

Call for NanTroSEIZE Stage 2 Participation
Expedition 332 – Riserless Observatory -2
CDEX/JAMSTEC
12 May 2010

CDEX currently plans to implement three Nankai Trough Seismogenic Zone Experiment (NanTroSEIZE) expeditions from mid 2010 to early 2011: IODP Expedition 326 (NanTroSEIZE Stage 3: Deep Riser Hole – Top Hole operation), IODP Expedition 332 NanTroSEIZE Stage 2: Riserless Observatory-2, and IODP Expedition 333 – NanTroSEIZE Stage 2: Inputs Coring & Heat flow.

In this Expedition, the current plan comprises retrieving the SmartPlug at Site C0010 and downloading onboard data, install an upgraded version (GENIUSPlug), and drill, case and install a long-term observatory (CORK) at Site C0002 in a cased 1000 mbsf riserless hole.

Science Objectives

Main Expedition Plan

These plans include: installing a permanent riserless CORK observatory at Site C0002 and recovering the currently deployed SmartPlug (temporary observatory) at Site C0010 and replacing it with a newly designed instrument that monitors Pressure and Temperature and includes an osmo-sampler and microbiology (FLOCS) component. The CORK installed at Site C0002 will include geophones, a broadband seismometer, a tiltmeter, a strainmeter, and, in the future, will be connected to the DONET undersea observatory network for realtime monitoring.

Science Party and Required expertise

Only a group of dedicated observatory specialists (approximately 10 people, comprising EPM and PIs) will be needed for the entire Expedition and for the preparation and installation of the CORK at Site C0002 and replacing temporary observatory at Site C0010.

The current scientific operation schedules are shown below (Table 1).

Previous NanTroSEIZE expedition reports are available here:

<http://www.iodp.org/scientific-publications>

Also a summary of the scientific objectives and operations for the overall NanTroSEIZE drilling is available here:

<http://www.jamstec.go.jp/chikyuu/eng/Expedition/NantroSEIZE/index.html>.

The expedition schedule, including expedition operation details, are liable to change at short notice, a situation which we are sure complicates your own scheduling arrangements, and raises a lot of questions on your part. We will update you regularly on the progress and status of expedition planning and in the meantime please do not hesitate to contact us with any questions you may have.

Sincerely yours,

Nobu Eguchi

NanTroSEIZE Expedition Manager

D/V Chikyuu Schedule for 2010

Expedition # Expedition Name Schedule Duration Co-Chief

Scientists EPM

332

NanTroSEIZE Riserless

Observatory -2
25 October – 12
December 2010

(1)

49 days

(2) (3) TBN

Sean

Toczko

Remarks:

(1) All expedition schedules are subject to change based on simulated site condition.

(2) Science Party will transfer via helicopter.

(3) Expedition duration includes transit and portcall.