Mont Terri Rock Laboratory

Field report: November 29 – December 5, 2021 (Phase 27)

Distribution

BN (Bitumen-Nitrate-Clay Interaction) experiment
- On Monday, S. Schefer (swisstopo) took the last sampling container from interval 3 and also removed the clay loop.
- On Tuesday, T. Theurillat (swisstopo) sent the samples to SCK°CEN.

GT (Gas Transport Models and the Behavior of OPA to Gas Pressure) experiment
- On Thursday, L. Schwab (Solexperts) performed a hydro test in interval 2 of BGT-10.

HS (Hydrogeological Survey of the Mont Terri Anticline) experiment
- On Thursday, D. Jaeggi (swisstopo) opened the valve in the morning and took a sample in the afternoon at 14:30. The sample will be analysed on Tritium at Hydroisotop and is the initial sample for the assessment of age and origin of the water out of Beggingen Member (interval 2 of BHS-1).

HT (Hydrogen Transfer in Opalinus Clay) experiment
- On Monday, Wednesday and Friday, T. Theurillat (swisstopo) took two water samples.

MH (Long-Term Monitoring of Heaves and Displacement) experiment
- From Monday to Friday, the PI S. Condamin, Y. Motzer and N. Trabucchi (swisstopo) performed a levelling survey of all the fixpoints inside the lab and the southern part of the safety gallery (Figure 1).

SW-A (Large-Scale Sandwich Seal in Opalinus Clay) experiment
- On Thursday, L. Schwab (Solexperts) fixed the data acquisition for a part of shaft 1 by disconnecting a faulty sensor in the cabinet (Figure 2). Next week the pressure will be increased by another bar.

Announcements
- The Visitor Center is closed now due to new COVID-19-regulations. Most of the Mont Terri team is working in home-office again.
- Access to the lab for scientific or maintenance missions is still possible. We like to remind you that all persons require a COVID-19-certificate (3G).
- The lab will be closed for winter break from December 20 to January 2.

Visits
- No visits took place this week.

D. Jaeggi and S. Schefer, December 5, 2021
Figure 1: MH: Levelling over the Main Fault in Ga08 (Photo: S. Condamin, swisstopo).

Figure 2: SW-A: L. Schwab found the faulty sensor and disconnected it (Photo: S. Schefer, swisstopo).