

Rig: **JOIDES Resolution** Country: **USA**

LOCATION	Latitude: N 75° 42' 21.85"		Elev.:	K.B.	11.00 m
	Longitude: W 65° 43' 46.32"			G.L.	-603.00 m
				D.F.	11.00 m
	Permanent Datum: <u>Mean Sea Level</u>		Elev.:	<u>0.00 m</u>	
	Log Measured From: <u>Drill Floor</u>		11.00 m	above Perm. Datum	
	Drilling Measured From: <u>Drill Floor</u>				
	Ocean: Atlantic	Max. Well Deviation 0 deg	Longitude N 75° 42' 21.85"	Latitude W 65° 43' 46.32"	

Logging Date			20-Sep-2012					
Run Number			2					
Depth Driller			303.6 m					
Schlumberger Depth			258.5 m					
Bottom Log Interval			246.7 m					
Top Log Interval			0 m					
Casing Driller Size @ Depth			7.000 in @ 33 m			@		
Casing Schlumberger			31 m					
Bit Size			9.875 in					
Type Fluid In Hole			Seawater					
MUD	Density	Viscosity	1.05 g/cm3					
	Fluid Loss	PH						
	Source Of Sample		N/A					
	RM @ Measured Temperature		@			@		
RMF @ Measured Temperature		@			@			
RMC @ Measured Temperature		@			@			
Source RMF	RMC	N/A	N/A					
RM @ MRT	RMF @ MRT	@ 9	@ 9	@	@			
Maximum Recorded Temperatures			9 degC					
Circulation Stopped		Time	20-Sep-2012 14:00					
Logger On Bottom		Time	20-Sep-2012 17:20					
Unit Number	Location	625003 Houston						
Recorded By			C. Furman					
Witnessed By			G. Guerin, H. Evans					

[illegible]

[illegible]

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1

OS1:	HRLA
OS2:	HLDS
OS3:	DSI
OS4:	FMS
OS5:	MSS

REMARKS: RUN NUMBER 1

Site U0070A, client designation USC 070, was cored for exploration using the RCB system.

This site is subcontracted to Shell from LDEO, not a standard USIO/IODP site!

Tools were not able to reach TD due to hole obstruction; maximum depth was 258.5mbsf.

Tools run without centralization to reduce sticking risk during a period of icebergs potentially forcing a rapid pull-out.

FMS Caliper used for applicable hole size corrections on up log; bit sized used for downlog.

Tools conveyed to hole on wireline through drill pipe, as is standard for this riser-less operation.

Logs recorded from Drill Floor, but played back with zero reference at sea bed for compatibility with core data.

Original sea bed, as measured from drill floor, was 603.0m uncorrected measured depth below drill floor.

Heave compensation was not required due to exceptionally calm sea state and favorable weather during logging.




Maximum depth reached was approximately 252.3m due to hole obstruction; main logs recorded from there up to 47.7m.

Spectral gamma ray recorded from above sea floor down to maximum depth during down log.

Main logs terminated prior to pulling tool back into drill pipe in order to avoid sticking risk.

RUN 1 SERVICE ORDER #: PROGRAM VERSION: 19C0-187 FLUID LEVEL:			RUN 2 SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT	DESCRIPTION
1	Hand saw
2	Shovel
3	Axe
4	Pickaxe
5	Sledgehammer
6	Chisel
7	Mallet
8	Hammer
9	Nail
10	Wrench
11	Screwdriver
12	Drill
13	Saw blade
14	Shovel head
15	Axe head
16	Pickaxe head
17	Sledgehammer head
18	Chisel head
19	Mallet head
20	Hammer head
21	Nail box
22	Wrench handle
23	Screwdriver handle
24	Drill handle
25	Saw handle
26	Shovel handle
27	Axe handle
28	Pickaxe handle
29	Sledgehammer handle
30	Chisel handle
31	Mallet handle
32	Hammer handle
33	Nail bag
34	Tool belt
35	Work clothes
36	First aid kit
37	Water bottle
38	Food supply
39	Tent
40	Sleeping bag
41	Compass
42	Map
43	Flashlight
44	Battery
45	Rope
46	Cable tie
47	Duct tape
48	Zip ties
49	Wire cutters
50	Wire pliers
51	Wire nuts
52	Wire mesh
53	Wire fence
54	Wire gate
55	Wire post
56	Wire cap
57	Wire nut cover
58	Wire mesh roll
59	Wire fence roll
60	Wire gate roll
61	Wire post roll
62	Wire cap roll
63	Wire nut cover roll
64	Wire mesh roll
65	Wire fence roll
66	Wire gate roll
67	Wire post roll
68	Wire cap roll
69	Wire nut cover roll
70	Wire mesh roll
71	Wire fence roll
72	Wire gate roll
73	Wire post roll
74	Wire cap roll
75	Wire nut cover roll
76	Wire mesh roll
77	Wire fence roll
78	Wire gate roll
79	Wire post roll
80	Wire cap roll
81	Wire nut cover roll
82	Wire mesh roll
83	Wire fence roll
84	Wire gate roll
85	Wire post roll
86	Wire cap roll
87	Wire nut cover roll
88	Wire mesh roll
89	Wire fence roll
90	Wire gate roll
91	Wire post roll
92	Wire cap roll
93	Wire nut cover roll
94	Wire mesh roll
95	Wire fence roll
96	Wire gate roll
97	Wire post roll
98	Wire cap roll
99	Wire nut cover roll
100	Wire mesh roll

RUN 1		RUN 2	
SURFACE EQUIPMENT			
GSR-U 616008 WITM (EDTS)-A			
DOWNHOLE EQUIPMENT			
LEH-MT LEH-MT 101		15.41	
EDTC-B EDTC-B 101		14.45	
MDSB_EDTC Mud Tempe		14.45	

EDTH-B 8528
EDTC-B 8529
EDTG-A/B 77693

CTEM
Gamma Ray
EFTB DIAG
TelStatus
EDTCB Ele

13.38
12.81
12.47

HNGS-BA
HNGS-BA 194
HNSH-BA 205

Upper_1
Lower_2

11.77
11.56

12.47

HNGC-B
HNGH-A 115
HNGC-B 300

HNGC Stat

9.44

9.97

DTA-A
ECH-KE 8451
DTA-A 8259

8.90

MEST-B
MEAH-B 769
MEAC-A 875
MEPH-A 702
GPIC-A 719
MEPC-AB 807
MEDS-B 724

7.68

MEDR MEAC
MEPC MEDS-B
HV DF ACCZ
Tension GPIT

0.46
0.00

TOOL ZERO

MAXIMUM STRING DIAMETER 3.75 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: LDEO / Shell
Well: USC 70
Field: Baffin Bay
State:
Country: Greenland

Rig Name: JOIDES Resolution
Reference Datum: Sea Floor
Elevation: -603.0 m

Drawing Date: 9/23/2012
API #:

Production String	(in) (m)	Well Schematic	(m) (in)	Casing String
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	CD	ID	MD		MD	CD	ID	
Kelly Bushing Elevation			-603.0		0.0			Sea Floor
Derrick Floor Elevation			-603.0		33.0	5.500		Pipe Shoe
Mean Sea Level			-592.0		303.6	9.875		Total Depth – Driller



First Pass

MAXIS Field Log

Input DLIS Files

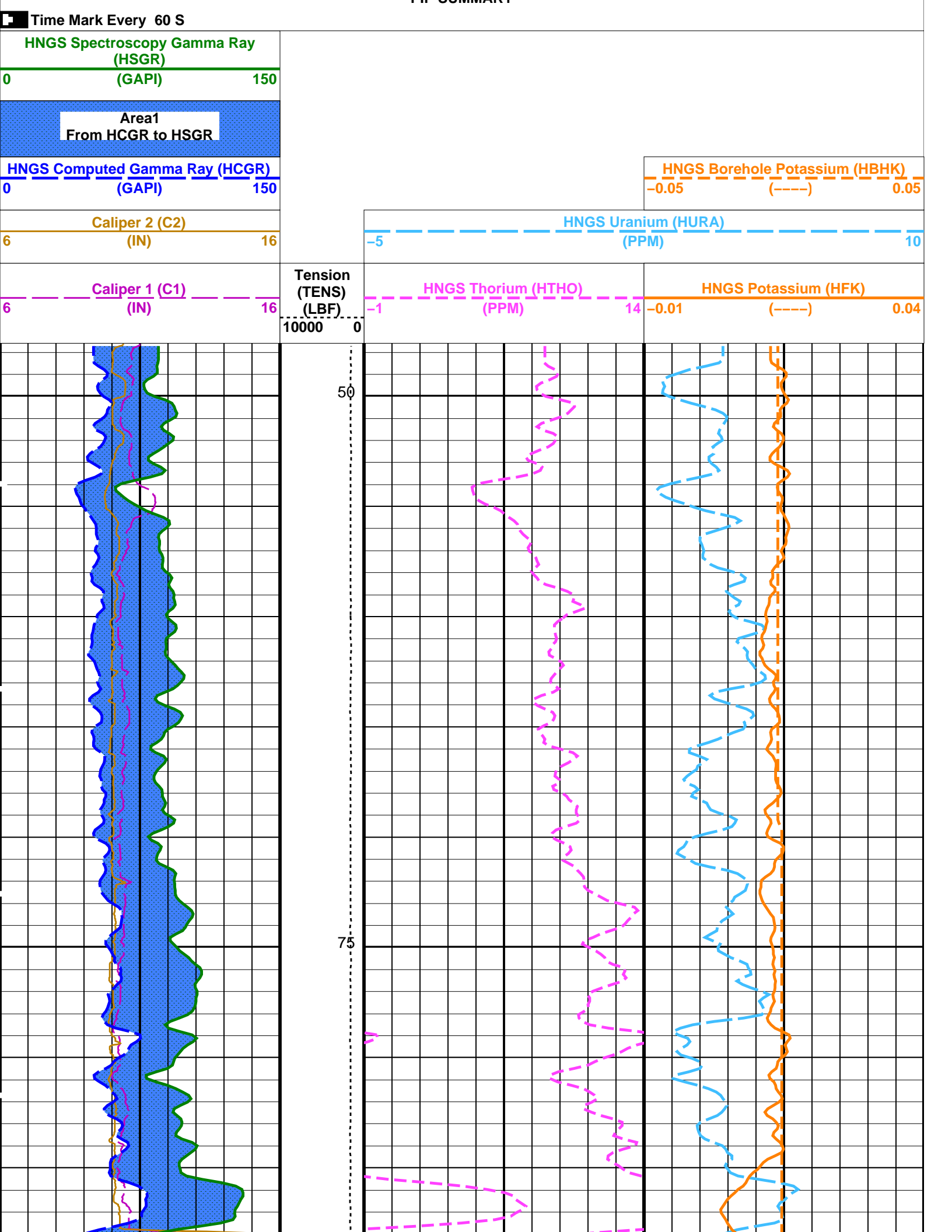
DEFAULT	FMS_NGS_019LUP	FN:24	PRODUCER	20-Sep-2012 23:43	857.3 M	650.0 M
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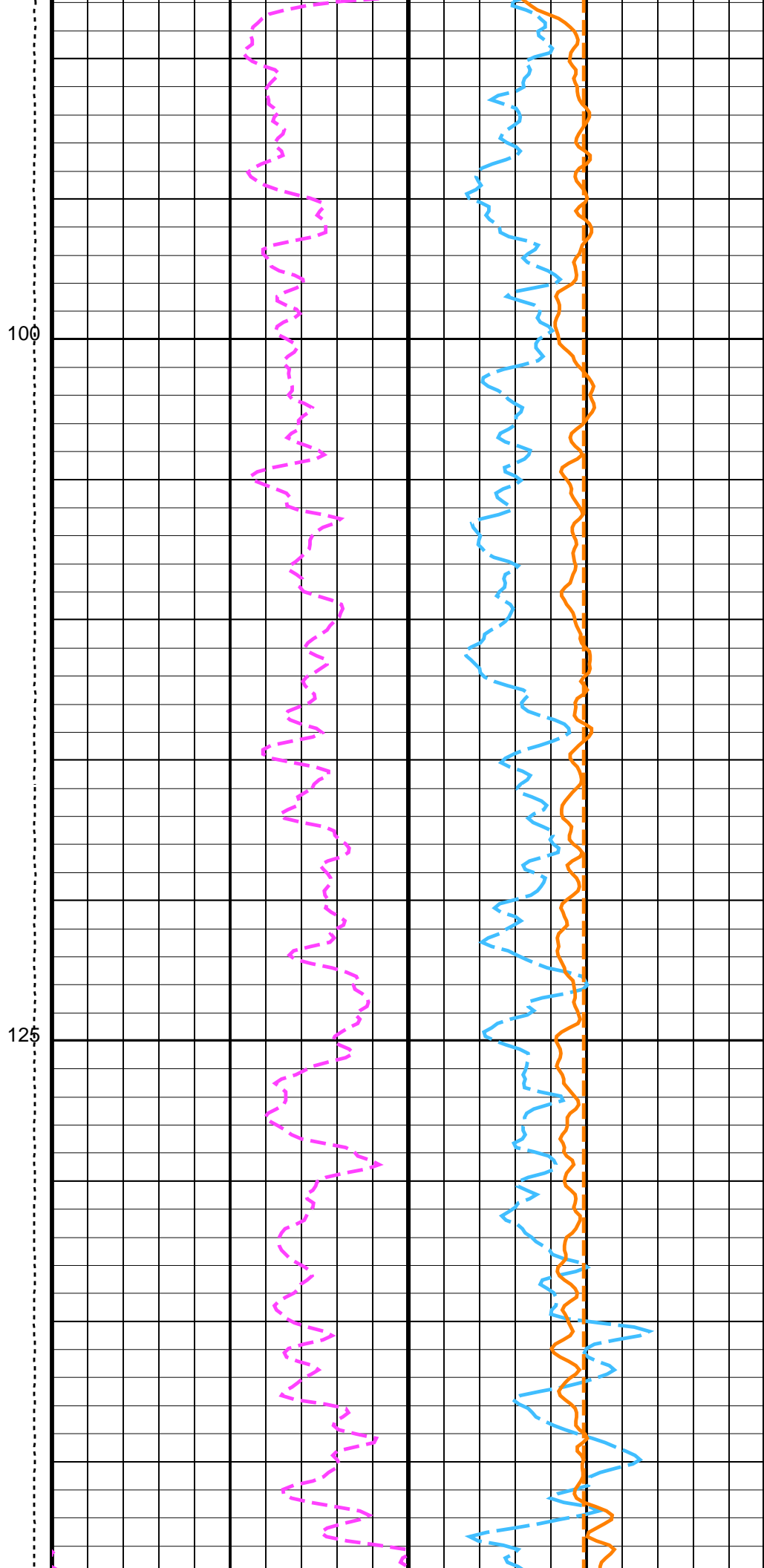
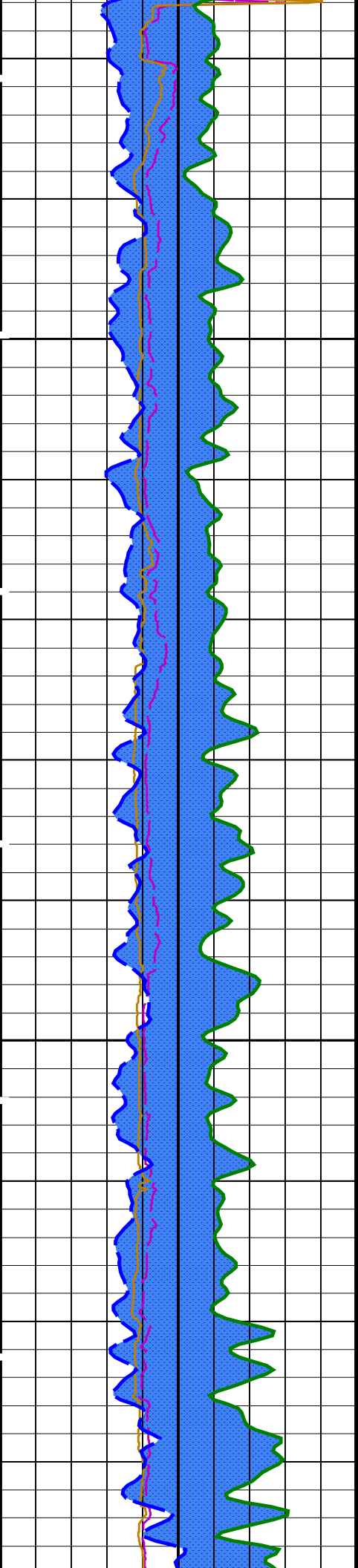
Output DLIS Files

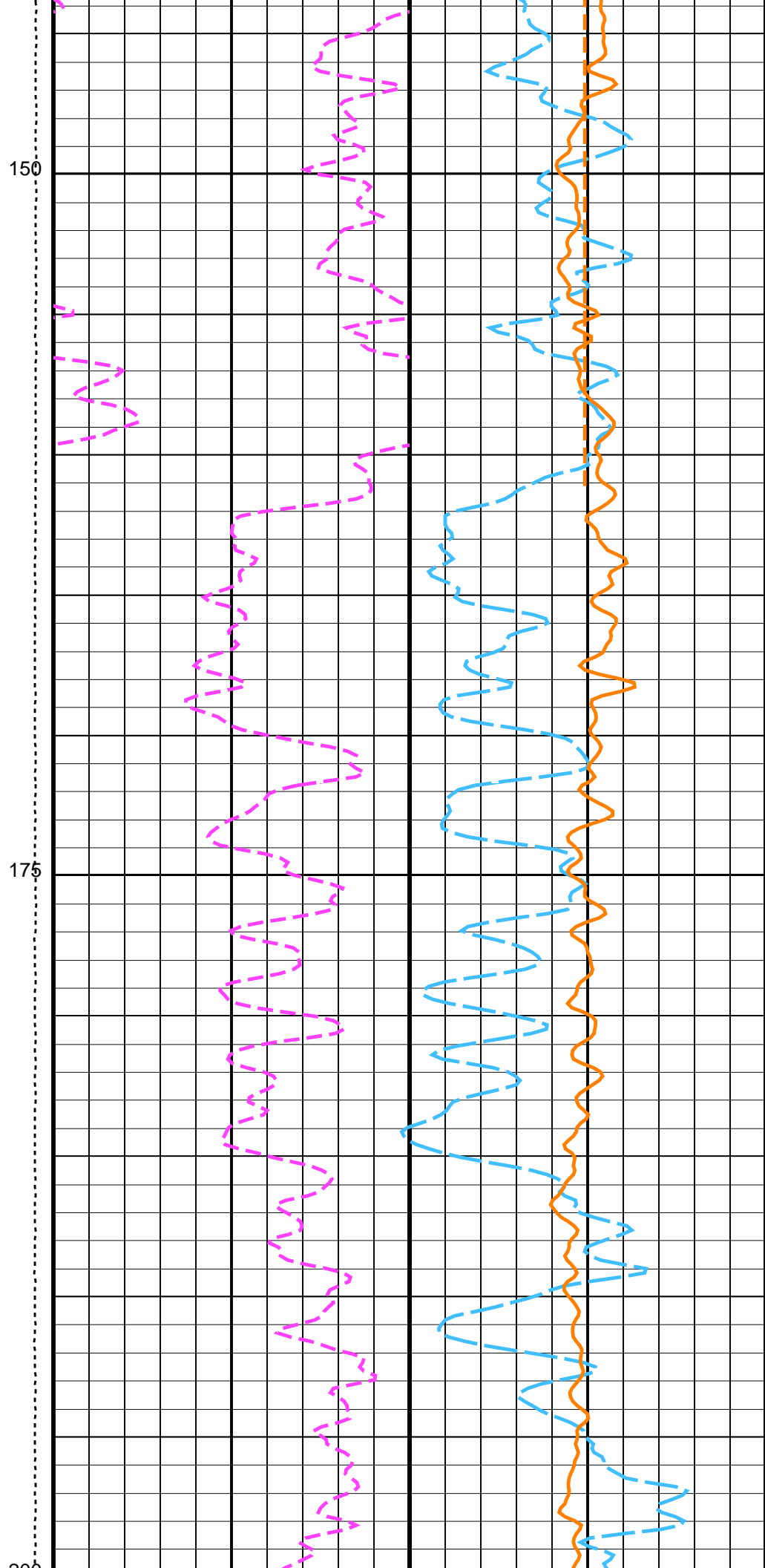
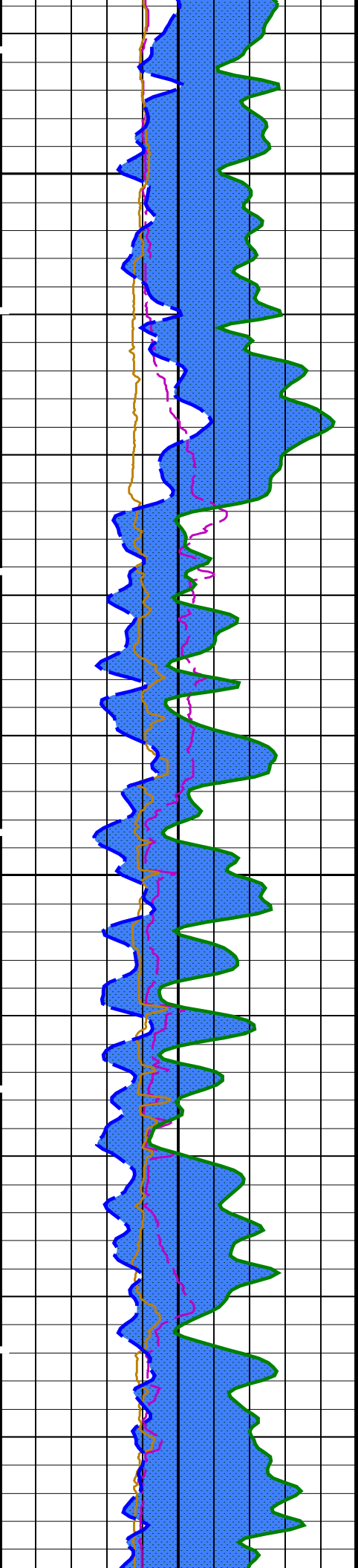
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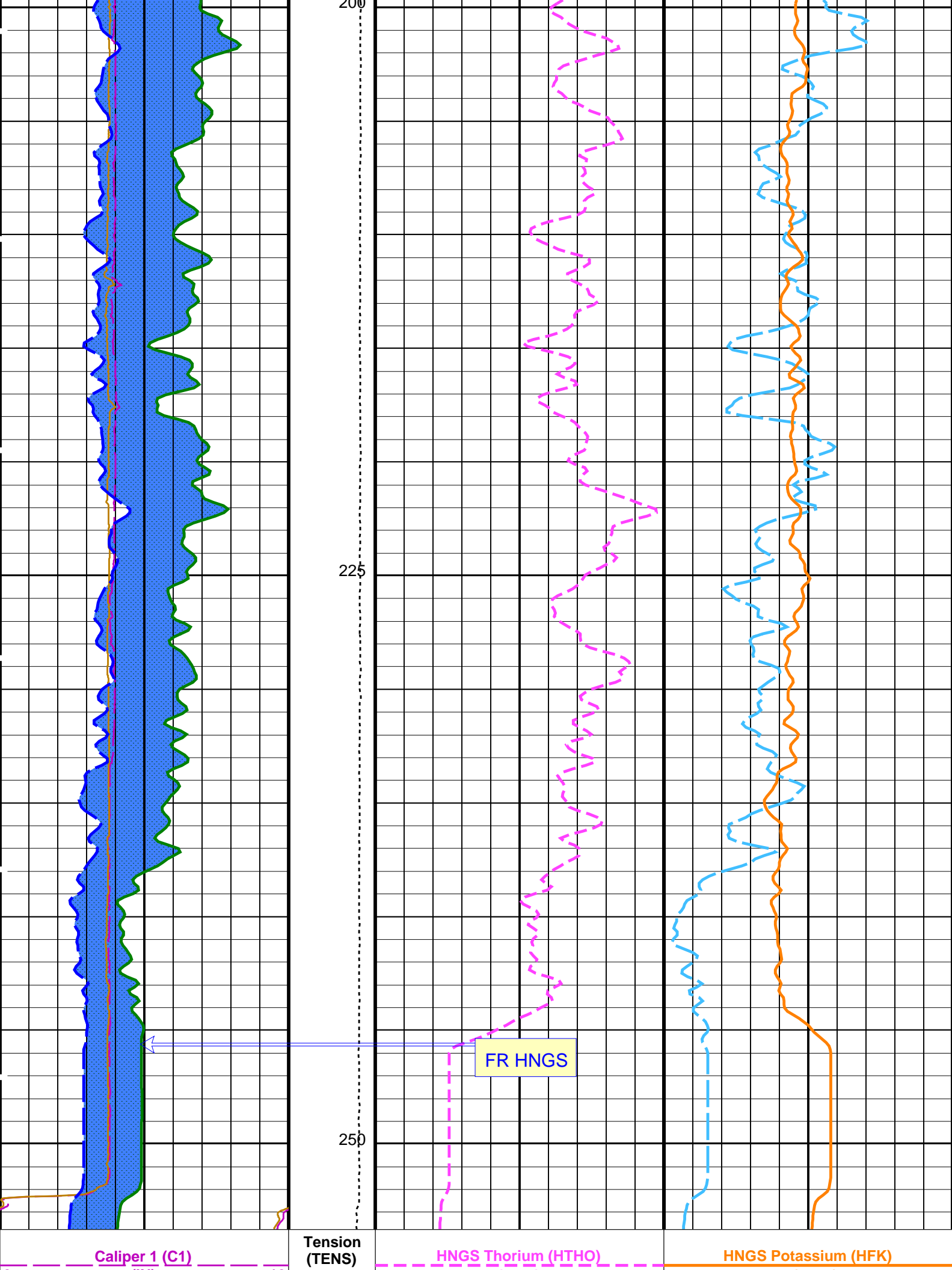
OP System Version: 19C0-187

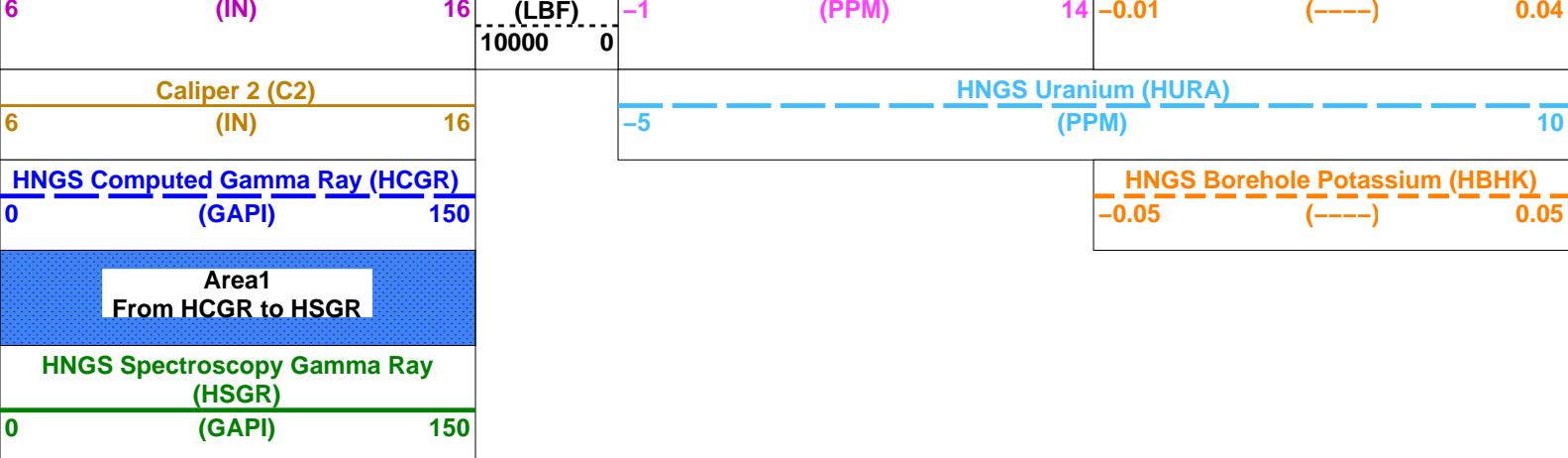
MEST-B	19C0-187	DTA-A	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		











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	C1
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.000497476
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	-999.25 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	-999.25 CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
TPOS	Tool Position	ECCE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.989065
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.998813
EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	C1
System and Miscellaneous		
BS	Bit Size	9.875 IN
DO	Depth Offset for Playback	-602.4 M
PP	Playback Processing	RECOMPUTE

Format: HNGSYields Vertical Scale: 1:200

Graphics File Created: 23-Sep-2012 04:30

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	FMS_NGS_019LUP	FN:24	PRODUCER	20-Sep-2012 23:43	857.3 M	650.0 M
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Output DLIS Files

DEFAULT	FMS_NGS_043PUP	FN:51	PRODUCER	23-Sep-2012 04:30
CLIENT	FMS_NGS_043PUC	FN:52	CUSTOMER	23-Sep-2012 04:30

MAXIS Field Log

Input DLIS Files

DEFAULT	FMS_NGS_020LUP	FN:26	PRODUCER	21-Sep-2012 00:22	855.0 M	650.0 M
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Output DLIS Files

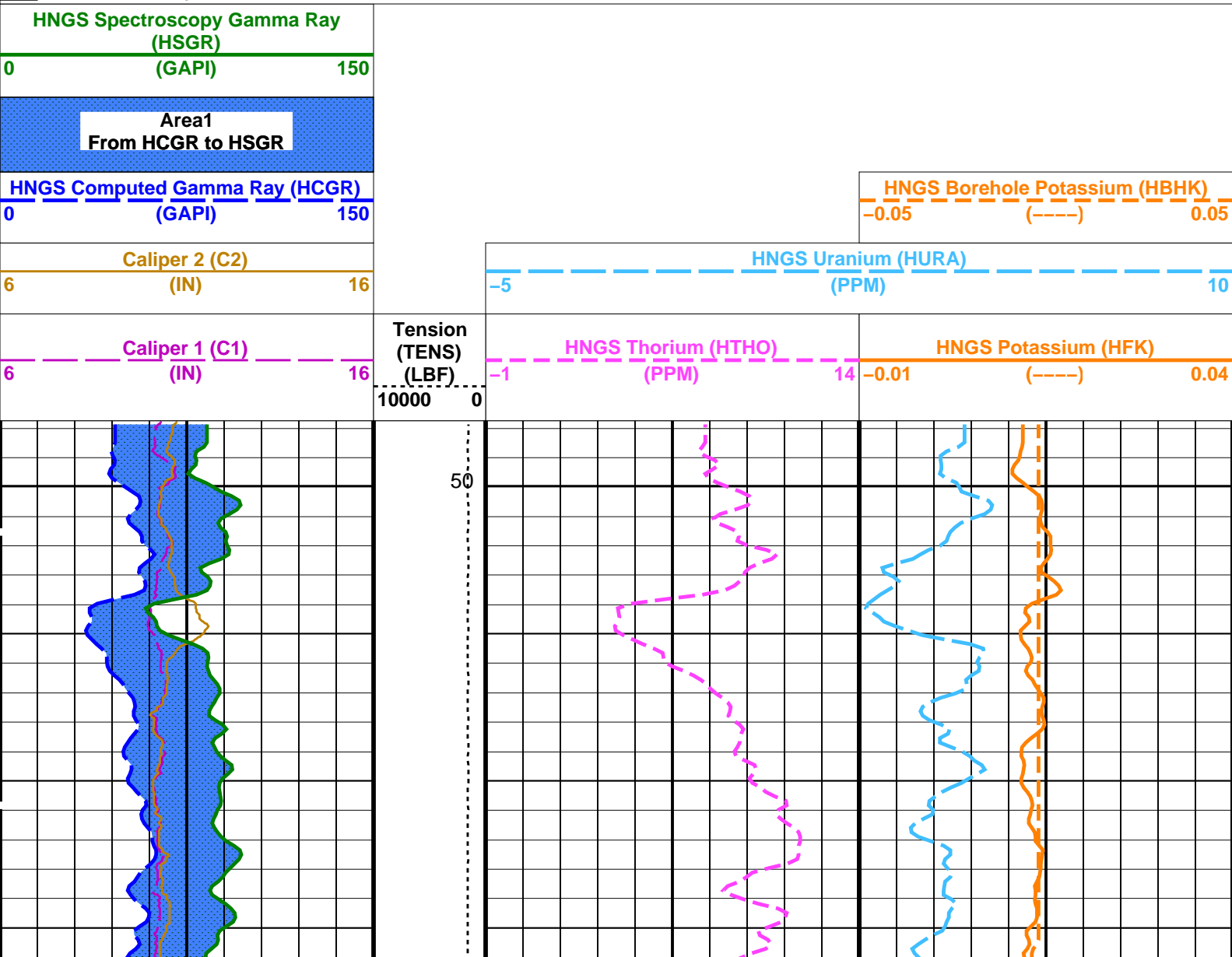
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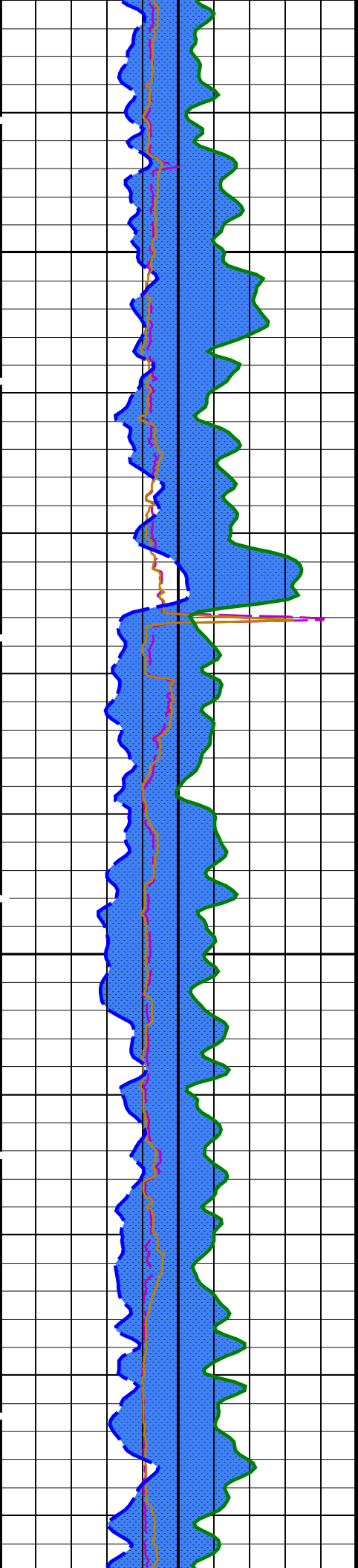
OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

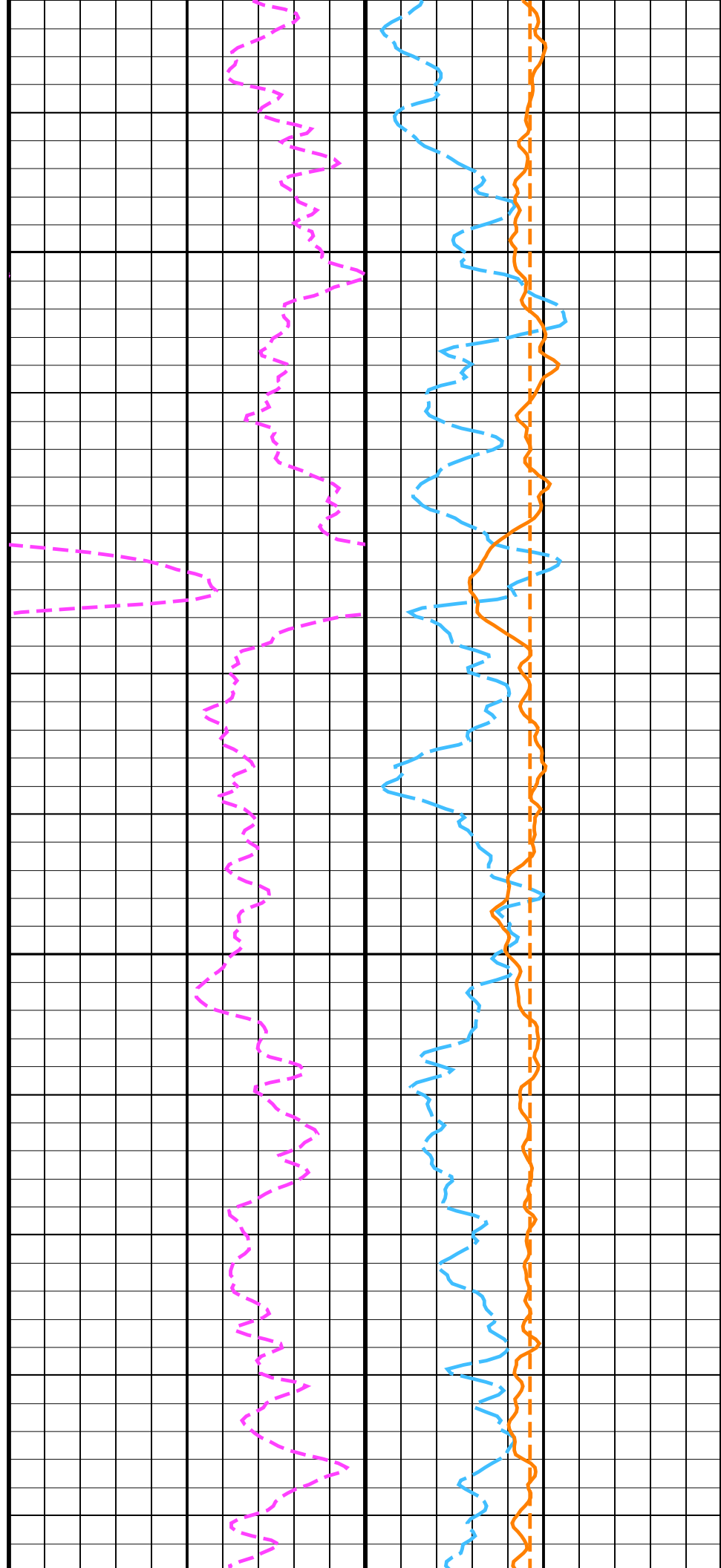
Time Mark Every 60 S

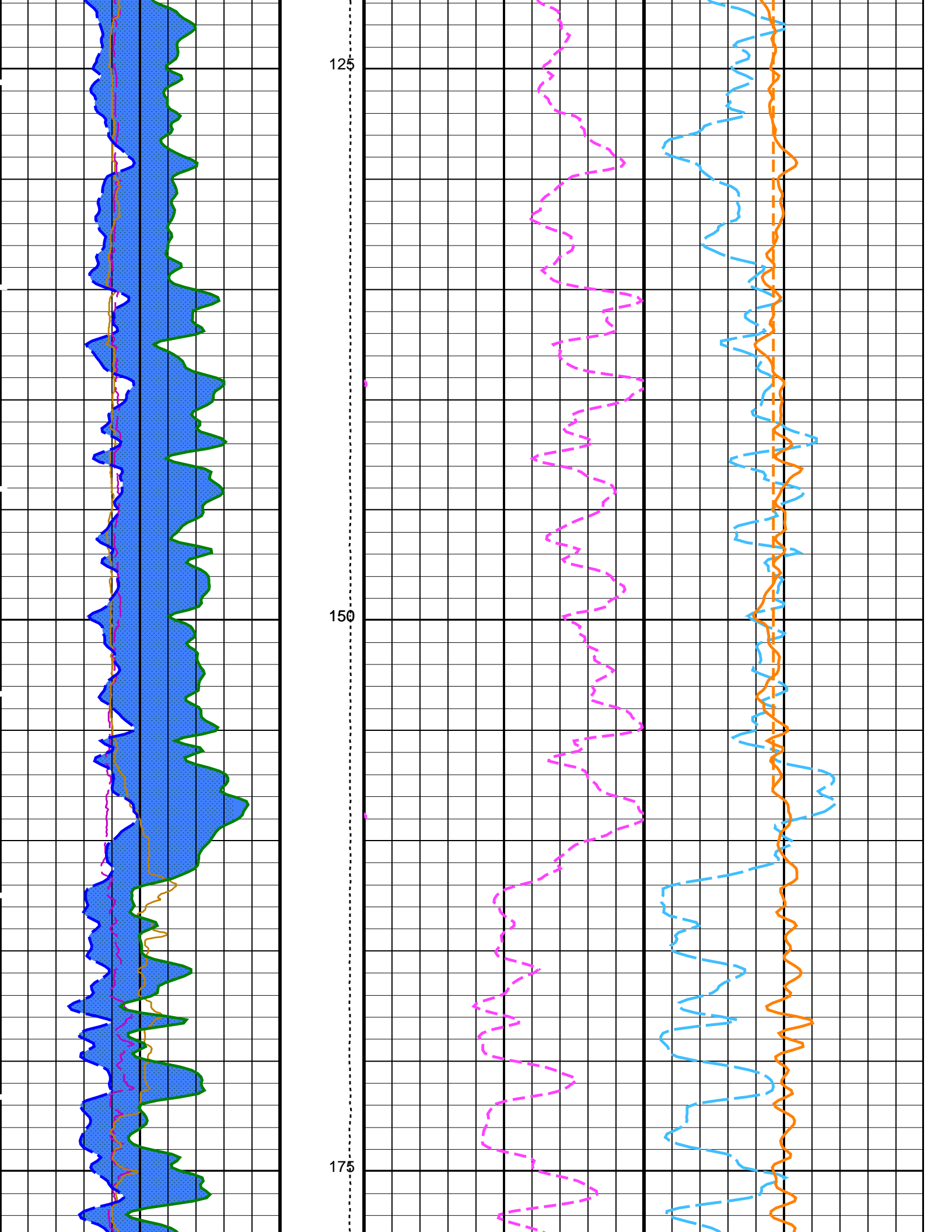


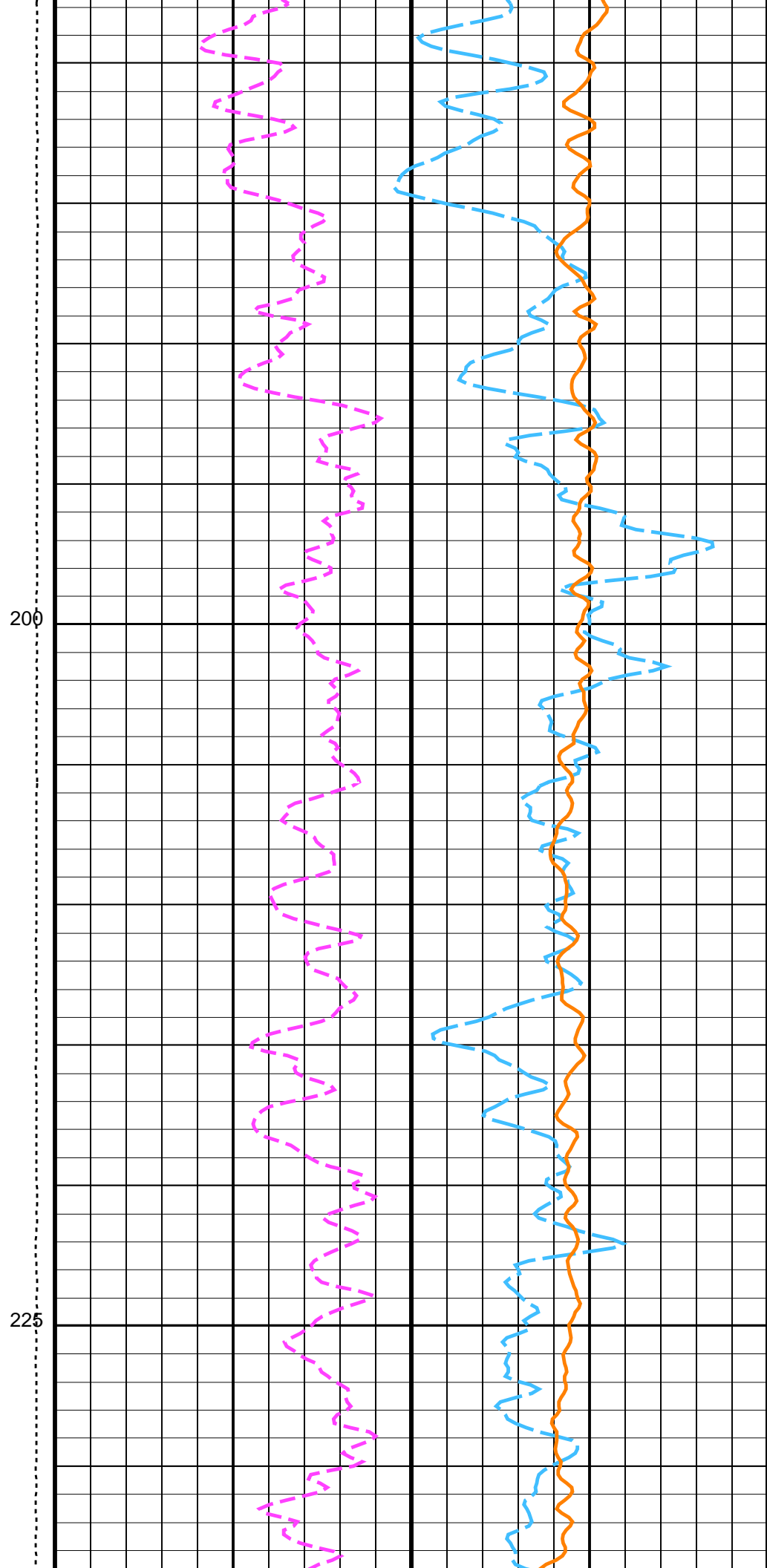
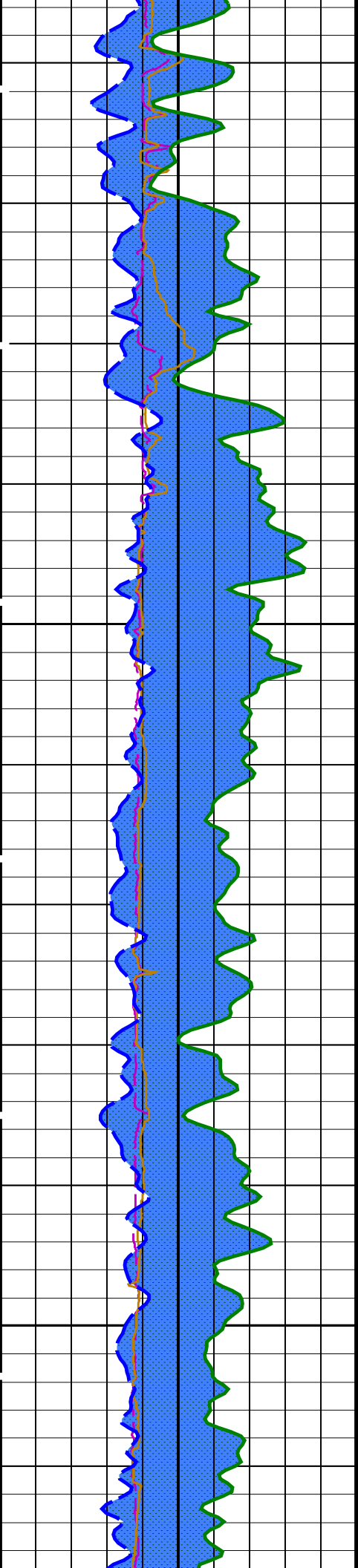


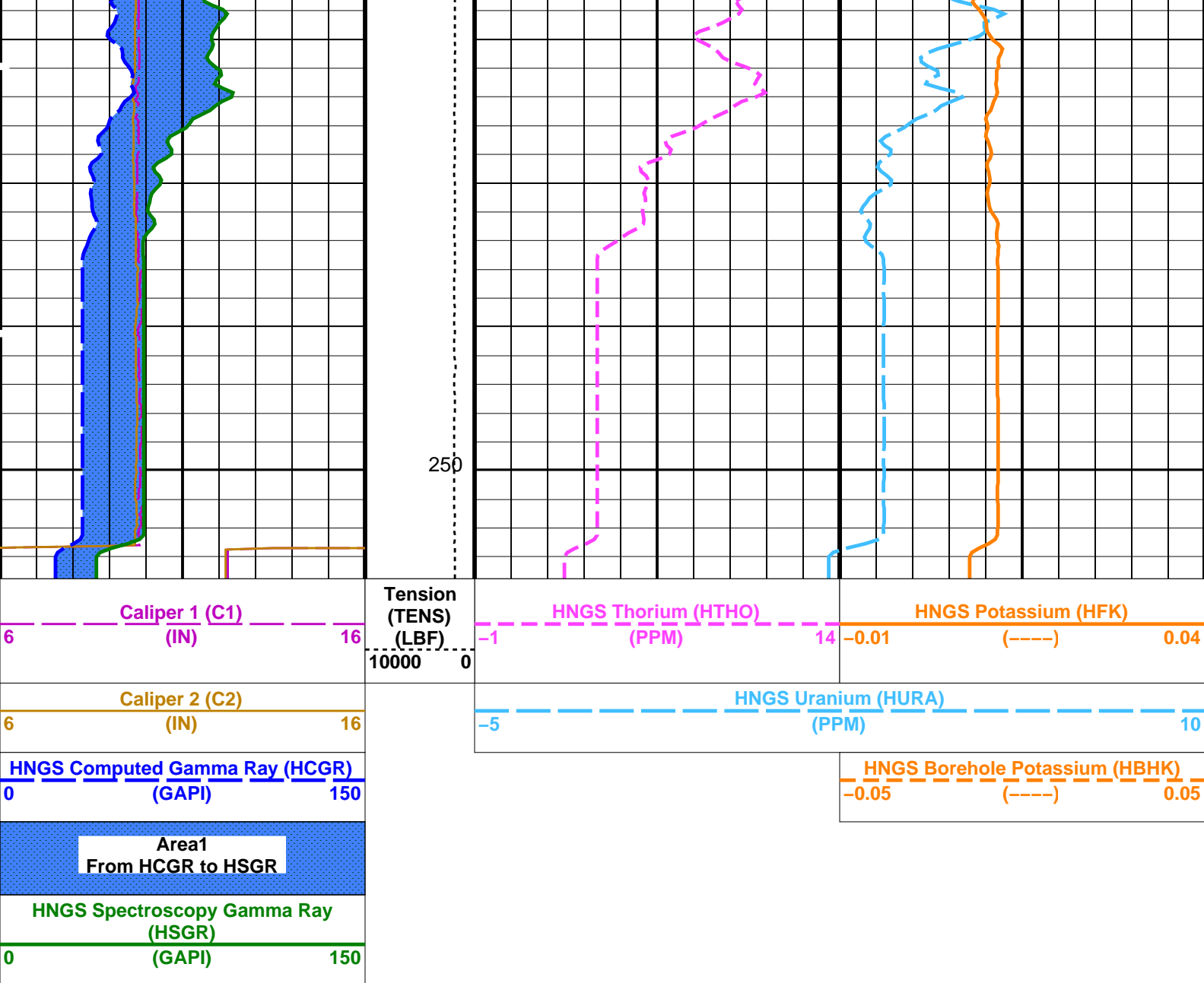
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100







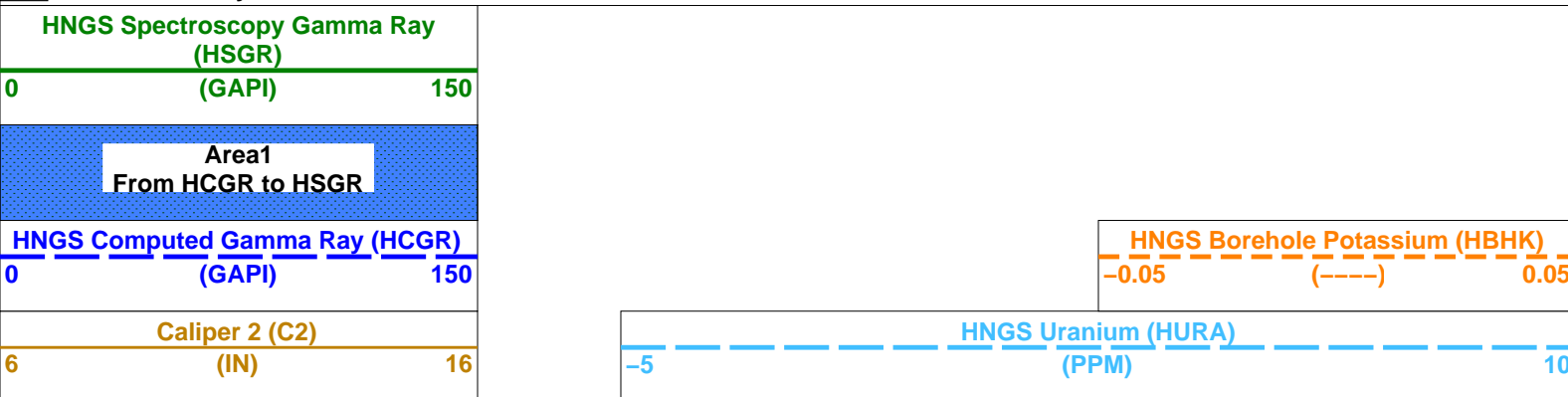


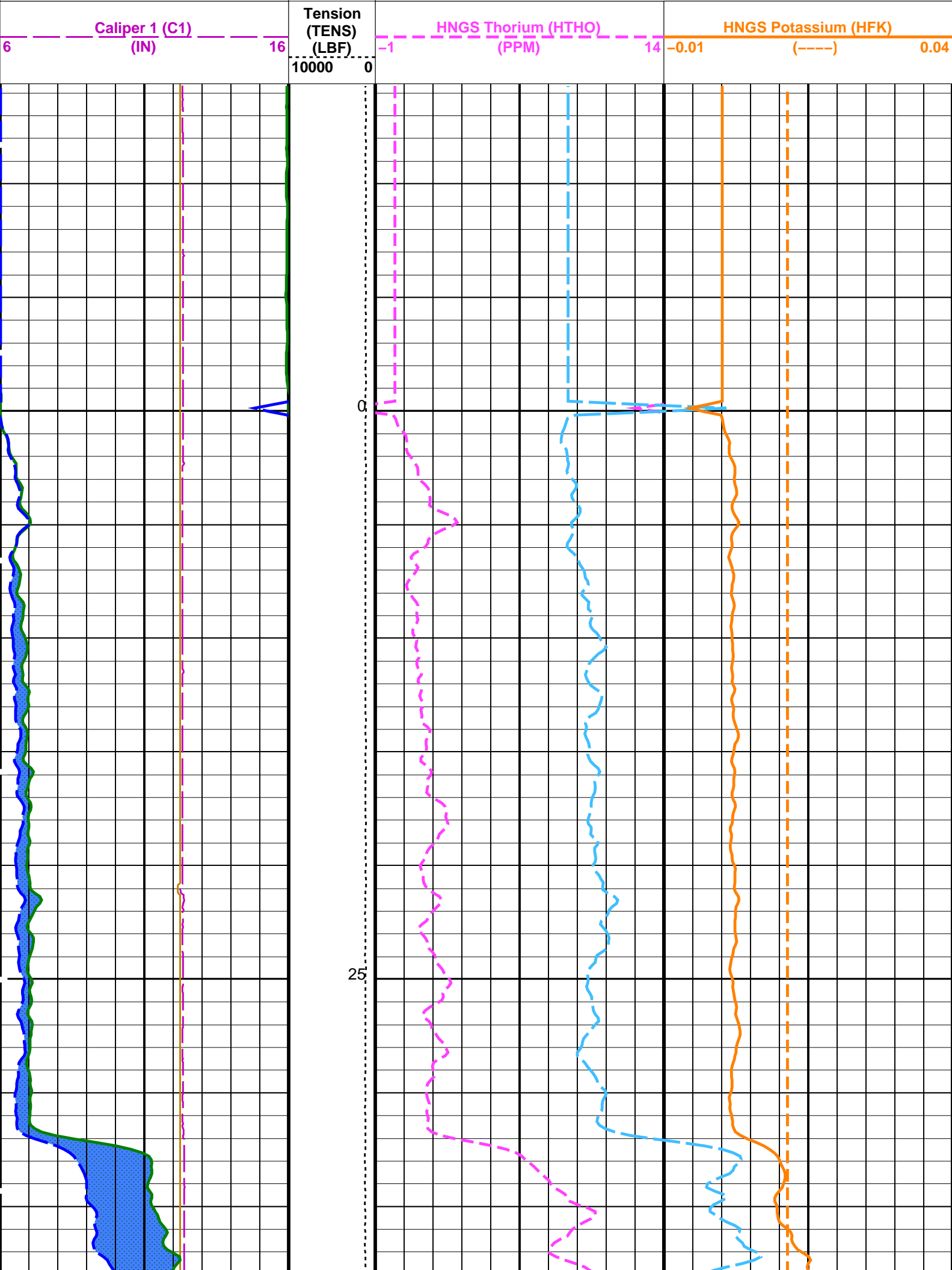
PIP SUMMARY

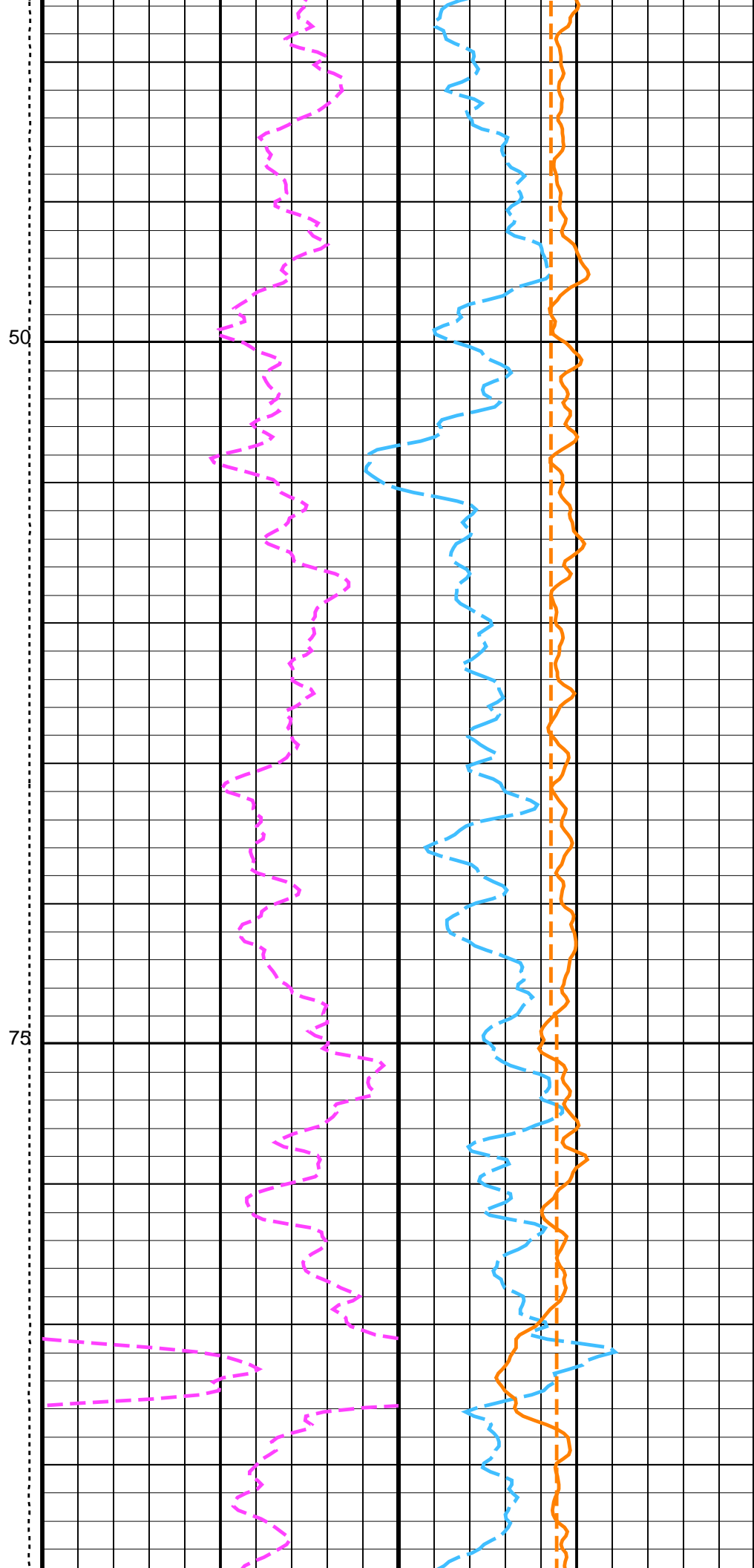
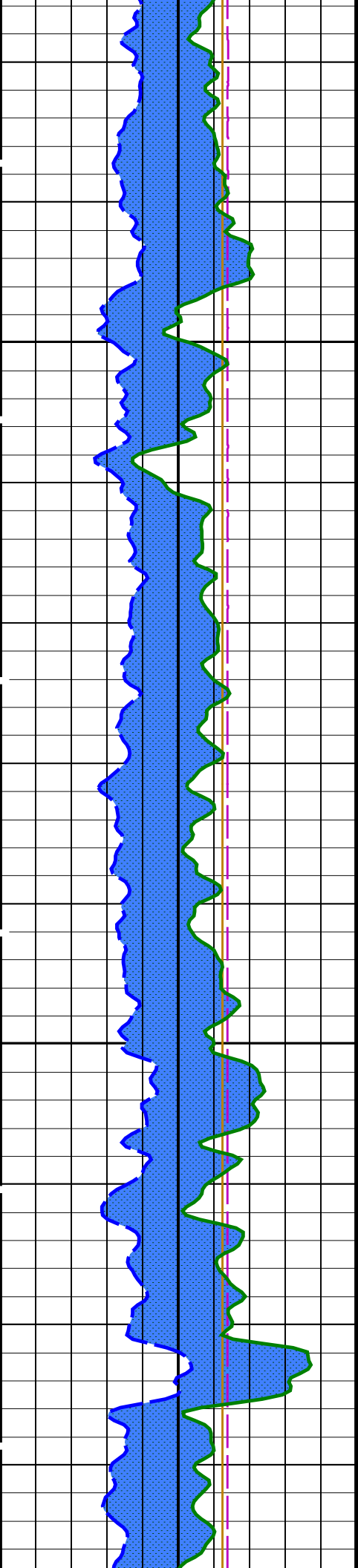
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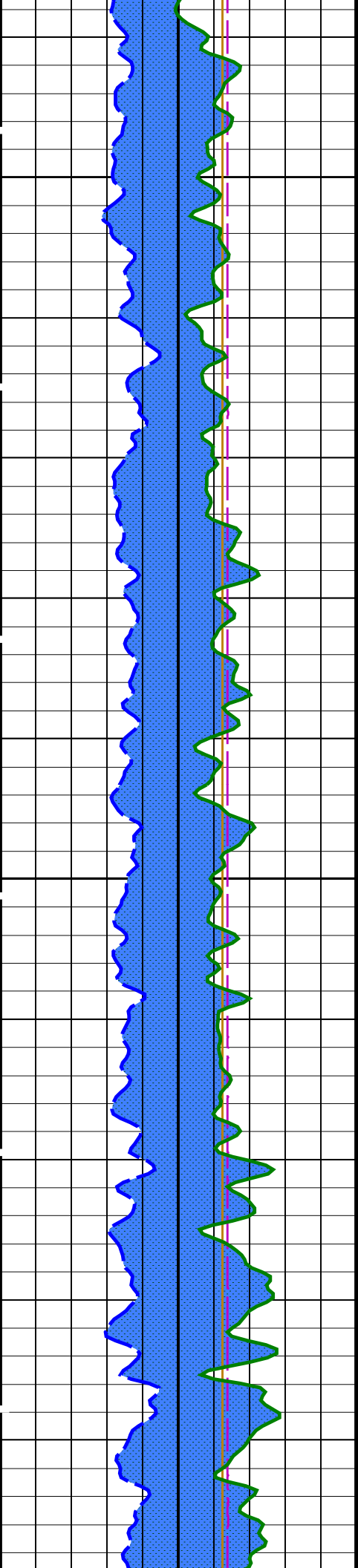
Parameters

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	C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00181559	
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	-999.25	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	-999.25	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.00674	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01345	



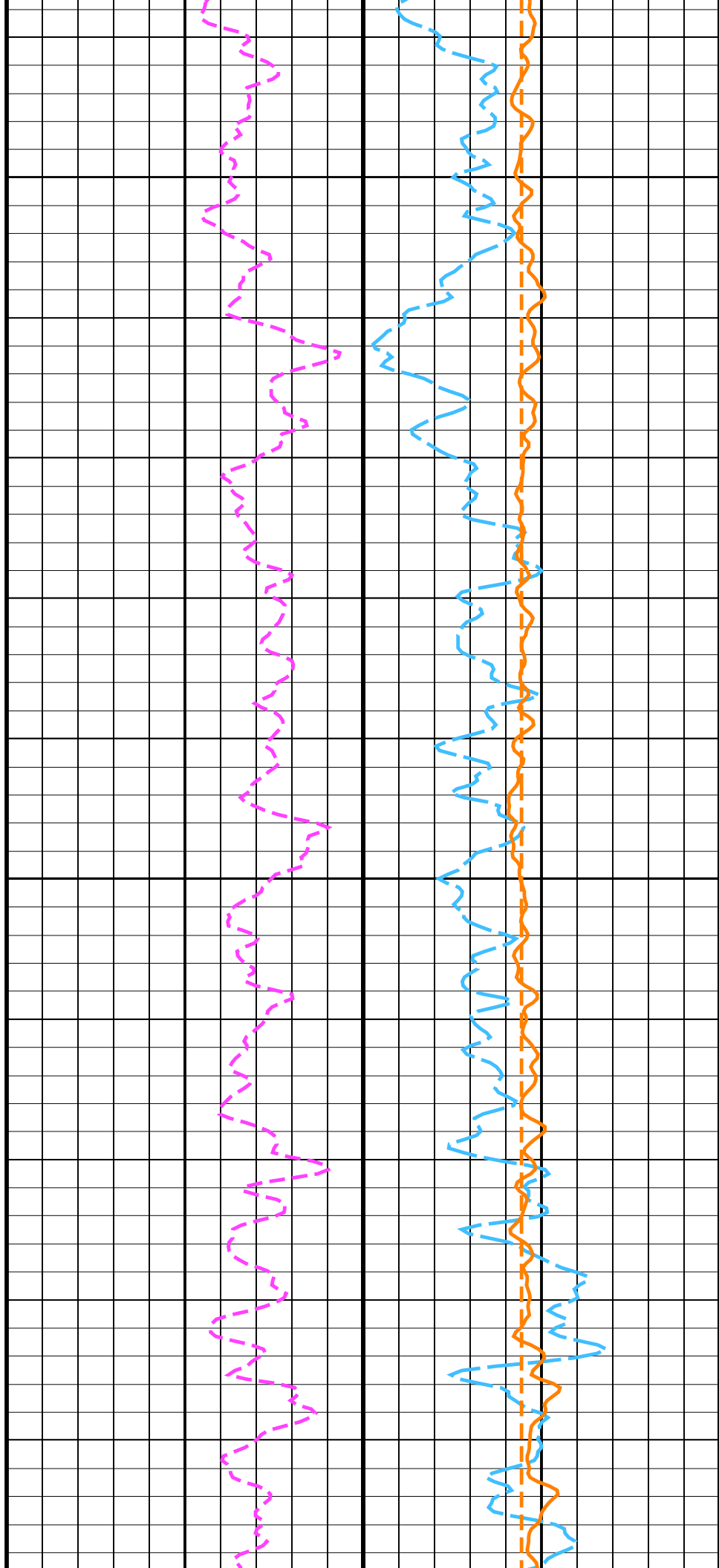


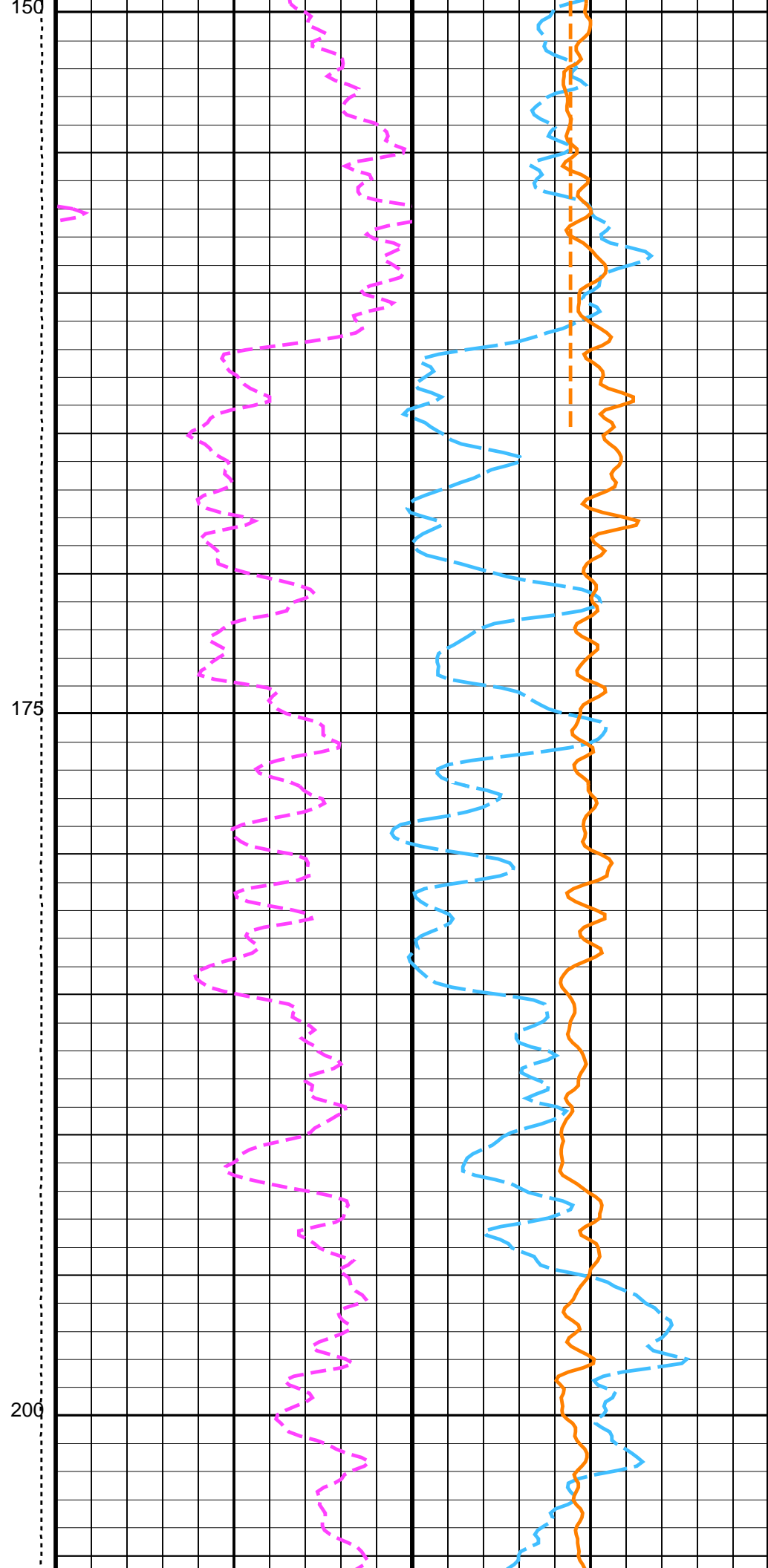
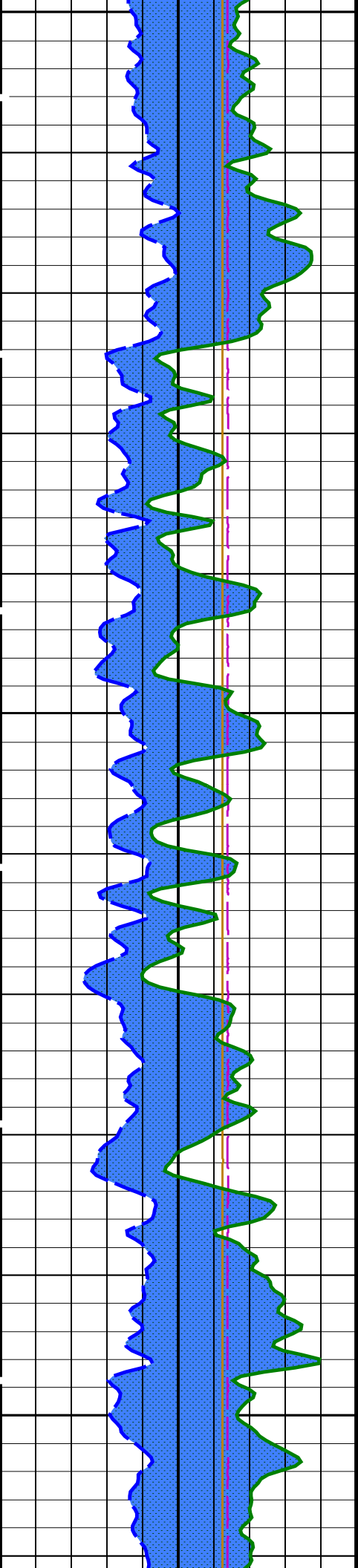


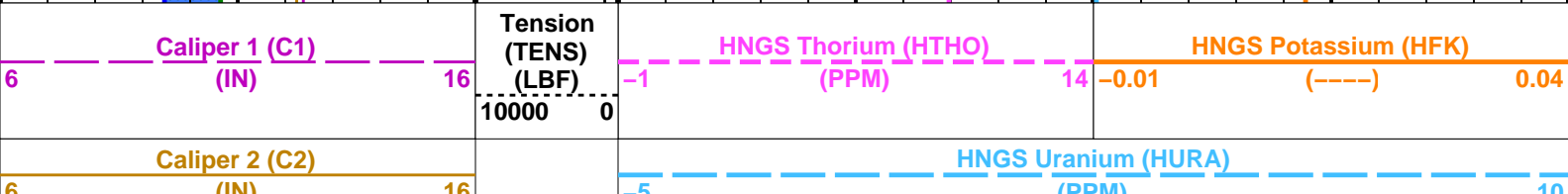
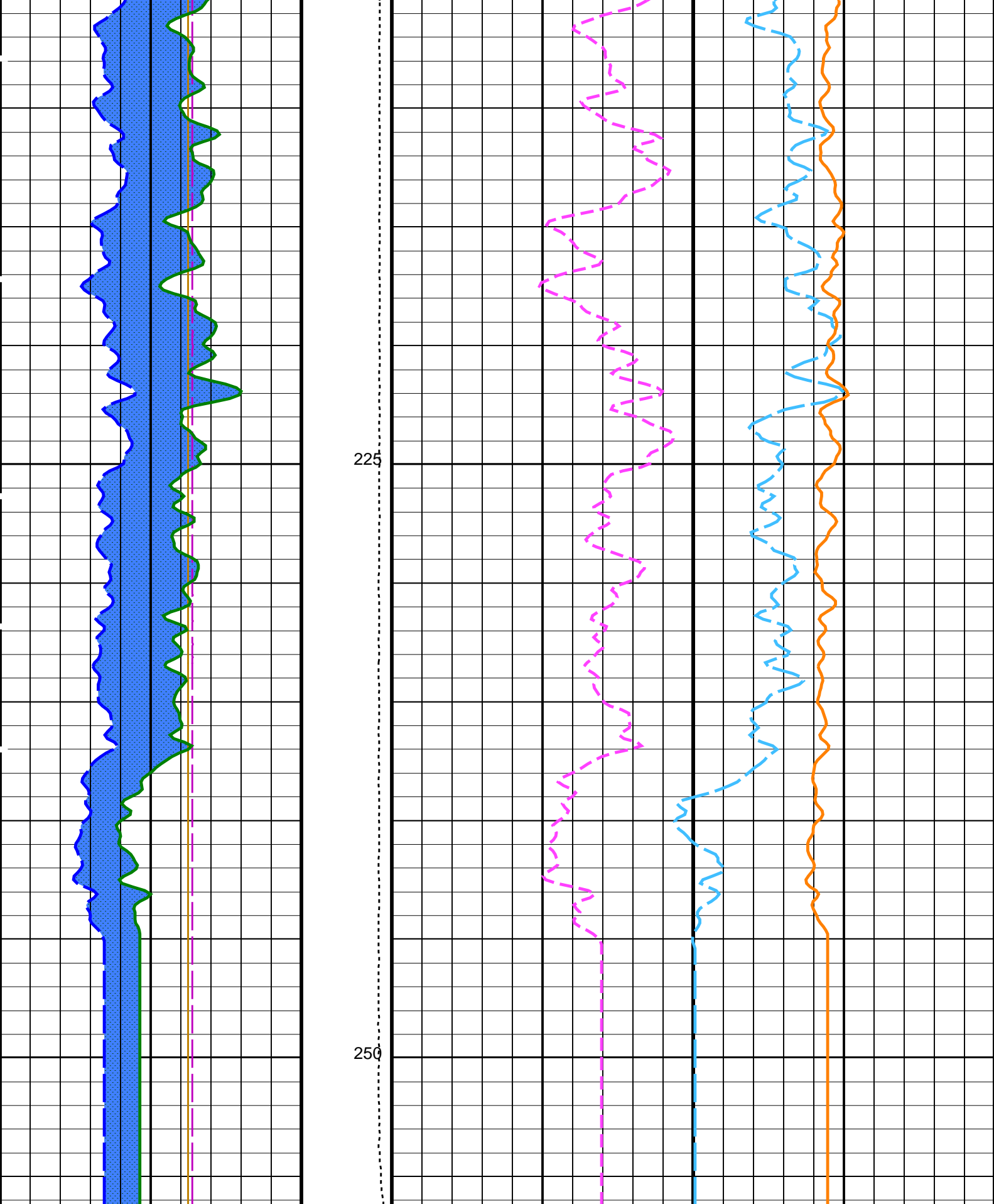


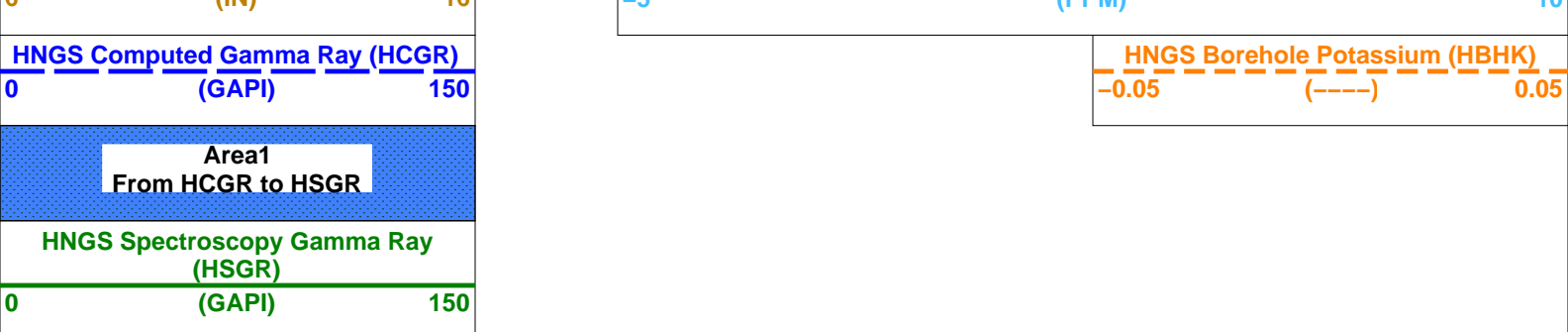
100

125









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	-0.00588677	
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	-999.25	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	-999.25	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.02712	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01916	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	-602.8	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 23-Sep-2012 04:39

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	Flip_FMS_NGS_027LUP	PRODUCER	23-Sep-2012 02:30	858.9 M	532.6 M
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Output DLIS Files

DEFAULT	FMS_NGS_047PUP	FN:59	PRODUCER	23-Sep-2012 04:39
CLIENT	FMS_NGS_047PUC	FN:60	CUSTOMER	23-Sep-2012 04:39

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner – B (Slim) Wellsite Calibration – Caliper Calibration							
Before: Calibration out of date 23-Jul-2012 14:22							
Caliper 1 Zero Measurement	12.00	N/A	12.70	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.52	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.83	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.63	N/A	N/A	N/A	IN
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 20-Sep-2012 22:34							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	743	N/A	N/A	N/A	
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 20-Sep-2012 22:34							
TEMPERATURE REFERENCE :	N/A	N/A	23	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	9	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	507	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: 15-Jul-2012 1:37 Before: 21-Sep-2012 1:23 After: 21-Sep-2012 1:28							
Na 511 Peak Loc	40.00	39.55	39.64	39.63	-0.01205	1.000	
Na 511 Peak Res	15.50	15.74	14.62	14.61	-0.01343	2.000	%
High Voltage	1150	1192	1133	1131	-1.140	N/A	V
Na 1785 Peak Loc	142.6	141.9	143.3	142.5	-0.8368	7.000	
Na 1785 Peak Res	8.500	8.399	8.136	7.484	-0.6517	2.000	%
Temperature	15.50	30.02	5.829	5.848	0.01951	N/A	DEGC
Na Count Rate	45.00	18.00	15.48	15.98	0.5035	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: 15-Jul-2012 1:37 Before: 21-Sep-2012 1:23 After: 21-Sep-2012 1:28							
Na 511 Peak Loc	40.00	39.55	39.64	39.78	0.1437	1.000	
Na 511 Peak Res	15.50	16.74	16.05	14.99	-1.060	2.000	%
High Voltage	1150	1112	1067	1067	0.09460	N/A	V
Na 1785 Peak Loc	142.6	142.2	141.8	141.9	0.09863	7.000	
Na 1785 Peak Res	8.500	9.140	8.464	9.198	0.7344	2.000	%
Temperature	15.50	30.92	6.453	6.596	0.1431	N/A	DEGC
Na Count Rate	45.00	18.43	15.49	16.22	0.7288	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 15-Jul-2012 1:37 Before: 21-Sep-2012 1:23 After: 21-Sep-2012 1:28							
Coincidence Count Rate Ratio	1.000	0.9742	0.9968	0.9870	-0.009778	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 20-Sep-2012 18:08							
EDTC Z-Axis Acceleration	9.810	N/A	9.852	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 20-Sep-2012 18:08 After: Calibration out of date 21-Aug-2012 20:57							
Gamma Ray (Jig – Bkg)	159.7	N/A	159.7	162.5	2.831	14.52	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	167.9	2.925	15.00	GAPI

Micro Electrical Scanner – B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde – B	MEDS – B	724
MEST Preamplifier Cartridge – AB	MEPC – AB	807
GPIT Cartridge – A	GPIC – A	719
MEST Acquisition Cartridge – A	MEAC – A	875

Auxiliary Equipment:

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		39.55	Master		15.74	Master		1192
Before		39.64	Before		14.62	Before		1133
After		39.63	After		14.61	After		1131
	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		141.9	Master		8.399	Master		30.02
Before		143.3	Before		8.136	Before		5.829
After		142.5	After		7.484	After		5.848
	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		18.00						
Before		15.48						
After		15.98						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: 15-Jul-2012 1:37 Before: 21-Sep-2012 1:23 After: 21-Sep-2012 1:28

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		39.55	Master		16.74	Master		1112
Before		39.64	Before		16.05	Before		1067
After		39.78	After		14.99	After		1067
	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		9.140	Master		30.92
Before		141.8	Before		8.464	Before		6.453
After		141.9	After		9.198	After		6.596
	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		18.43						

Before		15.49
After		16.22
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)		
Master: 15-Jul-2012 1:37 Before: 21-Sep-2012 1:23 After: 21-Sep-2012 1:28		

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9742
Before		0.9968
After		0.9870
0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)		
Master: 15-Jul-2012 1:37		
Before: 21-Sep-2012 1:23		
After: 21-Sep-2012 1:28		

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		9.852
9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)		
Before: 20-Sep-2012 18:08		

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			4.007	Before			159.7	Before			165.0					
After			4.001	After			162.5	After			167.9					
0 (Minimum)			30.00 (Nominal)	120.0 (Maximum)			145.2 (Minimum)			159.7 (Nominal)	174.2 (Maximum)	150.0 (Minimum)			165.0 (Nominal)	180.0 (Maximum)
Before: 20-Sep-2012 18:08							After: Calibration out of date 21-Aug-2012 20:57									

Company: **Lamont Doherty Earth Observatory**
Shell
 Well: **Expedition 344S, U0070A (USC70)**
 Field: **Baffin Bay**
 Rig: **JOIDES Resolution**
 Country: **USA**

Schlumberger

