

# Schlumberger

**Company: International Ocean Discovery Program**

Well: **Expedition 400, Site U1604B**

Field: **NW Greenland Glaciated Margin**Rig: **JOIDES Resolution** Country: **Greenland**

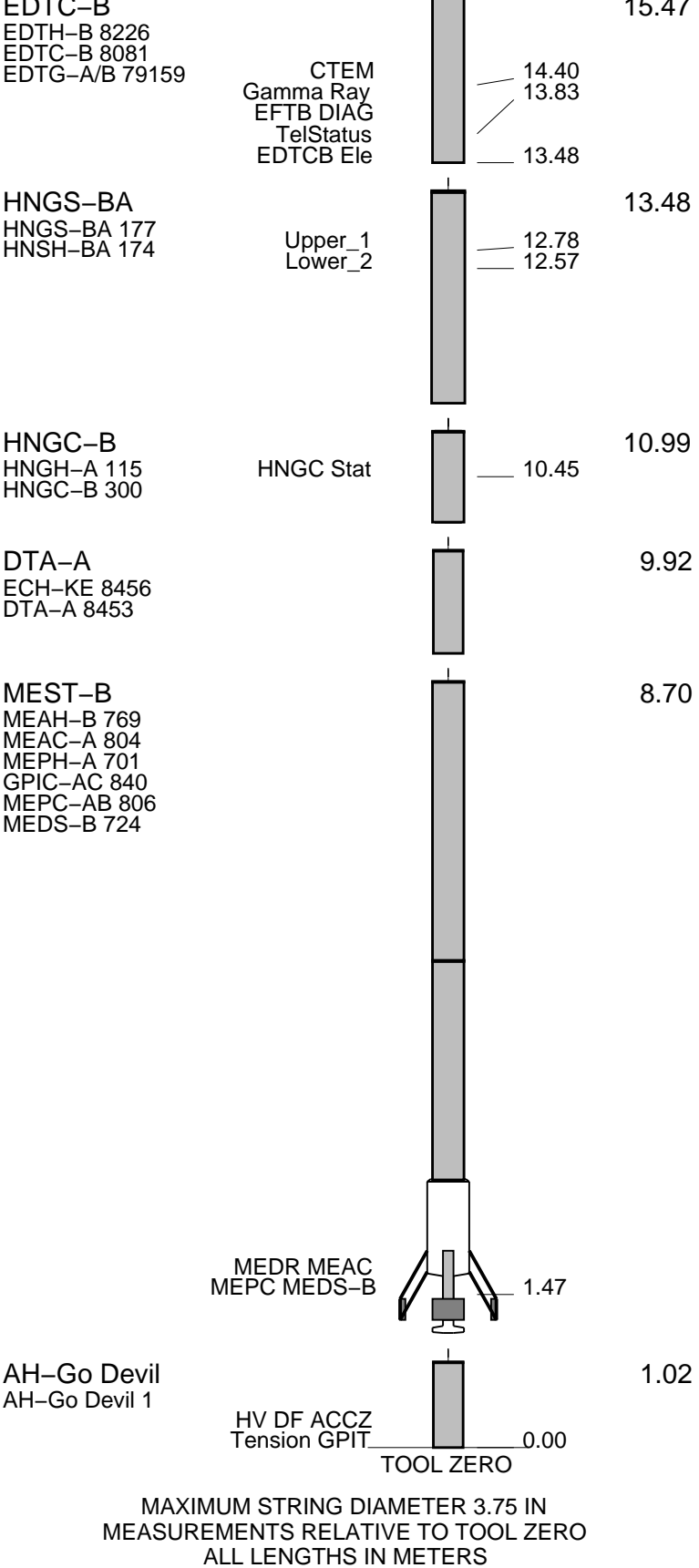
Rig:	JOIDES Resolution	FMS Log			
Field:	NW Greenland Glaciated Margin				
Location:	Latitude: N 73° 06.9077'				
Well:	Expedition 400, Site U1604B				
Company:	International Ocean Discovery Program				
LOCATION		Latitude: N 73° 06.9077'	Elev.: K.B.	0.00 m	
		Longitude: W 63° 47.3996'	G.L.	–1954.90 m	
			D.F.	0.00 m	
		Permanent Datum:	Sea Floor	Elev.: –1954.90 m	
		Log Measured From:	Rig Floor	1954.90 m above Perm. Datum	
		Drilling Measured From:	Rig Floor		
Ocean:		Max. Well Deviation	Longitude	Latitude	
Arctic Ocean		0 deg	W 63° 47.3996'	N 73° 6.9077'	

Logging Date			9-Sep-2023					
Run Number			2					
Depth Driller			2384.5 m					
Schlumberger Depth			2384 m					
Bottom Log Interval			2384 m					
Top Log Interval			1954 m					
Casing Driller Size @ Depth			0.000 in @ 6.56168 m			@		
Casing Schlumberger			35.3018 m					
Bit Size			11.438 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	9-Sep-2023	1:00				
Logger On Bottom		Time	9-Sep-2023	8:30				
Unit Number		Location	627314	Larose, LA				
Recorded By			K. Garrett					
Witnessed By			B. Rhinehart					

[illegible]

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





Schlumberger

Downlog

MAXIS Field Log

Input DLIS Files

DEFAULT Flip\_FMS\_NGS\_014LUP PRODUCER 09-Sep-2023 08:31 2366.8 M 1936.2 M

Output DLIS Files

DEFAULT FMS\_NGS\_017PUP FN:14 PRODUCER 09-Sep-2023 10:18 2366.8 M 1936.2 M

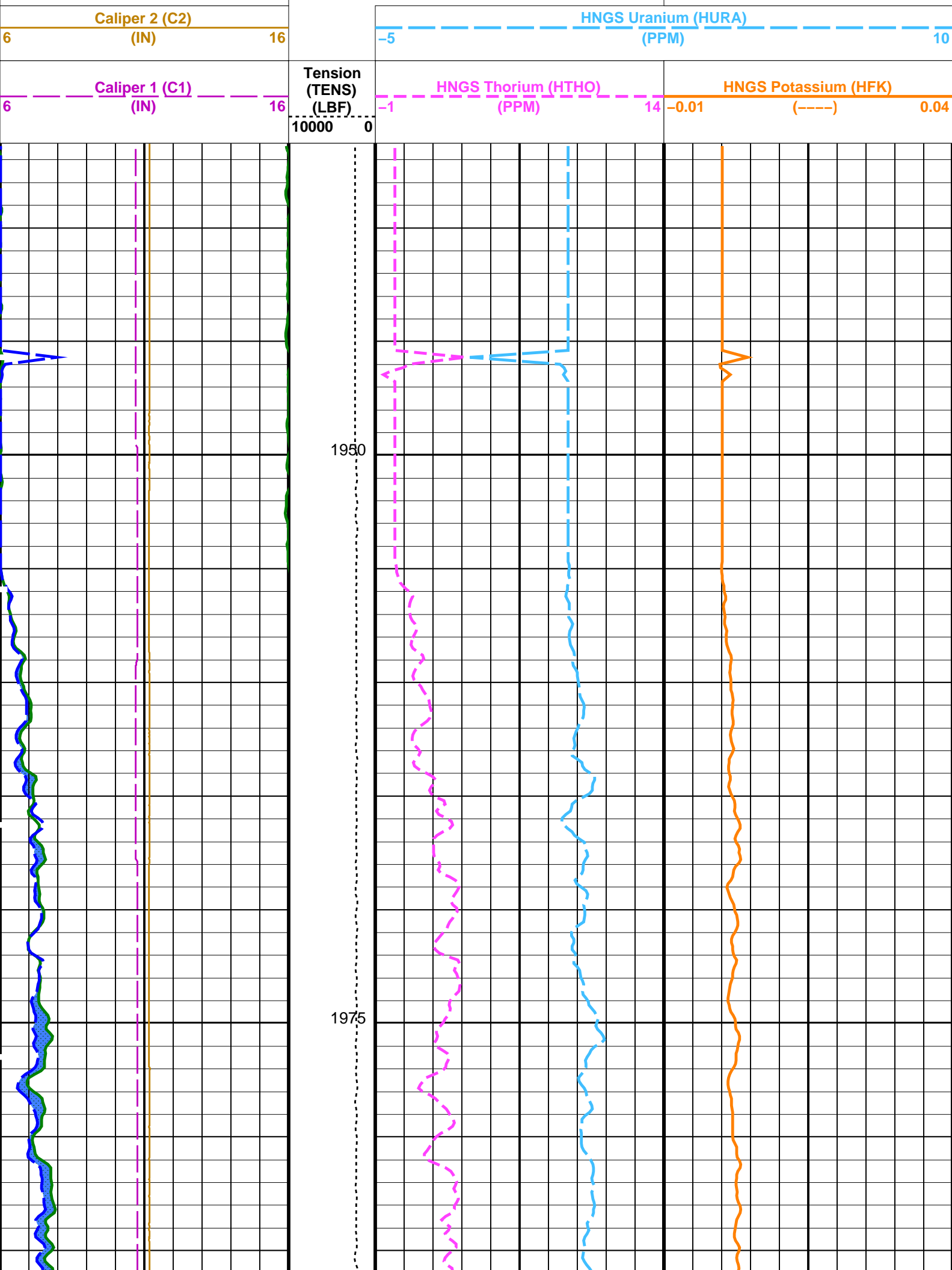
OP System Version: 19C0-187

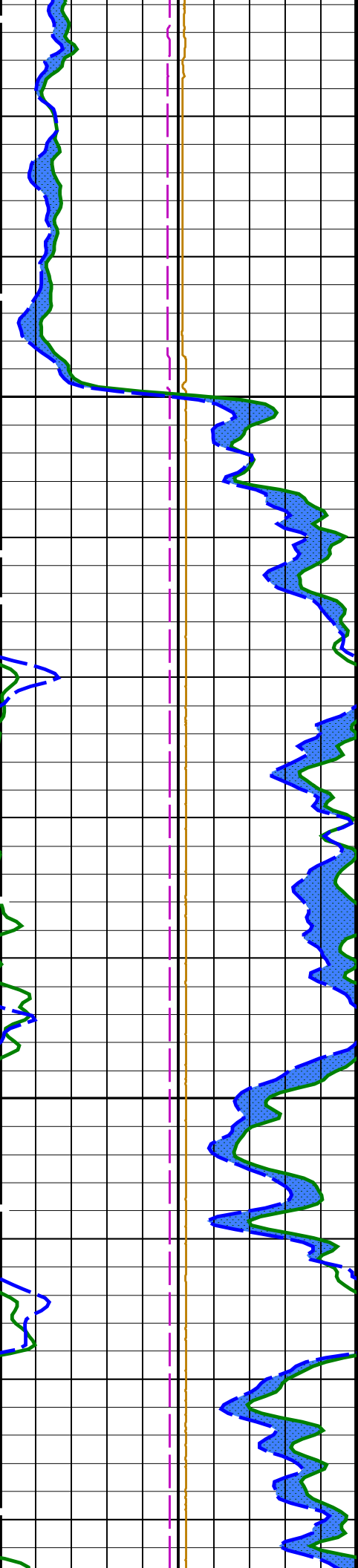
MEST-B 19C0-187 DTA-A 19C0-187  
HNGC-B 19C0-187 HNGS-BA 19C0-187  
EDTC-B 19C0-187

PIP SUMMARY



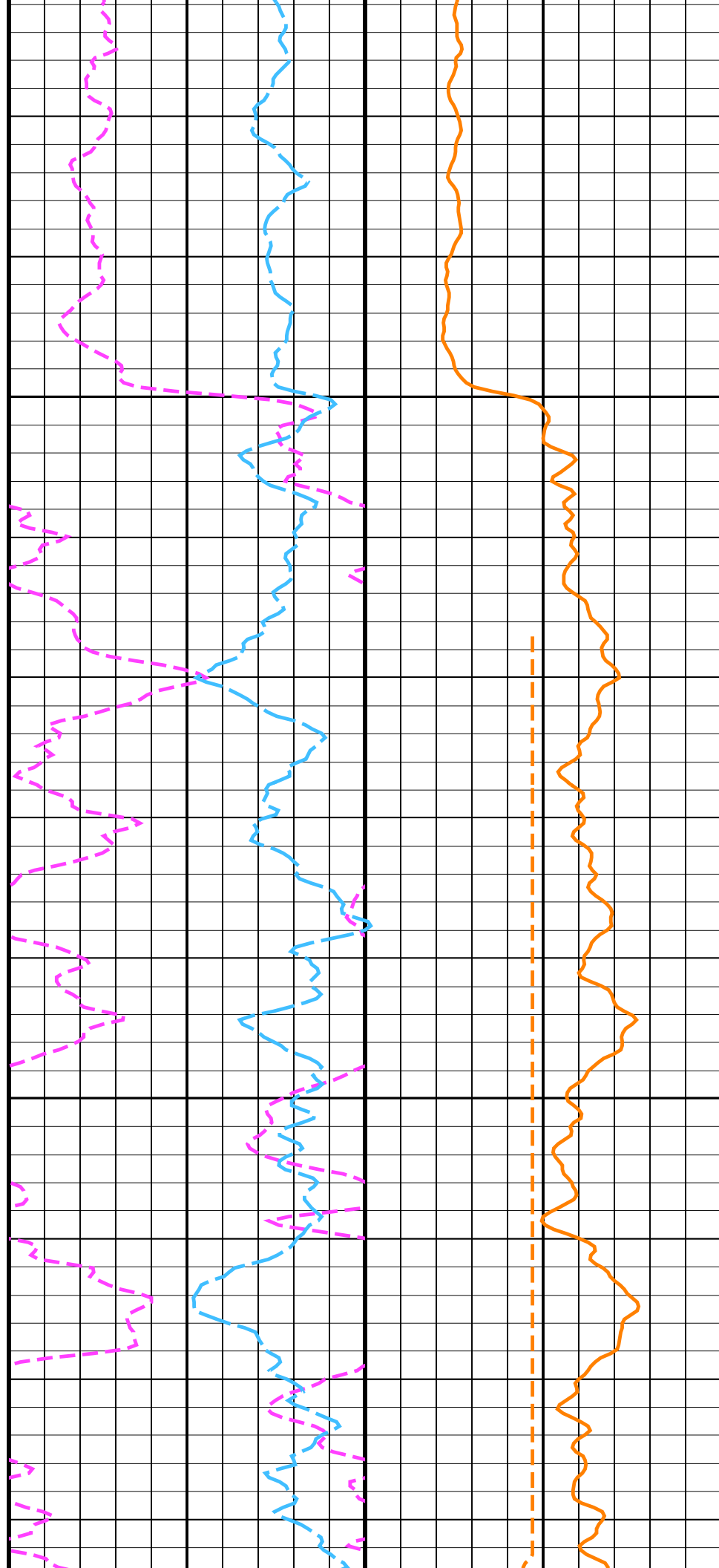


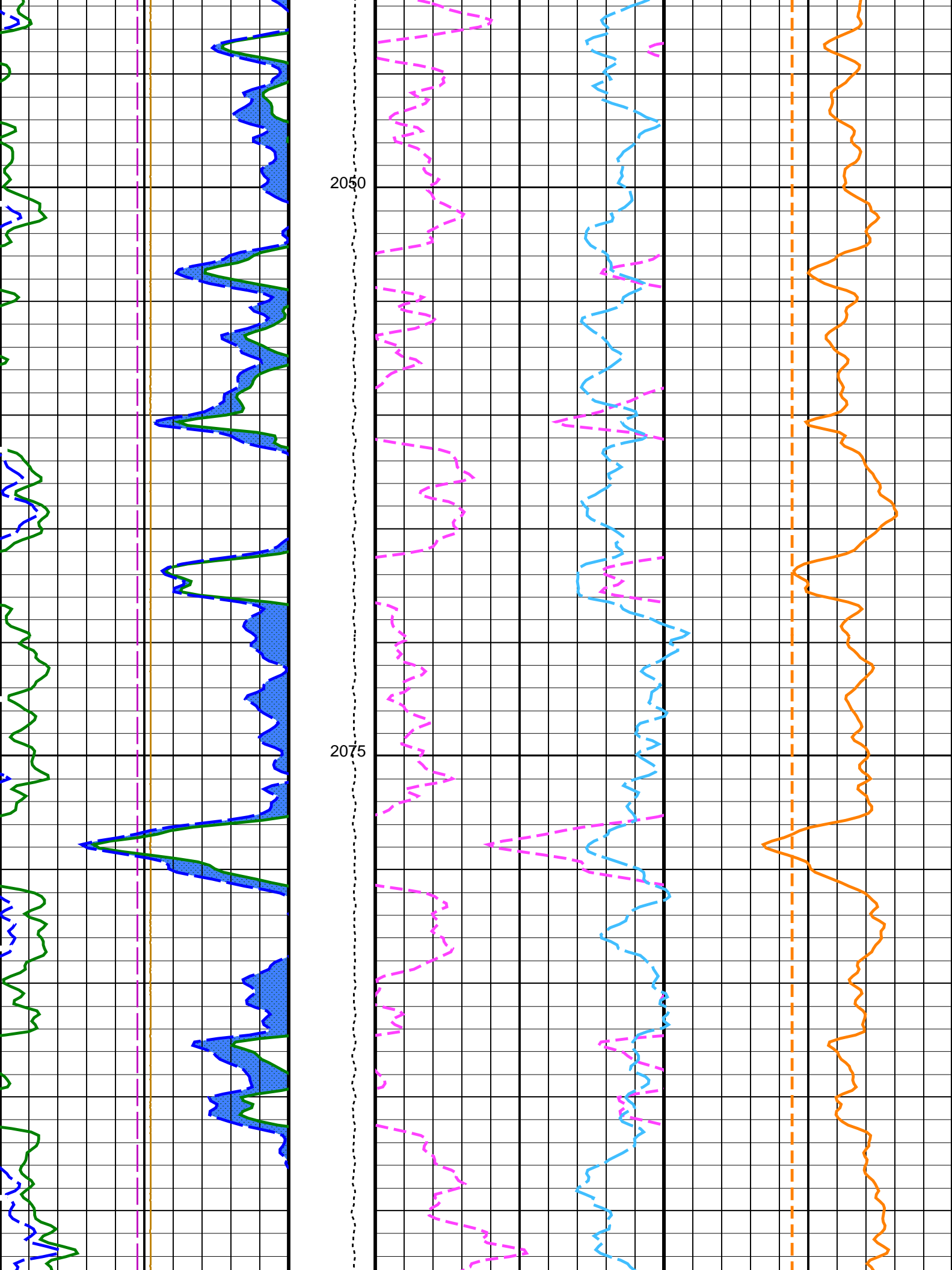


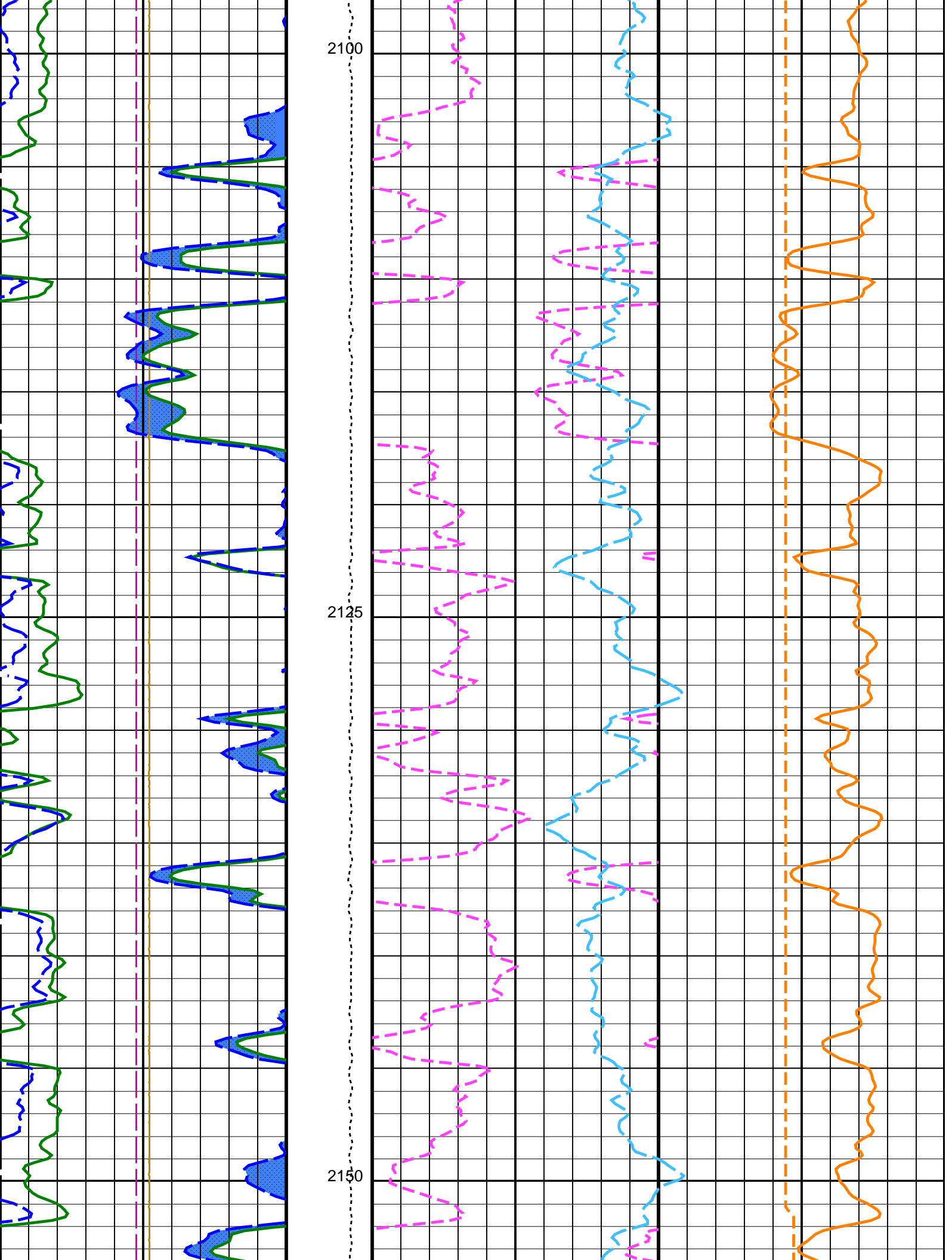


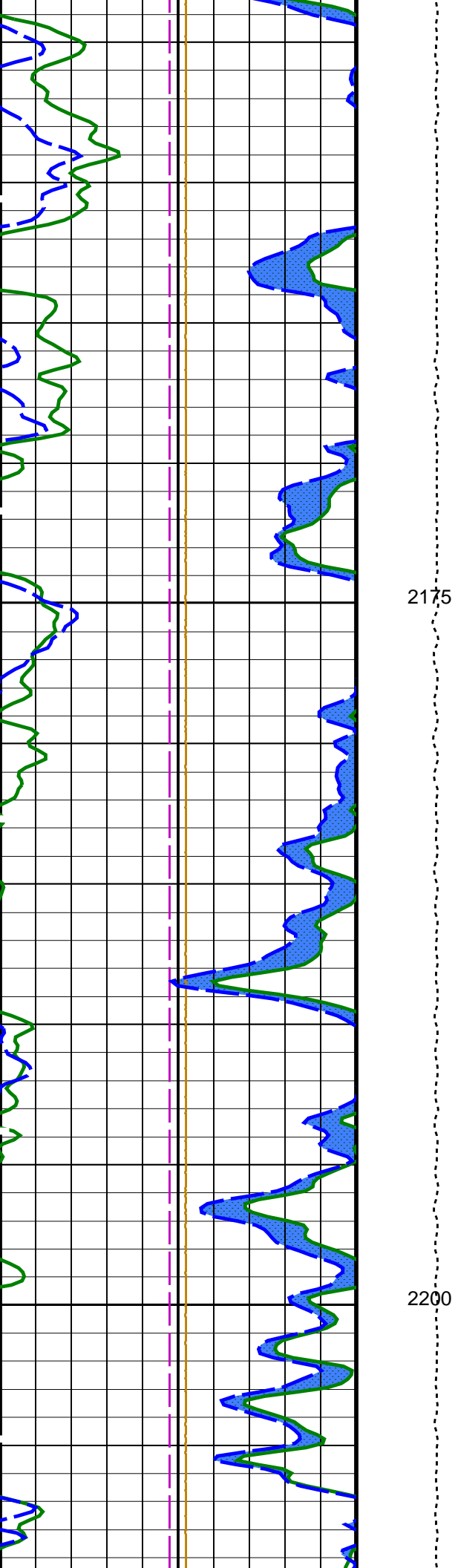
2000

2025



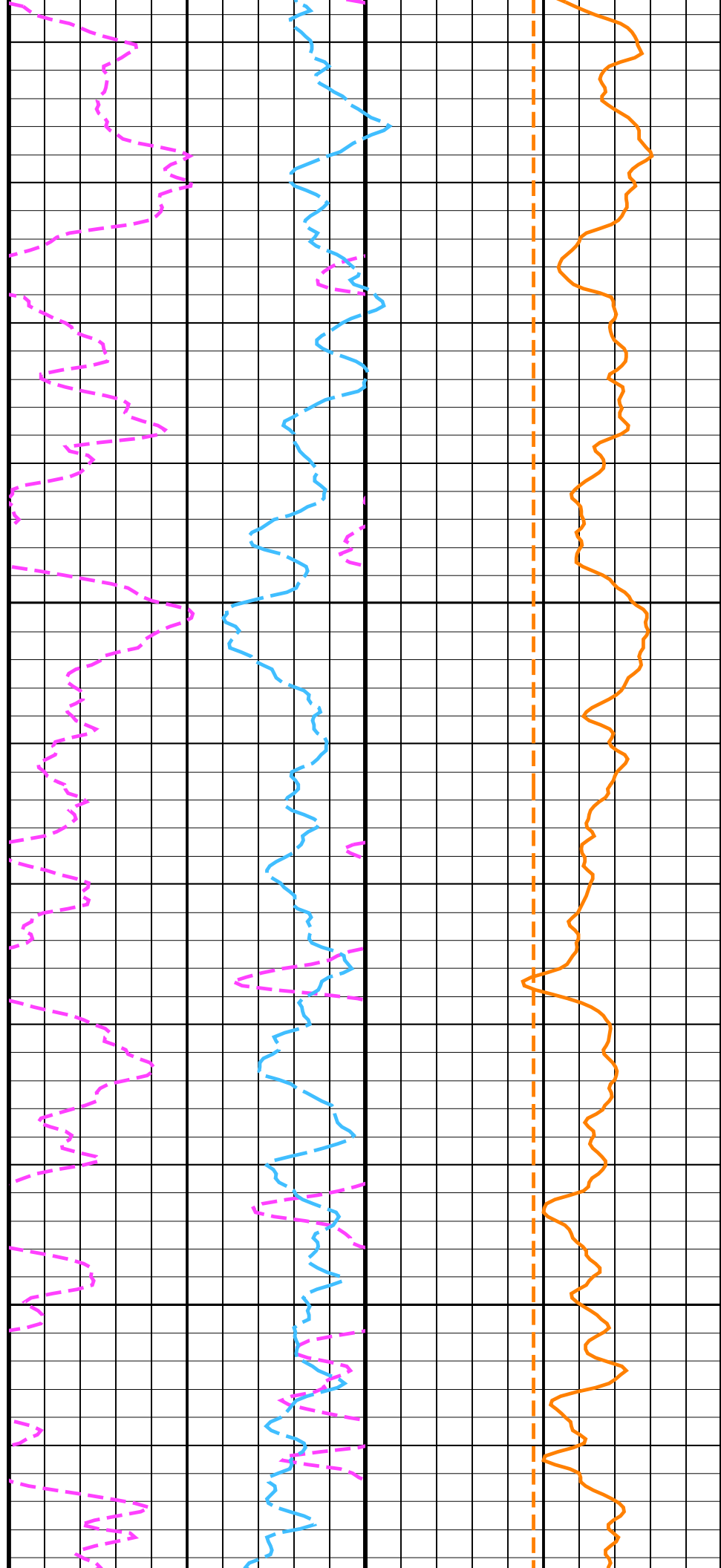


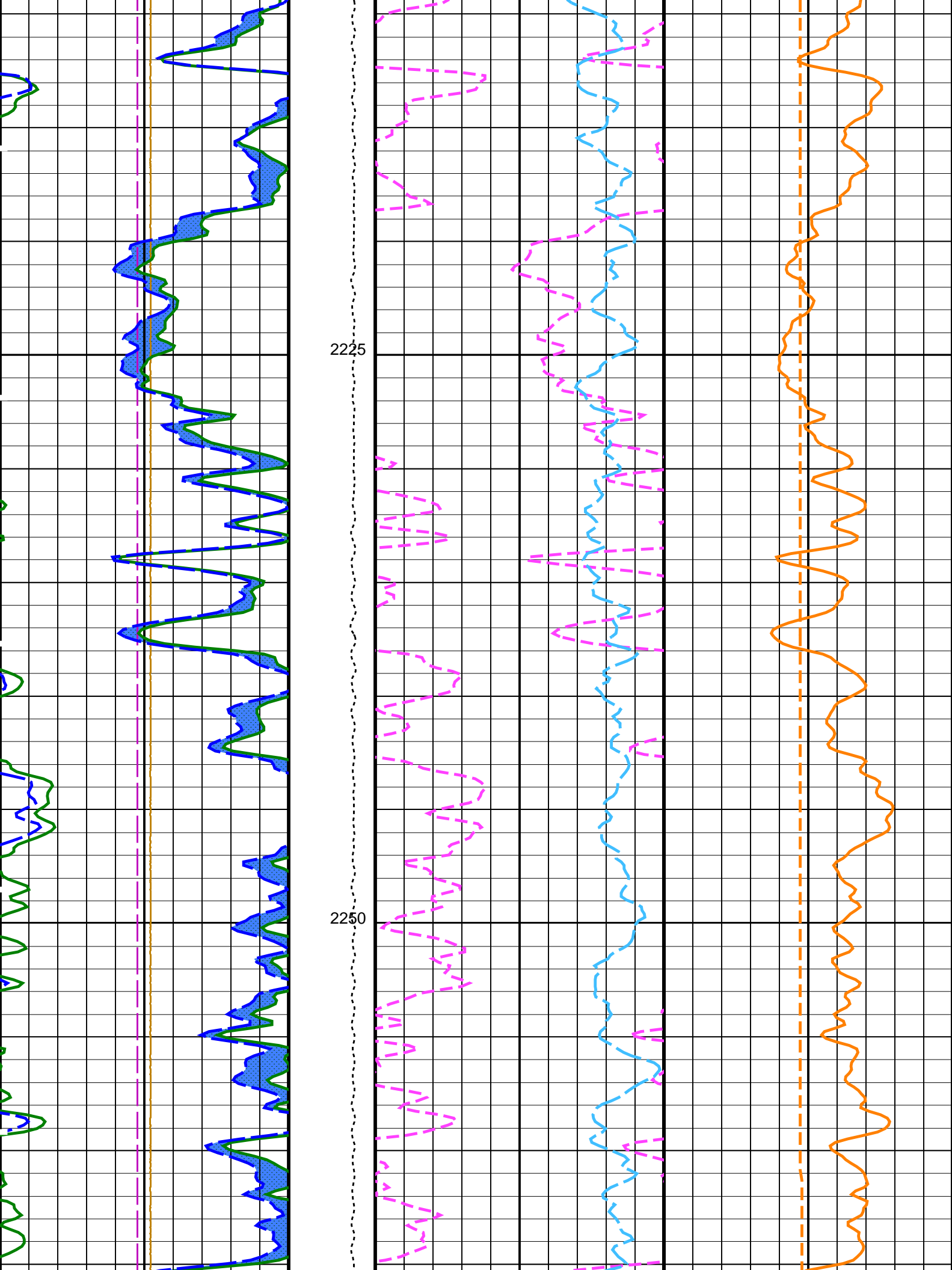


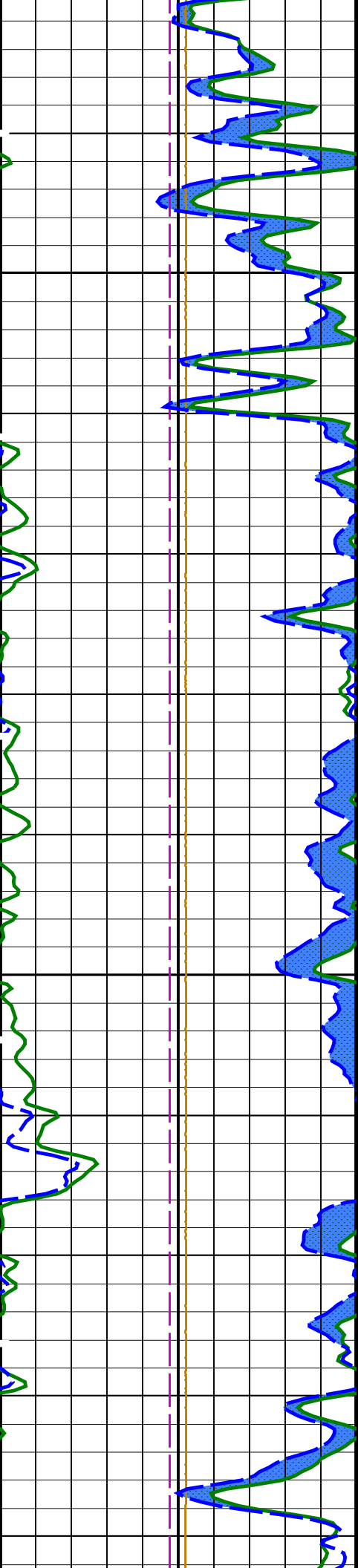


2175

2200

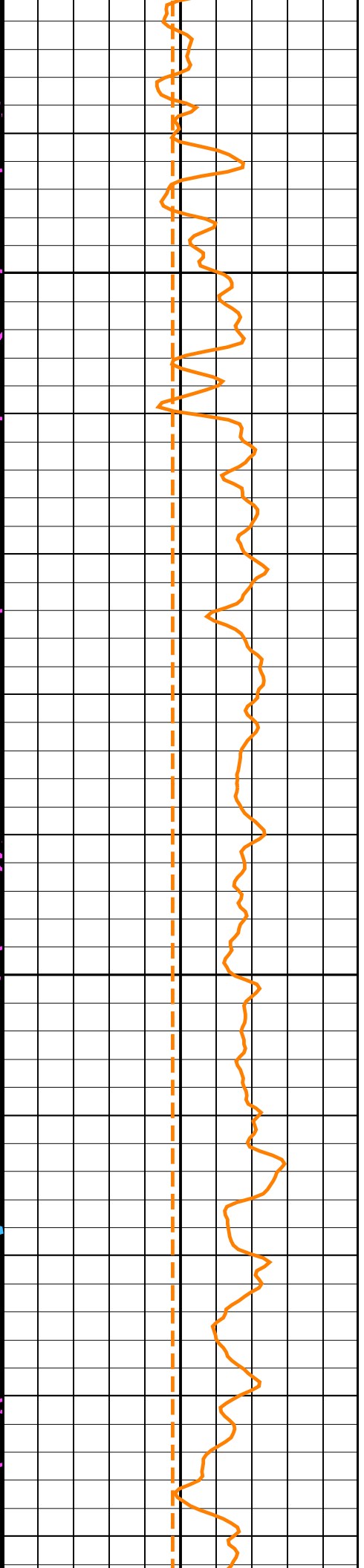
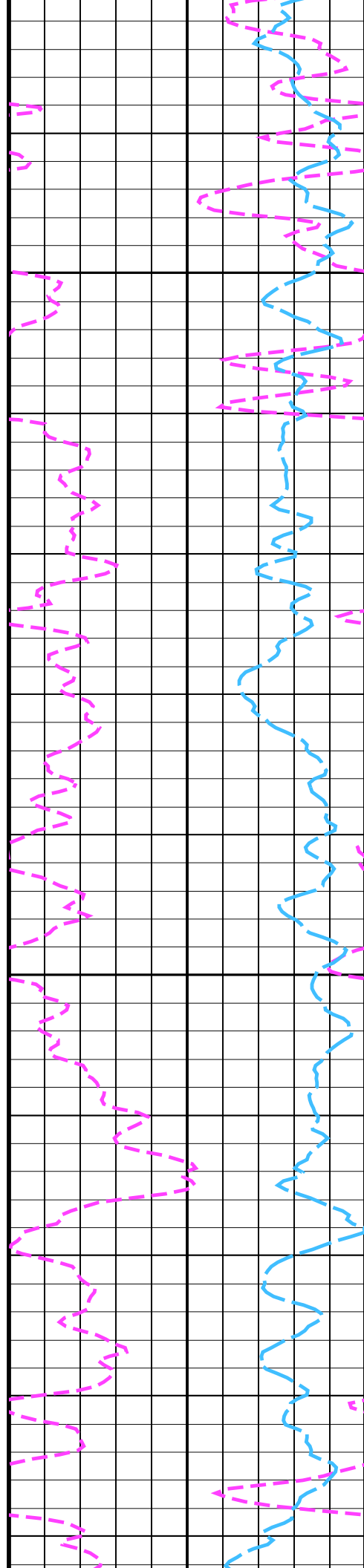


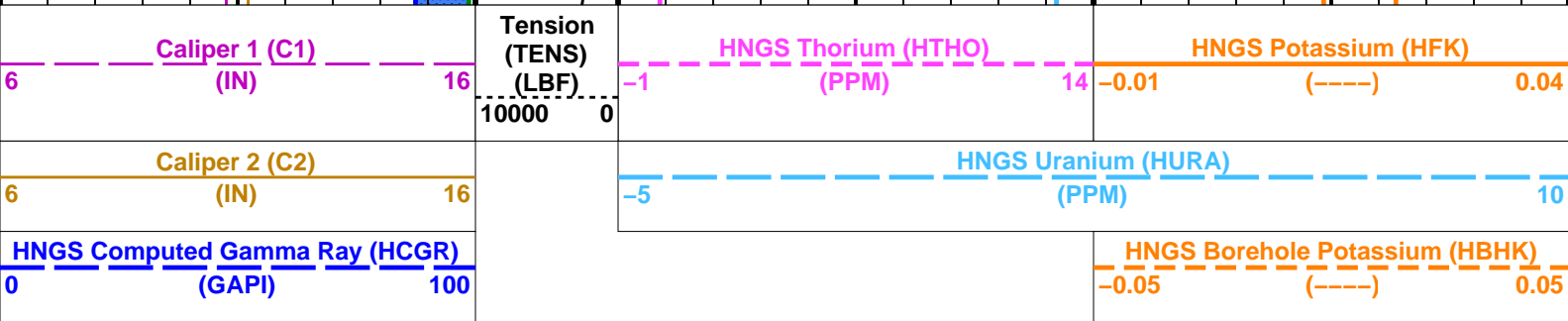
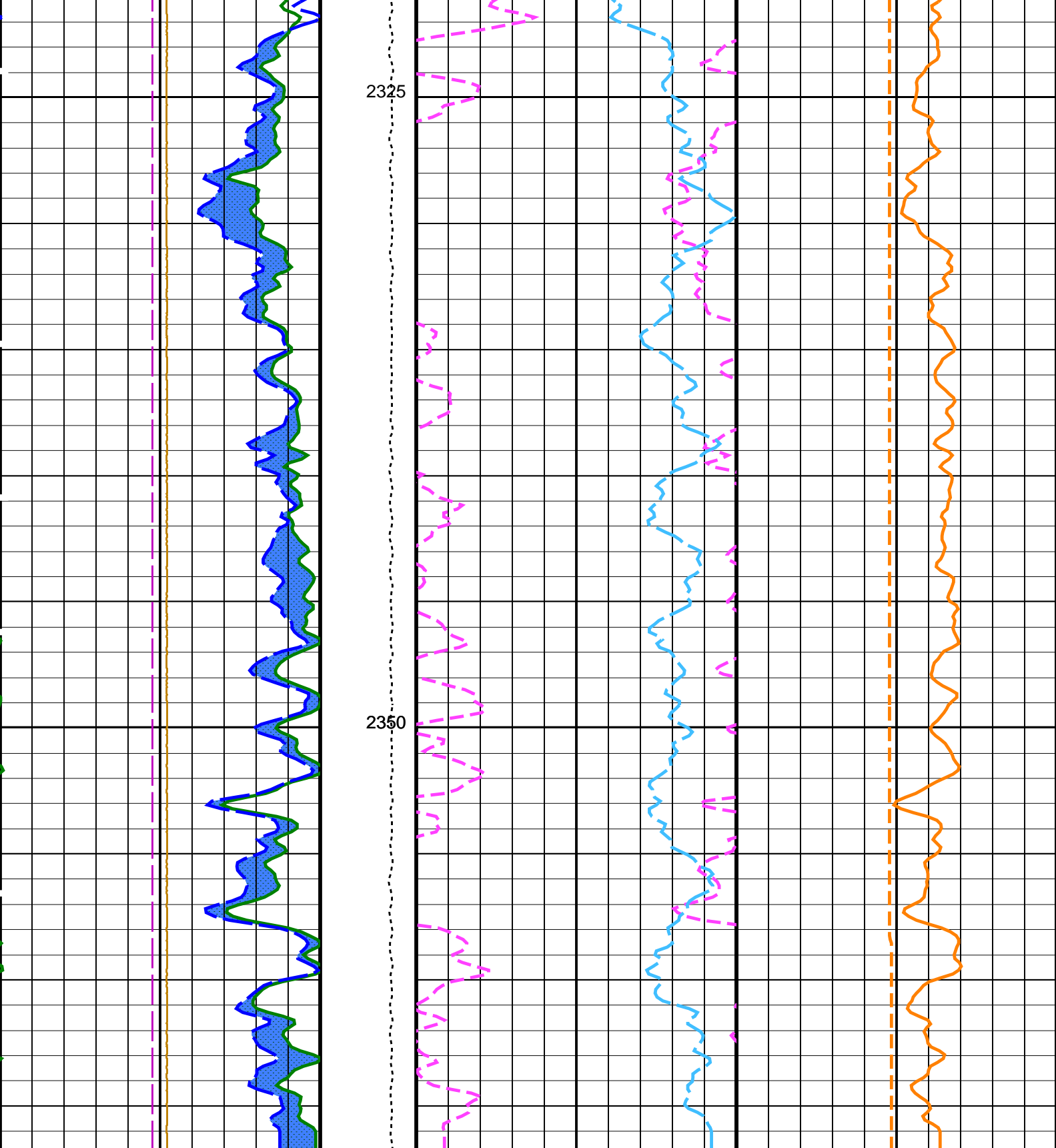




2275

2300





Area1  
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	–0.00316574
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	0.986657
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.966747
EDTC–B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
System and Miscellaneous		
BS	Bit Size	11.438 IN
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 09–Sep–2023 10:18
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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		

Input DLIS Files					
DEFAULT	Flip_FMS_NGS_014LUP	PRODUCER	09–Sep–2023 08:31	2366.8 M	1936.2 M
Output DLIS Files					
DEFAULT	FMS_NGS_017PUP	FN:14	PRODUCER	09–Sep–2023 10:18	



MAXIS Field Log	
Output DLIS Files	

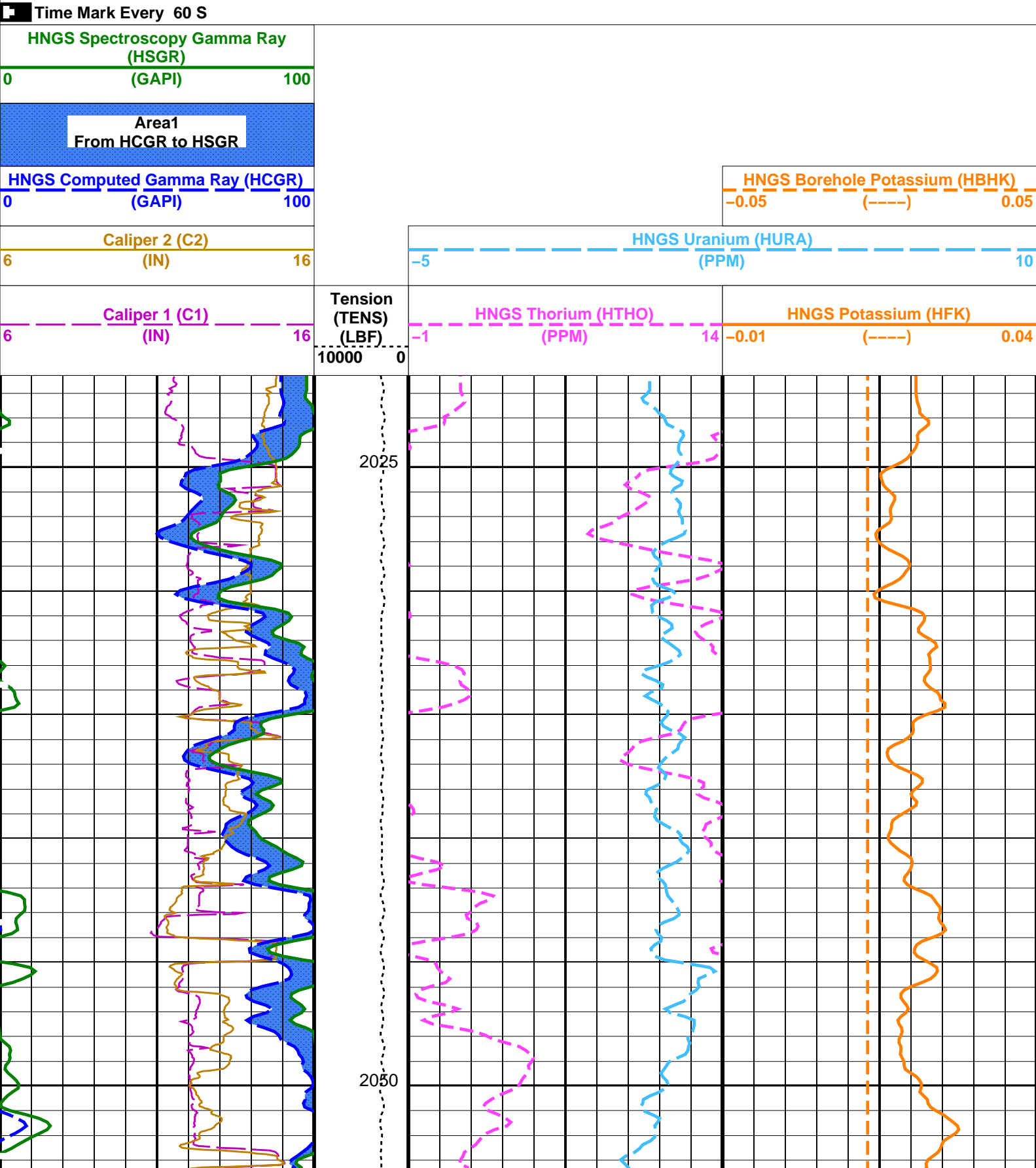
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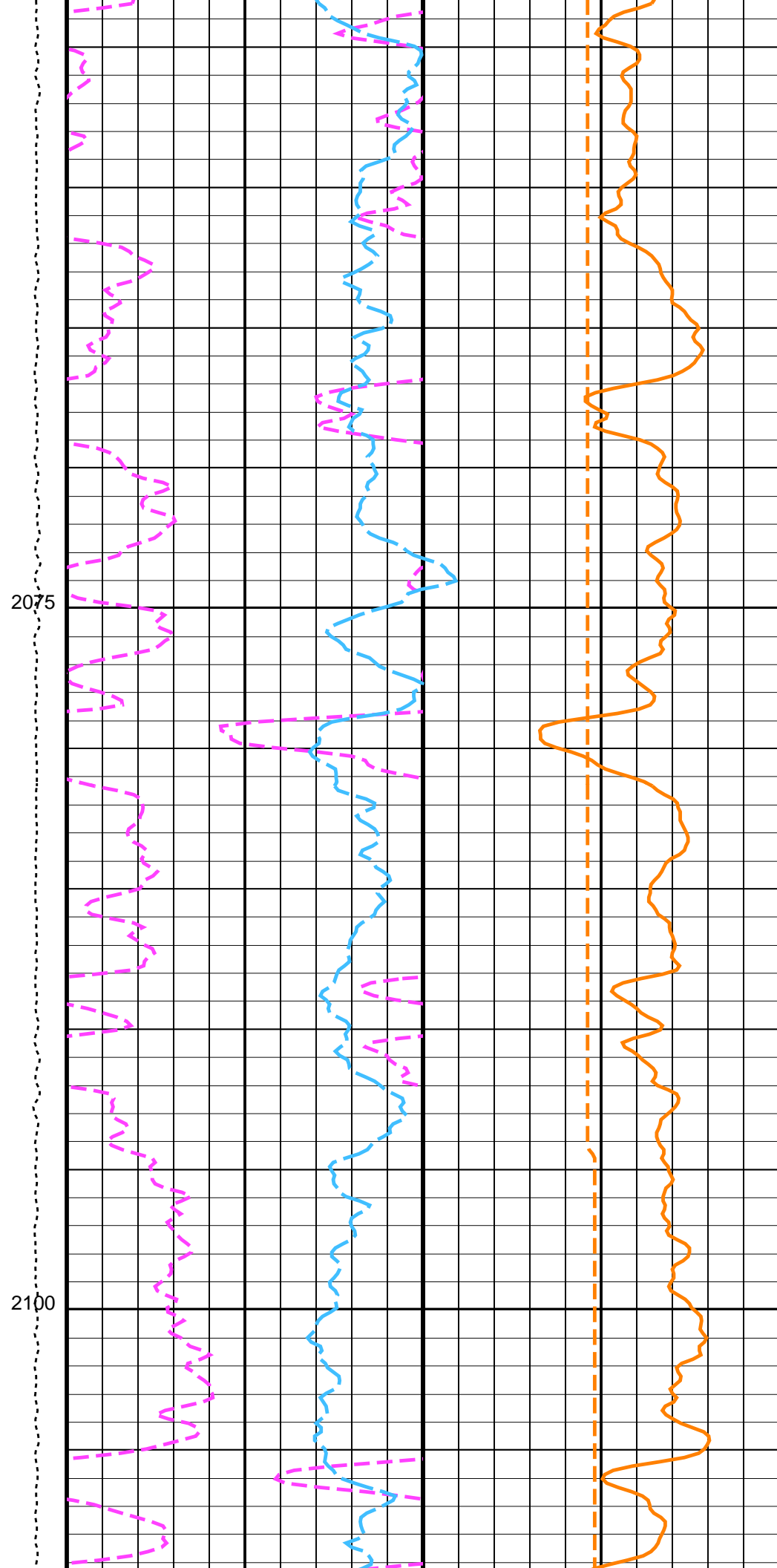
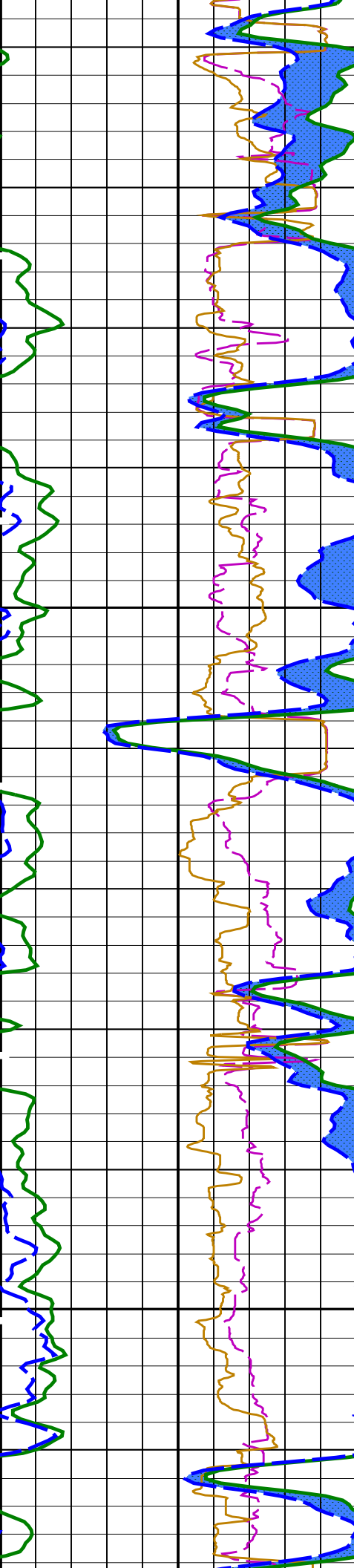
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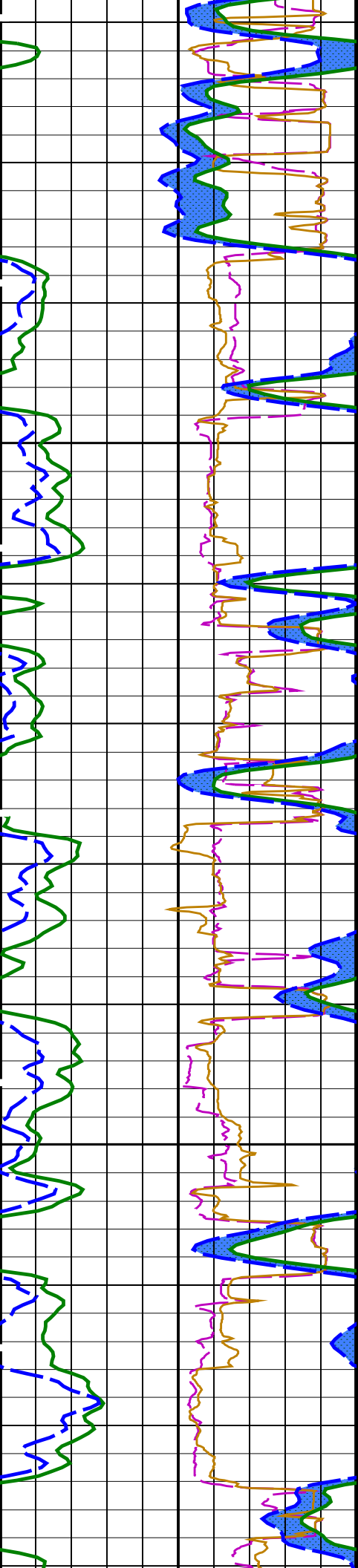
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EDTC-B19C0-187

PIP SUMMARY

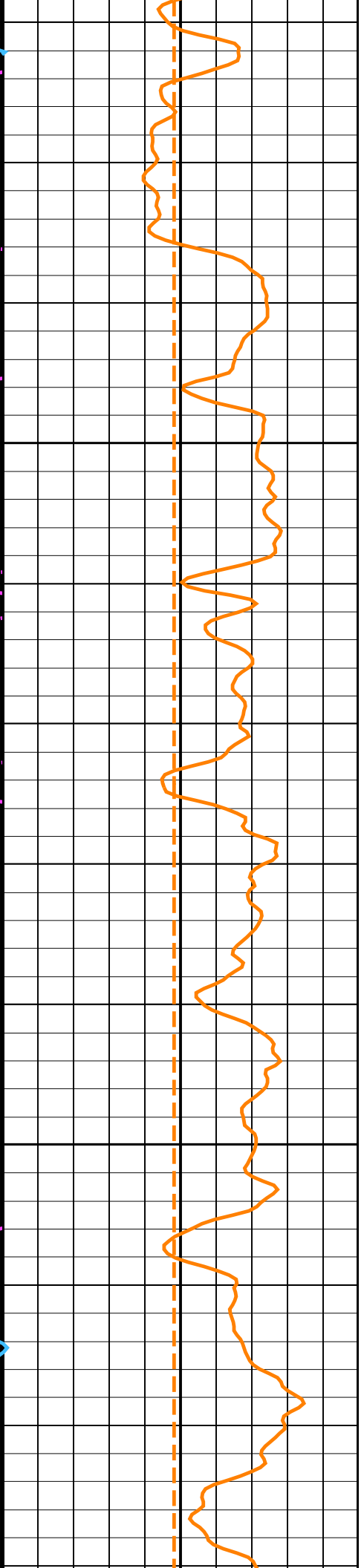
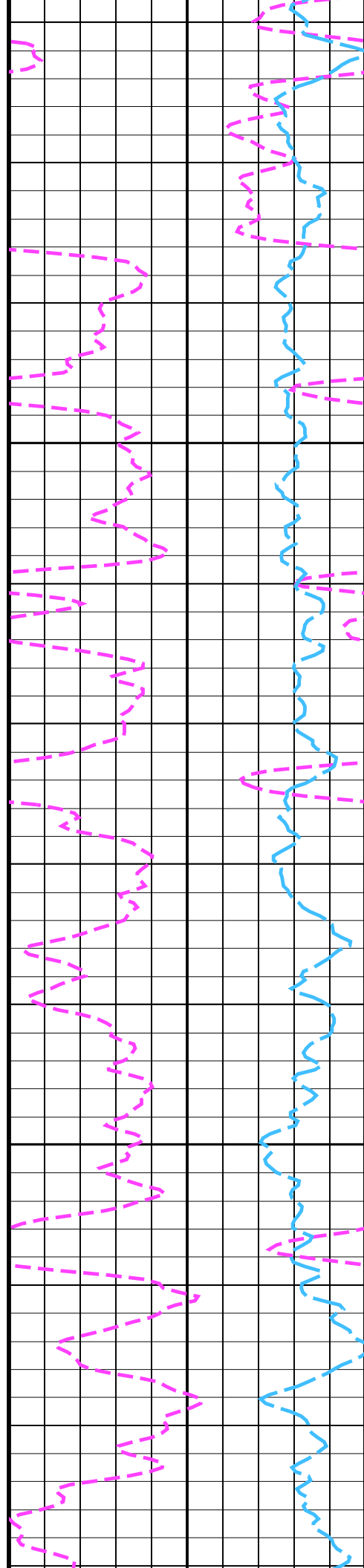


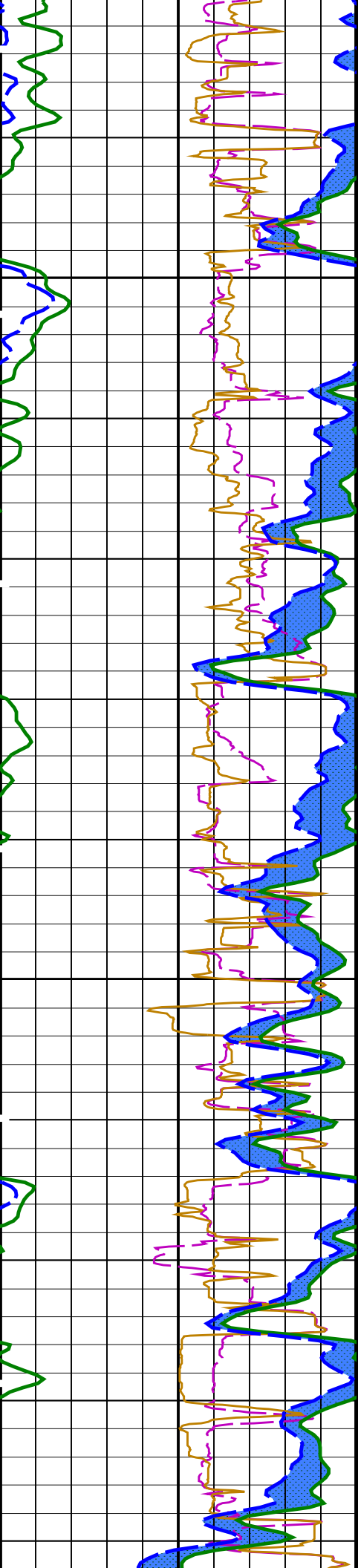




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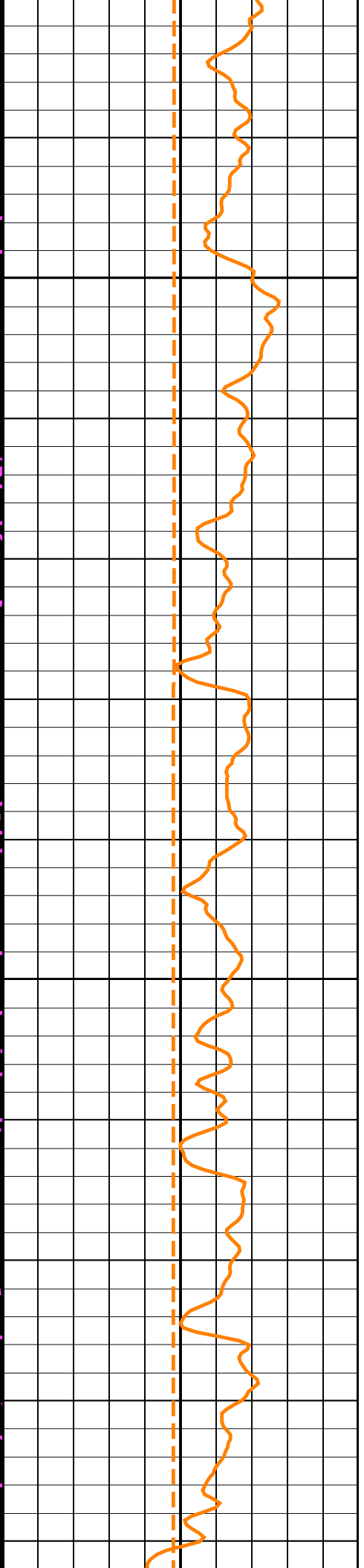
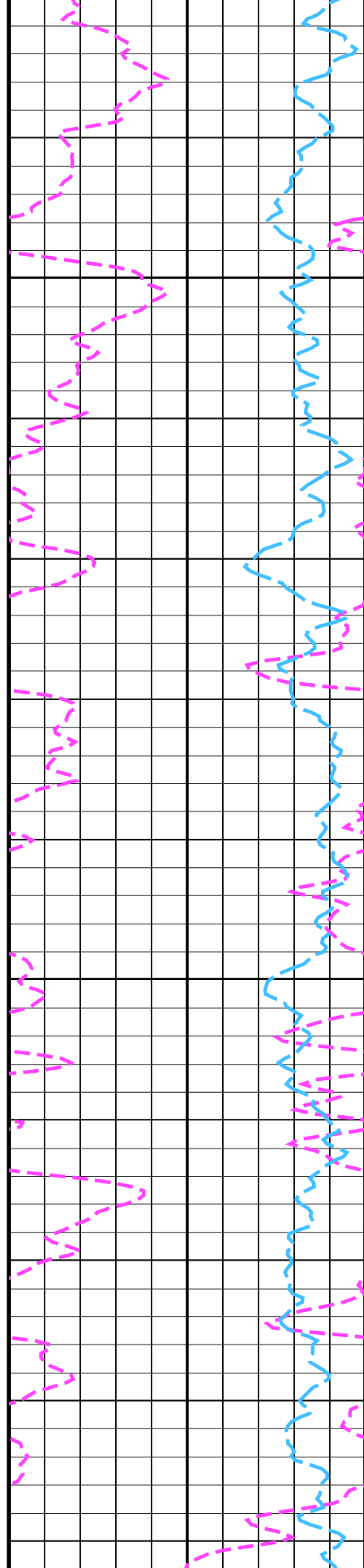
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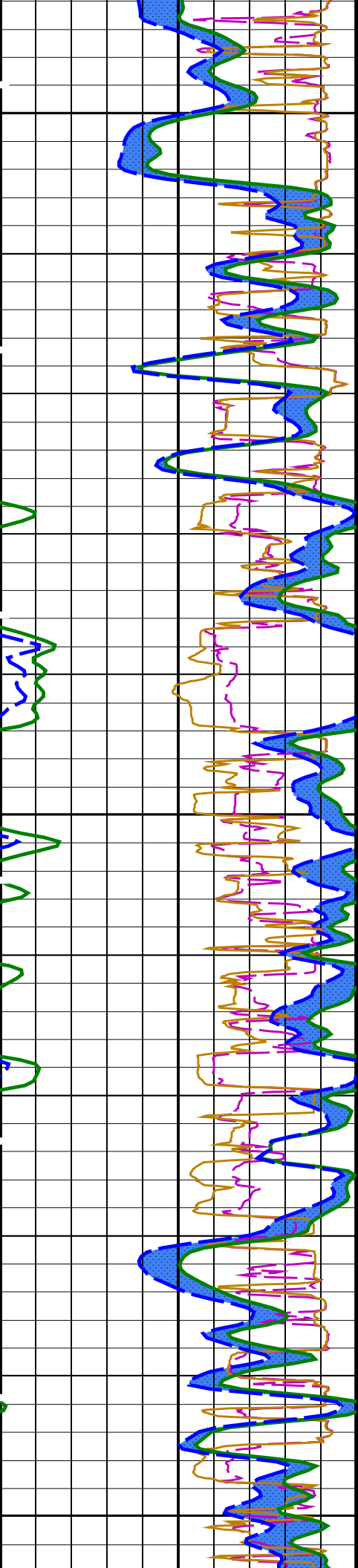




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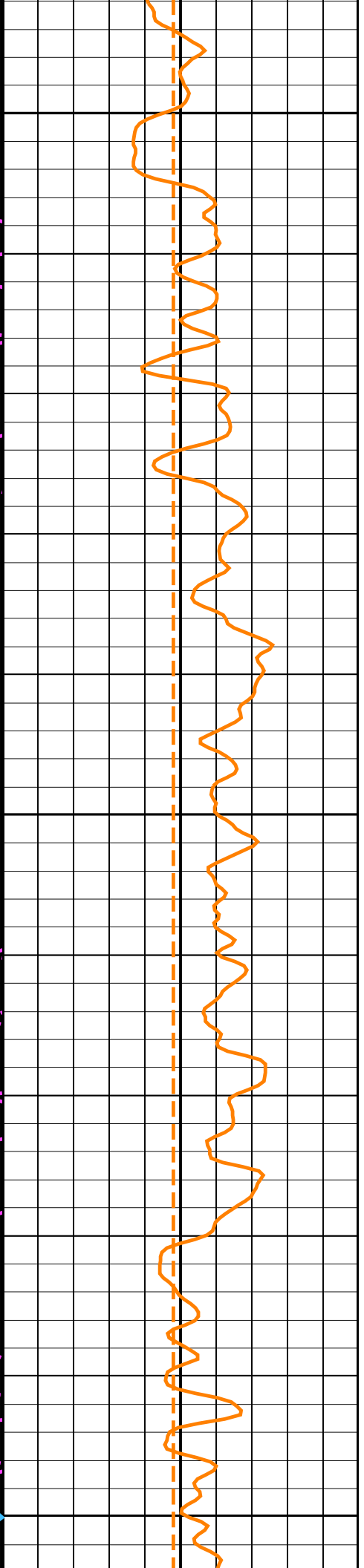
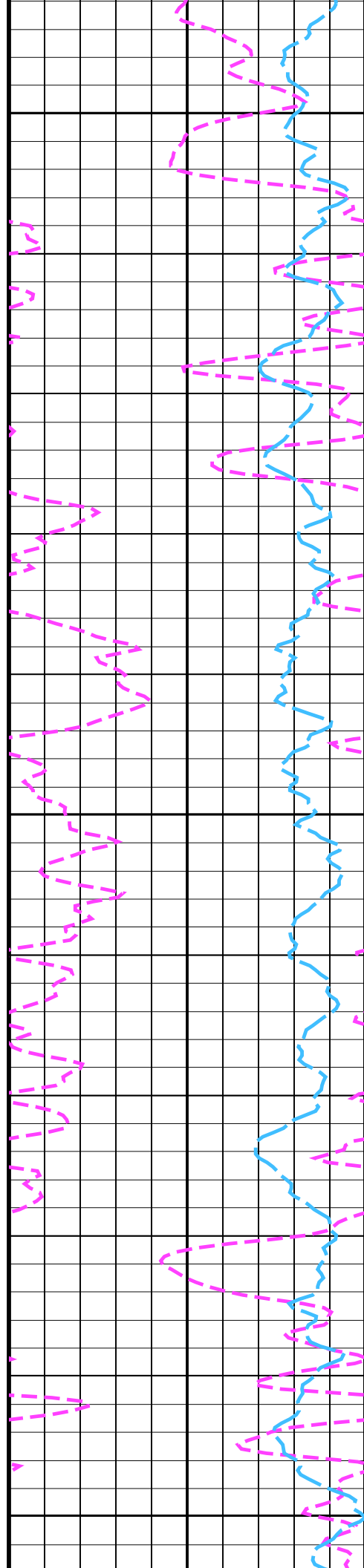


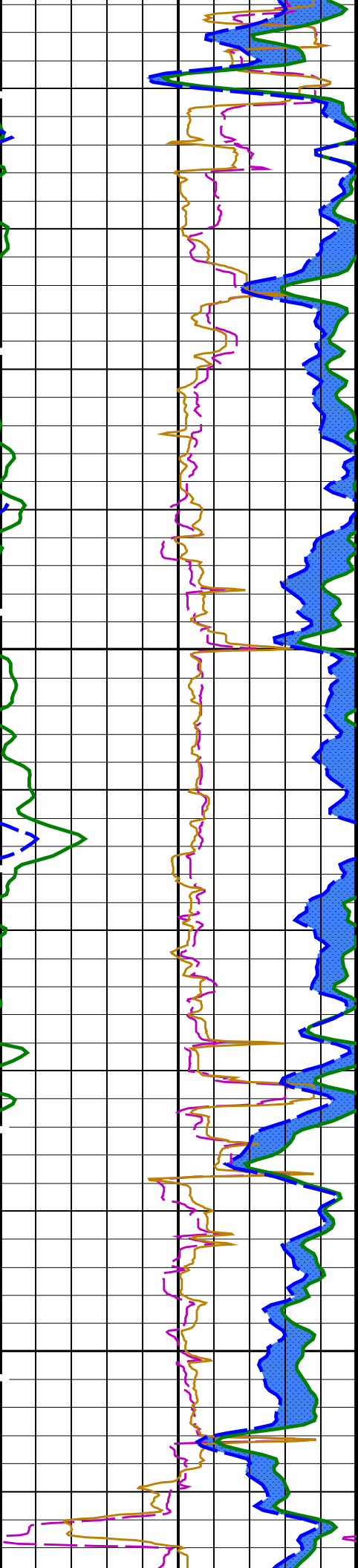


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2250

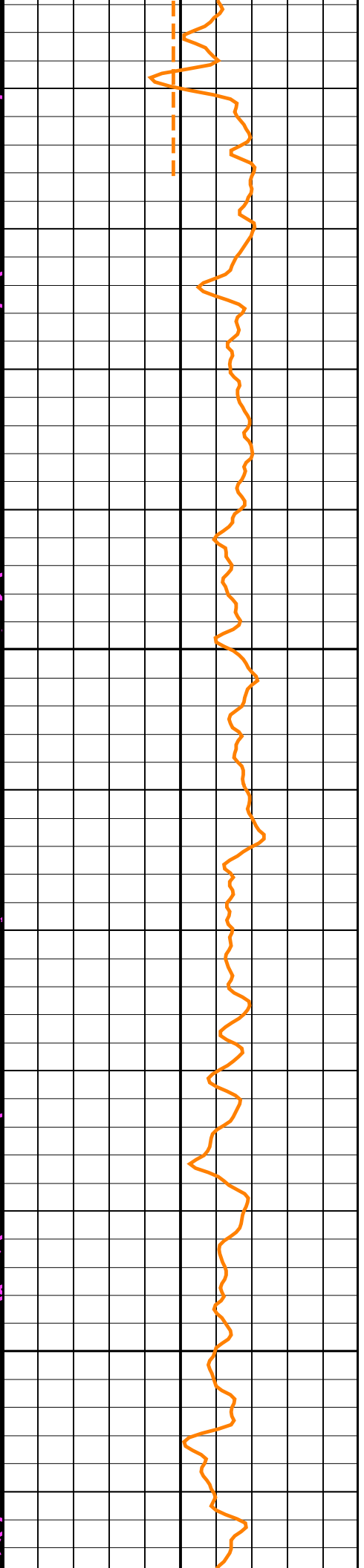
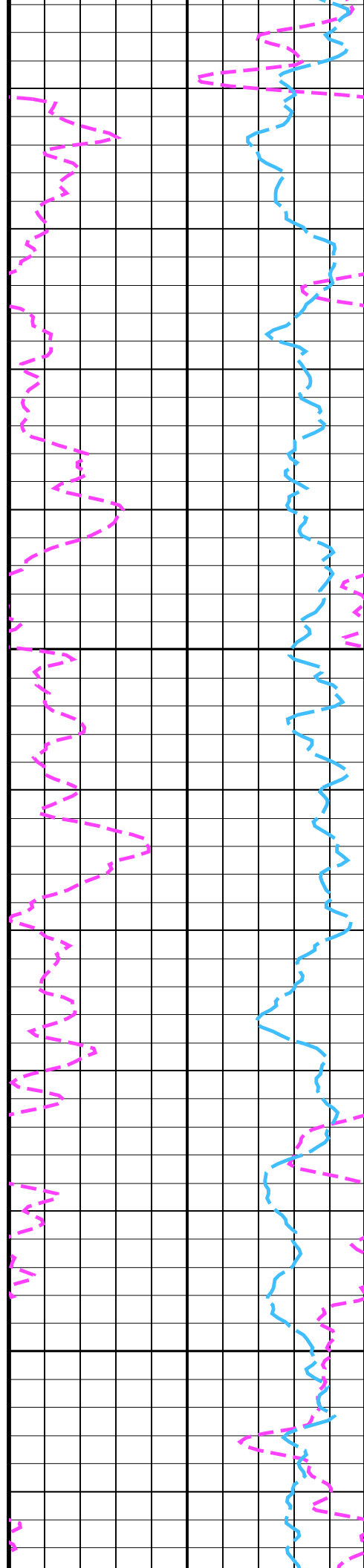
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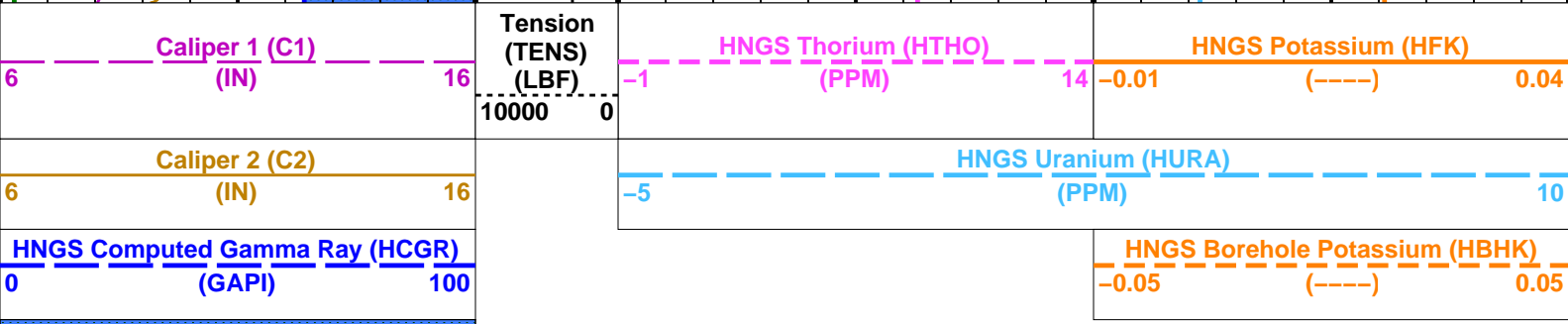
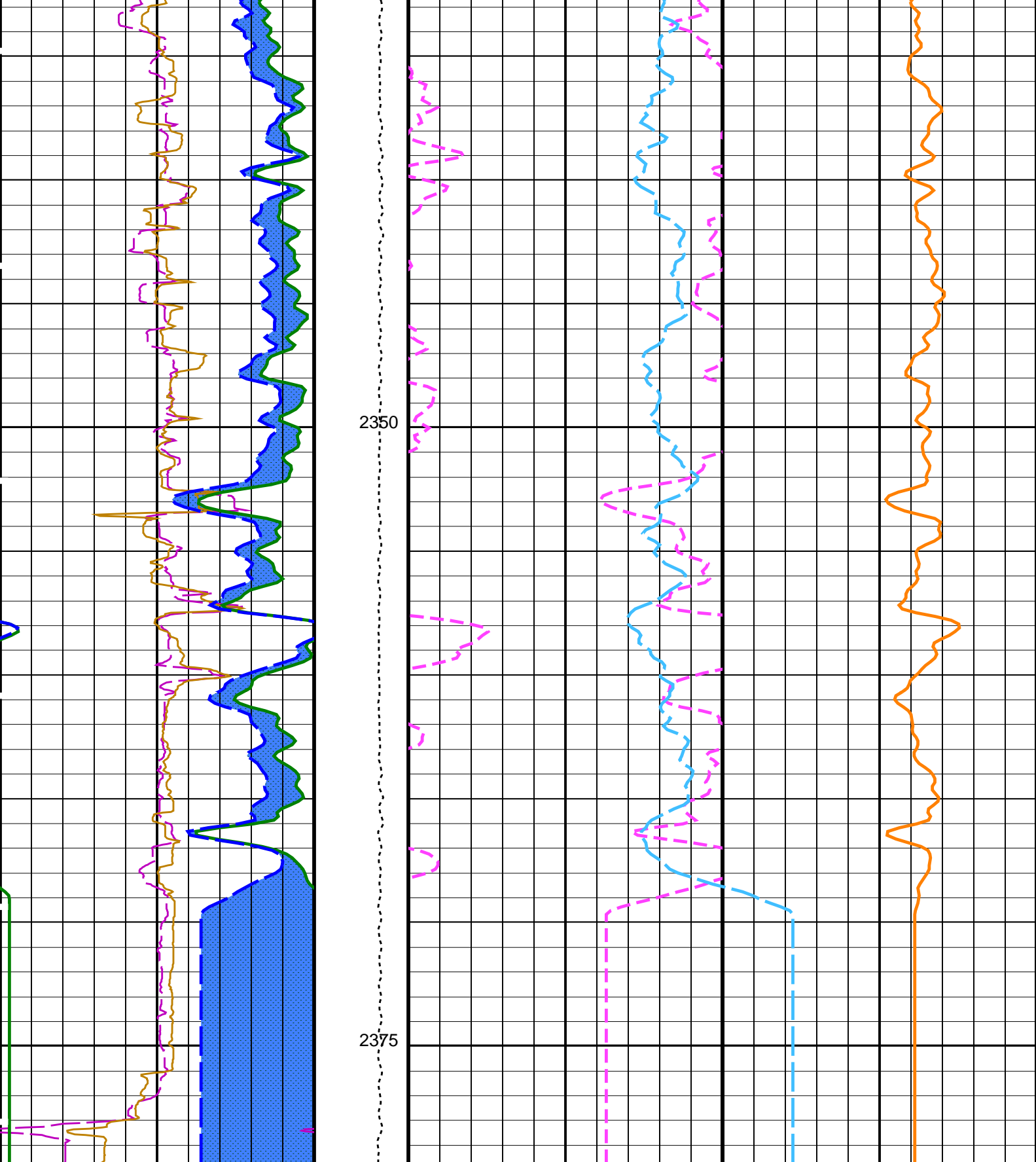




2300

2325







Area1 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	-0.00319999
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	0.982591
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.974824
EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
System and Miscellaneous		
BS	Bit Size	11.438 IN

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 09-Sep-2023 08:34
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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		

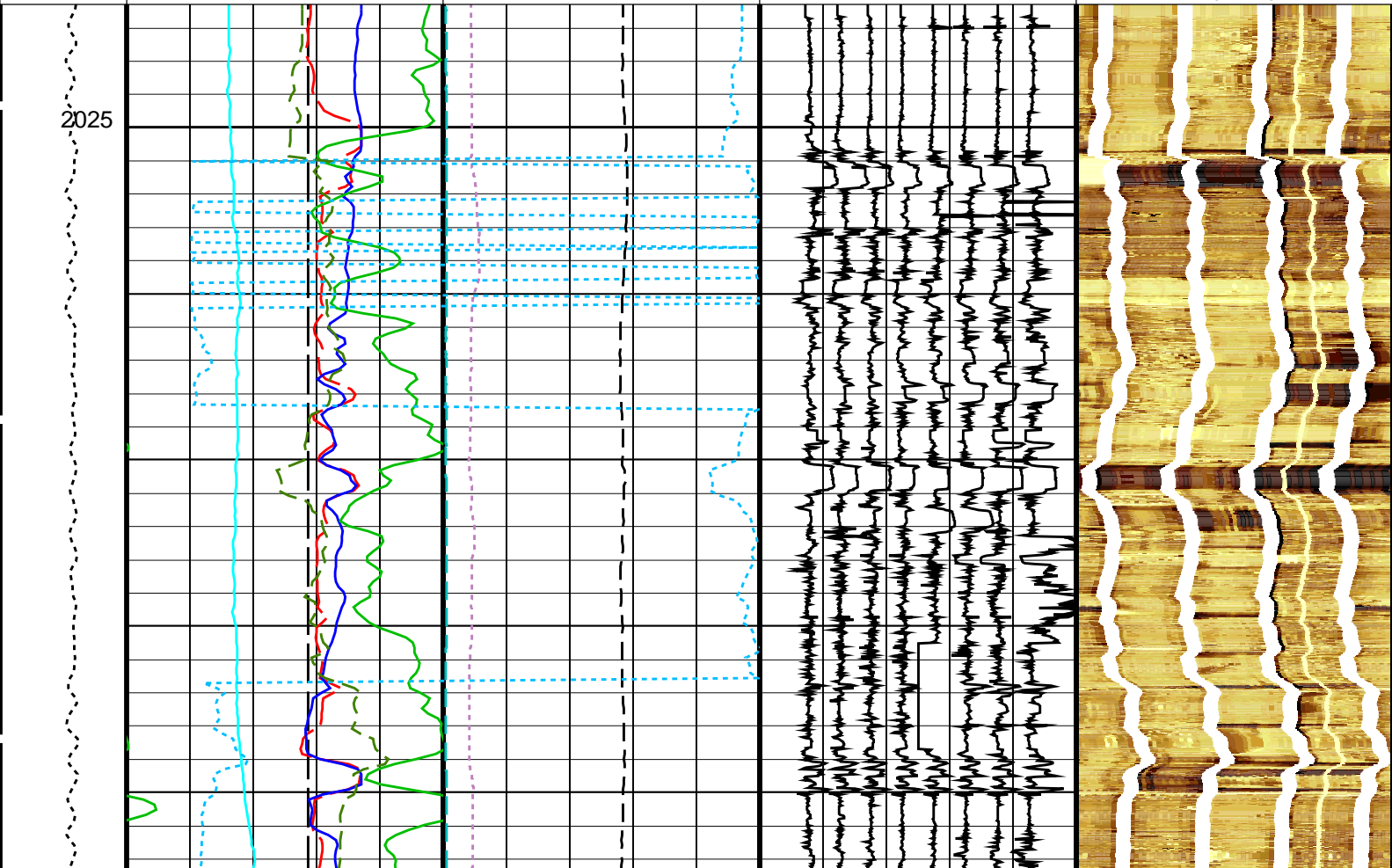
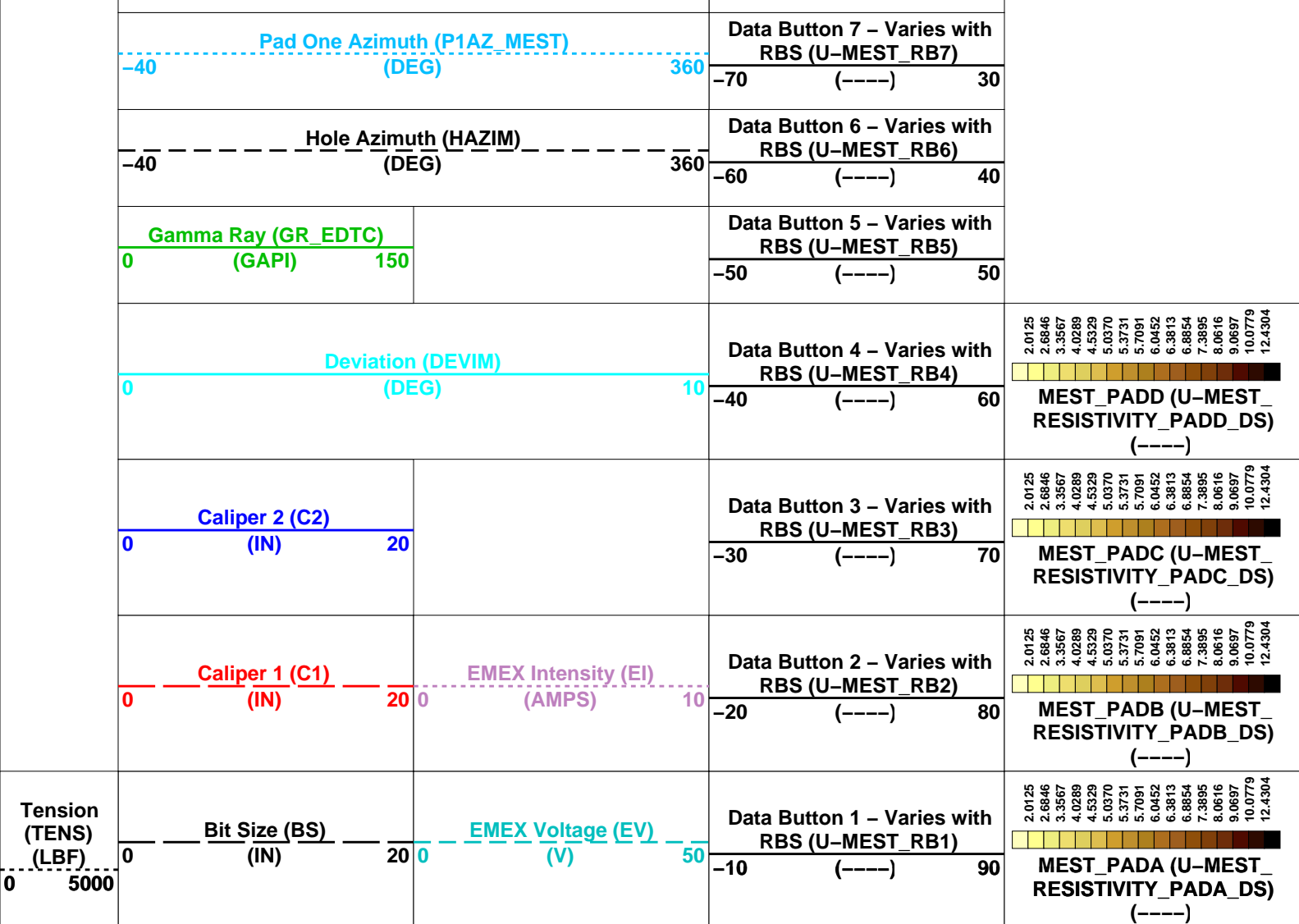
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Company: International Ocean Discovery Program	Well: Expedition 400, Site U1604B
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Output DLIS Files			
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HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	19C0-187		

PIP SUMMARY		
Time Mark Every 60 S		

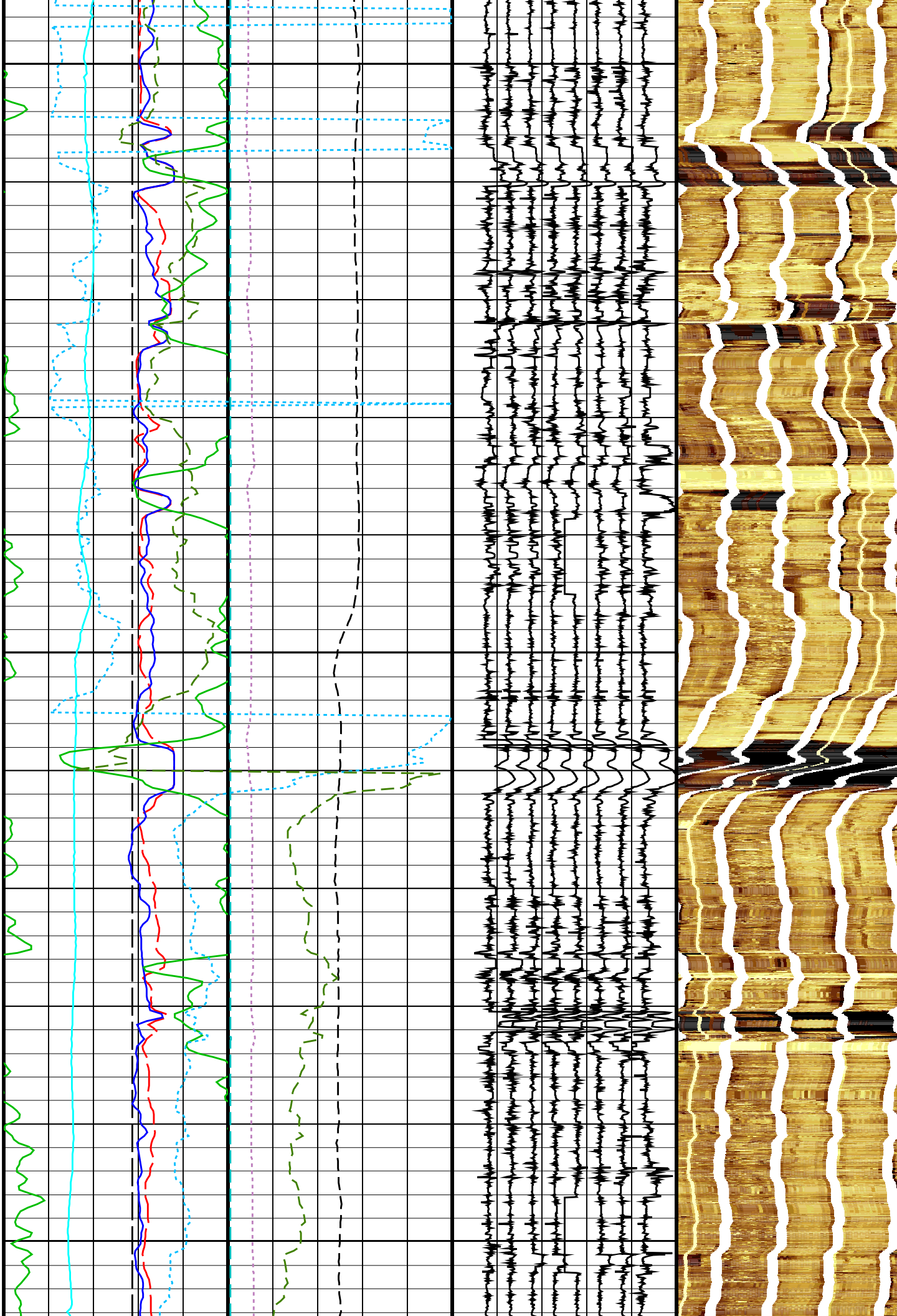
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2050

2075

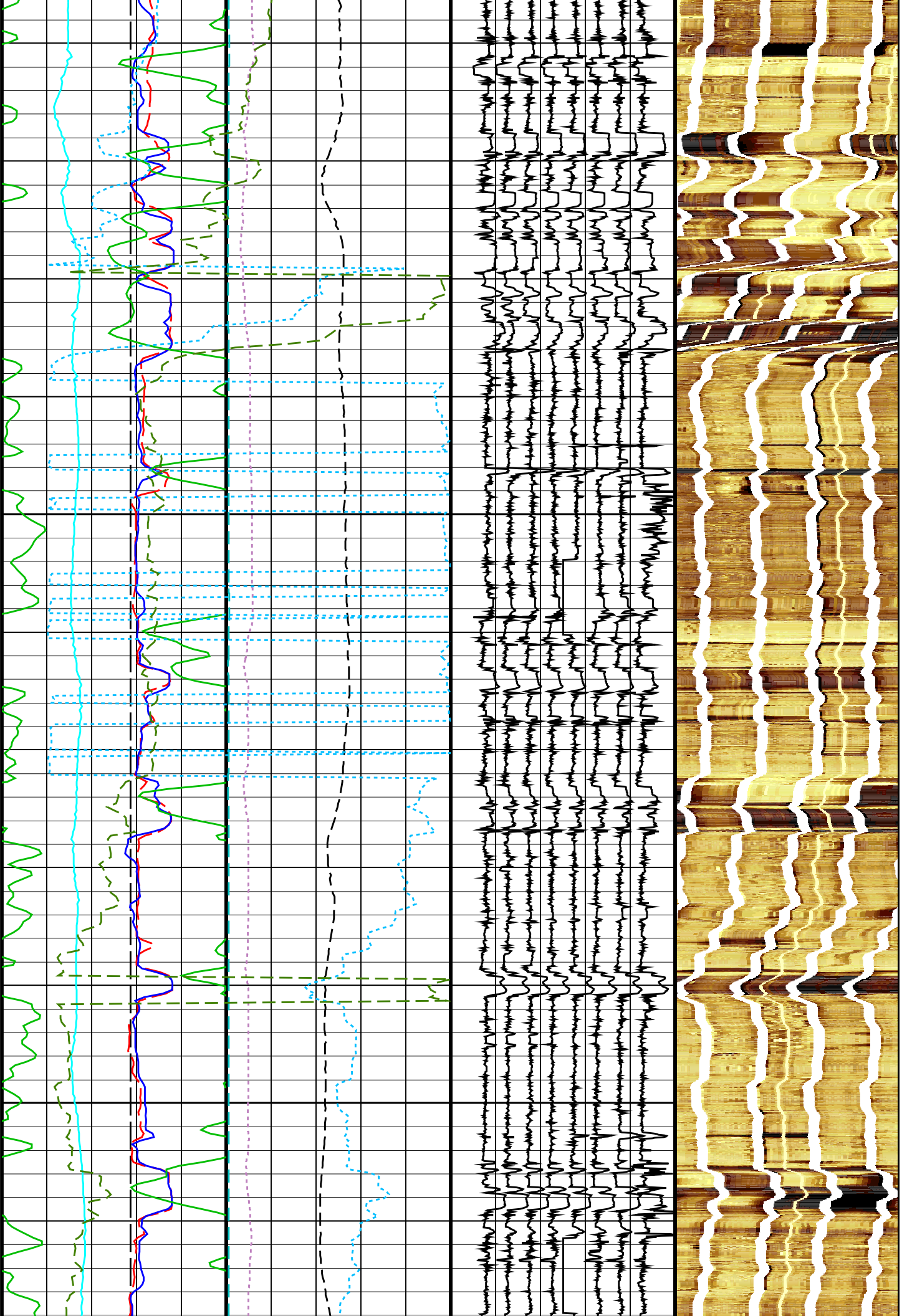
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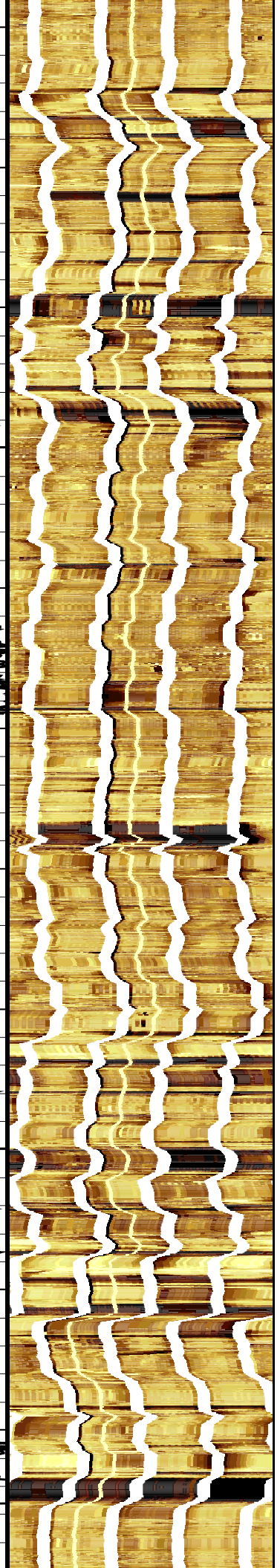
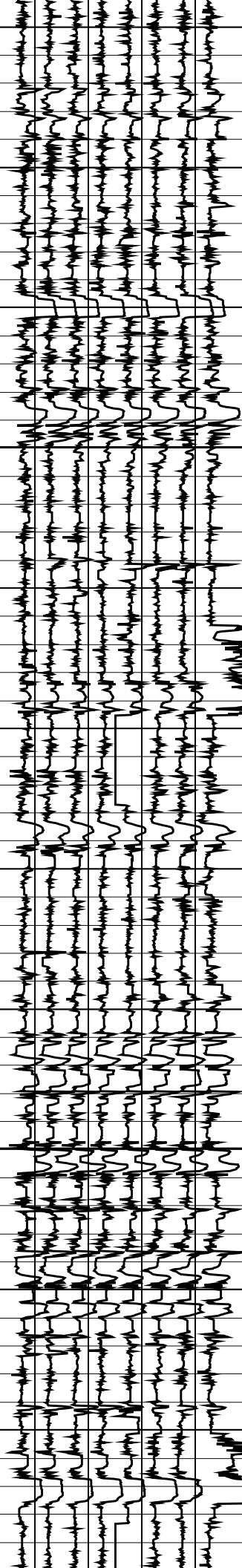
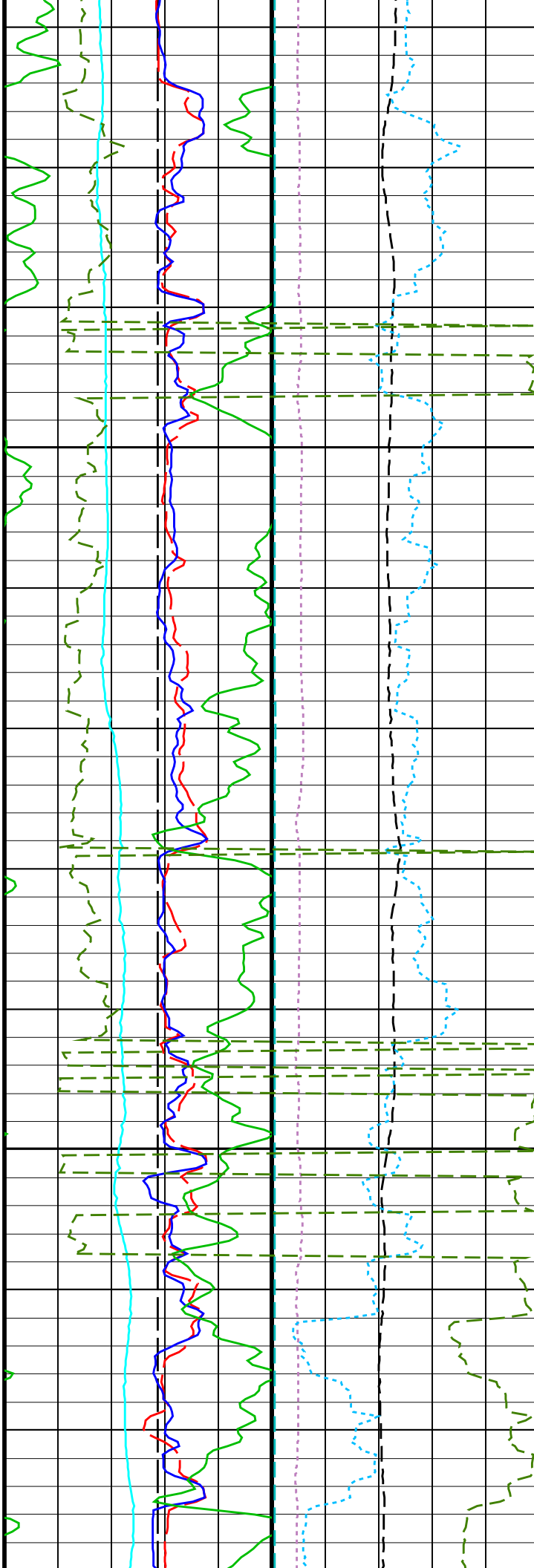
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2150



2175

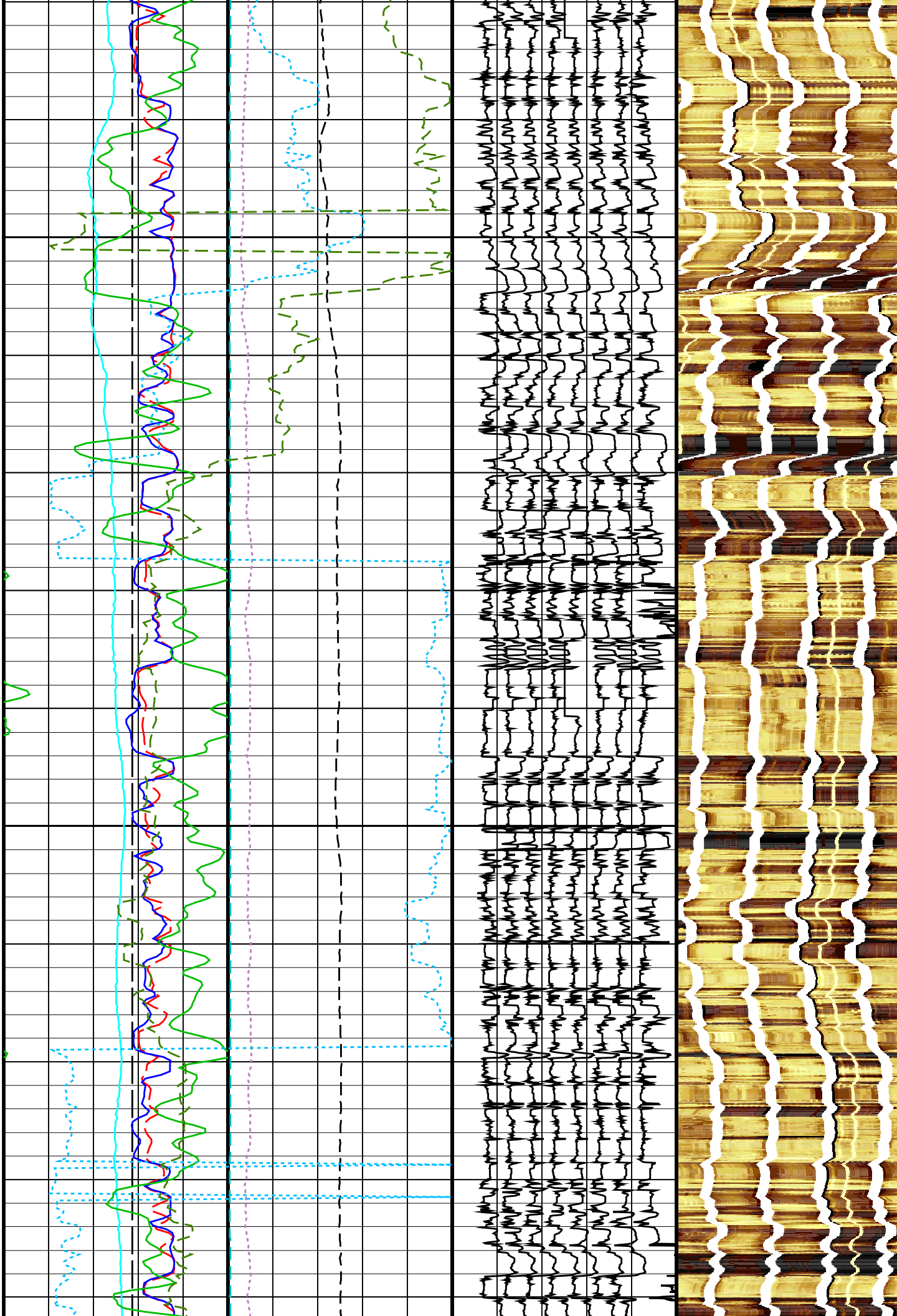
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2225

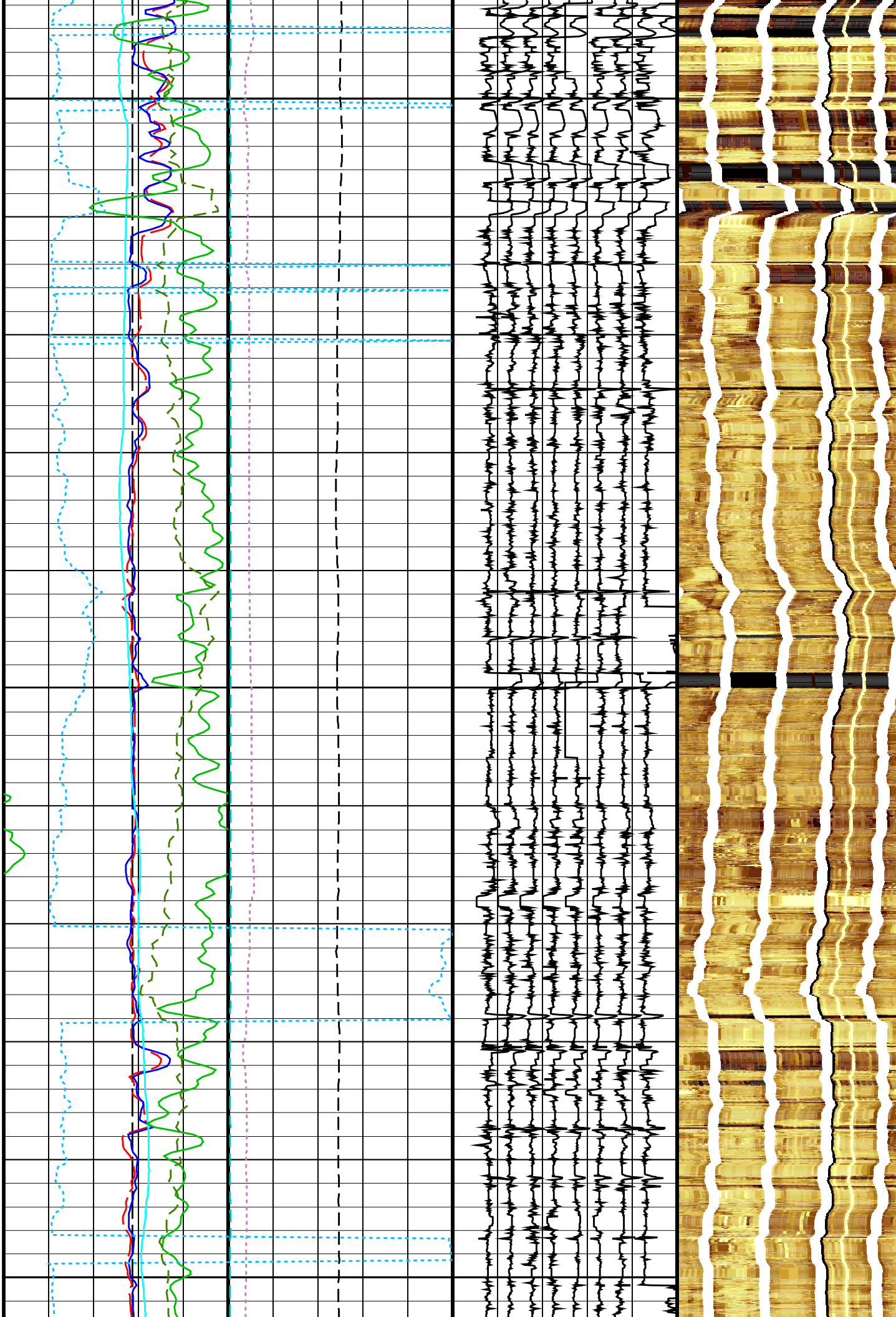
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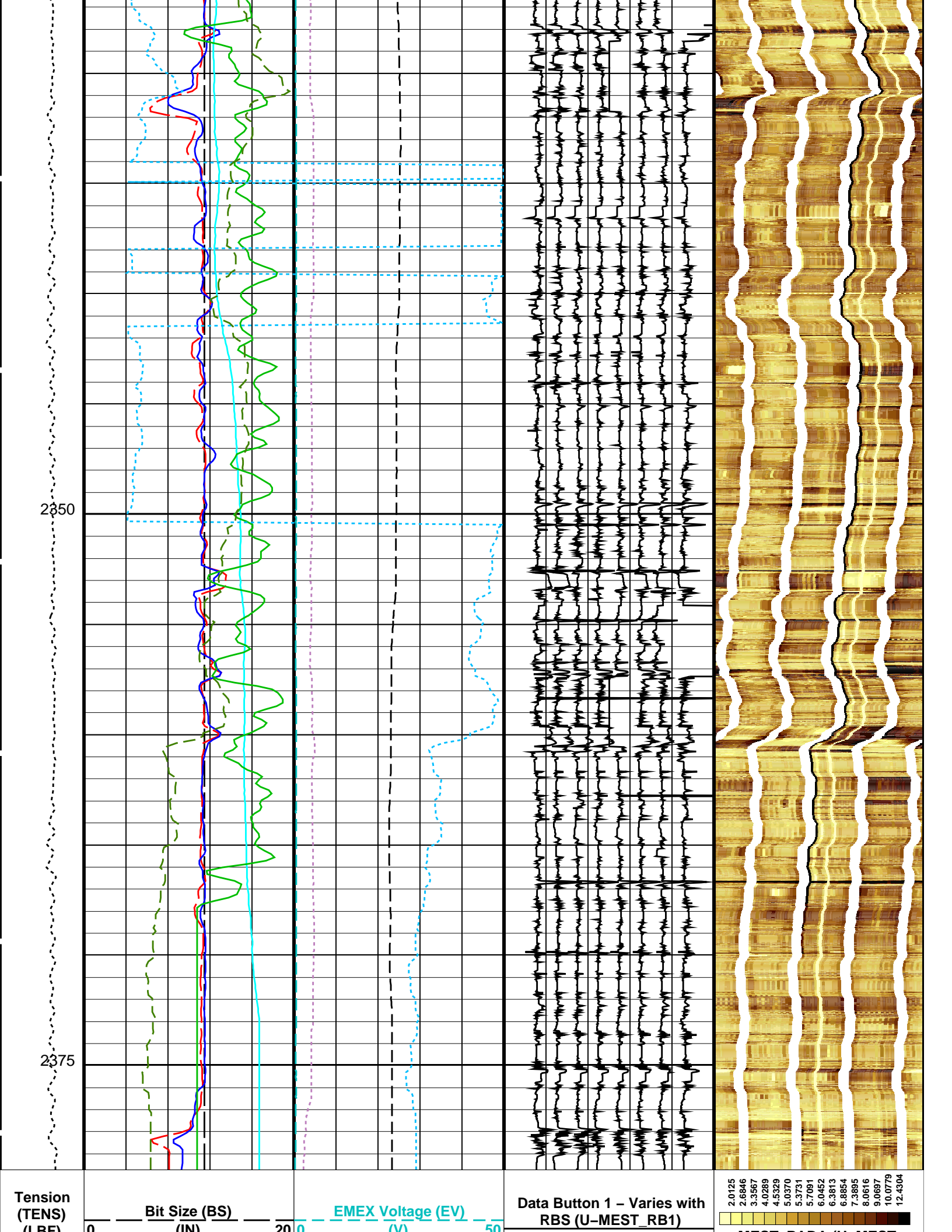
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2300

2325









Output DLIS Files				
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## MAXIS Field Log

## Output DLIS Files

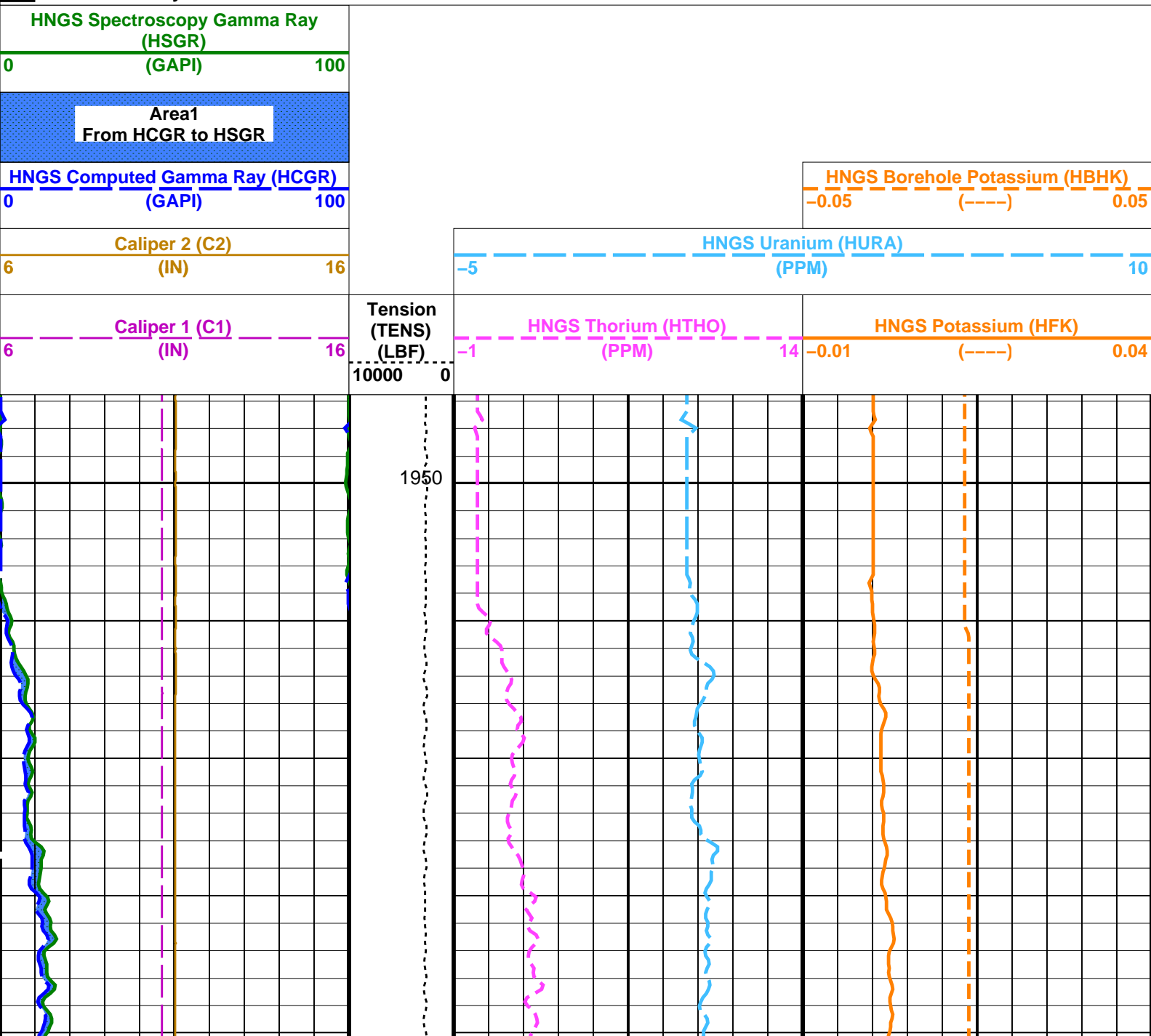
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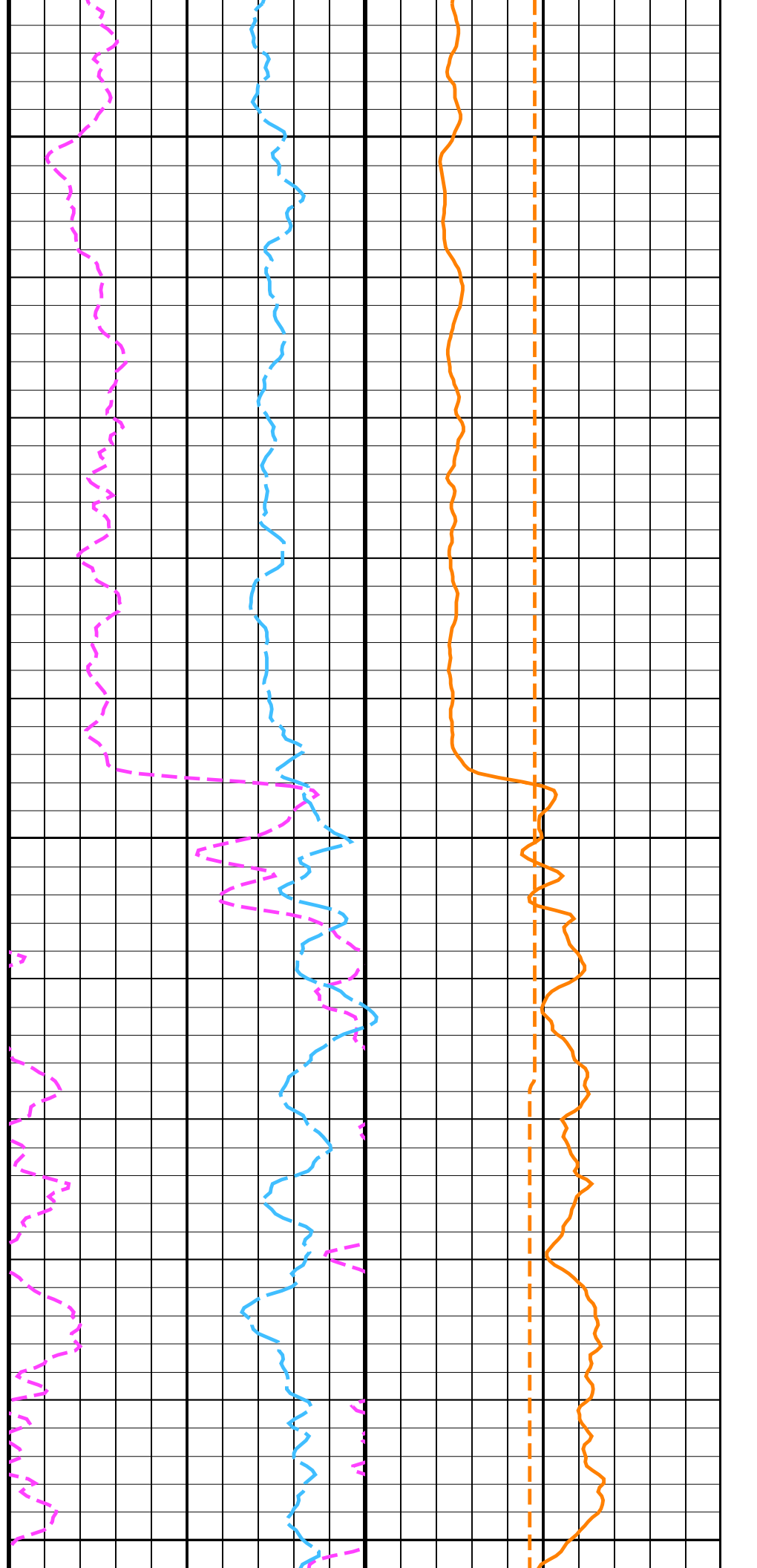
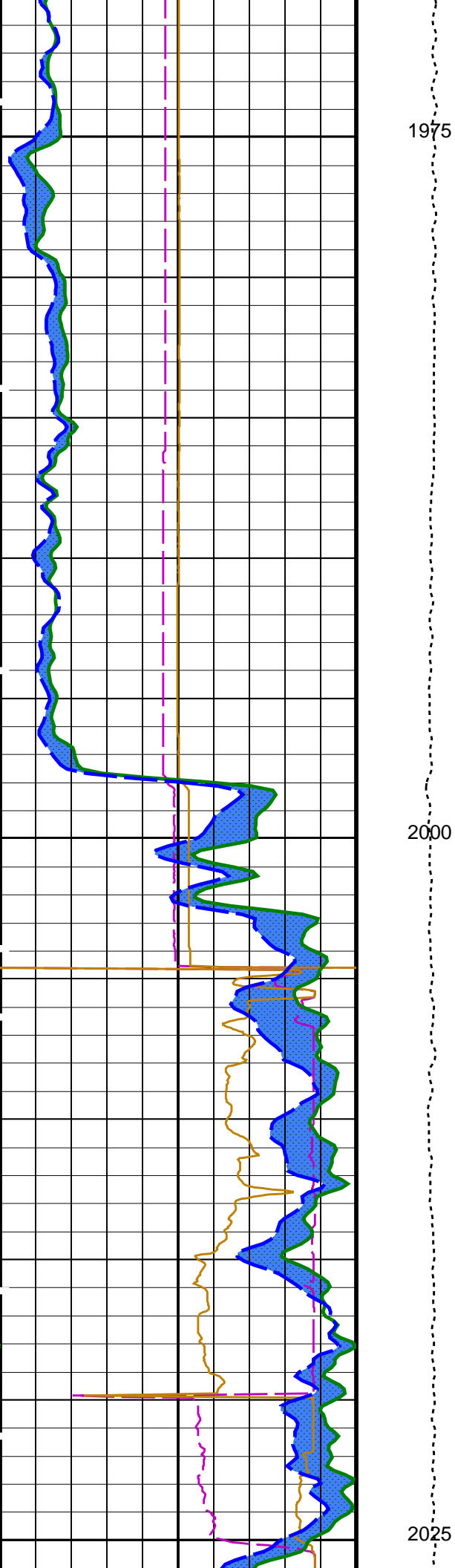
## OP System Version: 19C0-187

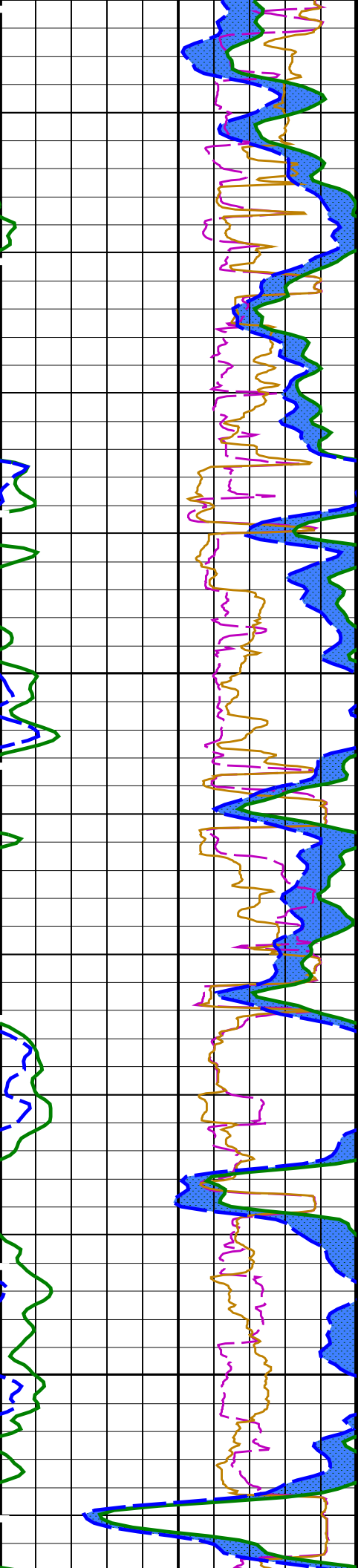
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HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	19C0-187		

## PIP SUMMARY

Time Mark Every 60 S

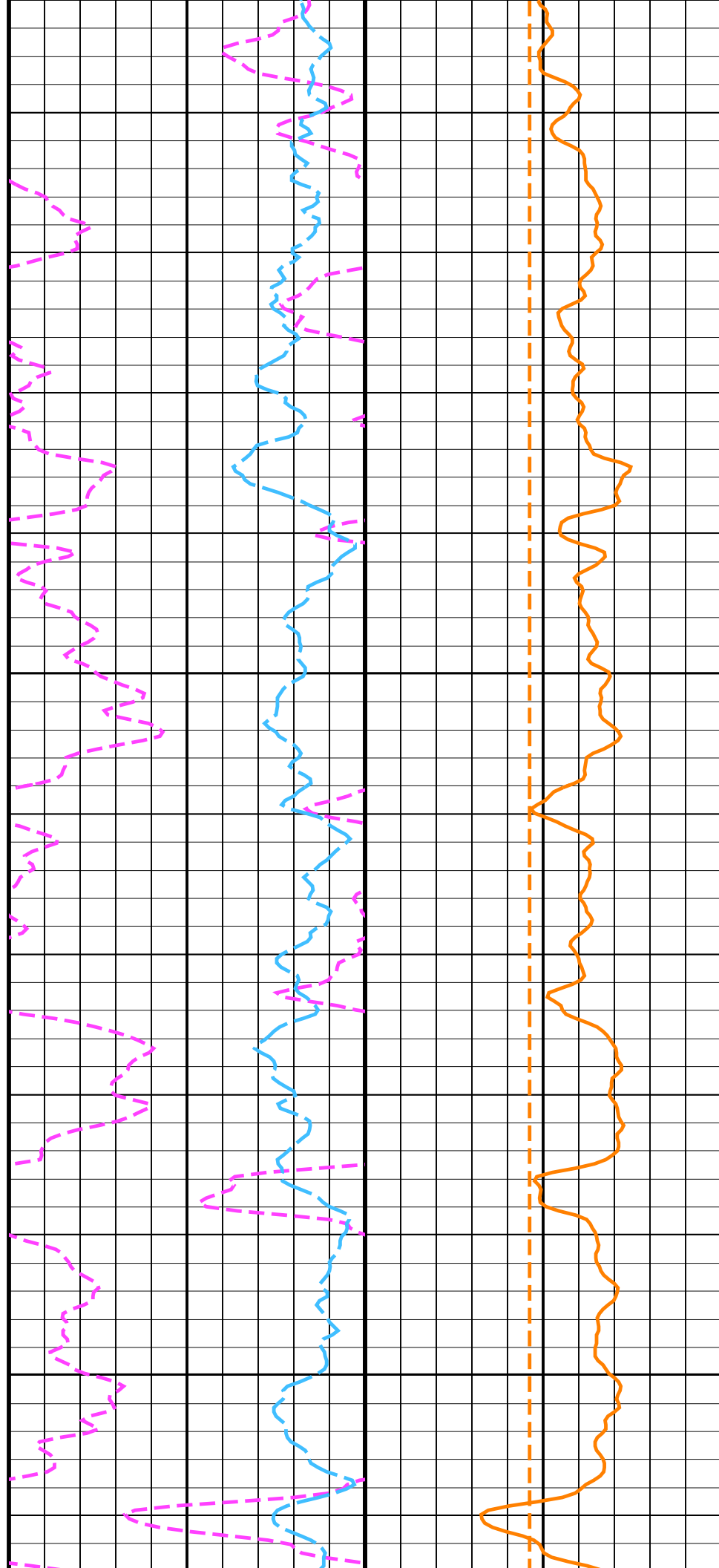


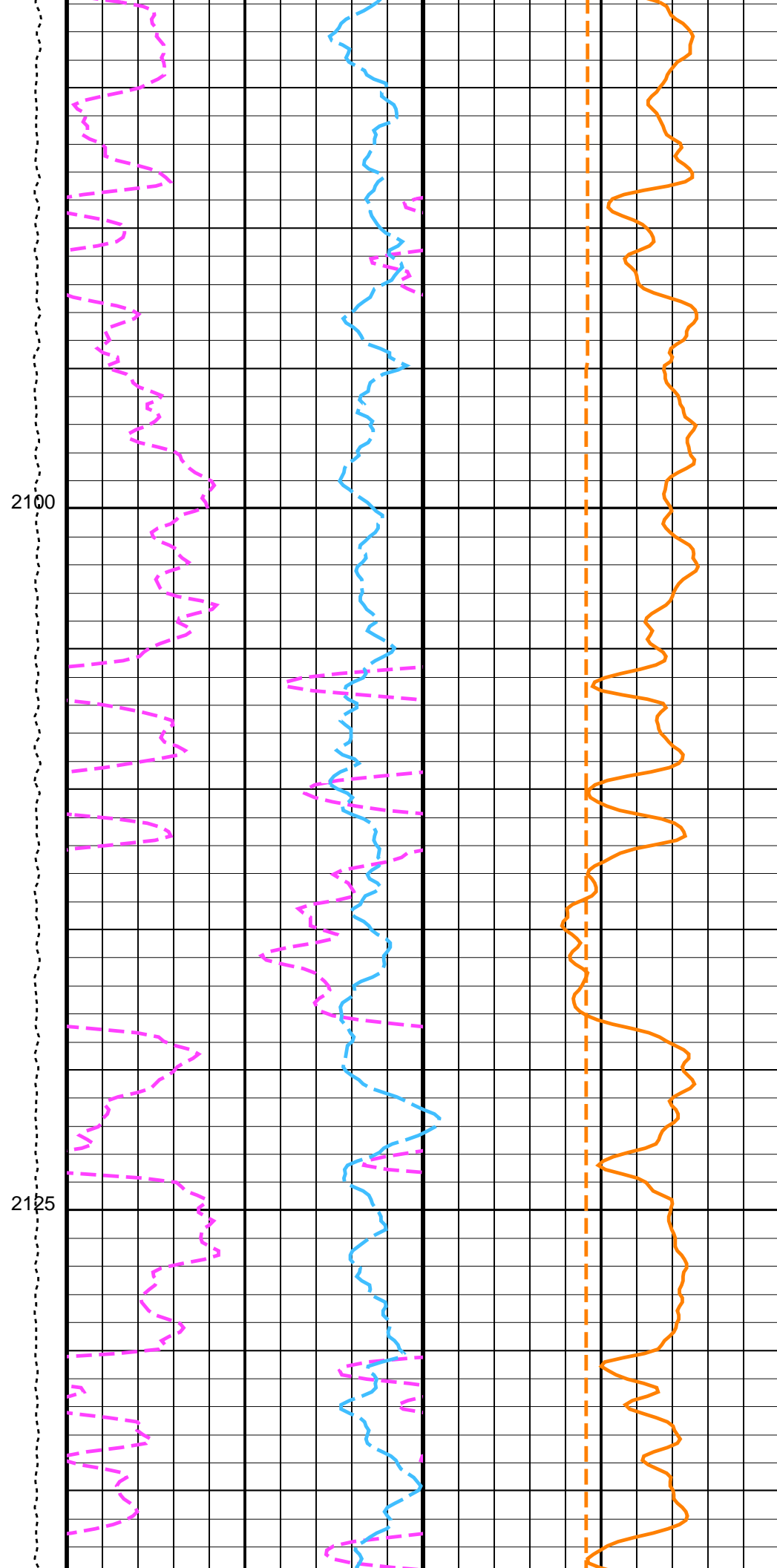
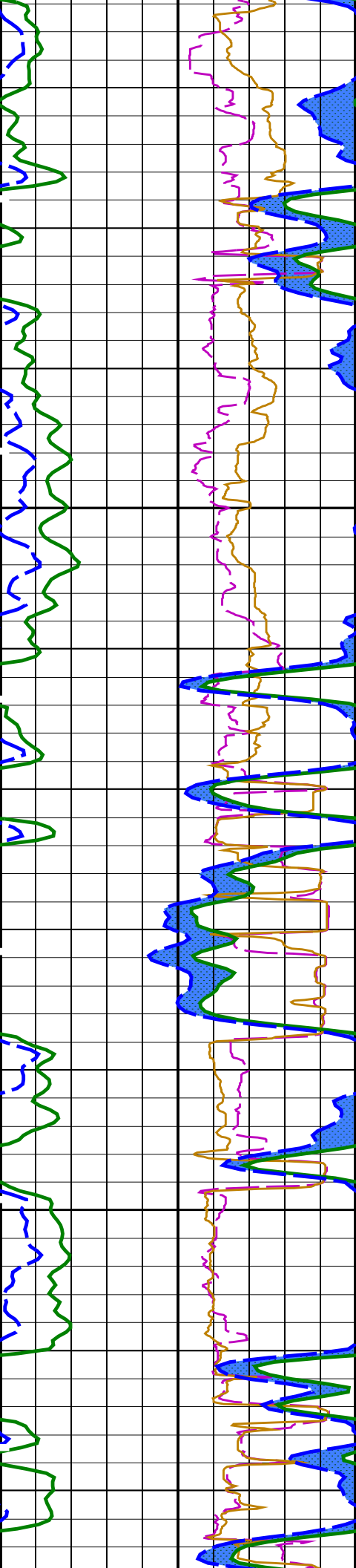


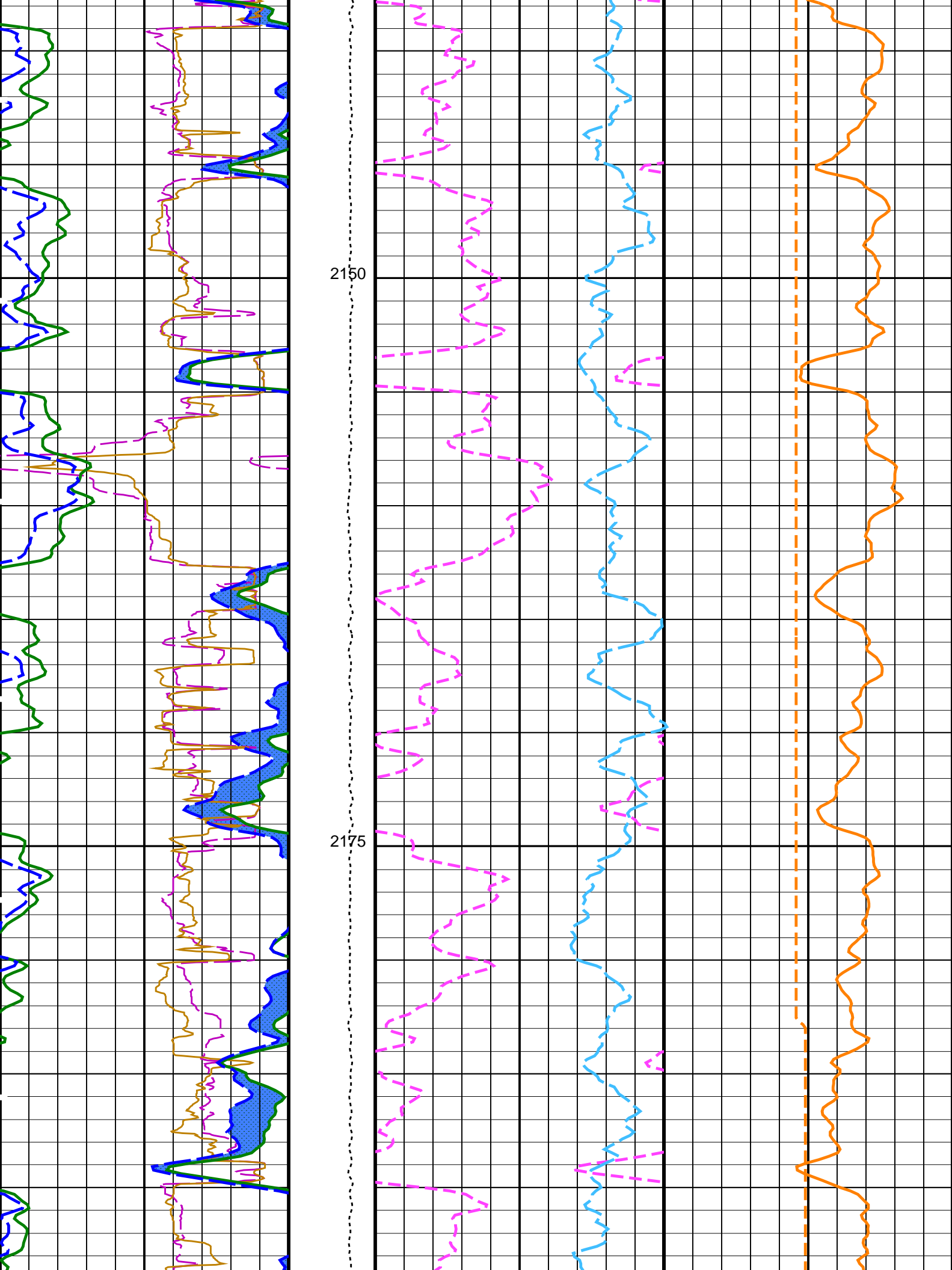


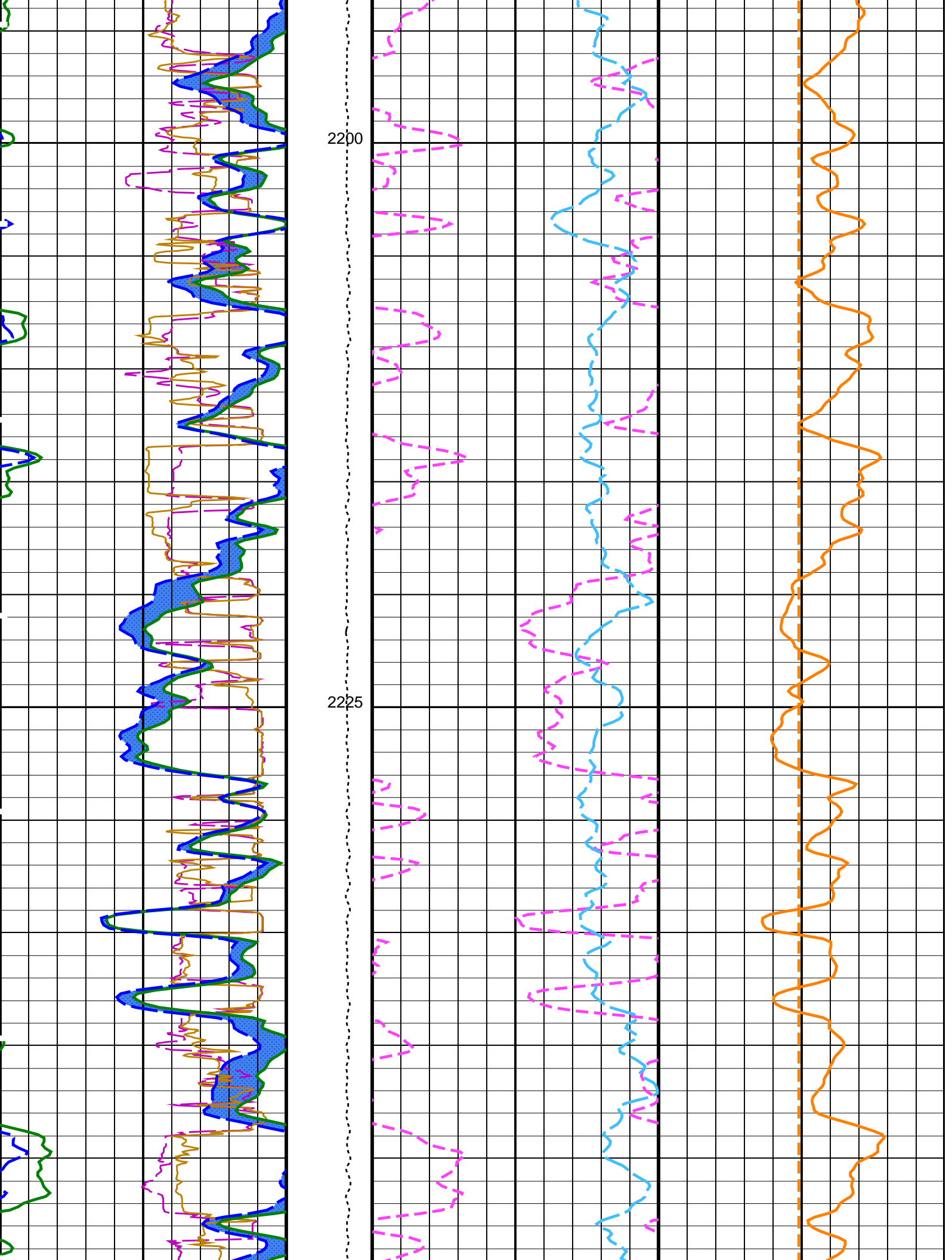
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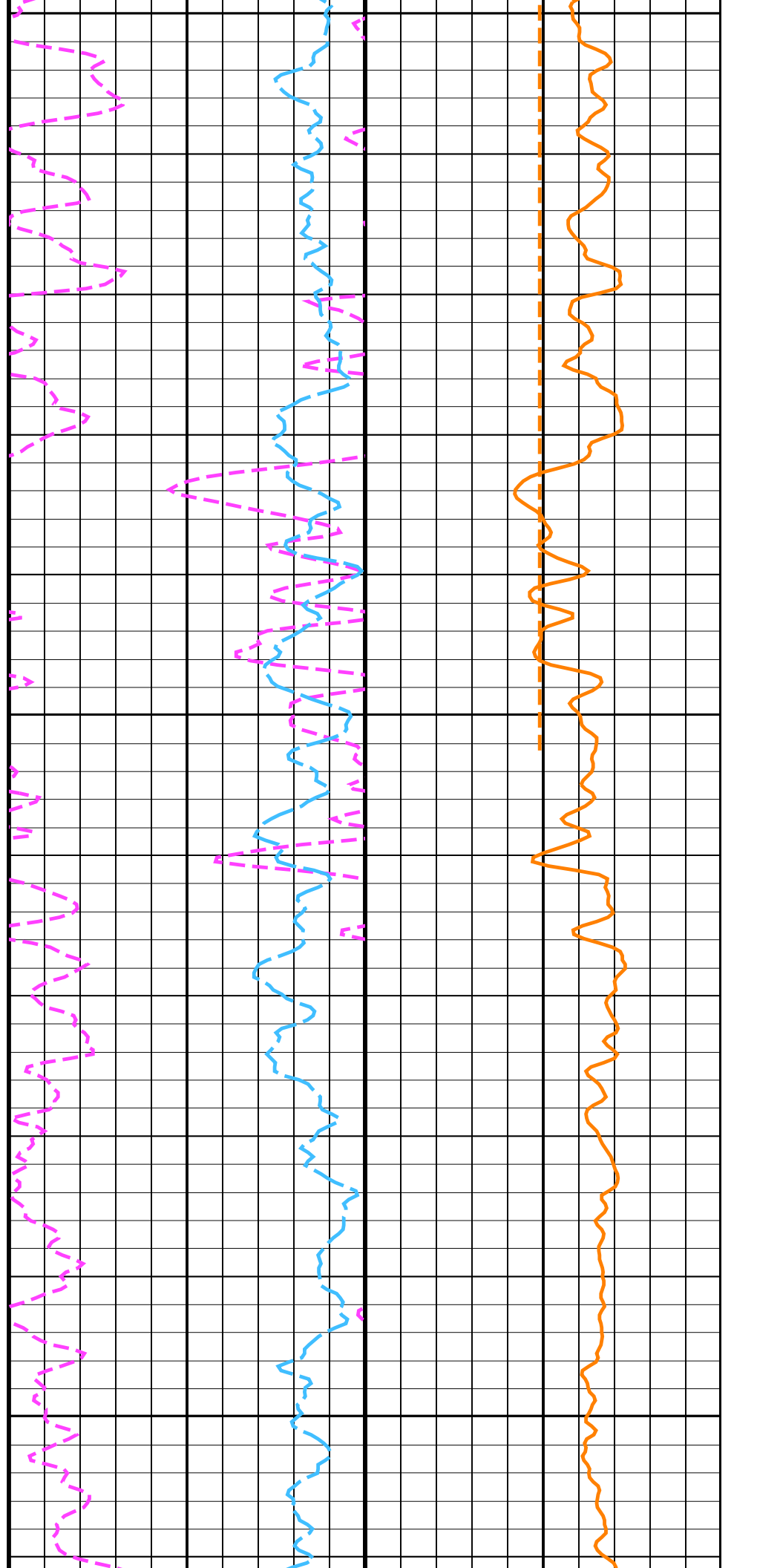
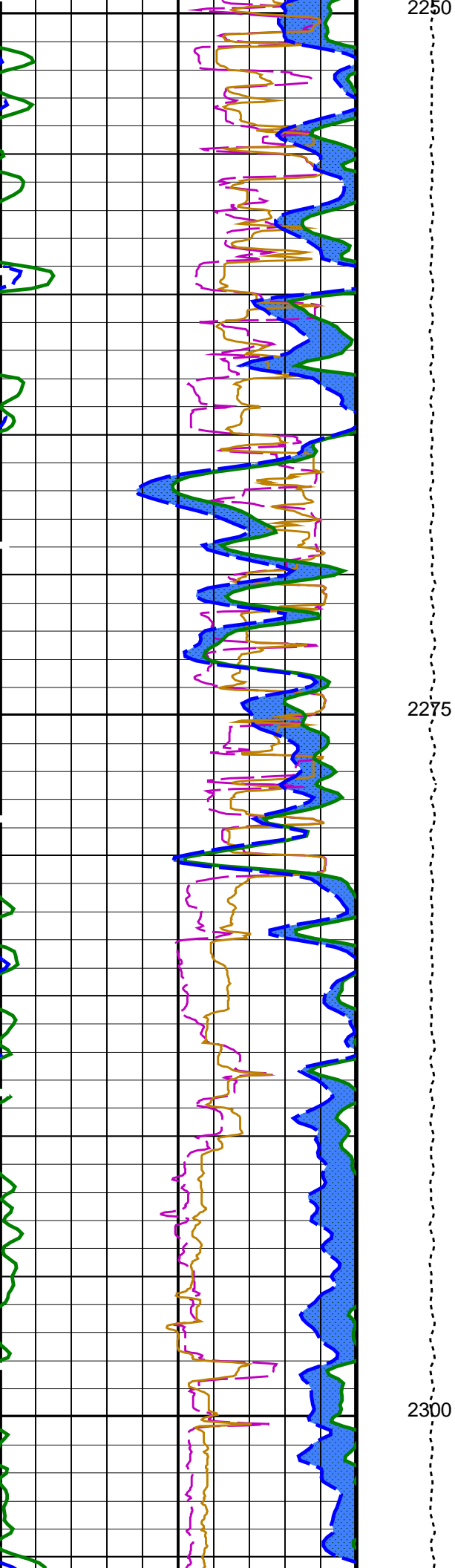
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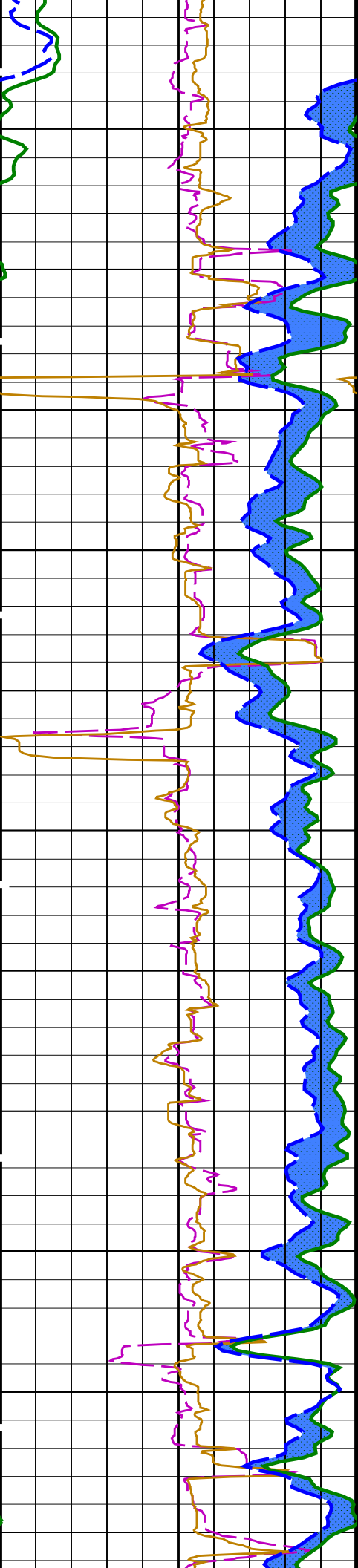






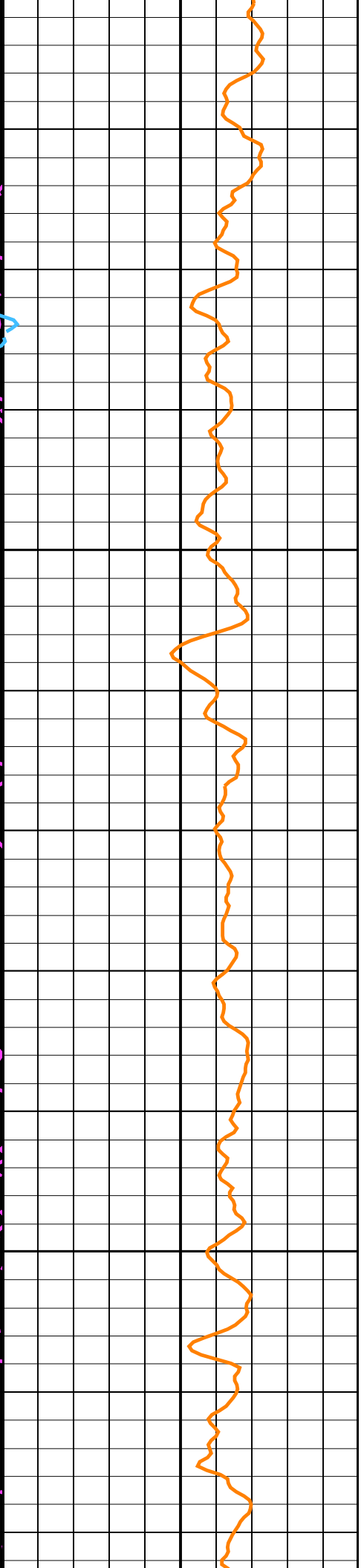
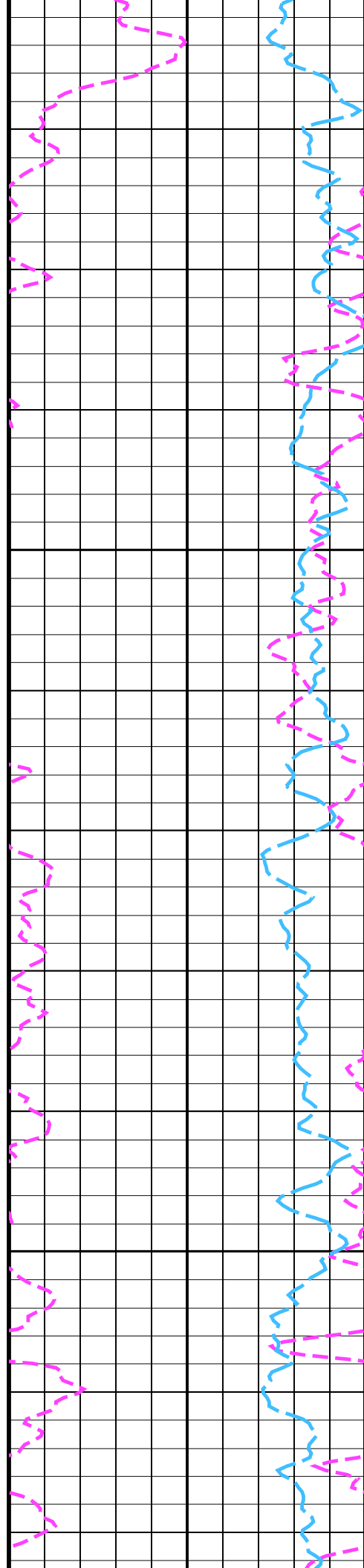


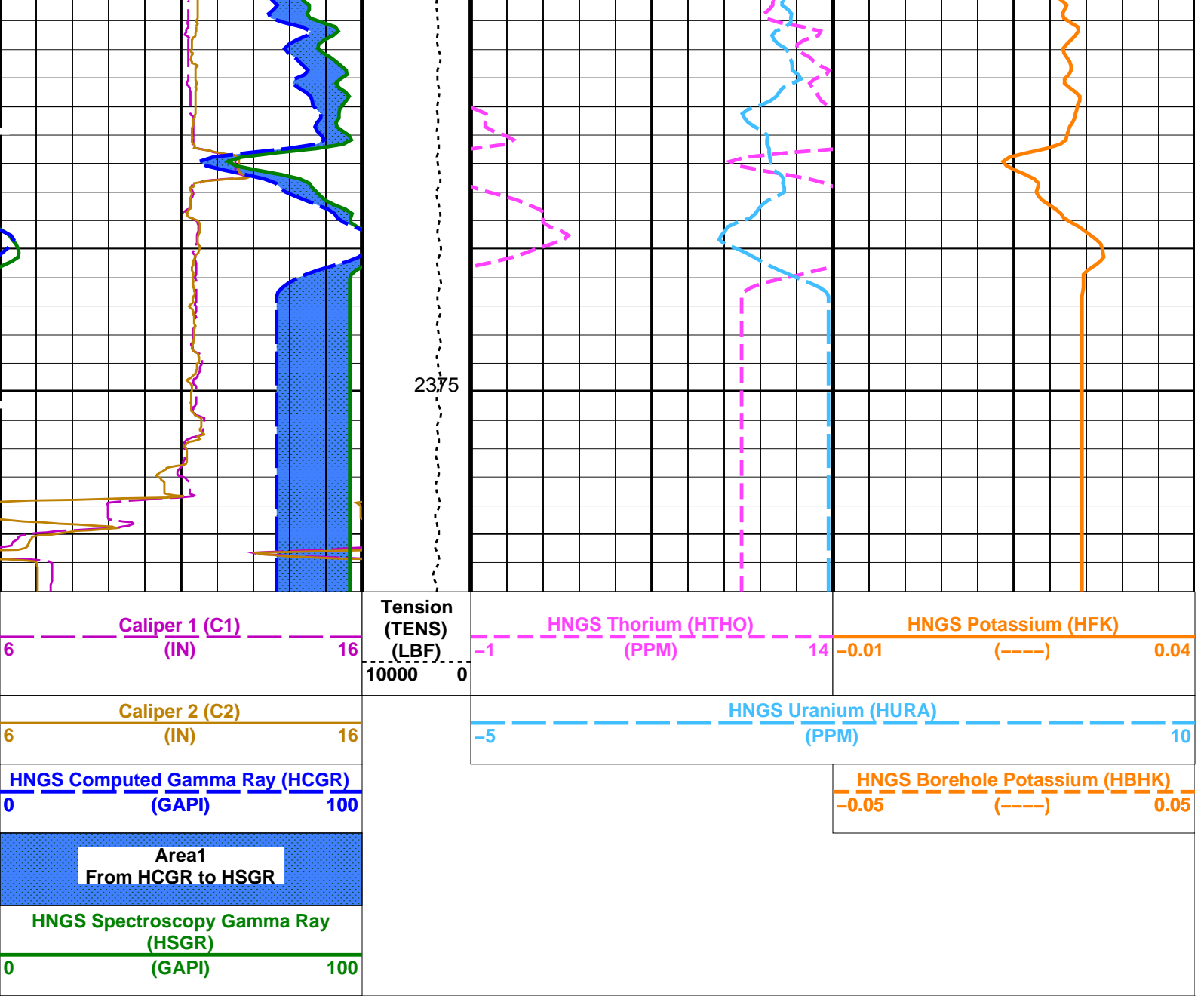




2325

2350





### 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	-0.00275095	
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	0.981954	

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\_016LUP

FN:13

PRODUCER

09-Sep-2023 09:23

Output DLIS Files

DEFAULT

FMS\_NGS\_016LUP

FN:13

PRODUCER

09-Sep-2023 09:23

2382.0 M

1946.7 M

OP System Version: 19C0-187

MEST-B

19C0-187

DTA-A

19C0-187

HNGC-B

19C0-187

HNGS-BA

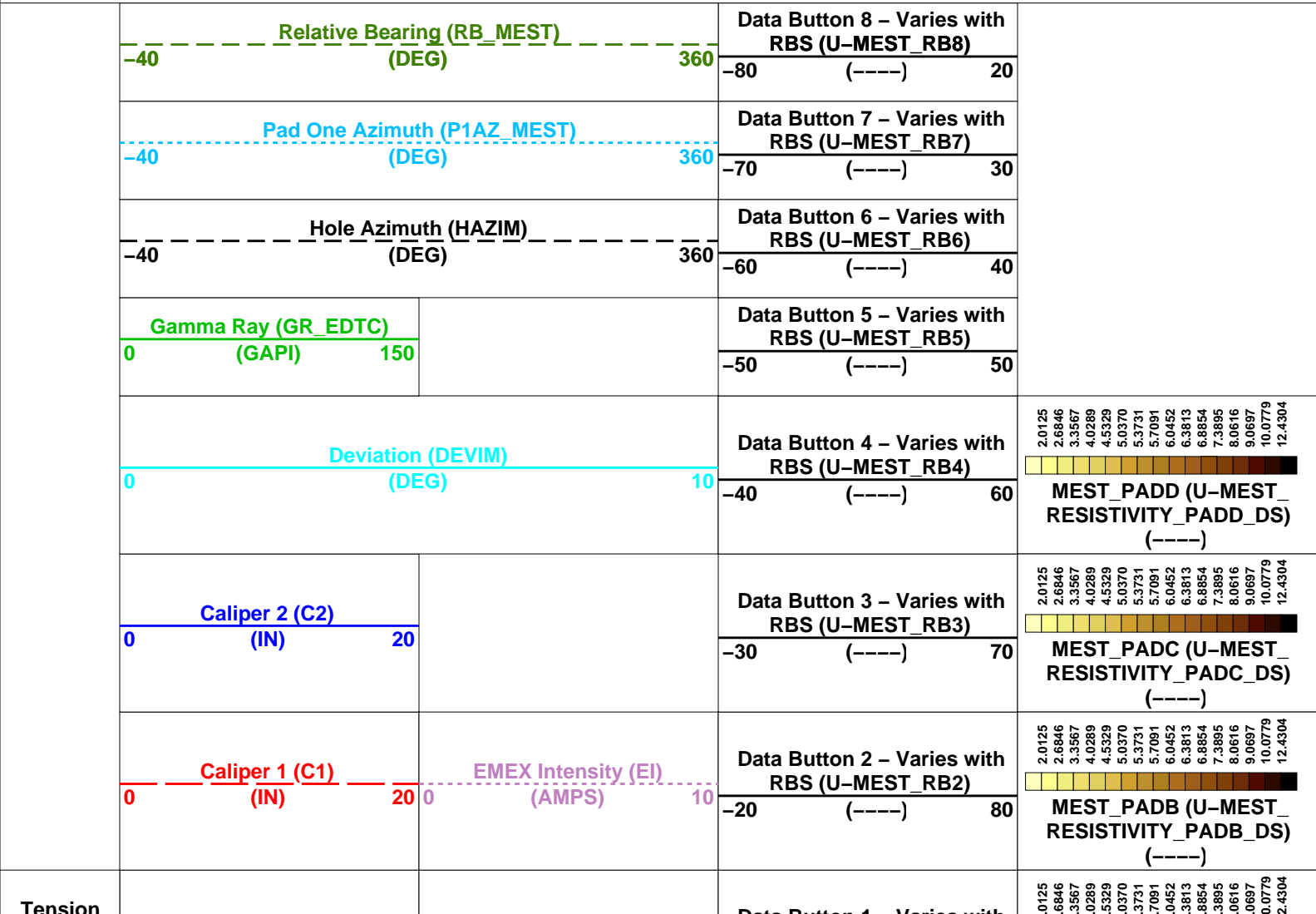
19C0-187

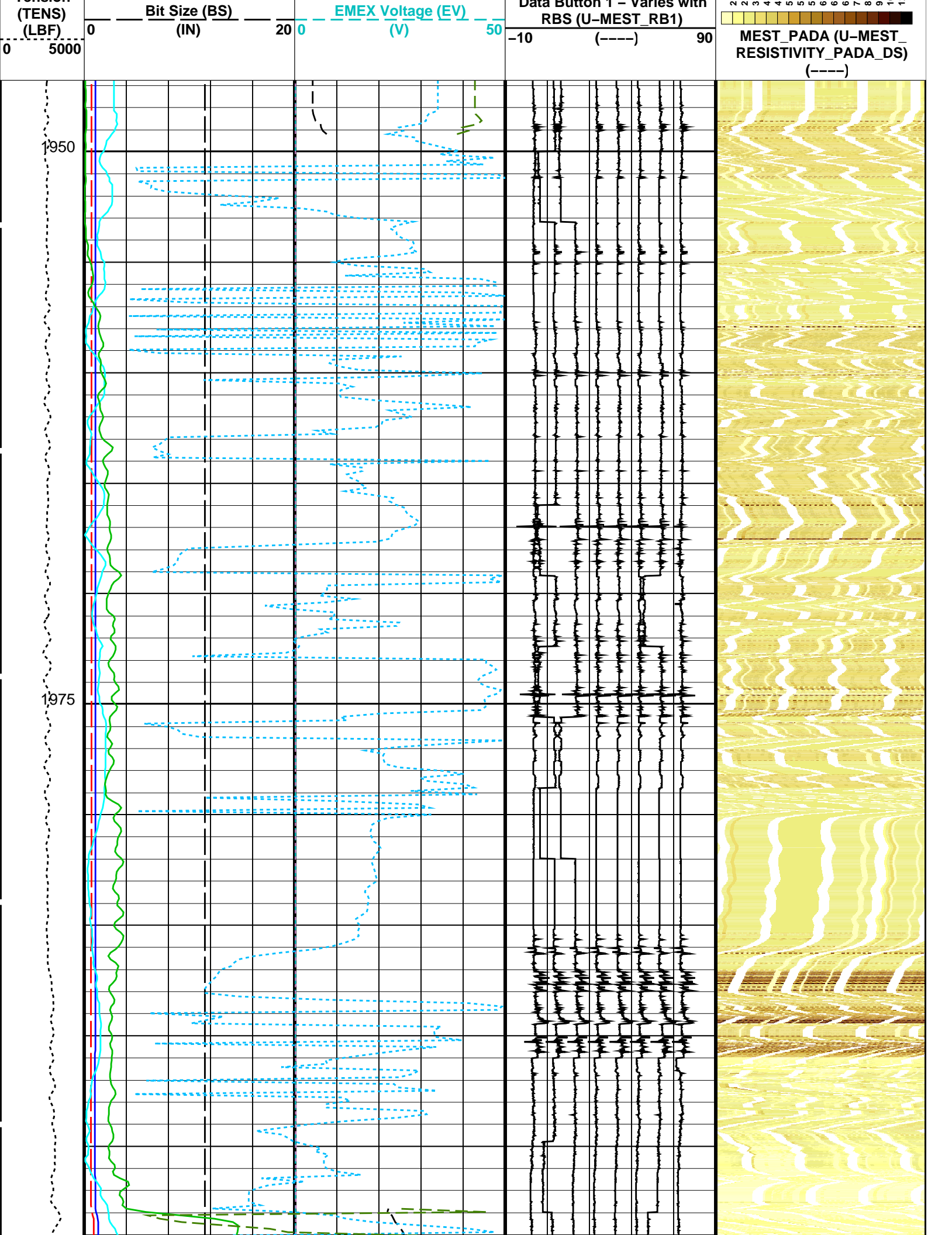
EDTC-B

19C0-187

PIP SUMMARY

Time Mark Every 60 S

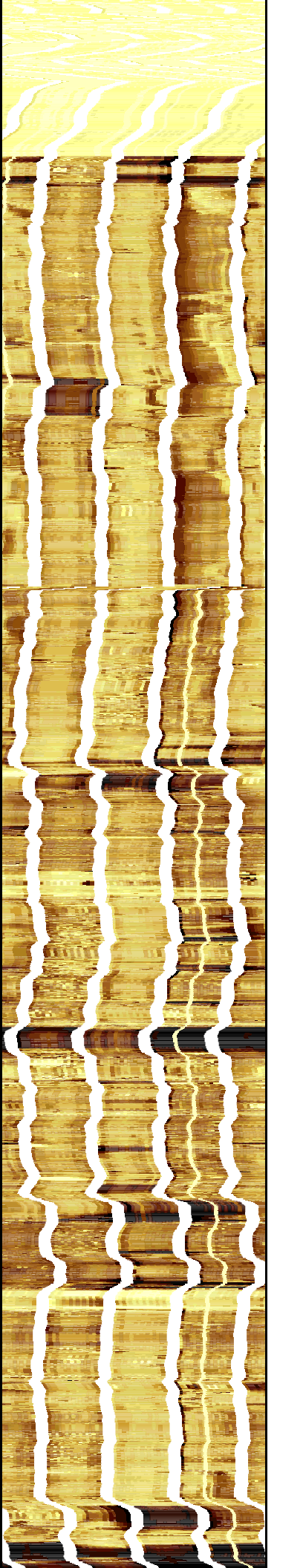
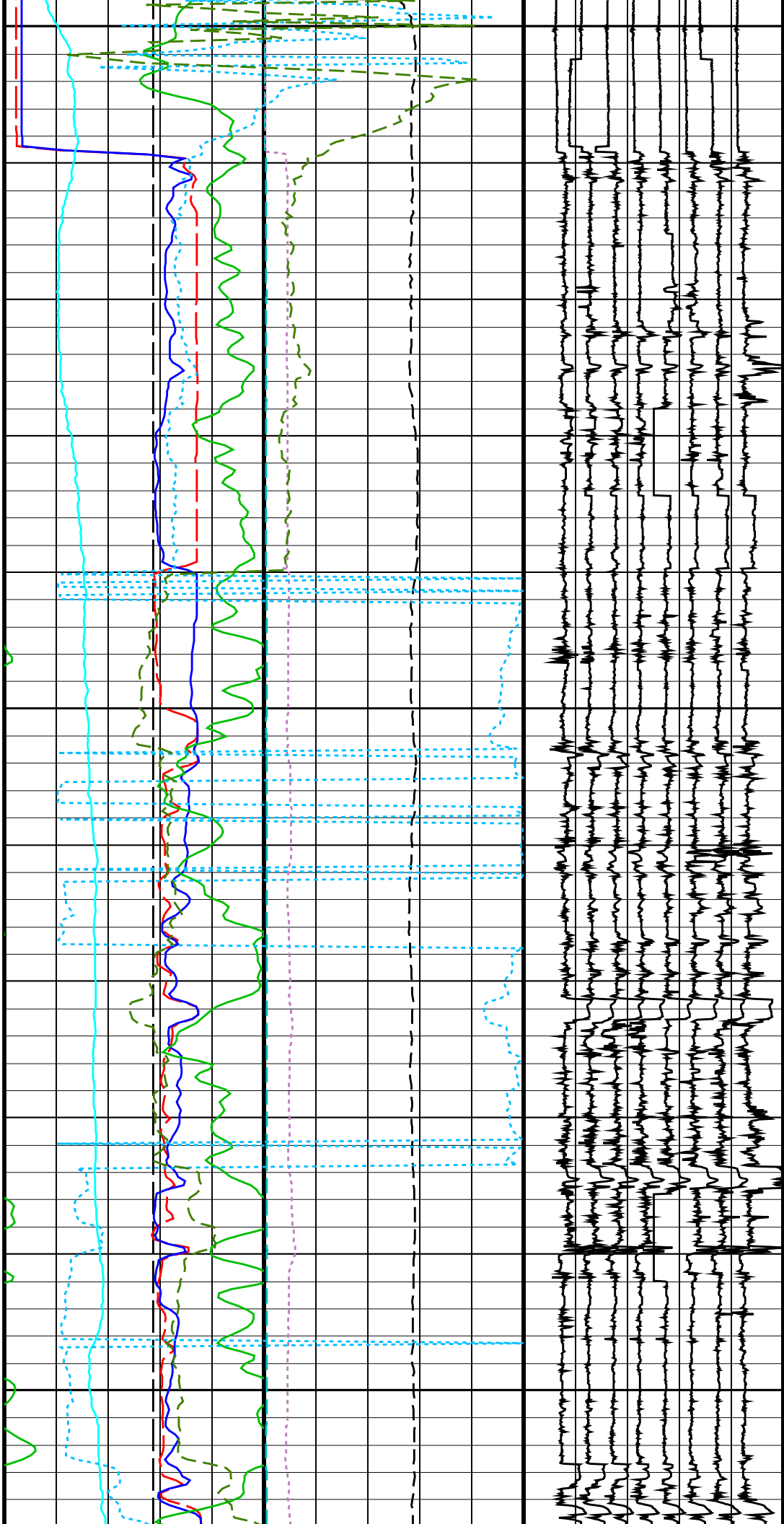




2000

2025

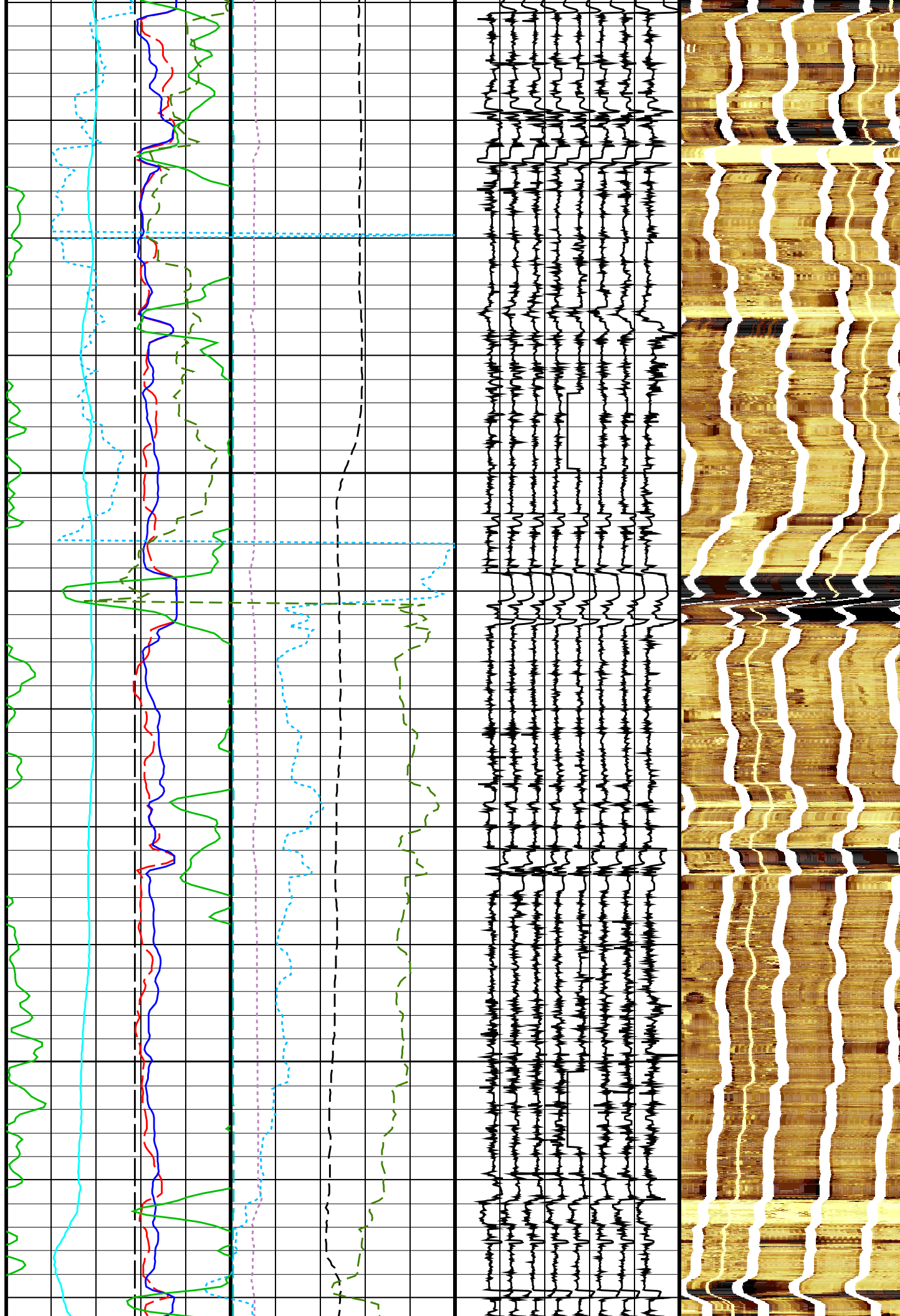
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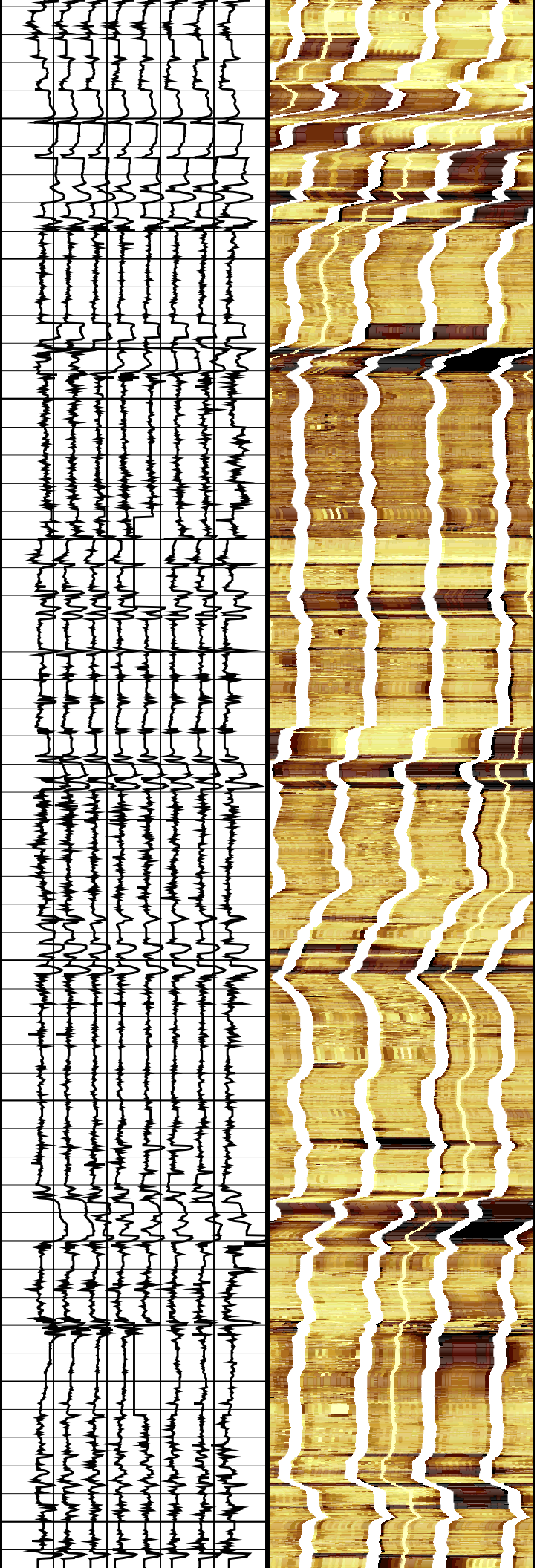
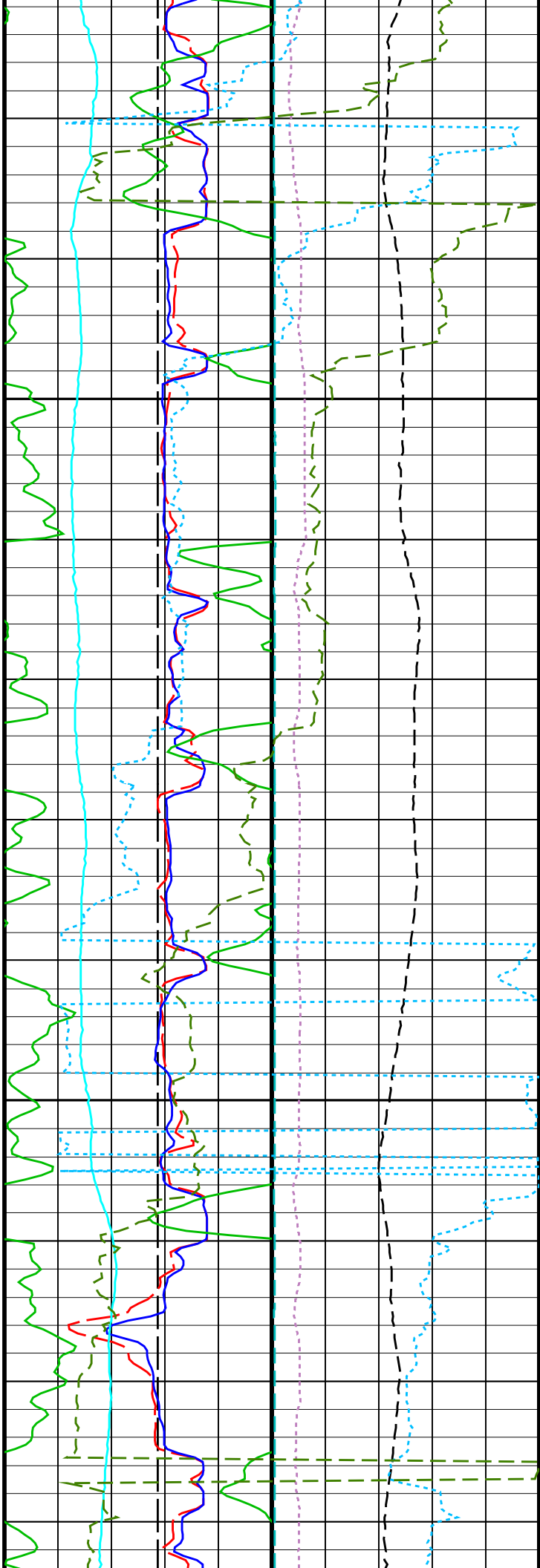
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2100



2125

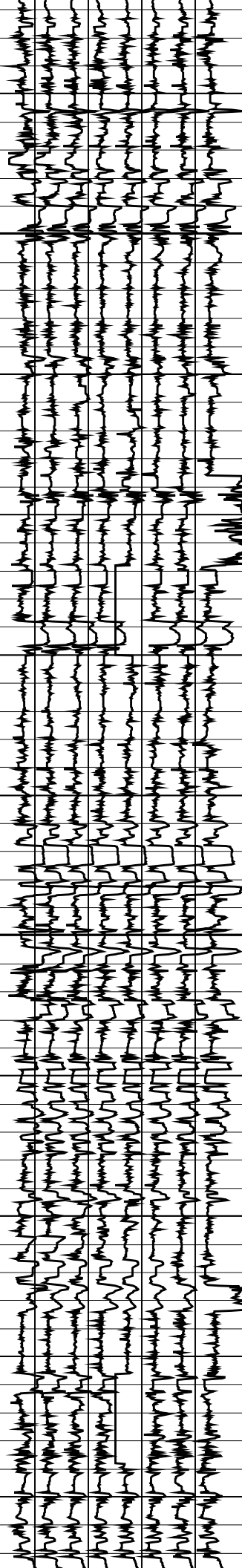
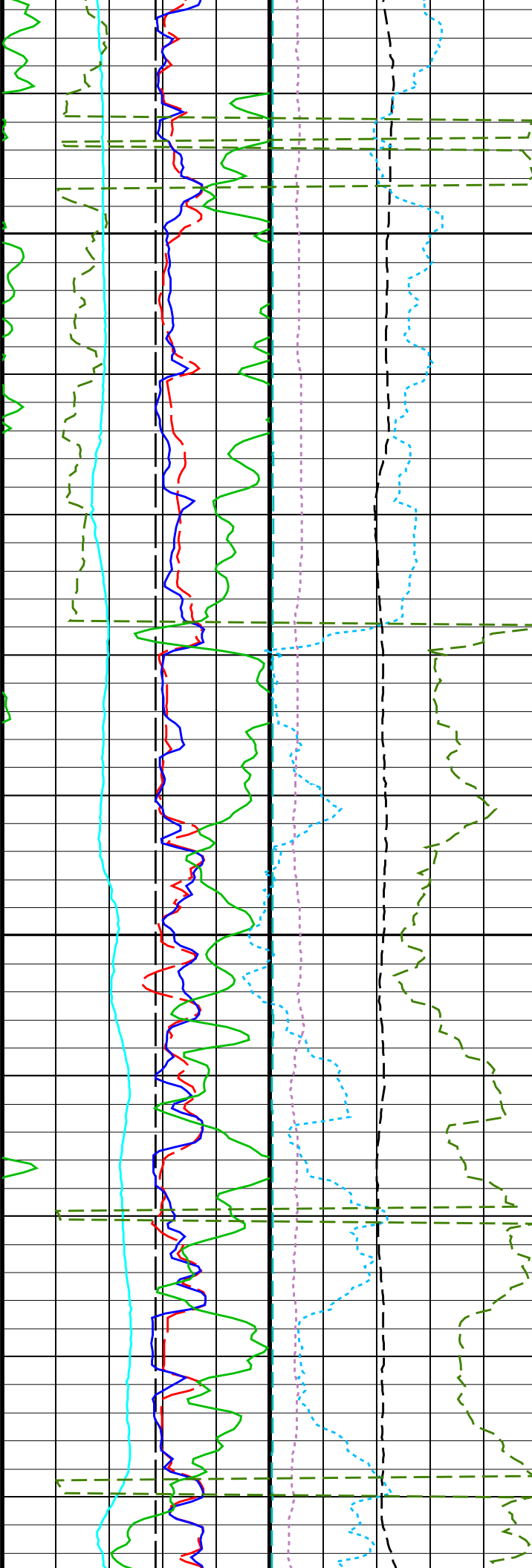
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2175

2200

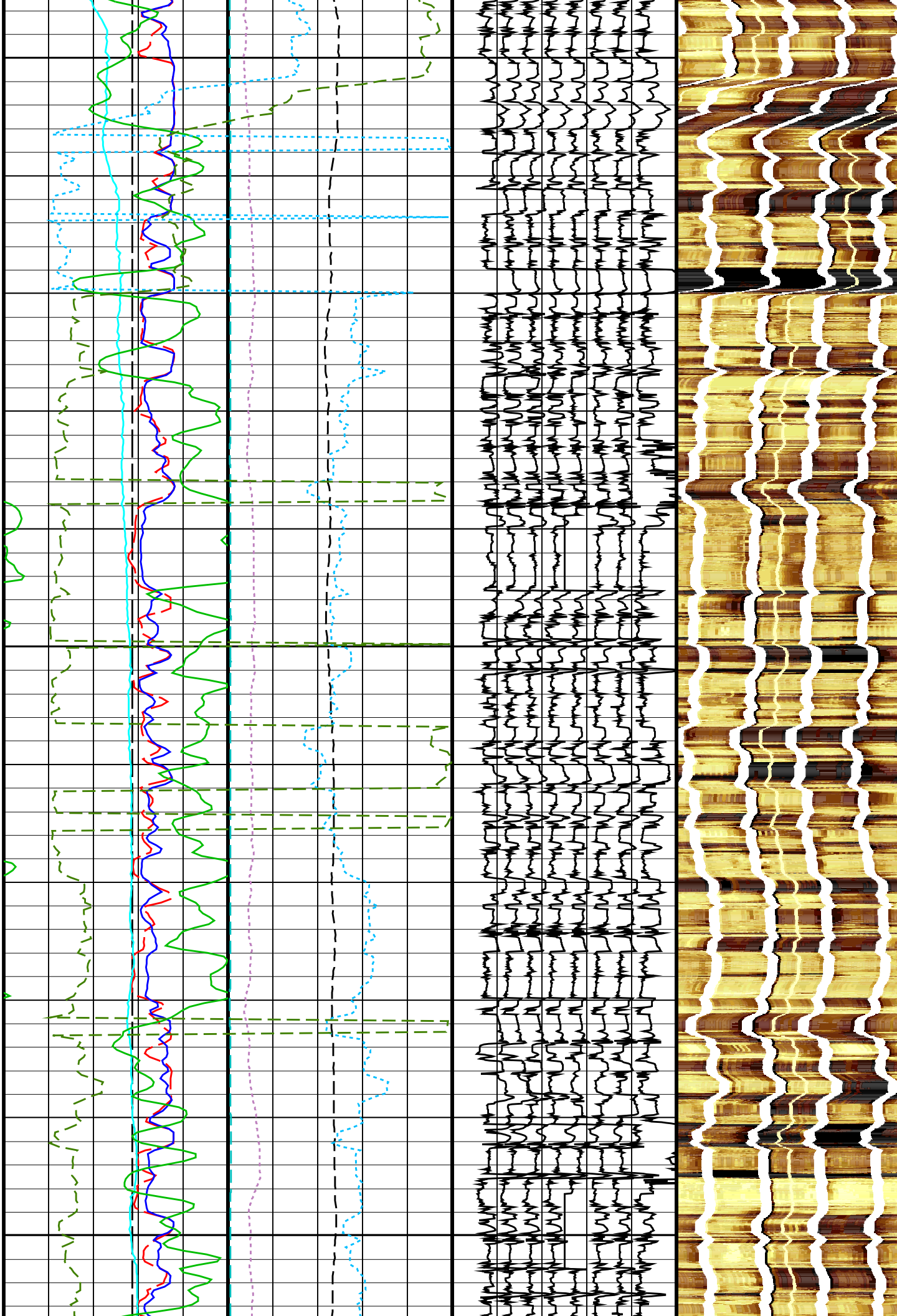




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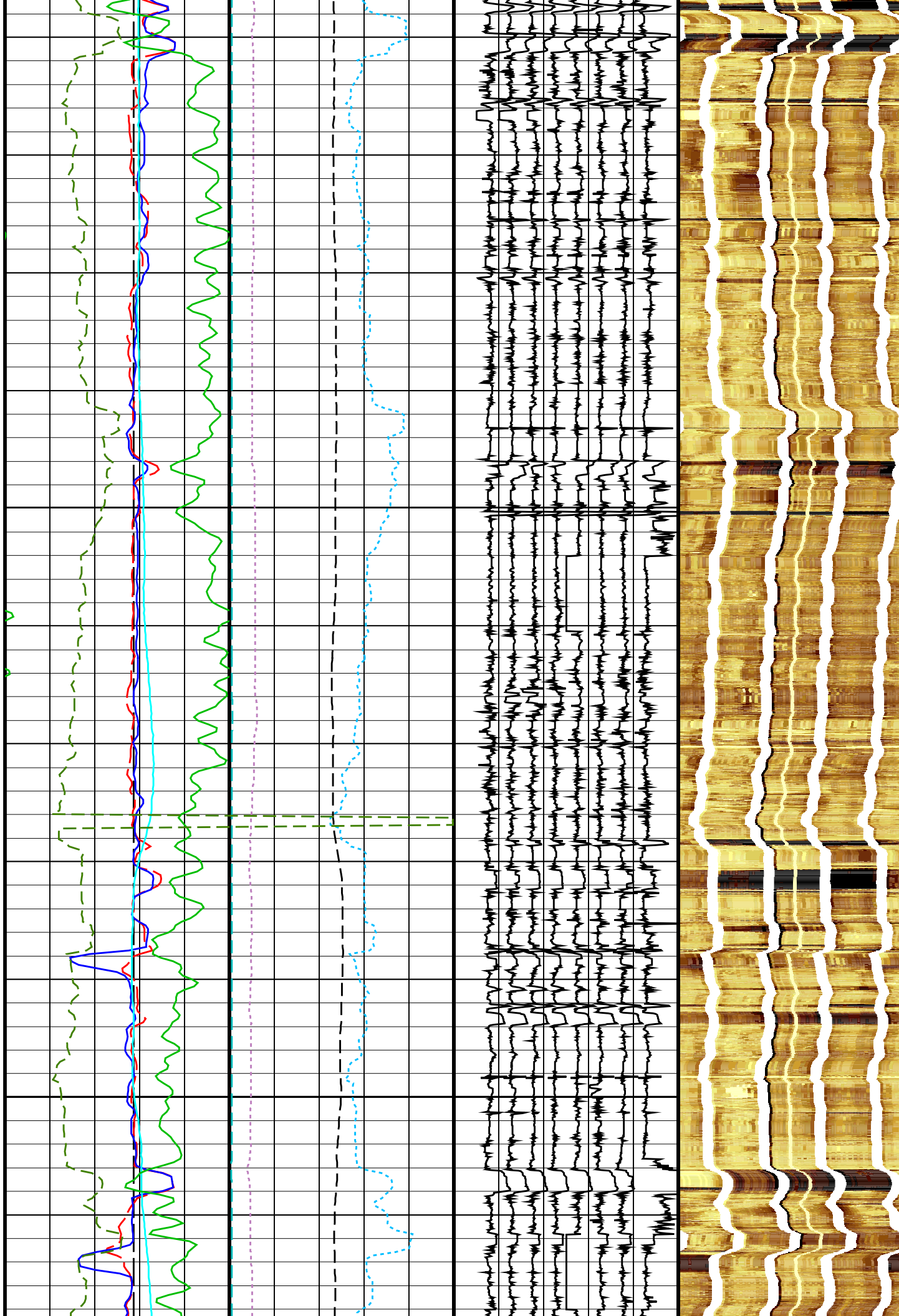
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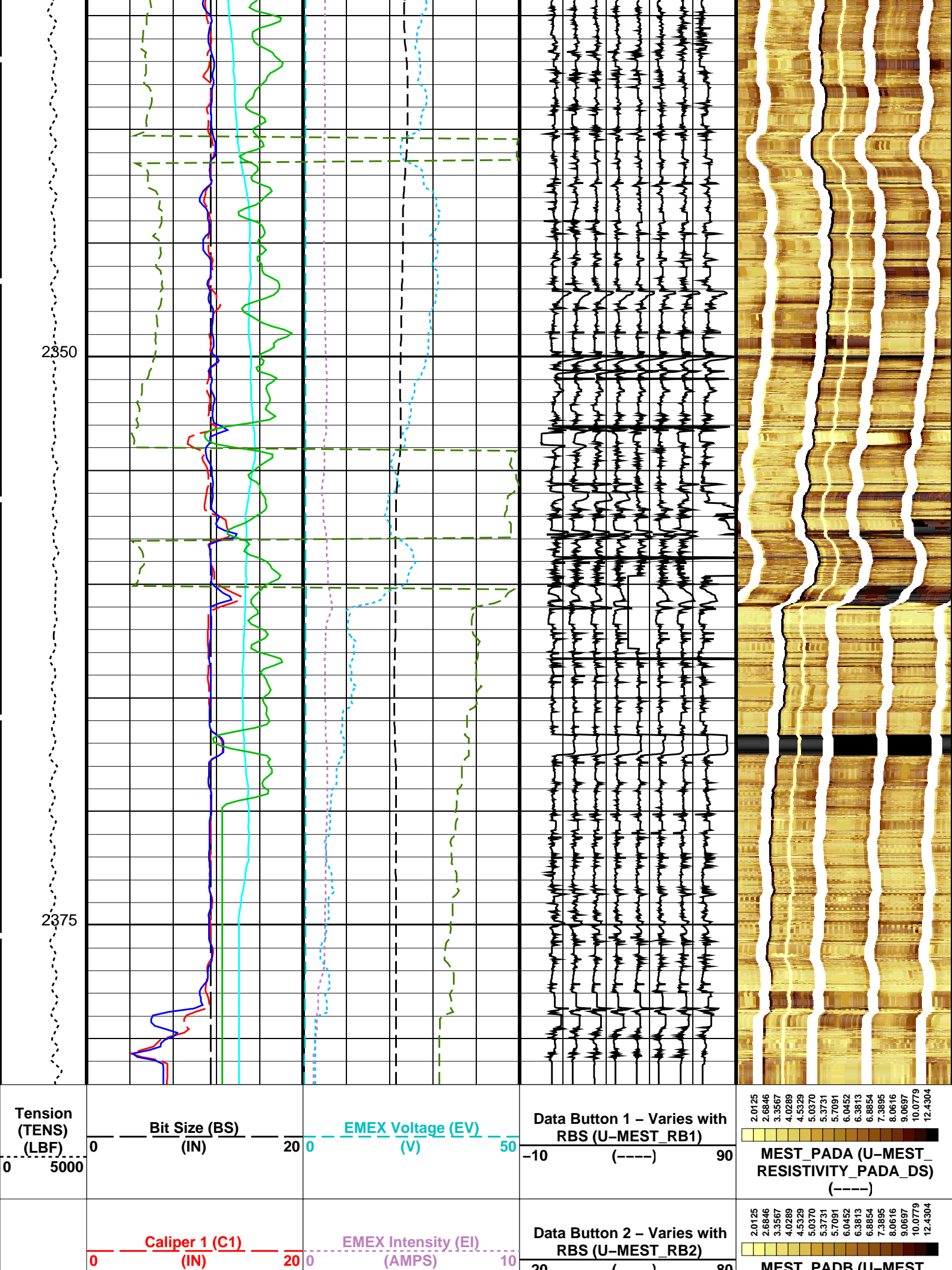


2300

2325







		-20 (----) 80	MEST_PADB (U-MEST_RESISTIVITY_PADB_DS) (----)
Caliper 2 (C2) 0 (IN) 20		Data Button 3 – Varies with RBS (U-MEST_RB3) -30 (----) 70	<div> <div>2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304</div> <div>MEST_PADC (U-MEST_RESISTIVITY_PADC_DS) (----)</div> </div>
Deviation (DEVIM) 0 (DEG) 10		Data Button 4 – Varies with RBS (U-MEST_RB4) -40 (----) 60	<div> <div>2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304</div> <div>MEST_PADD (U-MEST_RESISTIVITY_PADD_DS) (----)</div> </div>
Gamma Ray (GR_EDTC) 0 (GAPI) 150		Data Button 5 – Varies with RBS (U-MEST_RB5) -50 (----) 50	
Hole Azimuth (HAZIM) -40 (DEG) 360		Data Button 6 – Varies with RBS (U-MEST_RB6) -60 (----) 40	
Pad One Azimuth (P1AZ_MEST) -40 (DEG) 360		Data Button 7 – Varies with RBS (U-MEST_RB7) -70 (----) 30	
Relative Bearing (RB_MEST) -40 (DEG) 360		Data Button 8 – Varies with RBS (U-MEST_RB8) -80 (----) 20	

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	-35.0426 DEG
MLM	MEST Logging Mode	SCAN1800
RBS	Resistivity Button Selection	AUTO
XGAI	Gain	GAIN_2
XOFF	Offset	OFFSET_0
System and Miscellaneous		
BS	Bit Size	11.438 IN

Format: MEST\_C\_WRAP\_BY\_P1AZ    Vertical Scale: 1:200    Graphics File Created: 09-Sep-2023 09:23

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_016LUP	FN:13    PRODUCER	09-Sep-2023 09:23



Callibrations

### Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
<b>Micro Electrical Scanner – B (Slim) Wellsite Calibration – Caliper Calibration</b>							
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
<b>Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY</b>							
Before: 9-Sep-2023 6:39							
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	
<b>Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY</b>							
Before: 9-Sep-2023 6:39							
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	
<b>Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check</b>							
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
<b>Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check</b>							
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
<b>Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2</b>							
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	
<b>Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration</b>							
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
<b>Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration</b>							
Before: Calibration out of date 4-May-2022 21:05							
Gamma Ray (Jig – Bkg)	113.5	N/A	113.5	N/A	N/A	10.31	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

### Micro Electrical Scanner – B (Slim) / Equipment Identification

<b>Primary Equipment:</b>		
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
<b>Auxiliary Equipment:</b>		
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

Auxiliary Equipment:  
HNGC Housing

HNGH – A 115

# Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:  
HNGS Sonde

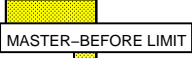













HNGS – BA 177

Auxiliary Equipment:  
HNGS Sonde Housing  
Gamma Source Radioactive

HNSH – BA 174  
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	Value						
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		0.9507

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  
Enhanced DTS Cartridge

EDTG – A/B 79159  
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 U1604B**

Field: **NW Greenland Glaciated Margin**

Rig: **JOIDES Resolution**

Country: **Greenland**

FMS Log