

NanTroSEIZE PMT #15 Agenda

Date: April 19-21

Time: April 19 (SUN): 13:00-17:00
April 20 (MON): 09:00-17:30
April 21 (TUE): 09:00-13:00

Venue: JAMSTEC Tokyo Office

<http://www.jamstec.go.jp/e/about/access/tokyo.html>

Attendees: Janecek, Tobin, Kinoshita, Underwood, Moore, Saffer, Wheat, Kimura, Kanamatsu, Kuramoto, Araki, McNeil, Byrne, Saito, Eguchi, Toczko, Takahashi, Kubo, Aoike, Moe, Kawamura, Ito, Kobayashi, Muta, CDEX engineers (as requested)

Meeting Host: Shin'ichi Kuramoto (s.kuramoto@jamstec.go.jp)

Mobile phone: 090-1044-5143

April 19 (SUN)

1. CDEX update on Chikyu shakedown and readiness (10min.) CDEX
2. Follow-up of the Stage 1 post-expedition meeting (10 min.) CPS
 - A. Review of any science issues
 - B. Confirmation of pubs submitted/published so far & planned
 - C. Timeline of any remaining Stage 1 work (mainly publication issues)
3. Stage 2 organization (40 min) CPS
 - A. Exp. plan review and remaining issues (including SC and CPS crossover briefings) (All CCs + EPMs)
 - B. Exp. report publications organization and issues (EPMs)
 - C. Riserless observatory developments (preview) (319 CCs + EPMs)
 - D. Update detail scientific hypothesis to test and publication plan (What outcomes expected?)
4. Stage 3 science plans, priorities and operation requirements (120 min.) CPS
 - A. Discussion of science target and update scientific hypothesis to test
 - B. C0002 site target depth and geological prognosis update (Moore?)
 - C. Coring strategy
 - D. Logging strategy
 - E. Downhole measurement strategy
 - F. Other onboard experiment plan

5. Stage 4 plan (60 min.) CPS
 - A. Riser-hole observatory Team progress (preview) (Araki, Ito?)

April 20 (MON)

1. IODP-MI update on OTF schedule, related issues (10 min.) IODP-VP
2. Stage 2 planning review (90 min.)
 - A. Exp 319
 - Operational Plan (Tech Report V. 5) review (CDEX)
 - Staffing review (EPMs)
 - Other implementation issues
 - VSP planning (Hino and/or Kinoshita)
 - Kuroshio status, other hazards, and contingency for riser operations (CDEX)
 - B. Exp 322
 - Operational Plan (Tech Report V. 5) review (CDEX)
 - Staffing review (EPM)
 - Other implementation issues (EPSP safety concerns?) (CCs + EPM)
3. Stage 3 Implementation Plan (200 min.)
 - A. Review of Scientific Objectives and hypothesis to test
 - B. Alternate site possibility
 - C. Requests from scientists (engineering and lab issues)
 - D. Initial thoughts of C0002 site drilling plan (CDEX)
 - E. Multi-year operation and each science delivery
 - F. Expedition preparation time line
4. Stage 4 Implementation Plan (80 min.)
 - A. Preparation time line and responsibility
 - B. Engineering progress and any issues to discuss (CDEX)

April 21 (TUE)

1. Riserless observatory operation (90 min)
 - A. Timelines and prioritization of riser drilling vs. installing riserless observatories and/or leftover riserless drilling objectives (CPS)
2. Other Issues (30 min)
 - A. Outreach activities -- Stage 2 and later (CPS and EPMs)
 - Journalist access on board
 - NHK & BBC's proposal

- "Official" blogging from ship? Vide Conf.?
- Integration with IO and national PMO efforts

3. Wrap-up all discussions and make sure each action item

[Finish by early to mid afternoon on Tuesday to allow airport departures]

NanTroSEIZE PMT #15 Action Items

April 19 - 21, 2009

JAMSTEC Tokyo Office

Stage 2 Action Items

- Invitation to VSP people on Chikyu (CDEX)
 - Provide timeline for altering VSP schedule (CDEX/Masa to TJ, CCs, EPM)
 - Organize KAIREI plan and schedule (Masa)
- Start detail planning discussion on MDT (Moe, Ito, CCs, CPSs, expertise shipboard scientists)
- Letter to PMOs to ask for CPSs as Exp.319 shipboard scientists (TJ)
- Finalize cross-over staffing (319&322 EPMs) - done.
- Straighten path for sample request to C0002 geotech. cores (319 SAC)
 - Letter from CDEX to 319 scientists (CDEX)
- Inform tech names onboard to CC (EPM)
 - Software training (logging/seismic), etc.

Stage 3 and Observatory Action Items

- Setup a small WG to investigate TD at NT3-1 (before EPSP in June)
 - **Greg**, Harold, Masa, CDEX/IFREE
 - EPSP approval (June)
- Document the request for NT3-1 drilling plan from scientist
 - Make detailed science plan for NT3-1
 - Ask CDEX to redesign casing plan for NT3-1
- Start considering Stage 3 expedition design (Leg, CC, etc.)
 - Develop timeline for Stage3 design and provide to PMT (CDEX)
- **Contingency plan with lead-time & timeline consideration (CDEX)**
 - **Submit list of sites/missions to CDEX (Masa/Harold)**
- Consult with outside experts on LWD vs. wireline consideration for deep riser site (Harold/Moe)
- Observatory
 - Araki to send out information about NT2-11 observatory
 - Define timeline for design freeze (Araki)
 - Hold observatory WG (before PMT) to discuss sensor configuration and study specs. In the plan
 - Meeting on a regular basis
 - **Renew temperature estimates at NT3-1 (Masa)**
 - *PMT Observatory team (Masa, Harold, Demian, Liz, Achim, Earl, Araki; Tom Pettigrew?; Selwin, Peter Malin ????? Change for riser observatory Araki to propose)
 - Chair to be defined

General Action Items

- PMT membership consideration
 - Ask Hino for a PMT member (seismology specialist) (Masa)
 - Send Hino's contact info. To TJ (Masa)
- Request CDEX about "blogging" from Chikyu (life on the ship, etc.)
 - Is there any constraint, limitation?
 - CCs will ask for volunteer?
- Next PMT
 - September 26, 2009 in Bremen (after INVEST meeting in Sep. 23-25) (Achim!)

Stage 3

FY2011 Primary Plan

- Riser (Note that numbers are based on the model assuming TD=6000m)
 - Begin drilling at C0002 until 13-5/8" CSG at 2700mbsf
 - LWD to 2700m
 - Interval coring and downhole testing
 - Offset VSP
 - Riserless
 - Install observatory at NT2-1J

Contingency Operations

- Riser
 - Extend NT2-11 hole to 2.5 km, put in 9-5/8" casing
 - Return to C0001? - Not likely, not feasible (leave here just in case)
- Riserless
 - Set riserless observatory at Site C0002
 - Riserless casing hole (TD~840m?)
 - Install observatory system, similar to NT2-1J (sensors will be ready in 2010)
 - VSP at C0002
 - VSP at NT2-11 (if not completed in Exp.319)
 - NT1-01 (coring etc.) with basement penetration (~200m?)
 - NT1-07 coring in shallow & basement section (leftover from Exp.322)
 - APL (Strasser) shallow coring on the slope sediment (NT2-10?)
 - APL? (Kimura) site for very shallow penetration at megasplay (C0004)
 - Attempt additional NT2-01 site?
 - NT2-04 riserless drilling/casing
- PMT request CDEX to estimate time for above operations, which will be reported to OTF (TJ)

Riserless drilling based on following priorities

(based on PMT#14, as a contingency for Stage 2)

1. NT2-01 J begin early

2. C0002 riserless casing hole as planned for riserless observatory
3. NT1-01 (coring etc.) ?? Basement penetration
4. NT1-07 early start
5. APL sites
6. Attempt additional NT2-01 site?
7. NT2-04 riserless drilling/casing
8. Riser start at C0001 (NT2-03)