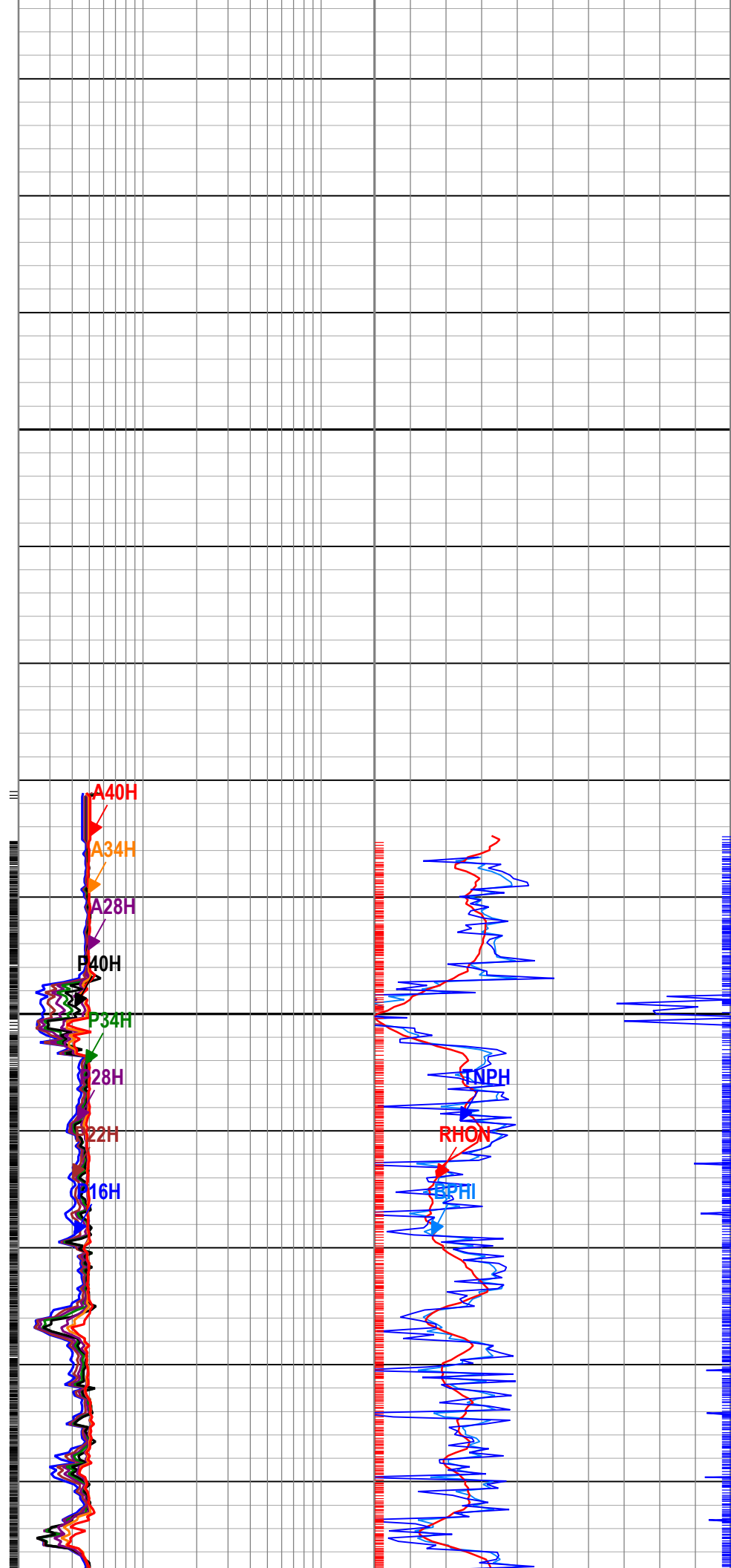
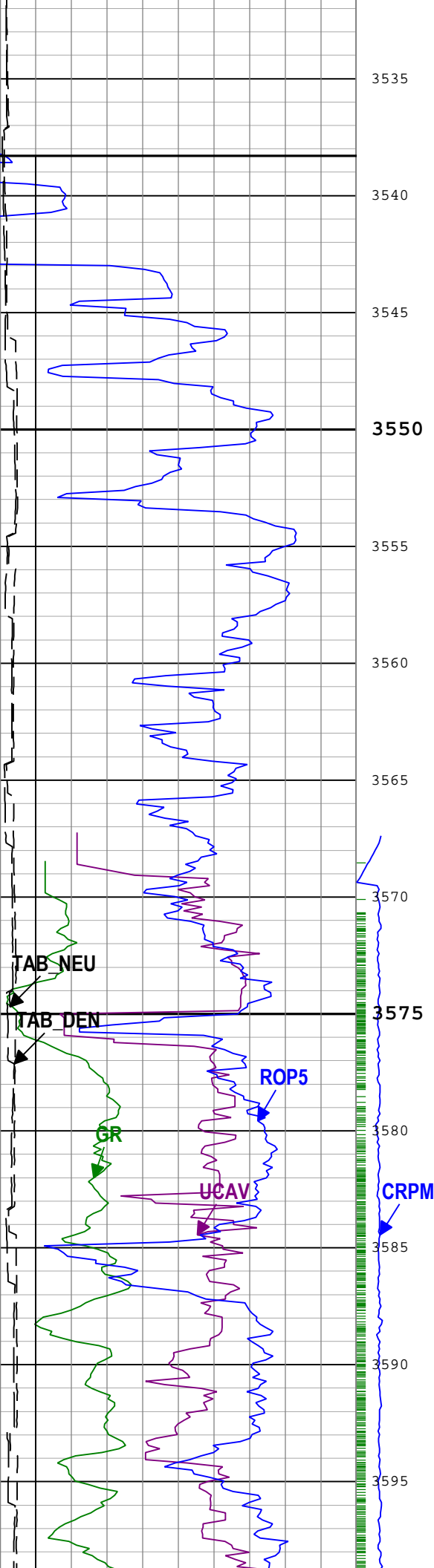
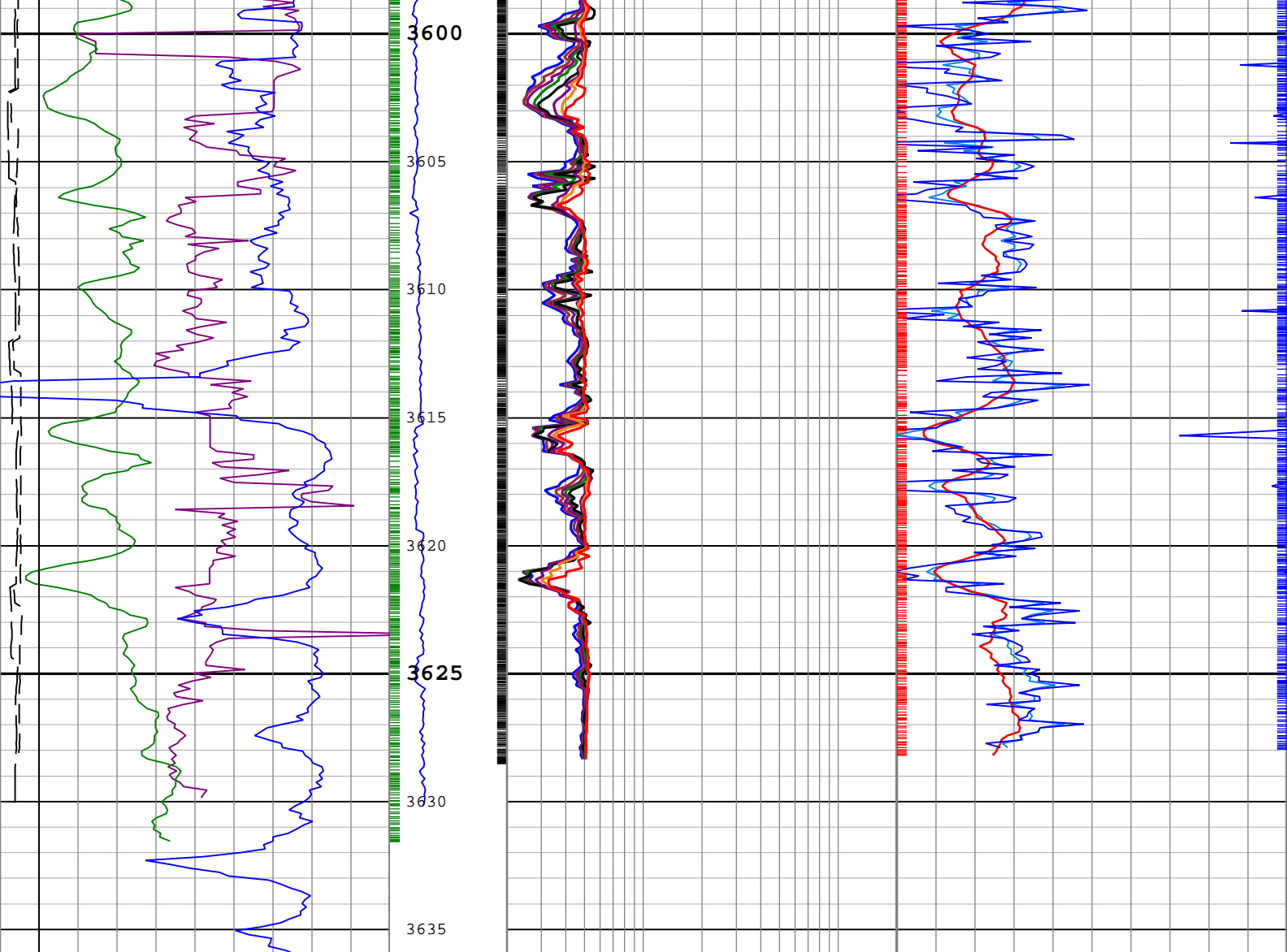


EcoScope Service										Schlumberger									
1:240 Measured Depth																			
Recorded Mode Data																			
Company:					IODP														
Well:					U1520A														
Field:					HSM-05A														
Rig Name:					Joides Resolution														
Expedition:					372														
Country:					New Zealand														
Latitude:					38° 58' 9.84" S					UWID:									
Longitude:					178° 7' 56.1" E					Rig Name:					Joides Resolution				
Block:					EXP372					Rig Type:					Drill Ship				
FL:																			
FL1:																			
FL2:																			
Log Measured From: - Drill Floor: 11.00 m																			
Permanent Datum: - Mean Sea Level																			
Ground Level: 3527.30 m																			
Acquisition Dates:					26-Dec-2017 ~ 27-Dec-2017					Other Services:									
Log Interval:					3530.00(m) ~ 3636.00(m)					SonicScope									
Index Types:					Measured Depth					proVISION Plus									
Index Scales:					1:240					geoVISION Images									
Depth Source:					Driller's Depth					StethoScope									
Depth Sensor:					DES														
Print Type:					Final														
Spud Date:					26-Dec-2017														

HSPM		20.3c.062		7.3.92069.3100			
Tool Elements		Description			Software Version		Firmware Version
DRILLING_SURFACE		DRILLING_SURFACE			7.3.92069.3100		
DVME		NeoScope 6.75 - Electronics Chassis			7.3.92069.3100		V5.300
Pass Summary							
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run 1	Drilling	Down	3505.48 m	3636.67 m	26-Dec-2017 10:05:45 AM	27-Dec-2017 2:47:40 AM	Yes
All depths are referenced to toolstring zero							
Log		Company:IODP Well:U1520A Run 1: Drilling:S008					
Description: NeoScope Triple Combo Service Depth Without QC Format: Log (FINAL ECO LOG 1) Index Scale: 1:240 Index Unit: m Index Type: Measured Depth Creation Date: 31-Dec-2017 19:18:23							
└─ TICK_GR - Gamma Ray Samples DV6MTN RM							
TICK_NEU - Neutron Ticks, 0.1 ft DV6MTN RM ─							
TICK_RHON - RHON Tick Marks DV6MTN RM└─							
└─TICK_ARC_RES - ARC Resistivity Samples DV6MTN RM							
			Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H) DV6MTN RM				
			0.2	ohm.m	2000		
			Phase Shift Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected. (P22H) DV6MTN RM				
			0.2	ohm.m	2000		
			Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H) DV6MTN RM				
			0.2	ohm.m	2000		
			Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H) DV6MTN RM				
			0.2	ohm.m	2000		
Ultrasonic Caliper Average (UCAV) DV6MTN RM			Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H) DV6MTN RM				
8	in	13	0.2	ohm.m	2000		
Gamma Ray (GR) DV6MTN RM			Attenuation Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected (A28H) DV6MTN RM				
0	gAPI	150	0.2	ohm.m	2000		
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT			Best Thermal Neutron Porosity, Average (BPHI) DV6MTN RM				
100	m/h	0	0.2	ohm.m	2000	1	m3/m3 0
Bit Size (BS)			Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H) DV6MTN RM				
8	in	13	0.2	ohm.m	2000	Bulk Density from Neutron, Average Filtered (RHON) DV6MTN RM	
Density Time After Bit (TAB_DEN) DV6MTN			1 g/cm3 3				
0	h	10	Collar Rotational Speed (CRPM) DV6MTN RM			Thermal Neutron Porosity (Ratio Method) in Selected Lithology (TNPH) DV6MTN RM	
Neutron Time After Bit (TAB_NEU) DV6MTN			0 c/min 200	0.2	ohm.m	2000	1 m3/m3 0
0	h	10					





Ultrasonic Caliper Average (UCAV) DV6MTN RM		
8	in	13
Gamma Ray (GR) DV6MTN RM		
0	gAPI	150
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		
100	m/h	0
Bit Size (BS)		
8	in	13
Density Time After Bit (TAB_DEN) DV6MTN		
0	h	10
Neutron Time After Bit (TAB_NEU) DV6MTN		
0	h	10

Collar Rotational Speed (CRPM) DV6MTN RM	
0	c/min 200

Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H) DV6MTN RM		
0.2	ohm.m	2000
Phase Shift Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected. (P22H) DV6MTN RM		
0.2	ohm.m	2000
Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H) DV6MTN RM		
0.2	ohm.m	2000
Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H) DV6MTN RM		
0.2	ohm.m	2000
Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H) DV6MTN RM		
0.2	ohm.m	2000
Attenuation Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected (A28H) DV6MTN RM		

Best Thermal Neutron Porosity, Average (BPHI) DV6MTN RM		
1	m3/m3	0
Bulk Density from Neutron, Average Filtered (RHON) DV6MTN RM		
1	g/cm3	3
Thermal Neutron Porosity (Ratio Method) in Selected Lithology (TNPH) DV6MTN RM		
1	m3/m3	0

	0.2	ohm.m	2000
	Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H) DV6MTN RM		
	0.2	ohm.m	2000
	Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (A40H) DV6MTN RM		
	0.2	ohm.m	2000
└─TICK_ARC_RES - ARC Resistivity Samples DV6MTN RM			
TICK_RHON - RHON Tick Marks DV6MTN RM└─			
TICK_NEU - Neutron Ticks, 0.1 ft DV6MTN RM└─			
└─TICK_GR - Gamma Ray Samples DV6MTN RM			

Description: NeoScope Triple Combo Service Depth Without QC
Format: Log (FINAL ECO LOG 1)
Index Scale: 1:240
Index Unit: m
Index Type: Measured Depth
Creation Date: 31-Dec-2017 19:18:23

Channel Processing Parameters				
Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
ABNT	Abnormal Transmitter Indicator	DV6MTN	NO_TX_FAILED	
BH_OPT	Borehole Effect Computation Option	DV6MTN	No	
BHK	Drilling Fluid Potassium Concentration	Borehole	0	%
BHT	Bottom Hole Temperature	Borehole	2	degC
BS	Bit Size	DNMSESSION	8.5	in
BSAL	Borehole Salinity	Borehole	35000	ppm
CALI_SEL_GR	Hole-Size Correction Source for Gamma-Ray Processing	DV6MTN	GCSE	
CALI_SEL_NEU	Hole-Size Correction Source for Neutron Processing	DV6MTN	GCSE	
CALI_SEL_NGD	Hole-Size Correction Source for Neutron Gamma Density Processing	DV6MTN	Ultrasonic	
CHI	Caliper High Limit from BS (RM)	DV6MTN	10	in
CLO	Caliper Low Limit from BS (RM)	DV6MTN	-5	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	8.6	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
DTMD	Borehole Fluid Slowness	Borehole	180	us/ft
DTMD_DH	Delta-T for Mud Downhole	DV6MTN	180	us/ft
ERRCT	Percentage Error Cutoff	DV6MTN	4.5	%
FSAL	Formation Salinity	Borehole	6126.75	ppm
GCSE_RM	Generalized Caliper Selection for DnM recorded mode	Borehole	BS	
GR_O2COR_OPT	Enable Gamma Ray Oxygen Activation Correction	DV6MTN	Yes	
GRSE_RM	Generalized Mud Resistivity Selection for Recorded Mode	Borehole	REMS(RM)	
GRSH	Gamma Ray Shale	DV6MTN	1000	gAPI
GTSE_RM	Generalized Temperature Selection for Recorded Mode	Borehole	DHAT(RM)	
HIGH_BLEND	High Resistivity Threshold for Blending	DV6MTN	2	ohm.m
INVAS_OPT	Invasion Computation Option	DV6MTN	No	
LOW_BLEND	Low Resistivity Threshold for Blending	DV6MTN	1	ohm.m
MATR	Rock Matrix for Neutron Porosity Corrections	Borehole	LIMESTONE	
MST	Mud Sample Temperature	Borehole	23.89	degC
MSWS	ARCWizard Model Switch Window Size	DV6MTN	152.4	cm
MULTIEFF_OPT	Multi-effect Computation Option	DV6MTN	No	

NEU_FTUBE_OPT	Far Thermal Tube Selection	DV6MTN	Both	
NEU_NGDC_OPT	Neutron Density Correction Option	DV6MTN	Neutron	
OACF	O2 Activation Correction Factor (RM)	DV6MTN	8	
PRES_SEL_NEU	Pressure Correction Source for Neutron Processing	DV6MTN	Annular	
PRTD	ARCWizard Preferred Resistivity Log for Rt Display while Multi-Effects	DV6MTN	P34B	
RMS	Resistivity of Mud Sample	Borehole	0.2	ohm.m
STOH	Top of Hole Sector	DV6MTN	SECTOR_0	
T1WM	ARCWizard Weight Multiplier to Measurements for Transmitter 1	DV6MTN	1	
T2WM	ARCWizard Weight Multiplier to Measurements for Transmitter 2	DV6MTN	1	
T3WM	ARCWizard Weight Multiplier to Measurements for Transmitter 3	DV6MTN	1	
T4WM	ARCWizard Weight Multiplier to Measurements for Transmitter 4	DV6MTN	1	
T5WM	ARCWizard Weight Multiplier to Measurements for Transmitter 5	DV6MTN	1	
TEMP_SEL_ARC	ARC Temperature Selection	DV6MTN	Annular	
TEMP_SEL_NEU	Temperature Correction Source for Neutron Processing	DV6MTN	GTSE	
UNIFORM_OPT	Uniform Rock Computation Option	DV6MTN	No	

Tool Control Parameters	
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Run 1: Parameters

Parameter	Description	Tool	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DNMSESSION	0.3	m

Company: IODP

Well: U1520A

Field: HSM-05A

Rig Name: Joides Resolution

Expedition: 372

Country: New Zealand



EcoScope Service

1:240 Measured Depth

Recorded Mode Data