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OTHER SERVICES1
 OS1: FMS
 OS2: MSS
 OS3: DSI
 OS4:
 OS5:

OTHER SERVICES2
 OS1:
 OS2:
 OS3:
 OS4:
 OS5:

REMARKS: RUN NUMBER 1
 Hole drilled with APC/XCB coring bit and bottom hole assembly (BHA).
 Lamont Magnetic Susceptibility (MSS) tool run in combination with HRLA/HLDS/HNGS
 4 knuckle joints decouple the eccentered HLDS and HNGS from the centered HRLA
 and MSS.
 Density source not used in site U1394B. HLDS only run for caliper data.
 The density source was removed to limit risk of losing the source as
 hole A collapsed and required pipe recovery operations.
 The parameter GCSE is zoned for BS where the caliper is closed and LCAL where
 the caliper is open. This provides the best hole size input to the HRLA and
 HNGS tools for environmental corrections.

REMARKS: RUN NUMBER 2

RUN 1		
SERVICE ORDER #:	PROGRAM VERSION:	19C0-187
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

RUN 2		
SERVICE ORDER #:	PROGRAM VERSION:	FLUID LEVEL:
LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION




RUN 1

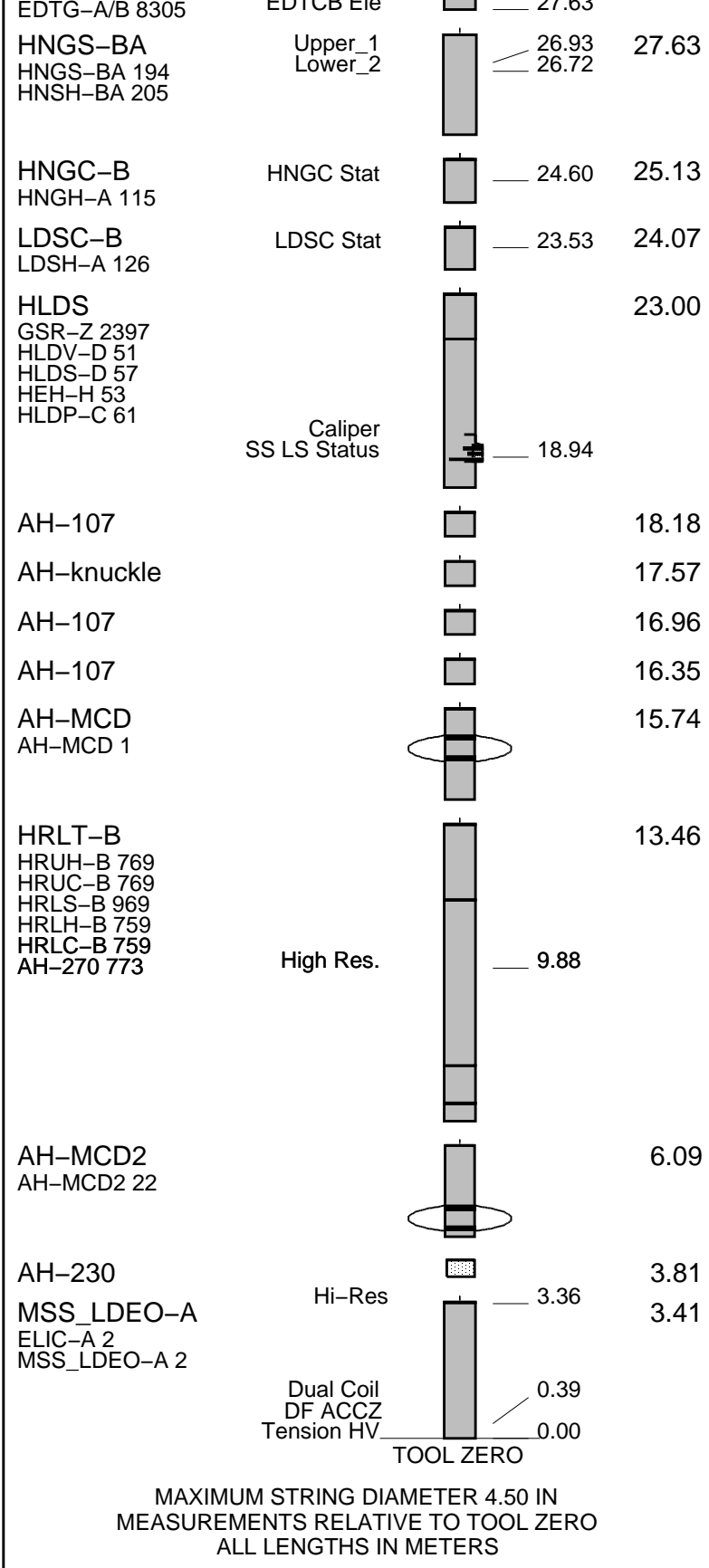
SURFACE EQUIPMENT

GSR-U 616008
 WITM (EDTS)-A

RUN 2

DOWNHOLE EQUIPMENT

LEH-QT				30.94
LEH-QT 301	MDSB_EDTC			
AH-369	Mud Tempe		29.61	30.05
	CTEM		28.55	
EDTC-B	Gamma Ray		27.98	29.61
EDTH-B 8303	EFTB DIAG			
EDTC-B 8317	TelStatus			
	EDTC-Fls		27.62	

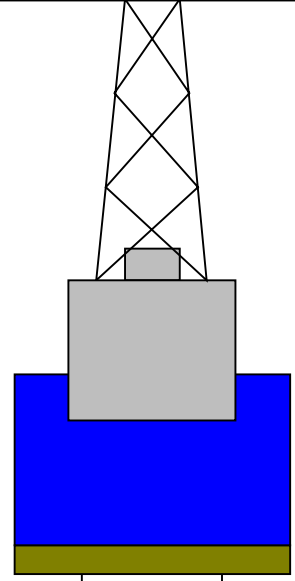


Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	MD	

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

-1125
-1125
-1114



4.1



0
83
182

3.80
11.43

Sea Floor
Open Hole
Total Depth

Input DLIS Files

DEFAULT MSS_LDEO_HRLA_LDL_006LUP FN:7 PRODUCER 19-Mar-2012 18:20 1305.3 M 1109.3 M

Output DLIS Files

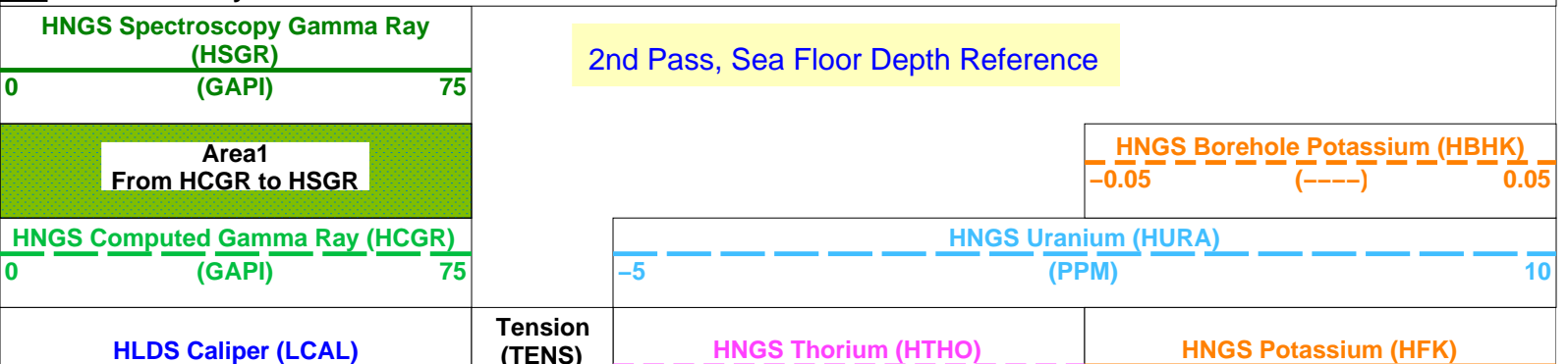
DEFAULT MSS_LDEO_HRLA_LDL_043PUP FN:14 PRODUCER 19-Mar-2012 21:45 181.4 M -14.9 M

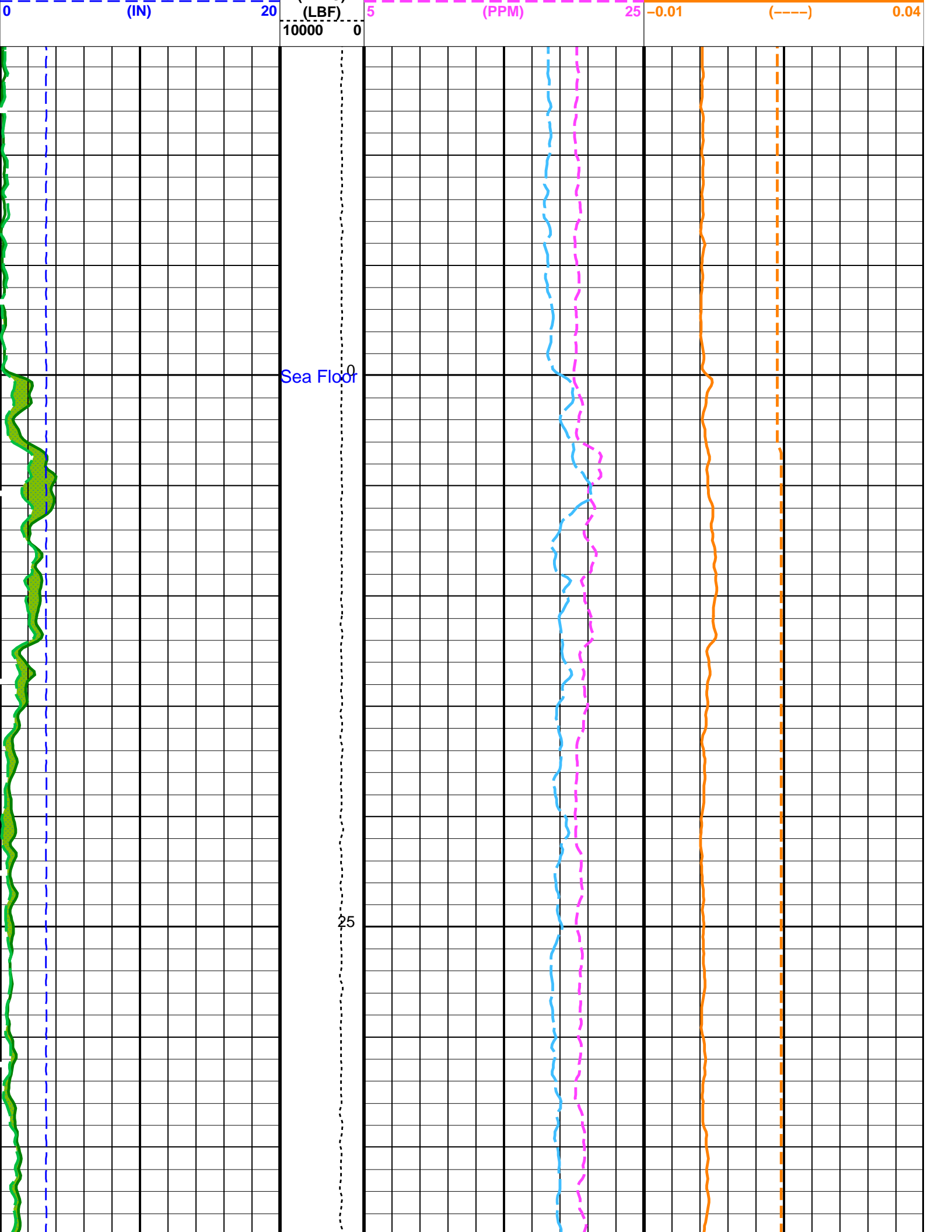
OP System Version: 19C0-187

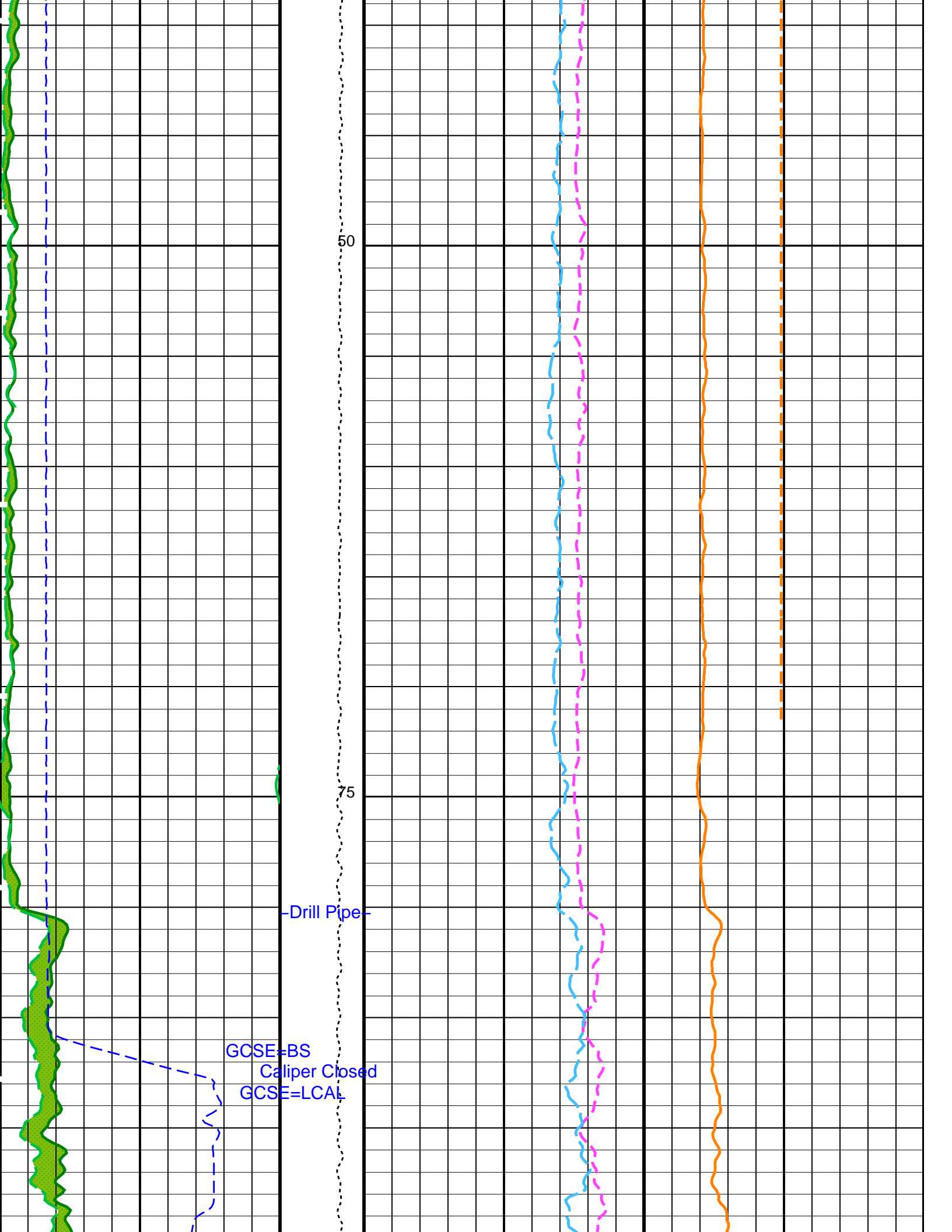
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

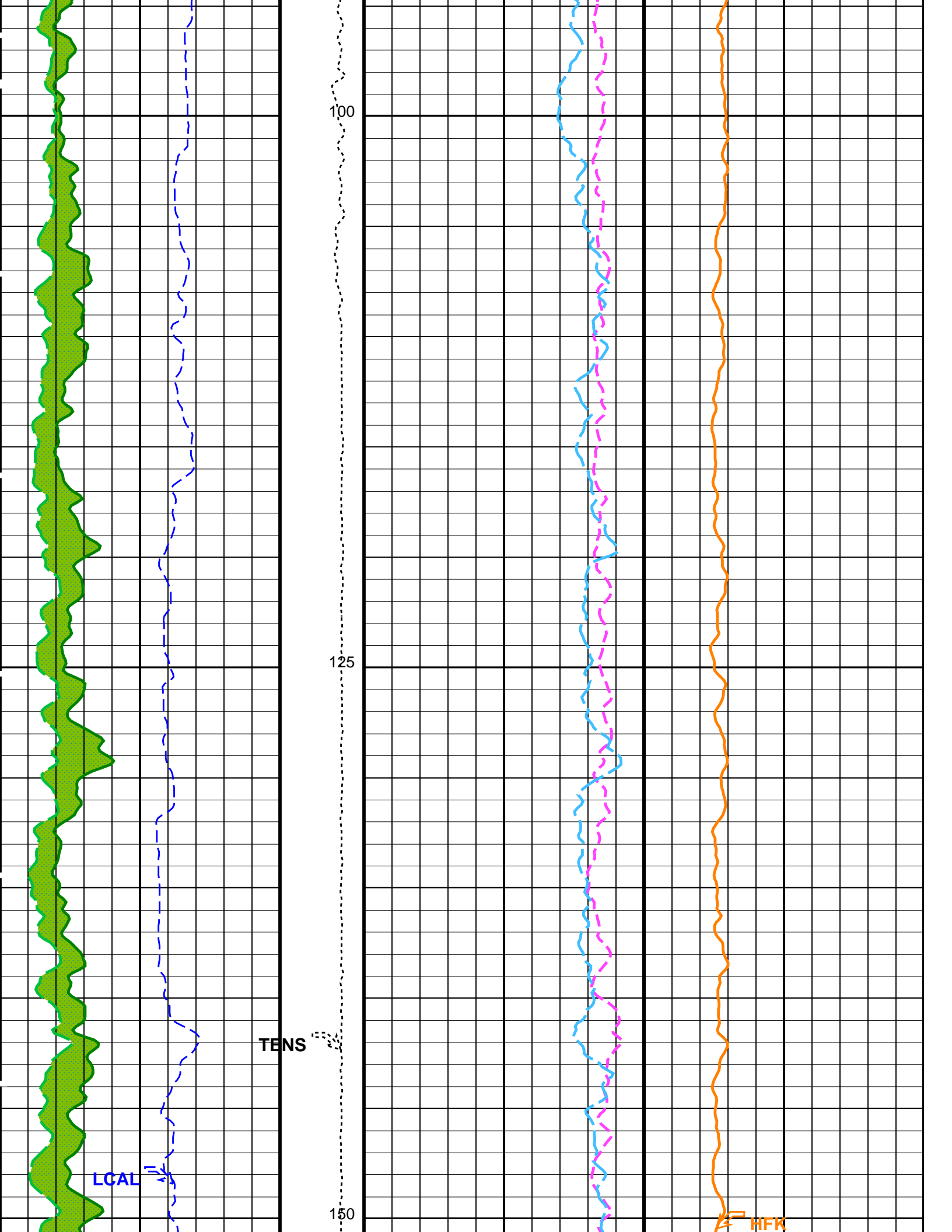
PIP SUMMARY

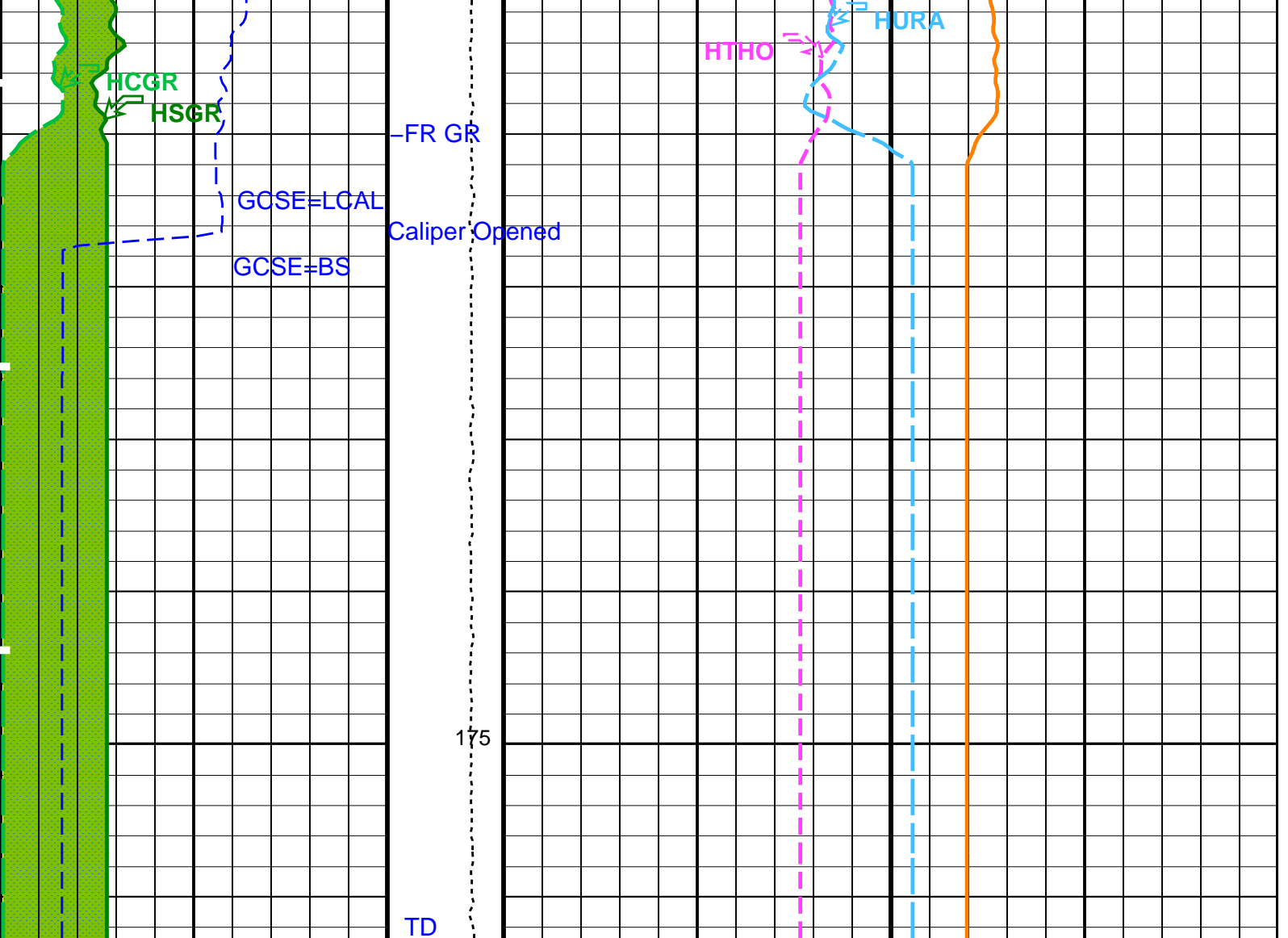
Time Mark Every 60 S











HLDS Caliper (LCAL) (IN) 0 20	Tension (TENS) (LBF) 10000 0	HNGS Thorium (HTHO) (PPM) 5 25	HNGS Potassium (HFK) (-----) -0.01 0.04
HNGS Computed Gamma Ray (HCGR) (GAPI) 0 75	HNGS Uranium (HURA) (PPM) -5 10		
Area1 From HCGR to HSGR	2nd Pass, Sea Floor Depth Reference		HNGS Borehole Potassium (HBHK) (-----) -0.05 0.05
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 75	Playback with GCSE set as noted on log		

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HRLT-B:	High Resolution Laterolog Array - B	
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
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

CSWZ	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	-0.00194163	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
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	1.01392	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00254	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.25	G/C3
DO	Depth Offset for Playback	-1124.3	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 19-Mar-2012 21:45

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_006LUP	FN:7	PRODUCER	19-Mar-2012 18:20	1305.3 M	1109.3 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_043PUP	FN:14	PRODUCER	19-Mar-2012 21:45		
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Input DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_005LUP	FN:6	PRODUCER	19-Mar-2012 18:20	1305.3 M	1246.5 M
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Output DLIS Files

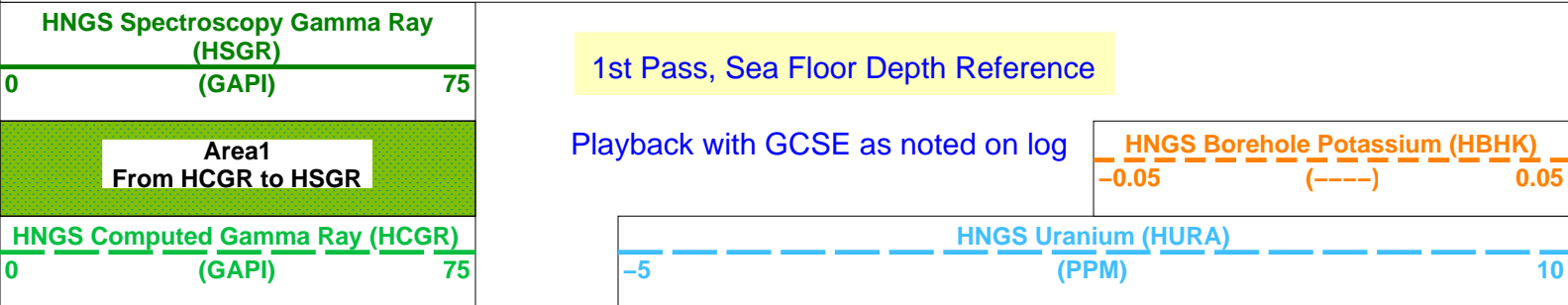
DEFAULT	MSS_LDEO_HRLA_LDL_042PUP	FN:13	PRODUCER	19-Mar-2012 21:32	181.4 M	122.4 M
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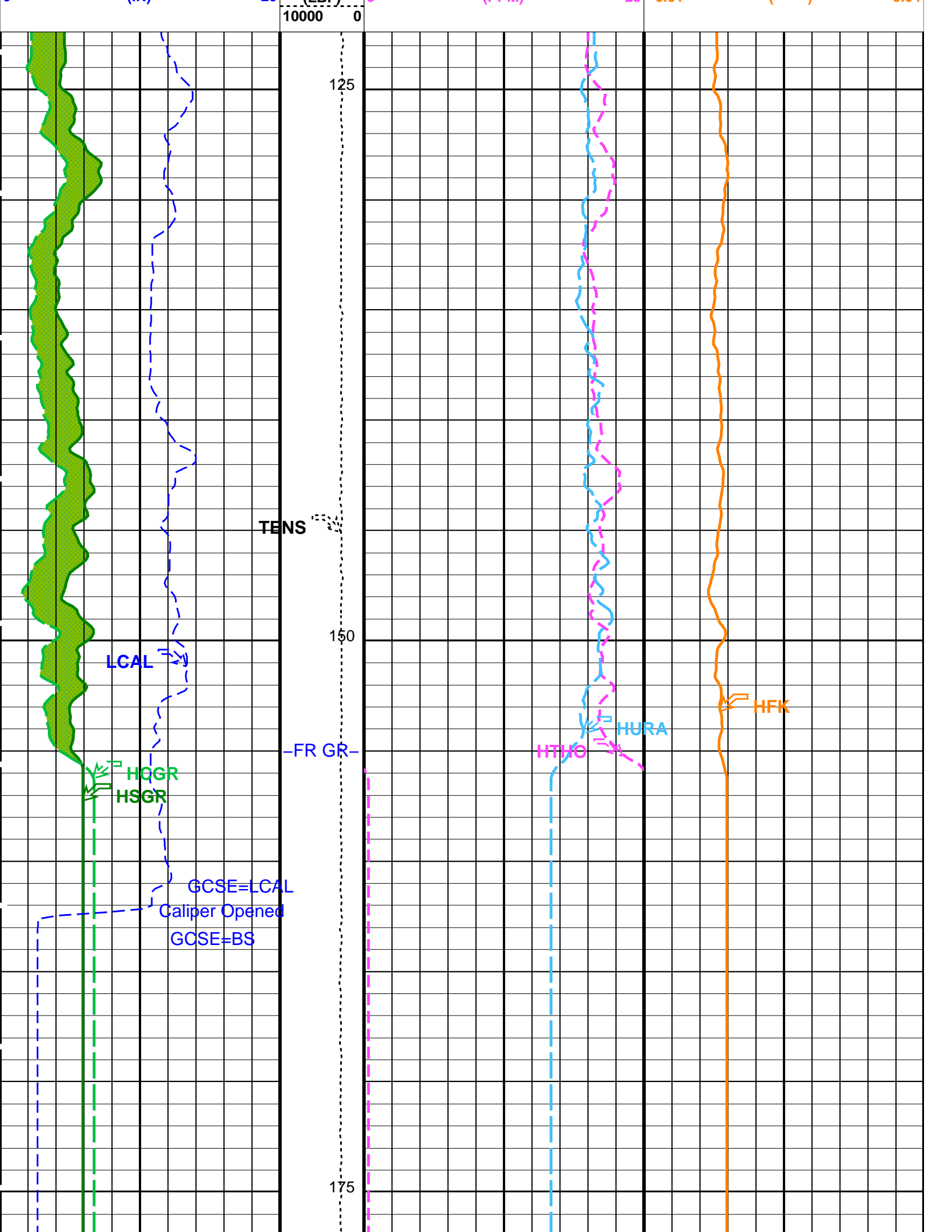
OP System Version: 19C0-187

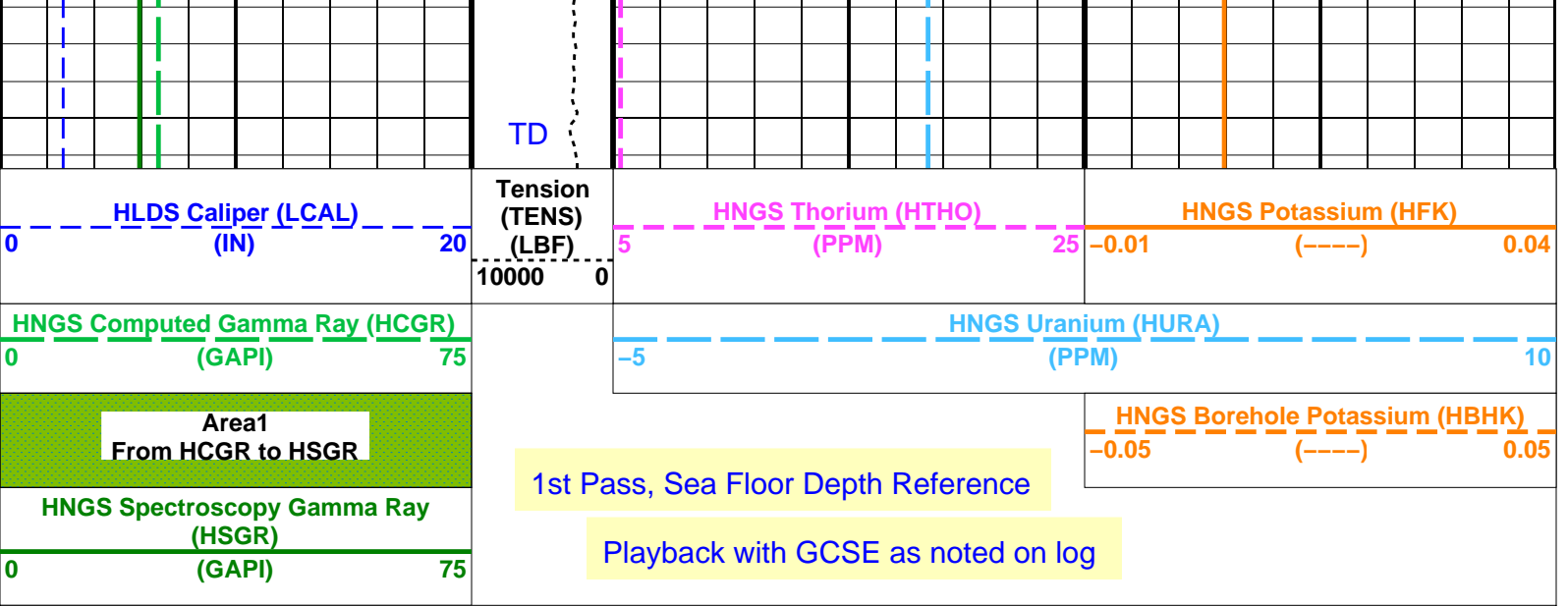
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
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	-0.00194163
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	BARI
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	1.01392
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00254
EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
System and Miscellaneous		
BS	Bit Size	11.438 IN
DFD	Drilling Fluid Density	1.25 G/C3
DO	Depth Offset for Playback	-1124.3 M
PP	Playback Processing	RECOMPUTE

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 19-Mar-2012 21:32

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_005LUP	FN:6	PRODUCER	19-Mar-2012 18:20	1305.3 M	1246.5 M
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Output DLIS Files

DEFAULT MSS_LDEO_HRLA_LDL_042PUP FN:13 PRODUCER 19-Mar-2012 21:32

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M01							
Before: 12-Mar-2012 7:07							
HRLT M0-M1 Voltage Plus – 0	0	N/A	-318.2	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 1	0	N/A	-324.6	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 2	0	N/A	-328.1	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 3	0	N/A	-333.5	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 4	0	N/A	-324.1	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 5	0	N/A	-320.8	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 6	0	N/A	317.3	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 7	0	N/A	-322.7	N/A	N/A	9.681	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M12							
Before: 12-Mar-2012 7:07							
HRLT M1-M2 Voltage Plus – 0	0	N/A	1750	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 1	0	N/A	1784	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 2	0	N/A	1798	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 3	0	N/A	1828	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 4	0	N/A	1779	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 5	0	N/A	1762	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 6	0	N/A	-1751	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 7	0	N/A	1781	N/A	N/A	53.42	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M23							
Before: 12-Mar-2012 7:07							
HRLT M2-M3 Voltage Plus – 0	0	N/A	1736	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 1	0	N/A	1783	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 2	0	N/A	1798	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 3	0	N/A	1831	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 4	0	N/A	1775	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 5	0	N/A	1760	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 6	0	N/A	-1739	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 7	0	N/A	1781	N/A	N/A	53.42	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT V34							
Before: 12-Mar-2012 7:07							
HRLT A3-A4 Voltage Plus – 0	0	N/A	68200	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus – 1	0	N/A	69800	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus – 2	0	N/A	70710	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus – 3	0	N/A	72290	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus – 4	0	N/A	70030	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus – 5	0	N/A	69440	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus – 6	0	N/A	-67150	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus – 7	0	N/A	70000	N/A	N/A	2100	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT V45							
Before: 12-Mar-2012 7:07							
HRLT A4-A5 Voltage Plus – 0	0	N/A	68470	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus – 1	0	N/A	70180	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus – 2	0	N/A	71080	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus – 3	0	N/A	72640	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus – 4	0	N/A	70330	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus – 5	0	N/A	69710	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus – 6	0	N/A	-67520	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus – 7	0	N/A	70000	N/A	N/A	2100	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT V56							
Before: 12-Mar-2012 7:07							
HRLT A5-A6 Voltage Plus – 0	0	N/A	68370	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus – 1	0	N/A	69910	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus – 2	0	N/A	70840	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus – 3	0	N/A	72420	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus – 4	0	N/A	70200	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus – 5	0	N/A	69600	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus – 6	0	N/A	-67240	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus – 7	0	N/A	70000	N/A	N/A	2100	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT VTP							

Before: 12-Mar-2012 7:07

HRLT Torpedo-M0 Voltage - 0	0	N/A	-68060	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-70250	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-71130	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-72710	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-70400	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-69760	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	67520	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 7	0	N/A	-70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VBD

Before: 12-Mar-2012 7:07

HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68050	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-70210	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-71110	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-72700	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-70380	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-69740	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	67490	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 7	0	N/A	-70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT ISO

Before: 12-Mar-2012 7:07

HRLT Source Current Plus - 0	0	N/A	283.8	N/A	N/A	8.520	UA
HRLT Source Current Plus - 1	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 2	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 3	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 4	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 5	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 6	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 7	0	N/A	281.1	N/A	N/A	8.520	UA

High Resolution Laterolog Array - B Wellsite Calibration - HRLT MV

Before: 12-Mar-2012 7:07

HRLT Vertical Voltage PI - 0	0	N/A	-320.7	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 1	0	N/A	-319.0	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 2	0	N/A	-321.6	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 3	0	N/A	-325.3	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 4	0	N/A	-313.6	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 5	0	N/A	-325.5	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 6	0	N/A	324.3	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 7	0	N/A	-322.7	N/A	N/A	9.681	UV

Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement

Master: 28-Feb-2012 2:19 Before: 28-Feb-2012 2:36

SS Cs Resolution Bkg	9.000	8.563	8.511	N/A	N/A	1.800	%
LS Cs Resolution Bkg	9.000	8.637	8.632	N/A	N/A	1.800	%
LSW1 Background	100.0	71.69	71.37	N/A	N/A	0.03000	CPS
LSW2 Background	100.0	65.72	64.67	N/A	N/A	0.03000	CPS
LSW3 Background	200.0	147.7	146.0	N/A	N/A	0.03000	CPS
LSW4 Background	250.0	178.3	178.0	N/A	N/A	0.03000	CPS
LSW5 Background	600.0	402.3	401.7	N/A	N/A	0.03000	CPS
SSW1 Background	100.0	68.69	69.17	N/A	N/A	0.03000	CPS
SSW2 Background	200.0	121.6	122.1	N/A	N/A	0.03000	CPS
SSW3 Background	500.0	321.9	321.7	N/A	N/A	0.03000	CPS
SSW4 Background	270.0	172.2	173.0	N/A	N/A	0.03000	CPS
SSW5 Background	200.0	123.5	123.8	N/A	N/A	0.03000	CPS

Hostile Litho-Density Sonde Wellsite Calibration - Aluminum Measurement

Master: 28-Feb-2012 2:19

LSW1 Aluminum	600.0	521.9	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	758.2	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	921.8	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	463.1	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	428.2	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	2229	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	6354	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	9261	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	3871	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	518.3	N/A	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration - Lithology Measurement

Master: 28-Feb-2012 2:19

LSW1 Iron	400.0	352.2	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	613.7	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	811.4	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	425.3	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	389.1	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1664	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	5327	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	8450	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	3532	N/A	N/A	N/A	N/A	CPS

SSW4 Iron	4000	3332	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	458.1	N/A	N/A	N/A	N/A	CPS
Hostile Litho-Density Sonde Wellsite Calibration – Caliper Calibration							
Before: 28-Feb-2012 2:41							
HLDS Caliper Small Ring	12.00	N/A	13.84	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.19	N/A	17.47	N/A	N/A	N/A	IN
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: 26-Feb-2012 20:15 Before: 6-Mar-2012 18:49							
Na 511 Peak Loc	40.00	39.64	39.54	N/A	N/A	1.000	
Na 511 Peak Res	15.50	14.75	15.72	N/A	N/A	2.000	%
High Voltage	1150	1169	1182	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	141.6	141.5	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.869	8.671	N/A	N/A	2.000	%
Temperature	15.50	26.03	31.35	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	19.34	19.64	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: 26-Feb-2012 20:15 Before: 6-Mar-2012 18:49							
Na 511 Peak Loc	40.00	39.65	39.61	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.96	15.84	N/A	N/A	2.000	%
High Voltage	1150	1100	1109	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	142.2	141.4	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	7.801	8.832	N/A	N/A	2.000	%
Temperature	15.50	26.16	31.73	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	19.53	20.28	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 26-Feb-2012 20:15 Before: 6-Mar-2012 18:49							
Coincidence Count Rate Ratio	1.000	0.9899	0.9701	N/A	N/A	0.05000	
Hostile Natural Gamma Ray Sonde Master Calibration – Detector 1 Calibration							
Master: 26-Feb-2012 20:03							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	210.0	--	--	--	--	
Th Peak Res	7.000	6.521	--	--	--	--	%
Background Count Rate	142.5	18.97	--	--	--	--	CPS
Gain Ratio	1.000	1.008	--	--	--	--	
Hostile Natural Gamma Ray Sonde Master Calibration – Detector 2 Calibration							
Master: 26-Feb-2012 20:03							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	207.8	--	--	--	--	
Th Peak Res	7.000	6.775	--	--	--	--	%
Background Count Rate	142.5	18.84	--	--	--	--	CPS
Gain Ratio	1.000	0.9969	--	--	--	--	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 12-Mar-2012 7:07							
EDTC Z-Axis Acceleration	9.810	N/A	9.743	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 4-Mar-2012 17:35							
Gamma Ray (Jig – Bkg)	159.9	N/A	159.9	N/A	N/A	14.53	GAPI
Gamma Ray (Calibrated)	164.0	N/A	164.0	N/A	N/A	15.00	GAPI

High Resolution Laterolog Array – B / Equipment Identification

Primary Equipment:		
HRLT Sonde	HRLS – B	969
Auxiliary Equipment:		
HRLT lower Housing	HRLH – B	759
HRLT Lower Cartridge	HRLC – B	759
HRLT upper Housing	HRUH – B	769
HRLT Upper Cartridge	HRUC – B	769

Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:		
Hostile Litho Density Sonde	HLDS – D	57
Hostile Litho Density High Voltage	HLDV – D	51
Gamma Source Radioactive	GSR – Z	2397
Auxiliary Equipment:		

Auxiliary Equipment:
 Hostile Litho Density Pad
 Hostile Litho Density High Voltage Housi

HLDP - C 61
 HEH - H 53

Litho-Density Spectroscopy Cartridge - B / Equipment Identification

Primary Equipment:
 LDSC Cartridge LDSC - B 366
 Auxiliary Equipment:
 LDSC Housing LDSH - A 126

Hostile Natural Gamma Ray Cartridge - B / Equipment Identification

Primary Equipment:
 HNGC Cartridge HNGC - B 300
 Auxiliary Equipment:
 HNGC Housing HNGH - A 115

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:
 HNGS Sonde HNGS - BA 194
 Auxiliary Equipment:
 HNGS Sonde Housing HNSH - BA 205
 Gamma Source Radioactive GSR - U 616008

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		39.64	Master		14.75	Master		1169
Before		39.54	Before		15.72	Before		1182
	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		141.6	Master		8.869	Master		26.03
Before		141.5	Before		8.671	Before		31.35
	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		19.34						
Before		19.64						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: 26-Feb-2012 20:15

Before: 6-Mar-2012 18:49

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		39.65	Master		16.96	Master		1100
Before		39.61	Before		15.84	Before		1109
	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		142.2	Master		7.801	Master		26.16
Before		141.4	Before		8.832	Before		31.73
	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		19.53
Before		20.28
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)	

Master: 26-Feb-2012 20:15

Before: 6-Mar-2012 18:49

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9899
Before		0.9701
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	

Master: 26-Feb-2012 20:15

Before: 6-Mar-2012 18:49

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		41.00	Master		210.0	Master		6.521
	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		18.97	Master		1.008			
	10.00 (Minimum) 142.5 (Nominal) 265.0 (Maximum)			0.9400 (Minimum) 1.000 (Nominal) 1.060 (Maximum)				

Master: 26-Feb-2012 20:03

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		41.00	Master		207.8	Master		6.775
	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		18.84	Master		0.9969			
	10.00 (Minimum) 142.5 (Nominal) 265.0 (Maximum)			0.9400 (Minimum) 1.000 (Nominal) 1.060 (Maximum)				

Master: 26-Feb-2012 20:03

Enhanced DTS Cartridge / Equipment Identification			
Primary Equipment:			
EDTC Gamma Ray Detector	EDTG - A/B	8305	
Enhanced DTS Cartridge	EDTC - B	8317	
Auxiliary Equipment:			
EDTC Housing	EDTH - B	8303	

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.743
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	

Before: 12-Mar-2012 7:07

Enhanced DTS Cartridge Wellsite Calibration								
Detector Calibration								
Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig - Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value
Before		7.622	Before		159.9	Before		164.0
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			145.3 (Minimum) 159.9 (Nominal) 174.4 (Maximum)			149.0 (Minimum) 164.0 (Nominal) 179.0 (Maximum)	

Company: Lamont Doherty Earth Observatory

Schlumberger

Well: Expedition 340, Site U1394B

Field: Lesser Antilles Volcanism and Landslides

Rig: JOIDES Resolution

Ocean: Caribbean

Hostile Natural Gamma Sonde (HNGS)
Spectroscopy