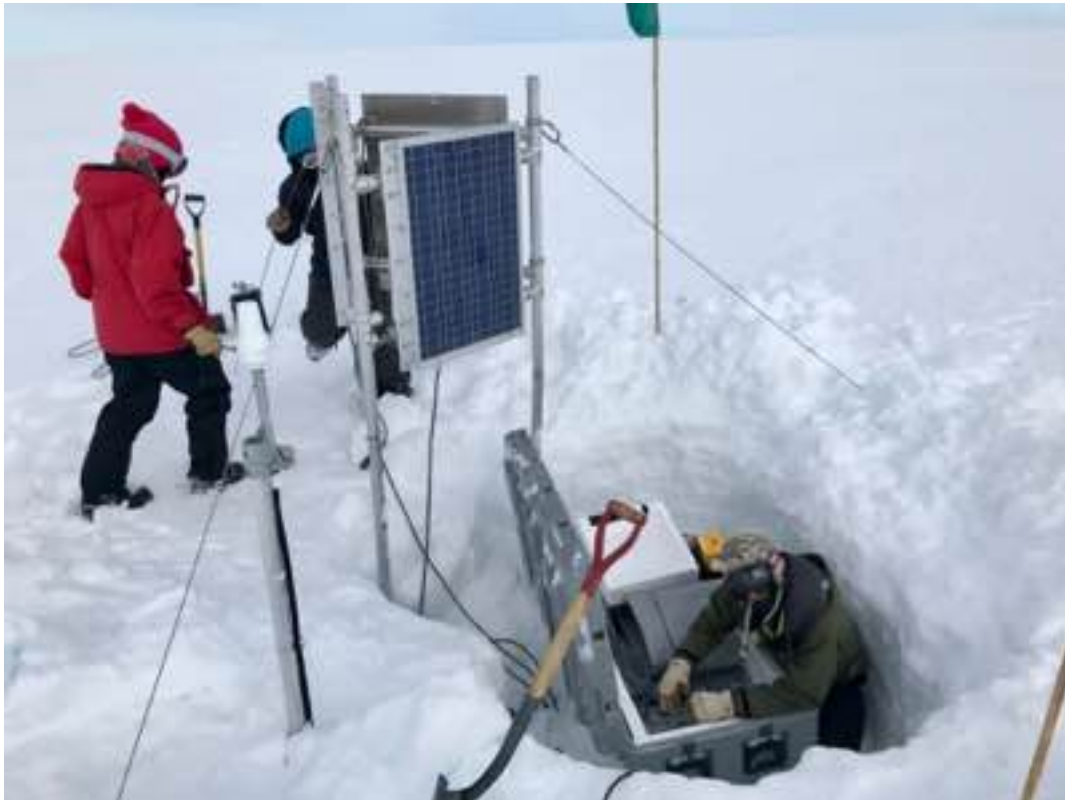


SALSA Field Report: 20 Dec 2018. Compiled by Matt Siegfried.

SALSA Geophysics/SALSA EM, Location: Whillans Subglacial Lake

- Windless, partly cloudy weather this morning worsened through the day, with thicker clouds, flatter light, and increasing winds.
- The SALSA EM plan for the day: Recover K21, deploy G21, recover K18 and O18, deploy K08 and I08. A fairly typical day, turning three MT stations to finish our fourth cross-flow line and start in on our fifth.
- The day went to plan. We got back early enough to service the long-term continuous GPS station 200 m from camp. This station requires the most work of any of the eight GPS stations this year after two years of deferred maintenance. The battery box (weighing a slim 1000 lbs) hadn't been brought the surface since January 2013 and the solar panels were an old, difficult to service design left over from 2010. We brought the whole station to the service, changed the solar panel configuration, and re-anchored the panels. Two of eight GPS stations serviced. One more will be serviced before we integrate into SALSA Camp, and the final five will be done as day trips from the borehole.
- Winds kicked up over 30 knots after dinner, putting tomorrow's work into question. If the weather is good enough, we'll turn three more stations to fully occupy our fifth cross-flow line. At that point, we'll just need one day of good weather to finish our SLW EM survey.



Matt kneels in the pit to disconnect the GPS electronics while Chloe gets ready to unmount solar panels.