

# SITREP 10, January 20, 2013; Day 59 at WAIS Divide

Donald Voigt, SCO Rep., Chief Scientist at WAIS Divide

- I. Passenger movements
  - A. SCO
    - 1. N/A
  - B. IDDO
    - 1. Linda Morris arrived on D027.
- II. Cargo Movements
  - A. No project cargo arrived from McMurdo
  - B. Retro; Continue to retro un-needed equipment and supplies as we find it. Collected BFC gear not being used for retro. Retro pallet blankets destined for NICL.
- III. Camp Activities
  - A. Current camp population; 46 total. 11 T-350, 4 I-477, 4 G-079 (PoleNet), 22 ASC (5 transitioning to PIG), 3 T-500 (KBA), 2 O-283 (AWS).
  - B. Saturday Safety meeting; After the camp End-of-week Review we discussed prevention of back injuries and how to avoid sleep deprivation due to the 24 hours of sunlight we receive.
  - C. All three access-ways to the Arch remain open.
  - D. Elizabeth Morton (IDDO Safety Officer) and I continue to inspect the Arch and surroundings for Safety issues.
  - E. Camp remains in very good condition thanks to continuous grooming and attention by the camp staff.
  - F. The skiway remains in good condition.
  - G. The generators are running normal except that the switch gear is not on line.
  - H. The correct parts for the generator are still on the way.
  - I. The freezers are running normally and temperature has reached -25°C to -28°C. Trays are emptied every 8 hours.

#### IV. Status of Drilling

- A. From Jay Johnson; “On Sunday, 1/13/13, the logging tool test on the third deviation was run. The 29lb (129N) dummy logging tool was again attached to the 10m tether below the camera. The tool was lowered through the deviation, 2204m to 2221m, at 0.05 m/s. The total variation in WOB was 16N. We continued to lower tool down to 2248m to verify the verify the logging tool would pass by opening between the parent hole and the deviated bore. In this area the WOB varied by up to 151N. From the video we were able to verify the low side wall is smooth, the deviation is on the high side, and that the WOB variation was due to the drill stick-slipping. My conclusion is the dummy logging tool passed the test.” I concurred with Jay’s conclusion and we proceeded on.
- B. Finished Replicate core #3 on Tuesday morning during third shift at a field measured depth of 2290.95 meters.
- C. Immediately began forming the notch for deviation #4.
- D. Attempted first core Friday morning.
- E. Successfully started #4 at 1:00 with one-meter barrel. Fully round at 1952.65 meters depth.
- F. Stopped drilling at 3:00 Saturday at a depth of 1968.65 meters; 15 cores in 14 runs.
- G. Tool test and camera run on deviation #4 started at noon on Sunday
- H. Drilling resumed at 3:00 on Sunday after a 24 hour stand-down.

- V. Flights; McMurdo suffered a large storm on Monday night which shut down Pegasus till late on Tuesday. Our Monday flight, when they finally got airborne, returned due to the McMurdo weather and spent the night at WSD. The start of C-17 flights from ChC to MCM has been moved back because of conditions at Pegasus.

Monday; D027 arrived, cargo, fuel (2500 gallons) and pax

Tuesday; D027R finally departed and took with it 1500 gallons and pax

Thursday; D028, fuel (much needed)

Friday; PIG flight diverted to WSD. Gave us fuel and 5 pax destined for PIG.  
Our Primary flight was CNX due to fog.

VI. Other

- A. Assisted Linda Morris (IDPO under T-350) with her work at WAIS Divide.
- B. Gave an Arch tour to the ANG air crew who spent Monday night at WSD and to three other groups.
- C. Received two ISC boxes of ice core from PIG for Sarah Das. I was not expecting this core and will have to ship it loose on the cold deck as it is not being shipped to NICL. The boxes were in horrid condition and I repacked the core into new boxes.
- D. Masha T gave a science talk on Wednesday night