



PROJECT SITUATION REPORT

Project:	DISC Drill Test-Summit Greenland		
Project Manager:	Alex Shturmakov		
Report No:	10	For period:	6-26-06 through 7-01-06
Prepared by:	Jay Johnson	Date:	7-02-06

Weather Conditions: Temperature range -25°C to -5°C , wind 3 to 21 knots.

ICDS Personnel on Site:	Jay Johnson Kristina Dahnert Michael Jayred Bill Mason Nicolai Mortensen Paul Sendelbach Scott Haman John Fowler
Other Personnel on Site:	

ACTIVITIES DURING PERIOD

- Drilling – This week we drilled a total of 79.869 meters. The bore hole depth is 698.723 meters. Average core length was 2.41 meters. The longest core drilled this week was 2.567 meters. Between the depths of 638.35 and 633.72 three ~2 meter cores were saved by NICL to be possibly used for our brittle ice acceptance test. Our intent is to drill three more cores to replace these when we hit 730 meters. The first three cores were saved in case something was to happen causing us to discontinue drilling before reaching 730 meters. We are starting to see more cores with a fracture in them when they are pushed from the core barrel. However, it is rare to see more than one fracture in a 2.5 meter core. We have yet to see core with poker chipping.
- Cutters - I modified a set of cutters by adding a ~1mm radius to the inside corner. NICL reported seeing very little change in the number or orientation of surface fractures on the cores drilled with these cutters as compared to cores drilled with sharp corner cutters.
- Core orientation – This week we tested and verified that we are able to orientate core breaks using instrumentation.
- Instrument section J – We have been running this section all week. One of the micro controllers continues to require several attempts to come on line. We only have to power it up in the morning and then it's left on all day. Once

it is booted up it will stay running. This instrument section has been working well otherwise.

- Instrument section K – Nicolai spent most of the week inspecting, cleaning, and repairing the electronics. He has completed the repairs and it is ready to be tested. To do a full test we will have to install it in the drill.
- Work schedule – We switched back to one shift this week. This has put our drilling pace and fluid usage on track to complete the last of the drilling and testing by July 13th.
- Power monitoring – On Friday Nicolai set up a data logger in Lab View to log power usage from our CT monitor. Next week we will collect data.

COMMENTS
(Problems, Concerns, Recommendations, Etc.)