



2.1 Report on main EFB activities
since last meeting

ECORD Facility Board Meeting #4

EUROPEAN CONSORTIUM FOR
OCEAN RESEARCH DRILLING

June 15th-16th, 2016 Brussels, Belgium



ECORD Facility Board (EFB)

Report and Progress Update

ECORD Facility Board, Brussels, 15-16 June 2016

ECORD FB members:

- Science Board: **Gilles Lericolais (FRA), Chair**
Dominique Weis (CAN), Vice-chair
Gerald R. Dickens (USA)
Stephen Gallagher (AUS)
Karsten Gohl (GER), Chair 2012-2015
Fumio Inagaki (JAP)
- ECORD Executive Bureau (ECORD Council core members, EMA, ESO, ESSAC, E-ILP)
- Funding agencies (NSF, MEXT)

EFB membership and meeting issues

Science Board members who rotated off end of 2015:

Antonio Cattaneo (France)

Marta Torres (USA)

New Science Board members starting 1 Jan 2016:

Gilles Lericolais (France)

Stephen Gallagher (Australia)

Fumio Inagaki (Japan)

New Chair and Vice-Chair since 1 Jan 2016:

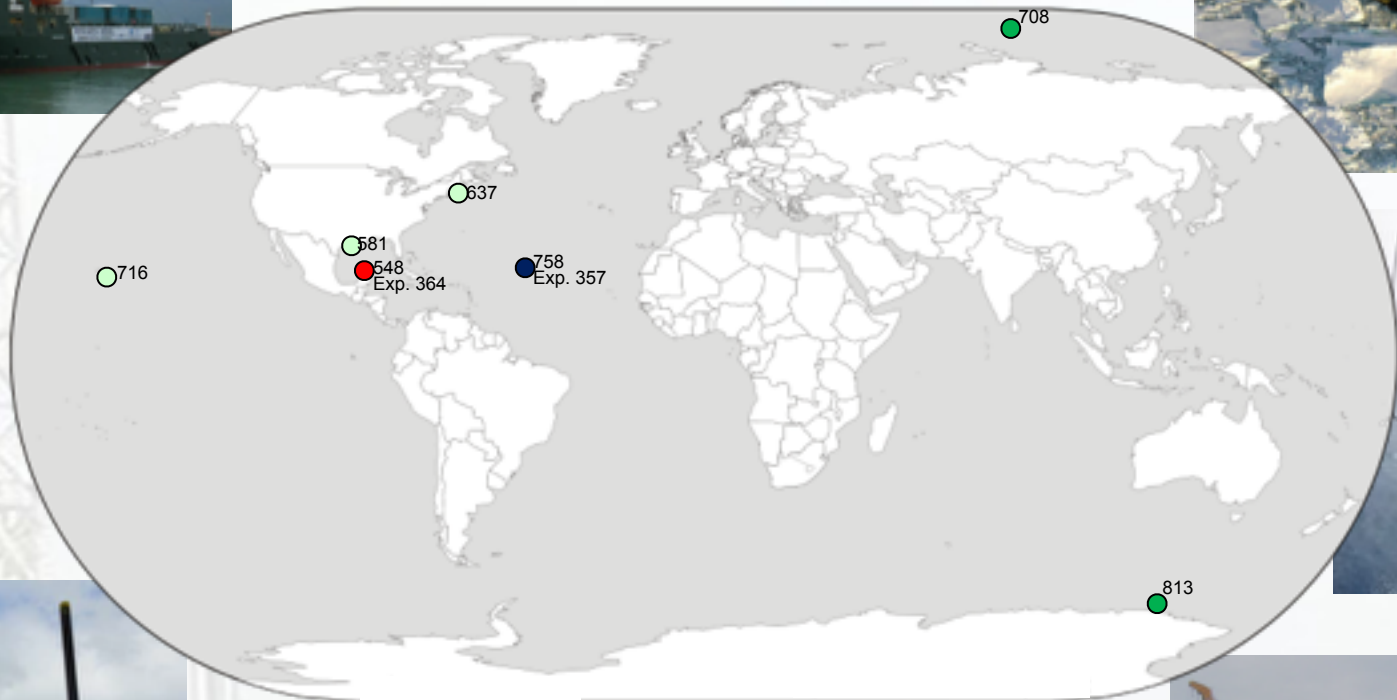
Chair: Gilles Lericolais (France) Vice-Chair: Dominique Weis (Canada)

Next EFB meeting:

2017 not decided yet

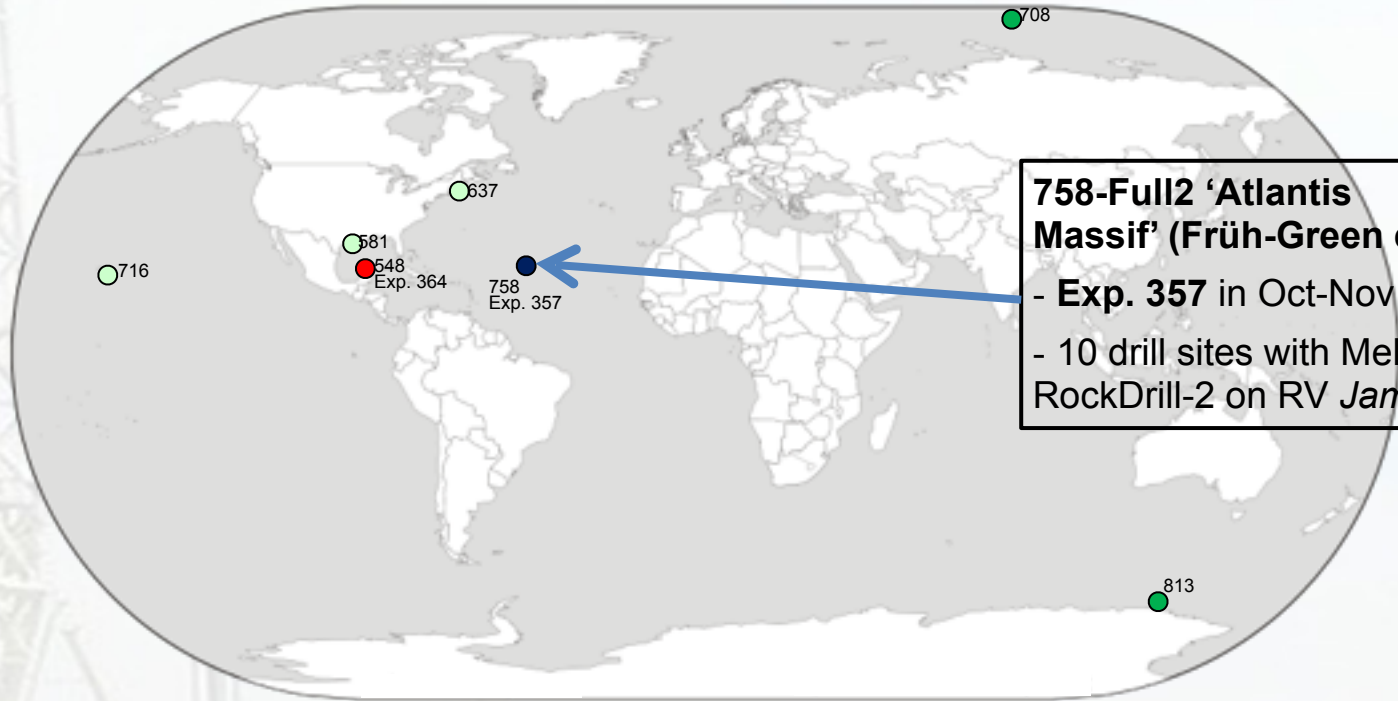
Mission-Specific Platform (MSP) proposals at EFB

- 2015 MSP expediions
- 2016 ongoing Expedition
- Scheduled MSP proposals
- MSP proposals in EFB waiting room



Mission-Specific Platform (MSP) proposals at EFB - Accomplished 2015 and 2016 -

- 2015 MSP expeditions
- 2016 MSP expeditions
- Scheduled MSP proposals
- MSP proposals in EFB waiting room

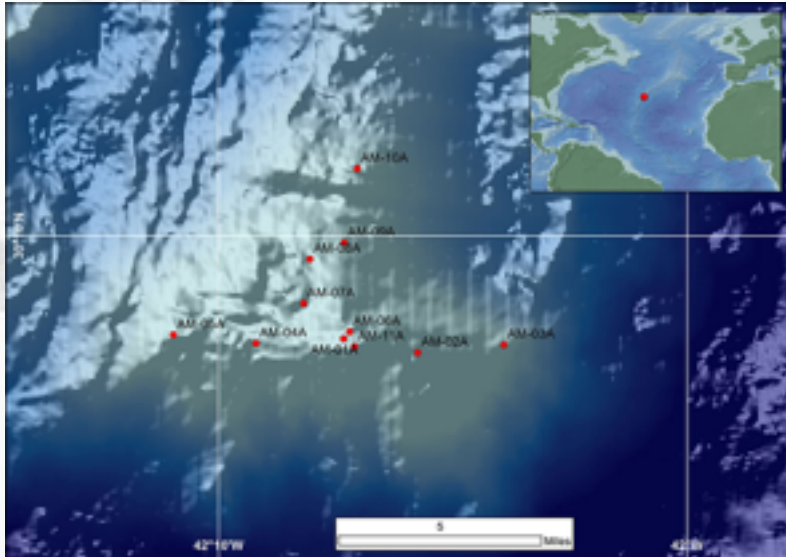


758-Full2 'Atlantis Massif' (Früh-Green et al.)

- Exp. 357 in Oct-Nov 2015
- 10 drill sites with MeBo70 and RockDrill-2 on RV *James Cook*

Exp 357-758-Full2 'Atlantis Massif' (Früh-Green et al.)

Atlantis Massif Serpentinization and Life Expedition



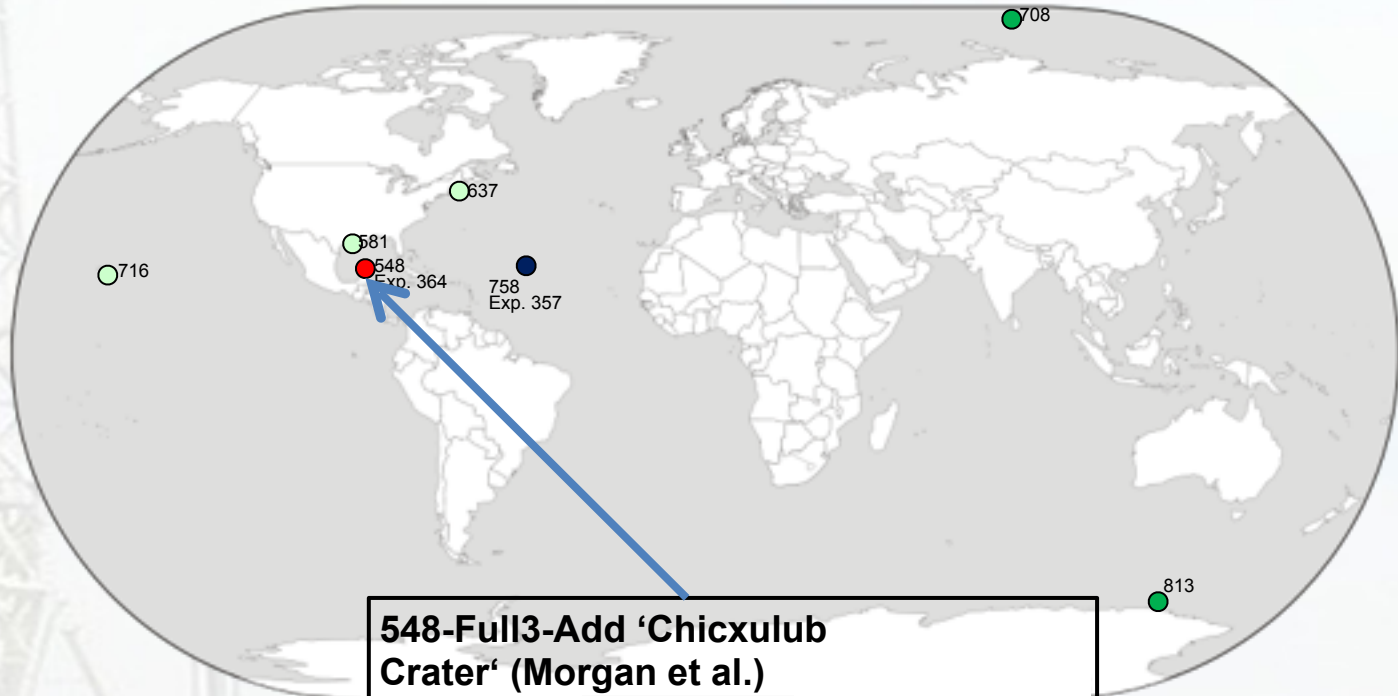
Expedition 357 was realized in from 2015 October the 26th to December the 11th on the drillship: RRS James Cook carrying the BGS Rockdrill 2 and the MARUM-MeBo seafloor drills.

The expedition budget was fixed to about \$4.0M.

- The expedition was a success and presentation of the results recovered will be given by G. Früh-Green after Agenda item 2.2.
- A review committee will be held in Bremen 24 and 25 October 2016 back to back with the ESSAC council meeting. The Review Committee composed of 2 external reviewers: Bo Barker Jorgensen and Christopher Macleod and 3 EFB Science Board members: Gilles Lericolais (Chair), Stephen Gallagher and Karsten Gohl.

Mission-Specific Platform (MSP) proposals at EFB - Accomplished -

- 2015 MSP expeditions
- 2016 MSP expeditions
- Scheduled MSP proposals
- MSP proposals in EFB waiting room

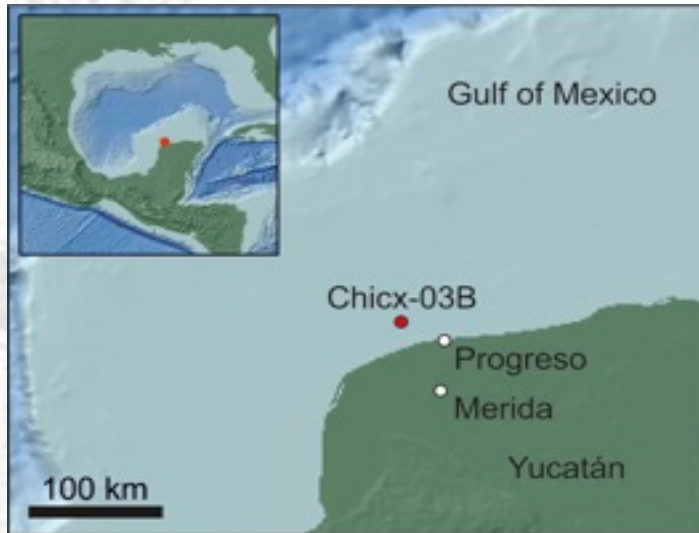


548-Full3-Add 'Chicxulub Crater' (Morgan et al.)

- **Exp. 364** in April 2016
- 1 drill hole to 1500 m penetration; jack-up drill
- budget limit at \$8.5M (plus \$1M from ICDP)

Exp.364-548-Full3-Add 'Chicxulub Crater' (Morgan et al.)

Chicxulub K-Pg Impact Crater



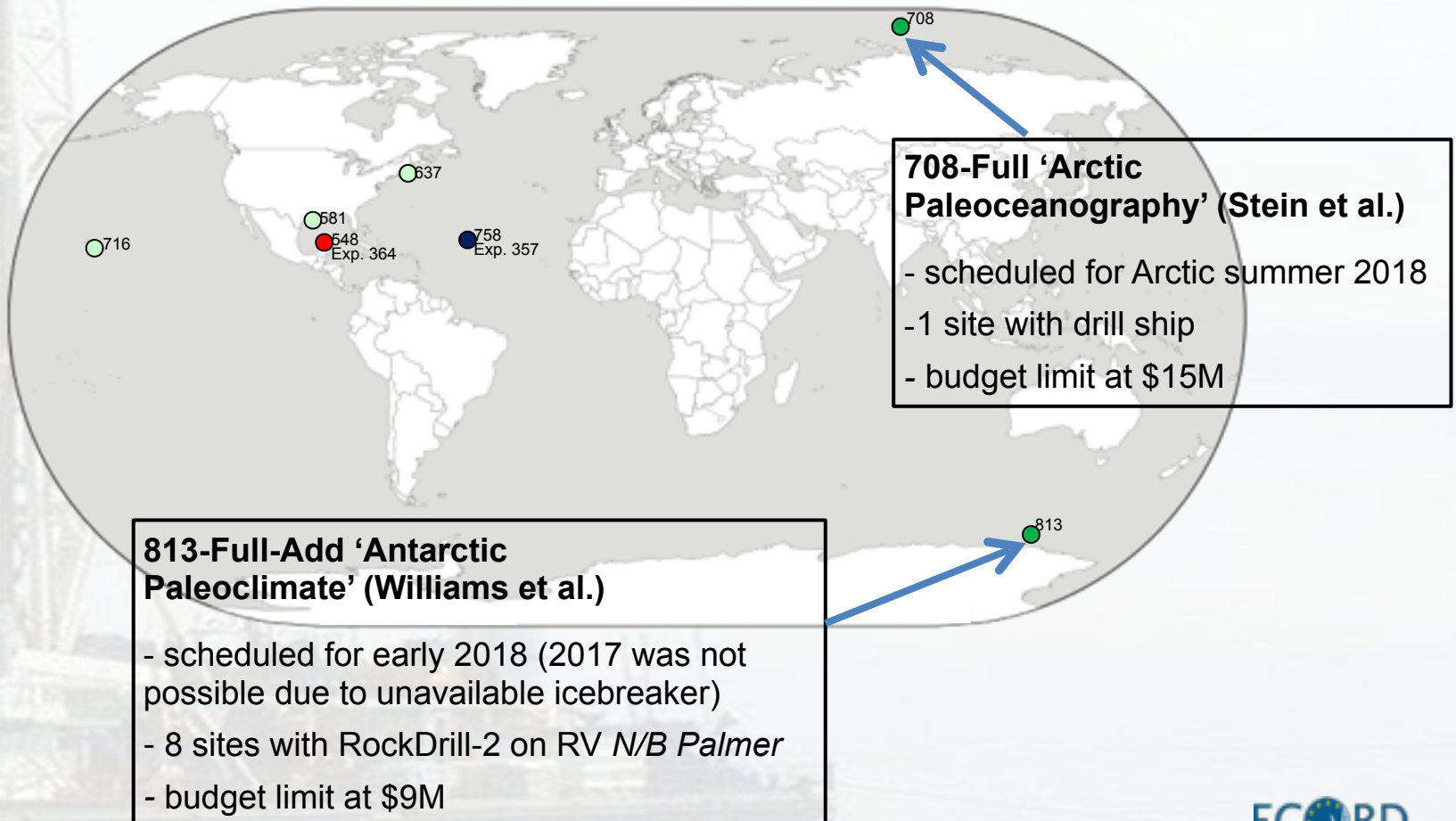
Expedition 364 was realized in from 2016 5th April to 31st May on the drillship: *L/B Myrtle*.

- The expedition budget was fixed to \$8.5M from ECORD budget
- 1330 m was reached !
- The expedition was a success and presentation of the results recovered will be given by **J. Morgan** before Agenda item 3.
- Onshore Science Party: starts 21st September 2016 for a maximum of 4 weeks.

Mission-Specific Platform (MSP) proposals at EFB

Scheduled -

- 2015 MSP expeditions
- 2016 ongoing Expedition
- Scheduled MSP proposals
- MSP proposals in EFB waiting room



Mission-Specific Platform (MSP) proposals at EFB

EFB waiting room -

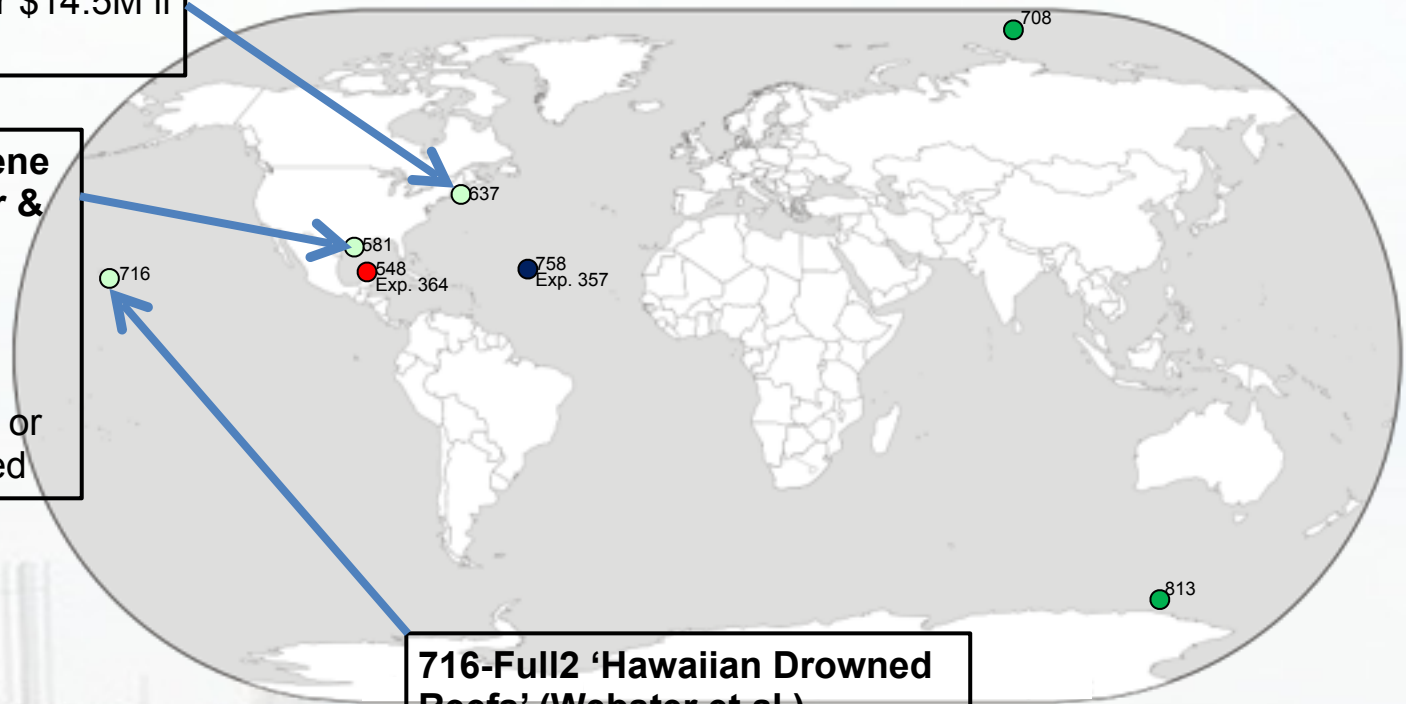
637-Full2 'New England Shelf Hydrogeology' (Person et al.)

- EFB holding bin
- lift boat, jack-up
- cost estimate: ca. \$32 or \$14.5M if only 2 holes at 3 sites

581-Full2 'Late Pleistocene Coralgall Banks' (Droxler & Sager)

- EFB holding bin
- geotech rig, seabed drill
- cost estimate: ca. \$7.1M or \$2.9M if MeBo/RD2 is used

- 2015 MSP expeditions
- 2016 ongoing Expedition
- Scheduled MSP proposals
- MSP proposals in EFB holding bin



716-Full2 'Hawaiian Drowned Reefs' (Webster et al.)

- EFB holding bin
- geotech drill or MeBo200
- cost estimate: ca. \$10.5M or \$4M if MeBo200 is used

Mission-Specific Platform (MSP) proposals at EFB

Forwarded from SEP 16-01 -

- 2015 MSP expeditions
- 2016 ongoing Expedition
- Scheduled MSP proposals
- MSP proposals in EFB waiting room
- Received from SEP 16-01

730-Full2 'Sabine Bank Sea-Level' (Taylor et al.)

- To be reviewed by EFB
- Rockdrill2 or MeBo200
- No cost estimate yet

879-Full: Corinth Active Rift Development (McNeill et al.)

- To be reviewed by EFB
- 3 primary & 3 alt. sites, 357-862 m WD, 480-750 m penetration depths
- No cost estimate yet

