

Piute Ponds, Edwards AFB: The world's most convenient AirSWOT calibration/validation site (L.C. Smith, UCLA)



With field work by Colin Gleason, Lincoln Pitcher, Kang Yang, Vena Chu, Oliwia Baney, Adam LeWinter, Tamlin Pavelsky, Timothy Johnston, Tom Gillespie, Mia Bennett, Elizabeth Clark, Jochen Shubert, Claire Michailovsky, Ernesto Rodriguez...





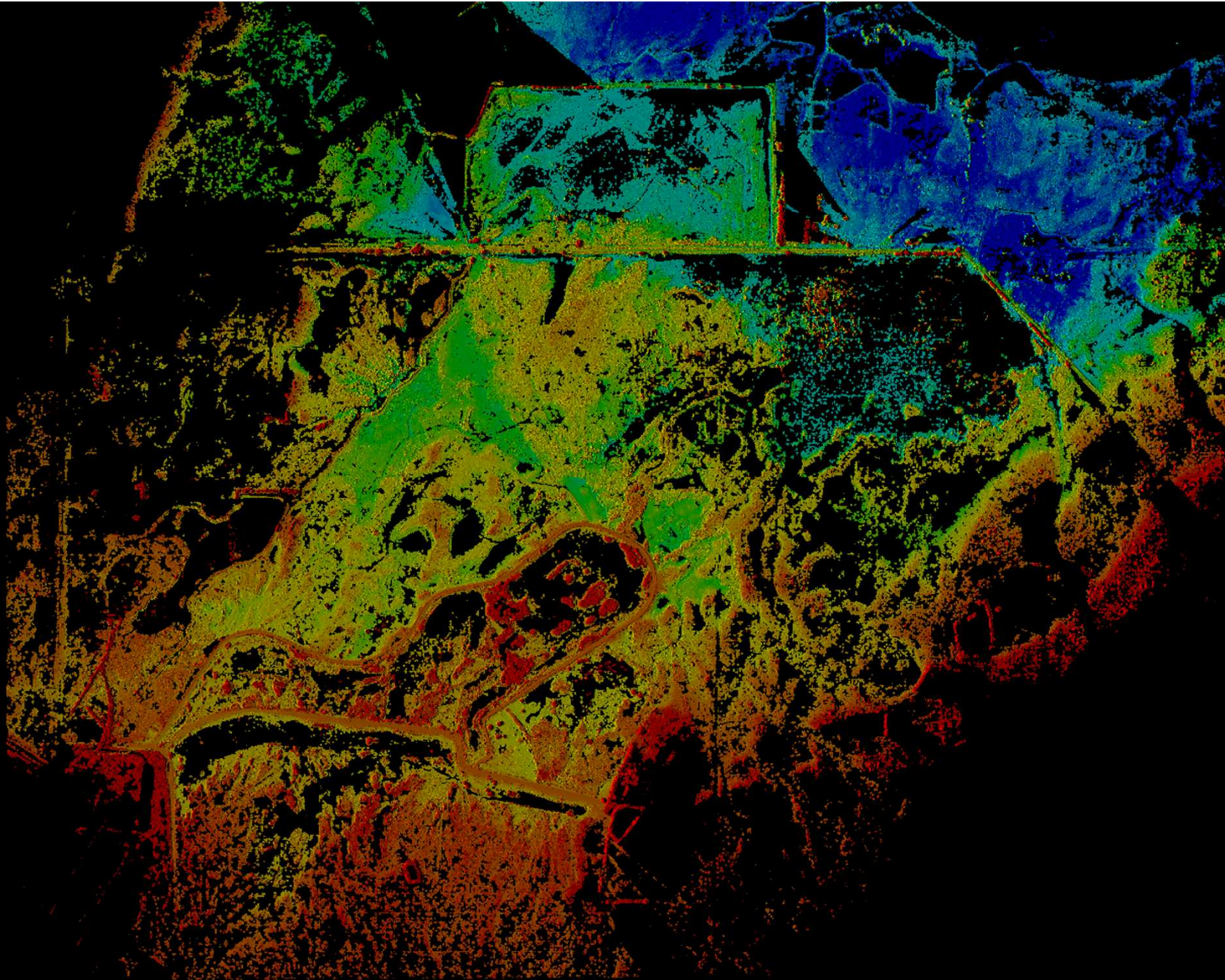






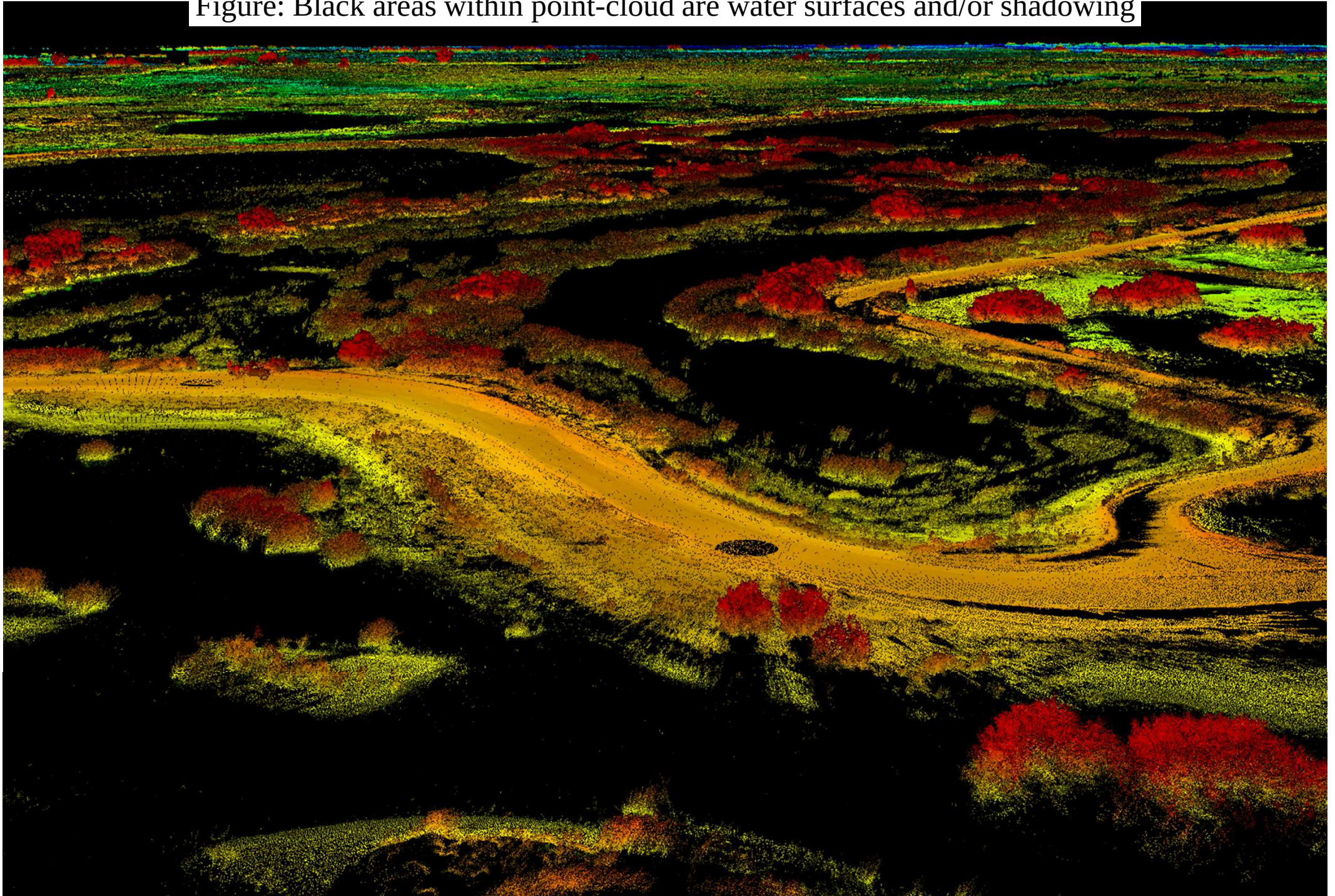
Piute Ponds TLS: 25cm DEM

Figure: DEM colored by combined height (blue-to-red) and surface reflectance (dark-to-light)



Piute Ponds TLS point-cloud data

Figure: Black areas within point-cloud are water surfaces and/or shadowing



Piute Ponds TLS: flooded vegetation heights

- False returns below waterline removed
- Combination of automated and manual filtering

