

Company: **LDEO Borehole Research Group**

Well: **1189C** **PCM-3A**

Field: **Eastern Manus Back Arc Basin**

Rig: **JOIDES Resolution**

Rig: JOIDES Resolution Field: Eastern Manus Back Arc Basin Location: Bismarck Sea, PNG Well: 1189C Company: LDEO Borehole Research Group	<b>Schlumberger</b>		RAB Button Images				
			Measured Depth				
	Scale 1:200		Elevation	K.B.	10.9 m		
	Total depth:	1866 m		G.L.	-1689.1 m		
Location		Runs:	1	To	1	D.F.	10.5 m
Permanent datum:		Mean Sea Level		Elev.:	Kelly Bushing		
Log measured from:		Top of kelly bushing		10.9 m	above Perm. datum		
Depth reference:		Driller's Pipe Tally					
API serial no.		Logging Services:		Longitude	Latitude		
		RAB		E 151 40.5240'	S 03 43.2415'		
Depth logged:		1700 m	To	1866 m	Mag decl: 6.56 deg		Other services:
Date logged:		27 Dec 00	To	28 Dec 00	Mag dip: -21.78 deg		
Bore hole record				Casing record			
Hole size	from	to		Size	Density	from	to
9.875 in	1700 m	1866 m					
Mud record				Borehole deviation record			
Type	from	to		Min	Max	from	to
Sea Water	1700 m	1866 m					
Surface equipment		Software record		<b>IDEAL</b> services from <b>Anadrill</b>			
Unit	TWIS	IDEAL Wis	6.1c_03				
Depth system	PDA	SPM	6.1c_03				
		LWD	5.0b_12				
		MWD					

**Bit Run Summary**

<b>Run number</b>	1
Bit size	9.875 in
Bit start depth	1700 m
Bit end depth	1866 m
Top interval logged	1700 m
Bottom interval logged	1860 m
Begin log: time	17:00
Begin log: date	27 Dec 00
End log: time	13:40
End log: date	28 Dec 00
<b>Mud data</b>	
Depth	1700 m
Type	Sea Water

Type		Sea Water								
Mud weight	ppg	8.9								
Solids										
Chlorides										
Rm	ohm.m @ degC	0.222 @ 24								
Rmf										
Rmc										
Potassium										
<b>Environmental data</b>										
<b>GR</b>										
Mud weight	ppg	8.9								
Bit size	in	9.875								
<b>Resistivity</b>										
<b>Neutron porosity</b>										
Hole Size										
Mud weight										
Temperature										
Mud salinity										
Formation salinity										
Recording rate 1	SEC	10								
Recording rate 2	SEC	10								
Filtering GR		3 point av.								
Filtering density										
Filtering Neutron										
Company representative		G.Iturrino	A.Bartetzko	M.Storms						
Anadrill personnel		A.Strahan								

**DISCLAIMER**

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OTHER SERVICES FOR RUN 1	OTHER SERVICES FOR RUN	OTHER SERVICES FOR RUN
<p>REMARKS: RUN NUMBER 1</p> <p>RAB data acquired in memory mode while drilling from 1700-1866 m</p> <p>Drilled in rotary mode</p> <p>Depth filtered for heave</p> <p>No surveys available – borehole assumed to be vertical</p> <p>Environmental Corrections Applied:</p> <p>GR – borehole size, mud weight</p> <p>Resistivity – borehole size, mud resistivity</p> <p>borehole temperature</p> <p>Rbit measurement is affected by a large vertical resolution (5.12 m)</p> <p>27 Dec 00</p> <p>13:11 Program RAB</p> <p>13:20 BHA below rotary table</p> <p>17:00 On bottom drilling at 1700 m</p> <p>28 Dec 00</p> <p>13:40 TD at 1866 m</p> <p>22:20 BHA above rotary table – retrieve RAB memory data</p>	<p>REMARKS: RUN NUMBER</p>	<p>REMARKS: RUN NUMBER</p>

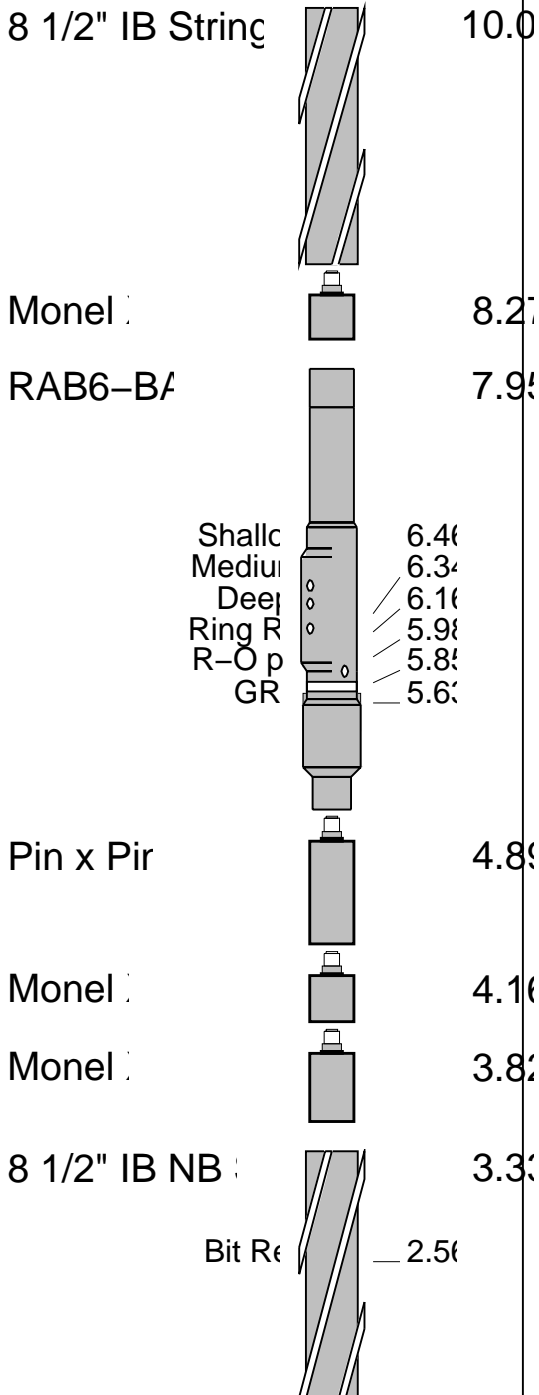
EQUIPMENT DESCRIPTION

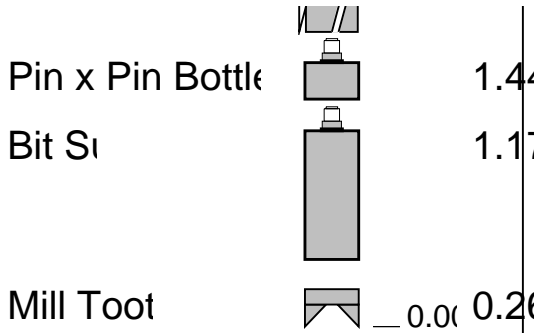
RUN1

RUN

RUN

DOWNHOLE E





MAXIMUM STRING DI  
ALL LENGTHS I

IDEAL Version: ID6\_1C\_03  
IDEAL

RAB6-BA id6\_1c\_03

Format: RABFixedImage Vertical Scale: 1:200

Graphics File Created: 02-Jan-2001 17:24

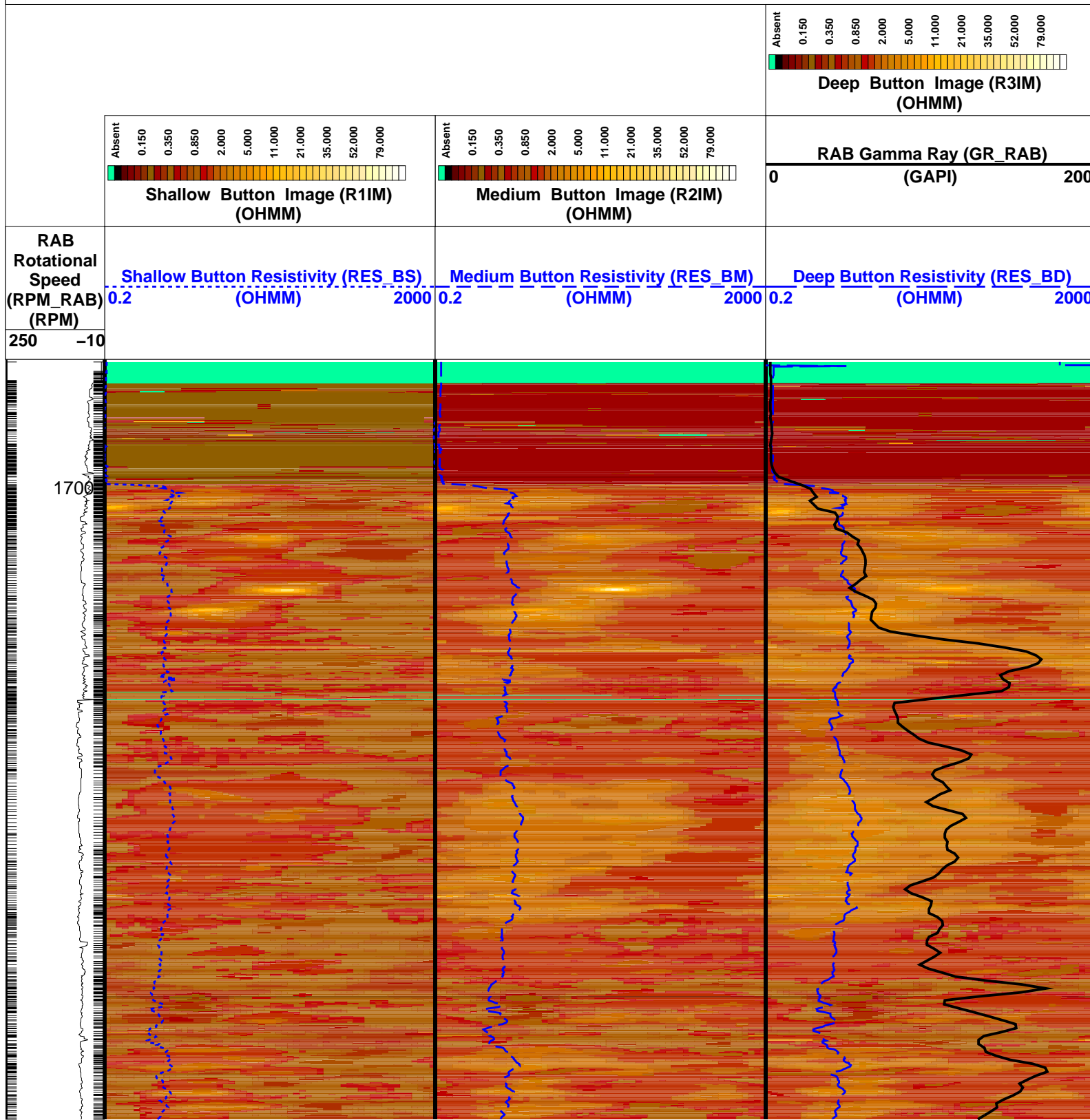
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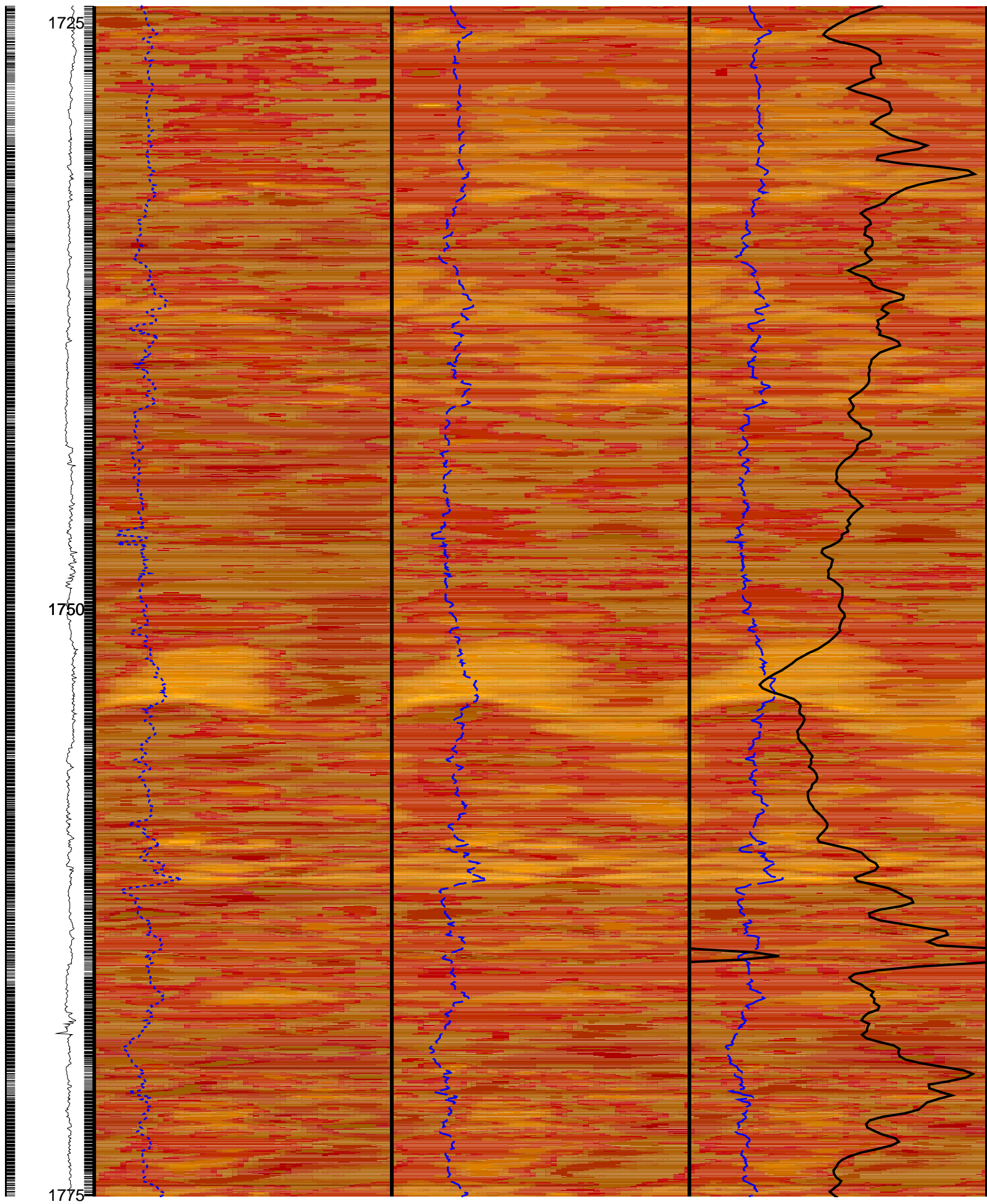
DLIS Name	Description	Value
	RAB: Button Sleeve Diameter	RAB6: 8 1/8 IN
	LWD RM: Log direction	DOWN
	LWD RM: Default directory	D:\users\ideal\fm\Clients\ODP\PCM-3a\LWD002\
	LWD RM: Default file extension	BIN_DB
	RAB: Stabilizer Diameter	RAB6: 8.25-8.5 IN
	LWD RM: Generate techlog only?	0
	LWD RM: Flush depth streams?	YES
	LWD RM: Depth file name	DEPTH
BDBHCA	RAB: Button Deep Borehole A Factor	0.0732254
BDBHCB	RAB: Button Deep Borehole B Factor	-0.0922599
BHA_COEF_VER	RAB: BHA Coef Generator Version	2
BITBHCA	RAB: Bit A Borehole Factor	0.0941899
BITBHCB	RAB: Bit B Borehole Factor	-0.0627806
BIT_K_FACTOR	RAB: Bit K Factor	8.12816
BMBHCA	RAB: Button Medium Borehole A Factor	0.107207
BMBHCB	RAB: Button Medium Borehole B Factor	-0.105328
BSBHCA	RAB: Button Shallow Borehole A Factor	0.310186
BSBHCB	RAB: Button Shallow Borehole B Factor	-0.0666146
BS_RM	Bit Size (RM)	9.875 IN
BUT_KIMP_A	RAB: Button Impedance Coeff A	0.00149
BUT_KIMP_B	RAB: Button Impedance Coeff B	3.6e-005
DBUTTON_K_FACTOR	RAB: Button Deep K factor	0.00270707
DHS_VERSION	RAB: DownHole Software Version	5.0012
DIPR	magnetic dip	-21.78 DEG
IMAGE_MAX_RES	RAB: Image Maximum Resistivity Value	100 OHMM
IMAGE_MIN_RES	RAB: Image Minimum Resistivity Value	1 OHMM
MBUTTON_K_FACTOR	RAB: Button Medium K Factor	0.00301584
MDCP	magnetic declination	6.56002 DEG
MST_RM	Mud Sample temperature (RM)	24.4445 DEGC
MW_RM	Mud Weight (RM)	8.9 LB/G
OBM	RAB: Oil base Mud	NO
ORIENTATION_RM	Rab Image Orientation	NORTH
RABEC	RAB: Resistivity Env-Cor	YES
RAB_TEMP_SELECT	RAB Temperature Selection	MEASURED
READOUT_PORT_MP	RAB: ROP to Bit Face Distance	5.85 M
RINGBHCA	RAB: Ring Borehole A Factor	0.162277
RINGBHCB	RAB: Ring Borehole B Factor	-0.0883462
RING_KIMP_A	RAB: Ring Impedance Coeff A	0
RING_KIMP_B	RAB: Ring Impedance Coeff B	0
RING_K_FACTOR	RAB: Ring K Factor	0.106596
RMS_RM	Resistivity of Mud Sample (RM)	0.222 OHMM

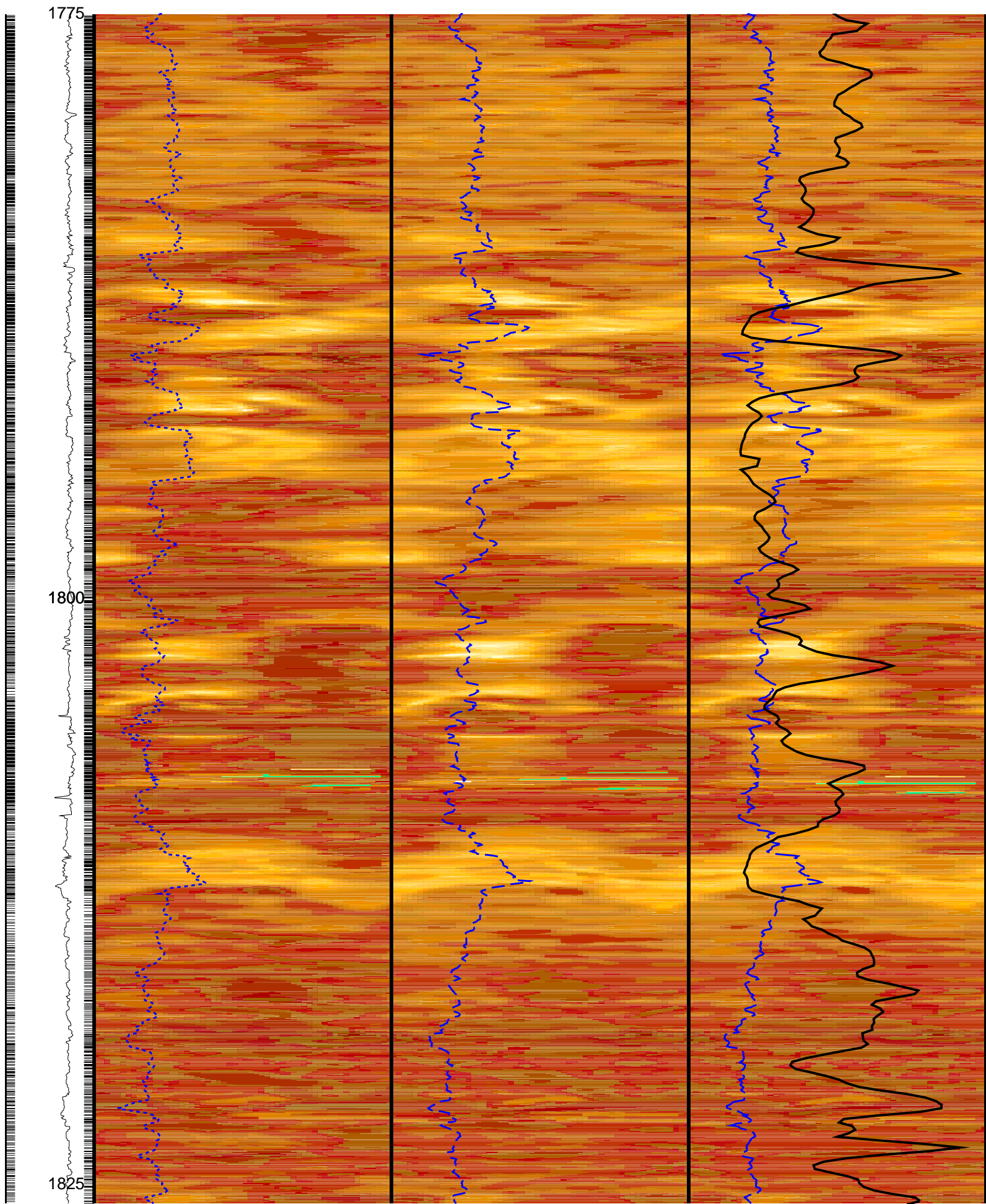
RING_K_FACTOR	RAB: Ring K Factor	0.106596	
RMS_RM	Resistivity of Mud Sample (RM)	0.222	OHMM
SBUTTON_K_FACTOR	RAB: Button Shallow K Factor	0.00415075	
STAB	RAB: Run with Stabilizer	YES	
TOOLTYPE	RAB: Azimuthal Tool	YES	
TS_VERSION	RAB: ToolScope Software Version	6.1013	
VRAB6	Rab Tool type (ENP/PILOT)	RAB6_PILOT	
WIN_SIZE_DYN_IMAGE	RAB: Window Size for Scaling Dynamic Image	0.9144	M

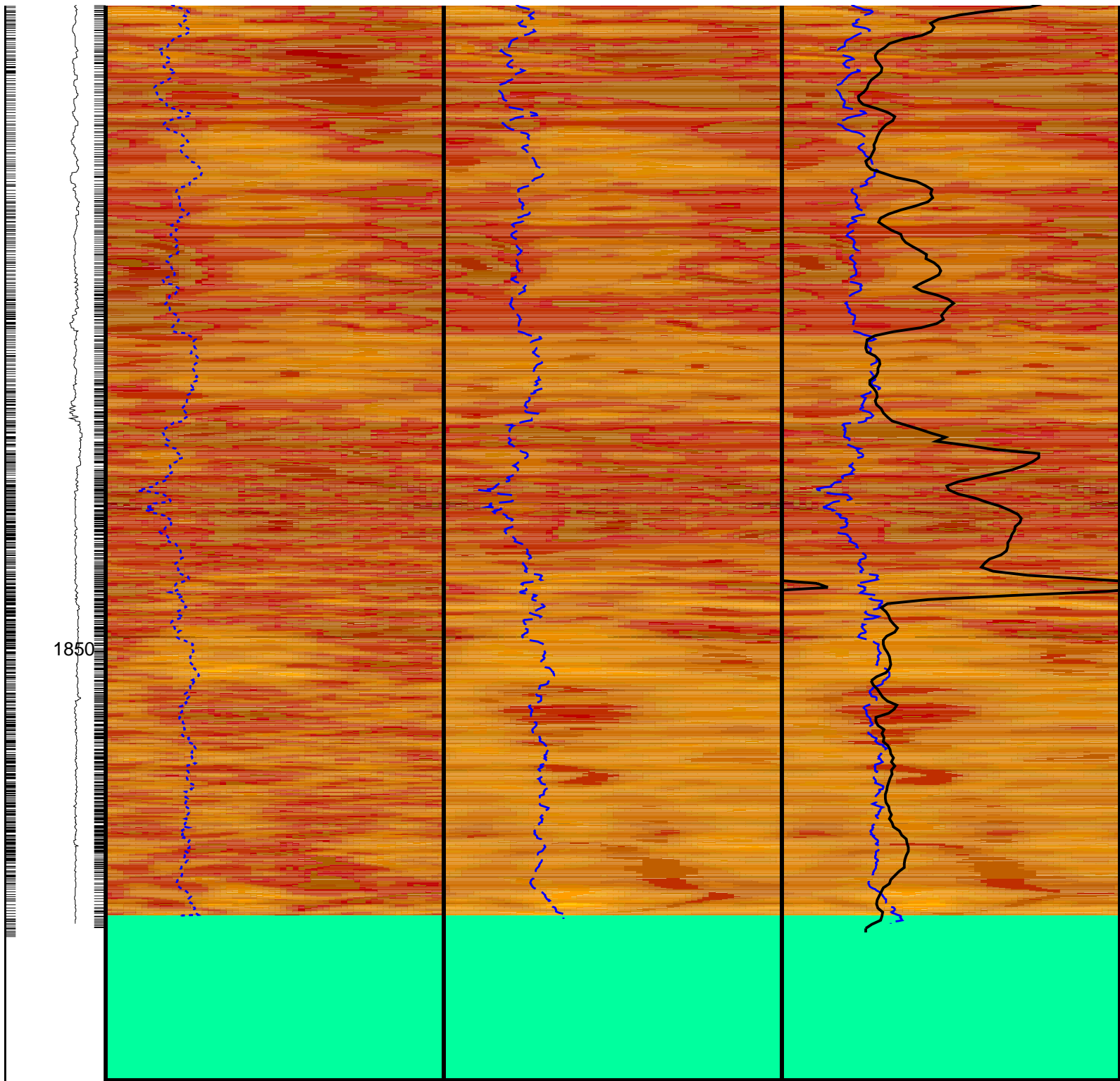
PIP SUMMARY

Ring Samples  
Gamma Ray Samples







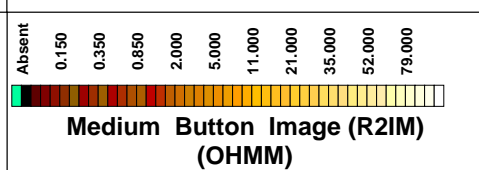
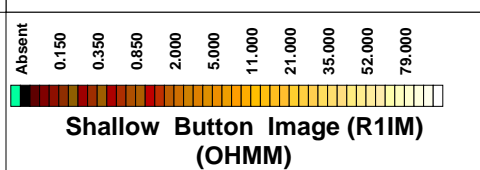


RAB  
Rotational  
Speed  
(RPM\_RAB)  
(RPM)  
250 -10

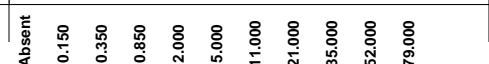
Shallow Button Resistivity (RES\_BS)  
(OHMM) 0.2 2000

Medium Button Resistivity (RES\_BM)  
(OHMM) 0.2 2000

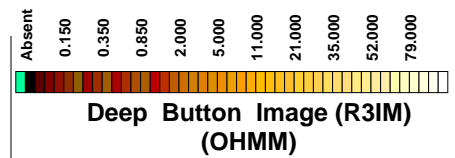
Deep Button Resistivity (RES\_BD)  
(OHMM) 0.2 2000



RAB Gamma Ray (GR\_RAB)  
(GAPI) 0 200







PIP SUMMARY

Ring Samples  
Gamma Ray Samples

IDEAL Version: ID6\_1C\_03  
IDEAL

RAB6-BA id6\_1c\_03

6.75-in. Resistivity At-the-Bit / Equipment Identification

Primary Equipment:  
Tool Name and Serial Number RAB6 - BA 48  
Calibration Status -

Master: 24-NOV-2000 23:22

6.75-in. Resistivity At-the-Bit Calibration

Resistivity: Fixture

Phase	Ring/T1 factor	Value	Phase	Ring/T2 factor	Value	Phase	M0/T1 factor	Value
Master		0.01081	Master		0.01079	Master		1.105
	0.009500 (Minimum) 0.01100 (Nominal) 0.01250 (Maximum)			0.009500 (Minimum) 0.01100 (Nominal) 0.01250 (Maximum)			0.9000 (Minimum) 1.050 (Nominal) 1.200 (Maximum)	
Phase	M0/T2 factor	Value	Phase	M2/T1 factor	Value	Phase	M2/T2 factor	Value
Master		1.137	Master		0.9956	Master		1.024
	0.9000 (Minimum) 1.050 (Nominal) 1.200 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.150 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.150 (Maximum)	
Phase	BTN shallow/T1 factor	Value	Phase	BTN shallow/T2 factor	Value	Phase	BTN medium/T1 factor	Value
Master		0.0006530	Master		0.0006840	Master		0.0006630
	0.0005700 (Minimum) 0.0006700 (Nominal) 0.0007700 (Maximum)			0.0005700 (Minimum) 0.0006700 (Nominal) 0.0007700 (Maximum)			0.0005700 (Minimum) 0.0006700 (Nominal) 0.0007700 (Maximum)	
Phase	BTN medium/T2 factor	Value	Phase	BTN deep/T1 factor	Value	Phase	BTN deep/T2 factor	Value
Master		0.0006550	Master		0.0006740	Master		0.0006630
	0.0005700 (Minimum) 0.0006700 (Nominal) 0.0007700 (Maximum)			0.0005700 (Minimum) 0.0006700 (Nominal) 0.0007700 (Maximum)			0.0005700 (Minimum) 0.0006700 (Nominal) 0.0007700 (Maximum)	

Master: 24-NOV-2000 23:16

6.75-in. Resistivity At-the-Bit Calibration

Gamma Ray: Blanket

Phase	Gamma ray factor	Value
Master		4.110
	3.500 (Minimum) 4.500 (Nominal) 5.500 (Maximum)	

Company: LDEO Borehole Research Group

Well: 1189C PCM-3A

Field: Eastern Manus Back Arc Basin

Rig: JOIDES Resolution

RAB Button Images

