WISSARD BOREHOLE DRILL CONTRACTOR (WBDC)
DAILY REPORT FOR 4 JANUARY 2013
USAP Event C-524-M

1) Health, Safety & Environment
   No reportable incidents.

2) McMurdo Operations
   • Personnel on Site:
     Dar Gibson, Graham Roberts, Chad Carpenter, Daren Blythe, Justin Burnett, Jeff
     Lemery, Dennis Duling, Robin Bolsey
   • Summary:
     - General: Report generated on roving drill inventory, status, and layout concepts (see
       email from Jeff); some parts set aside for return to Lincoln. DNF cargo going to SLW
       submitted to Science Cargo for processing along with personnel sleep kits. Work
       with DOCTOR (Downhole Optical Caliper Tool for Observing Roundness) ongoing:
       Whisker concepts being mocked up and evaluated, as well as familiarization w/ video
       camera operation. Software configuration of ANDRILL Mac laptops checked for
       interfacing w/ Sony and GoPro video cameras (see below). Drill personnel gathering
       personal effects together for insertion into cargo stream for flights to SLW.
     - Plans for the operational procedures for making the borehole are evolving as
       discussions continue w/ the science team. Details to follow.

3) Upcoming Events/Tasking:
   • Wrap up work on roving drill and pack tools for insertion into cargo system for transport
     to SLW; plan for deep field drill operations. Pack any cargo not associated with main drill
     that will be returning to Lincoln.

4) General Issues:
   • It was realized that the Sony video camera supplied with the DOCTOR may not have
     enough record time (60 minutes per cassette) to reach the bottom of the borehole at
     moderate reel unwind speeds. (We will be using Robin's cable reel to lower the
     DOCTOR, and he claims it can lower at a meter per second, but this may be an
     undesirable speed for the DOCTOR.) A GoPro camera with 3 hours of recording time
     is available from one of the science teams; we are planning on using this as the
     primary camera for the DOCTOR, which will allow a greater choice of descent speeds.
The Sony will serve as a backup camera that will require \( \geq 14 \) meters per minute descent speed in order to record the entire hole.

- Ross Powell is bringing a Kiwi extension cord back from NZ that will be modified to charge the DOCTOR's LED light battery using a U.S. 240V outlet.

5) Weather Conditions

- Temperatures ranged between 25 and 35ºF during the day. Sunny w/ light winds.

6) Vehicles/Generators

- Vehicles in use: None.
- Generators in use: All gens packed for traverse.

7) ASC Interfacing

- Meeting of science & drill teams with ASC camp management personnel to discuss general (residential) camp layout and operations.

8) Cargo

No cargo delivered today. Outgoing cargo activities described above.

Compiled by Daren Blythe for the WISSARD drill team