Chikyu DAILY MORNING REPORT

Mission No. : CK16-02 **Exp. No.** 365 **Report No. :** 15

Site Name : C0010 **Hole Name :** C0010A **Lat.** 33° 12.5981'N **Long.** 136°41.1924'E **Report Date :** 10/Apr/2016

Depth : @24:00 **3,206.0** mBRT **654.0** mbsf Progress : **0.0** m Seabed Depth : **2,555.00** mBRT RT-MSL : **28.5** m

Depth : @06:00 mBRT mbsf Drilling/Coring/Jetting Hrs. : hrs LAST CASING : **9 5/8IN** x **547.80** mbsf

Summary of Operation on **9-Apr** : Install and bind sensor cables. POOH and replace Strainmeter & Seismometer. RIH LTBMS. Install sensor cables to70mBRT

Present Operation to 06:00 on **10-Apr** : Cont. Install and bind sensor cables to around 90mBRT

Time Breakdown (00:00 - 24:00 on **9-Apr**)

mBRT: meter below rotary table

mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	0:30	0:30	OTHER	Continue arrange sensor cables @Moonpool
				Sensor cables passing the moonpool sheave by messenger rope(Thermister, Flatpack)
				all sensor cables are passing through main roller of CGR only thermister cable passing funnel of CGR.
0:30	3:00	2:30	OTHER	Install sensor cables on each sensors by scientist @Moonpool (Strainmeter, Seismometer, Thermister)
				Bind sensor cables with cable tie.
				Protect sensor cables with rubber protector hose, and Bind stainless band.
3:00	4:00	1:00	OTHER	Find Strainmeter and Seismometer sensor cables are crossed. Once remove cable ties, adjust cable arrangement.
				Bind sensor cables again.
4:00	6:30	2:30	OTHER	Continue to bind sensor cables on sensor carrier and install sensor cables with SUS band @Moonpool.
				Connect sensor cable to Tiltmeter.
6:30	9:30	3:00	OTHER	Test sensor cables @Moonpool.
				Tiltmeter: OK.
				Seismometer: NG (Tool was shown "Unlock" condition).
				Strainmeter: NG (Sensor is rebooted at the initial of testing repeatedly due to over current)
9:30	16:15	6:45	OTHER	POOH LTBMS completion to 30.65mBRT due to strainmeter and seismometer sensor failure
				Take off cable tie and SUS band for sensor cables.
				Lay down Strainmeter and Sensor Carrier at middle pipe rack deck.
				Change Strainmeter assembly @middle pipe rack and test same.
				Remove Seismometer from Sensor Carrier and replace with new one.
16:45	19:00	2:15	OTHER	Start re-run completion assembly
				After rig up strainmeter and instrument carrier, work on piping arrangement @rig floor
19:00	19:30	0:30	OTHER	Continue arrange the piping @moonpool.
19:30	21:30	2:00	OTHER	Terminate strainmeter cable to the sensor and start communication test at around 65mBRT.
				Meanwhile, lowering down completion assembly for cable termination to the instrument carrier.
				After lowering down the bottom of starinmeter at 2mbsl, confirmed good communication with sensor @moonpool container by scientist.
21:30	23:00	1:30	OTHER	Terminate seismometer cable to the sensor and start communication test (good communication with sensor) then continue lowering down with cable termination@67mBRT.
				Note: increase supply voltage by generator for receiving signal properly.
23:00	24:00	1:00	OTHER	Terminate thermister cable to the sensor at @around 70mBRT.

D/V "Chikyu"

Time	distance from W/C	sea current	current direction
0:00	23.9 mile	0.2 knot	47 deg
4:00	24.0 mile	0.2 knot	12 deg
8:00	24.0 mile	0.1 knot	351 deg
12:00	24.0 mile	0.1 knot	295 deg
16:00	24.0 mile	0.4 knot	320 deg
20:00	24.0 mile	0.1 knot	342 deg
24:00	24.0 mile	0.2 knot	49 deg

Time Breakdown (00:00 - 06:00 on **10-Apr**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	1:00	1:00	OTHER	Continue terminate thermister and tiltmeter cable to the sensor @around 70m.
				Start communication test (confirm good communication with sensor) then continue lowering down with cable termination.
1:00	2:00	1:00	OTHER	Connect Flatpack to 1/8"TBG from sensor carrier.
				Cut tubing and install coupling.
2:00	3:30	1:30	OTHER	Bind sensor cables and Flatpack with cable tie and SUS band.
				Apply SUS band on Flatpack.
				Apply cable ties on sensor cables.
				Protect sensor cables and Flatpack with rubber sheet.
3:30	6:00	2:30	OTHER	RIH LTBMS completion assembly to 90mBRT.
				Bind sensor cables with cable tie, Flatpack with SUS band.
				Protect sensor cables with rubber protectors and apply SUS band over centralizers

Bit Record

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT) From	Depth (mBRT) To	Meter-age	Hrs.	WOB (kN) Min.	WOB (kN) Max.	rpm Min.	rpm Max.	Total Rev. (krev)	Dull Condition Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA Record

Hook Wt. (kN) @ 67.2mBRT

Total Hook Weight	799
HPS & Traveling block	750

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10", 10')		WL	Cake	pH	Pf	Cl-	Sand	Oil	Solid	K+	LGS	MBC	Temp In	Temp Out	n	K
PHG	14:00		1.05	230	61	74	32	68			8.2									21		0.54	4.72

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Arr.	Passenger Dept.
1	9:20	9:30	2	0
2				
3				
4				

Mud Pumps : 14-P-220 @ 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6				
2	6				
3					

Personnel @24:00

CDEX	7
Scientist	12
MQJ Crew	98
MQJ (Other)	1
MWJ	14
ROV	6
NuStar	3
Cementing (Sch)	3
ODI	2
Telnite	1
Franks	4
Swellpacker(Halliburton)	1
Total	152

Mud Materials on Board @24:00hrs (unit: kg)

Item	Received	Used	Stock
Barite (Bulk)			6,000
Kunigel-VO (Bulk)			31,000
Calcium hydroxide			2,680
Caustic soda			2,500
XCD-Polymer			175
Defoamer 30C			160
Telnite GXL			144
Rester			3,700
Treat HS			1,000

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	29	
Remarks		

Geologic Information

From	To	Lithology of core

Mud Volume (m3)

Prehy Gel (1.05sg)	200
SWG (1.04sg)	0
Kill Mud (1.30sg)	0

BOAT INFORMATION

Boat Name	Status	Time Departed	Time Arrived
Heisei-maru	Current survey	-	-
Akatsuki	Current survey	-	-

Marine Information @24:00

Heave (m)	0.3
Pitch (deg)	0.2
Roll (deg)	0.1
Vessel Heading (deg)	240
Riser Tension (ton)	-
V.D. Load (Moon)	15481.0
Max Draught (m)	9.00
Thruster (kW)	820

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	45.5	63.2	308.2
Potable Water	m3	0.0	2.8	303.7
Drill Water	m3	0.0	2.1	2,287.2
Fuel	m3	0.0	37.9	6,919.8
Lube. Oil	Ltrs	0.0	700	121,100
Heli Fuel	Ltrs	0.0	0	0.0

Weather Information

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	Wind Speed (m/s)	Wind Dir. (deg)	Wind Gust (m/s)	Wave Height (m)	Wave Dir. (deg)	Wave Period (s)	Current Speed(knt)	Current Dir. (deg)	Visibility (km)
24:00	o	17.0	18.0	1014.2	4.6	287.0	5.0	0.7	230	4.9	0.2	49	22

Today's Schedule : Continue to RIH LTBMS completion. Install swellable packer

Reported by : N.Sakurai / T.Yokoyama

Approved by : T.Saruhashi