

Well: **Expedition 400, Site U1608A**
Field: **NW Greenland Glaciated Margin**
Rig: **JOIDES Resolution** Country: **Greenland**

Rig: JOIDES Resolution Field: NW Greenland Glaciated Margin Location: Latitude: N 74° 7.6818' Well: Expedition 400, Site U1608A Company: International Ocean Discovery Program	HNGS, FMS Natural Gamma, Formation imager			
	LOCATION	Latitude: N 74° 7.6818' Longitude: W 60° 58.3172'		Elev.: K.B. 0.00 m G.L. -618.40 m D.F. 0.00 m
		Permanent Datum: <u>Sea Floor</u>		Elev.: <u>-618.40 m</u>
		Log Measured From: <u>Rig Floor</u>		618.40 m above Perm. Datum
		Drilling Measured From: <u>Rig Floor</u>		
Ocean: Arctic Ocean		Max. Well Deviation 0 deg	Longitude W 60° 58.3172'	Latitude N 74° 7.6818'

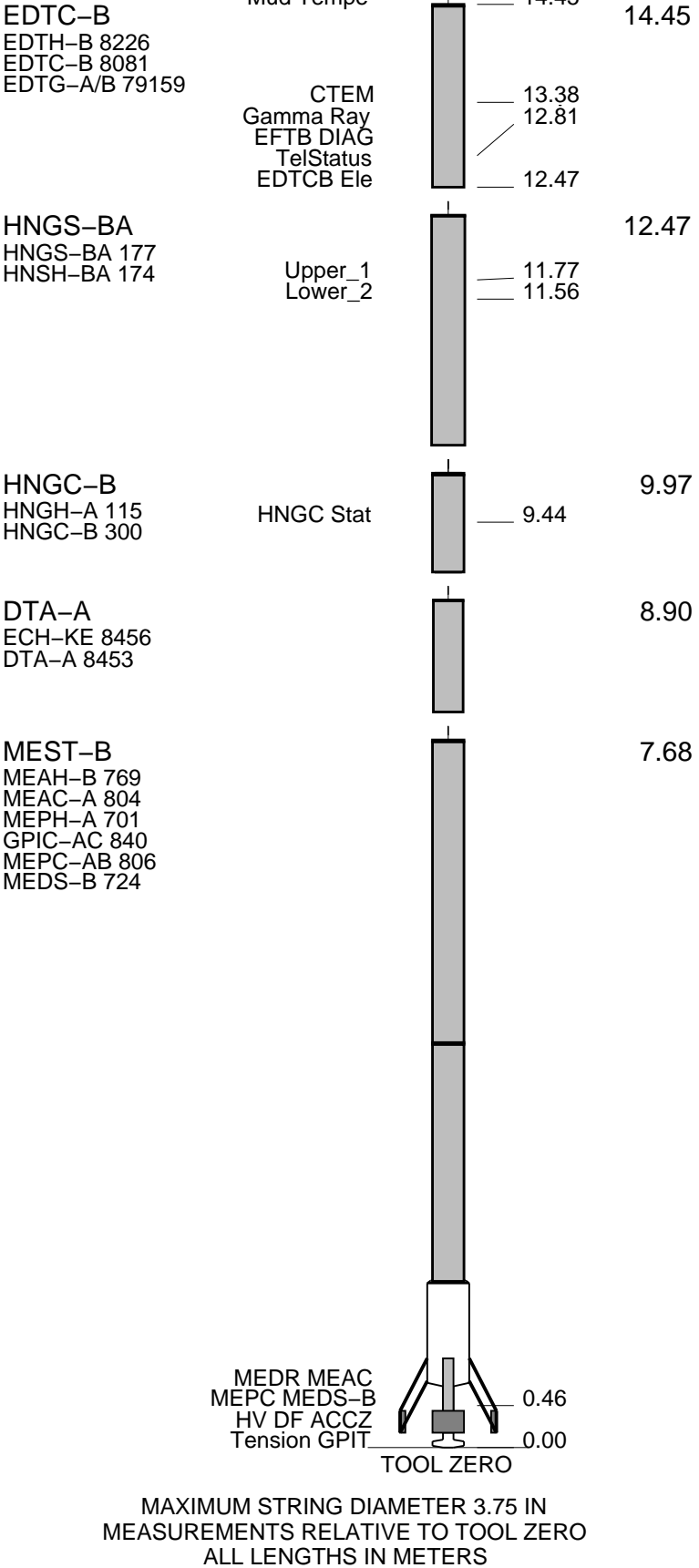
Logging Date			30-Sep-2023					
Run Number			2					
Depth Driller			1179.4 m					
Schlumberger Depth			1177 m					
Bottom Log Interval			1177 m					
Top Log Interval			600 m					
Casing Driller Size @ Depth			0.000 in @ 6.56168 m			@		
Casing Schlumberger			35.3018 m					
Bit Size			9.875 in					
Type Fluid In Hole			Seawater					
MUD	Density	Viscosity	9 lbm/gal					
	Fluid Loss	PH		8.07				
	Source Of Sample		Mudpit					
	RM @ Measured Temperature		0.220 ohm.m @ 23 degC			@		
	RMF @ Measured Temperature		@			@		
RMC @ Measured Temperature		@			@			
Source RMF	RMC	N/A	N/A					
RM @ MRT	RMF @ MRT	0.369 @ 5	@ 5	@	@			
Maximum Recorded Temperatures			5 degC					
Circulation Stopped		Time	30-Sep-2023		1:00			
Logger On Bottom		Time	30-Sep-2023		3:48			
Unit Number	Location	627314 Larose, LA						
Recorded By			K. Garrett					
Witnessed By			B. Rhinehart					

[illegible]

DISCLAIMER

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[illegible]



Schlumberger

Downlog

MAXIS Field Log

Input DLIS Files

DEFAULT Flip_FMS_NGS_013LUP PRODUCER 30-Sep-2023 03:49 1163.1 M 587.5 M

Output DLIS Files

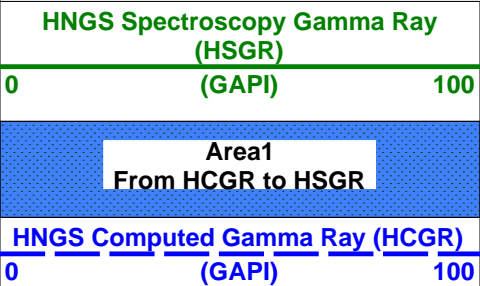
DEFAULT FMS_NGS_018PUP FN:15 PRODUCER 01-Oct-2023 15:25 1163.0 M 587.5 M

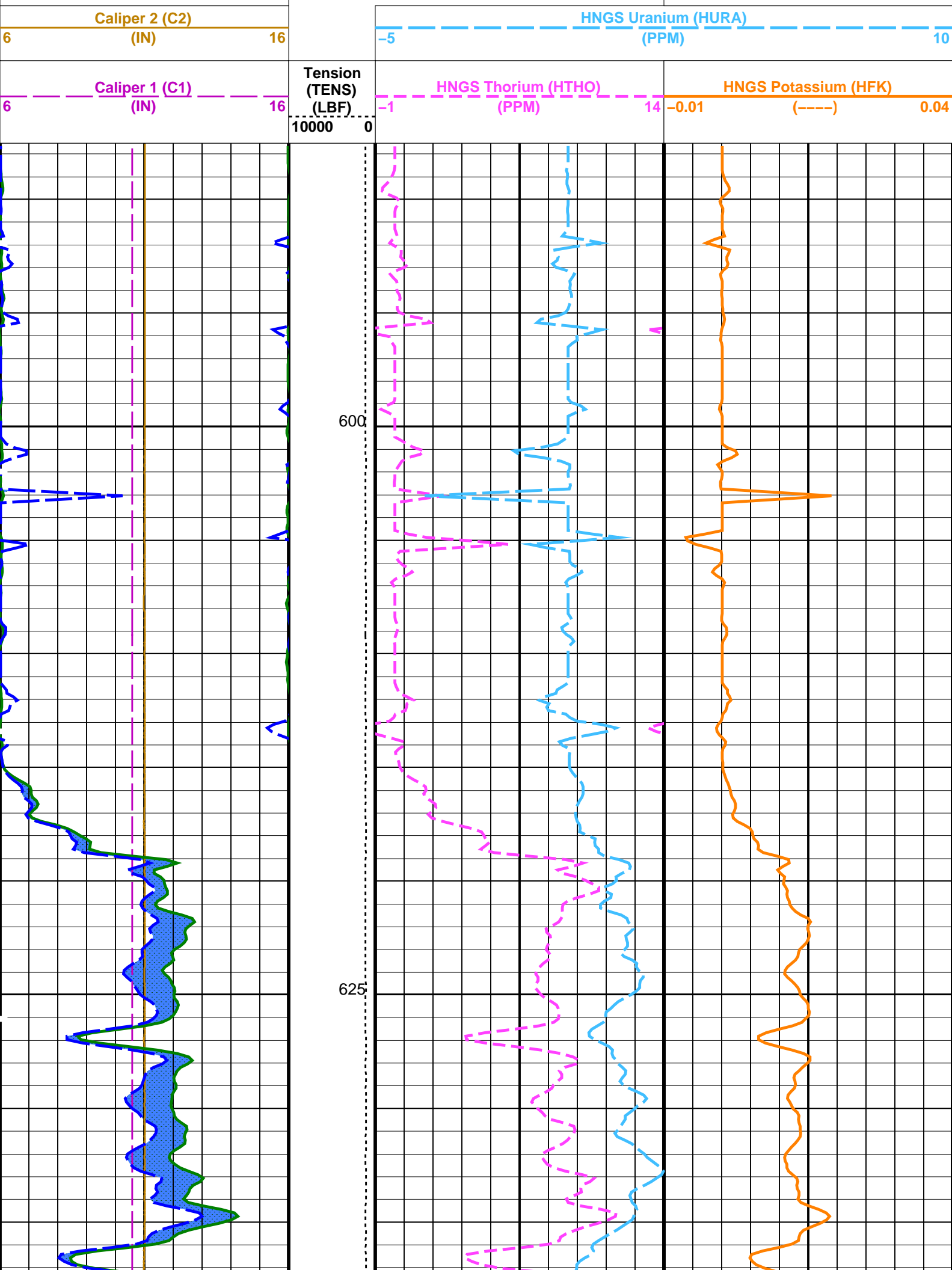
OP System Version: 19C0-187

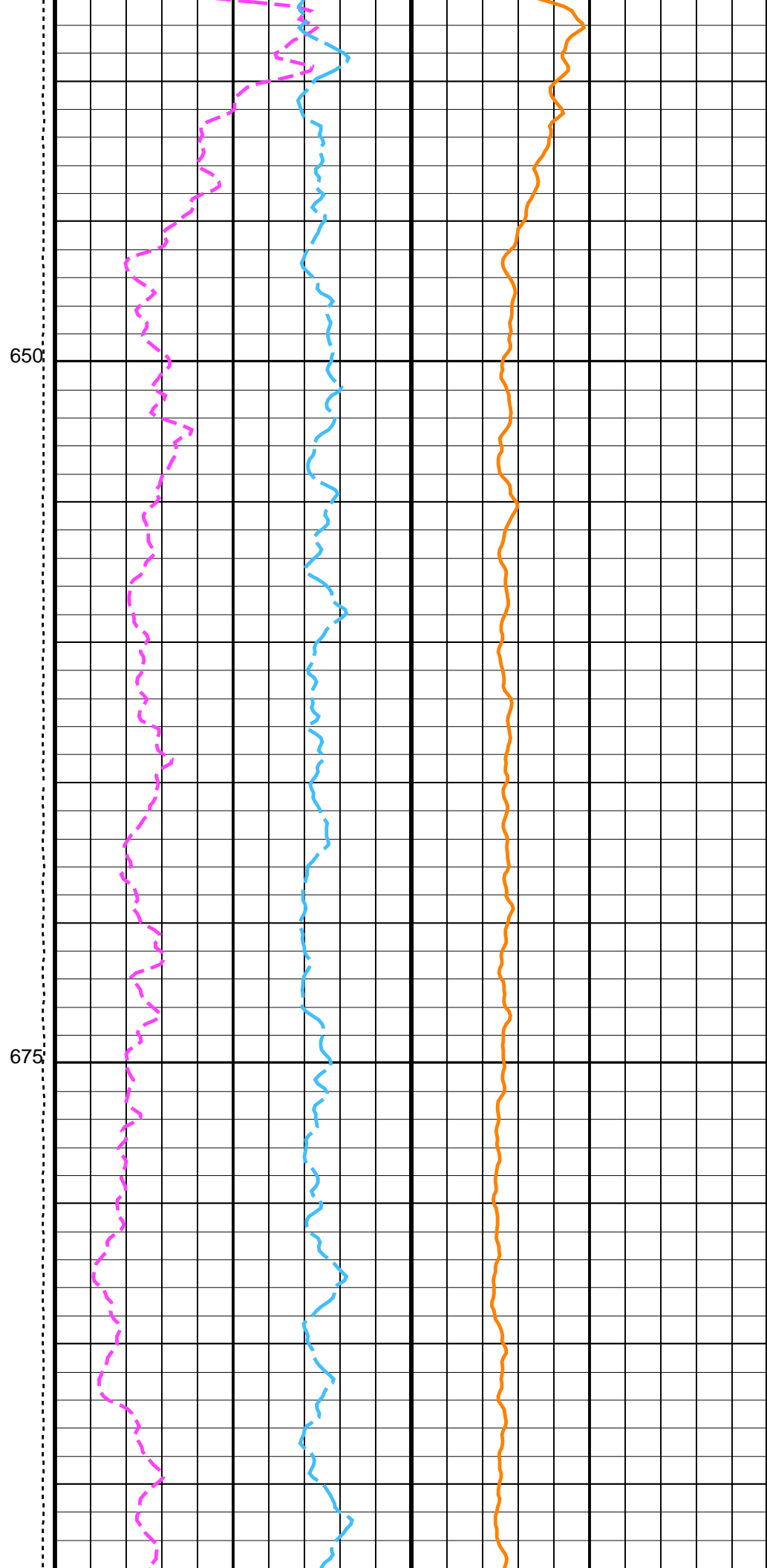
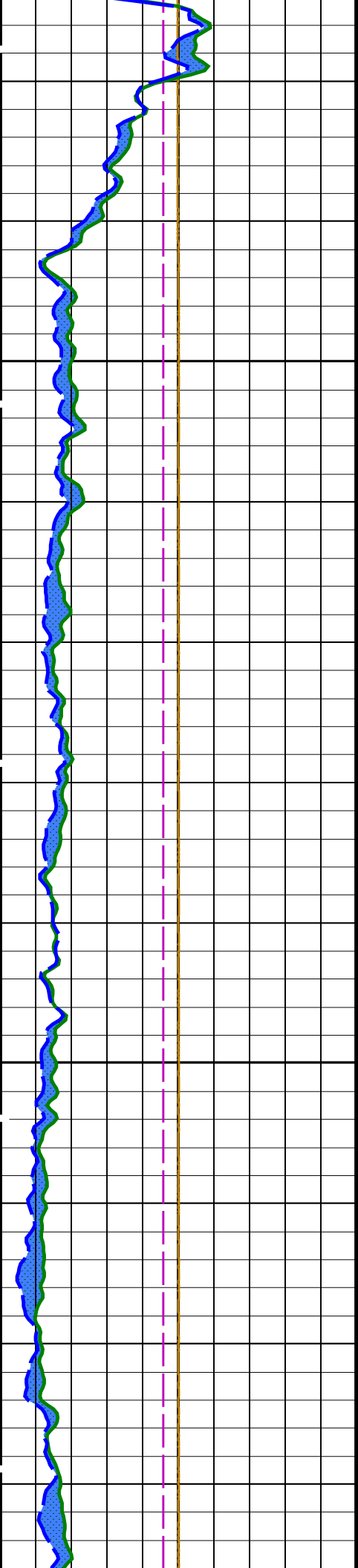
MEST-B 19C0-187 DTA-A 19C0-187
HNGC-B 19C0-187 HNGS-BA 19C0-187
EDTC-B 19C0-187

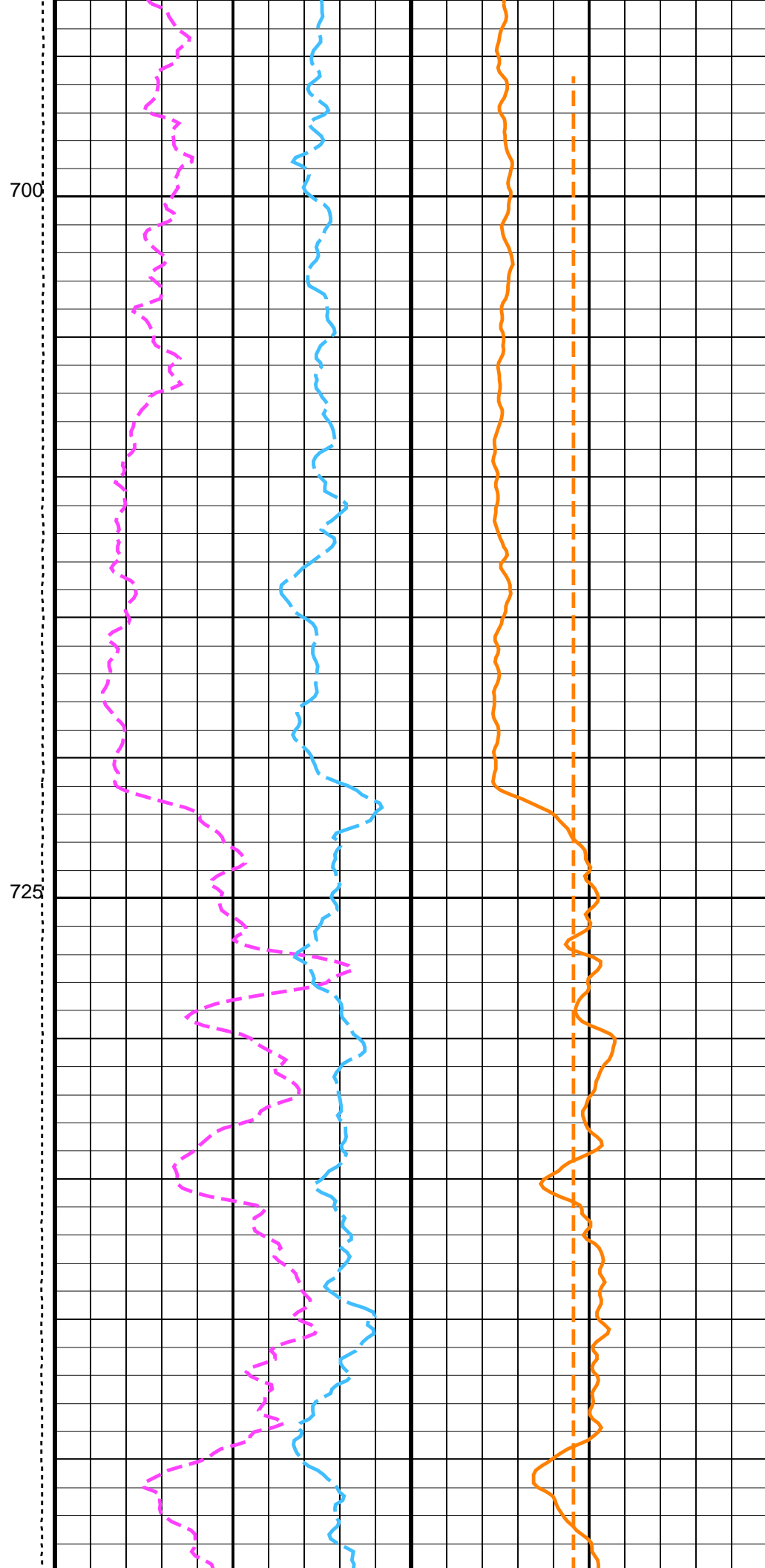
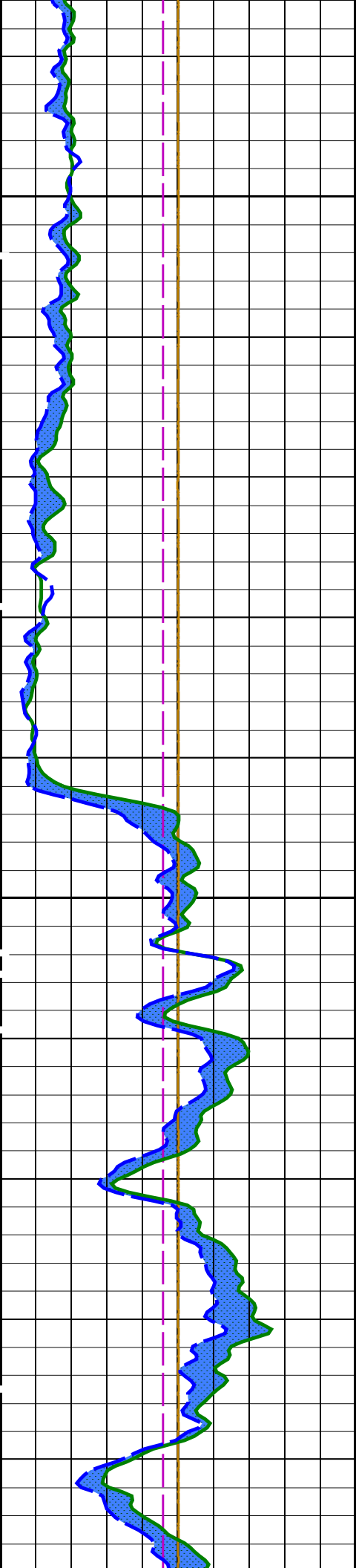
PIP SUMMARY

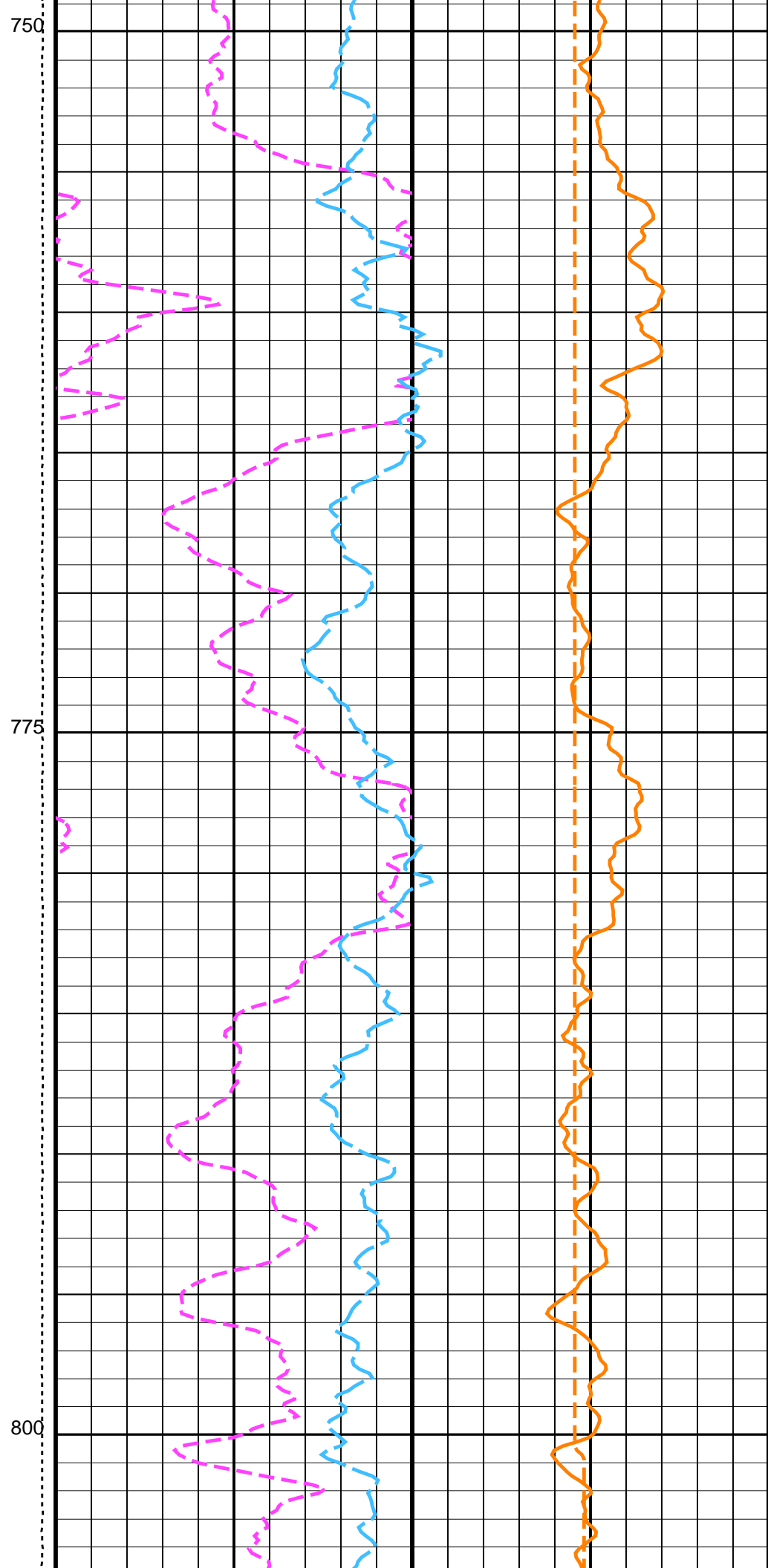
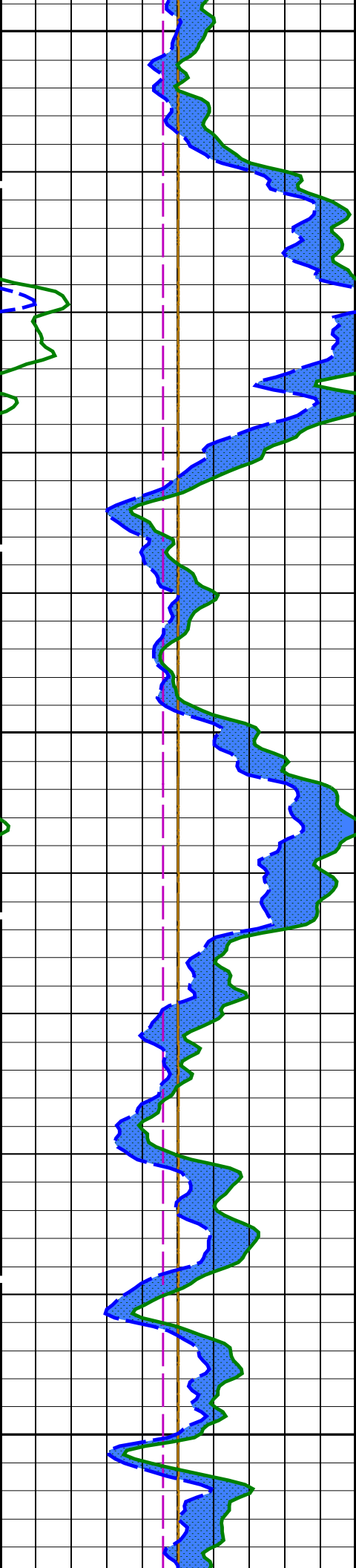
Time Mark Every 60 S

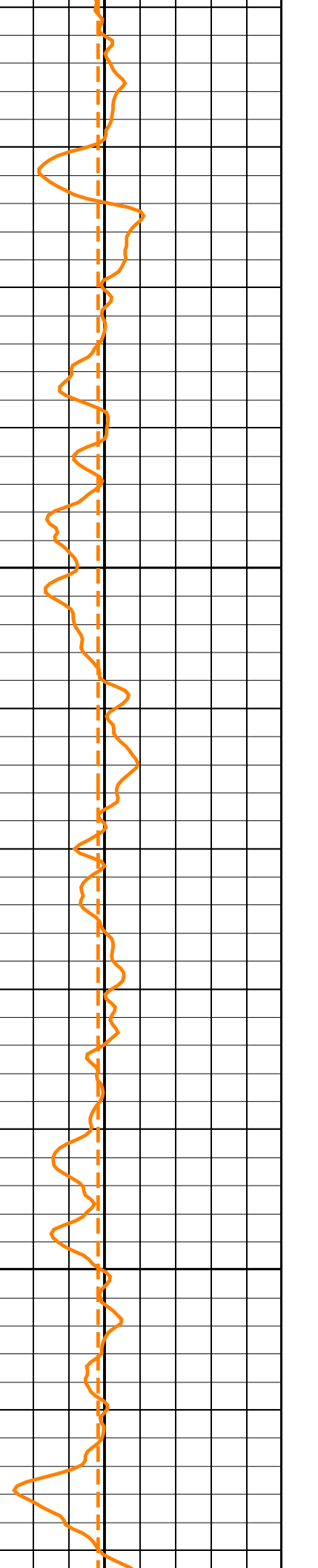
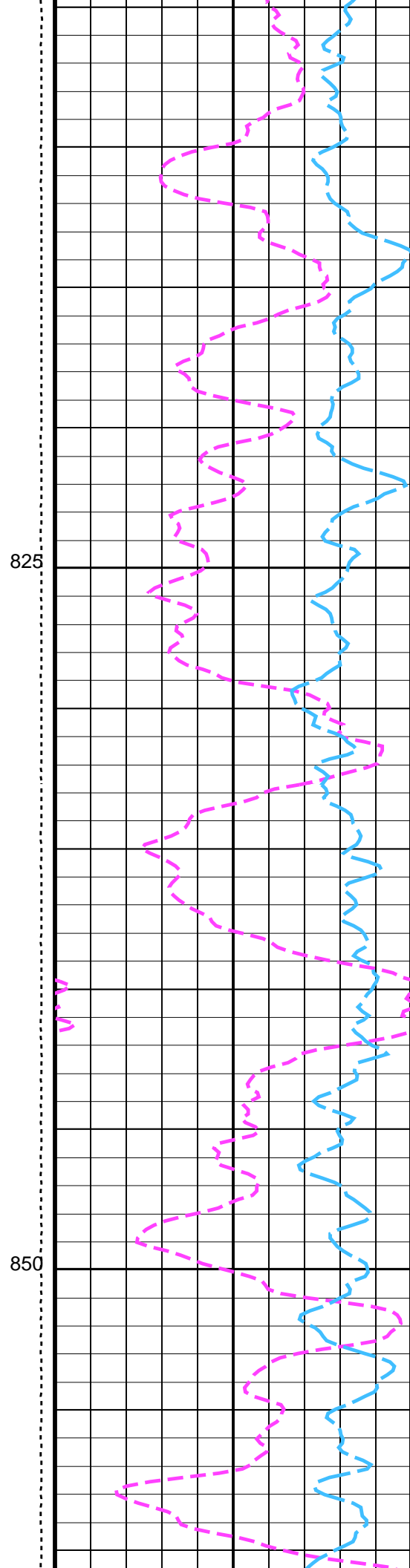
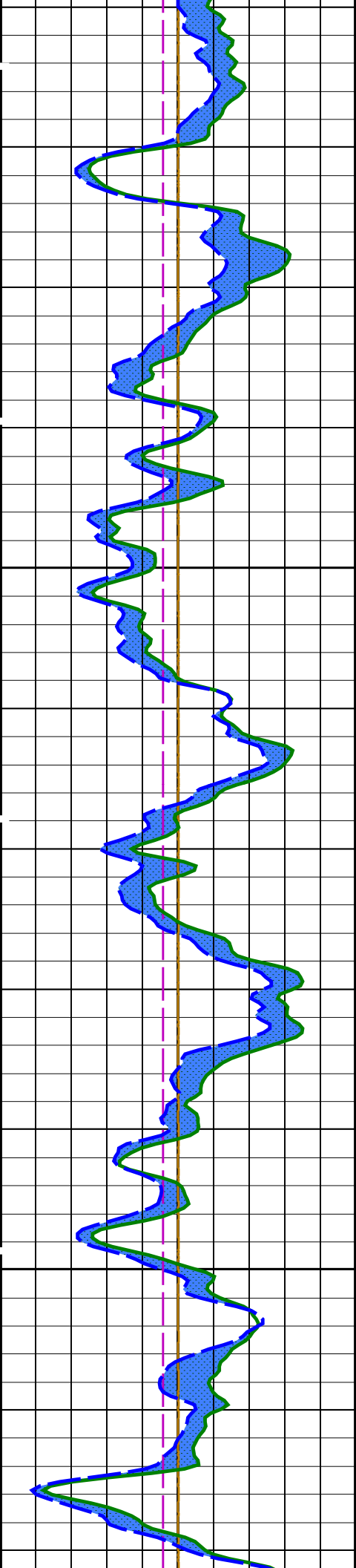


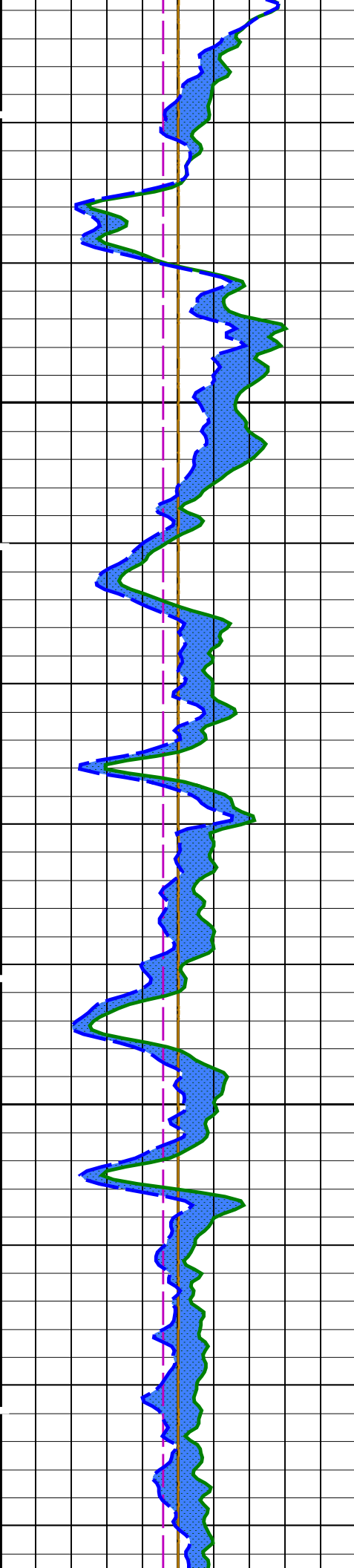






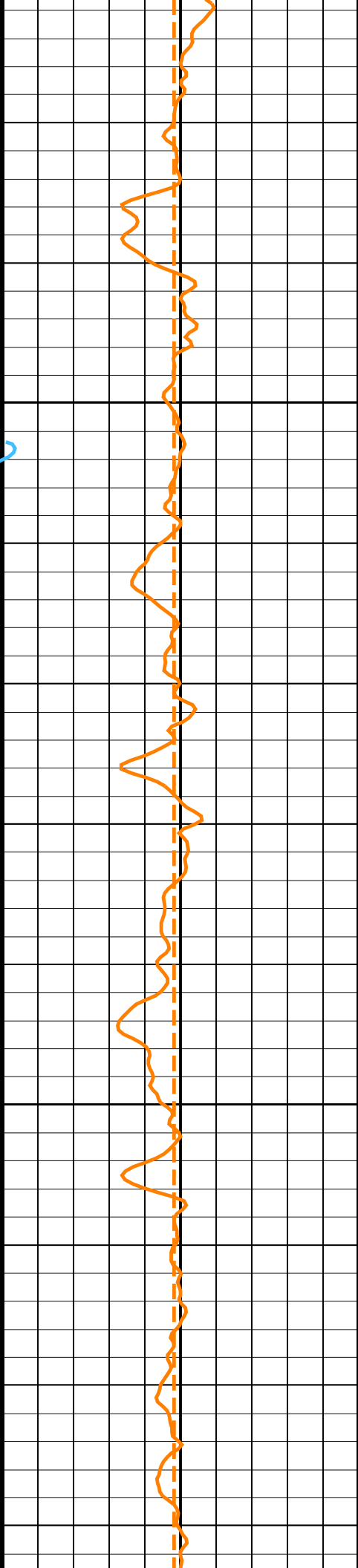
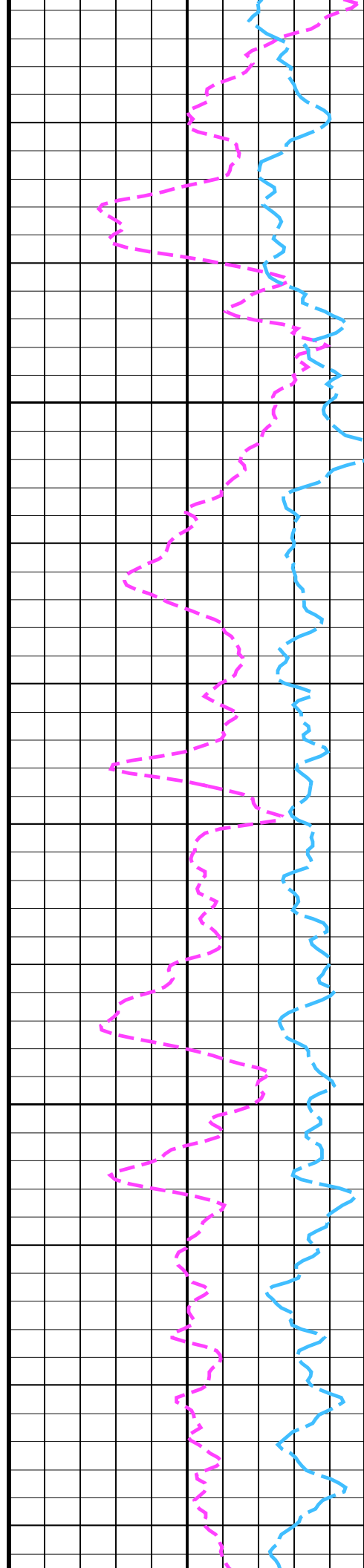


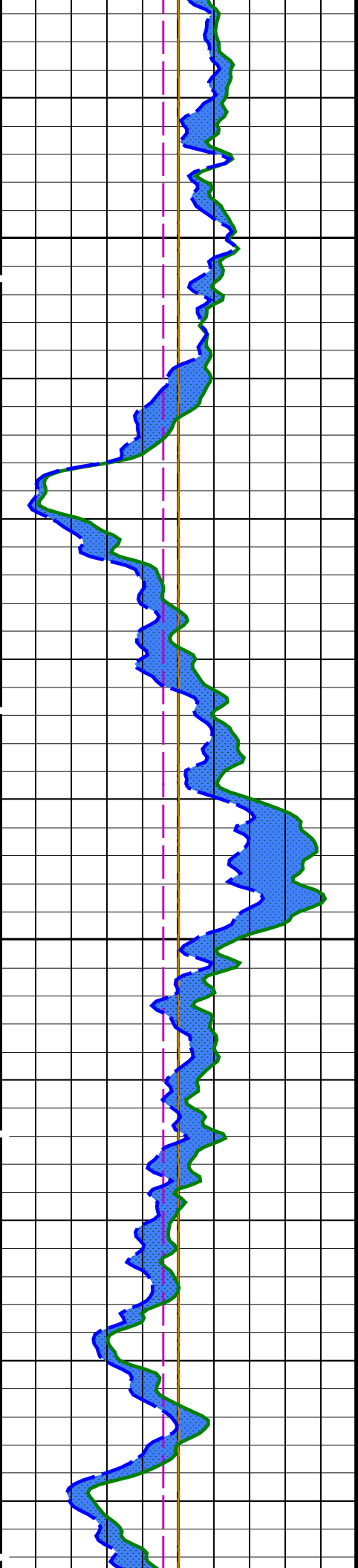




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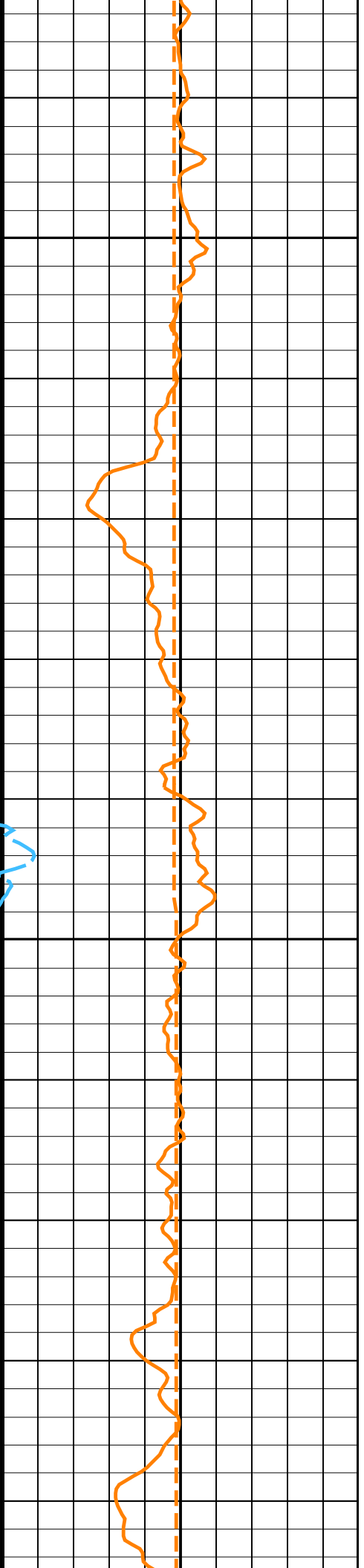
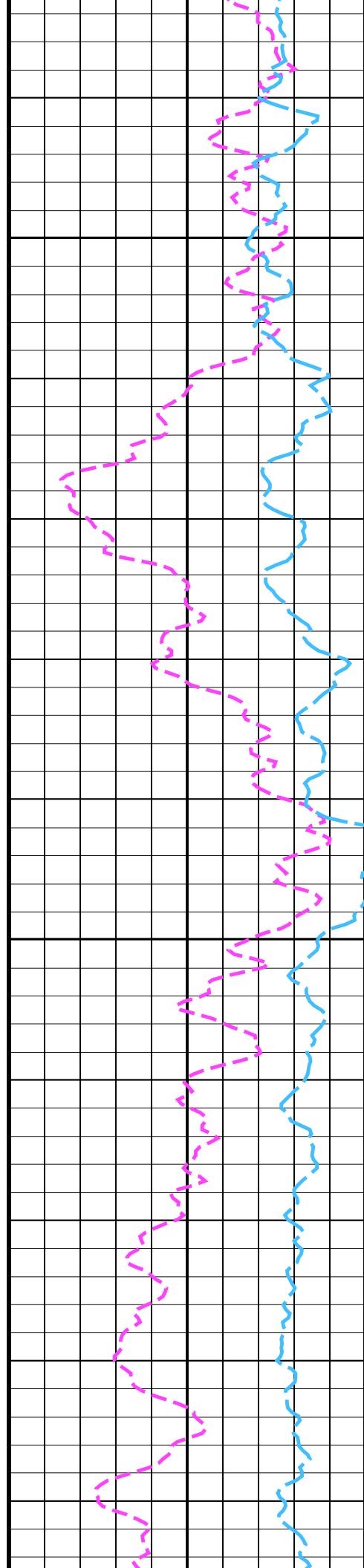
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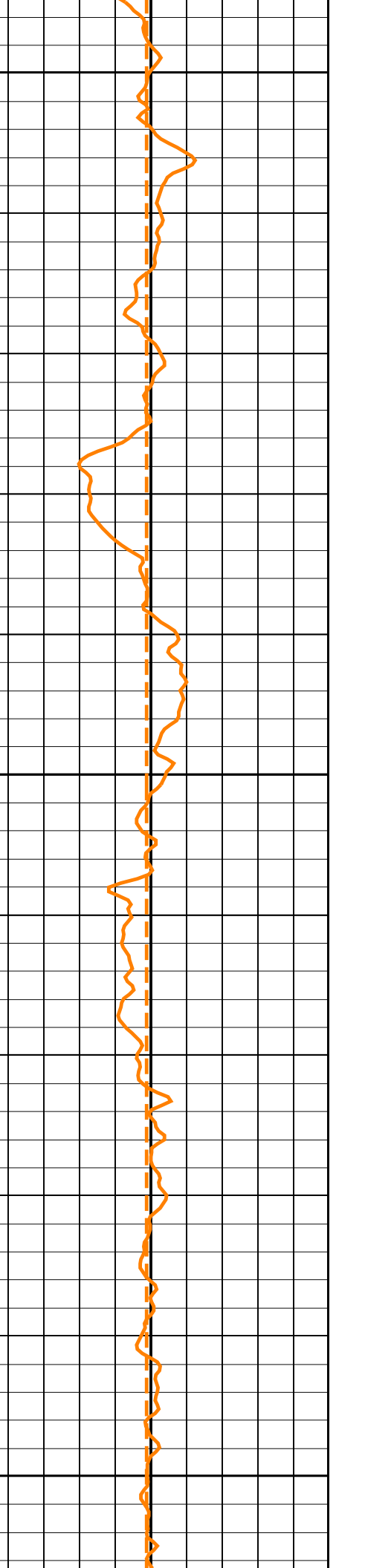
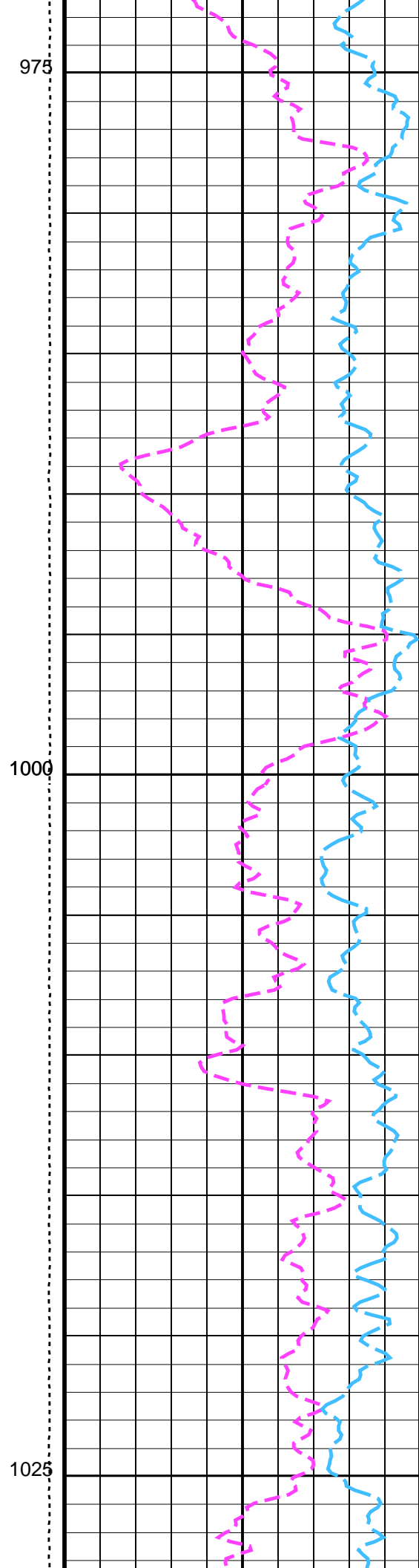
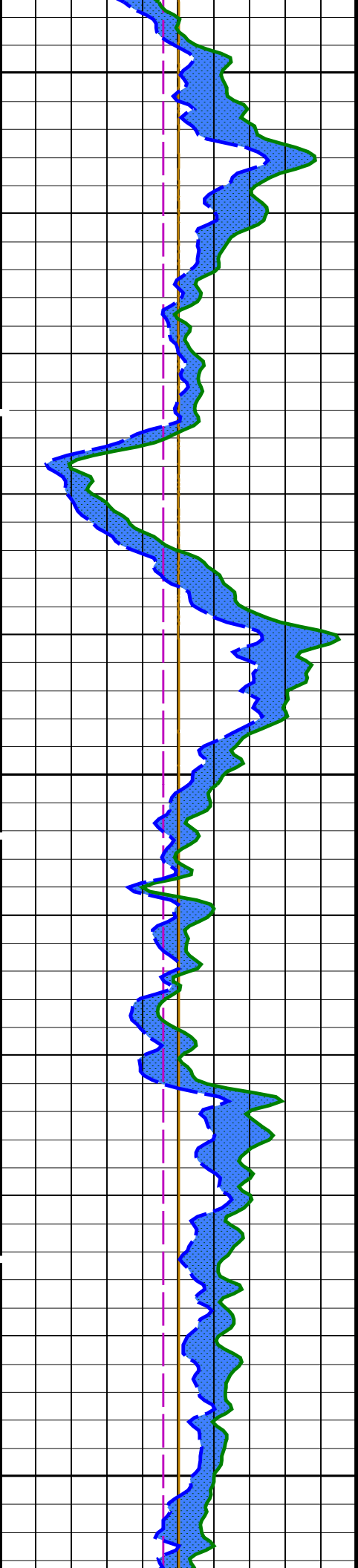


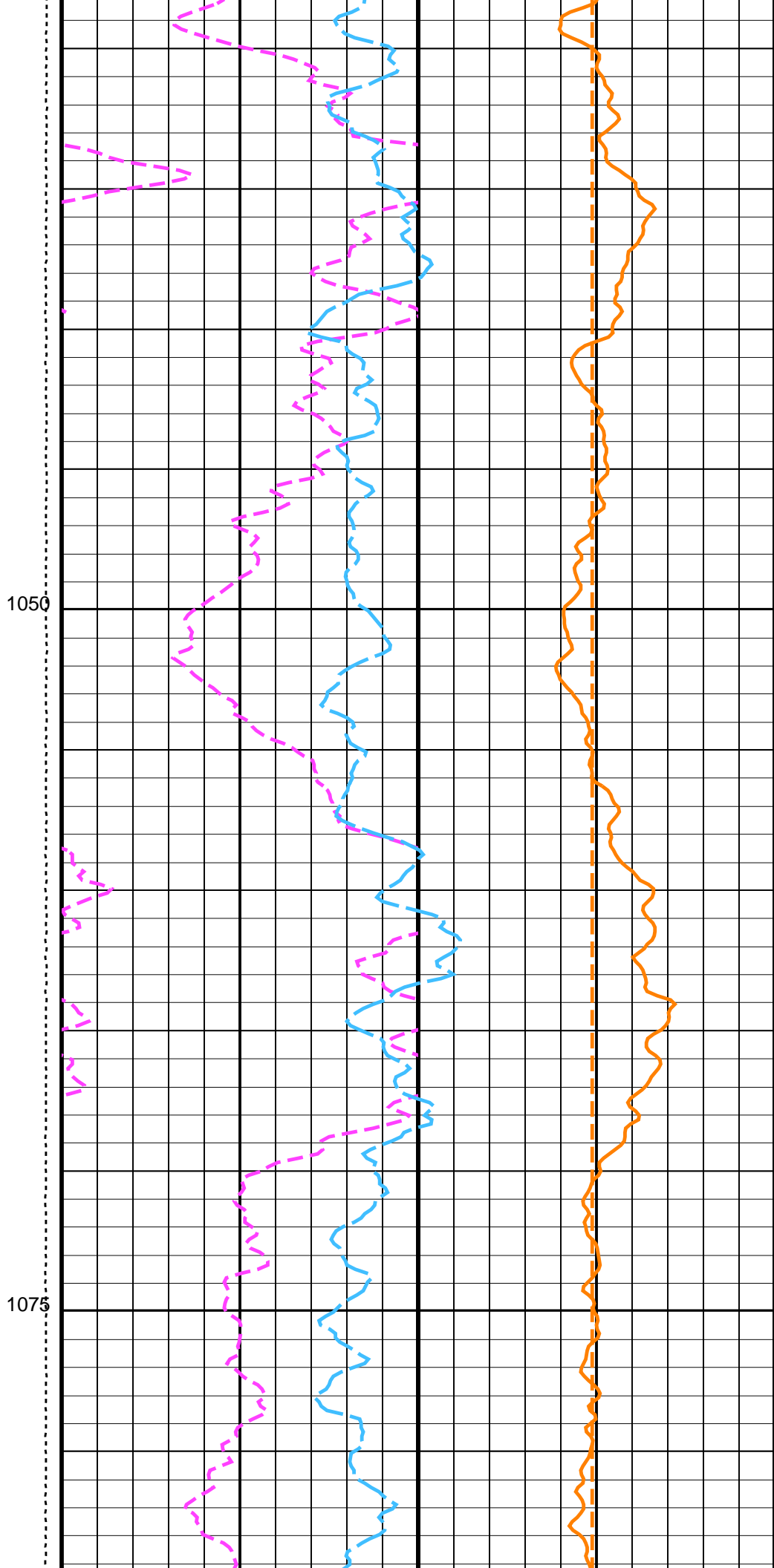
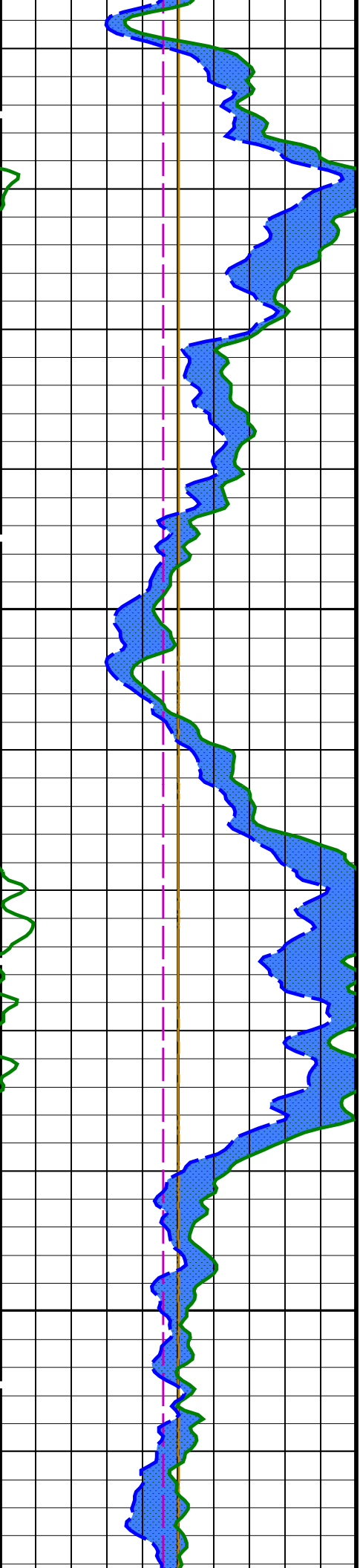


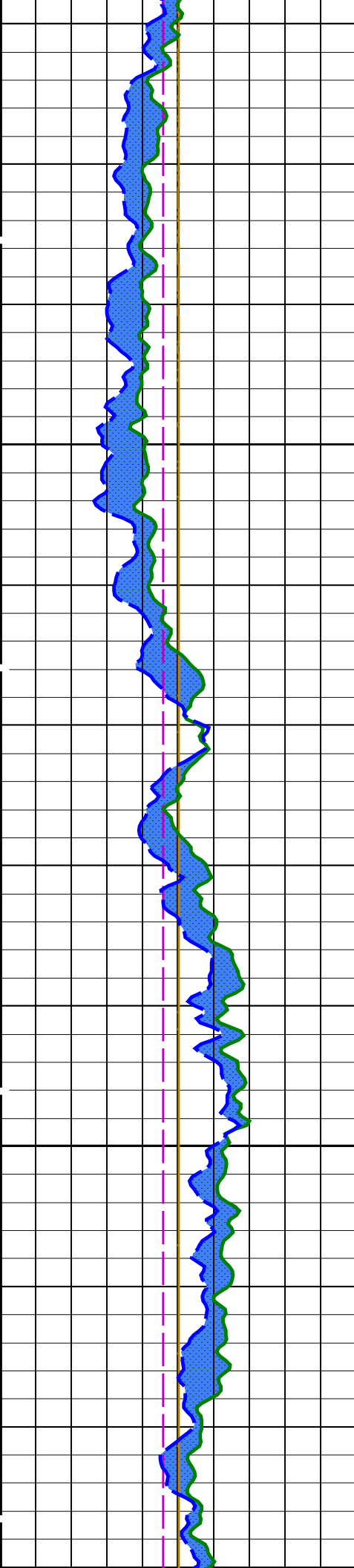
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950



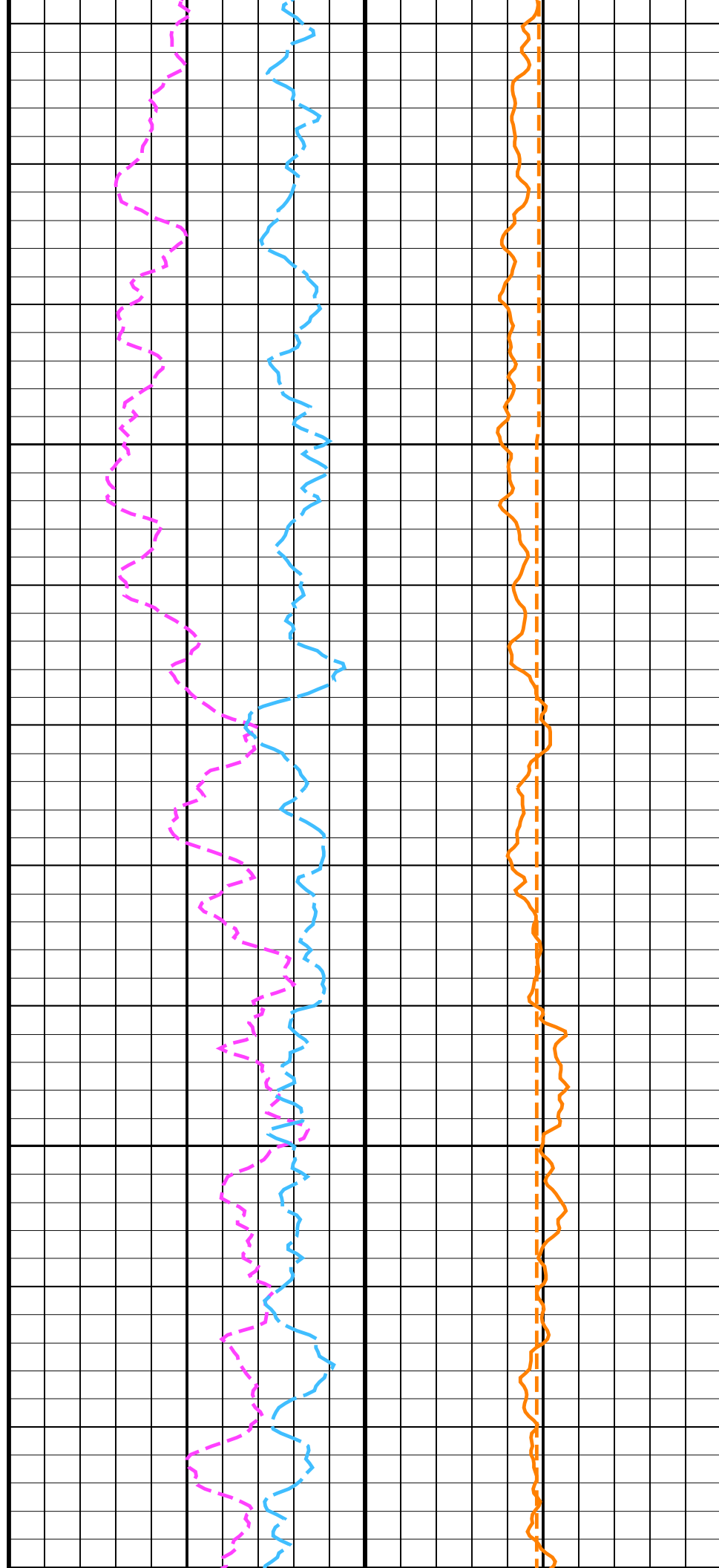


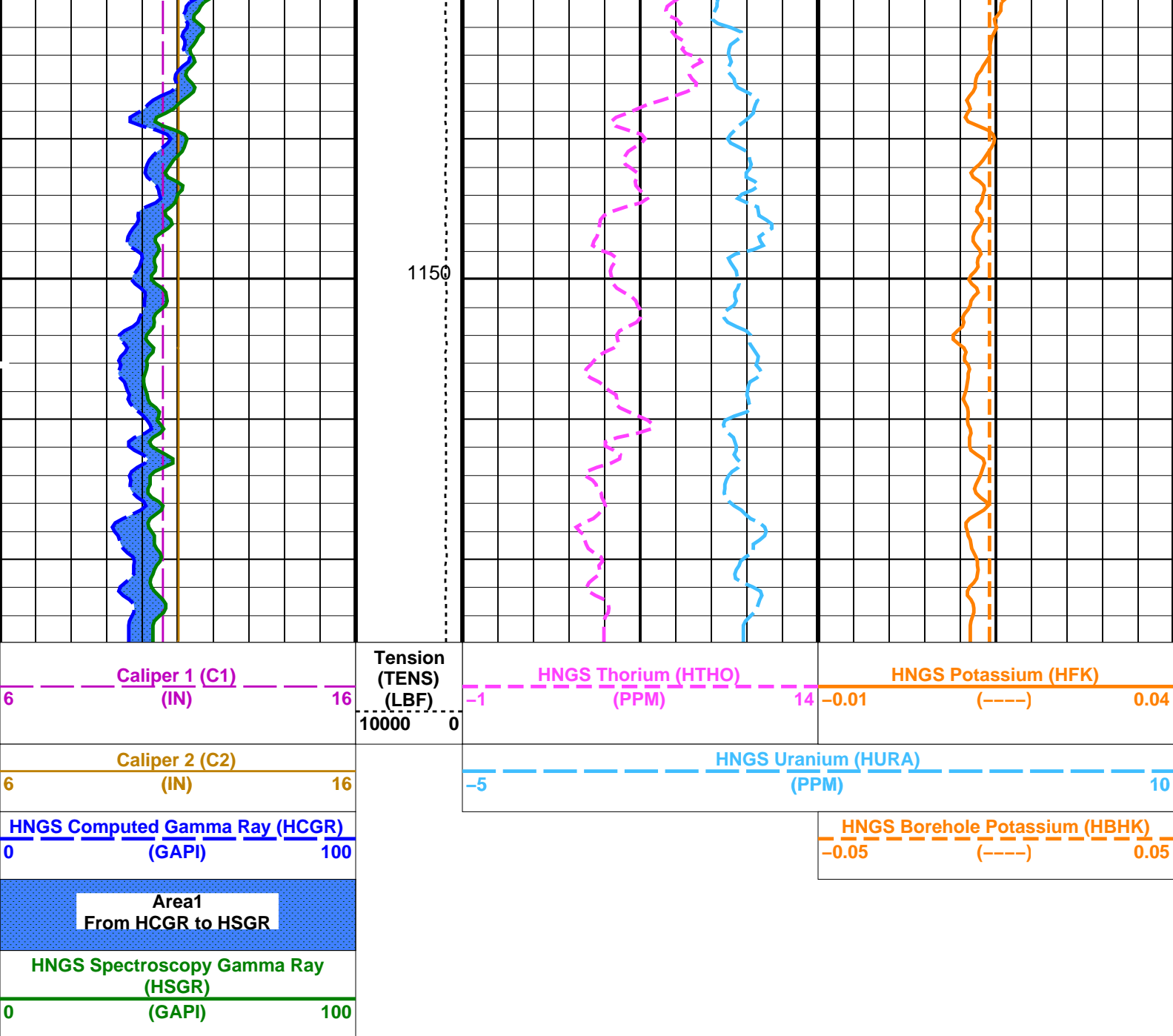




1100

1125





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	-0.00246403
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	1.3 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS

SGRC	HNGS Detector 2 Calibration Baseline Count Rate	YES	OF 0
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.962617	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.956523	
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	9.00	LB/G
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 01-Oct-2023 15:25

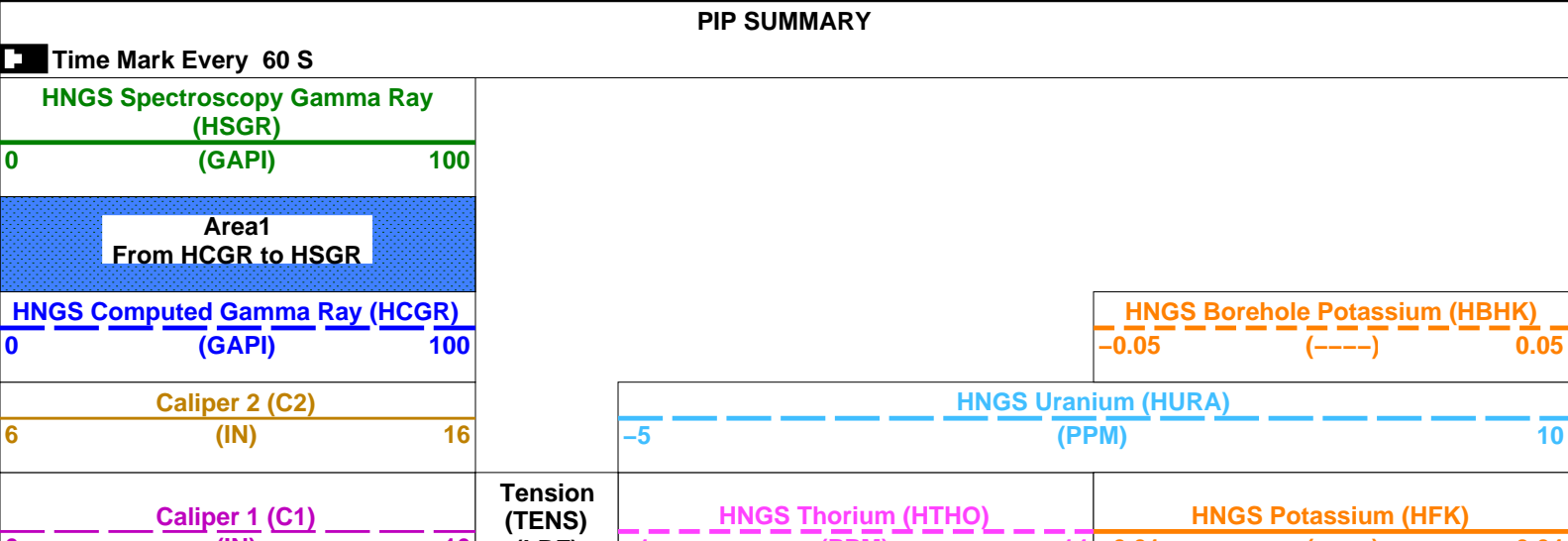
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MEST-B	19C0-187	DTA-A	19C0-187		
HNGC-B	19C0-187	HNGS-BA	19C0-187		
EDTC-B	19C0-187				
Input DLIS Files					
DEFAULT	Flip_FMS_NGS_013LUP	PRODUCER	30-Sep-2023 03:49	1163.1 M	587.5 M
Output DLIS Files					
DEFAULT	FMS_NGS_018PUP	FN:15	PRODUCER	01-Oct-2023 15:25	

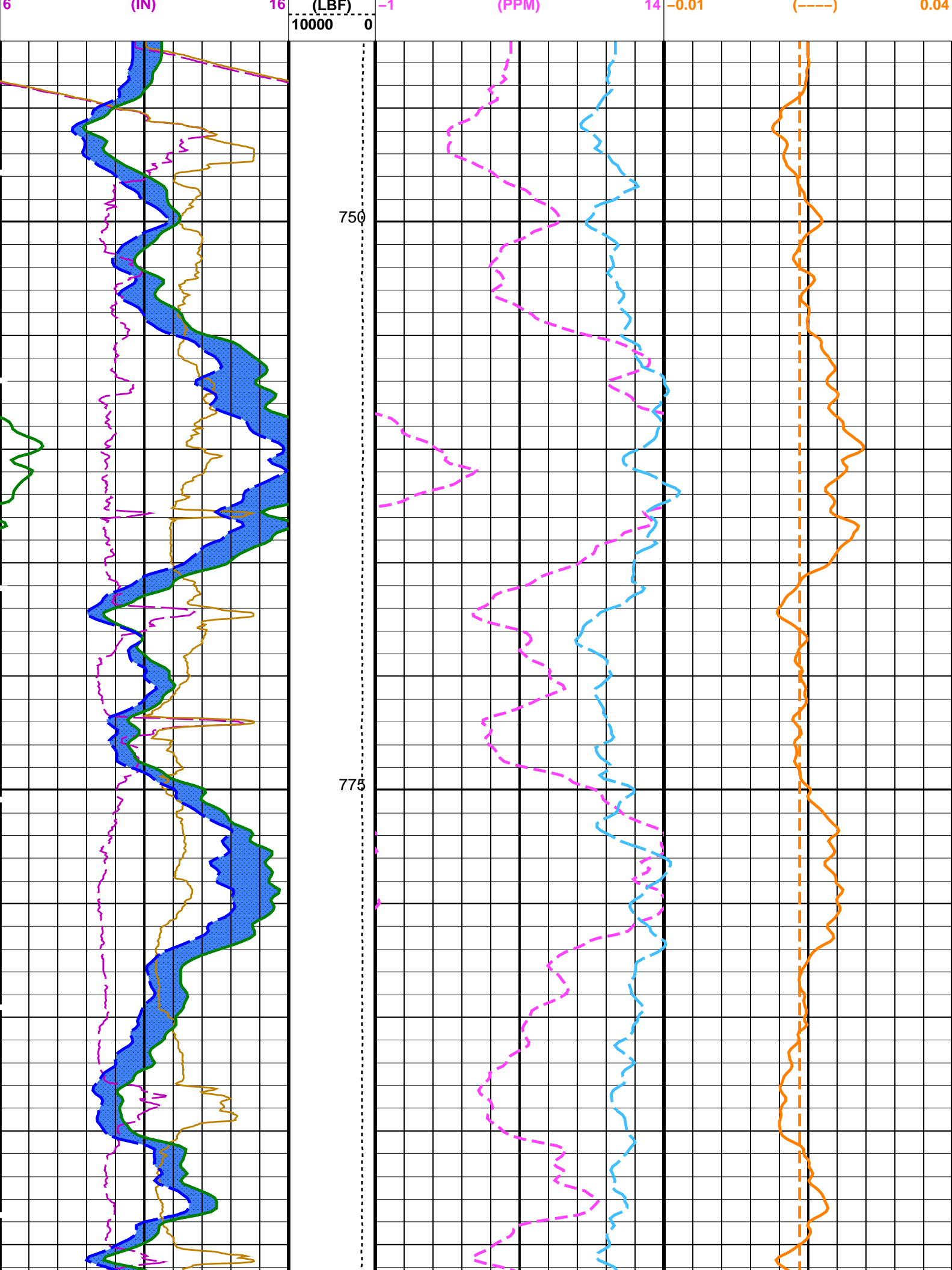
Schlumberger

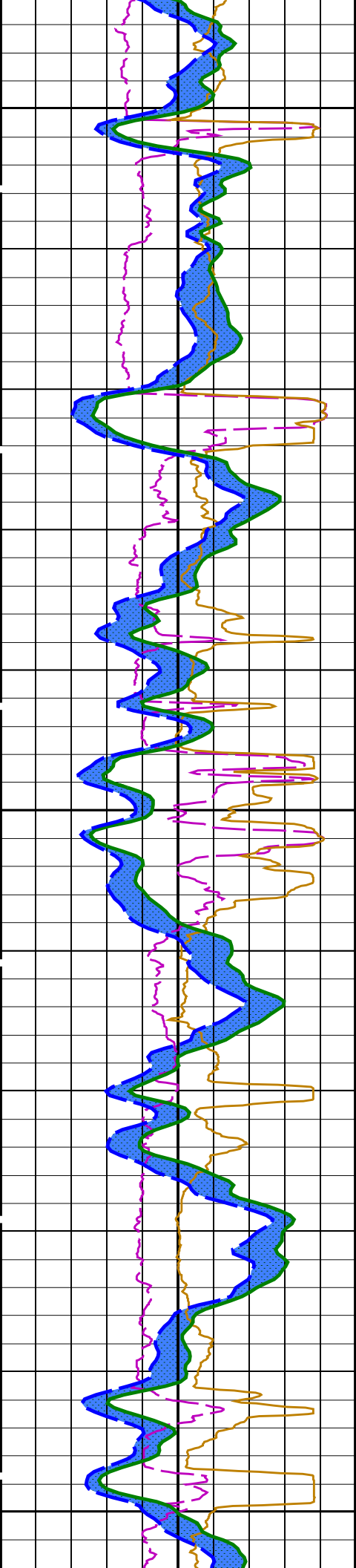
Repeat Pass

MAXIS Field Log

Output DLIS Files					
DEFAULT	FMS_NGS_014LUP	FN:11	PRODUCER	30-Sep-2023 03:50	1177.3 M 742.2 M
OP System Version: 19C0-187					
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HNGC-B	19C0-187	HNGS-BA	19C0-187		
EDTC-B	19C0-187				



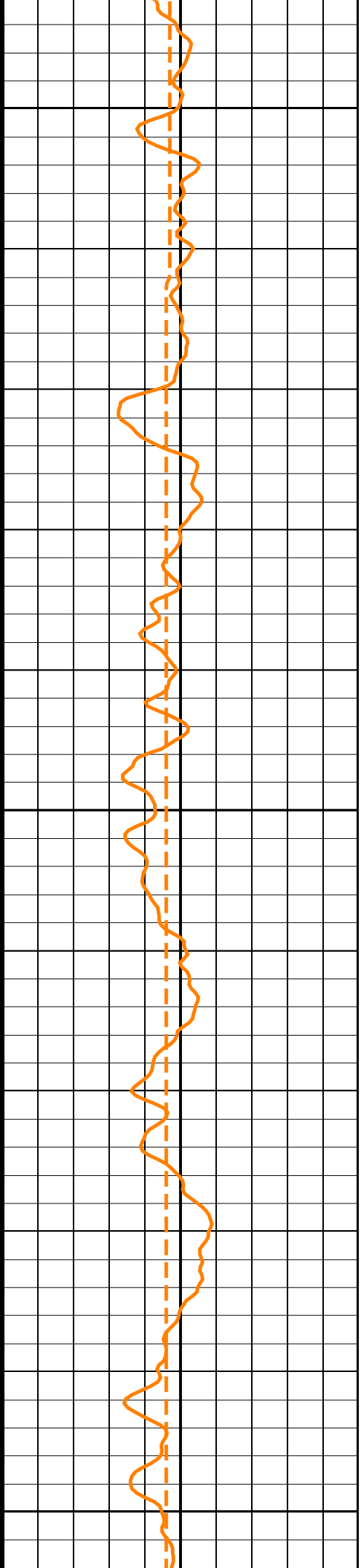
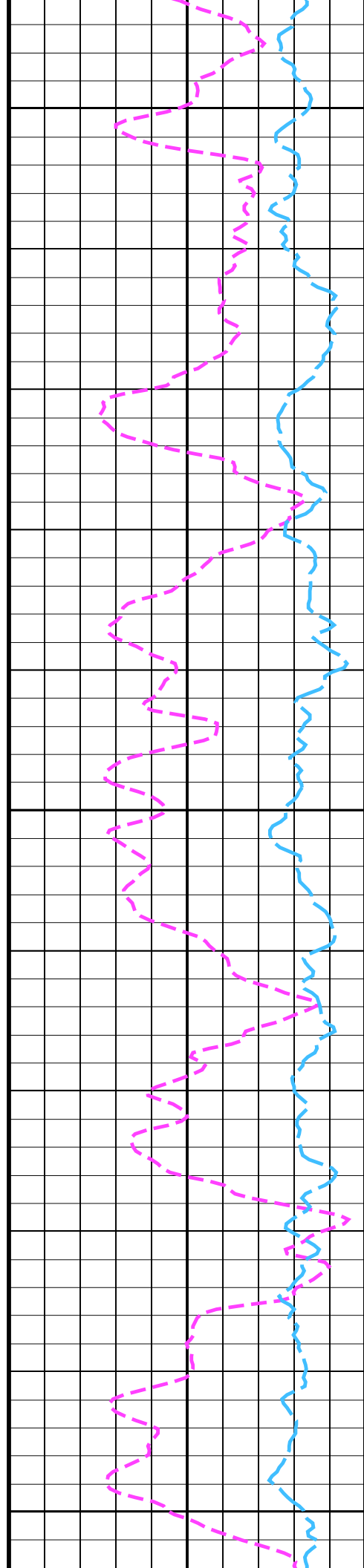


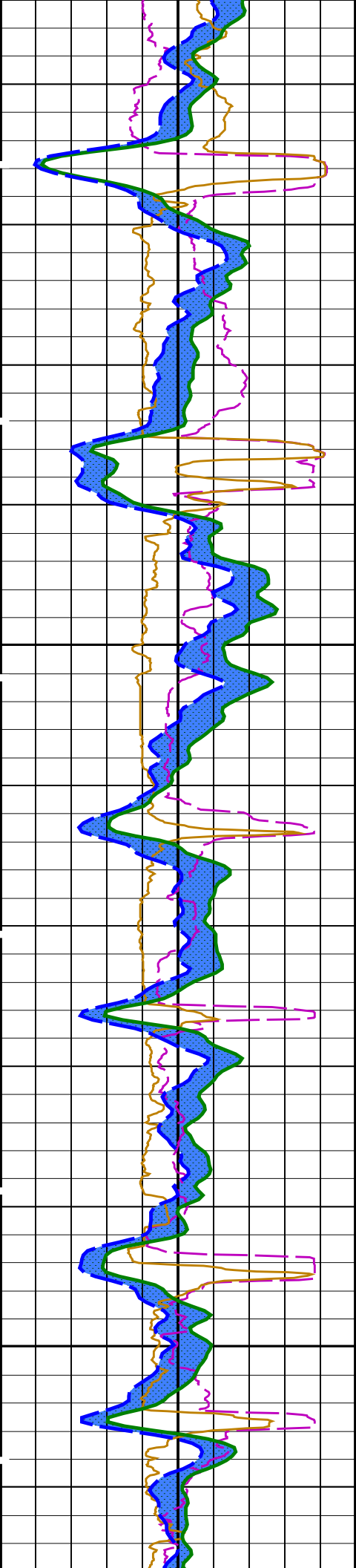


800

825

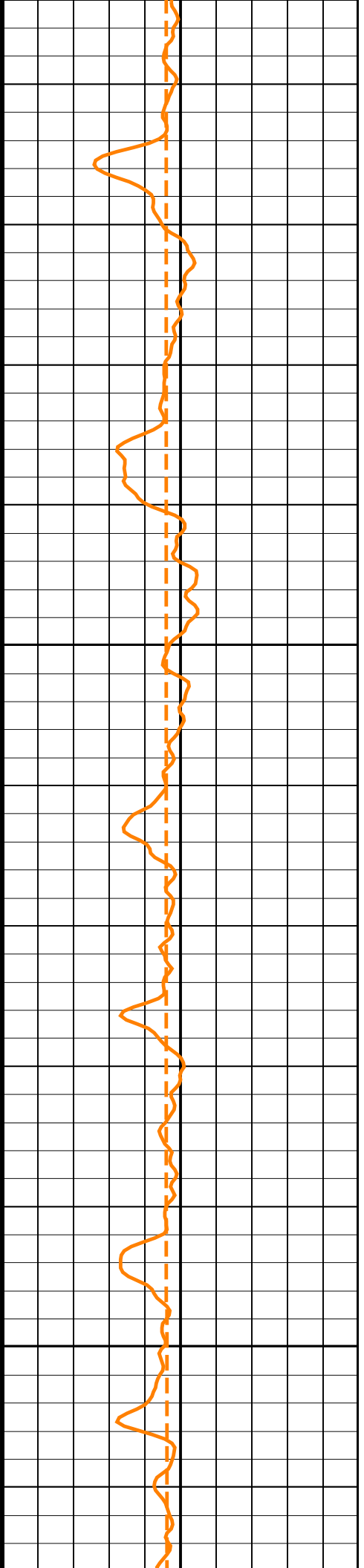
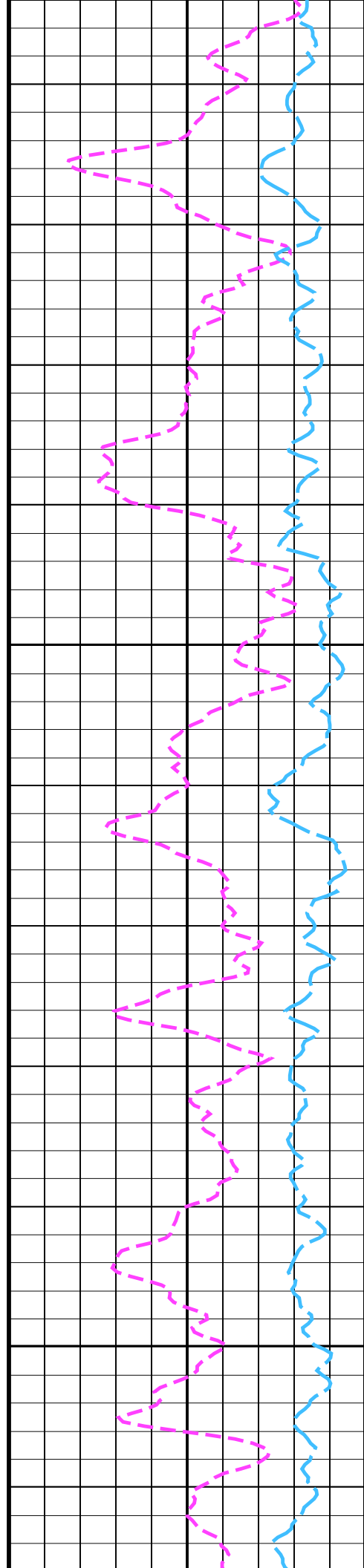
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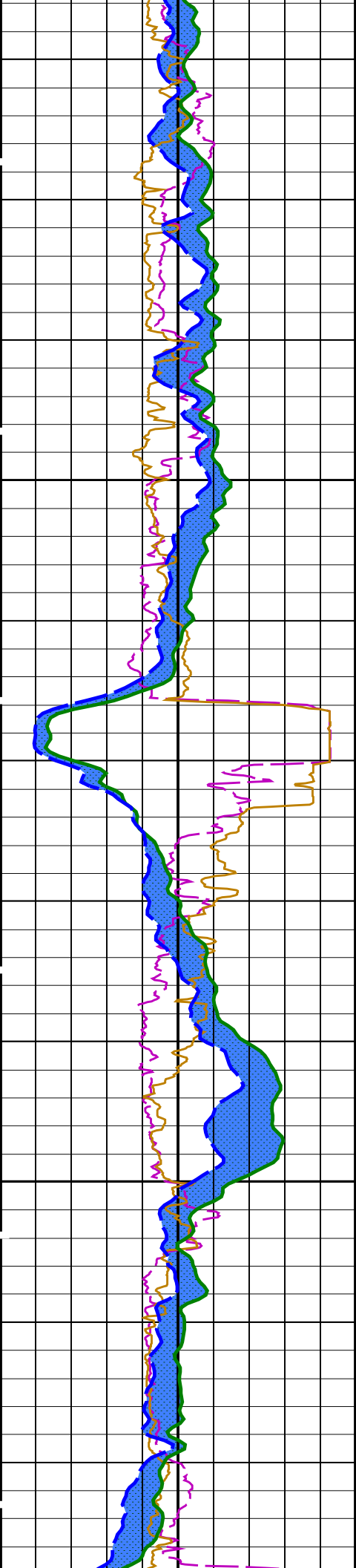




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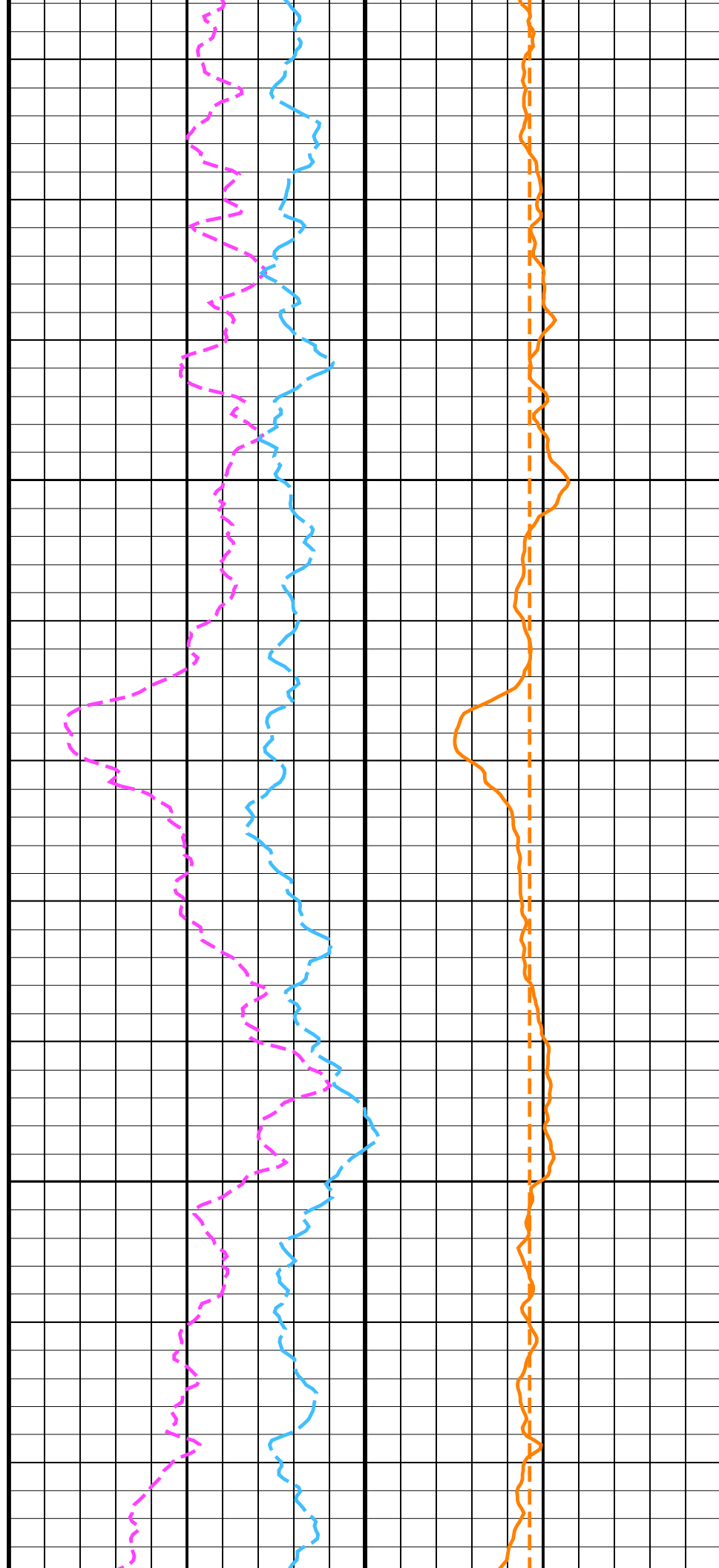
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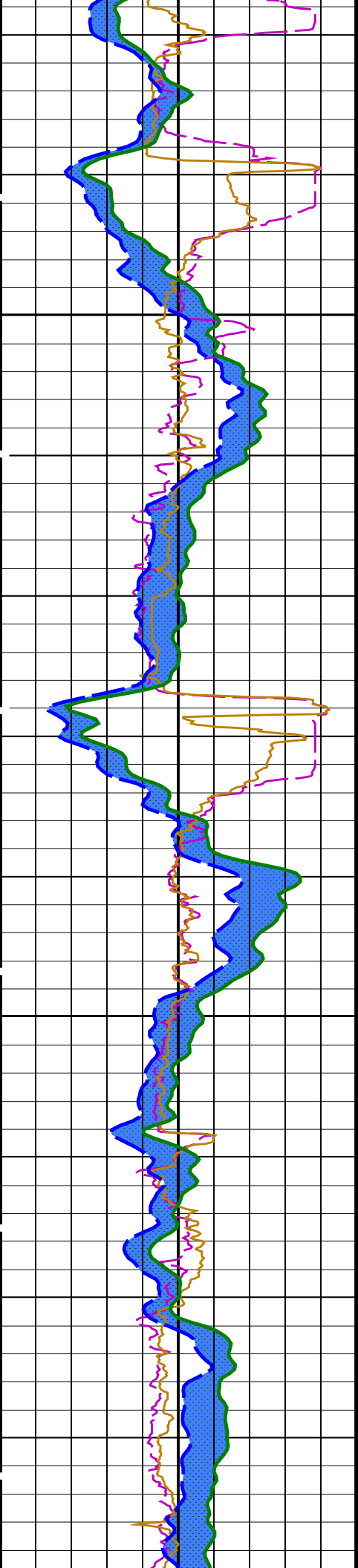




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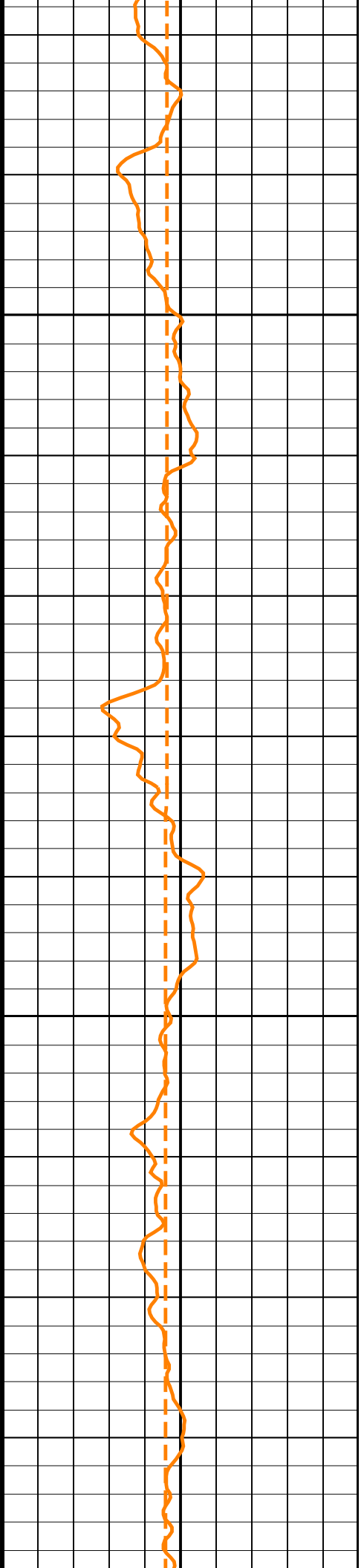
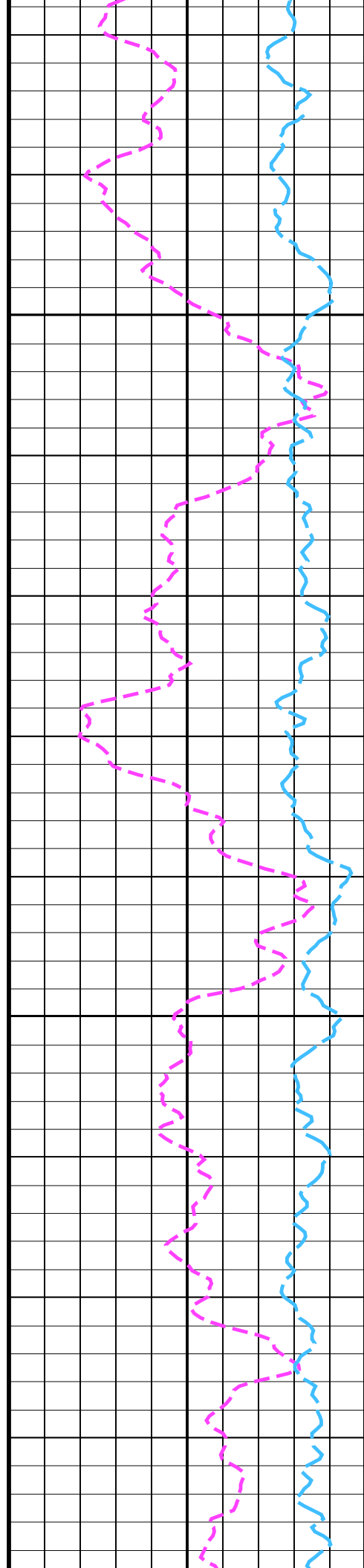
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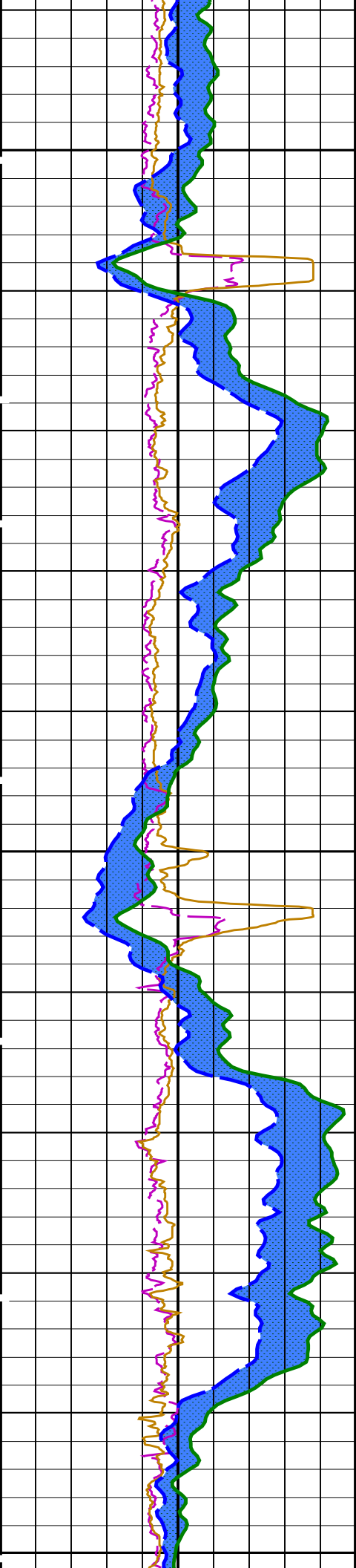




975

1000

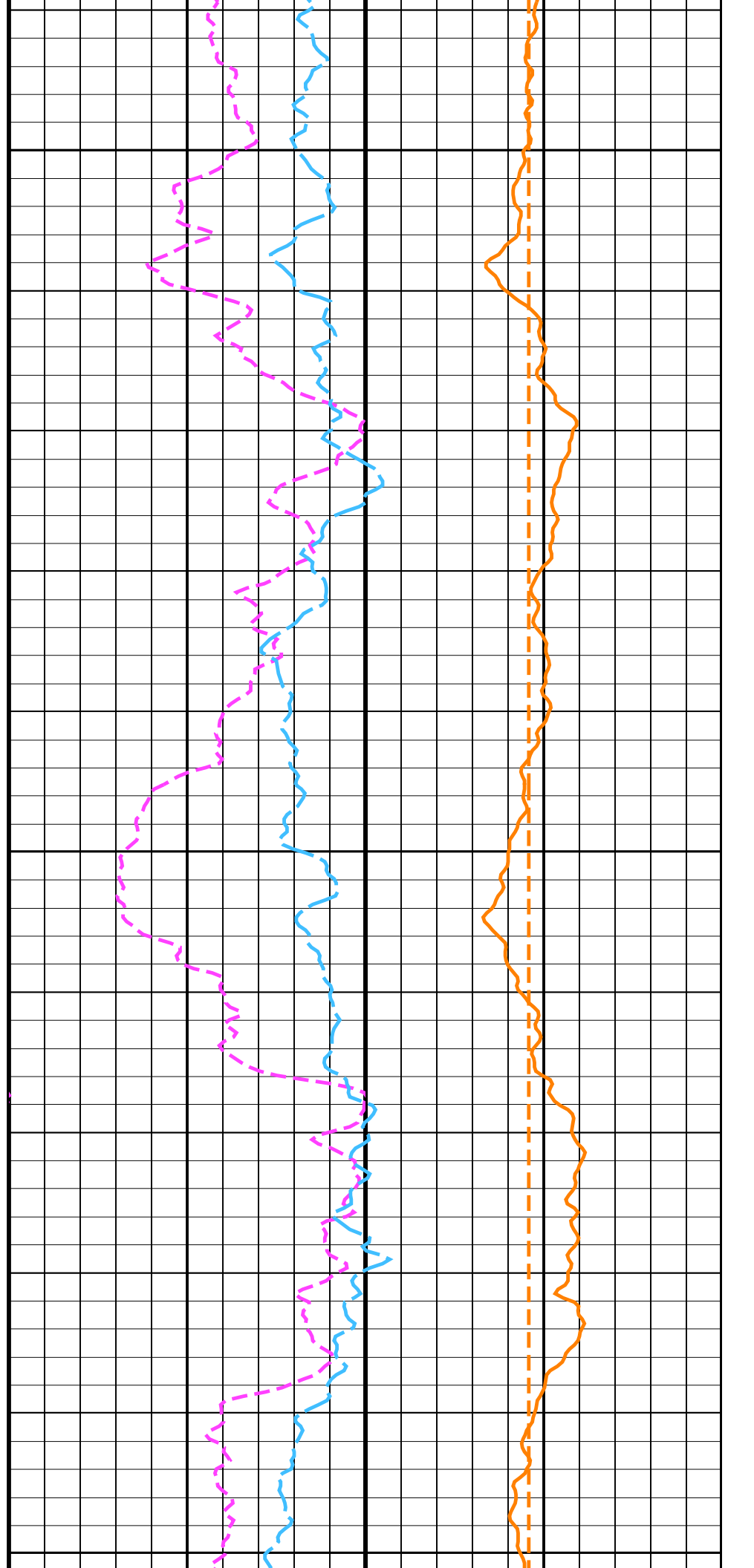


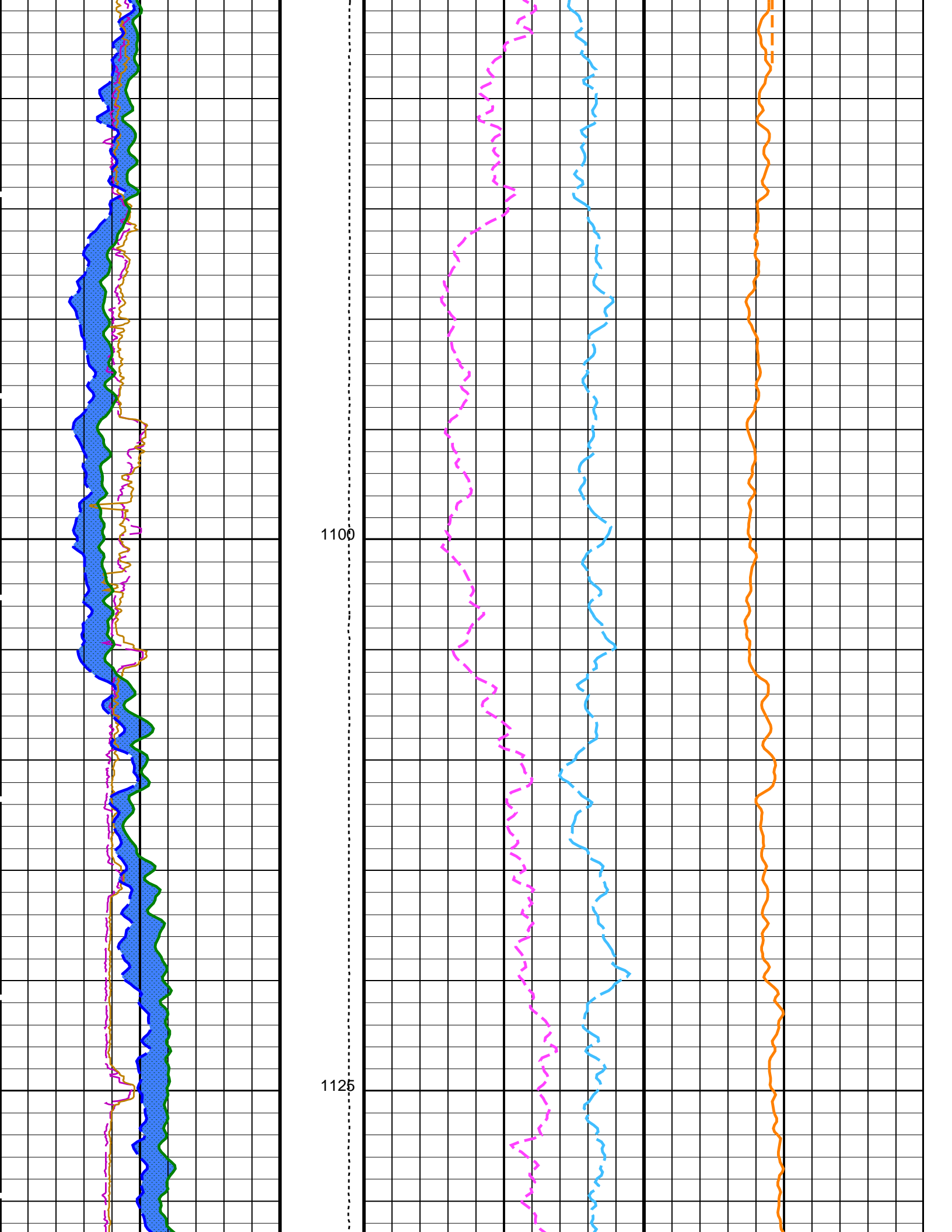


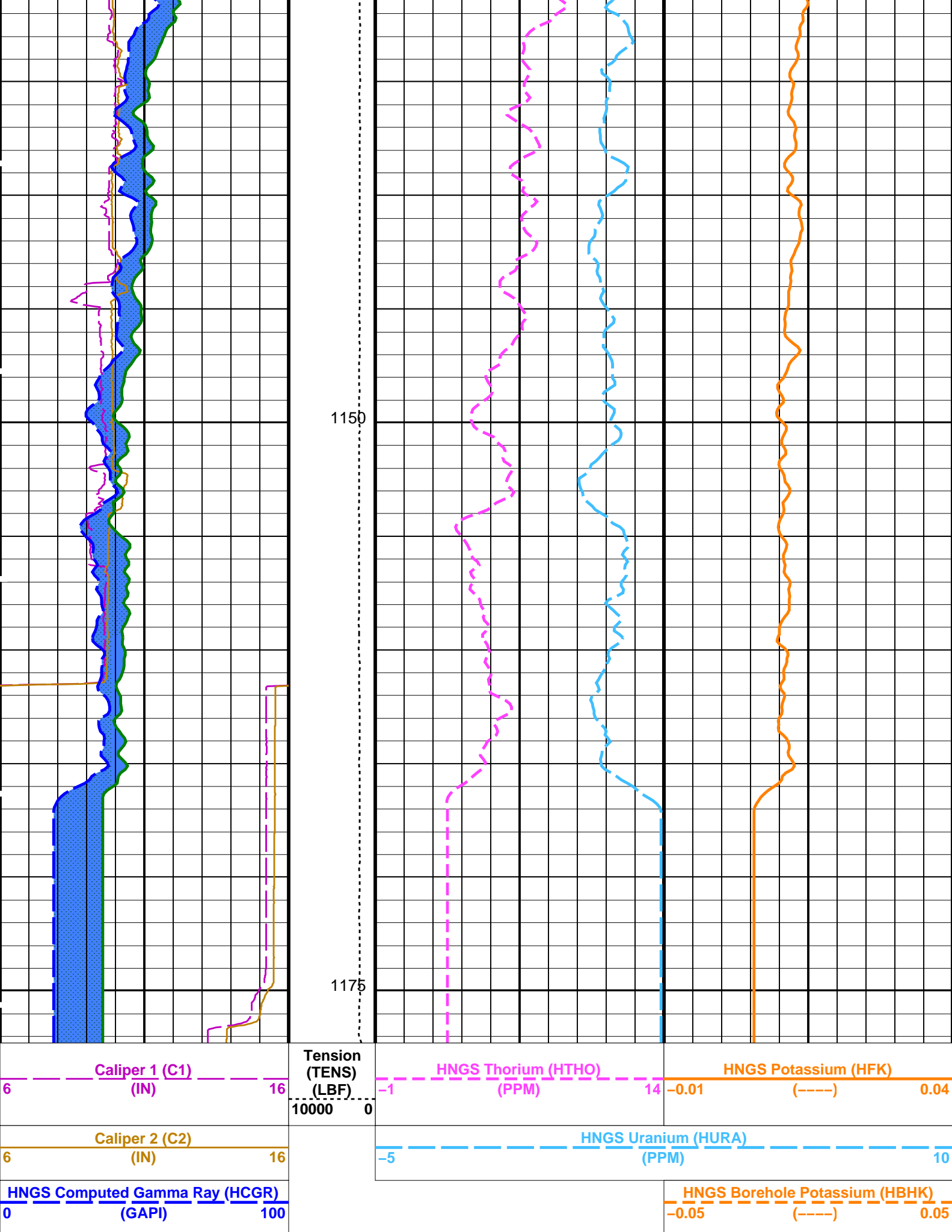
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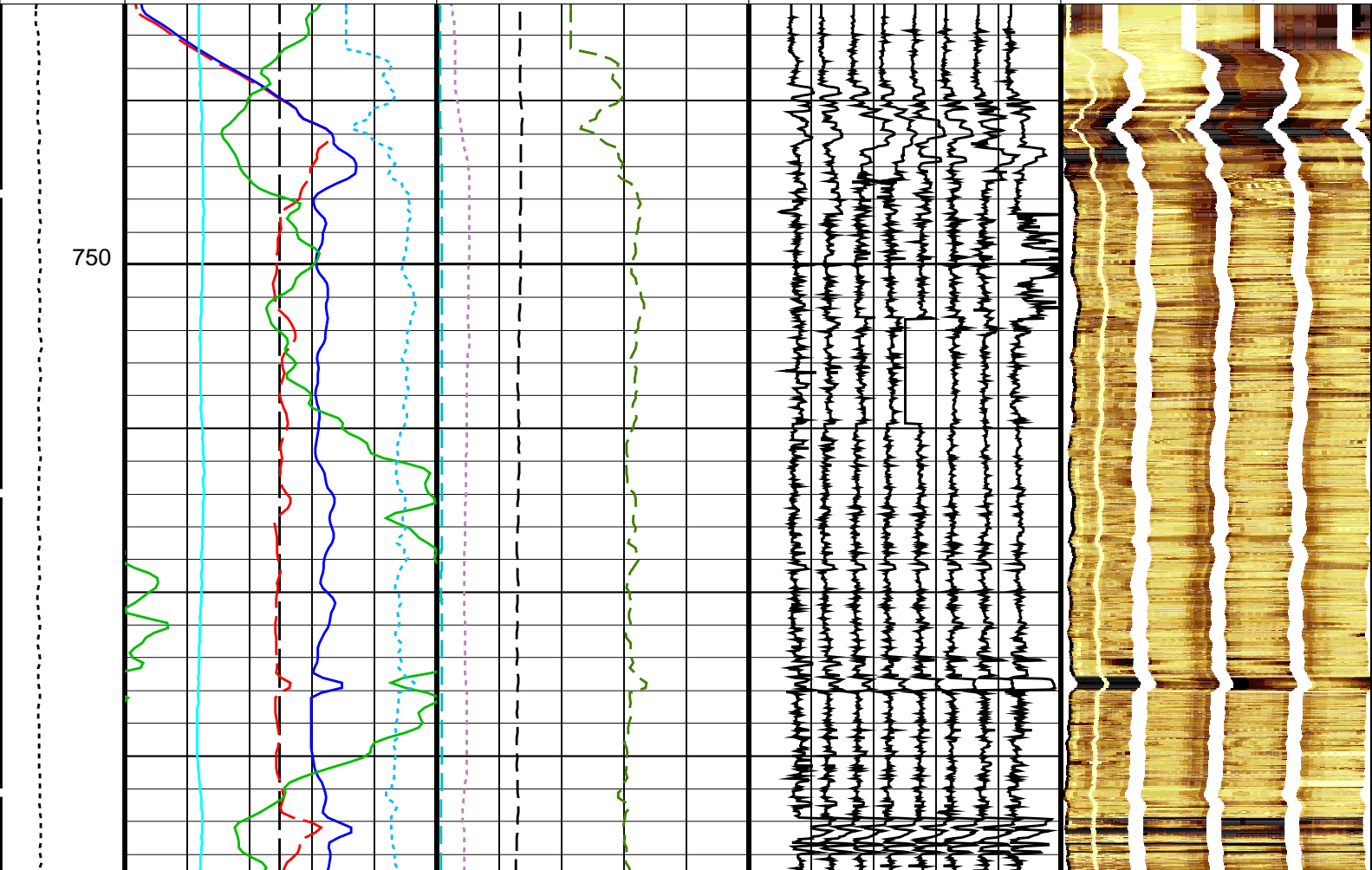
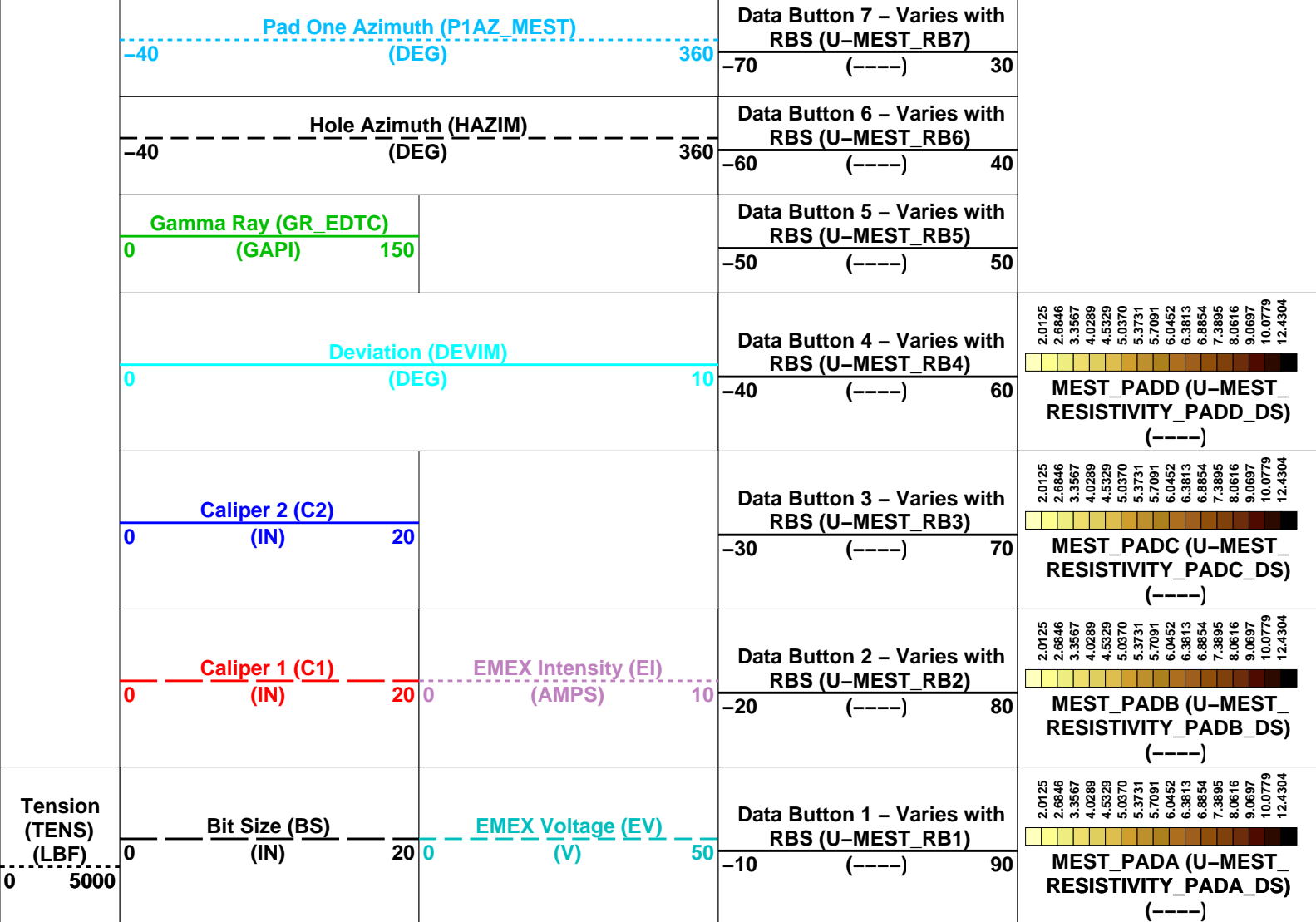
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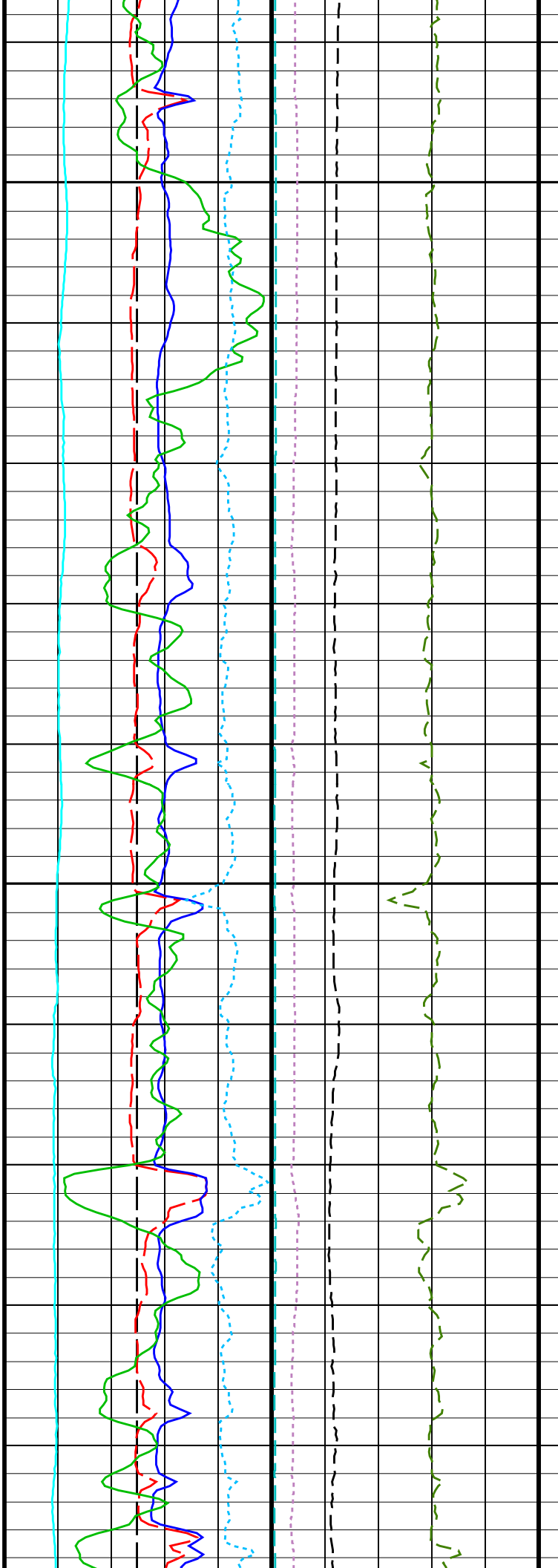
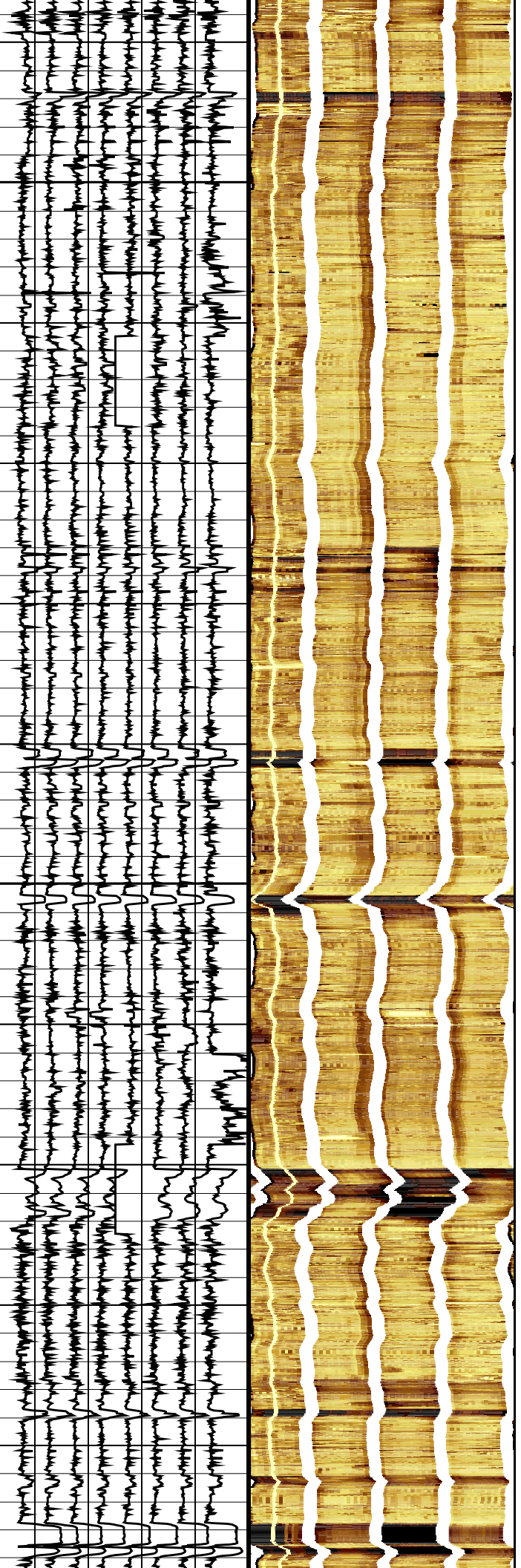






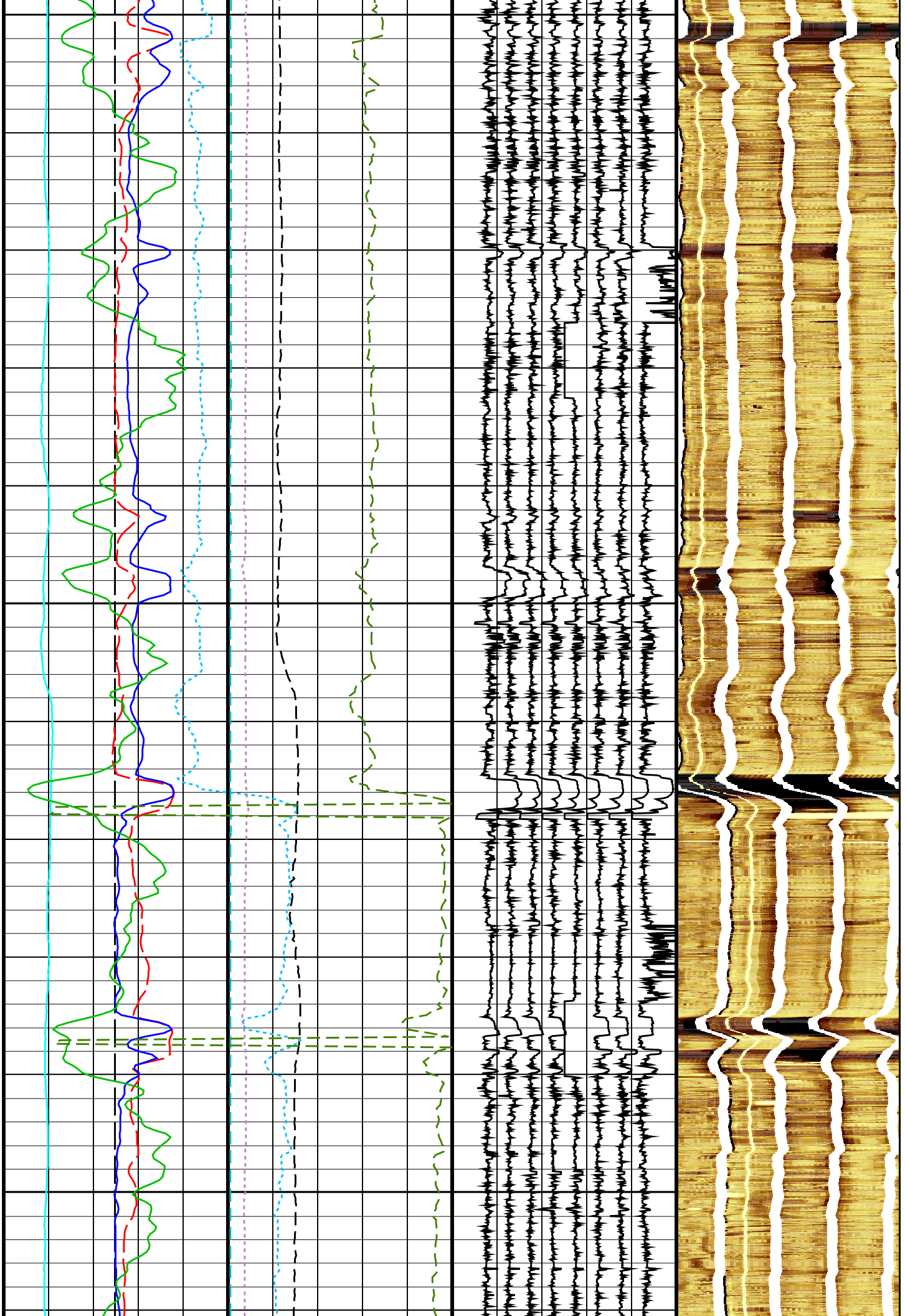
From HCGR to HSGR			
HNGS Spectroscopy Gamma Ray (HSGR)			
0	(GAPI)	100	
PIP SUMMARY			
Time Mark Every 60 S			
Parameters			
DLIS Name	Description	Value	
HNGS–BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium 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	–0.00246403	
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	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	0.962617	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.956523	
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	9.00	LB/G
Format: HNGSYields		Vertical Scale: 1:200	Graphics File Created: 30–Sep–2023 03:50
OP System Version: 19C0–187			
MEST–B	19C0–187	DTA–A	19C0–187
HNGC–B	19C0–187	HNGS–BA	19C0–187
EDTC–B	19C0–187		
Output DLIS Files			
DEFAULT	FMS_NGS_014LUP	FN:11	PRODUCER 30–Sep–2023 03:50
Company: International Ocean Discovery Program			
Well: Expedition 400, Site U1608A			
Output DLIS Files			
DEFAULT	FMS_NGS_014LUP	FN:11	PRODUCER 30–Sep–2023 03:50 1177.3 M 742.2 M
OP System Version: 19C0–187			
MEST–B	19C0–187	DTA–A	19C0–187
HNGC–B	19C0–187	HNGS–BA	19C0–187
EDTC–B	19C0–187		
PIP SUMMARY			
Time Mark Every 60 S			
	Relative Bearing (RB_MEST) –40 (DEG) 360	Data Button 8 – Varies with RBS (U–MEST_RB8) –80 (----) 20	

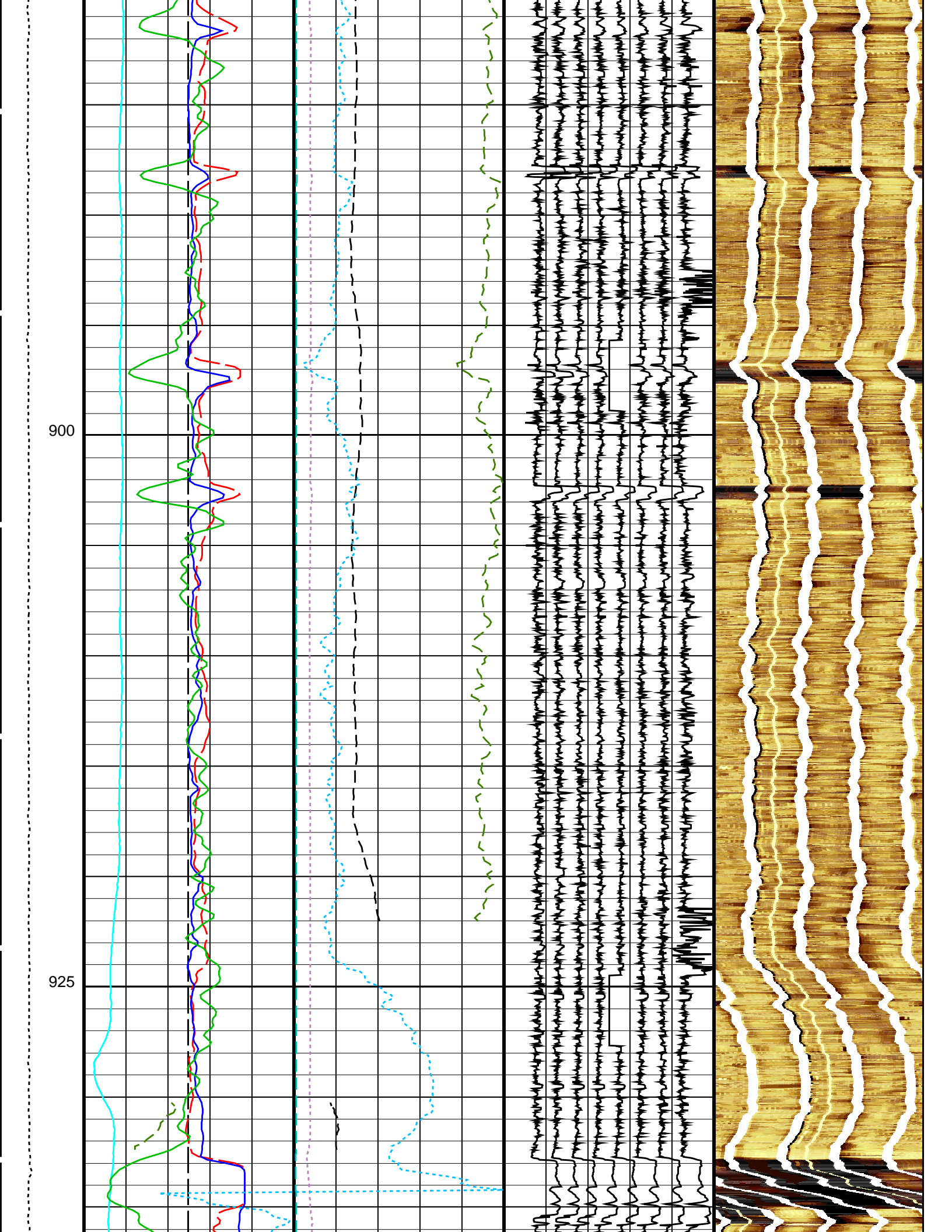


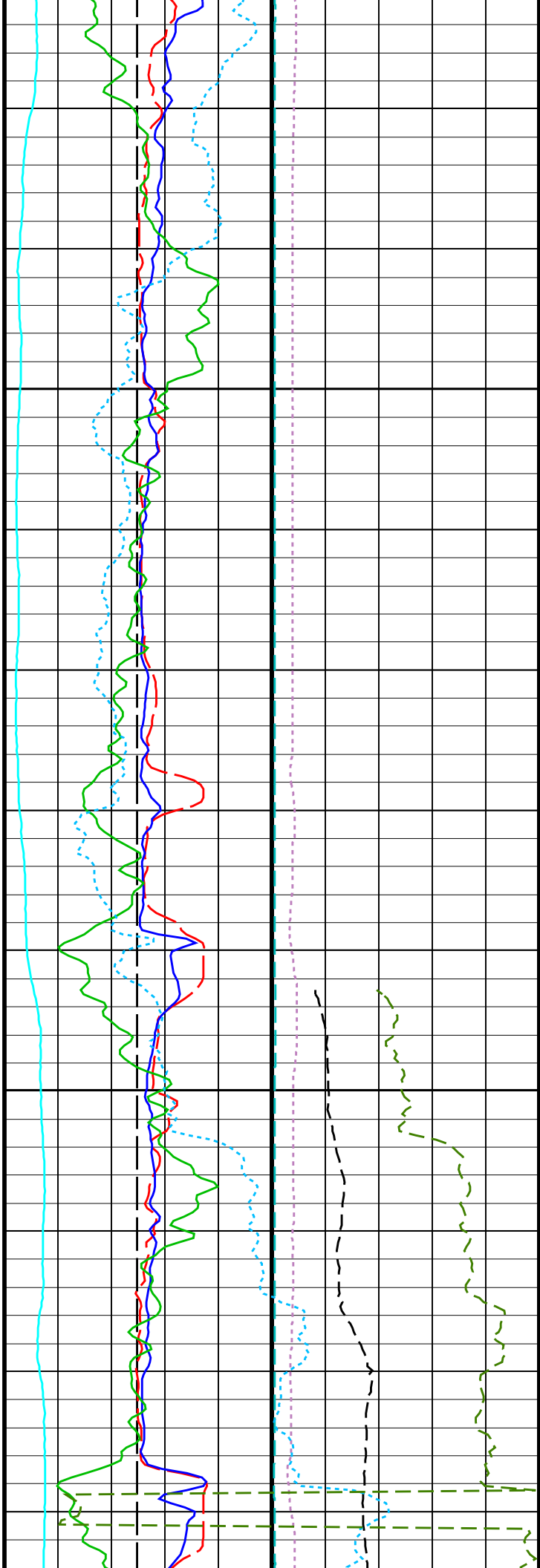
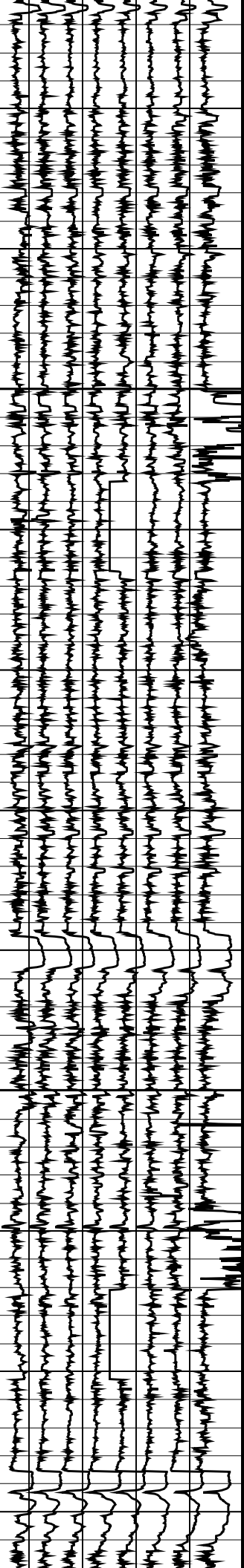
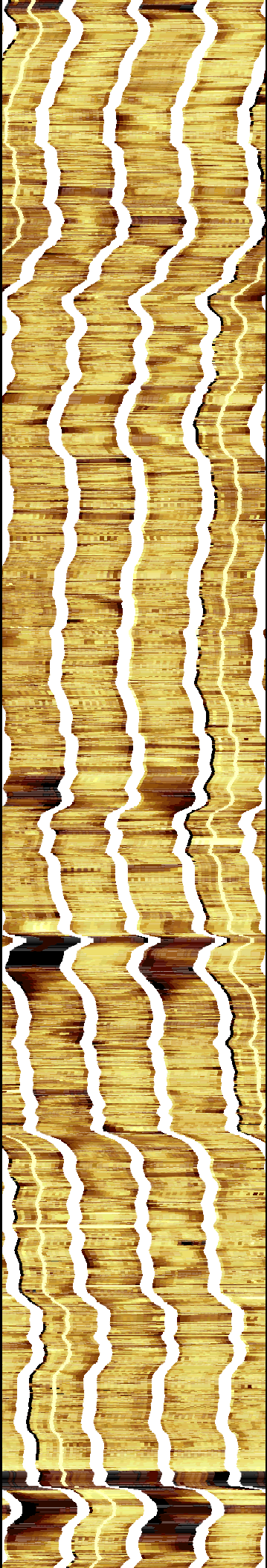


775

800

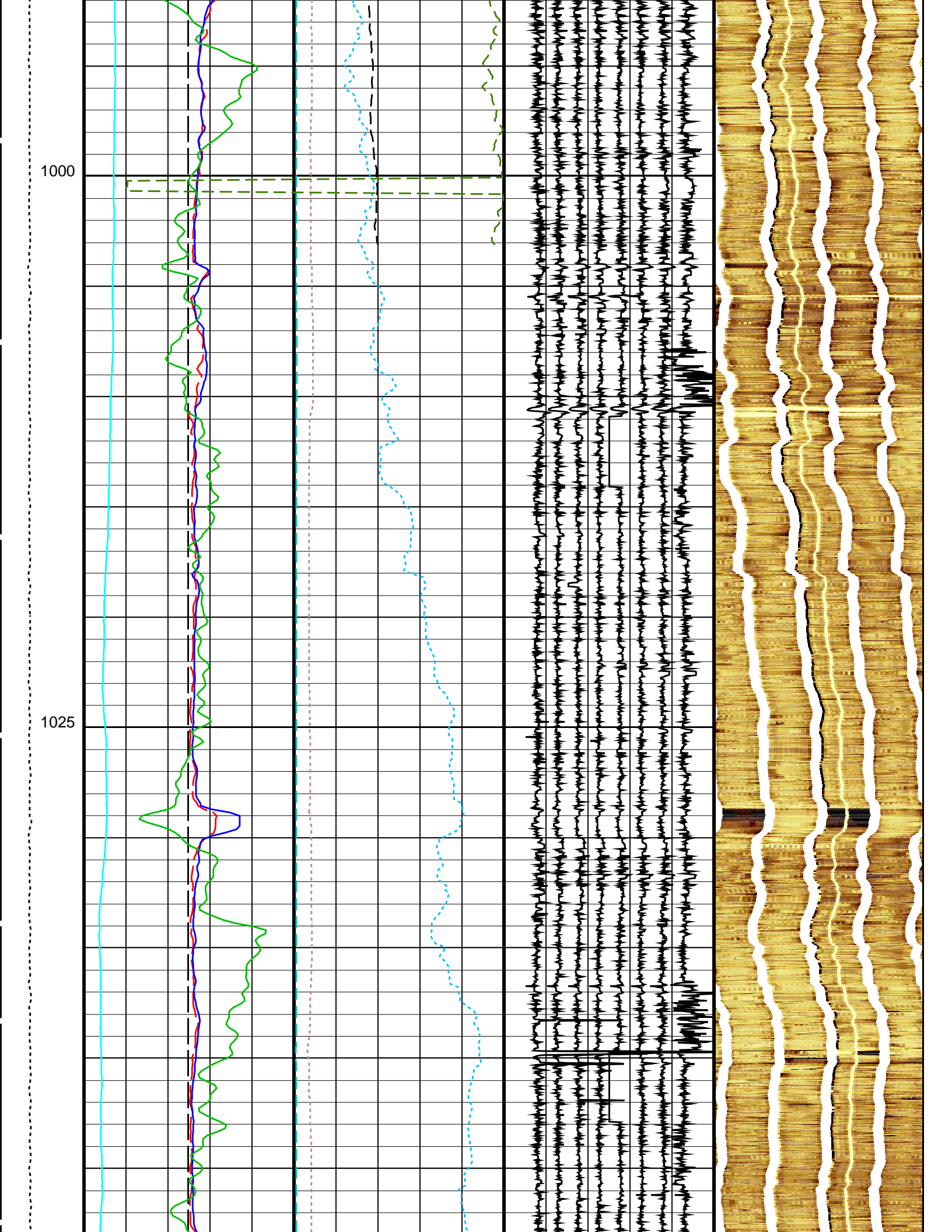






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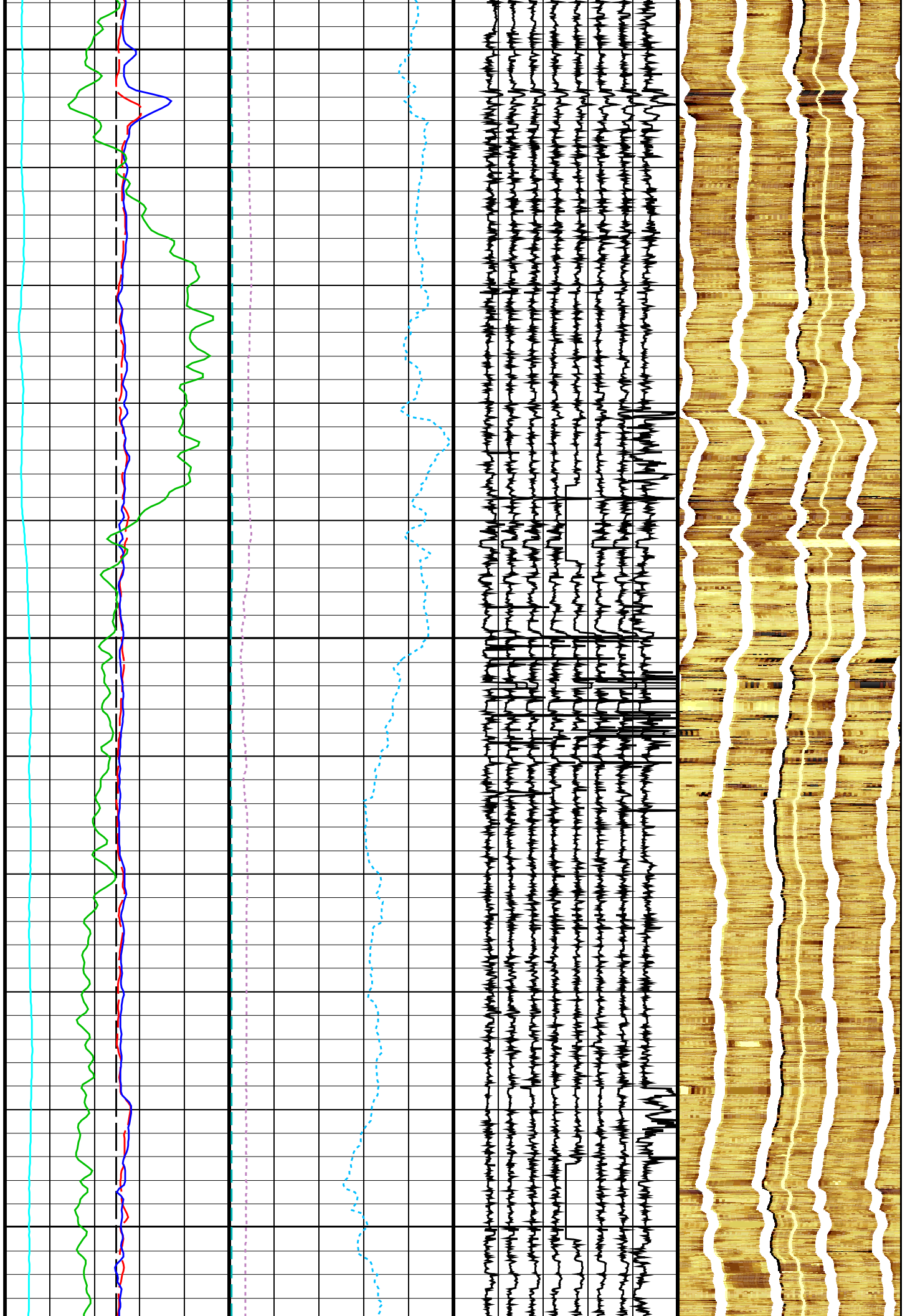
975



1050

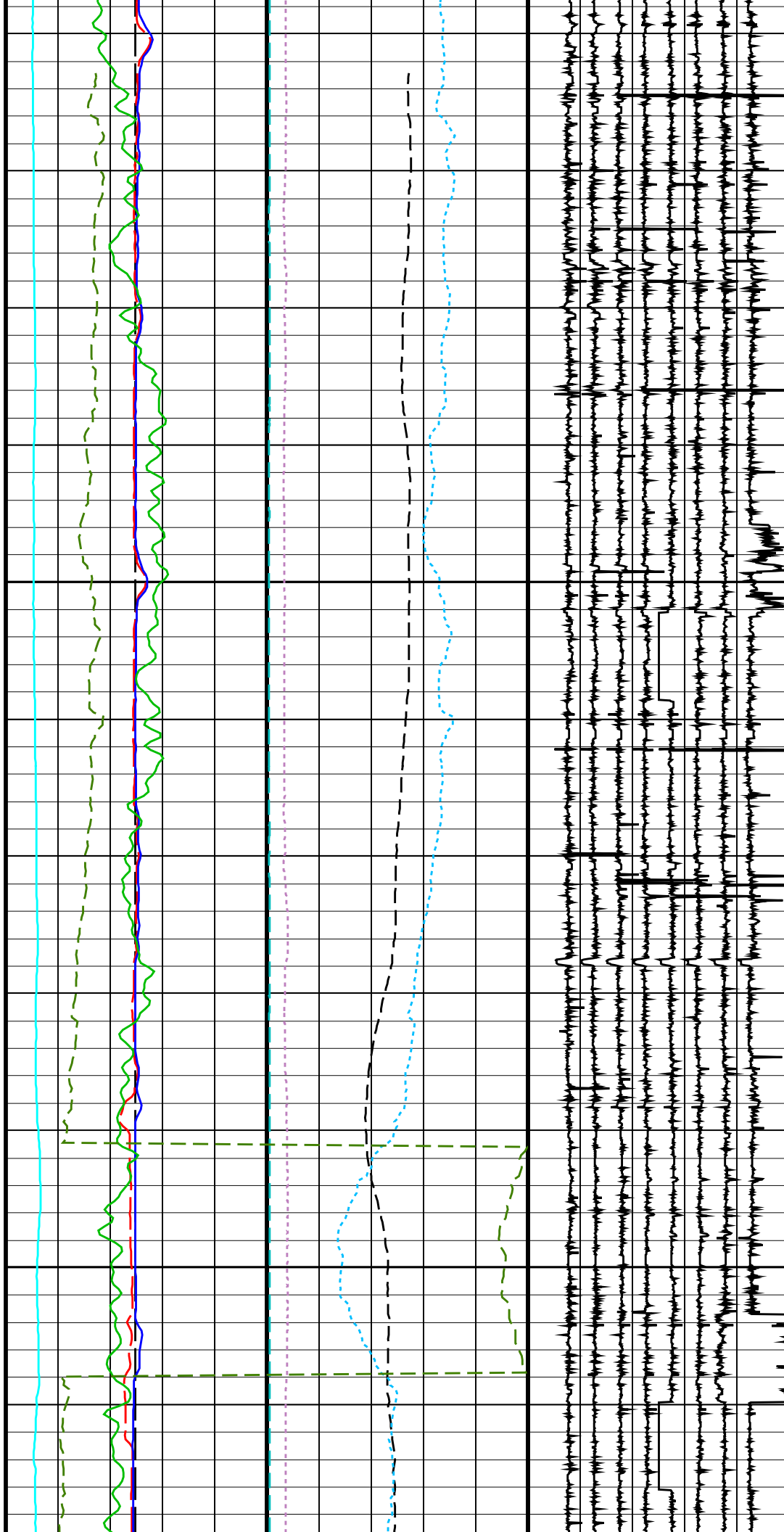
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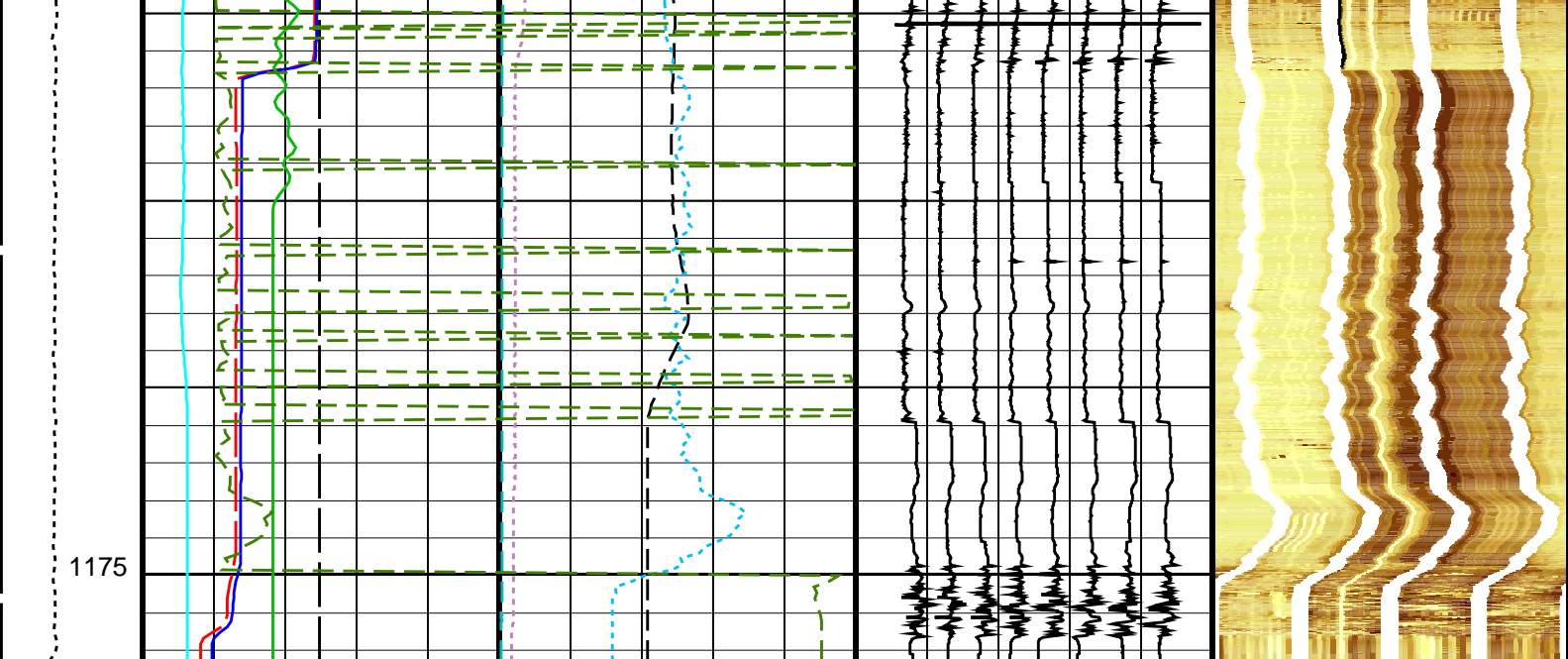
1100



1125

1150





Tension (TENS) (LBF)	Bit Size (BS) (IN)		EMEX Voltage (EV) (V)		Data Button 1 – Varies with RBS (U-MEST_RB1)		MEST_PADA (U-MEST_RESISTIVITY_PADA_DS) (-----)	
	0 20		0 50		-10 (----) 90		<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></d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PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
-----------	-------------	-------

MEST-B: Micro Electrical Scanner – B (Slim)	Accelerometer Filtering Mode	MOVING_AVERAGE	
AFMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
ICMO	Magnetic Field Declination	-35.903	DEG
MDEC	MEST Logging Mode	SCAN1800	
MLM	Resistivity Button Selection	AUTO	
RBS	Gain	GAIN_2	
XGAI	Offset	OFFSET_0	
XOFF	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:200 Graphics File Created: 30-Sep-2023 03:50

OP System Version: 19C0-187			
MEST-B	19C0-187	DTA-A	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	19C0-187		

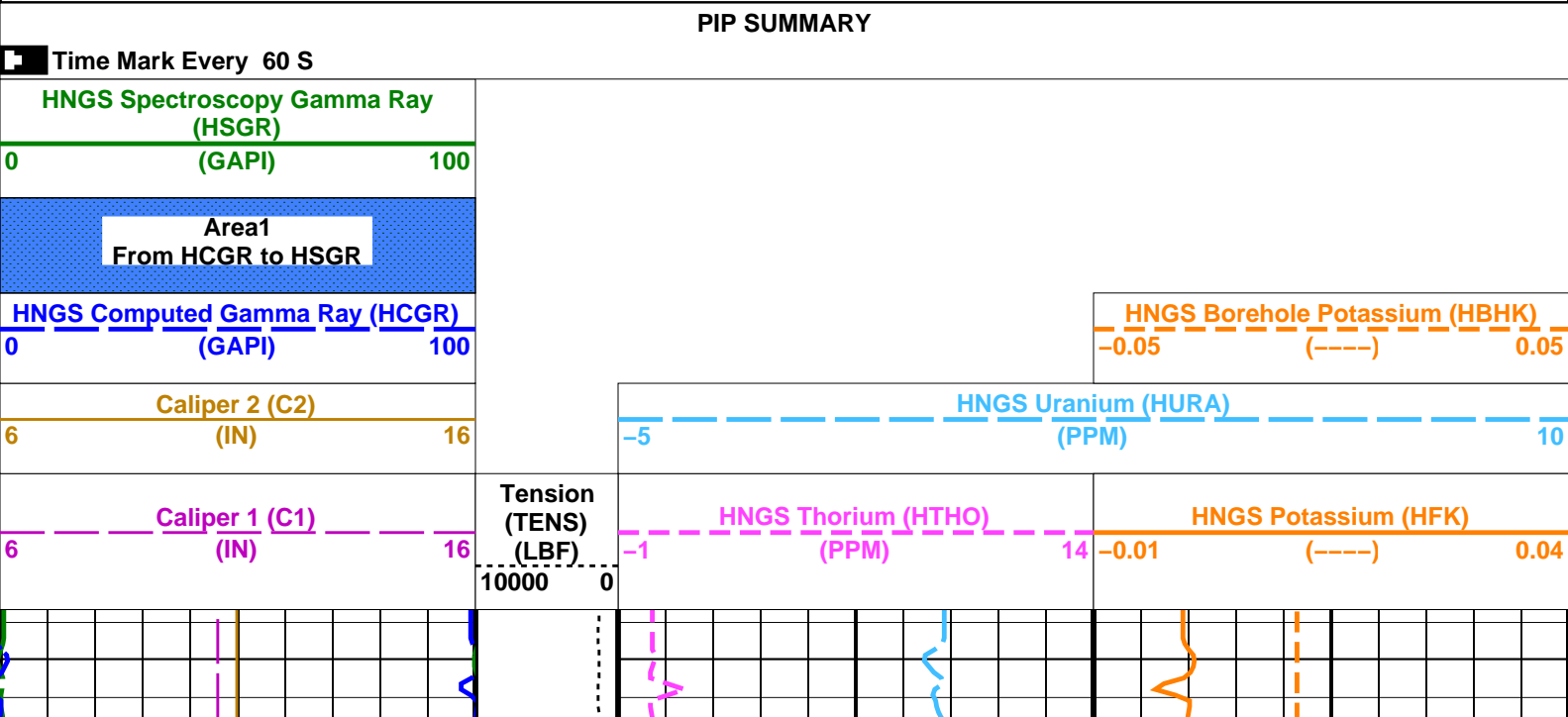
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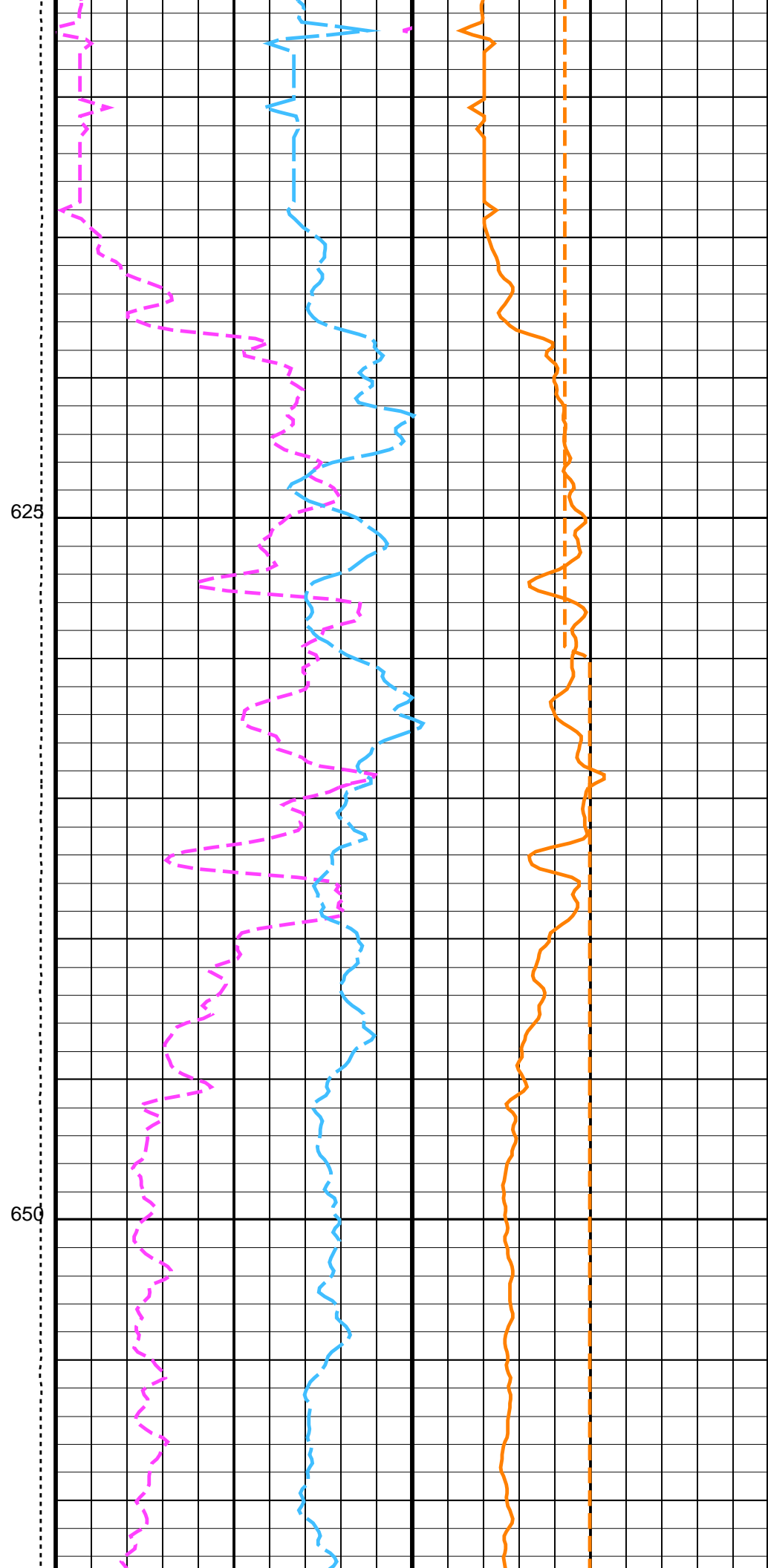
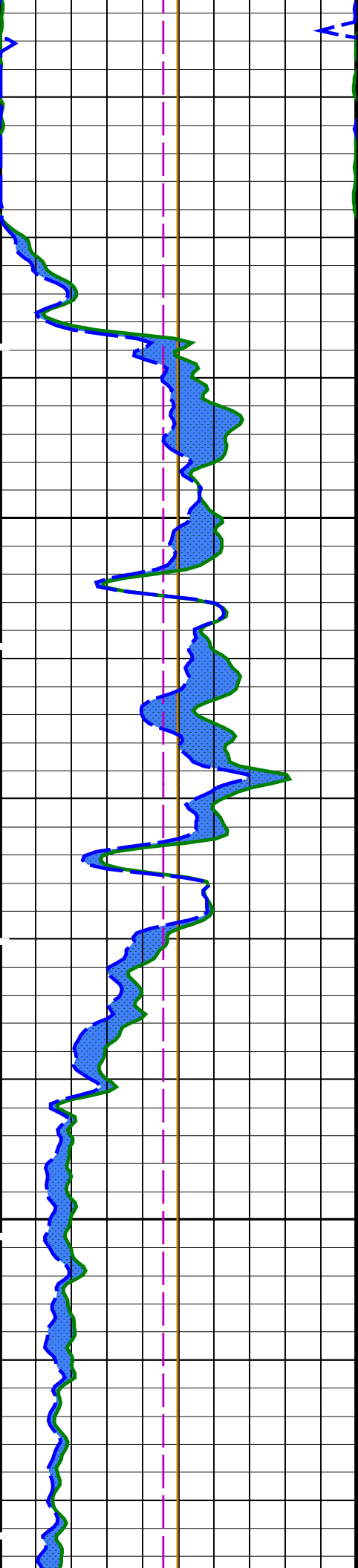


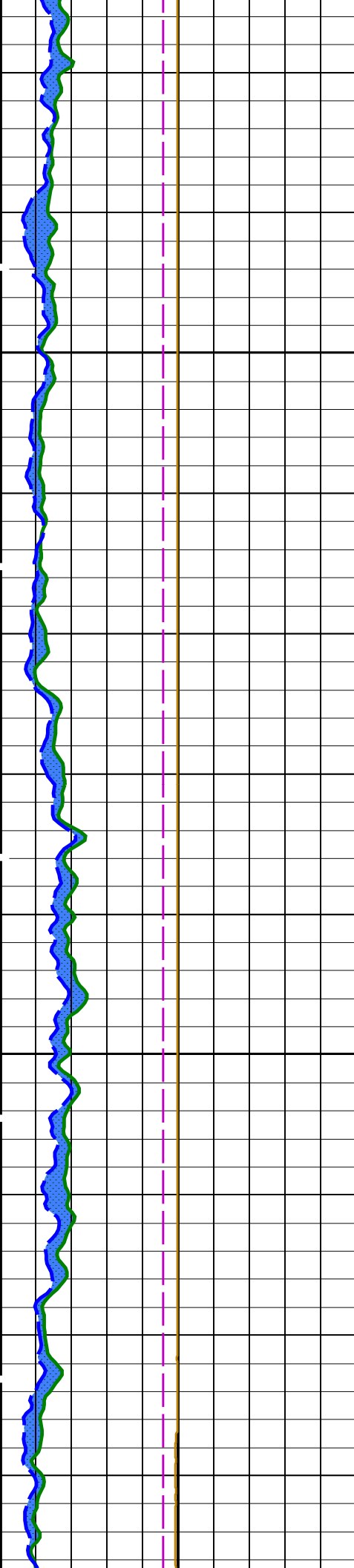
Main Pass

MAXIS Field Log

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	19C0-187		

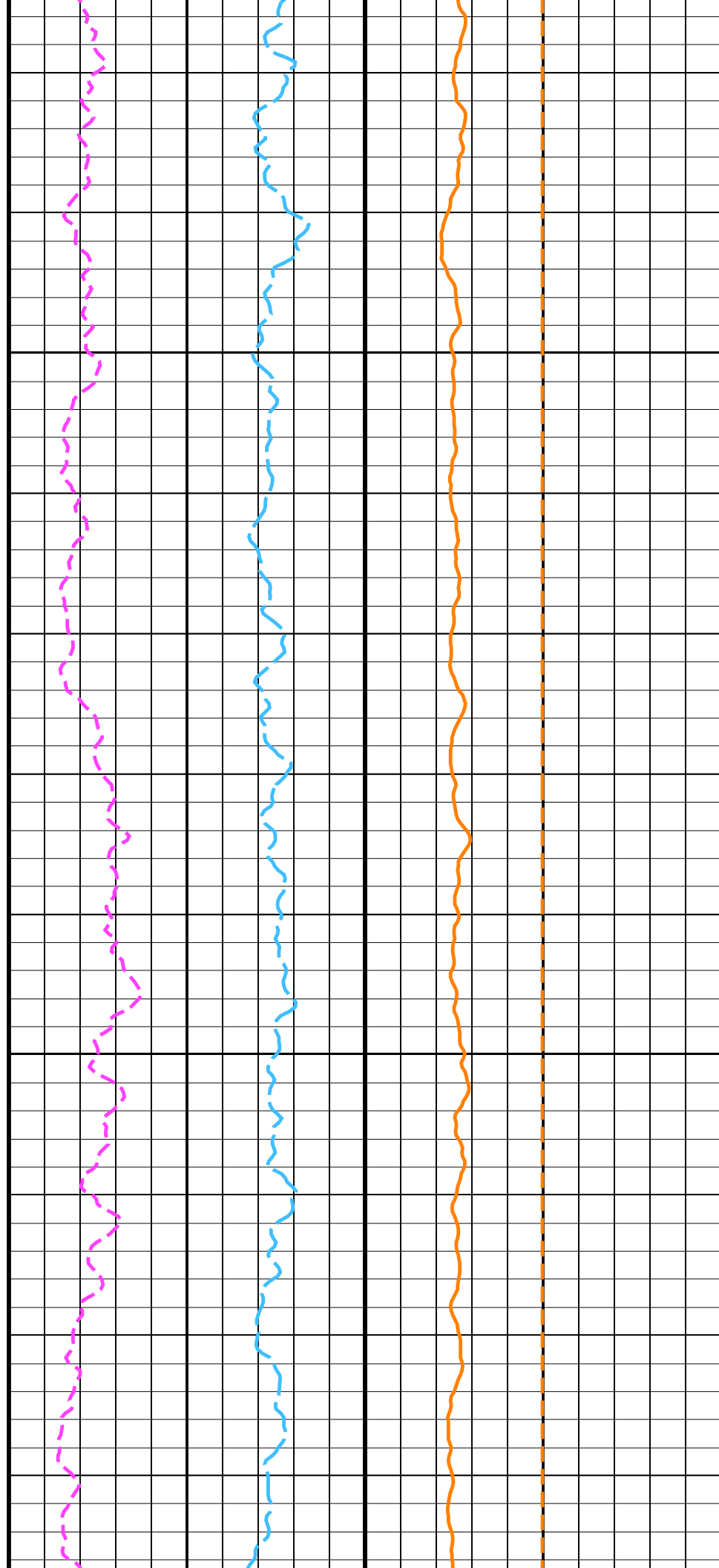


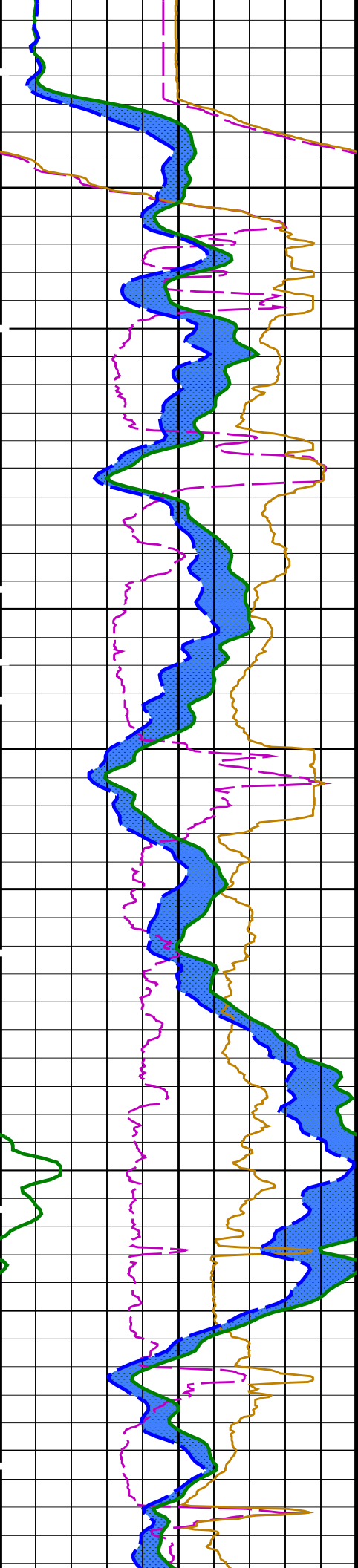




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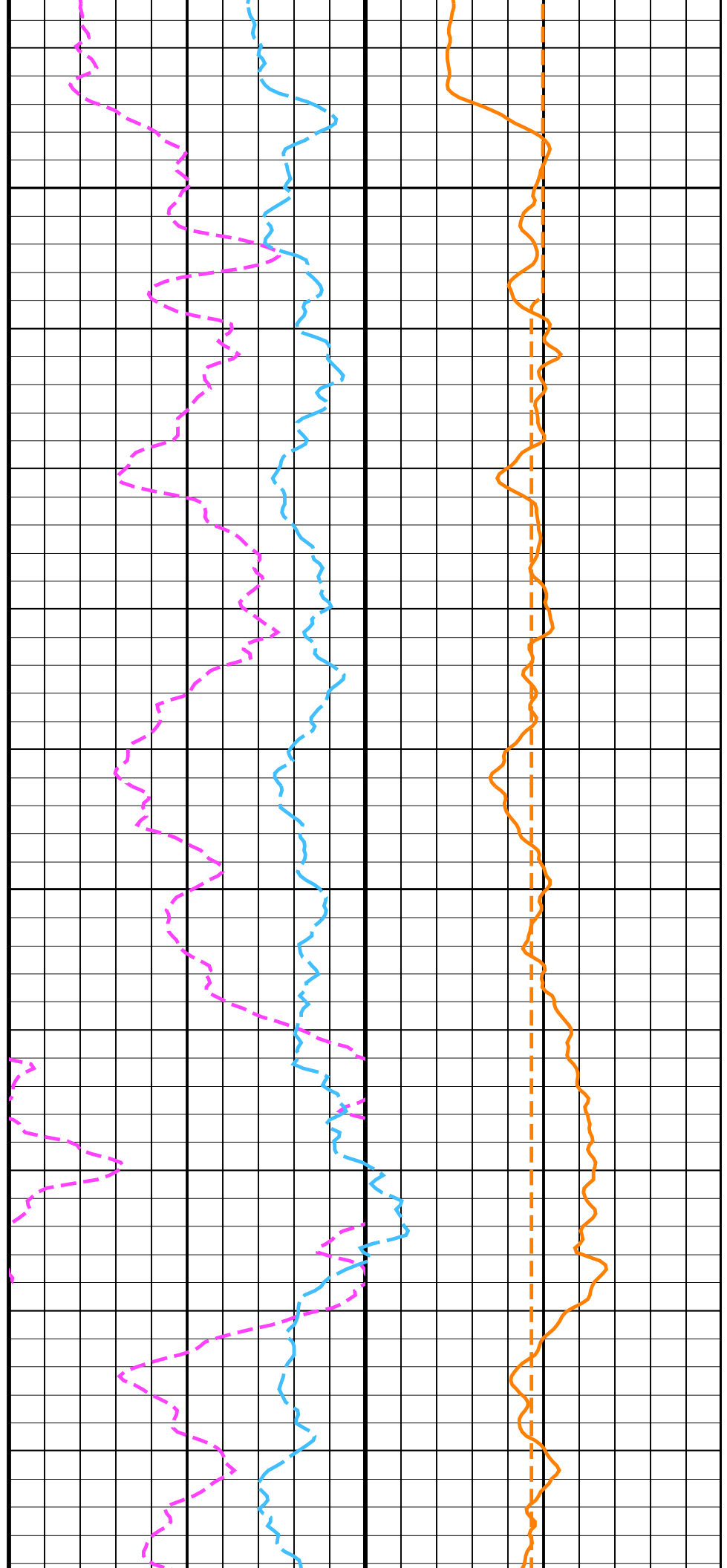
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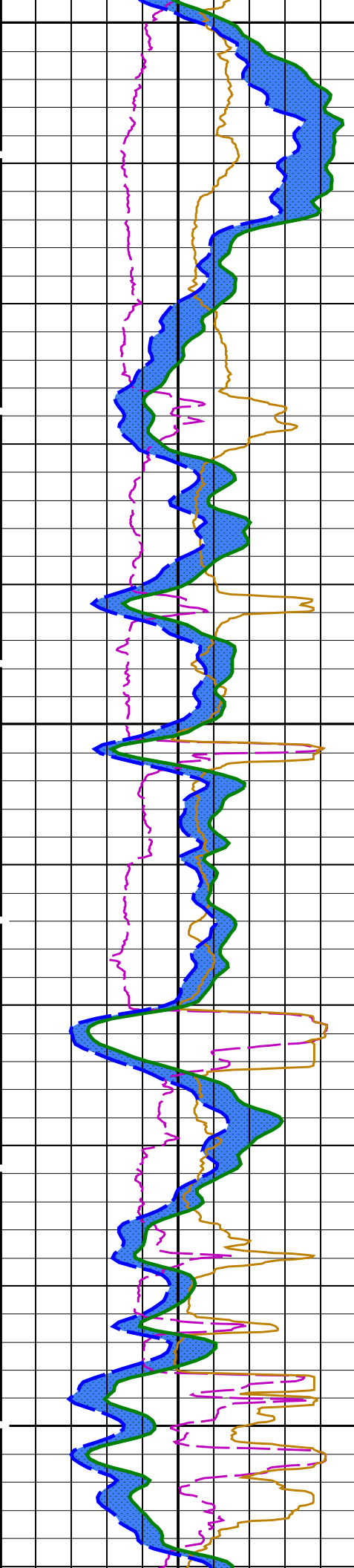




725

750

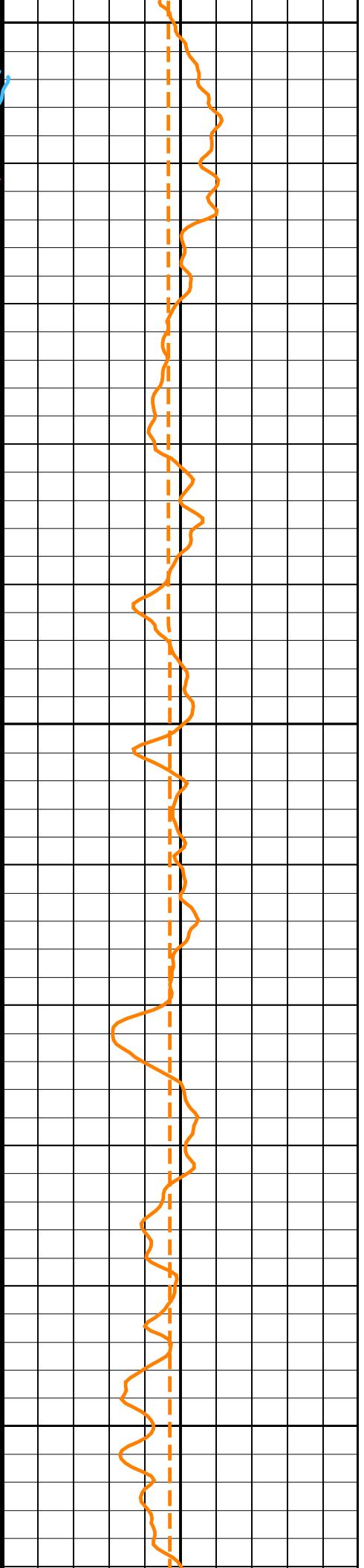
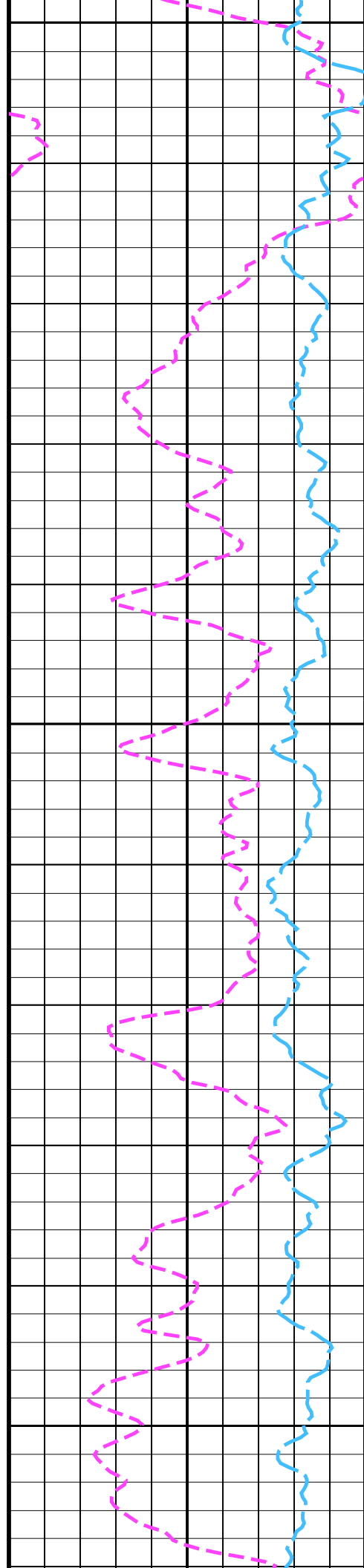


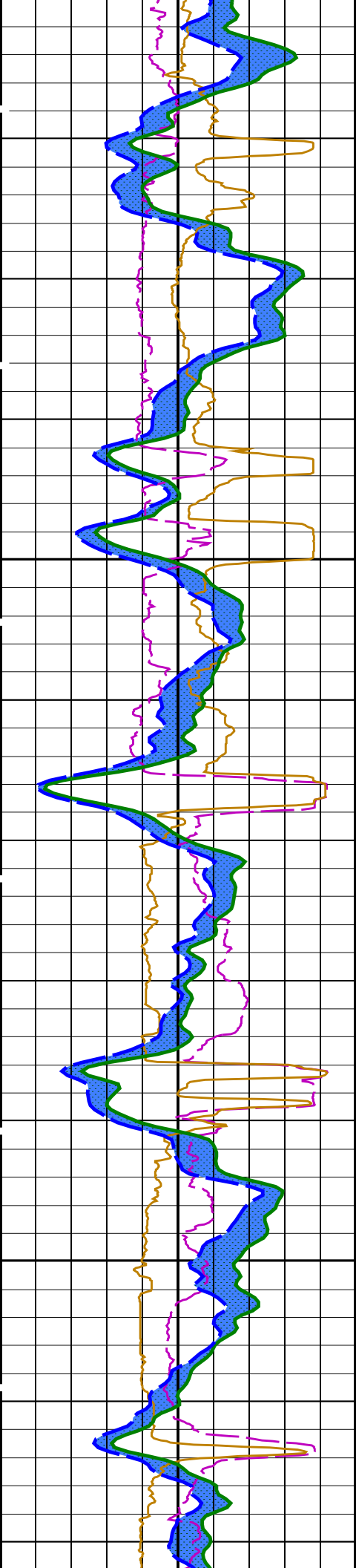


775

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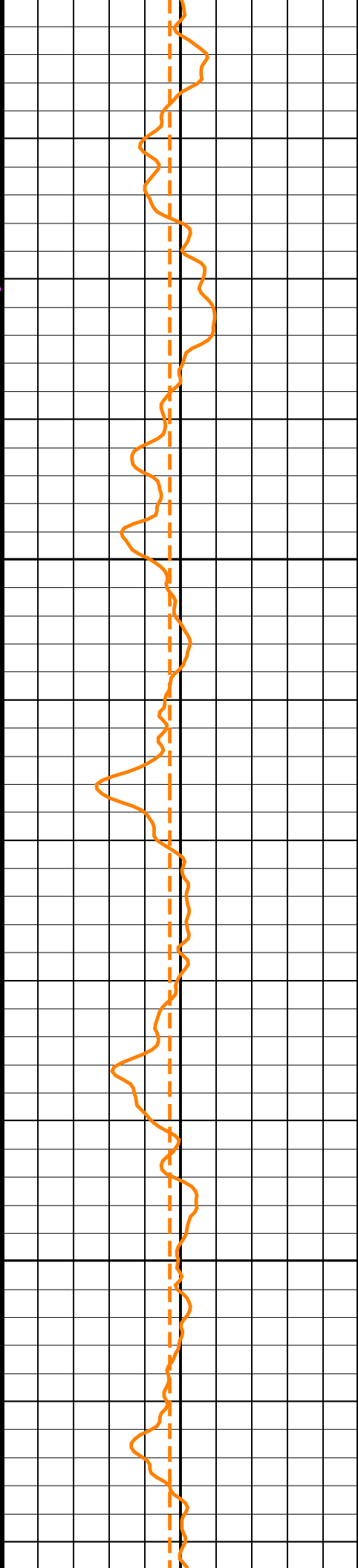
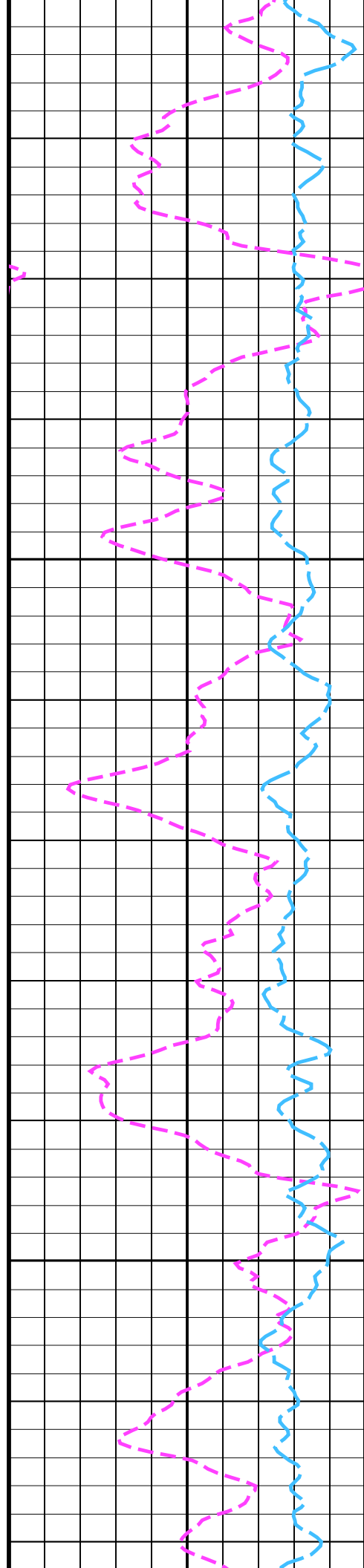
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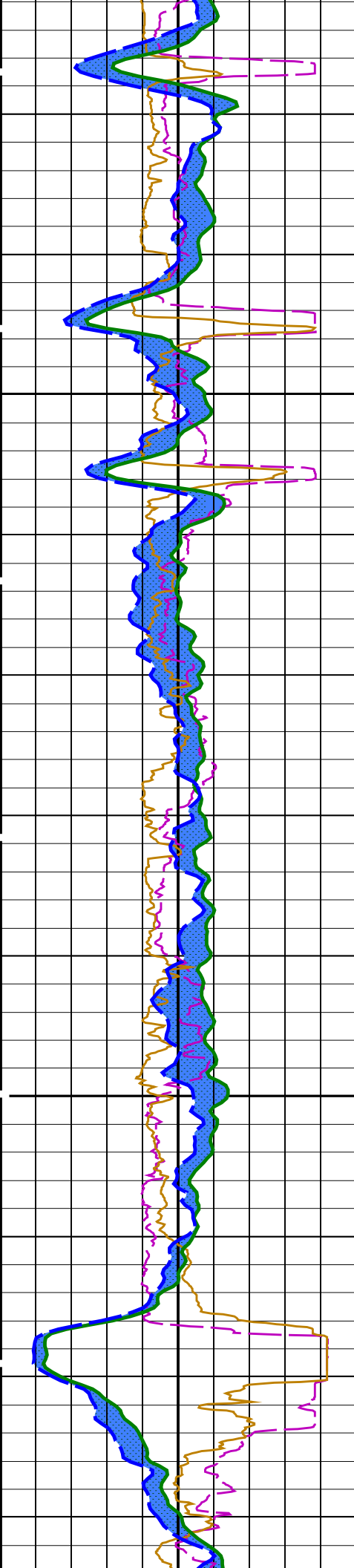




850

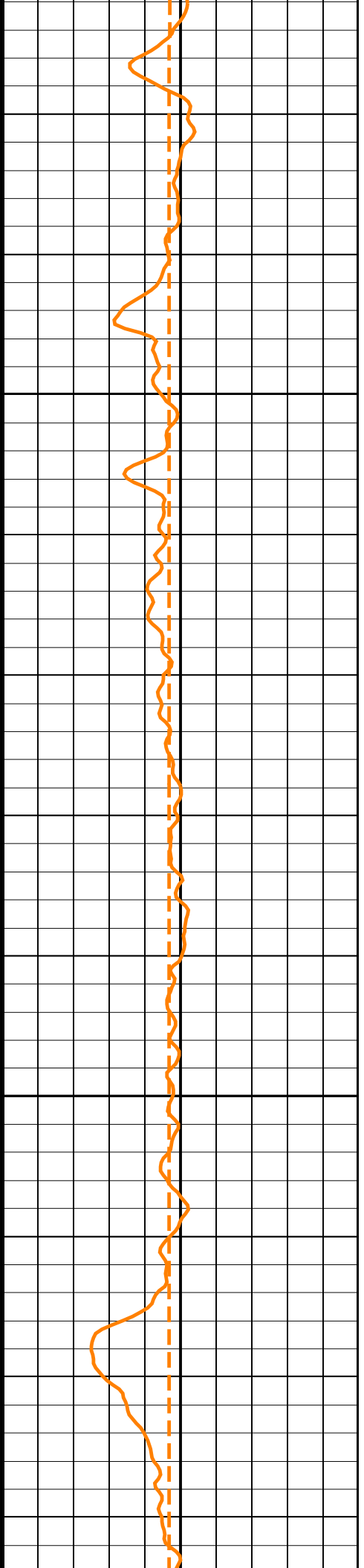
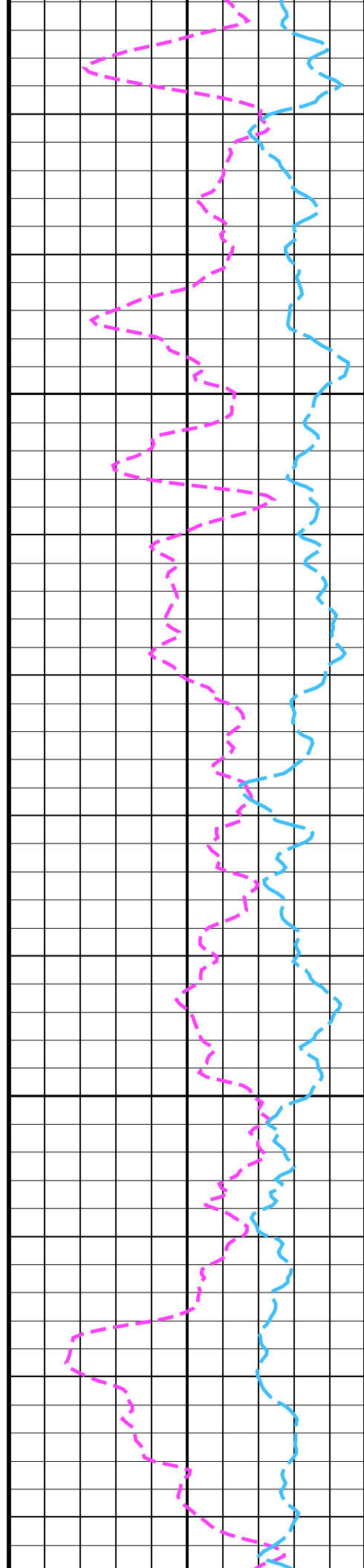
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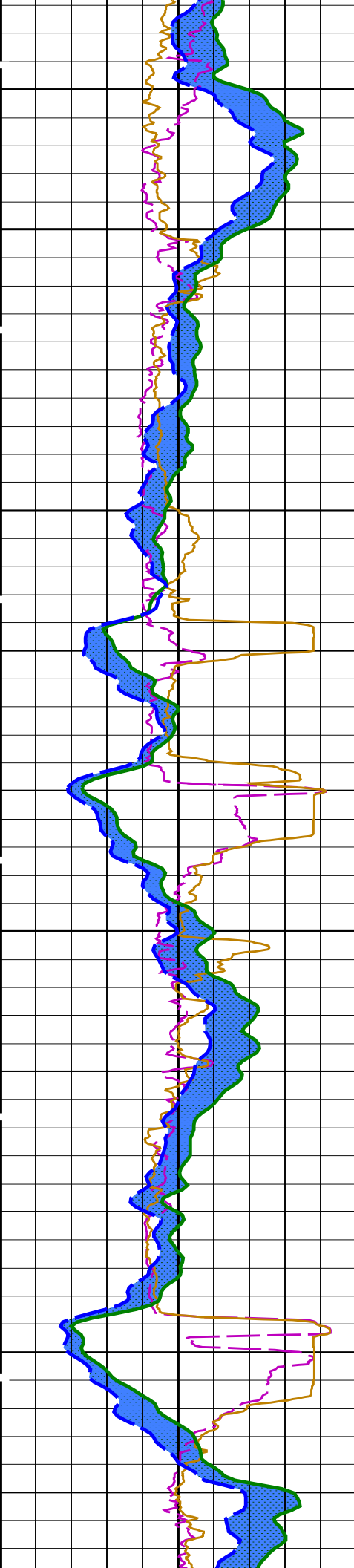




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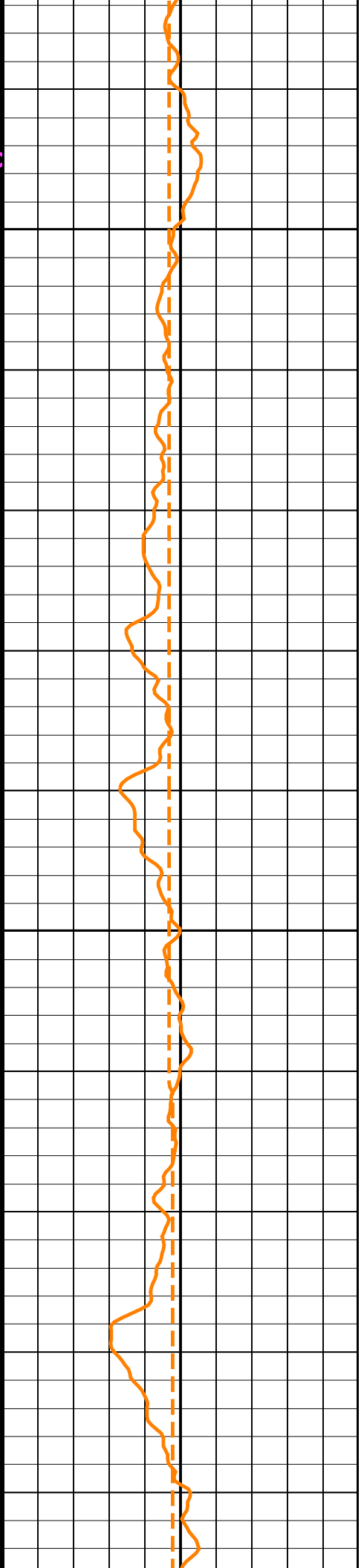
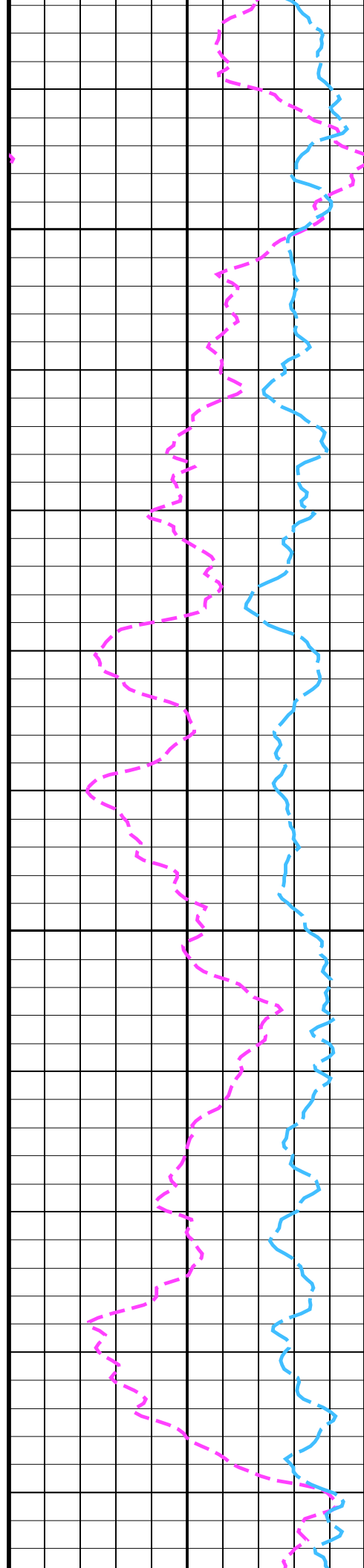
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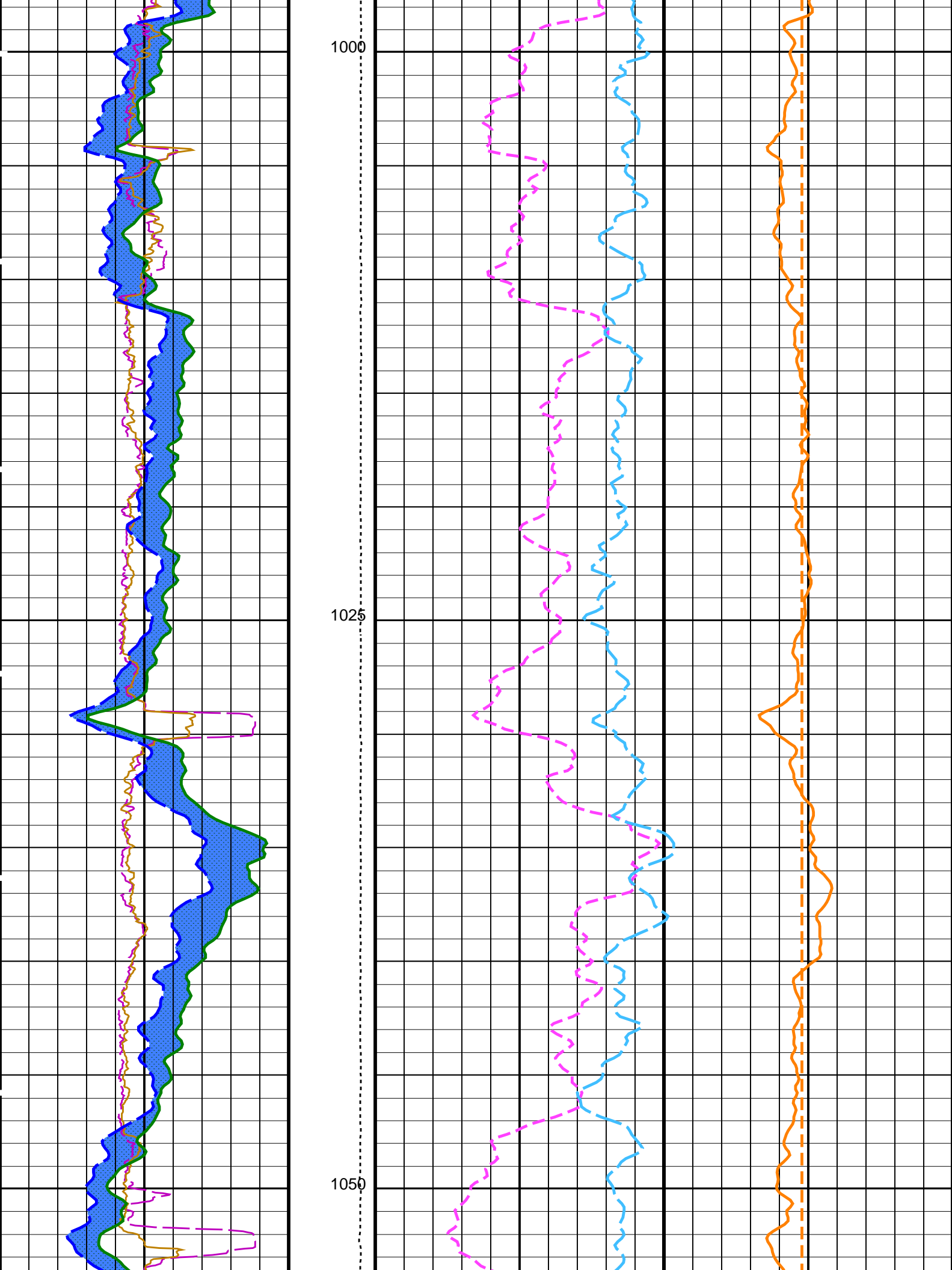


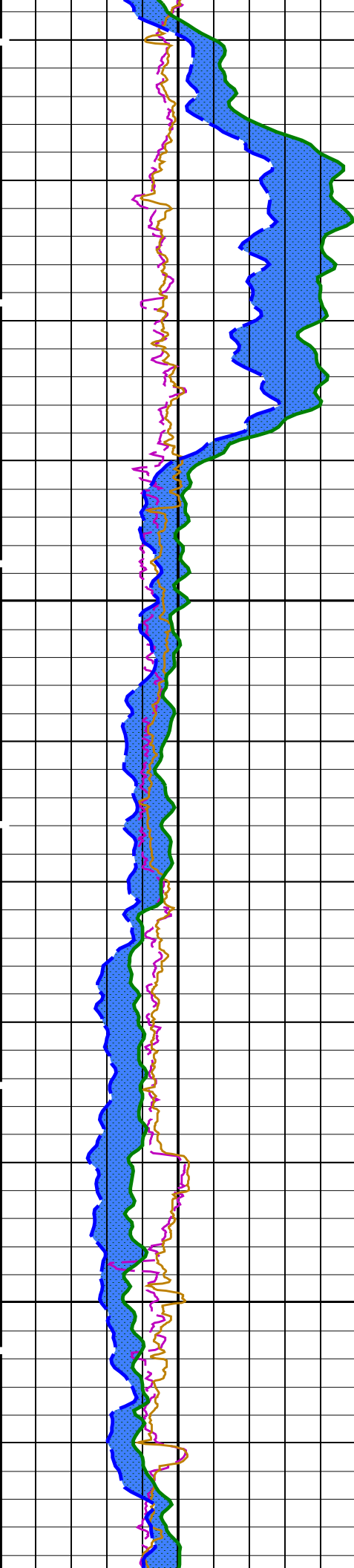


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975

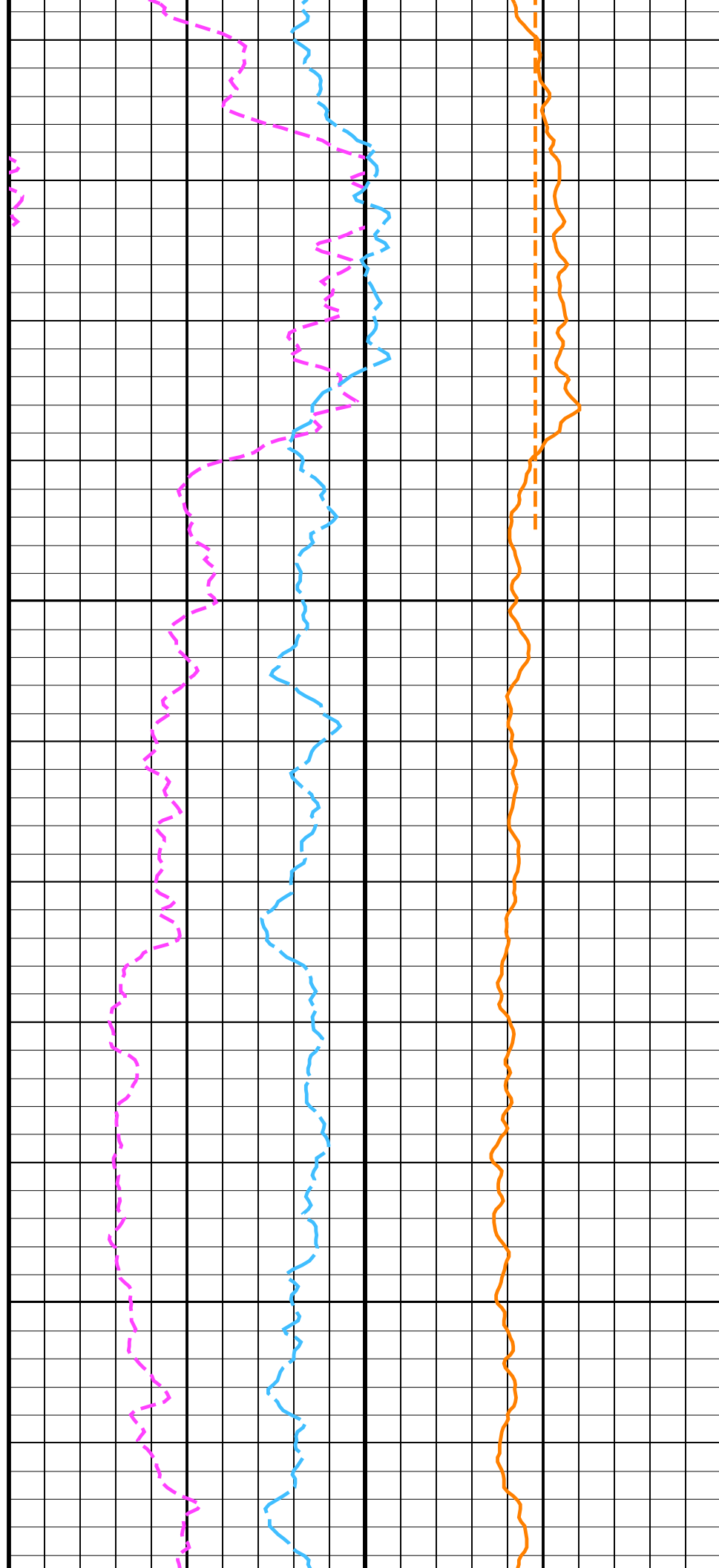


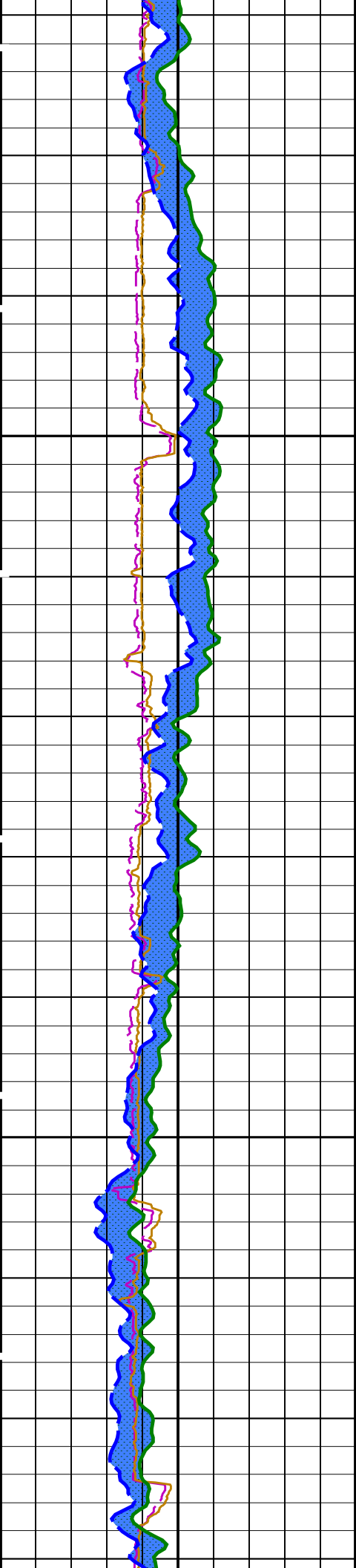




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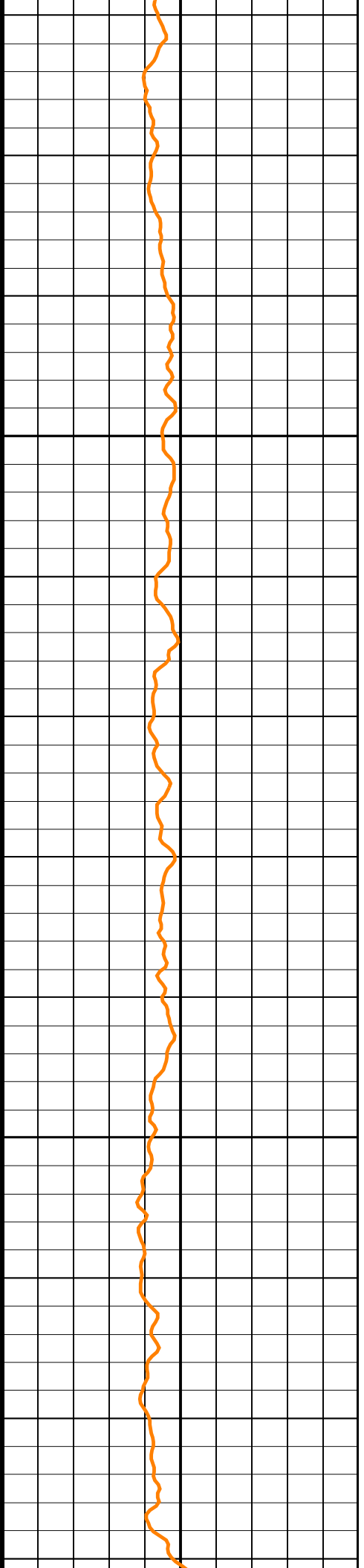
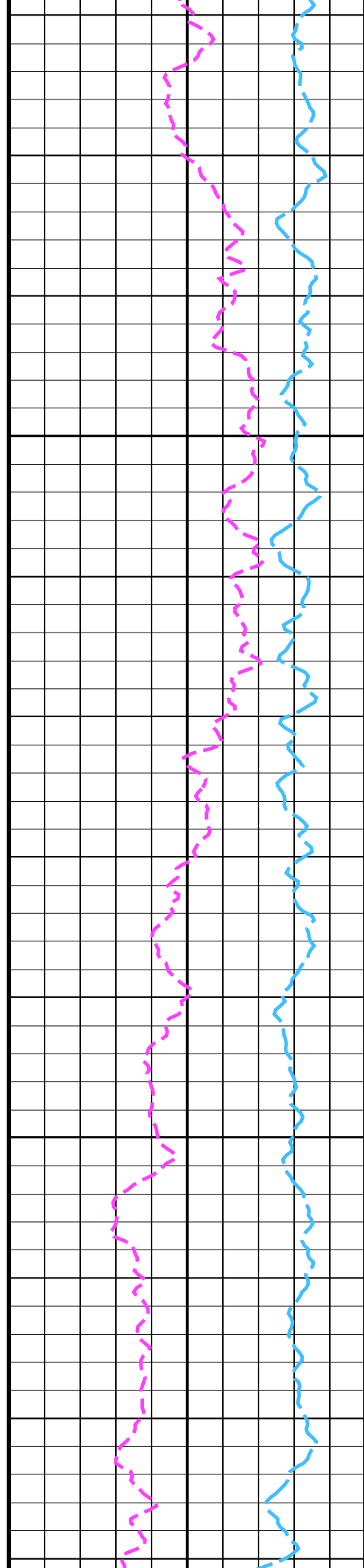
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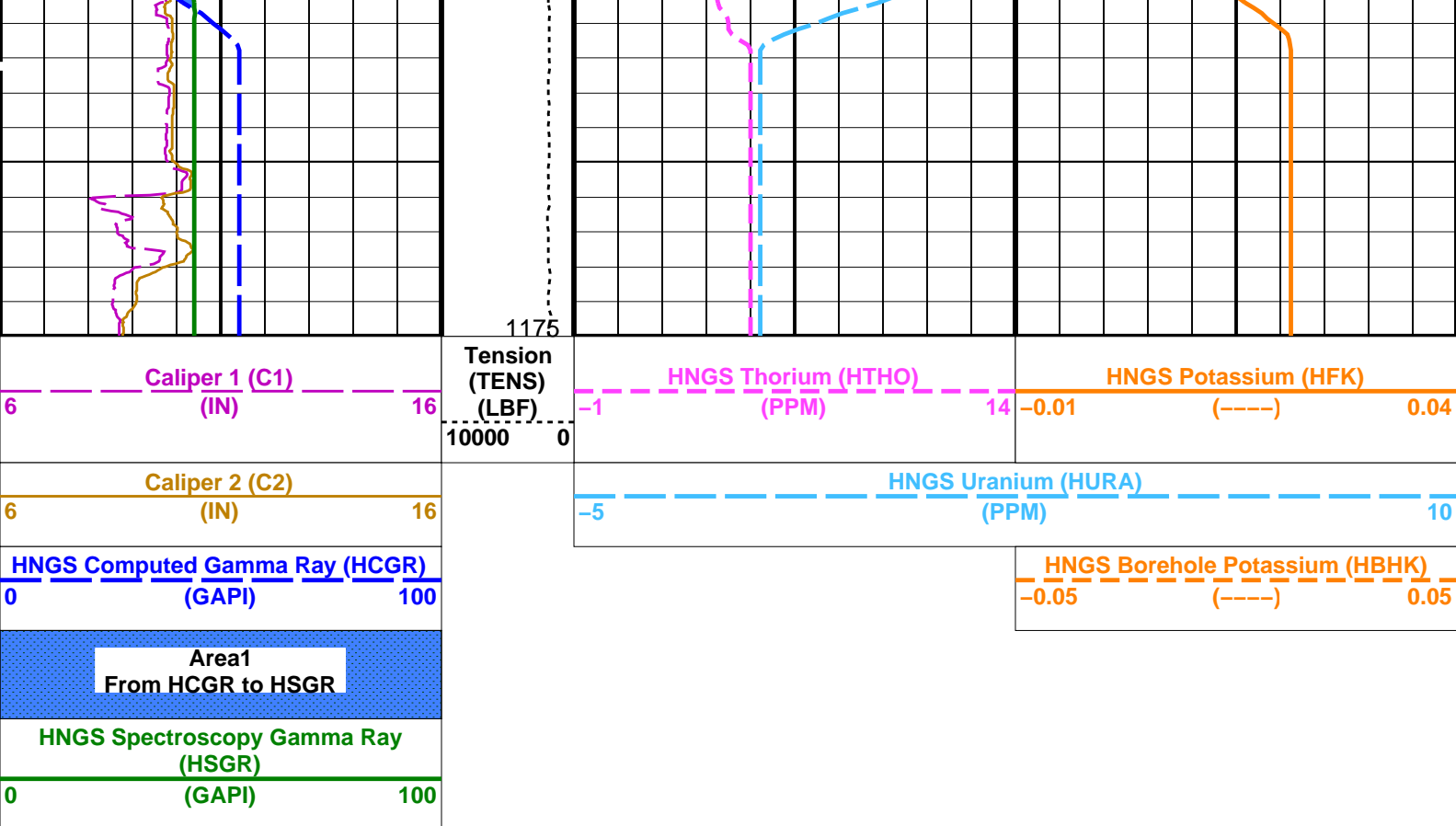




1125

1150





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	-0.00395999	
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	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	0.973628	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.972728	
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	9.00	LB/G

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 30-Sep-2023 04:53

OP System Version: 19C0-187

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

Output DLIS Files

DEFAULT

FMS_NGS_017LUP

FN:14

PRODUCER

30-Sep-2023 04:53

Company: International Ocean Discovery Program

Well: Expedition 400, Site U1608A

Output DLIS Files

DEFAULT

FMS_NGS_017LUP

FN:14

PRODUCER

30-Sep-2023 04:53 1175.0 M

604.3 M

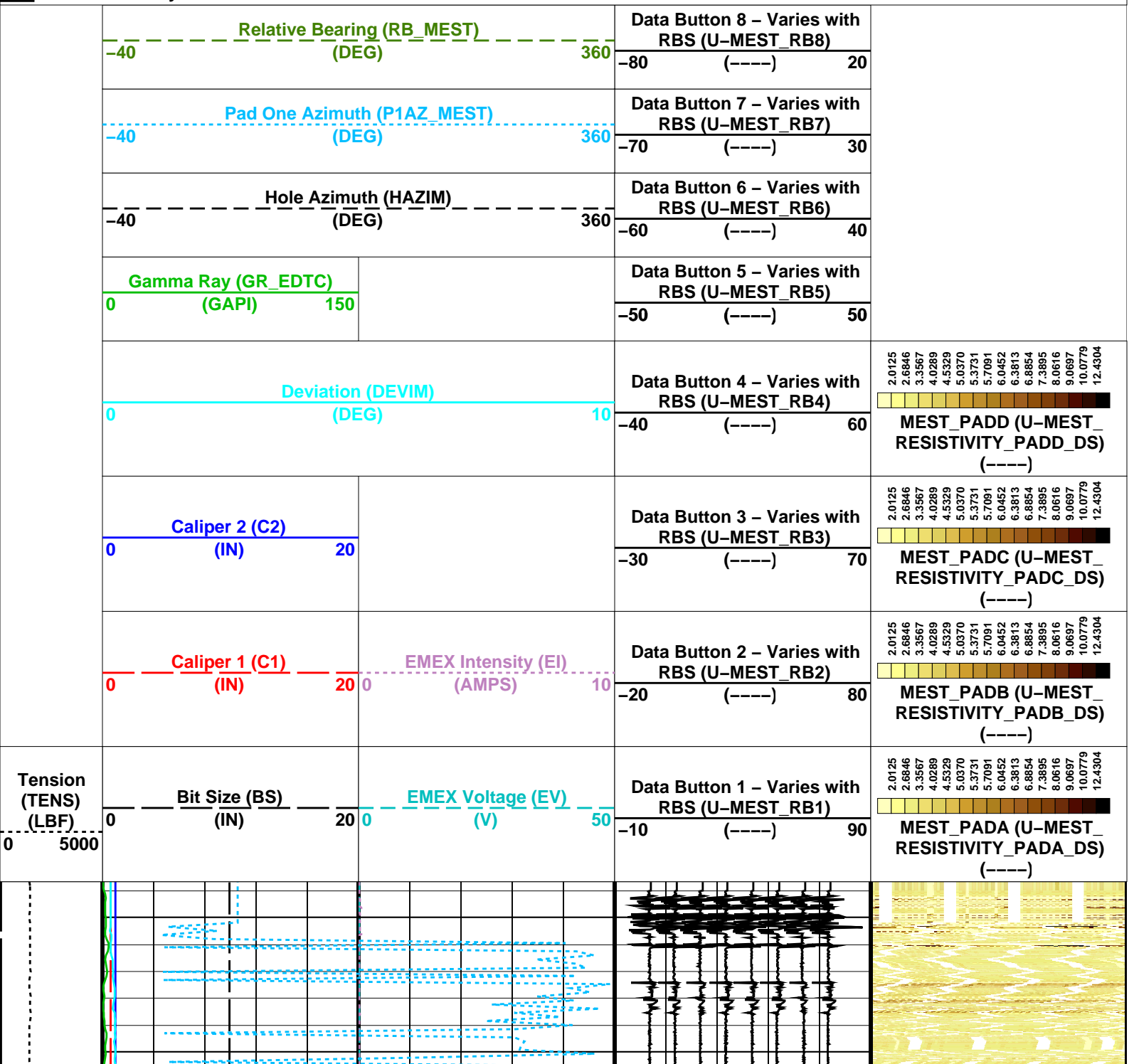
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DTA-A 19C0-187
HNGS-BA 19C0-187

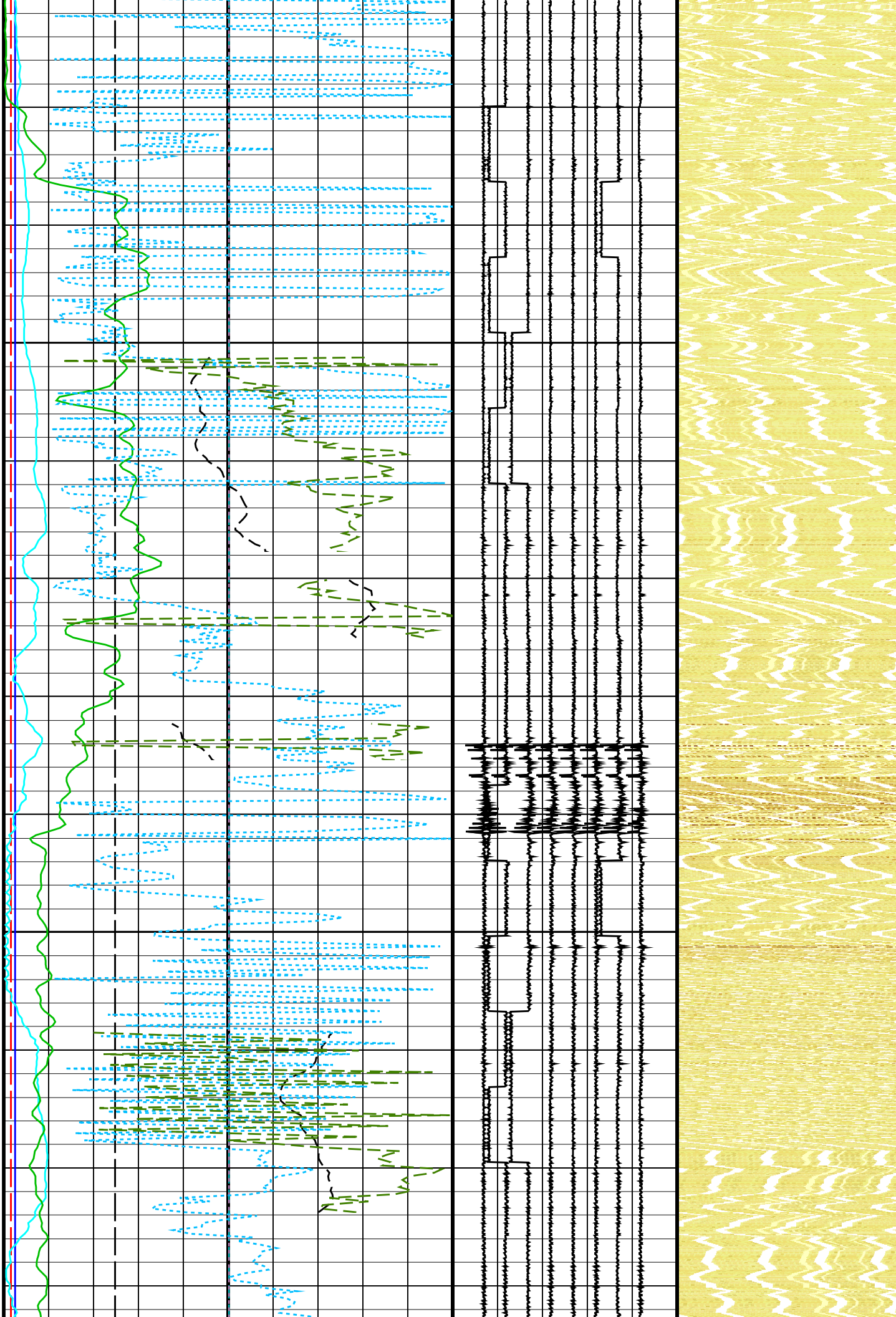
PIP SUMMARY

Time Mark Every 60 S



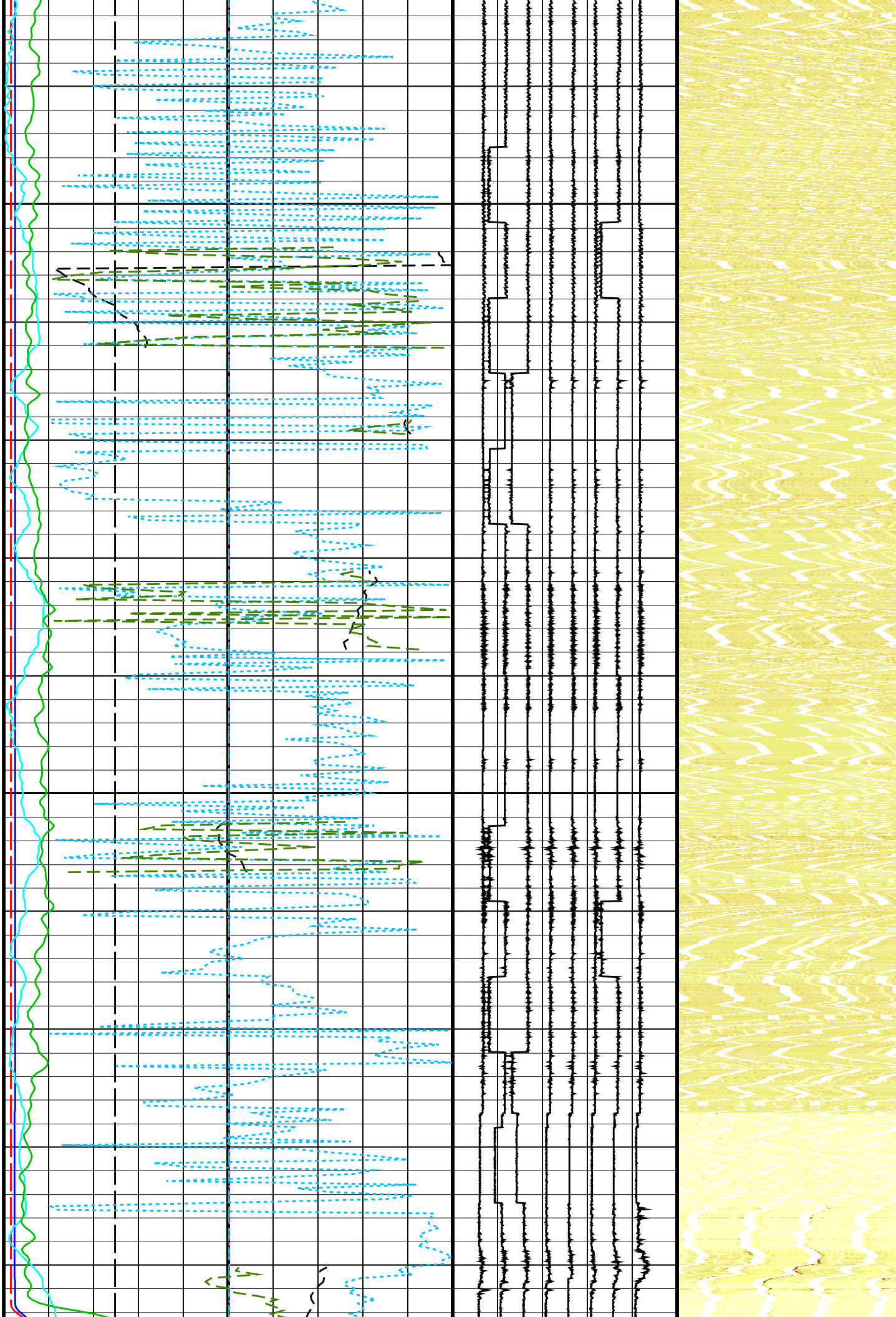
625

650



675

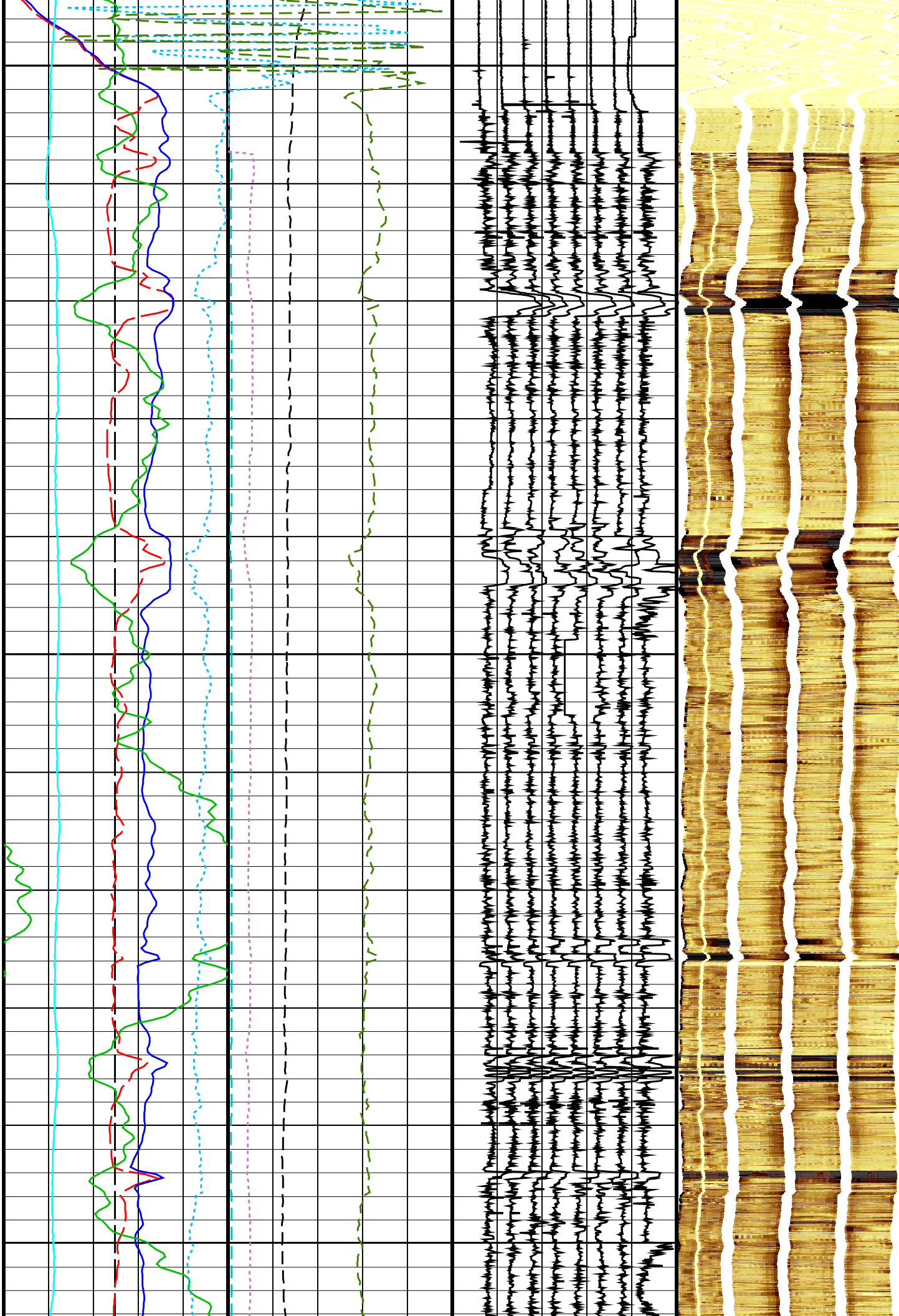
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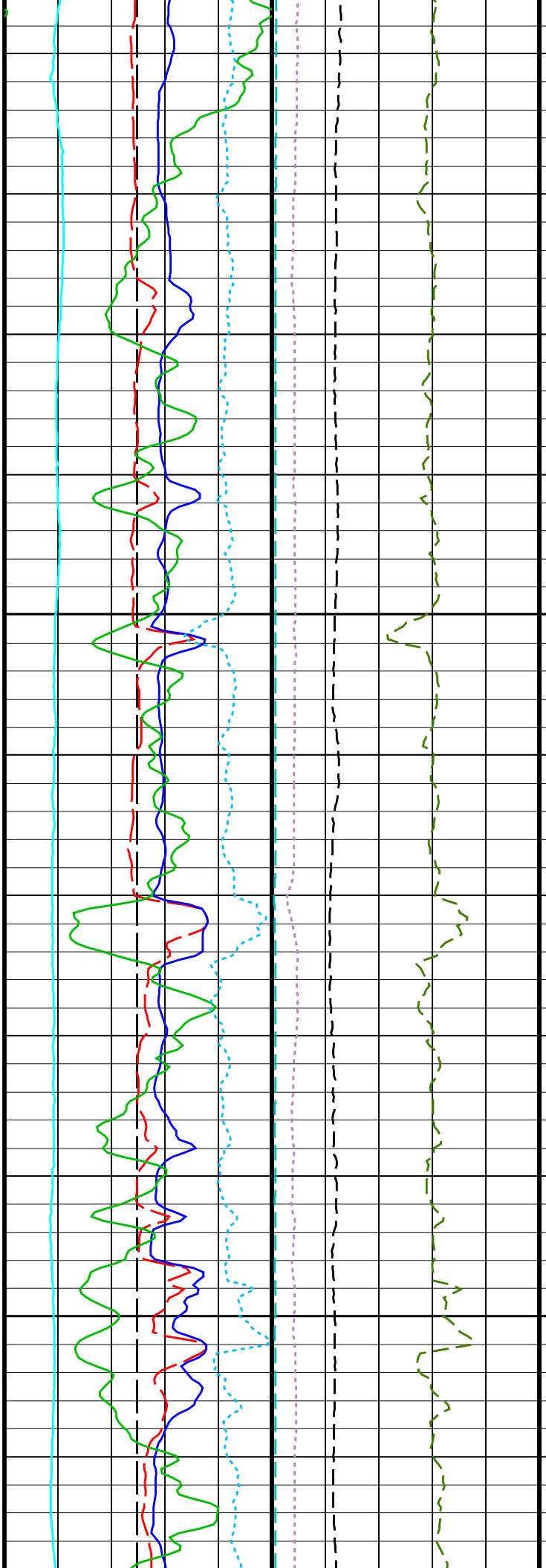
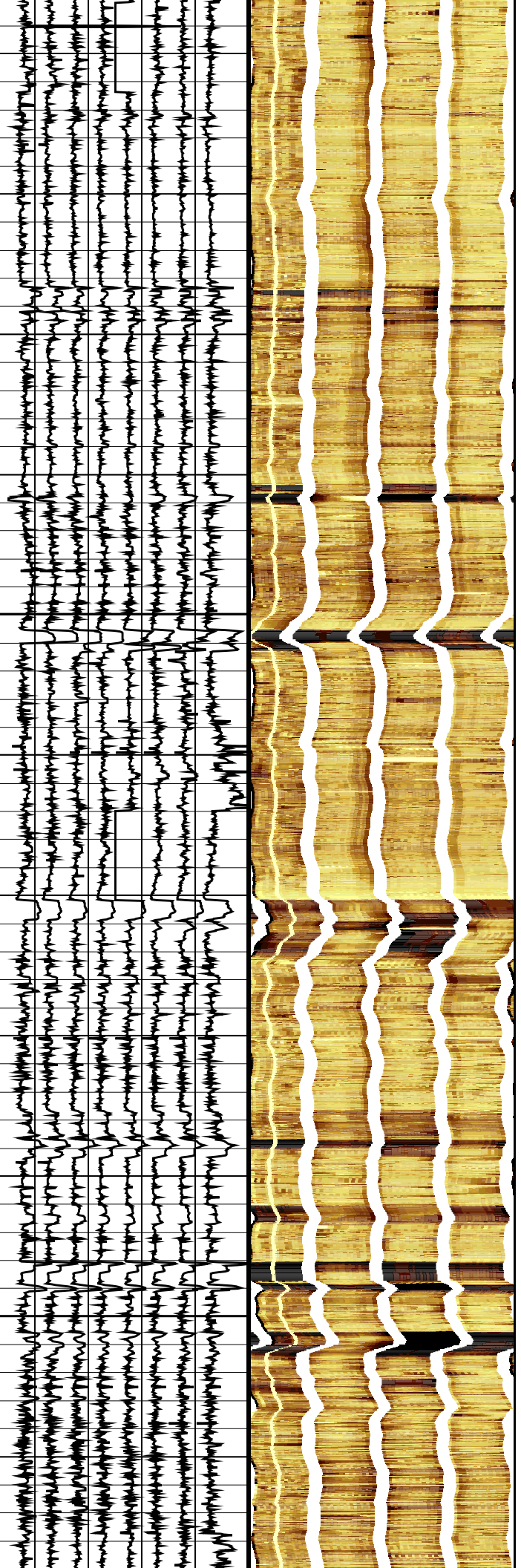


725

750

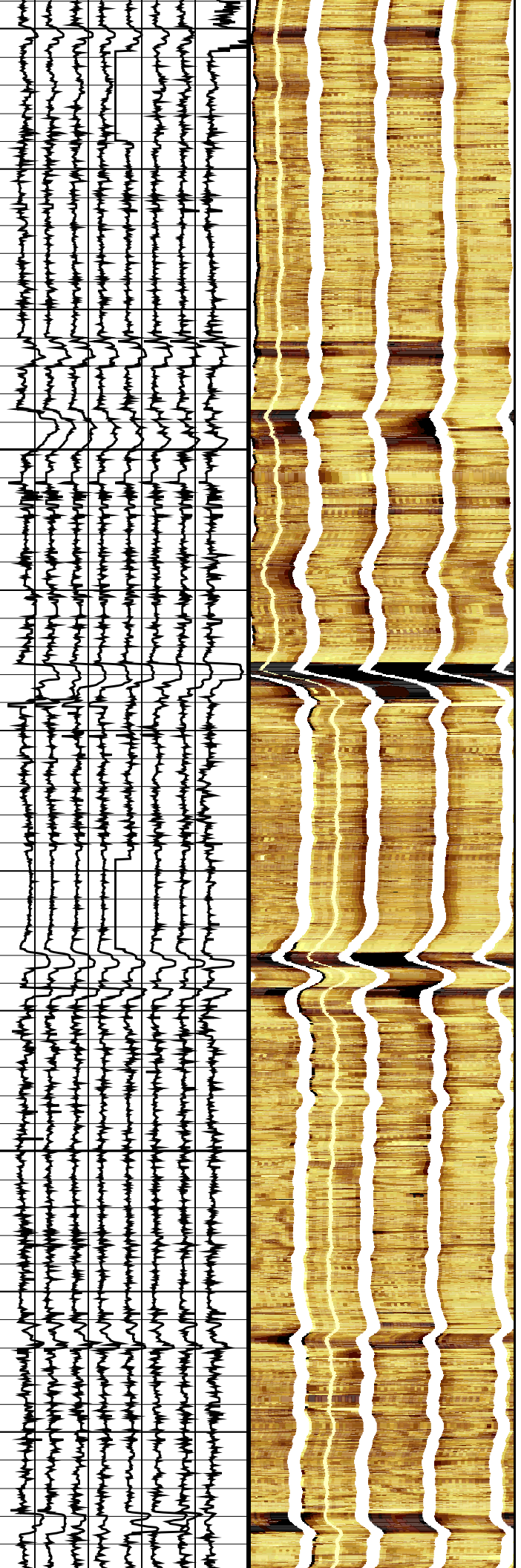
775





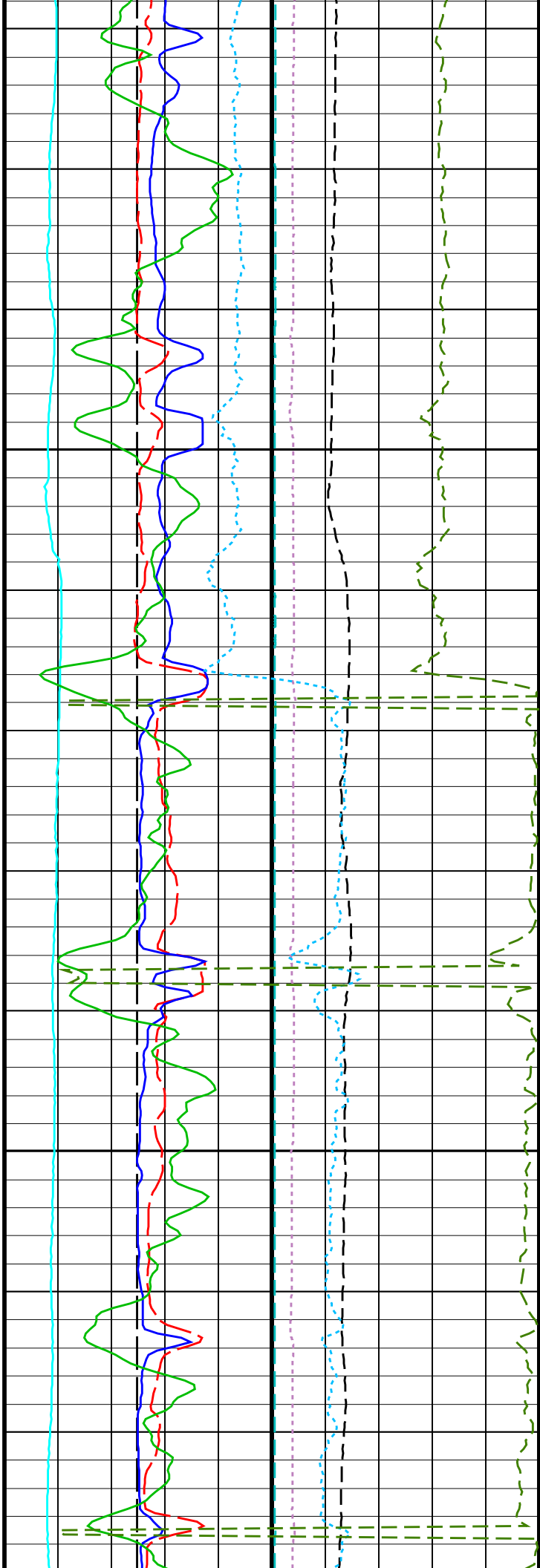
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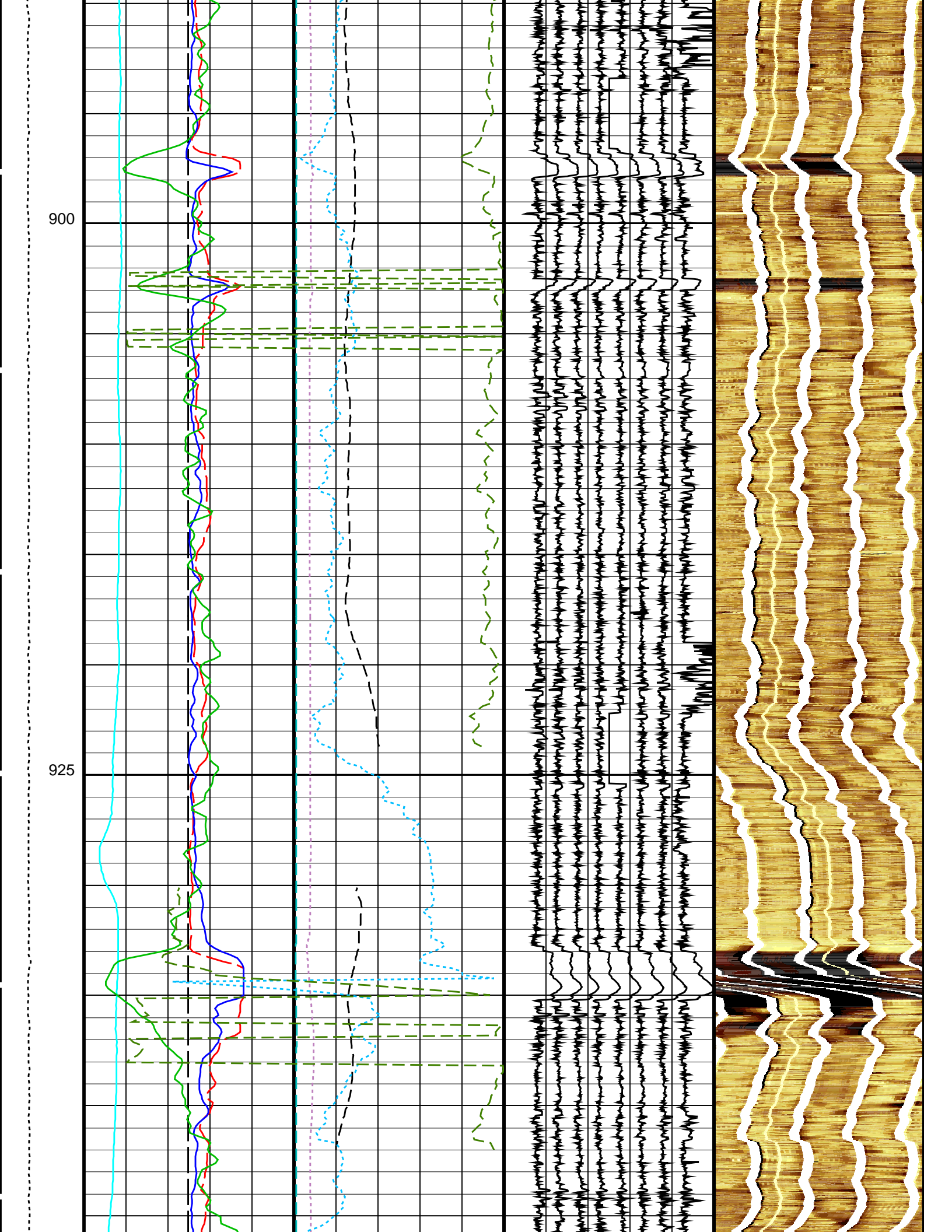
825

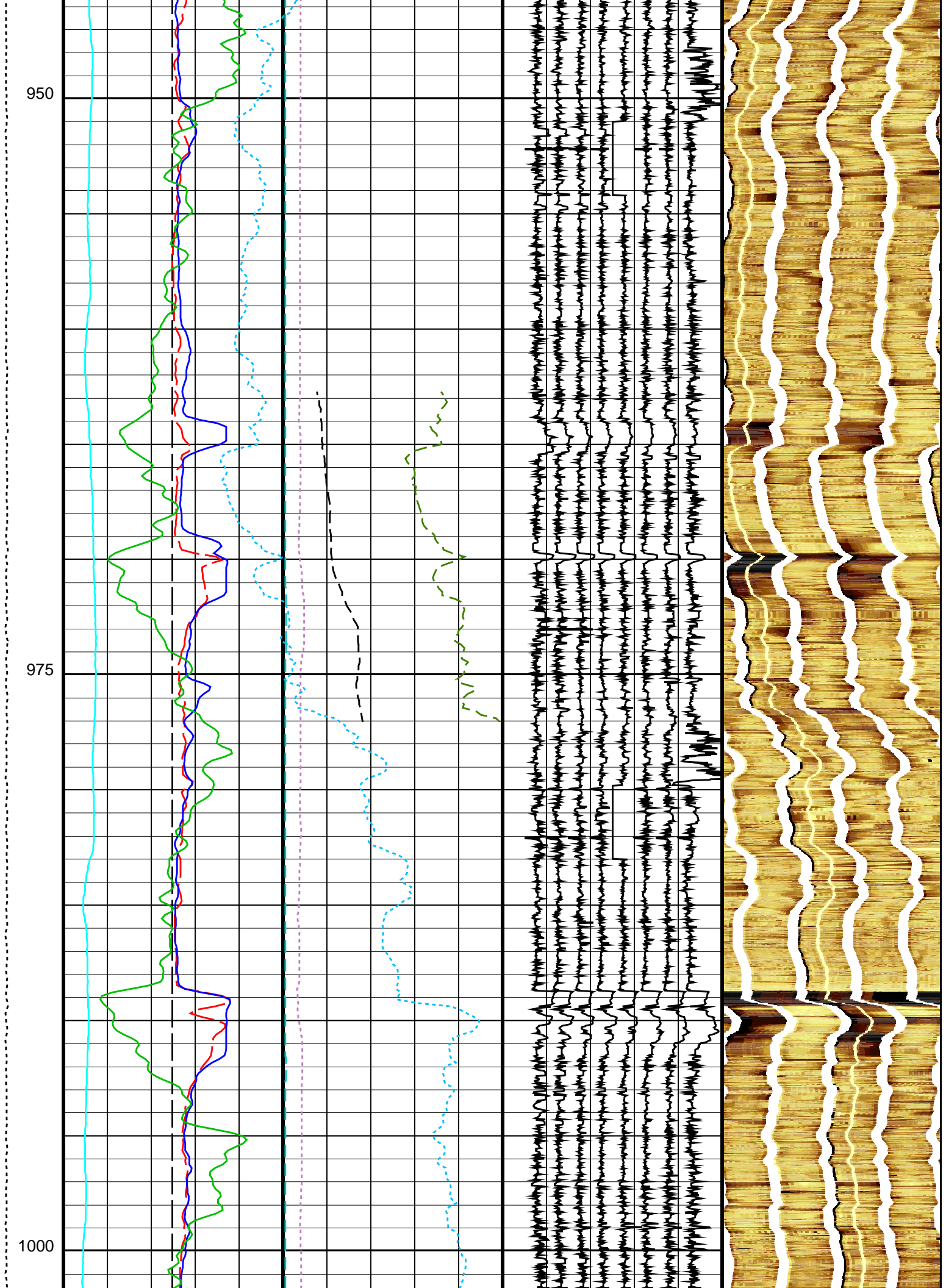


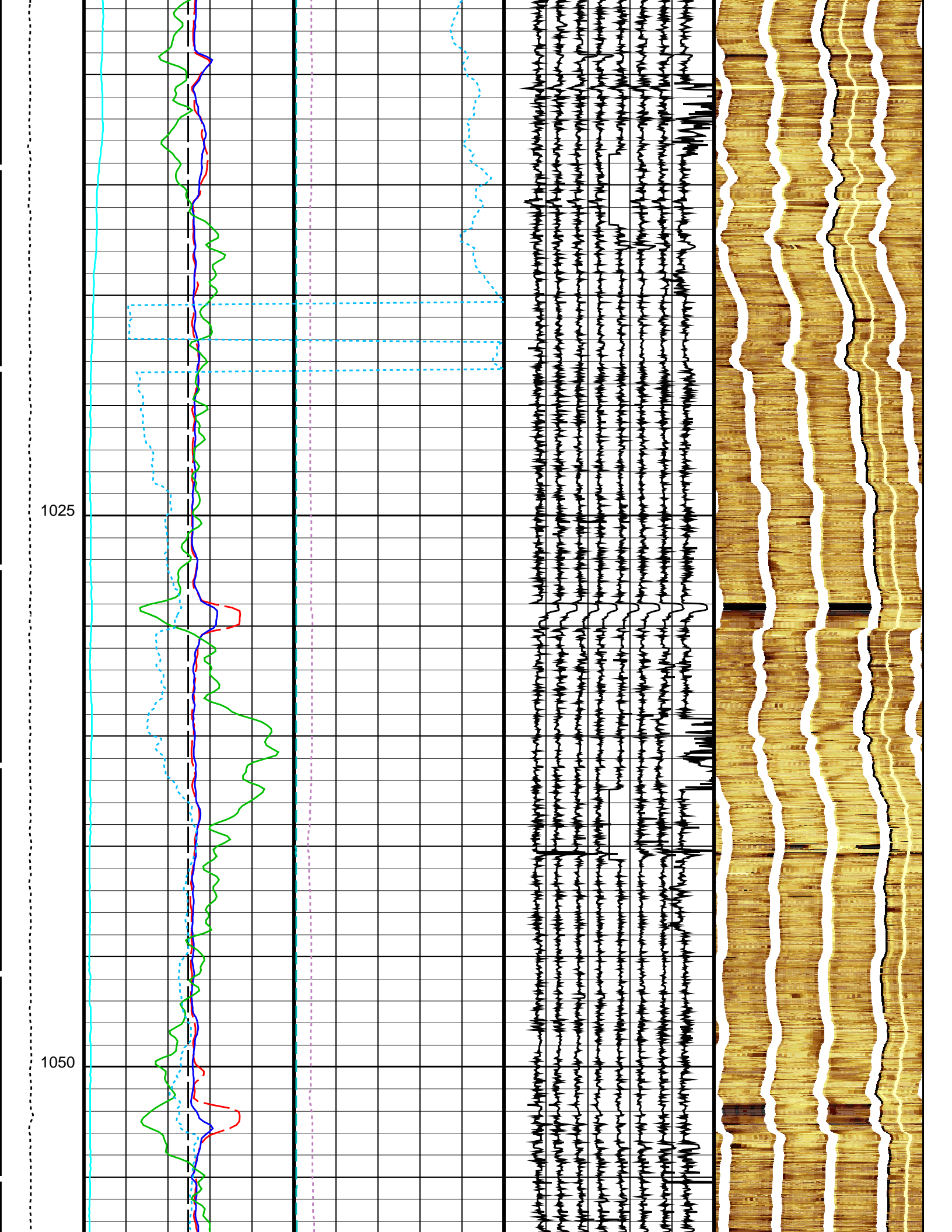
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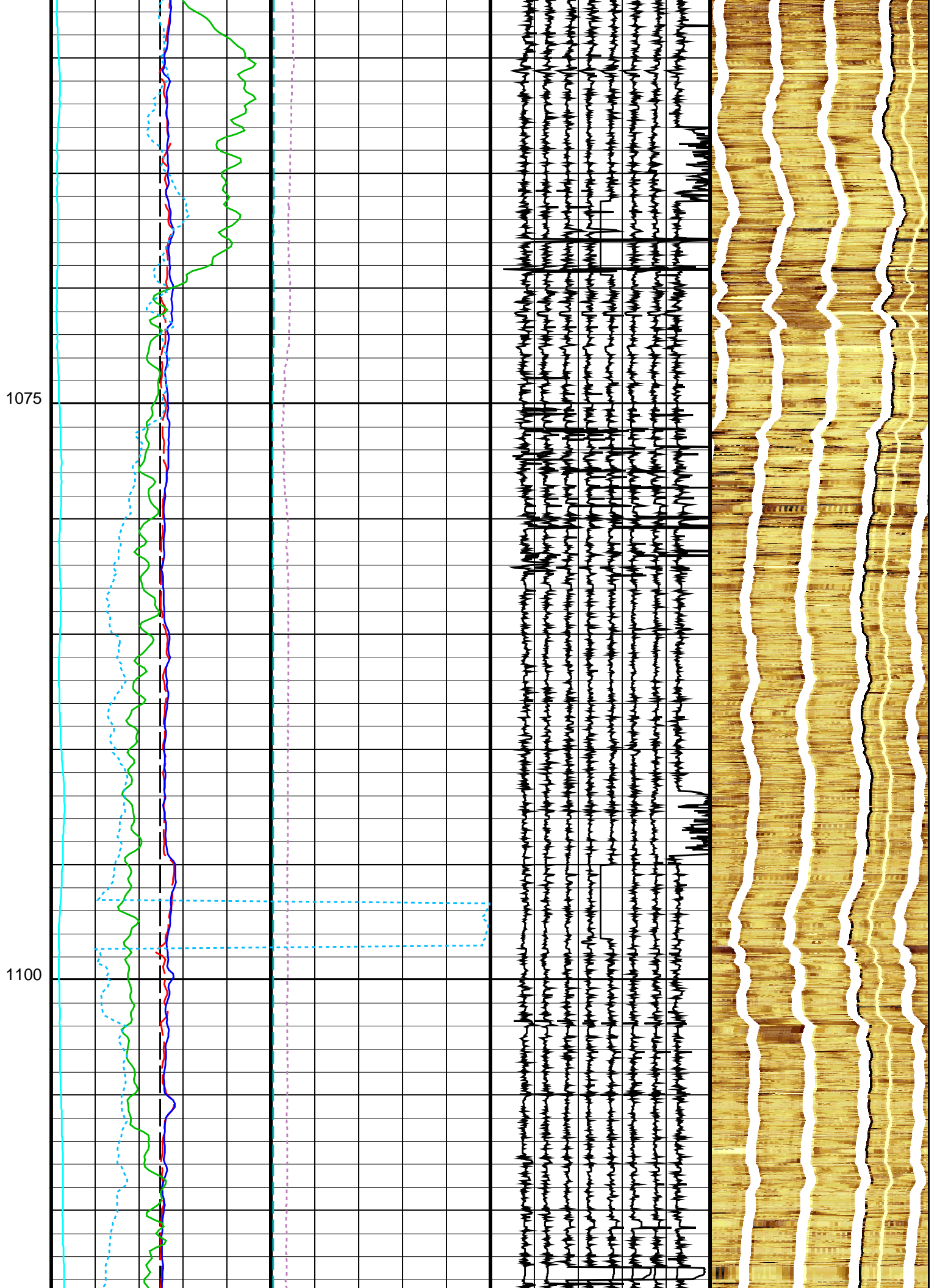
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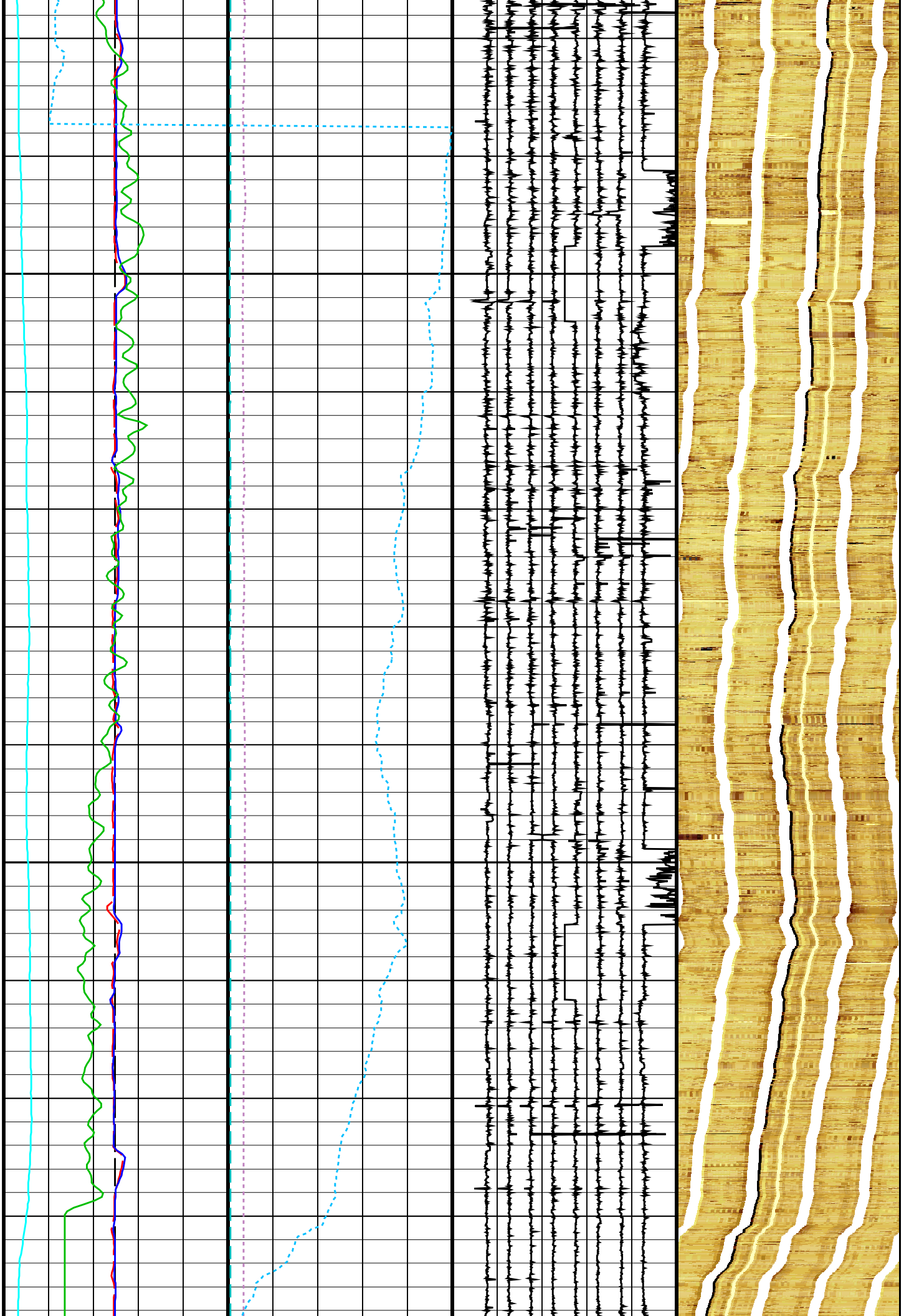


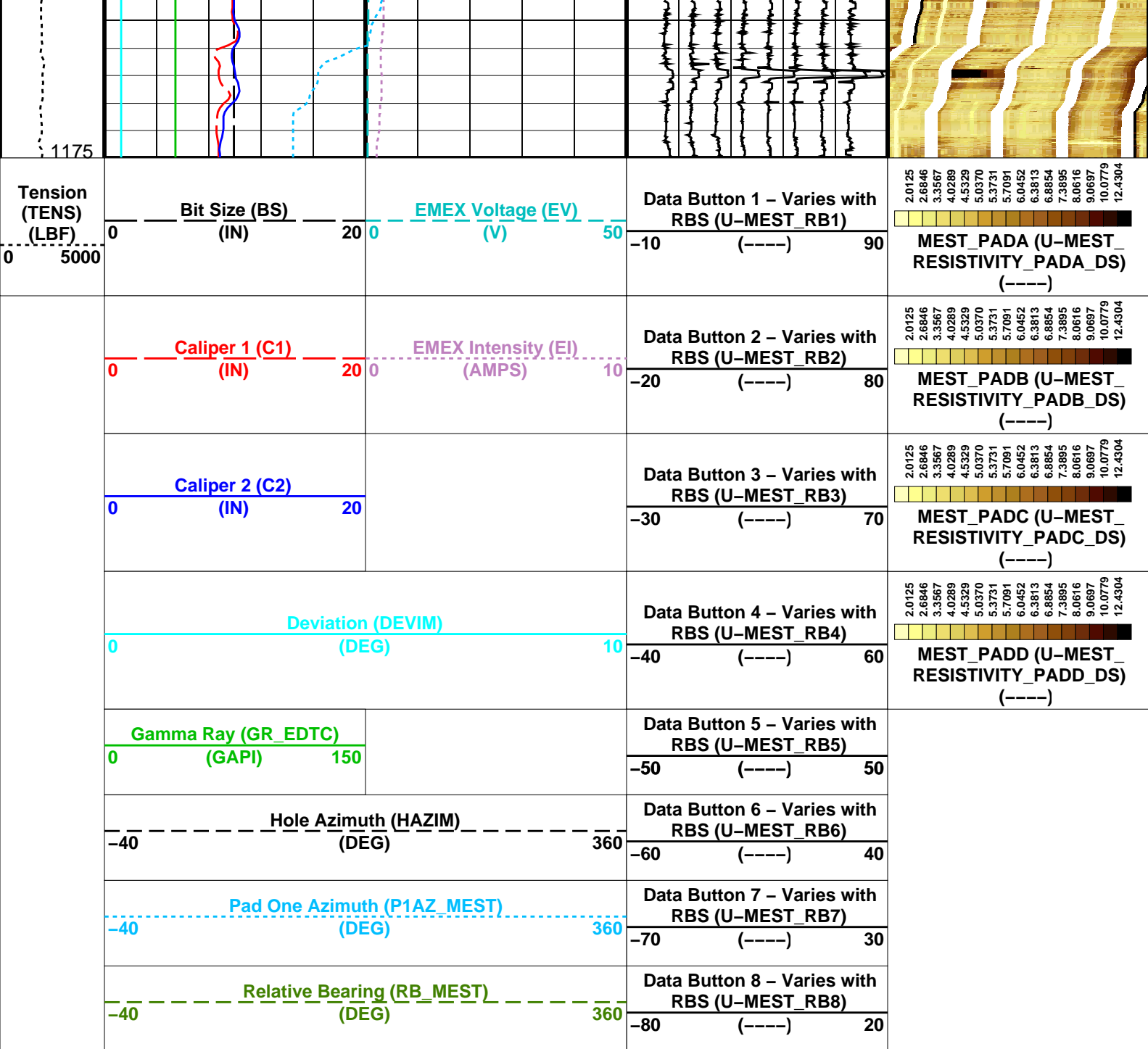




1125

1150





PIP SUMMARY		
Time Mark Every 60 S		

Parameters		
DLIS Name	Description	Value
MEST-B	Micro Electrical Scanner - B (Slim)	
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION
MDEC	Magnetic Field Declination	-35.903 DEG
MLM	MEST Logging Mode	SCAN1800
RBS	Resistivity Button Selection	AUTO
XGAI	Gain	GAIN_2
XOFF	Offset	OFFSET_0
BS	System and Miscellaneous Bit Size	9.875 IN

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:200 Graphics File Created: 30-Sep-2023 04:53



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 13–Jun–2021 23:51							
Caliper 1 Zero Measurement	12.00	N/A	12.76	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.49	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.69	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.53	N/A	N/A	N/A	IN
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 30–Sep–2023 2:47							
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: 30–Sep–2023 2:47							
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: Calibration out of date 19–Apr–2023 20:22 Before: Calibration out of date 13–Jun–2021 10:44							
Na 511 Peak Loc	40.00	38.56	39.64	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.82	14.84	N/A	N/A	2.000	%
High Voltage	1150	1206	1168	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	139.2	143.3	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.087	7.709	N/A	N/A	2.000	%
Temperature	15.50	26.64	11.69	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	47.40	12.89	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: Calibration out of date 19–Apr–2023 20:22 Before: Calibration out of date 13–Jun–2021 10:44							
Na 511 Peak Loc	40.00	39.72	39.51	N/A	N/A	1.000	
Na 511 Peak Res	15.50	15.41	15.27	N/A	N/A	2.000	%
High Voltage	1150	1089	1090	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	142.9	140.8	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.753	9.507	N/A	N/A	2.000	%
Temperature	15.50	25.53	12.30	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	47.70	13.60	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: Calibration out of date 19–Apr–2023 20:22 Before: Calibration out of date 13–Jun–2021 10:44							
Coincidence Count Rate Ratio	1.000	0.9913	0.9527	N/A	N/A	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: Calibration out of date 4–May–2022 21:04							
EDTC Z–Axis Acceleration	9.810	N/A	9.850	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							

Before: Calibration out of date	4-May-2022 21:05							
Gamma Ray (Jig – Bkg)	113.5	N/A	113.5	N/A	N/A	N/A	10.31	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	N/A	15.00	GAPI

Micro Electrical Scanner – B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde – B	MEDS – B	724
MEST Preamplifier Cartridge – AB	MEPC – AB	806
GPIT Cartridge – AC	GPIC – AC	840
MEST Acquisition Cartridge – A	MEAC – A	804

Auxiliary Equipment:

MEST-B Preamplifier Cartridge Housing	MEPH – A	701
MEST Acquisition Cartridge Housing (Slim)	MEAH – B	769

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment:

HNGC Cartridge	HNGC – B	300
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Auxiliary Equipment:

HNGC Housing	HNGH – A	115
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Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:

HNGS Sonde	HNGS – BA	177
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Auxiliary Equipment:

HNGS Sonde Housing	HNSH – BA	174
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		38.56	Master		16.82	Master		1206
Before		39.64	Before		14.84	Before		1168
	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		139.2	Master		9.087	Master		26.64
Before		143.3	Before		7.709	Before		11.69
	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		47.40						
Before		12.89						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							



Master: Calibration out of date 19-Apr-2023 20:22 Before: Calibration out of date 13-Jun-2021 10:44

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		39.72	Master		15.41	Master		1089
Before		39.51	Before		15.27	Before		1090
	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		142.9	Master		8.753	Master		25.53

Before		140.8	Before		9.507	Before		12.30		
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									
Master									47.70	
Before									13.60	
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)										
Master: Calibration out of date 19-Apr-2023 20:22									Before: Calibration out of date 13-Jun-2021 10:44	

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9913
Before		0.9527
0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)		
Master: Calibration out of date 19-Apr-2023 20:22		
Before: Calibration out of date 13-Jun-2021 10:44		

Enhanced DTS Cartridge / Equipment Identification		
Primary Equipment:		
EDTC Gamma Ray Detector	EDTG – A/B	79159
Enhanced DTS Cartridge	EDTC – B	8081
Auxiliary Equipment:		
EDTC Housing	EDTH – B	8226

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.850
9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)		
Before: Calibration out of date 4-May-2022 21:04		

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			1.703	Before			113.5	Before			165.0
0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)				103.1 (Minimum) 113.5 (Nominal) 123.8 (Maximum)				150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)			
Before: Calibration out of date 4-May-2022 21:05											

Company: International Ocean Discovery Program

Schlumberger

Well: Expedition 400, Site U1608A
Field: NW Greenland Glaciated Margin
Rig: JOIDES Resolution
Country: Greenland

HNCS EMS

PIRGS, FMS
Natural Gamma, Formation imager