

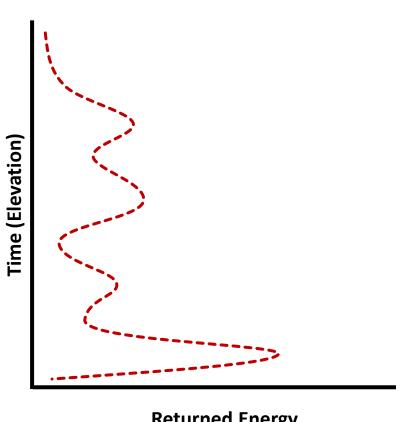
http://lwasser.github.io/NEON_HigherEd/

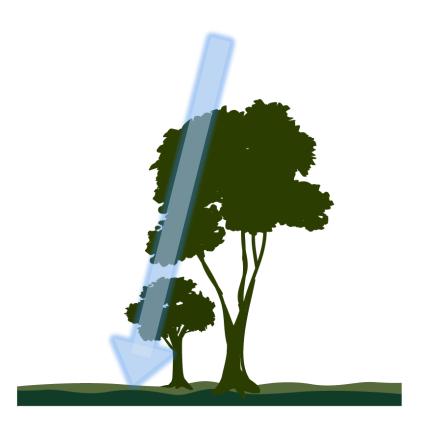
For some overview videos about LiDAR data...





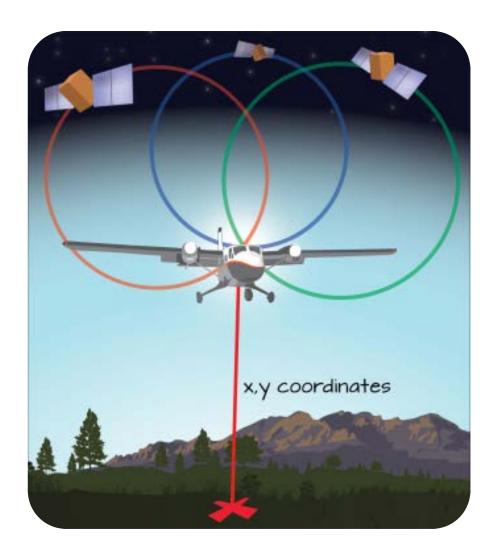




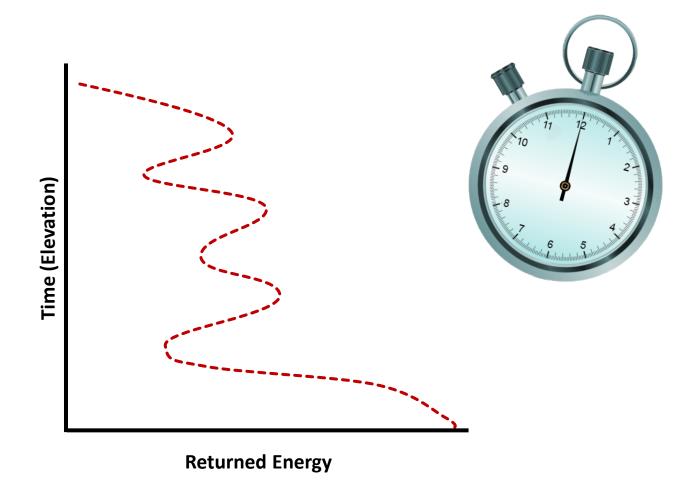


Returned Energy

LiDAR Records Geographic Location of Returns

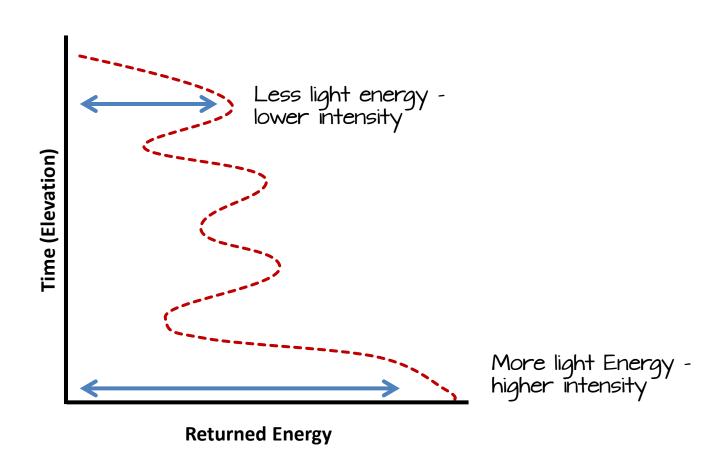


LiDAR Records Travel Time



LiDAR Records

Amount of Light (Intensity)



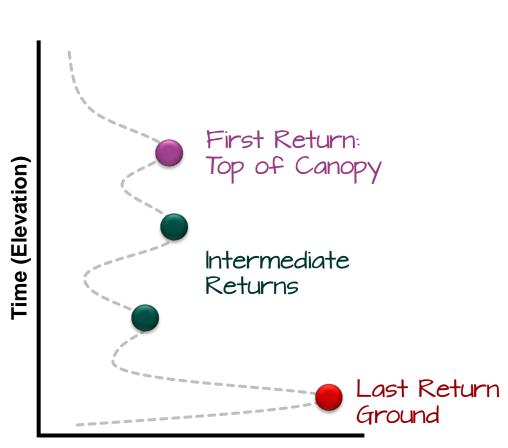
LiDAR Data Provides X,Y,Z + Intensity

- 1. Geographic Location (x,y)
- 2. Travel Time (elevation / z)
- 3. Amount of light (intensity)





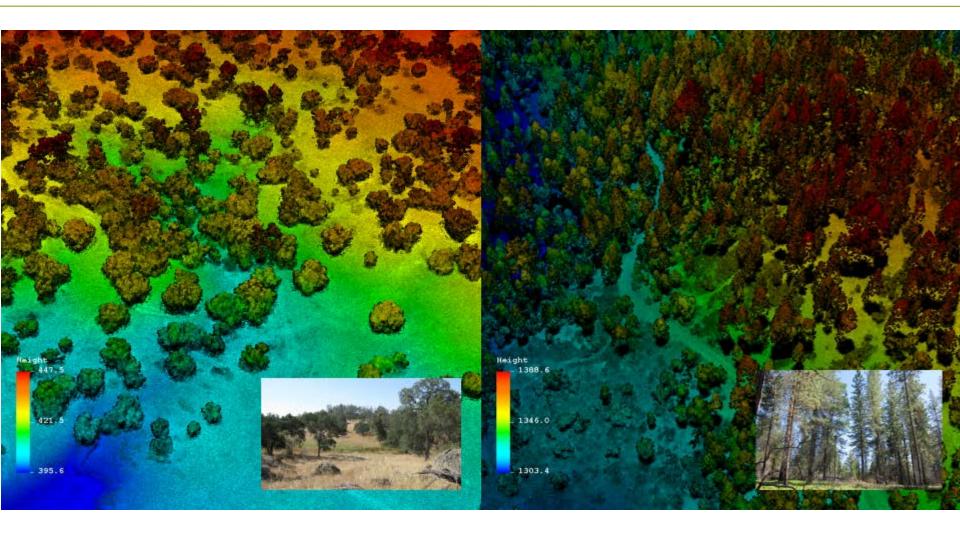
Discrete LiDAR - Multiple Returns



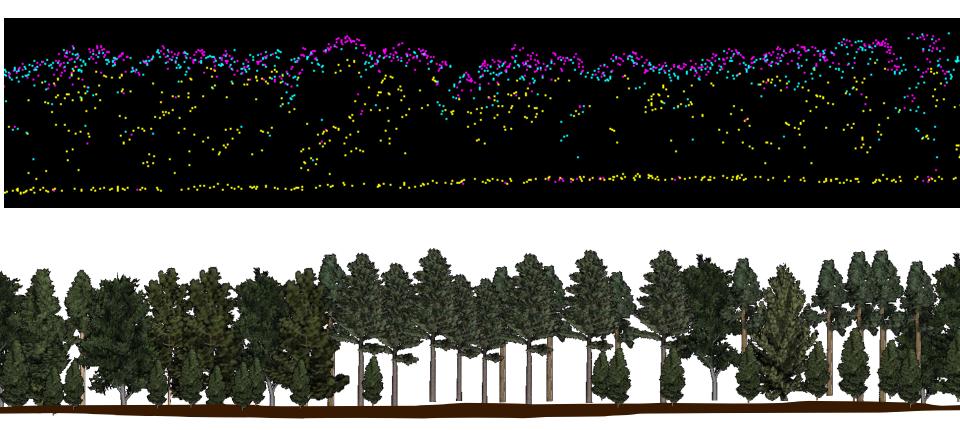


Returned Energy

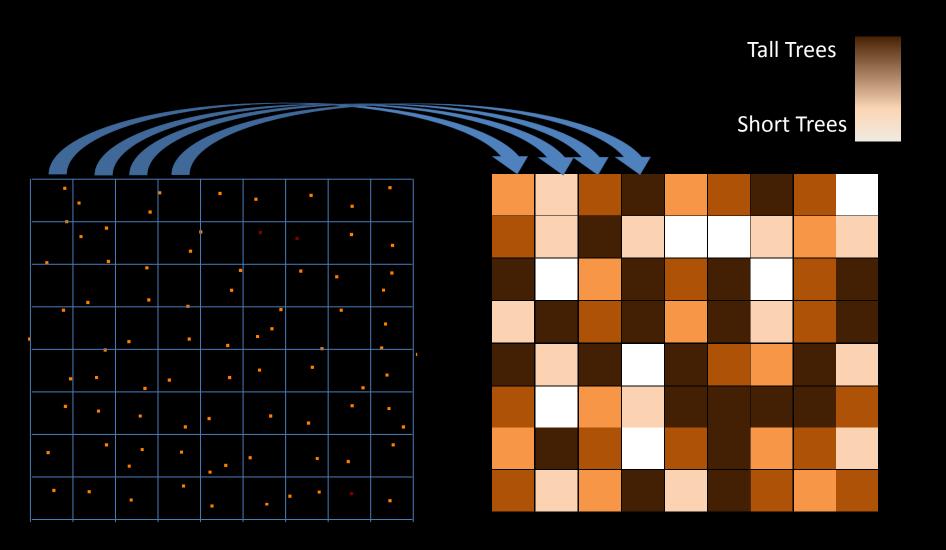
Discrete LiDAR



Plas.io



We Derive Rasters From LiDAR Data

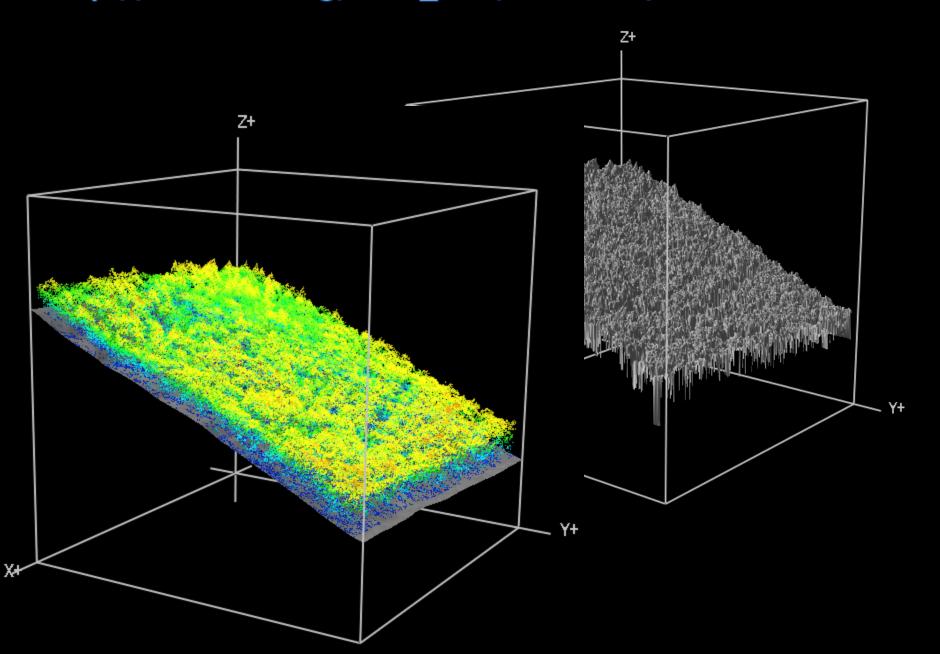


PLAS.IO

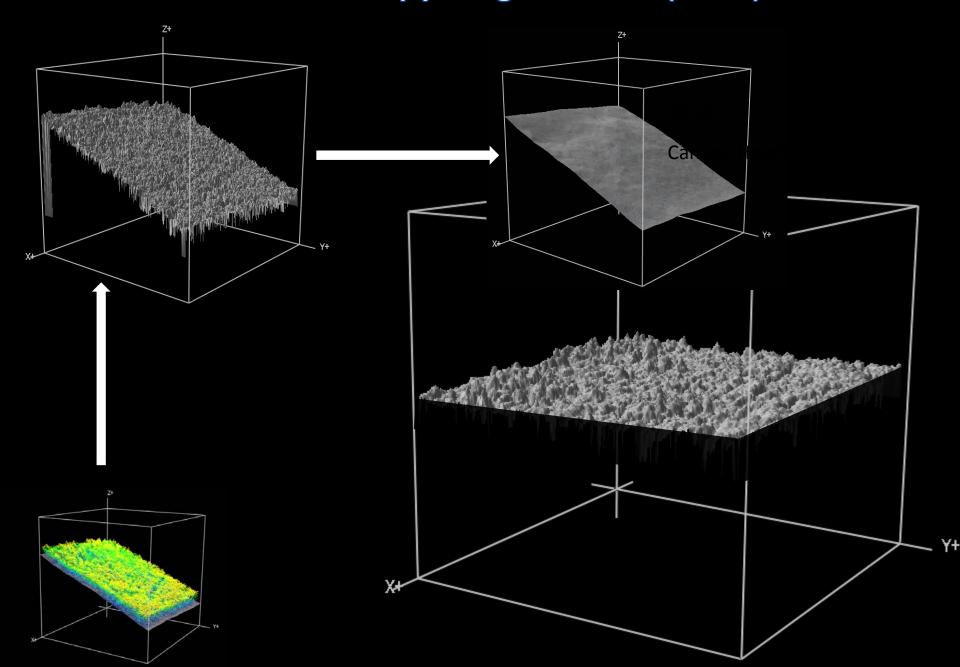
Let's check out some LiDAR data before going any further.

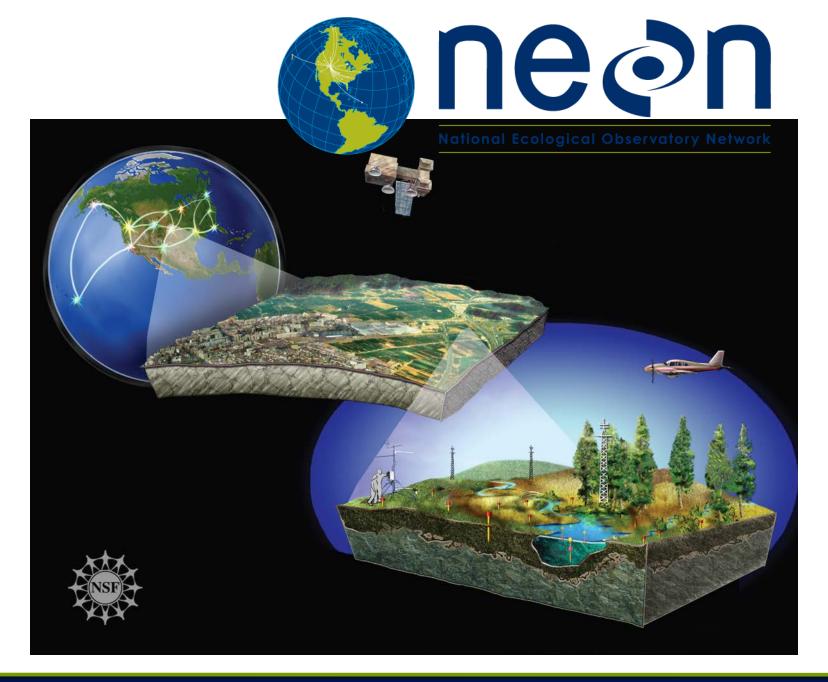


http://neoninc.org/leah_test/ESA2014/DTM.html



DSM – DEM = Canopy Height Model (CHM)







www.neoninc.org

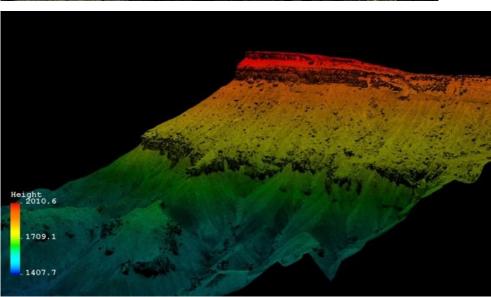


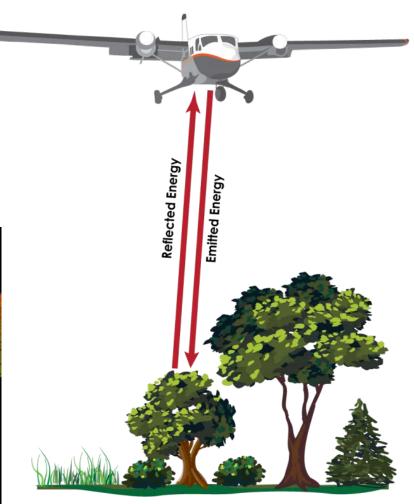




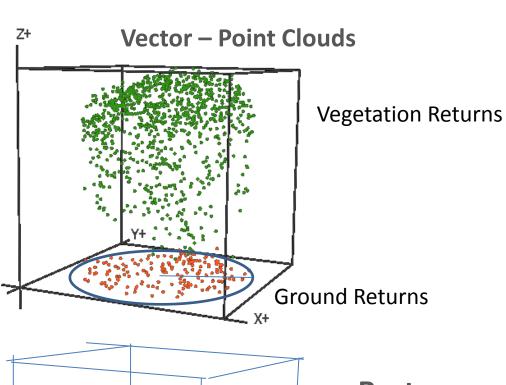
Science and Geolocation with LiDAR

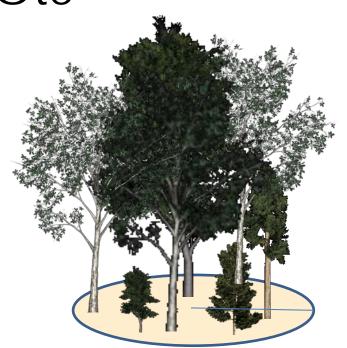


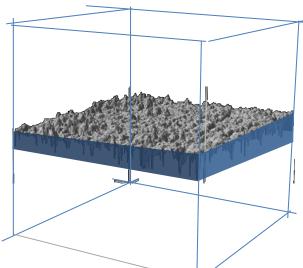




LiDAR Data Products







Raster