



GEOFRAME
PROCESSED
INTERPRETATION

BestDT* sonicVision Processing

580m - 2544m (1/200)

* A Mark of Schlumberger

Using the following logs: sonicVision

COMPANY: Esso Australia Pty. Ltd.
WELL: HLA A16A
FIELD: Halibut
Rig: ISDL 453
State: Victoria
COUNTRY: Australia
Date Logged: 13-Jan-07
Well Location: Bass Strait

Date Processed: 16-Mar-07

API Number: 07ASQ0001

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

		Software Version: 12C0-302	Engineer: Borjas,Skiba,Kohli
Office Recording:	ICS Center: Melbourne	Baseline: GF 4.3 DC2	Log Analyst: A. Datey
Mud and Borehole Measurements:			
			Bitsize: 8.5in
		Type Fluid in Hole:	KCL PHPA Glycol
		Mud Density: 1.35g/cm3	

Remarks:

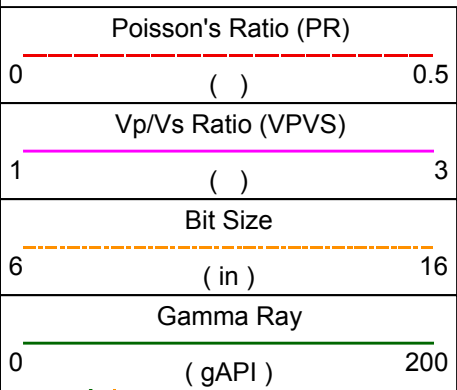
DT Compressional processed unsing 10KHz - 16KHz filter.

Additional, a 720 level median resildual filter was used to remove direct collar arrival.

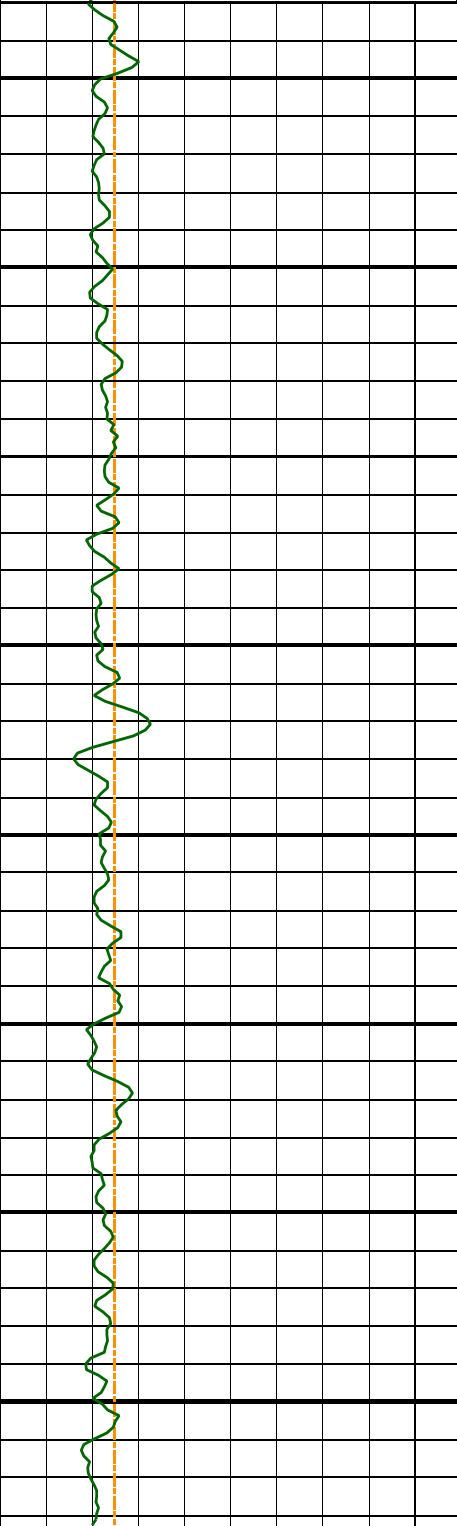
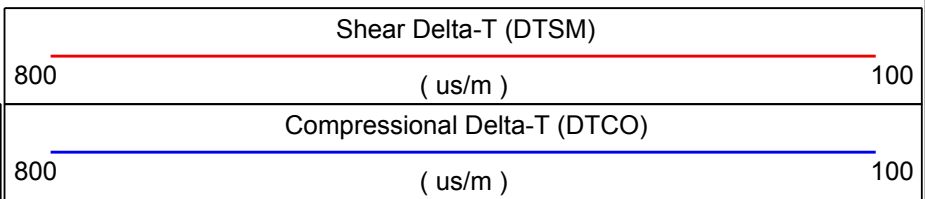
DT Shear processed using 5KHz - 11KHz filter.

See bottom of the QC lof for more parameters.

Processing Results



MD
1 : 200
m



580

585

590

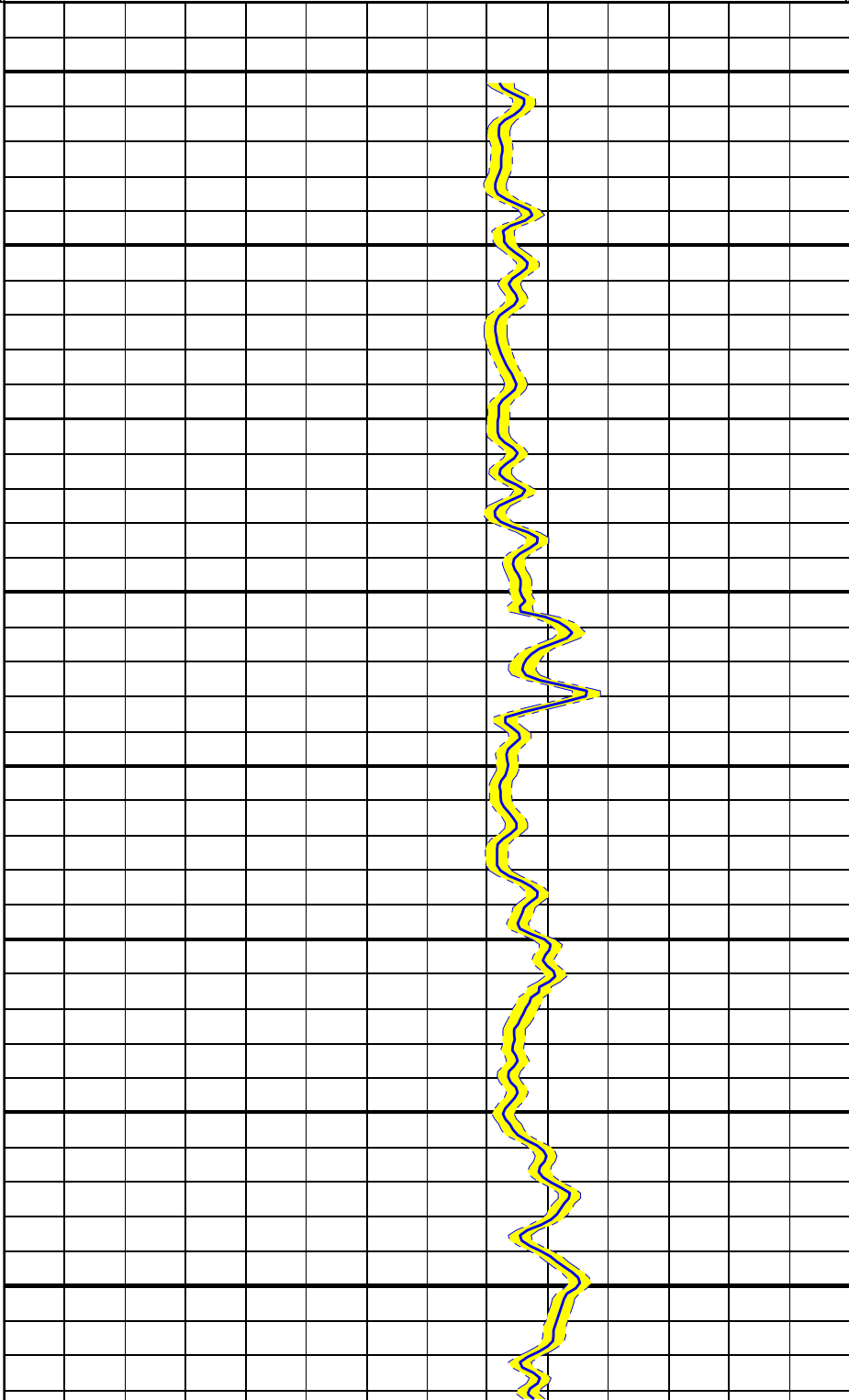
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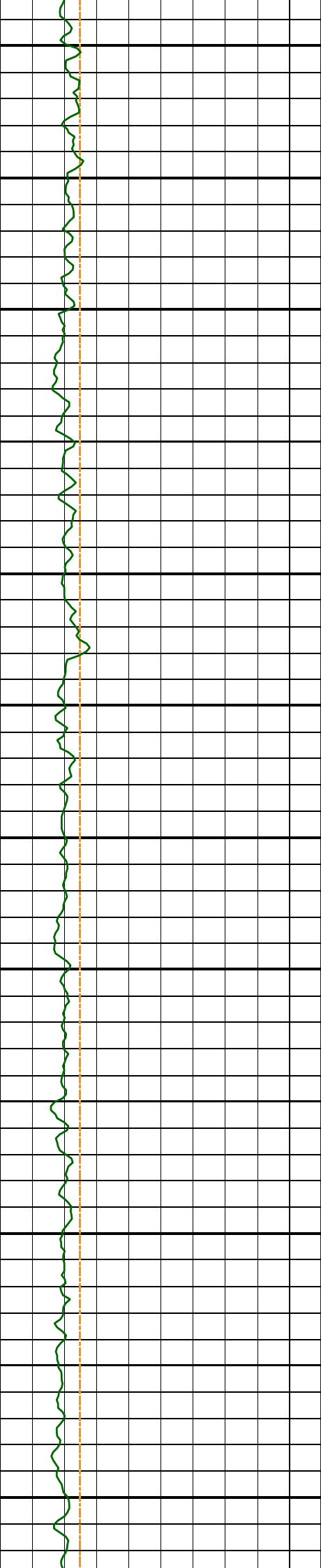
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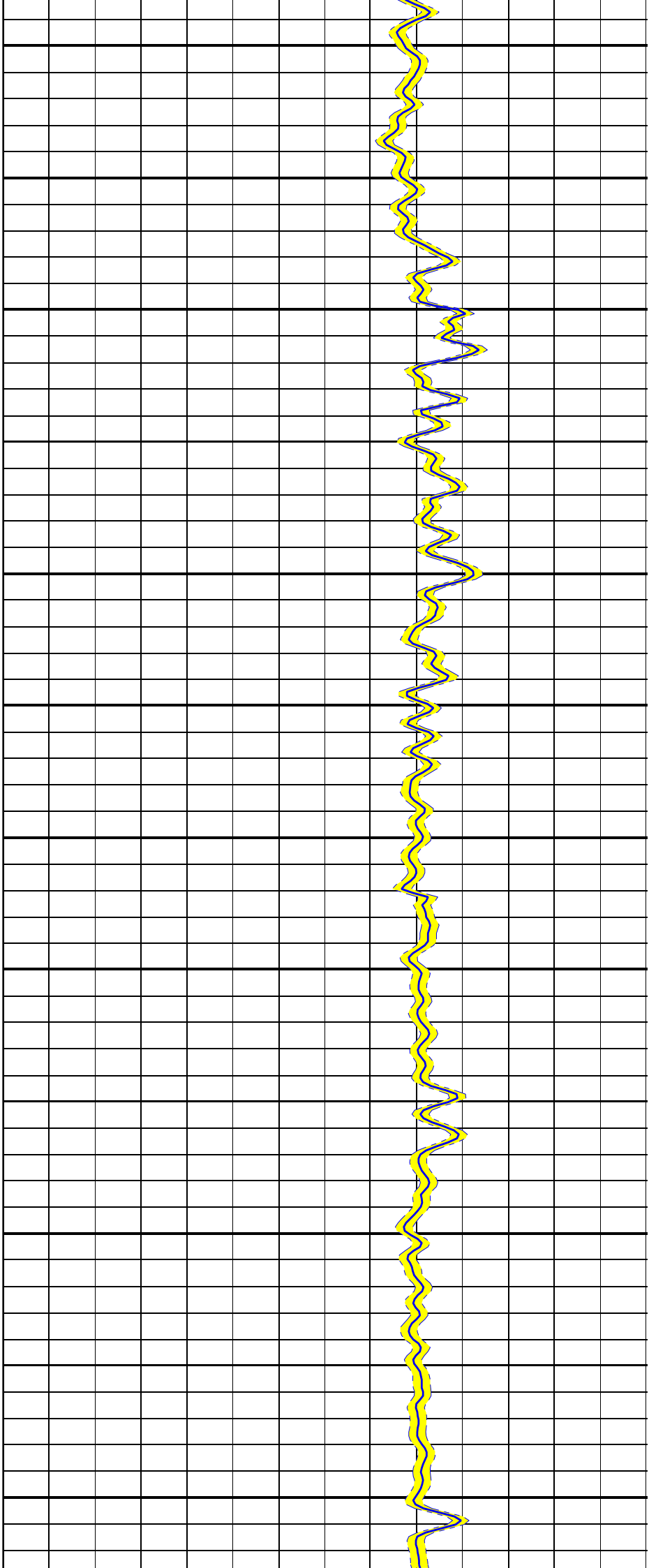
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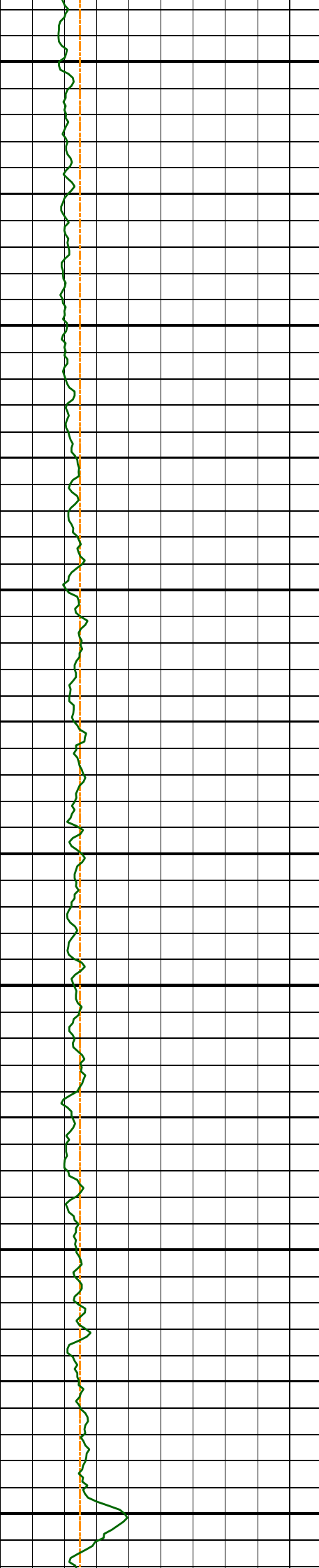
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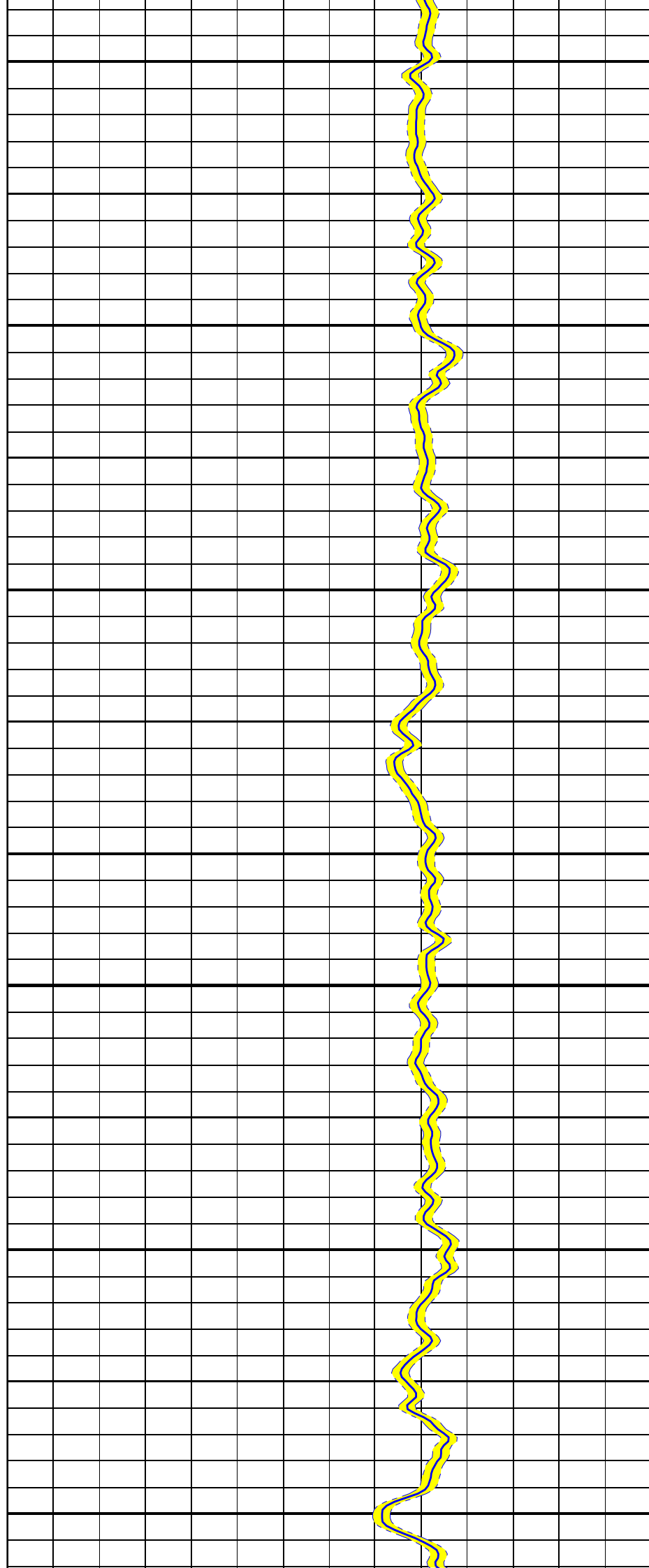
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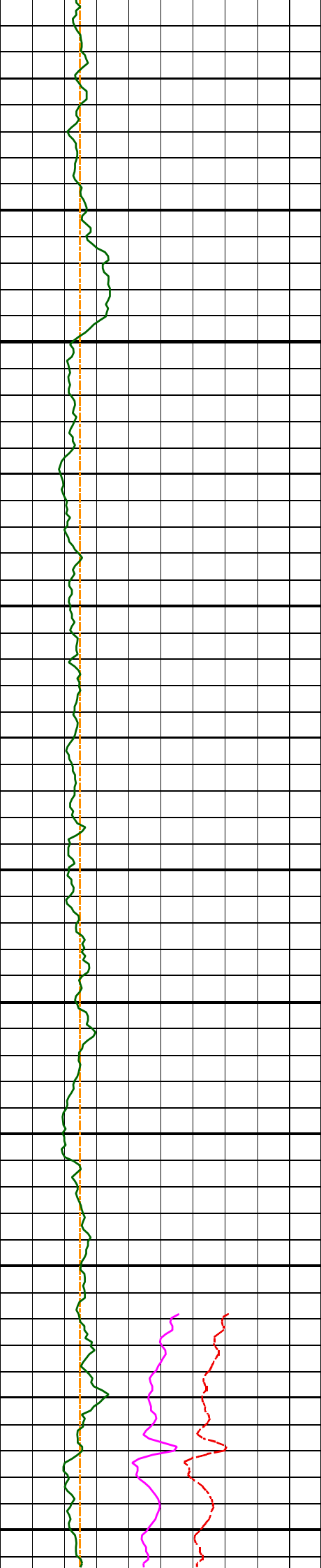
720

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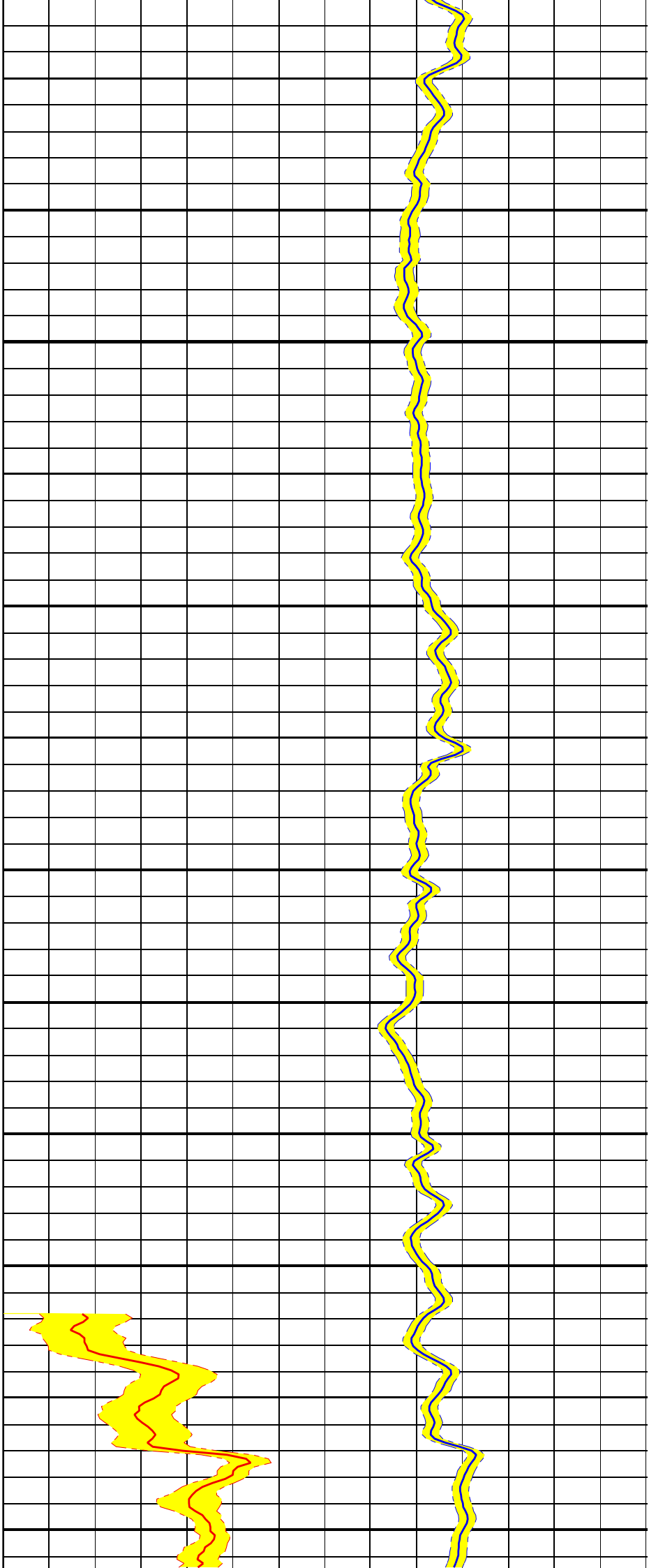
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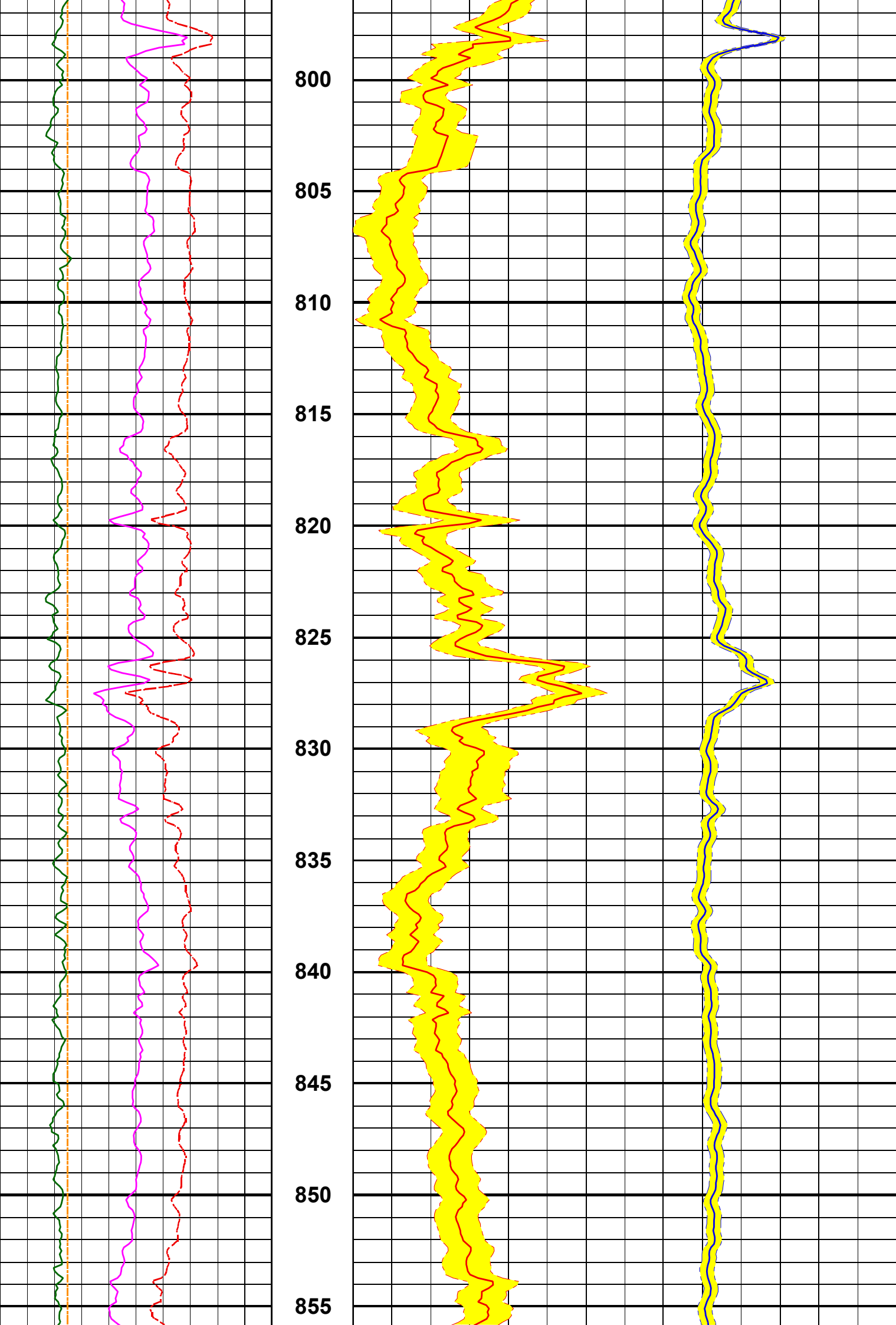
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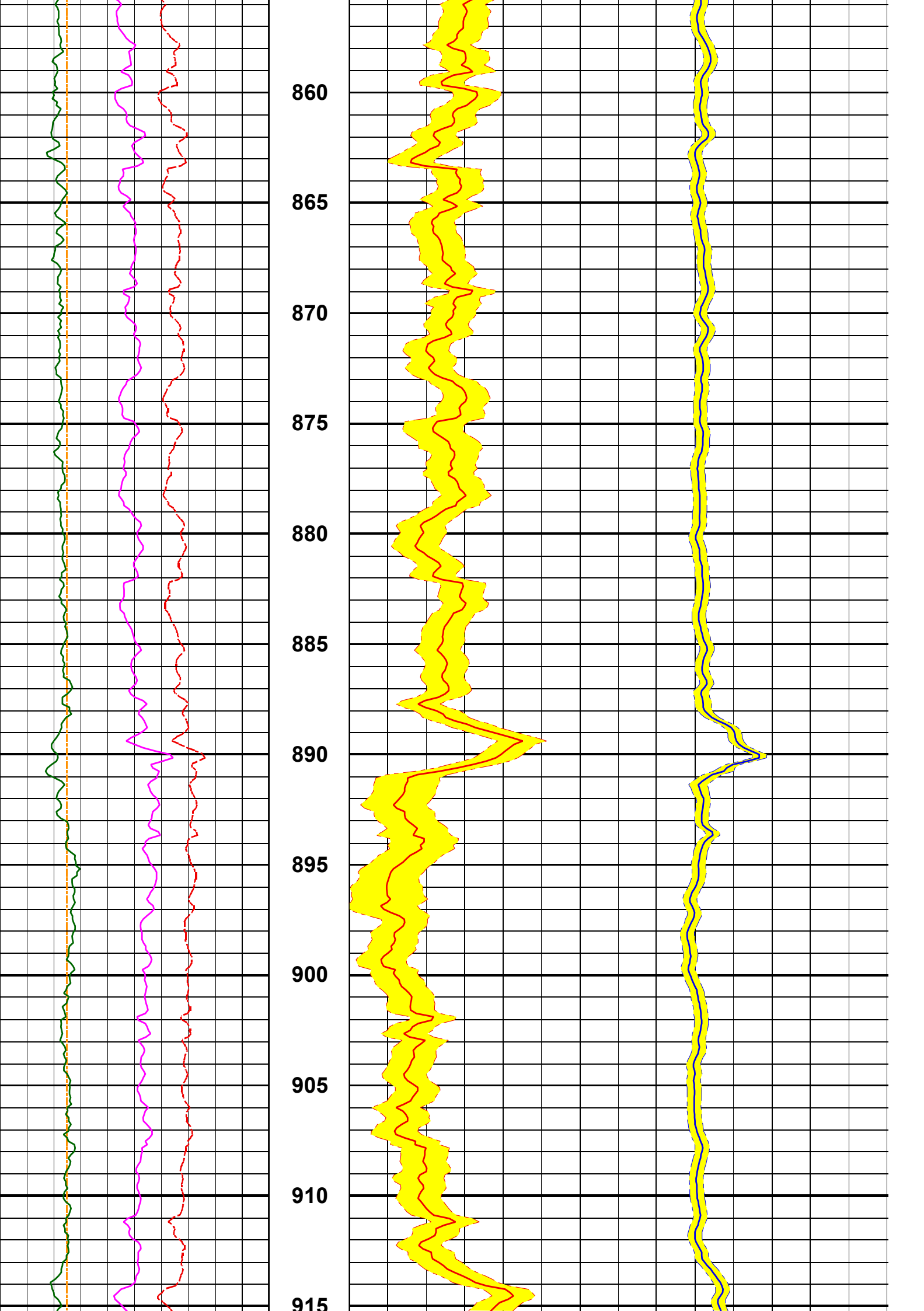
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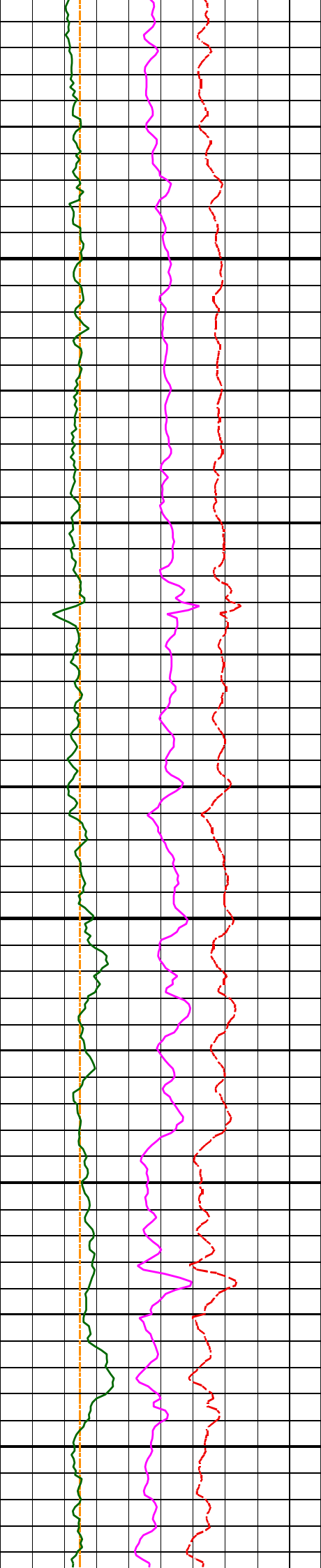
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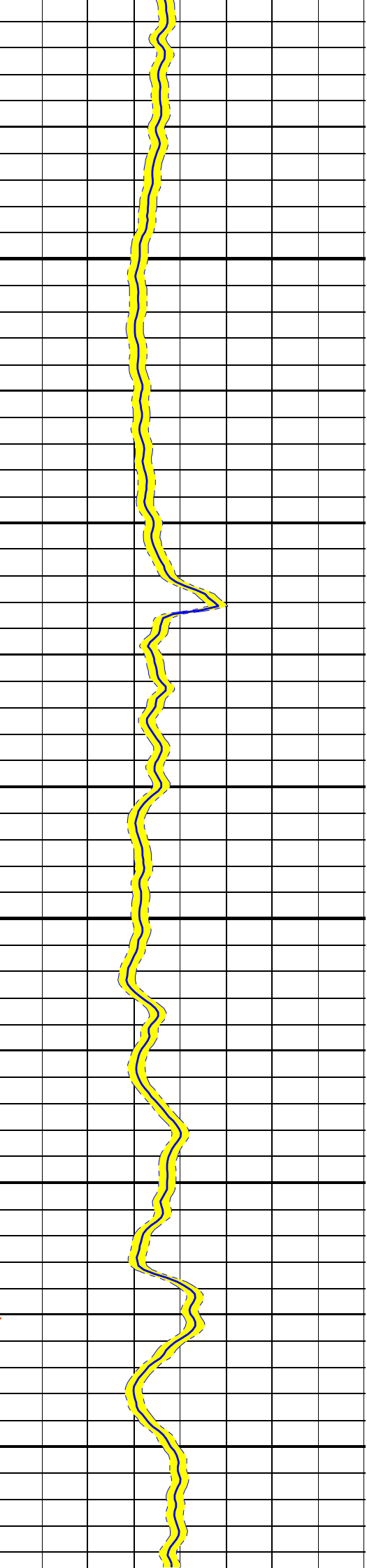
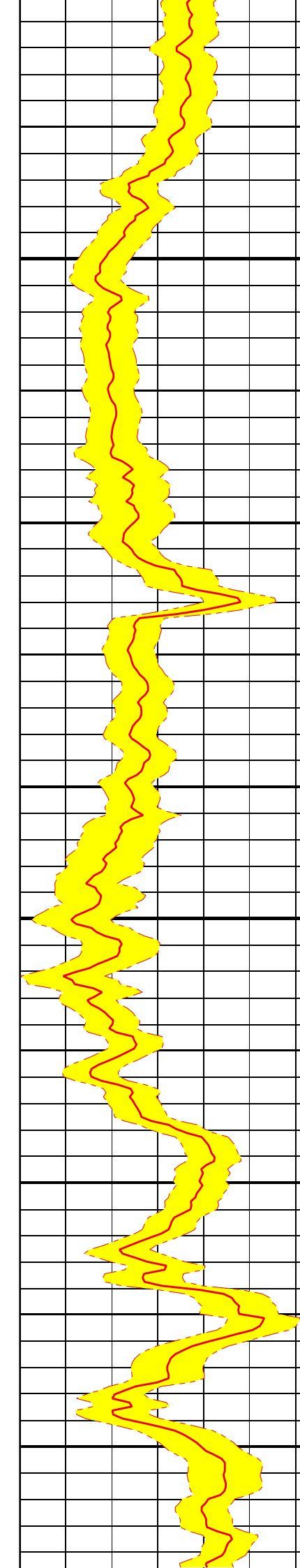


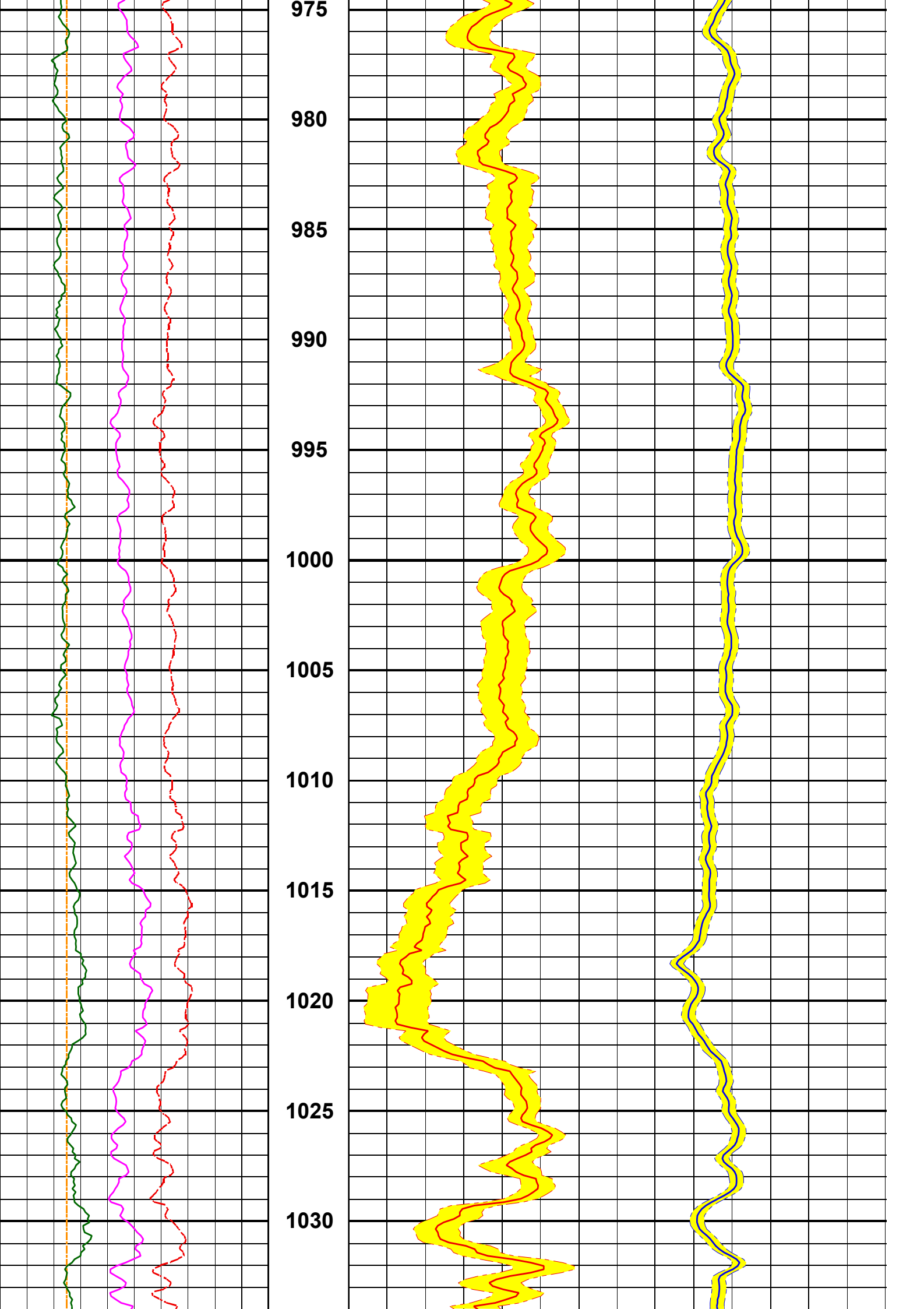


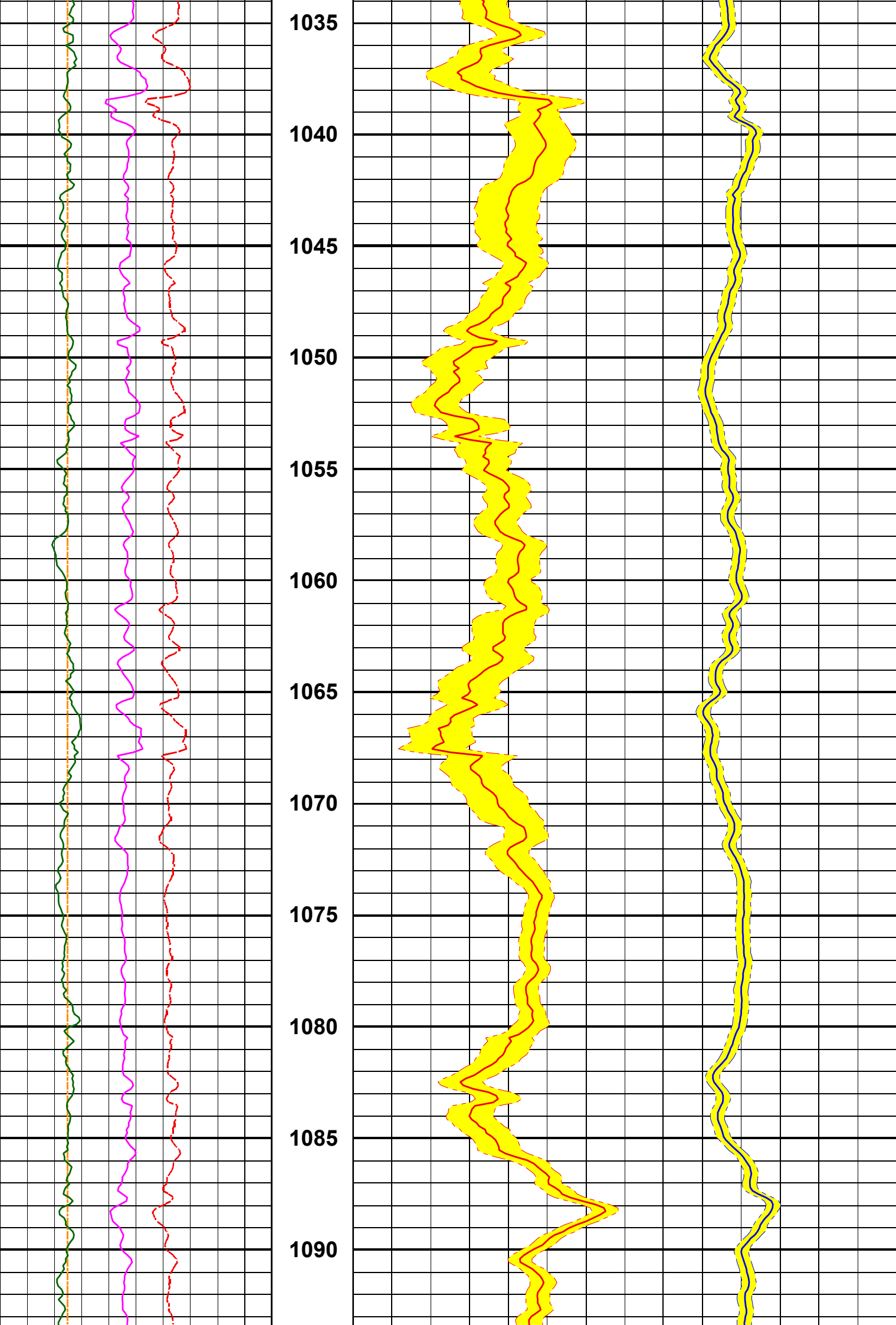


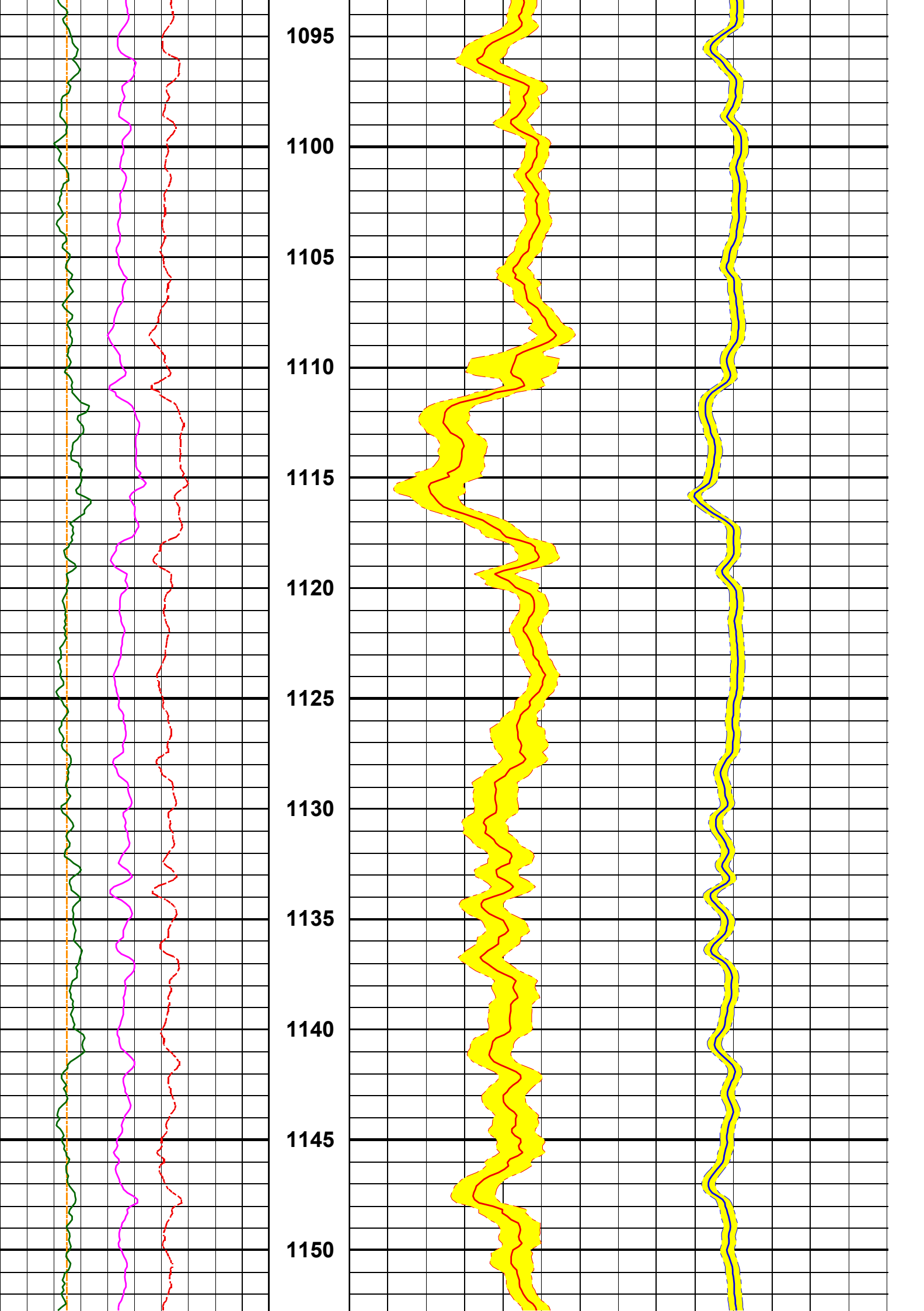


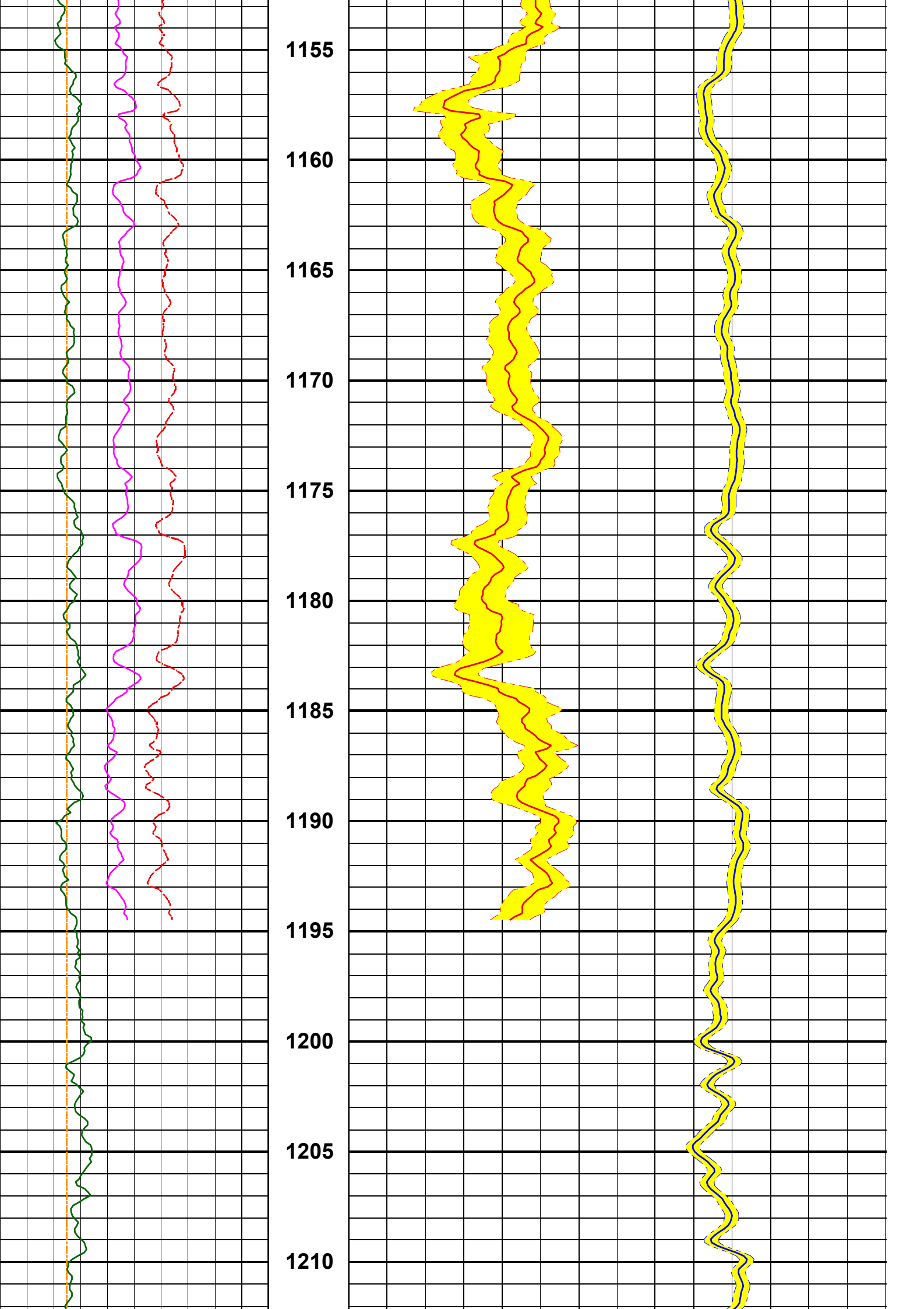
910
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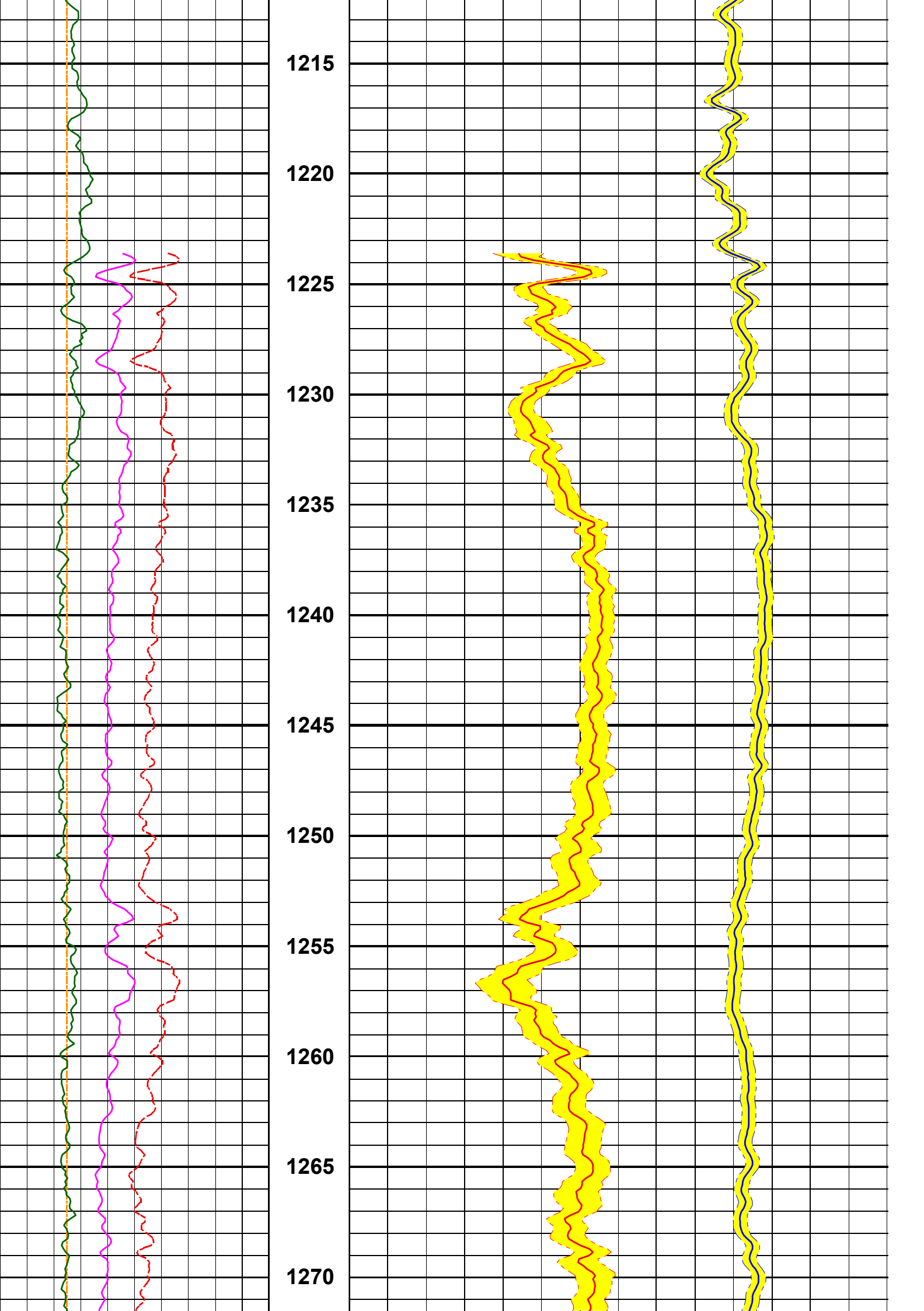


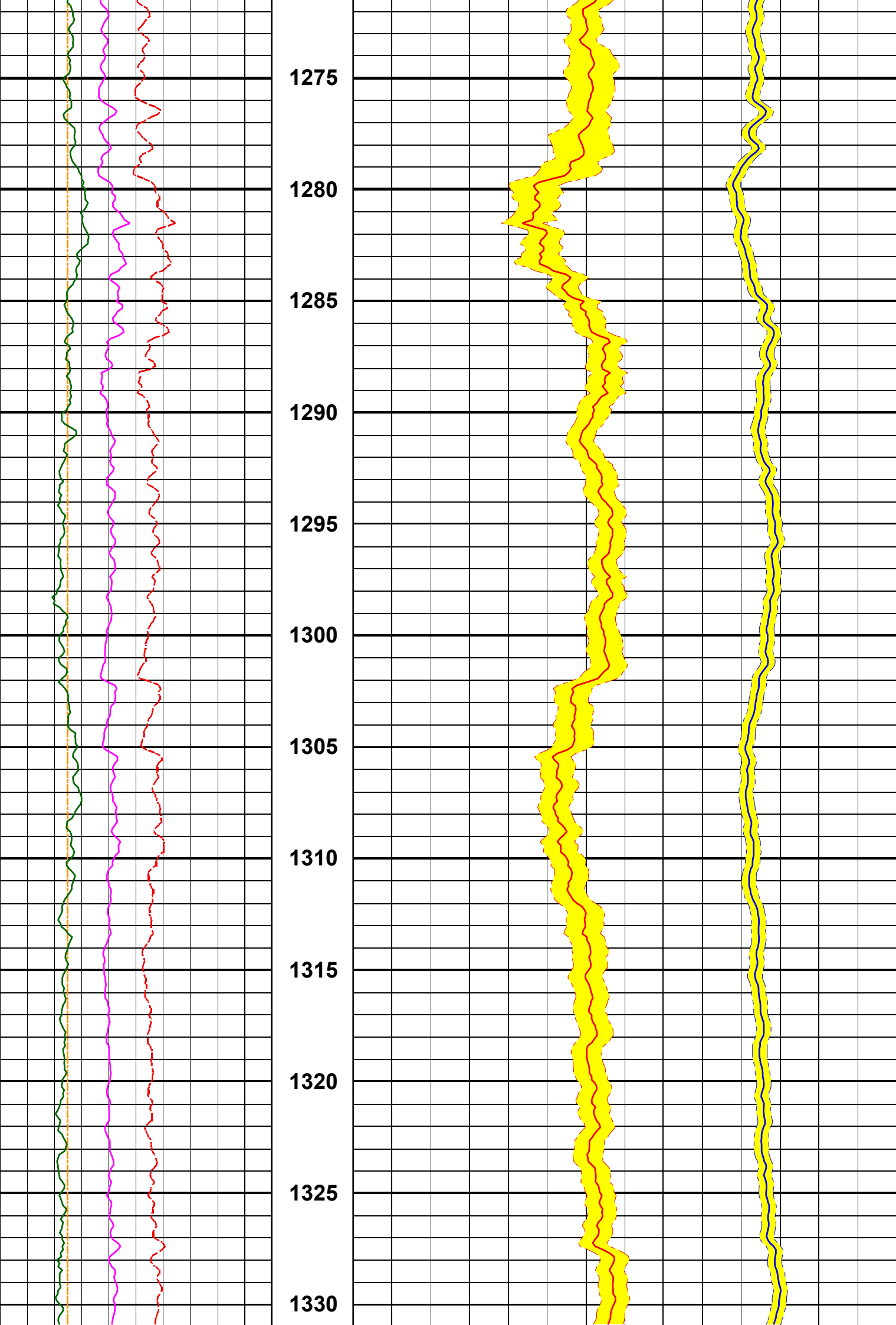


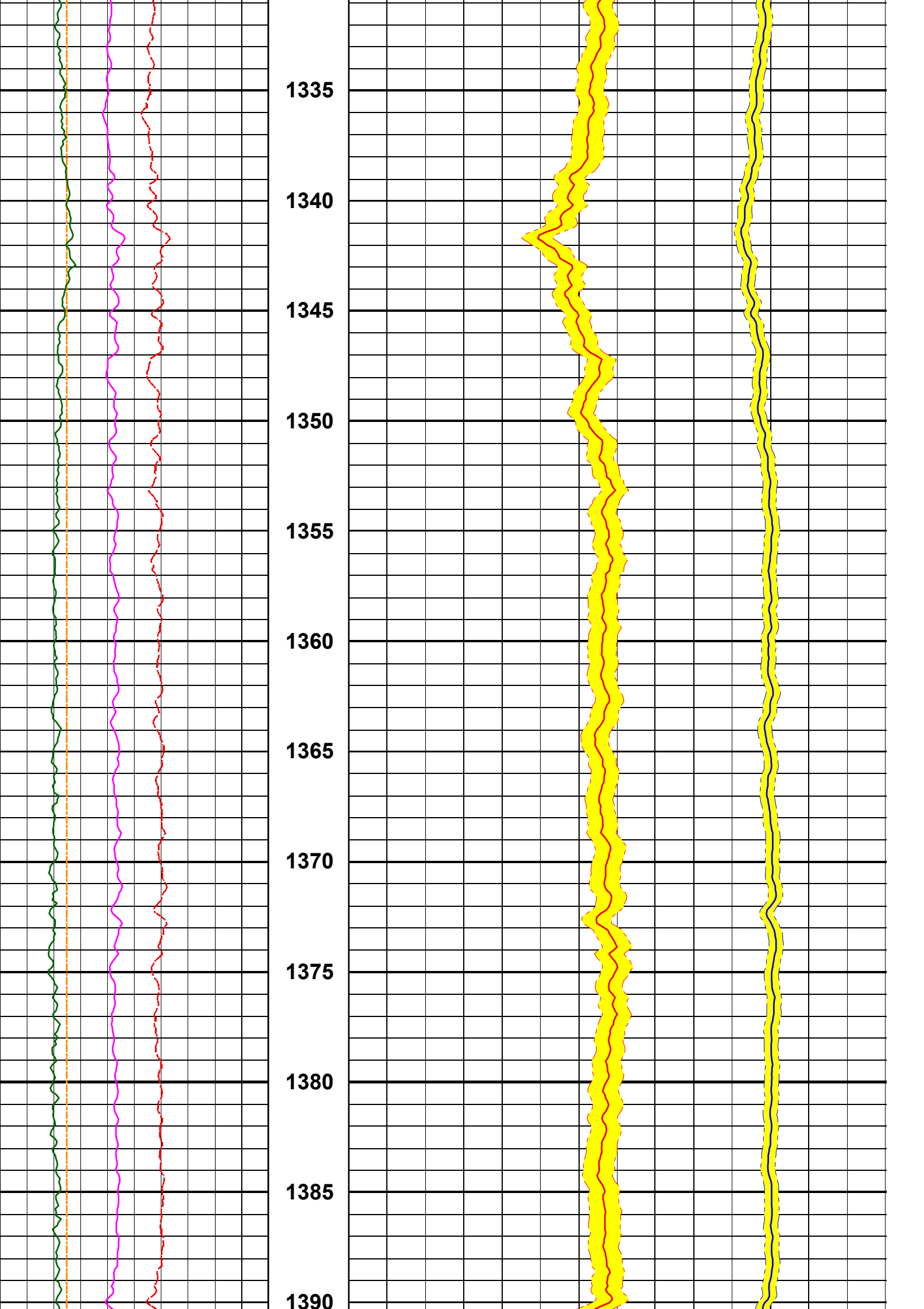


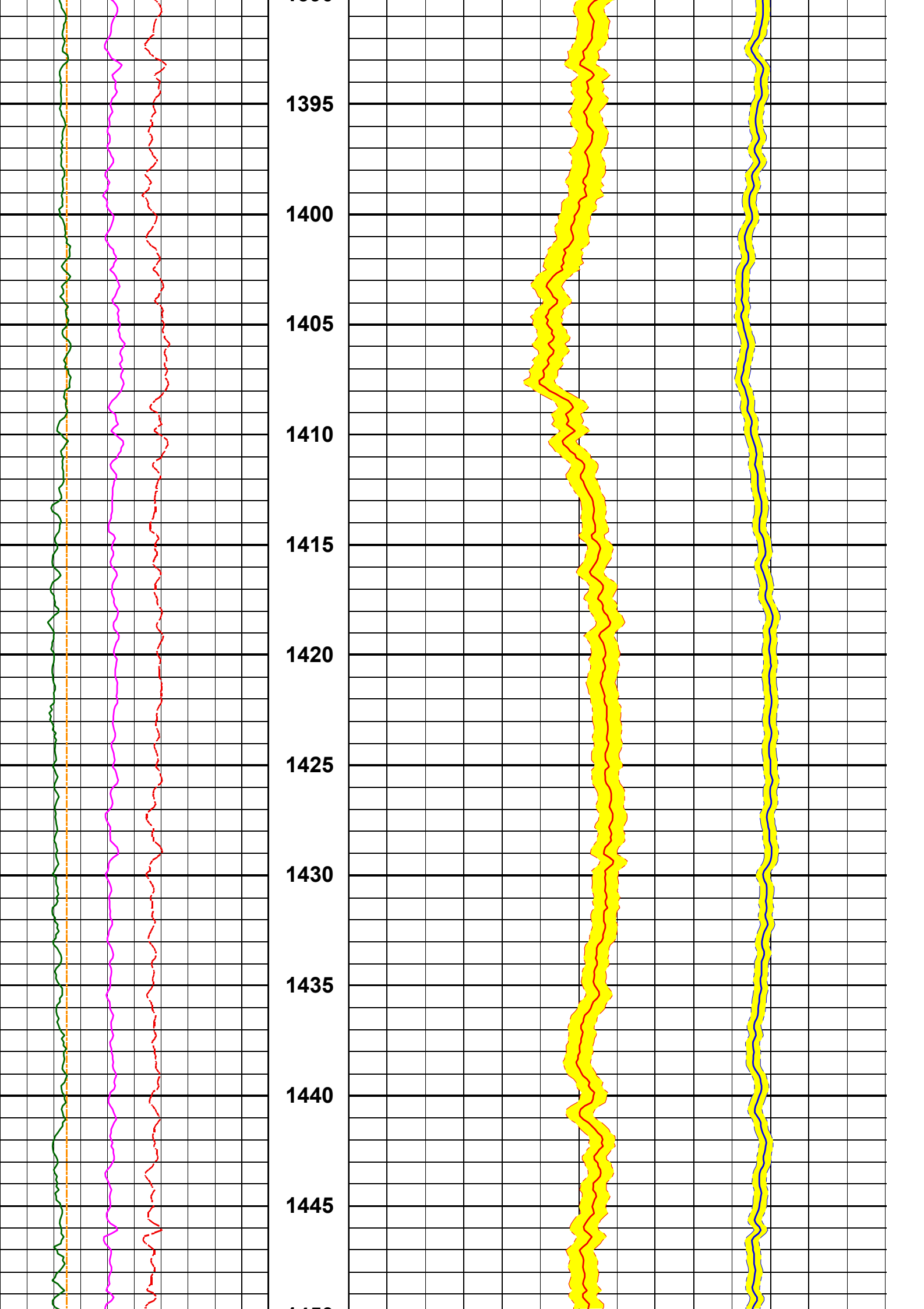


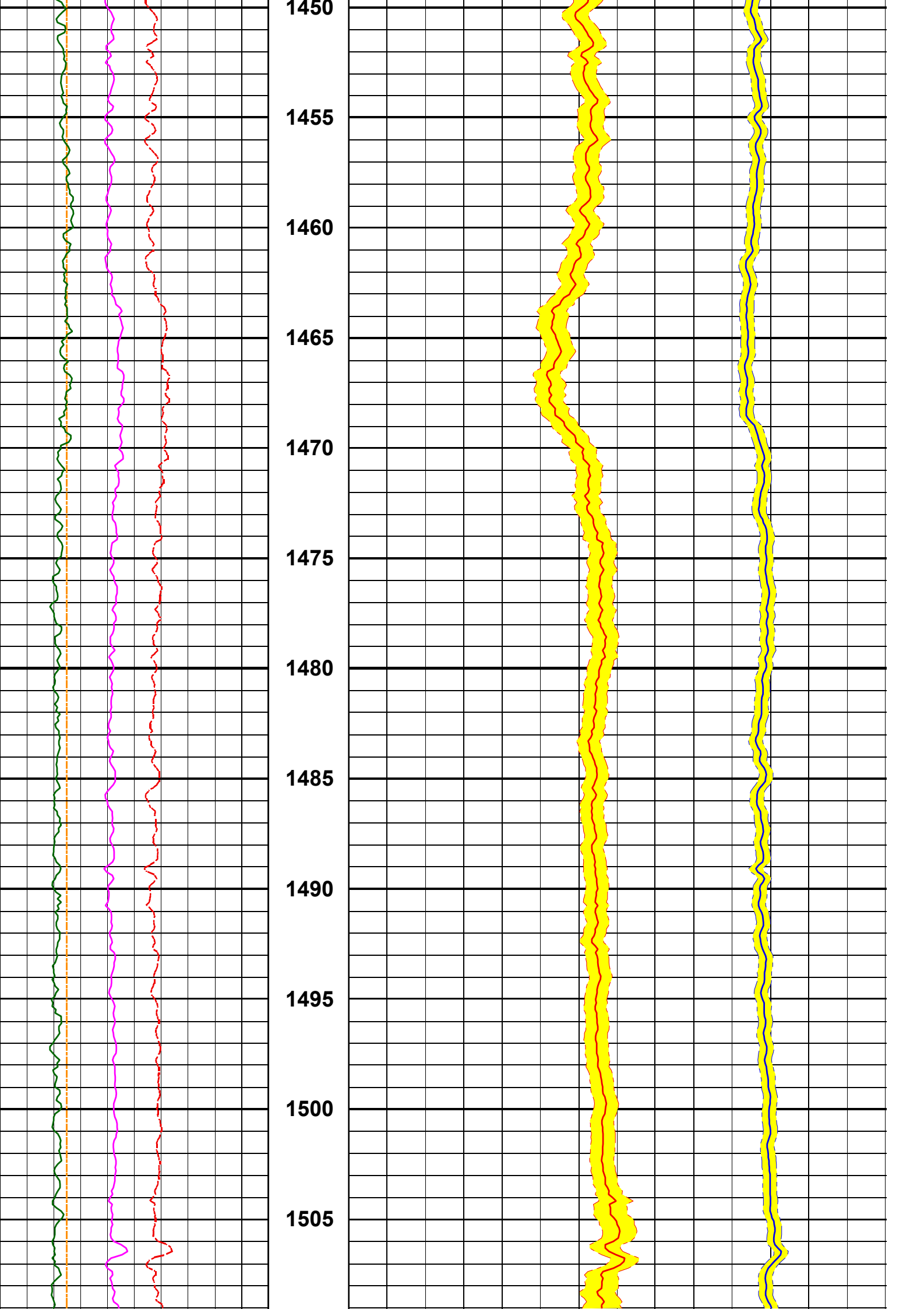


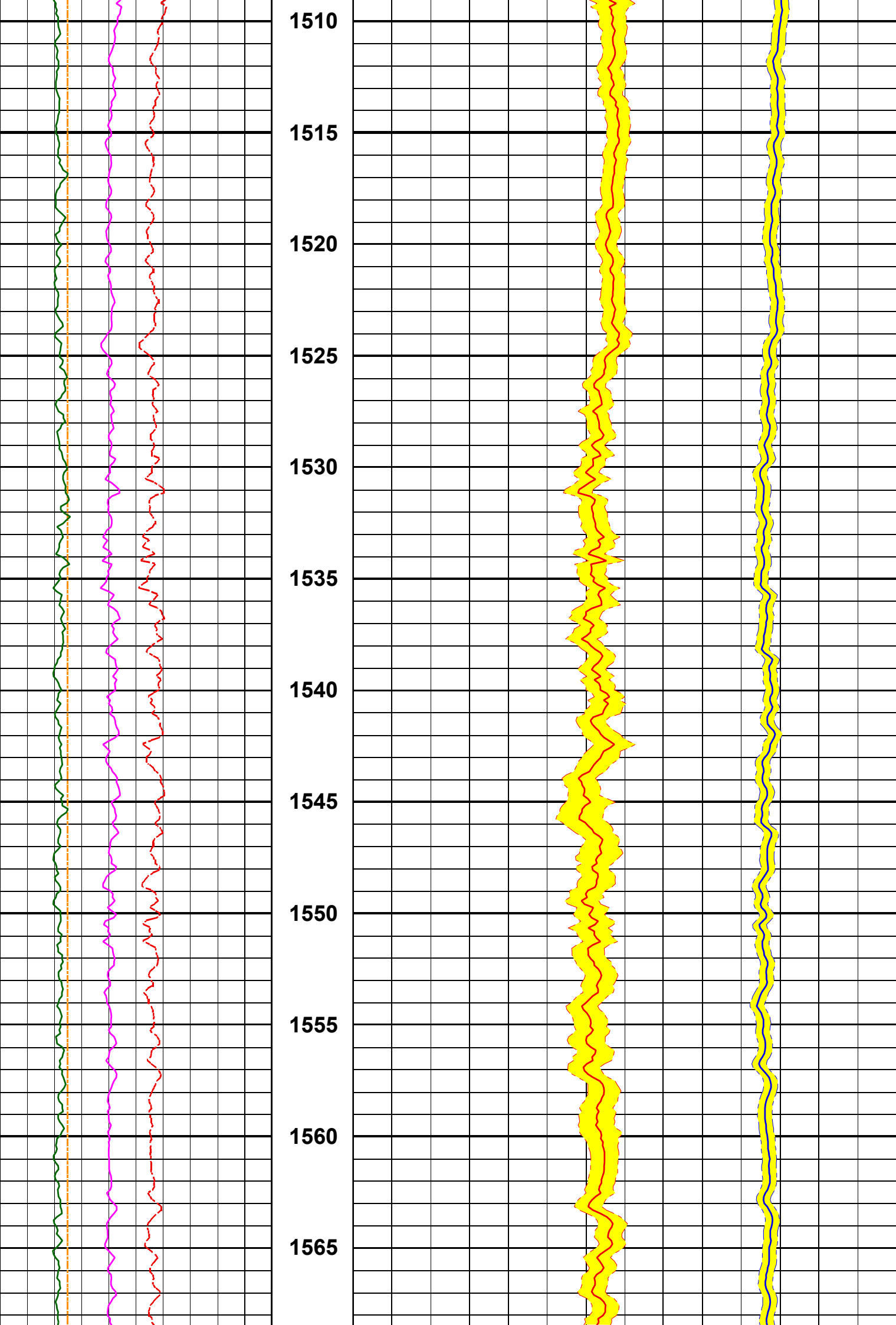


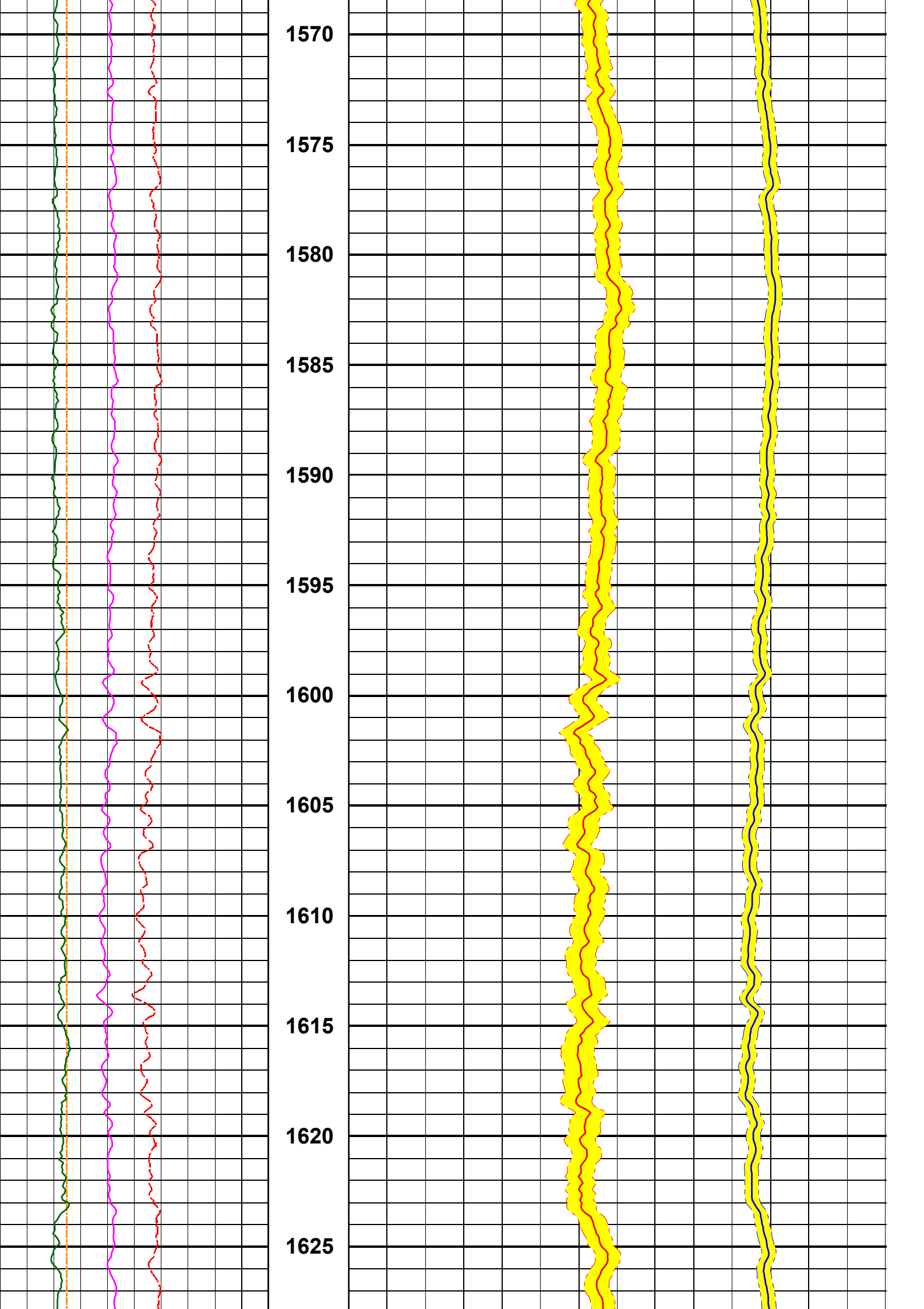


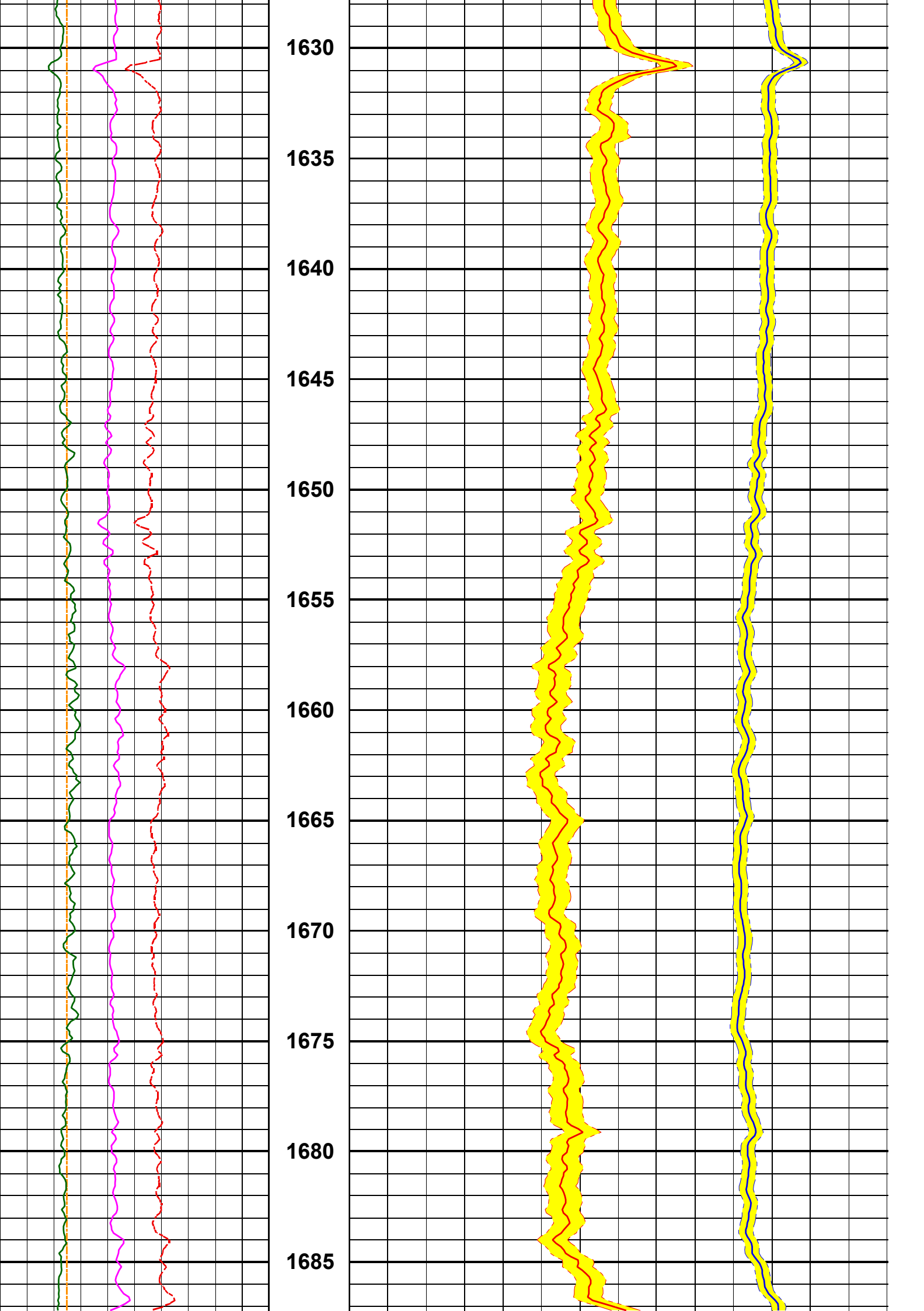


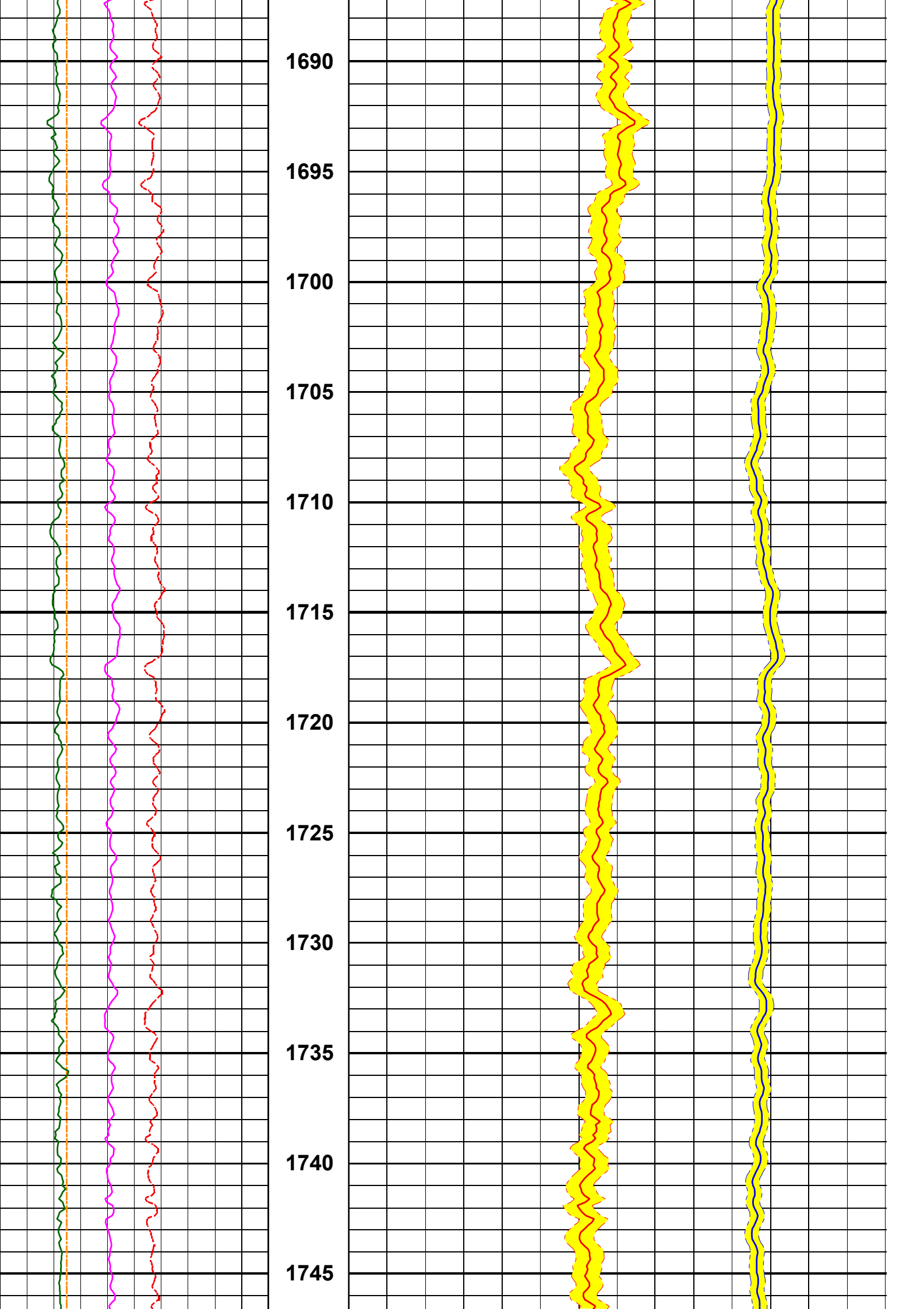


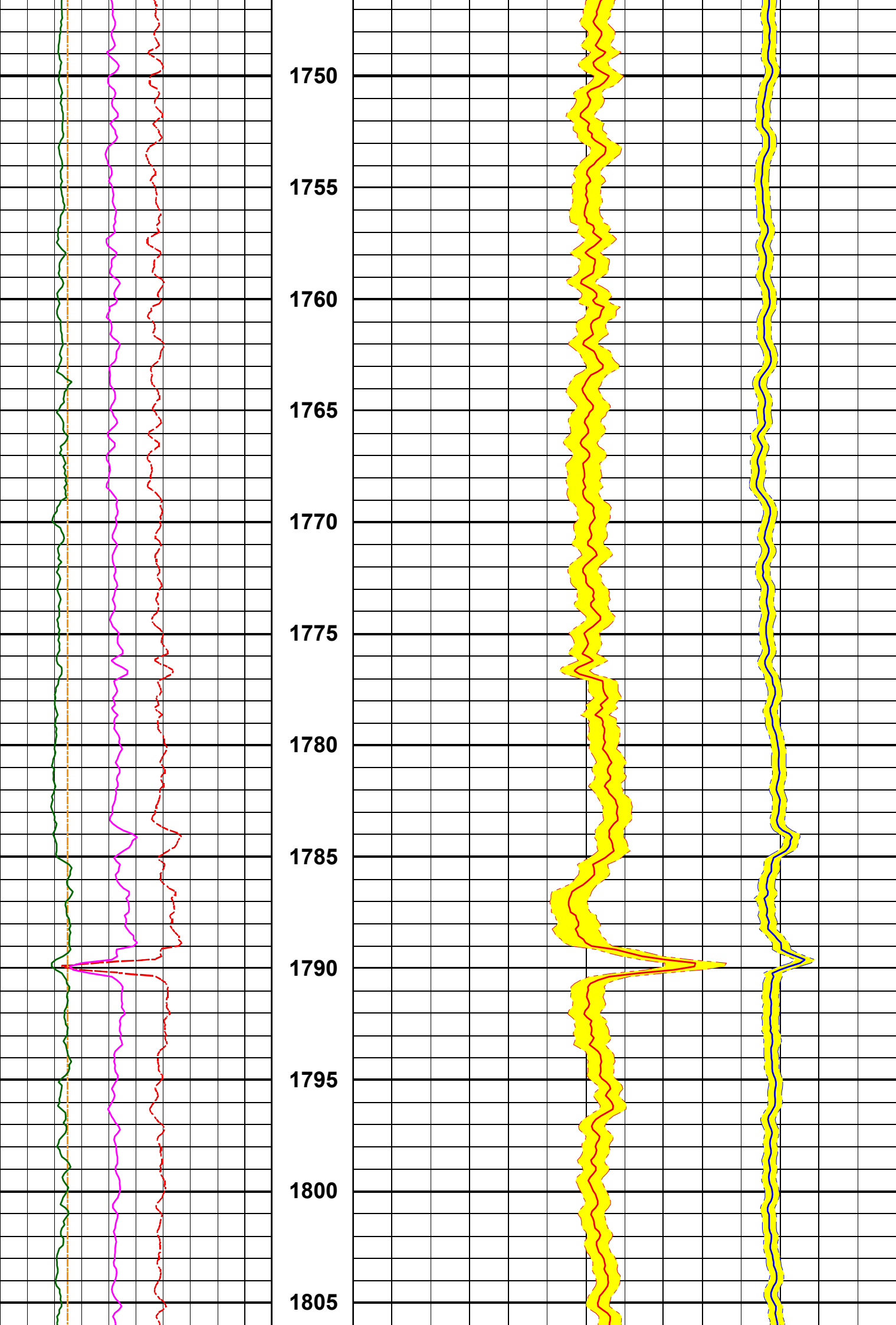


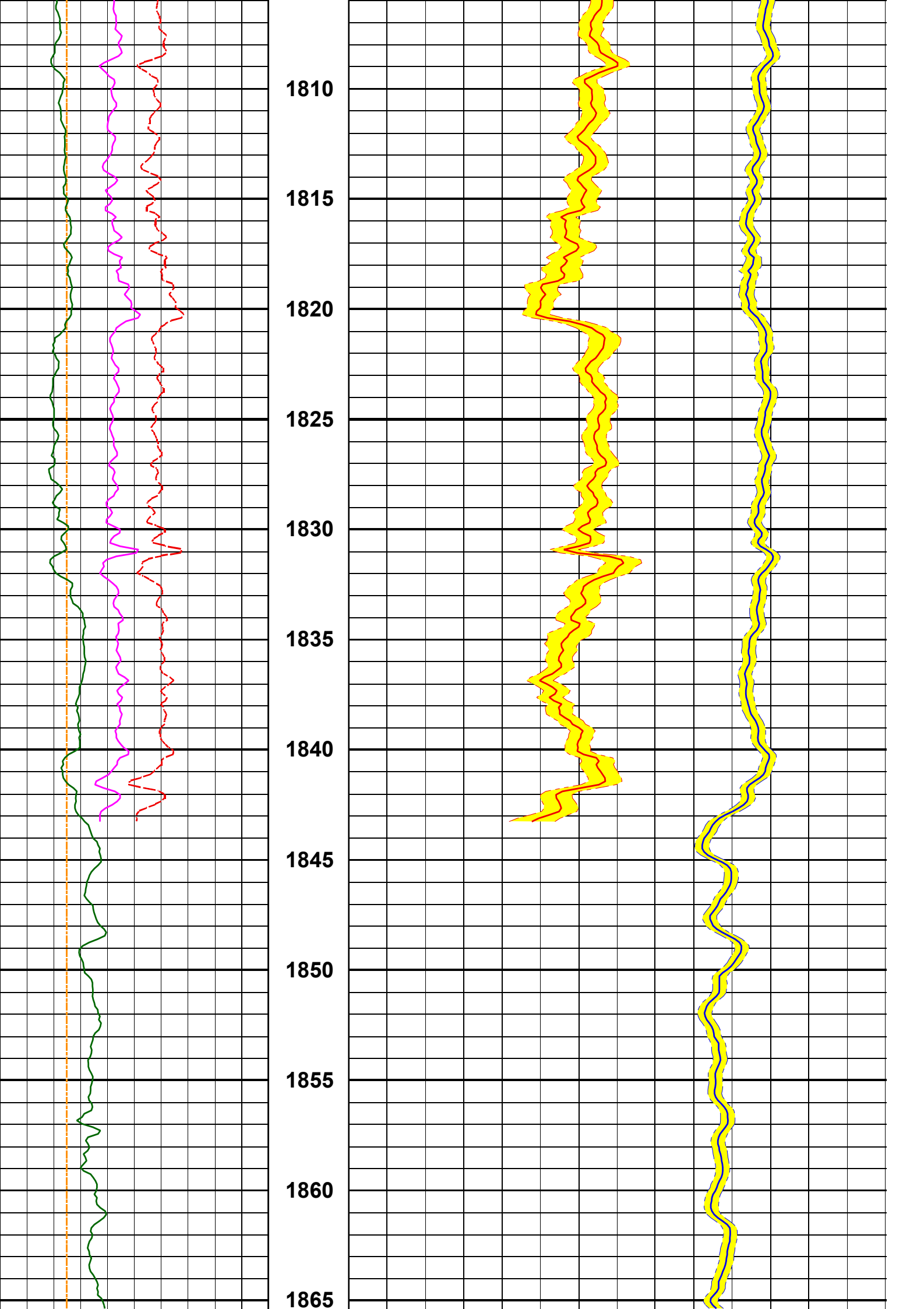


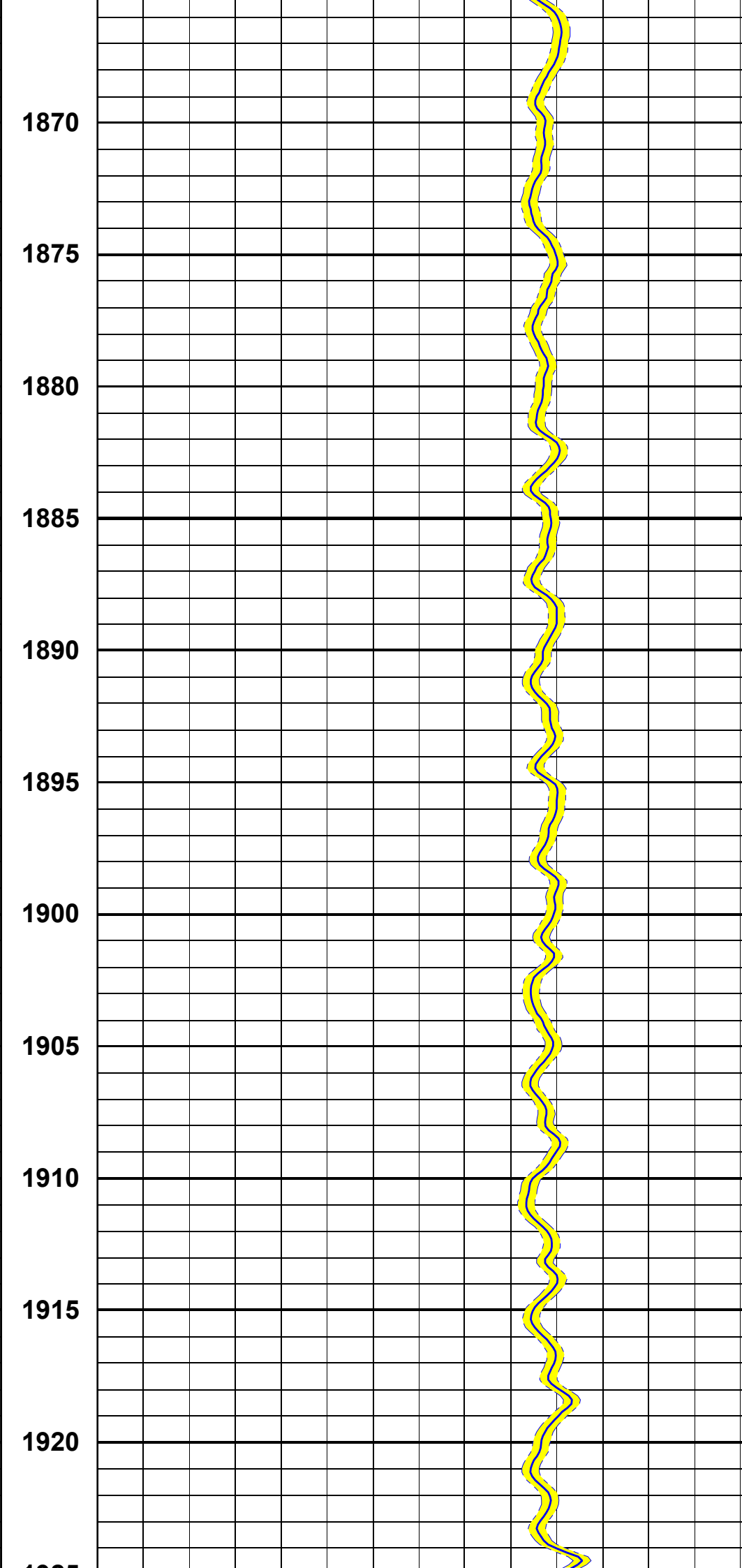
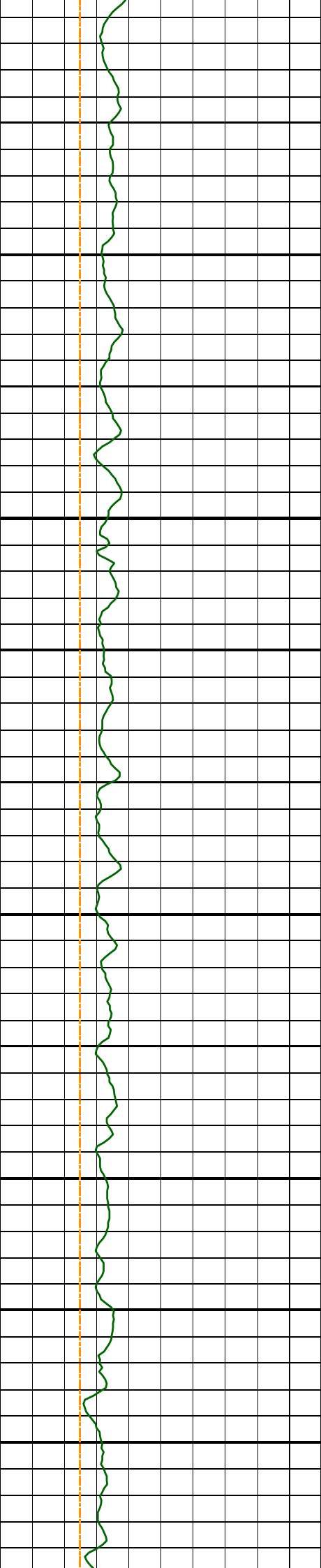


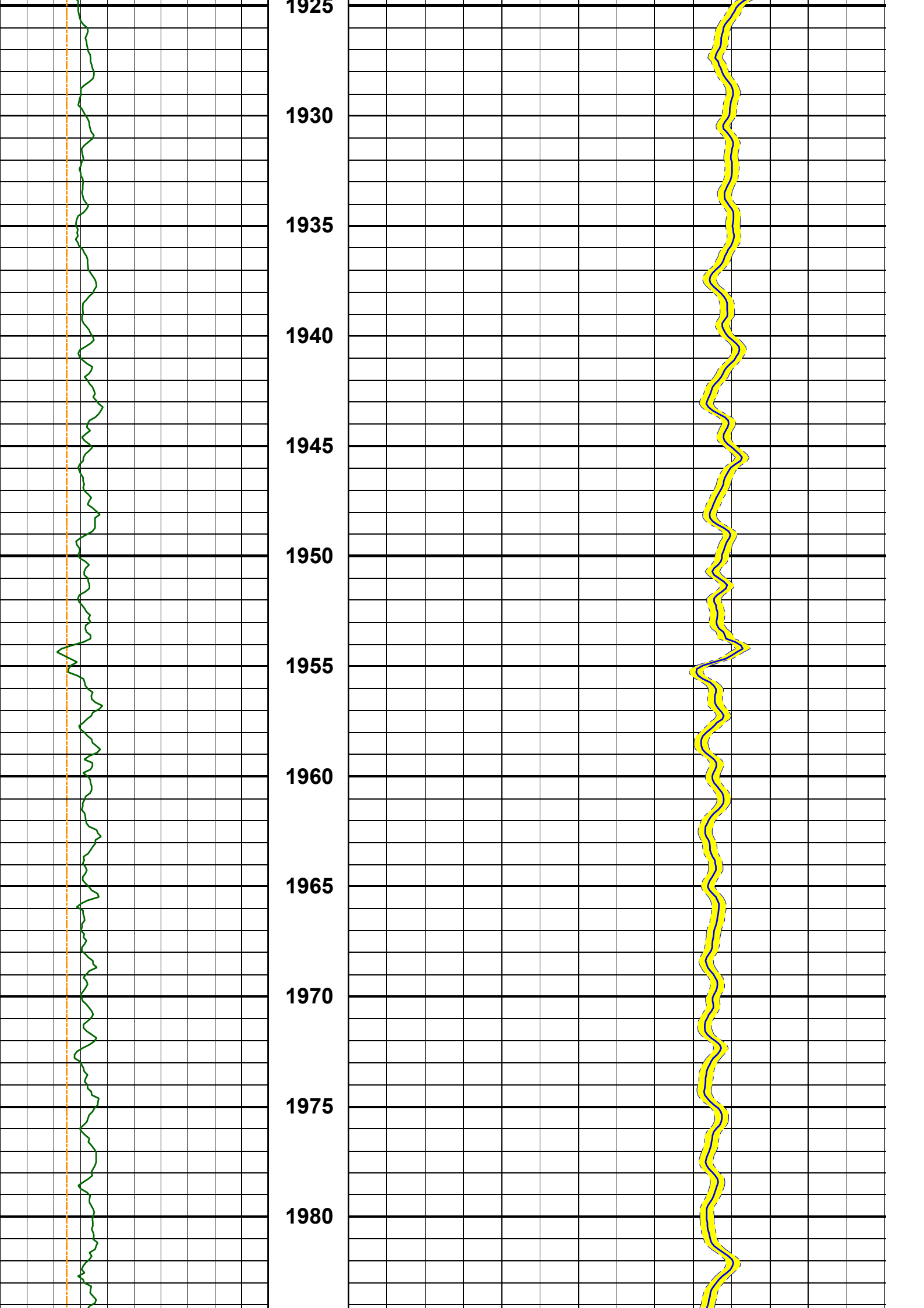


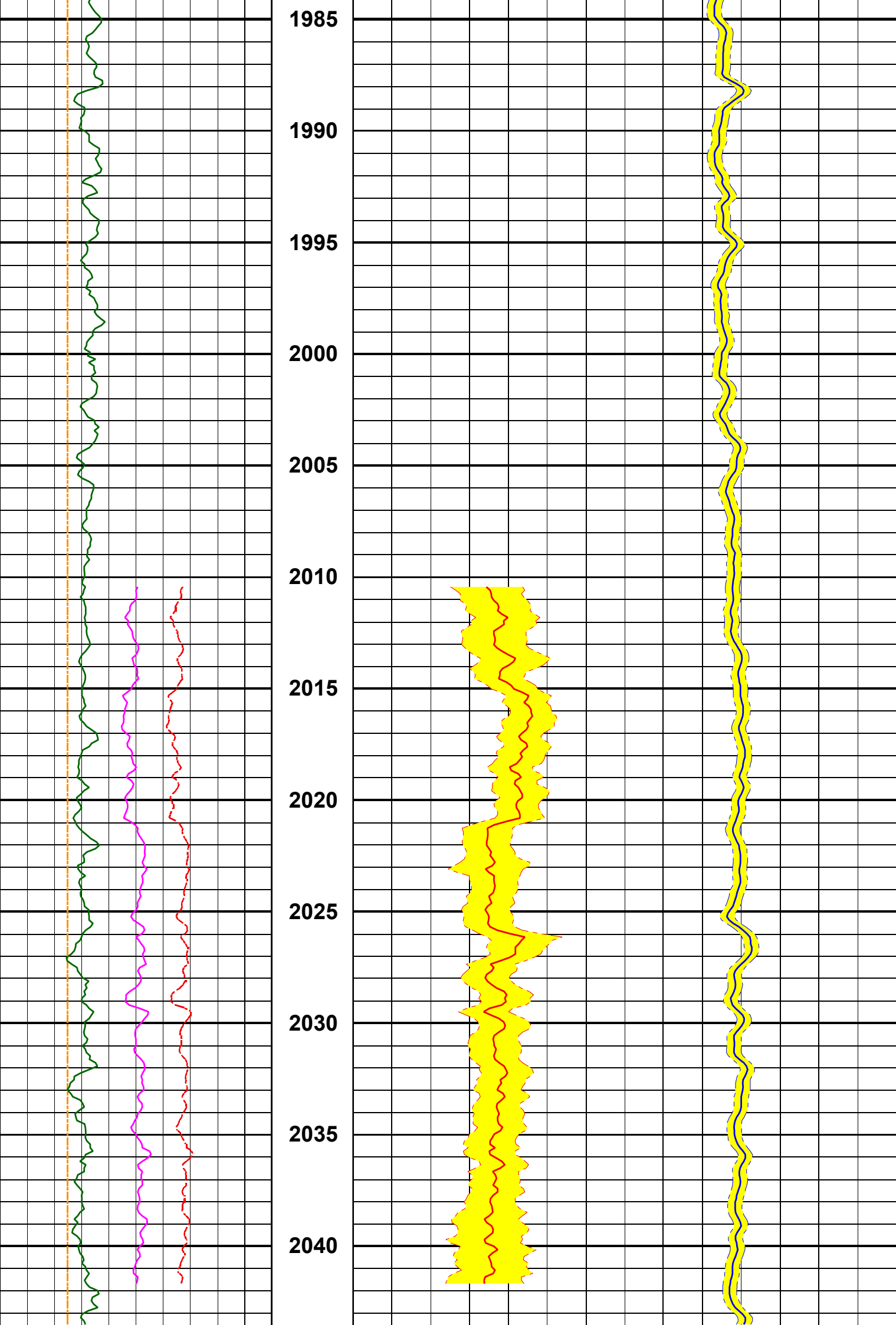


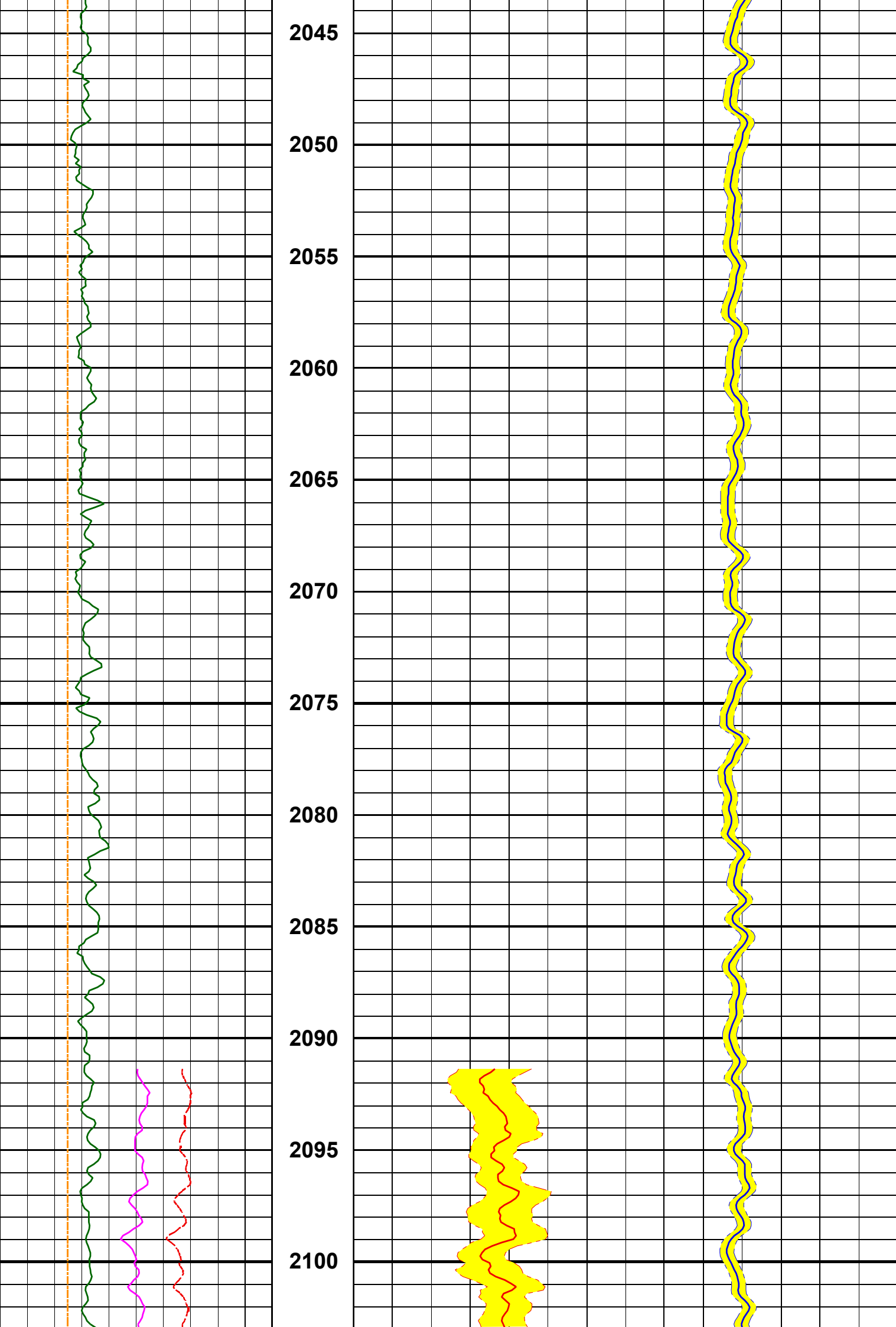


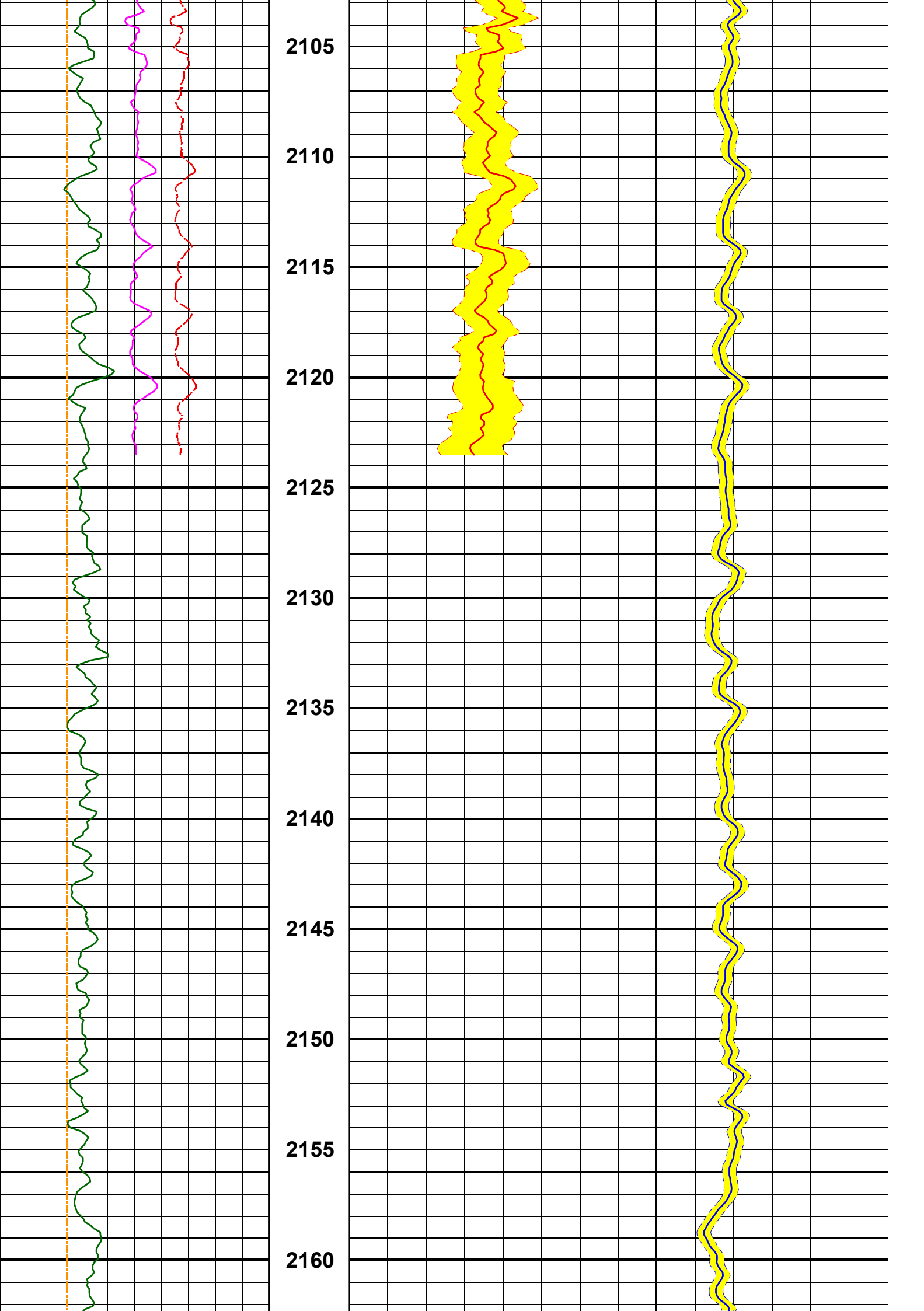


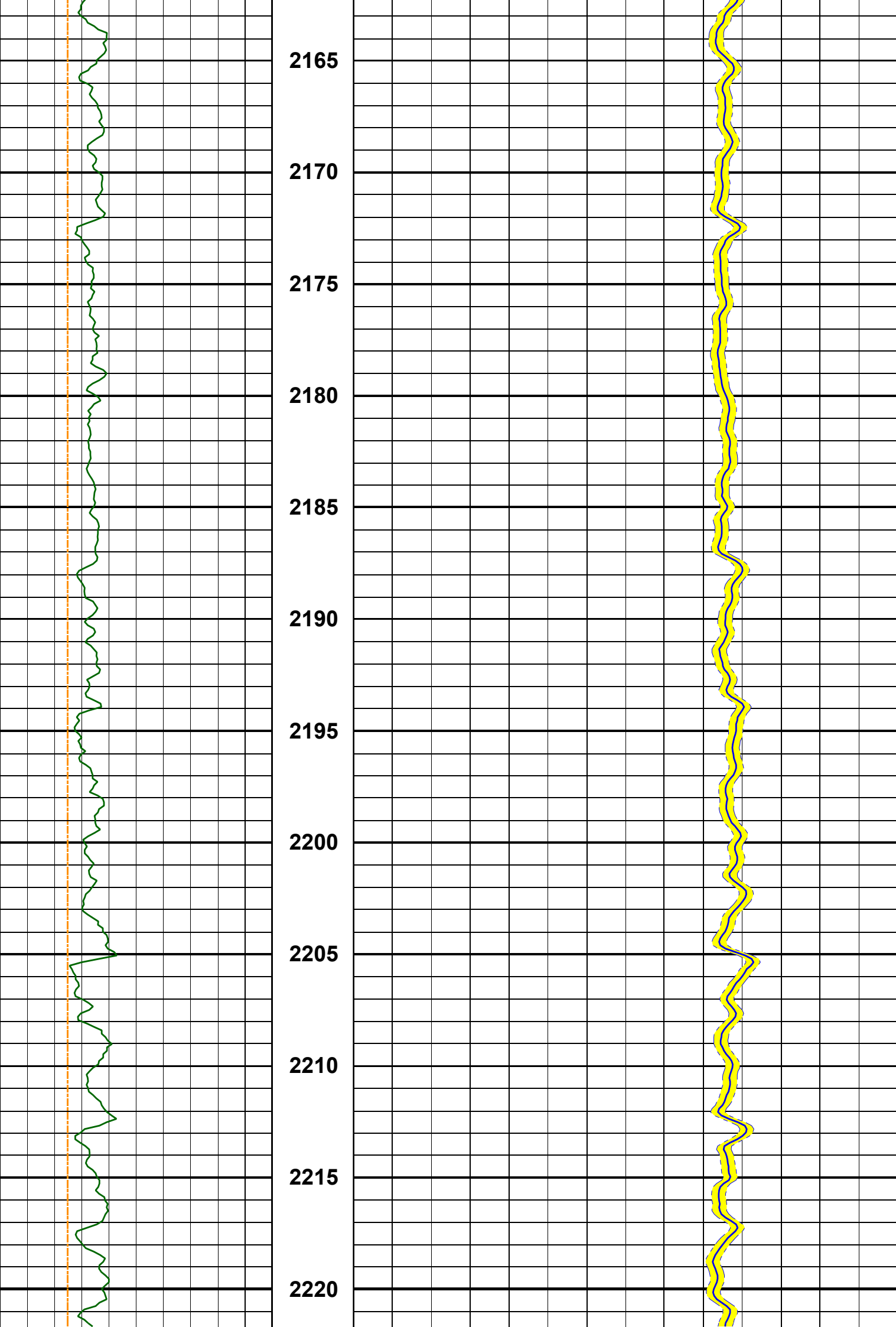


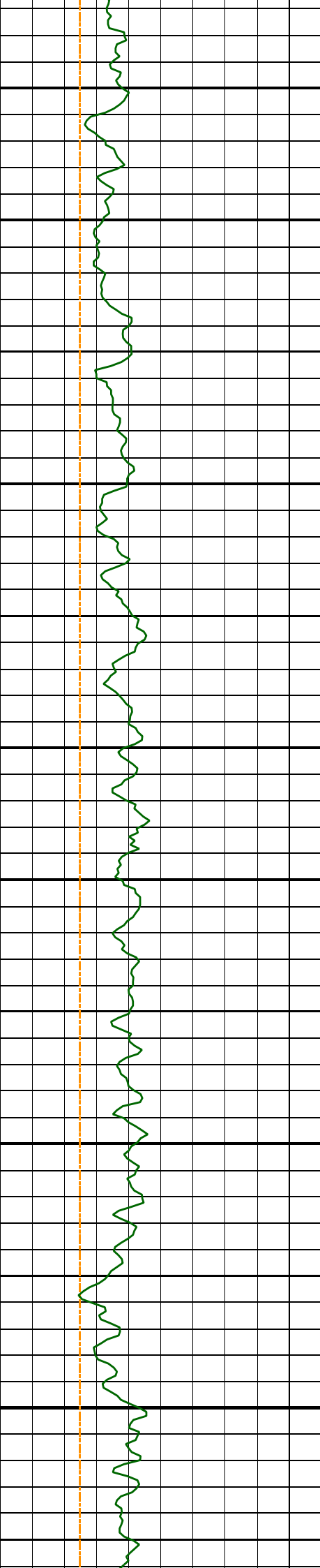












2225

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2240

2245

2250

2255

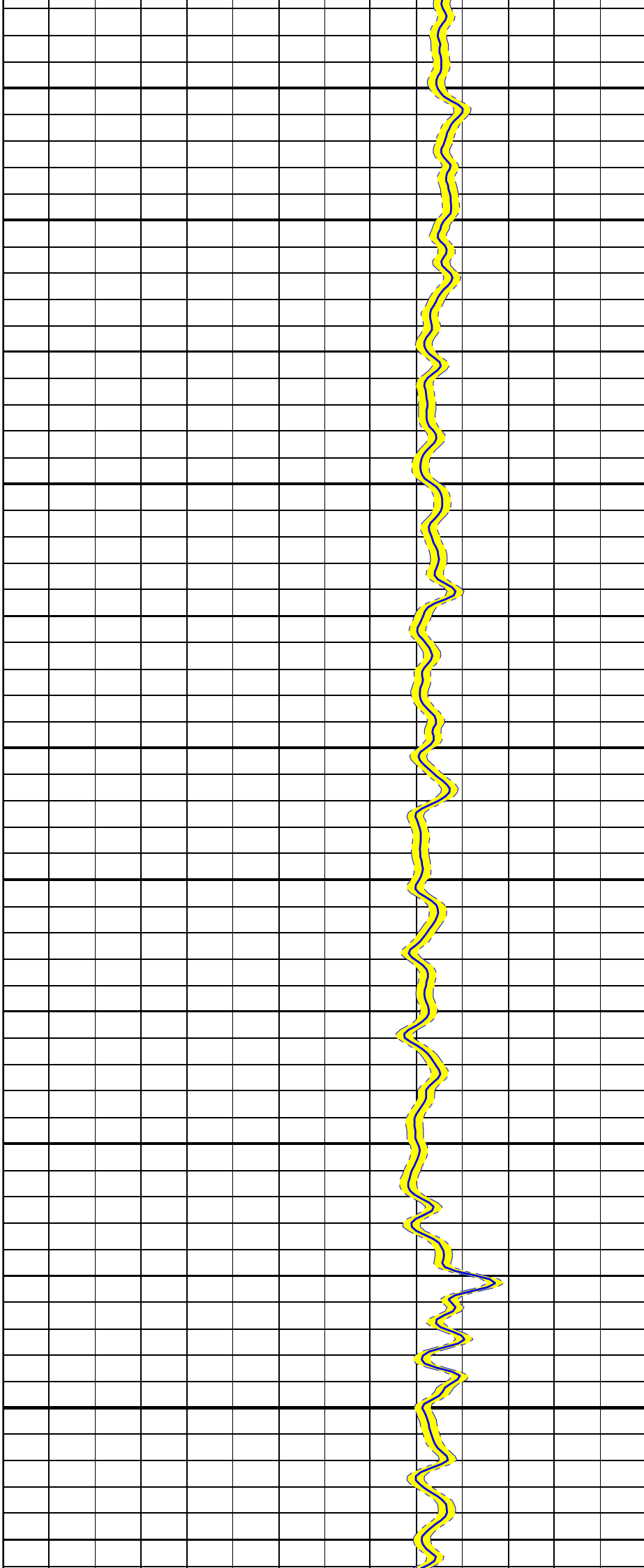
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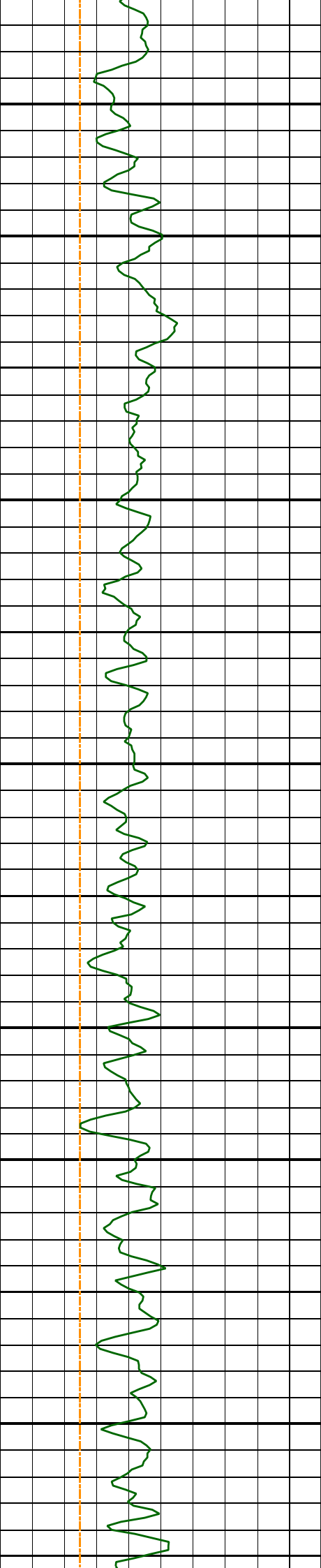
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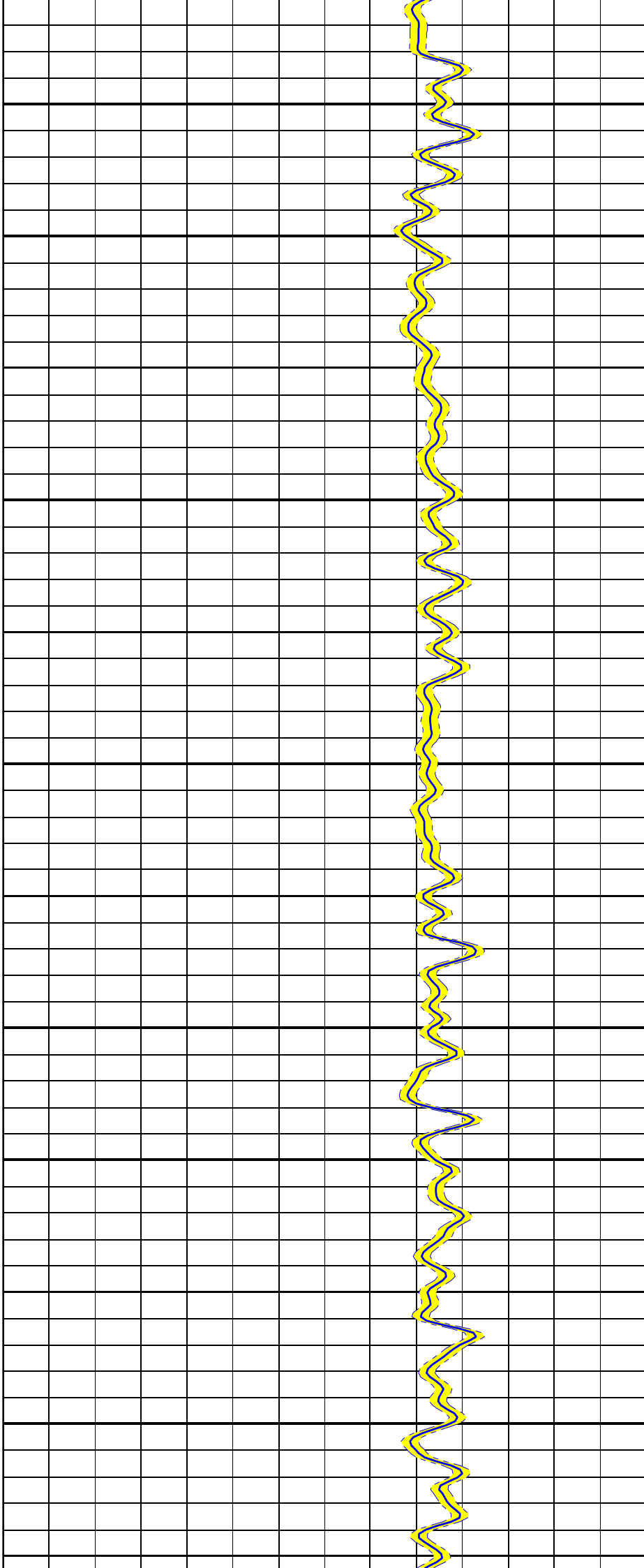
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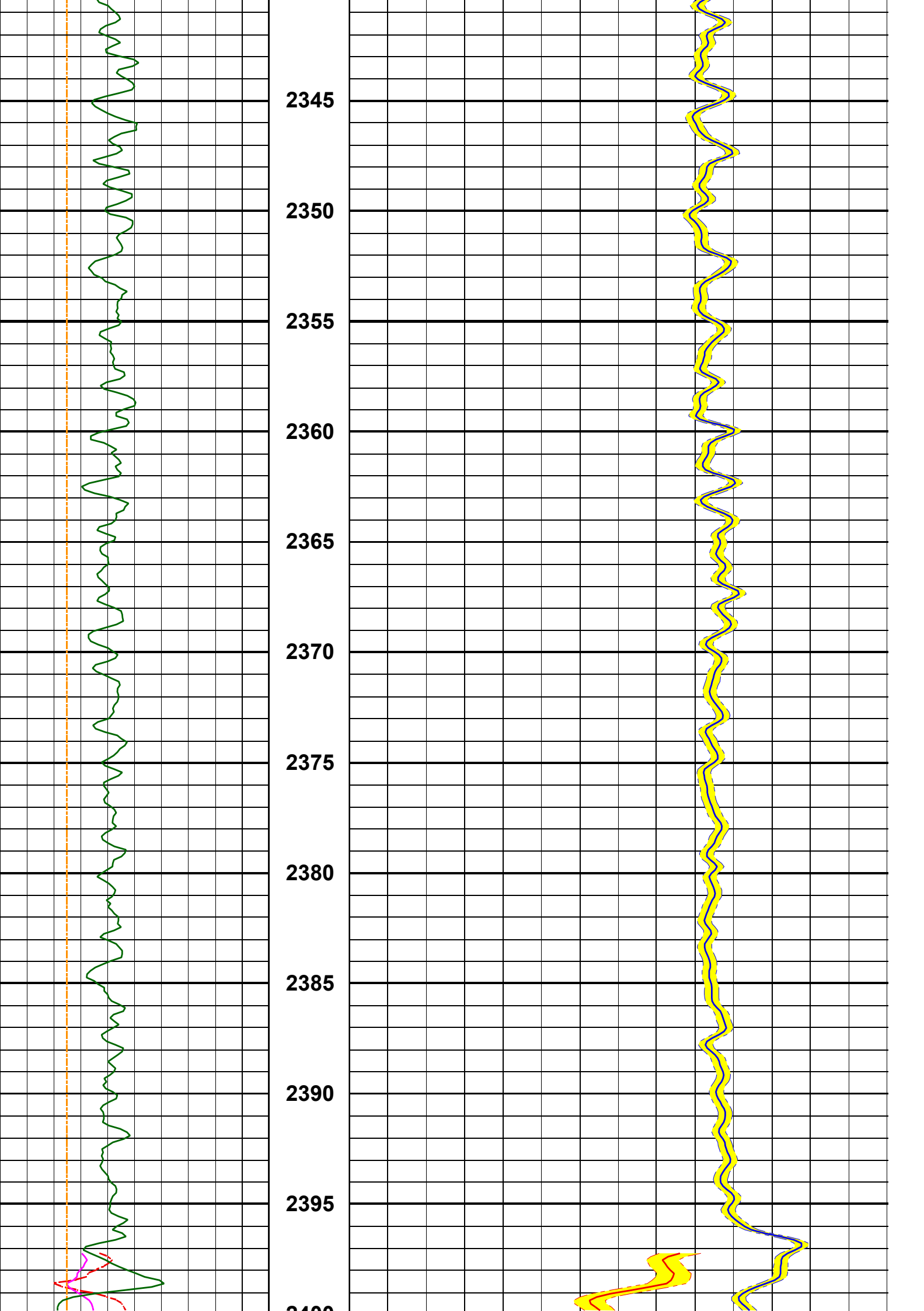
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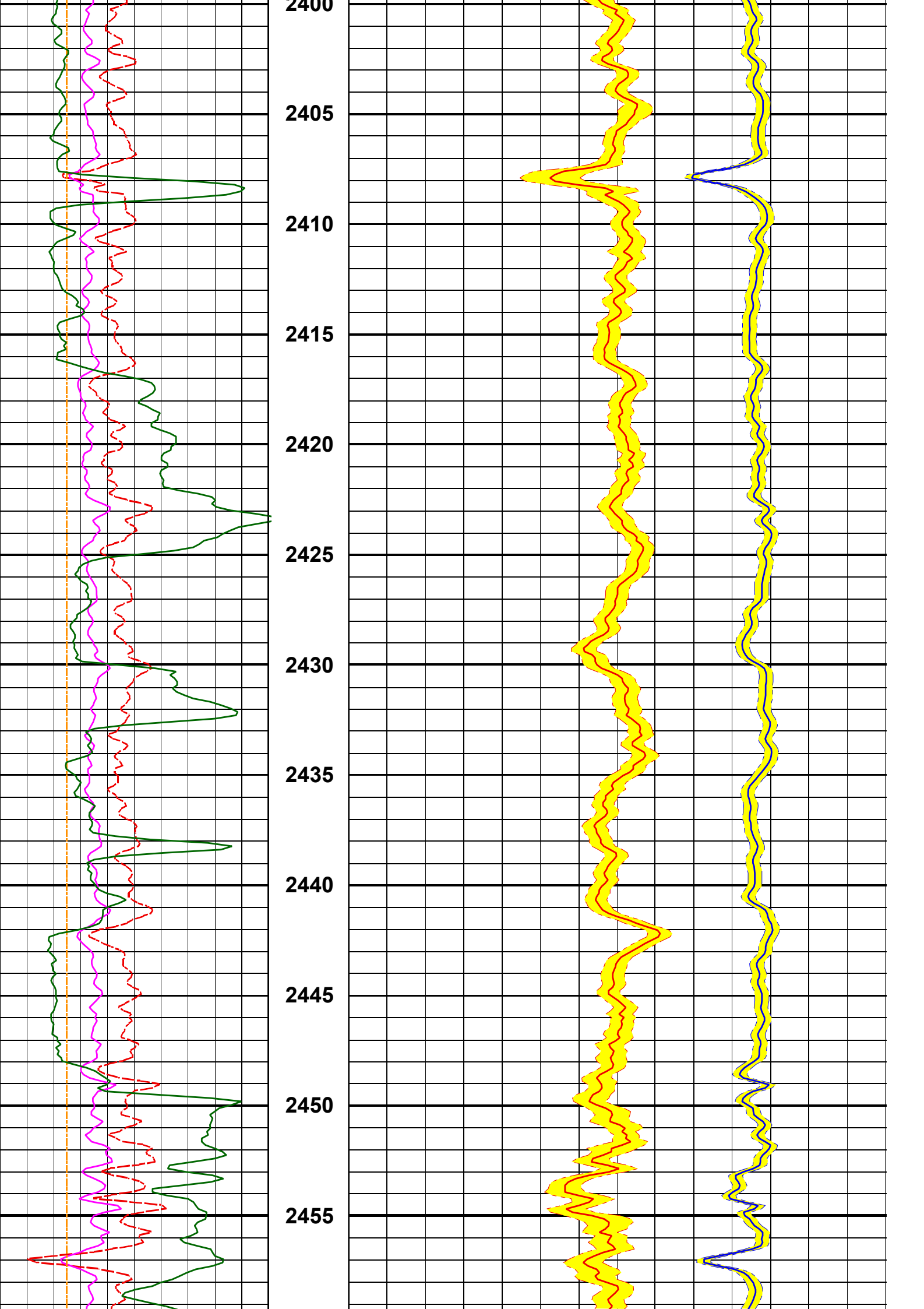
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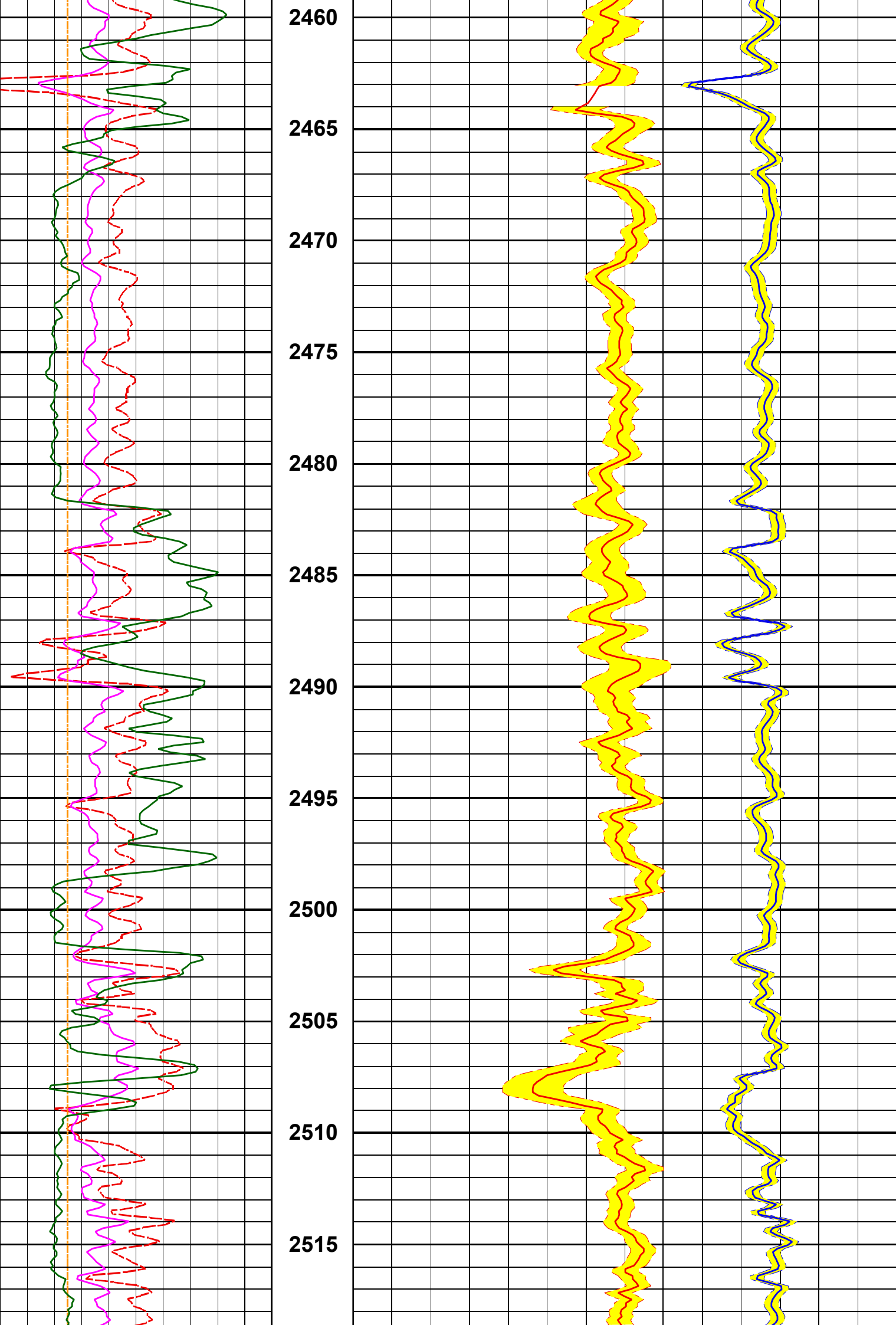
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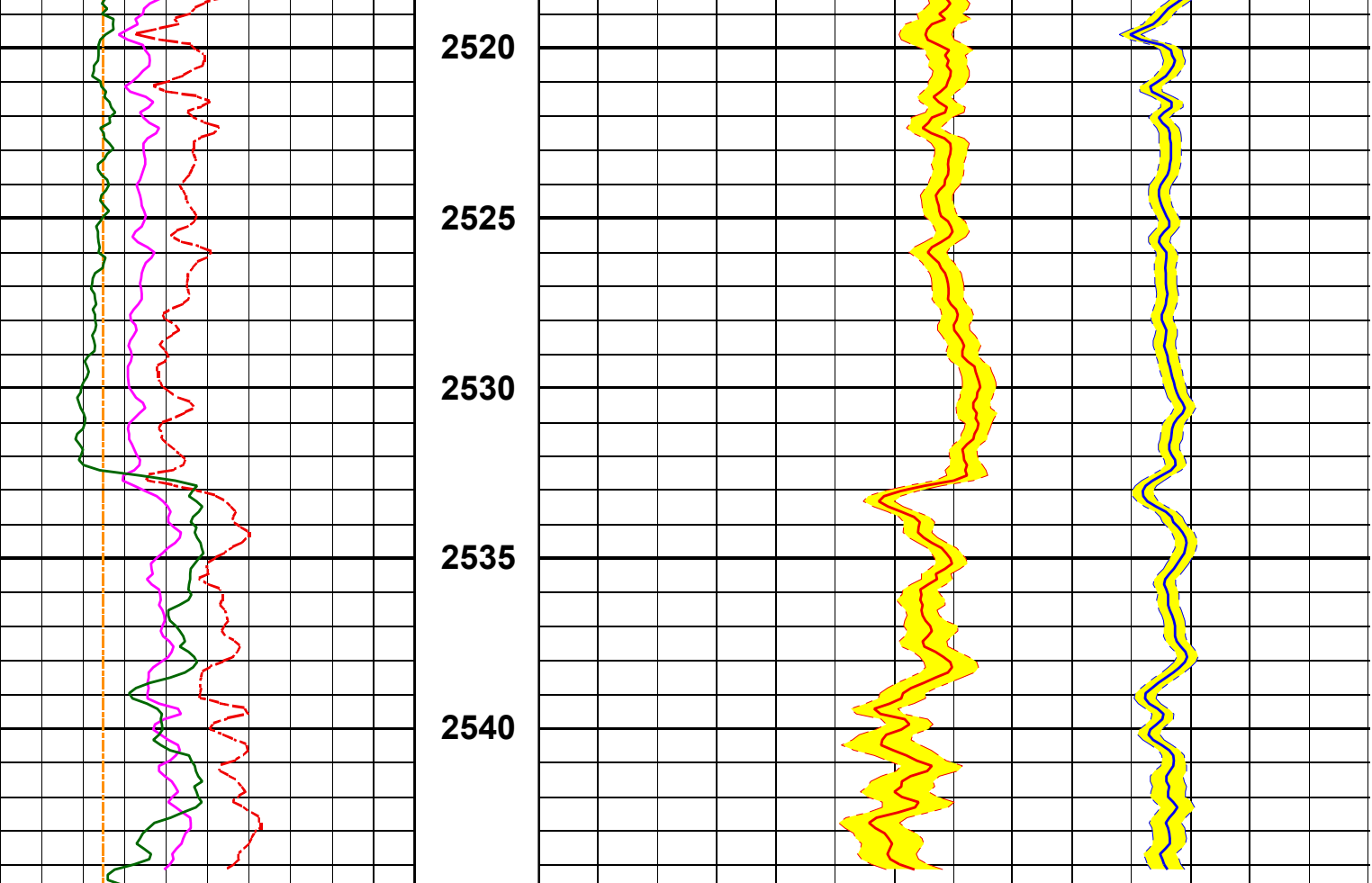
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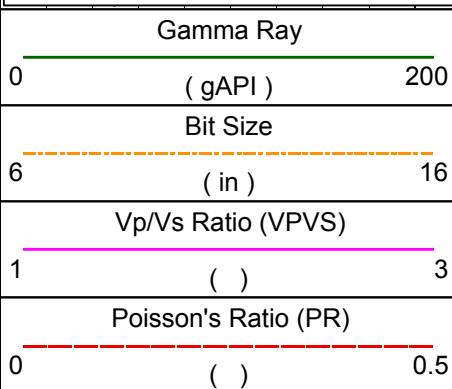




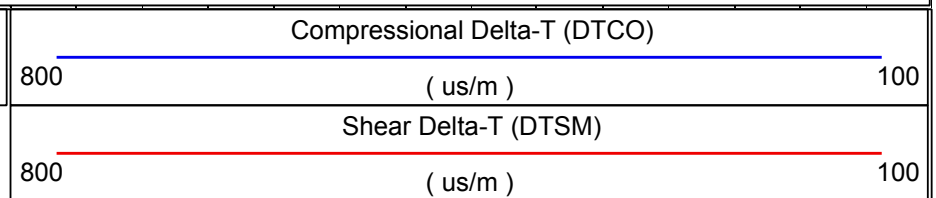


--- Finalization Result ---

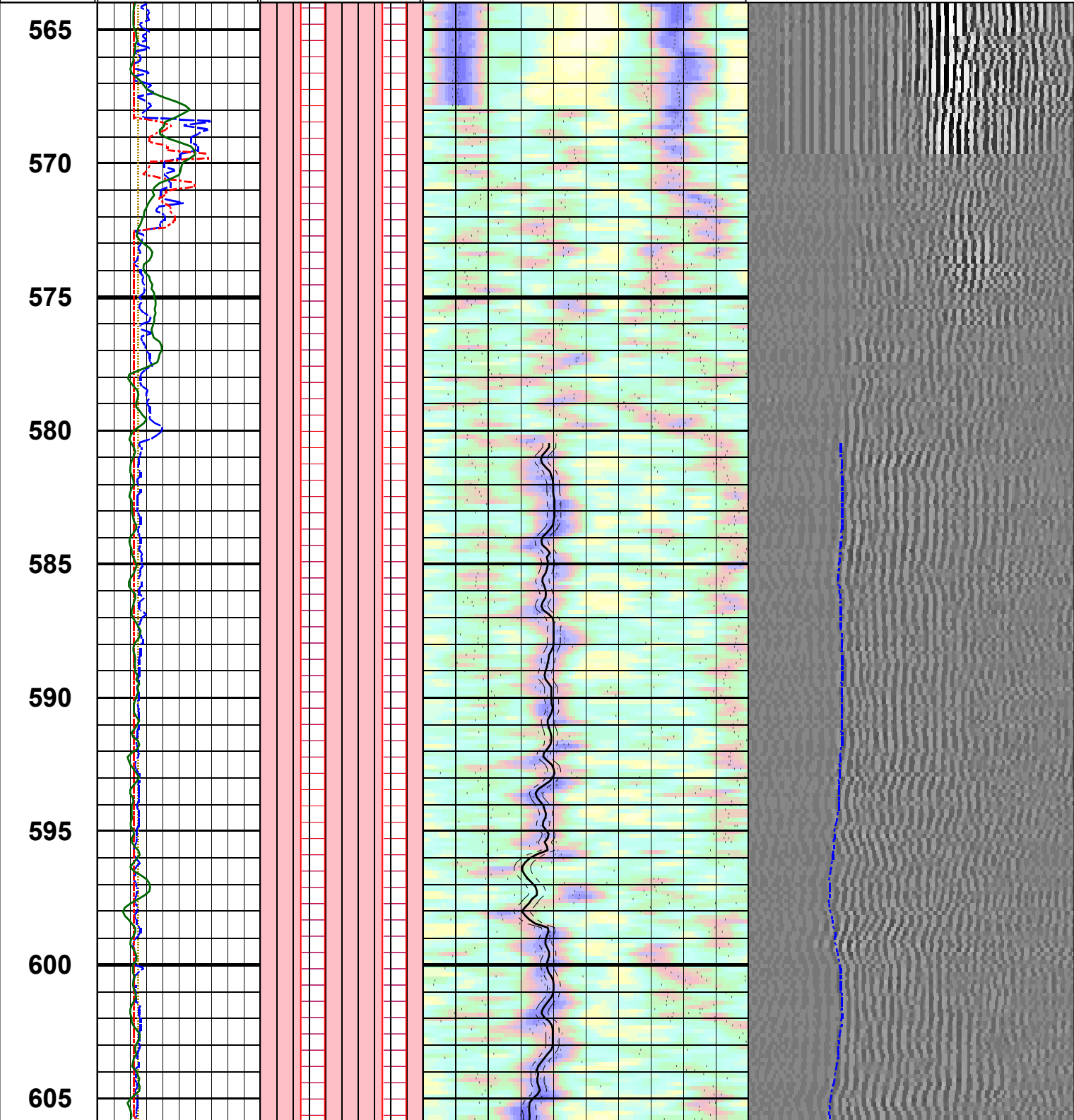
1 MPS Compressional	Receiver	Absent levels= 452
1 MPS Compressional	Transmitter	Absent levels= 427
2 MPS Compressional	Receiver	Absent levels=13318
2 MPS Compressional	Transmitter	Absent levels=13314
1 MPS Shear	Receiver	Absent levels=13318
1 MPS Shear	Transmitter	Absent levels=13314
2 MPS Shear	Receiver	Absent levels= 5628
2 MPS Shear	Transmitter	Absent levels= 5709
1 MPS Compressional	DDBHC	Absent levels= 451 *Selected*
2 MPS Compressional	DDBHC	Absent levels=13338
1 MPS Shear	DDBHC	Absent levels=13338
2 MPS Shear	DDBHC	Absent levels= 5217 *Selected*

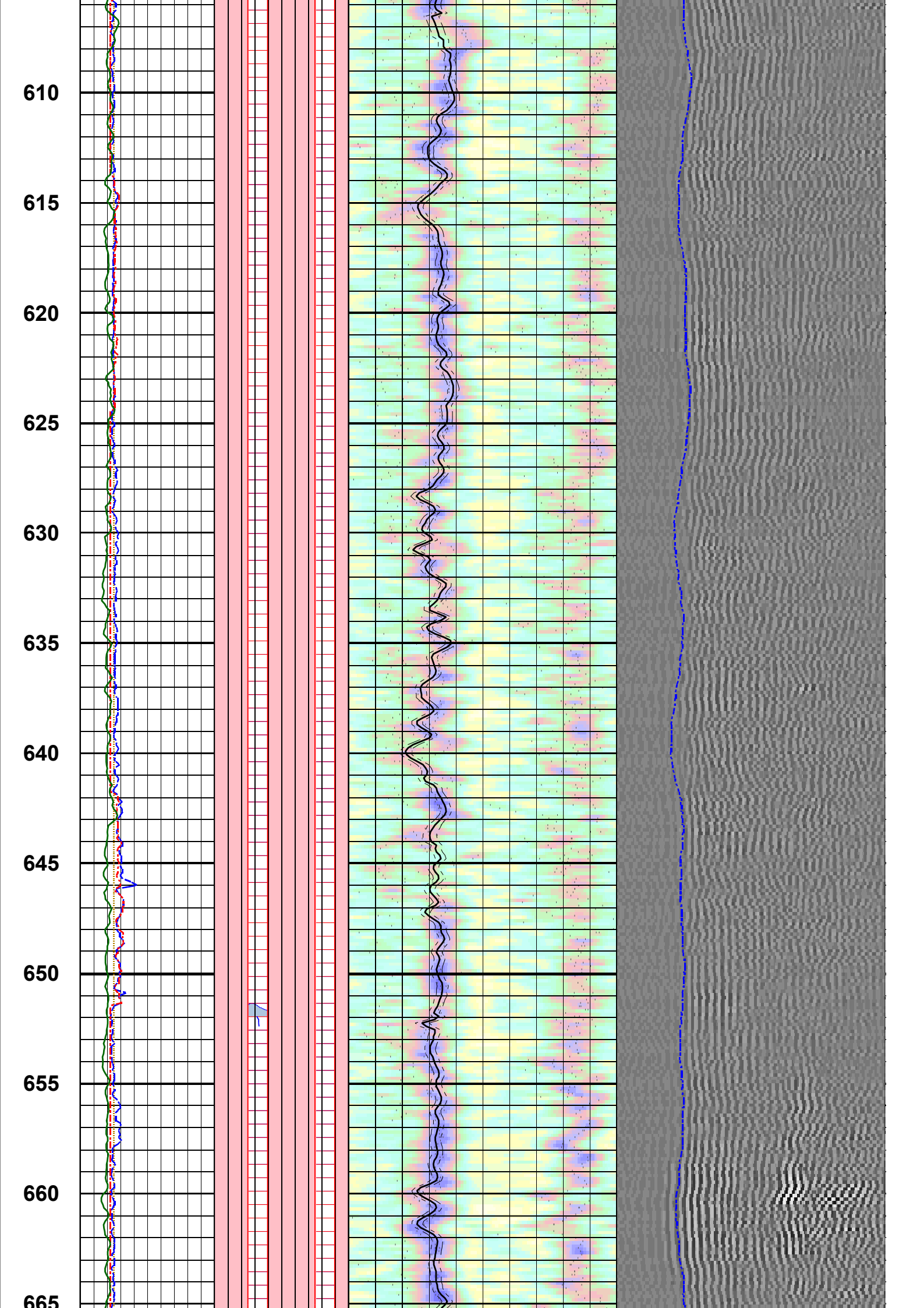


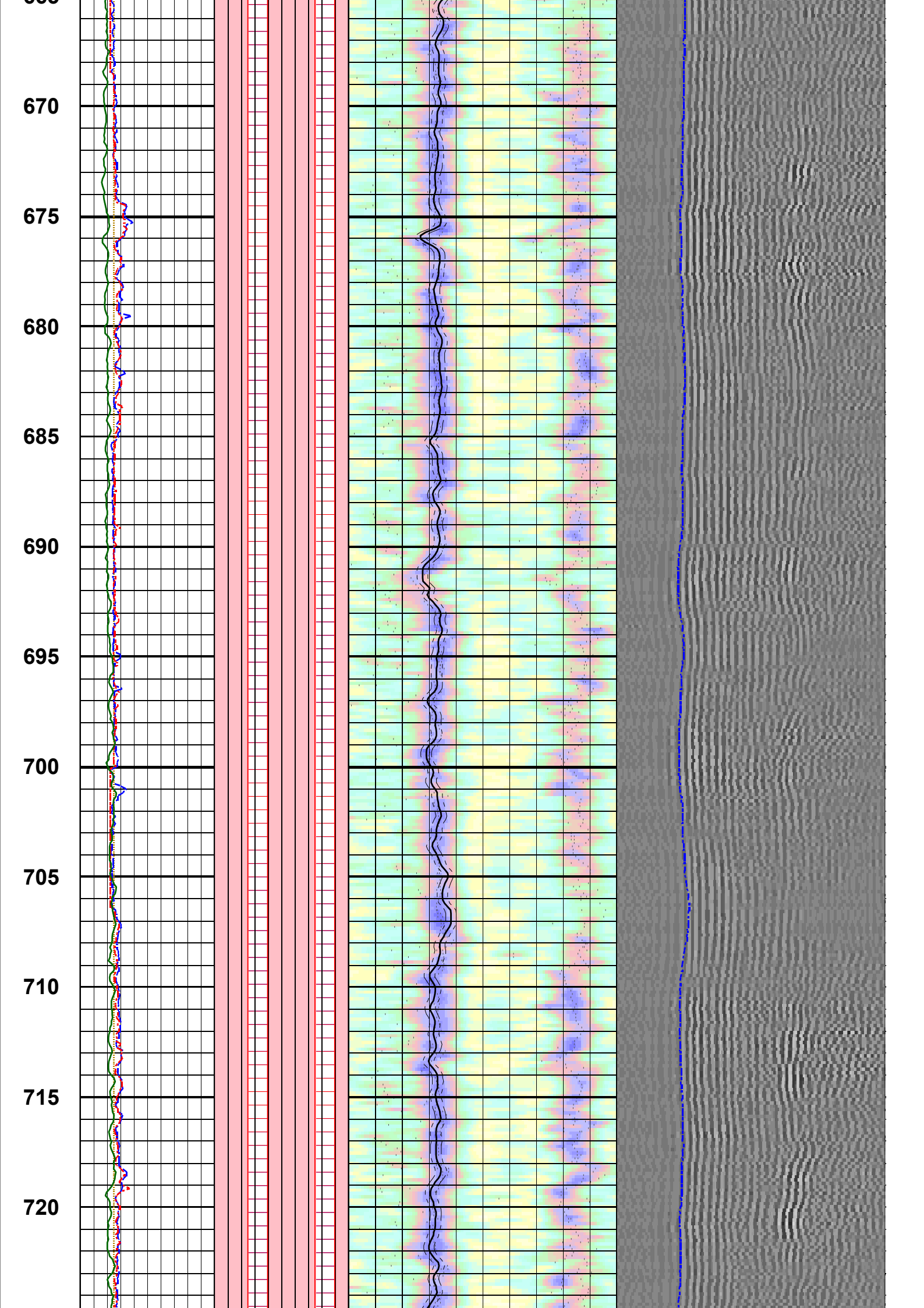
MD
1 : 200
m



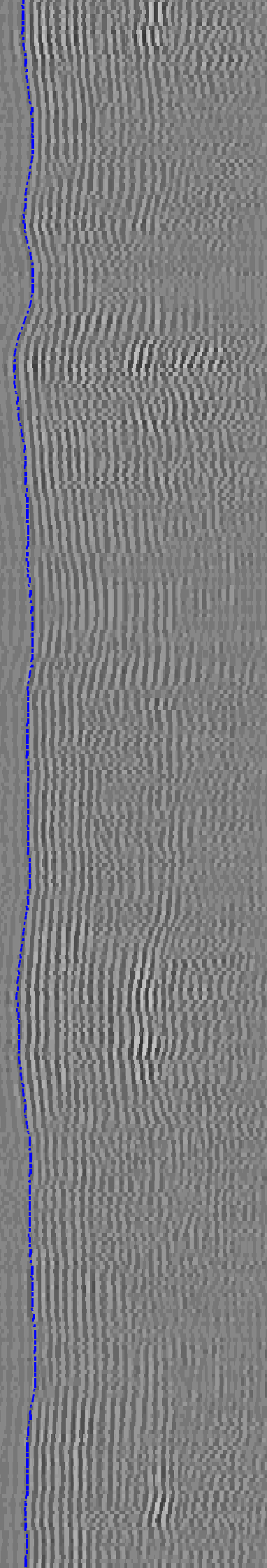
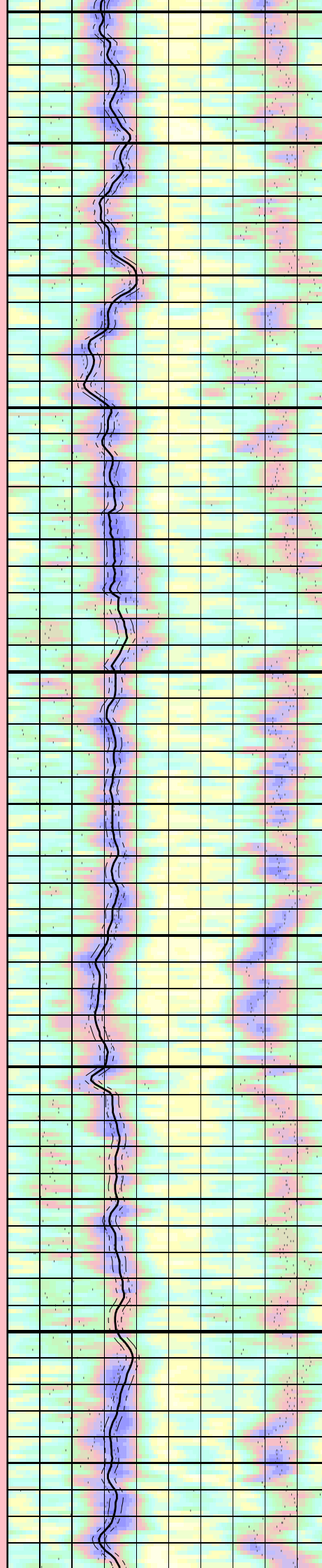
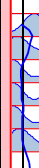
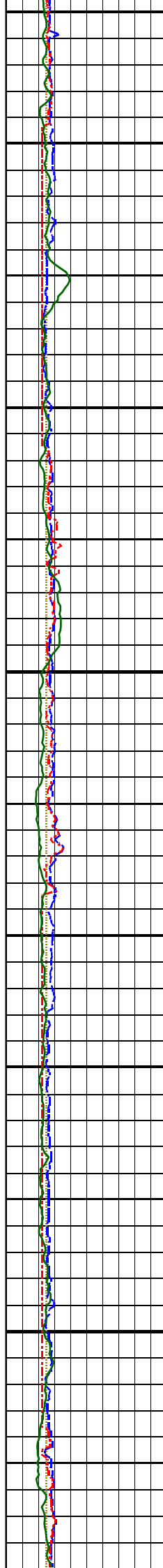
MD 1 : 200 m	Compressional Processing QCI			WF VDL <div><div></div></div>		
	Bit Size <div><div></div></div> 6 (in) 16	SpcRC <div><div></div></div> 0 (Hz) 40000	400 (us) 3378			
	Caliper1 <div><div></div></div> 6 (in) 16	SpcRS <div><div></div></div> -20000 (Hz) 20000	TICS <div><div></div></div> 400 (us) 3378			
	Caliper2 <div><div></div></div> 6 (in) 16	CfRC <div><div></div></div> 0 (Hz) 40000	TISS <div><div></div></div> 400 (us) 3378			
	Gamma Ray <div><div></div></div> 0 (gAPI) 200	CfRS <div><div></div></div> -20000 (Hz) 20000	STPrjR <div><div></div></div> 130 (us/m) 780			
			DtRC <div><div></div></div> 130 (us/m) 780			
			DtRS <div><div></div></div> 130 (us/m) 780			







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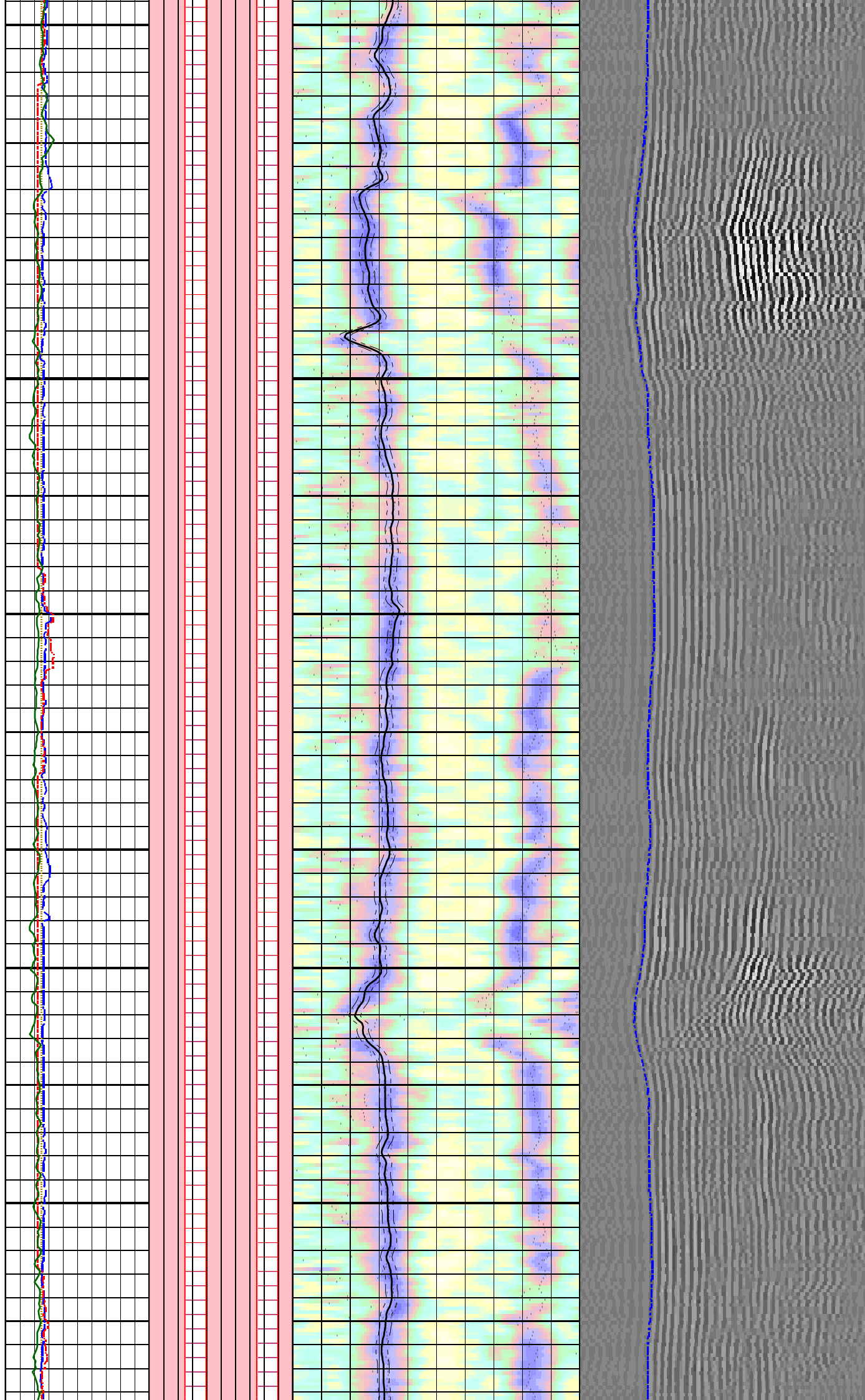
820

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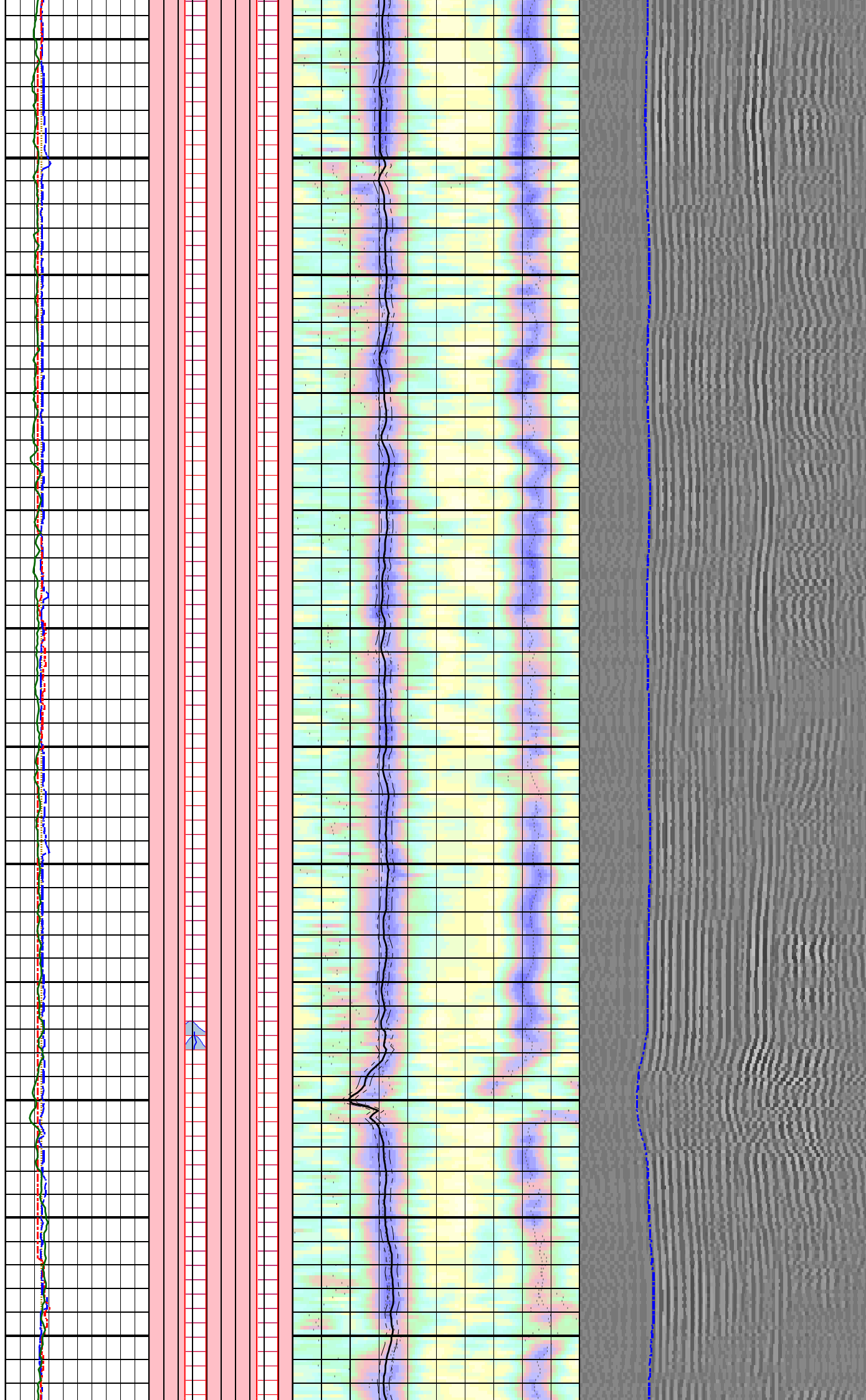
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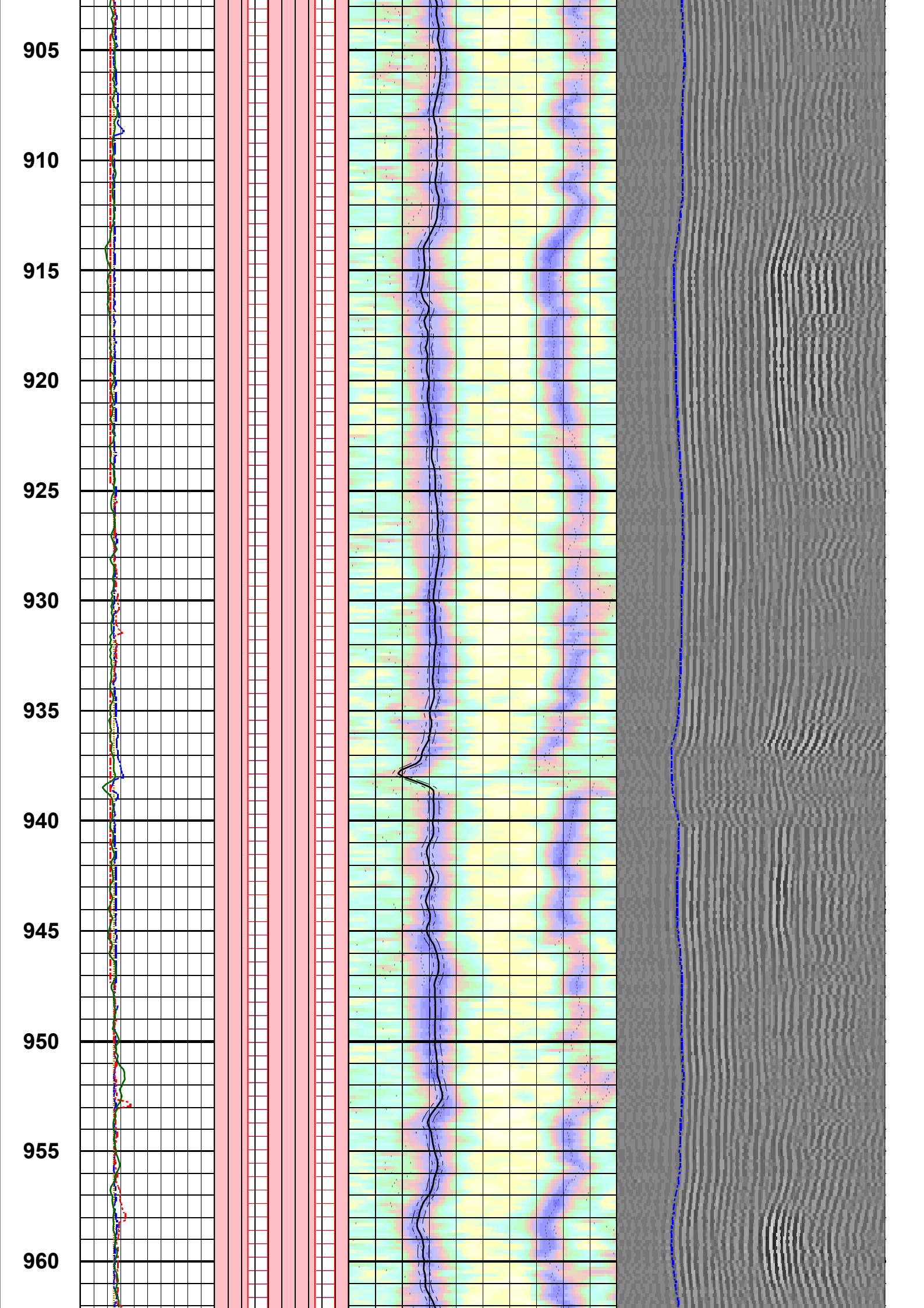
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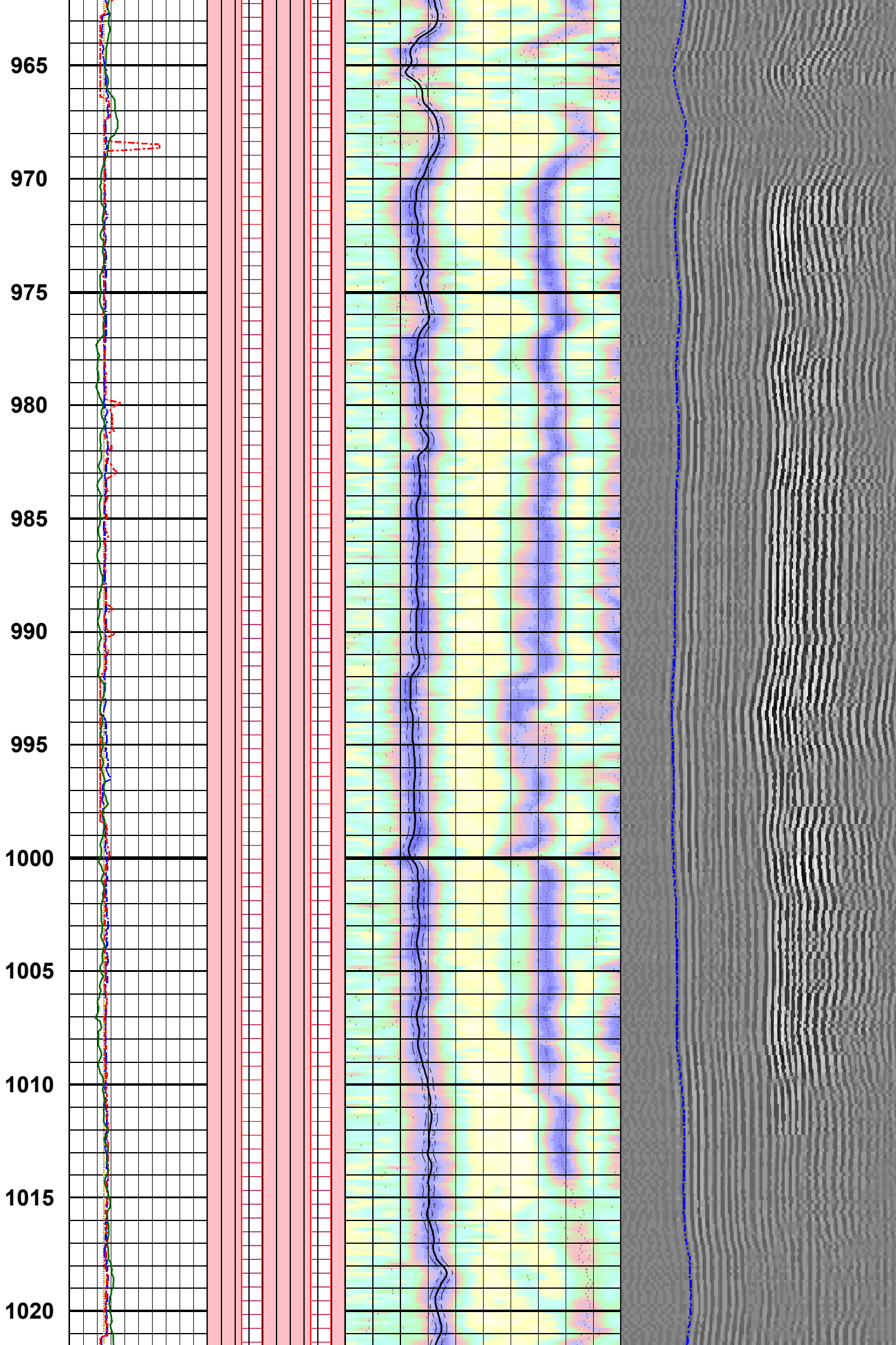
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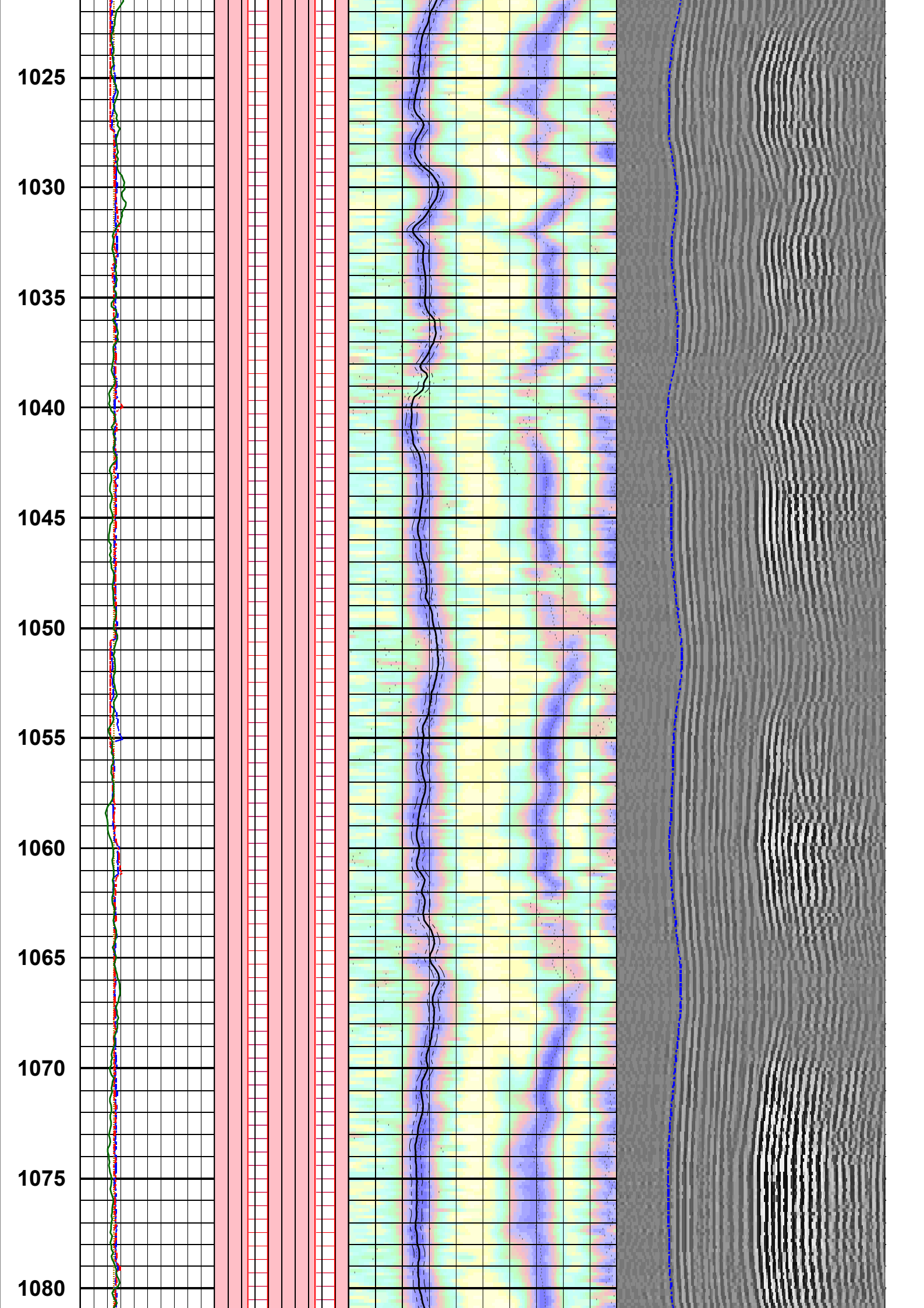
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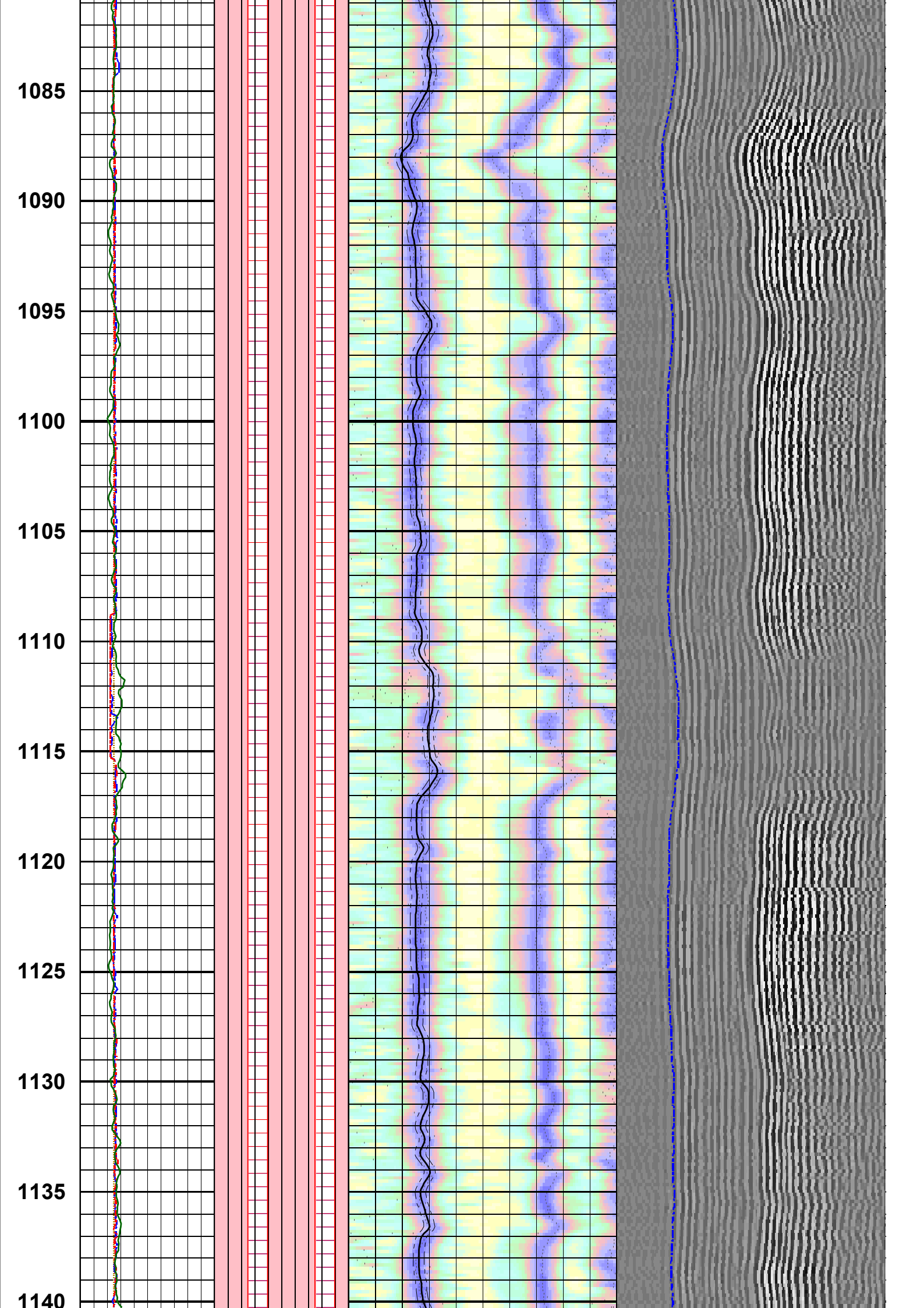
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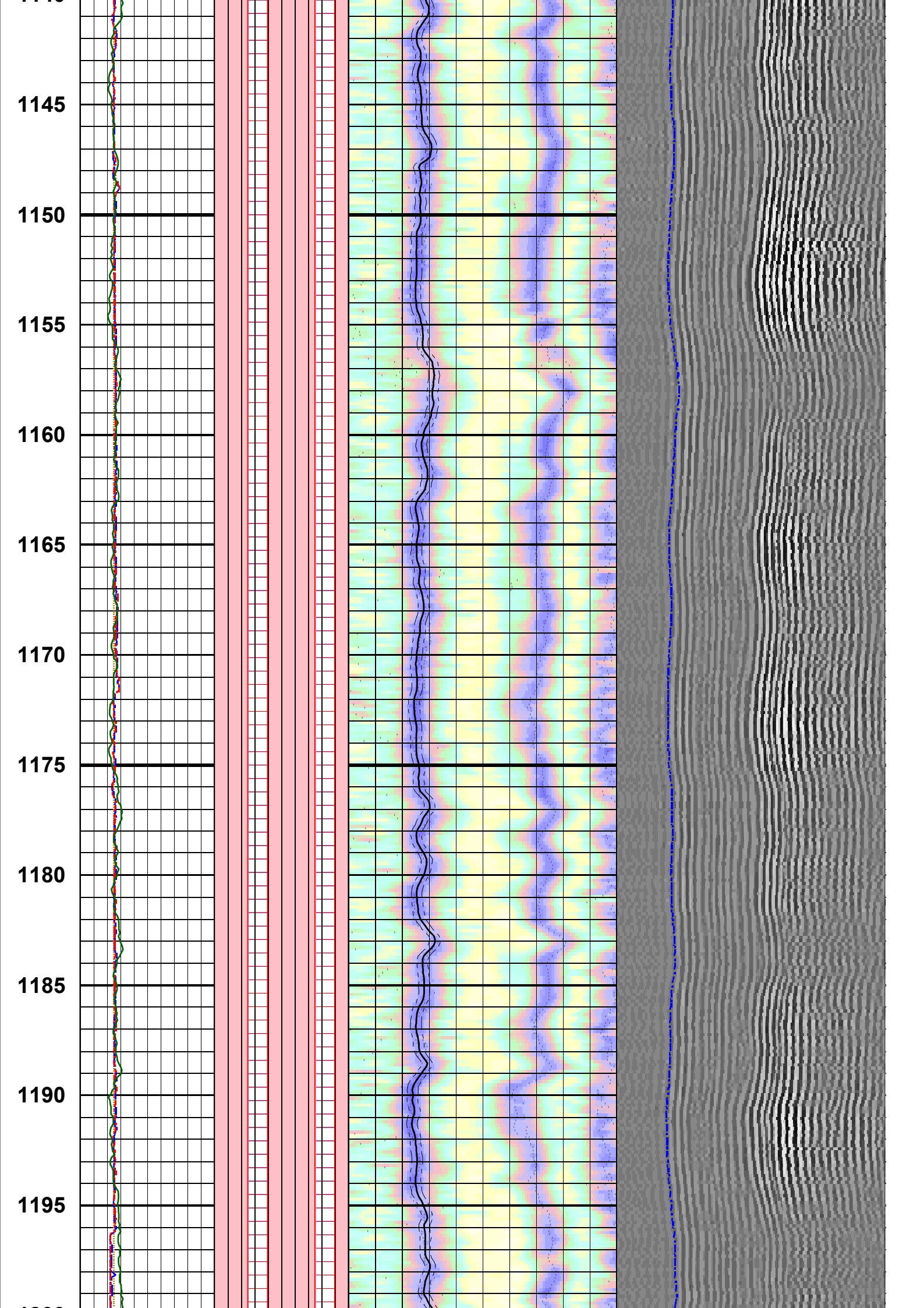


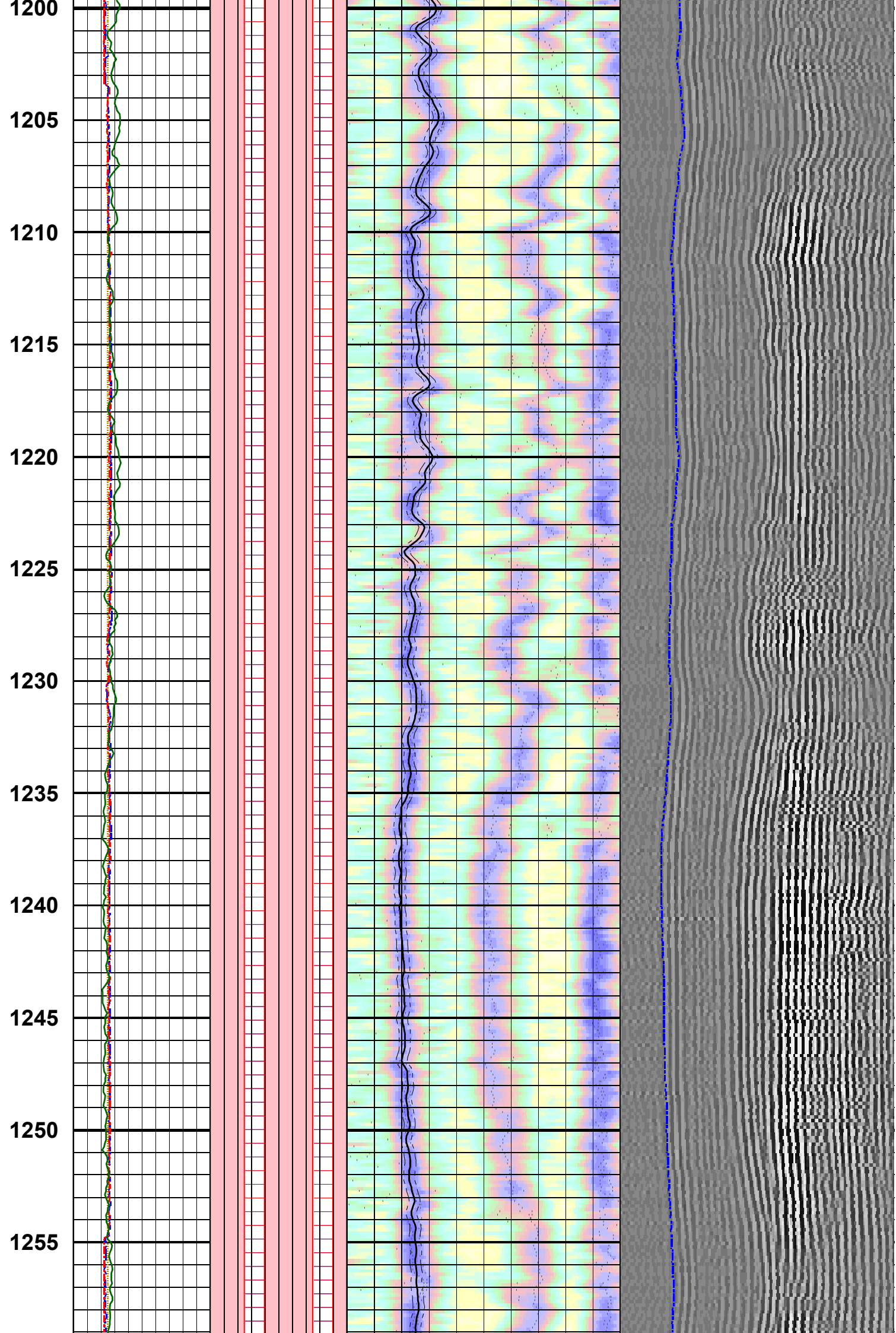


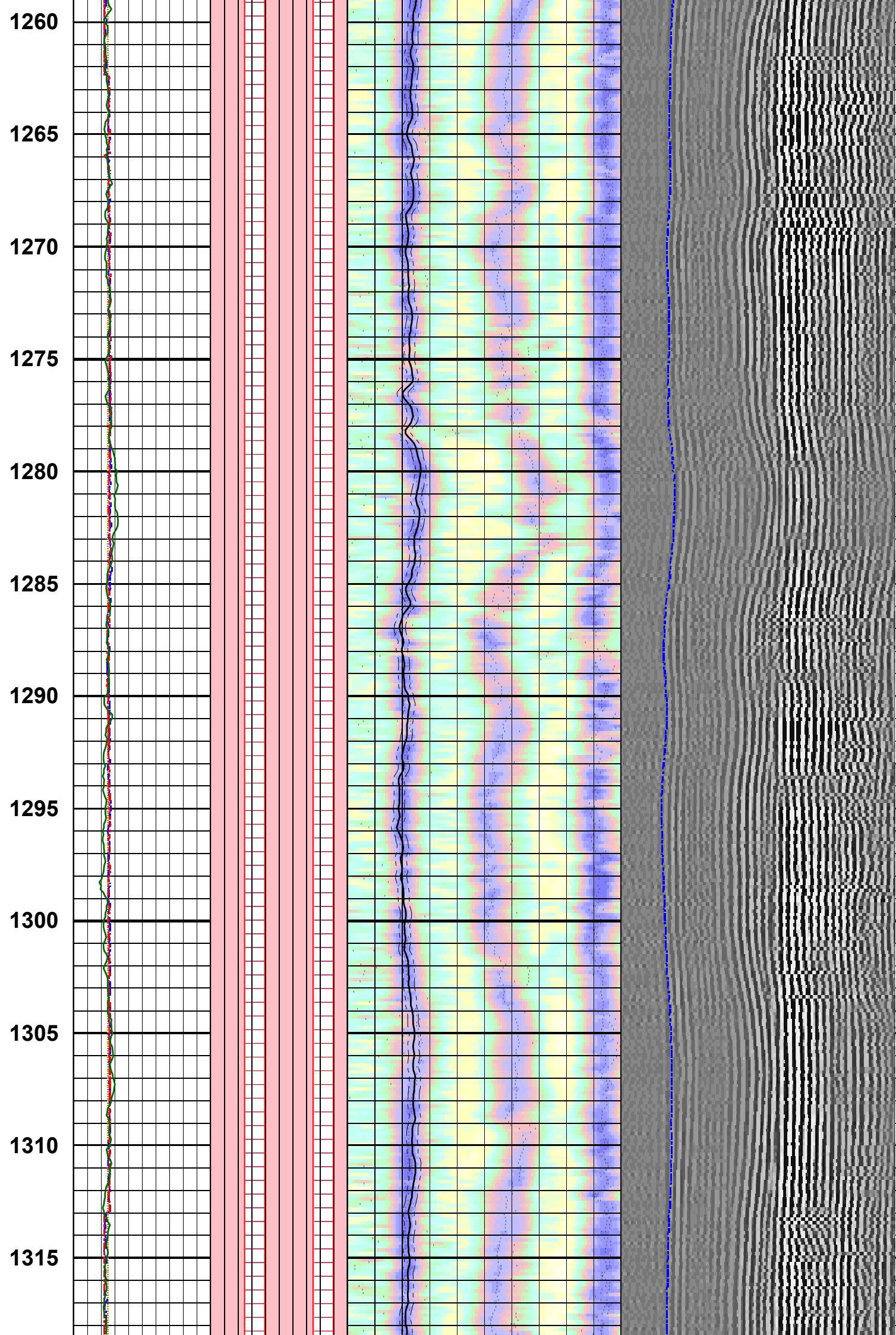


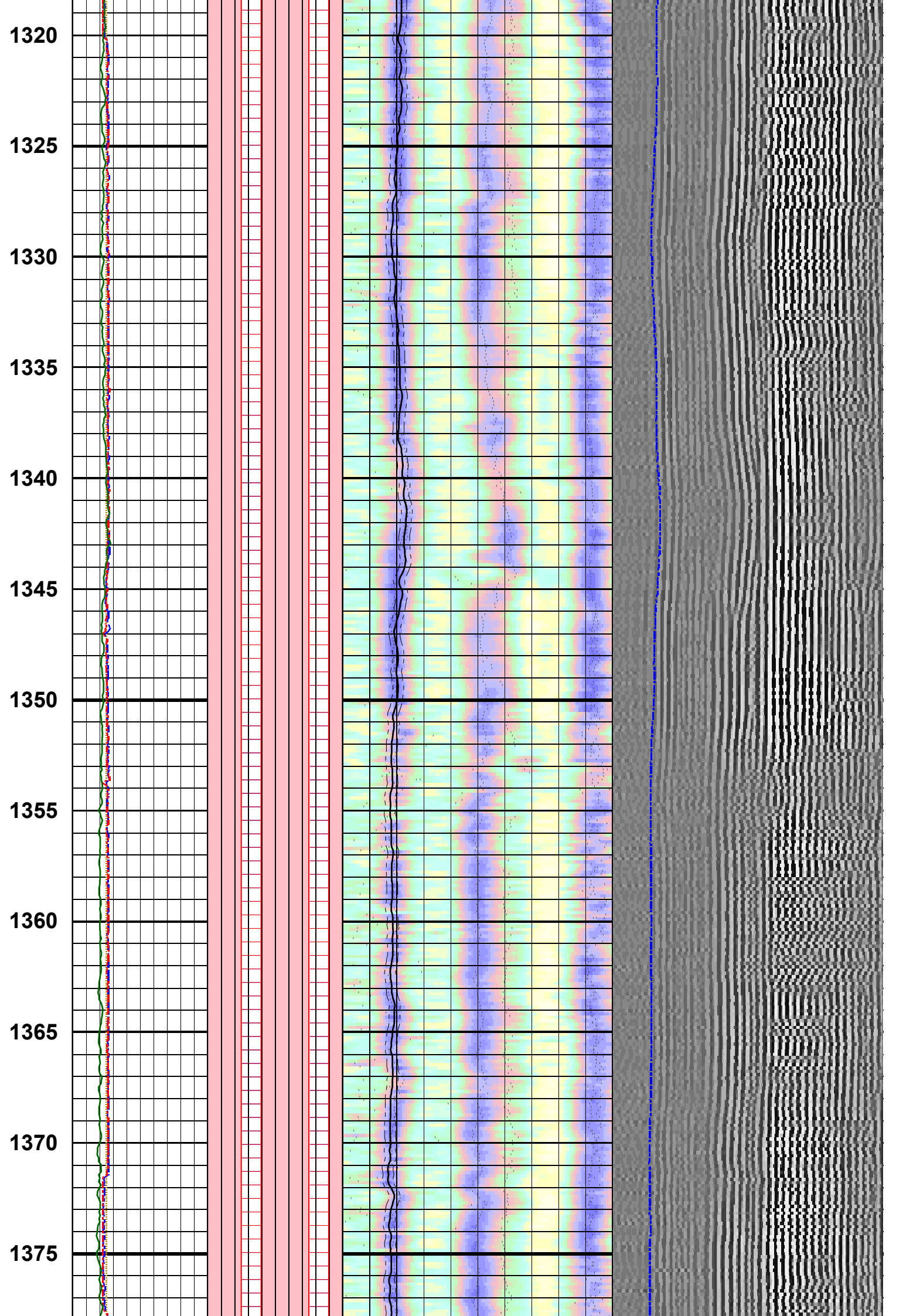


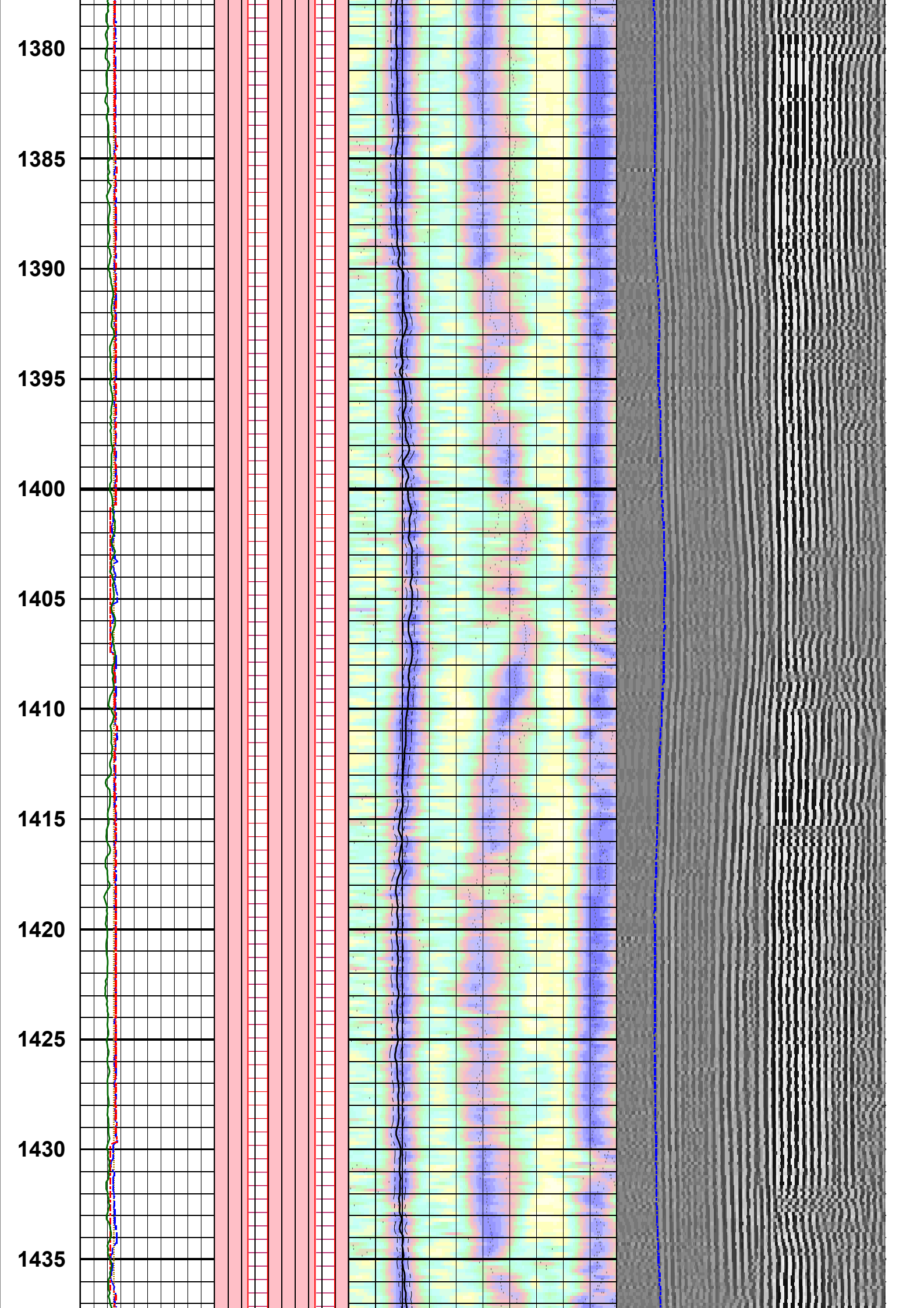


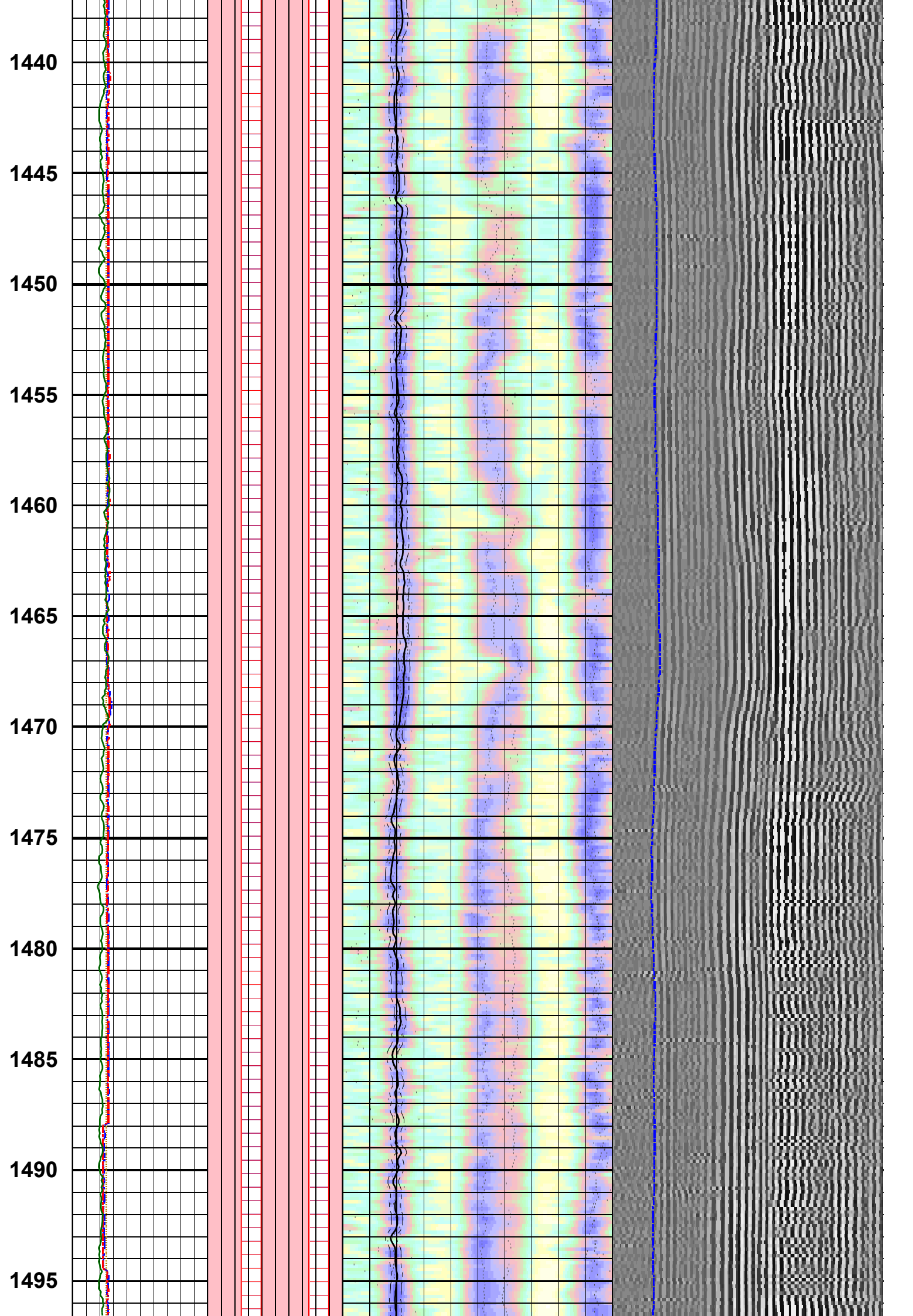


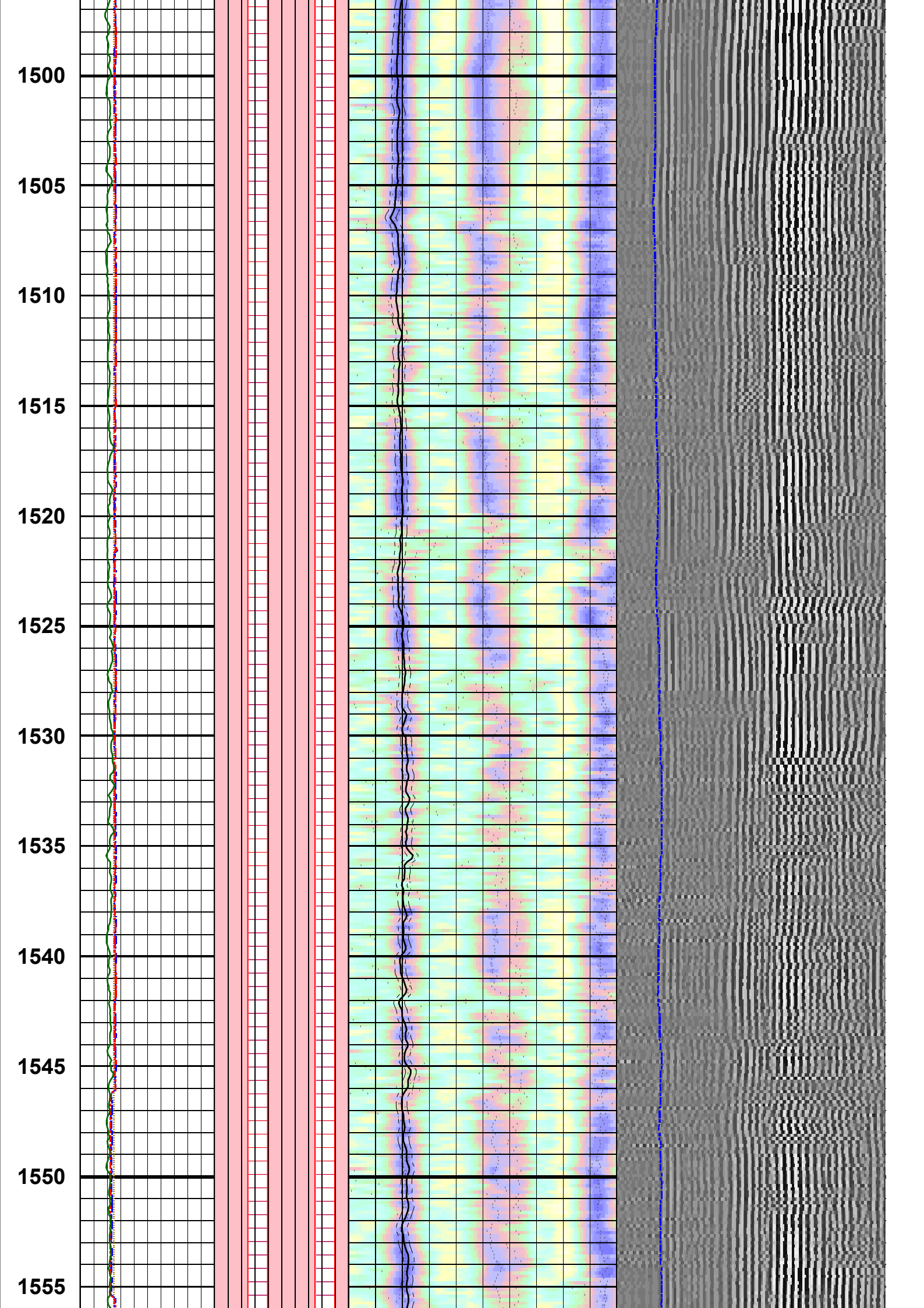


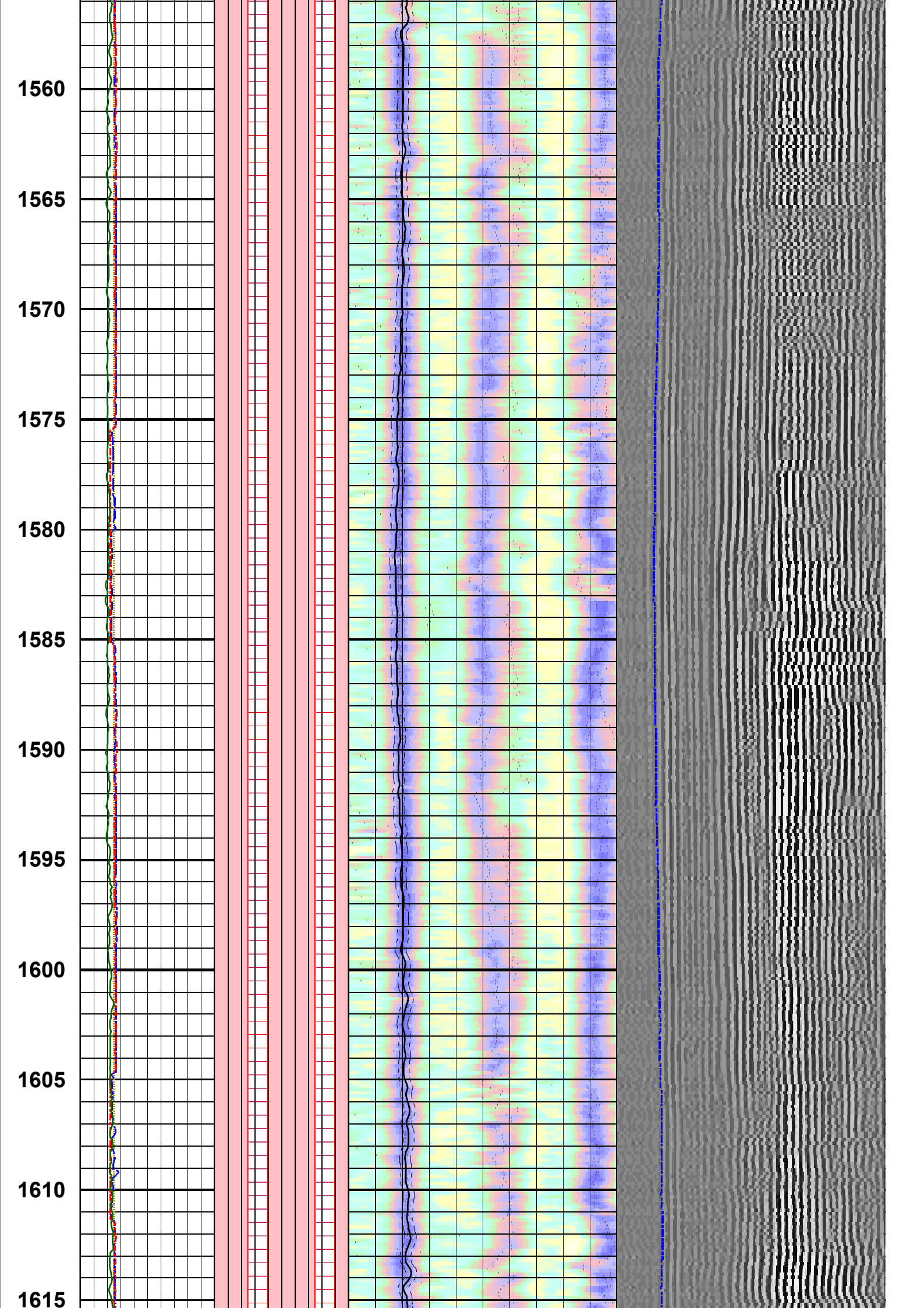


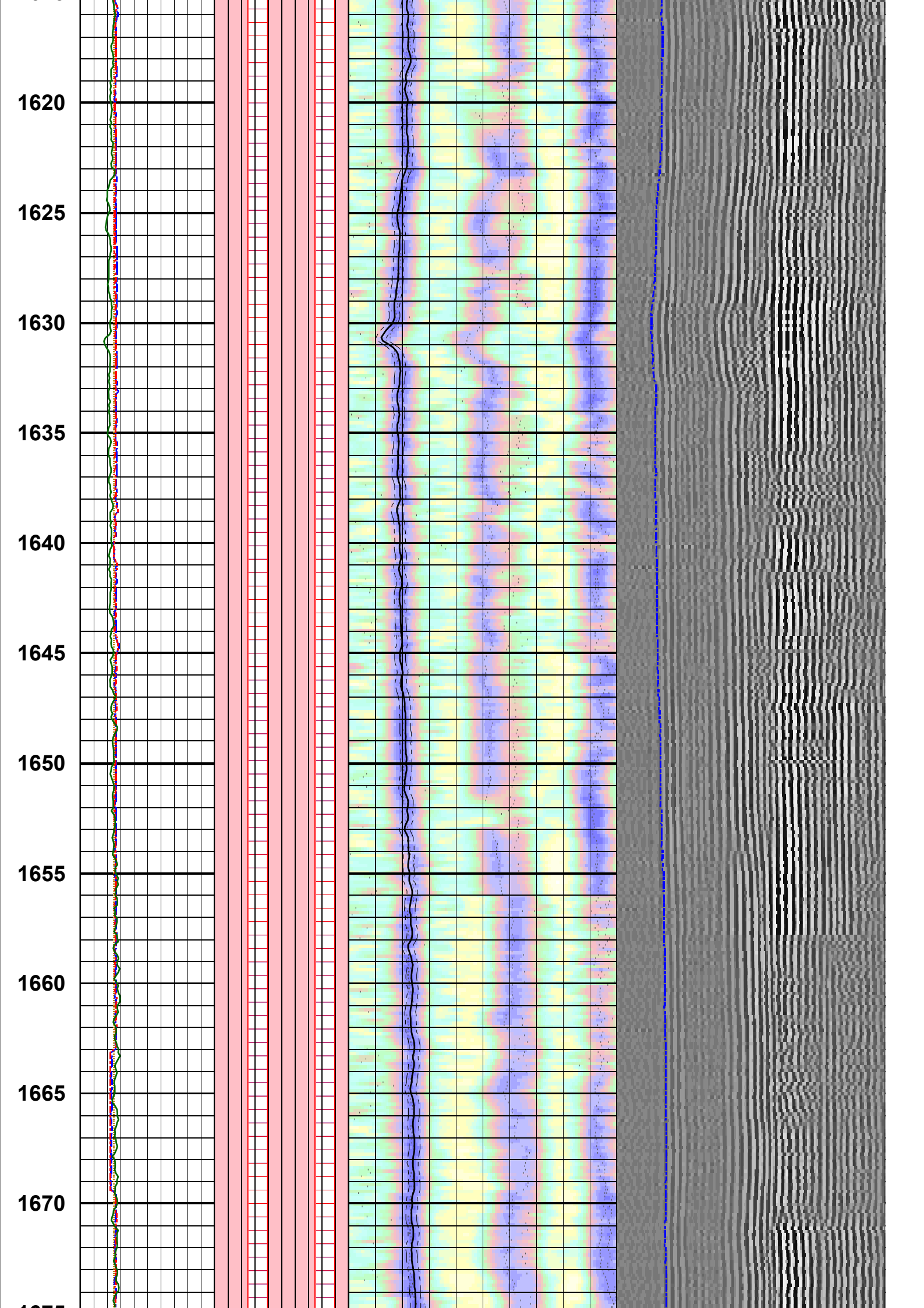


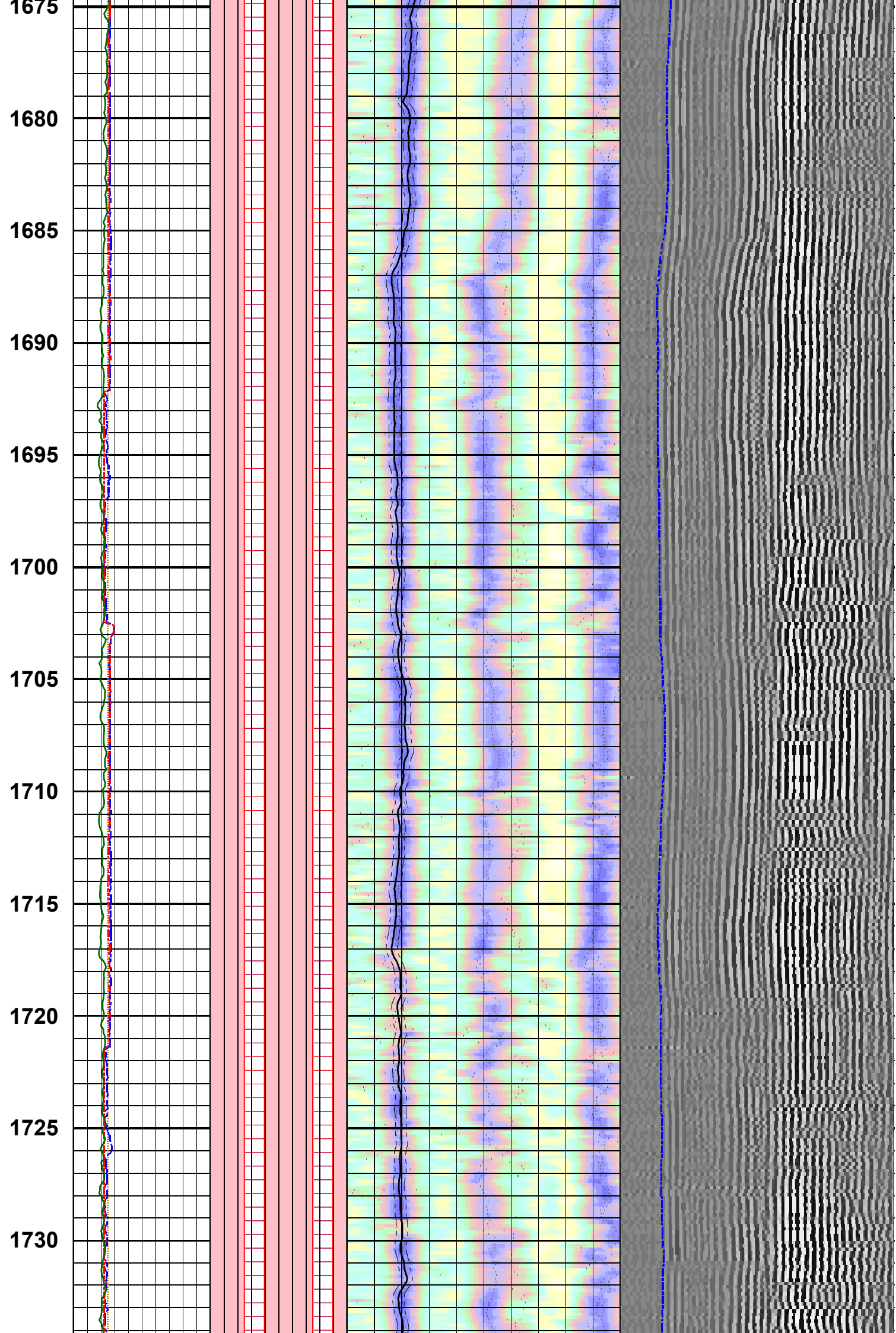


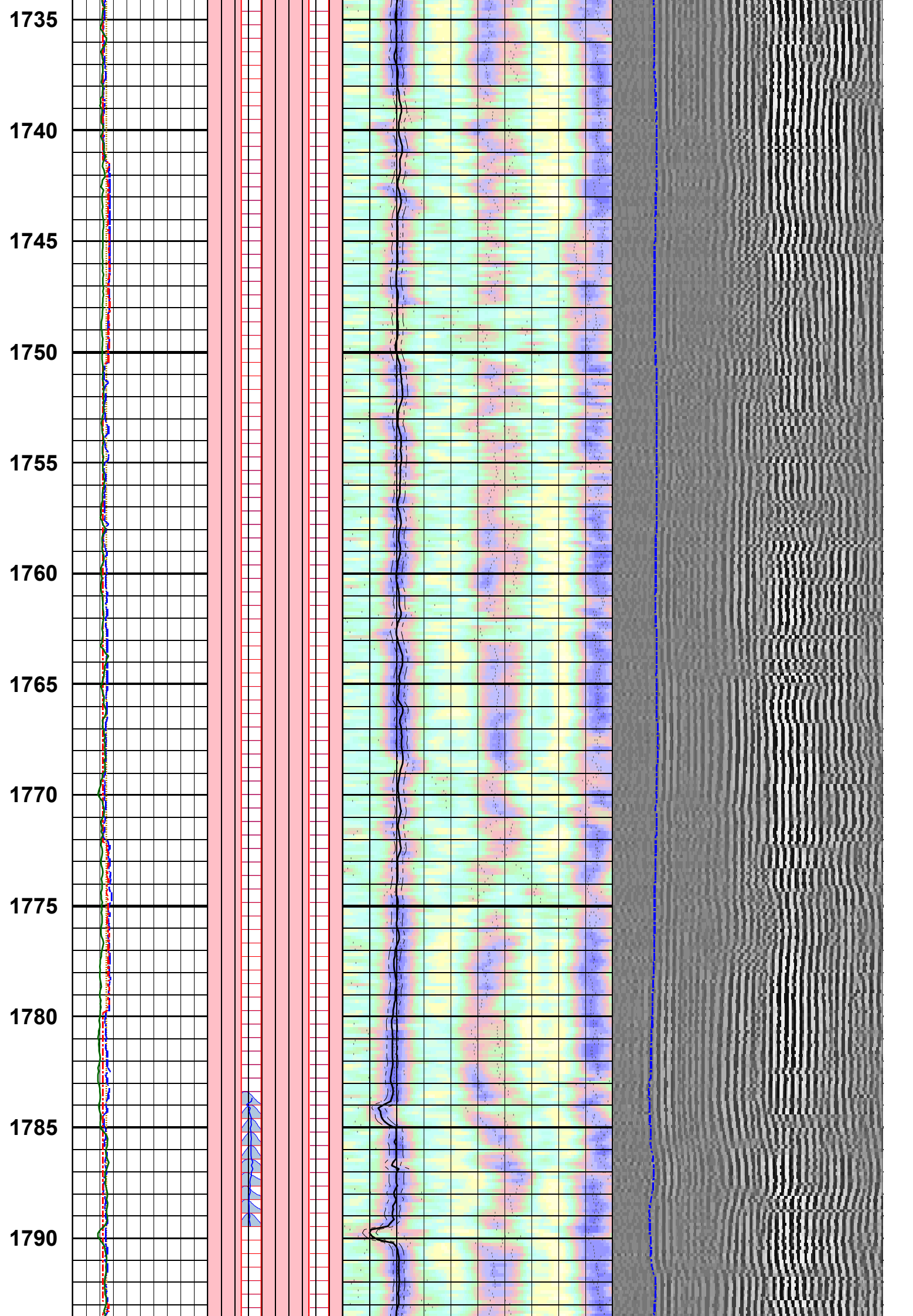


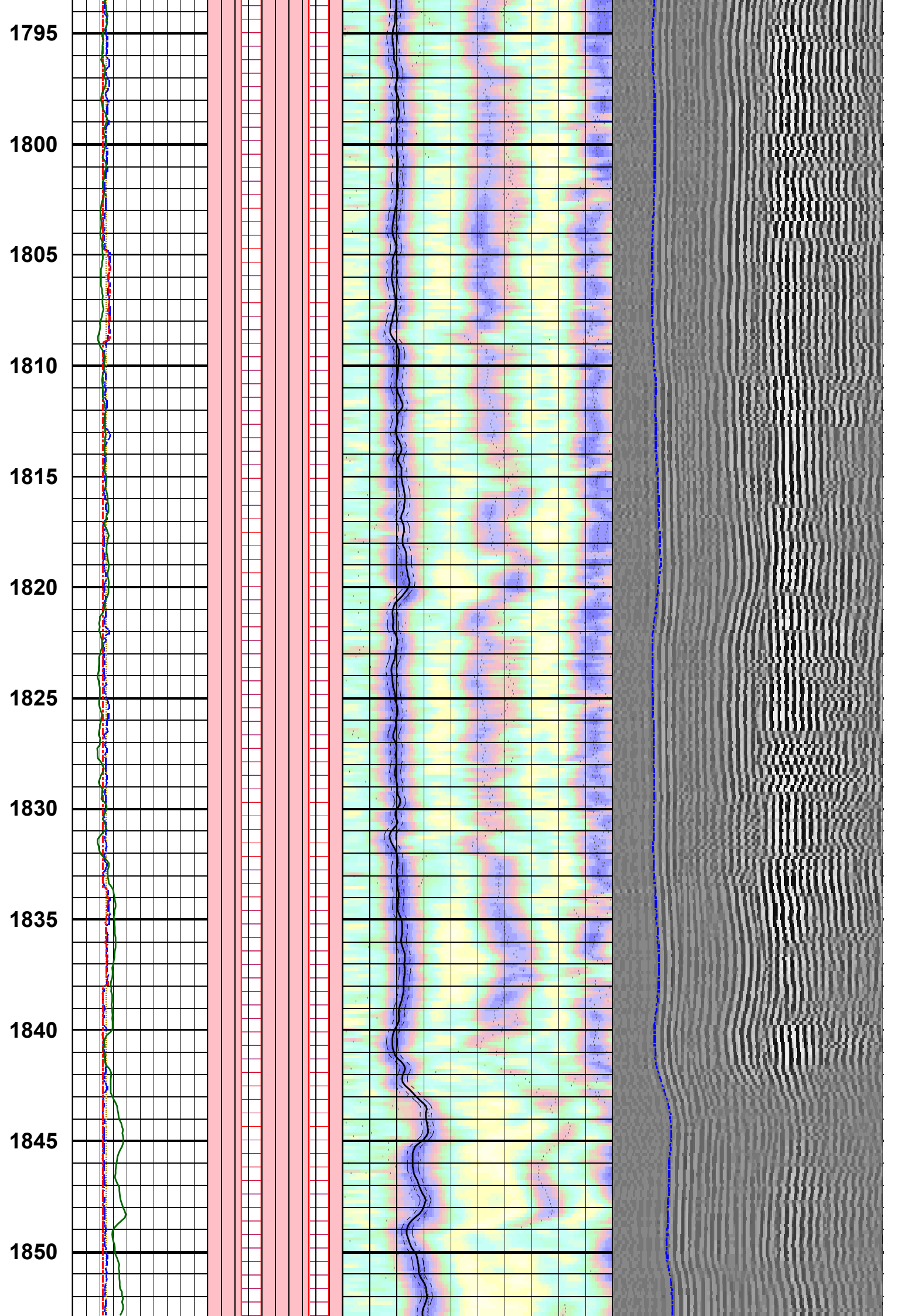


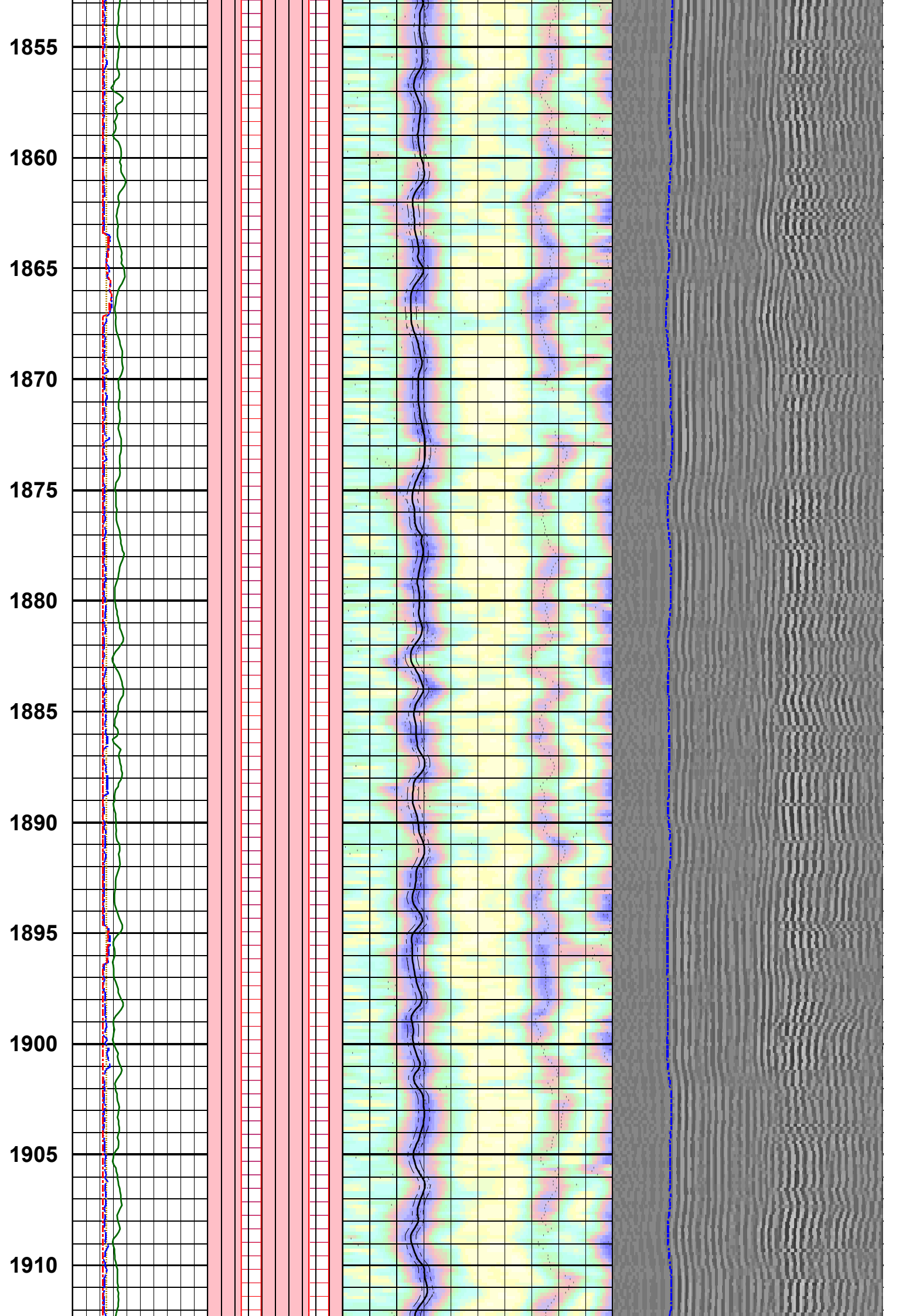


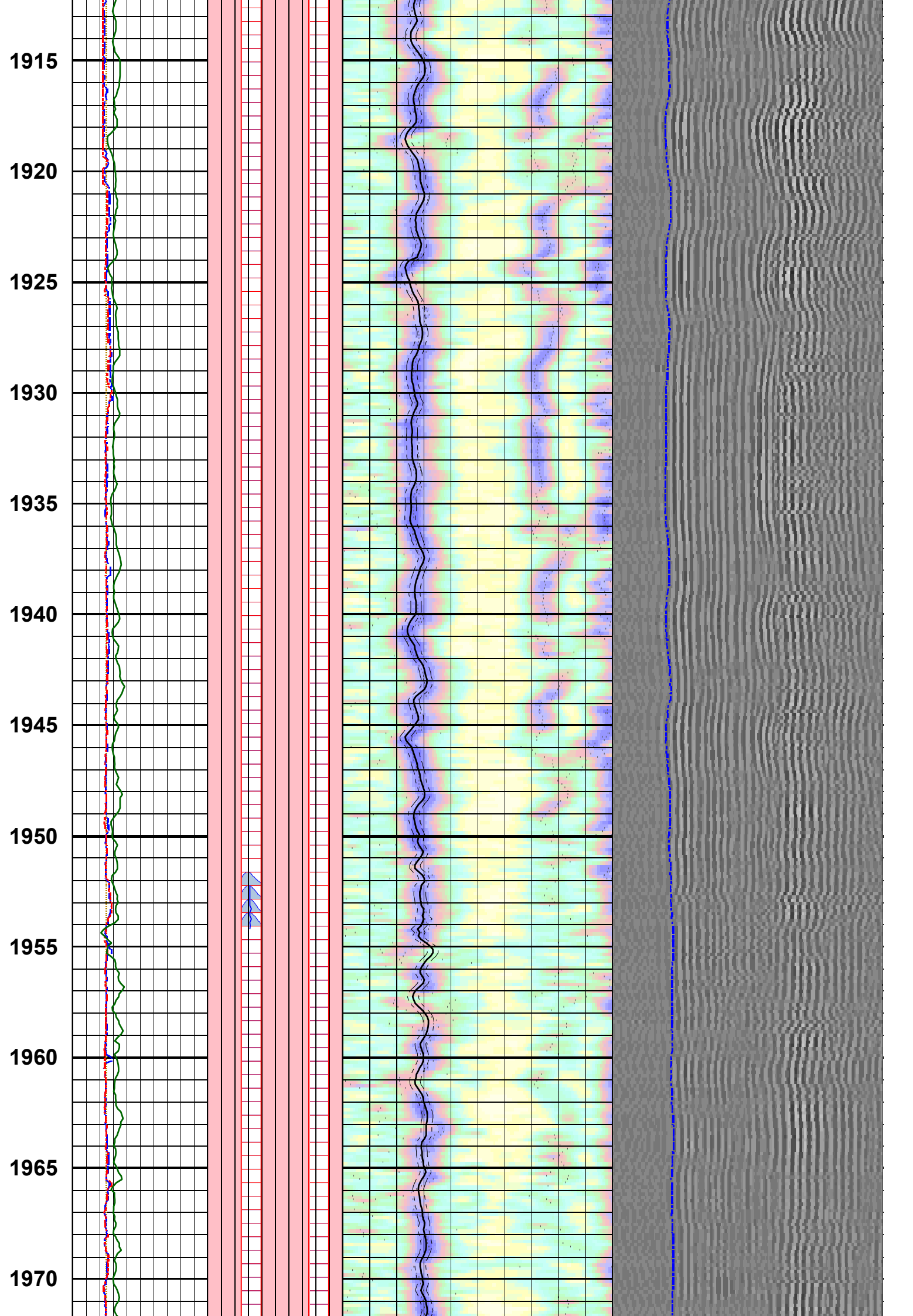


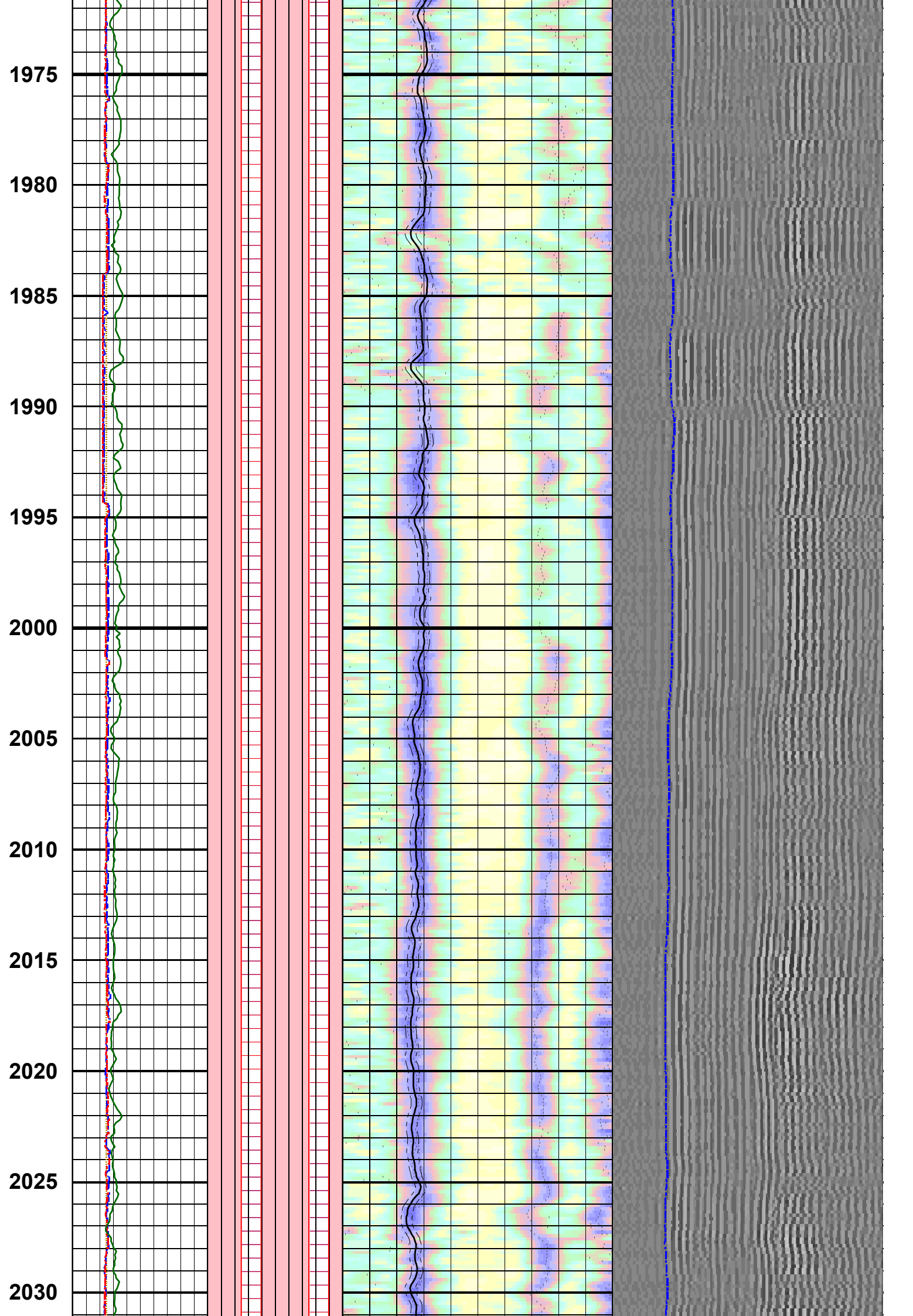












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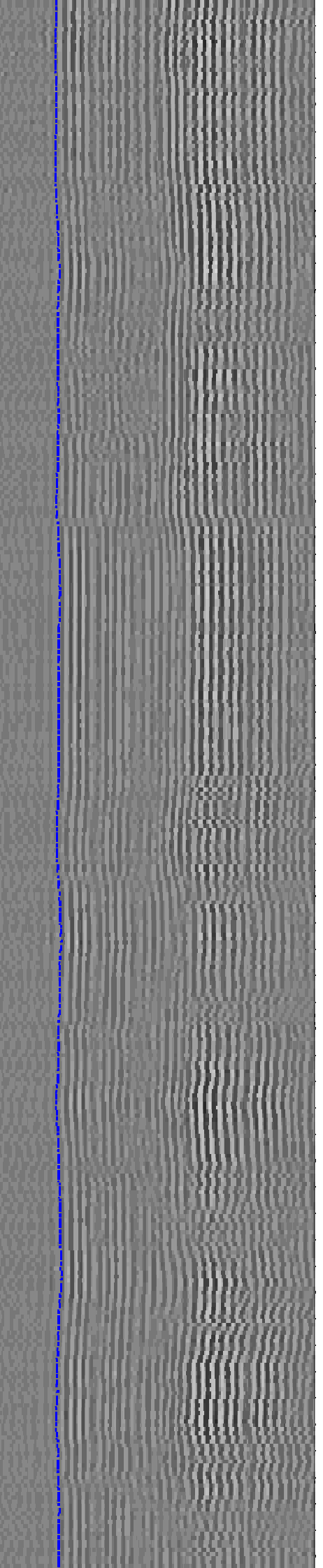
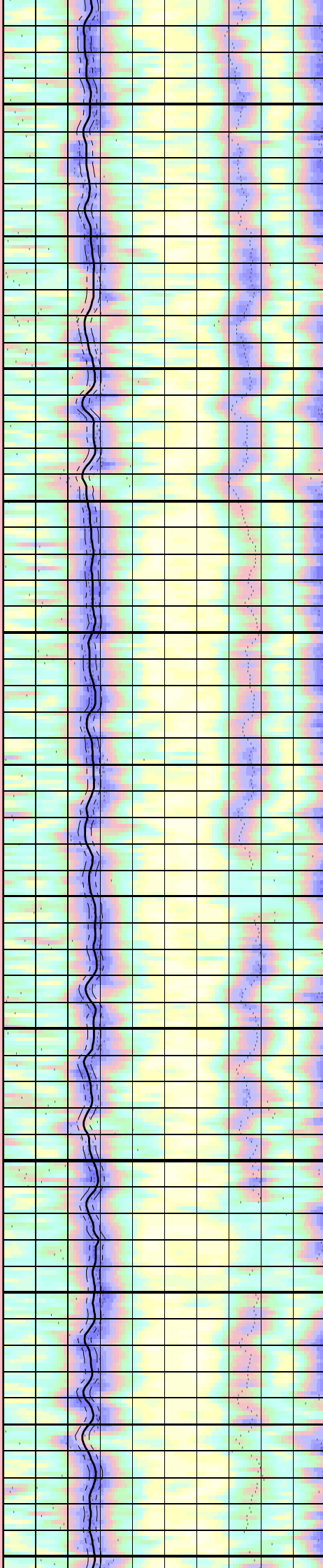
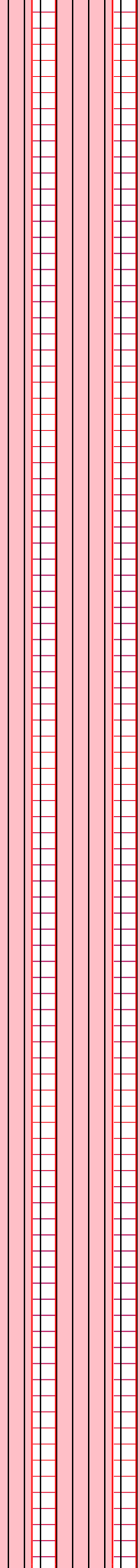
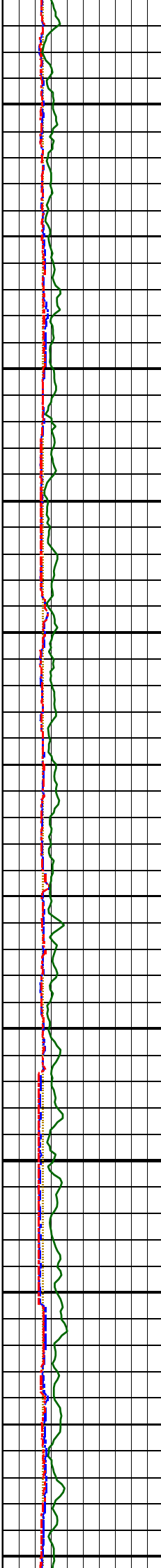
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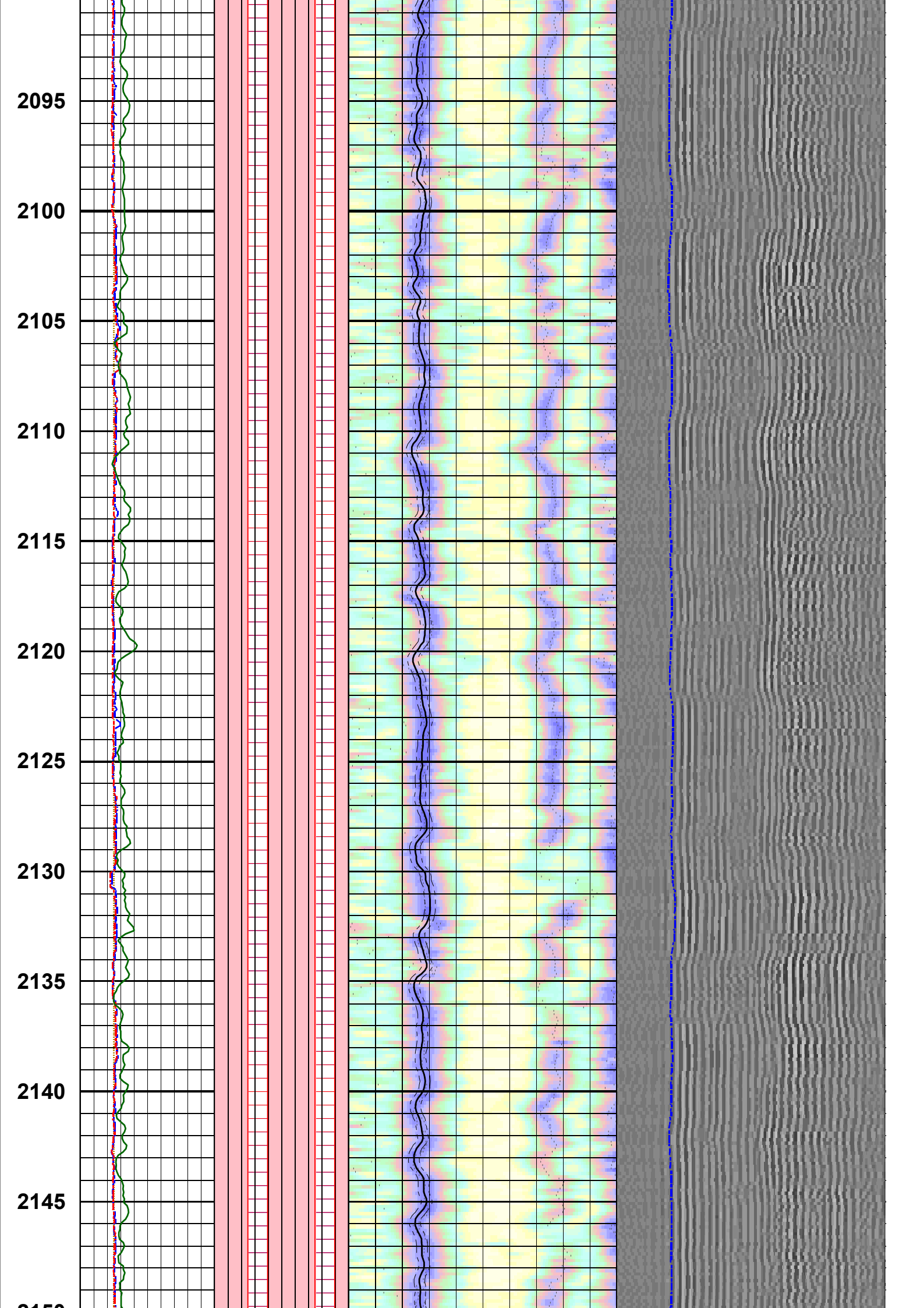
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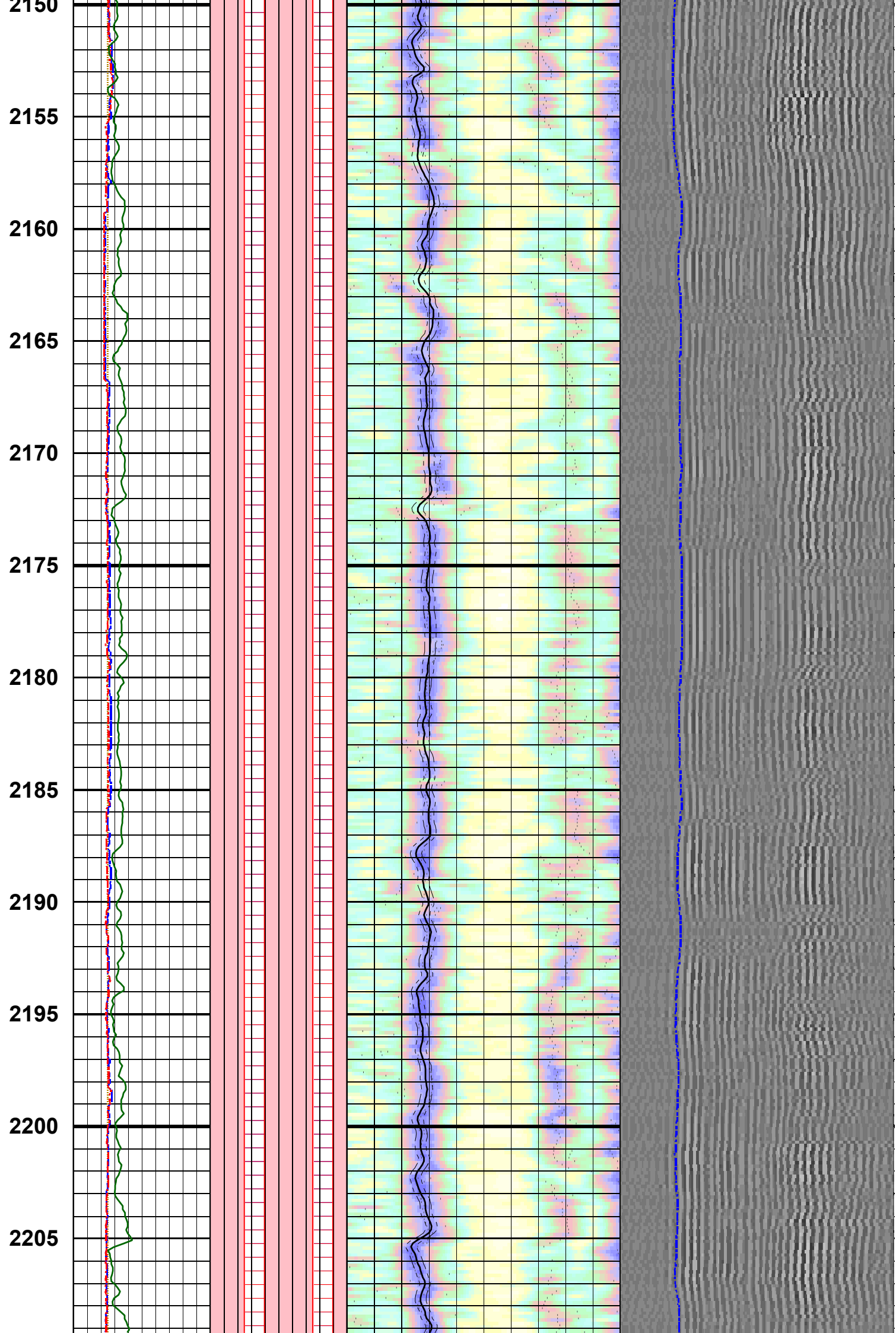
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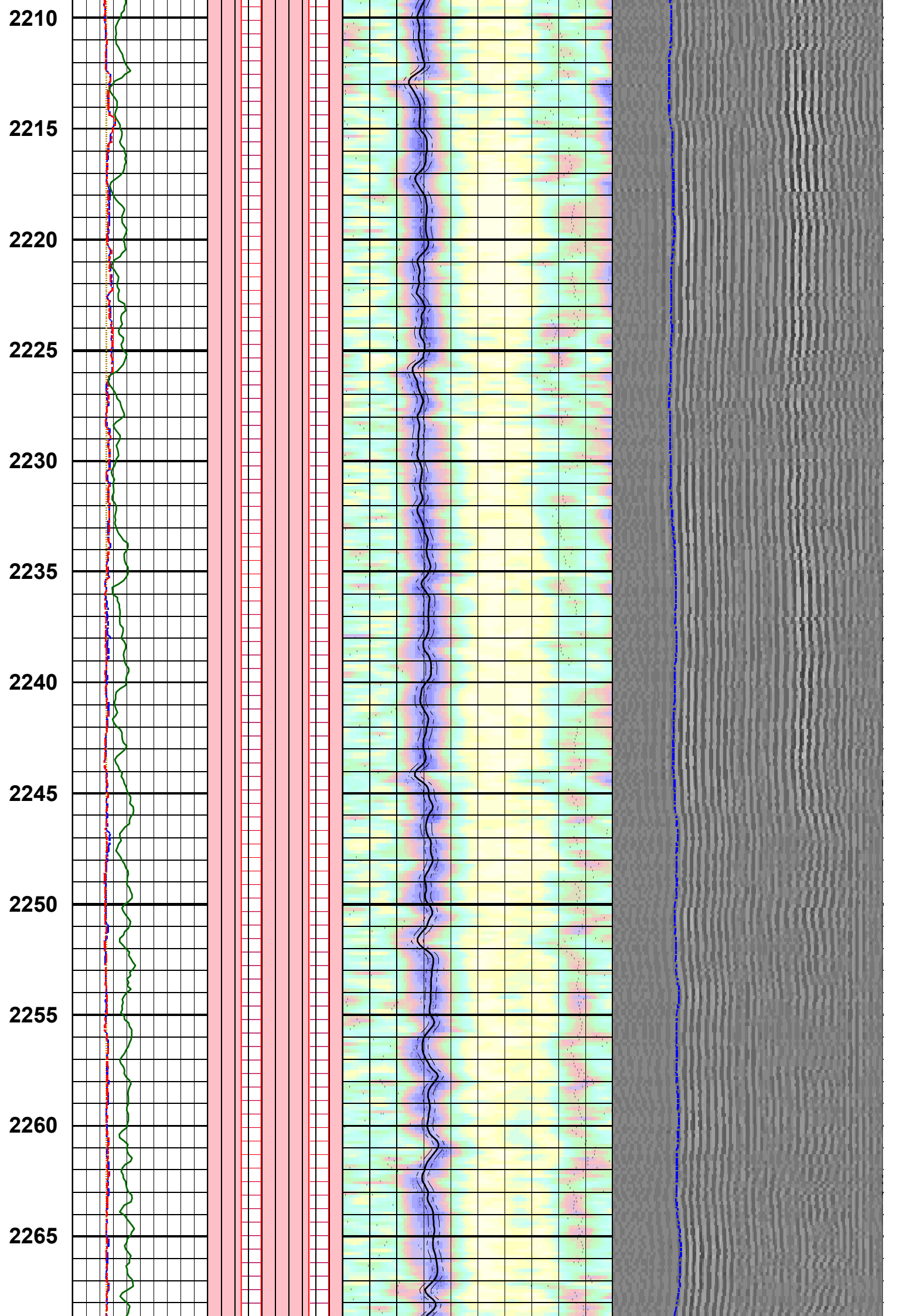
2085

2090

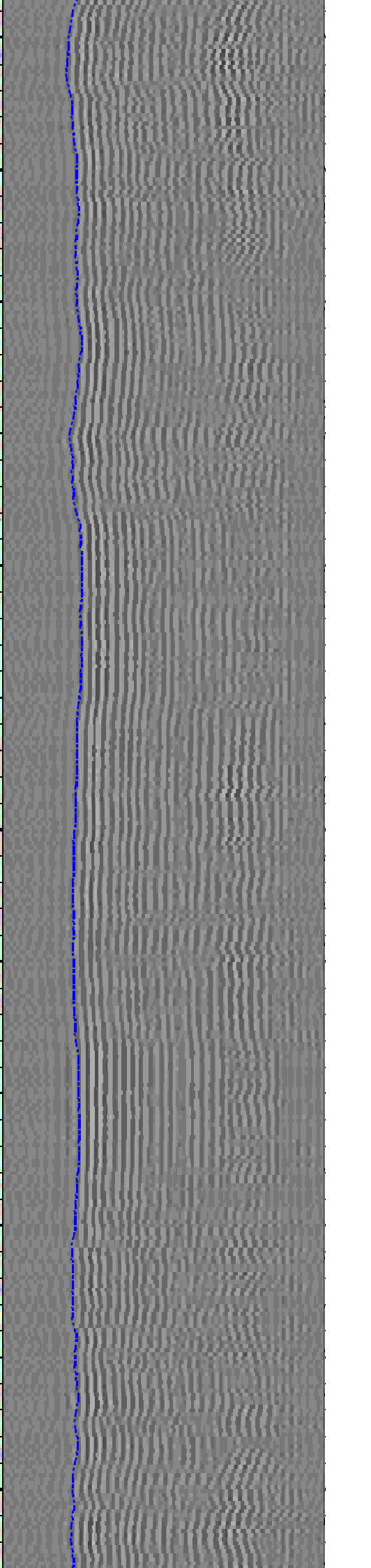
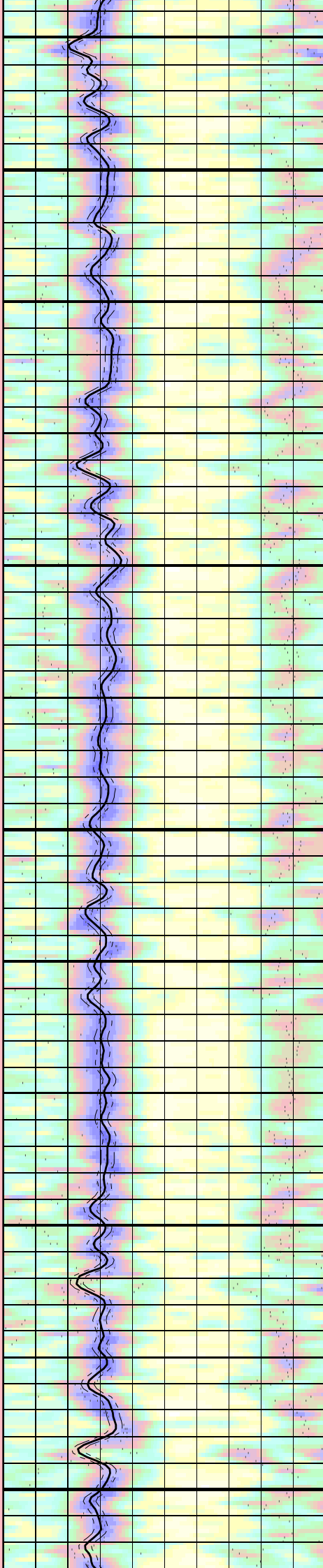
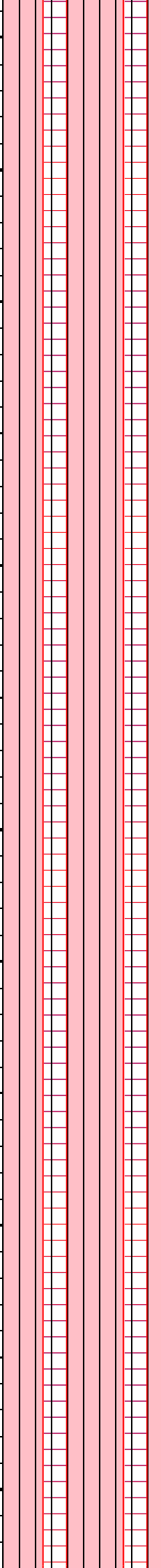
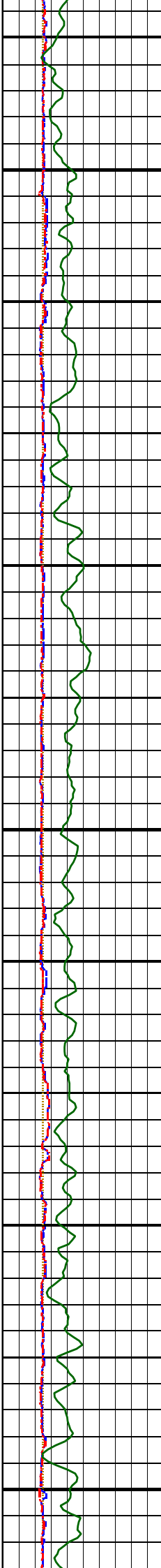


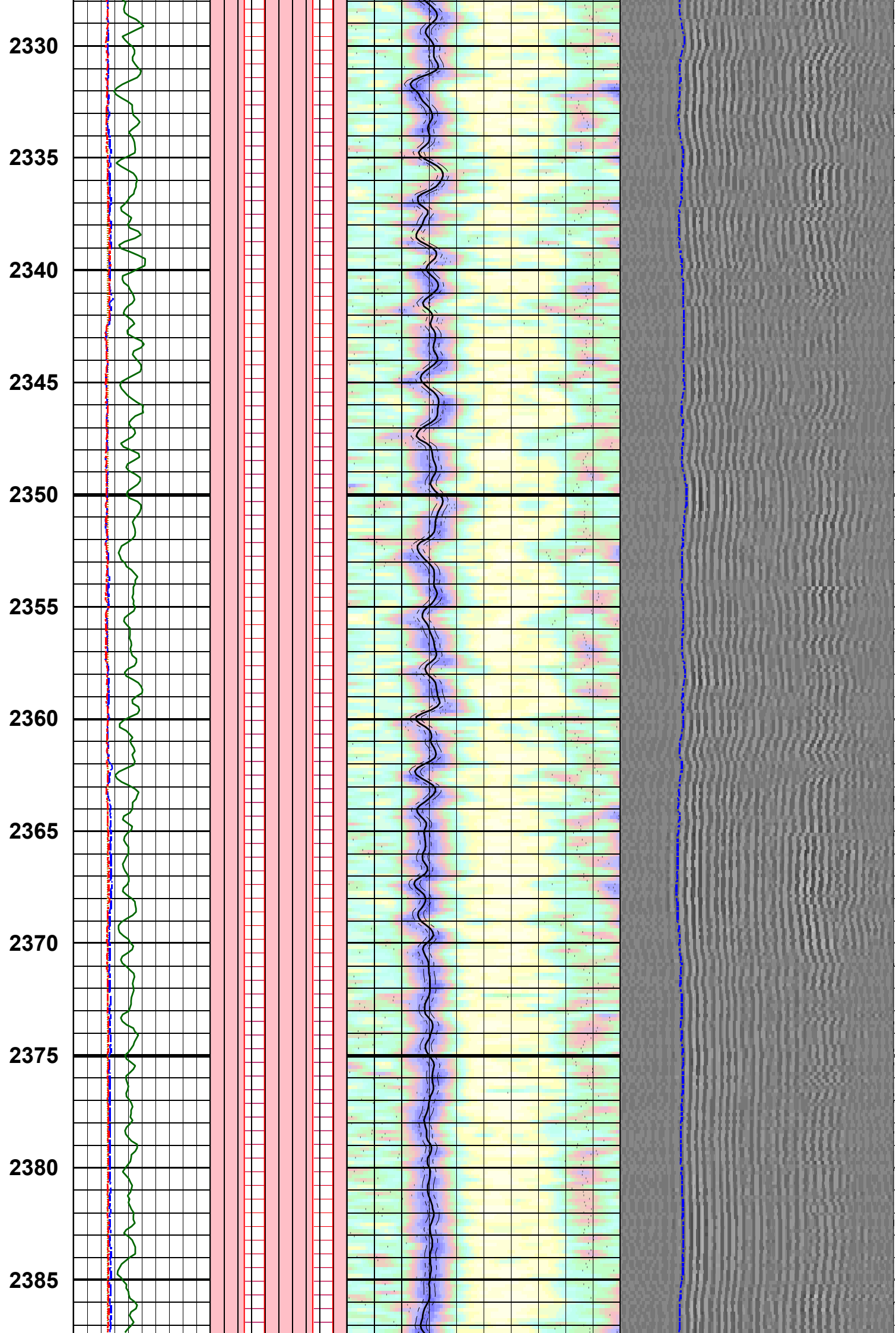


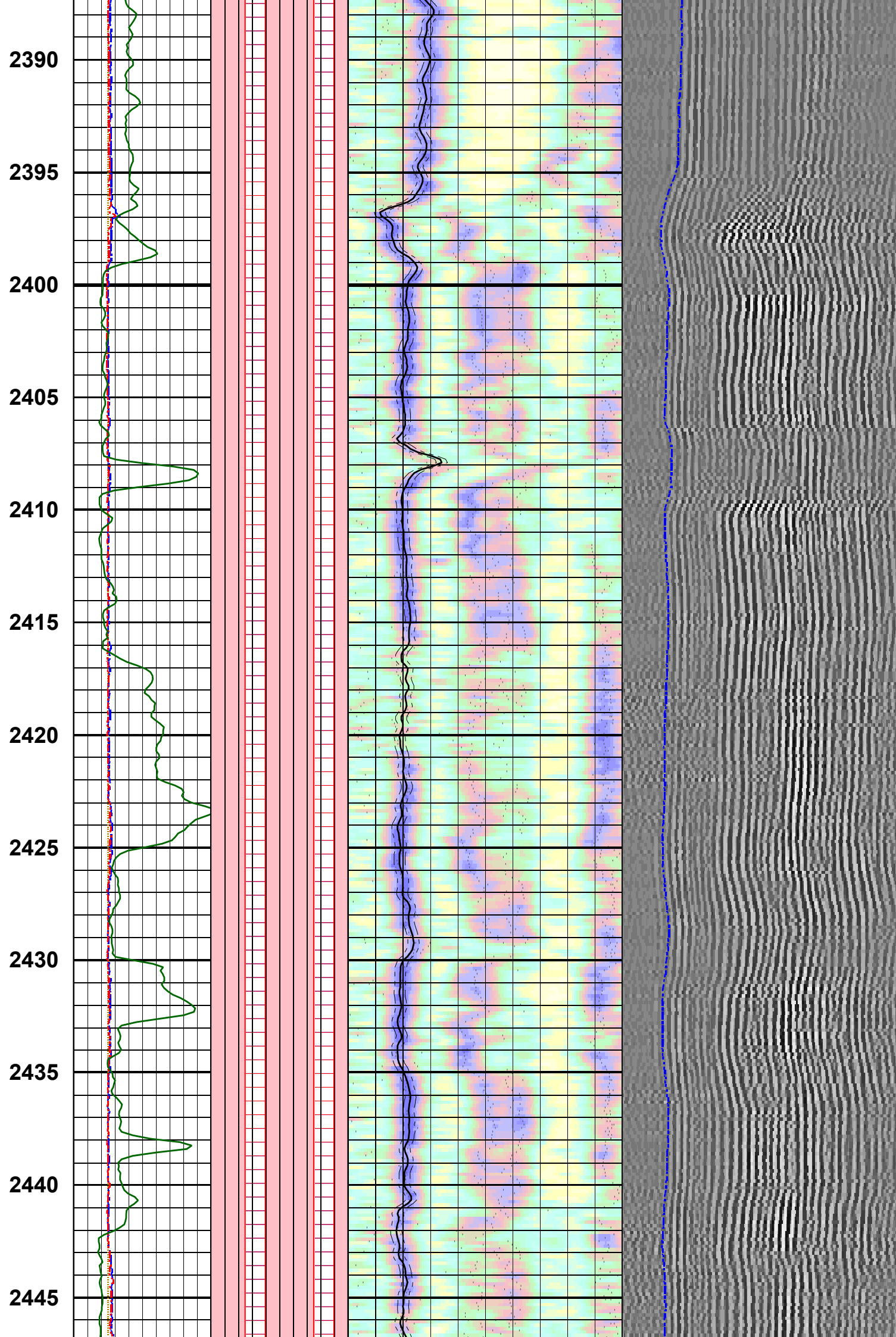


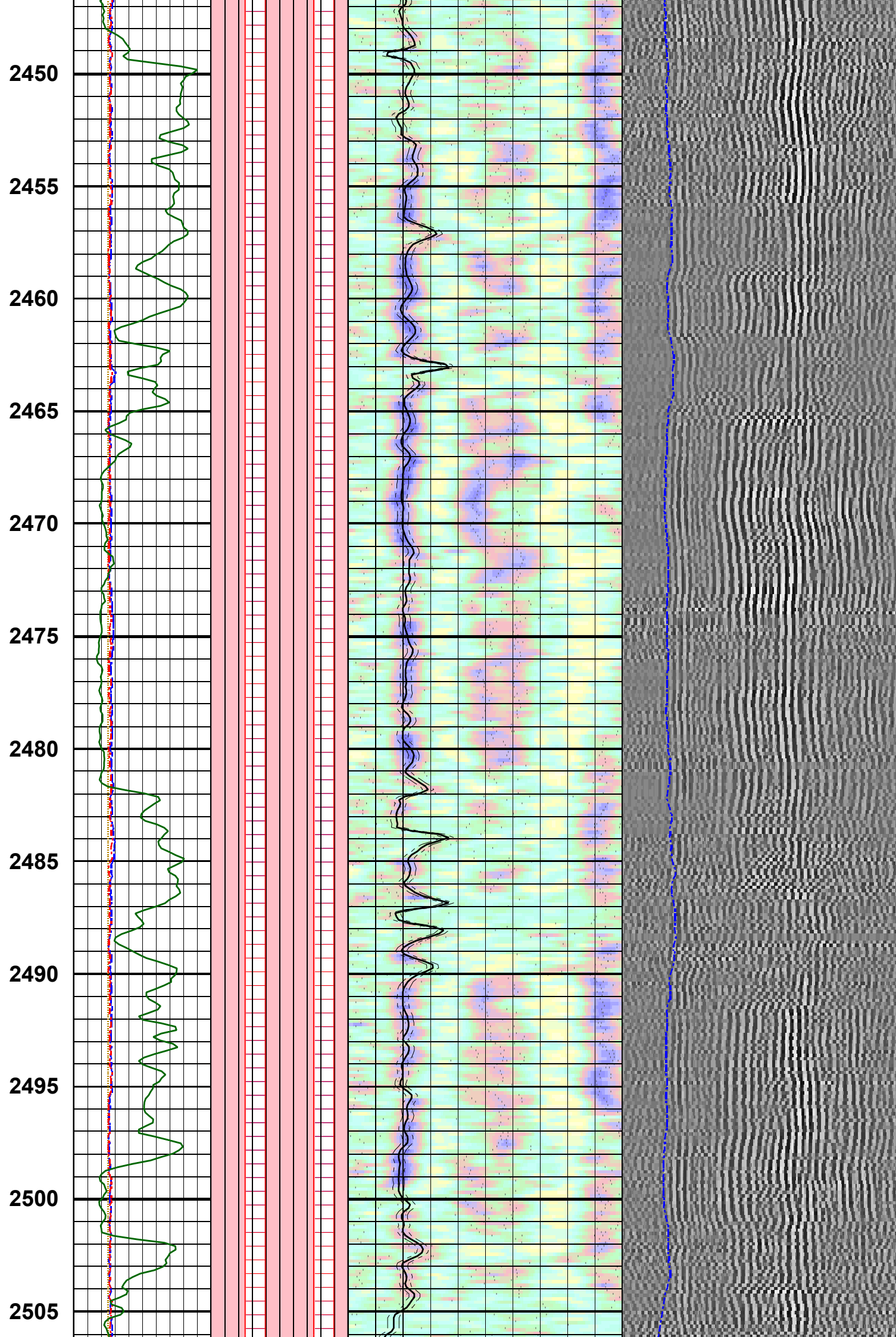


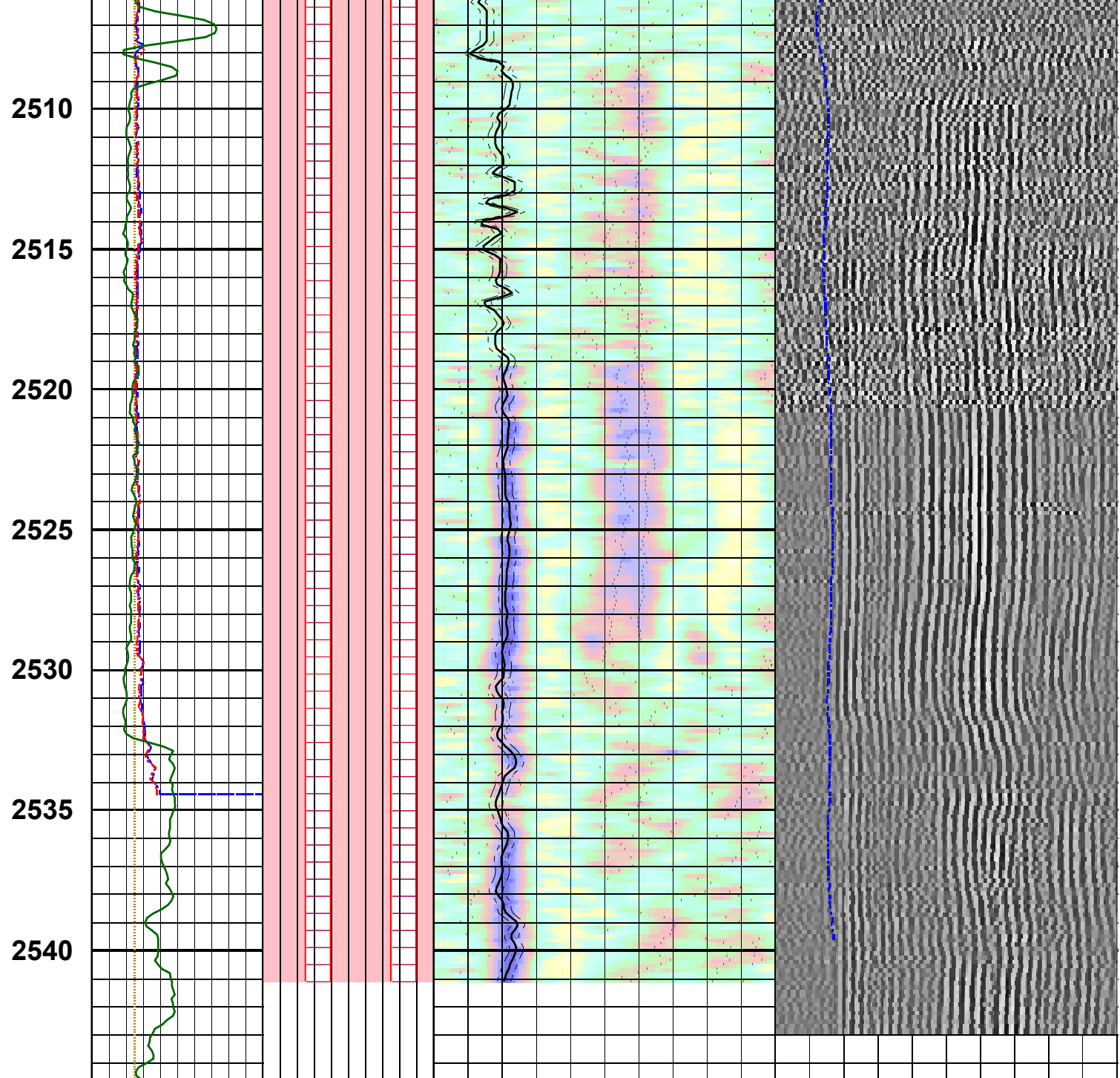
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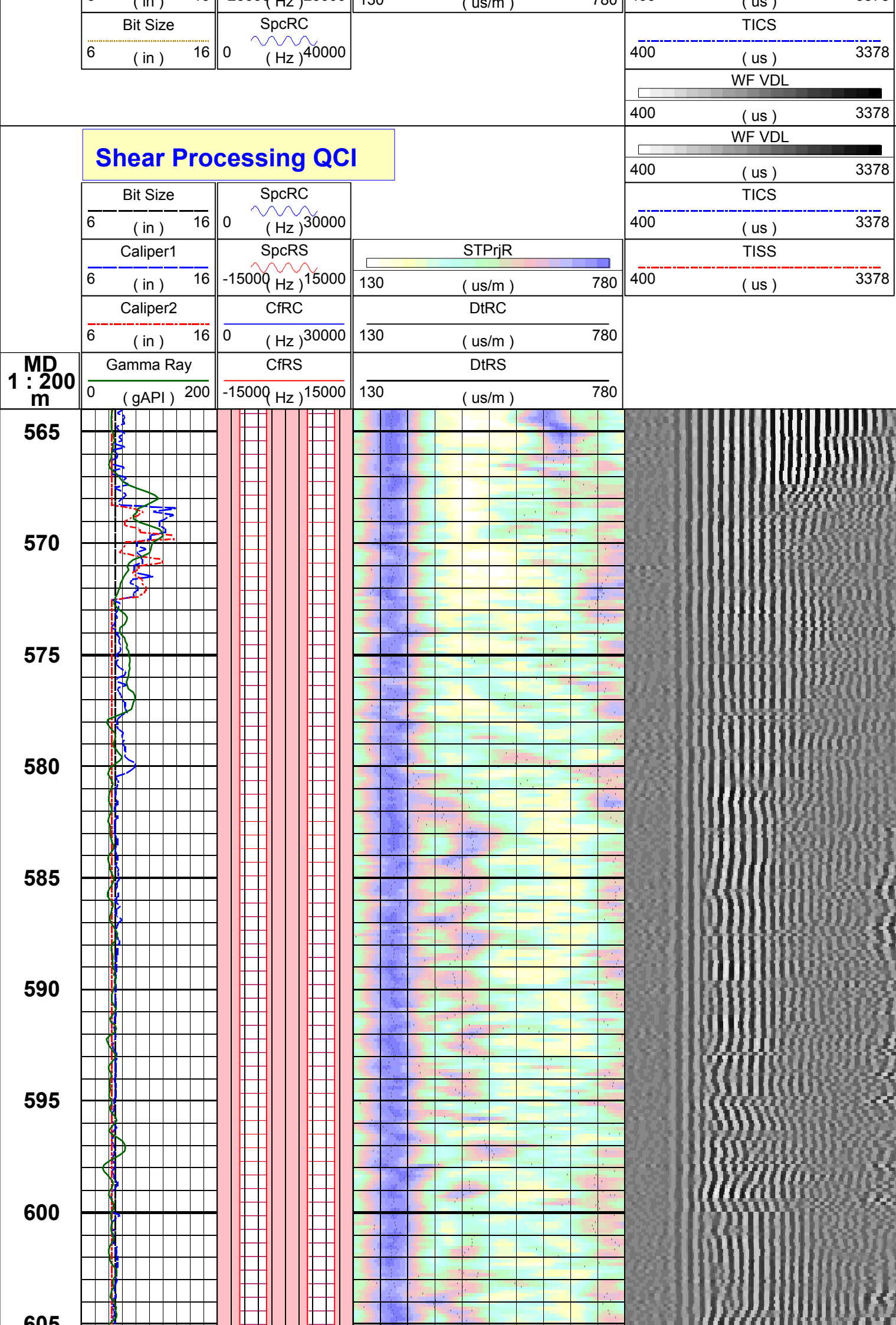


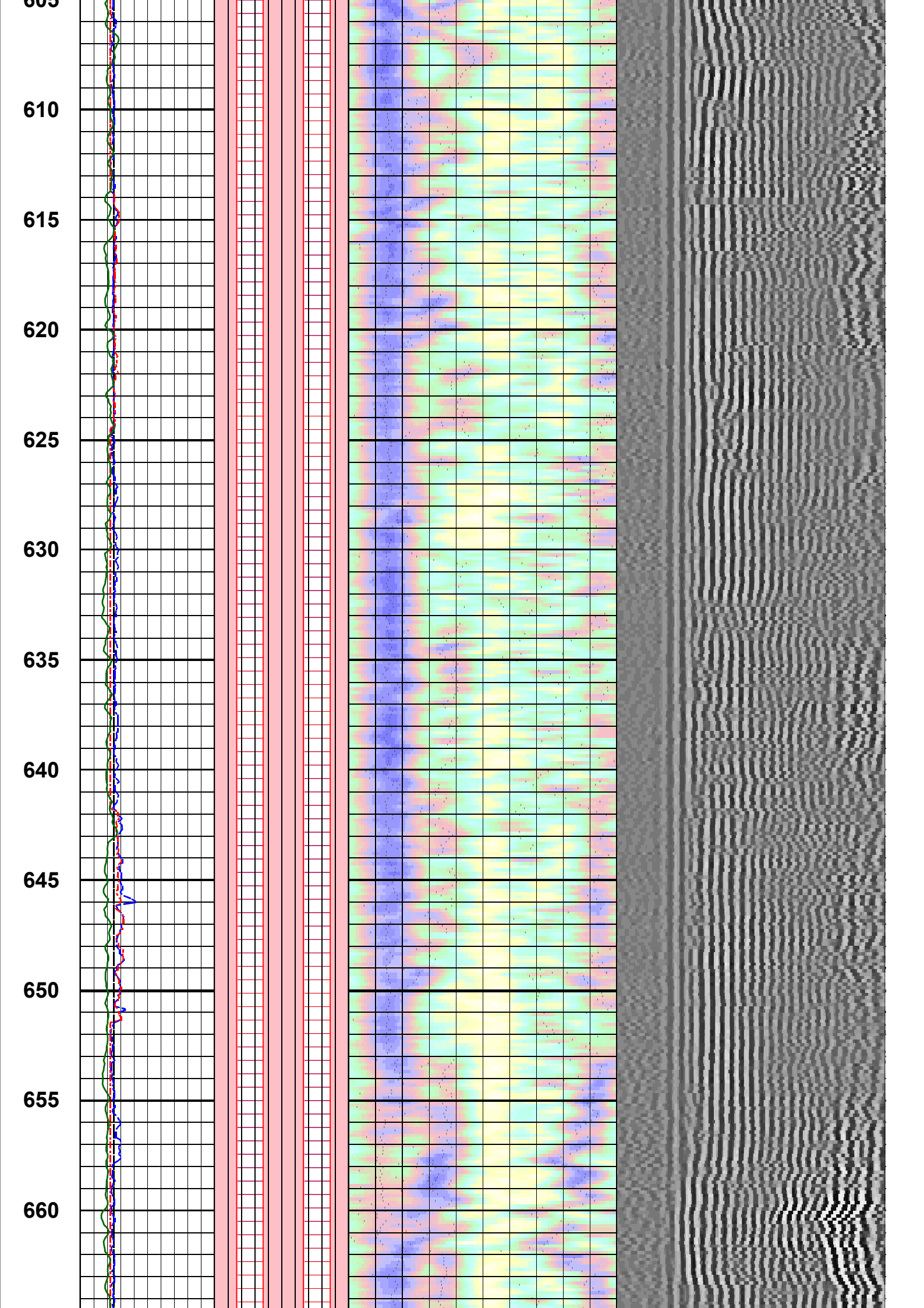


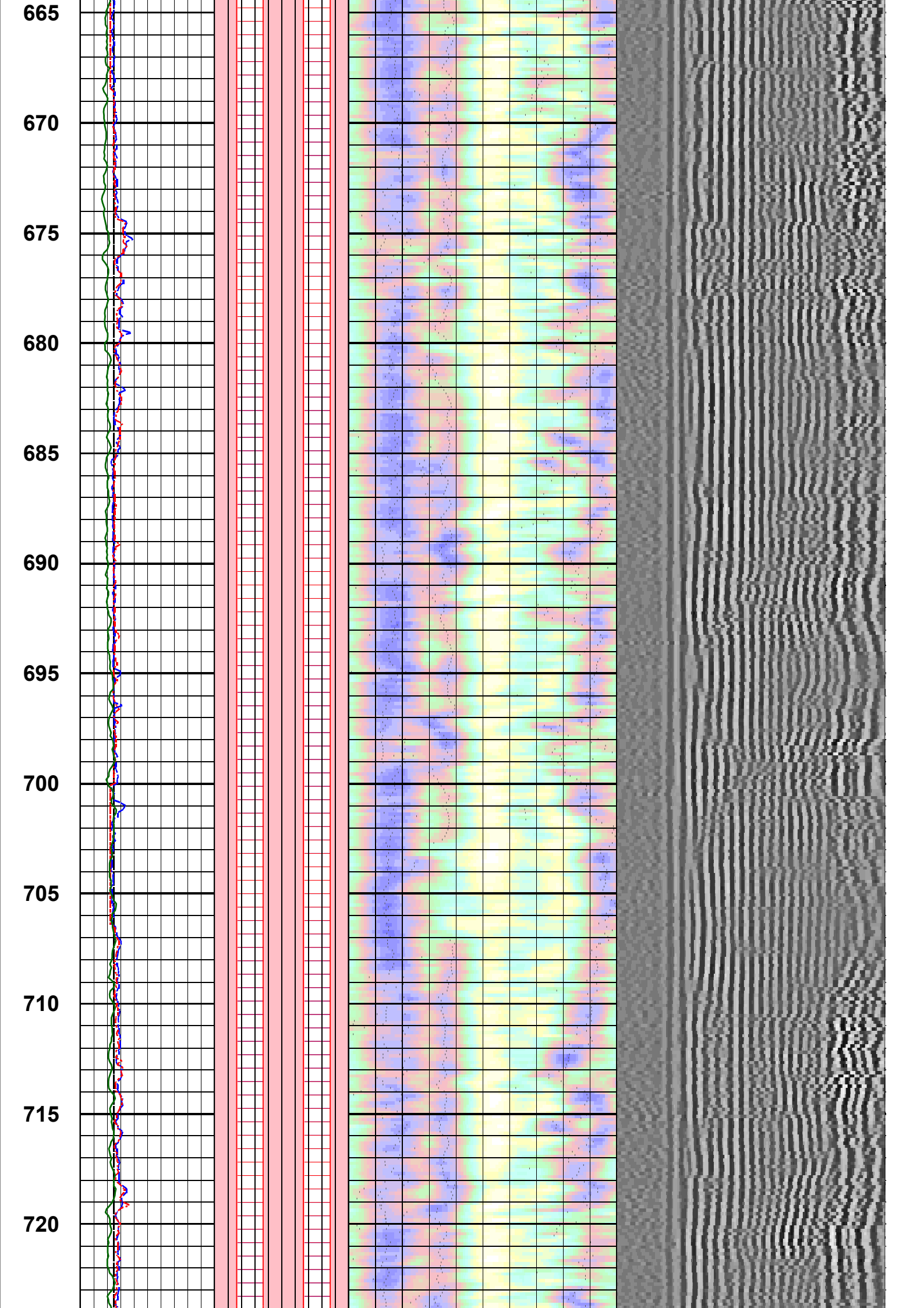
Customized Process: Start Depth (2544.12 m), Stop Depth (511.603 m), Logging Mode (ISONIC - MPS_WIDE)
Noise Cut Filtering(Yes - Median Residual, WS 720), Casing Cut Filtering(No)
WF_FLG(1 1 1 1), MUD_TYPE(WBM), DTMUD(656.168), STCAL(Full Array)
TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)
Hole Diameter (BS@Run_1;1 (513.893 - 2568.55 m))
Zoning Guide (DTBC@CDF_LWD001;1 (511.454 - 2541.12 m))
Tracking Guide (no input)

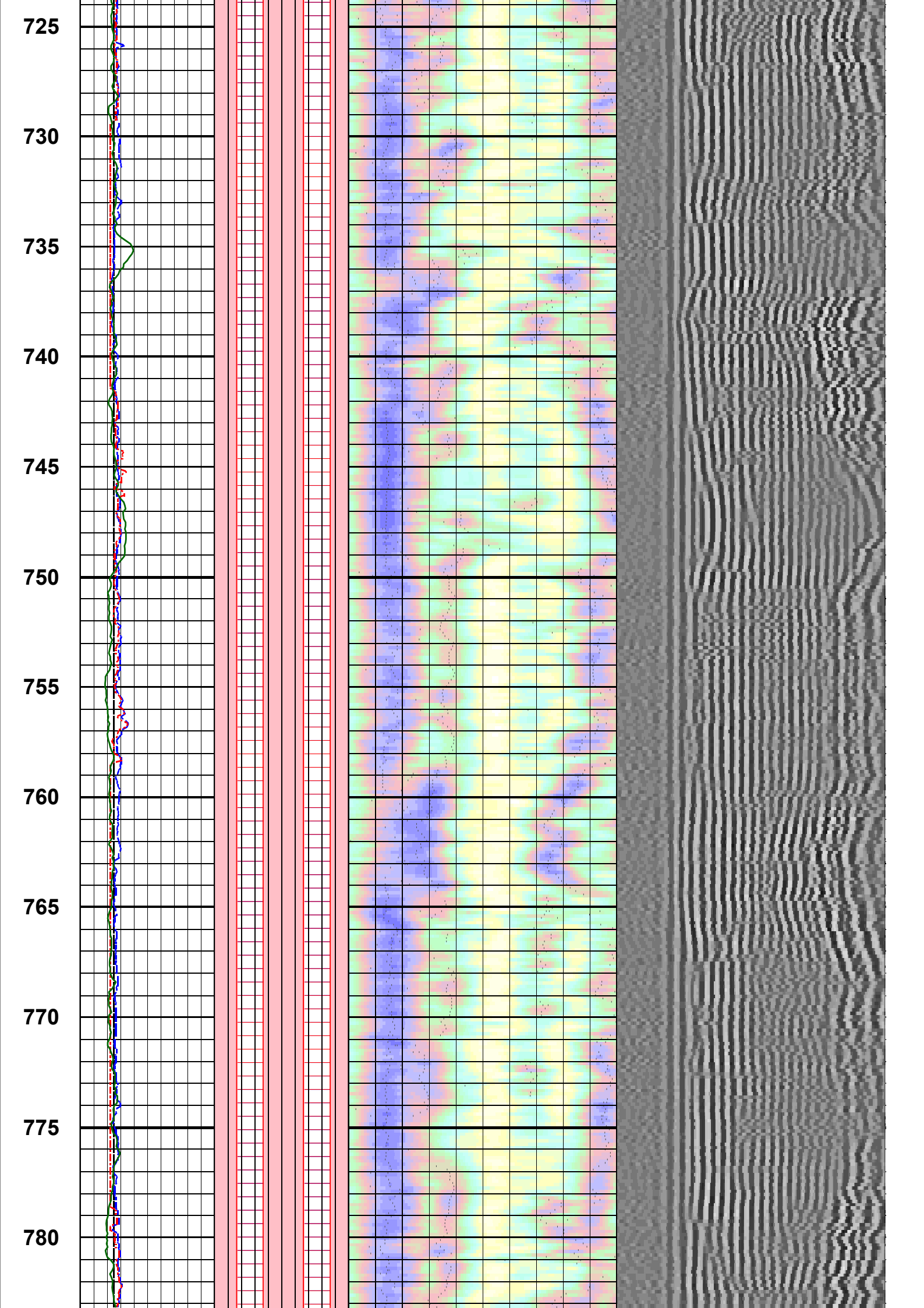
--- Zone Top Depth (0), Zone Name (Zone1) ---
SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix*), HD(8.5)
TWI(238.281), SLL(130.294), SUL(788.277), SST(6.51469), TLL(400), TUL(3219.66), TST(39.7135)
SBW(1120), SBO(160), SWD(65.6168), TWD(840), SEM(0.45), FLENG(63), FLOW(10000), FHIGH(16000)
TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

MD 1 : 200 m	Gamma Ray	CfRS	DtRS	
	0 (gAPI) 200	-20000 (Hz) 20000	130 (us/m) 780	
	Caliper2	CfRC	DtRC	
	6 (in) 16	0 (Hz) 40000	130 (us/m) 780	
	Caliper1	SpcRS	STPrjR	TISS
	6 (in) 16	-20000 (Hz) 20000	130 (us/m) 780	400 (us) 3378

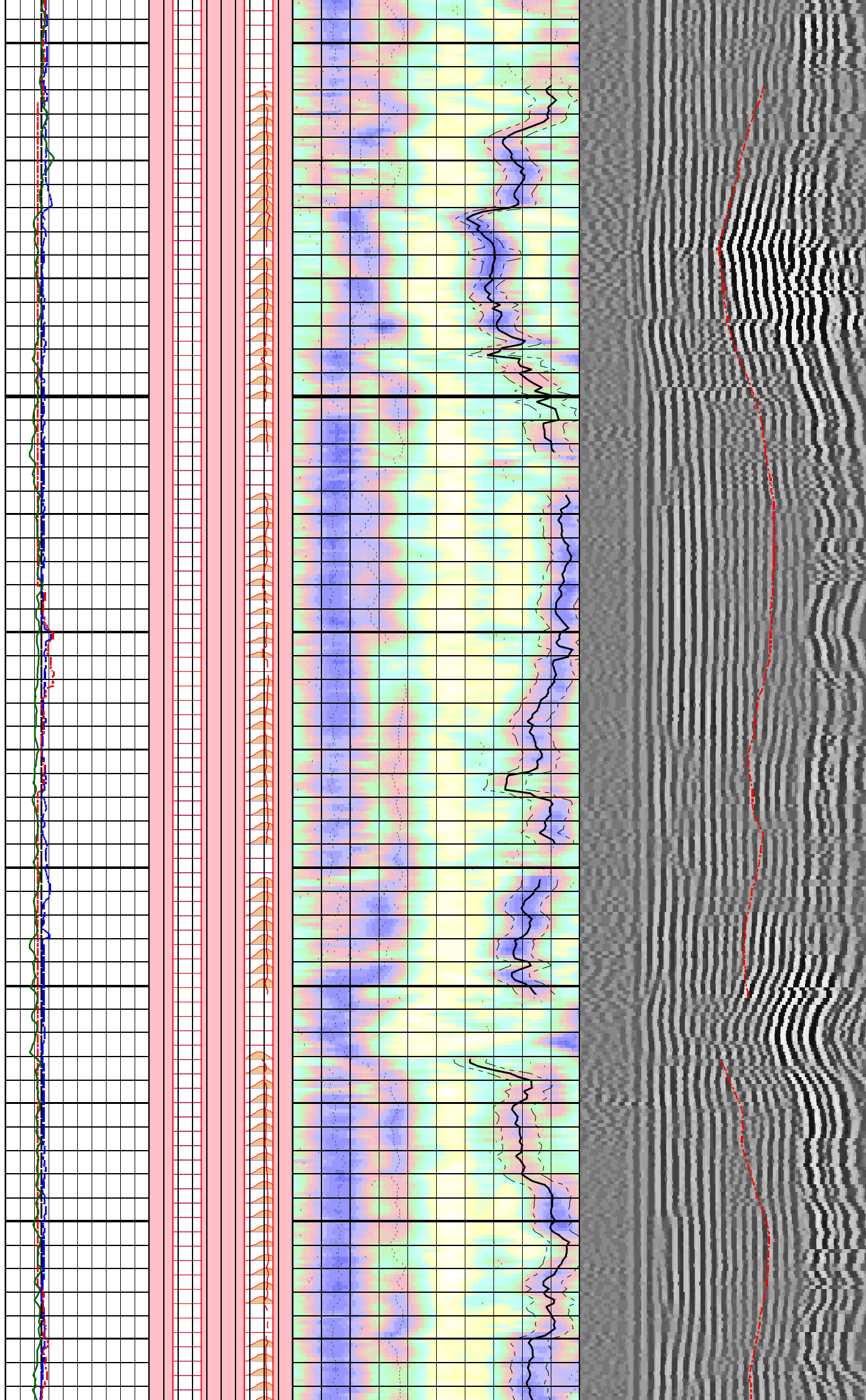


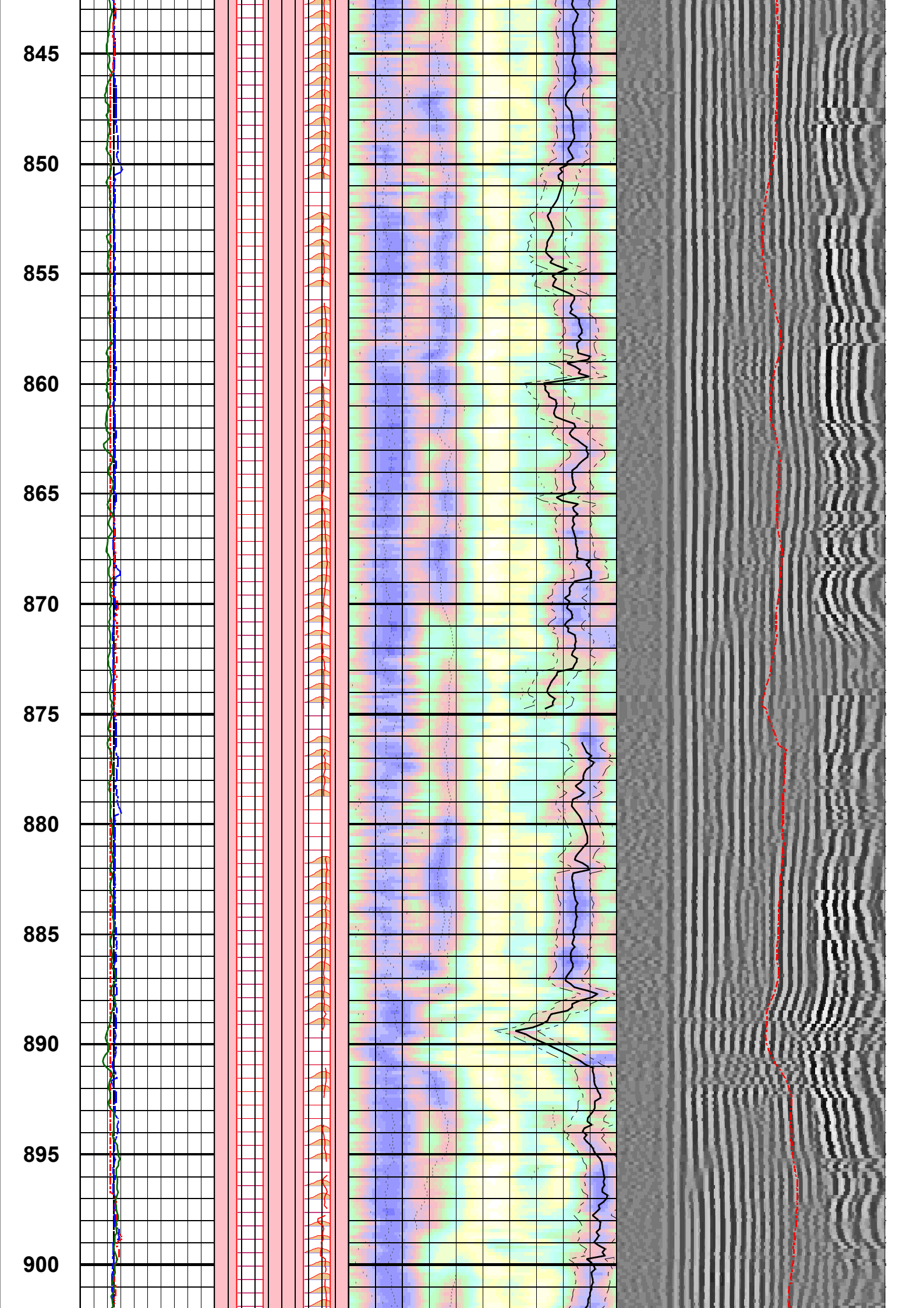


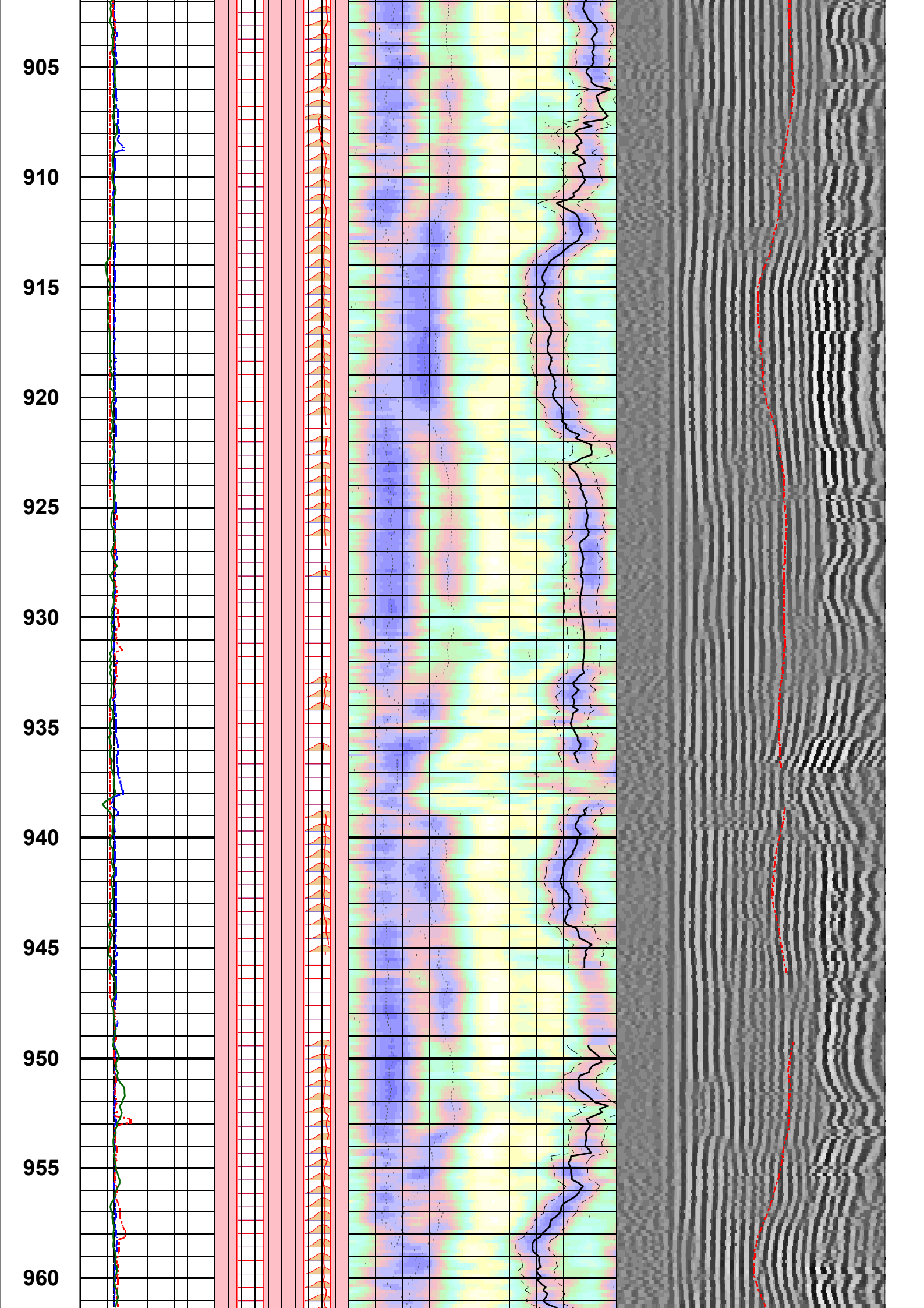


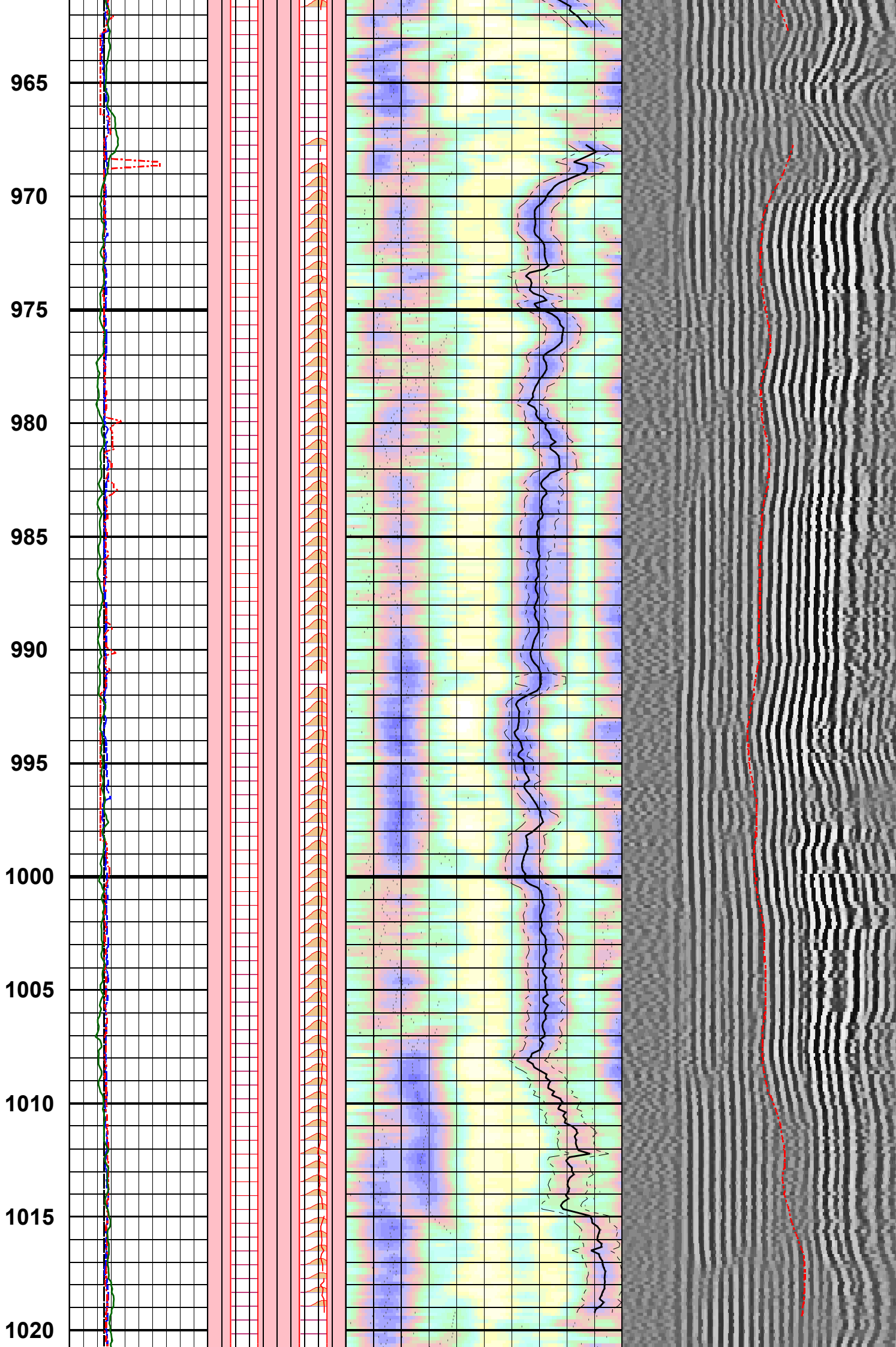


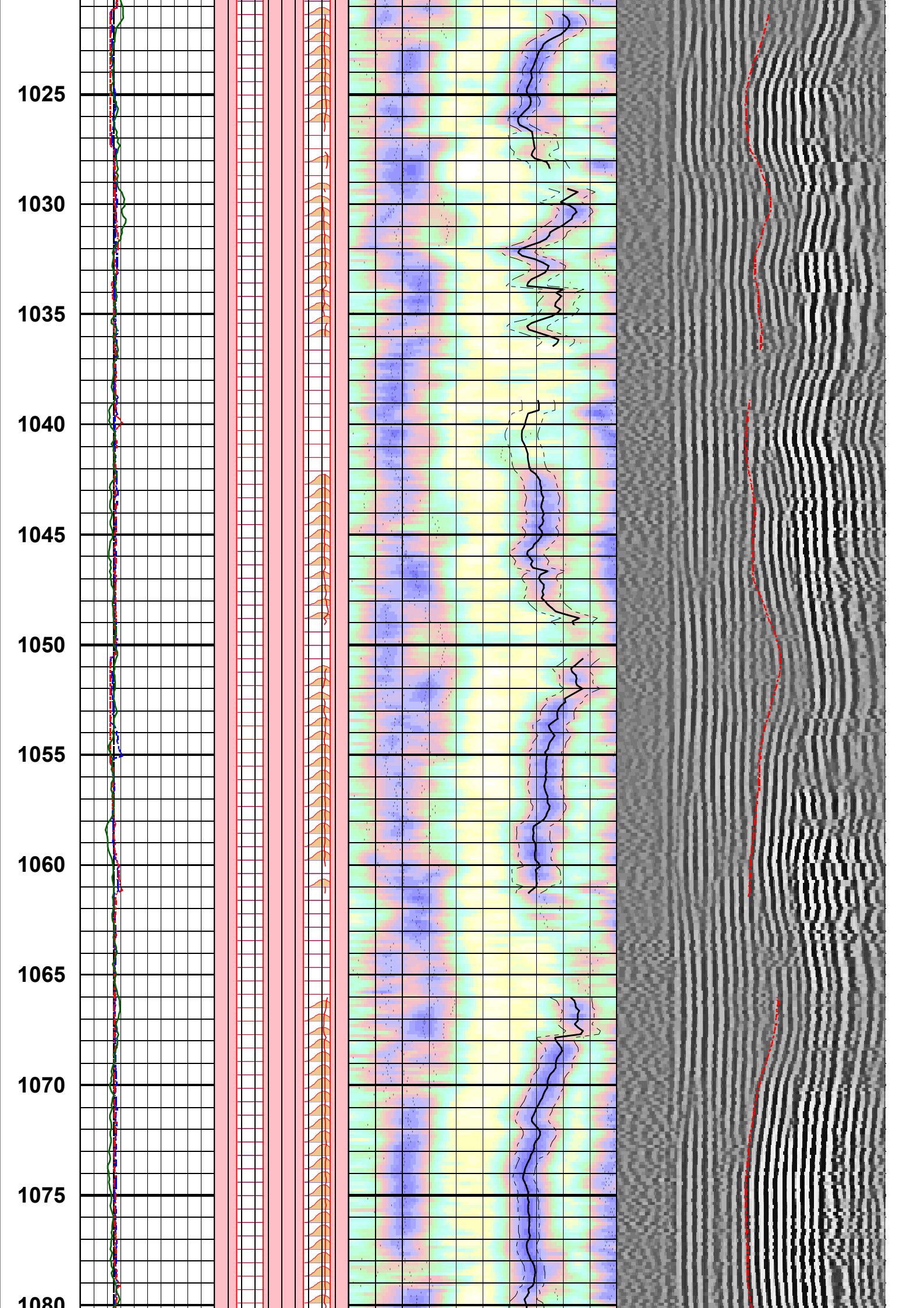
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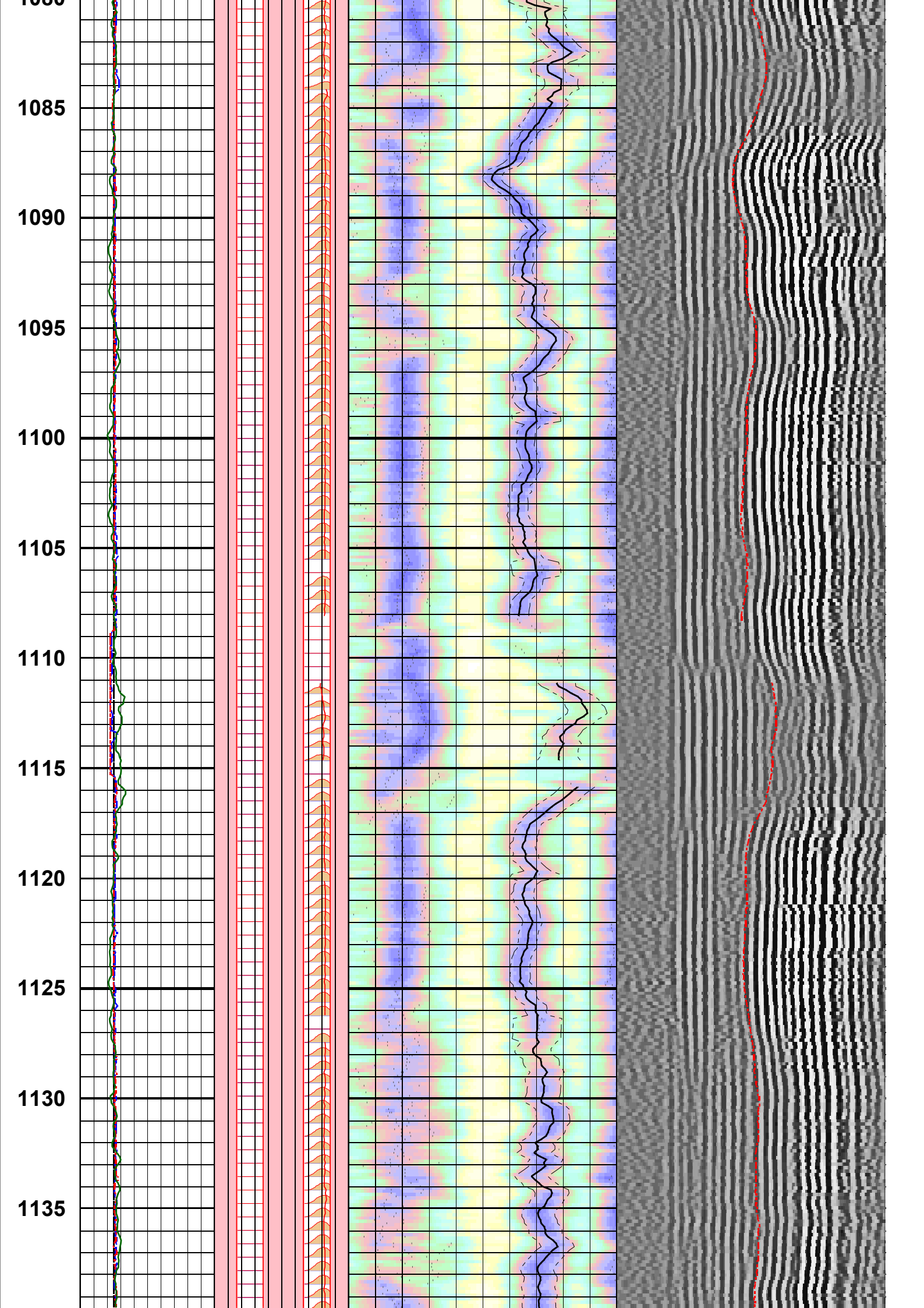


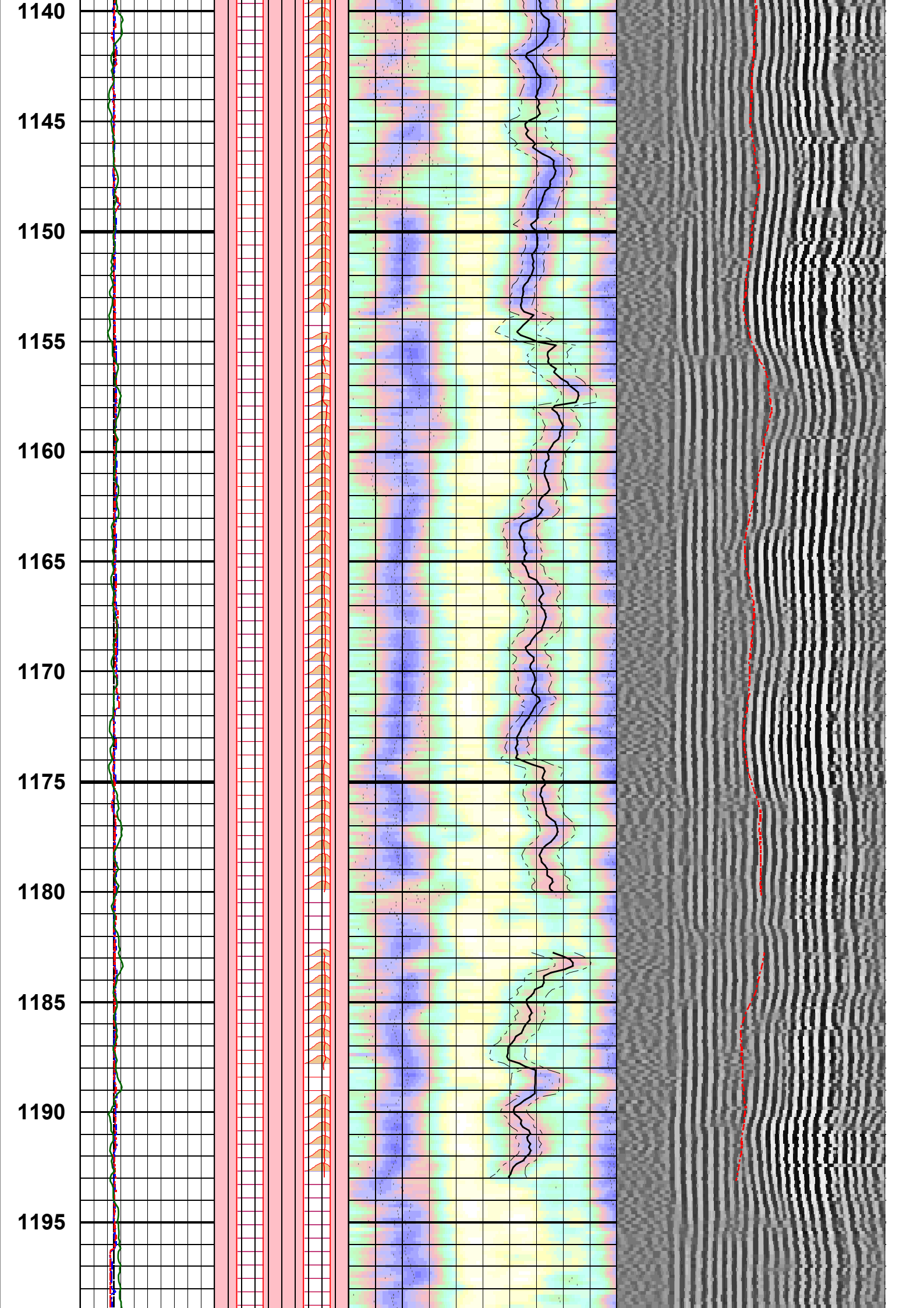


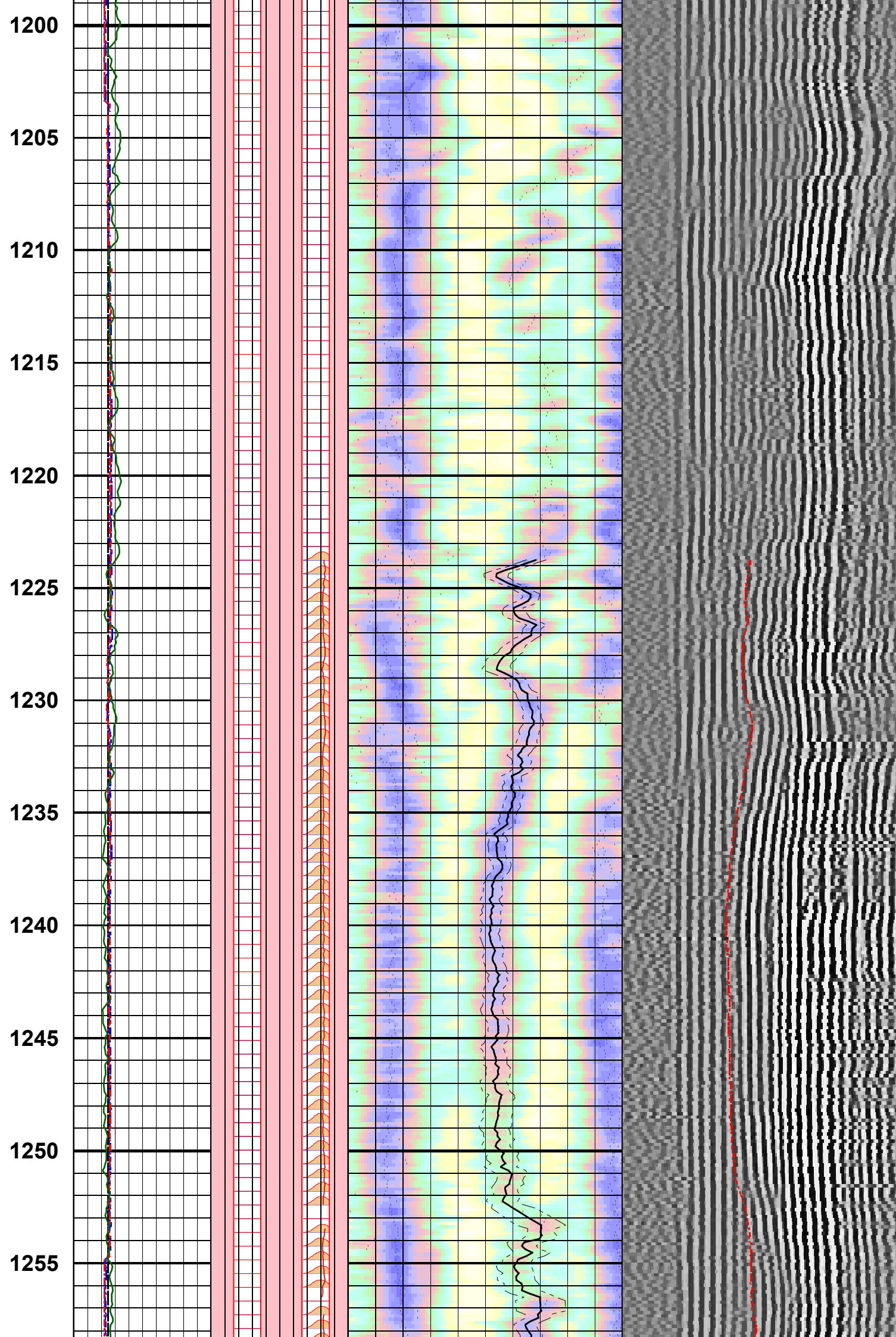


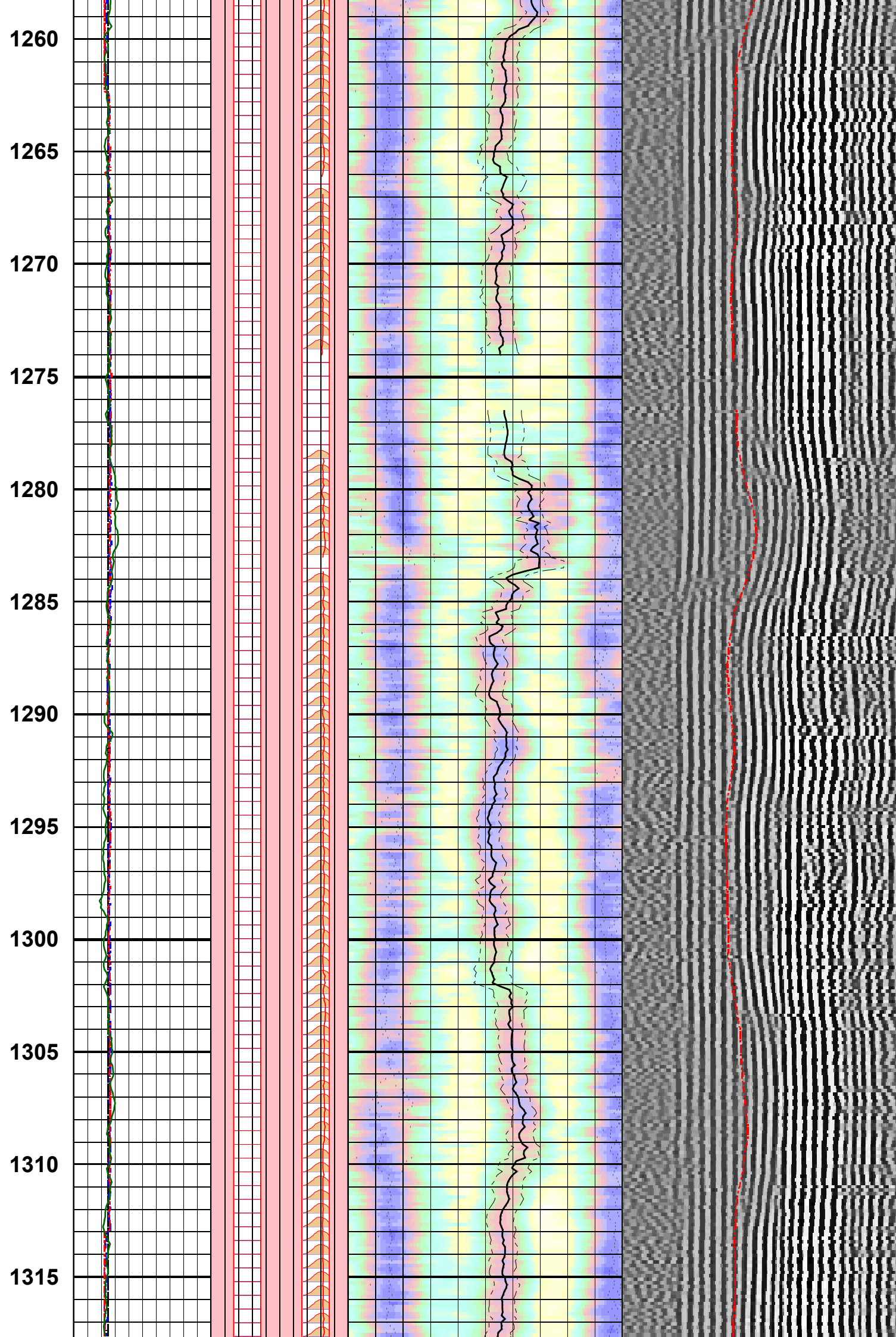


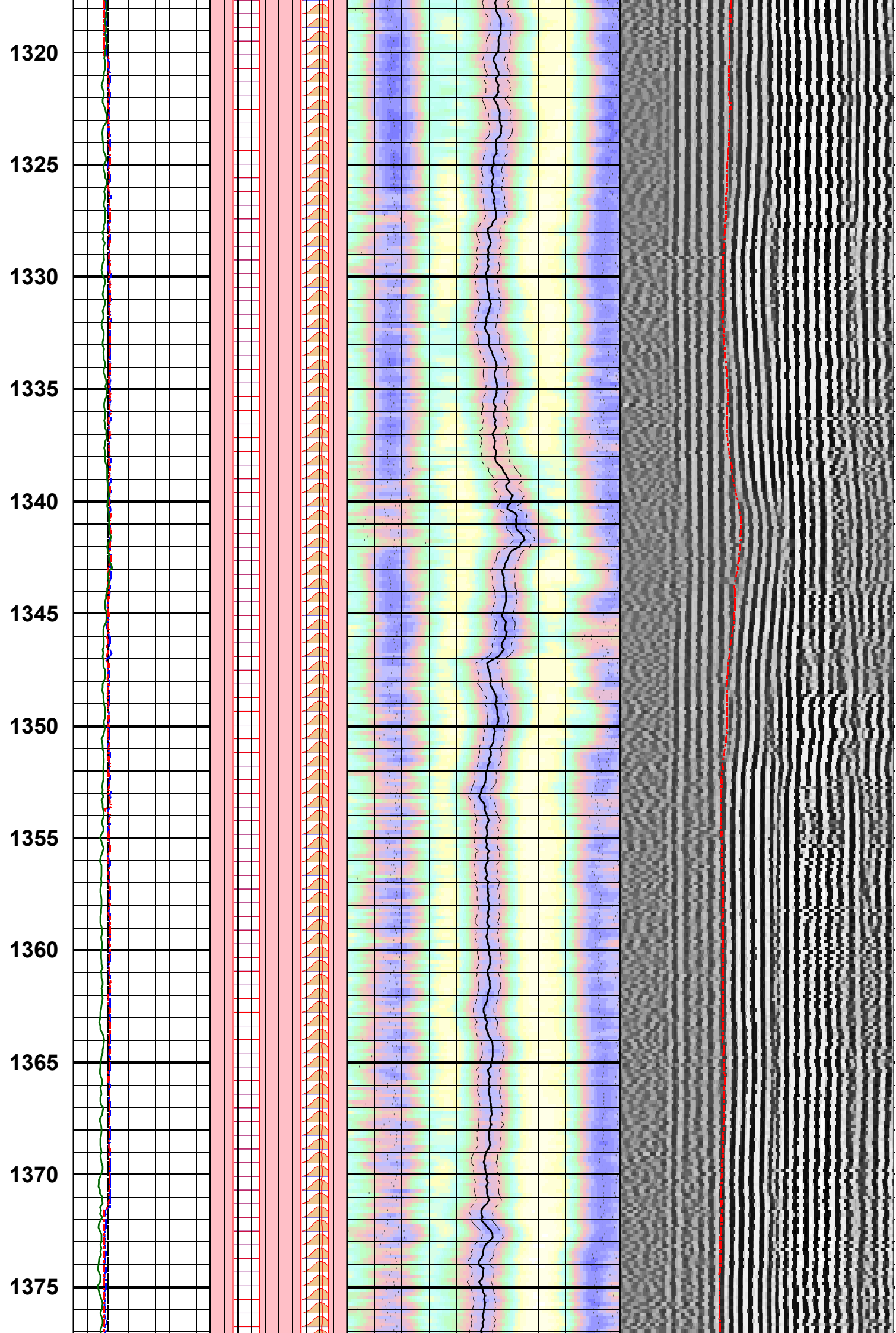


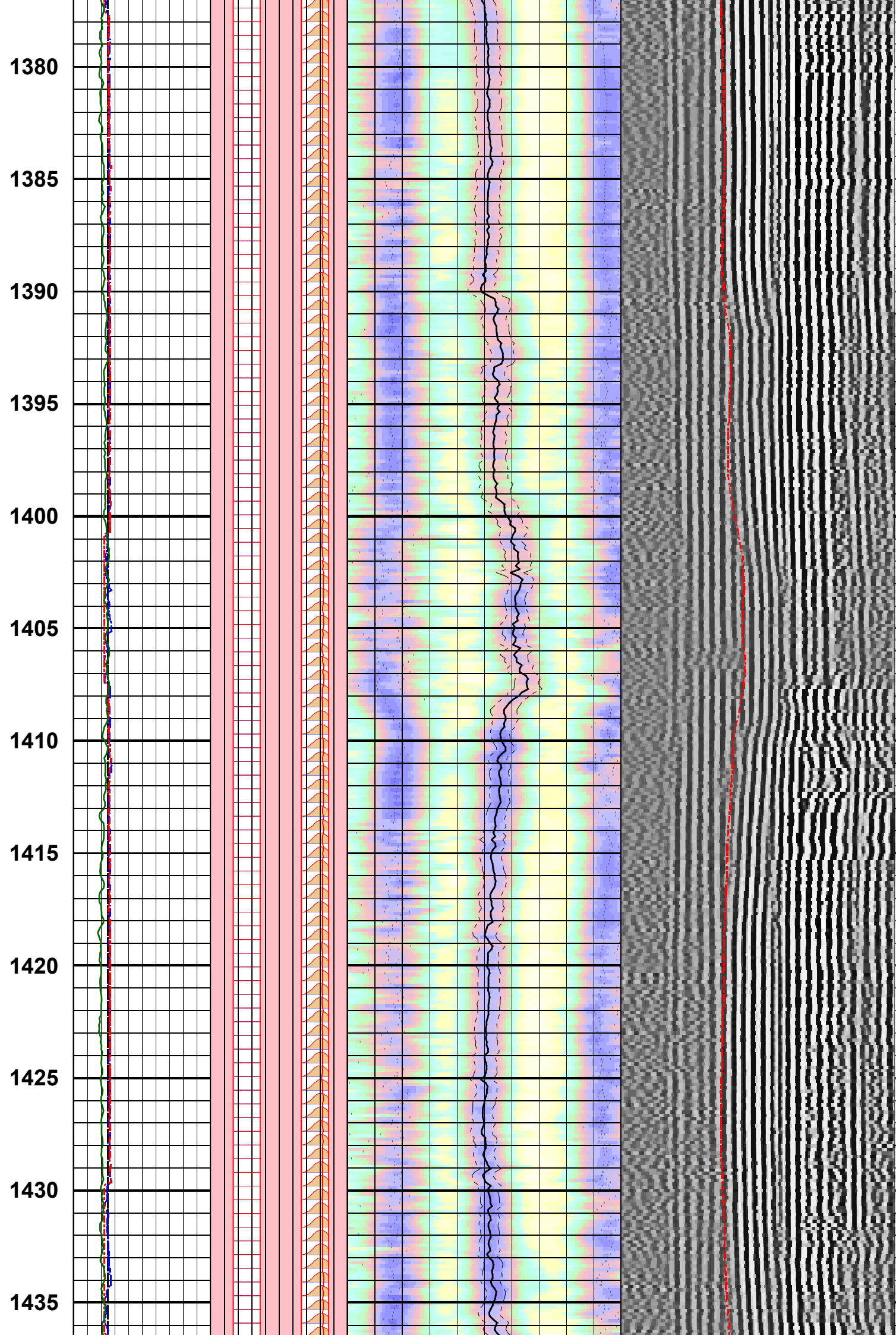


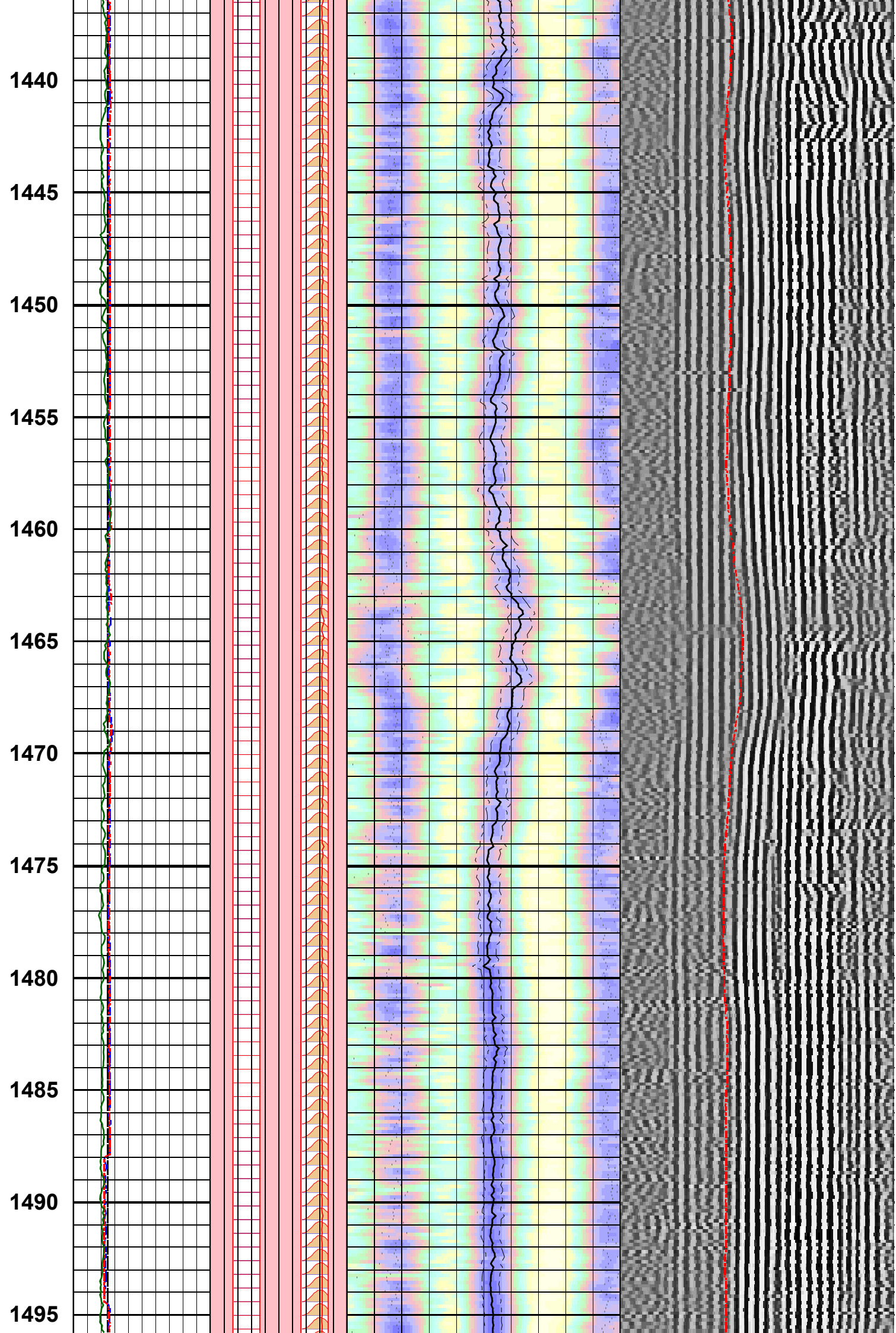


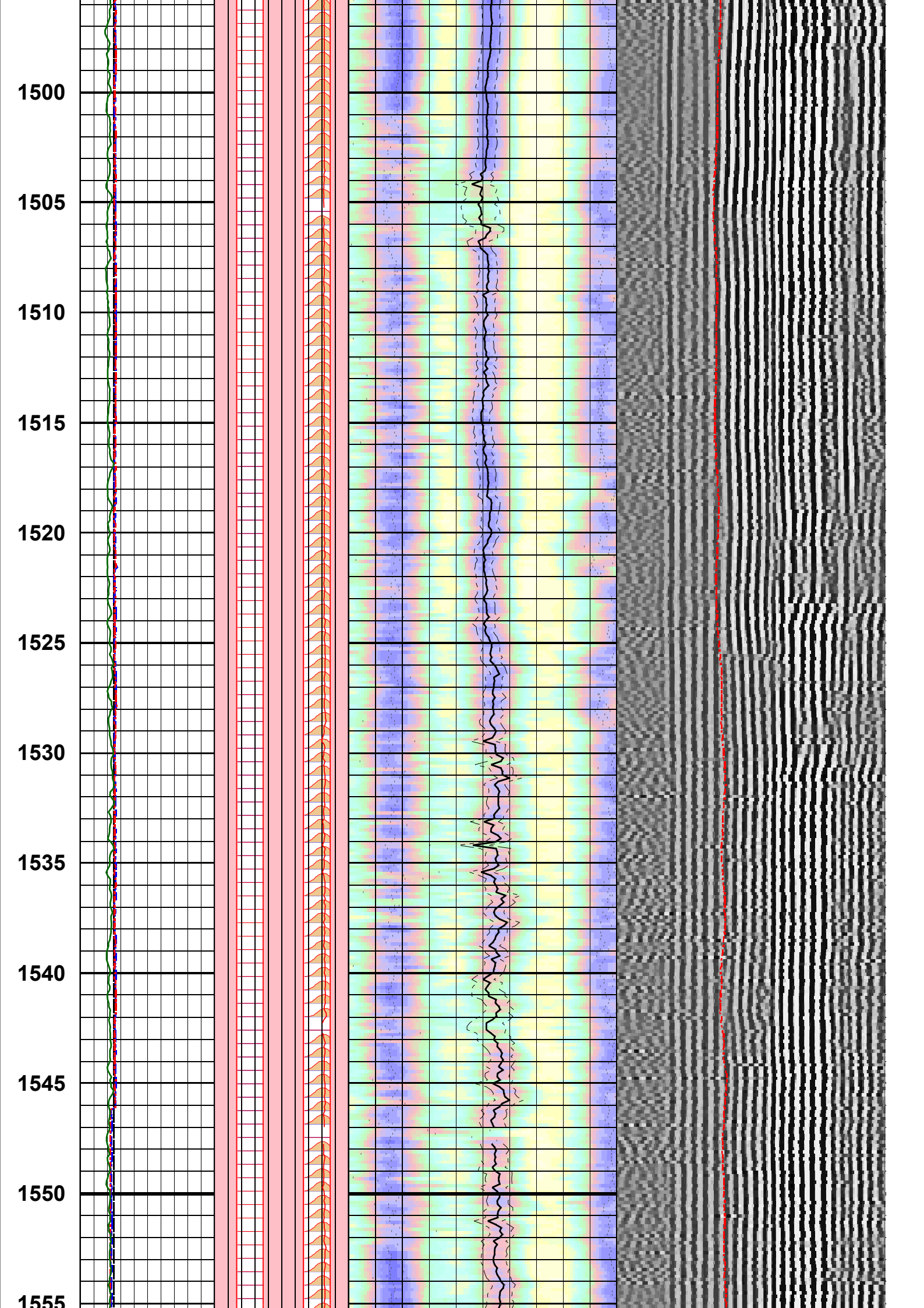


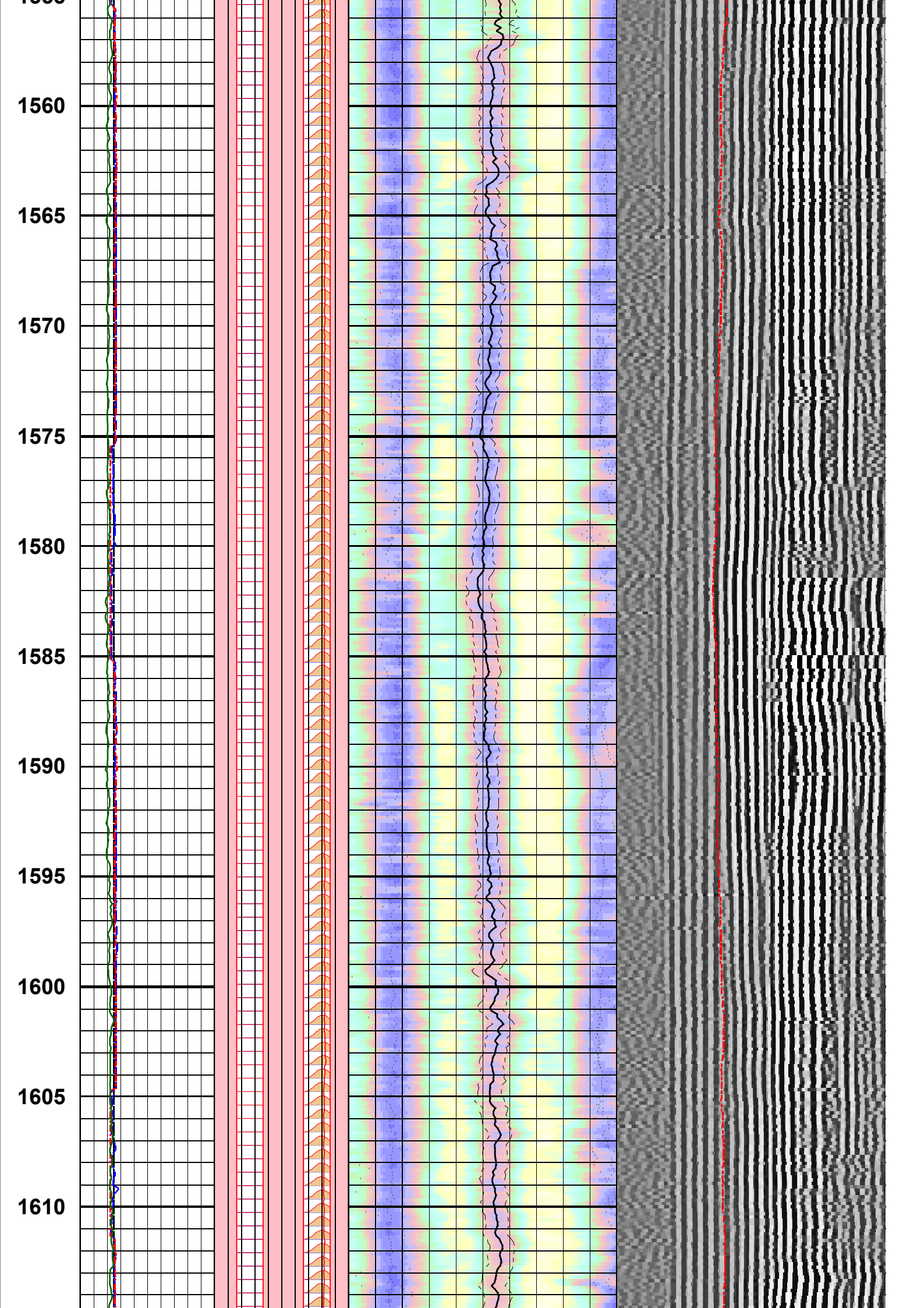


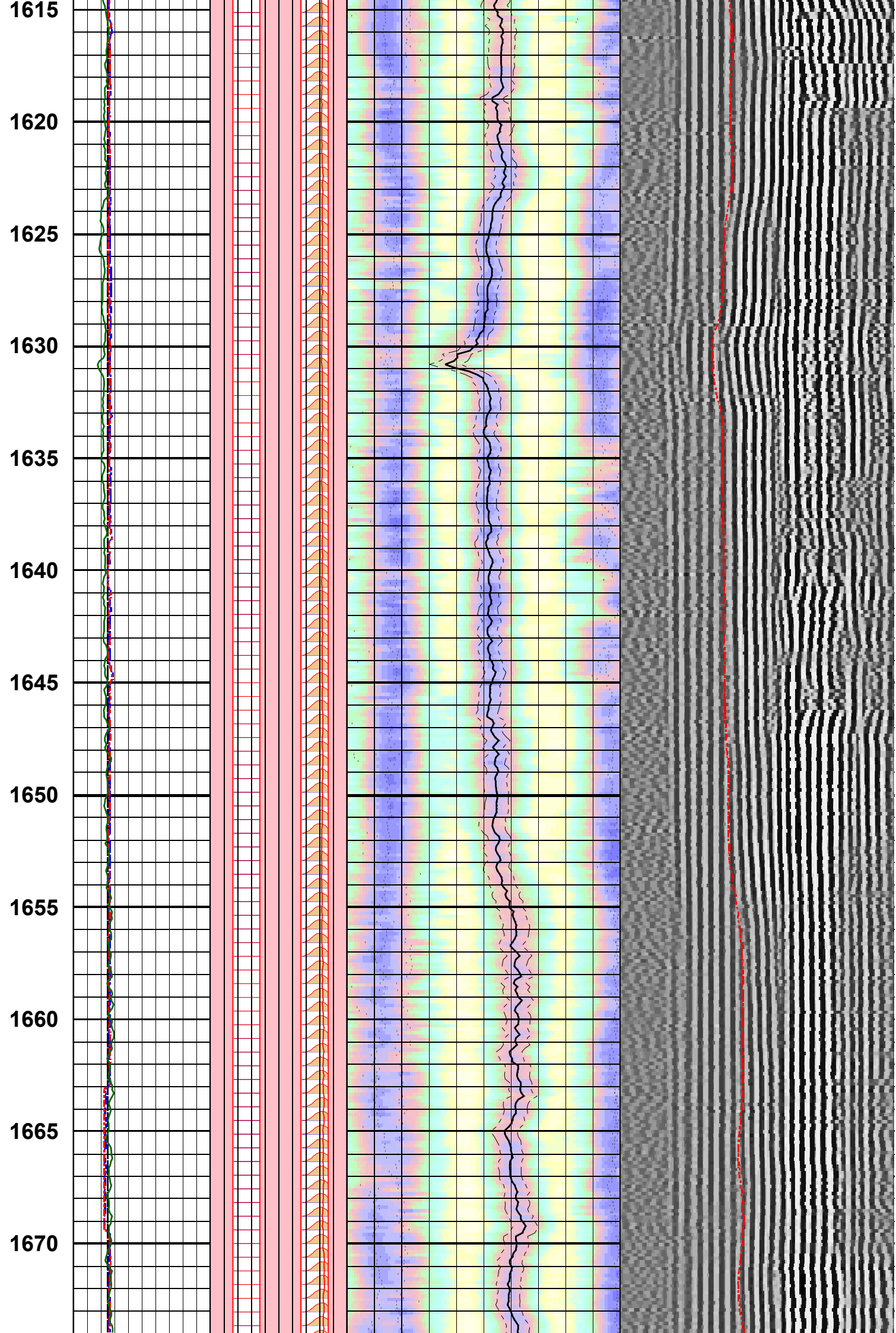


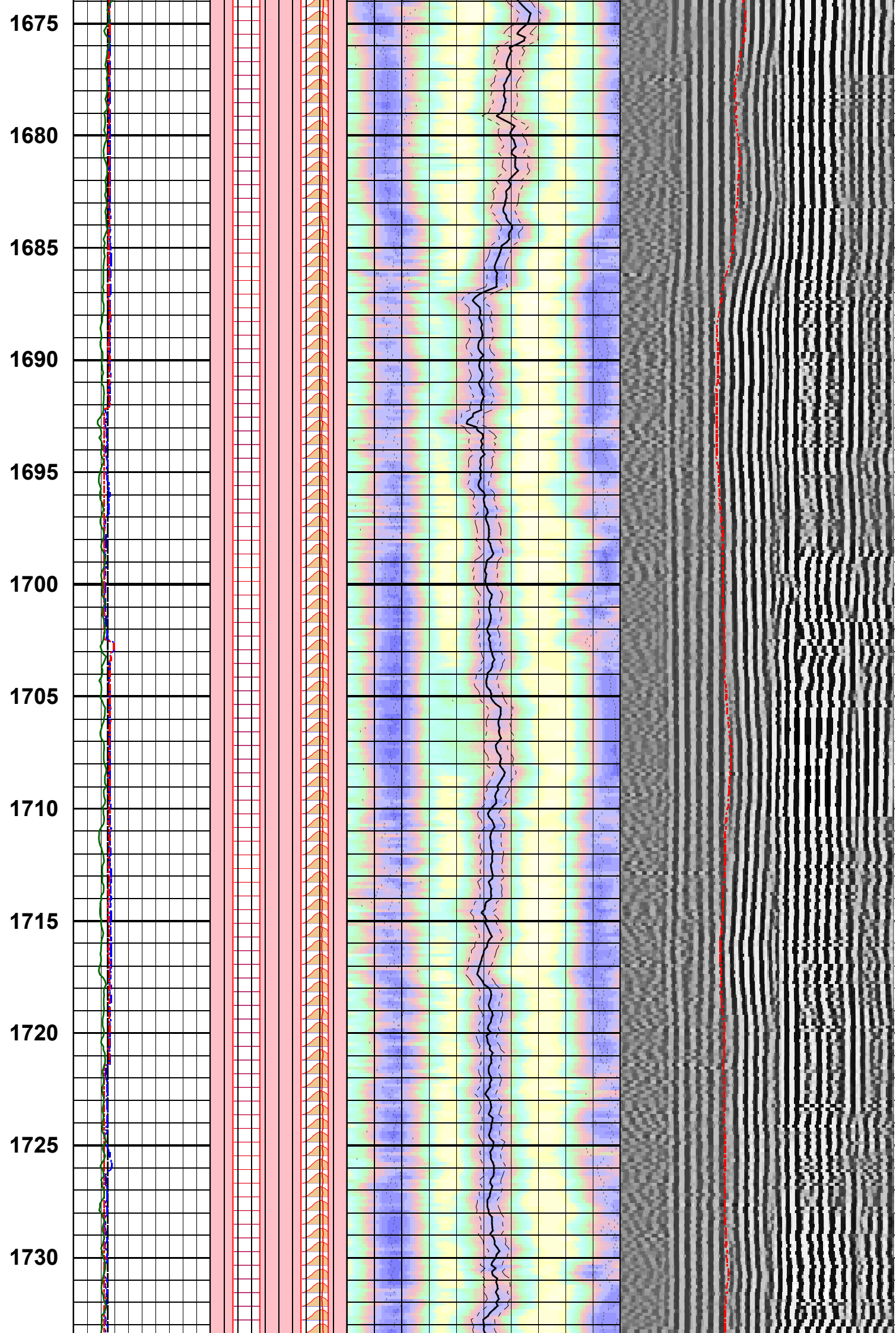


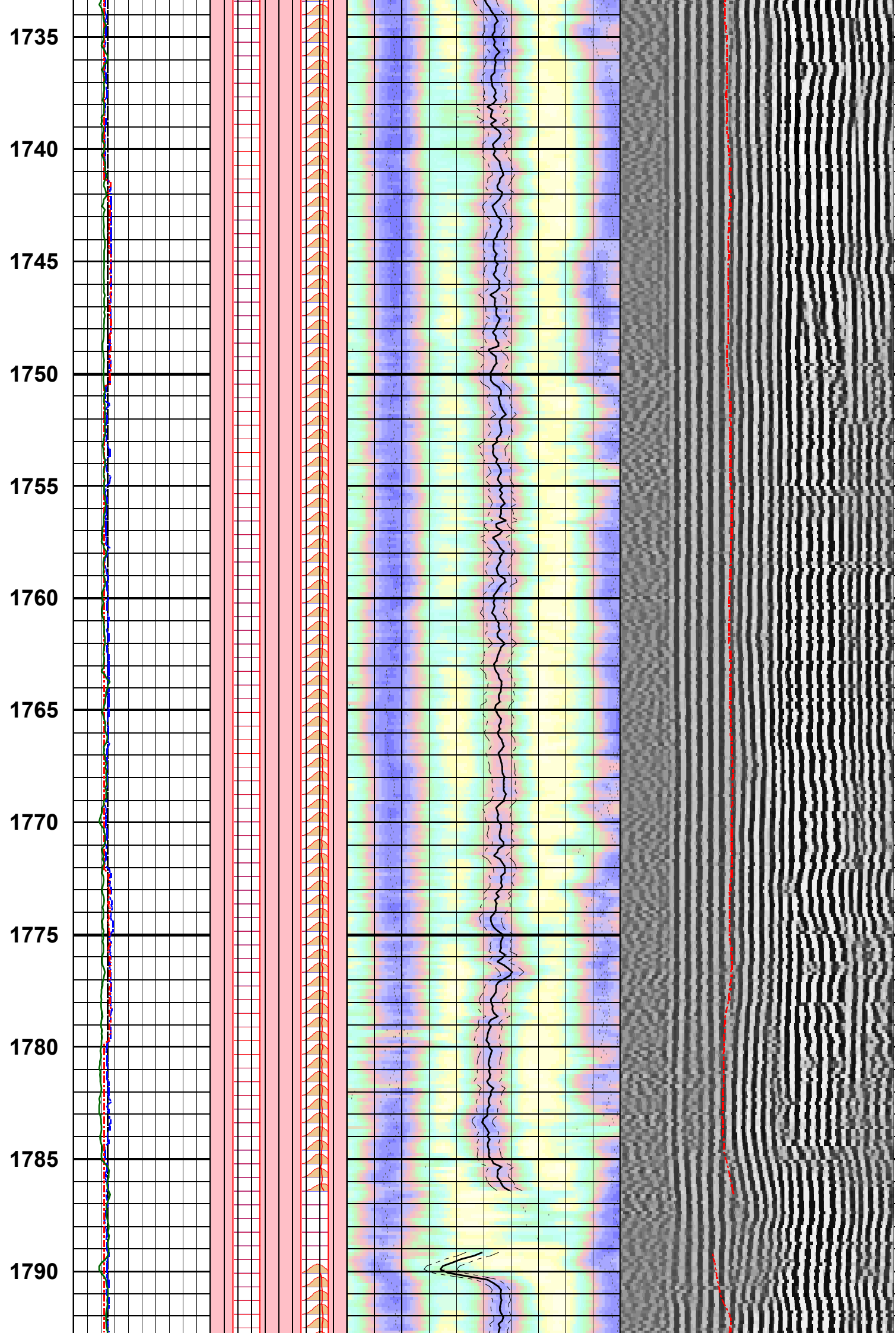


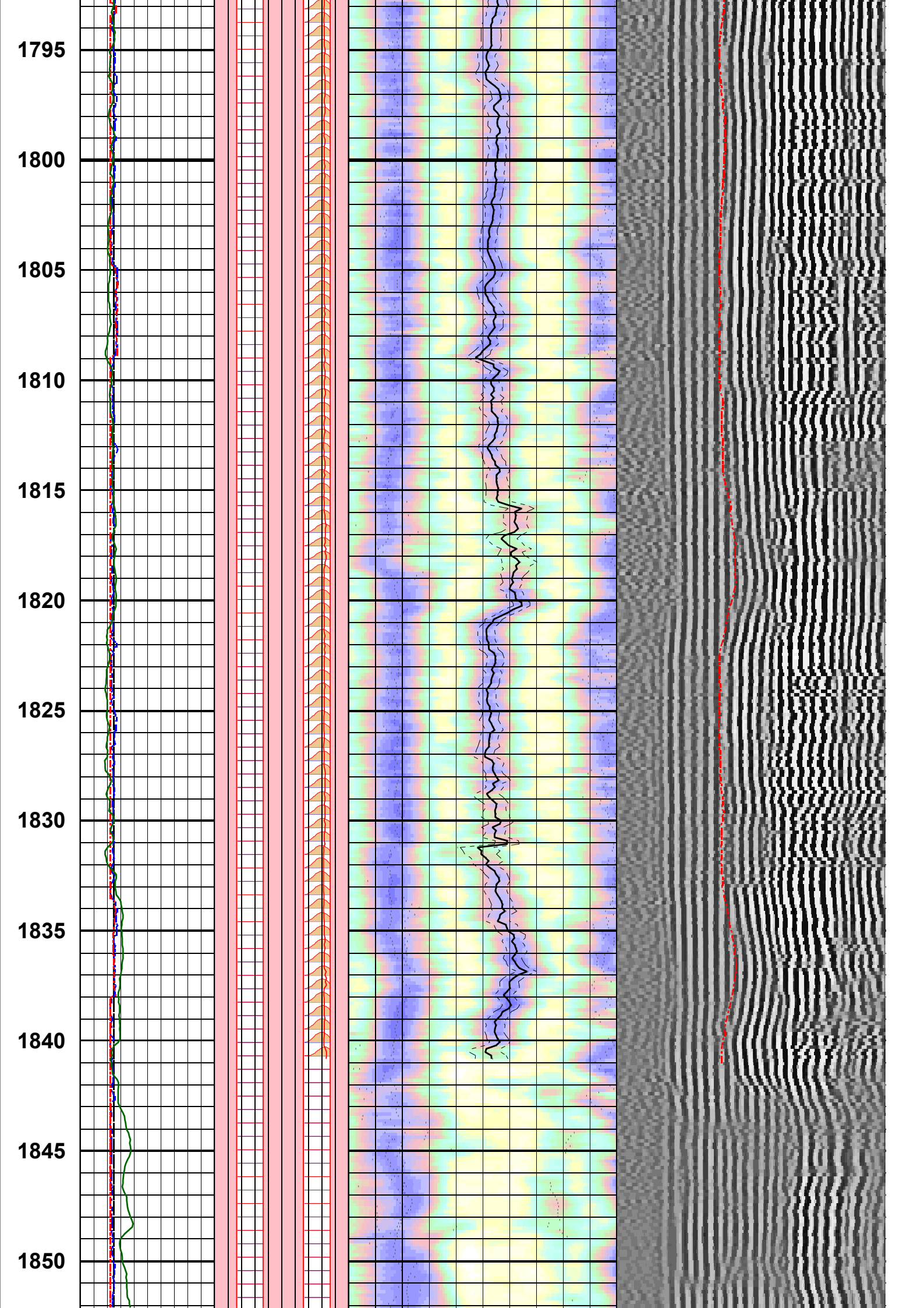


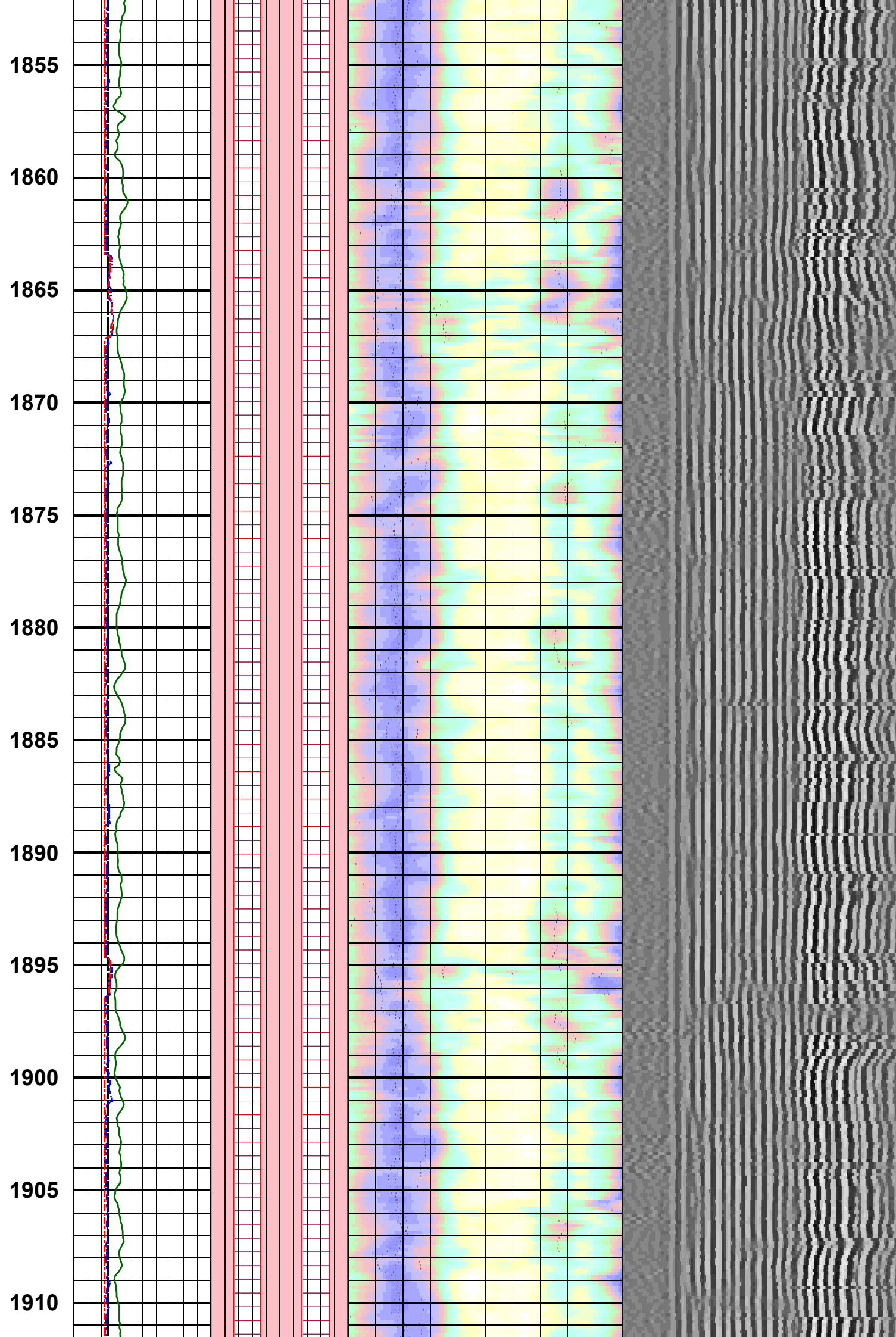


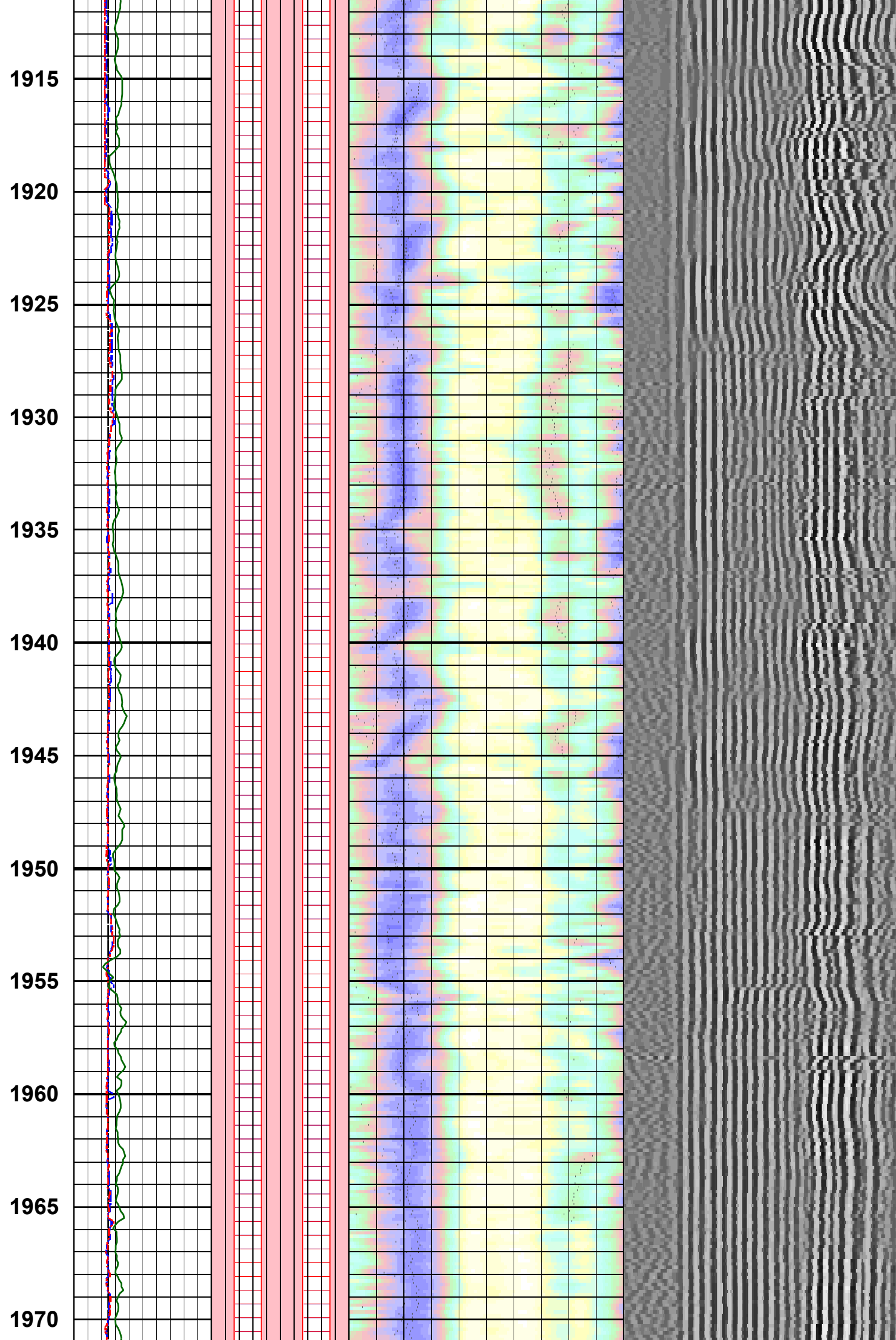


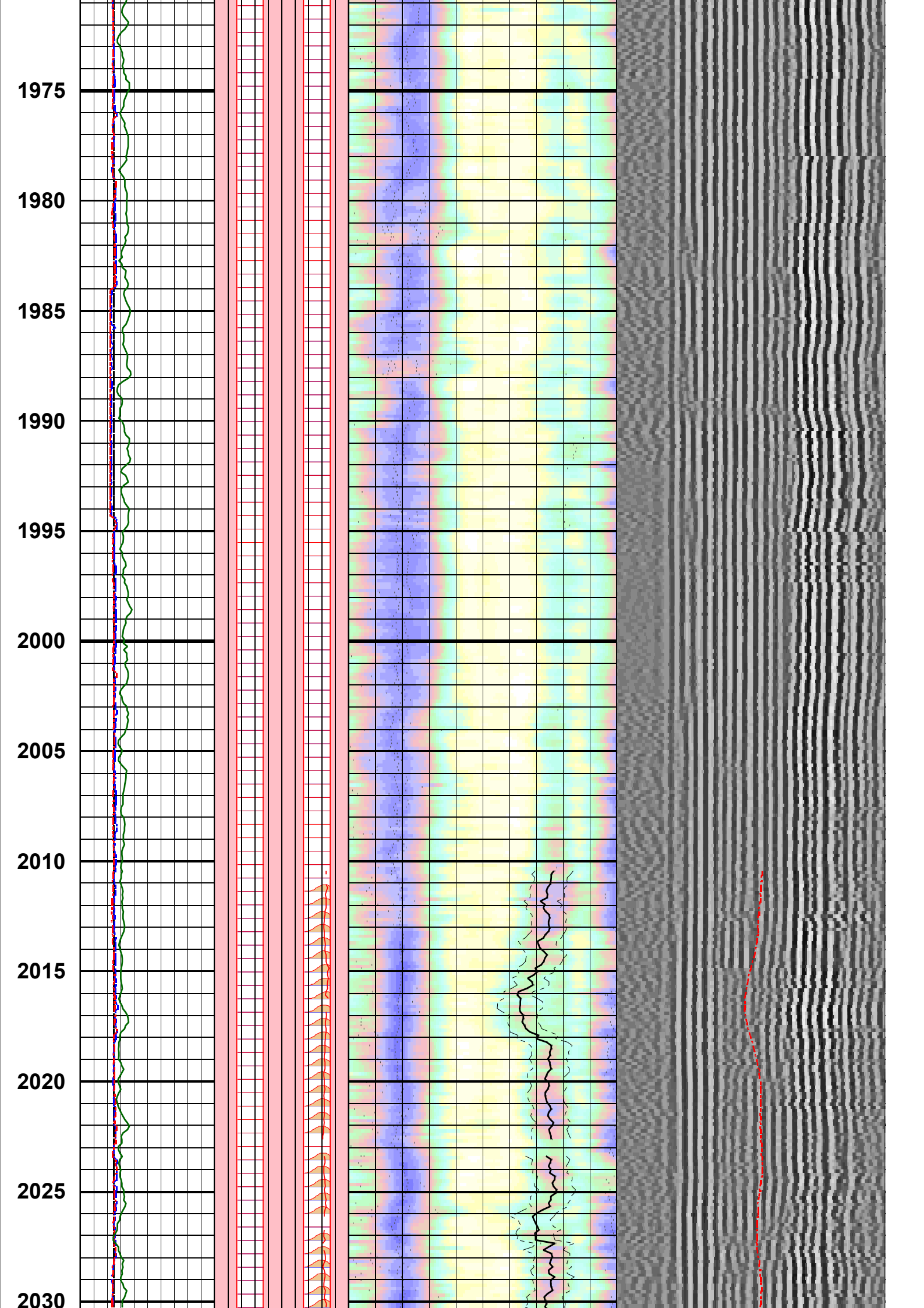


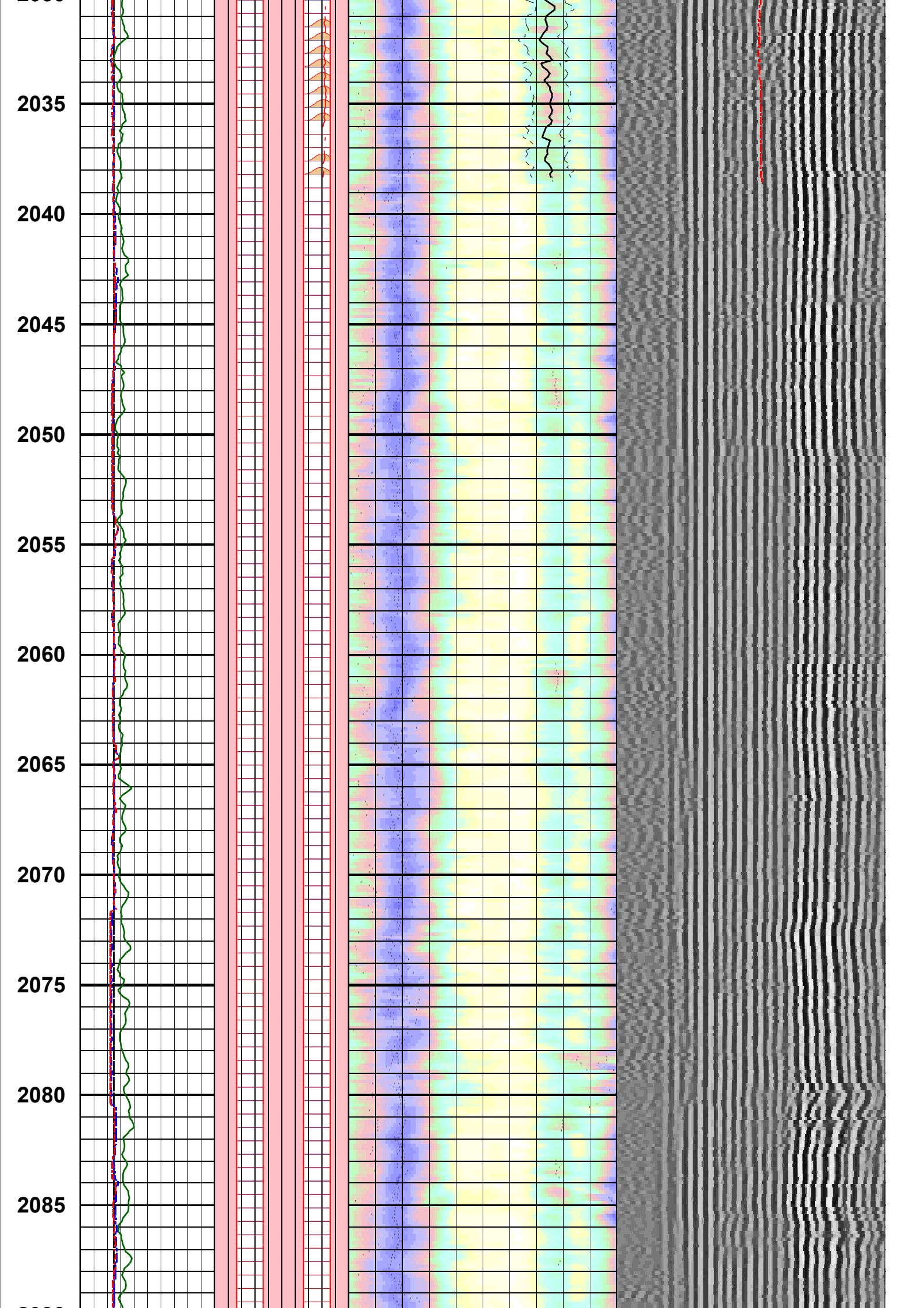


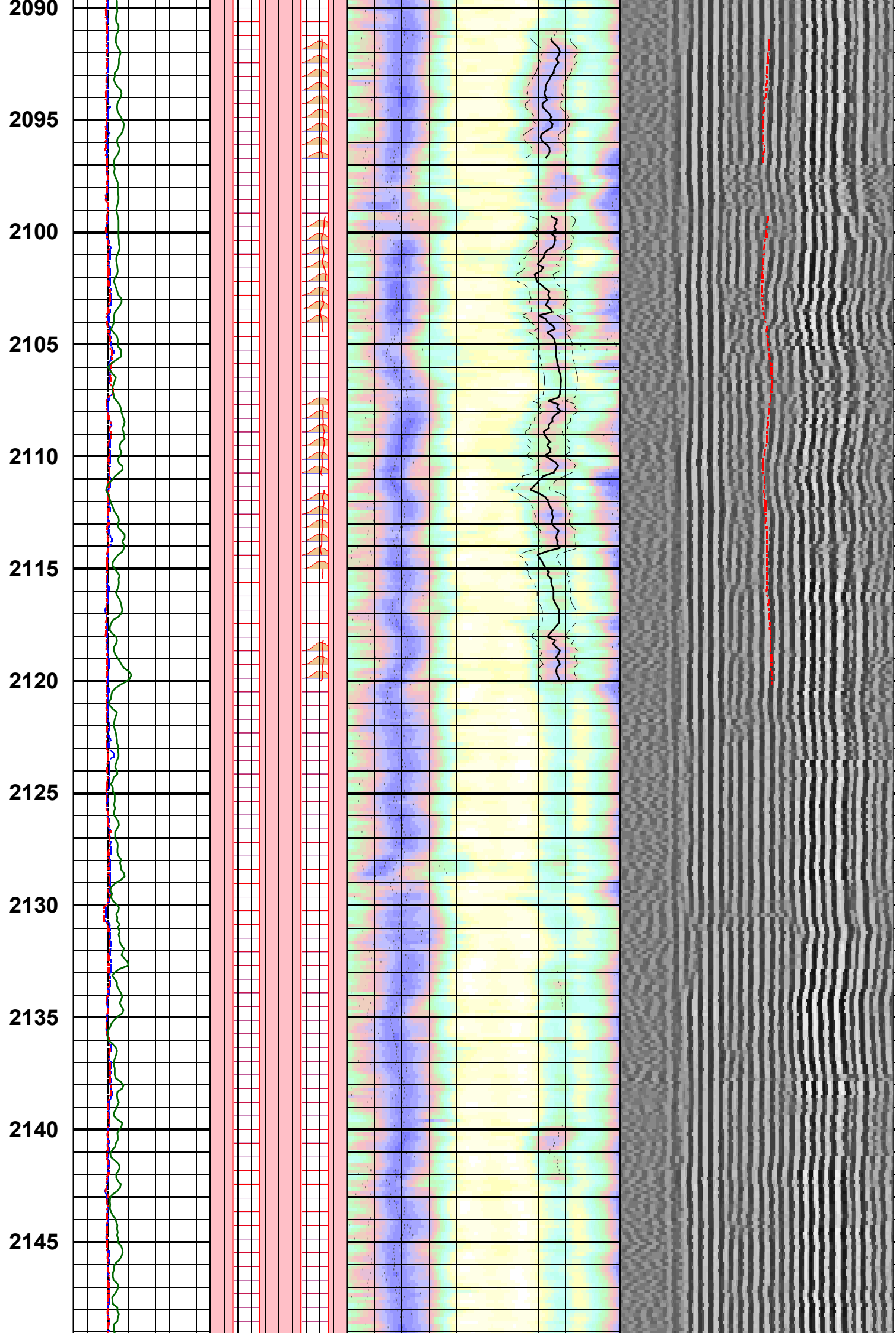


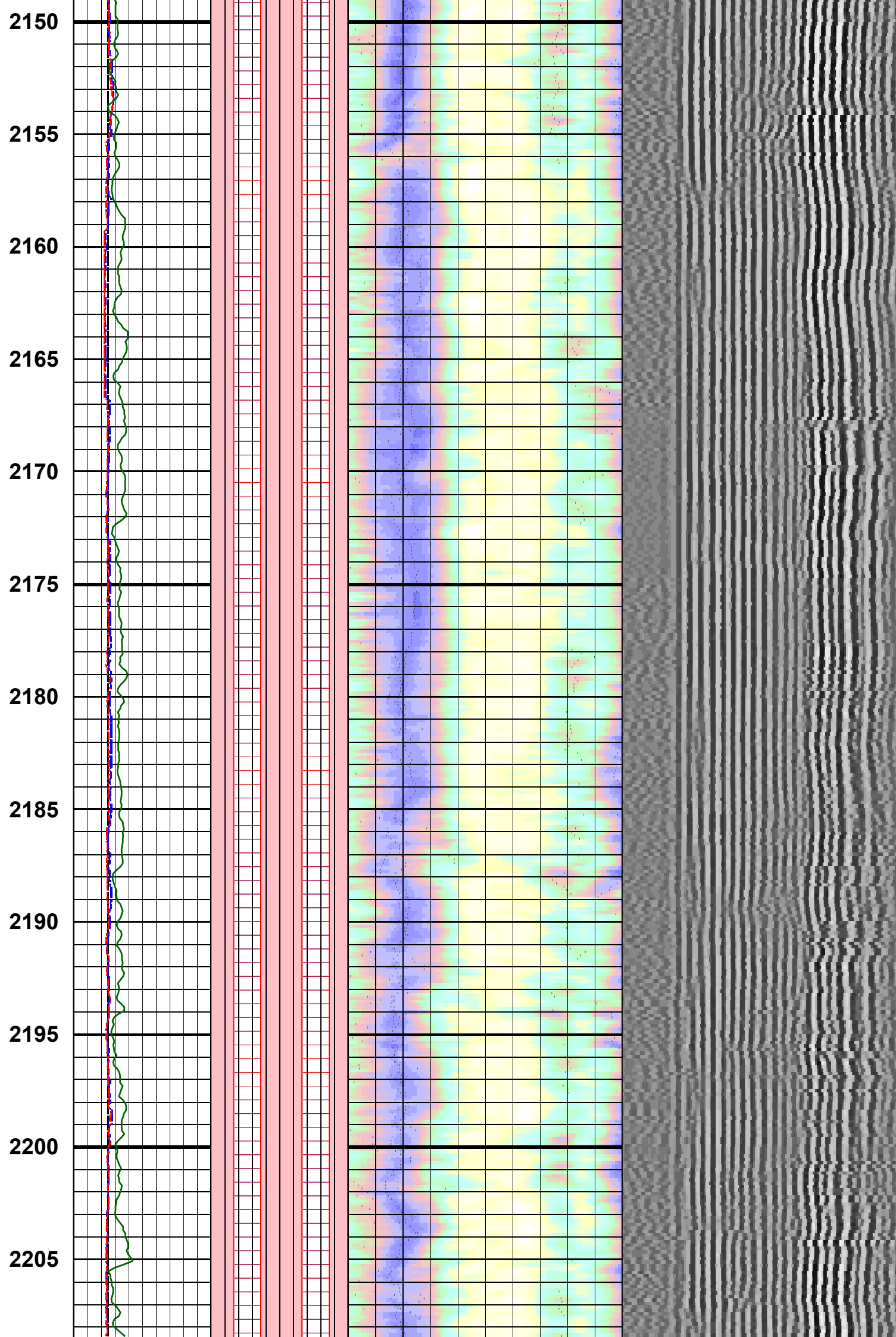




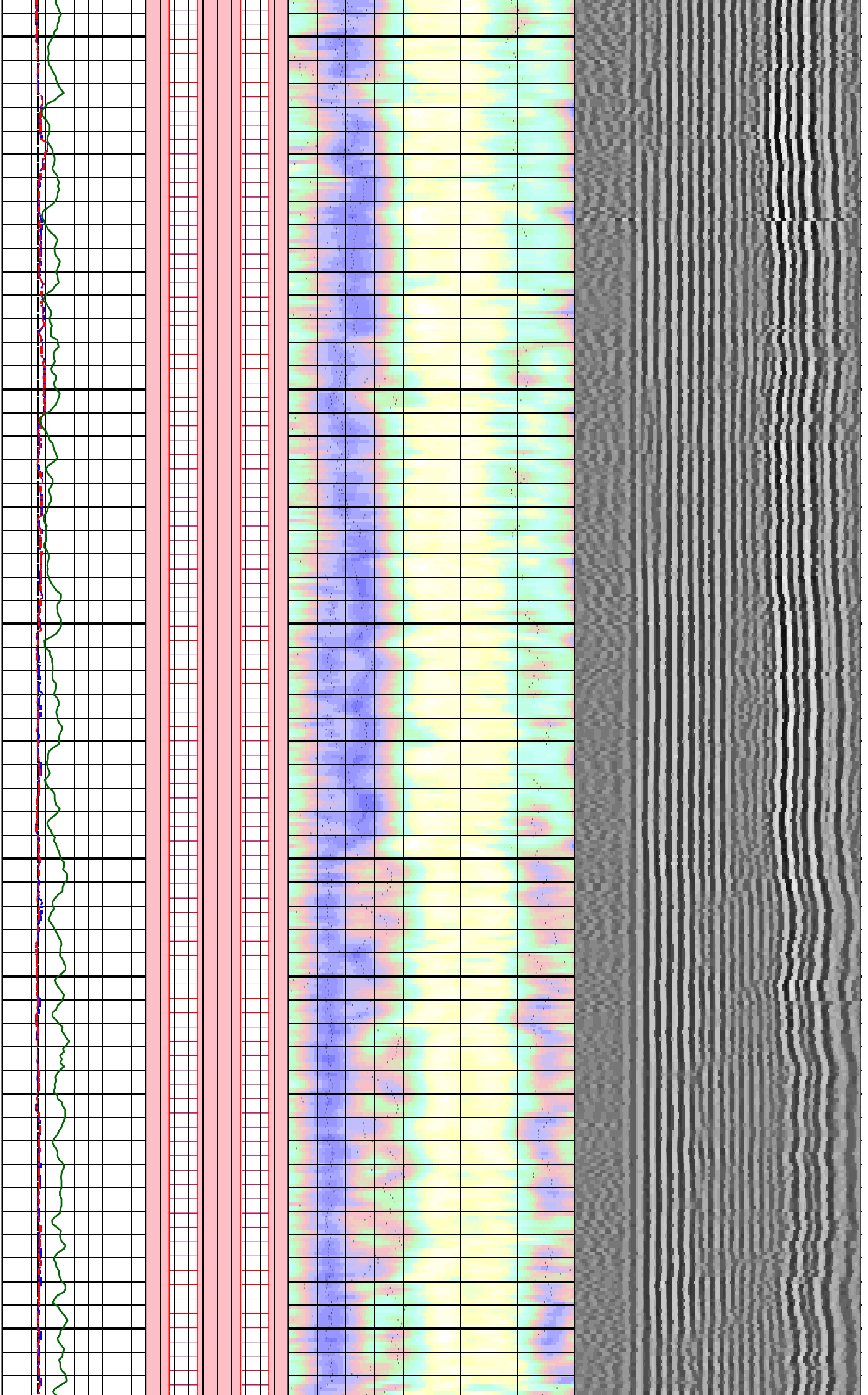


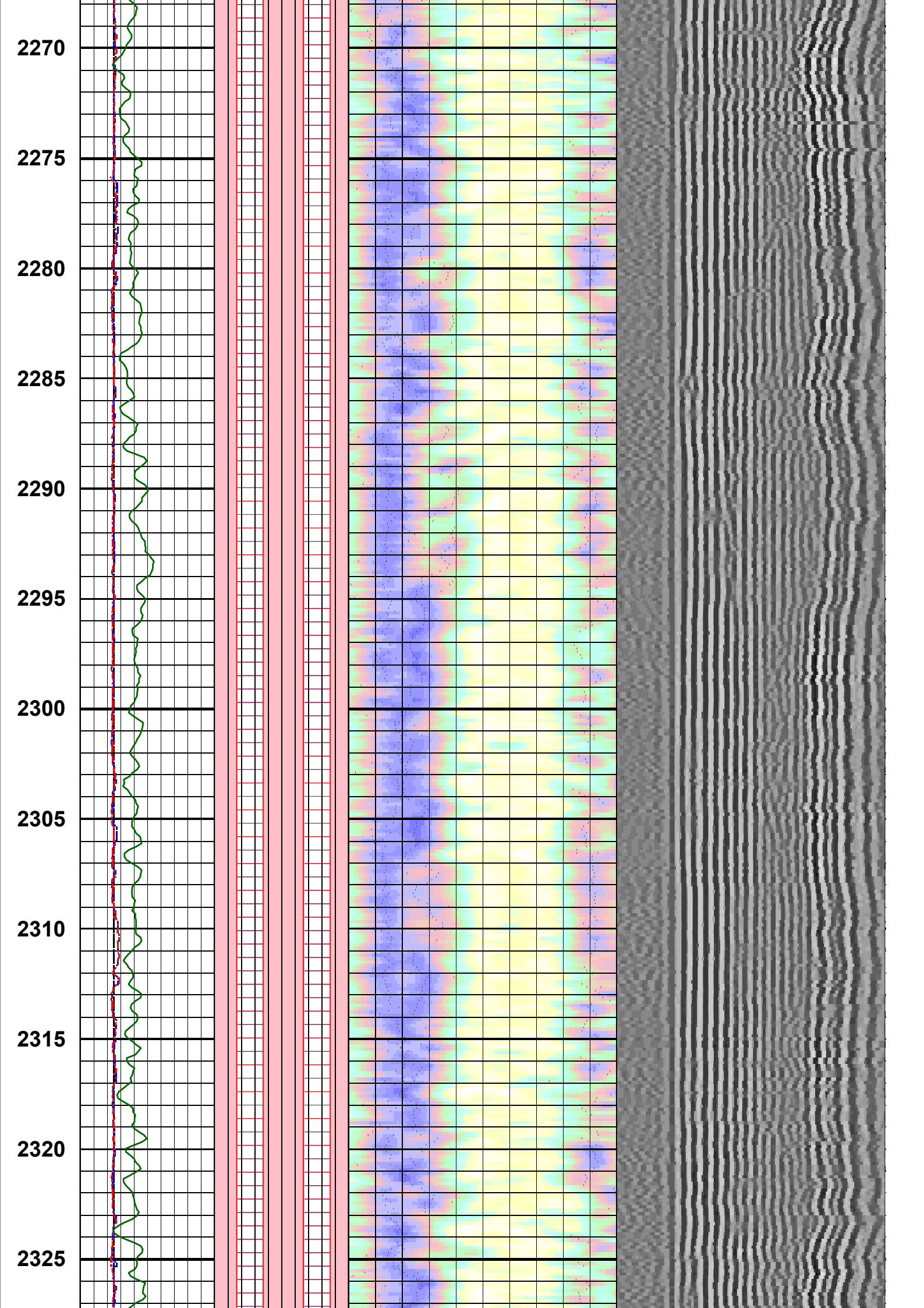


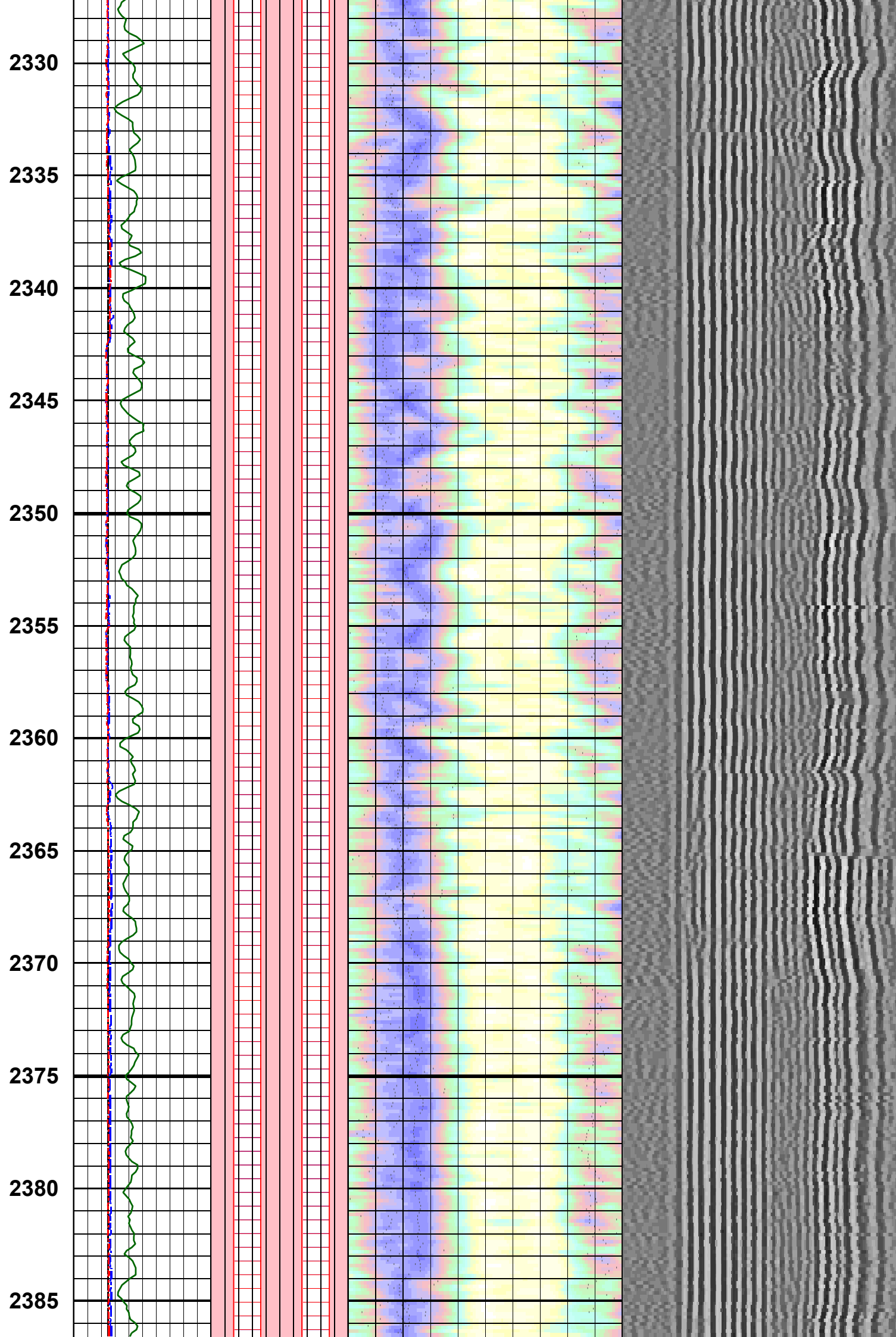


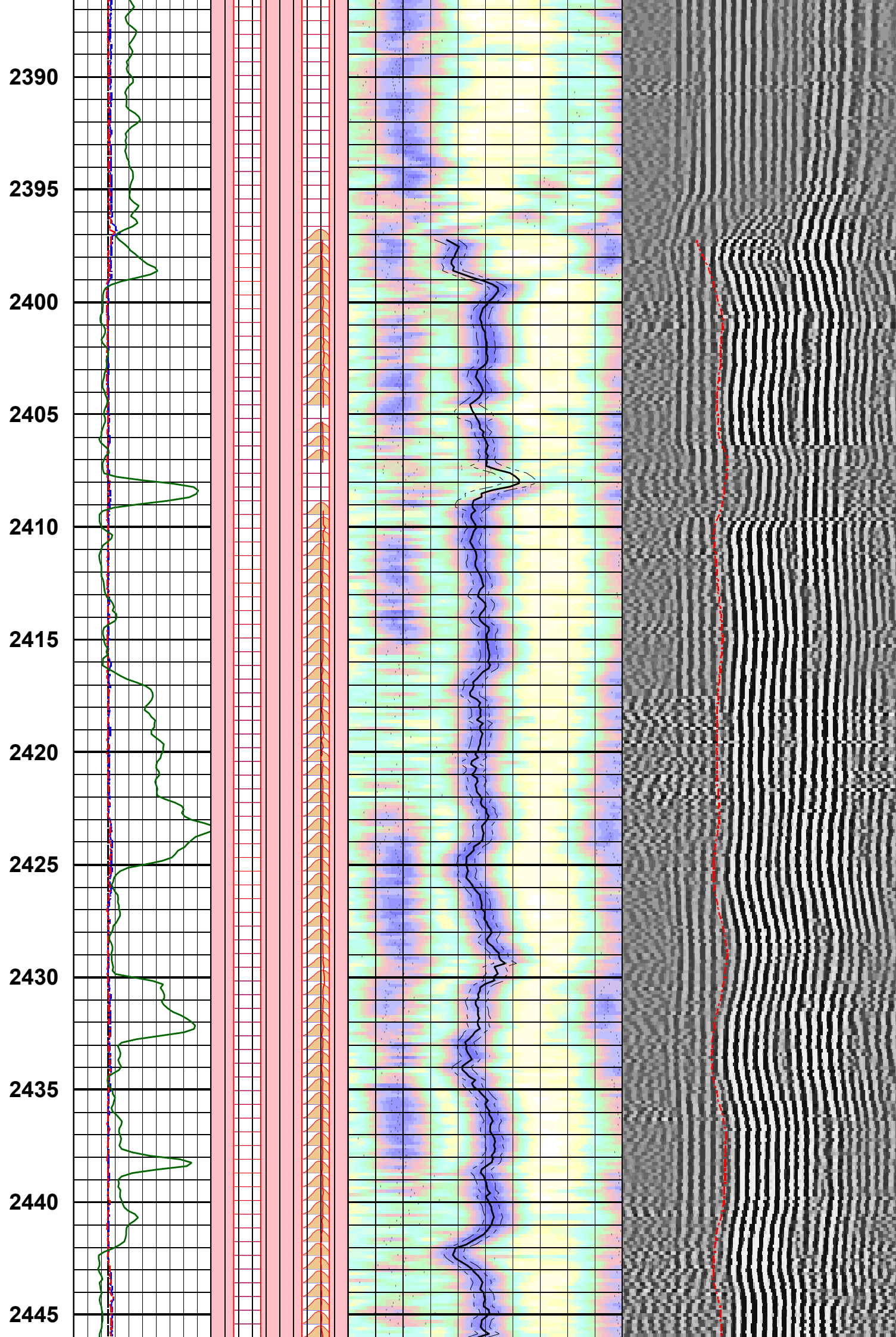


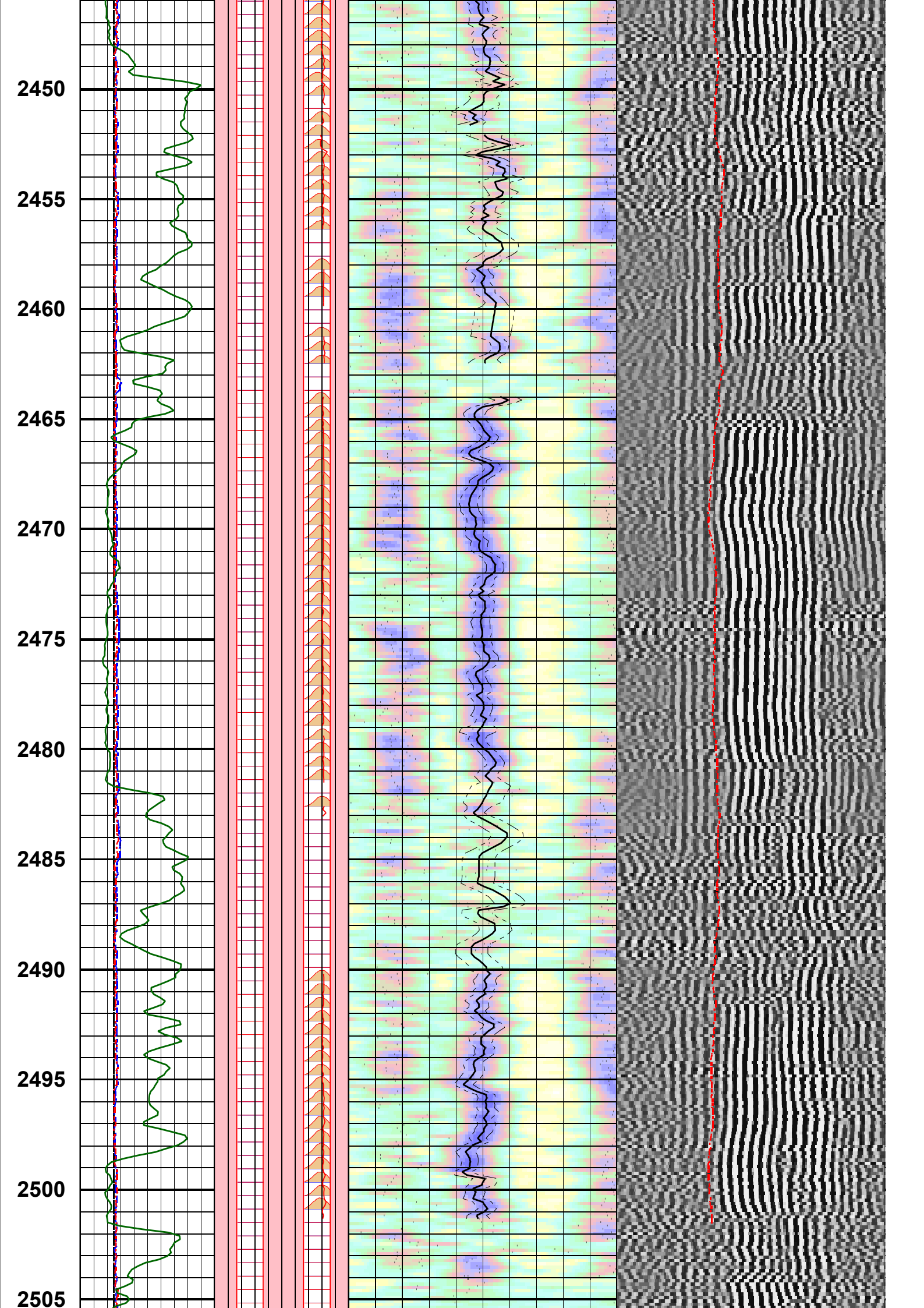
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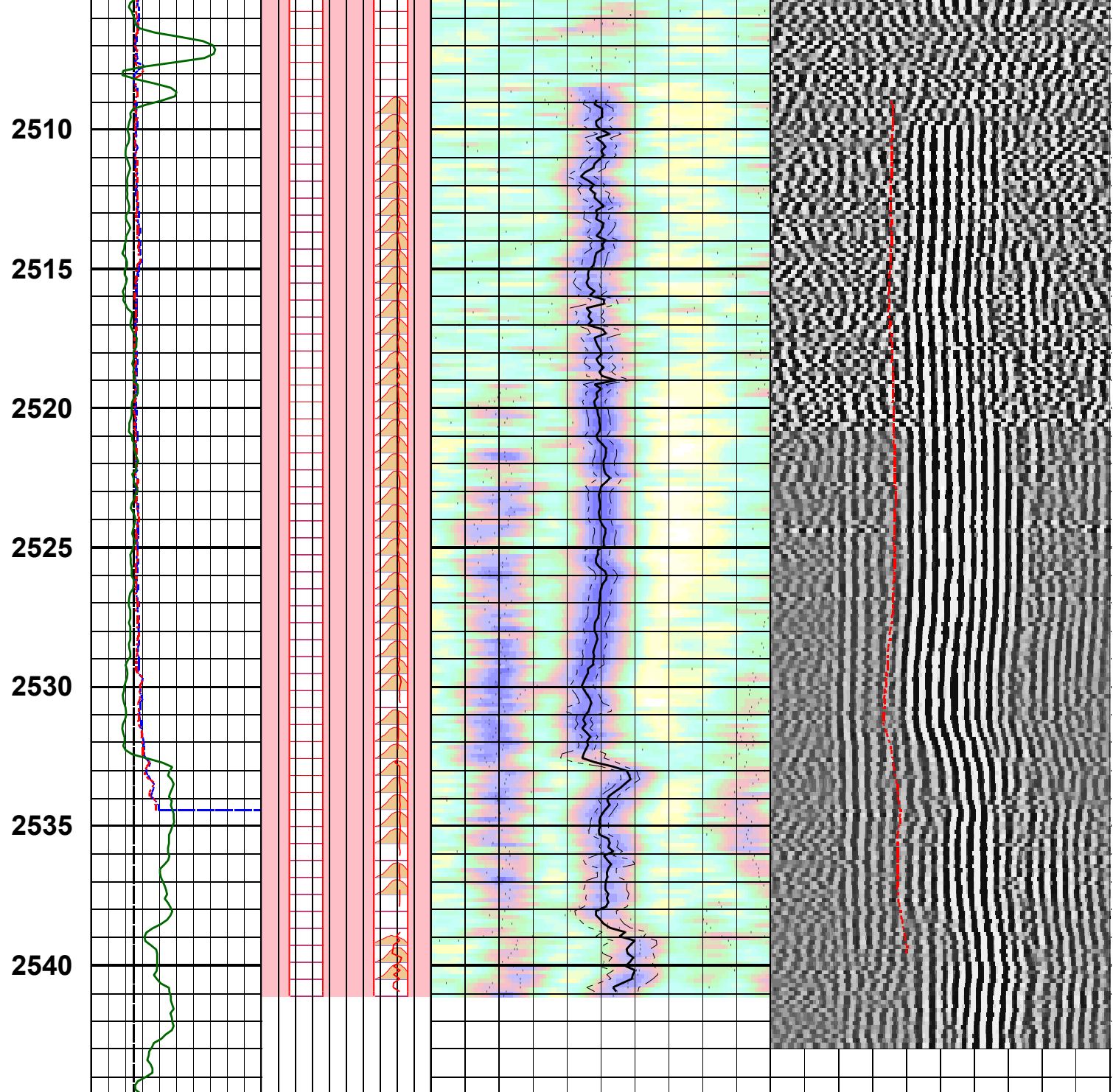












Customized Process: Start Depth (2544.12 m), Stop Depth (511.603 m), Logging Mode (ISONIC - MPS_WIDE)
Noise Cut Filtering(No), Casing Cut Filtering(No)
WF_FLG(1 1 1 1), MUD_TYPE(WBM), DTMUD(656.168), STCAL(Full Array)
TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)
Hole Diameter (BS@Run_1;1 (513.893 - 2568.55 m))
Zoning Guide (DTBC@CDF_LWD001;1 (511.454 - 2541.12 m))
Tracking Guide (DTRP@BestDT-3;2 .CO .MPS_WIDE .ISONIC .CDF_LWD001 [S48164] .BDT .EDT (2541.11 - 511.603 m))

--- Zone Top Depth (0), Zone Name (Zone1) ---
SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix*), HD(8.5)
TWI(238.281), SLL(130.294), SUL(788.277), SST(6.51469), TLL(400), TUL(3219.66), TST(39.7135)
SBW(1120), SBO(360*), SWD(65.6168), TWD(840), SEM(0.45), FLENG(47*), FLOW(5000*), FHIGH(11000*)
TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

MD 1 : 200 m	Gamma Ray	CfRS	DtRS	TISS
	0 (gAPI) 200	-15000 (Hz) 15000	130 (us/m) 780	
	Caliper2	CfRC	DtRC	
	6 (in) 16	0 (Hz) 30000	130 (us/m) 780	
	Caliper1	SpcRS	STPrjR	

6 (in) 16	-15000 (Hz) 15000	130 (us/m) 780	400 (us) 3378
Bit Size	SpcRC		TICS
6 (in) 16	0 (Hz) 30000		400 (us) 3378
			WF VDL
			400 (us) 3378

Company: Esso Australia Pty. Ltd.
Well: HLA A16A
FIELD: Halibut
Rig: ISDL 453
State: Victoria



Date Logged: 13-Jan-07 Date Processed: 16-Mar-07
Well Location: Bass Strait

API Number: 07ASQ0001