

DISCLAIMER

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OTHER SERVICES1
OS1: Litho-Density
OS2: Gamma Ray


REMARKS: RUN NUMBER 1

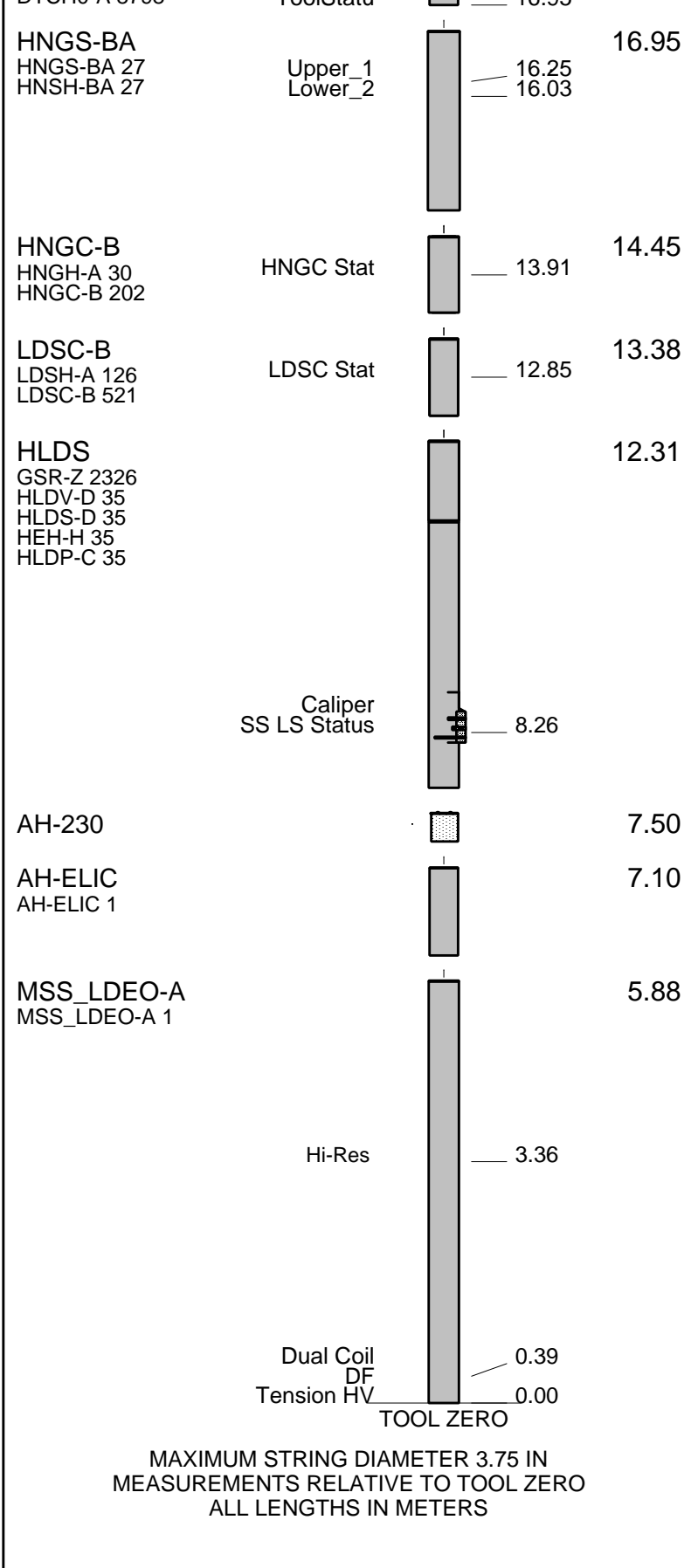
Tools run as per tool sketch with MSS eccentered using inline bowspring devices.
Logging objective was to verify stratigraphic data in comparison to cores collected immediately prior to logging on Well A of Site U1331 and analyze lithology below cherts prior to next drilling.
Logs run through drill pipe; GR recorded from TD to above sea floor for depth tie-in to sea bed.
Depths shown are wireline depths below drill floor, in meters (MWRF) plus 7.0m due to offset created by AHC. (i.e. a depth of 5107m as shown on the is the equivalent of 5100m true depth, referenced to drill floor.)
Logs were run without wave motion compensation and have been put on depth with driller's depths.
Repeat Pass not conducted as per client instructions; depth presented as per client instructions.
Log recorded with HDS caliper open from TD into drill pipe.

RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: 17C0-154 FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1		RUN 2	
SURFACE EQUIPMENT			
GSR-U 1154 WITM (DTS)-A			

DOWNHOLE EQUIPMENT			
LEH-QT LEH-QT 1726		18.75	
DTC-H ECH-KC 1777 DTCH0-A 8798	CTEM TelStatus ToolStatu	17.58 16.95	17.86



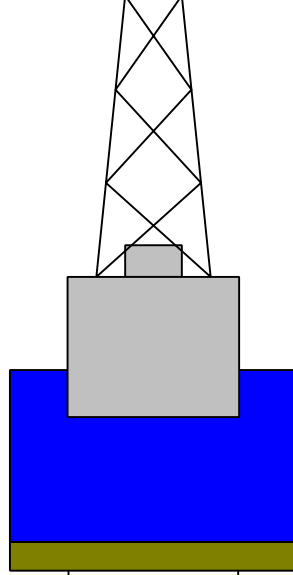
Production String	(in)	(m)	Well Schematic	(m)	(in)	Casing String
	OD	ID		MD	MD	

Derrick Floor Elevation

11.1

Mean Sea Level

0.0



0.0

5.875

Drill Pipe

All depths are in meters below drill floor.



5127.3

9.875

Sea Bed

5206.3

5.875

Bottom of Pipe

5317.9

9.875

Total Depth

Company: Lamont Doherty

Well: Expedition 320, Site U1331A

Input DLIS Files

DEFAULT	MSS_LDEO_LDL_NGS_015LUP	FN:17	PRODUCER	18-Mar-2009 03:14	5326.4 M	5089.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_LDL_NGS_030PUP	FN:33	PRODUCER	20-Mar-2009 16:02	5326.4 M	5089.1 M
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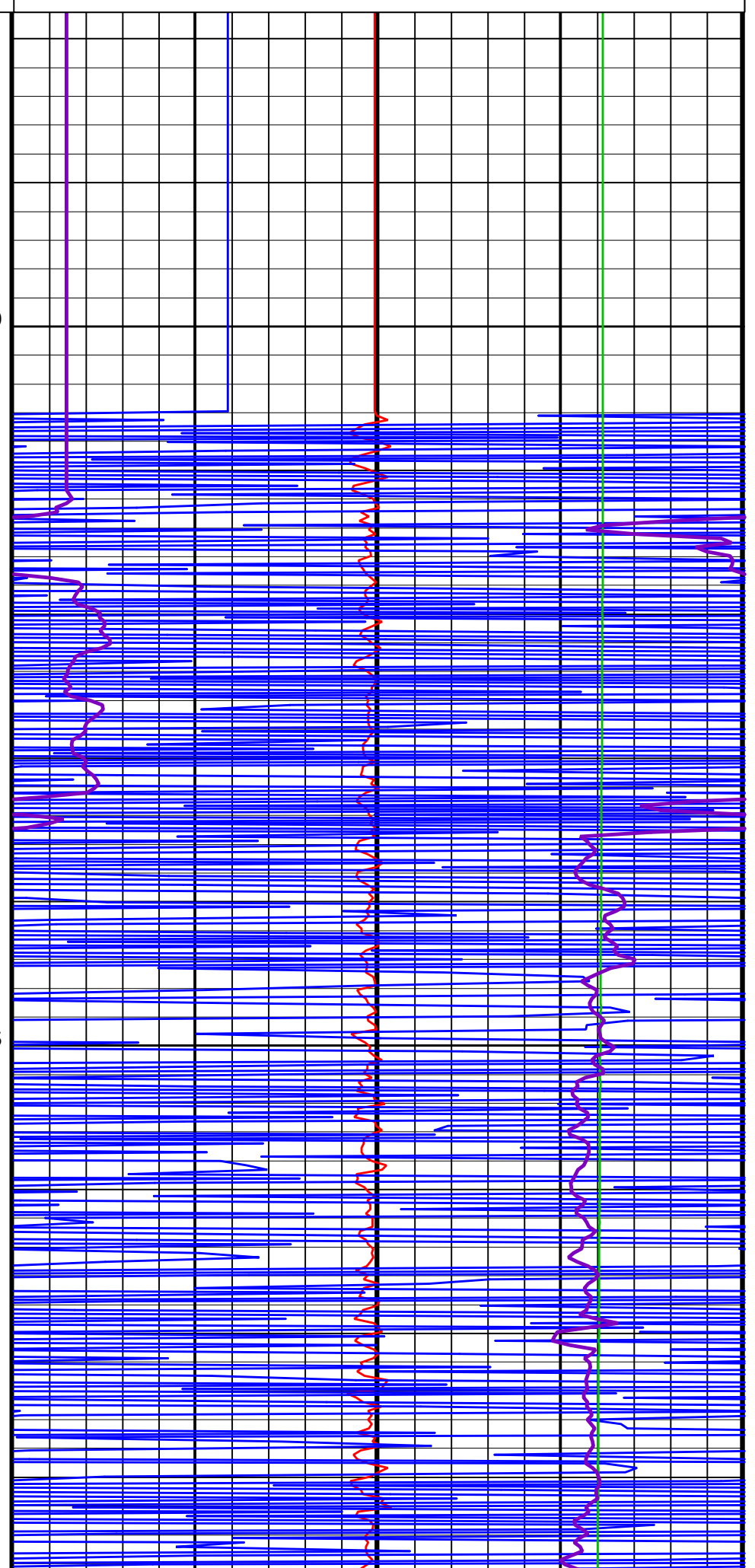
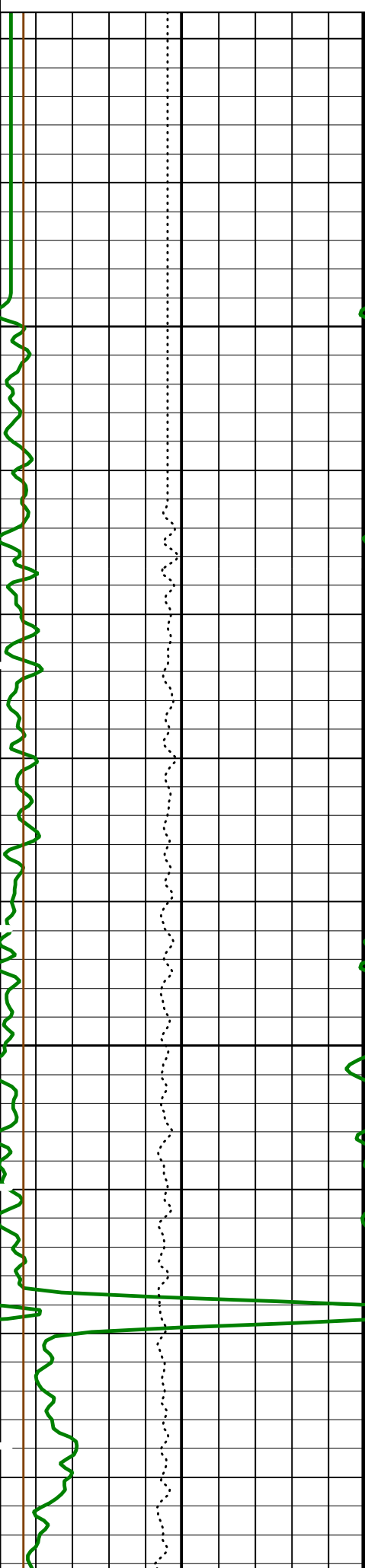
OP System Version: 17C0-154

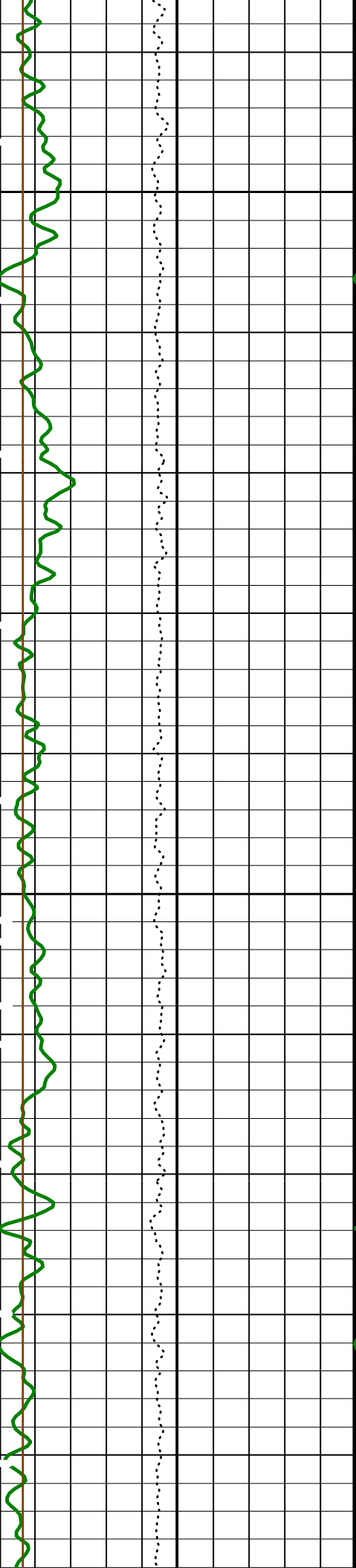
MSS_LDEO-A	17C0-154	HLDS	17C0-154
LDSC-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

PIP SUMMARY

 Time Mark Every 60 S

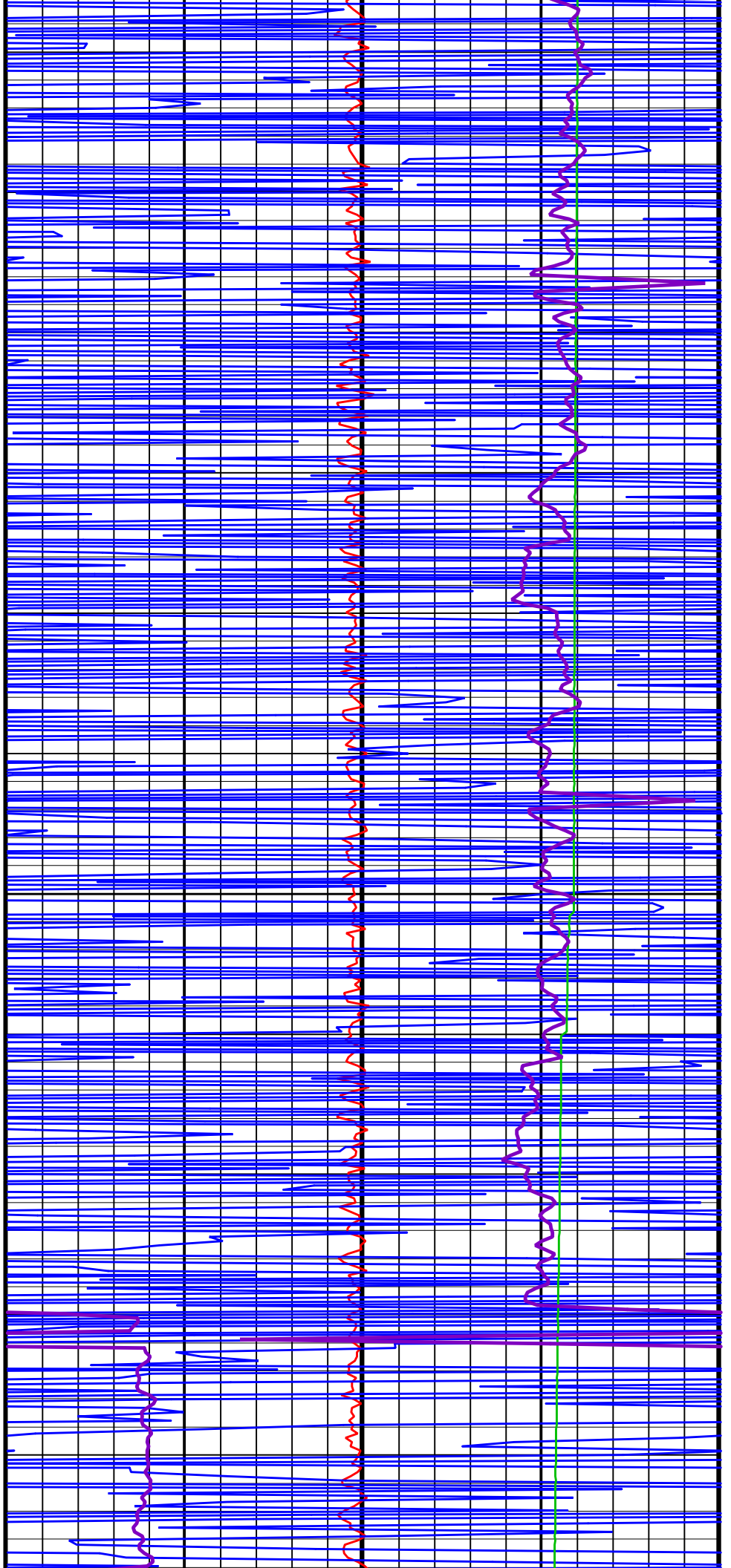
	MSS Dual-Coil Conductivity (LC01)	
	-0.13	(MM/M) -0.07
HNGS Spectroscopy Gamma Ray (HSGR)	Dual-Coil Susceptibility (MSSLSUS_LDEO)	
0 (GAPI) 15	-4000	(PPM) -3000
Tension (TENS)	High-Res Susceptibility (MSSHSUS_LDEO)	
10000 (LBF) 0	-7000	(PPM) -6000
HLDS Caliper (LCAL)	Axial Acceleration (MSSZACC_LDEO)	

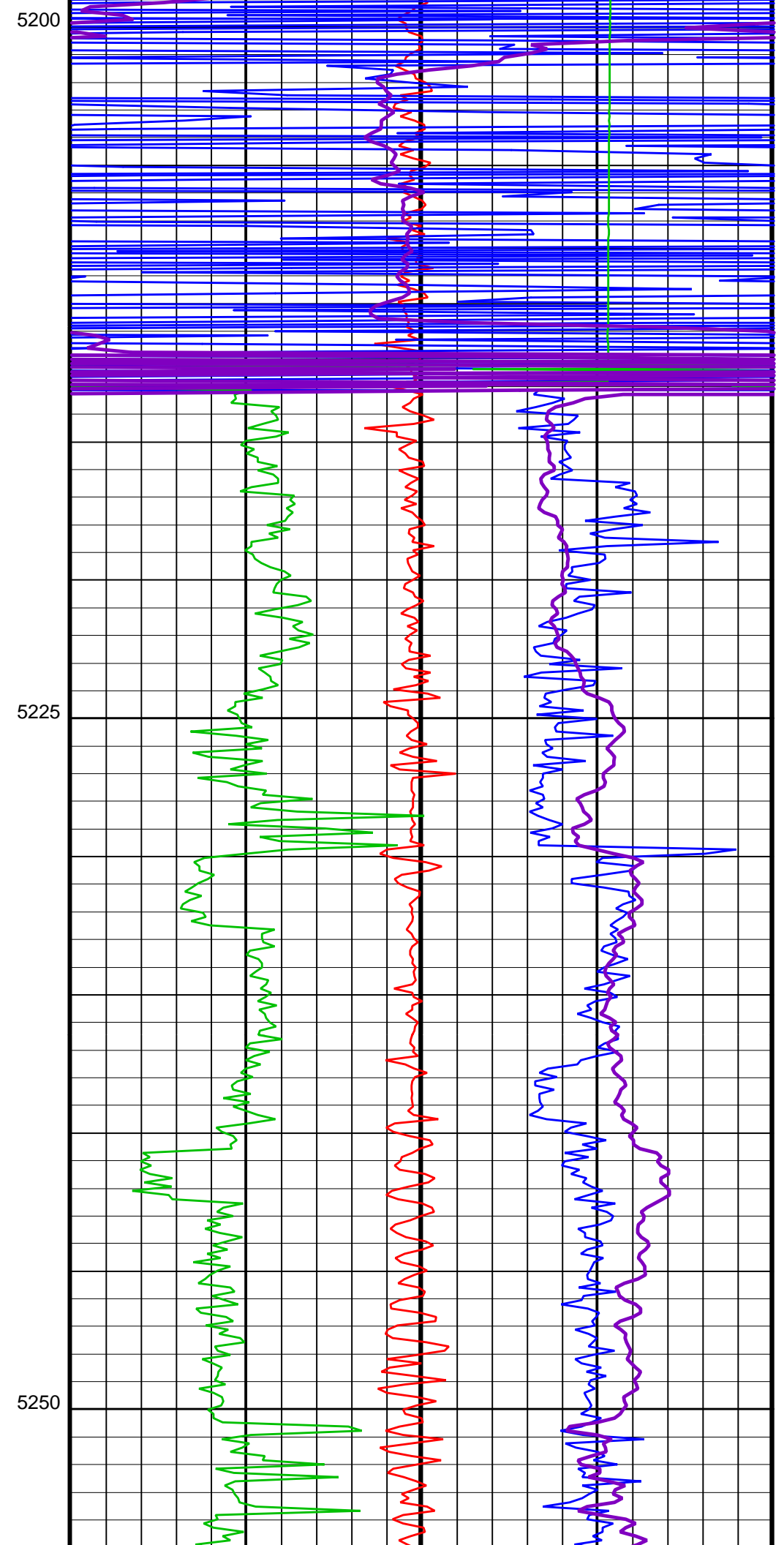
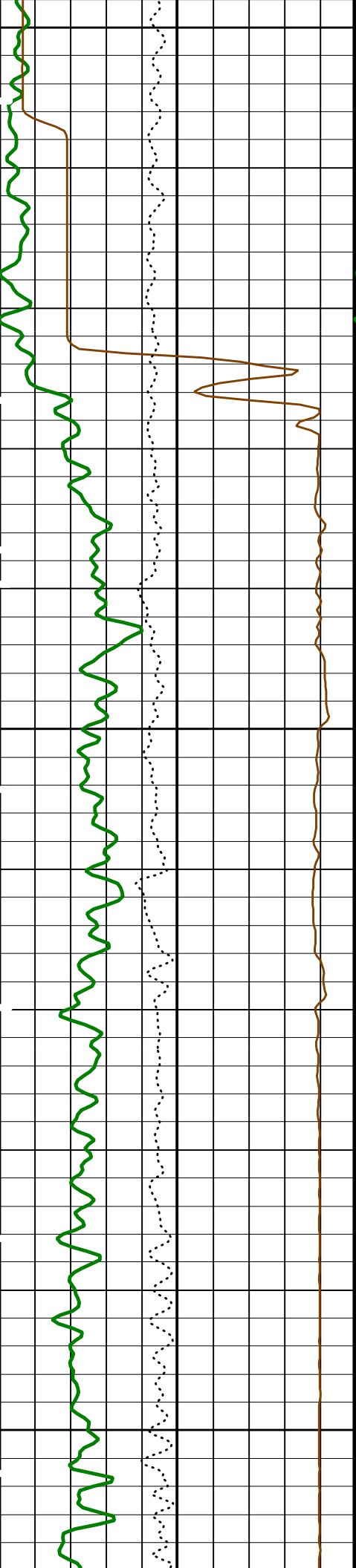


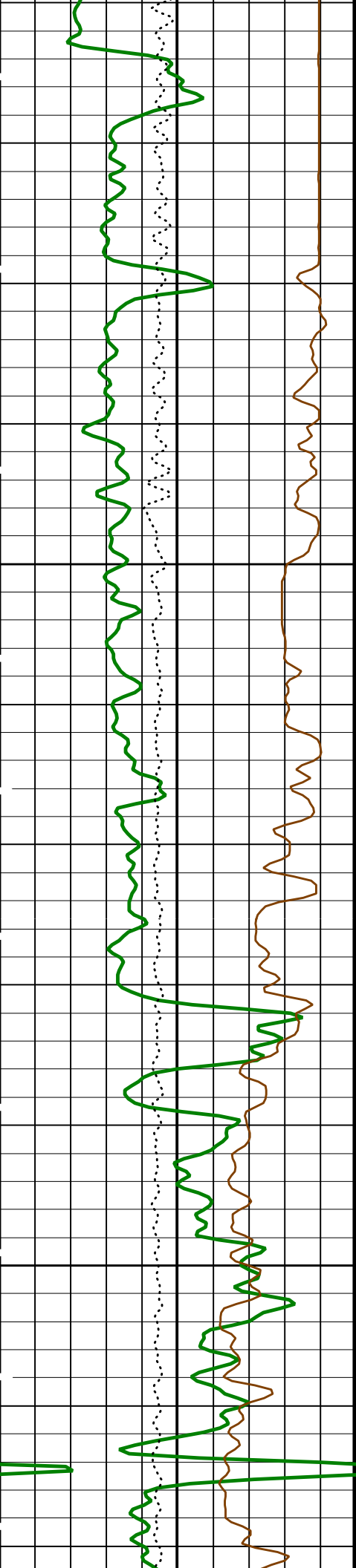


5150

5175

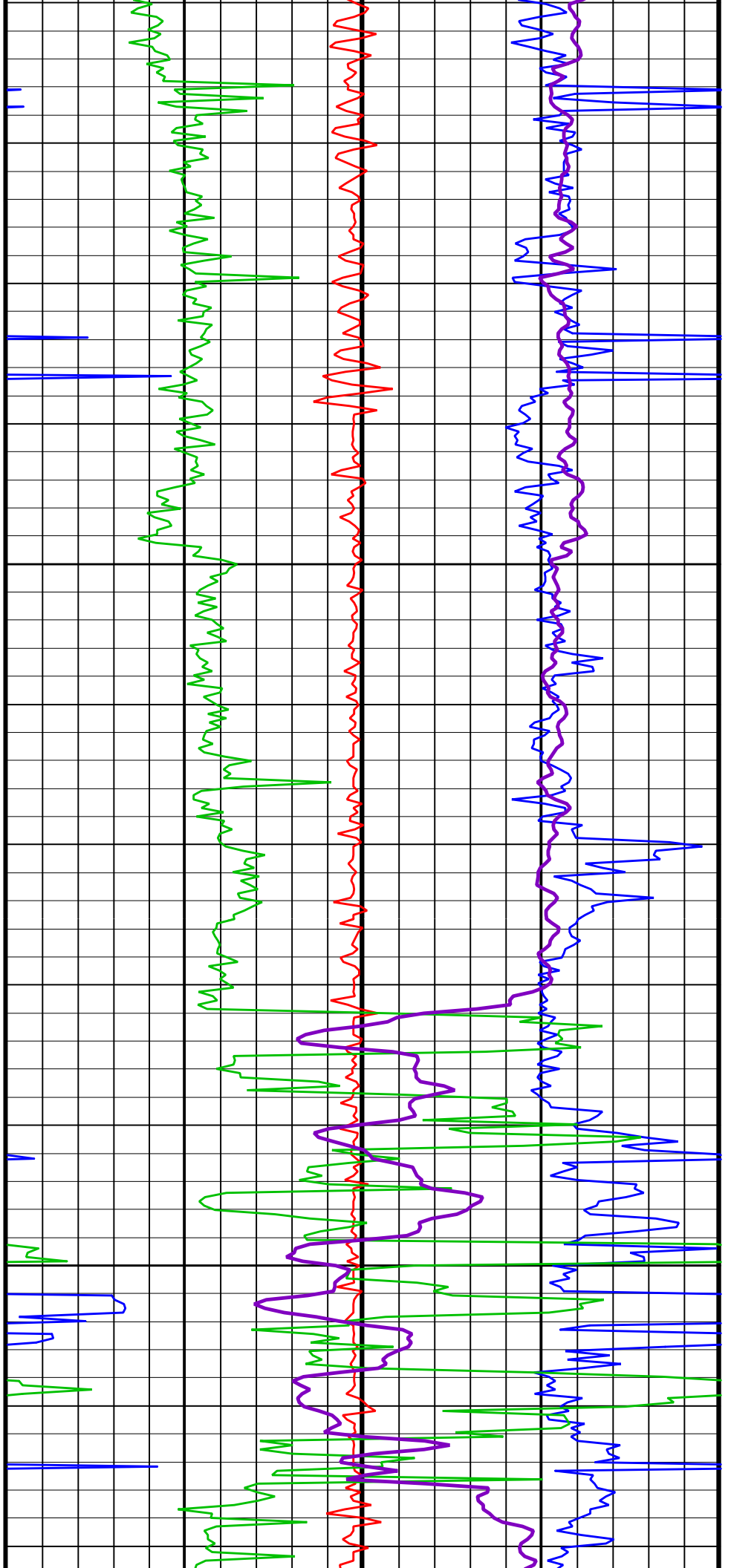


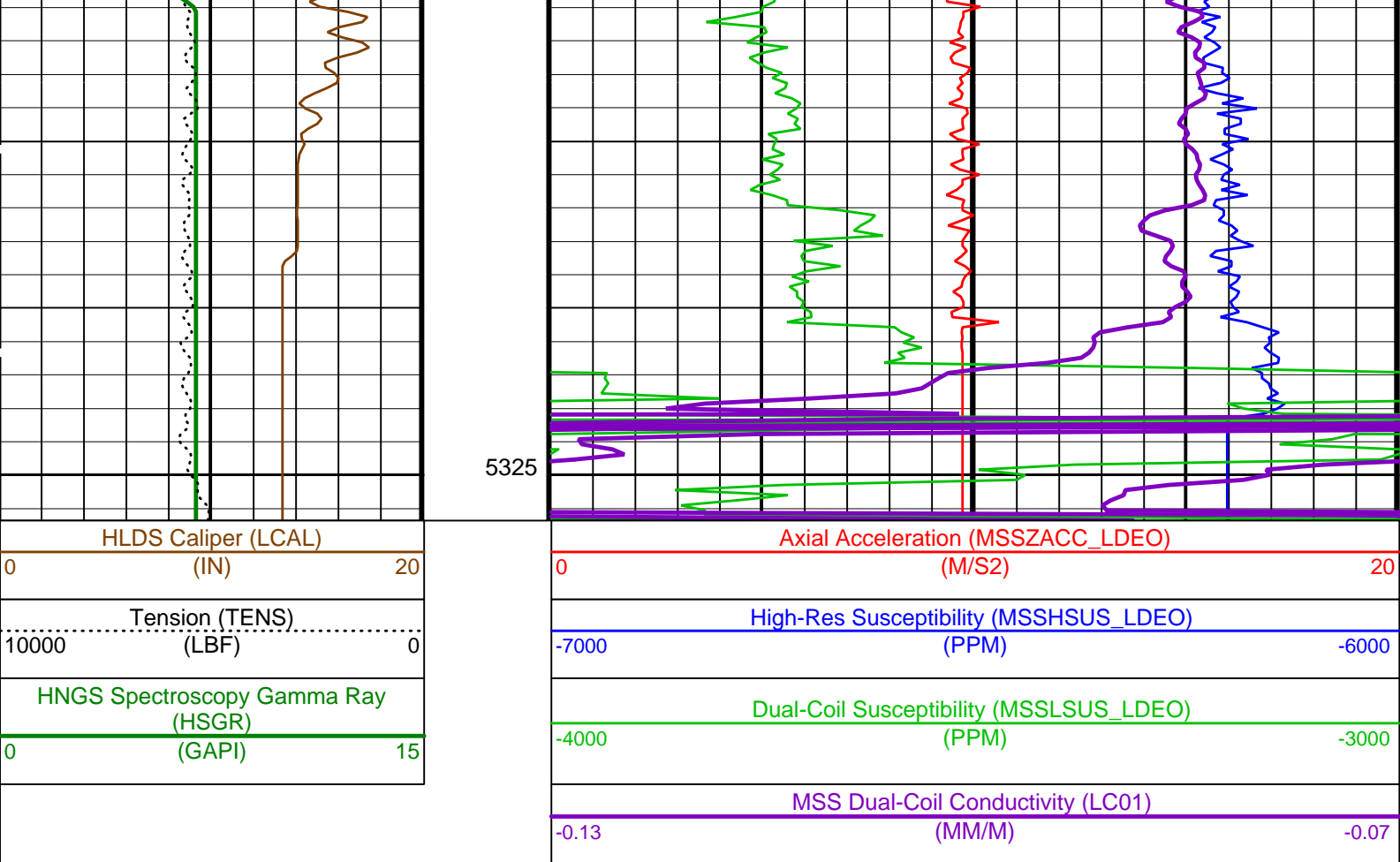




5275

5300





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	BS
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.00178051
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
HNPE	HNGS Processing Enable	YES
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
TPOS	Tool Position	ECCE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.37788
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.974941
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.10 G/C3
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Format: MSS_Logging

Vertical Scale: 1:200

Graphics File Created: 20-Mar-2009 16:02

OP System Version: 17C0-154

MSS_LDEO-A

17C0-154

HLDS

17C0-154

Input DLIS Files

DEFAULT	MSS_LDEO_LDL_NGS_015LUP	FN:17	PRODUCER	18-Mar-2009 03:14	5326.4 M	5089.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_LDL_NGS_030PUP	FN:33	PRODUCER	20-Mar-2009 16:02		
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Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement							
Master: 14-Mar-2009 14:36 Before: 17-Mar-2009 23:00 After: 18-Mar-2009 7:06							
SS Cs Resolution Bkg	9.000	8.424	8.461	8.468	0.006294	1.800	%
LS Cs Resolution Bkg	9.000	8.594	8.555	8.573	0.01742	1.800	%
LSW1 Background	100.0	77.03	75.31	76.00	0.6888	3.000	CPS
LSW2 Background	100.0	70.24	69.77	69.92	0.1473	3.000	CPS
LSW3 Background	200.0	155.8	156.5	156.7	0.2904	6.000	CPS
LSW4 Background	250.0	188.9	190.3	191.7	1.400	7.500	CPS
LSW5 Background	600.0	429.9	429.9	430.3	0.4689	18.00	CPS
SSW1 Background	100.0	74.59	73.68	74.64	0.9512	3.000	CPS
SSW2 Background	200.0	129.3	128.3	130.9	2.612	6.000	CPS
SSW3 Background	500.0	345.3	345.6	344.1	-1.505	15.00	CPS
SSW4 Background	270.0	183.6	185.8	184.8	-1.033	8.100	CPS
SSW5 Background	200.0	132.5	132.4	131.9	-0.5316	6.000	CPS
Hostile Litho-Density Sonde Wellsite Calibration - Aluminum Measurement							
Master: 14-Mar-2009 14:36							
LSW1 Aluminum	600.0	527.6	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	782.6	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	950.7	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	479.2	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	439.7	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	2254	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	6469	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	9378	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	3975	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	536.6	N/A	N/A	N/A	N/A	CPS
Hostile Litho-Density Sonde Wellsite Calibration - Lithology Measurement							
Master: 14-Mar-2009 14:36							
LSW1 Iron	400.0	352.8	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	621.4	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	829.5	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	430.9	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	399.5	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1671	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	5373	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	8503	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	3601	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	469.3	N/A	N/A	N/A	N/A	CPS
Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration							
Before: 17-Mar-2009 23:15							
HLDS Caliper Small Ring	8.000	N/A	10.74	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	12.00	N/A	14.75	N/A	N/A	N/A	IN

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check								
Master: 12-Mar-2009 19:24 Before: 17-Mar-2009 23:02 After: 18-Mar-2009 7:07								
Na 511 Peak Loc	40.00	40.60	40.49	40.68	0.1877	1.000		
Na 511 Peak Res	15.50	16.66	17.64	16.96	-0.6820	2.000	%	
High Voltage	1150	1174	1183	1181	-2.068	N/A	V	
Na 1785 Peak Loc	142.6	145.7	145.1	145.0	-0.1555	7.000		
Na 1785 Peak Res	8.500	9.231	9.840	10.03	0.1904	2.000	%	
Temperature	15.50	27.43	30.64	28.97	-1.675	N/A	DEGC	
Na Count Rate	45.00	37.76	38.10	37.68	-0.4226	8.000	CPS	

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check								
Master: 12-Mar-2009 19:24 Before: 17-Mar-2009 23:02 After: 18-Mar-2009 7:07								
Na 511 Peak Loc	40.00	40.61	40.64	40.59	-0.05334	1.000		
Na 511 Peak Res	15.50	14.67	16.20	15.98	-0.2151	2.000	%	
High Voltage	1150	1250	1271	1257	-14.30	N/A	V	
Na 1785 Peak Loc	142.6	143.6	144.4	144.8	0.4219	7.000		
Na 1785 Peak Res	8.500	8.251	8.655	7.947	-0.7082	2.000	%	
Temperature	15.50	26.37	29.83	29.30	-0.5365	N/A	DEGC	
Na Count Rate	45.00	38.49	38.60	37.85	-0.7454	8.000	CPS	

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2							
Master: 12-Mar-2009 19:24 Before: 17-Mar-2009 23:02 After: 18-Mar-2009 7:07							
Coincidence Count Rate Ratio	1.000	0.9811	0.9865	0.9954	0.008901	0.05000	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration							
Master: 12-Mar-2009 19:24							
Na 511 Peak Set Point	40.00	42.00	--	--	--	--	
Th Peak Loc	209.6	210.1	--	--	--	--	
Th Peak Res	7.000	8.224	--	--	--	--	%
Background Count Rate	142.5	20.31	--	--	--	--	CPS
Gain Ratio	1.000	0.9844	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration							
Master: 12-Mar-2009 19:24							
Na 511 Peak Set Point	40.00	42.00	--	--	--	--	
Th Peak Loc	209.6	207.9	--	--	--	--	
Th Peak Res	7.000	7.336	--	--	--	--	%
Background Count Rate	142.5	22.05	--	--	--	--	CPS
Gain Ratio	1.000	0.9744	--	--	--	--	

Hostile Litho-Density Sonde / Equipment Identification			
Primary Equipment:			
Hostile Litho Density Sonde	HLDS - D	35	
Hostile Litho Density High Voltage	HLDV - D	35	
Gamma Source Radioactive	GSR - Z	2326	
Auxiliary Equipment:			
Hostile Litho Density Pad	HLDP - C	35	
Hostile Litho Density High Voltage Housi	HEH - H	35	


Hostile Litho-Density Sonde Wellsite Calibration								
Background Measurement								
Phase	SS Cs Resolution Bkg %	Value	Phase	LS Cs Resolution Bkg %	Value	Phase	LSW1 Background CPS	Value
Master		8.424	Master		8.594	Master		77.03
Before		8.461	Before		8.555	Before		75.31
After		8.468	After		8.573	After		76.00
7.000 (Minimum)		9.000 (Nominal)	7.000 (Minimum)		9.000 (Nominal)	55.00 (Minimum)		
		11.000 (Maximum)			11.000 (Maximum)	100.0 (Nominal)		
						150.0 (Maximum)		
Phase	LSW2 Background CPS	Value	Phase	LSW3 Background CPS	Value	Phase	LSW4 Background CPS	Value
Master		70.24	Master		155.8	Master		188.9
Before		69.77	Before		156.5	Before		190.3
After		69.92	After		156.7	After		191.7
50.00 (Minimum)		100.0 (Nominal)	110.0 (Minimum)		200.0 (Nominal)	140.0 (Minimum)		
		140.0 (Maximum)			290.0 (Maximum)	250.0 (Nominal)		
						360.0 (Maximum)		
Phase	LSW5 Background CPS	Value	Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value
Master		429.9	Master		74.59	Master		129.3
Before		429.9	Before		73.68	Before		128.3

Before		429.9	Before		73.66	Before		120.3	
After		430.3	After		74.64	After		130.9	
	330.0 (Minimum)	600.0 (Nominal)	830.0 (Maximum)	55.00 (Minimum)	100.0 (Nominal)	150.0 (Maximum)	100.0 (Minimum)	200.0 (Nominal)	260.0 (Maximum)
Phase	SSW3 Background CPS		Value	SSW4 Background CPS		Value	SSW5 Background CPS		Value
Master		345.3	Master		183.6	Master		132.5	
Before		345.6	Before		185.8	Before		132.4	
After		344.1	After		184.8	After		131.9	
	280.0 (Minimum)	500.0 (Nominal)	700.0 (Maximum)	150.0 (Minimum)	270.0 (Nominal)	380.0 (Maximum)	110.0 (Minimum)	200.0 (Nominal)	270.0 (Maximum)
Master: 14-Mar-2009 14:36			Before: 17-Mar-2009 23:00			After: 18-Mar-2009 7:06			

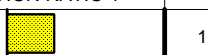
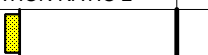
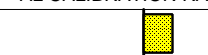



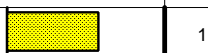
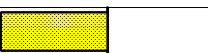
Hostile Litho-Density Sonde Master Calibration									
Detector Background Measurement									
Phase	LSW1 Background CPS		Value	LSW2 Background CPS		Value	LSW3 Background CPS		Value
Master		77.03	Master		70.24	Master		155.8	
	55.00 (Minimum)	100.0 (Nominal)	150.0 (Maximum)	50.00 (Minimum)	100.0 (Nominal)	140.0 (Maximum)	110.0 (Minimum)	200.0 (Nominal)	290.0 (Maximum)
Phase	LSW4 Background CPS		Value	LSW5 Background CPS		Value	LS Cs Resolution Bkg %		Value
Master		188.9	Master		429.9	Master		8.594	
	140.0 (Minimum)	250.0 (Nominal)	360.0 (Maximum)	330.0 (Minimum)	600.0 (Nominal)	830.0 (Maximum)	7.000 (Minimum)	9.000 (Nominal)	11.00 (Maximum)
Phase	SSW1 Background CPS		Value	SSW2 Background CPS		Value	SSW3 Background CPS		Value
Master		74.59	Master		129.3	Master		345.3	
	55.00 (Minimum)	100.0 (Nominal)	150.0 (Maximum)	100.0 (Minimum)	200.0 (Nominal)	260.0 (Maximum)	280.0 (Minimum)	500.0 (Nominal)	700.0 (Maximum)
Phase	SSW4 Background CPS		Value	SSW5 Background CPS		Value	SS Cs Resolution Bkg %		Value
Master		183.6	Master		132.5	Master		8.424	
	150.0 (Minimum)	270.0 (Nominal)	380.0 (Maximum)	110.0 (Minimum)	200.0 (Nominal)	270.0 (Maximum)	7.000 (Minimum)	9.000 (Nominal)	11.00 (Maximum)
Master: 14-Mar-2009 14:36									

Hostile Litho-Density Sonde Master Calibration									
Detector Aluminum Measurement (bkgd-subtracted)									
Phase	LSW1 Aluminum CPS		Value	LSW2 Aluminum CPS		Value	LSW3 Aluminum CPS		Value
Master		527.6	Master		782.6	Master		950.7	
	420.0 (Minimum)	600.0 (Nominal)	770.0 (Maximum)	650.0 (Minimum)	900.0 (Nominal)	1150 (Maximum)	800.0 (Minimum)	1100 (Nominal)	1450 (Maximum)
Phase	LSW4 Aluminum CPS		Value	LSW5 Aluminum CPS		Value	SSW1 Aluminum CPS		Value
Master		479.2	Master		439.7	Master		2254	
	410.0 (Minimum)	580.0 (Nominal)	740.0 (Maximum)	410.0 (Minimum)	570.0 (Nominal)	740.0 (Maximum)	2000 (Minimum)	2800 (Nominal)	3200 (Maximum)
Phase	SSW2 Aluminum CPS		Value	SSW3 Aluminum CPS		Value	SSW4 Aluminum CPS		Value
Master		6469	Master		9378	Master		3975	
	5800 (Minimum)	8000 (Nominal)	9300 (Maximum)	8300 (Minimum)	11600 (Nominal)	13500 (Maximum)	3500 (Minimum)	5000 (Nominal)	5800 (Maximum)
Phase	SSW5 Aluminum CPS		Value						
Master		536.6							
	470.0 (Minimum)	660.0 (Nominal)	770.0 (Maximum)						
Master: 14-Mar-2009 14:36									

Hostile Litho-Density Sonde Master Calibration									
Detector Litholog Measurement (bkgd-subtracted)									
Phase	LSW1 Iron CPS		Value	LSW2 Iron CPS		Value	LSW3 Iron CPS		Value
Master		352.8	Master		621.4	Master		829.5	
	290.0 (Minimum)	400.0 (Nominal)	560.0 (Maximum)	520.0 (Minimum)	730.0 (Nominal)	950.0 (Maximum)	720.0 (Minimum)	1000 (Nominal)	1350 (Maximum)
Phase	LSW4 Iron CPS		Value	LSW5 Iron CPS		Value	SSW1 Iron CPS		Value
Master		430.9	Master		399.5	Master		1671	
	370.0 (Minimum)	520.0 (Nominal)	700.0 (Maximum)	340.0 (Minimum)	470.0 (Nominal)	750.0 (Maximum)	1500 (Minimum)	2100 (Nominal)	2400 (Maximum)
Phase	SSW2 Iron CPS		Value	SSW3 Iron CPS		Value	SSW4 Iron CPS		Value
Master		5373	Master		8503	Master		3601	
	410.0 (Minimum)	520.0 (Nominal)	520.0 (Maximum)	410.0 (Minimum)	520.0 (Nominal)	520.0 (Maximum)	410.0 (Minimum)	520.0 (Nominal)	520.0 (Maximum)

4900 (Minimum)	6800 (Nominal)	7900 (Maximum)	7800 (Minimum)	10800 (Nominal)	12600 (Maximum)	3300 (Minimum)	4600 (Nominal)	5400 (Maximum)
Phase	SSW5 Iron CPS		Value					
Master			469.3					
	420.0 (Minimum)	580.0 (Nominal)	680.0 (Maximum)					

Master: 14-Mar-2009 14:36


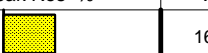
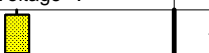



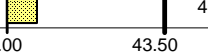
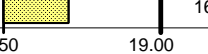
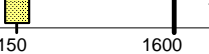



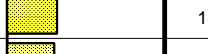

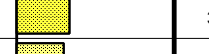
Hostile Litho-Density Sonde Master Calibration														
Quality Ratios														
Phase	AL CALIBRATION RATIO 1			Value	Phase	AL CALIBRATION RATIO 2			Value	Phase	AL CALIBRATION RATIO 3			Value
Master				1.035	Master				2.079	Master				0.5742
	0.9000 (Minimum)	1.000 (Nominal)	1.100 (Maximum)		1.900 (Minimum)	2.100 (Nominal)	2.300 (Maximum)		0.4500 (Minimum)	0.5500 (Nominal)	0.6500 (Maximum)			
Phase	AL CALIBRATION RATIO 4			Value	Phase	Pad-Wear SS Ratio			Value	Phase	Pad-Wear LS Ratio			Value
Master				0.4997	Master				0.9930	Master				0.9925
	0.4000 (Minimum)	0.5500 (Nominal)	0.6500 (Maximum)		0.9800 (Minimum)	0.9880 (Nominal)	0.9960 (Maximum)		0.9800 (Minimum)	0.9880 (Nominal)	0.9960 (Maximum)			
Phase	Pad-Position SS Ratio			Value	Phase	Pad-Position LS Ratio			Value					
Master				1.006	Master				0.9851					
	0.9900 (Minimum)	0.9940 (Nominal)	1.015 (Maximum)		0.9850 (Minimum)	0.9940 (Nominal)	1.010 (Maximum)							

Master: 14-Mar-2009 14:36

Litho-Density Spectroscopy Cartridge - B / Equipment Identification			
Primary Equipment:	LDSC Cartridge	LDSC - B	521
Auxiliary Equipment:	LDSC Housing	LDSH - A	126

Hostile Natural Gamma Ray Cartridge - B / Equipment Identification			
Primary Equipment:	HNGC Cartridge	HNGC - B	202
Auxiliary Equipment:	HNGC Housing	HNGH - A	30

Hostile Natural Gamma Ray Sonde / Equipment Identification			
Primary Equipment:	HNGS Sonde	HNGS - BA	27
Auxiliary Equipment:	HNGS Sonde Housing	HNSH - BA	27
	Gamma Source Radioactive	GSR - U	1154

Hostile Natural Gamma Ray Sonde Wellsite Calibration														
Detector 1 Check														
Phase	Na 511 Peak Loc			Value	Phase	Na 511 Peak Res %			Value	Phase	High Voltage V			Value
Master				40.60	Master				16.66	Master				1174
Before				40.49	Before				17.64	Before				1183
After				40.68	After				16.96	After				1181
	37.50 (Minimum)	40.00 (Nominal)	43.50 (Maximum)		12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)		900.0 (Minimum)	1150 (Nominal)	1600 (Maximum)			
Phase	Na 1785 Peak Loc			Value	Phase	Na 1785 Peak Res %			Value	Phase	Temperature DEGC			Value
Master				145.7	Master				9.231	Master				27.43
Before				145.1	Before				9.840	Before				30.64
After				145.0	After				10.02	After				28.07

Alter	135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)	7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)	10.03	Alter	-28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)	28.97
Phase	Na Count Rate CPS			Value								
Master				37.76								
Before				38.10								
After				37.68								
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)									
Master: 12-Mar-2009 19:24				Before: 17-Mar-2009 23:02				After: 18-Mar-2009 7:07				

Hostile Natural Gamma Ray Sonde Wellsite Calibration														
Detector 2 Check														
Phase	Na 511 Peak Loc			Value	Phase	Na 511 Peak Res %			Value	Phase	High Voltage V			Value
Master				40.61	Master				14.67	Master				1250
Before				40.64	Before				16.20	Before				1271
After				40.59	After				15.98	After				1257
	37.50 (Minimum)	40.00 (Nominal)	43.50 (Maximum)		12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)		900.0 (Minimum)	1150 (Nominal)	1600 (Maximum)			
Phase	Na 1785 Peak Loc			Value	Phase	Na 1785 Peak Res %			Value	Phase	Temperature DEGC			Value
Master				143.6	Master				8.251	Master				26.37
Before				144.4	Before				8.655	Before				29.83
After				144.8	After				7.947	After				29.30
	135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)		7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)		-28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)			
Phase	Na Count Rate CPS			Value										
Master				38.49										
Before				38.60										
After				37.85										
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)											
Master: 12-Mar-2009 19:24				Before: 17-Mar-2009 23:02				After: 18-Mar-2009 7:07						

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9811
Before		0.9865
After		0.9954
	0.9500 (Minimum)	1.000 (Nominal)
Master: 12-Mar-2009 19:24		
Before: 17-Mar-2009 23:02		
After: 18-Mar-2009 7:07		

Hostile Natural Gamma Ray Sonde Master Calibration														
Detector 1 Calibration														
Phase	Na 511 Peak Set Point			Value	Phase	Th Peak Loc			Value	Phase	Th Peak Res %			Value
Master				42.00	Master				210.1	Master				8.224
	38.00 (Minimum)	40.00 (Nominal)	43.00 (Maximum)		201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)		5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)			
Phase	Background Count Rate CPS			Value	Phase	Gain Ratio			Value					
Master				20.31	Master				0.9844					
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)		0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)							
Master: 12-Mar-2009 19:24														

Hostile Natural Gamma Ray Sonde Master Calibration														
Detector 2 Calibration														
Phase	Na 511 Peak Set Point			Value	Phase	Th Peak Loc			Value	Phase	Th Peak Res %			Value
Master				42.00	Master				207.9	Master				7.336

38.00 (Minimum)	40.00 (Nominal)	43.00 (Maximum)	201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)	5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)
Phase	Background Count Rate	CPS	Value	Phase	Gain Ratio	Value		
Master			22.05	Master		0.9744		
10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)			

Master: 12-Mar-2009 19:24

DTS Telemetry Tool / Equipment Identification

Primary Equipment:

DTC-H Auxiliary Cartridge	DTCH - A	8789
DTC-H Telemetry Cartridge	DTCH - A	8798

Auxiliary Equipment:

DTCH Telemetry Cartridge Housing	ECH - KC	1777
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Company: Lamont Doherty

Schlumberger

Well: Expedition 320, Site U1331A

Field: PEAT

Rig: JOIDES Resolution

Country: USA

Lamont Doherty
Magnetic Susceptibility
Uplog