

SALSA Field Report: 4 Dec 2018. Compiled by Matt Siegfried.

SALSA Geophysics/SALSA EM, Location: Camp 20

- Nice weather held through the night and we woke up to a warm, 28F windless morning. We all prepped our gear in our base layers trying to keep from sweating to start the day.
- Our day was fairly straight forward: put new batteries on all six MT stations so that they can record through the good weather. We accomplished this task efficiently, though discovered one of the stations has anomalously noisy data. Investigation into the cause is on-going.
- Our route today took us past an old radar-sounding location where Oliver Marsh (now at British Antarctic Survey) and Matt performed repeat measurements to quantify ice-shelf basal melt rates over a few weeks during the 2014-2015 field season (recently published in Carolyn Begeman's JGR paper). Matt took a new sounding at that site to capture the long-term melt rate over the past four years.
- After a relatively easy, and highly successful day, we got back to camp in time to watch the SALSA Traverse arrive. New neighbors! To welcome them to the neighborhood, Chloe baked fresh cookies, which we walked over before dinner. Steve Z, traverse supervisor, rustled up a chocolate cake to return the favor.
- Tomorrow is our last day to install new MT stations before we have to dig them all up in preparation for our move to Whillans Subglacial Lake.



Kerry can't contain his excitement about the data quality we recorded in the short period of good weather the station had been out, while Matt sunbathed.



Chloe gives Steve Z welcome to the neighborhood cookies after they arrived at Camp 20.