

VISION Resistivity

Gamma Ray - Resistivity

C0002R Run4, Recorded Mode Log, Measured
Depth 1:200



Company: JAMSTEC

Well: C0002R

Field: C0002

Rig Name: D/V Chikyū

Prefecture: Wakayama

Country: Japan

Latitude: 33° 18' 3.042" N

Longitude: 136° 38' 12.174" E

Block: Pacific Ocean

FL1: X = 652,382.39 m

FL2: Y = 3,685,834.62 m

UWID:

Rig Name:

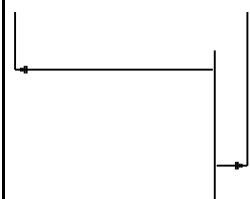
D/V Chikyū

Rig Type:

Drill ship

Log Measured From: - Drill Floor: 28.50 m
Permanent Datum: - Mean Sea Level

Ground Level: 1939.00 m



Acquisition Dates: 10-Jan-2019 -- 11-Jan-2019

Other Services:

Log Interval: 4766.31(m) -- 4833.82(m)

Direction and Inclination

Index Types: Measured Depth

APWD

Index Scales: 1:200

Depth Source: Driller's Depth

Depth Sensor: DES

Print Type: Final

Spud Date: 26-Oct-2018

Disclaimer

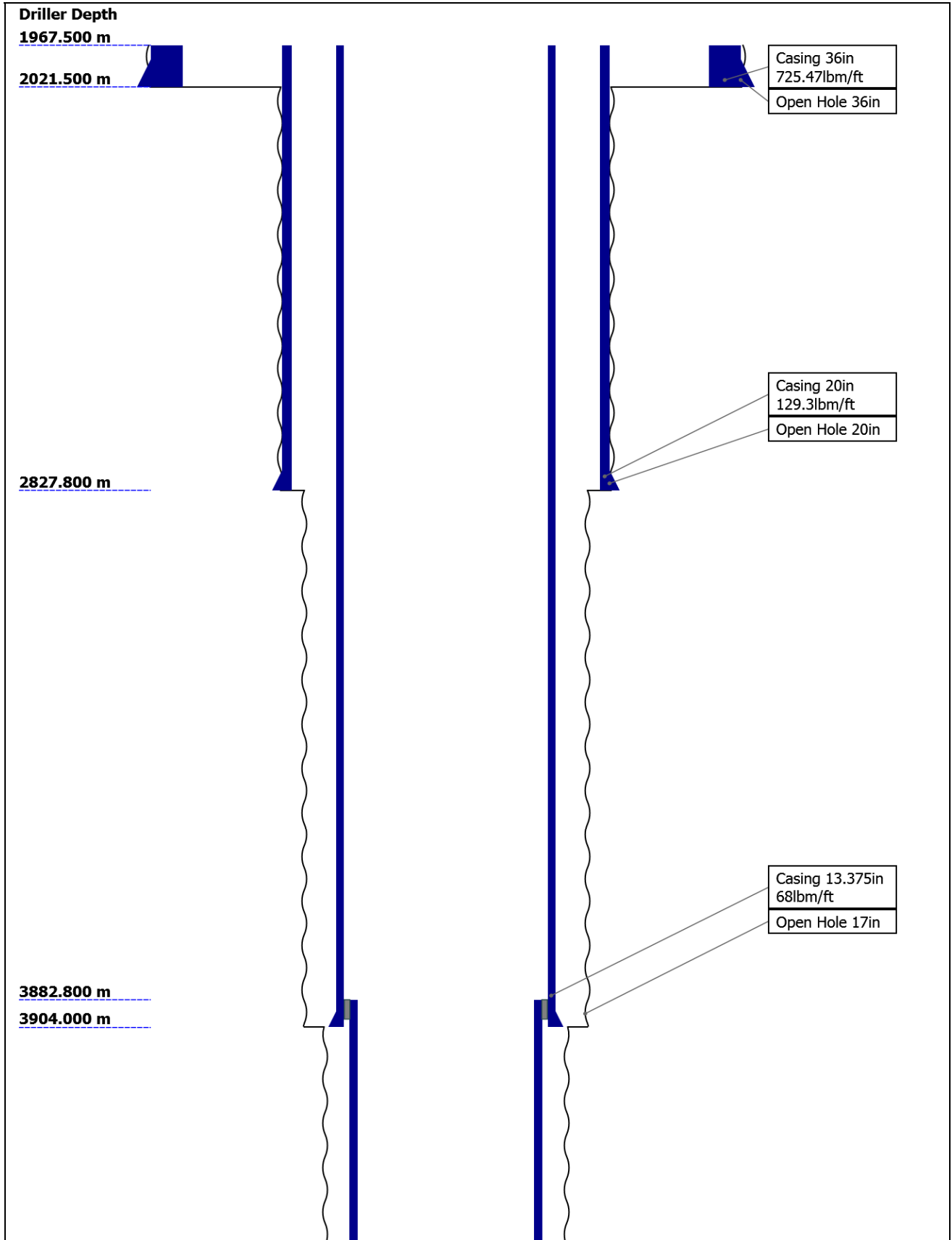
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

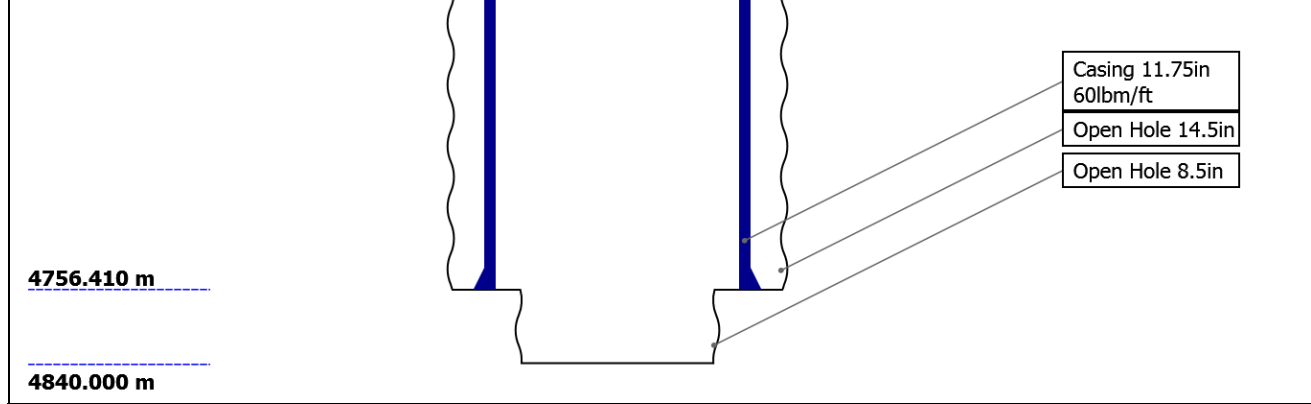
Contents

1. Header
2. Disclaimer
3. Contents
4. Well Sketch
5. Borehole Size/Casing/Tubing Record
6. Operational Run Summary
7. Borehole Fluids
8. Remarks and Equipment Summary
9. Survey Record
10. Run4 Run4 LWD Log
 - 10.1 Integration Summary
 - 10.2 Software Version
 - 10.3 Composite Summary
 - 10.4 Log (VISION Resistivity MD)
 - 10.5 Parameter Listing
11. Run4 Run4 DML
 - 11.1 Integration Summary

- 11.2 Software Version
- 11.3 Composite Summary
- 11.4 Log (Drilling Mechanics Log 675 RM MD)
- 11.5 Parameter Listing
- 12. Calibration Report
- 13. Tail

Well Sketch





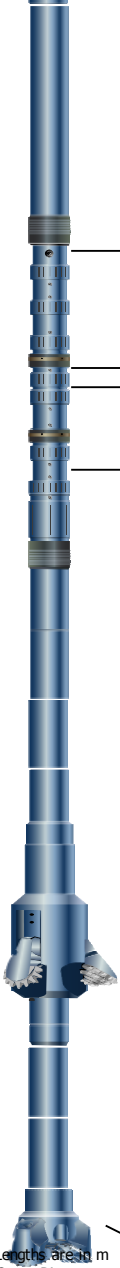
Borehole Size/Casing Record

Bit						
Bit Size (in)	36	20	17	14.5	8.5	
Top Driller (m)	1967.5	2021.5	2827.8	3904	4756.41	
Bottom Driller (m)	2021.5	2827.8	3904	4756.41	4840	
Casing						
Size (in)	36	20	13.375	11.75		
Weight (lbm/ft)	725.47	129.3	68	60		
Inner Diameter (in)	32.099	18.779	12.415	10.772		
Grade	X56	X56	N/A	N/A		
Top Driller (m)	1967.5	1967.5	1967.5	3882.8		
Bottom Driller (m)	2021.5	2827.8	3904	4756.41		

Operational Run Summary

Parameter (unit)	Run 4					
Date Log Started	10-Jan-2019					
Time Log Started	03:35:49					
Date Log Finished	12-Jan-2019					
Time Log Finished	10:53:07					
Bit Size (in)	8.500					
Bit Start Depth (m)	0.00					
Bit Stop Depth (m)	0.00					
Top Log Interval (m)	4766.31					
Bottom Log Interval (m)	4833.82					
Max Hole Deviation (deg)	1.62					
Azimuth of Max Deviation (deg)	93.01					
Logging Unit Number	OLU-MB 8054					
Logging Unit Location	Zone2					
Recorded By	SMoriyama/YWang					
Witnessed By	YSanada/YKido					
Service Order Number	18JAP0007					

Borehole Fluids



ROP 8.75
GR 7.68
Resistivity 7.63
Pressure 6.92

X/O: 6 3/4"[2] 5.25
:01-018-0001

Under Reamer: 4.45
AH27576

X/O: 6 3/4"[1] 1.48
:01-217-0001

Fit Sub: 6 3/4": 0.86
02-005-0000

Bit: 8 1/2":RG1 0.25
529

Lengths are in m
Maximum Outer Diameter = 8.500 in
Line: Sensor Location, Value: Gating Offset
All measurements are relative to TOOL_ZERO

Survey Record

Survey Calculation

Method :	Minimum Radius of Curvature	DLS Method :	Lubinski
North Reference :	Grid North	Total Correction Formula :	Magnetic Dec - Grid Convergence
Grid Convergence :	0.90 deg		

Rig Location

Latitude :	33° 18' 3.042" N	Longitude :	136° 38' 12.174" E
------------	------------------	-------------	--------------------

Tie In Point

Measured Depth:	4724.76 m	Inclination:	1.62 deg	Azimuth:	93.01 deg
True Vertical Depth:	4722.98 m	North Displacement:	3.97 m	East Displacement:	46.10 m
N/-S VSec Origin:	0.00 m	E/-W VSec Origin:	0.00 m	Vertical Section Azimuth:	0.00 deg

D&I Inits Computed and Values Used - Run 1

Geomagnetic Model :	HDGM 2018	Geomagnetic Date :	22-Dec-2018
Computed Location B :	46168.20 nT +/- 300.00nT	Used Location B :	46168.20 nT +/- 300.00nT
Computed Location G :	998.92 mgn +/- 2.50mgn	Used Location G :	998.92 mgn +/- 2.50mgn
Computed Magnetic Dip :	47.02 deg +/- 0.45deg	Used Magnetic Dip :	47.02 deg +/- 0.45deg
Computed Magnetic Dec :	-7.16 deg	Used Magnetic Dec :	-7.16 deg
Computed Total Correction :	-8.06 deg	Used Total Correction :	-8.06 deg

D&I Inits Computed and Values Used - Run 3

Geomagnetic Model :	HDGM 2018	Geomagnetic Date :	22-Dec-2018
---------------------	-----------	--------------------	-------------

Computed Location B :	46168.20 nT +/- 300.00nT	Used Location B :	46168.20 nT +/- 300.00nT
Computed Location G :	998.92 mgn +/- 2.50mgn	Used Location G :	998.92 mgn +/- 2.50mgn
Computed Magnetic Dip :	47.02 deg +/- 0.45deg	Used Magnetic Dip :	47.02 deg +/- 0.45deg
Computed Magnetic Dec :	-7.16 deg	Used Magnetic Dec :	-7.16 deg
Computed Total Correction :	-8.06 deg	Used Total Correction :	-8.06 deg

Survey Quality Index
 2 : Long Survey failed mag criteria 28 : Tie-In Point

Survey Correction Index
 0 : No correction

Survey Description Index
 0 : Not Flagged Survey 12 : Checkshot

Seq	MD (m)	Incl (deg)	Azim (deg)	Course (m)	TVD (m)	V Sec (m)	N/ -S (m)	E/ -W (m)	Closure (m)	at Azim (deg)	DLS deg/30m	Tool Type	QI	CI	DI
1	4724.76	1.62	93.01	----	4722.98	3.97	3.97	46.10	46.27	85.08	0.00	TIP	28	0	0
2	4771.81	1.92	149.07	47.05	4770.01	3.26	3.26	47.17	47.28	86.05	1.08	TeleScope	2	0	0
3	4787.76	1.44	113.28	15.94	4785.95	2.95	2.95	47.49	47.58	86.45	2.13	TeleScope	2	0	0
4	4810.46	2.33	160.16	22.71	4808.64	2.40	2.40	47.91	47.97	87.13	2.25	TeleScope	2	0	0
5	4827.23	3.01	148.57	16.77	----	----	----	----	----	----	----	TeleScope	2	0	12
6	4827.52	2.64	160.63	0.29	4825.69	1.70	1.70	48.16	48.19	87.97	0.55	TeleScope	2	0	0
7	4839.85	3.18	130.85	12.32	4838.00	1.21	1.21	48.51	48.53	88.57	3.85	TeleScope	2	0	0
8	4853.77	3.62	152.36	13.93	----	----	----	----	----	----	----	TeleScope	2	0	12
9	4860.55	3.10	122.03	6.77	4858.67	0.54	0.54	49.42	49.42	89.37	0.71	TeleScope	2	0	0
10	4867.25	3.04	93.24	6.70	----	----	----	----	----	----	----	TeleScope	2	0	12

Run4

Run4 LWD Log

Software Version

Acquisition System	Version
Maxwell 2018 SP2	8.2.104493.3100

Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run 4	Ream Down 2	Down	4680.41 m	4824.30 m	10-Jan-2019 5:43:25 PM	11-Jan-2019 1:57:18 AM	Yes
Run 4	Ream Down 3	Down	4800.40 m	4841.62 m	11-Jan-2019 1:57:24 AM	11-Jan-2019 4:41:34 AM	Yes
Run 4	Ream Down 4	Down	4837.43 m	4840.12 m	11-Jan-2019 4:41:41 AM	11-Jan-2019 7:37:30 PM	Yes

All depths are referenced to toolstring zero

Log Company: JAMSTEC Well: C0002R
Run4: S074

Description: ARC Blended Resistivity 2-Log Format: Log (VISION Resistivity MD) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth
 Creation Date: 05-Mar-2019 19:49:25

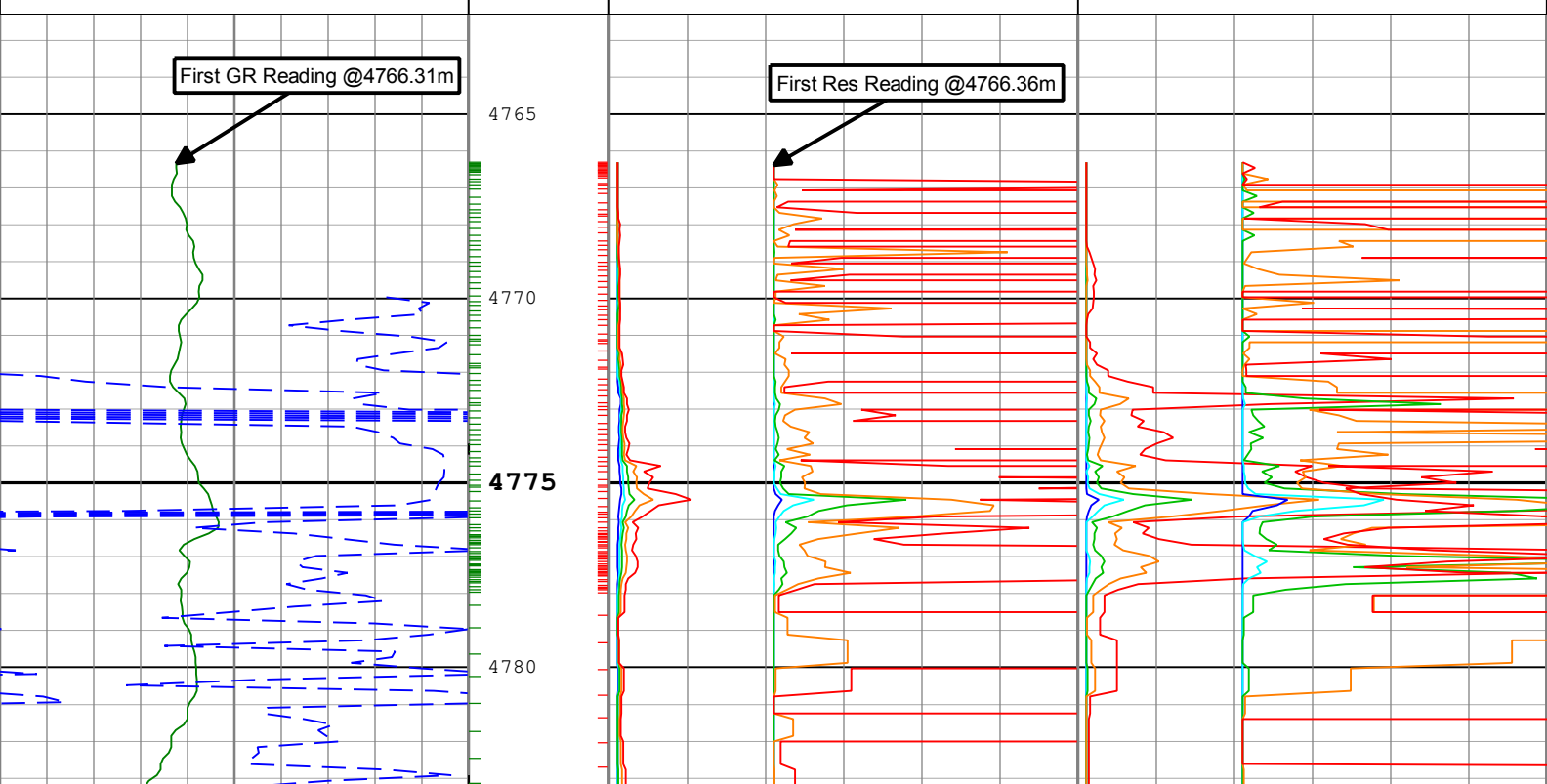
┆ TICK_ARC_GR - Gamma Ray Tick Marks ARC[1] RM	
┆ TICK_ARC_RES - Resistivity Tick Marks ARC[1] RM	
Attenuation Resistivity 16 inch Spacing at 400 KHz, Environmentally Corrected (A16L) ARC[1] RM	Phase Shift Resistivity 16 inch Spacing at 400 KHz, Environmentally Corrected. (P16L) ARC[1] RM
0 ohm.m 6	0 ohm.m 6
Attenuation Resistivity 22 inch Spacing at 400 KHz, Environmentally Corrected (A22L) ARC[1] RM	Phase Shift Resistivity 22 inch Spacing at 400 KHz, Environmentally Corrected. (P22L) ARC[1] RM
0 ohm.m 6	0 ohm.m 6
Attenuation Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected (A28L) ARC[1] RM	Phase Shift Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected. (P28L) ARC[1] RM
0 ohm.m 6	0 ohm.m 6

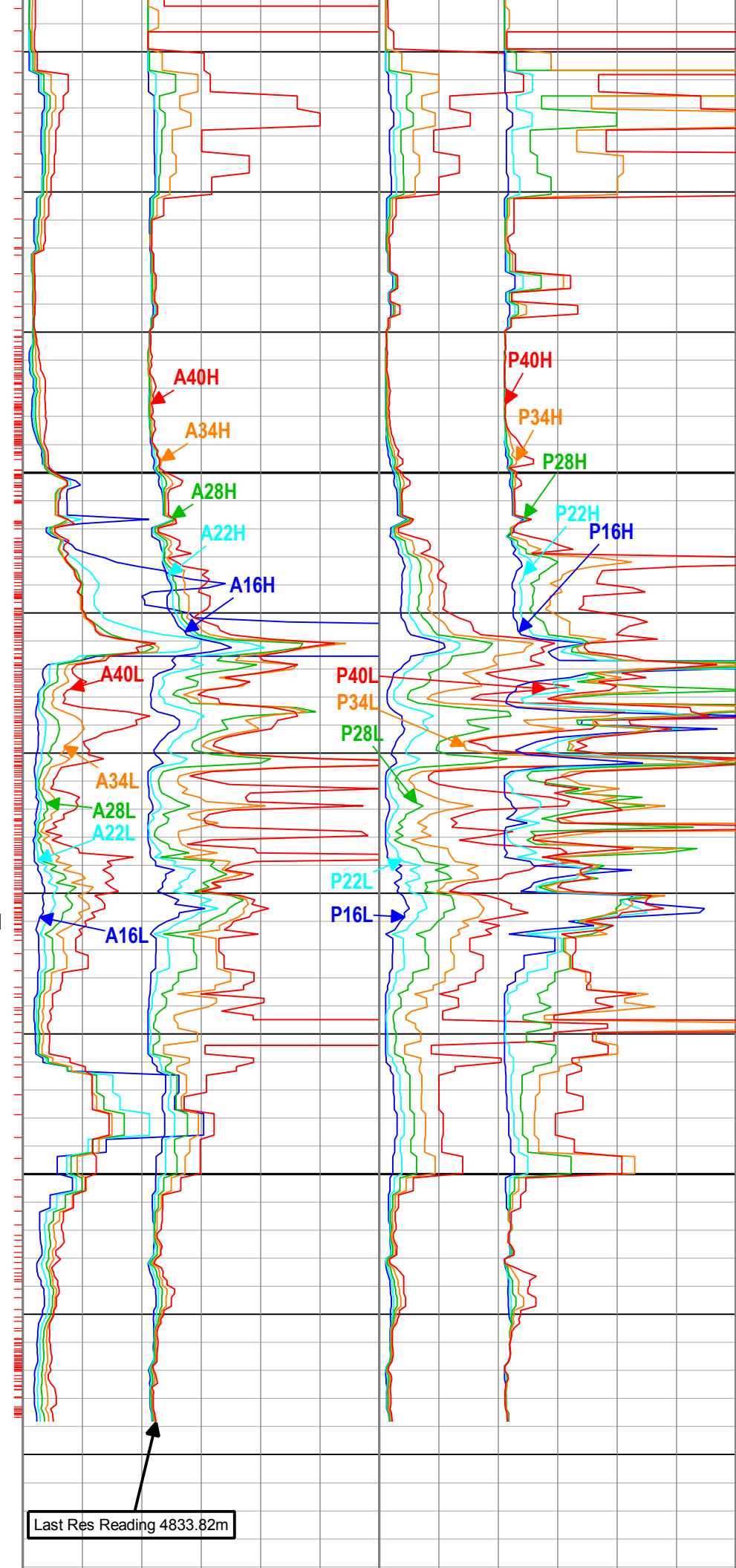
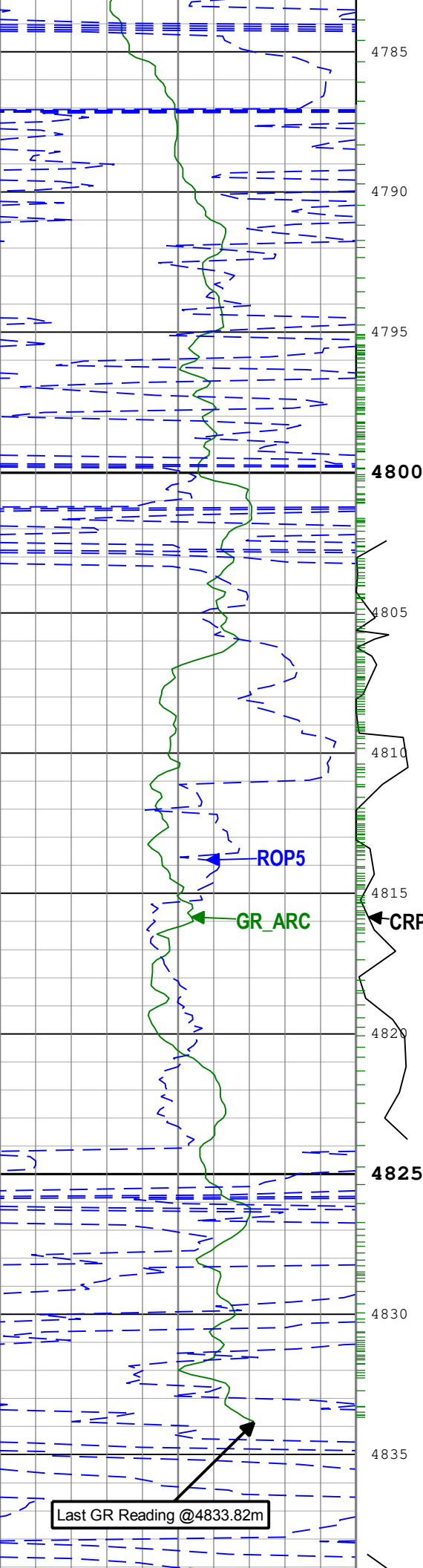
Attenuation Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected (A28L) ARC[1] RM	0	ohm.m	6
Attenuation Resistivity 34 inch Spacing at 400 KHz, Environmentally Corrected (A34L) ARC[1] RM	0	ohm.m	6
Attenuation Resistivity 40 inch Spacing at 400 KHz, Environmentally Corrected (A40L) ARC[1] RM	0	ohm.m	6
Attenuation Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected (A16H) ARC[1] RM	-2	ohm.m	4
Attenuation Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected (A22H) ARC[1] RM	-2	ohm.m	4
Attenuation Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected (A28H) ARC[1] RM	-2	ohm.m	4
Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H) ARC[1] RM	-2	ohm.m	4
Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected (A40H) ARC[1] RM	-2	ohm.m	4

Phase Shift Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected. (P28L) ARC[1] RM	0	ohm.m	6
Phase Shift Resistivity 34 inch Spacing at 400 KHz, Environmentally Corrected. (P34L) ARC[1] RM	0	ohm.m	6
Phase Shift Resistivity 40 inch Spacing at 400 KHz, Environmentally Corrected. (P40L) ARC[1] RM	0	ohm.m	6
Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H) ARC[1] RM	-2	ohm.m	4
Phase Shift Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected. (P22H) ARC[1] RM	-2	ohm.m	4
Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H) ARC[1] RM	-2	ohm.m	4
Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H) ARC[1] RM	-2	ohm.m	4
Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H) ARC[1] RM	-2	ohm.m	4

Gamma Ray (GR_ARC) ARC[1] RM	0	gAPI	150
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT	50	m/h	0

Collar Rotational Speed (CRPM) TeleScope[1] RM	0	c/min	200
--	---	-------	-----





4840		Total Depth @4841m	
Gamma Ray (GR_ARC) ARC[1] RM		Collar Rotational Speed (CRPM) TeleScope[1] RM	
0	gAPI	150	
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		0 c/min 200	
50	m/h	0	

Attenuation Resistivity 16 inch Spacing at 400 KHz, Environmentally Corrected (A16L) ARC[1] RM		Phase Shift Resistivity 16 inch Spacing at 400 KHz, Environmentally Corrected. (P16L) ARC[1] RM	
0	ohm.m	6	0
Attenuation Resistivity 22 inch Spacing at 400 KHz, Environmentally Corrected (A22L) ARC[1] RM		Phase Shift Resistivity 22 inch Spacing at 400 KHz, Environmentally Corrected. (P22L) ARC[1] RM	
0	ohm.m	6	0
Attenuation Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected (A28L) ARC[1] RM		Phase Shift Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected. (P28L) ARC[1] RM	
0	ohm.m	6	0
Attenuation Resistivity 34 inch Spacing at 400 KHz, Environmentally Corrected (A34L) ARC[1] RM		Phase Shift Resistivity 34 inch Spacing at 400 KHz, Environmentally Corrected. (P34L) ARC[1] RM	
0	ohm.m	6	0
Attenuation Resistivity 40 inch Spacing at 400 KHz, Environmentally Corrected (A40L) ARC[1] RM		Phase Shift Resistivity 40 inch Spacing at 400 KHz, Environmentally Corrected. (P40L) ARC[1] RM	
0	ohm.m	6	0
Attenuation Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected (A16H) ARC[1] RM		Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H) ARC[1] RM	
-2	ohm.m	4	-2
Attenuation Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected (A22H) ARC[1] RM		Phase Shift Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected. (P22H) ARC[1] RM	
-2	ohm.m	4	-2
Attenuation Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected (A28H) ARC[1] RM		Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H) ARC[1] RM	
-2	ohm.m	4	-2
Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H) ARC[1] RM		Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H) ARC[1] RM	
-2	ohm.m	4	-2
Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (A40H) ARC[1] RM		Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H) ARC[1] RM	
-2	ohm.m	4	-2

-|TICK_ARC_RES - Resistivity Tick Marks ARC[1] RM

|TICK_ARC_GR - Gamma Ray Tick Marks ARC[1] RM

Description: ARC Blended Resistivity 2-Log Format: Log (VISION Resistivity MD) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth
 Creation Date: 05-Mar-2019 19:49:25

Channel Processing Parameters

Run 4: Parameters

Parameter	Description	Tool	Value	Unit
ABNT	Abnormal Transmitter Indicator	ARC6	NO_TX_FAILED	

BH_COMPUTE	Borehole Effect Computation Option	ARC6	No	
BHK	Drilling Fluid Potassium Concentration	Borehole	1.54	%
BHT	Bottom Hole Temperature	Borehole	30	degC
BS	Bit Size	DNMSESSION	8.5	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.39	g/cm3
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
GGRD	Geothermal Gradient	Borehole	18.23	degC/km
GRSE_RM	Generalized Mud Resistivity Selection for Recorded Mode	Borehole	REMS(RM)	
GTSE_RM	Generalized Temperature Selection for Recorded Mode	Borehole	GTEM_GRDSURF	
HIGH_BLEND	High Resistivity Threshold for Blending	ARC6	2	ohm.m
INVAS_COMPUTE	Invasion Computation Option	ARC6	No	
LOW_BLEND	Low Resistivity Threshold for Blending	ARC6	1	ohm.m
MST	Mud Sample Temperature	Borehole	18.5	degC
MULTIEFFECT_COMPUTE	Multi-effect Computation Option	ARC6	No	
RMS	Resistivity of Mud Sample	Borehole	0.07	ohm.m
SHT	Surface Hole Temperature	Borehole	20	degC
ATMP_ARC	ARC Temperature Selection	ARC6	Annular	
UNIFORM_COMPUTE	Uniform Rock Computation Option	ARC6	No	

Tool Control Parameters

Run 4: Parameters

Parameter	Description	Tool	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DNMSESSION	0.4	m

Run4

Run4 DML

Software Version

Acquisition System	Version
Maxwell 2018 SP2	8.2.104493.3100

Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run 4	Ream Down 2	Down	4680.41 m	4824.30 m	10-Jan-2019 5:43:25 PM	11-Jan-2019 1:57:18 AM	Yes
Run 4	Ream Down 3	Down	4800.40 m	4841.62 m	11-Jan-2019 1:57:24 AM	11-Jan-2019 4:41:34 AM	Yes
Run 4	Ream Down 4	Down	4837.43 m	4840.12 m	11-Jan-2019 4:41:41 AM	11-Jan-2019 7:37:30 PM	Yes

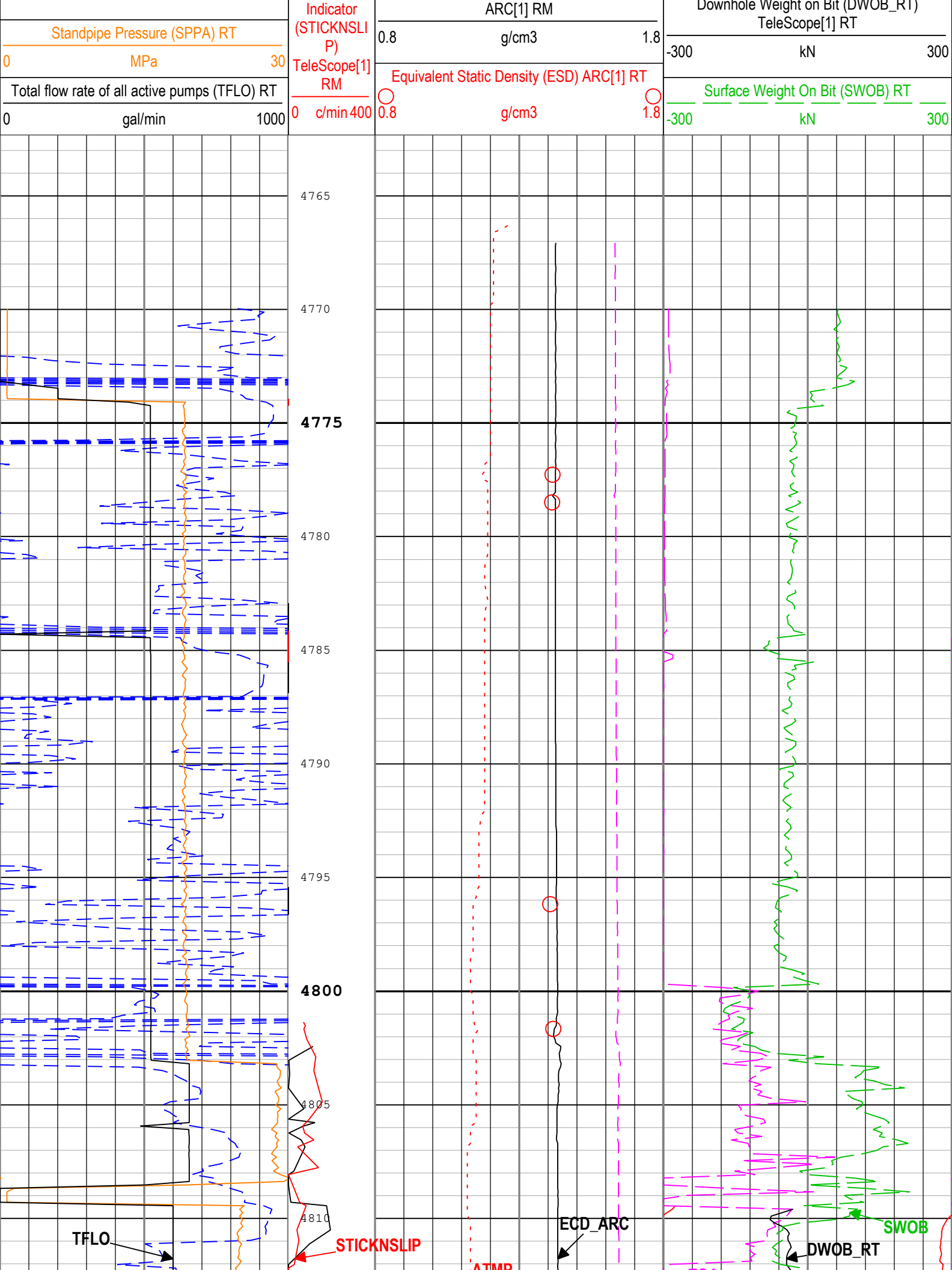
All depths are referenced to toolstring zero

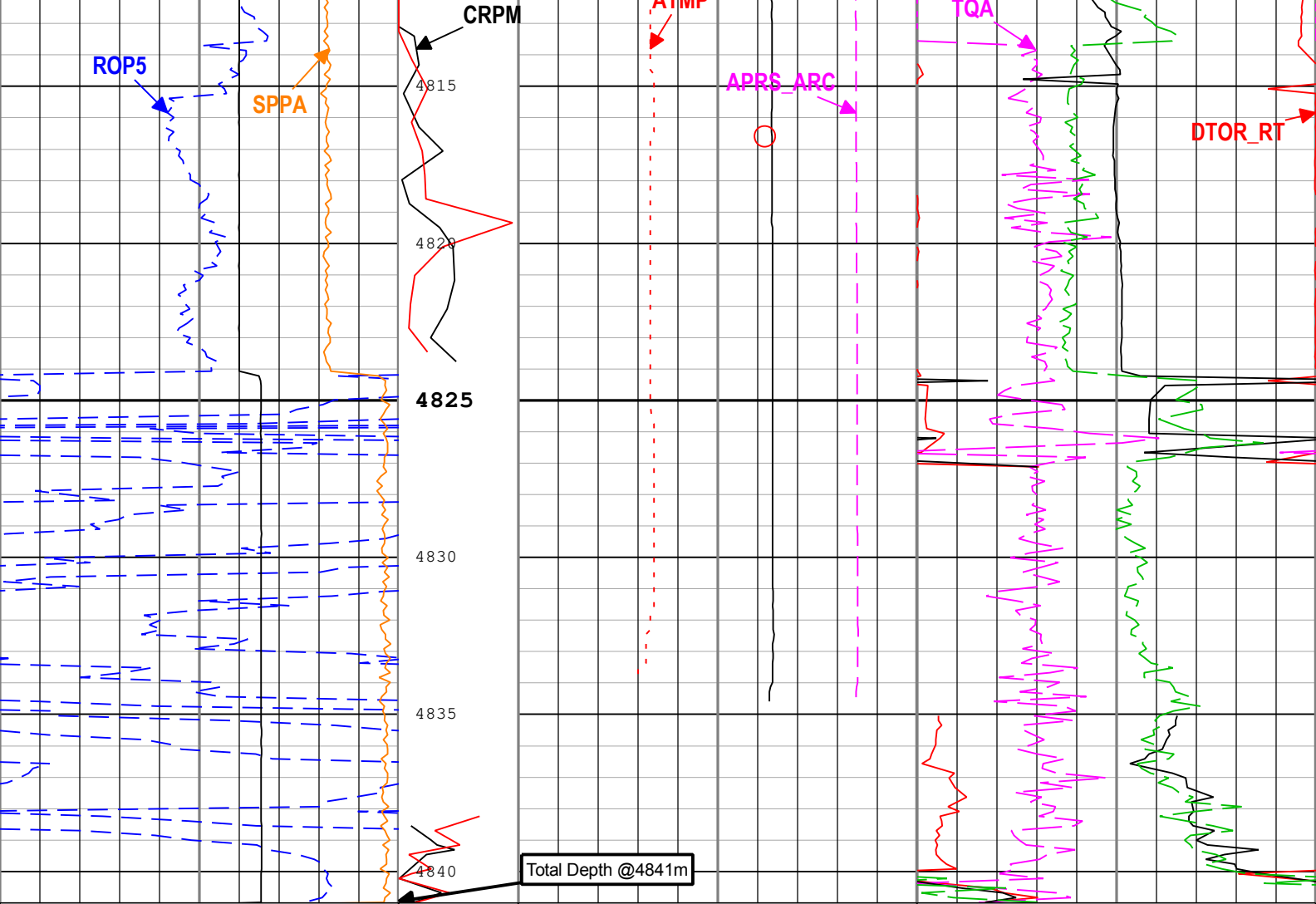
Log

Company: JAMSTEC Well: C0002R
Run4: S074

Description: Format: Log (Drilling Mechanics Log 675 RM MD) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 05-Mar-2019 19:49:28

Collar Rotational Speed (CRPM) TeleScope[1] RM	0	c/min 200	Downhole Annulus Pressure (APRS_ARC) ARC[1] RM	0	80	MPa
			Downhole Torque (MWD) (DTOR_RT) TeleScope[1] RT	0	50	kN.m
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT	0	m/h	Downhole Annulus Temperature (ATMP) ARC[1] RM	0	100	degC
			Surface Torque (TQA) RT	0	50	kN.m
50	0	Stick Slip	Equivalent Circulating Density (ECD_ARC)			





Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT 50 m/h 0	Collar Rotational Speed (CRPM) TeleScope[1] RM 0 c/min 200	Downhole Annulus Pressure (APRS_ARC) ARC[1] RM 0 MPa 80	Downhole Torque (MWD) (DTOR_RT) TeleScope[1] RT 0 kN.m 50
Standpipe Pressure (SPPA) RT 0 MPa 30	Stick Slip Indicator (STICKNSLI P) TeleScope[1] RM 0 c/min 400	Downhole Annulus Temperature (ATMP) ARC[1] RM 0 degC 100	Surface Torque (TQA) RT 0 kN.m 50
Total flow rate of all active pumps (TFLO) RT 0 gal/min 1000		Equivalent Circulating Density (ECD_ARC) ARC[1] RM 0.8 g/cm3 1.8	Downhole Weight on Bit (DWOB_RT) TeleScope[1] RT -300 kN 300
		Equivalent Static Density (ESD) ARC[1] RT 0.8 g/cm3 1.8	Surface Weight On Bit (SWOB) RT -300 kN 300

Description: Format: Log (Drilling Mechanics Log 675 RM MD) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 05-Mar-2019 19:49:28

Channel Processing Parameters

Run 4: Parameters

Parameter	Description	Tool	Value	Unit
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.39	g/cm3
FLEV	Depth of Drilling Fluid Level to LMF (Log Measured From)	Borehole	3	m
RHO_SEAWATER	Density of the Sea Water	Borehole	1.022	g/cm3
SF_FLAG	Mud Return to Sea Floor (No Riser)?	Borehole	No	

Tool Control Parameters

Run 4: Parameters

Parameter	Description	Tool	Value	Unit
DTOF	DTOR Offset	TELE675-IWOB	Time Zoned	kN.m
DWOB_BETA	DWOB Beta Pressure Correction Factor	TELE675-IWOB	Time Zoned	
DWOF	DWOB Offset	TELE675-IWOB	Time Zoned	kN
DWOB_ZEROOOLP	DWOB Differential Pressure Drop at Zero Weight-on-Bit	TELE675-IWOB	Time Zoned	MPa
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DNMSESSION	0.4	m

Run 4Time Zoned Parameters**Pass Ream Down 2**

Parameter	Value	Start Time	Stop Time	Start Depth (m)	Stop Depth (m)
DTOF		10-Jan-2019 17:43:25	11-Jan-2019 00:20:15	4770	4809.541
DTOF	-14.15	11-Jan-2019 00:20:15	11-Jan-2019 00:41:18	4809.541	4813.732
DTOF	-11.84	11-Jan-2019 00:41:18	11-Jan-2019 00:42:34	4813.732	4813.732
DTOF	-12.08	11-Jan-2019 00:42:34	11-Jan-2019 00:43:12	4813.732	4813.732
DTOF	-11.96	11-Jan-2019 00:43:12	11-Jan-2019 01:57:18	4813.732	4824.22
DWOB_BETA		10-Jan-2019 17:43:25	11-Jan-2019 00:23:18	4770	4809.541
DWOB_BETA	4.37	11-Jan-2019 00:23:18	11-Jan-2019 00:24:23	4809.541	4809.541
DWOB_BETA	4.36	11-Jan-2019 00:24:23	11-Jan-2019 00:44:59	4809.541	4813.732
DWOB_BETA	4.09	11-Jan-2019 00:44:59	11-Jan-2019 00:45:44	4813.732	4813.732
DWOB_BETA	4.17	11-Jan-2019 00:45:44	11-Jan-2019 01:57:18	4813.732	4824.22
DWOF		10-Jan-2019 17:43:25	11-Jan-2019 00:23:18	4770	4809.541
DWOF	-696.15	11-Jan-2019 00:23:18	11-Jan-2019 00:44:59	4809.541	4813.732
DWOF	-649.44	11-Jan-2019 00:44:59	11-Jan-2019 01:57:18	4813.732	4824.22
DWOB_ZEROOOLP		10-Jan-2019 17:43:25	11-Jan-2019 00:23:18	4770	4809.541
DWOB_ZEROOOLP	4.77	11-Jan-2019 00:23:18	11-Jan-2019 00:24:23	4809.541	4809.541
DWOB_ZEROOOLP	4.77	11-Jan-2019 00:24:23	11-Jan-2019 00:44:59	4809.541	4813.732
DWOB_ZEROOOLP	4.76	11-Jan-2019 00:44:59	11-Jan-2019 00:45:44	4813.732	4813.732
DWOB_ZEROOOLP	4.76	11-Jan-2019 00:45:44	11-Jan-2019 01:57:18	4813.732	4824.22

Pass Ream Down 3

DTOF	-11.96	11-Jan-2019 02:36:30	11-Jan-2019 04:41:34	4824.235	4841.443
DWOB_BETA	4.17	11-Jan-2019 02:36:30	11-Jan-2019 04:41:34	4824.235	4841.443
DWOF	-649.44	11-Jan-2019 02:36:30	11-Jan-2019 04:41:34	4824.235	4841.443
DWOB_ZEROOOLP	4.76	11-Jan-2019 02:36:30	11-Jan-2019 04:41:34	4824.235	4841.443

Pass Ream Down 4

DTOF	-11.96	11-Jan-2019 04:41:48	11-Jan-2019 19:37:30	4837.481	4838.852
DWOB_BETA	4.17	11-Jan-2019 04:41:48	11-Jan-2019 19:37:30	4837.481	4838.852
DWOF	-649.44	11-Jan-2019 04:41:48	11-Jan-2019 19:37:30	4837.481	4838.852
DWOB_ZEROOOLP	4.76	11-Jan-2019 04:41:48	11-Jan-2019 19:37:30	4837.481	4838.852

All depth are at tool zero.

Calibration Report**ARC6 (Array Resistivity Compensated 675) Calibration - Run 4**

Primary Equipment :

Elec. Chassis HP with AIM Receiver

AREA

126

RESAIRCAL - Resistivity: Air

Master (Time Frame File): 18:57:26 15-Nov-2018

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Attenuation T1 at 2 MHz	dB	Master	8.500	6.500	8.275	10.500	
Attenuation T2 at 2 MHz	dB	Master	6.500	4.500	6.730	8.500	
Attenuation T3 at 2 MHz	dB	Master	4.500	2.500	4.874	6.500	
Attenuation T4 at 2 MHz	dB	Master	4.600	2.600	4.625	6.600	
Attenuation T5 at 2 MHz	dB	Master	3.600	1.600	3.419	5.600	
Phase Shift T1 at 2 MHz	deg	Master	0.100	-3.900	1.048	4.100	
Phase Shift T2 at 2 MHz	deg	Master	0.100	-3.900	-1.065	4.100	
Phase Shift T3 at 2 MHz	deg	Master	0.100	-3.900	0.993	4.100	
Phase Shift T4 at 2 MHz	deg	Master	0.100	-3.900	-1.095	4.100	
Phase Shift T5 at 2 MHz	deg	Master	0.100	-3.900	1.001	4.100	
Attenuation T1 at 400 KHz	dB	Master	8.500	6.500	8.324	10.500	
Attenuation T2 at 400 KHz	dB	Master	6.500	4.500	6.691	8.500	
Attenuation T3 at 400 KHz	dB	Master	4.500	2.500	4.919	6.500	
Attenuation T4 at 400 KHz	dB	Master	4.600	2.600	4.580	6.600	
Attenuation T5 at 400 KHz	dB	Master	3.600	1.600	3.477	5.600	
Phase Shift T1 at 400 KHz	deg	Master	0.100	-3.900	0.501	4.100	
Phase Shift T2 at 400 KHz	deg	Master	0.100	-3.900	-0.470	4.100	
Phase Shift T3 at 400 KHz	deg	Master	0.100	-3.900	0.493	4.100	
Phase Shift T4 at 400 KHz	deg	Master	0.100	-3.900	-0.501	4.100	
Phase Shift T5 at 400 KHz	deg	Master	0.100	-3.900	0.480	4.100	

GRGAIN - Gamma Ray: Blanket

Master (Time Frame File): 00:06:52 15-Nov-2018

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Calibration Gain		Master	1.000	0.580	1.081	1.250	

Company: JAMSTEC
Well: C0002R
Field: C0002
Rig Name: D/V Chikyu
Prefecture: Wakayama
Country: Japan



VISION Resistivity
Gamma Ray - Resistivity

C0002R Run4, Recorded Mode Log, Measured Depth 1:200