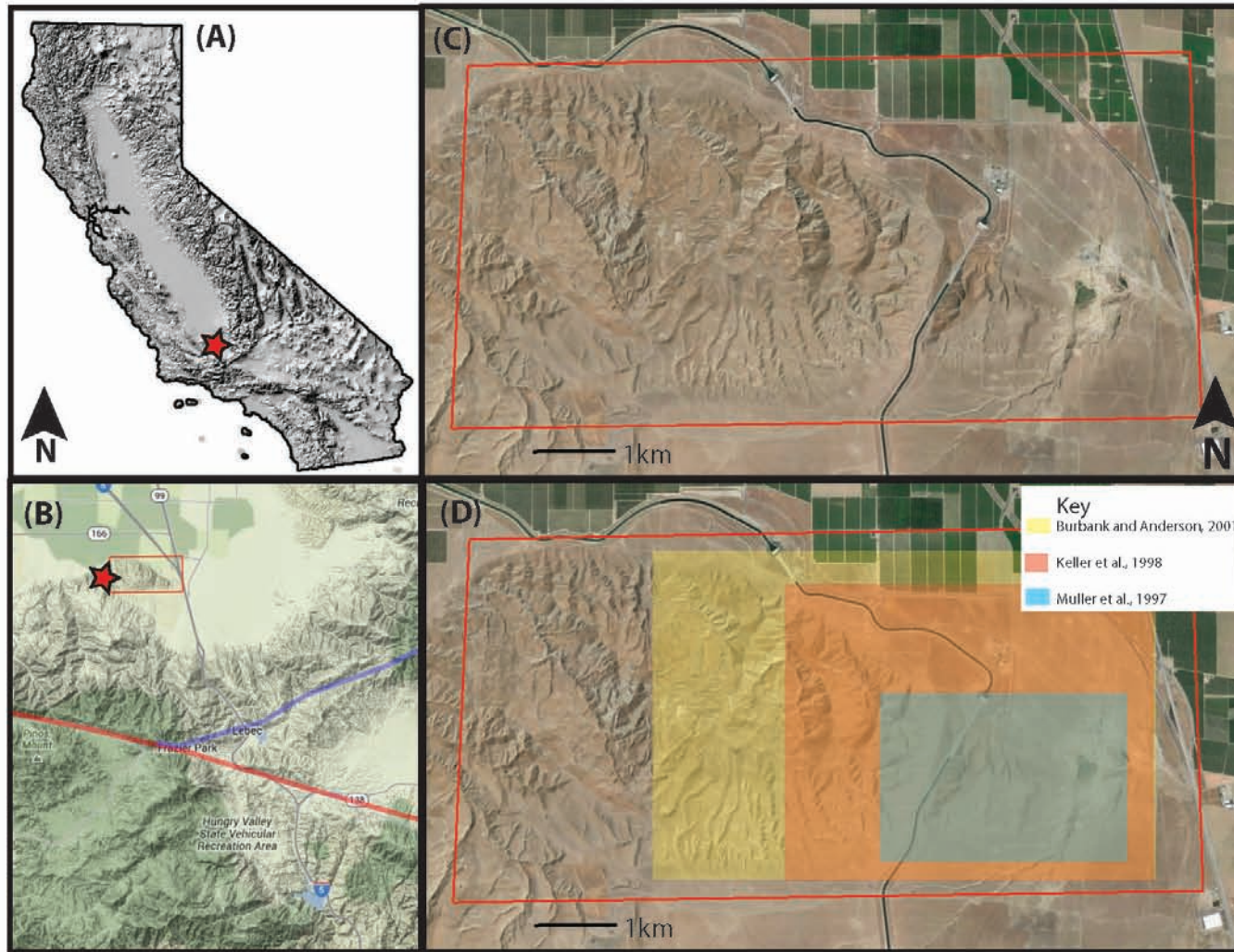
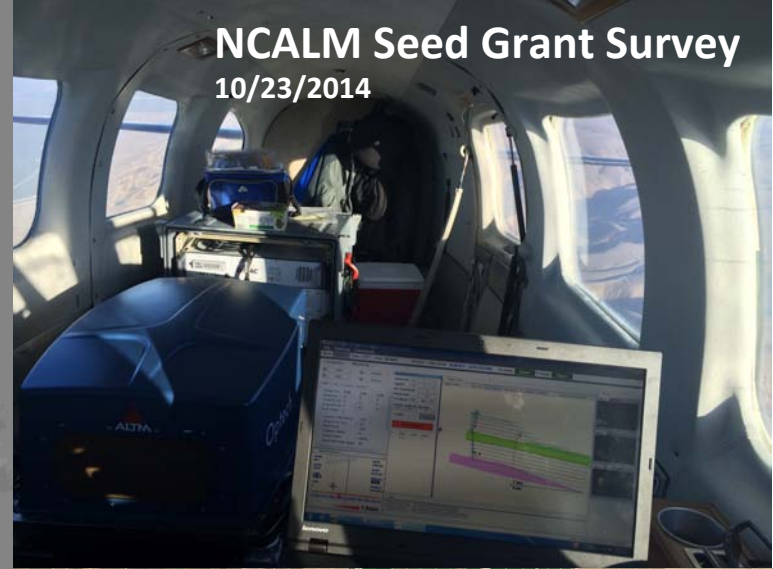
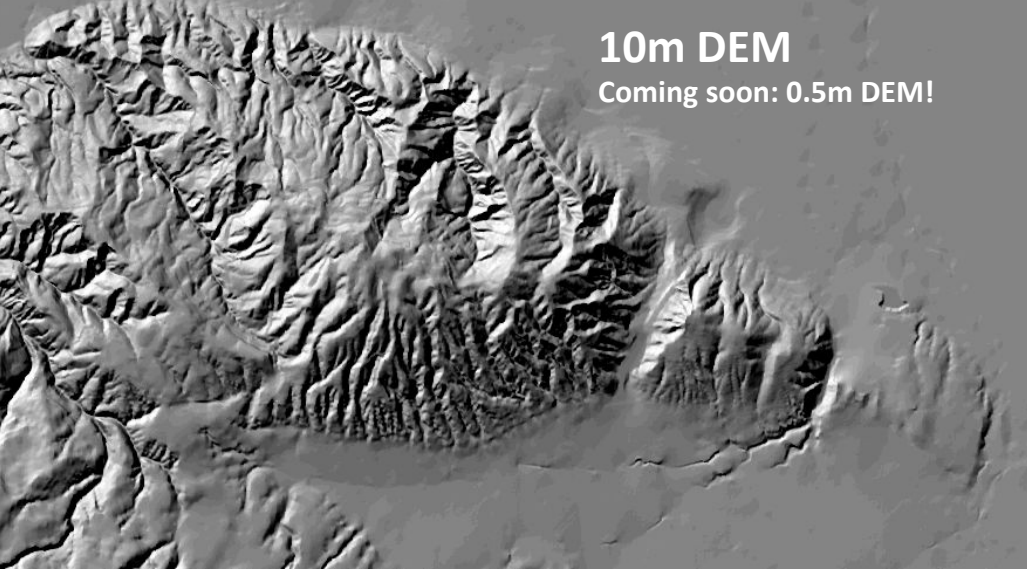


Geomorphic Evolution of Wheeler Ridge, California: New Insights from High Resolution Topographic Data and Cosmogenic Dating

Emily Kleber, J Ramon Arrowsmith, Arizona State University





GOALS

1. Building on previous studies, update and test techniques to use meter to sub-meter topography as a metric for the uplift signal and geomorphic response.
2. Refine the timing of erosion, uplift and fold propagation by dating surfaces exposed by previous faulting.



Tools:

- October 2014- Airborne lidar via NCALM Seed Grant (delivery within days)
- November 2014- Field survey, sample collection
- Winter 2015- Cosmogenic sample processing for erosion rates and surface dating