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OTHER SERVICES1
 OS1: FMS
 OS2: DITE
 OS3: Caliper (HLDS)
 OS4:
 OS5: UBI

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

REMARKS: RUN NUMBER 1
 Hole was drilled with a 9 7/8" RCB bit to TDD of 1133 mbrf.
 Tools bridged at 737mbrf, and logs obtained from that depth and up to drill pipe and seafloor.
 Phasor Induction resistivity not valid inside drill pipe.
 HLDS density not available as density source was not installed per IODP request due to poor hole conditions to reduce risk.
 Downlog used for repeat section.
 All logs recorded via wireline thru 5-5.5" drillpipe and RCB coring BHA consisting of a bit release sub, Kinley sub, drill collars. The bit was released at TD prior to logging.
 GCSE set to LCAL where HLDS Caliper is opened.

REMARKS: RUN NUMBER 2

RUN 1		
SERVICE ORDER #:		
PROGRAM VERSION:	19C0-187	
FLUID LEVEL:	0 m	
LOGGED INTERVAL	START	STOP

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

EQUIPMENT DESCRIPTION





RUN 1

SURFACE EQUIPMENT

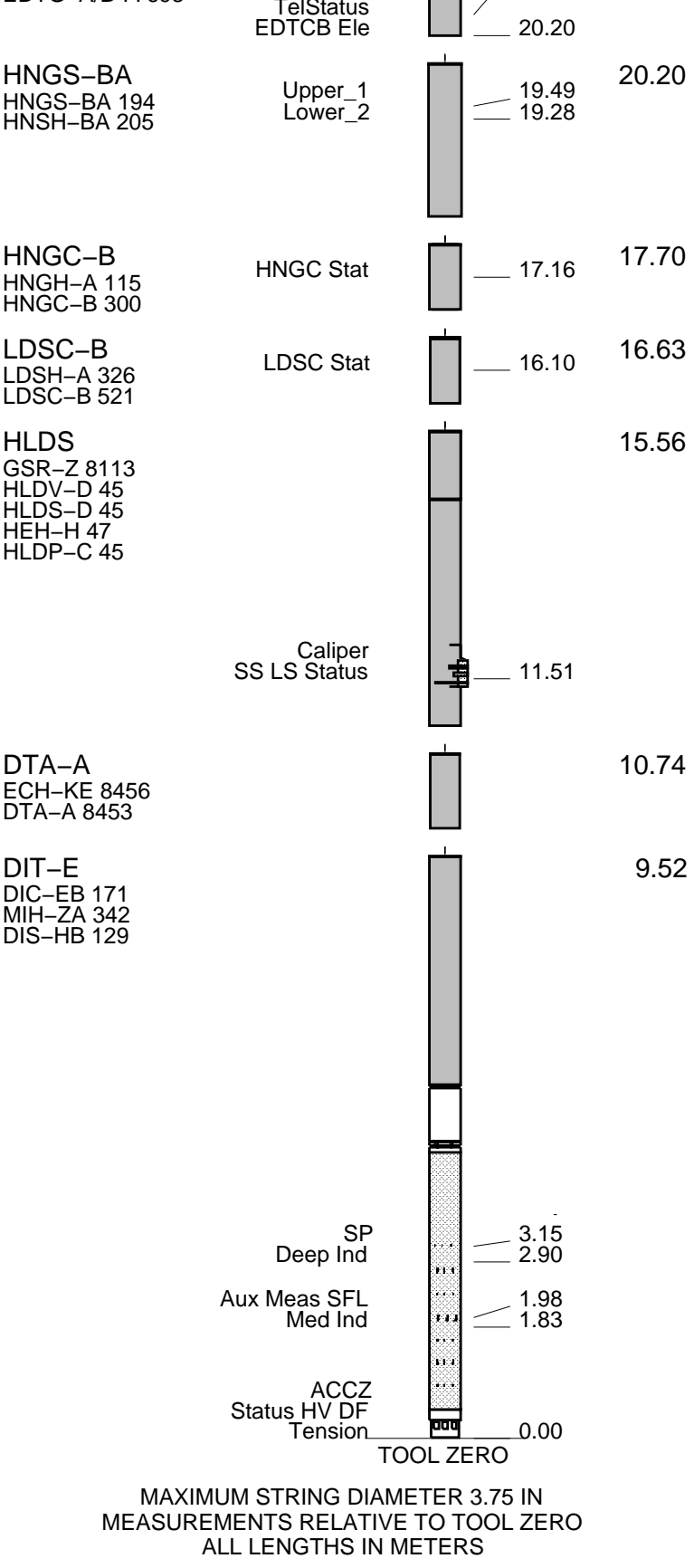
GSR-U 616008
 WITM (EDTS)-A

RUN 2

DOWNHOLE EQUIPMENT

LEH-MT LEH-MT 101		23.14
MDSB_EDTC Mud Tempe		22.18
EDTC-B		22.18
EDTH-B 8528		21.11
EDTC-B 8529		20.54
FDTG-A/B 77693		

CTEM
 Gamma Ray
 EFTB DIAG



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

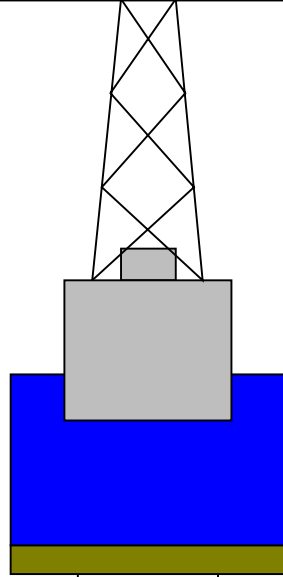
Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

-551

-551

-540



0

7.75

4.1

Sea Floor



0

8.25

3.80

Sea Floor

103

9.875

Open Hole

582.2

Total Depth

Input DLIS Files

DEFAULT	PI_LDL_NGS_014LUP	FN:22	PRODUCER	30-Nov-2012 18:21	736.1 M	533.2 M
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Output DLIS Files

DEFAULT	PI_LDL_NGS_055PUP	FN:83	PRODUCER	02-Dec-2012 22:42	185.9 M	-16.7 M
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OP System Version: 19C0-187

DIT-E	19C0-187	DTA-A	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
GCSE	LCAL BS	BS LCAL	174.7 22:42:58 114.8 22:43:29

PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	75

Main Uplog

Sea Floor Depth Reference

HNGS Borehole Potassium (HBHK)

Area1

HNGS Computed Gamma Ray (HCGR)
(GAPI)

0 75

HNGS Uranium (HURA)
(PPM)

-5 10

HLDS Caliper (LCAL)
(IN)

0 20

Tension
(TENS)
(LBF)

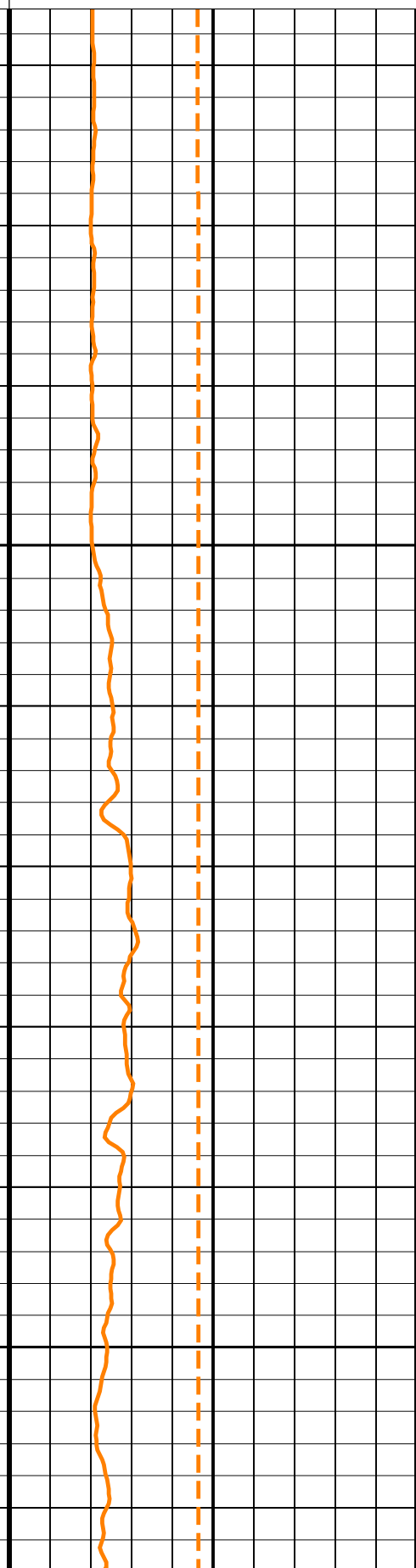
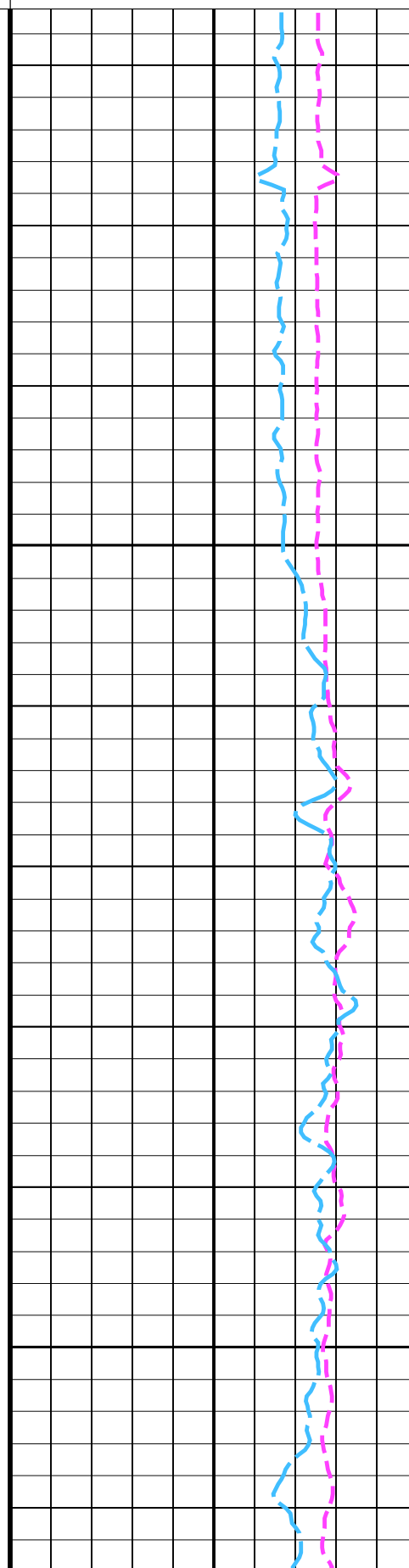
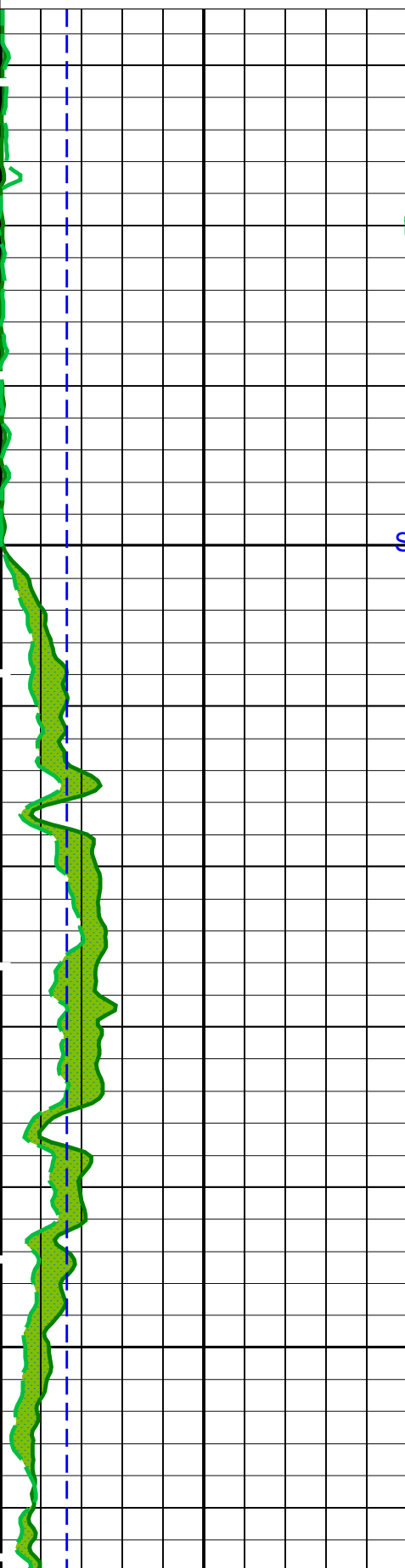
10000 0

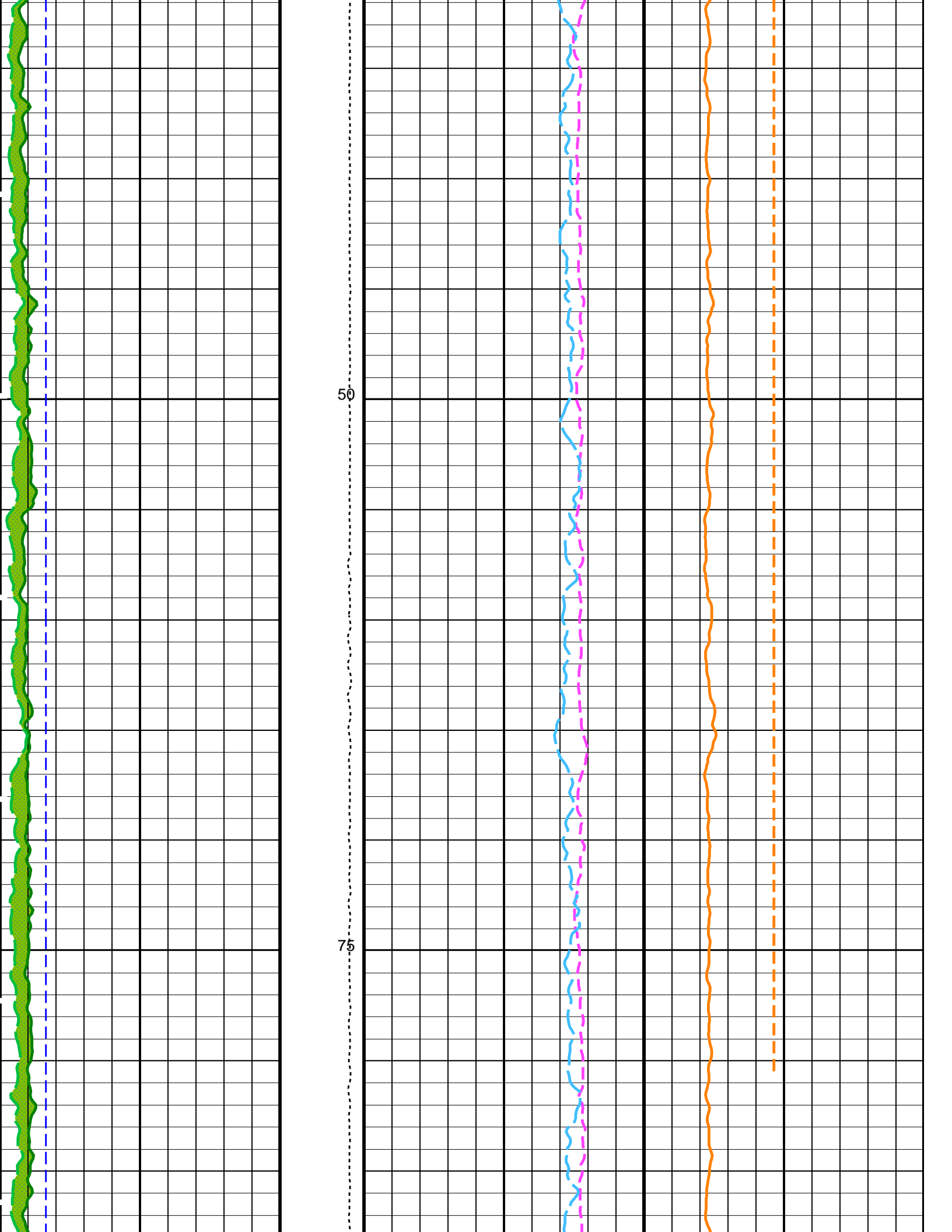
HNGS Thorium (HTHO)
(PPM)

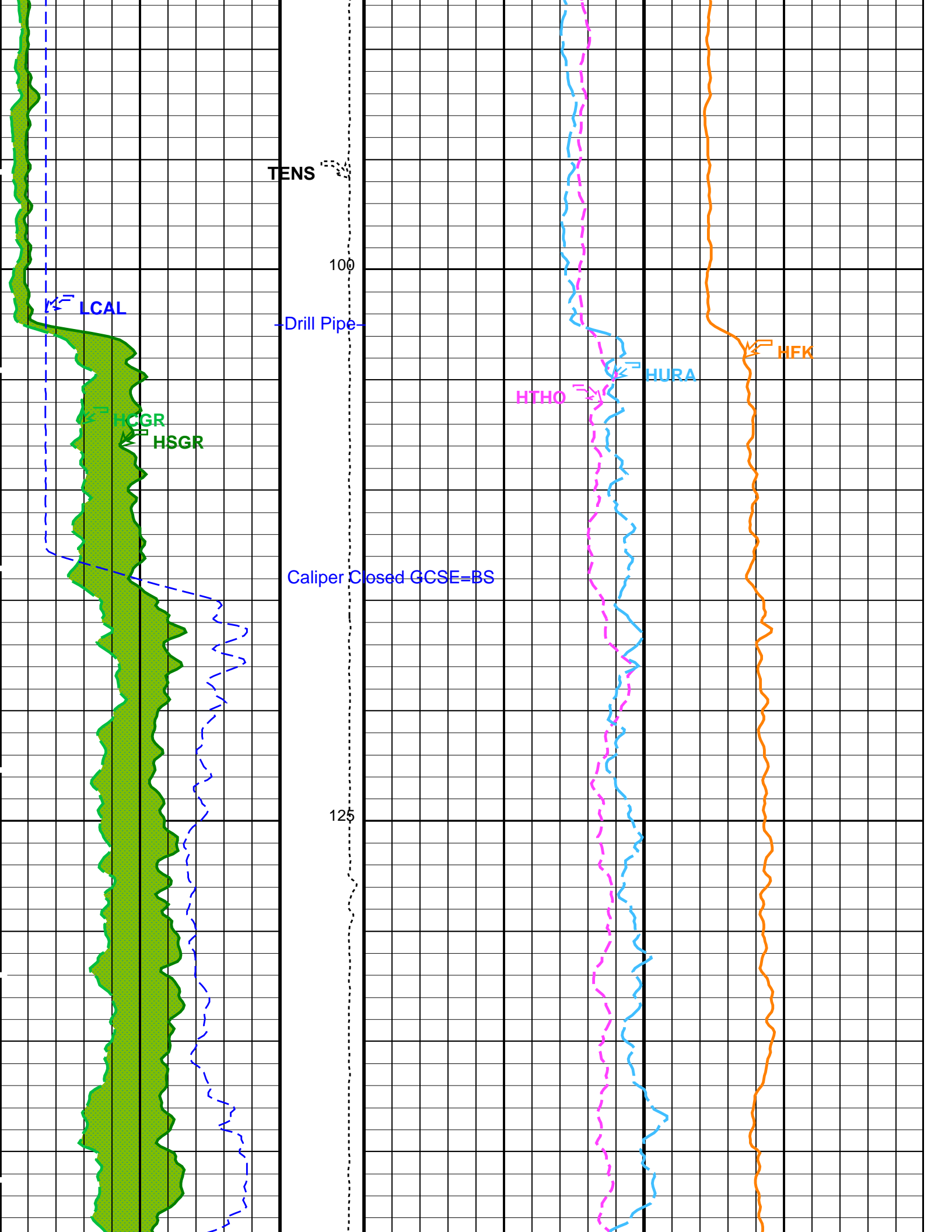
5 25

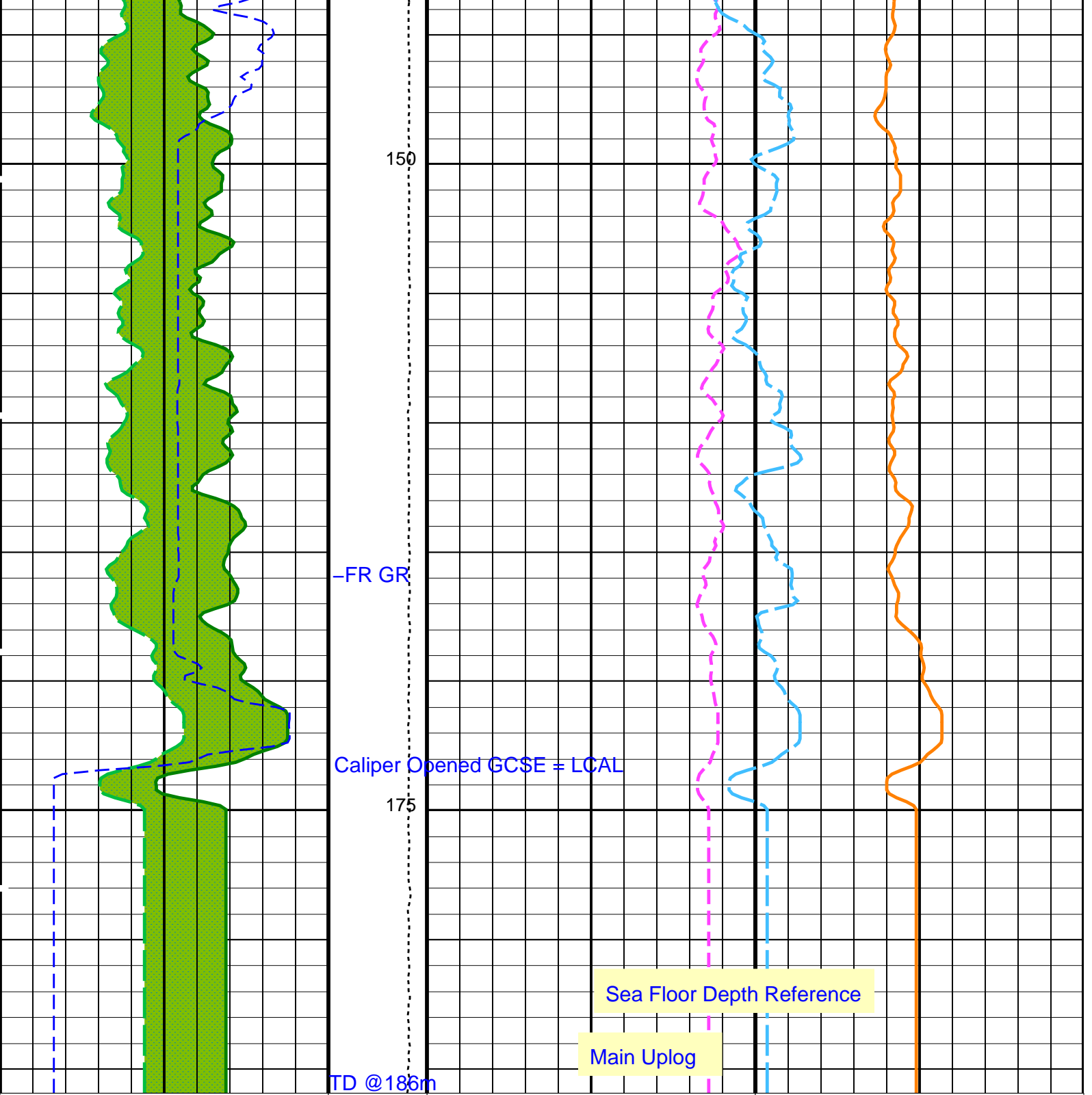
HNGS Potassium (HFK)
(-----)

-0.01 0.04









HLDS Caliper (LCAL) (IN)	0	20
HNGS Computed Gamma Ray (HCGR) (GAPI)	0	75
Area1 From HCGR to HSGR		
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	0	75

Tension (TENS) (LBF)	10000	0
HNGS Thorium (HTHO) (PPM)	5	25

HNGS Potassium (HFK)	-0.01	0.04
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HNGS Uranium (HURA) (PPM)	-5	10
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HNGS Borehole Potassium (HBHK)	-0.05	0.05
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PIP SUMMARY

Parameters

DLIS Name	Description	Value	
DIT-E: Dual Induction - E			
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	-0.00453673	
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	0.995422	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00182	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	-550.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 02-Dec-2012 22:42

OP System Version: 19C0-187

DIT-E	19C0-187	DTA-A	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	PI_LDL_NGS_014LUP	FN:22	PRODUCER	30-Nov-2012 18:21	736.1 M	533.2 M
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Output DLIS Files

DEFAULT	PI_LDL_NGS_055PUP	FN:83	PRODUCER	02-Dec-2012 22:42		
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Input DLIS Files

DEFAULT	Flip_PI_LDL_NGS_044LUP		PRODUCER	02-Dec-2012 21:17	737.6 M	0.0 M
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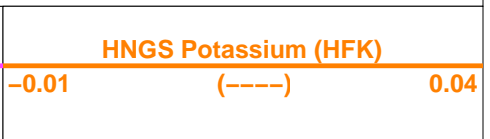
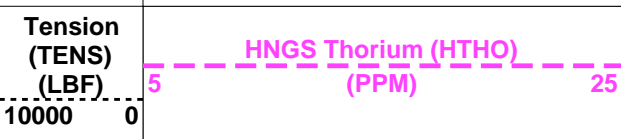
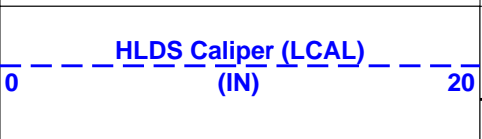
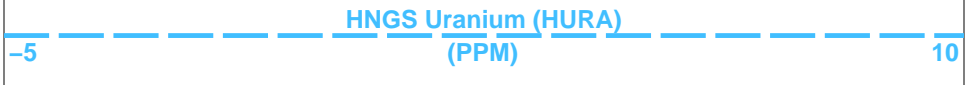
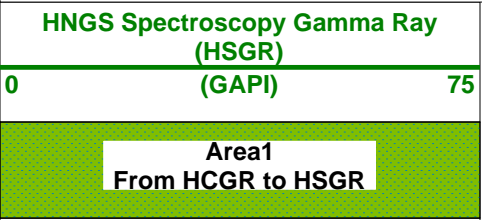
Output DLIS Files

DEFAULT	PI_LDL_NGS_050PUP	FN:78	PRODUCER	02-Dec-2012 22:18	187.6 M	-38.7 M
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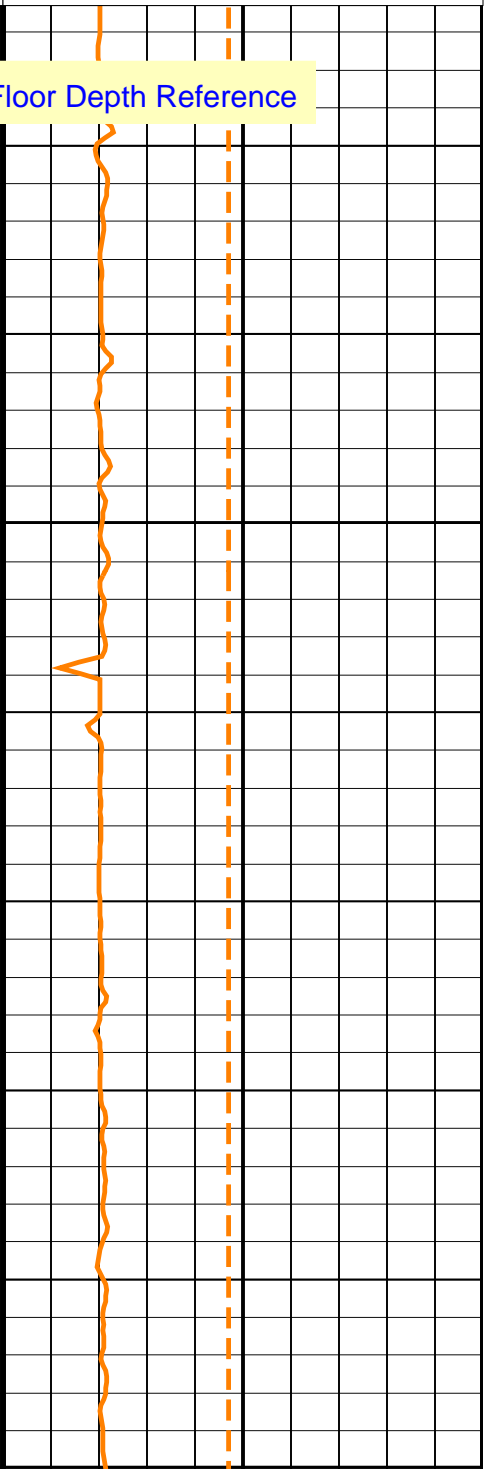
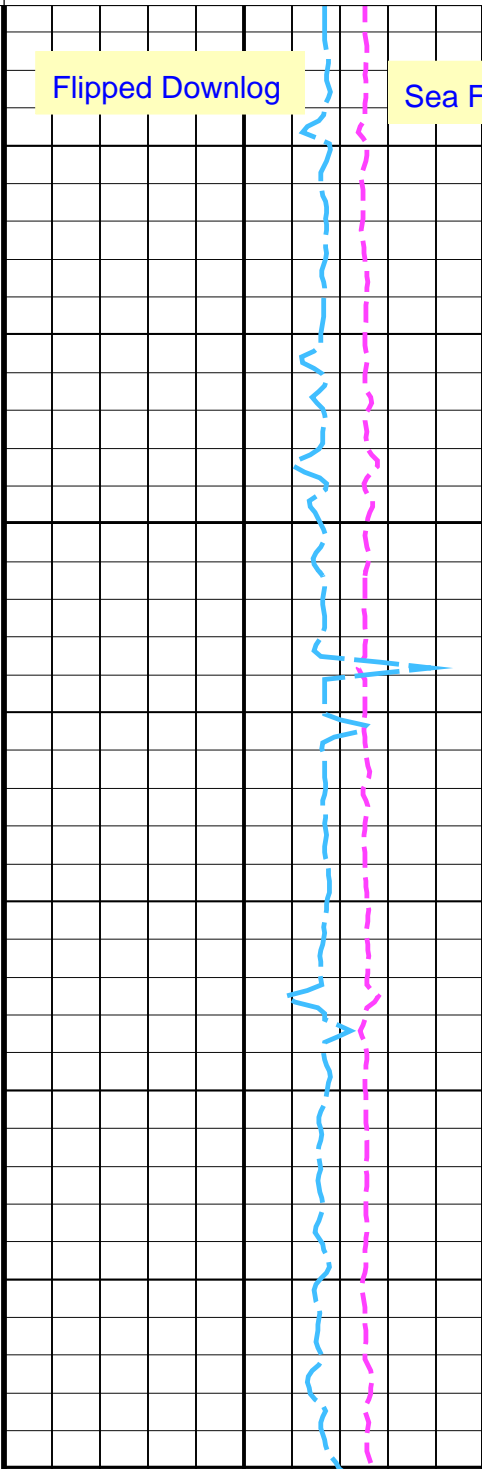
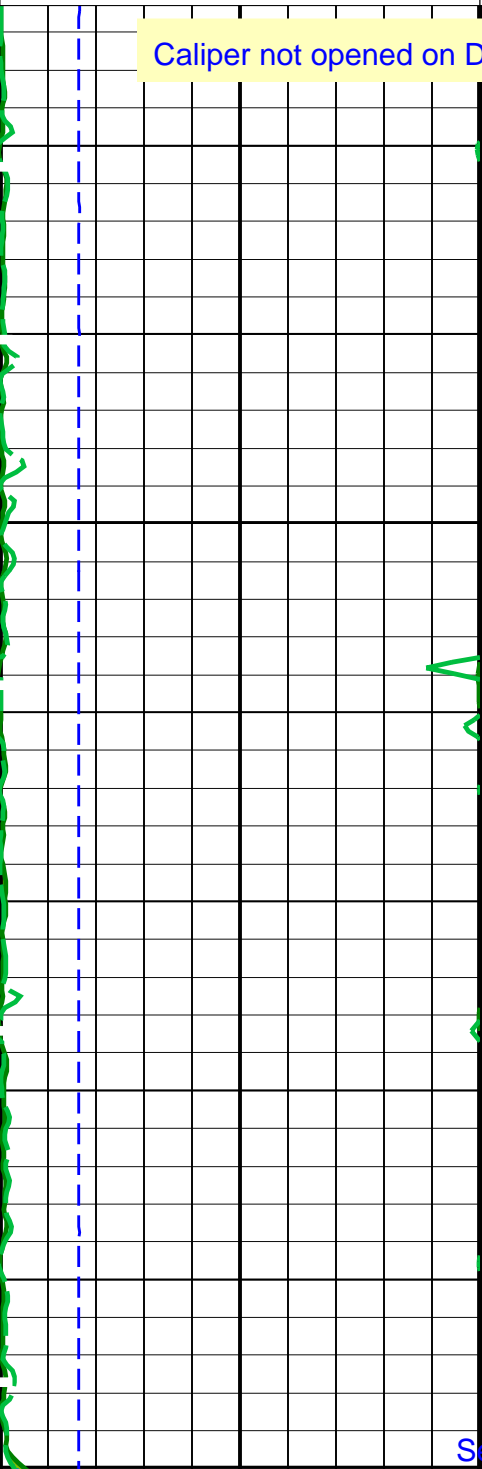
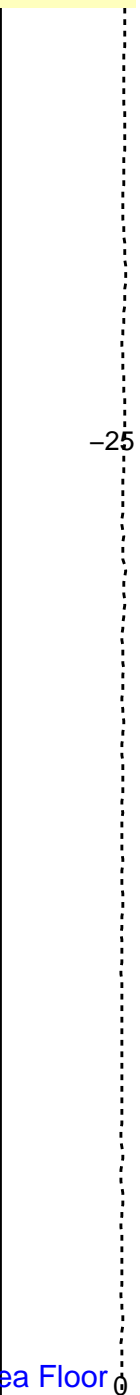
OP System Version: 19C0-187

DIT-E	19C0-187	DTA-A	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

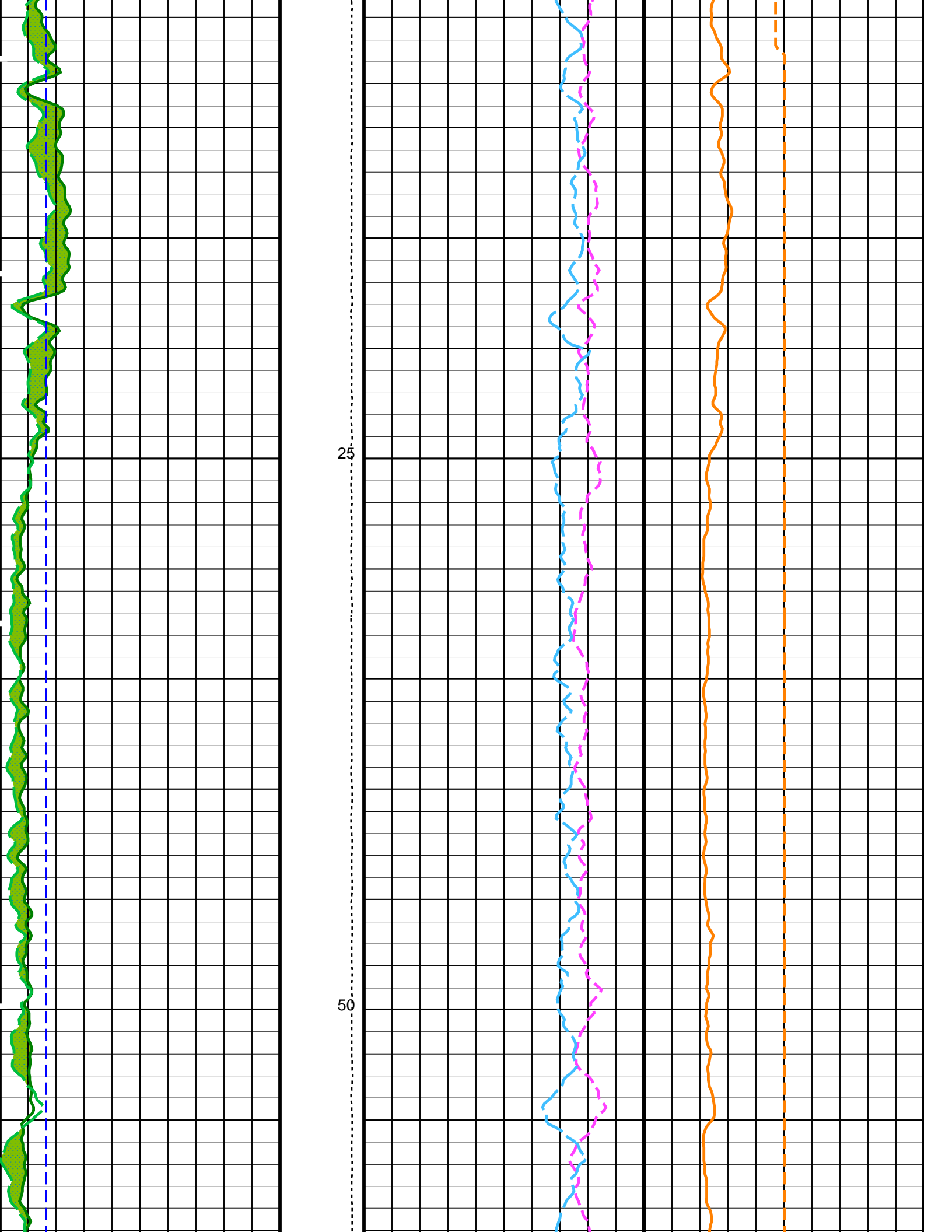
Time Mark Every 60 S

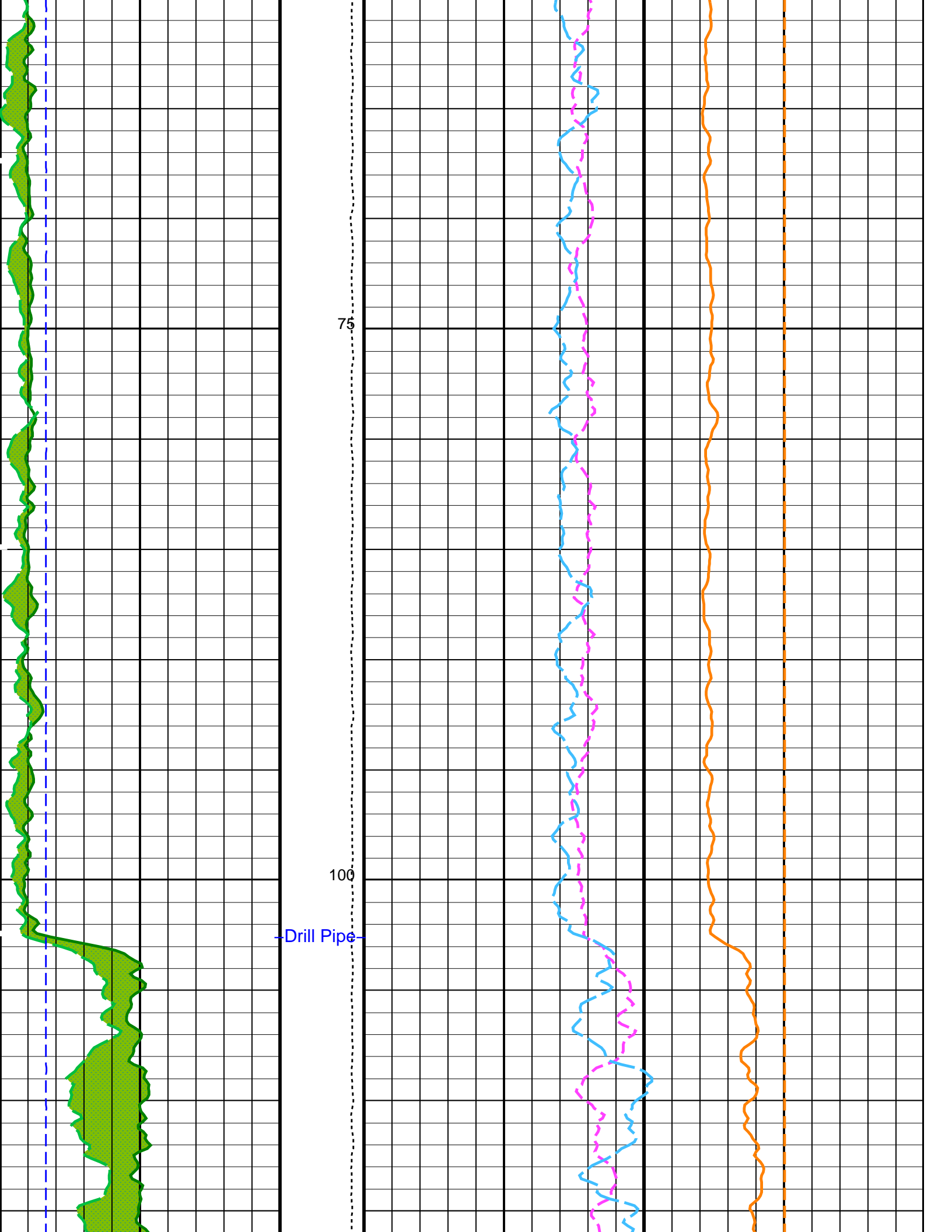


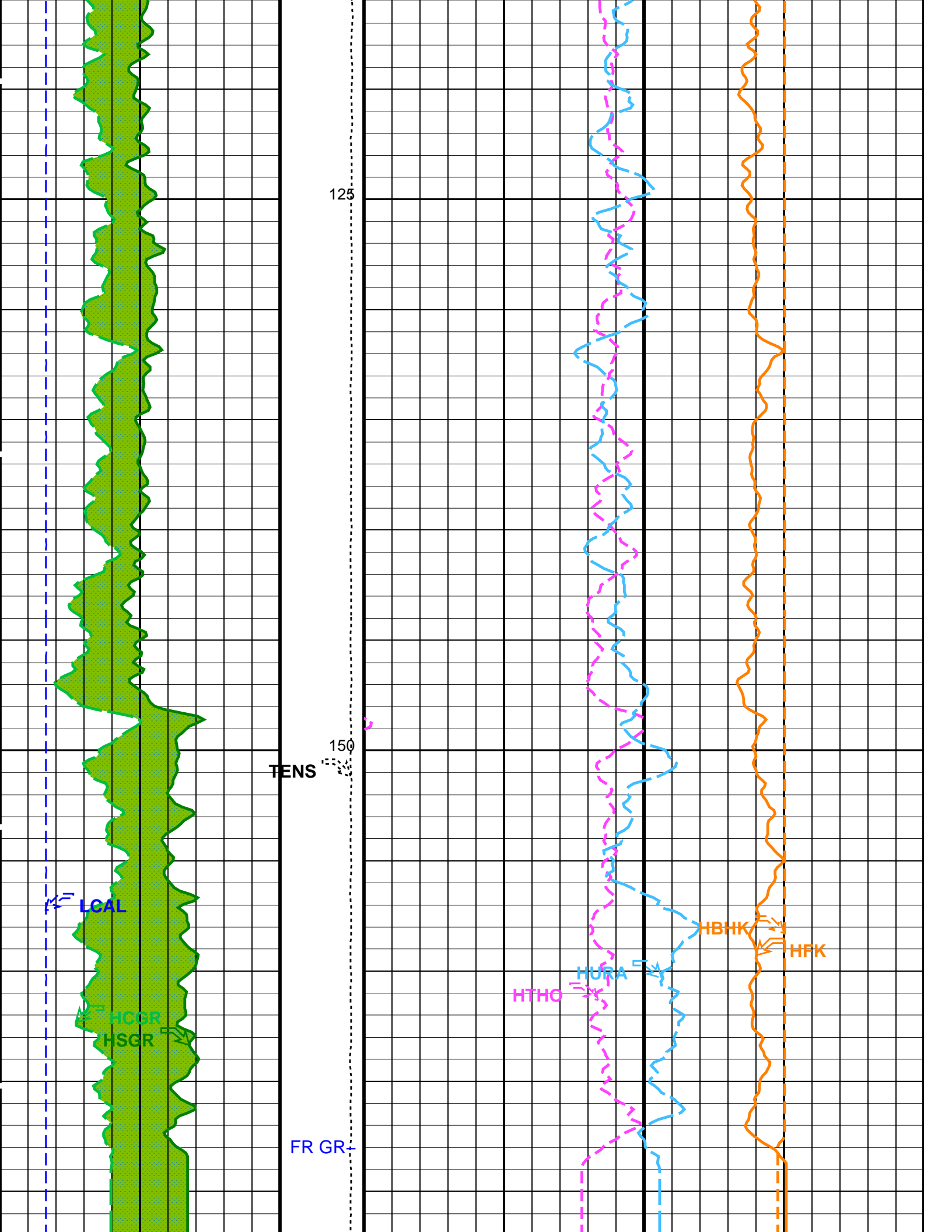
Tension
(TENS)
(LBF)

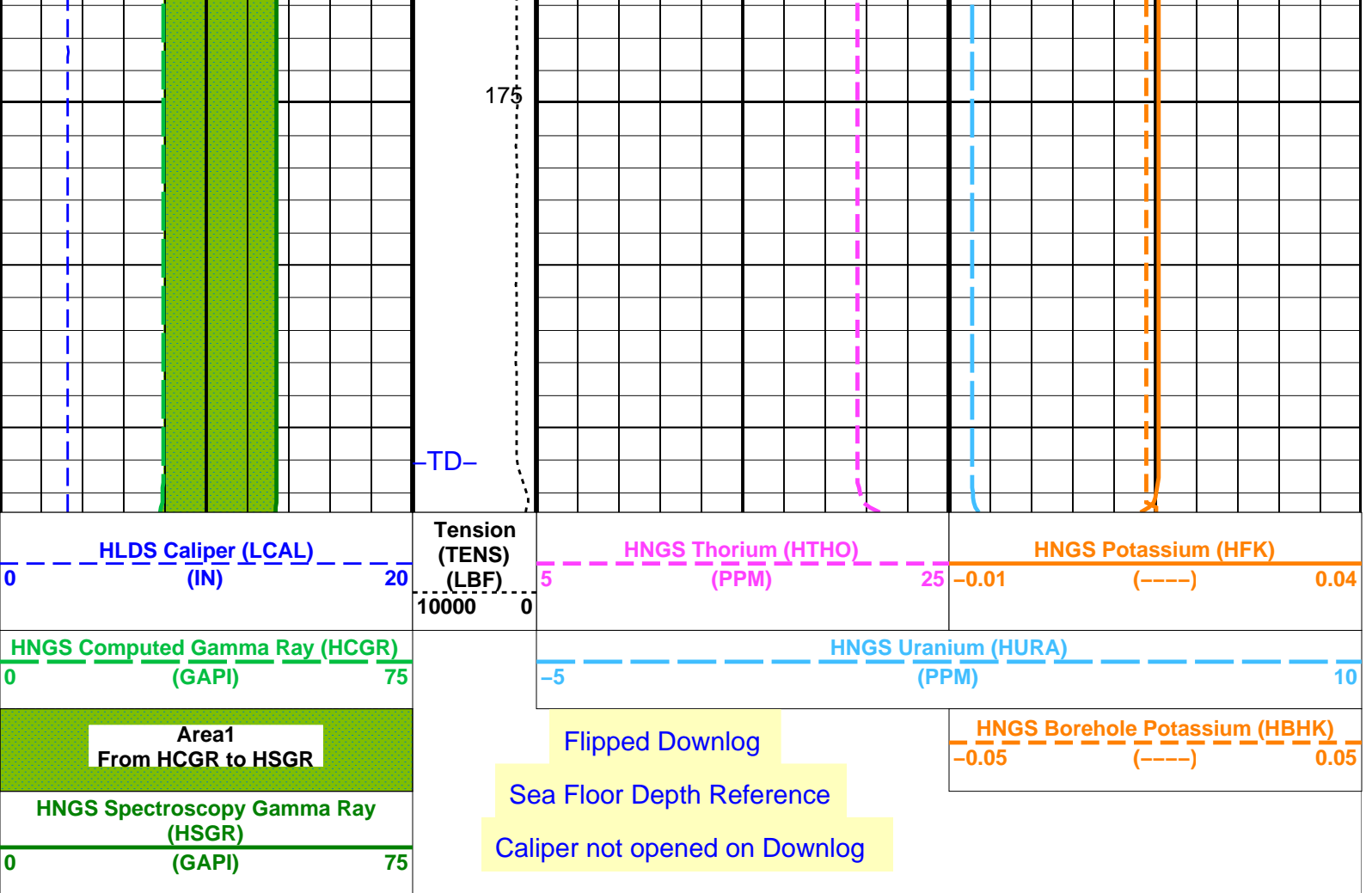


Sea Floor









PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
	DIT-E: Dual Induction - E	
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	-0.0127281
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	0.970015
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970767
	EDTC-B: Enhanced DTS Cartridge	
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
	System and Miscellaneous	
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.26 G/C3
DO	Depth Offset for Playback	-550.0 M

OP System Version: 19C0-187

DIT-E	19C0-187	DTA-A	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	Flip_PI_LDL_NGS_044LUP	PRODUCER	02-Dec-2012 21:17	737.6 M	0.0 M
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Output DLIS Files

DEFAULT	PI_LDL_NGS_050PUP	FN:78	PRODUCER	02-Dec-2012 22:18
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Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Hostile Litho-Density Sonde Wellsite Calibration – Background Measurement							
Master: 18-Oct-2012 9:47 Before: 27-Oct-2012 16:26 After: 18-Oct-2012 10:30							
SS Cs Resolution Bkg	9.000	7.989	7.988	8.069	0.08123	1.800	%
LS Cs Resolution Bkg	9.000	8.149	8.231	8.240	0.008757	1.800	%
LSW1 Background	100.0	71.12	70.95	71.16	0.2046	0.03000	CPS
LSW2 Background	100.0	67.19	66.52	66.49	-0.03268	0.03000	CPS
LSW3 Background	200.0	146.1	144.2	144.8	0.6348	0.03000	CPS
LSW4 Background	250.0	178.6	176.9	177.6	0.7082	0.03000	CPS
LSW5 Background	600.0	409.2	408.6	410.0	1.370	0.03000	CPS
SSW1 Background	100.0	81.40	80.30	80.91	0.6032	0.03000	CPS
SSW2 Background	200.0	144.4	145.3	143.2	-2.048	0.03000	CPS
SSW3 Background	500.0	388.1	387.8	388.2	0.4057	0.03000	CPS
SSW4 Background	270.0	201.3	200.7	201.5	0.7992	0.03000	CPS
SSW5 Background	200.0	147.1	146.8	145.8	-0.9187	0.03000	CPS
Hostile Litho-Density Sonde Wellsite Calibration – Aluminum Measurement							
Master: 18-Oct-2012 9:47							
LSW1 Aluminum	600.0	541.2	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	769.3	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	930.7	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	464.7	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	428.9	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	2521	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	6786	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	9415	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	3843	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	470.9	N/A	N/A	N/A	N/A	CPS
Hostile Litho-Density Sonde Wellsite Calibration – Lithology Measurement							
Master: 18-Oct-2012 9:47							
LSW1 Iron	400.0	367.1	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	618.3	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	821.5	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	426.0	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	392.9	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1839	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	5668	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	8569	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	3498	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	417.3	N/A	N/A	N/A	N/A	CPS
Hostile Litho-Density Sonde Wellsite Calibration – Caliper Calibration							
Before: 18-Oct-2012 10:19							
HLDS Caliper Small Ring	12.00	N/A	15.58	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.19	N/A	19.52	N/A	N/A	N/A	IN
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: 15-Oct-2012 4:07 Before: 27-Oct-2012 17:27							
Na 511 Peak Loc	40.00	39.46	39.68	N/A	N/A	1.000	
Na 511 Peak Res	15.50	15.52	15.36	N/A	N/A	2.000	%
High Voltage	1150	1159	1180	N/A	N/A	N/A	V

High Voltage	142.6	141.4	142.1	N/A	N/A	7.000	%
Na 1785 Peak Loc	142.6	141.4	142.1	N/A	N/A	7.000	%
Na 1785 Peak Res	8.500	8.629	9.065	N/A	N/A	2.000	%
Temperature	15.50	22.62	32.56	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	17.26	16.53	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: 15–Oct–2012 4:07 Before: 27–Oct–2012 17:27							
Na 511 Peak Loc	40.00	39.42	39.73	N/A	N/A	1.000	
Na 511 Peak Res	15.50	15.34	15.56	N/A	N/A	2.000	%
High Voltage	1150	1092	1114	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	141.6	142.6	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.553	8.724	N/A	N/A	2.000	%
Temperature	15.50	22.74	33.00	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	16.99	17.34	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 15–Oct–2012 4:07 Before: 27–Oct–2012 17:27							
Coincidence Count Rate Ratio	1.000	1.017	0.9512	N/A	N/A	0.05000	
Hostile Natural Gamma Ray Sonde Master Calibration – Detector 1 Calibration							
Master: 15–Oct–2012 4:07							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	210.7	--	--	--	--	
Th Peak Res	7.000	6.661	--	--	--	--	%
Background Count Rate	142.5	21.23	--	--	--	--	CPS
Gain Ratio	1.000	1.016	--	--	--	--	
Hostile Natural Gamma Ray Sonde Master Calibration – Detector 2 Calibration							
Master: 15–Oct–2012 4:07							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	207.9	--	--	--	--	
Th Peak Res	7.000	6.668	--	--	--	--	%
Background Count Rate	142.5	21.12	--	--	--	--	CPS
Gain Ratio	1.000	1.003	--	--	--	--	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 30–Nov–2012 16:38							
EDTC Z–Axis Acceleration	9.810	N/A	9.788	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: Calibration out of date 15–Oct–2012 3:09							
Gamma Ray (Jig – Bkg)	160.6	N/A	160.6	N/A	N/A	14.60	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

Dual Induction – E / Equipment Identification

Primary Equipment:

Dual Induction Sonde	DIS – HB	129
Dual Induction Cartridge	DIC – EB	171

Auxiliary Equipment:

Mass Isolated Housing	MIH – ZA	342
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Hostile Litho–Density Sonde / Equipment Identification

Primary Equipment:

Hostile Litho Density Sonde	HLDS – D	45
Hostile Litho Density High Voltage	HLDV – D	45
Gamma Source Radioactive	GSR – Z	8113

Auxiliary Equipment:

Hostile Litho Density Pad	HLDP – C	45
Hostile Litho Density High Voltage Housi	HEH – H	47

Litho–Density Spectroscopy Cartridge – B / Equipment Identification

Primary Equipment:

LDSC Cartridge	LDSC – B	521
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Auxiliary Equipment:

LDSC Housing	LDSH – A	326
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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 Gamma Source Radioactive	HNSH – BA GSR – U	205 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		39.46	Master		15.52	Master		1159
Before		39.68	Before		15.36	Before		1180
	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		141.4	Master		8.629	Master		22.62
Before		142.1	Before		9.065	Before		32.56
	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		17.26						
Before		16.53						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 15-Oct-2012 4:07			Before: 27-Oct-2012 17:27					

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		39.42	Master		15.34	Master		1092
Before		39.73	Before		15.56	Before		1114
	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		8.553	Master		22.74
Before		142.6	Before		8.724	Before		33.00
	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		16.99						
Before		17.34						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 15-Oct-2012 4:07			Before: 27-Oct-2012 17:27					

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value
Master		1.017

Before	MASTER-BEFORE LIMIT		0.9512
	0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: 15-Oct-2012 4:07			
Before: 27-Oct-2012 17:27			

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			210.7	Master			6.661
	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			21.23	Master			1.016				
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)		0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)				
Master: 15-Oct-2012 4:07											

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			207.9	Master			6.668
	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			21.12	Master			1.003				
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)		0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)				
Master: 15-Oct-2012 4:07											

Enhanced DTS Cartridge / Equipment Identification		
Primary Equipment:		
EDTC Gamma Ray Detector	EDTG - A/B	77693
Enhanced DTS Cartridge	EDTC - B	8529
Auxiliary Equipment:		
EDTC Housing	EDTH - B	8528

Enhanced DTS Cartridge Wellsite Calibration			
EDTC Accelerometer Calibration			
Phase	EDTC Z-Axis Acceleration M/S2	Value	
Before		9.788	
	9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)
Before: 30-Nov-2012 16:38			

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			6.096	Before			160.6	Before			165.0
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)		146.0 (Minimum)	160.6 (Nominal)	175.2 (Maximum)		150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)
Before: Calibration out of date 15-Oct-2012 3:09											

Well: **Expedition 344, Site U1413C**
Field: **Costa Rica Seismogenesis (CRISP-A2)**
Rig: **JOIDES Resolution**
Ocean: **Pacific**

Hostile Natural
Gamma Ray Sonde
Spectroscopy (HNGS)