

VISION Resistivity Image

Gamma Ray - Resistivity

C0024A Run1, Recorded Mode Log, Measured
Depth 1:200



Company: JAMSTEC

Well: C0024A

Field: C0024

Rig Name: D/V Chikyū

Prefecture: Wakayama

Country: Japan

Latitude: 33° 2' 2.638" N

Longitude: 136° 47' 23.946" E

Block:

UWID:

Rig Name:

Rig Type:

D/V Chikyū

Drill ship

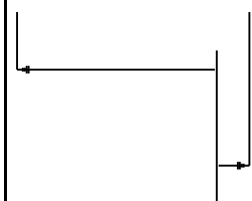
FL: Pacific Ocean

FL1: X=667,159.78m

FL2: Y=3,656,517.23m

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

Ground Level: 3841.50 m



Acquisition Dates: 10-Mar-2019

Other Services:

Log Interval: 3860.00(m)MD-3885.00(m)MD

Direction and Inclination

Index Types: Measured Depth

seismic/VISION

Index Scales: 1:200

SonicScope

Depth Source: Driller's Depth

Depth Sensor: DES

Print Type: Field

Spud Date: 06-Mar-2019



Disclaimer

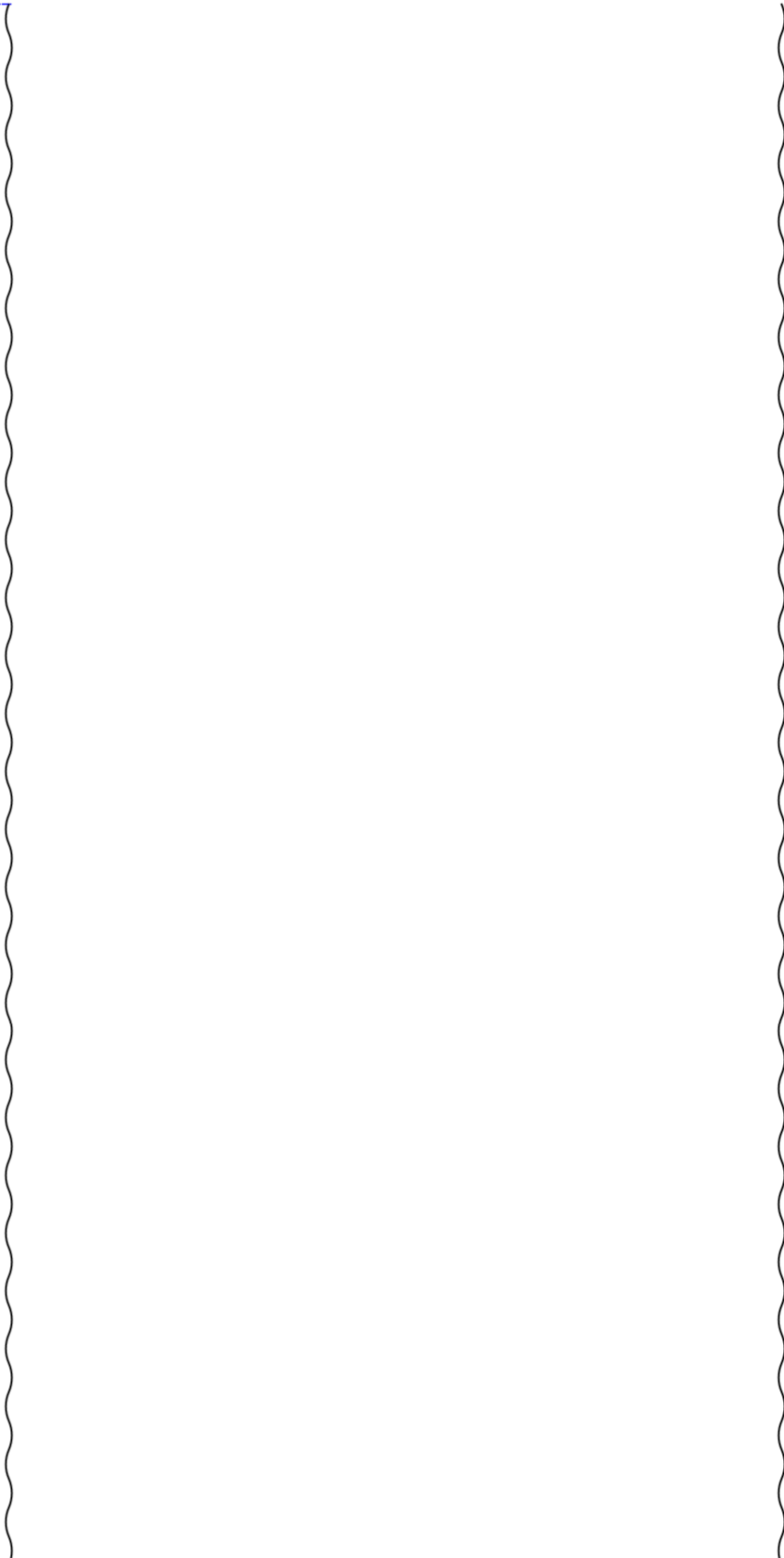
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Well Sketch

Driller Depth
3870.000 m





Borehole Size/Casing Record

Bit					
Bit Size (in)	8.5				
Top Driller (m)	3870				
Bottom Driller (m)	4739				

Operational Run Summary

Parameter (unit)	Run1				
Date Log Started	05-Mar-2019				
Time Log Started	12:00:28				
Date Log Finished	10-Mar-2019				
Time Log Finished	18:17:31				
Bit Size (in)	8.500				
Bit Start Depth (m)	3870.00				
Bit Stop Depth (m)	4739.00				
Top Log Interval (m)	3870.00				
Bottom Log Interval (m)	4838.03				
Max Hole Deviation (deg)	9.02				
Azimuth of Max Deviation (deg)	265.80				
Logging Unit Number	OLU-MB8054				
Logging Unit Location	Zone2				
Recorded By	SMoriyama/YeP u				
Witnessed By	Y.Sanada/Y.Kido				
Service Order Number	19JAP0009				

Borehole Fluids

Parameter(unit)	Run1				
Fluid Type	Water				
Fluid Name	Sea Water				
Max Recorded Temperatures (degC)	NaN				
Source of Sample	Active Tank				
Salinity (ppm)	32980.02				
Density (g/cm3)	1.025				



TELE675-IWOB **19.99** Schlumberger

— **D&I** **15.69**

— **GR** **15.04**

• — **ROP** **13.34**

• — **IWOB** **12.33**

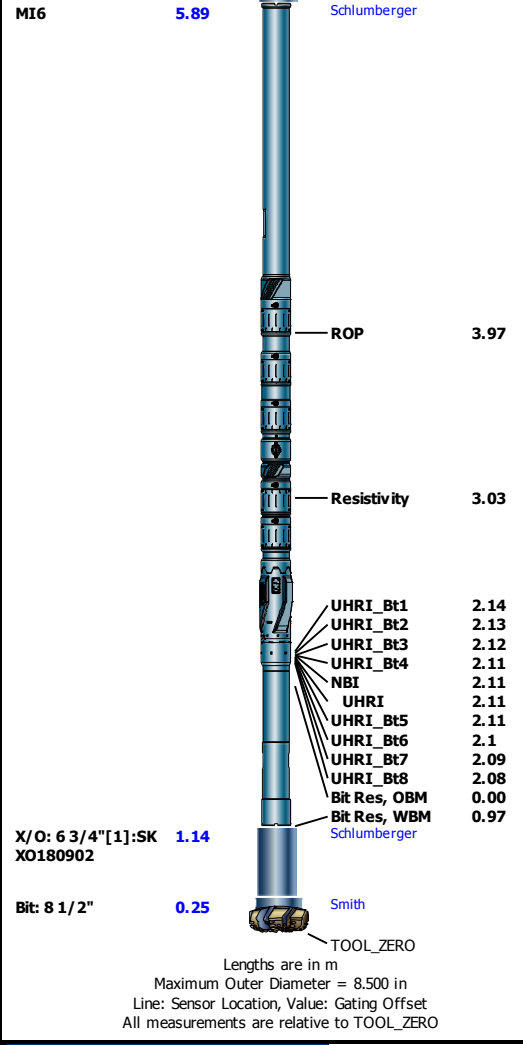
ARC6 **11.56** Schlumberger

• — **ROP** **9.35**

— **GR** **8.28**

— **Resistivity** **8.23**

— **Pressure** **7.52**



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 :	0.98 deg		

Rig Location

Latitude :	33° 2' 2.638" N	Longitude :	136° 47' 23.946" E
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Tie In Point

Measured Depth:	0.00 m	Inclination:	0.00 deg	Azimuth:	0.00 deg
True Vertical Depth:	0.00 m	North Displacement:	0.00 m	East Displacement:	0.00 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 - Run1

Geomagnetic Model :	HDGM 2018	Geomagnetic Date :	05-Mar-2019
Computed Location B :	46004.34 nT +/- 300.00nT	Used Location B :	46004.34 nT +/- 300.00nT
Computed Location G :	998.89 mgn +/- 2.50mgn	Used Location G :	998.89 mgn +/- 2.50mgn
Computed Magnetic Dip :	46.61 deg +/- 0.45deg	Used Magnetic Dip :	46.61 deg +/- 0.45deg
Computed Magnetic Dec :	-7.11 deg	Used Magnetic Dec :	-7.11 deg
Computed Total Correction :	-8.09 deg	Used Total Correction :	-8.09 deg

Survey Quality Index

0 : Long Survey passed all criteria	3 : Long Survey failed G criteria	9 : Manual
28 : Tie-In Point		

Survey Correction Index

0 : No correction

Survey Description Index

0 : Not Flagged Survey

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	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	00.00	0.00	TIP	28	0	0

2	3870.00	0.00	0.00	3870.00	3870.00	0.00	0.00	0.00	0.00	90.00	0.00	Other	9	0	0
3	3928.66	5.53	227.41	58.66	3928.57	-1.92	-1.92	-2.08	2.83	227.41	2.83	TeleScope	0	0	0
4	3945.27	6.65	227.96	16.61	3945.09	-3.10	-3.10	-3.39	4.59	227.52	2.02	TeleScope	3	0	0
5	3983.90	6.50	229.68	38.63	3983.46	-6.01	-6.01	-6.72	9.02	228.15	0.20	TeleScope	0	0	0
6	4021.67	5.22	233.96	37.77	4021.03	-8.41	-8.41	-9.74	12.86	229.18	1.07	TeleScope	3	0	0
7	4058.60	4.79	237.67	36.93	4057.82	-10.22	-10.22	-12.40	16.07	230.49	0.44	TeleScope	0	0	0
8	4098.71	4.75	239.28	40.11	4097.79	-11.97	-11.97	-15.24	19.38	231.86	0.10	TeleScope	0	0	0
9	4134.48	4.68	237.87	35.77	4133.44	-13.50	-13.50	-17.75	22.30	232.75	0.11	TeleScope	3	0	0
10	4175.94	5.03	243.39	41.47	4174.76	-15.22	-15.22	-20.81	25.78	233.83	0.42	TeleScope	0	0	0
11	4213.66	4.82	248.95	37.72	4212.34	-16.52	-16.52	-23.77	28.95	235.19	0.41	TeleScope	3	0	0
12	4246.12	4.93	251.76	32.46	4244.68	-17.45	-17.45	-26.36	31.62	236.50	0.24	TeleScope	3	0	0
13	4284.84	4.65	259.91	38.72	4283.27	-18.25	-18.25	-29.49	34.68	238.25	0.57	TeleScope	0	0	0
14	4324.77	4.72	259.22	39.93	4323.06	-18.84	-18.84	-32.70	37.74	240.05	0.07	TeleScope	3	0	0
15	4363.64	5.00	260.37	38.87	4361.78	-19.42	-19.42	-35.94	40.85	241.62	0.23	TeleScope	3	0	0
16	4403.00	5.52	262.02	39.37	4400.99	-19.97	-19.97	-39.51	44.27	243.18	0.41	TeleScope	3	0	0
17	4442.09	5.79	263.71	39.08	4439.88	-20.45	-20.45	-43.33	47.91	244.74	0.25	TeleScope	0	0	0
18	4481.48	6.33	263.42	39.39	4479.06	-20.91	-20.91	-47.46	51.86	246.22	0.41	TeleScope	0	0	0
19	4520.43	6.69	264.04	38.94	4517.75	-21.40	-21.40	-51.85	56.09	247.58	0.28	TeleScope	3	0	0
20	4559.50	6.97	261.56	39.08	4556.55	-21.98	-21.98	-56.46	60.58	248.73	0.31	TeleScope	0	0	0
21	4598.70	7.31	265.11	39.19	4595.44	-22.54	-22.54	-61.29	65.31	249.81	0.43	TeleScope	0	0	0
22	4637.51	7.84	264.94	38.81	4633.91	-22.99	-22.99	-66.39	70.26	250.90	0.41	TeleScope	0	0	0
23	4677.28	8.43	264.38	39.77	4673.28	-23.51	-23.51	-71.99	75.73	251.91	0.45	TeleScope	0	0	0
24	4716.26	9.02	265.80	38.98	4711.81	-24.01	-24.01	-77.89	81.50	252.86	0.48	TeleScope	0	0	0

Run1

Run1_Mud Line Check

Software Version

Acquisition System	Version
Maxwell 2018 SP2	8.2.104493.3100

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run1	Ream Up 9	Up	3849.32 m	3885.49 m	10-Mar-2019 5:19:10 AM	10-Mar-2019 6:39:25 AM	No

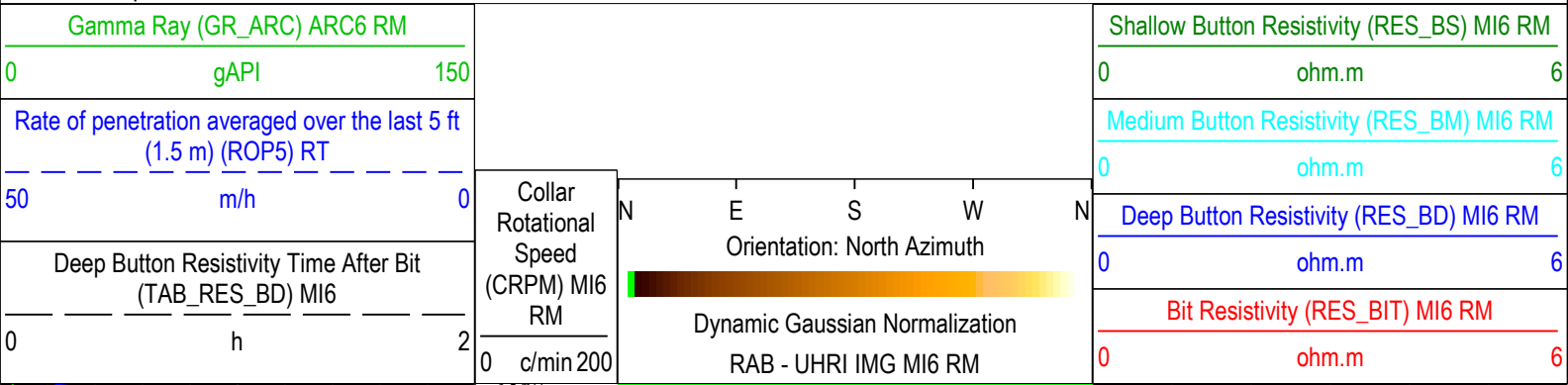
All depths are referenced to toolstring zero

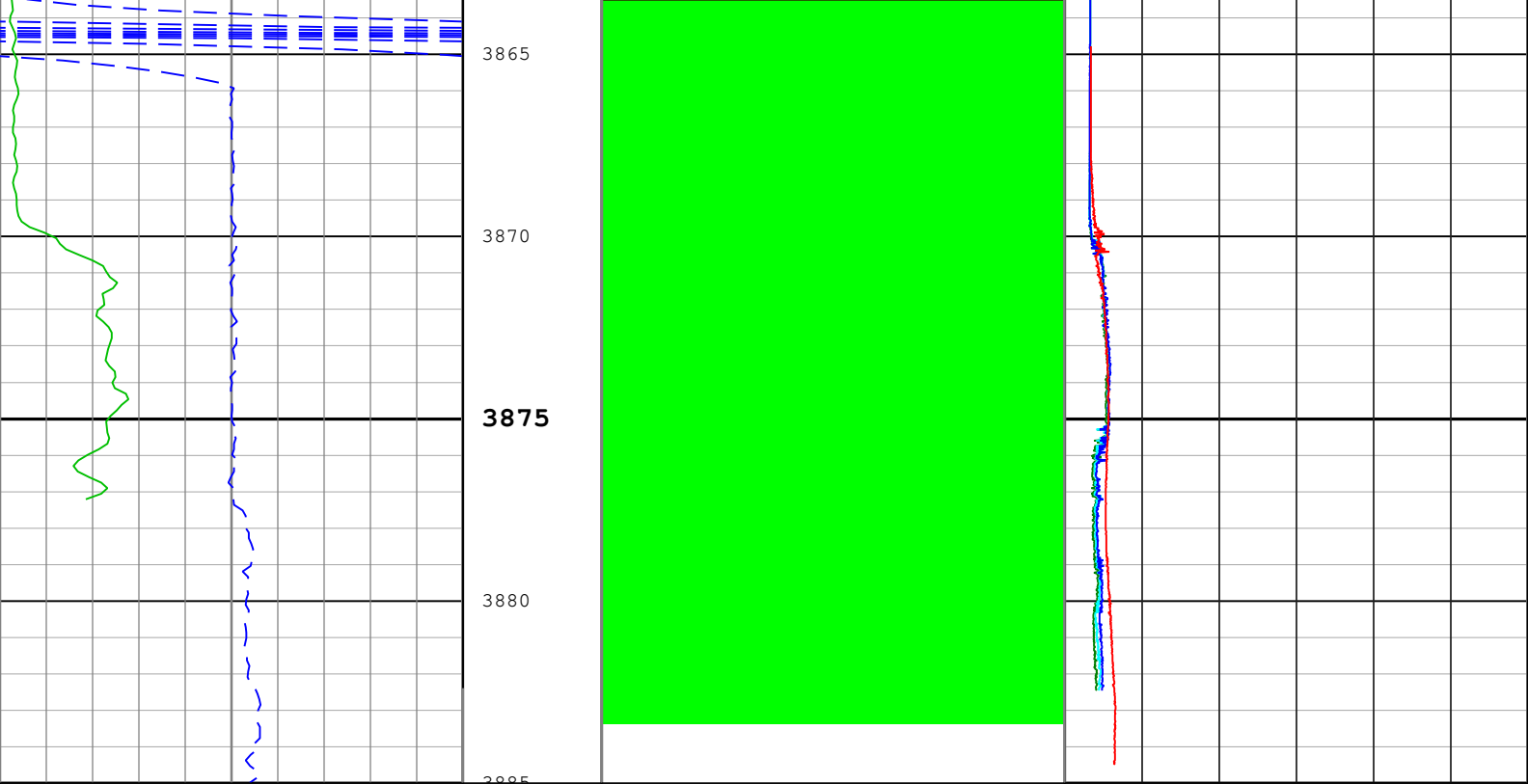
Log

Company: JAMSTEC Well: C0024A

Run1: Ream Up 9: S066

Description: MicroScope Resistivity, Deep Button Image RM Format: Log (MI6 Res, UHRI RM MD) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 11-Mar-2019 09:50:03





Gamma Ray (GR_ARC) ARC6 RM 0 gAPI 150	Collar Rotational Speed (CRPM) MI6 RM 0 c/min 200	Dynamic Gaussian Normalization RAB - UHRI IMG MI6 RM Orientation: North Azimuth	Shallow Button Resistivity (RES_BS) MI6 RM 0 ohm.m 6
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT 50 m/h 0			Medium Button Resistivity (RES_BM) MI6 RM 0 ohm.m 6
Deep Button Resistivity Time After Bit (TAB_RES_BD) MI6 0 h 2			Deep Button Resistivity (RES_BD) MI6 RM 0 ohm.m 6
			Bit Resistivity (RES_BIT) MI6 RM 0 ohm.m 6

Description: MicroScope Resistivity, Deep Button Image RM Format: Log (MI6 Res, UHRI RM MD) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 11-Mar-2019 09:50:03

Channel Processing Parameters

Run1: Parameters

Parameter	Description	Tool	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	0	%
BHT	Bottom Hole Temperature	Borehole	100	degC
BS	Bit Size	DNMSESSION	8.5	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.025	g/cm3
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
GCSE_RM	Generalized Caliper Selection for DnM recorded mode	Borehole	BS	
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	
JOBID	Job Identification	DNMSESSION	19JAP0009	
MST	Mud Sample Temperature	Borehole	22.1	degC
RMS	Resistivity of Mud Sample	Borehole	0.2	ohm.m
SHT	Surface Hole Temperature	Borehole	20	degC
UHRI_IMG_T	UHRI Image Type	MI6	UHRI Raw	

Tool Control Parameters

Run1: Parameters				
Parameter	Description	Tool	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DNMSESSION	0.6	m

Calibration Report

ARC6 (Array Resistivity Compensated 675) Calibration - Run Run1

Primary Equipment : Elec. Chassis HP with AIM Receiver AREA

RESAIRCAL - Resistivity: Air

Master (Time Frame File): 01:33:55 03-Jan-2019

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Attenuation T1 at 2 MHz	dB	Master	8.500	6.500	8.298	10.500	
Attenuation T2 at 2 MHz	dB	Master	6.500	4.500	6.662	8.500	
Attenuation T3 at 2 MHz	dB	Master	4.500	2.500	4.923	6.500	
Attenuation T4 at 2 MHz	dB	Master	4.600	2.600	4.570	6.600	
Attenuation T5 at 2 MHz	dB	Master	3.600	1.600	3.479	5.600	
Phase Shift T1 at 2 MHz	deg	Master	0.100	-3.900	0.001	4.100	
Phase Shift T2 at 2 MHz	deg	Master	0.100	-3.900	0.071	4.100	
Phase Shift T3 at 2 MHz	deg	Master	0.100	-3.900	-0.071	4.100	
Phase Shift T4 at 2 MHz	deg	Master	0.100	-3.900	0.042	4.100	
Phase Shift T5 at 2 MHz	deg	Master	0.100	-3.900	-0.086	4.100	
Attenuation T1 at 400 KHz	dB	Master	8.500	6.500	8.261	10.500	
Attenuation T2 at 400 KHz	dB	Master	6.500	4.500	6.711	8.500	
Attenuation T3 at 400 KHz	dB	Master	4.500	2.500	4.874	6.500	
Attenuation T4 at 400 KHz	dB	Master	4.600	2.600	4.611	6.600	
Attenuation T5 at 400 KHz	dB	Master	3.600	1.600	3.437	5.600	
Phase Shift T1 at 400 KHz	deg	Master	0.100	-3.900	0.907	4.100	
Phase Shift T2 at 400 KHz	deg	Master	0.100	-3.900	-1.041	4.100	
Phase Shift T3 at 400 KHz	deg	Master	0.100	-3.900	0.956	4.100	
Phase Shift T4 at 400 KHz	deg	Master	0.100	-3.900	-1.006	4.100	
Phase Shift T5 at 400 KHz	deg	Master	0.100	-3.900	0.952	4.100	

GRGAIN - Gamma Ray: Blanket

Master (Time Frame File): 00:31:30 03-Jan-2019

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Calibration Gain		Master	1.000	0.580	1.068	1.250	

Company: JAMSTEC
 Well: C0024A
 Field: C0024
 Rig Name: D/V Chikyu
 Prefecture: Wakayama
 Country: Japan



