

#20 PMT Meeting Memo
18-19 August 2011
JAMSTEC Tokyo Office, Tokyo, JAPAN

1. Meeting Participant:

Ryota Hino	Tohoku University
Gaku Kimura	University of Tokyo
Masa Kinoshita	IFREE, JAMSTEC
Harold Tobin	University of Wisconsin
Toshi Kanamatsu	IFREE JAMSTEC
Demian Saffer	Pennsylvania State University
Mike Underwood	University of Missouri
Geoff Wheat	Monterey Bay Aquarium Research Institute
Pierre Henry	CEREGE - College de France (observer)
Nobu Eguchi	CDEX
Nori Kyo	CDEX
Ikuo Sawada	CDEX
Sean Toczko	CDEX
Issa Kagaya	IODP-MI
Yoshi Kawamura	IODP-MI

2. Agenda and Discussion Points:

1. Presentation and discussion of NanTroSEIZE operation-plan proposal for FY12 (Exp. 338) and beyond
 - CDEX presented FY12 operation-plan proposal.
Non-IODP period: till early Mar 2012
R.R.D. operation window: late March to early May (1.5month)
Repair-dry-dock & sea trial: mid May to mid June 2012 (1.0month)
Exp. 337 (Shimokita): late June to late August 2012 (2.0month)
Exp. 338 (NanTroSEIZE): early September 2012 to early January 2013 (4.2month)
 - CDEX presented the completion plan for C0002 Plate Boundary Ultra Deep Riser. To complete the C2 hole without observatory installation will take three years (three expedition windows; 4.2month, 5.0month, &

6.0month)

- The Team accepted the Chikyū situation and the operation proposal. Several concerns for detailed plan and schedule/time estimation were raised, discussed, and identified or clarified;
 - Observatory installation (C2, C9 sites) is part of primary goal, but missing at the three year expedition plan. Need to add on the schedule.
 - The depth estimation of Mega-Splay may have more than 10% error. Need enough flexibility to decide casing setting depth. Hopefully intense/offset VSP pin down those depths. VSP may be included in FY12 and FY13 operation. Using OBS velocity data also may help pin the depth.
 - In principle, to drill/core through Mega-Splay, the team, especially all scientists, expressed the strategy to drill through with LDW first and side track for coring is essential for success. (regardless the continuity/timing of those two operations)
 - 13-3/8" casing depth (3,600m) can't be extend, due to mechanical /weight limitation, but 11-3/4" casing-liner (4,700m) can be.
 - *Question: Most provably the project will not be completed by the end of the current program. By what can the team impress the general community and funding agencies? And do we need to do so during FY12-13? (No certain answer?)*
 - To suspend riser-drilled hole, CDEX needs to put cement at open hole (below casing shoe) for safety requirement.
 - Need to consider C9 observatory installation, as well as toe site (C7, C6) observatory, related to 3.11 Tohoku EQ.
 - CDEX confirmed Chikyū can conduct riser operation under 5 knots Kuroshio Current. It is very slim chance not to start C2 P.B. Ultra Deep Riser.
 - Based on the findings, the team set FY12 expedition contingency options. (see consensus statement PMT20-01 and action times PMT20-01,02,03)
2. Discussion of Exp. 338 co-chiefs and science party staffing model
- Less co-chiefs model was preferred. Still need to examine exact expedition duration, but the team seeks four co-chiefs plan (staggered/ long overlap).

- Two group of science party mode had been selected, but numbers of each group member needs to be defined, based on detailed operation schedule.
3. Discussion and nomination of Exp. 338 co-chiefs
 - Six nominations from PMOs, three US, two ECORD, and one Japan.
 - After brainstorming to add nominees, the team selected first four invitees. CDEX will contact them soon after SPC. (see consensus statement PMT20-02 and action items PMT20-04)
 4. Discussion of Exp. 338 preparation schedule
 - FY12 Expedition preparation schedule had been discussed and decided. (see consensus statement PMT20-03 and action times)
 5. Other business:
 - Observatory specialty coordinator
 - The team re-recognized the necessity of Observatory SC.
 - The plan will continuously be discussed. (IODP-MI will take lead for E-mail discussion, as well as FY12 SC contracts)
 - Cuttings cookbook
 - The draft has been prepared and will be discussed at the end of Sep, then finalized. The cookbook will be tested at FY12 expedition.
 - Stage 1 synthesis paper etc
 - The plan has been fixed and it will be completed at the end of Sep 2012.
 - 3rd party tool policy (especially observatory data)
 - IODP-MI needs to revise 3rd party tool policy and guideline.
 - Meanwhile, the policy sets case by case bases. (for NanTroSEIZE, Smart-Pug data will be opened after 24 month moratorium period)

3. Consensus and Action times:

1. Consensus PMT20-01:

The PMT identified possible contingency operations for FY12 expedition as follows, and requests CDEX to find feasibility and estimate operation time.

- More coring at 2,300m-3,600m hole section
- Replace Smart-Plug at C10

- Install LTBMS (like C2 one) at C10
- Deepen C2 hole by LWD after 13-3/8" casing set (3,600m)
- Set Genius-Plug at C9 (without deepening the hole)
- Log at C12 (re-drill by LWD, or re-enter by WL?)
- Intense (possibly mini-offset and offset) VSP at C2 after 13-3/8" casing set

Action item PMT20-01:

CDEX conducts feasibility study on each operation and estimate the operation time, prior to pre-expedition meeting in Oct/2011.

Action item PMT20-02:

CDEX resume the discussion of C9 observatory installation and will form the project team as soon as possible.

Action item PMT20-03:

CDEX considers toe sites (C7, C6) observation by science input (the hole TD, casing & observatory setting depth, etc.) as FY12 contingency operation.

2. Consensus PMT20-02:

The selected the following four names as co-chief candidates.

Greg Moore
 Peter Flemings
 Kyuichi Kanagawa
 Michi Strasser

Action item PMT20-04

CDEX contacts those candidates to find their availability.

3. Consensus PMT20-03:

The PMT sets FY12 expedition preparation schedule as follows;

- Co-chief selection: 19/Aug/2011 Done
- Co-chief contact: 26/Aug/2011 by CDEX
- Call for application edit: End of Aug by CPS & CDEX
- Fact Sheet edit: End of Aug by CPS & CDEX
- Call for application EOS & PMO: Early Sep
- Contingency option study by CDEX: before pre-Exp. Meeting
- Pre-Expedition meeting: Oct/2011
- Finalize Prospectus: Oct/2011

- End of Call: End of Oct/2011?
- PMO nominations: TBD
- Science Party member selection: TBD
- Science party member invitation: TBD