

Chikyu DAILY MORNING REPORT

Mission No. : CK12-06

Exp. No. : Exp 338

Site Name : C0022	Hole Name : C0022B	Lat. : 33°13.0833'N	Long. : 136°43.4667'E
Depth : @24:00 2,760.00 mBRT 57.50 mbsf	Progress : 57.50 m	Seabed Depth: 2,702.50 mBRT	RT-MSL : 28.5 m
Depth : @06:00 2,779.00 mBRT 76.50 mbsf		Drilling/Coring/Jetting Hrs. : 4.00 hrs	LAST CASING : - x
Summary of Operation on 31-Dec : RIH 11-7/16" HPCS / EPCS / ESCS coring Assembly. Spud-in C0022B hole. Cut core.			
Present Operation to 06:00 on 1-Jan : Over drill # 8 HPCS core			

Time Breakdown (00:00 - 24:00) on 31-Dec				Detail of Operation
From	To	Hrs	Code	
0:00	7:45	7:45	Trip	Continue make up HPCS/ESCS coring BHA. (00:00-01:15) Confirm 2ea EPCS retract test, 5" - OK. (01:15-02:30) Run to 118mBRT (top of drill collar). (02:30-07:45) Run to 2690mBRT. (03:00-07:15) Start drifting w/0.5 knot to well center. Meanwhile: Inspect HPCS inner barrel @ mouse hole. (thread of rod OK, replace 2 lock pins)
7:45	8:15	0:30	C&C	Circ and flush inside the string w/seawater 2 string volume, 180spm x 6.2-7.5Mpa.
8:15	8:45	0:30	Core(Other)	Attach drain hose of core line wiper.
8:45	10:15	1:30	RR	Connect hose on Ball Valve actuator of core line BOP. Function test actuator, malfunction. Decide to operate ball valve manually. Remove Actuator. Pressure test ball valve, OK
10:15	10:45	0:30	Other	Conduct AHC Test. CMC on and check AHC system pressure. Activate AHC for 10 min and record data in DCIS.
10:45	11:30	0:45	Core (other)	Make stand connection and install HPCS inner barrel in mouse hole.
11:30	13:00	1:30	Core	Cut #1 HPCS core. Install sinker bar. Lower Bit to 2700mBRT. Run HPCS inner barrel and land same on lading sub. Close coreline BOP and pump w/40spm, pressure increase 17.8MPa and shoot HPCS inner barrel. (@ 12:45 Spud in C0022B hole) Pull w/2.3kN overpull (No DW assist).
13:00	13:30	0:30	Core(Other)	Recover inner barrel and check core length. Recover HPCS core 7.0m (Official Water depth of C0022B: 2702.5mBRT).
13:30	14:30	1:00	Core(Other)	Pick up and remove sinker bar.
14:30	15:00	0:30	W&R	Wash down 11-7/16"hole, 2702.5-2722.0mBRT (0-19.5mbsf, 19.5m). WOB: 20kN, Pump: 30spm x 0.4-1.0MPa.
15:00	15:45	0:45	Core(Other)	Pick up and prepare run sinker bar.
15:45	16:00	0:15	Core(Other)	Run HPCS inner barrel with circulation (10spm x 0.4MPa.)
16:00	16:15	0:15	Core	Cut #2 HPCS core (2722.0-2731.5mBRT, 19.5-29.0mbsf). Close coreline BOP and pump with 40spm, pressure increase 17.1MPa and shoot HPCS inner barrel. Recover inner barrel with 85kN of DW assist.
16:15	16:45	0:30	Core(Other)	Recover inner barrel with 10spm x 0.2MPa.
16:45	17:30	0:45	Core(Other)	Run inner barrel. Meanwhile, drill down to 2731.5mBRT. WOB: 23.0kN, Pump: 40spm x 0.8MPa, HPS: 20rpm x 1.5-3.4kN-m.
17:30	17:45	0:15	Core	Cut #3 HPCS core (2731.5-2741.0mBRT, 29.0-38.5mbsf). Close coreline BOP and pump with 40spm, pressure increase 17.2MPa and shoot HPCS inner barrel. Recover inner barrel with 52kN of DW assist.
17:45	18:15	0:30	Core(Other)	Recover inner barrel with 10spm x 0.4MPa.
18:15	19:30	1:15	Core(Other)	Find seal damage of piston head. Replace new head. Meanwhile, drill down to 2741.0mBRT. WOB: 12-18kN, Pump: 40spm x 0.4MPa. HPS: 13rpm x 0.5-3.3kN-m.
19:30	20:00	0:30	Core(Other)	Run inner barrel with sinker bar.
20:00	20:15	0:15	Core	Cut #4 HPCS core (2741.0-2750.5mBRT, 38.5-48.0mbsf). Close coreline BOP and pump with 40spm, pressure increase 13.3MPa and shoot HPCS inner barrel. Recover inner barrel with 177kN of DW assist.
20:15	20:45	0:30	Core(Other)	Recover inner barrel, 10spm x 0.2MPa.
20:45	21:00	0:15	C&C	Circulation, 30spm x 0.3MPa.
21:00	21:30	0:30	DRL	Drill down to 2750.5mBRT. WOB: 15kN, Pump: 30spm x 0.3MPa. HPS: 15rpm x 1.2-4.3kN-m.
21:30	22:00	0:30	Core(Other)	Run inner barrel with sinker bar.
22:00	22:15	0:15	Core	Cut #5 HPCS core (2750.5-2760mBRT, 48.0-57.5mbsf). Close coreline BOP and pump with 40spm, pressure increase 18.8MPa and shoot HPCS inner barrel. Recover inner barrel with 124kN of DW assist.
22:15	23:00	0:45	Core(Other)	Recover inner barrel, 10spm x 0.2MPa.
23:00	24:00	1:00	DRL	Remove sinker bar and drill down to 2760.0mBRT. Sweep out 5m3 Hi-vis. WOB 40kN, Pump: 40spm x 1.2MPa, HPS: 20rpm x 1.0-6.0kN-m.

Time Breakdown (00:00 - 06:00) on 1-Jan				Detail of Operation
From	To	Hrs	Code	
0:00	1:45	1:45	Core	Cut #6 HPCS core (2760-2769.5mBRT, 57.5-67.0mbsf). Close coreline BOP and pump with 40spm, pressure increase 20.2MPa and shoot HPCS inner barrel. Recover inner barrel with 250kN of DW assist.
1:45	2:15	0:30	DRL	Uninstall sinker bar. Drill down to 2769.5mBRT. Sweep 5m3 of SWG w/140spm4.8Mpa. 40RPM.
2:15	3:00	0:45	Core(Other)	Install sinker bar, Run HPCS inner barrel.
3:00	3:45	0:45	Core	Cut #7 HPCS core (2769.5-2779mBRT, 67.0-76.5mbsf). Close coreline BOP and pump with 40spm, pressure increase 17.9MPa and shoot HPCS inner barrel. Recover inner barrel with 276.5kN of DW assist.
3:45	4:15	0:30	DRL	Uninstall sinker bar. Drill down to 2779mBRT. Sweep 5m3 of SWG.
4:15	5:00	0:45	Core(Other)	Install sinker bar, Run HPCS inner barrel.
5:00	5:15	0:15	Core	Cut #8 HPCS core (2779-2787mBRT, 76.5-84.5mbsf). Close coreline BOP and pump with 40spm, pressure increase 18.5MPa (max pressure 27.6Mpa) and shoot HPCS inner barrel. Pull inner barrel with 450kN (max overpull) of DW assist but unable to recover.
5:15	6:00	0:45	Core (N)	Overdrill from 2779-2786.5mBRT. Keep core line tension 35kN. Low down BHA to 2779mBRT. Start over drill as per instruction (2779-2781.5mBRT, 2.5m) Pump 30spm x 0.1-1.4Mpa. HPS 10rpm x 0.4-3.0kN. Observe pressure increase to 9.2Mpa and 16.2Mpa. Stop overdrill and attempt to pick up Dw w/450kN (2781.5-2784mBRT, 2.5m) Pump 10spm x 0.1-1.6Mpa. HPS 10rpm x 0.4-3.0kN. Control ROP under 20m/h. Attempt to pick up Dw w/450kN unsuccessfully. (2784-2786.5mBRT, 2.5m) Pump 10spm x 0.1-1.6Mpa. HPS 10rpm x 0.4-3.0kN. Control ROP under 20m/h. on going.

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)		Meter- age	Hrs.	WOB (kN)			rpm		Total Rev. (krev)	Inner
							From	To			Min.	Max.	Min.	Max.			
RR5b	11.4375	ULTERRA	CC3	537	CZ059	4 x 16	2702.50	2760.00	57.5	0.45	0	40	13	20	0.5		

BHA Record : HPCS/ESCS : RR5b : Core Bit x bit sub x core barrel x Landing sub x Top sub x Head sub x 7"DC(15) x XO x 5-1/2" DP S-150 (12) x 5"DP S-140 42 stds x 5-1/2"DP S-150

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		n	K
																			In	Out		
SWG		Pit	1.04	116	11	57	20	23		10.5										17	0.22	17.65
kill mud		Pit	1.30	80	37	18	9	15		10.5										18	0.74	0.54

Mud Pumps : 14-P-220 @ 2756.3 mBRT 4.98 gallons/stroke @97%					
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	80	398	1.5	DC
2	6"				DP
3	6"				28

Geologic Information	
From	To
	Lithology of core

Materials Stock on Board @24:00				
Item	Unit	Received	Used	Stock
Fresh Water	m3	94.5	89.5	312.8
Potable Water	m3	0.0	14.3	224.3
Drill Water	m3	0.0	3.1	723.1
Fuel	m3	0.0	58.2	2,318.9
Lube, Oil	Ltrs	0.0	400.0	65,900.0
Helix Fuel	Ltrs	0.0	0.0	800.0
Cement "G"	ton	0.0	0.0	280.0

Personnel @24:00	
CDEx	8
MQJ Crew	94
MQJ (Other)	1
MQJ (Add subsea E)	3
MWJ	20
Scientist, IODP	16
Telnitel	1
Vetcogray	0
Geoservices	0
Schlumberger-CMT	0
Schlumberger-W/L	0
Schlumberger-LWD	2
Frank's	0
Blohm Voss	0
NOV-Andreamer	0
Riser inspector	0
Core-IRM	5
Total	150

Mud Materials on Board @24:00hrs (unit: kg)				
Item	Received	Used	Stock	
Barite (Bulk)	0	0	312,000	
Kunigel-VO (Bulk)	0	0	18,000	
Lime	0	0	1,700	
NaCl	0	0	14,000	
Tel-Polymer DX / L / H	0/0/0	0/0/0	0/0/600	
XCD-Polymer	0	0	275	
Soda Ash	0	0	250	
Clean Lube	0	0	6,400	
Tel DD	0	0	0	
Lignite NC	0	0	0	
Astex S	0	0	0	
Treat HS	0	0	0	
Defoamer 30C / 15	0/0	0/0	160/0	
Telnitel GXL	0	0	0	
Tel Clean	0	0	0	
Baracor-100 (gal)	0	0	0	
Tel Stop G / P	0/0	0/0	0/0	
Tel Mica C / M / F	0/0/0	0/0/0	0/0/0	
Tel Plug C / M / F	0/0/0	0/0/0	0/0/0	

Boat Information @24:00

Mud Volume (m3)

Boat Name	Status @24:00	Time @Chikyu	
		Departed	Arrived
Shinchou-maru	Chikyu	18.25	
Hakuryu-maru	Chikyu		

Kill Mud (1.30sg)	59
Heavy Seawater (1.10sg)	33
SWG (1.04sg)	132
Prehy Gel (1.05sg)	135

Tan Cal C / M / F / FF	0/0/0/0	0/0/0	0/0/0/0
Speeder P / X	0/0	0	0/0
Telnite OS-5	0	0	120
Telnite HEC	0	0	0

Weather Information

Time	Weather	Temp. (degC)		Barometer (hPa)	Wind			Wave			Current		Visibility (km)
		Air	SW		Speed (m/s)	Dir. (deg)	Gust (m/s)	Height (m)	Dir. (deg)	Period (s)	Speed(knt)	Dir. (deg)	
24:00	bc	6.0	20.4	1019.2	7.9	319.0	11.7	1.6	270	7.4	3.3	95	22.0

Today's Schedule : Cut EPCS / ESCS core.

V.D. Load (Moon)	10221.5
Max Draught (m)	9.0
Thruster (KW)	1630

Reported by : S. Kataoka / D. Ikenomoto

Approved by : I. Sawada