

San Bernardino Basin Expt 201710

The following brief report on GPS locks/drift corrections was prepared after harvesting experiment data from PASSCAL ZLand 3C nodes and lab testing of those nodes.

Nodes were initially deployed with the HHTs all at one location, not at individual station sites in the field. The nodes acquired GPS and started recording at that first location. Then, while still running, the nodes were moved to the field locations. The nodes were started approximately 2017/02/18 17:00:00 UT and stopped 2017/03/25 19:00:00 UT approximately at the original location, and “useful” data was acquired at the field locations from ~2017/02/19 15:00:00 UT to ~2017/03/25 17:00:00 UT. Only data from the “useful” time span is being archived at the DMC.

When the nodes were moved from the location where they initially obtained GPS lock, most of the units stopped getting GPS locks thereafter. Most had stopped by ~2017/02/19 17:00:00. However, there were a few units that did, intermittently, get GPS locks and make drift corrections until the end, or close to the end, of the experiment.