

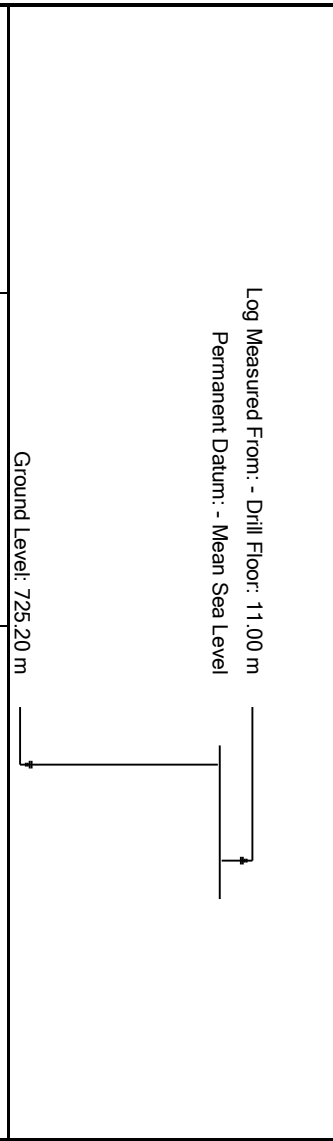
EcoScope Resistivity 1:240 Measured Depth Recorded Mode Data



Company: IODP
Well: U1517A
Field: TLC-04B
Rig Name: Joides Resolution
Expedition: 372
Country: New Zealand

Latitude: 38° 49' 46.32" S
Longitude: 178° 28' 33.318" E
Block: EXP372

UWID:
Rig Name: Joides Resolution
Rig Type: Drill Ship
FL1:
FL2:



Acquisition Dates:	15-Dec-2017 -- 17-Dec-2017	Other Services:
Log Interval:	736.00(m) -- 931.00(m)	SonicScope
Index Types:	Measured Depth	proVISION Plus
Index Scales:	1:240	geoVISION Images
Depth Source:	Driller's Depth	
Depth Sensor:	DES	
Print Type:	Final	
Spud Date:	16-Dec-2017	

Disclaimer

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Run 1

FINAL ECO LOG 3

Software Version

Acquisition System	Version		
Maxwell 2017 SP3	7.3.92069.3100		
Computation	Description	Version	
ECO6GammaRay	Natural Gamma Ray Processing, ECO 6.75	7.3.92069.3100	
ARCResistivity	ARC Resistivity Computation Package for ARC Tool Family	7.3.92069.3100	
ECO6ResistivityComputation	Resistivity QC Processing, ECO 6.75	7.3.92069.3100	
SoftwareVersion_Tool	SoftwareVersion_System Version	SoftwareVersion_Loaded Version	
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	682.50 m	940.92 m	15-Dec-2017 9:33:10 PM	17-Dec-2017 9:34:16 AM	Yes

All depths are referenced to toolstring zero

Log

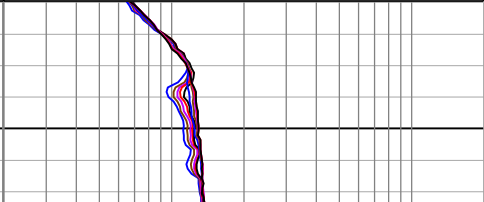
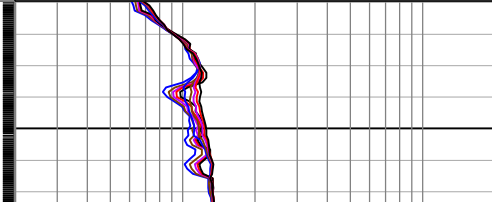
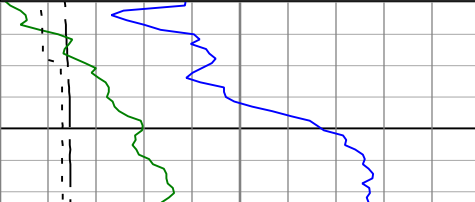
Company: IODP Well: U1517A
Run 1: Drilling: S043

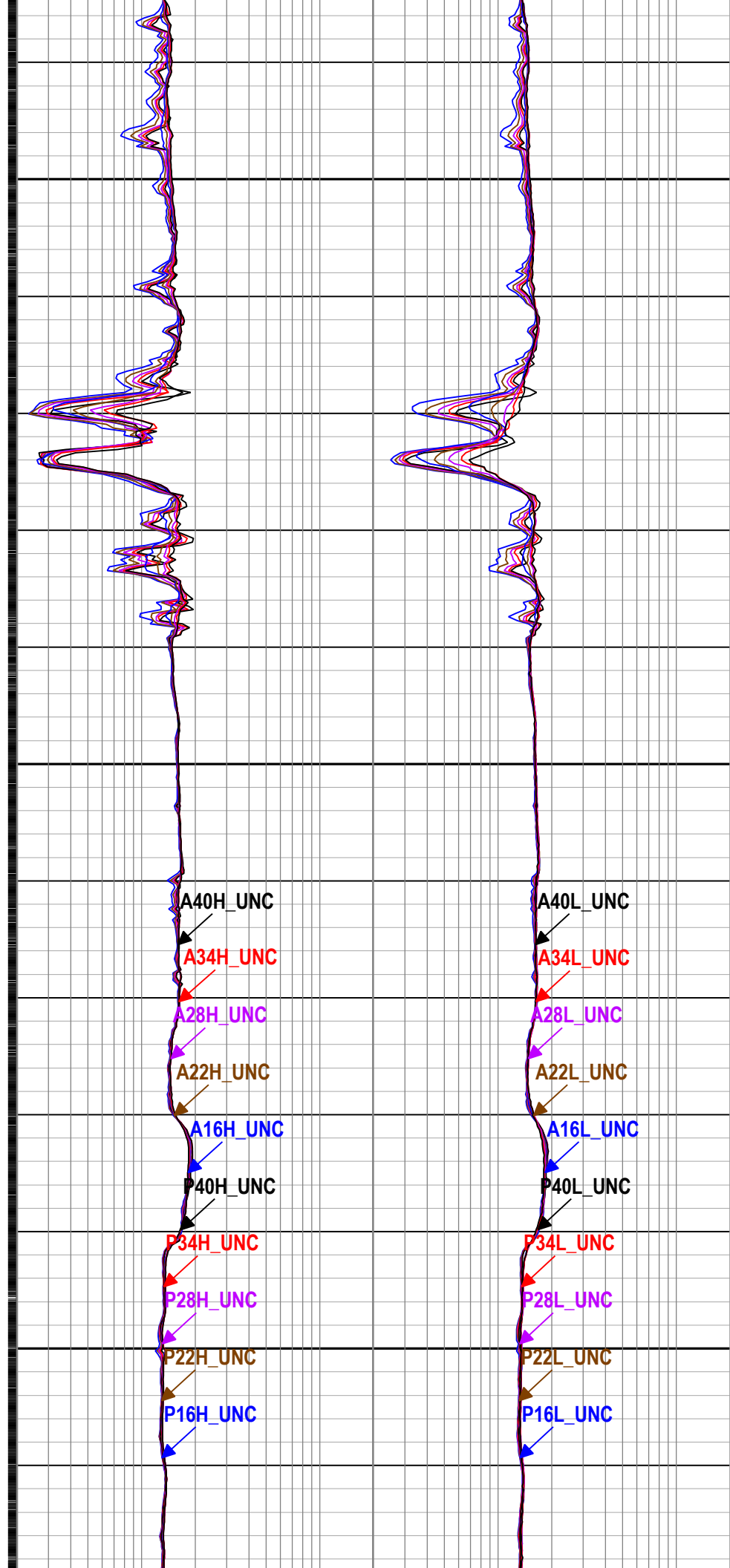
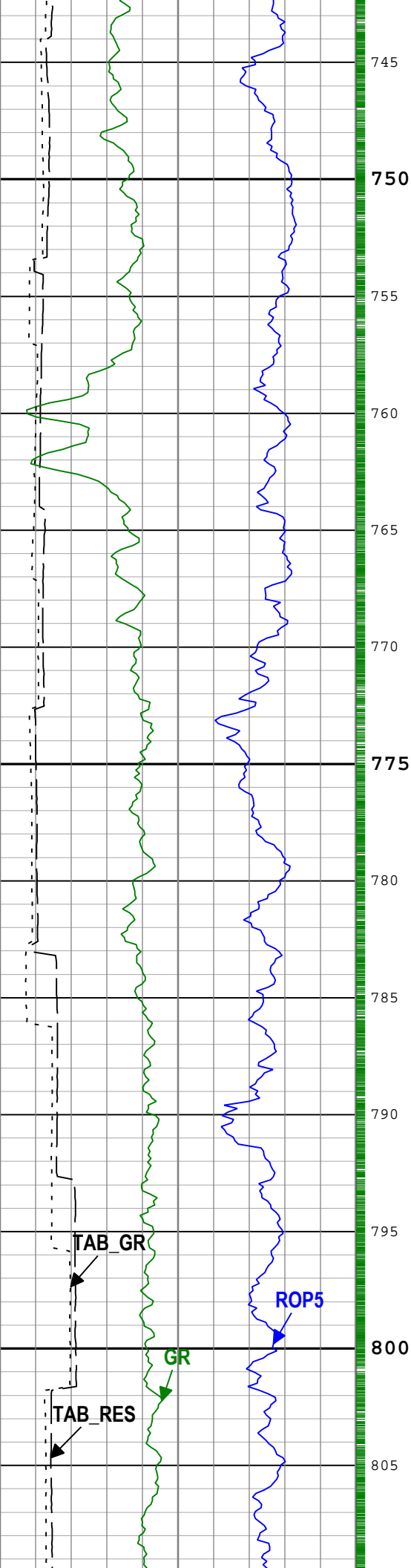
Description: ARC + sonicVISION Format: Log (FINAL ECO LOG 3) Index Scale: 1:240 Index Unit: m Index Type: Measured Depth Creation Date: 29-Dec-2017 20:49:43

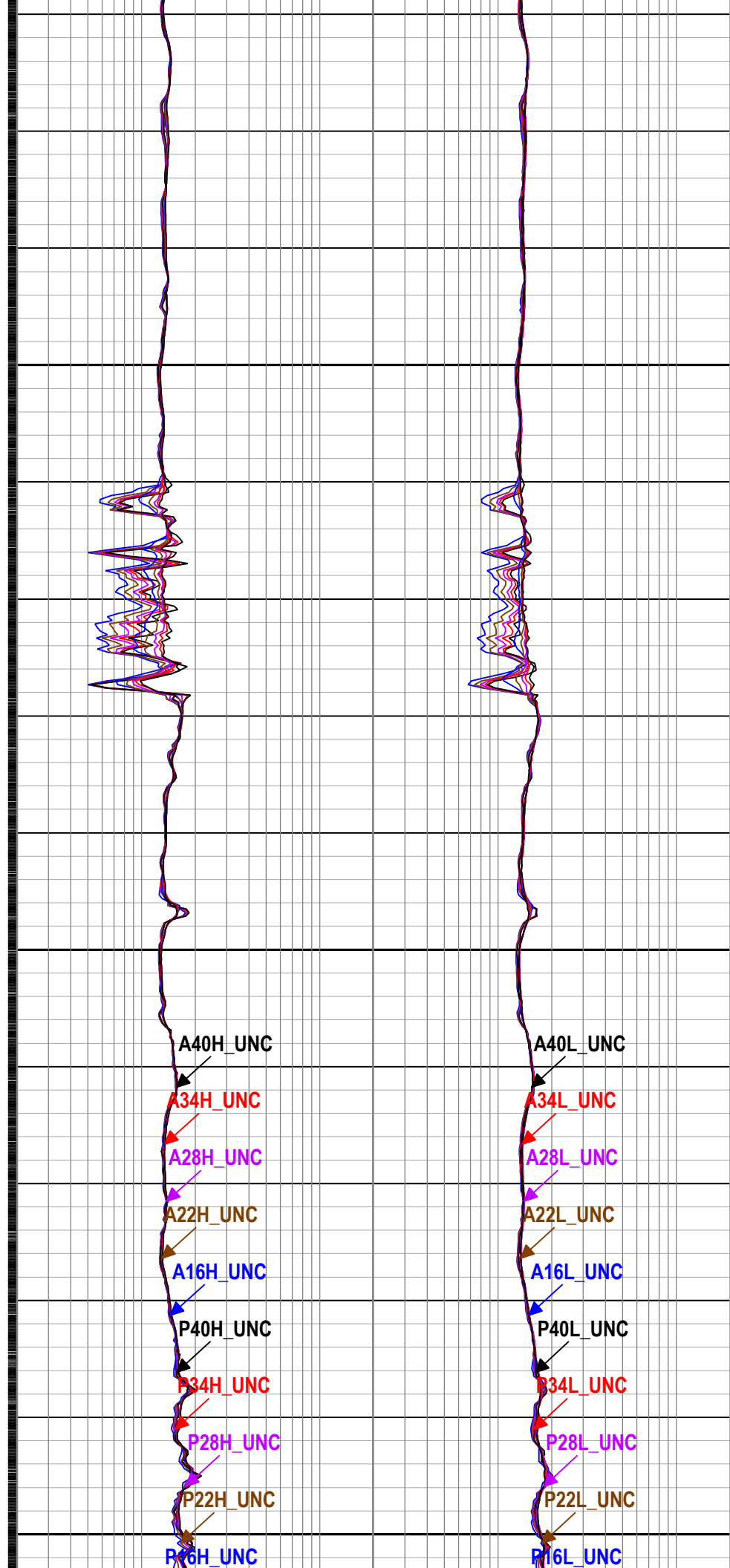
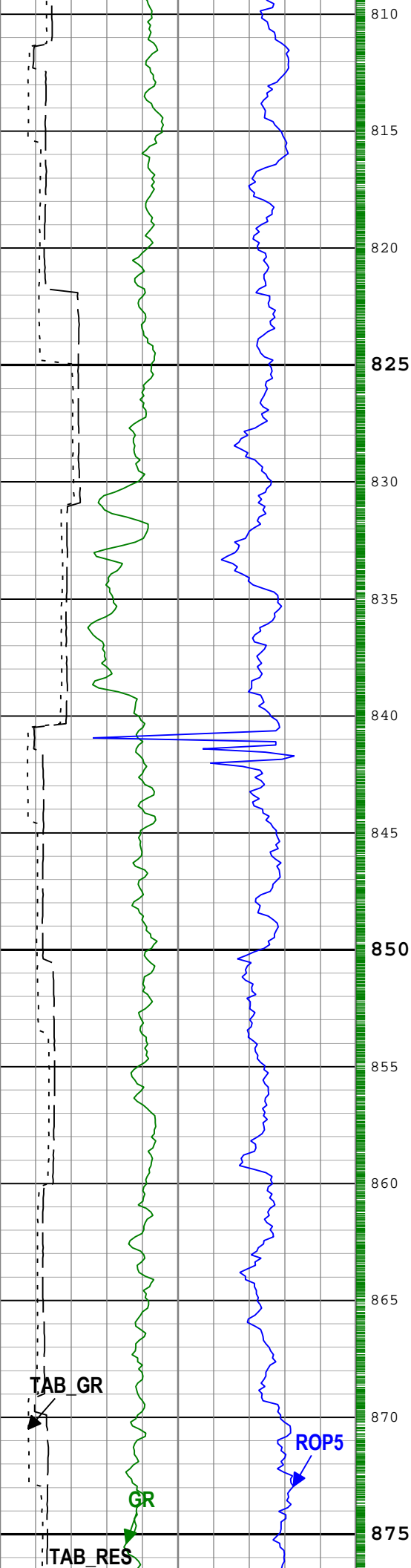
├ TICK_GR - Gamma Ray Samples DV6MTN RM
└ TICK_ARC_RES - ARC Resistivity Samples DV6MTN RM

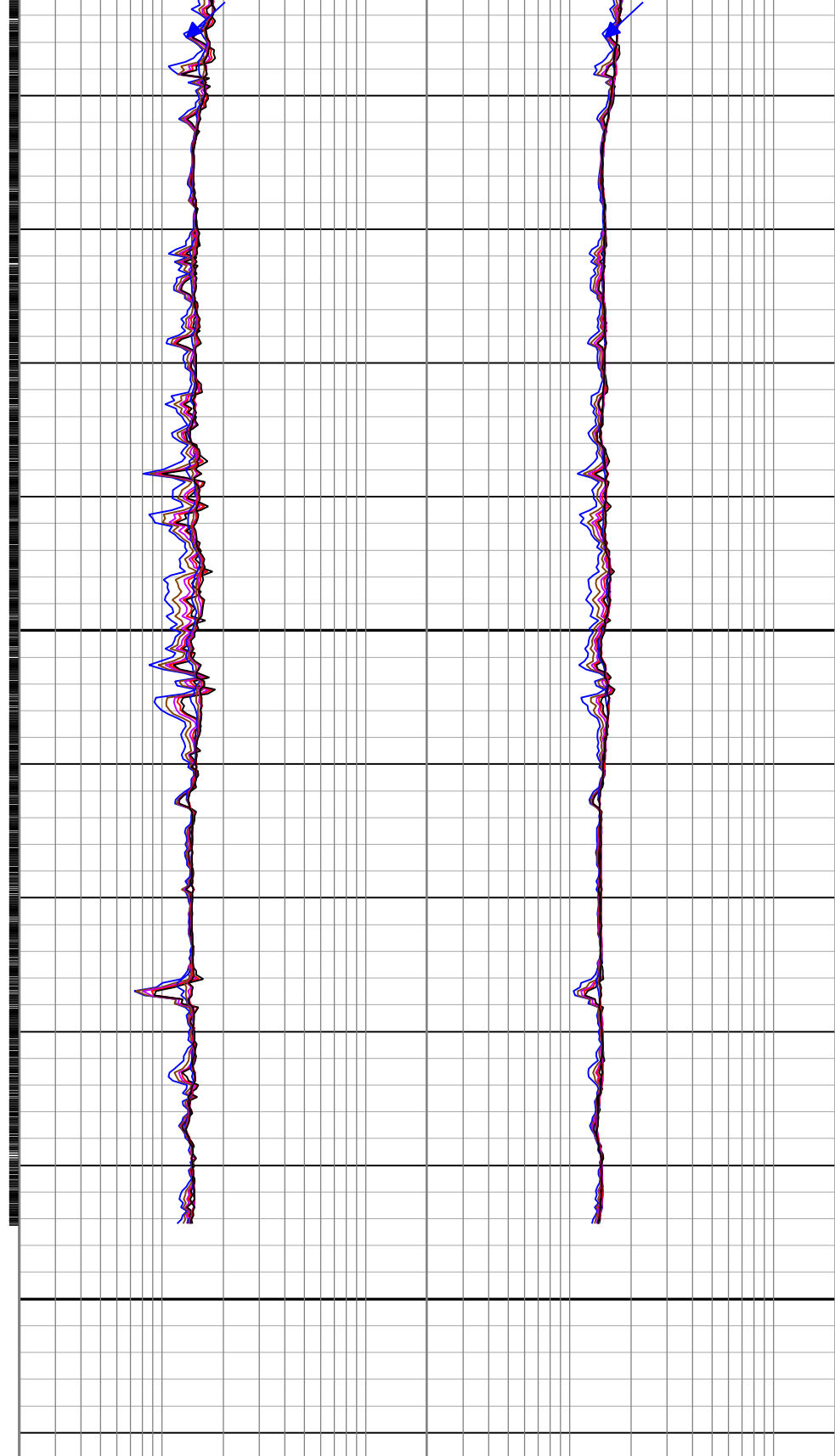
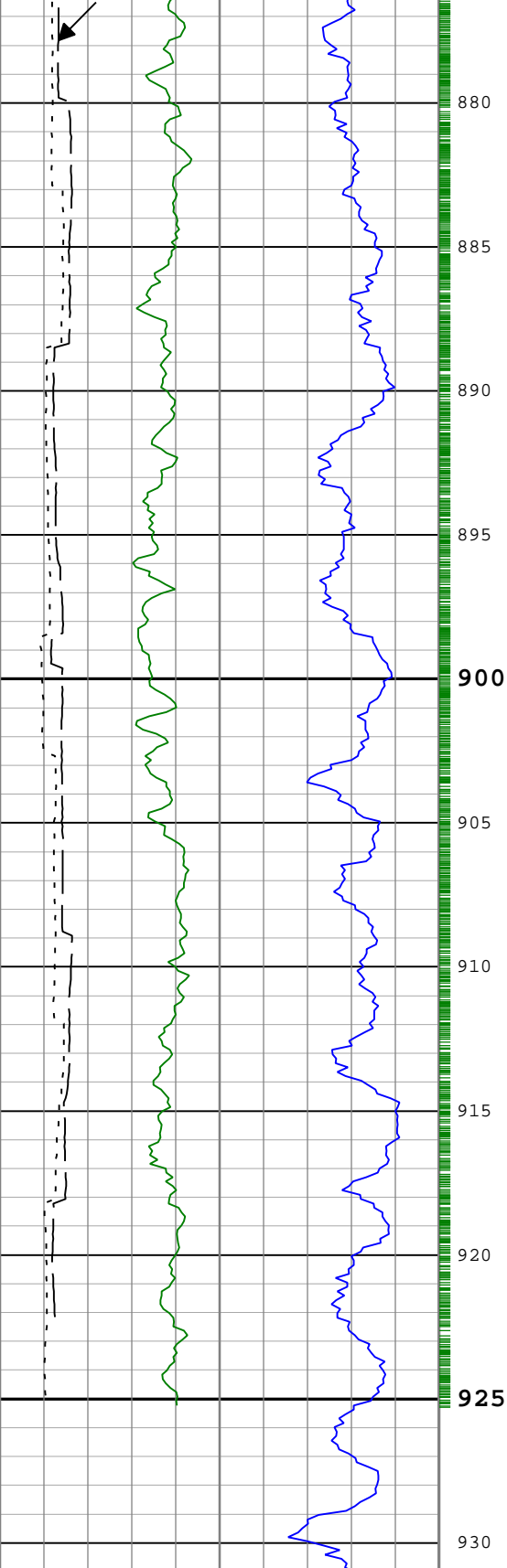
Uncorrected Phase Shift Resistivity for 16 inch Spacing at 2 MHz (P16H_UNC) DV6MTN RM	Uncorrected Phase Shift Resistivity 16 inch at 400 KHz (P16L_UNC) DV6MTN RM
0.2 ohm.m 20	0.2 ohm.m 20
Uncorrected Phase Shift Resistivity for 22 inch Spacing at 2 MHz (P22H_UNC) DV6MTN RM	Uncorrected Phase Shift Resistivity 22 inch at 400 KHz (P22L_UNC) DV6MTN RM
0.2 ohm.m 20	0.2 ohm.m 20
Uncorrected Phase Shift Resistivity for 28 inch Spacing at 2 MHz (P28H_UNC) DV6MTN RM	Uncorrected Phase Shift Resistivity 28 inch at 400 KHz (P28L_UNC) DV6MTN RM
0.2 ohm.m 20	0.2 ohm.m 20
Uncorrected Phase Shift Resistivity for 34 inch Spacing at 2 MHz (P34H_UNC) DV6MTN RM	Uncorrected Phase Shift Resistivity 34 inch at 400 KHz (P34L_UNC) DV6MTN RM
0.2 ohm.m 20	0.2 ohm.m 20
Uncorrected Phase Shift Resistivity 40 inch at 2 MHz (P40H_UNC) DV6MTN RM	Uncorrected Phase Shift Resistivity 40 inch at 400 KHz (P40L_UNC) DV6MTN RM
0.2 ohm.m 20	0.2 ohm.m 20
Uncorrected Attenuation Resistivity for 16 inch Spacing at 2 MHz (A16H_UNC) DV6MTN RM	Uncorrected Attenuation Resistivity 16 inch at 400 KHz (A16L_UNC) DV6MTN RM
0.2 ohm.m 20	0.2 ohm.m 20
Uncorrected Attenuation Resistivity for 22 inch Spacing at 2 MHz (A22H_UNC) DV6MTN RM	Uncorrected Attenuation Resistivity 22 inch at 400 KHz (A22L_UNC) DV6MTN RM
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Uncorrected Attenuation Resistivity for 28 inch Spacing at 2 MHz (A28H_UNC) DV6MTN RM	Uncorrected Attenuation Resistivity 28 inch at 400 KHz (A28L_UNC) DV6MTN RM
0.2 ohm.m 20	0.2 ohm.m 20
Uncorrected Attenuation Resistivity for 34 inch Spacing at 2 MHz (A34H_UNC) DV6MTN RM	Uncorrected Attenuation Resistivity 34 inch at 400 KHz (A34L_UNC) DV6MTN RM
0.2 ohm.m 20	0.2 ohm.m 20
Uncorrected Attenuation Resistivity 40 inch at 2 MHz (A40H_UNC) DV6MTN RM	Uncorrected Attenuation Resistivity 40 inch at 400 KHz (A40L_UNC) DV6MTN RM
0.2 ohm.m 20	0.2 ohm.m 20

Resistivity Time After Bit (TAB_RES) DV6MTN
0 h 10
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
Gamma Ray Time after Bit (TAB_GR) DV6MTN
0 h 10









Resistivity Time After Bit (TAB_RES) DV6MTN	0	h	10
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
Gamma Ray Time after Bit (TAB_GR) DV6MTN			

Uncorrected Phase Shift Resistivity for 16 inch Spacing at 2 MHz (P16H UNC) DV6MTN RM	0.2	ohm.m	20	Uncorrected Phase Shift Resistivity 16 inch at 400 KHz (P16L UNC) DV6MTN RM	0.2	ohm.m	20
Uncorrected Phase Shift Resistivity for 22 inch Spacing at 2 MHz (P22H UNC) DV6MTN RM	0.2	ohm.m	20	Uncorrected Phase Shift Resistivity 22 inch at 400 KHz (P22L UNC) DV6MTN RM	0.2	ohm.m	20
Uncorrected Phase Shift Resistivity for 28 inch Spacing at 2 MHz (P28H UNC) DV6MTN RM	0.2	ohm.m	20	Uncorrected Phase Shift Resistivity 28 inch at 400 KHz (P28L UNC) DV6MTN RM	0.2	ohm.m	20

0	h	10	0.2	ohm.m	20	0.2	ohm.m	20
			Uncorrected Phase Shift Resistivity for 34 inch Spacing at 2 MHz (P34H_UNC) DV6MTN RM			Uncorrected Phase Shift Resistivity 34 inch at 400 KHz (P34L_UNC) DV6MTN RM		
			0.2	ohm.m	20	0.2	ohm.m	20
			Uncorrected Phase Shift Resistivity 40 inch at 2 MHz (P40H_UNC) DV6MTN RM			Uncorrected Phase Shift Resistivity 40 inch at 400 KHz (P40L_UNC) DV6MTN RM		
			0.2	ohm.m	20	0.2	ohm.m	20
			Uncorrected Attenuation Resistivity for 16 inch Spacing at 2 MHz (A16H_UNC) DV6MTN RM			Uncorrected Attenuation Resistivity 16 inch at 400 KHz (A16L_UNC) DV6MTN RM		
			0.2	ohm.m	20	0.2	ohm.m	20
			Uncorrected Attenuation Resistivity for 22 inch Spacing at 2 MHz (A22H_UNC) DV6MTN RM			Uncorrected Attenuation Resistivity 22 inch at 400 KHz (A22L_UNC) DV6MTN RM		
			0.2	ohm.m	20	0.2	ohm.m	20
			Uncorrected Attenuation Resistivity for 28 inch Spacing at 2 MHz (A28H_UNC) DV6MTN RM			Uncorrected Attenuation Resistivity 28 inch at 400 KHz (A28L_UNC) DV6MTN RM		
			0.2	ohm.m	20	0.2	ohm.m	20
			Uncorrected Attenuation Resistivity for 34 inch Spacing at 2 MHz (A34H_UNC) DV6MTN RM			Uncorrected Attenuation Resistivity 34 inch at 400 KHz (A34L_UNC) DV6MTN RM		
			0.2	ohm.m	20	0.2	ohm.m	20
			Uncorrected Attenuation Resistivity 40 inch at 2 MHz (A40H_UNC) DV6MTN RM			Uncorrected Attenuation Resistivity 40 inch at 400 KHz (A40L_UNC) DV6MTN RM		
			0.2	ohm.m	20	0.2	ohm.m	20

└─TICK_ARC_RES - ARC Resistivity Samples DV6MTN RM

└─TICK_GR - Gamma Ray Samples DV6MTN RM

Description: ARC + sonicVISION Format: Log (FINAL ECO LOG 3) Index Scale: 1:240 Index Unit: m Index Type: Measured Depth Creation Date: 29-Dec-2017 20:49:43

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	11	degC
BS	Bit Size	DNMSESSION	8.5	in
CALL_SEL_GR	Hole-Size Correction Source for Gamma-Ray Processing	DV6MTN	GCSE	
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.03	g/cm3
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
ERRCT	Percentage Error Cutoff	DV6MTN	4.5	%
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

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	
OACF	O2 Activation Correction Factor (RM)	DV6MTN	8	
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	
UNIFORM_OPT	Uniform Rock Computation Option	DV6MTN	No	

Tool Control Parameters

Run 1: Parameters

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

Time Zone Parameters

Parameter	Value	Start Time	Stop Time	Start Depth (m)	Stop Depth (m)
OFFBTM_TH	0	15-Dec-2017 21:33:10	16-Dec-2017 17:05:02	682.5	870.03
OFFBTM_TH	0.3	16-Dec-2017 17:05:02	17-Dec-2017 09:34:16	870.03	940.92

All depth are at tool zero.

Company: IODP
Well: U1517A
Field: TLC-04B
Rig Name: Joides Resolution
Expedition: 372
Country: New Zealand



EcoScope Resistivity
1:240 Measured Depth
Recorded Mode Data