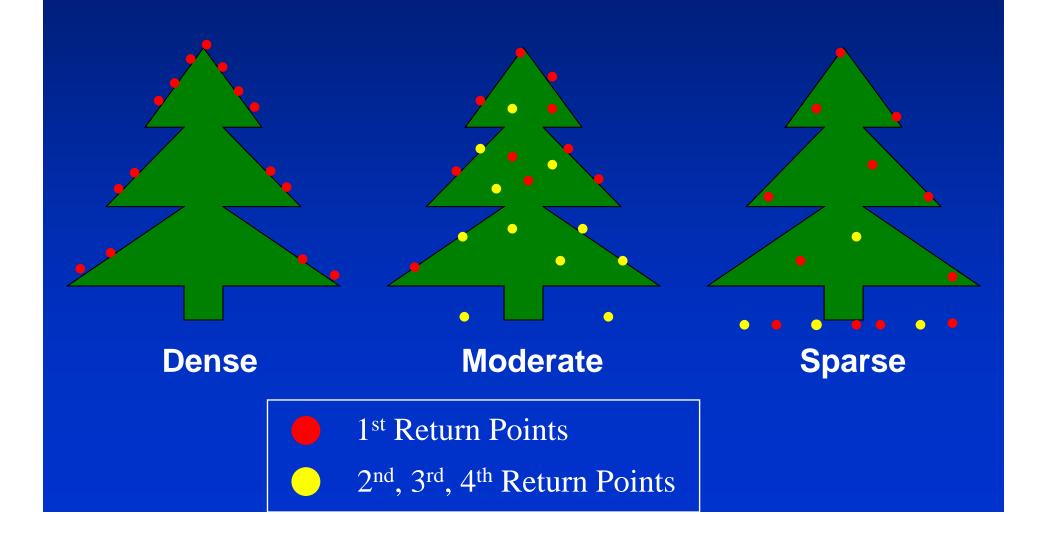
Vegetation Height

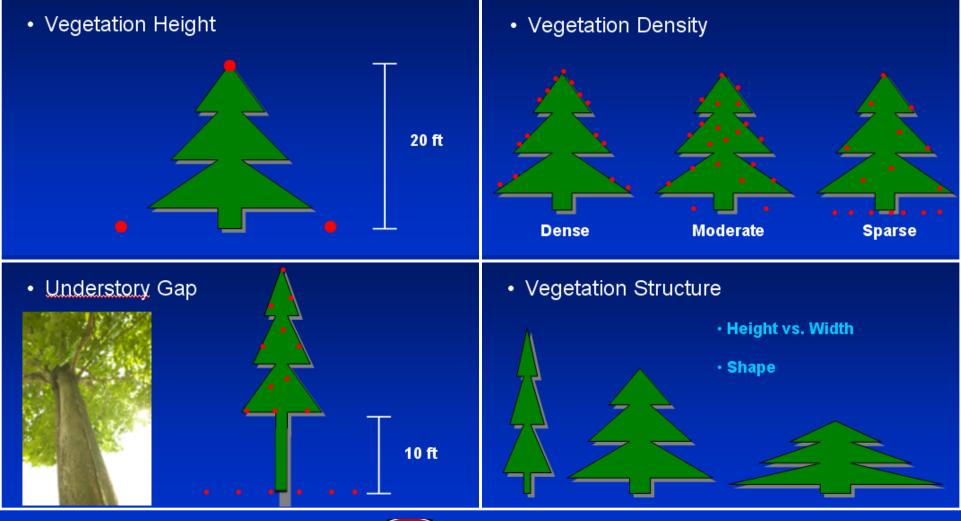




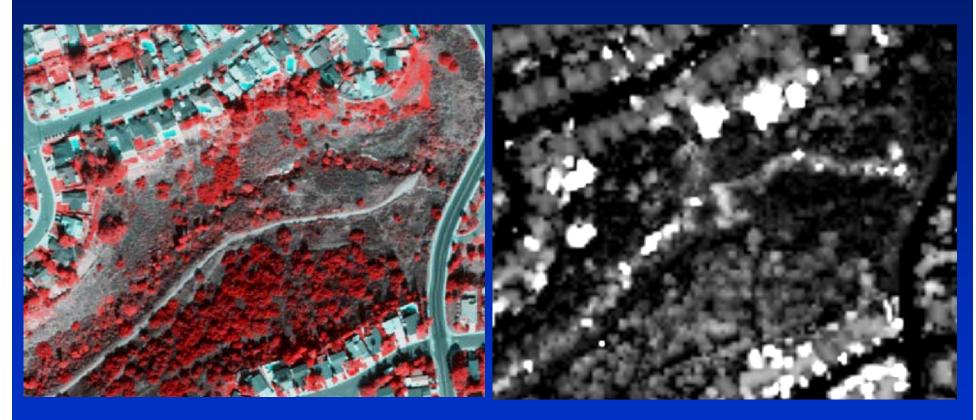


Vegetation Density (% Canopy, % Not 1st Return)



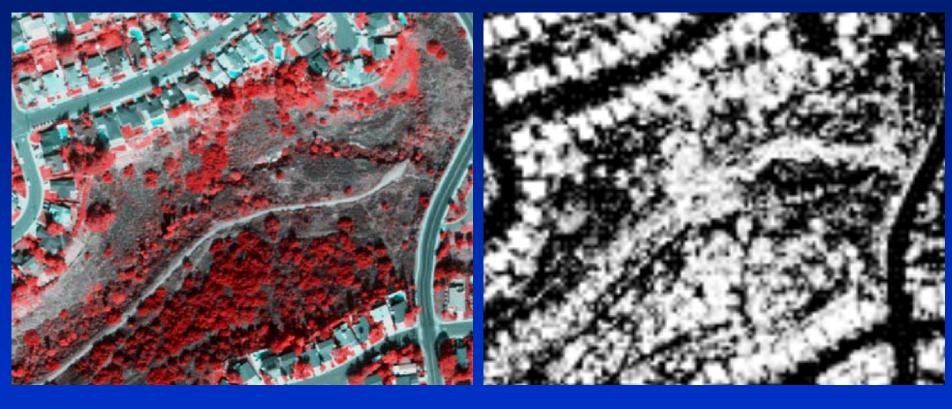






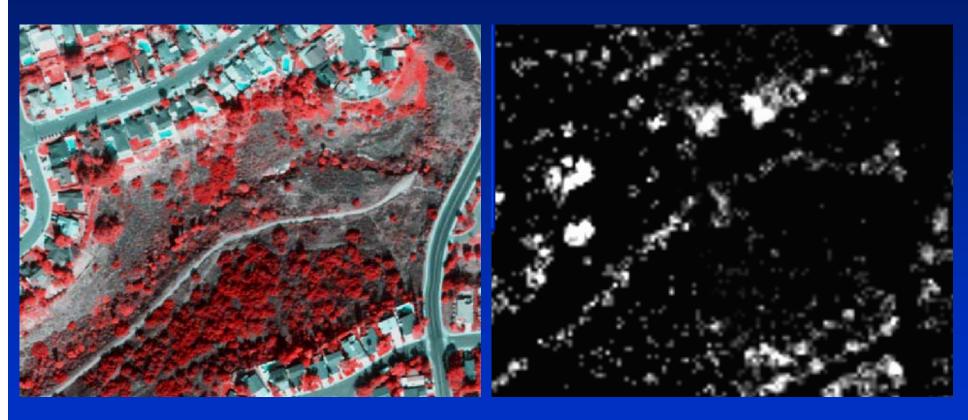
ADS40 Image

Maximum Height



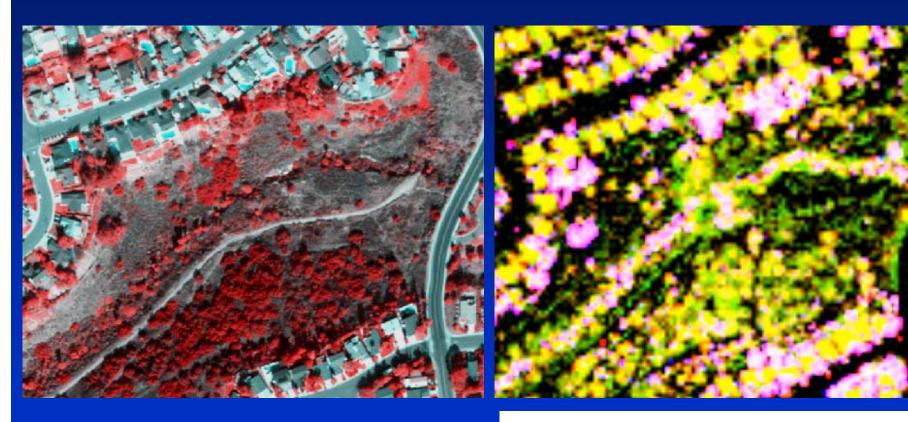
ADS40 Image

% Canopy



ADS40 Image

% Not 1st Return



ADS40 Image

Red: Maximum Height

Green: % Canopy

Blue: % Not 1st Return

LIDAR Intensity - Applications

- GIS systems
 - Backdrop imagery
 - Verify planimetric accuracy of existing images and GIS data
 - Updating GIS layers
- Natural resource management
 - Presence/absence of vegetation
 - Vegetation condition
 - Recent soil disturbance