

**Wissard Science Reports  
2013-14 Field Season**



Prepared by on-ice WISSARD-lite PI (Dr. Slawek Tulaczyk, UCSC, C-521/525)

Field Location: Subglacial Lake Whillans area

Field Personnel:

Slawek Tulaczyk, Matt Siegfried, Carolyn Branecky, Grace Barcheck, Neil Foley, Doug Bloomquist

-- December 30, 2013 --

In the morning, Grace Barcheck, Doug Bloomquist, Carolyn Branecky and Matt Siegfried went to the second GPS station located on Subglacial Lake Whillans and dug it completely up to bring to the CRE SIS camp.

Neil Foley and Slawek Tulaczyk spent the morning opening all UCSC wooden crates and performing detailed inventory of the contents. The boxes were sorted into two piles, one with equipment going this season with the drill and the other one for equipment which will overwinter at SLW berms.

In the afternoon, Grace Barcheck, Doug Bloomquist and Neil Foley went back to the SLW borehole to perform an active-source seismic reflection survey using a sledgehammer as the source of seismic waves. The source location was moved from about 1000m away from the borehole to the borehole itself in 100m increments. Data was recorded by using seismic receivers emplaced in the SLW borehole as well as one surface seismic unit. Later examination of the data showed that basal reflection is visible even in the surface unit.

Carolyn Branecky, Matt Siegfried, and Slawek Tulaczyk went to the WISSARD sediment lab to retrieve the NIU multicorer and UCSC borehole piston corer which need to be shipped north for use on other projects in 2014.