

Company: Lamont Doherty

Well: ODP Leg 207 Site 1261B

Field: Demarara Rise

Country: Venezuela

Ocean: Atlantic

Natural Gamma Ray Spectroscopy

Country: Venezuela		Elev.: K.B. 11.3 m	
Field: Demarara Rise		G.L. -1911 m	
Location: 9.04866 Deg North, 54.3175 Deg West		D.F. 11 m	
Well: ODP Leg 207 Site 1261B		Elev.: 0 m	
Company: Lamont Doherty		11.3 m above Perm. Datum	
LOCATION			
Permanent Datum: MSL			
Log Measured From: DES			
Drilling Measured From: DES			
API Serial No.	Max. Hole Devi.	Longitude	Latitude

Logging Date	21-Feb-2003		
Run Number	1		
Depth Driller	2585 m		
Schlumberger Depth	2564 m		
Bottom Log Interval	2535 m		
Top Log Interval	1901 m		
Casing Driller Size @ Depth	0.000 in @ 2013 m		
Casing Schlumberger	2010 m		
Bit Size	9.875 in		
Type Fluid In Hole	Sepolite Salt Water		
Density	1.1 g/cm3		
Fluid Loss	PH		
Source Of Sample	Mudpit		
RM @ Measured Temperature	0.258 ohm.m @ 32 degC		
RMF @ Measured Temperature	@ @		
RMC @ Measured Temperature	@ @		
Source RMF	RMC		
RM @ MRT	0.349 @ 18 @ 18		
Maximum Recorded Temperatures	18 degC		
Circulation Stopped	Time		
Logger On Bottom	21-Feb-2003 20:15		
Unit Number	99		
Recorded By	K. Swain		
Witnessed By	B. Rea, F. Heidersdorf		

Logging Date	Run 1	Run 2	Run
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
Source Of Sample			
RM @ Measured Temperature			
RMF @ Measured Temperature			
RMC @ Measured Temperature			
Source RMF			
RM @ MRT			
Maximum Recorded Temperatures			
Circulation Stopped			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

Logging Date	21-Feb-2003		
Run Number	1		
Depth Driller	2585 m		
Schlumberger Depth	2564 m		
Bottom Log Interval	2535 m		
Top Log Interval	1901 m		
Casing Driller Size @ Depth	0.000 in @ 2013 m		
Casing Schlumberger	2010 m		
Bit Size	9.875 in		
Type Fluid In Hole	Sepolite Salt Water		
Density	1.1 g/cm3		
Fluid Loss	PH		
Source Of Sample	Mudpit		
RM @ Measured Temperature	0.258 ohm.m @ 32 degC		
RMF @ Measured Temperature	@ @		
RMC @ Measured Temperature	@ @		
Source RMF	RMC		
RM @ MRT	0.349 @ 18 @ 18		
Maximum Recorded Temperatures	18 degC		
Circulation Stopped	Time		
Logger On Bottom	21-Feb-2003 20:15		
Unit Number	99		
Recorded By	K. Swain		
Witnessed By	B. Rea, F. Heidersdorf		

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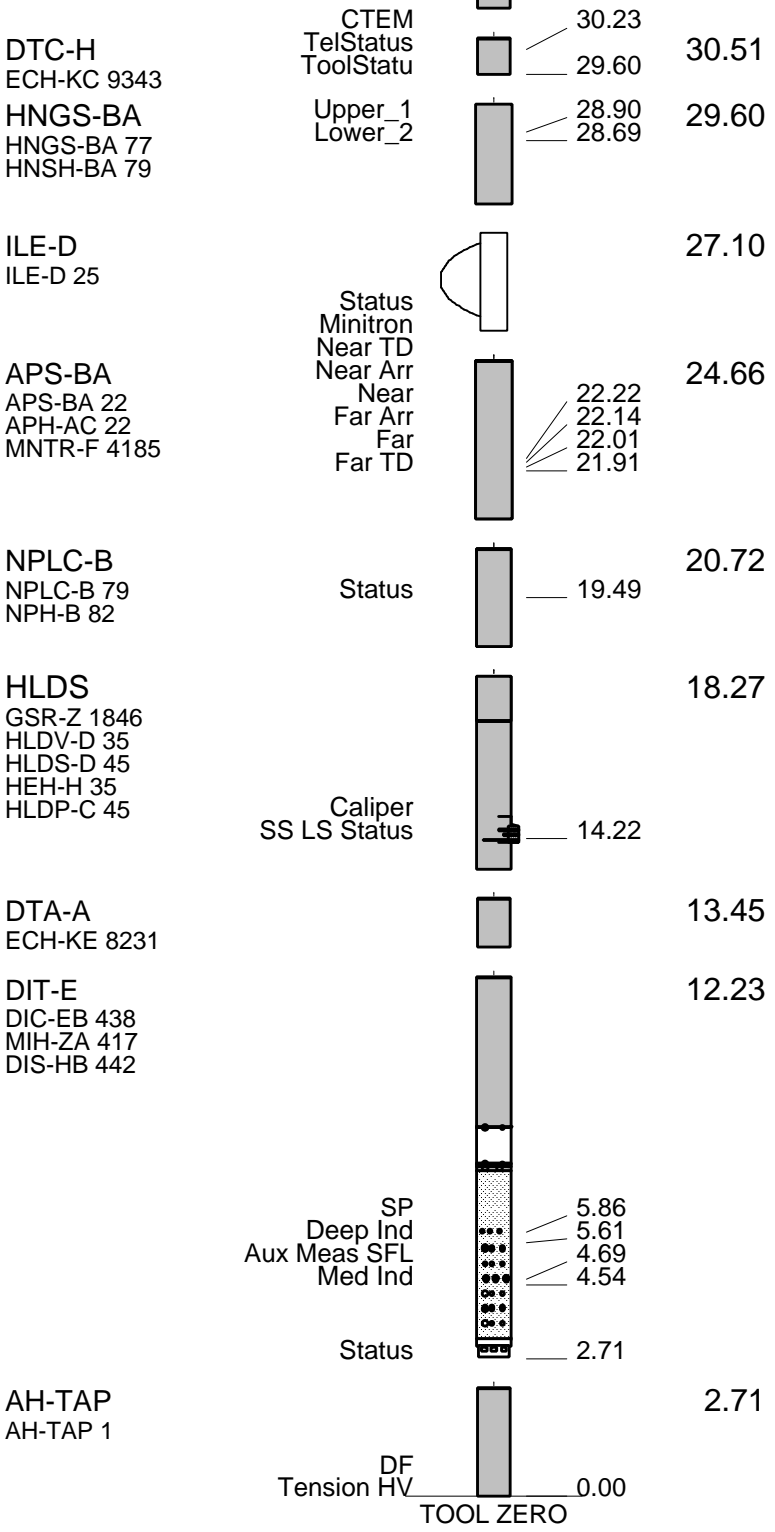
OTHER SERVICES1 OS1: DITE OS2: HLDS/APS/HNGS OS3: WST OS4: FMS OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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REMARKS: RUN NUMBER 1 Hole cored with RCB, 9 7/8" bit. Driller Sea Floor at:1911 mbrf. Log measured in meters below rig floor.	REMARKS: RUN NUMBER 2
Wireline heave compensator used on all runs. Sepiolite mud was used to displace the hole. Driller TD= 2585mbrf. Schlumberger TD= 2564 mbrf. Drill pipe Schlumberger= 2010mbrf. See Lamont TAP tool for bottom hole temperature.	

RUN 1			RUN 2		
SERVICE ORDER #:	10C0-306		SERVICE ORDER #:		
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1		RUN 2	
SURFACE EQUIPMENT			
SFT-281 24 SFT-178 4722 GSR-U 135 WITM (DTS)-A			
DOWNHOLE EQUIPMENT			
LEH-QT		37.04	
LEH-QT 1497			
AH-MGT		36.15	
AH-MGT			



TOOL ZERO

MAXIMUM STRING DIAMETER 3.88 IN
 MEASUREMENTS RELATIVE TO TOOL ZERO
 ALL LENGTHS IN METERS

Output DLIS Files

DEFAULT	PI_LDL_APS_NGS_008LUP	FN:12	PRODUCER	21-Feb-2003 21:50	2564.9 M	1881.7 M
REDUCE	PI_LDL_APS_NGS_008LUP	FN:13	PRODUCER	21-Feb-2003 21:50	2564.9 M	1881.7 M

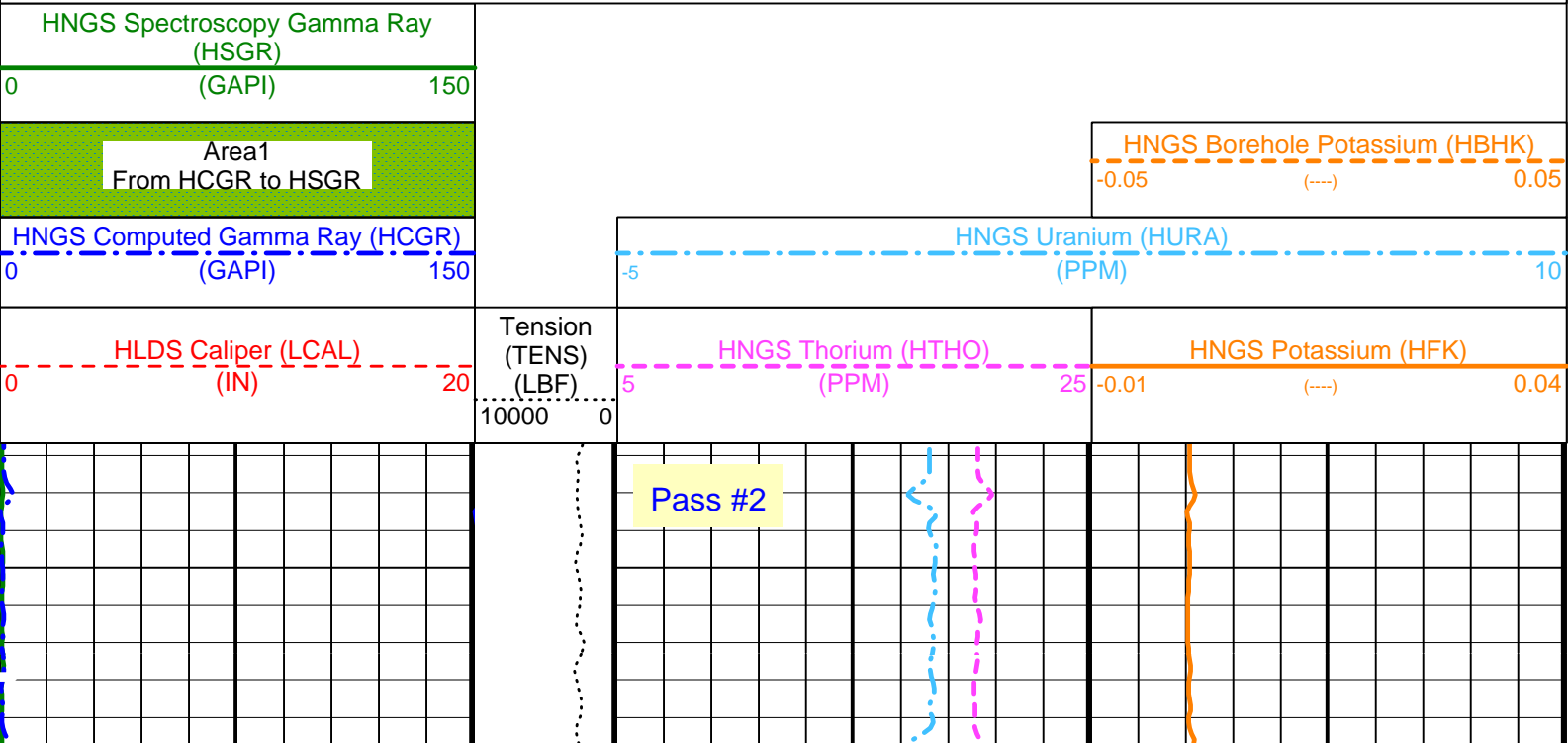
OP System Version: 10C0-306

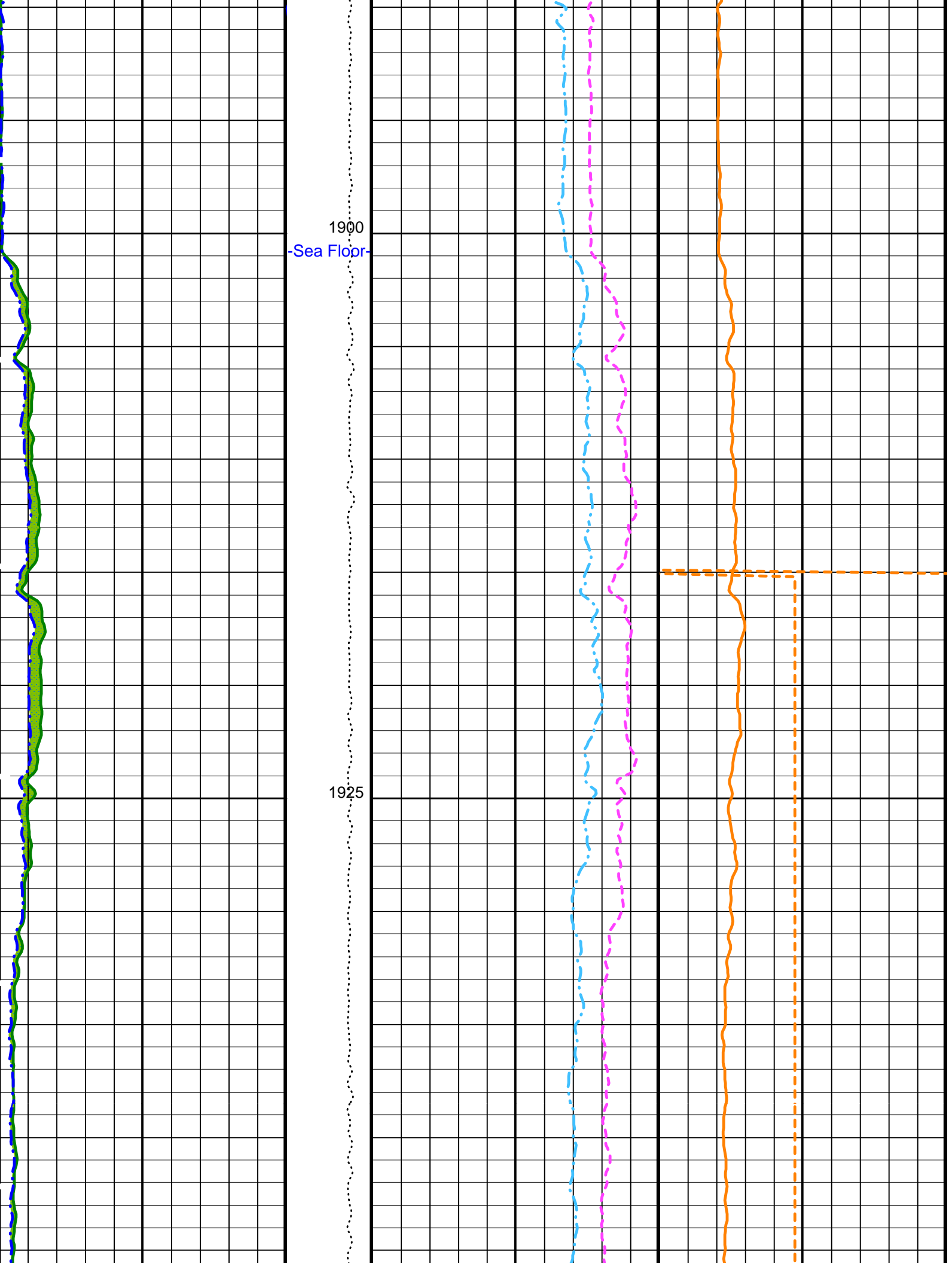
MCM

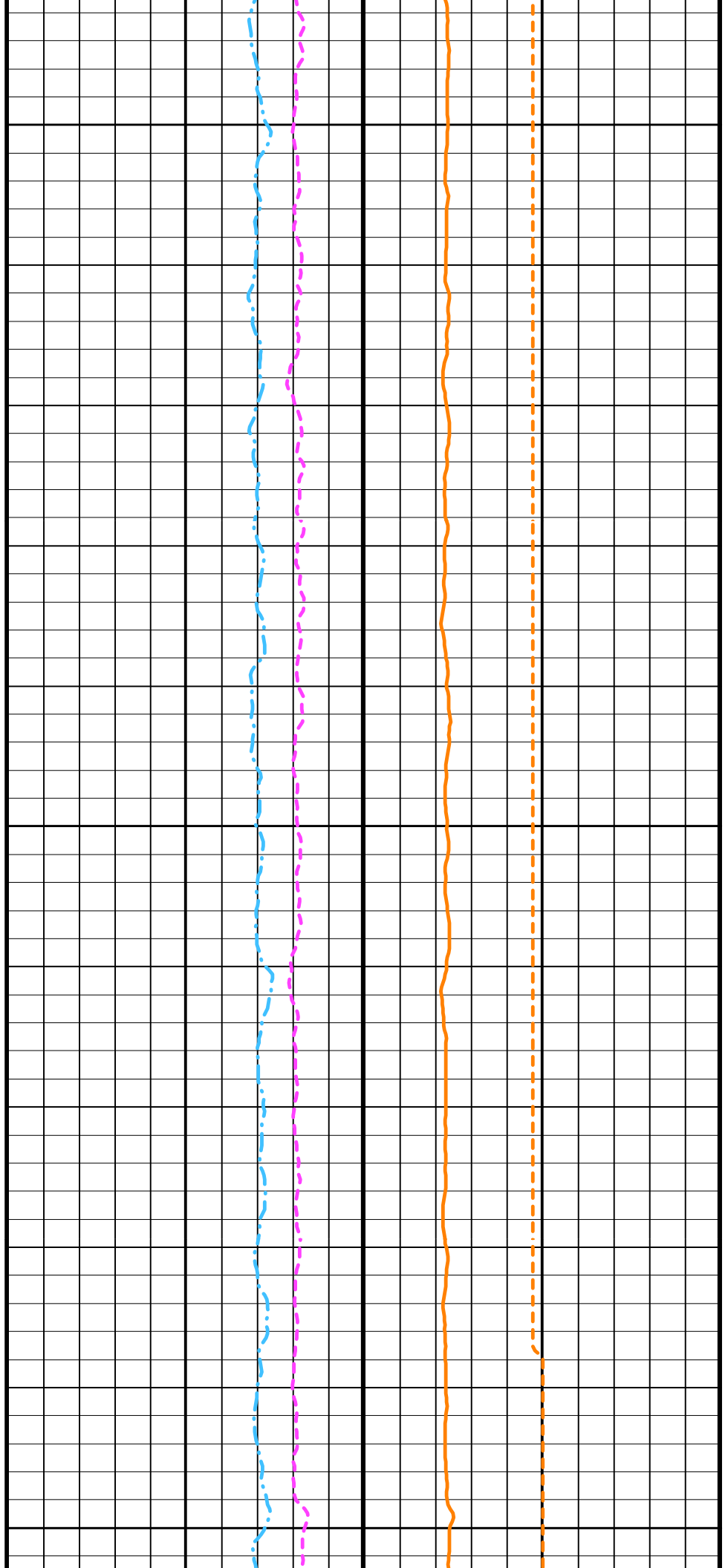
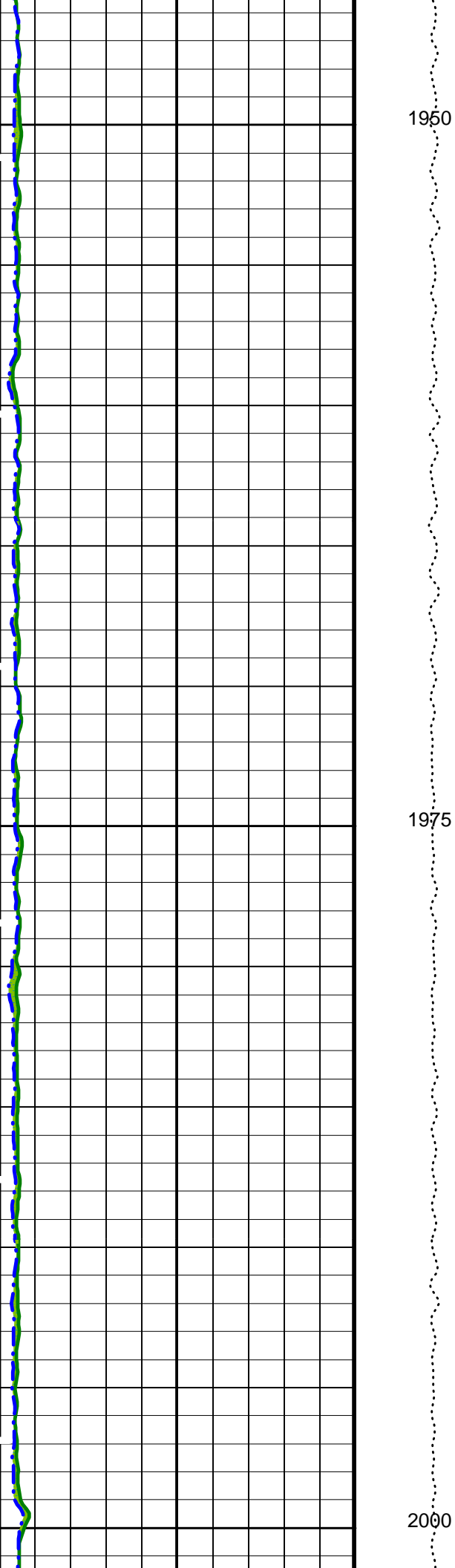
DIT-E	10C0-306	DTA-A	10C0-306
HLDS	SPC-2277-NUCL_b	NPLC-B	OP10-KP1
APS-BA	SPC-2277-NUCL_b	HNGS-BA	SPC-2277-NUCL_b
DTC-H	10C0-306		

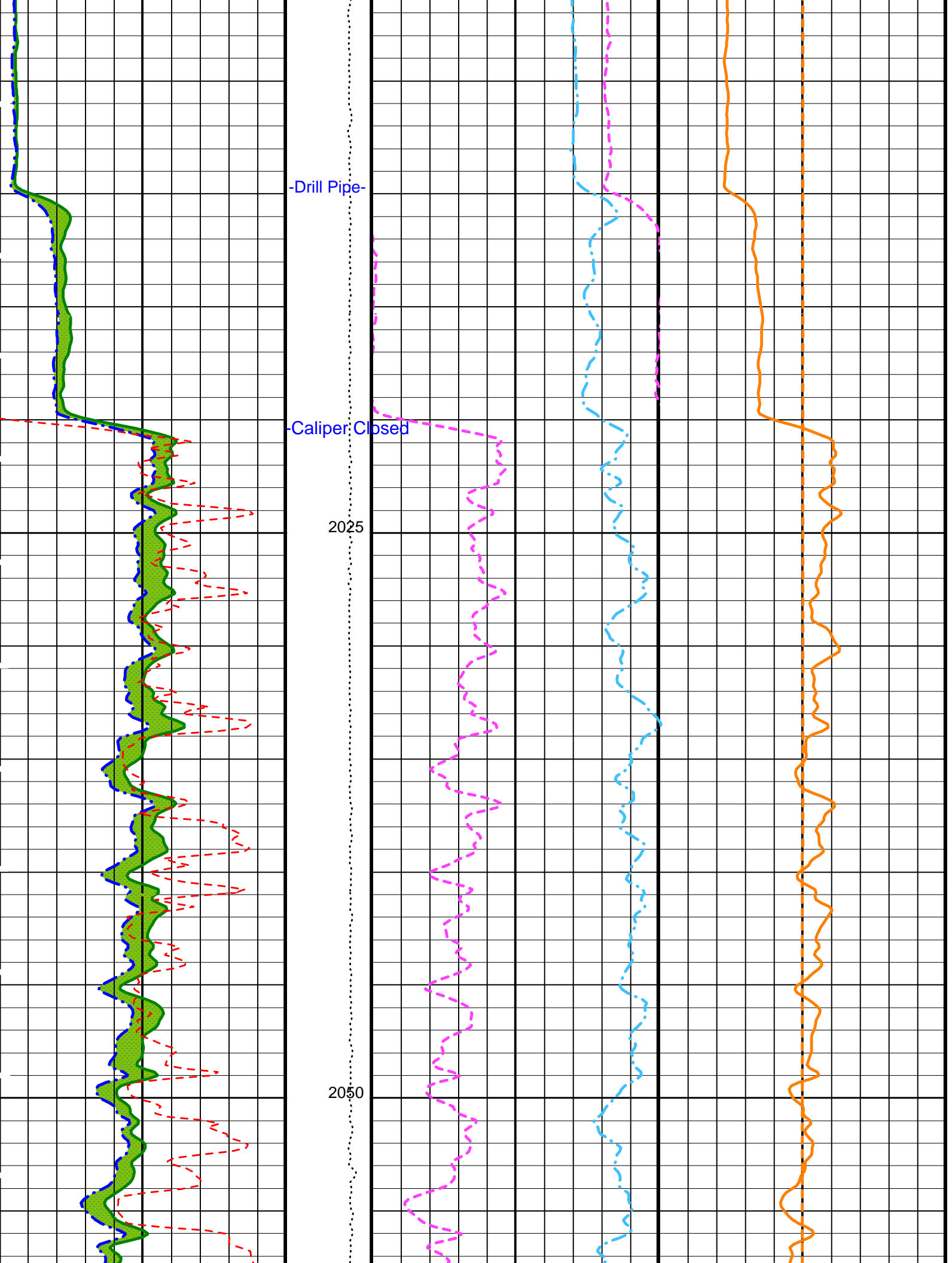
PIP SUMMARY

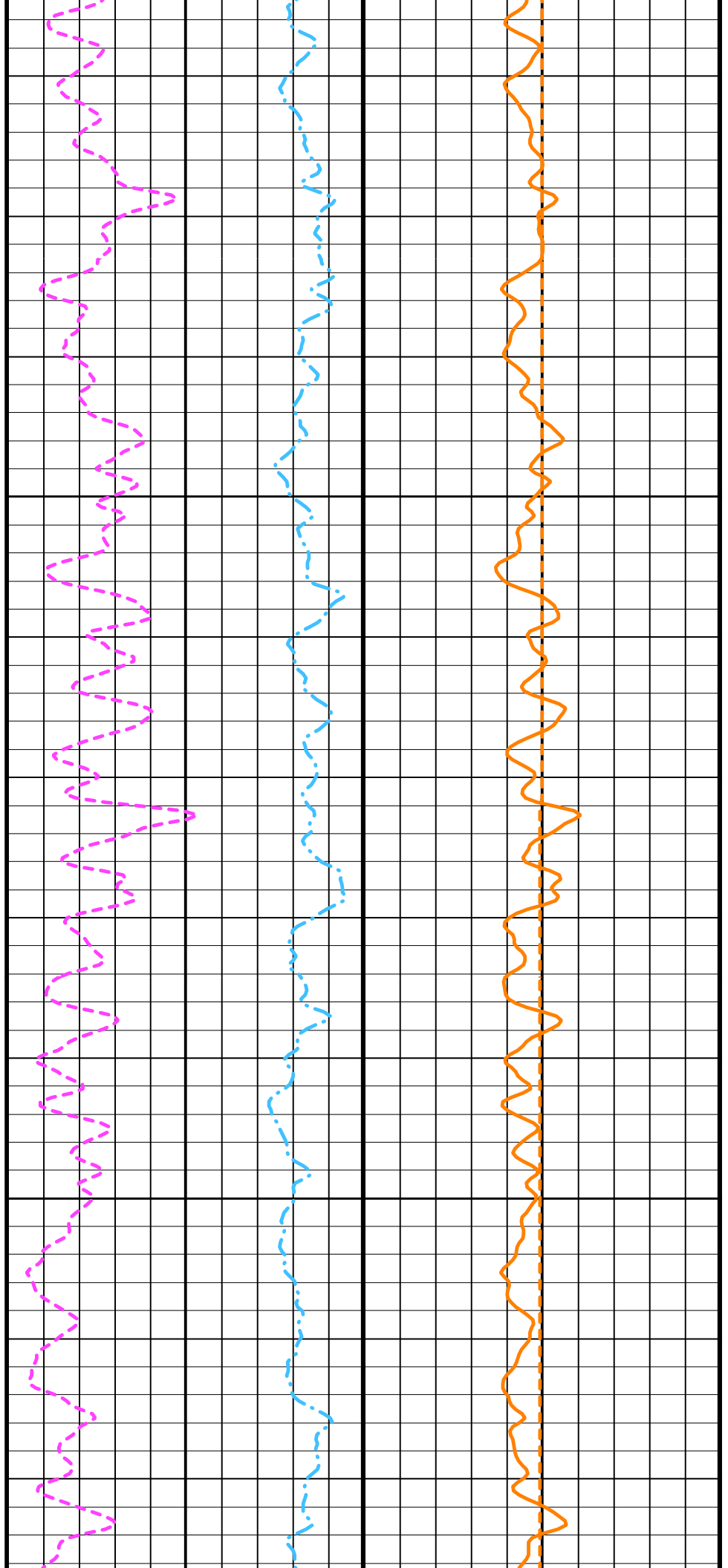
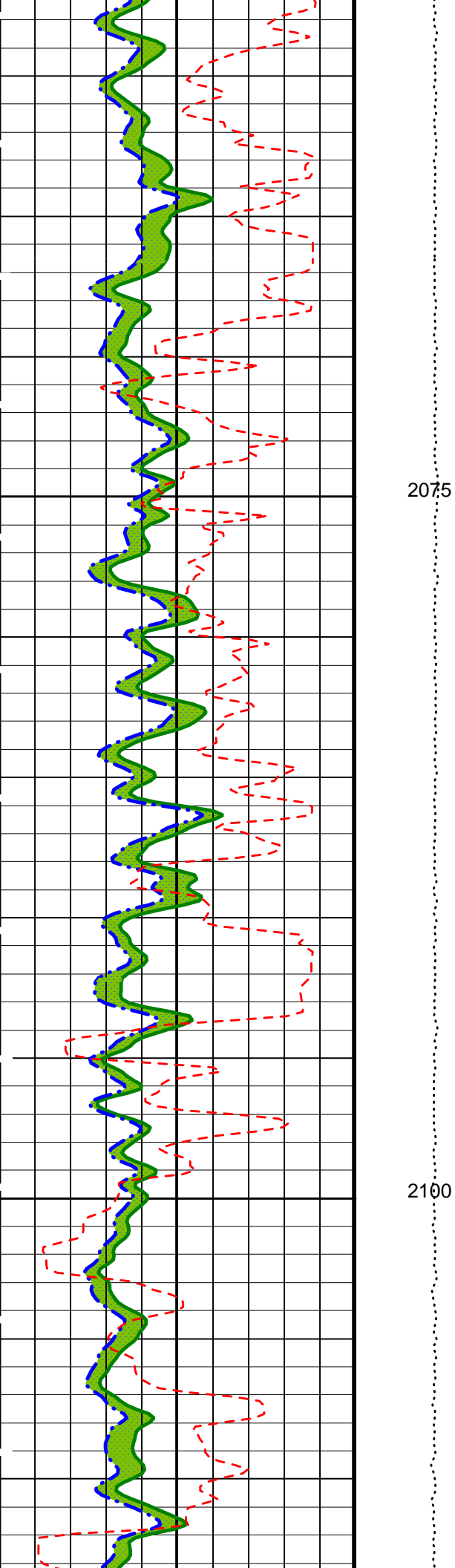
Time Mark Every 60 S

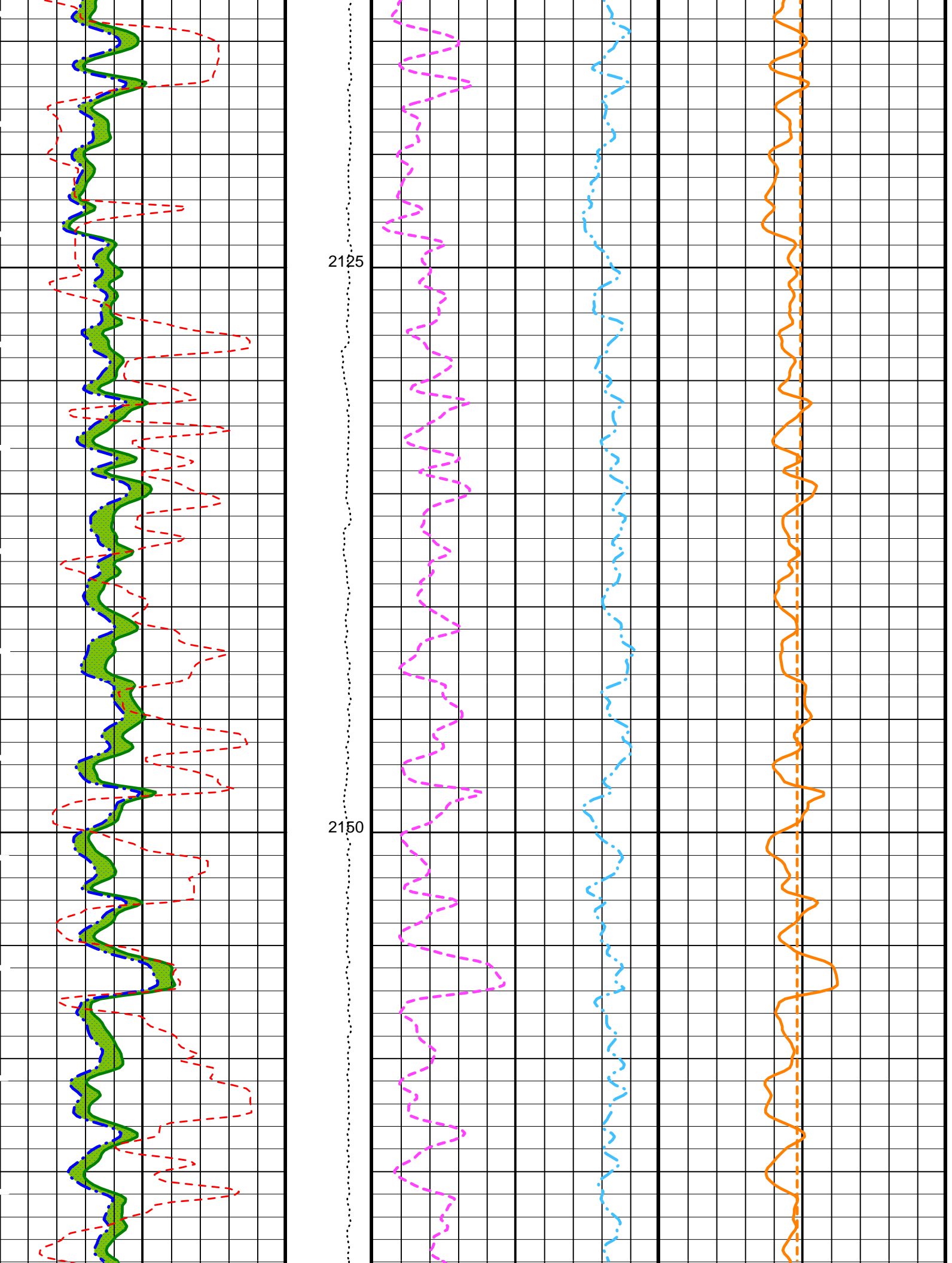


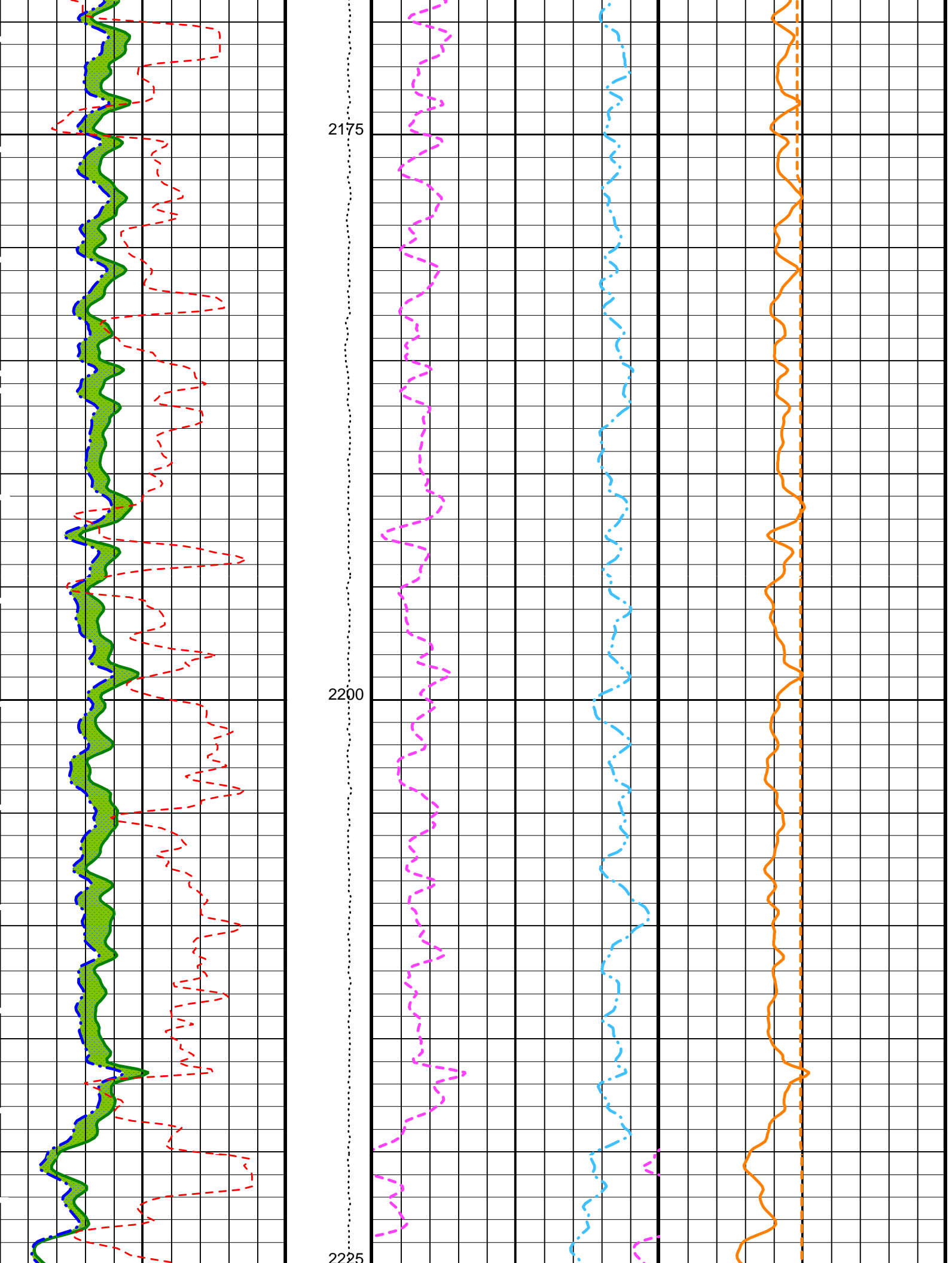


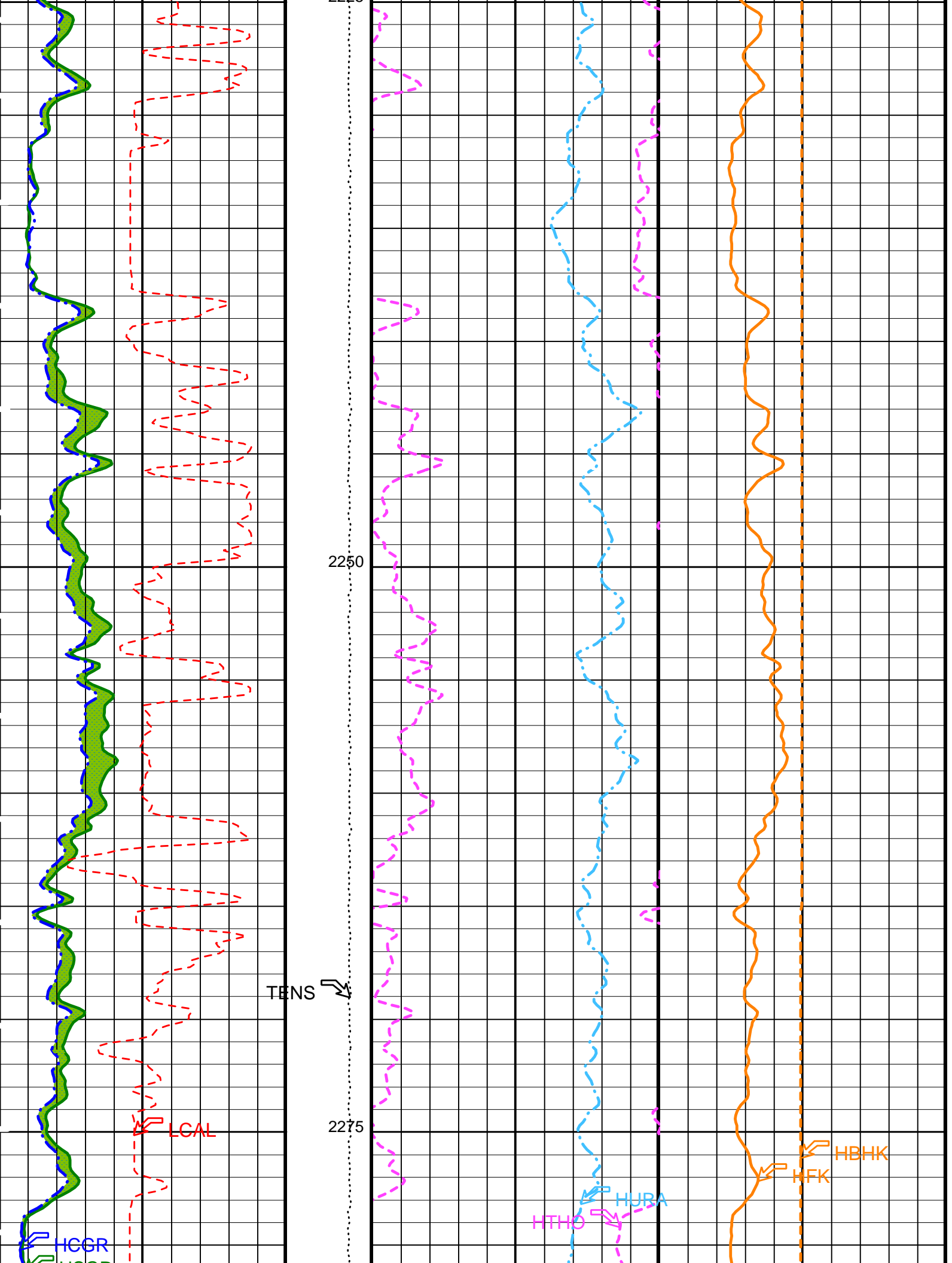


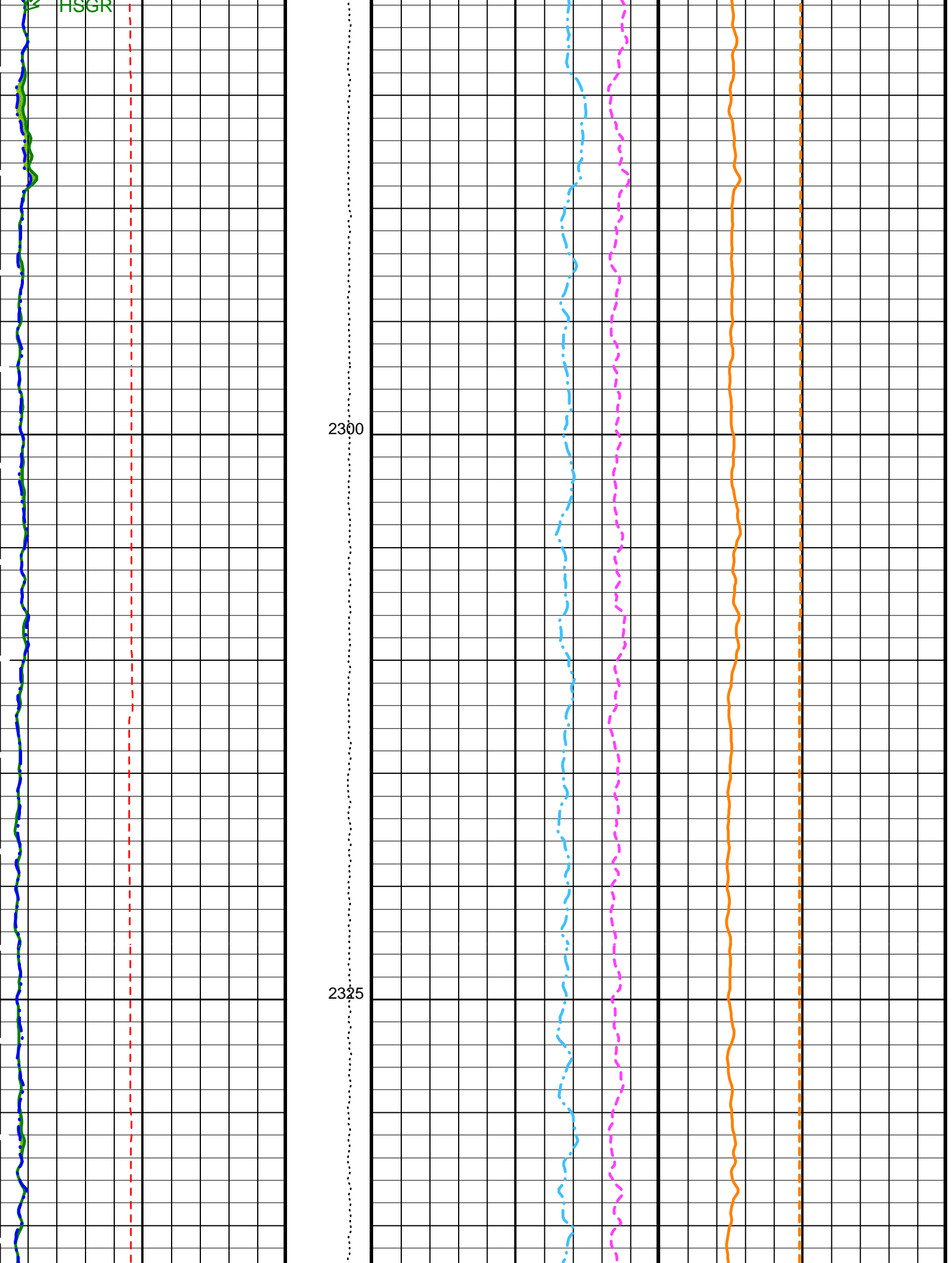


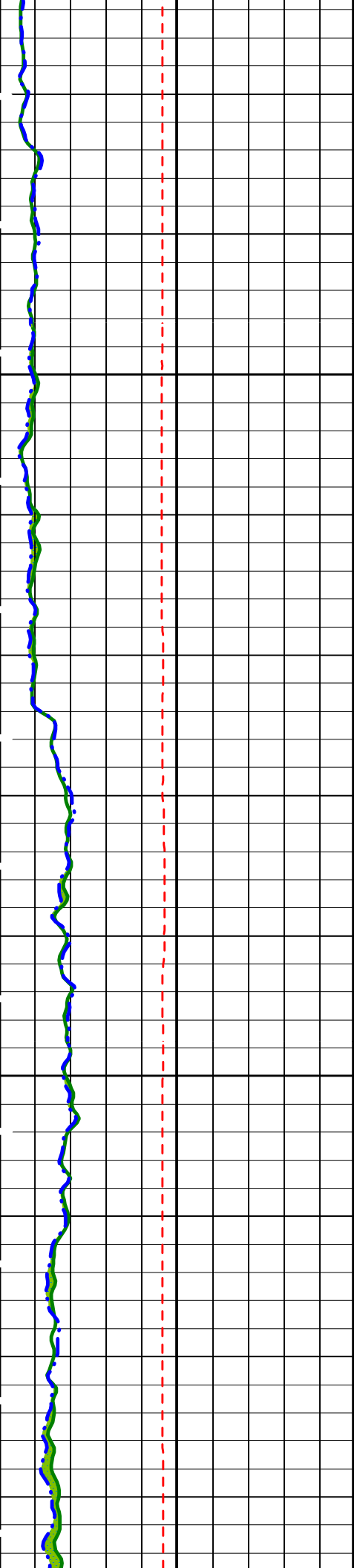






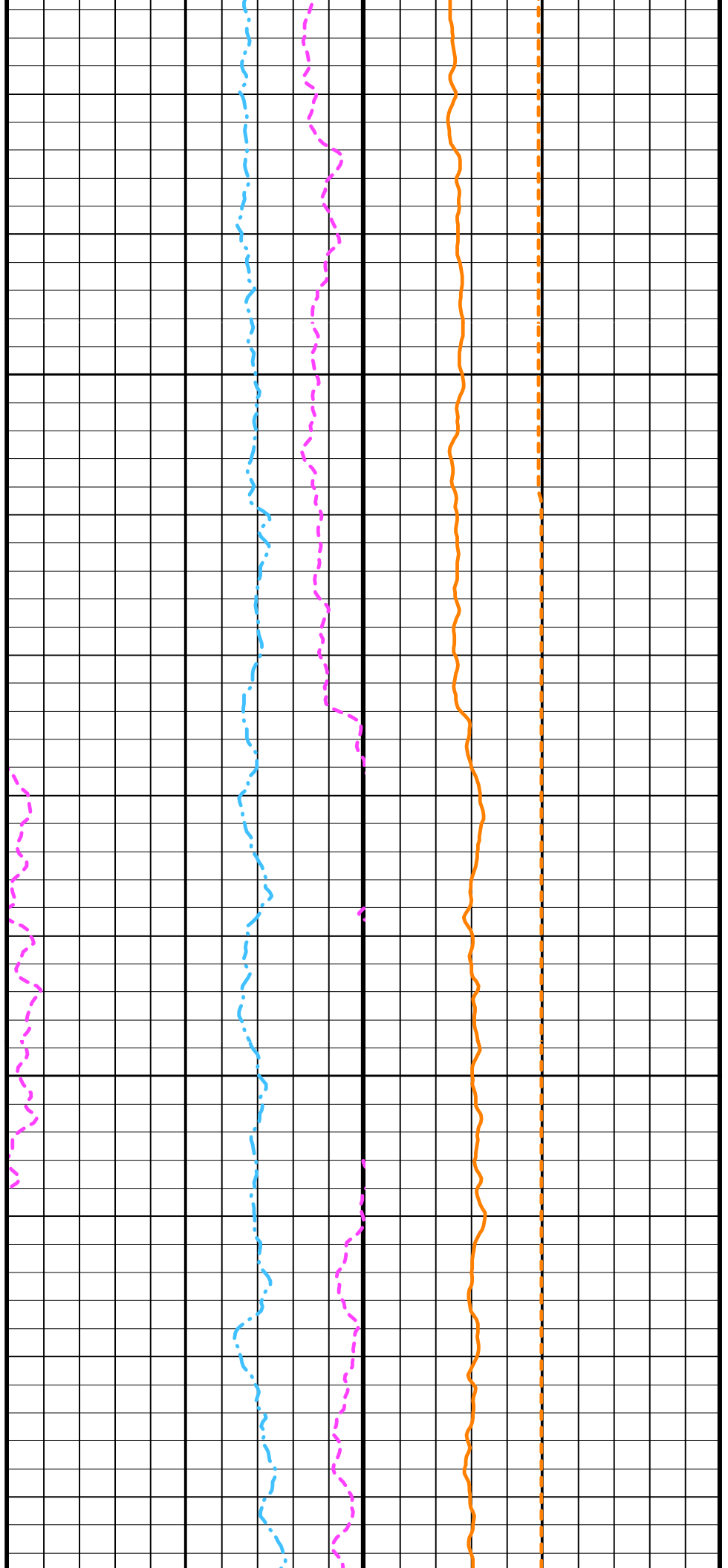


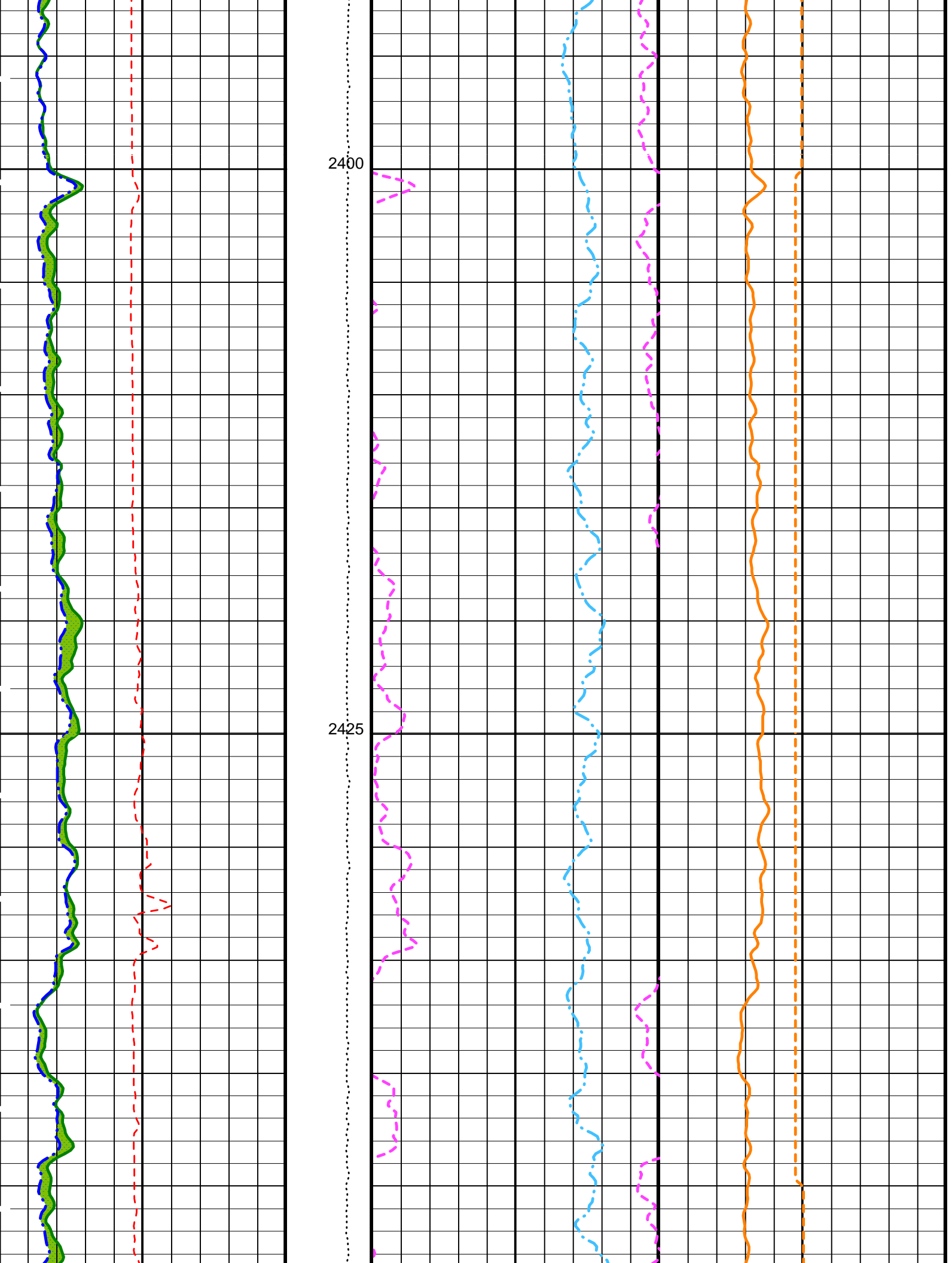


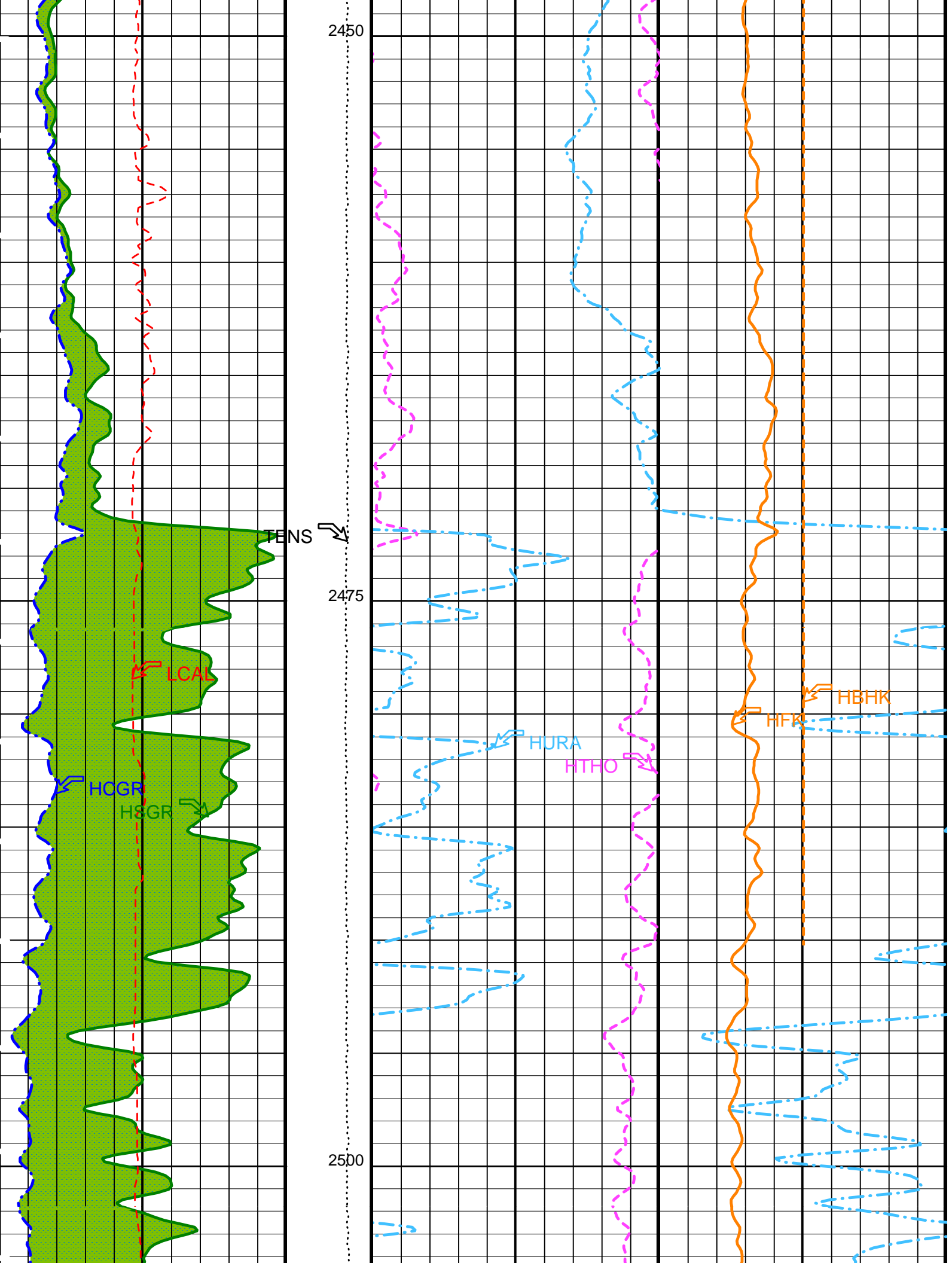


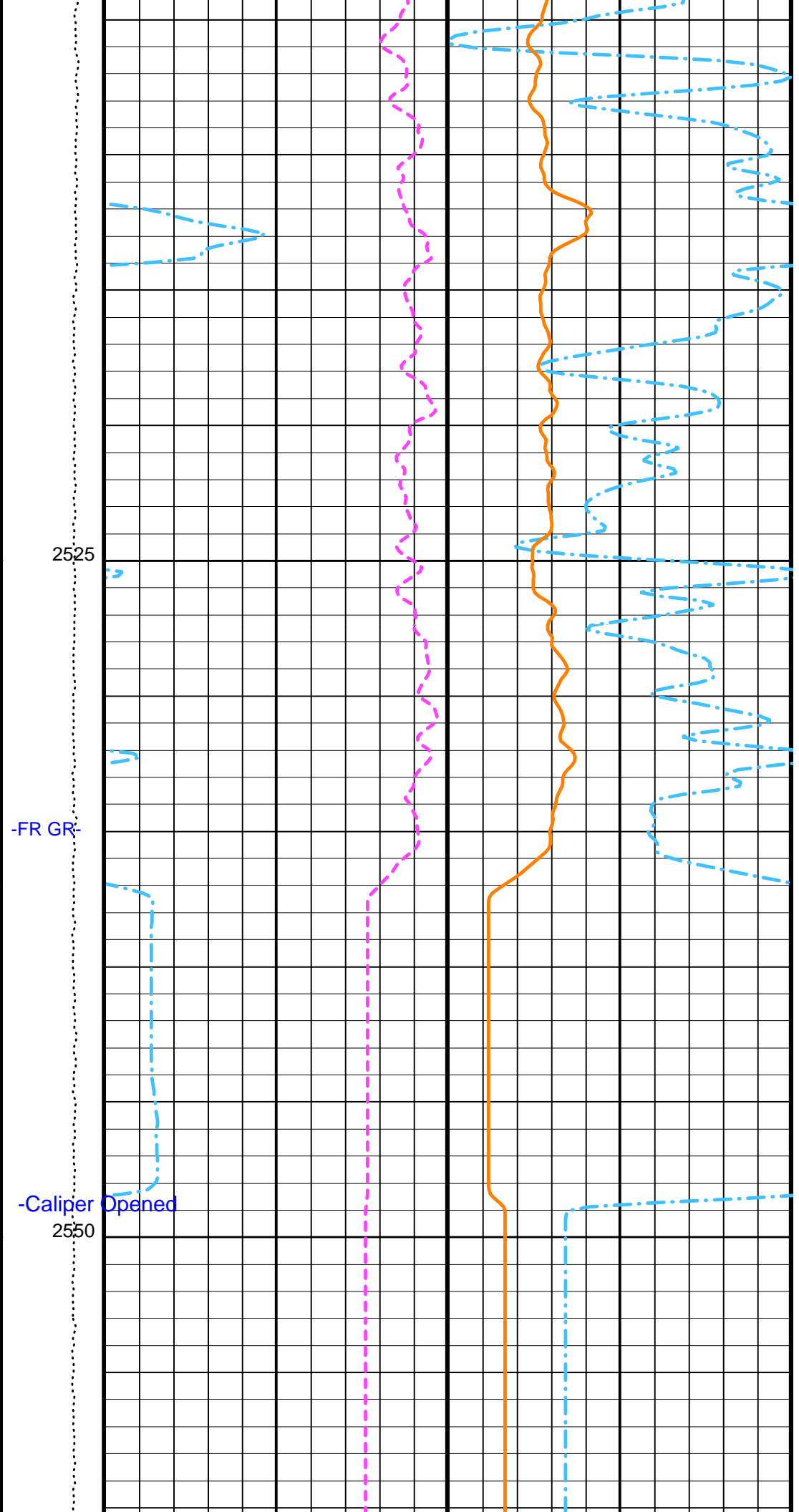
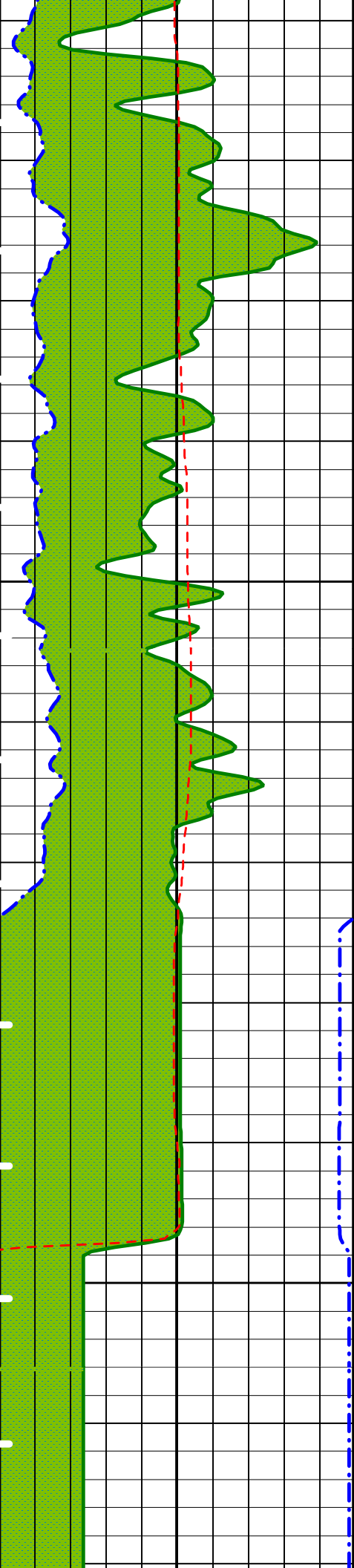
2350

2375







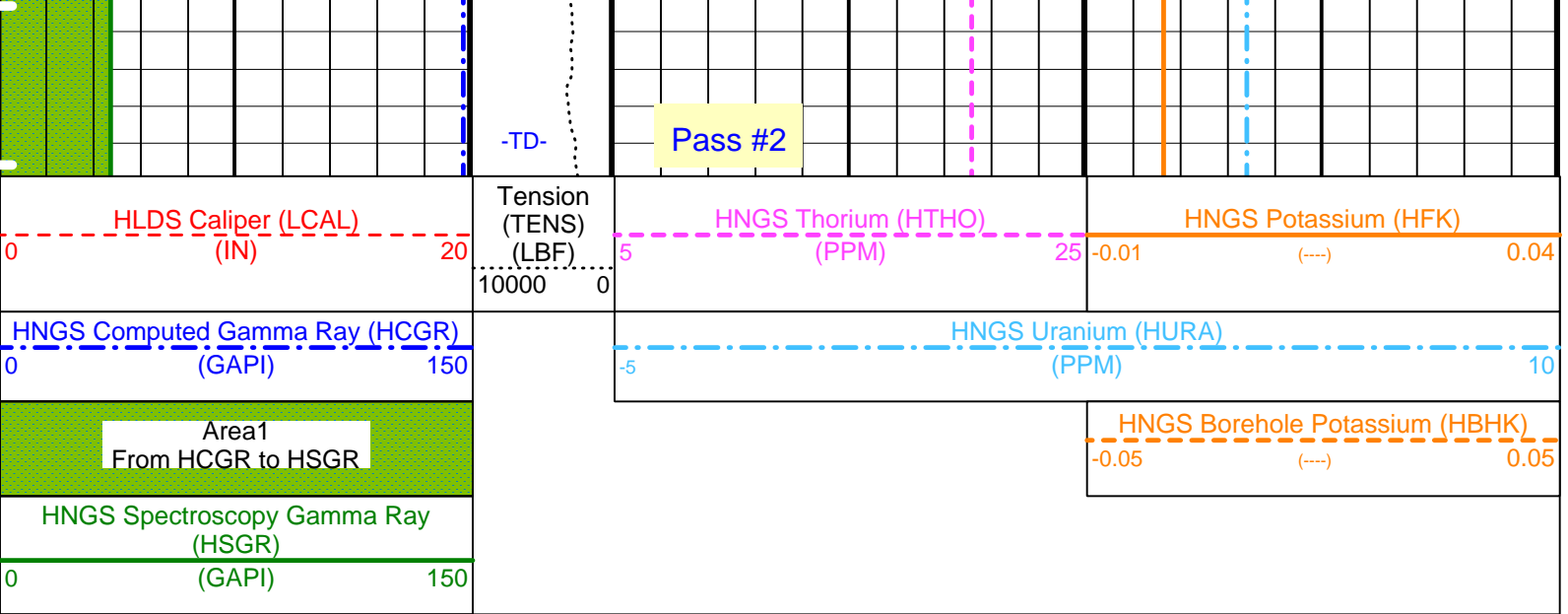


2525

-FR GR-

-Caliper Opened

2550



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	LCAL
APS-BA: Accelerator-Porosity Tool		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
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	LCAL
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.0016781
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	0.982356
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.991526
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.10 G/C3

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 21-Feb-2003 21:50

OP System Version: 10C0-306

MCM

DIT-E	10C0-306	DTA-A	10C0-306
HLDS	SPC-2277-NUCL_b	NPLC-B	OP10-KP1
APS-BA	SPC-2277-NUCL_b	HNGS-BA	SPC-2277-NUCL_b
DTC-H	10C0-306		

Output DLIS Files

DEFAULT	PI_LDL_APS_NGS_008LUP	FN:12	PRODUCER	21-Feb-2003 21:50
REDUCE	PI_LDL_APS_NGS_008LUP	FN:13	PRODUCER	21-Feb-2003 21:50

Output DLIS Files

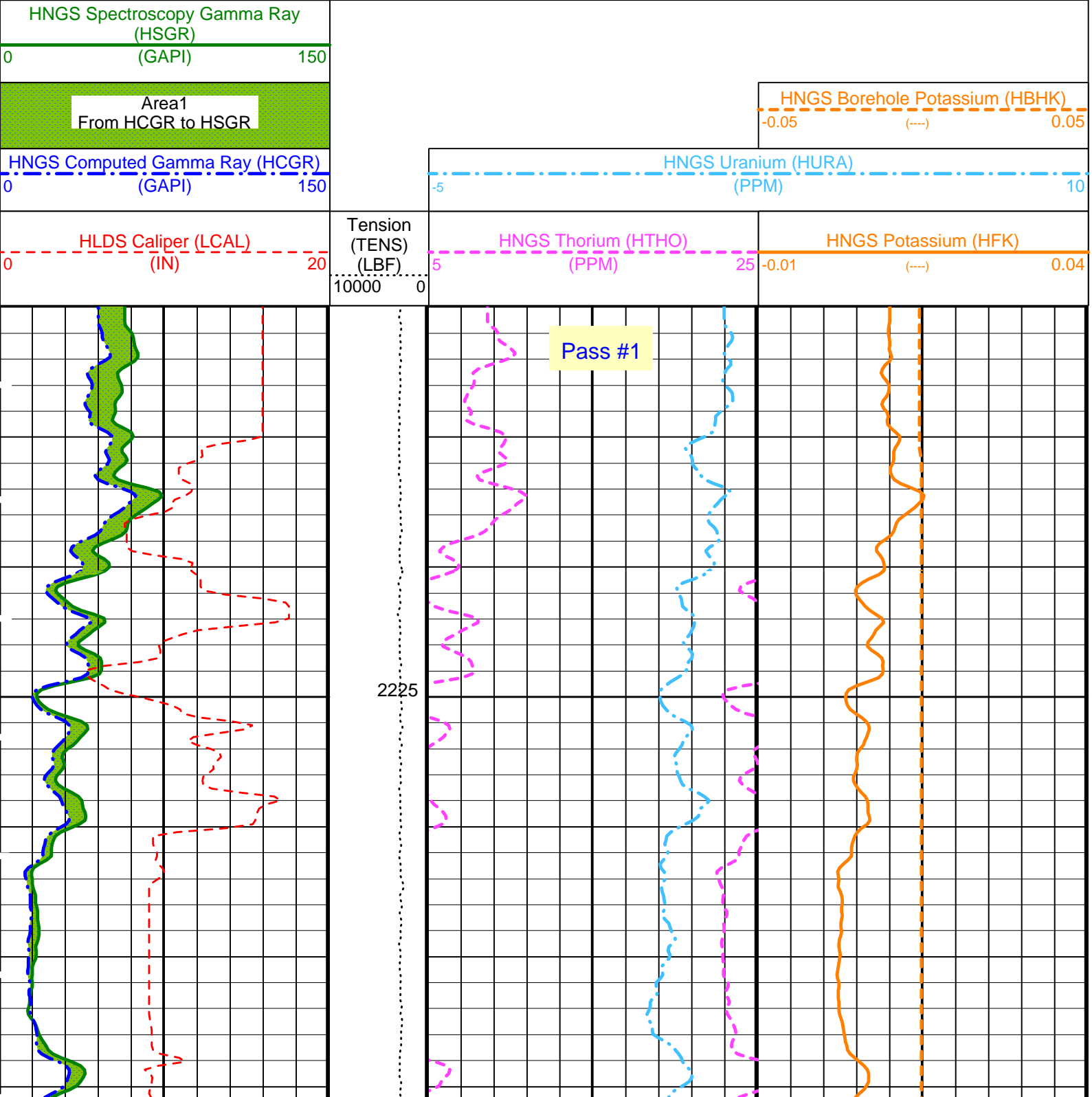
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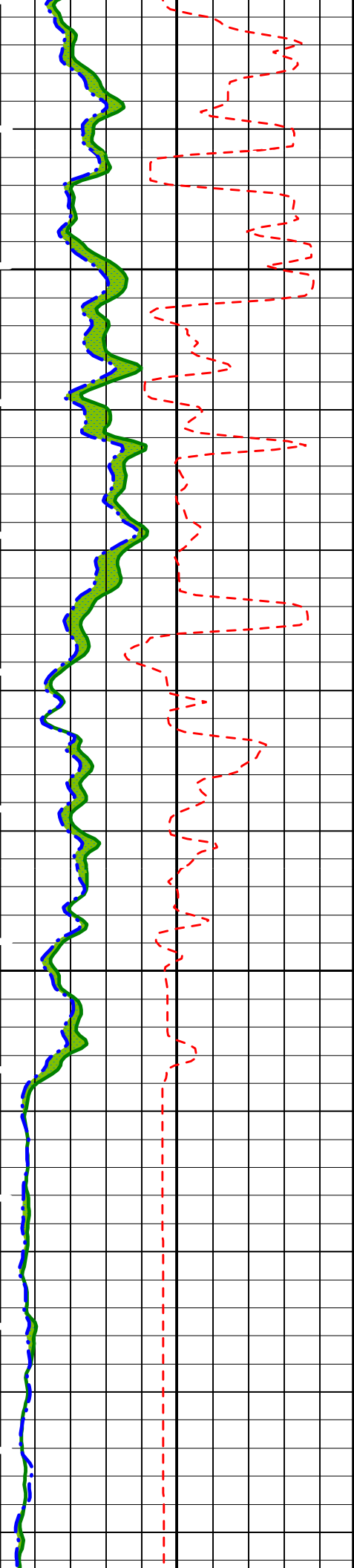
OP System Version: 10C0-306 MCM

DIT-E	10C0-306	DTA-A	10C0-306
HLDS	SPC-2277-NUCL_b	NPLC-B	OP10-KP1
APS-BA	SPC-2277-NUCL_b	HNGS-BA	SPC-2277-NUCL_b
DTC-H	10C0-306		

PIP SUMMARY

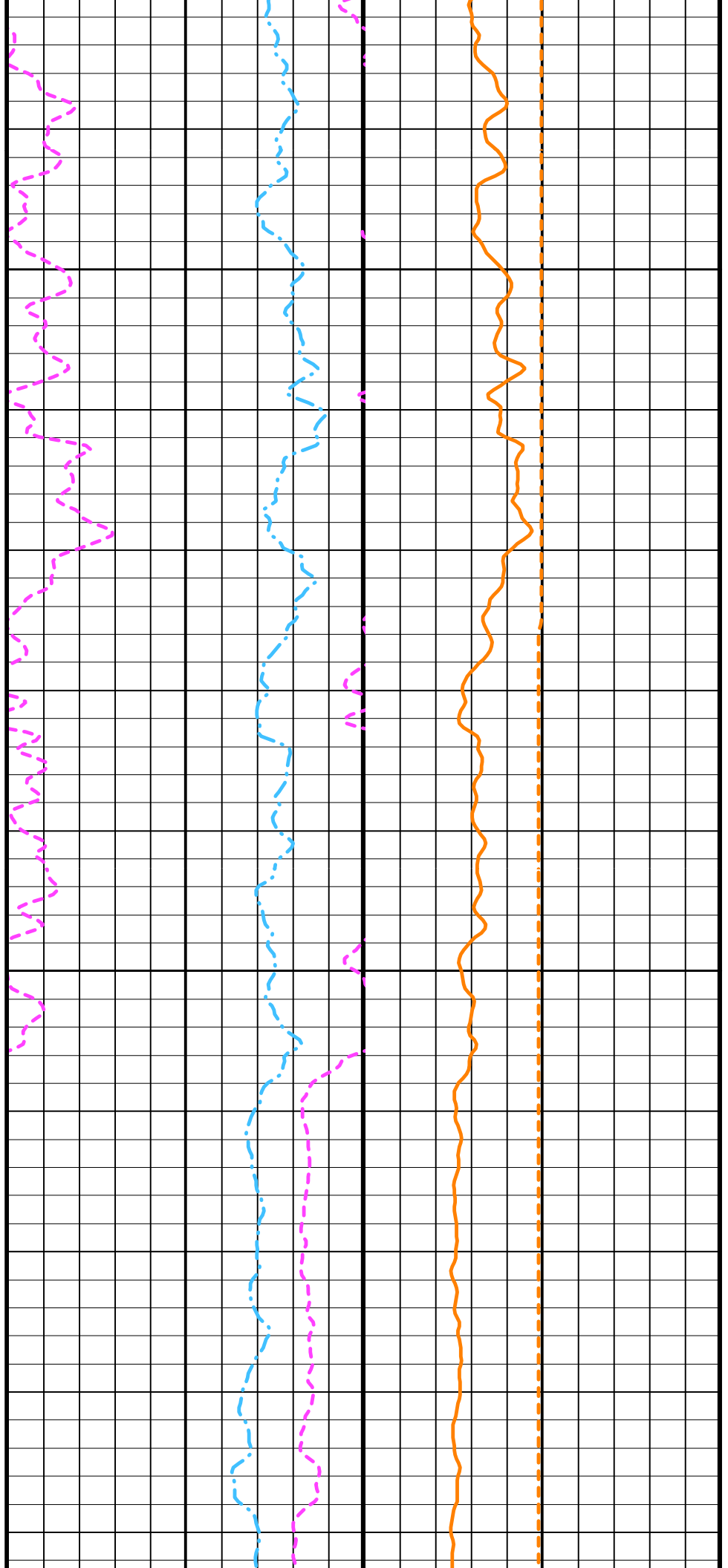
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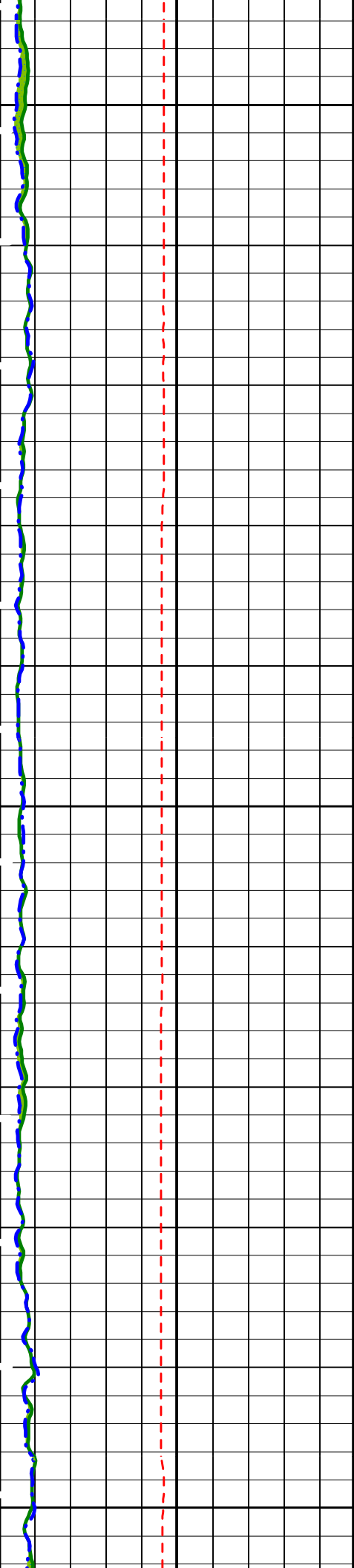




2250

2275

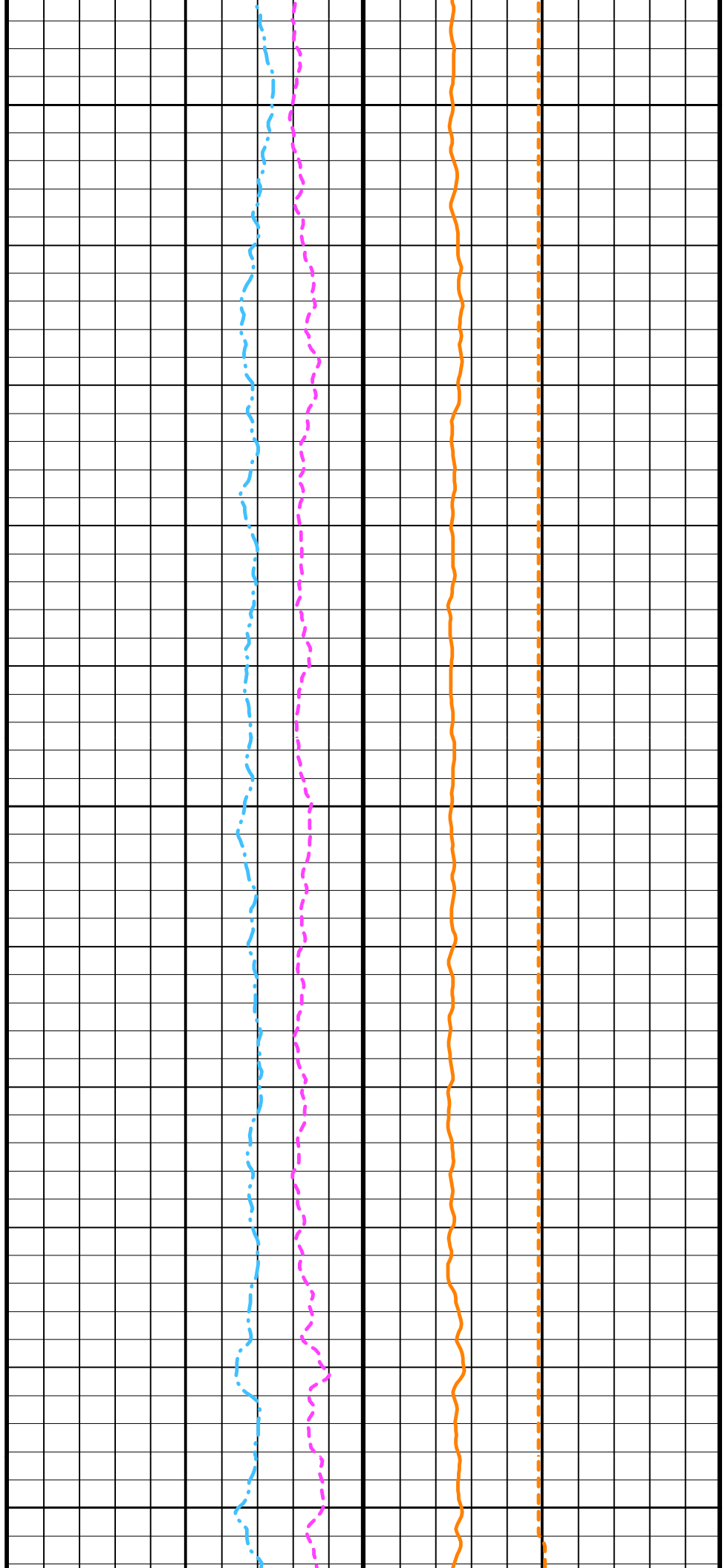


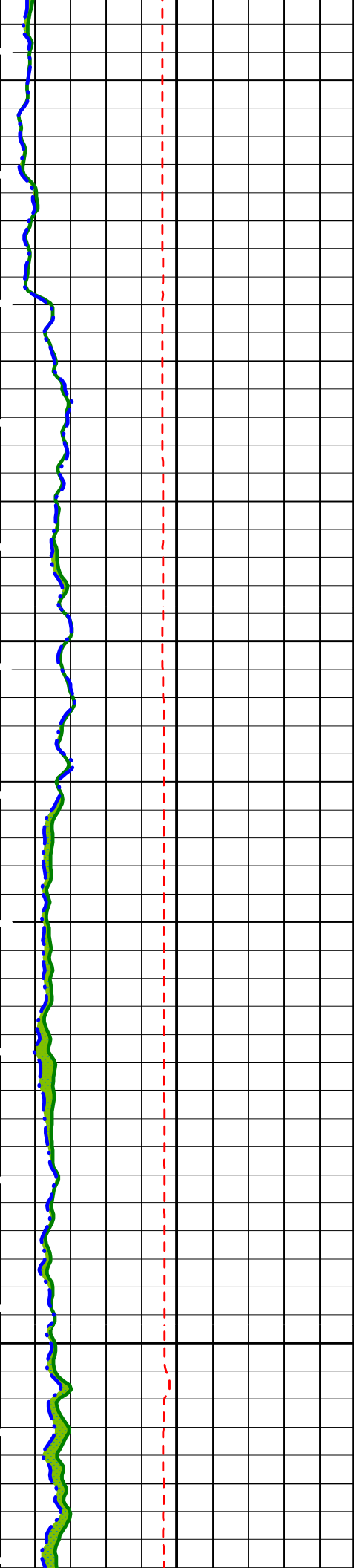


2300

2325

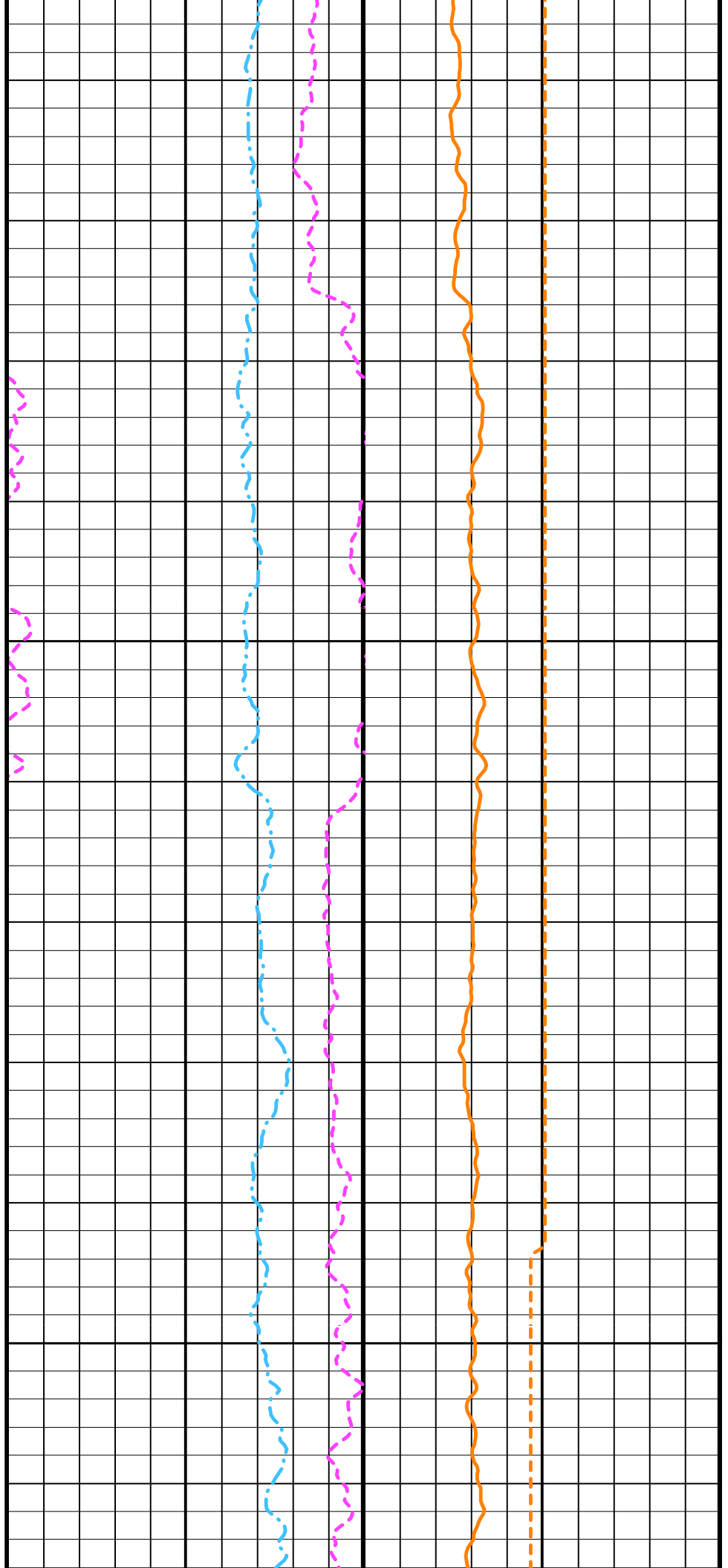
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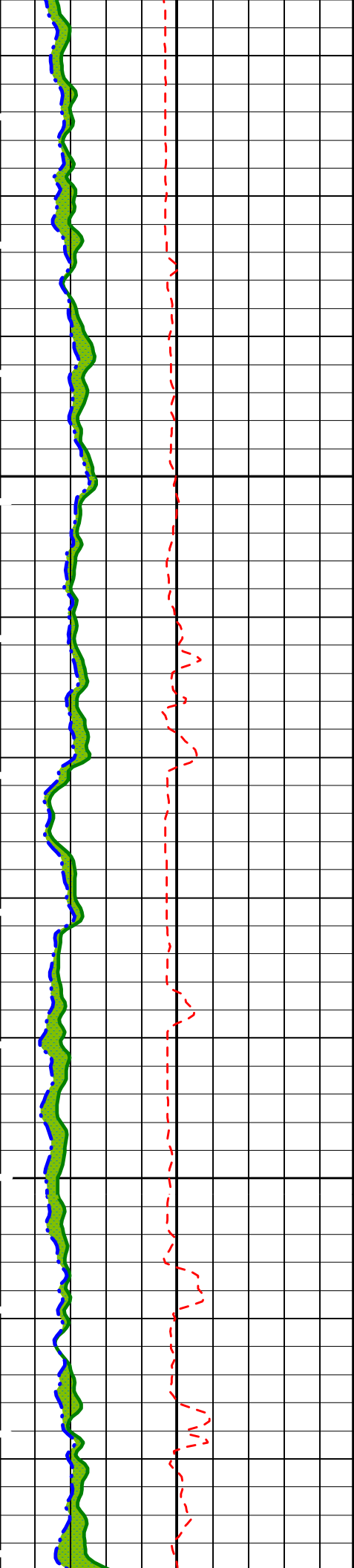




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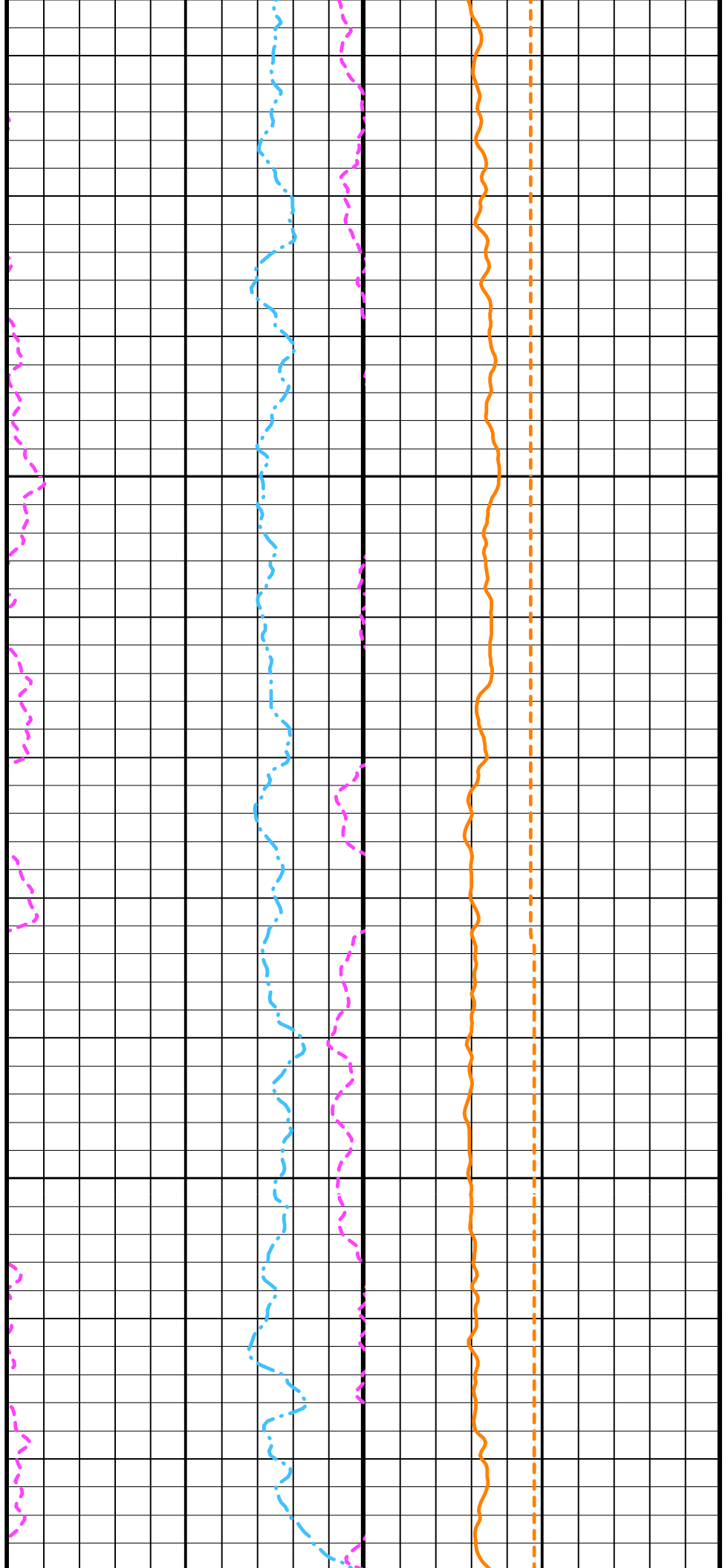
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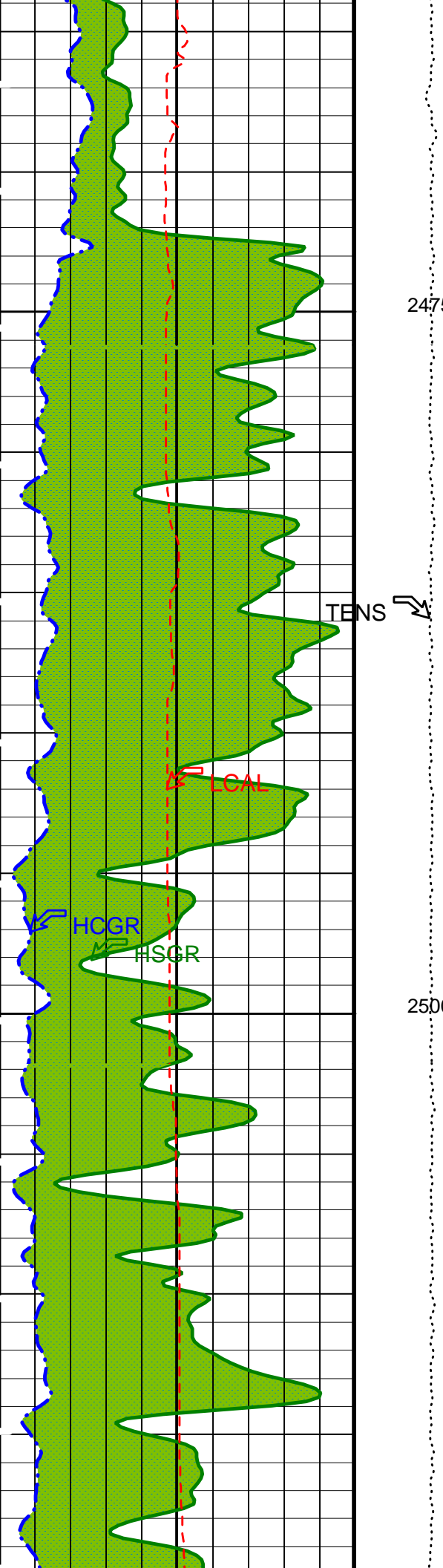




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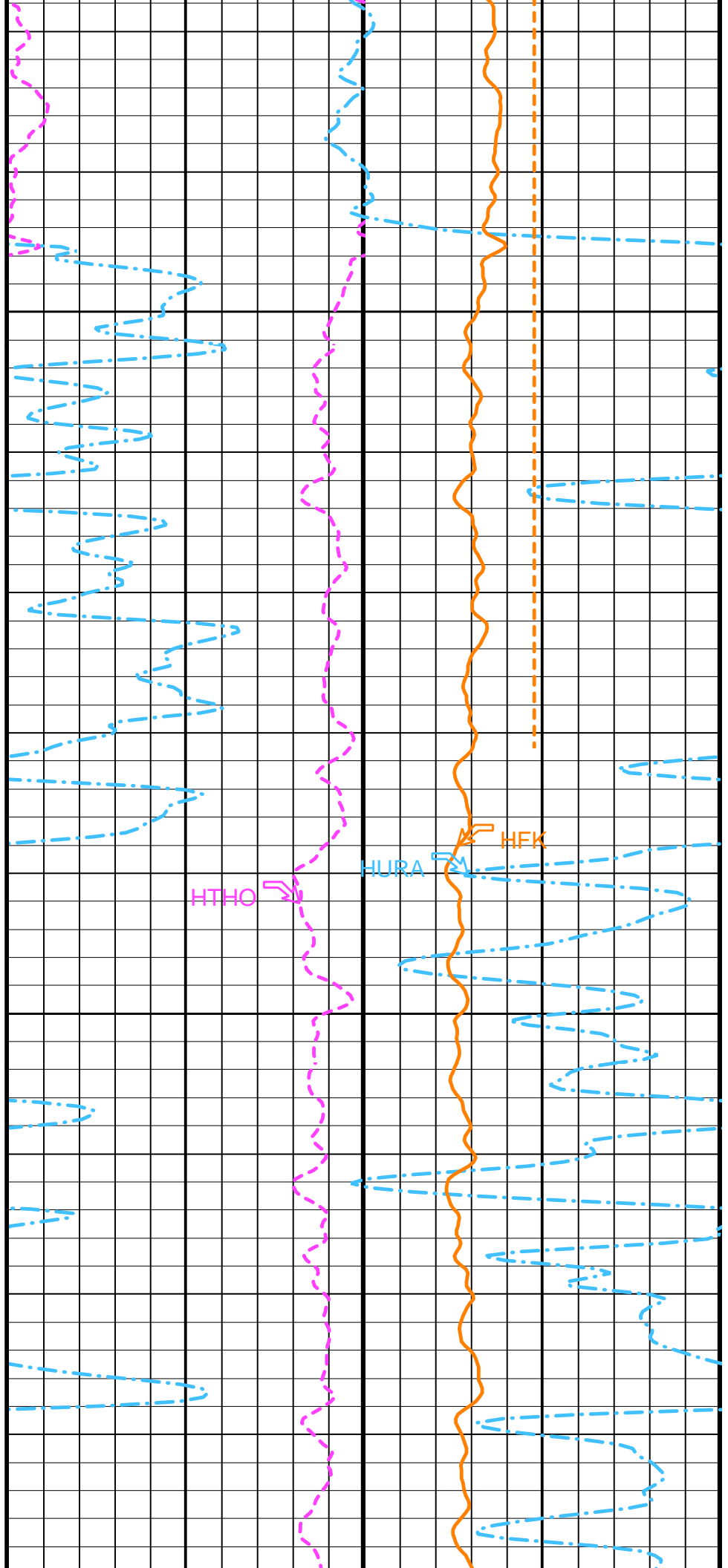
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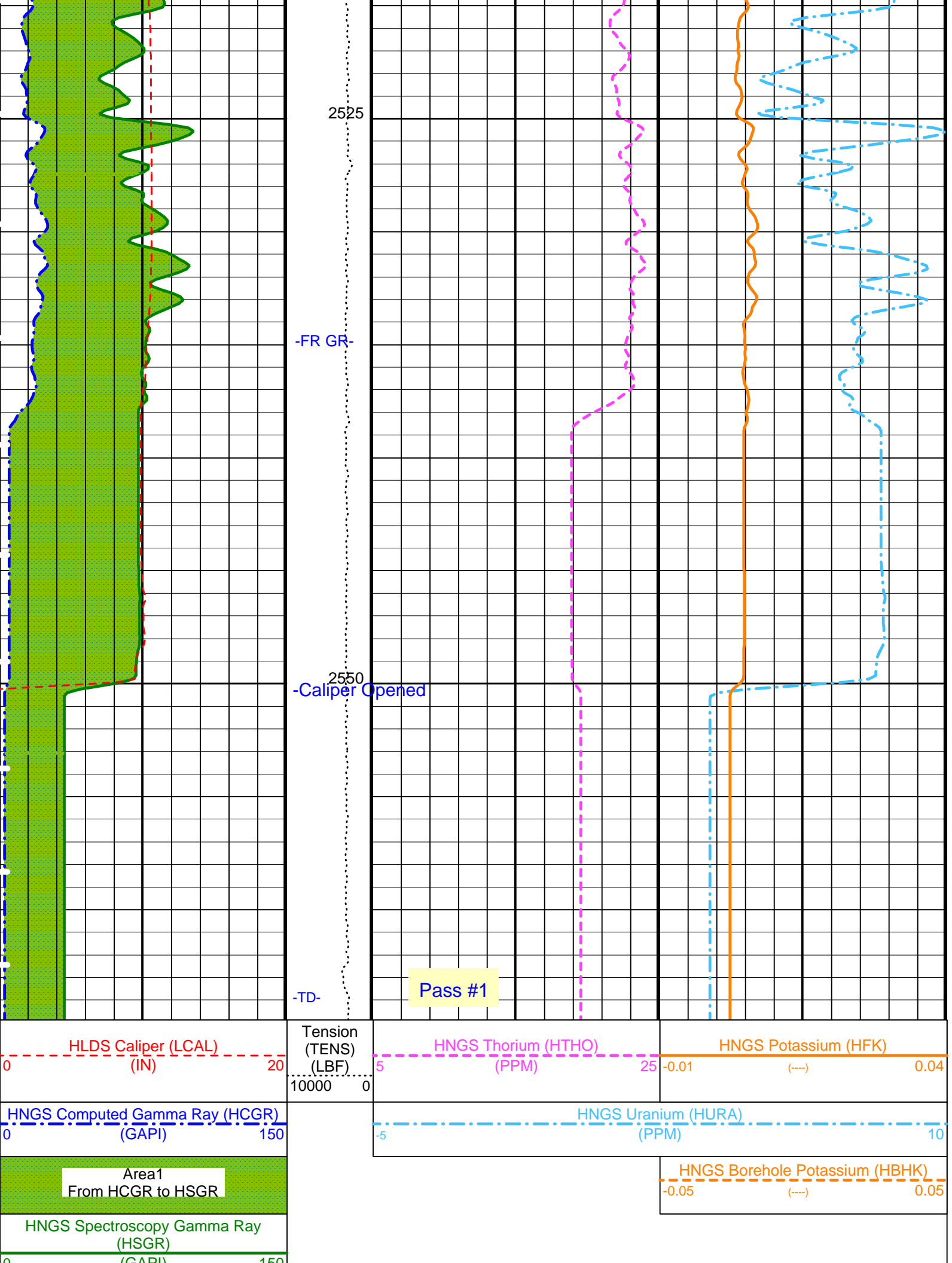




2475

2500





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	LCAL	
APS-BA: Accelerator-Porosity Tool			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0363765	
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	0.989291	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.986123	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.10	G/C3

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 21-Feb-2003 20:16

OP System Version: 10C0-306

MCM

DIT-E	10C0-306	DTA-A	10C0-306
HLDS	SPC-2277-NUCL_b	NPLC-B	OP10-KP1
APS-BA	SPC-2277-NUCL_b	HNGS-BA	SPC-2277-NUCL_b
DTC-H	10C0-306		

Output DLIS Files

DEFAULT	PI_LDL_APS_NGS_007LUP	FN:10	PRODUCER	21-Feb-2003 20:16
REDUCE	PI_LDL_APS_NGS_007LUP	FN:11	PRODUCER	21-Feb-2003 20:16

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement							
Master: 13-Dec-2002 14:00 Before: 15-Jan-2003 11:10 After: 31-Jan-2003 17:05							
SS Cs Resolution Bkg	9.000	8.065	8.135	8.015	-0.1196	1.800	%
LS Cs Resolution Bkg	9.000	8.249	8.108	8.087	-0.02139	1.800	%
LSW1 Background	100.0	86.88	86.46	87.40	0.9397	0.03000	CPS
LSW2 Background	100.0	82.90	80.84	82.04	1.202	0.03000	CPS
LSW3 Background	200.0	182.1	179.4	182.1	2.733	0.03000	CPS
LSW4 Background	250.0	221.9	216.6	221.3	4.695	0.03000	CPS
LSW5 Background	600.0	510.1	505.1	504.3	-0.8560	0.03000	CPS
SSW1 Background	100.0	96.14	98.01	97.37	-0.6340	0.03000	CPS
SSW2 Background	200.0	176.7	177.3	174.6	-2.675	0.03000	CPS
SSW3 Background	500.0	478.2	477.6	476.6	-0.9975	0.03000	CPS
SSW4 Background	270.0	244.1	244.0	243.2	-0.8002	0.03000	CPS

SSW5 Background	200.0	175.7	176.8	1.146	0.03000	CPS
Hostile Litho-Density Sonde Wellsite Calibration - Aluminum Measurement						
Master: 13-Dec-2002 15:15						
LSW1 Aluminum	600.0	580.8	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	822.1	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	985.4	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	489.2	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	453.3	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	2597	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	7087	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	9849	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	4127	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	537.2	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration - Lithology Measurement						
Master: 13-Dec-2002 15:11						
LSW1 Iron	400.0	401.7	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	683.6	N/A	N/A	N/A	CPS
LSW3 Iron	1000	900.2	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	465.6	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	434.8	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1961	N/A	N/A	N/A	CPS
SSW2 Iron	6800	6103	N/A	N/A	N/A	CPS
SSW3 Iron	10800	9305	N/A	N/A	N/A	CPS
SSW4 Iron	4600	3921	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	502.8	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration						
Before: 15-Jan-2003 11:25						
HLDS Caliper Small Ring	15.00	N/A	18.20	N/A	N/A	IN
HLDS Caliper Large Ring	17.50	N/A	20.31	N/A	N/A	IN

Accelerator-Porosity Tool Wellsite Calibration - Detector Background						
Master: 28-Nov-2002 19:52 Before: 21-Feb-2003 17:27 After: 22-Feb-2003 4:27						
Near Det Bkg Cntrate	30.00	32.65	31.99	30.78	-1.202	CPS
Far Det Bkg Cntrate	30.00	31.56	34.38	32.17	-2.210	CPS
Array-1 Det Bkg Cntrate	30.00	29.11	28.81	27.45	-1.365	CPS
Array-2 Det Bkg Cntrate	30.00	29.96	30.42	29.06	-1.358	CPS
Array Therm Det Bkg Cntrate	30.00	32.97	32.24	33.57	1.331	CPS

Accelerator-Porosity Tool Wellsite Calibration - Calibration Ratios						
Master: 28-Nov-2002 19:53						
Near/Far Calibration Ratio	0.9250	0.8869	N/A	N/A	N/A	N/A
Near/Array Calibration Ratio	1.030	1.051	N/A	N/A	N/A	N/A
Near/Array Cal Ratio Up/Down	1.000	1.002	N/A	N/A	N/A	N/A

Accelerator-Porosity Tool Wellsite Calibration - Tank Check						
Master: 28-Nov-2002 19:54						
Array-1 Standoff Porosity	11.75	11.90	N/A	N/A	N/A	PU
Array-2 Standoff Porosity	11.75	11.44	N/A	N/A	N/A	PU
Average Slowing Down Time	6.000	5.850	N/A	N/A	N/A	US
Array-1 SDT Ratio Up/Down	1.000	0.9966	N/A	N/A	N/A	N/A
Array-2 SDT Ratio Up/Down	1.000	0.9889	N/A	N/A	N/A	N/A
Sigma Formation	27.50	27.81	N/A	N/A	N/A	CU

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check						
Master: 15-Jan-2003 16:08 Before: 15-Jan-2003 16:17 After: 31-Jan-2003 17:06						
Na 511 Peak Loc	40.00	40.59	40.72	40.59	-0.1351	1.000
Na 511 Peak Res	15.50	17.05	17.42	16.56	-0.8642	2.000
High Voltage	1150	1212	1212	1214	1.855	30.00
Na 1785 Peak Loc	142.6	145.6	145.3	145.7	0.3604	7.000
Na 1785 Peak Res	8.500	9.037	9.666	8.507	-1.159	2.000
Temperature	15.50	32.69	32.84	29.39	-3.458	N/A
Na Count Rate	45.00	44.80	43.98	42.72	-1.260	8.000

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check						
Master: 15-Jan-2003 16:08 Before: 15-Jan-2003 16:17 After: 31-Jan-2003 17:06						
Na 511 Peak Loc	40.00	40.55	40.57	40.60	0.02974	1.000
Na 511 Peak Res	15.50	16.60	16.91	16.65	-0.2540	2.000
High Voltage	1150	1239	1239	1242	2.482	30.00
Na 1785 Peak Loc	142.6	144.7	144.4	144.6	0.2119	7.000
Na 1785 Peak Res	8.500	9.925	9.708	9.652	-0.05593	2.000
Temperature	15.50	32.80	32.89	29.19	-3.703	N/A
Na Count Rate	45.00	44.45	43.98	42.38	-1.601	8.000

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2						
Master: 15-Jan-2003 16:08 Before: 15-Jan-2003 16:17 After: 31-Jan-2003 17:06						
Coincidence Count Rate Ratio	1.000	1.008	1.0000	1.006	0.006140	0.05000

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration						
Master: 15-Jan-2003 16:01						

Master: 15-Jan-2003 16:01

Na 511 Peak Set Point	40.00	41.00	--	--	--	--
Th Peak Loc	209.6	209.3	--	--	--	--
Th Peak Res	7.000	8.207	--	--	--	--
Background Count Rate	142.5	23.15	--	--	--	--
Gain Ratio	1.000	0.9810	--	--	--	--

%
CPS

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration

Master: 15-Jan-2003 16:01

Na 511 Peak Set Point	40.00	41.00	--	--	--	--
Th Peak Loc	209.6	209.3	--	--	--	--
Th Peak Res	7.000	7.848	--	--	--	--
Background Count Rate	142.5	21.80	--	--	--	--
Gain Ratio	1.000	0.9821	--	--	--	--

%
CPS

Accelerator-Porosity Tool - Detector Plateau Settings :

Near Detector Plateau Setting	1728 V
Far Detector Plateau Setting	2073 V
Array Detector Plateau Setting	1958 V

Dual Induction - E / Equipment Identification

Primary Equipment:		
Dual Induction Sonde	DIS - HB	442
Dual Induction Cartridge	DIC - EB	438
Auxiliary Equipment:		
Mass Isolated Housing	MIH - ZA	417

Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:		
Hostile Litho Density Sonde	HLDS - D	45
Hostile Litho Density High Voltage	HLDV - D	35
Gamma Source Radioactive	GSR - Z	1846
Auxiliary Equipment:		
Hostile Litho Density Pad	HLDP - C	45
Hostile Litho Density High Voltage Housi	HEH - H	35

Nuclear Porosity Lithology Cartridge - B / Equipment Identification

Primary Equipment:		
NPLC Cartridge	NPLC - B	79
Auxiliary Equipment:		
NPLC Housing	NPH - B	82

Accelerator-Porosity Tool / Equipment Identification

Primary Equipment:		
Accelerator-Porosity Sonde	APS - BA	22
APS Minitron	MNTR - F	4185
Auxiliary Equipment:		
Accelerator-Porosity Housing	APH - AC	22
APS Calibration Water Tank	SFT - 178	4722
APS Aluminium Calibrator Sleeve	SFT - 281	24

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:		
HNGS Sonde	HNGS - BA	77

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		40.59	Master		17.05	Master		1212
Before		40.72	Before		17.42	Before		1212
After		40.59	After		16.56	After		1214
	37.50 (Minimum) 40.00 (Nominal) 42.50 (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		145.6	Master		9.037	Master		32.69
Before		145.3	Before		9.666	Before		32.84
After		145.7	After		8.507	After		29.39
	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		44.80						
Before		43.98						
After		42.72						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: 15-Jan-2003 16:08 Before: 15-Jan-2003 16:17 After: 31-Jan-2003 17:06

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		40.55	Master		16.60	Master		1239
Before		40.57	Before		16.91	Before		1239
After		40.60	After		16.65	After		1242
	37.50 (Minimum) 40.00 (Nominal) 42.50 (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		144.7	Master		9.925	Master		32.80
Before		144.4	Before		9.708	Before		32.89
After		144.6	After		9.652	After		29.19
	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		44.45						
Before		43.98						
After		42.38						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: 15-Jan-2003 16:08 Before: 15-Jan-2003 16:17 After: 31-Jan-2003 17:06

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value
Master		1.008
Before		1.0000
After		1.006
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	

Master: 15-Jan-2003 16:08

Before: 15-Jan-2003 16:17

Hostile Natural Gamma Ray Sonde Master Calibration									
Detector 1 Calibration									
Phase	Na 511 Peak Set Point			Value	Phase	Th Peak Loc			Value
Master				41.00	Master				209.3
	38.00 (Minimum)	40.00 (Nominal)	42.00 (Maximum)			201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)	
Phase	Background Count Rate CPS			Value	Phase	Gain Ratio			Value
Master				23.15	Master				0.9810
	20.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)			0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)	
Master: 15-Jan-2003 16:01									

Hostile Natural Gamma Ray Sonde Master Calibration									
Detector 2 Calibration									
Phase	Na 511 Peak Set Point			Value	Phase	Th Peak Loc			Value
Master				41.00	Master				209.3
	38.00 (Minimum)	40.00 (Nominal)	42.00 (Maximum)			201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)	
Phase	Background Count Rate CPS			Value	Phase	Gain Ratio			Value
Master				21.80	Master				0.9821
	20.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)			0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)	
Master: 15-Jan-2003 16:01									

Company: Lamont Doherty

Schlumberger

Well: ODP Leg 207 Site 1261B

Field: Demarara Rise

Country: Venezuela

Ocean: Atlantic

Natural Gamma Ray
Spectroscopy