Chikyu DAILY MORNING REPORT

Mission No. : CK18-01 **Exp. No. 380** **Report No. :** 21

Site Name : C0006 **Hole Name :** C0006G **Lat.** 33° 01.6388'N **Long.** 136°47.6463'E **Report Date :** 2/Feb/2018

Depth : @24:00 4,395.0 mBRT 495.0 mbsf Progress : 0.0 m Seabed Depth : 3,900.00 mBRT RT-MSL : 28.5 m

Depth : @06:00 4,395.0 mBRT 495.0 mbsf Drilling/Coring/Jetting Hrs. : 0.00 hrs LAST CASING : 9-5/8in x 391.00 mbsf

Summary of Operation on 1-Feb : Continue sensor cable termination. Cut off sensor cables for ODI connector. ODI cable connector termination.

Present Operation to 06:00 on 2-Feb : Continue ODI cable connector termination.

mBRT: meter below rotary table

mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on 1-Feb)

From	To	Hrs	Code	Detail of Operation
0:00	0:15	0:15	COMPLETION	Continue to terminate sensor cables by ODI engineer in 20ft container.
0:15	1:00	0:45	COMPLETION	Sensor health check in 20ft container.
				Confirm all sensors good (Strainmeter, Seismometer, Tiltmeter, Thermistor)
1:00	5:15	4:15	COMPLETION	Install sensor cables on CORKhead and conduct communication test for sensors.
				Put sensor cables away from CORKhead and PU them on upper worker platform.
				PU CORKhead and bind sensor cables w/tie wrap and SUS band on lower worker platform.
				Lower CORKhead and secure cable loop on cable bay of CORKhead in order of Tiltmeter, Strainmeter and CMG.
				Install FACT connectors on connector bay.
5:15	6:00	0:45	COMPLETION	Sensor health check.
				Confirm Strainmeter, Tiltmeter and PSU good.
				Observe improper communication w/CMG (uplink: OK, downlink: Failure)
6:00	15:00	9:00	COMPLETION(N)	Investigate CMG communication error
				(From 6:00 to 8:15) Continue communication check w/CMG from container and RGR upper platform: Downlink failure
				(From 8:15 to 8:30) Remove CMG FACT pressure housing w/connector from CORKhead and bring into 20ft container
				Communication check w/CMG in 20ft container: Downlink failure
				(From 11:00 to 12:50) Conduct communication check w/ Acoustic modem (Tilt: OK, Strainmeter: OK, CMG: Faillure)
				(From 13:00 to 15:00) Cut and Test for CMG cable
				Cut and Test #1, from bottom end of pressure housing to wetmate connector: Downlink line failure
				Cut and Test #2, from wetmate connector to top side pressure housing rubber end: OK
				Cut and Test #3, from top side pressure housing metal end to pressure housing bottom: Downlink line failure
				Cut and Test #4, from end of CMG cable to subsea cable and sensor: OK
15:00	24:00	9:00	COMPLETION(N)	Reterminate CMG sensor cables by ODI engineer in 20ft container.
				(From 15:00 to 23:45) Perform sensor cable splice and hardening
				(From 23:45 to 24:00) Sensor helth check: OK
				Meanwhile
				Investigate for ODI pressure housing by CT scan in laboratory area. Broken part is not clear in CT image.

Time Breakdown (00:00 - 06:00 on 2-Feb) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	6:00	6:00	COMPLETION(N)	Continue reterminate CMG sensor cables by ODI engineer in 20ft container.
				(From 0:00 to 0:15) Sensor helth check: OK
				(From 0:15 to 6:00) Perform hardening for connector

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) @ 467 mBRT

Hook Load	670
LTBMS completion	70
HPS & Traveling block	600

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	10:00	PHG	1.06	300	46	82	60 : 88			8.5									16		0.44	8.09
SWG	11:00	SWG	1.11	300	32	90	68 : 68			10.9									16		0.34	15.01
Kill Mud	14:00	KillMud	1.30	100	38	24	25 : 42			10.7									16		0.69	0.84

Geologic Information

From	To	Lithology of core
0:00	24:00	S/B Akatsuki
0:00	18:00	G/B Meijimaru #8

Helicopter Flight	#1 On	#1 Off	#2 On	#2 Off	#3 On	#3 Off

Personnel @24:00

CDEX	9
Scientist	15
MQJ Crew	95
MQJ (Other)	2
MWJ	15
NuStar	3
Cementing (Sch)	3
Packer (Hal)	1
Telnite	1
Trainee	4
Franks	4
ODI	2
OCC	3
Total	157

Mud Volume (m3)

Prehy Gel (1.06sg)	50
SWG (1.11sg)	30
NaCl Brine (1.19sg)	100
Kill mud (1.30sg)	40

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				0	0
3	6					

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

Item	Received	Used	Stock
Barite (Bulk) *			270,000
TEL-GEL (Bulk)			38,000
Kunigel VO (Bulk)			41,000
Caustic soda			1,225
Lime			1,020
XCD-Polymer			100
Baracor-100			0
Telnite OS-5			0
Deformer 30C			16
KCl			140
NaCl			0

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	54	

Remarks

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	91.3	86.5	327.5
Potable Water	m3	0.0	3.8	276.5
Drill Water	m3	0.0	18.0	1,980.0
Fuel	m3	0.0	41.8	3,584.1
Lube, Oil	Ltrs	0.0	1,000.0	81,900
Heli Fuel	Ltrs	0.0	0.0	0.0

Marine Information @24:00

Heave (m)	0.2
Pitch (deg)	0.2
Roll (deg)	0.2
Vessel Heading (deg)	50
Riser Tension (ton)	-
V.D. Load (ton)	12763.0
Max Draught (m)	9.00
Thruster (kW)	1,050

* Include carried over materials

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	r	10.0	16.0	1020.8	13.9	40.0	16.4	1.2	40	4.6	0.5	282	18

Today's Schedule : Cont.ODI cable connector termination. Sensor health check. PU and MU Activation kit.

Reported by : N.Sakurai / K.Tabuchi

Approved by : T.Saruhashi