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OTHER SERVICES1
 OS1: GHMT
 OS2: DITE/HLDS/APS
 OS3:
 OS4:
 OS5:

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

REMARKS: RUN NUMBER 1
 Hole cored with APC/XCB.
 Sea Floor at 2475.5 MBRF.
 Log presented in Meters below rig floww (MBRF).
 Lamont Temperature Tool (TAP) run on DITE/HLDS/APS/HNGS only.
 Toolstring- DITE/HLDS/APS/HNGS
 Wireline Heave Compensator was used on all descents.
 Sepiolite mud was used to displace the hole.
 Drillers TD- 3357.7 MBRF.
 Loggers TD- 3351 MBRF.
 Drill Pipe Logger- 2573 MBRF.
 The Caliper was closed @ 3216-3194MBRF & 2906-2895MBRF due to overpull.
 These areas show decreased GR curves due to Borehole correction from Caliper.
 GR spikes at 2464-2461 & 2495 MBRF are from magnetic Pipe collars.
 Hole rugosity will effect pad type tools, HLDS, APS.

REMARKS: RUN NUMBER 2




RUN 1		
SERVICE ORDER #:		
PROGRAM VERSION:	9C1-303	
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

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

EQUIPMENT DESCRIPTION

RUN 1
SURFACE EQUIPMENT
 SFT-281 24
 SFT-178 4722
 GSR-U 135
 WITM (DTS)-A

DOWNHOLE EQUIPMENT

LEH-QT			32.03
LEH-QT			
DTC-H	CTEM		30.86
ECH-KC 8253	TelStatus		31.14
	ToolStatu		30.23
HNGS-BA	Upper_1		29.53
HNGS-BA 27	Lower_2		30.23
			29.32

RUN 2

HNSH-BA 27

ILE-D
ILE-D 25

27.73

APS-BA
APS-BA 22
APH-AC 22
MNTR-F 4185

Status
Minitron
Near TD
Near Arr
Far Arr
Far
Far TD

25.29

22.85
22.77
22.64
22.54

NPLC-B
NPLC-B 82
NPH-B 82

Status

20.12

21.35

HLDS
GSR-Z 1846
HLDV-D 35
HLDS-D 35
HEH-H 35
HLDP-C 12

Caliper
SS LS Status

14.85

18.90

DTA-A
ECH-KE 8261

14.08

DIT-E RED
DIC-EB 171
MIH-ZA 174
DIS-HB 200

12.87

SP
Deep Ind
Aux Meas SFL
Med Ind

6.49
6.24
5.32
5.17

Status

3.34

AH-TAP
AH-TAP

3.34

DF
Tension HV

0.00

TOOL ZERO

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

Output DLIS Files

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BACKUP	DITE .008	FN:8	PRODUCER	23-Mar-2000 14:13

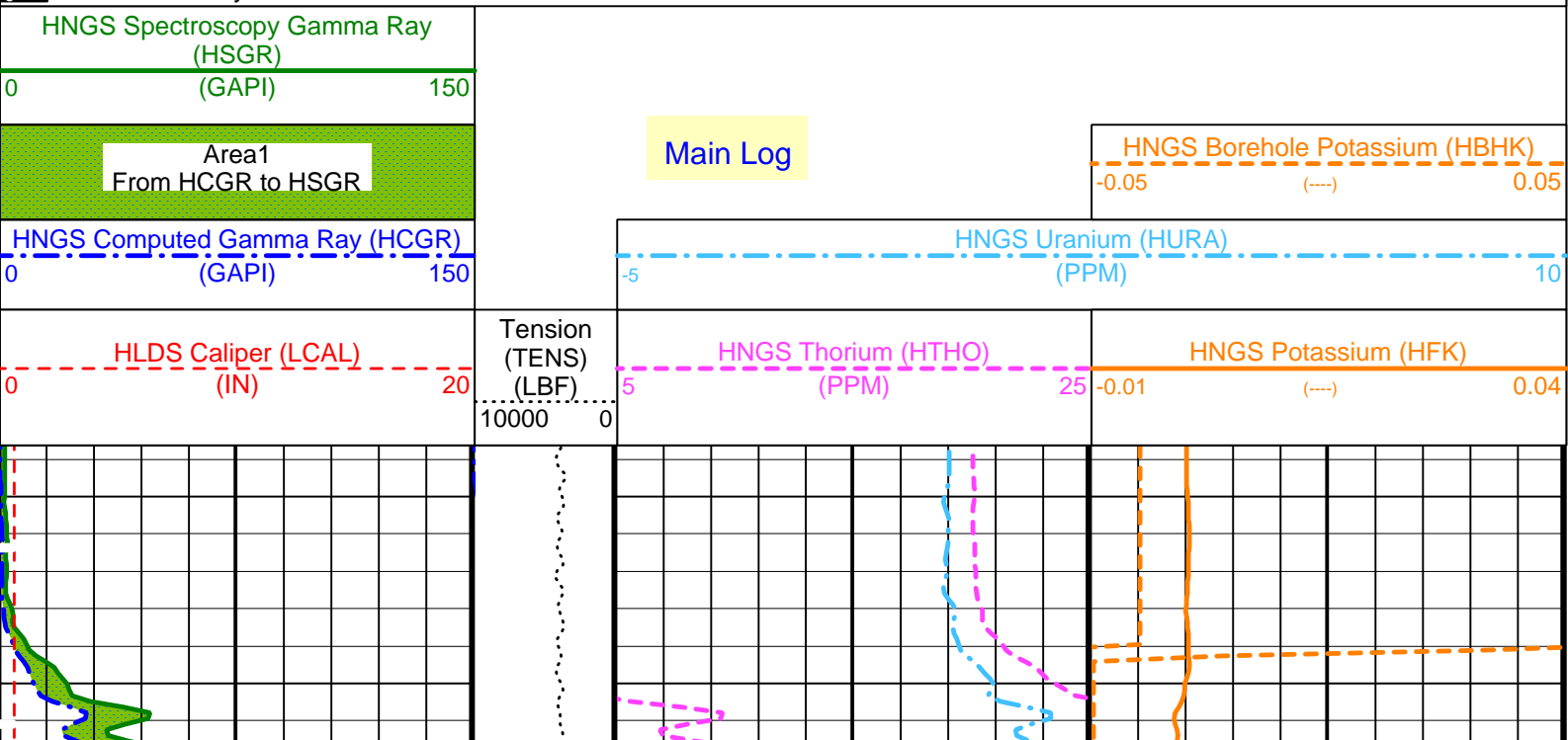
OP System Version: 9C1-303

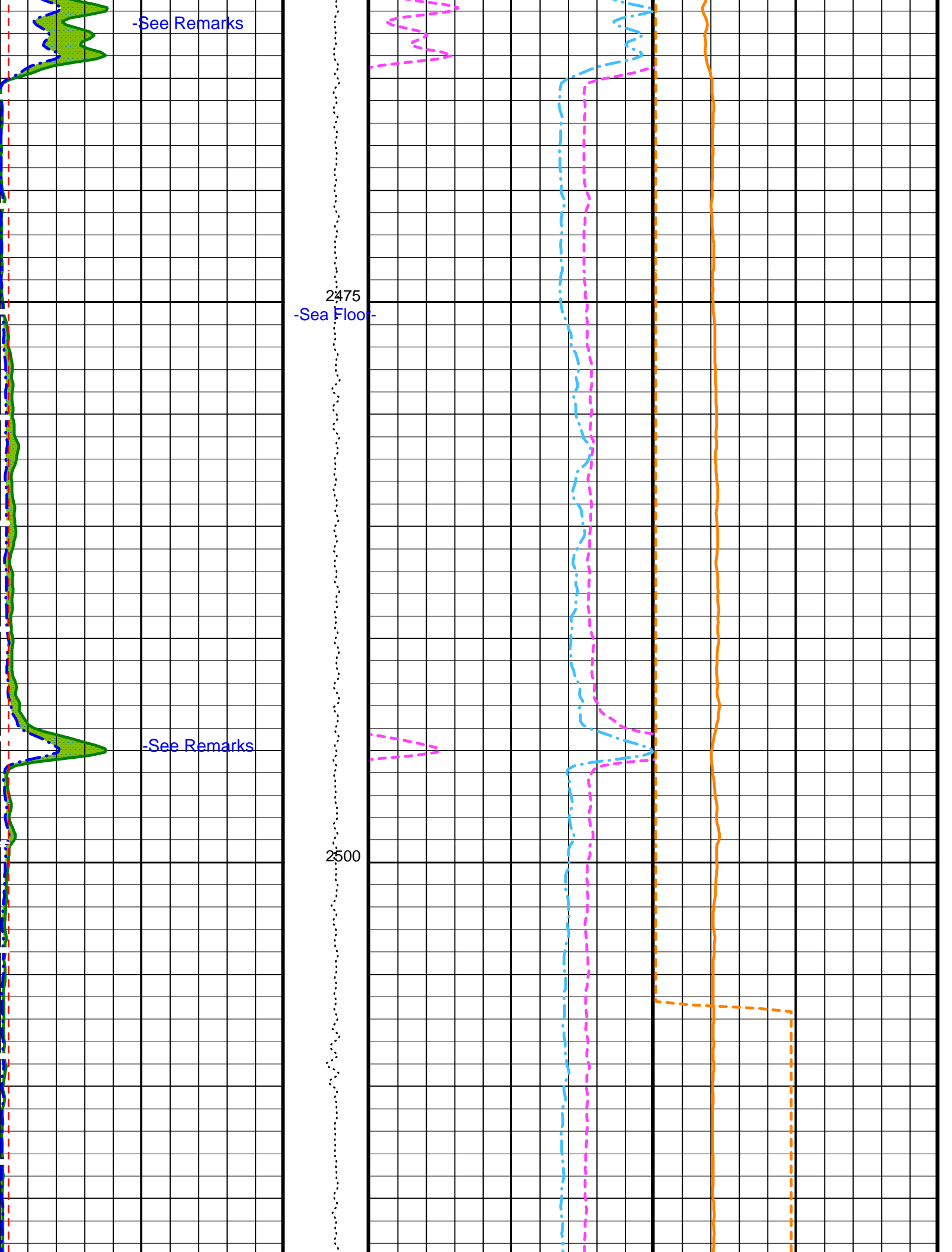
MCM

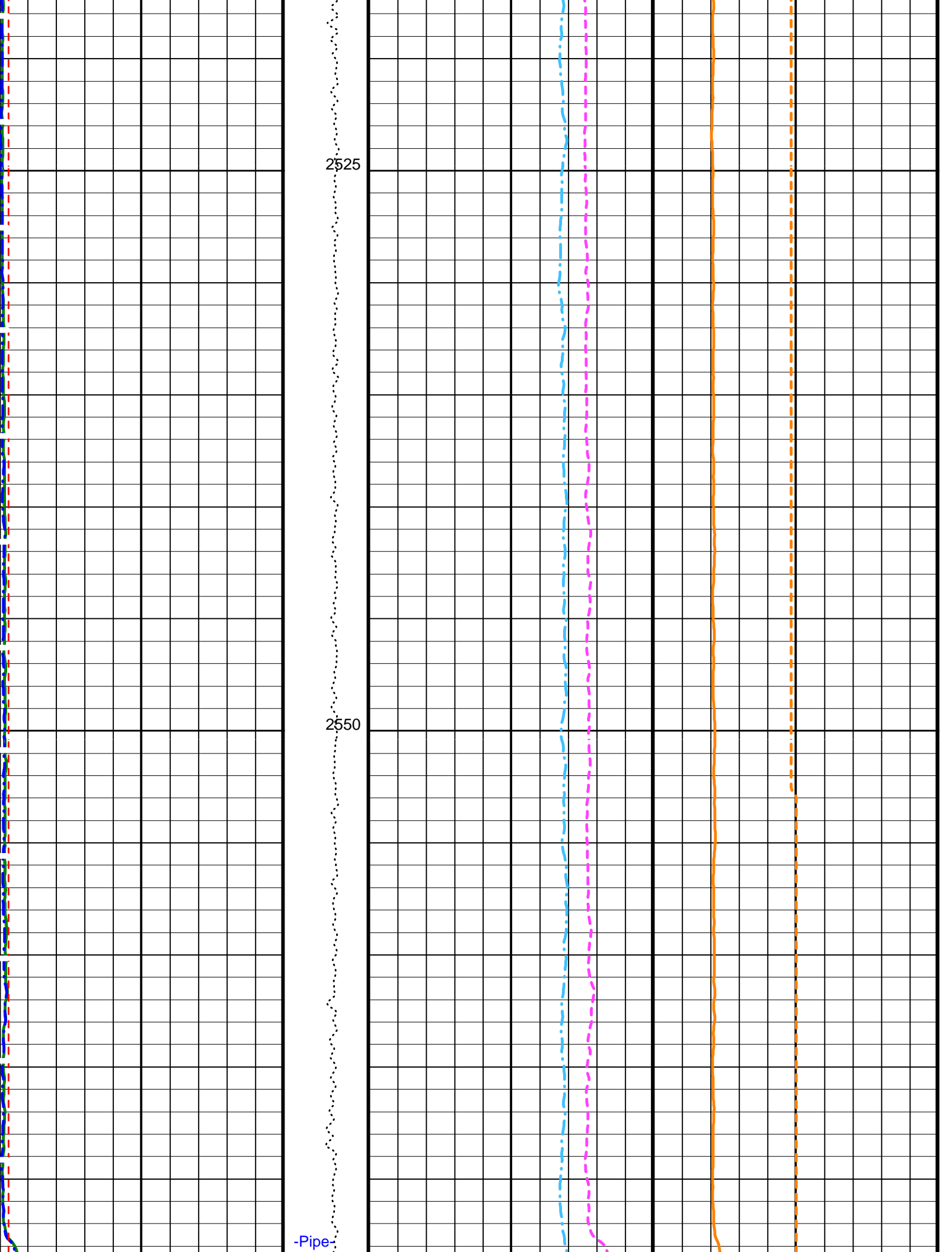
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HLDS	9C1-303	NPLC-B	9C1-303
APS-BA	9C1-303	HNGS-BA	9C1-303
DTC-H	9C1-303		

PIP SUMMARY

Time Mark Every 60 S



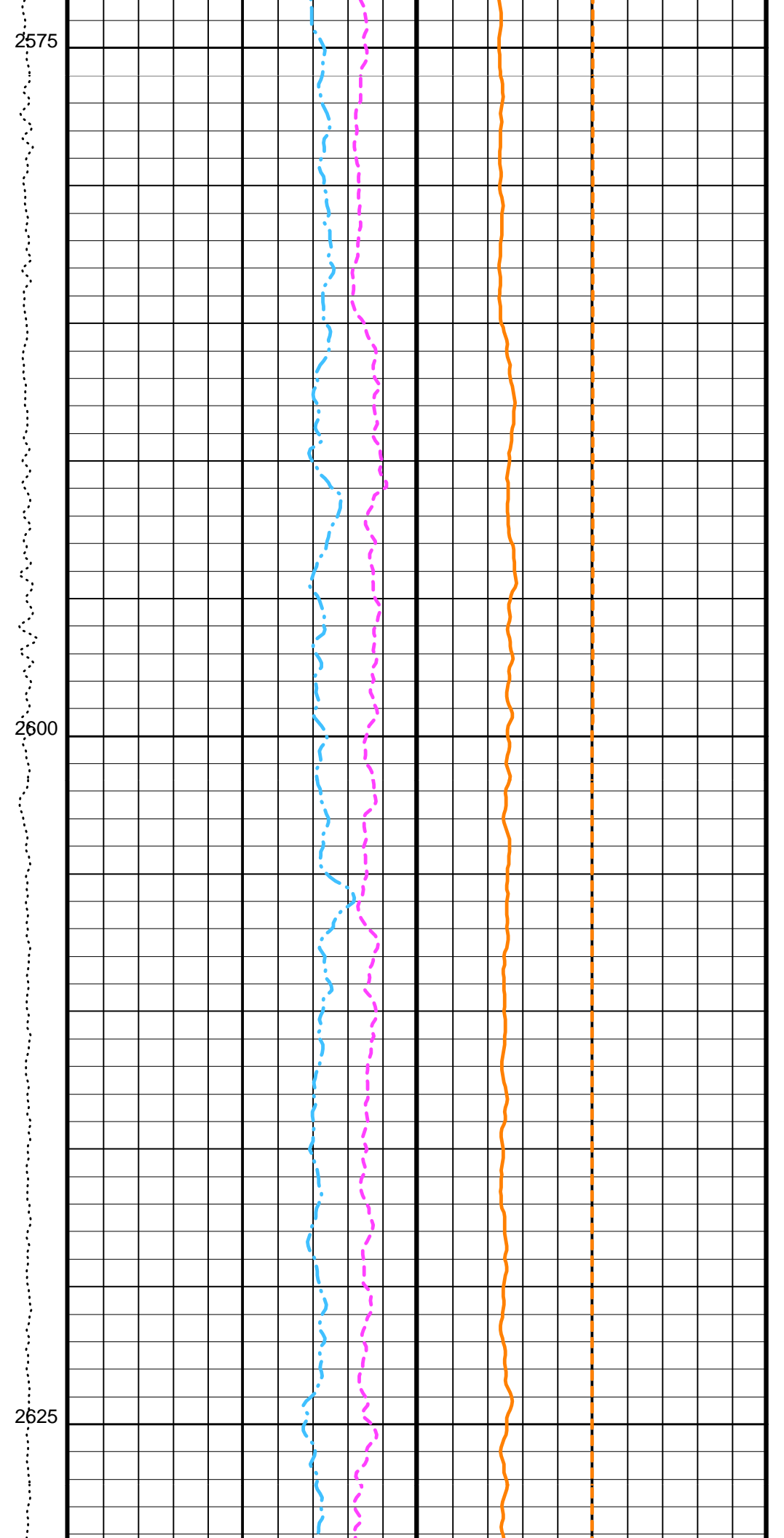
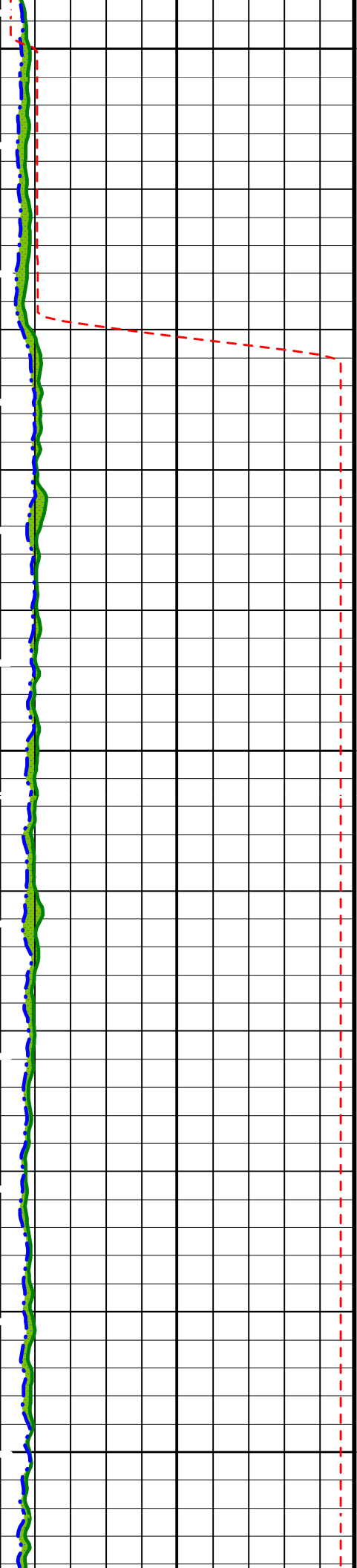


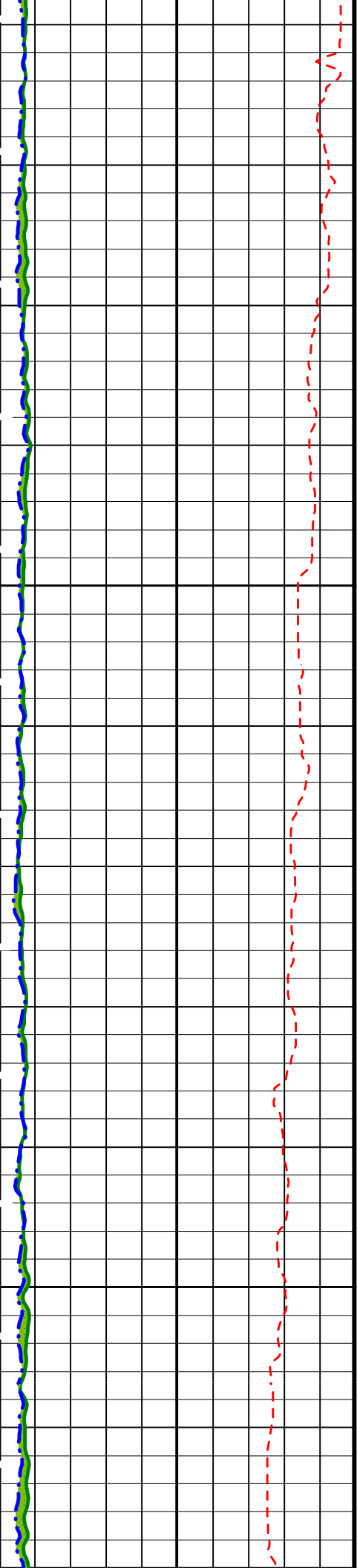


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2550

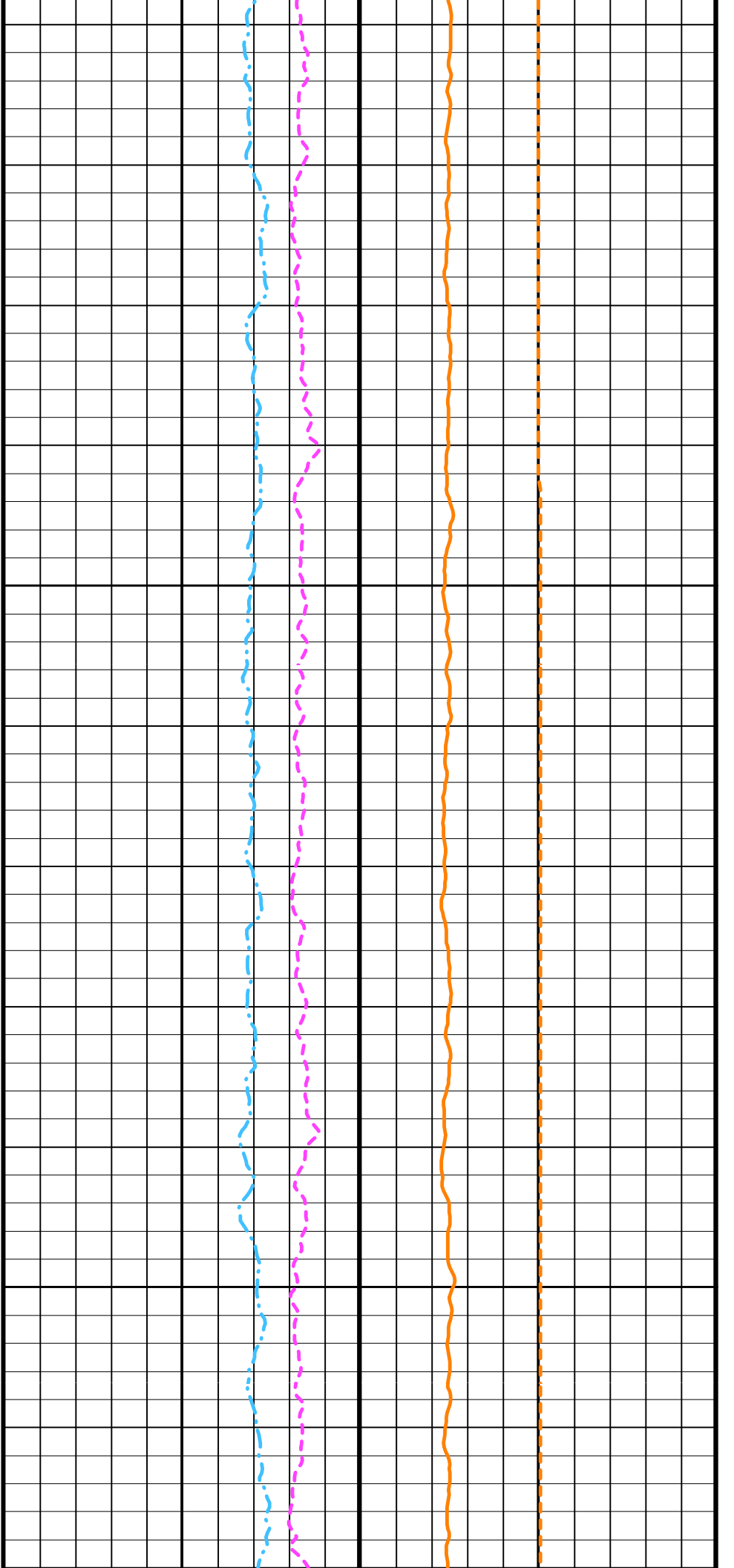
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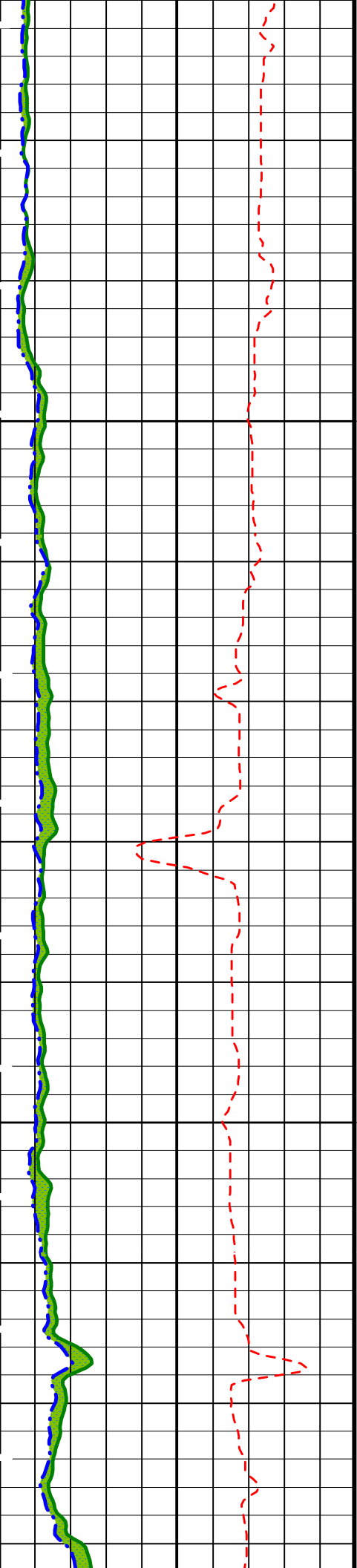




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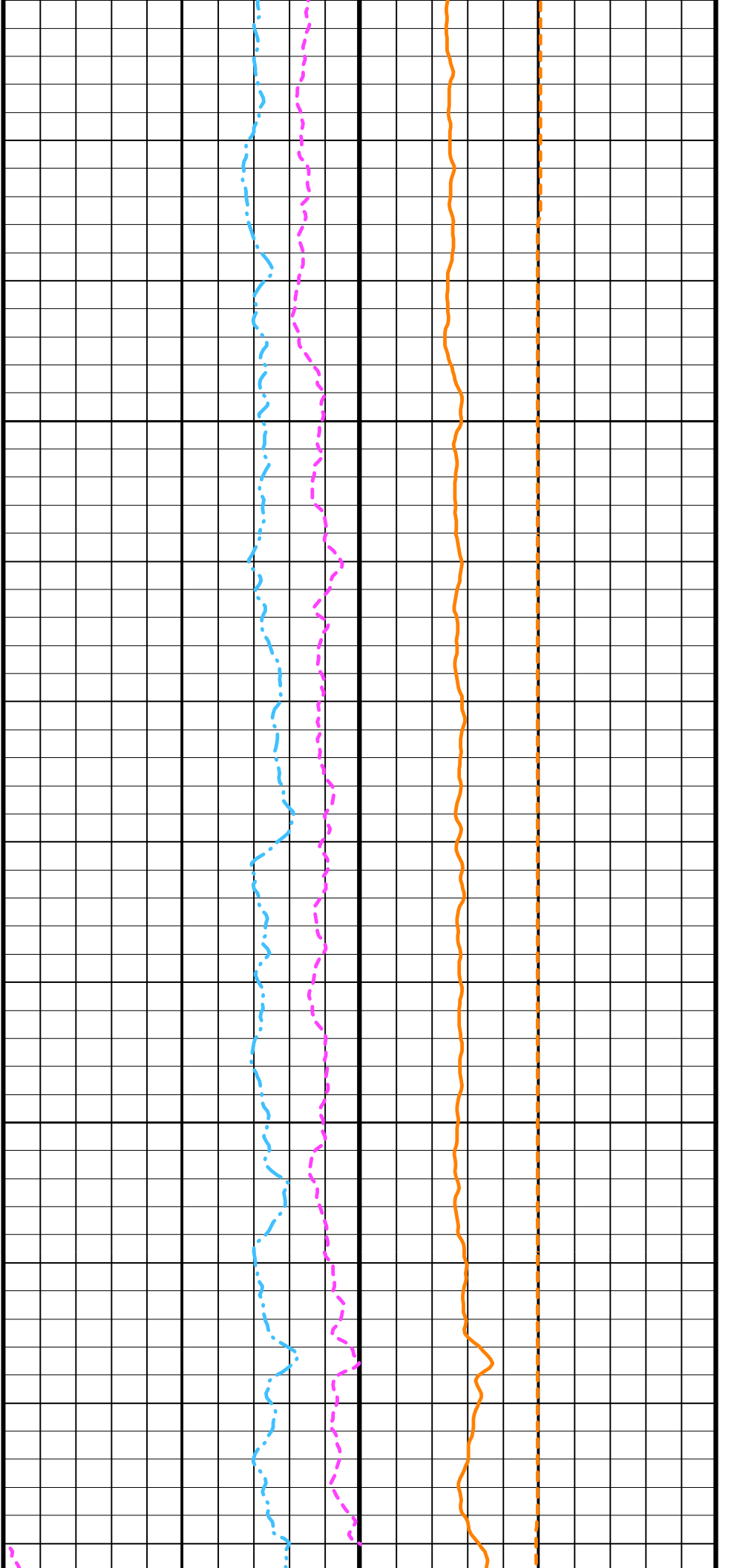
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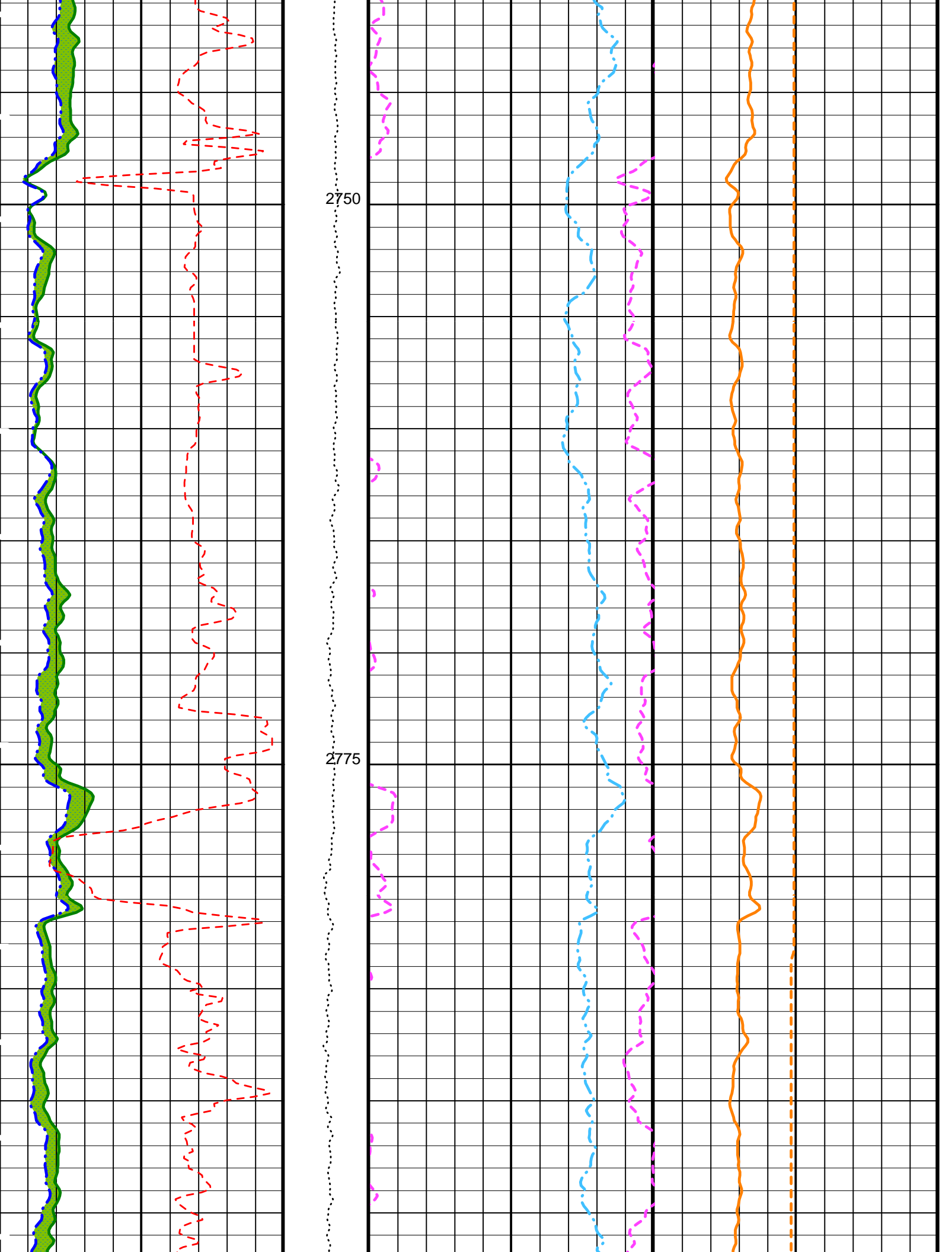


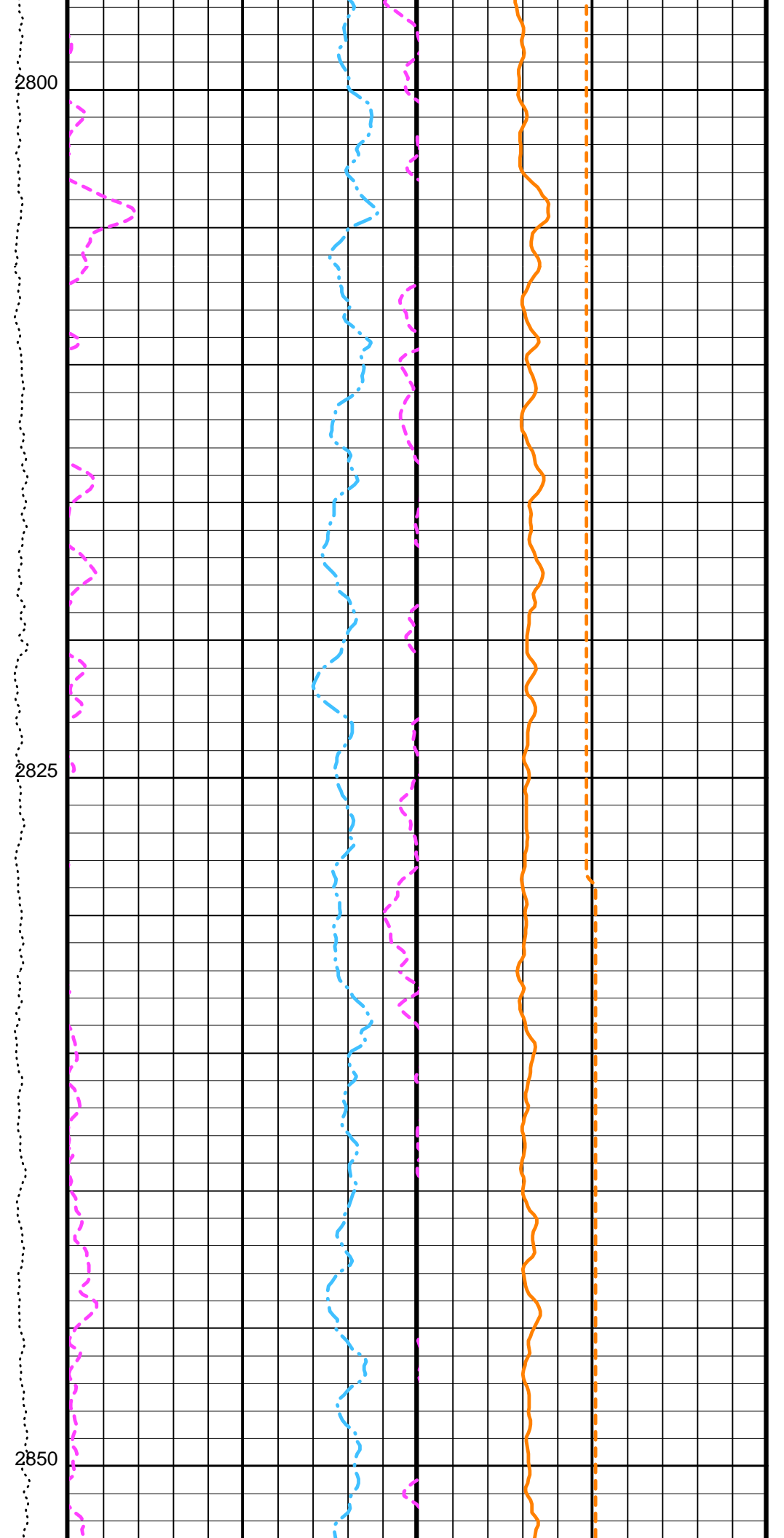
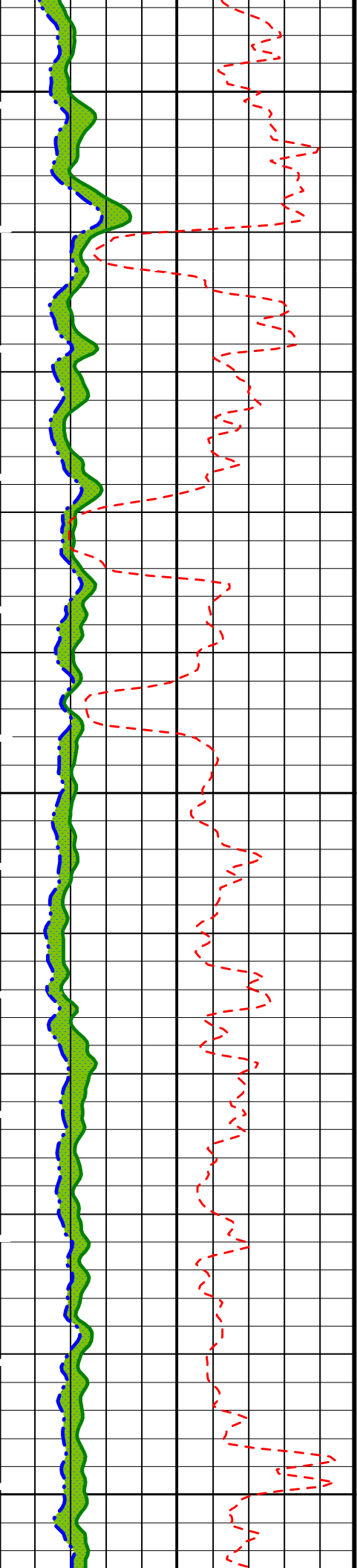


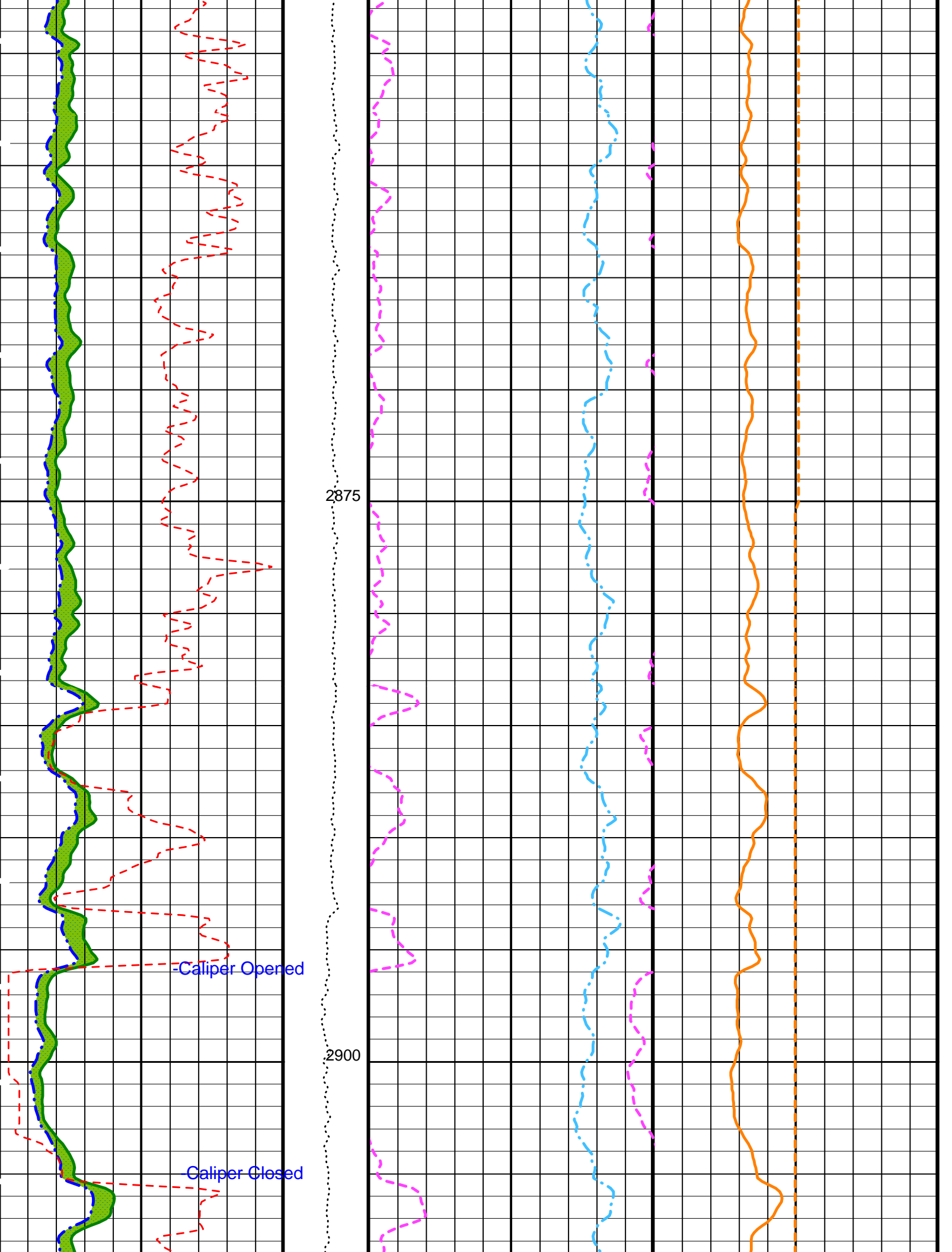
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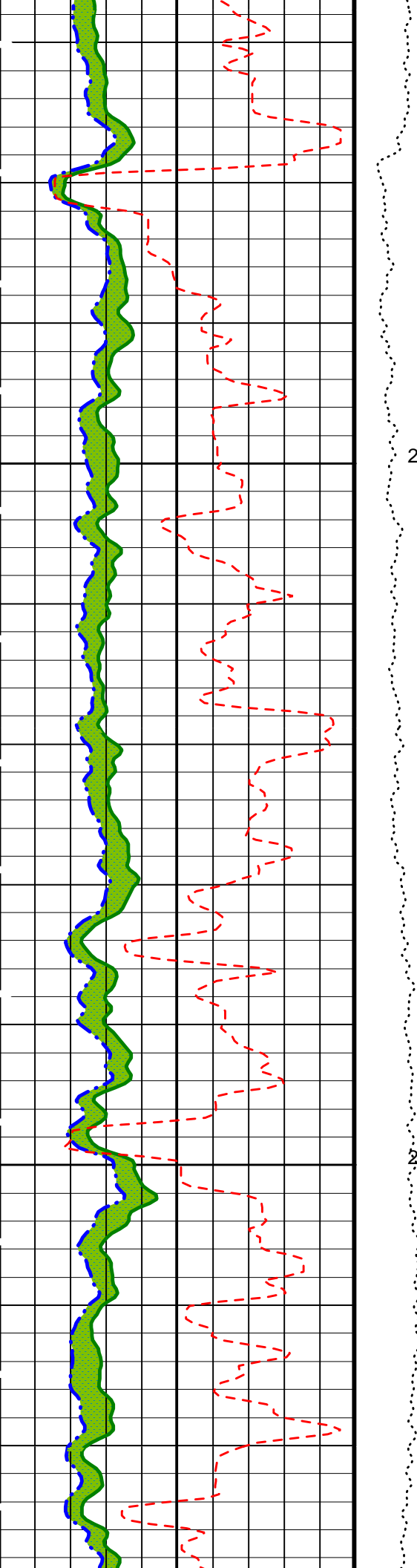
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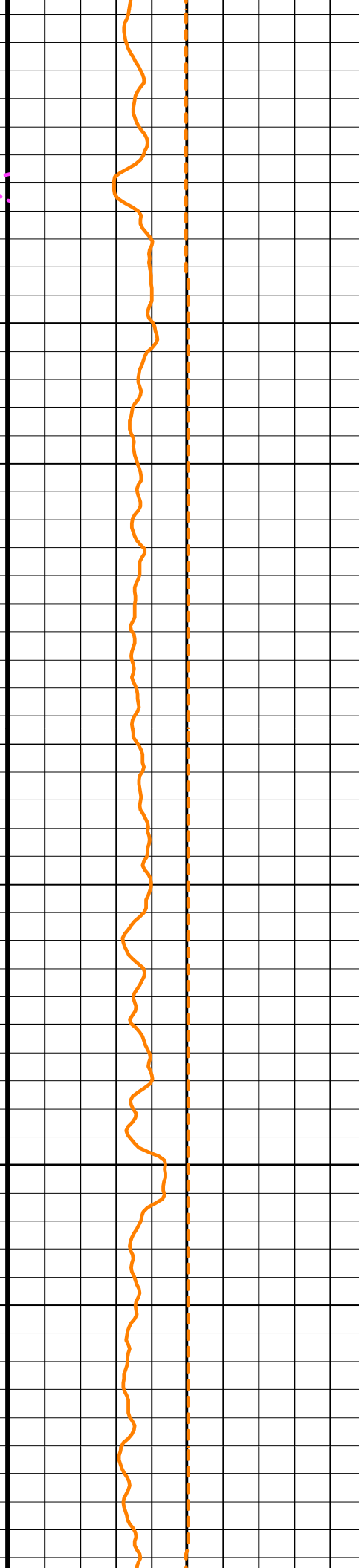
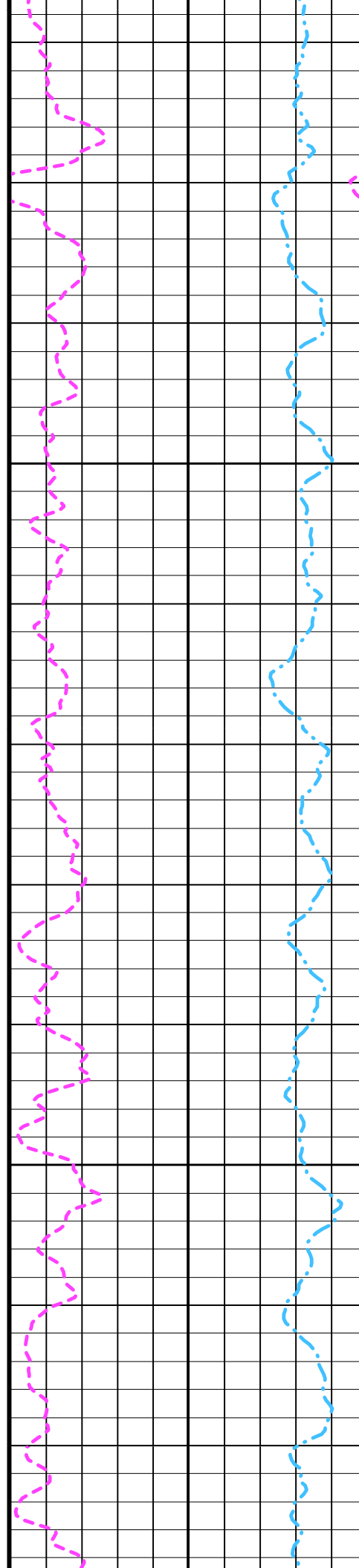


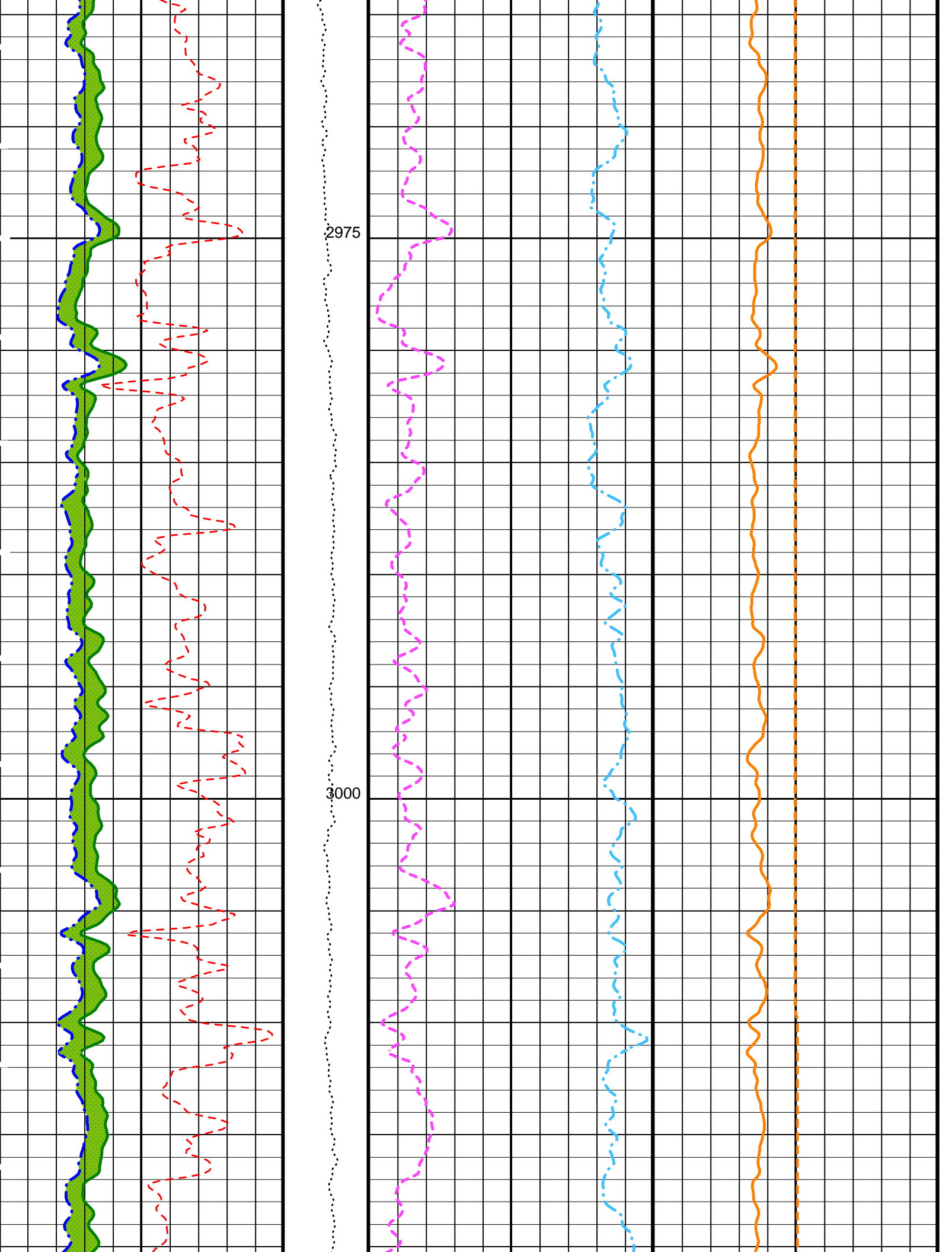


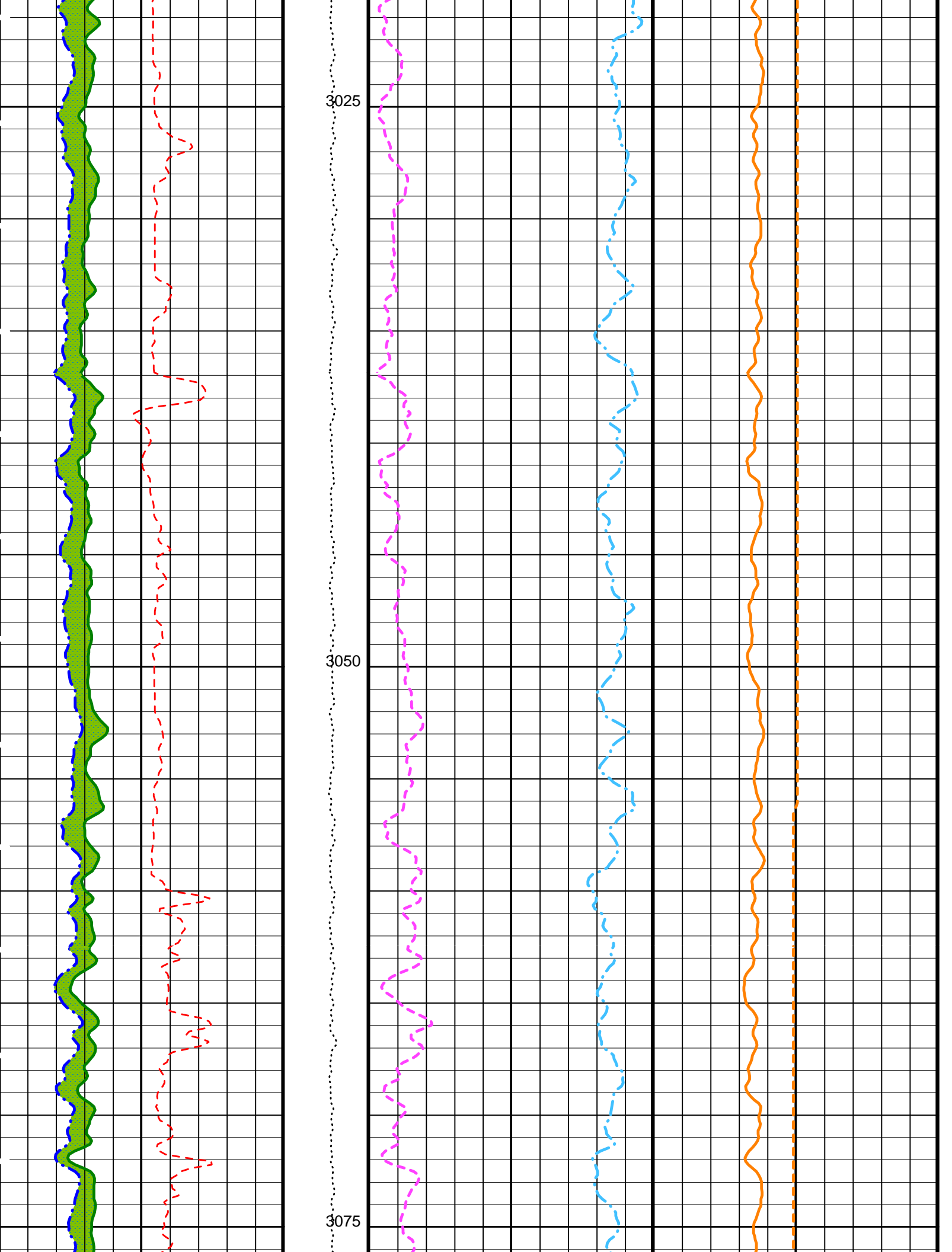


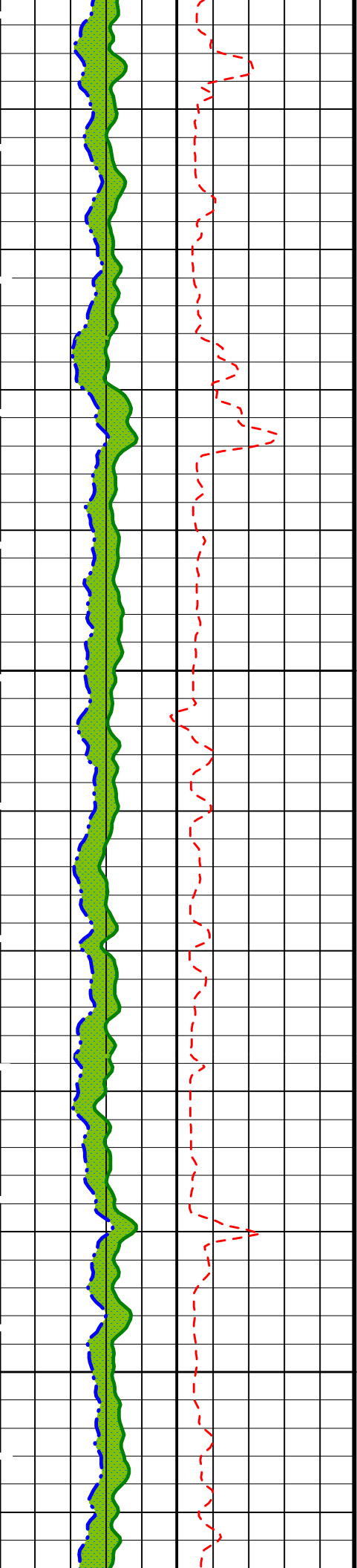
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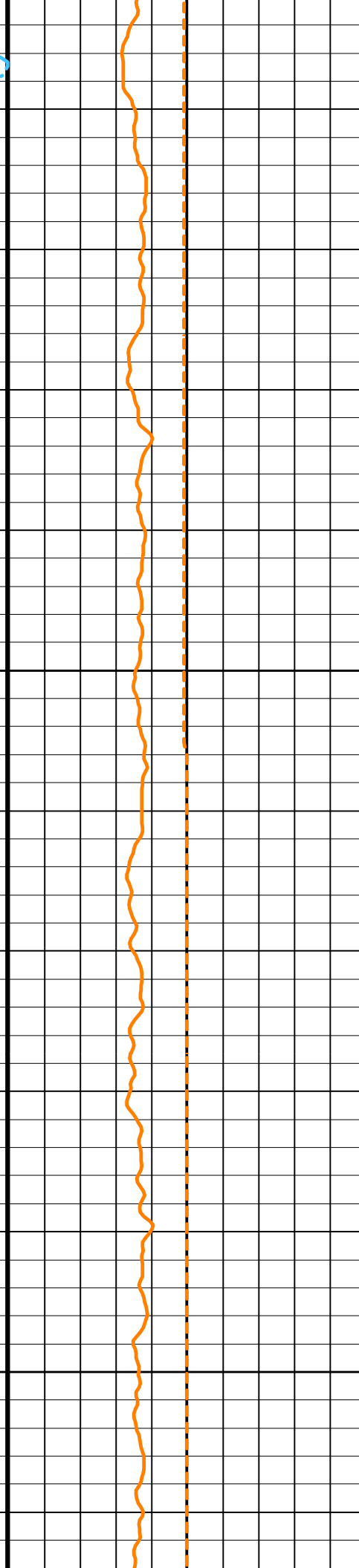
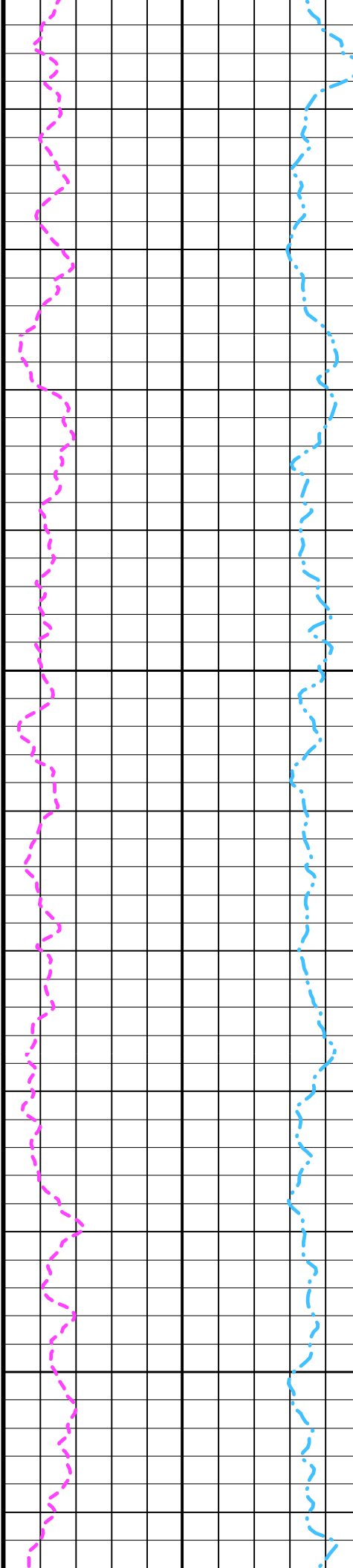


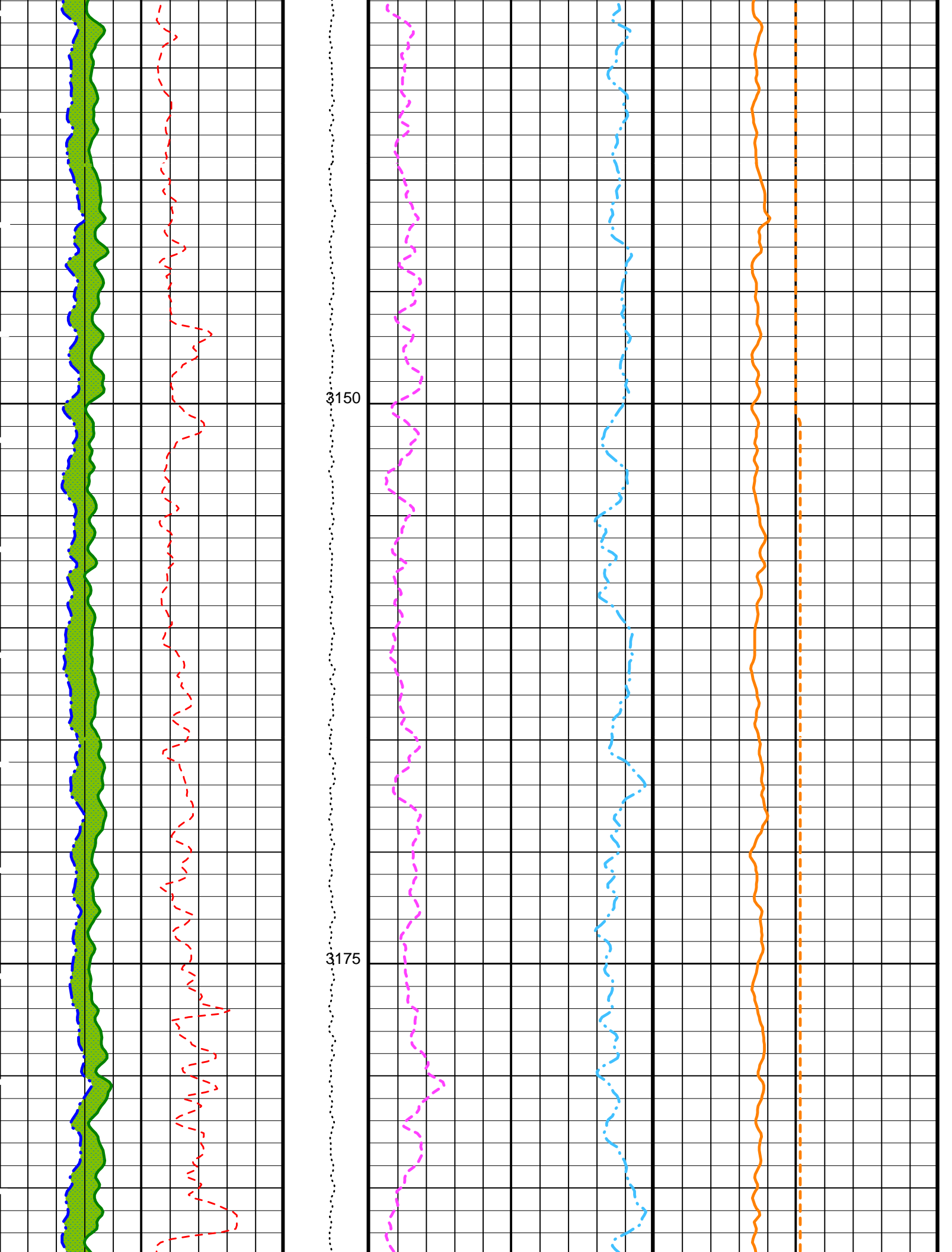


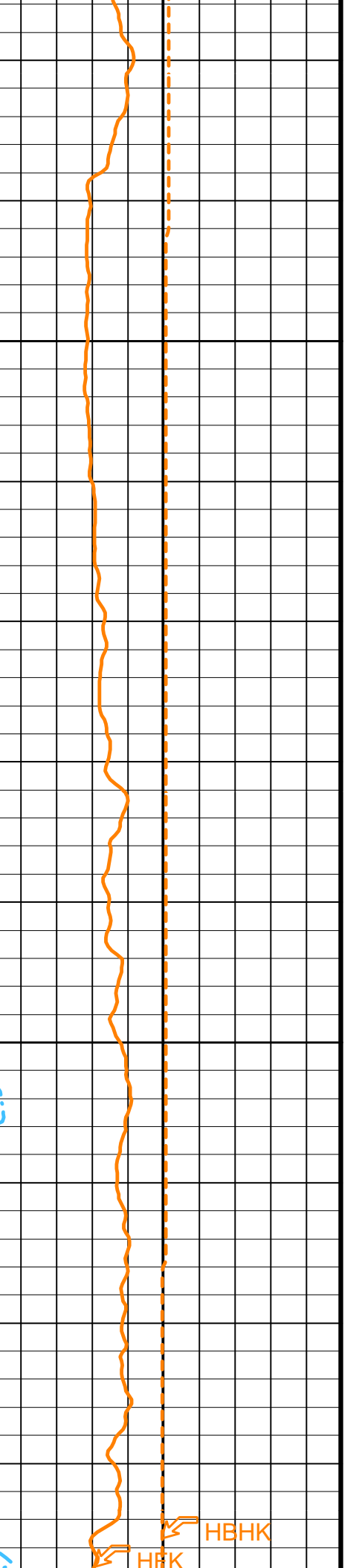
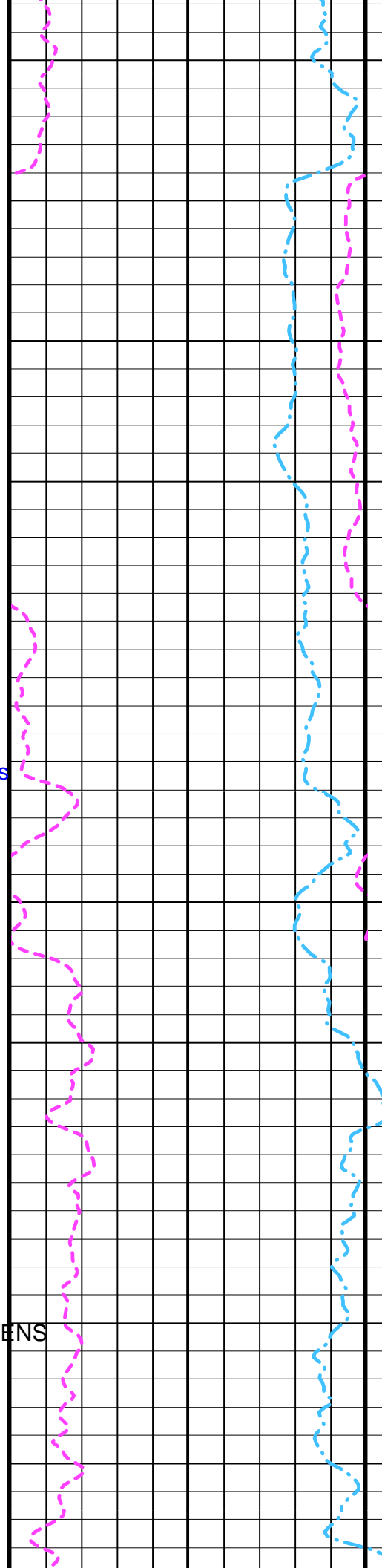
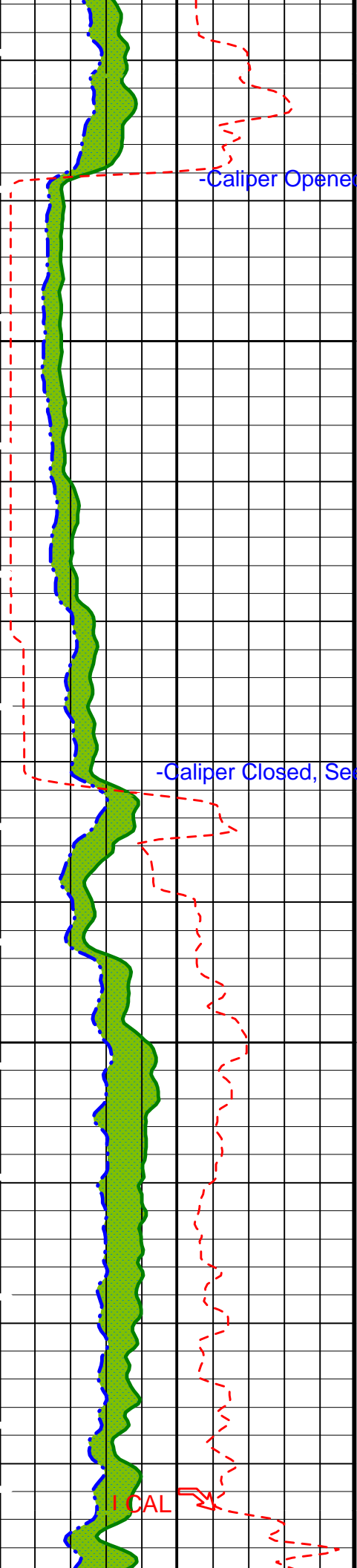


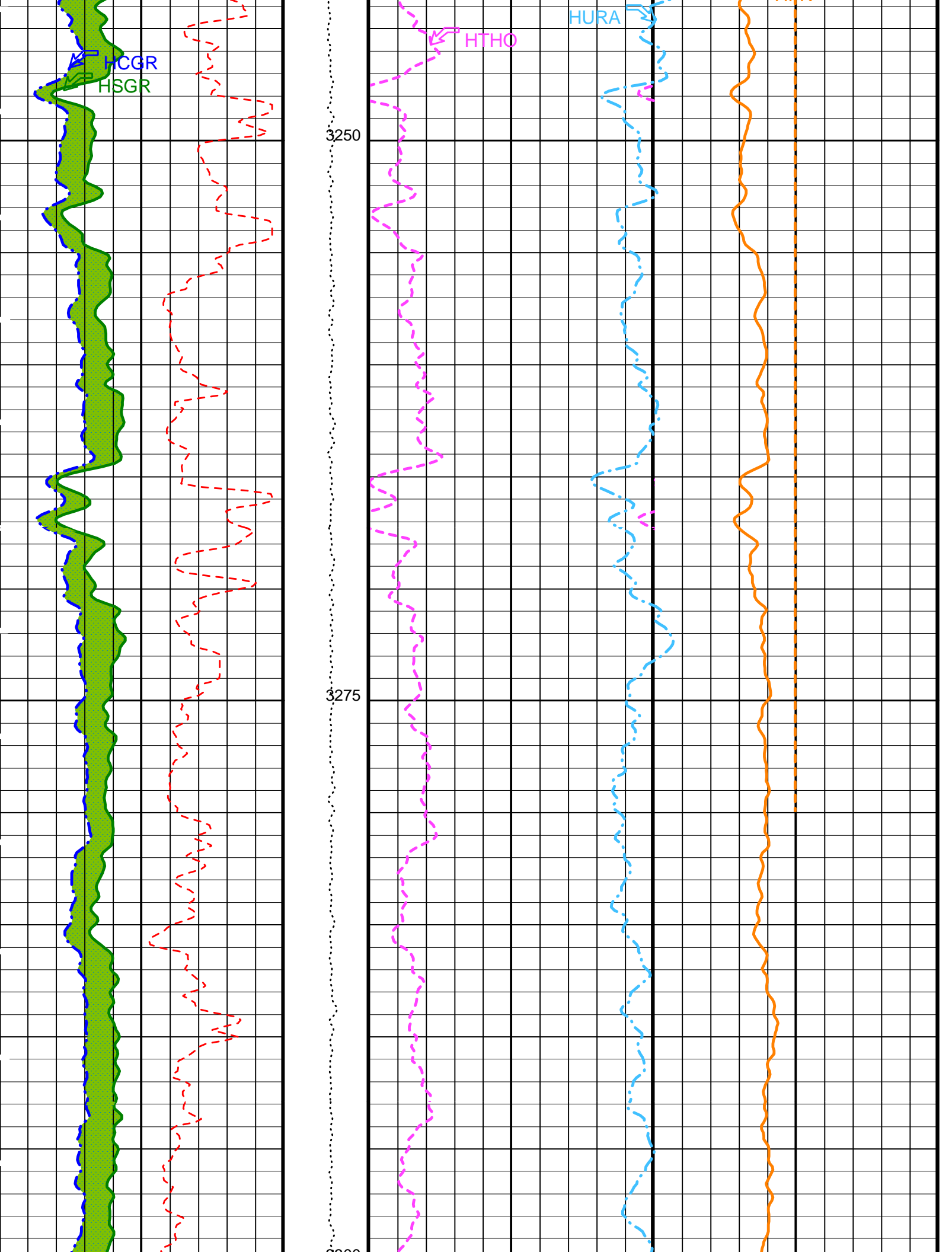
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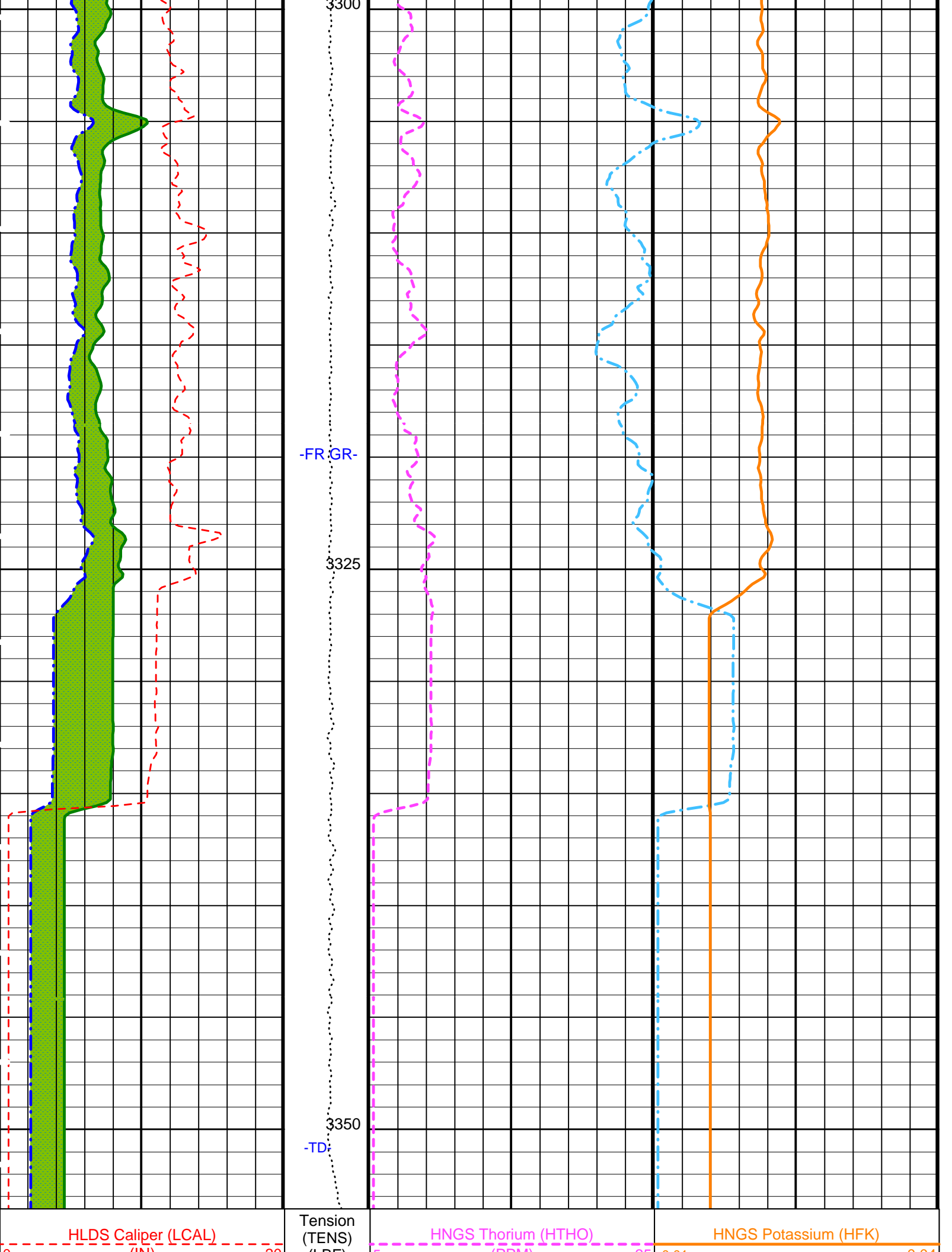
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-FRGR-

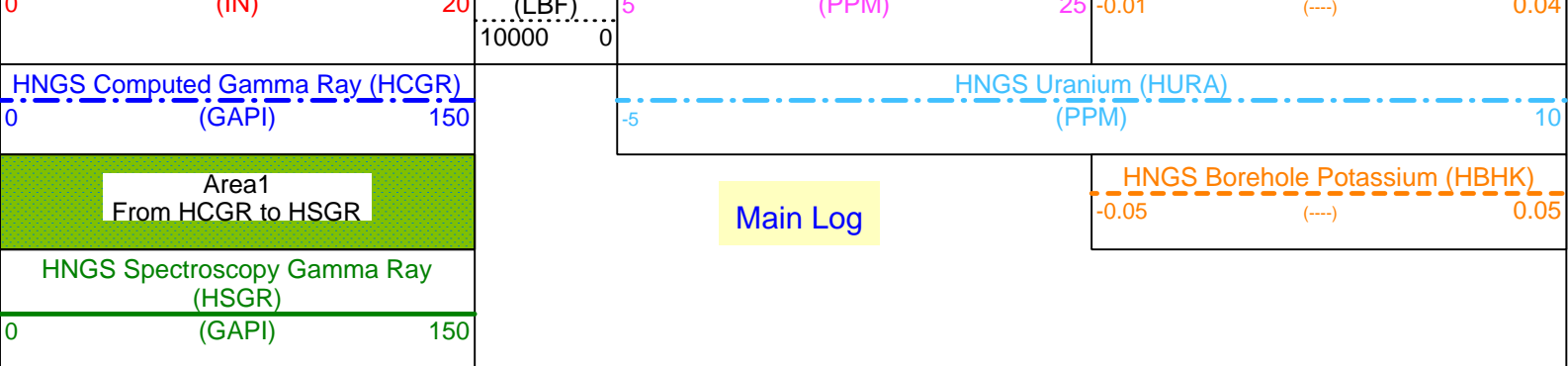
-TD-

HLDS Caliper (LCAL)

Tension (TENS) (LBS)

HNGS Thorium (HTHO)

HNGS Potassium (HFK)



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
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	
BKSF	HNGS Borehole Fluid Excluder Sleeve Algorithm Factor	1	
BKSH	HNGS Borehole Fluid Excluder Sleeve Algorithm High Channel	245	
BKSL	HNGS Borehole Fluid Excluder Sleeve Algorithm Low Channel	17	
BS	Bit Size	9.875	IN
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
D1PR	HNGS Detector 1 Calibration Thorium Peak Resolution	7.46561	%
D1TC	HNGS Detector 1 Calibration Temperature	46.8749	DEGF
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	211.312	
D2PR	HNGS Detector 2 Calibration Thorium Peak Resolution	6.19449	%
D2TC	HNGS Detector 2 Calibration Temperature	44.9572	DEGF
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	209.601	
DBCC	HNGS Barite Constant Correction Flag	NONE	
DFD	Drilling Fluid Density	8.51	LB/G
GCF1_START	HNGS Detector 1 GCF Constant	1	
GCF2_START	HNGS Detector 2 GCF Constant	1	
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	
HALF	HNGS Alpha Filter Length	60	IN
HATIM	HNGS Marquardt Accumulation Time	600	S
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
HSLV	HNGS Borehole Fluid Excluder Sleeve Status	NO	
HSVN	HNGS Spectral Standards Version Number	1.74098e-031	
MARQ_START	HNGS Marquardt Start-up Mode	INTERNAL	
RDF1_START	HNGS Detector 1 RDF Constant	0	
RDF2_START	HNGS Detector 2 RDF Constant	0	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S1NA	HNGS Detector 1 Calibration Sodium Count Rate	28.899	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.992258	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	29.4941	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.981545	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	0	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 23-Mar-2000 14:13

OP System Version: 9C1-303
MCM

DIT-E	9C1-303	DTA-A	9C1-303
HLDS	9C1-303	NPLC-B	9C1-303
APS-BA	9C1-303	HNGS-BA	9C1-303
DTC-H	9C1-303		

Output DLIS Files

DEFAULT	DITE .008	FN:7	PRODUCER	23-Mar-2000 14:12
BACKUP	DITE .008	FN:8	PRODUCER	23-Mar-2000 14:13

Output DLIS Files

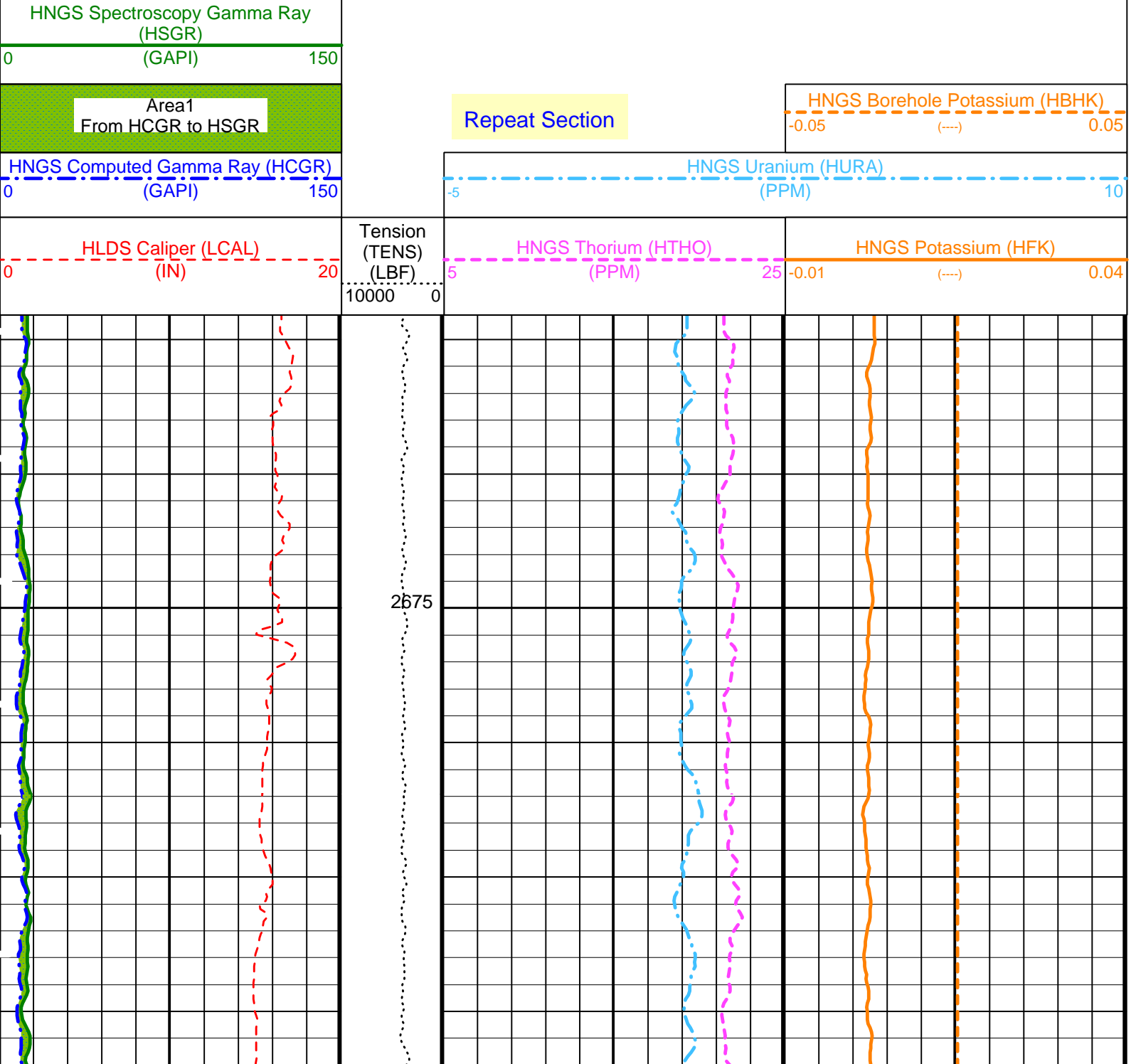
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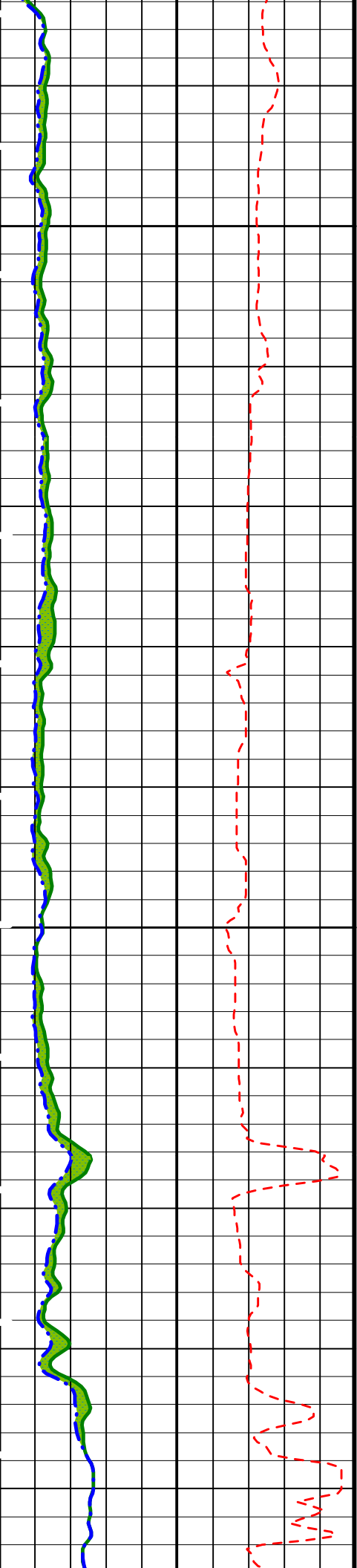
OP System Version: 9C1-303 MCM

DIT-E	9C1-303	DTA-A	9C1-303
HLDS	9C1-303	NPLC-B	9C1-303
APS-BA	9C1-303	HNGS-BA	9C1-303
DTC-H	9C1-303		

PIP SUMMARY

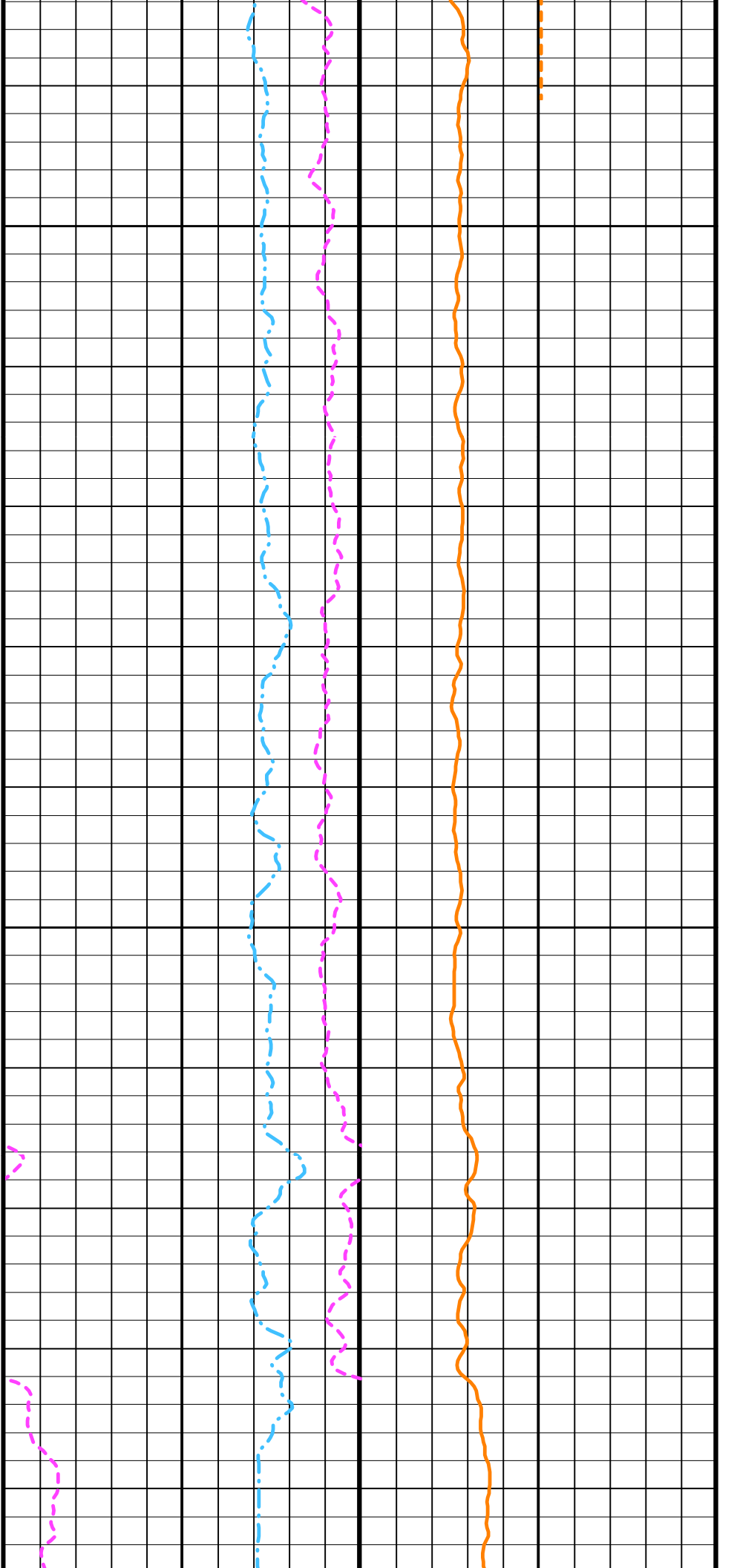
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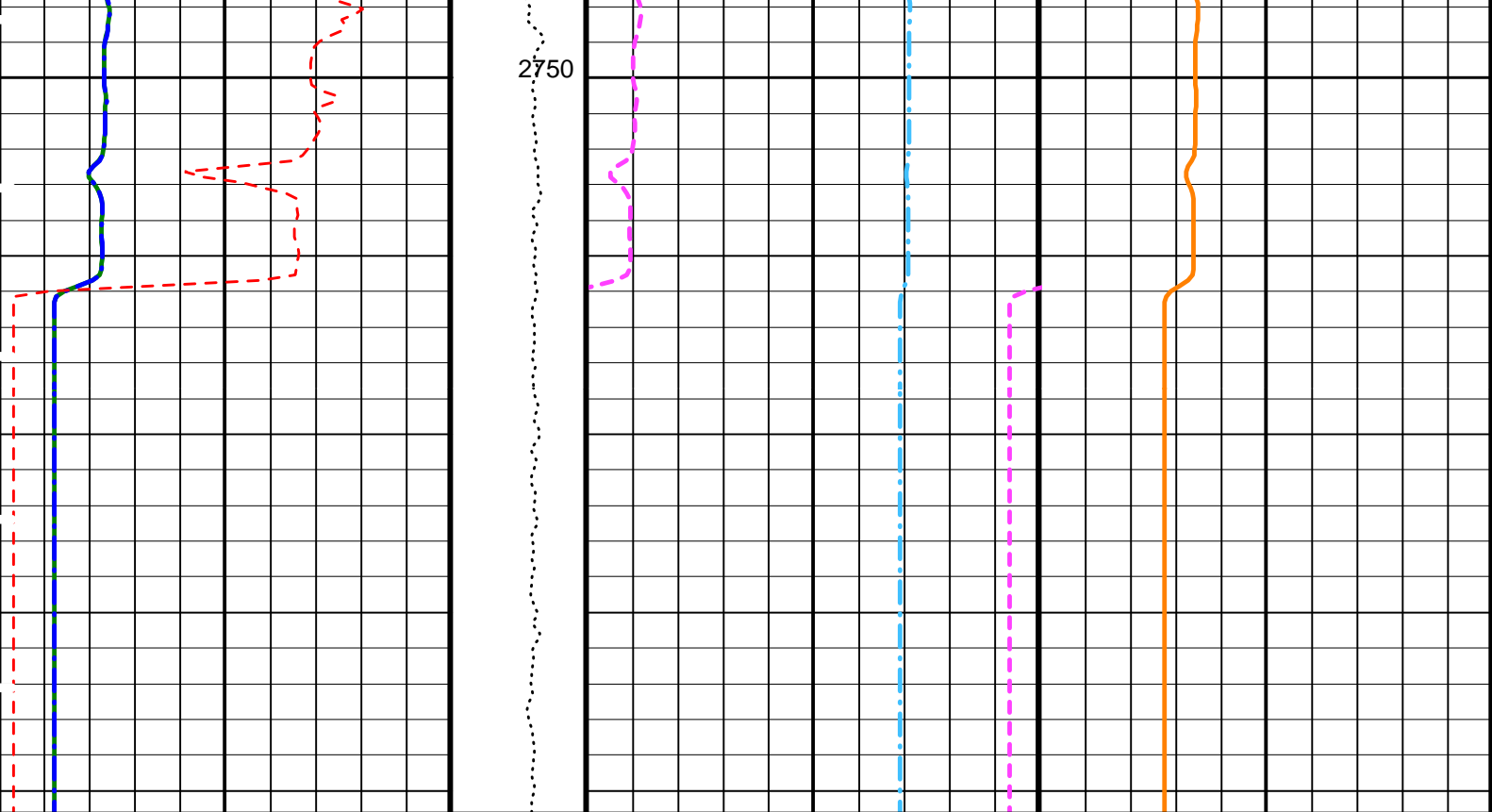




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<p>HLDS Caliper (LCAL) (IN) 0 20</p> <p>HNGS Computed Gamma Ray (HCGR) (GAPI) 0 150</p> <p>Area1 From HCGR to HSGR</p> <p>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 150</p>	<p>Tension (TENS) (LBF) 10000 0</p>	<p>HNGS Thorium (HTHO) (PPM) 5 25</p> <p>HNGS Uranium (HURA) (PPM) -5 10</p>	<p>HNGS Potassium (HFK) (---) -0.01 0.04</p> <p>HNGS Borehole Potassium (HBHK) (---) -0.05 0.05</p>
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PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
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
BKSF	HNGS Borehole Fluid Excluder Sleeve Algorithm Factor	1
BKSH	HNGS Borehole Fluid Excluder Sleeve Algorithm High Channel	245
BKSL	HNGS Borehole Fluid Excluder Sleeve Algorithm Low Channel	17
BS	Bit Size	9.875 IN
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
D1PR	HNGS Detector 1 Calibration Thorium Peak Resolution	7.46561 %
D1TC	HNGS Detector 1 Calibration Temperature	46.8749 DEGF
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	211.312
D2PR	HNGS Detector 2 Calibration Thorium Peak Resolution	6.19449 %
D2TC	HNGS Detector 2 Calibration Temperature	44.9572 DEGF
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	209.601
DBCC	HNGS Barite Constant Correction Flag	NONE
DFD	Drilling Fluid Density	8.51 LB/G
GCF1_START	HNGS Detector 1 GCF Constant	1
GCF2_START	HNGS Detector 2 GCF Constant	1
GCSE	Generalized Caliper Selection	LCAL
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW

H2P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW		
HABK	HNGS Borehole Potassium Running Average	-1.25452e-005		
HALF	HNGS Alpha Filter Length	60	IN	
HATIM	HNGS Marquardt Accumulation Time	600	S	
HCRB	HNGS Apply Borehole Potassium Correction	NONE		
HMWM	Mud Weighting Material	NATU		
HNPE	HNGS Processing Enable	YES		
HSLV	HNGS Borehole Fluid Excluder Sleeve Status	NO		
HSVN	HNGS Spectral Standards Version Number	1.16746e-028		
MARQ_START	HNGS Marquardt Start-up Mode	INTERNAL		
RDF1_START	HNGS Detector 1 RDF Constant	0		
RDF2_START	HNGS Detector 2 RDF Constant	0		
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS	
S1NA	HNGS Detector 1 Calibration Sodium Count Rate	28.899	CPS	
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.992258		
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS	
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	29.4941	CPS	
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.981545		
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	0.000475432		
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES		
TPOS	Tool Position	ECCE		
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.02775		
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.975119		

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 23-Mar-2000 17:46

OP System Version: 9C1-303 MCM

DIT-E	9C1-303	DTA-A	9C1-303
HLDS	9C1-303	NPLC-B	9C1-303
APS-BA	9C1-303	HNGS-BA	9C1-303
DTC-H	9C1-303		

Output DLIS Files

DEFAULT	DITE .010	FN:11 PRODUCER	23-Mar-2000 17:46
BACKUP	DITE .010	FN:12 PRODUCER	23-Mar-2000 17:46

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement							
Master: 10-MAR-2000 10:06 Before: 17-MAR-2000 18:41 After: 23-MAR-2000 20:14							
SS Total Countrate Bkg	1645	1446	1441	1446	4.654	80.00	CPS
SS HV Measured Bkg	1100	1077	1070	1068	-1.901	80.00	V
SS Cs Centroid Bkg	661.0	661.3	661.0	661.3	0.3008	1.500	KEV
SS Cs Resolution Bkg	9.000	8.490	8.564	8.483	-0.08115	1.800	%
LS Total Countrate Bkg	1645	1468	1467	1470	2.342	80.00	CPS
LS HV Measured Bkg	1100	1195	1190	1186	-4.608	80.00	V
LS Cs Centroid Bkg	661.0	661.3	661.2	661.2	0.03925	1.500	KEV
LS Cs Resolution Bkg	9.000	8.744	8.772	8.800	0.02856	1.800	%
Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration							
Before: 17-MAR-2000 19:48							
HLDS Caliper Small Ring	8.000	N/A	9.714	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	12.00	N/A	13.89	N/A	N/A	N/A	IN
Accelerator-Porosity Tool Wellsite Calibration - Detector Background							
Master: 2-FEB-2000 21:50 Before: 23-MAR-2000 11:08 After: 23-MAR-2000 18:53							
Near Det Bkg Cntrate	30.00	32.07	31.49	32.45	0.9638	N/A	CPS
Far Det Bkg Cntrate	30.00	32.19	33.27	34.28	1.014	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	28.58	29.13	29.26	0.1329	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	30.06	30.44	29.11	-1.329	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	33.94	32.50	33.14	0.6384	N/A	CPS
Accelerator-Porosity Tool Wellsite Calibration - Detector Plateau Settings							
Master: 2-FEB-2000 20:07							
Near Detector Plateau Setting	1650	1762	N/A	N/A	N/A	N/A	V
Far Detector Plateau Setting	2000	2069	N/A	N/A	N/A	N/A	V
Array Detector Plateau Setting	2000	1987	N/A	N/A	N/A	N/A	V
Accelerator-Porosity Tool Wellsite Calibration - Calibration Ratios							

Master: 2-FEB-2000 21:50

Near/Far Calibration Ratio	0.9250	0.9031	N/A	N/A	N/A	N/A
Near/Array Calibration Ratio	1.030	1.068	N/A	N/A	N/A	N/A

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check

Master: 2-FEB-2000 11:55 Before: 17-MAR-2000 18:42 After: 23-MAR-2000 20:15

Na 511 Peak Loc	40.00	40.51	40.70	40.78	0.07146	1.000	
Na 511 Peak Res	15.50	15.86	15.41	15.58	0.1705	2.000	%
High Voltage	1150	1114	1112	1109	-2.535	30.00	V
Na 1785 Peak Loc	142.6	145.5	145.3	145.7	0.3397	7.000	
Na 1785 Peak Res	8.500	9.054	8.948	8.298	-0.6500	2.000	%
Temperature	15.50	8.268	21.55	21.11	-0.4336	N/A	DEGC
Na Count Rate	45.00	28.90	27.69	26.81	-0.8835	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check

Master: 2-FEB-2000 11:55 Before: 17-MAR-2000 18:42 After: 23-MAR-2000 20:15

Na 511 Peak Loc	40.00	40.64	40.50	40.61	0.1106	1.000	
Na 511 Peak Res	15.50	14.00	15.27	14.30	-0.9701	2.000	%
High Voltage	1150	1201	1200	1196	-4.111	30.00	V
Na 1785 Peak Loc	142.6	144.2	145.0	145.2	0.2045	7.000	
Na 1785 Peak Res	8.500	8.101	8.587	8.370	-0.2170	2.000	%
Temperature	15.50	7.197	20.53	21.24	0.7135	N/A	DEGC
Na Count Rate	45.00	29.49	28.21	27.04	-1.168	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2

Master: 2-FEB-2000 11:55 Before: 17-MAR-2000 18:42 After: 23-MAR-2000 20:15

Coincidence Count Rate Ratio	1.000	0.9809	0.9840	0.9920	0.008062	0.05000
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Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration

Master: 2-FEB-2000 11:43

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	211.3	--	--	--	--	
Th Peak Res	7.000	7.466	--	--	--	--	%
Background Count Rate	142.5	18.16	--	--	--	--	CPS
Gain Ratio	1.000	0.9923	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration

Master: 2-FEB-2000 11:43

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	209.6	--	--	--	--	
Th Peak Res	7.000	6.194	--	--	--	--	%
Background Count Rate	142.5	20.51	--	--	--	--	CPS
Gain Ratio	1.000	0.9815	--	--	--	--	

Dual Induction - E / Equipment Identification

Primary Equipment:		
Dual Induction Sonde	DIS - HB	200
Dual Induction Cartridge	DIC - EB	171
Auxiliary Equipment:		
Mass Isolated Housing	MIH - ZA	174

Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:		
Hostile Litho Density Sonde	HLDS - D	35
Hostile Litho Density High Voltage	HLDV - D	35
Gamma Source Radioactive	GSR - Z	1846
Auxiliary Equipment:		
Hostile Litho Density Pad	HLDP - C	12
Hostile Litho Density High Voltage Housi	HEH - H	35

Nuclear Porosity Lithology Cartridge - B / Equipment Identification

Primary Equipment:		
NPLC Cartridge	NPLC - B	82
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	27
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Auxiliary Equipment:

HNGS Sonde Housing	HNSH - BA	27
Gamma Source Radioactive	GSR - U	135

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		40.51	Master		15.86	Master		1114
Before		40.70	Before		15.41	Before		1112
After		40.78	After		15.58	After		1109
	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		145.5	Master		9.054	Master		8.268
Before		145.3	Before		8.948	Before		21.55
After		145.7	After		8.298	After		21.11
	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		28.90						
Before		27.69						
After		26.81						
	15.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: 2-FEB-2000 11:55

Before: 17-MAR-2000 18:42

After: 23-MAR-2000 20:15

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		40.64	Master		14.00	Master		1201
Before		40.50	Before		15.27	Before		1200
After		40.61	After		14.30	After		1196
	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		144.2	Master		8.101	Master		7.197
Before		145.0	Before		8.587	Before		20.53
After		145.2	After		8.370	After		21.24
	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		29.49						

Before		28.21
After		27.04
	15.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)	

Master: 2-FEB-2000 11:55 Before: 17-MAR-2000 18:42 After: 23-MAR-2000 20:15

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9809
Before		0.9840
After		0.9920
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: 2-FEB-2000 11:55		
Before: 17-MAR-2000 18:42		
After: 23-MAR-2000 20:15		

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		211.3	Master		7.466
	38.00 (Minimum) 40.00 (Nominal) 42.00 (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	EXCEEDS LIMIT	18.16	Master		0.9923			
	20.00 (Minimum) 142.5 (Nominal) 265.0 (Maximum)			0.9400 (Minimum) 1.000 (Nominal) 1.060 (Maximum)				

Master: 2-FEB-2000 11:43

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		209.6	Master		6.194
	38.00 (Minimum) 40.00 (Nominal) 42.00 (Maximum)			201.0 (Minimum) 209.6 (Nominal) 218.3 (Maximum)			5.000 (Minimum) 7.000 (Nominal) 9.000 (Maximum)	
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value			
Master		20.51	Master		0.9815			
	20.00 (Minimum) 142.5 (Nominal) 265.0 (Maximum)			0.9400 (Minimum) 1.000 (Nominal) 1.060 (Maximum)				

Master: 2-FEB-2000 11:43

COMPANY: Lamont Doherty WELL: ODP Leg 189, Site 1168 (WT-1A) FIELD: Tasmanian Seaway, West Tasmania Site COUNTY: Offshore STATE: Indian Ocean	BOTTOM LOG INTERVAL	3321 M.
	SCHLUMBERGER DEPTH	3351 M.
	DEPTH DRILLER	3357.7 M.
	KELLY BUSHING	11.2 M.
	DRILL FLOOR	10.9 M.
	GROUND LEVEL	-2474 M.

HNGS Natural Gamma Ray Log



