



GEOFRAME
PROCESSED
INTERPRETATION

BestD*

QC Plot – sonicVISION

885m – 2015m (1/200)

*A Mark of Schlumberger

Using the following logs: sonicVision

COMPANY:	Santos
WELL:	Henry-2
FIELD:	Otway
Rig	Ocean Patriot
STATE:	Victoria
COUNTRY:	Australia
Date Logged:	14-Sep-2008
	Date Processed: 15-Sep-2008

API Number: 08ASQ0011

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.

Field Recording:	Location:	Software Version: 13X0-101	Engineer: Anagh Kohli
Office Recording:	ICS Center:	Baseline: GF 4.4 DC1	Log Analyst: A. Datey

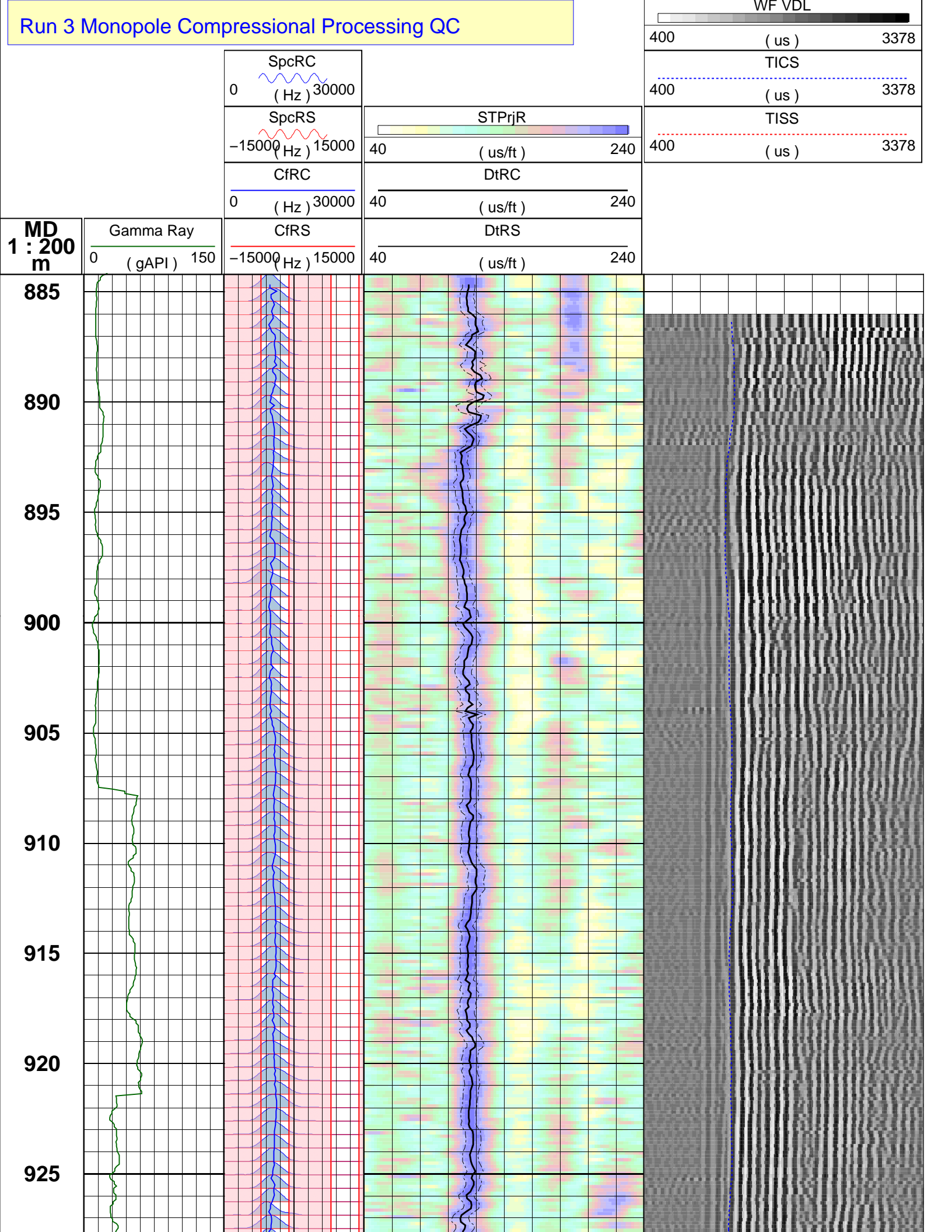
Mud and Borehole Measurements:

Rm @ Measured Temperature:	@	BHT:	Bitsize: 12.25in
Rmf @ Measured Temperature:	@	Type Fluid in Hole:	
Rmc @ Measured Temperature:	@	Mud Density: 1.35g/cm3	

Remarks:

See the bottom of the QC log for more processing parameters.
Log affected by hole conditions specially in shales.

Run 3 Monopole Compressional Processing QC



930

935

940

945

950

955

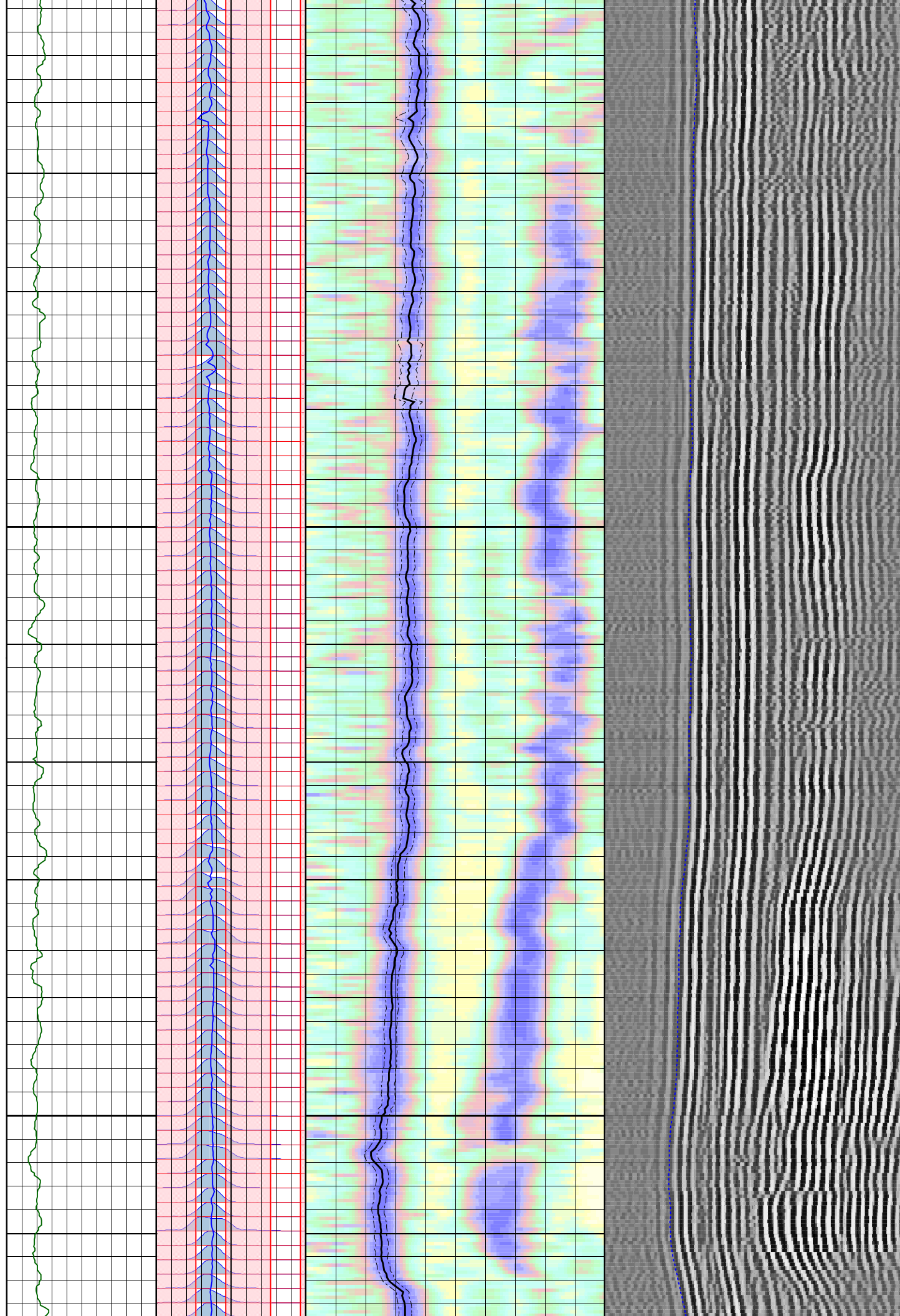
960

965

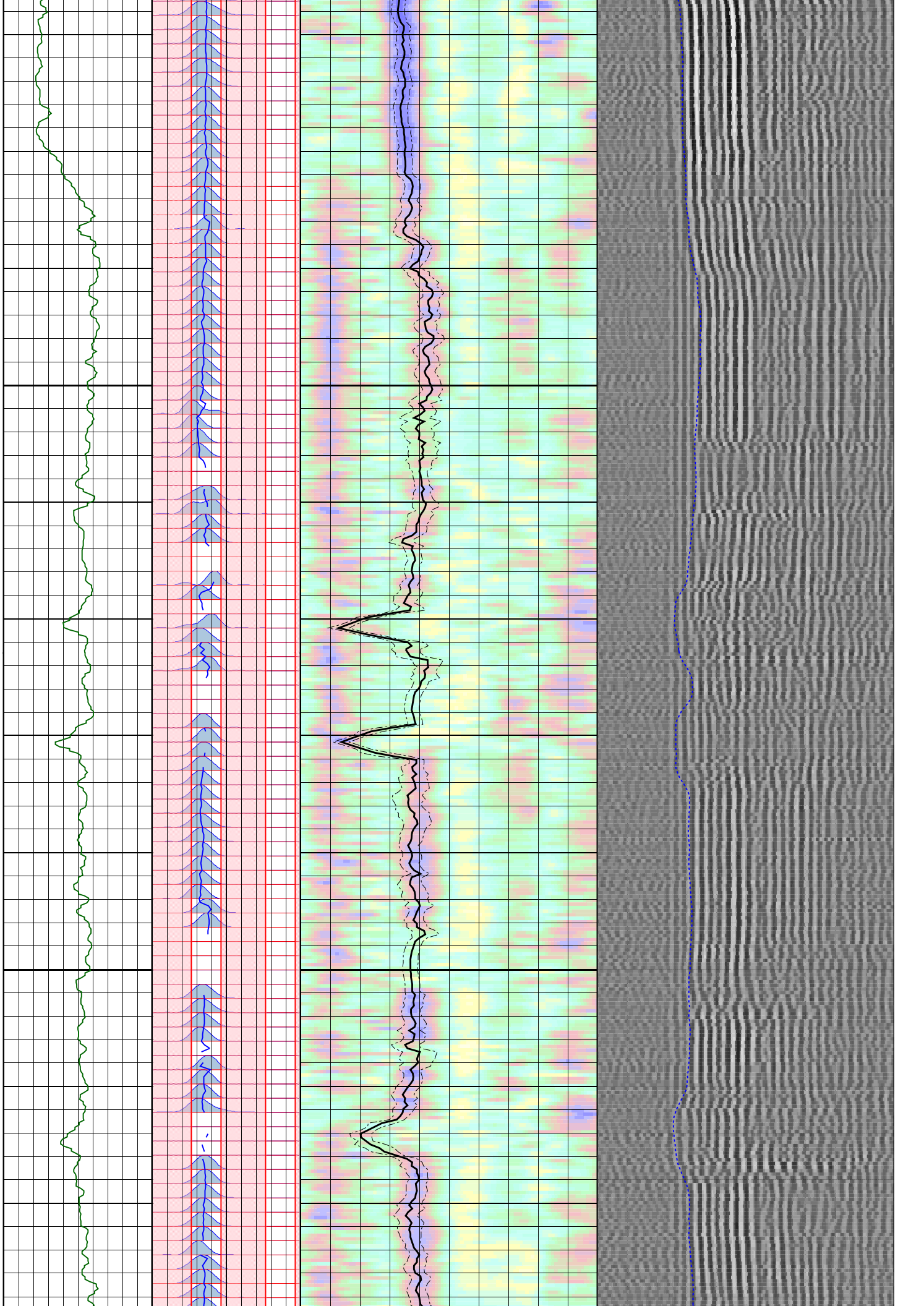
970

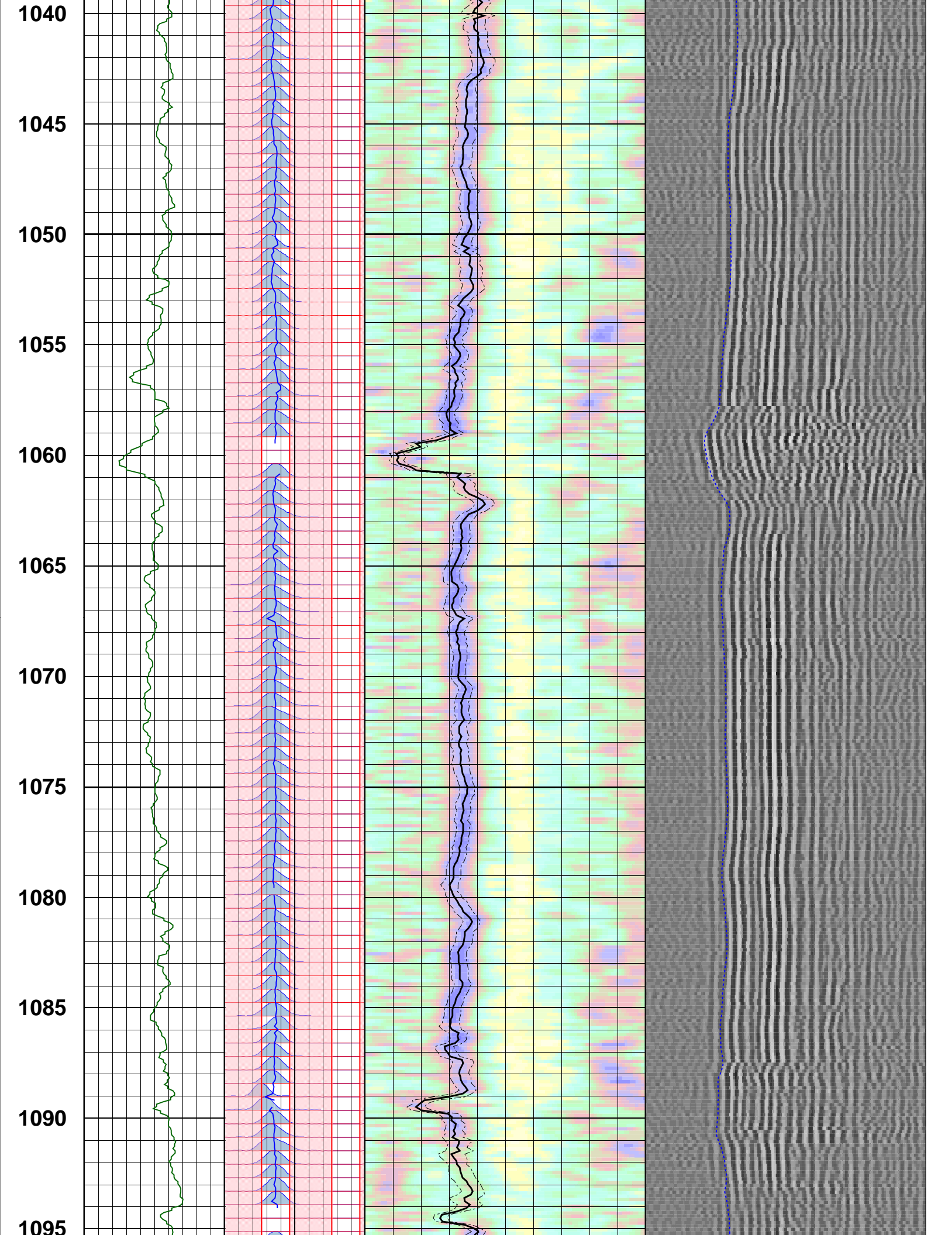
975

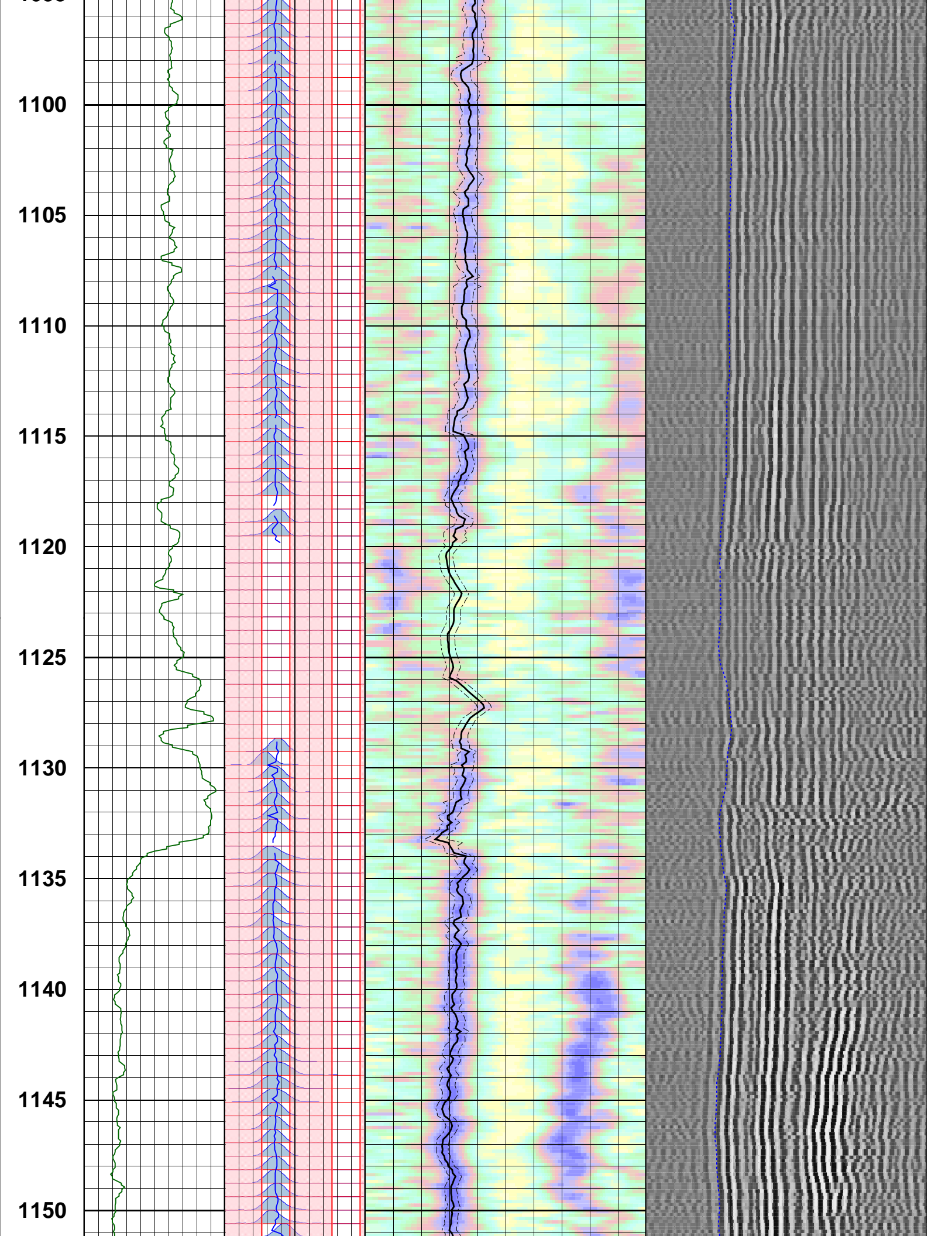
980

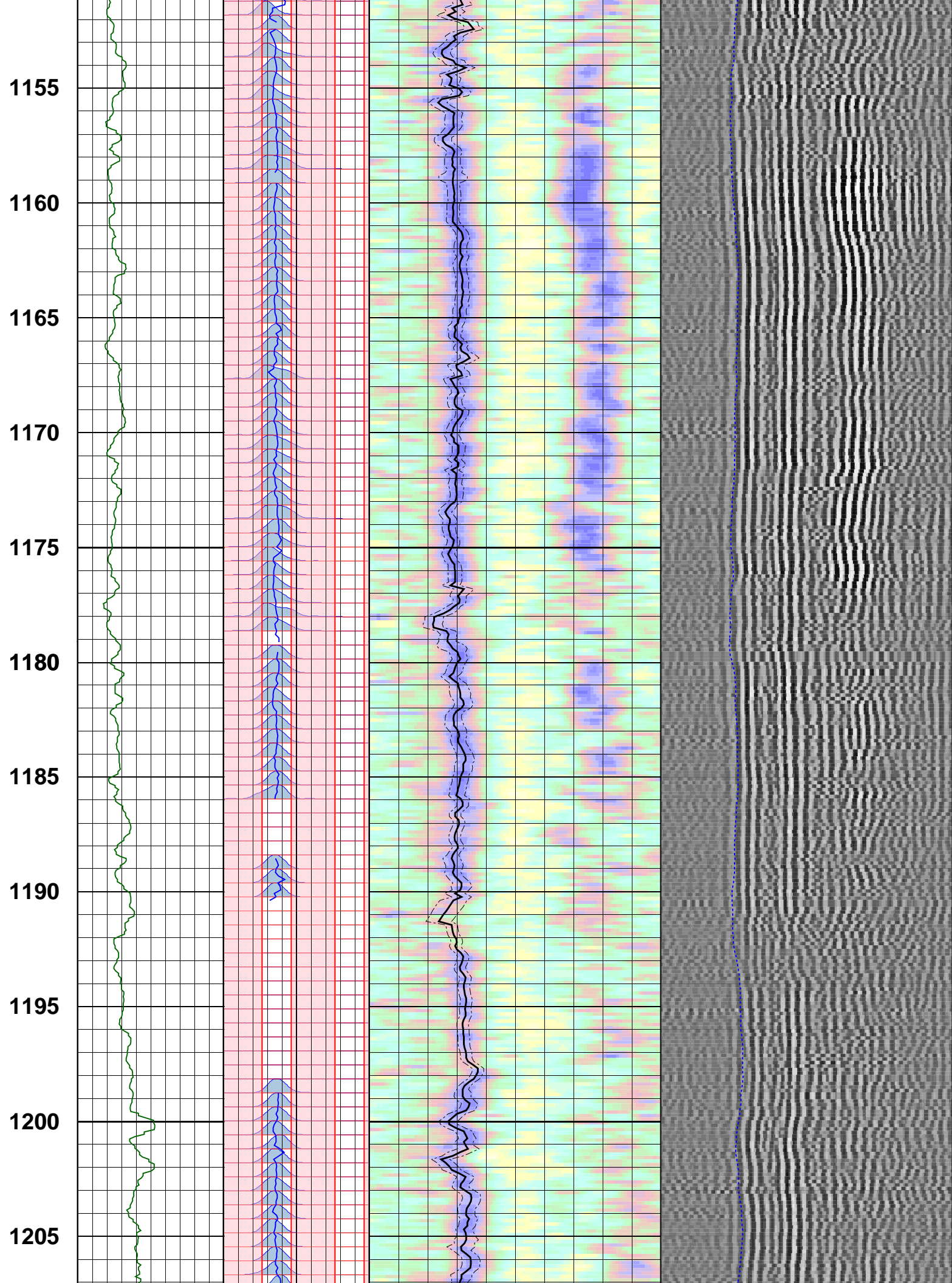


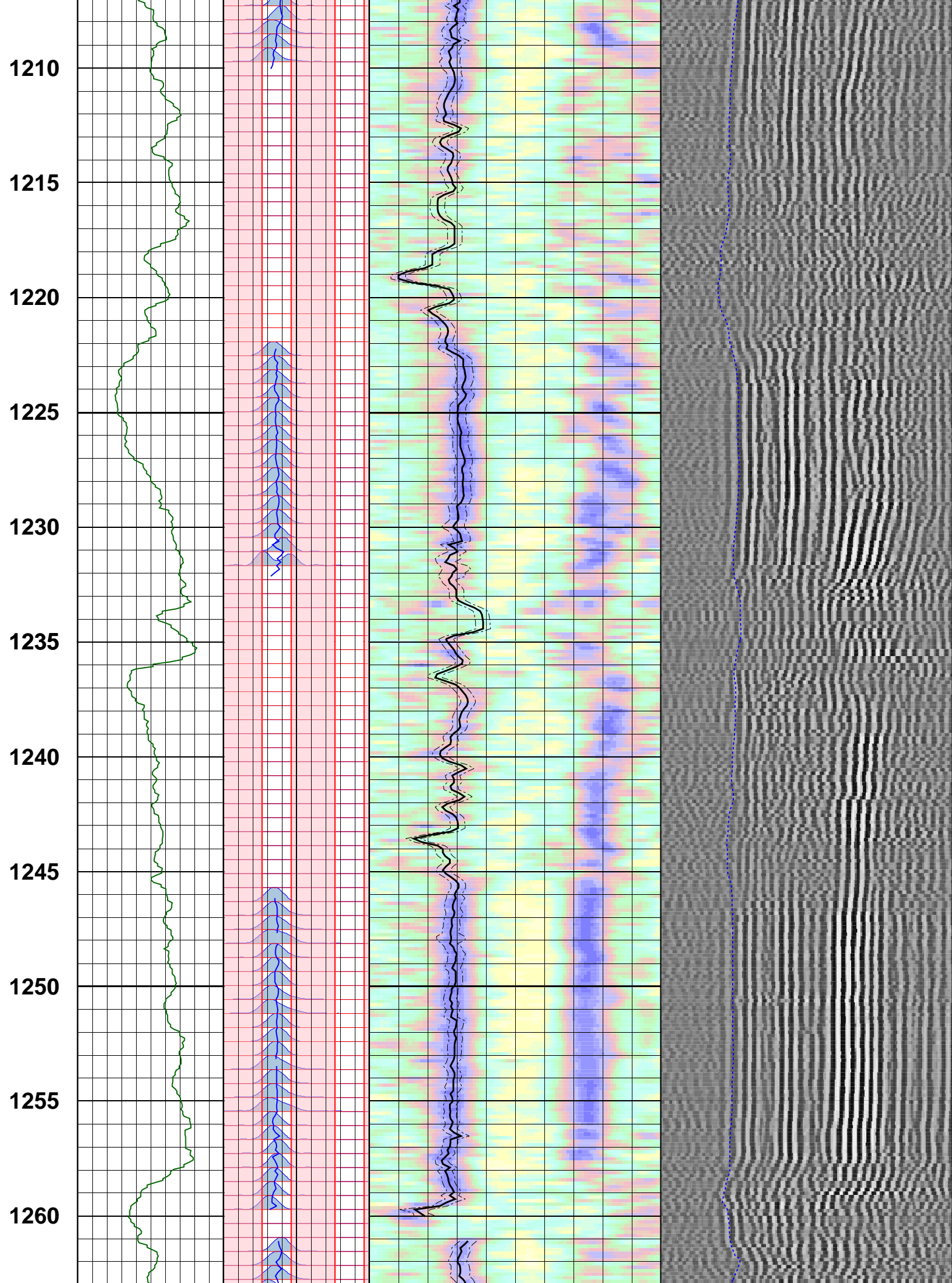
985
990
995
1000
1005
1010
1015
1020
1025
1030
1035

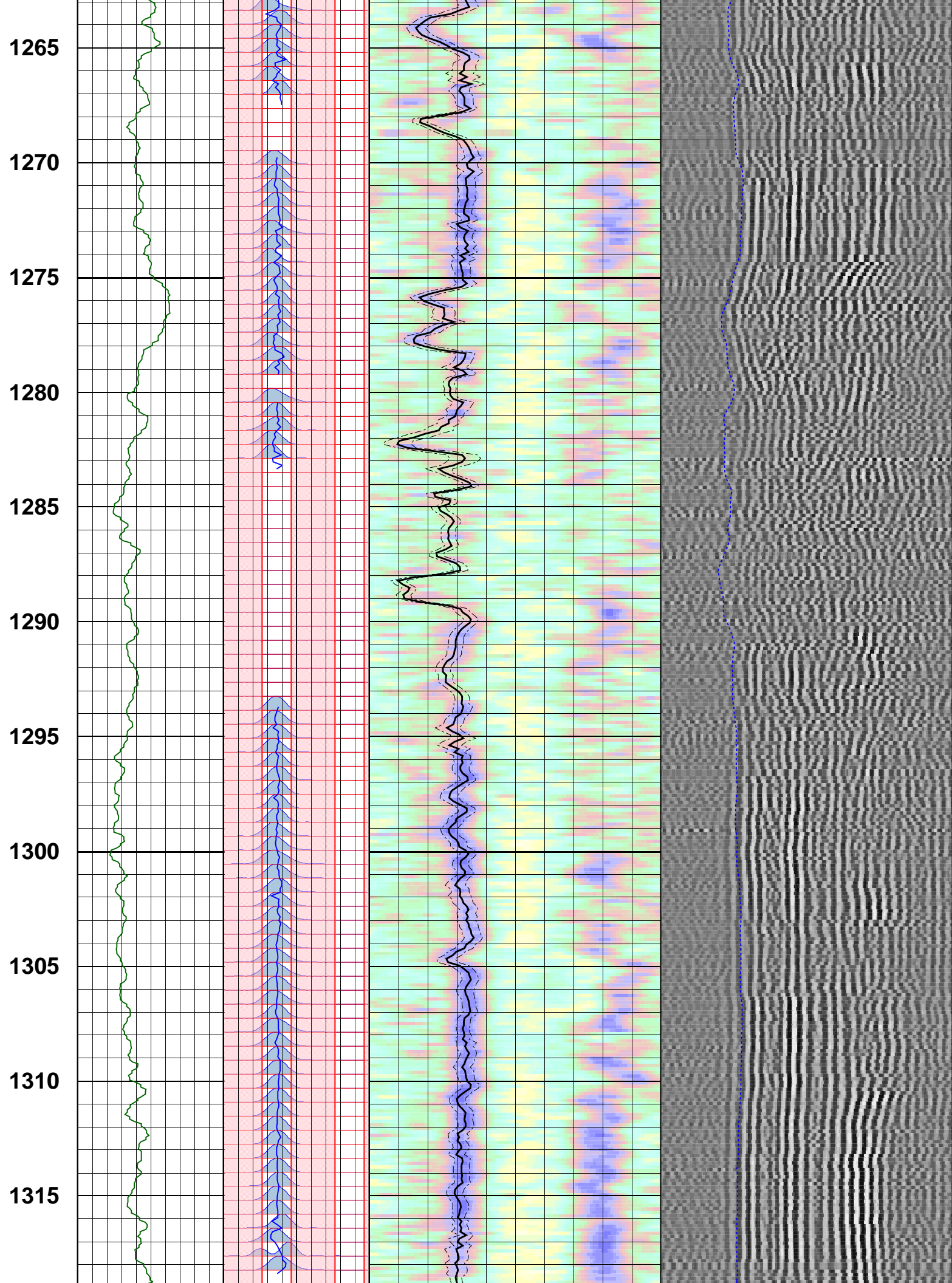


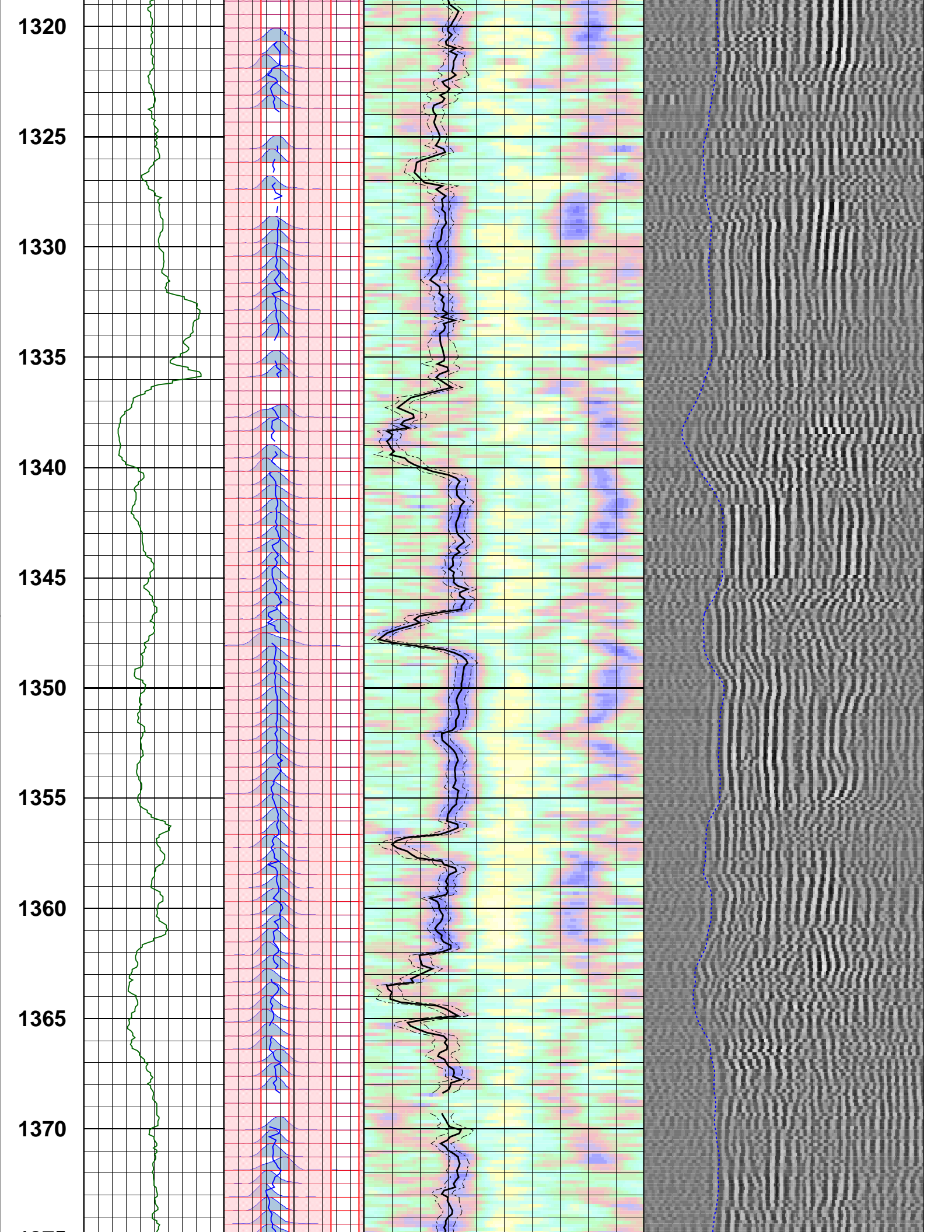


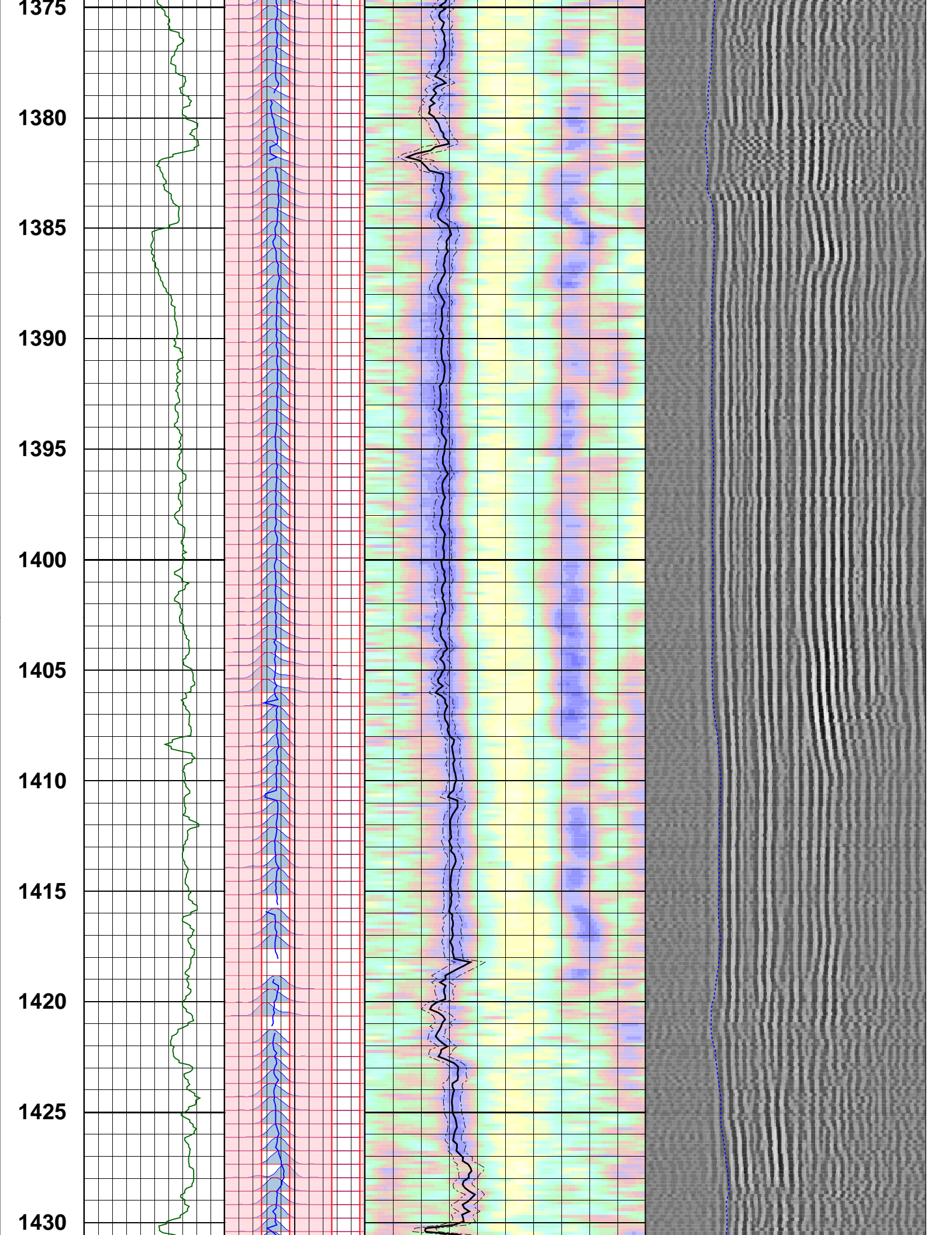


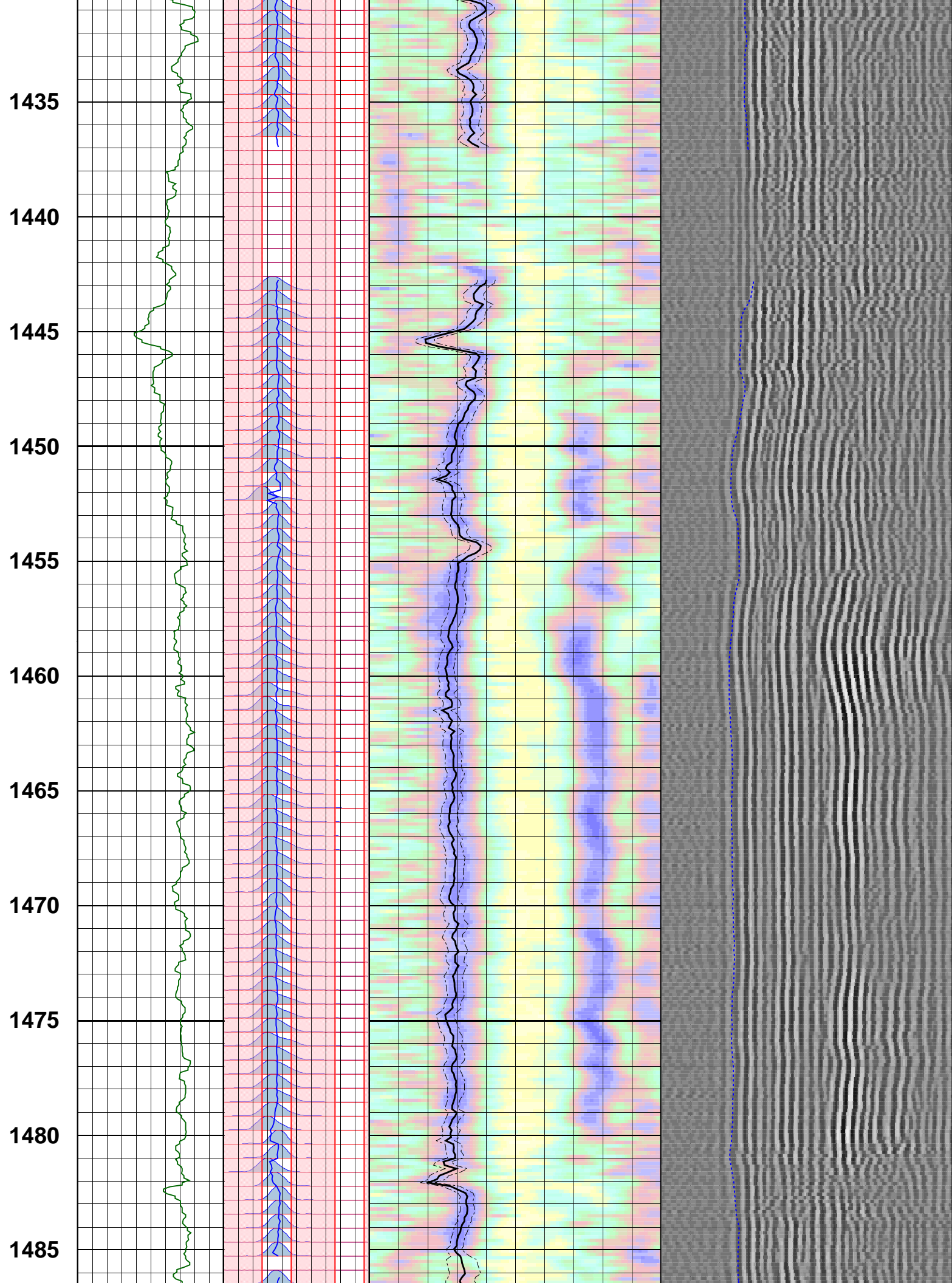


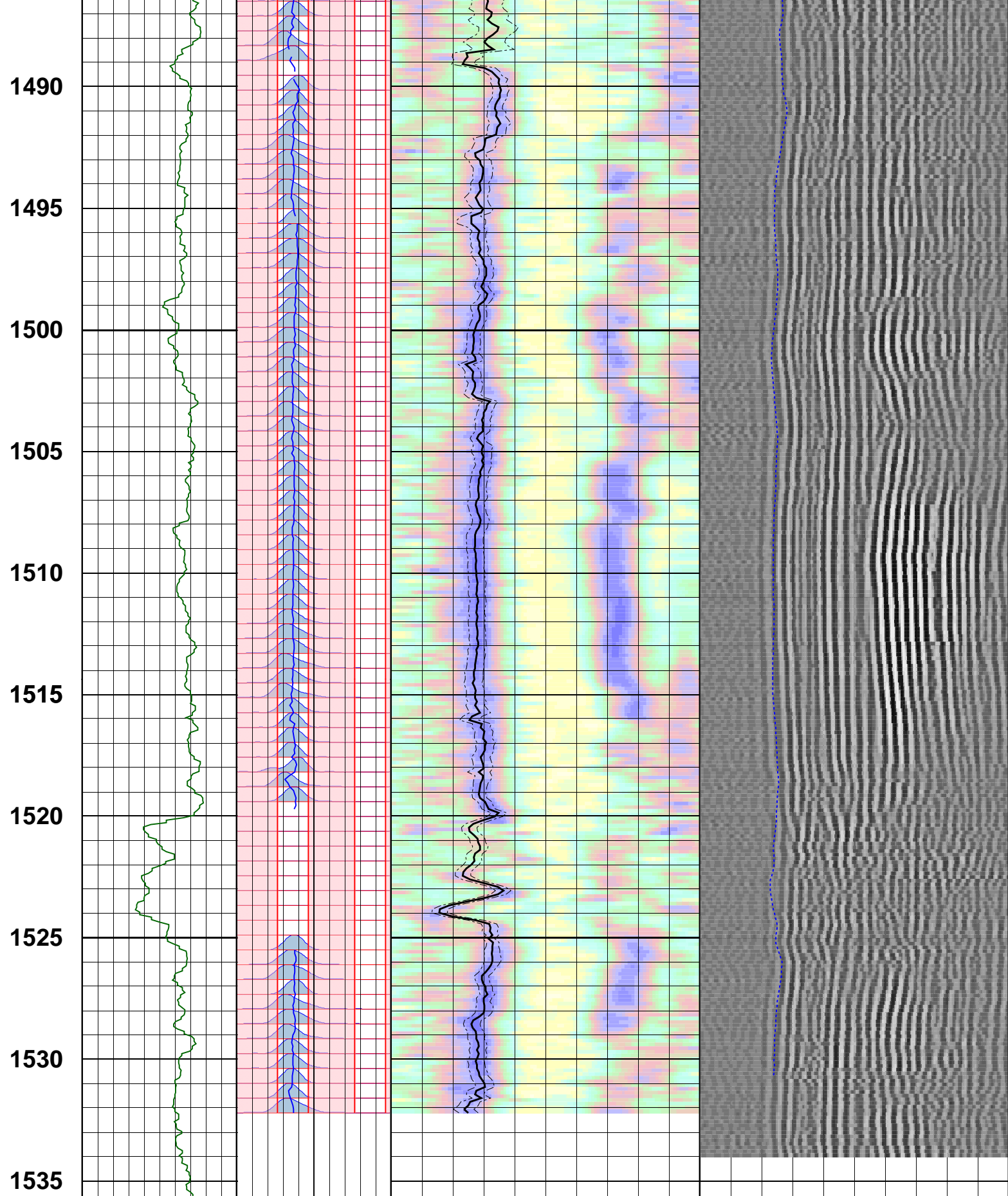






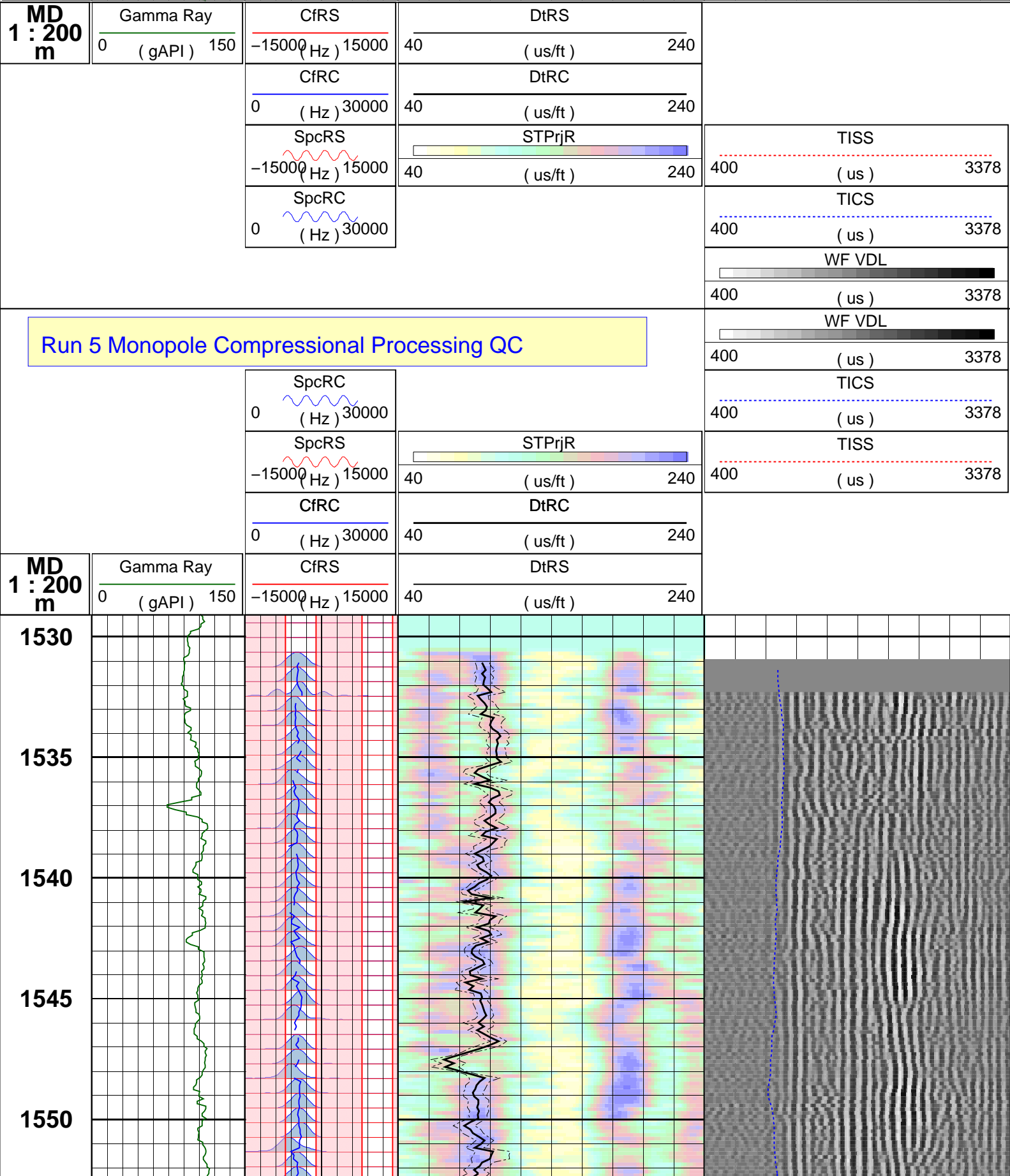


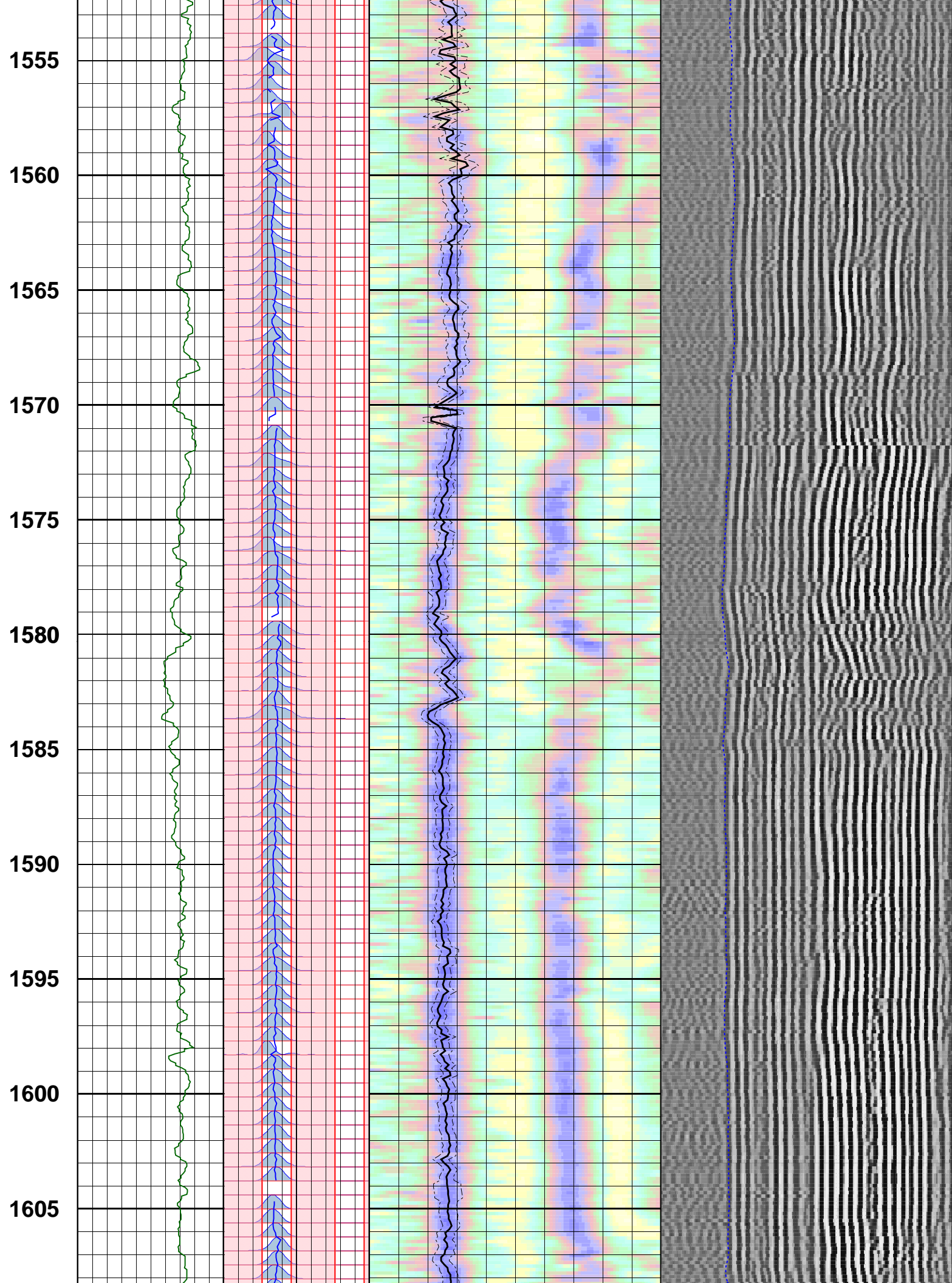


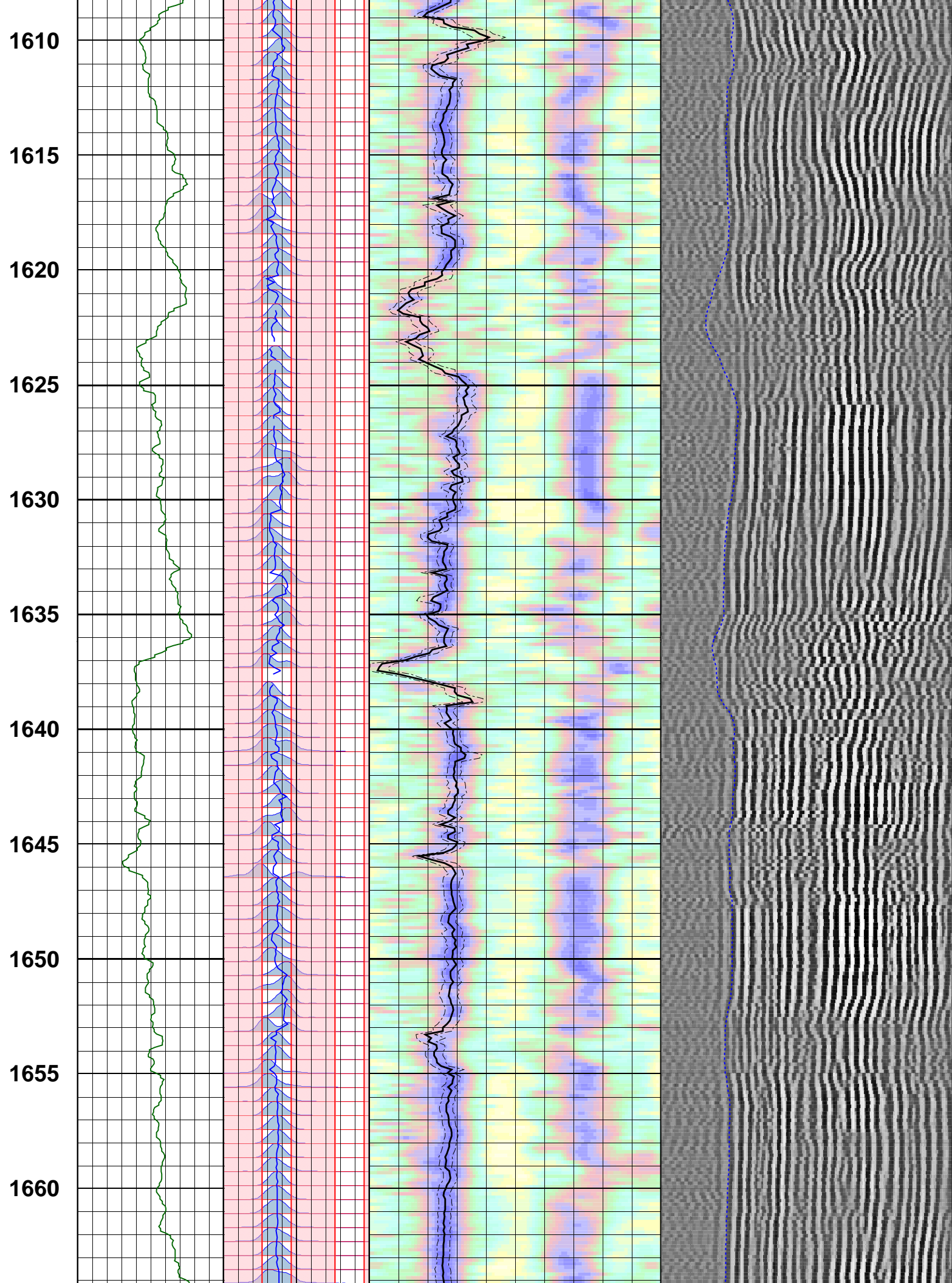


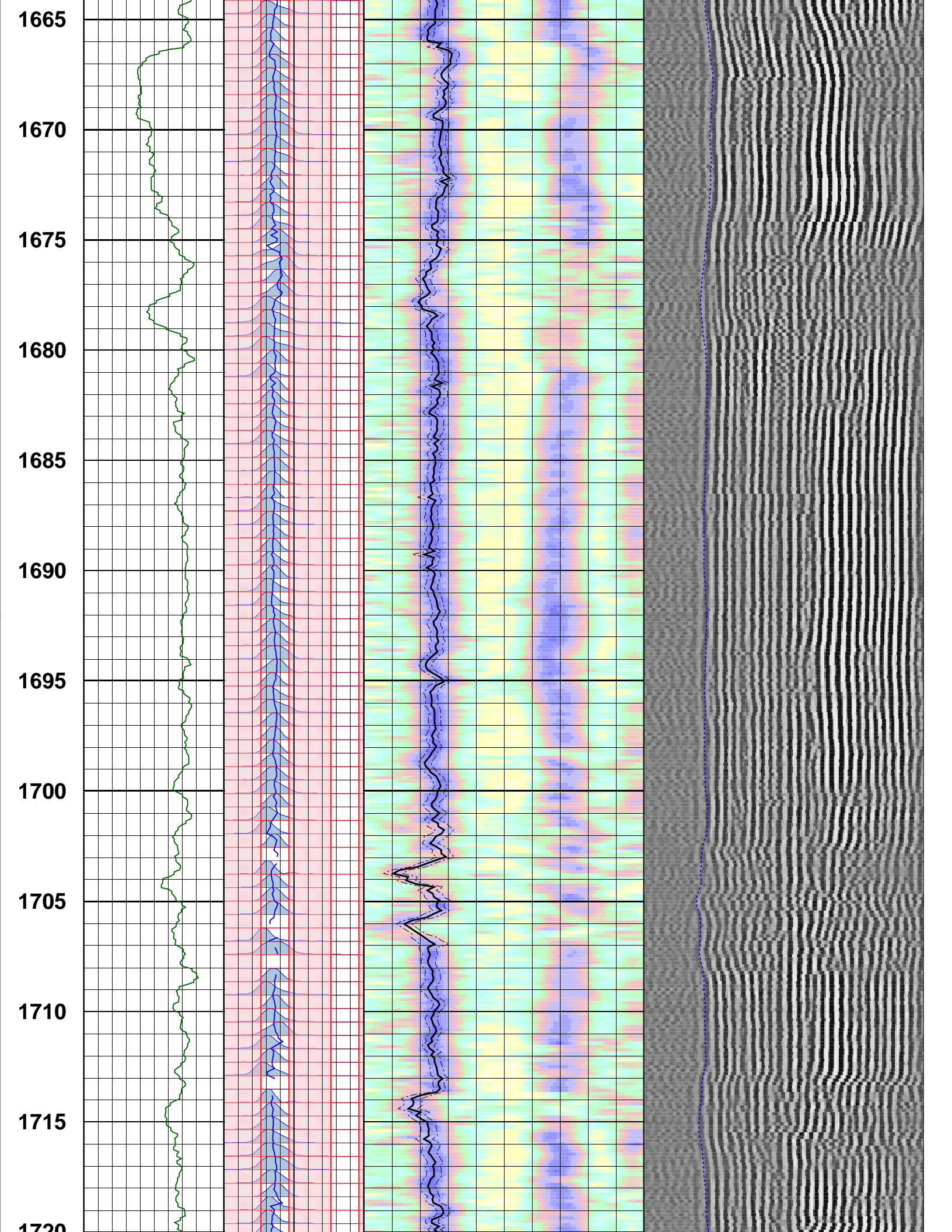
Customized Process: Start Depth (1535.21 m), Stop Depth (884.204 m), Logging Mode (sonicVISION – MPS_WIDE)
Noise Cut Filtering(No), Casing Cut Filtering(No)
WF_FLG(1 1 1 1), MUD_TYPE(Slow OBM), DTMUD(240), STCAL(Full Array)
TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)
Hole Diameter (no input)
Zoning Guide (DTBC@Run_3;1 (586.74 – 1532.23 m))
Tracking Guide (no input)

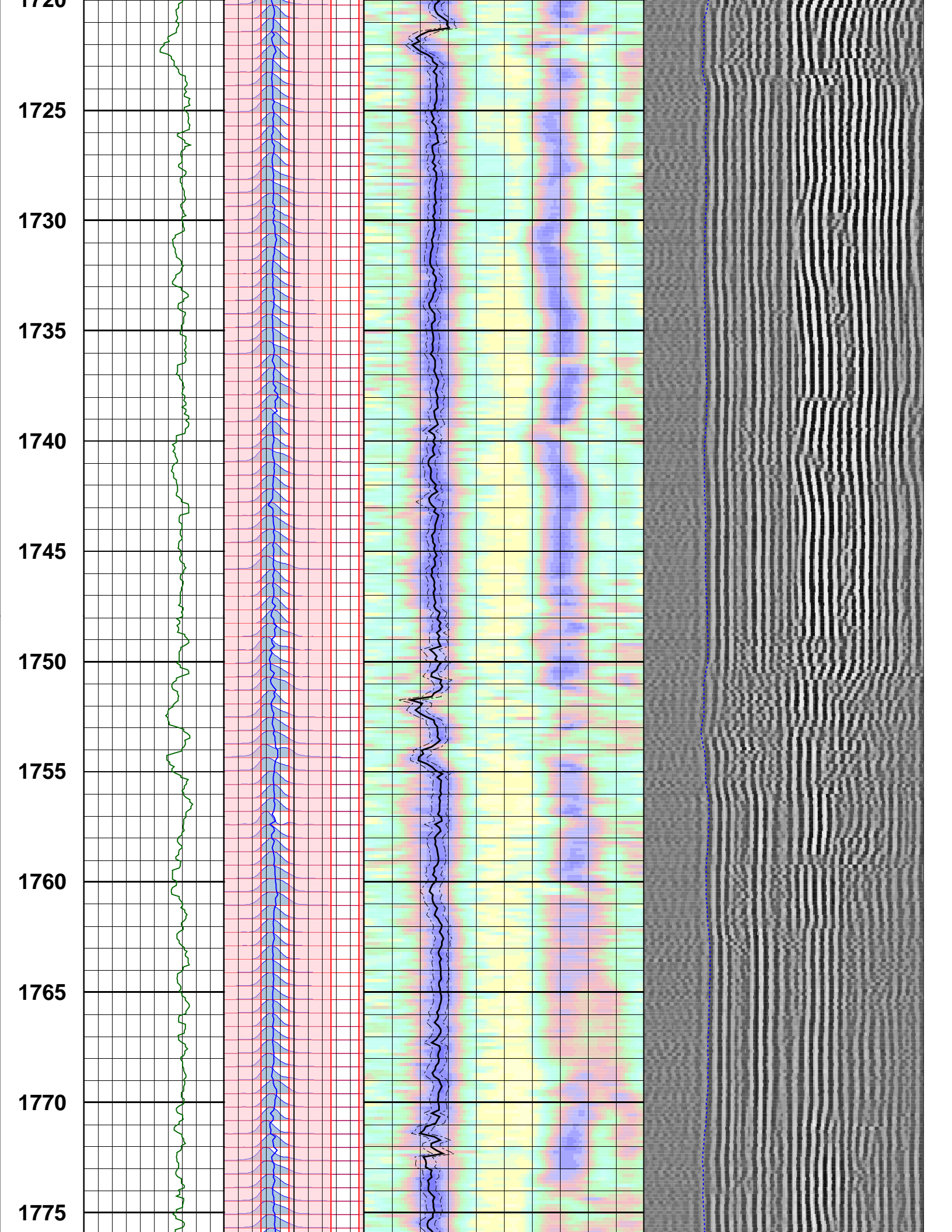
--- Zone Top Depth (0), Zone Name (Zone1) ---
SFTY(Intermediate), BHS(OPEN), CSIZ(9.625), HDM(Fix*), HD(12.25)
TWI(238.281), SLL(39.7135), SUL(279.98), SST(1.98568), TLL(400), TUL(3378.52), TST(39.7135)
SBW(1120), SBO(160), SWD(20), TWD(840), SEM(0.45), FLENG(63), FLOW(8000*), FHIGH(14000*)
TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

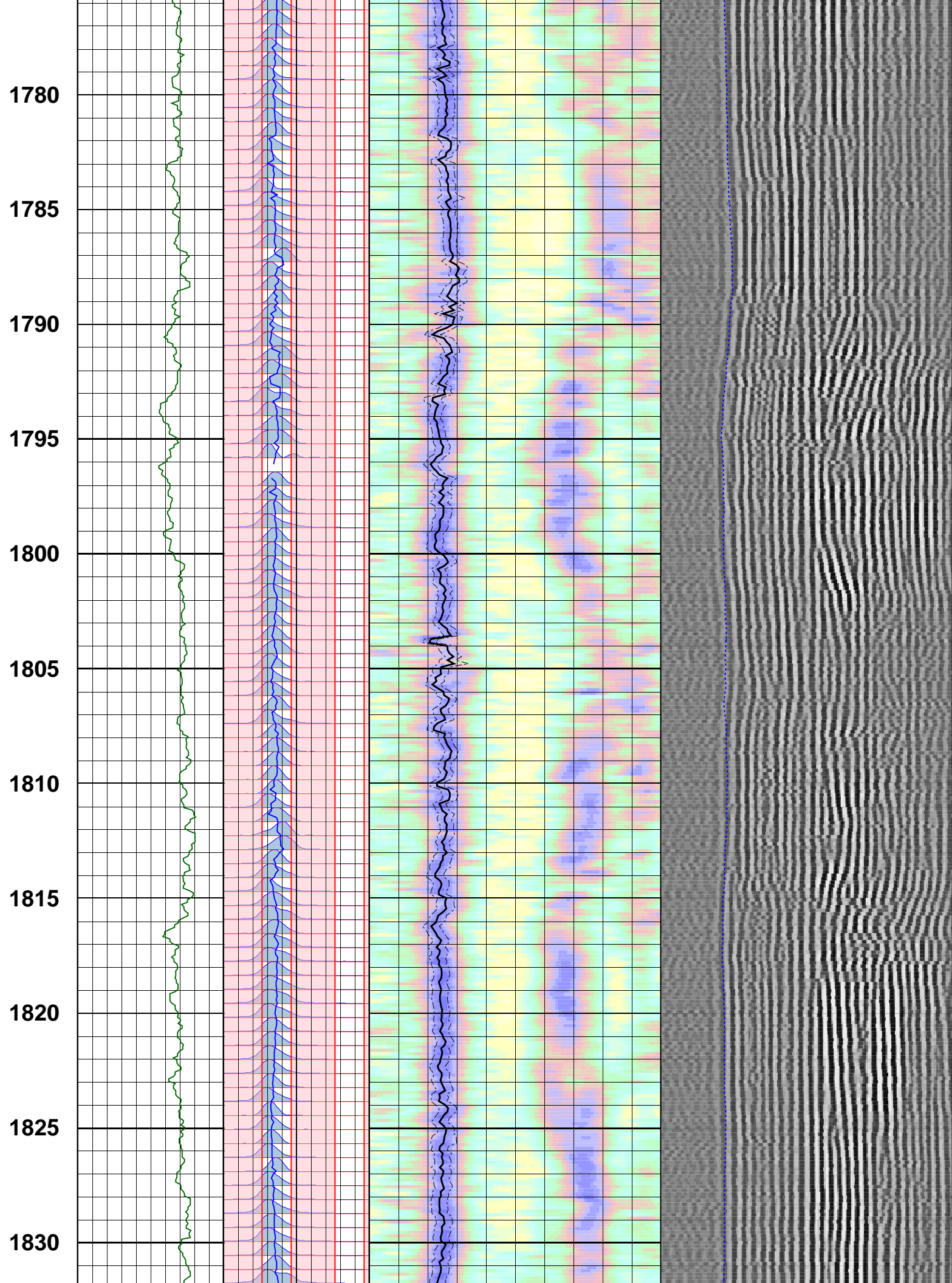


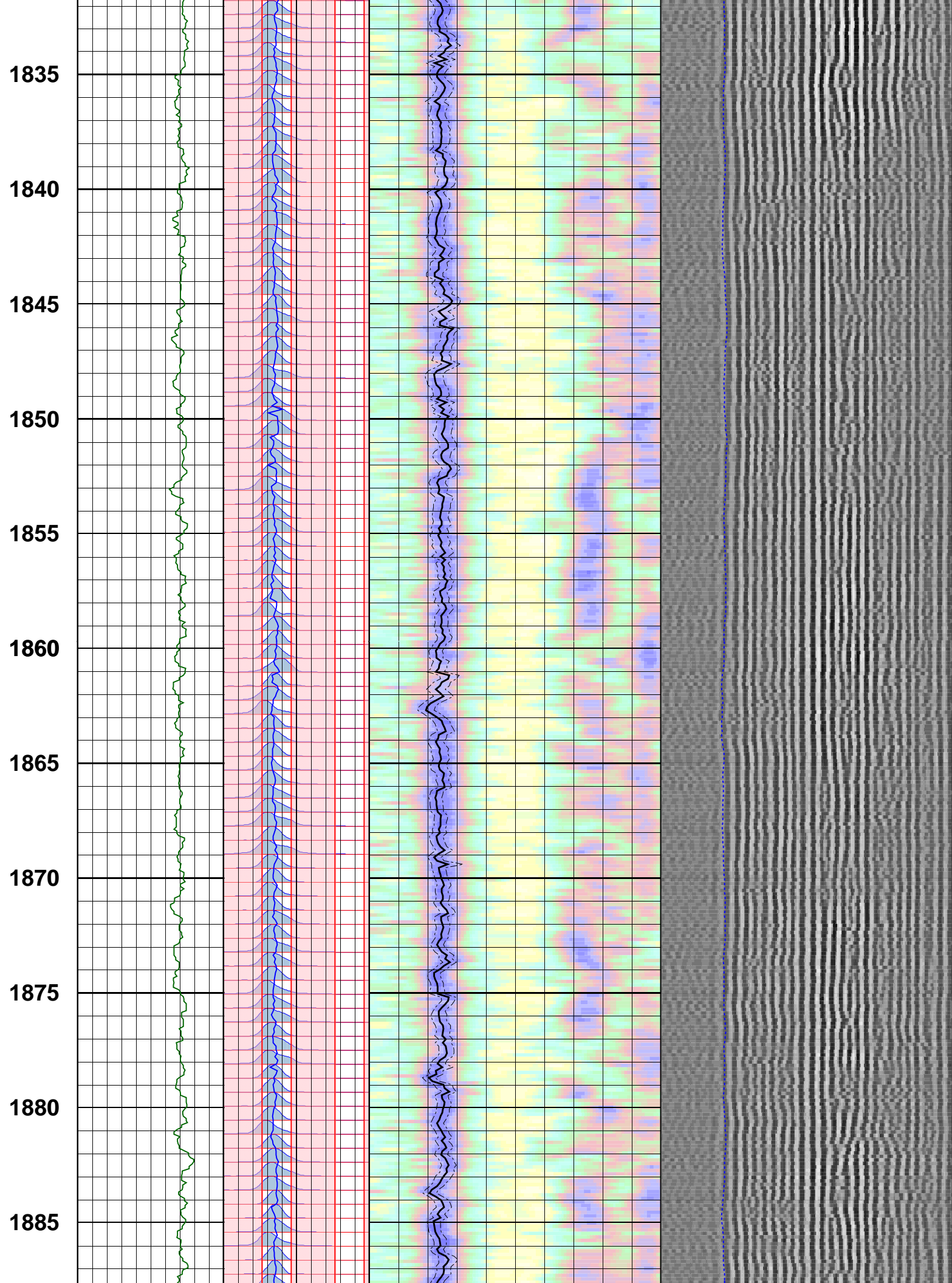


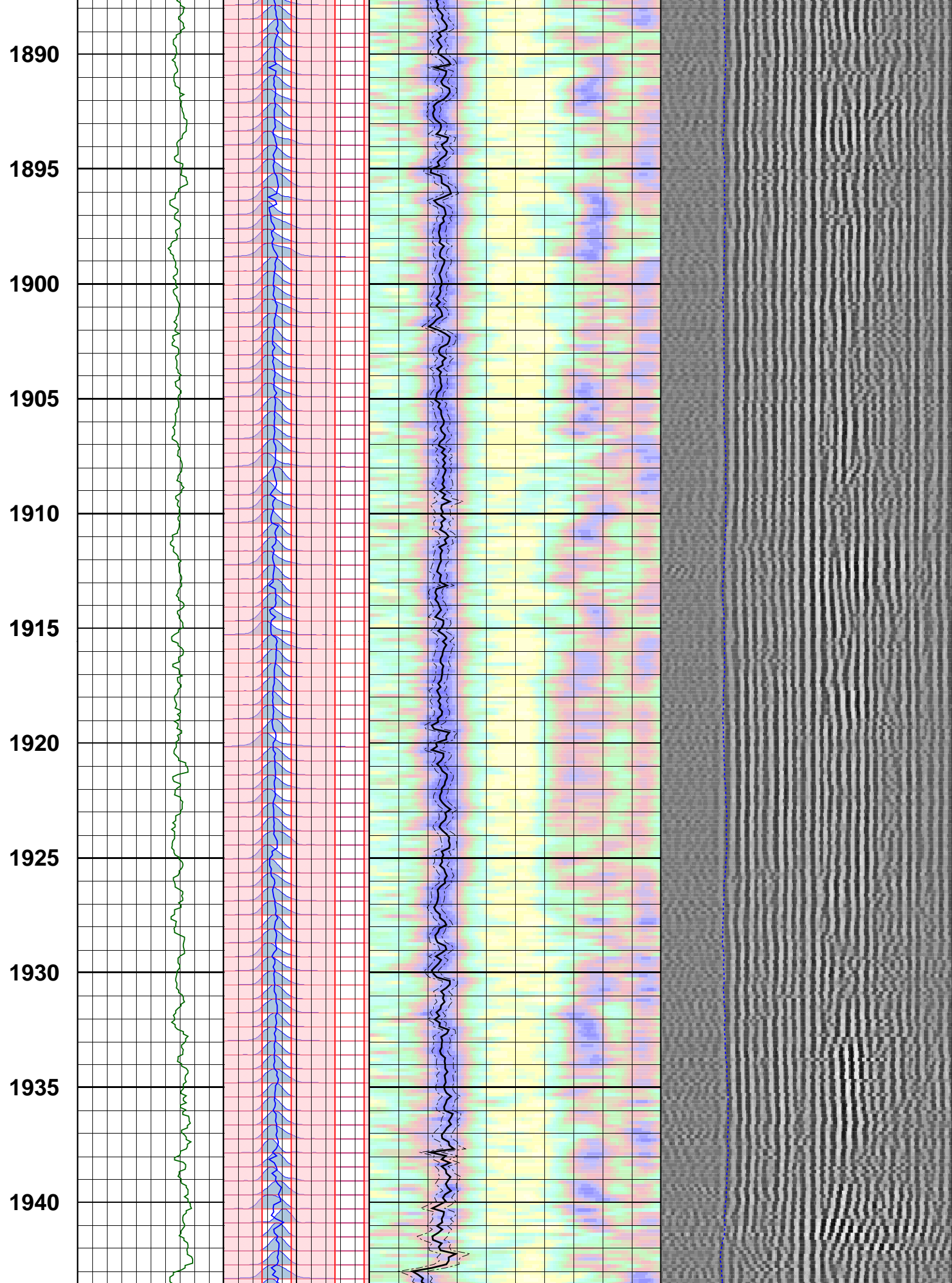


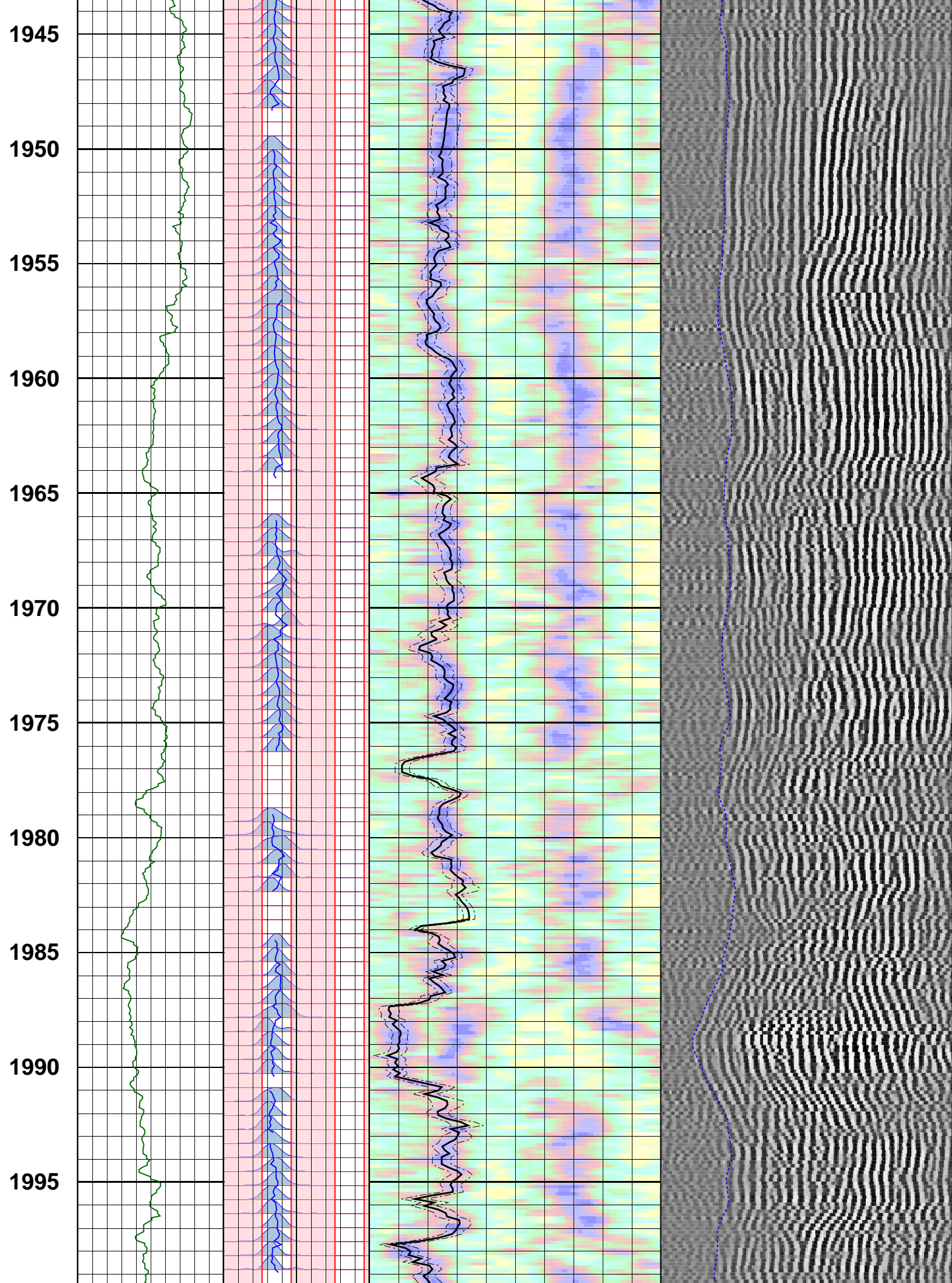


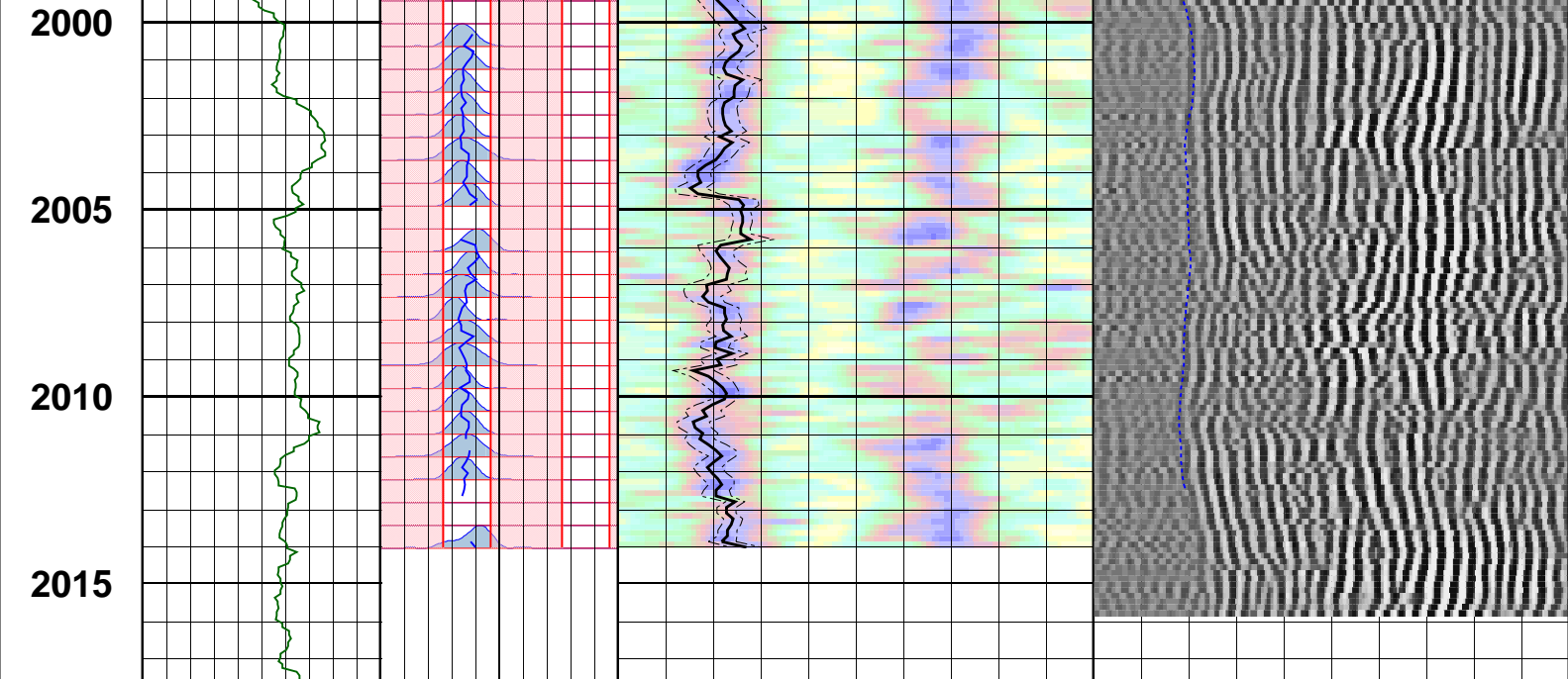








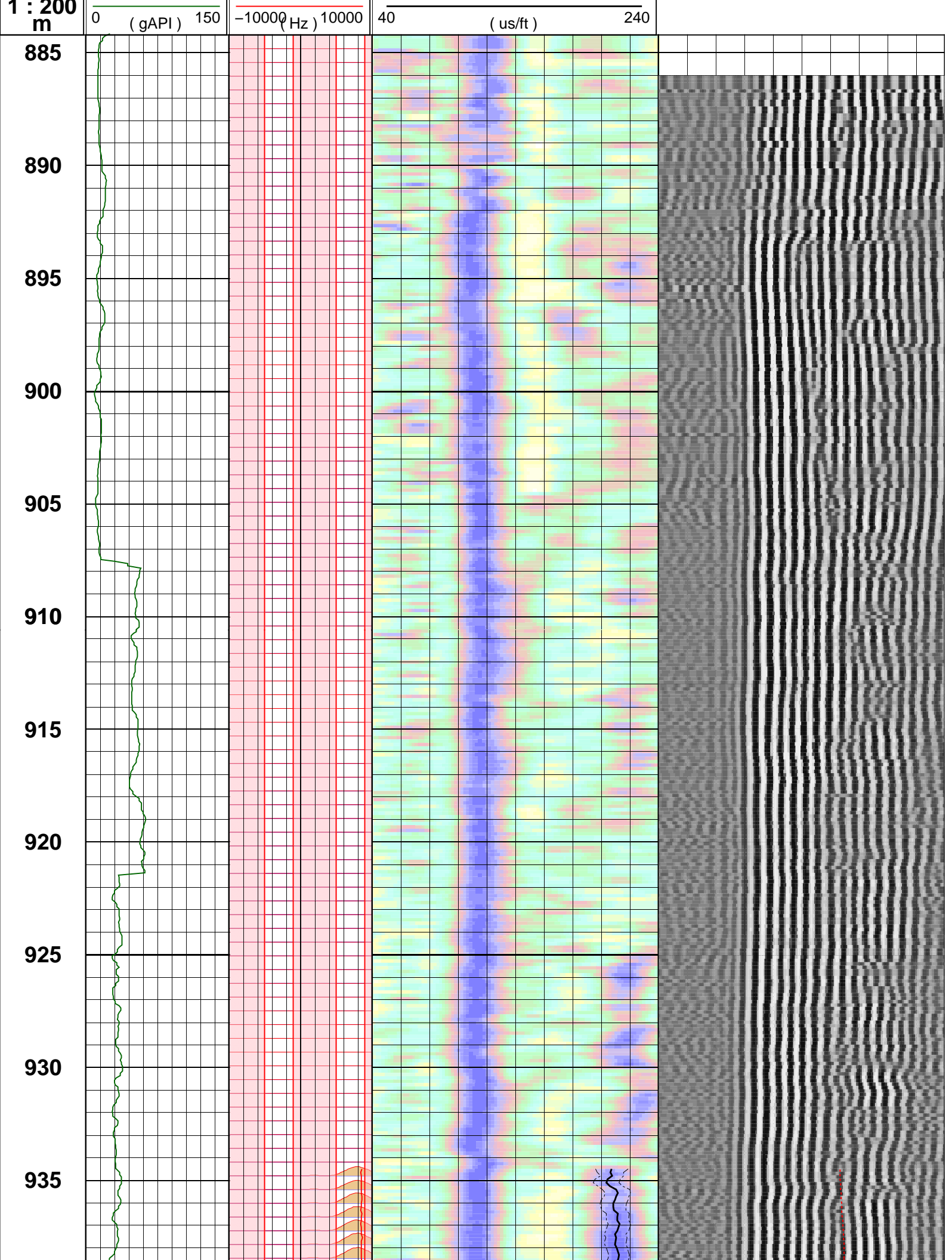




Customized Process: Start Depth (2017.1 m), Stop Depth (1529.1 m), Logging Mode (sonicVISION – MPS_WIDE)
Noise Cut Filtering(No), Casing Cut Filtering(No)
WF_FLG(1 1 1 1), MUD_TYPE(Slow OBM), DTMUD(240), STCAL(Full Array)
TRSPAC(3.05714), RRSPAC(0 0.2032 0.4064 0.6096)
Hole Diameter (no input)
Zoning Guide (DTBC@Run_5;1 (1513.33 – 2014.12 m))
Tracking Guide (no input)

--- Zone Top Depth (0), Zone Name (Zone1) ---
SFTY(Intermediate), BHS(OPEN), CSIZ(9.625), HDM(Fix*), HD(12.25)
TWI(277.995*), SLL(39.7135), SUL(279.98), SST(1.98568), TLL(400), TUL(3378.52), TST(39.7135)
SBW(1200*), SBO(180*), SWD(20), TWD(840), SEM(0.45), FLENG(49*), FLOW(8000*), FHIGH(14000*)
TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

MD 1 : 200 m	Gamma Ray	CfRS	DtRS		
	0 (gAPI) 150	-15000 (Hz) 15000	40 (us/ft) 240		
		CfRC	DtRC		
		0 (Hz) 30000	40 (us/ft) 240		
		SpcRS	STPrjR	TISS	
		-15000 (Hz) 15000	40 (us/ft) 240	400 (us) 3378	
		SpcRC		TICS	
		0 (Hz) 30000		400 (us) 3378	
				WF VDL	
				400 (us) 3378	
Run 3 Monopole Shear Processing QC					WF VDL
					400 (us) 3378
					TICS
					400 (us) 3378
					TISS
					400 (us) 3378
MD	Gamma Ray	CfRS	DtRS		



940

945

950

955

960

965

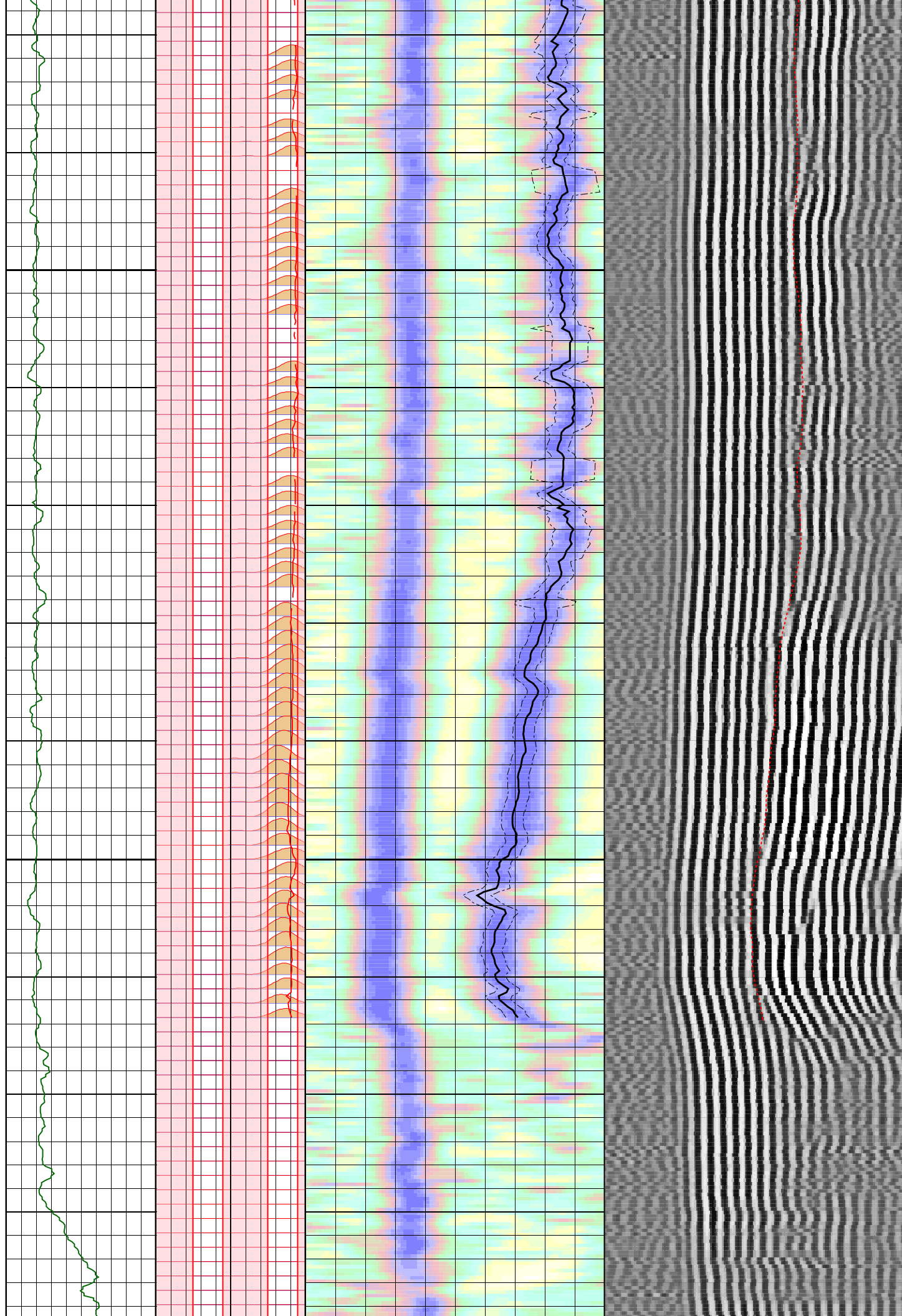
970

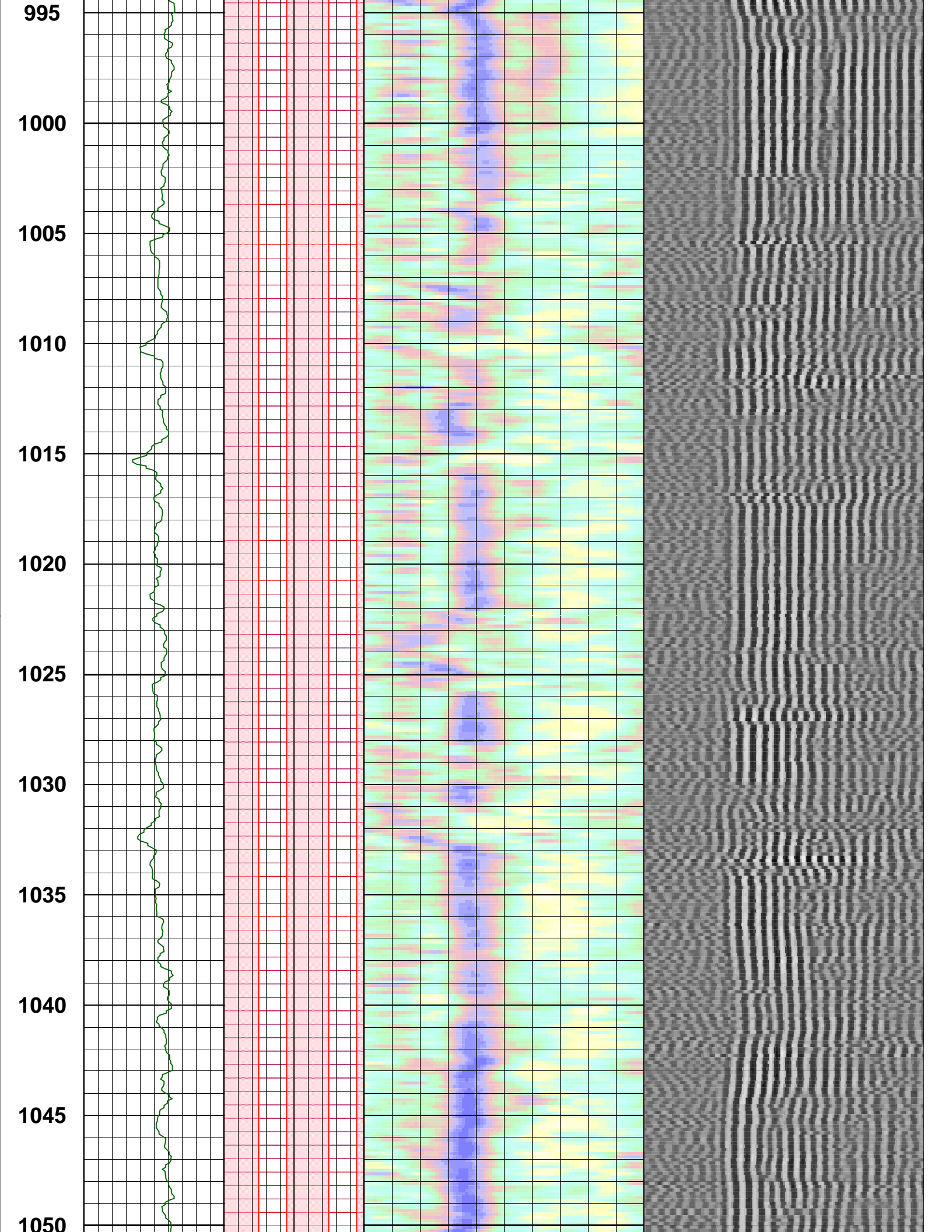
975

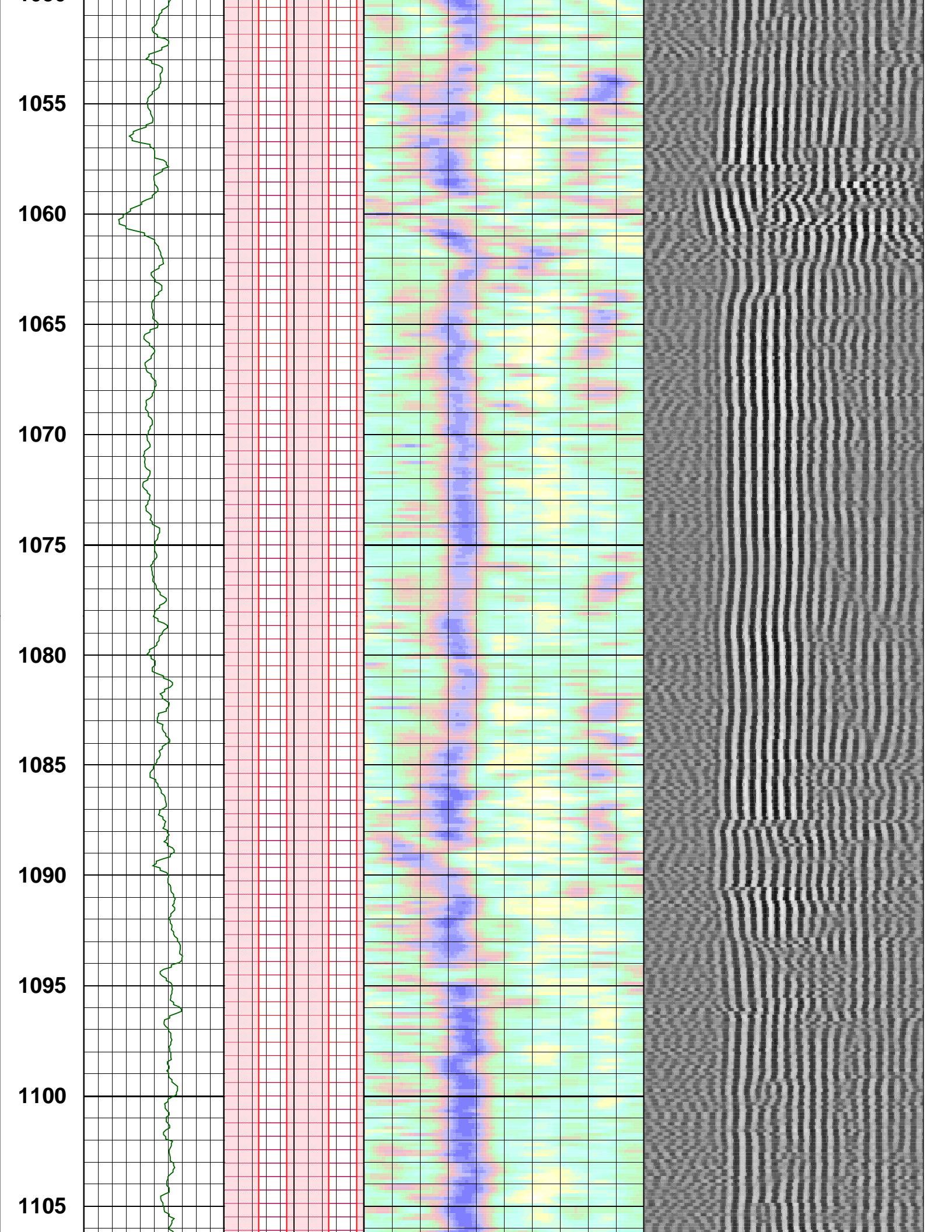
980

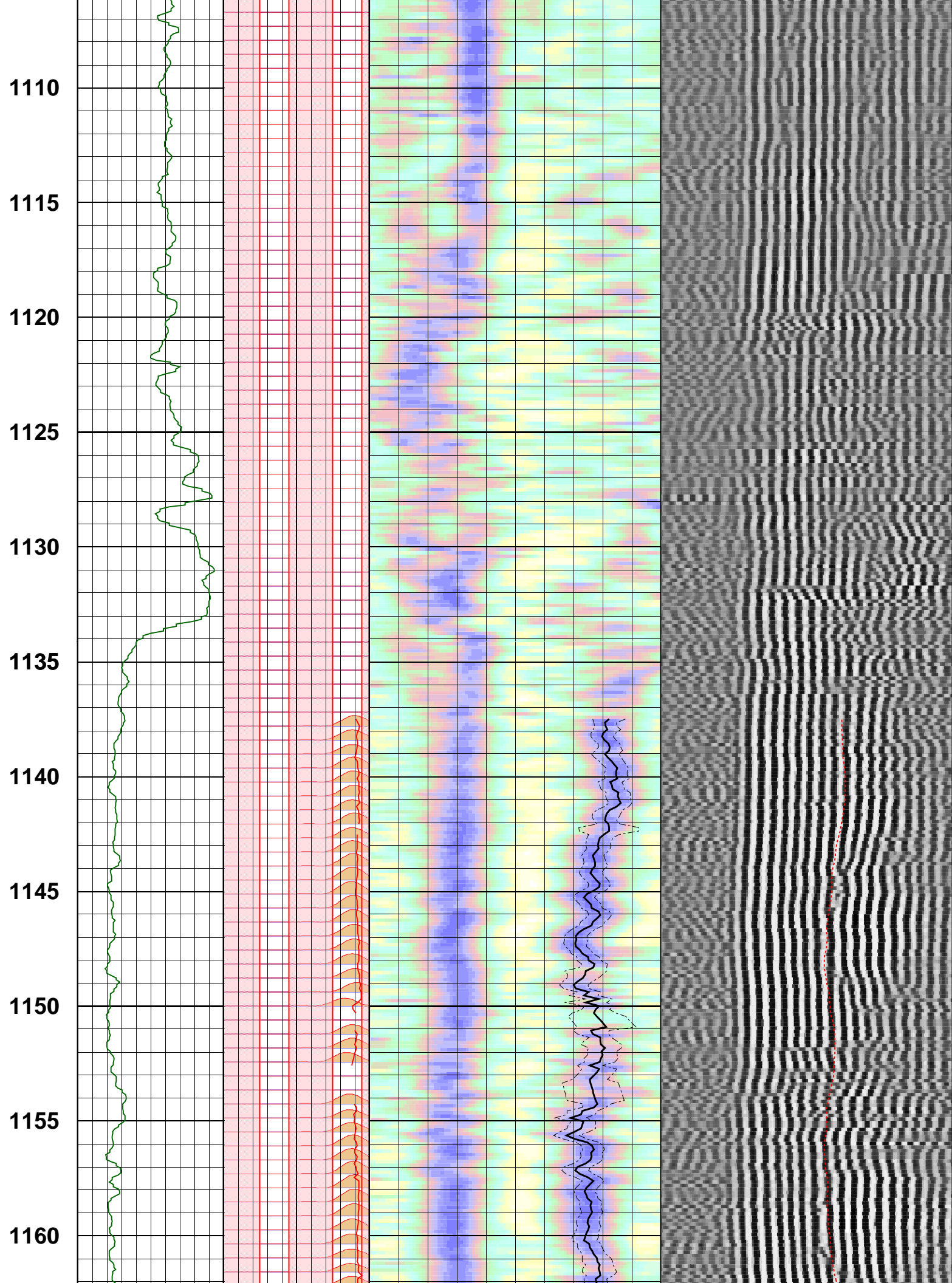
985

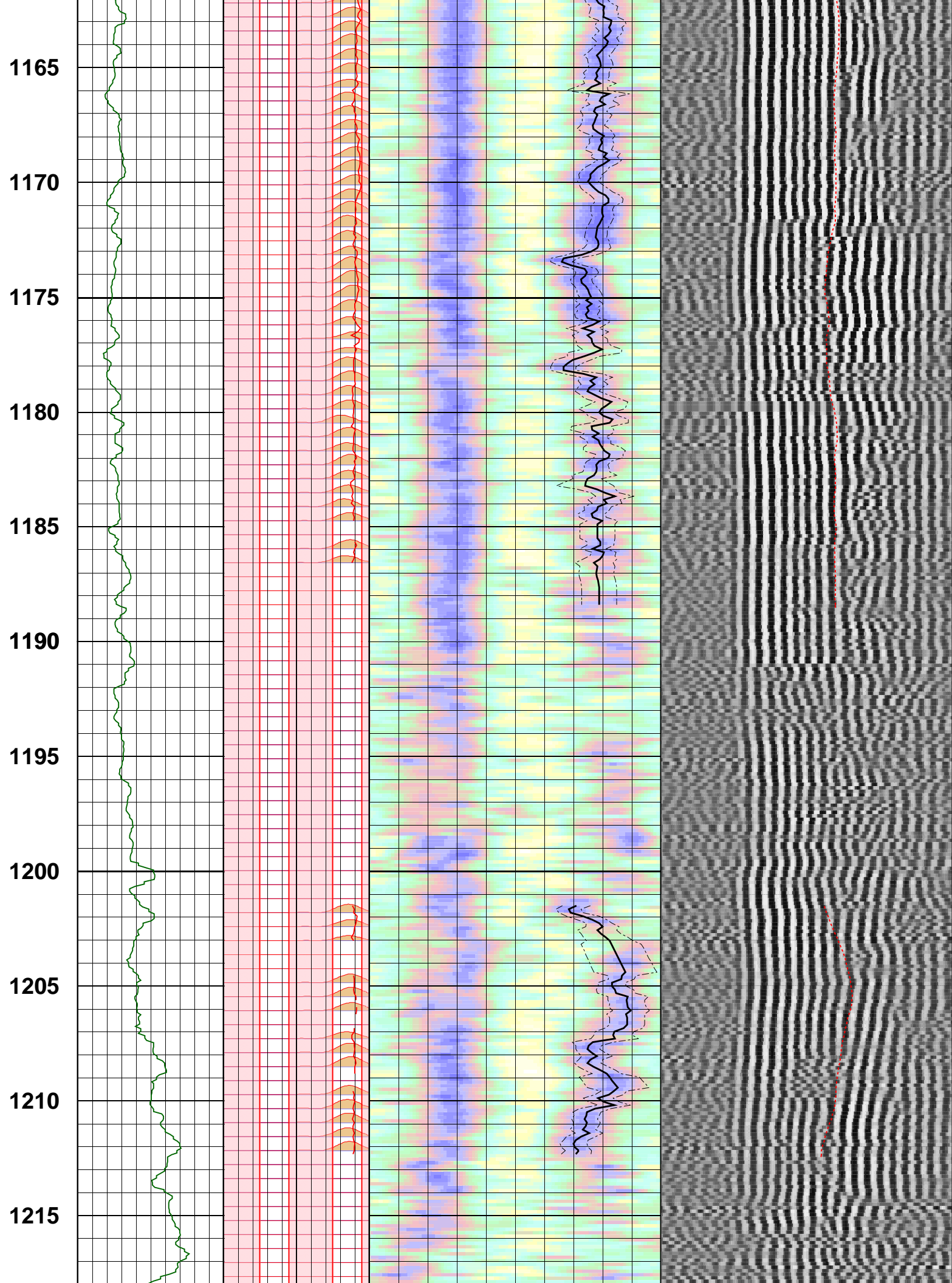
990

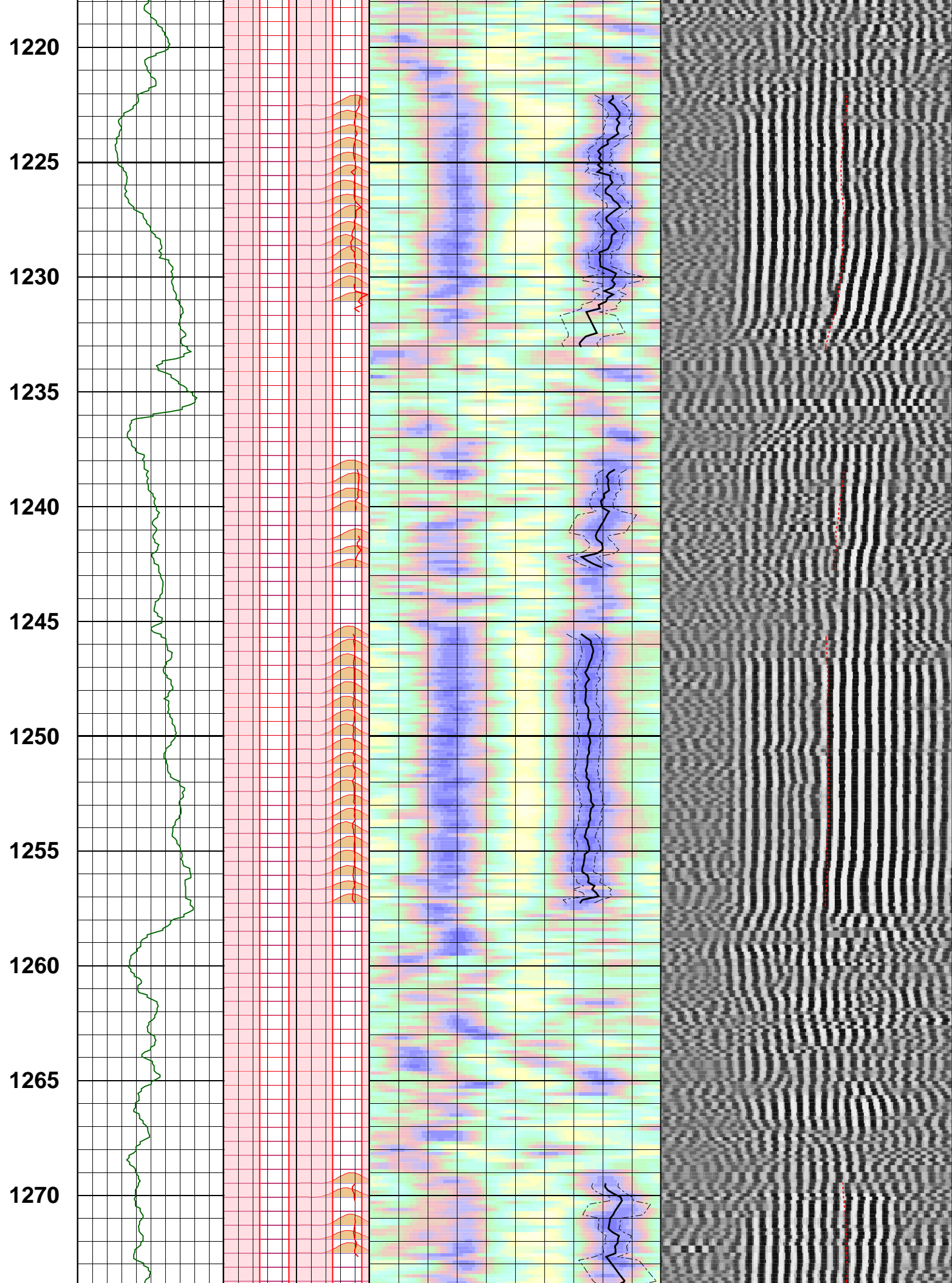


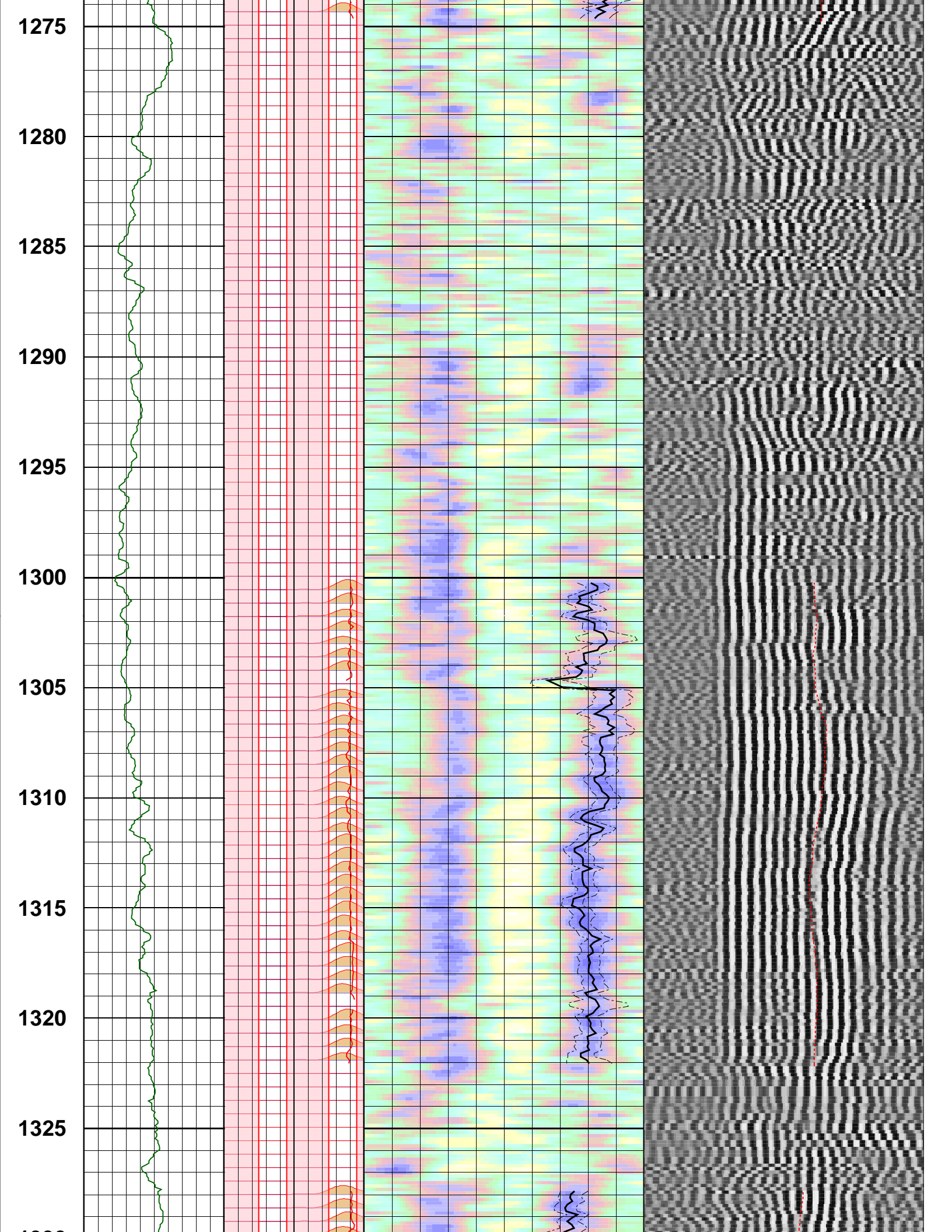


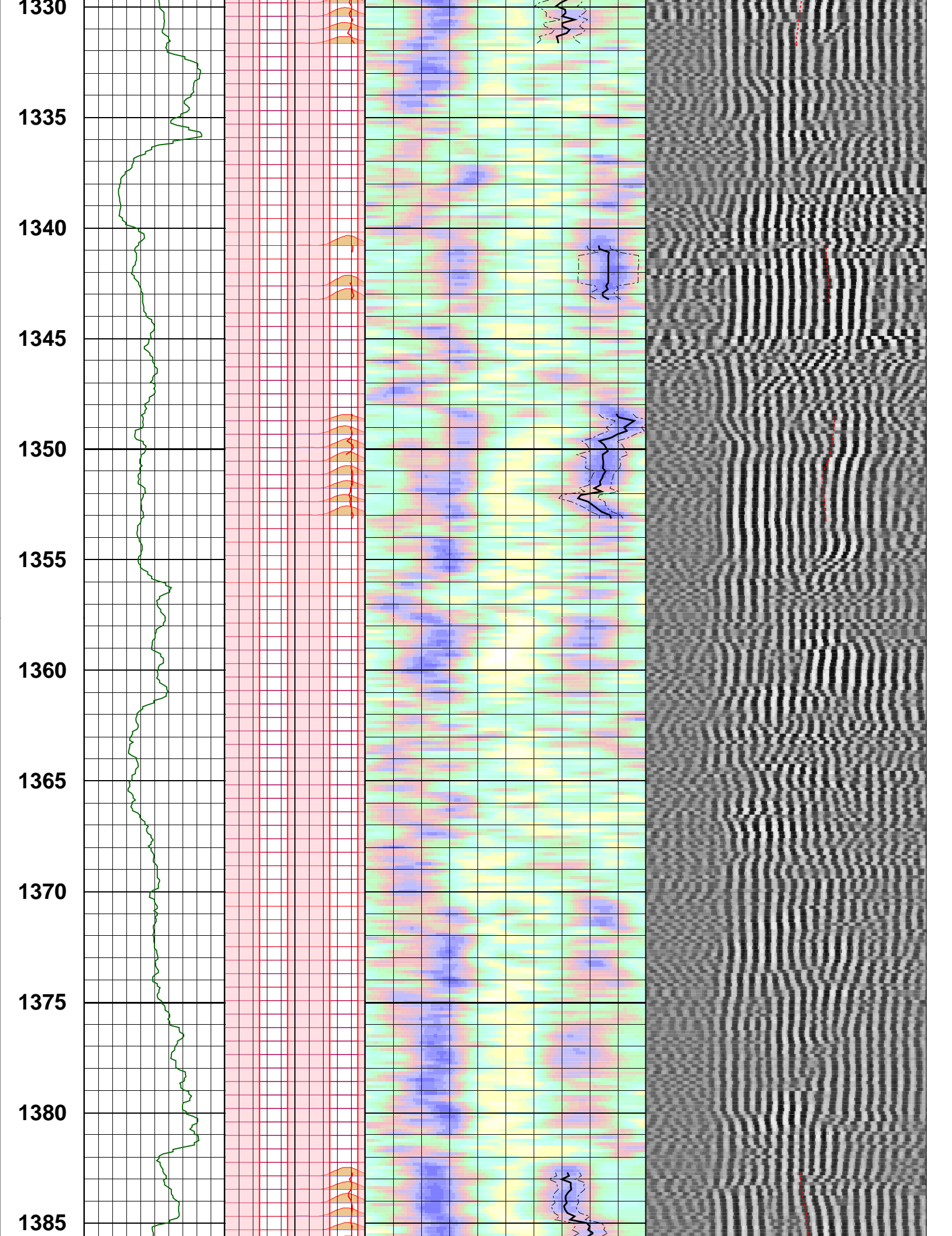


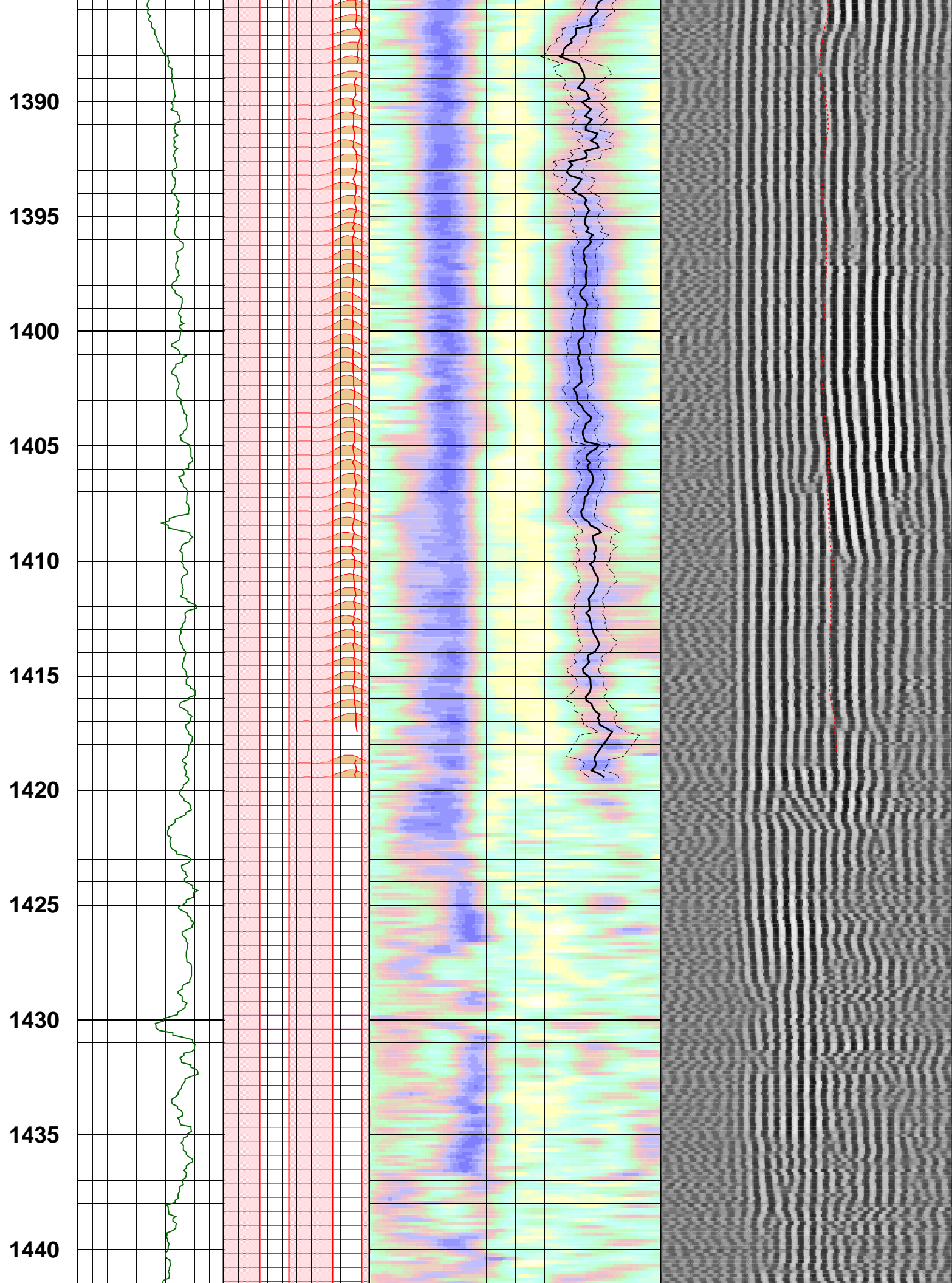


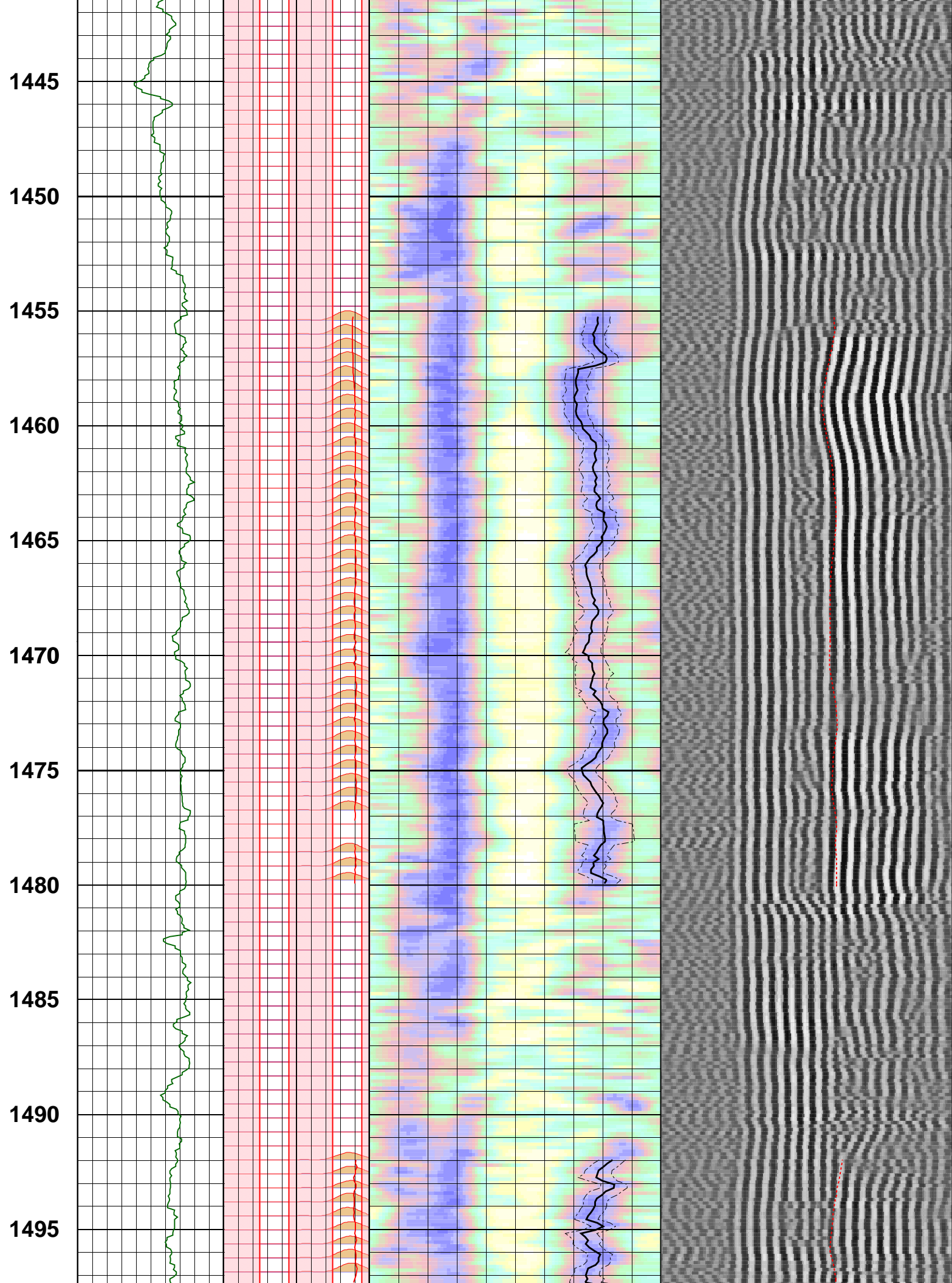


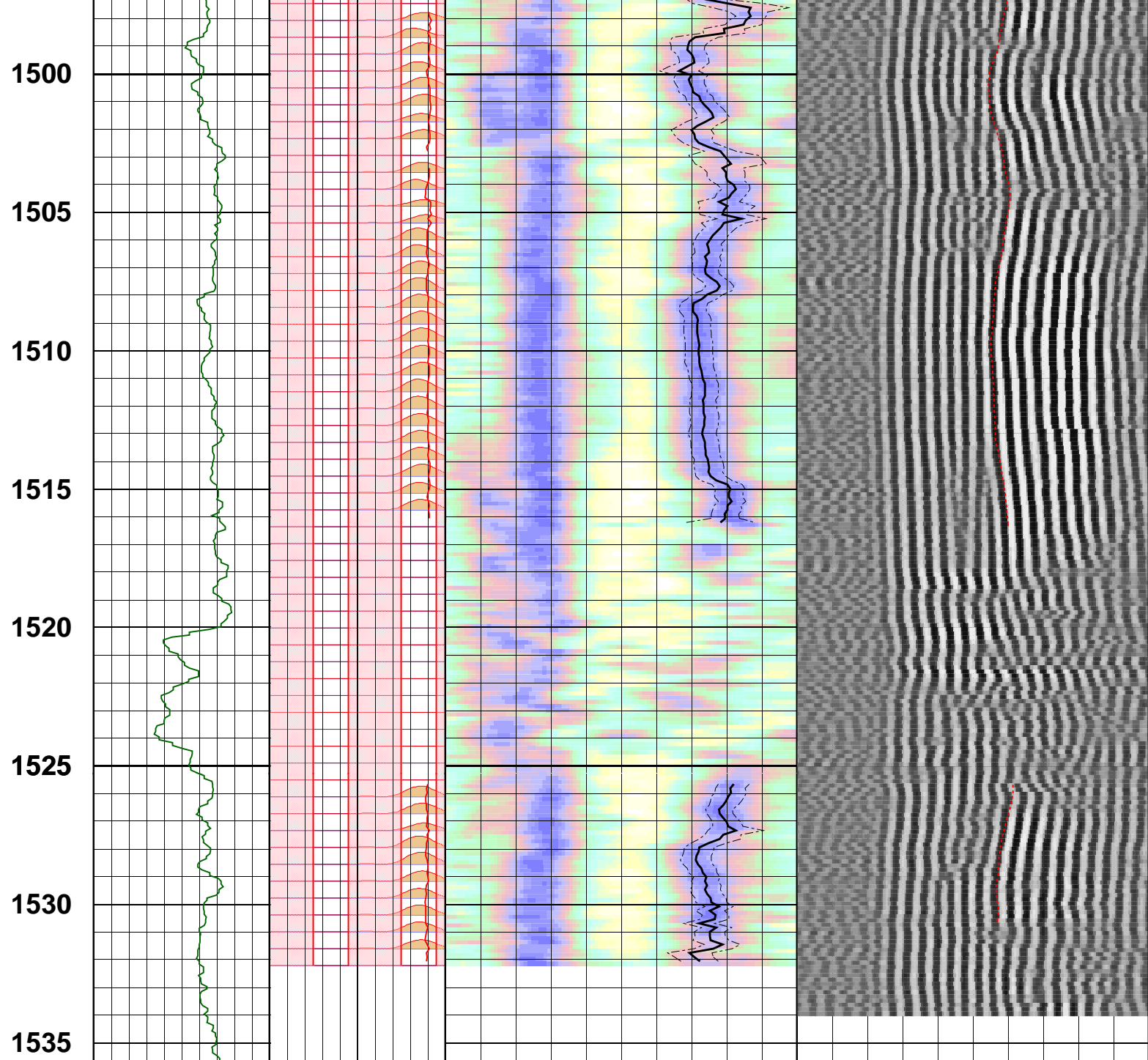








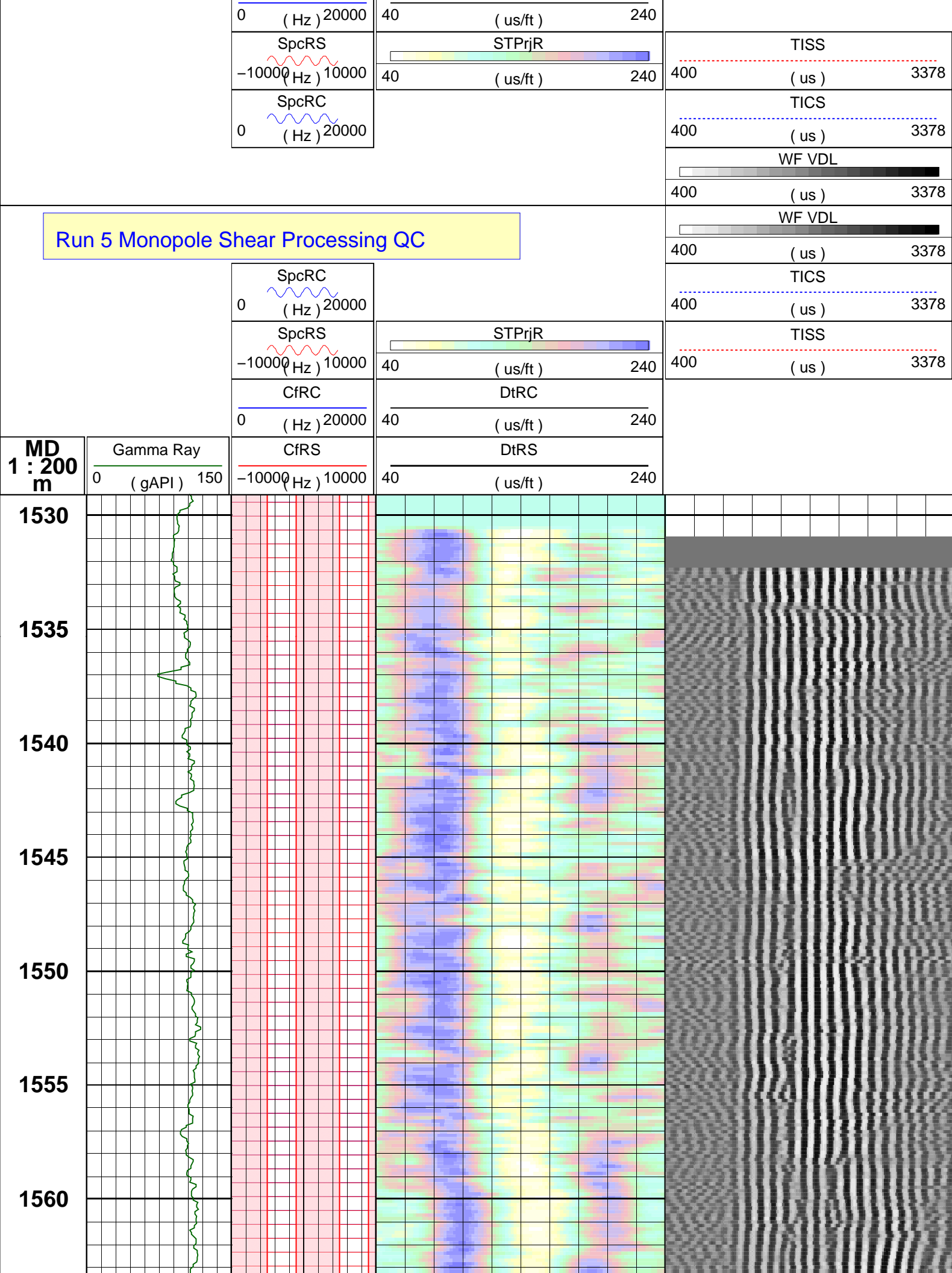


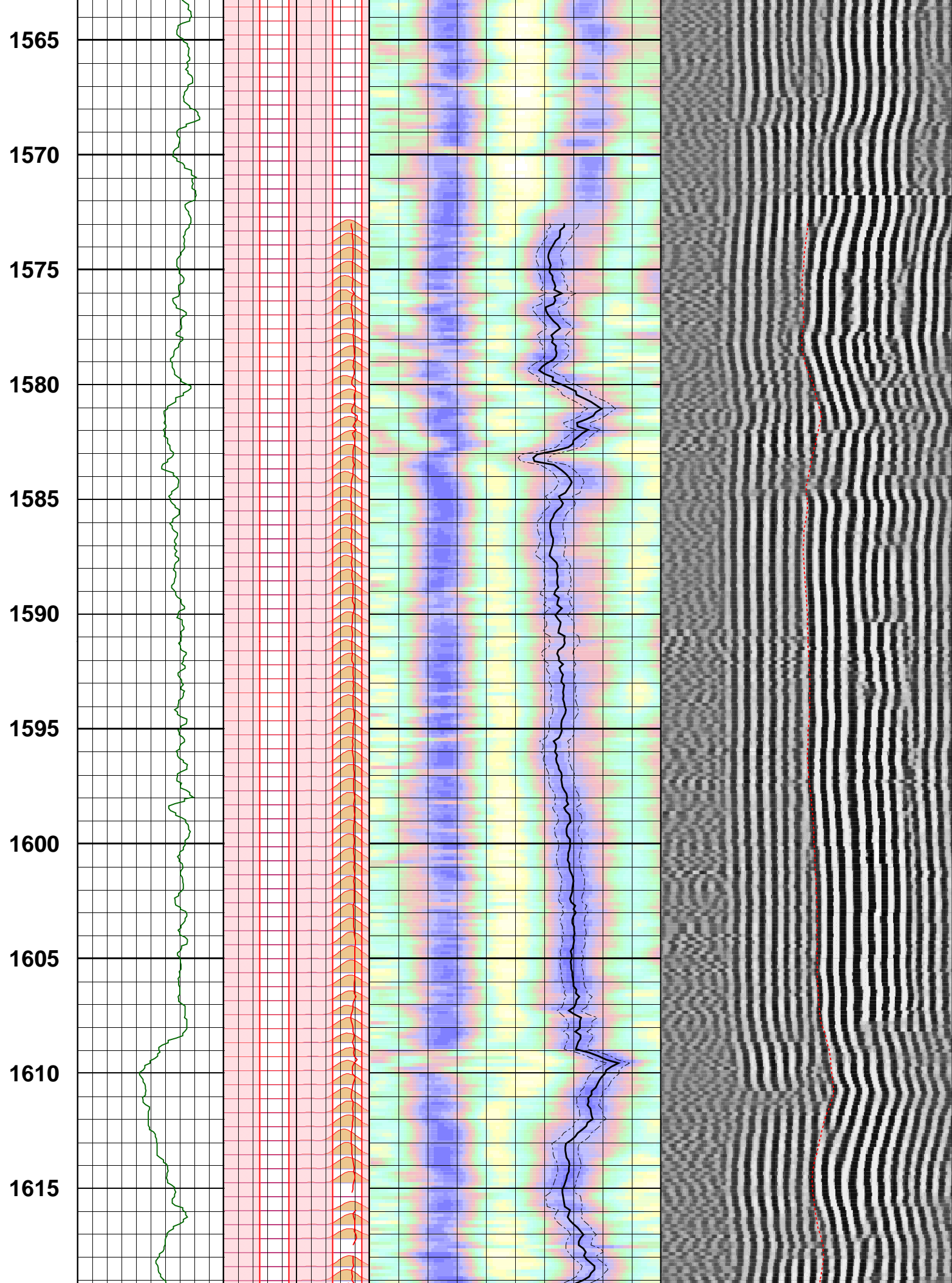


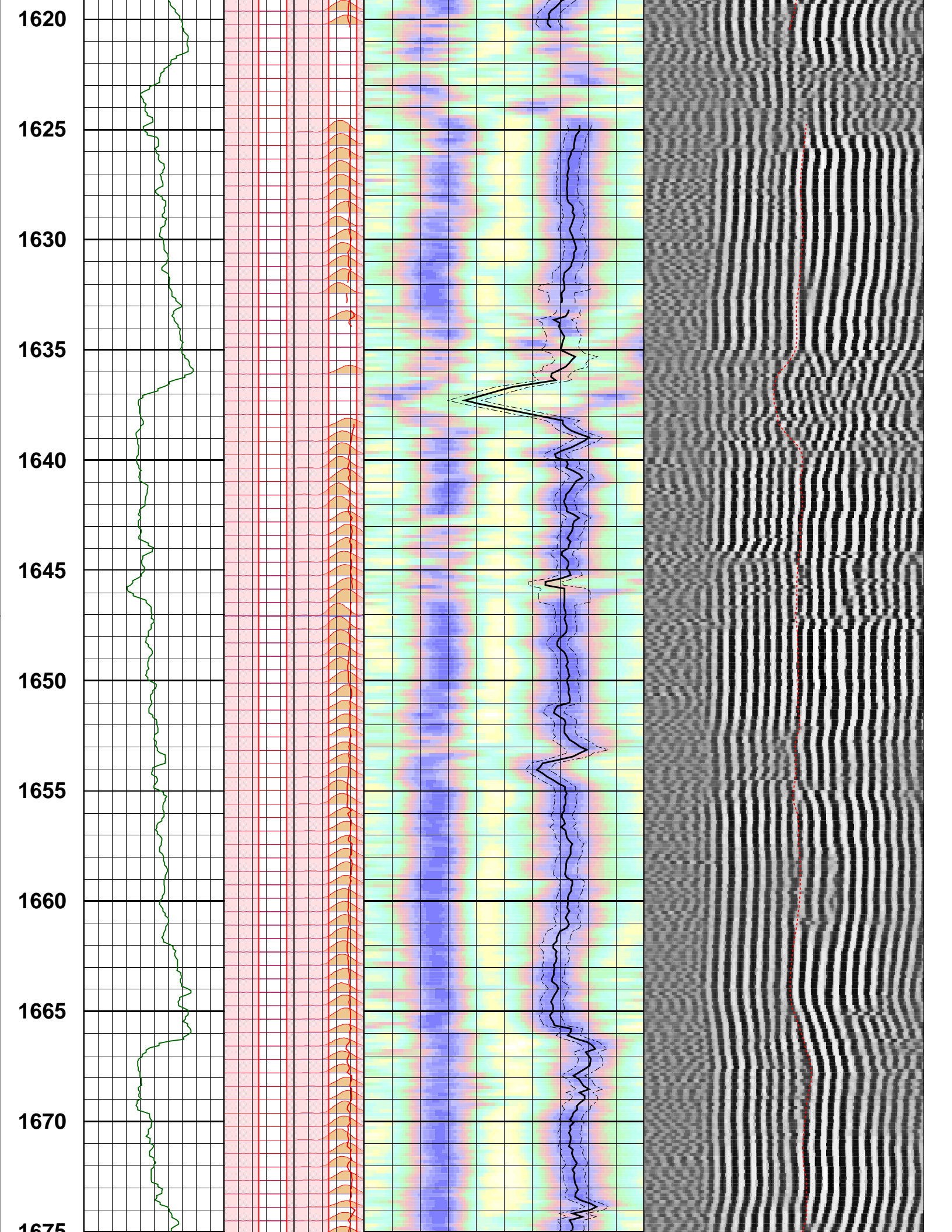
Customized Process: Start Depth (1535.21 m), Stop Depth (884.204 m), Logging Mode (sonicVISION – MPS_WIDE)
Noise Cut Filtering(No), Casing Cut Filtering(No)
WF_FLG(1 1 1 1), MUD_TYPE(Slow OBM), DTMUD(240), STCAL(Full Array)
TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)
Hole Diameter (no input)
Zoning Guide (DTBC@Run_3;1 (586.74 – 1532.23 m))
Tracking Guide (no input)

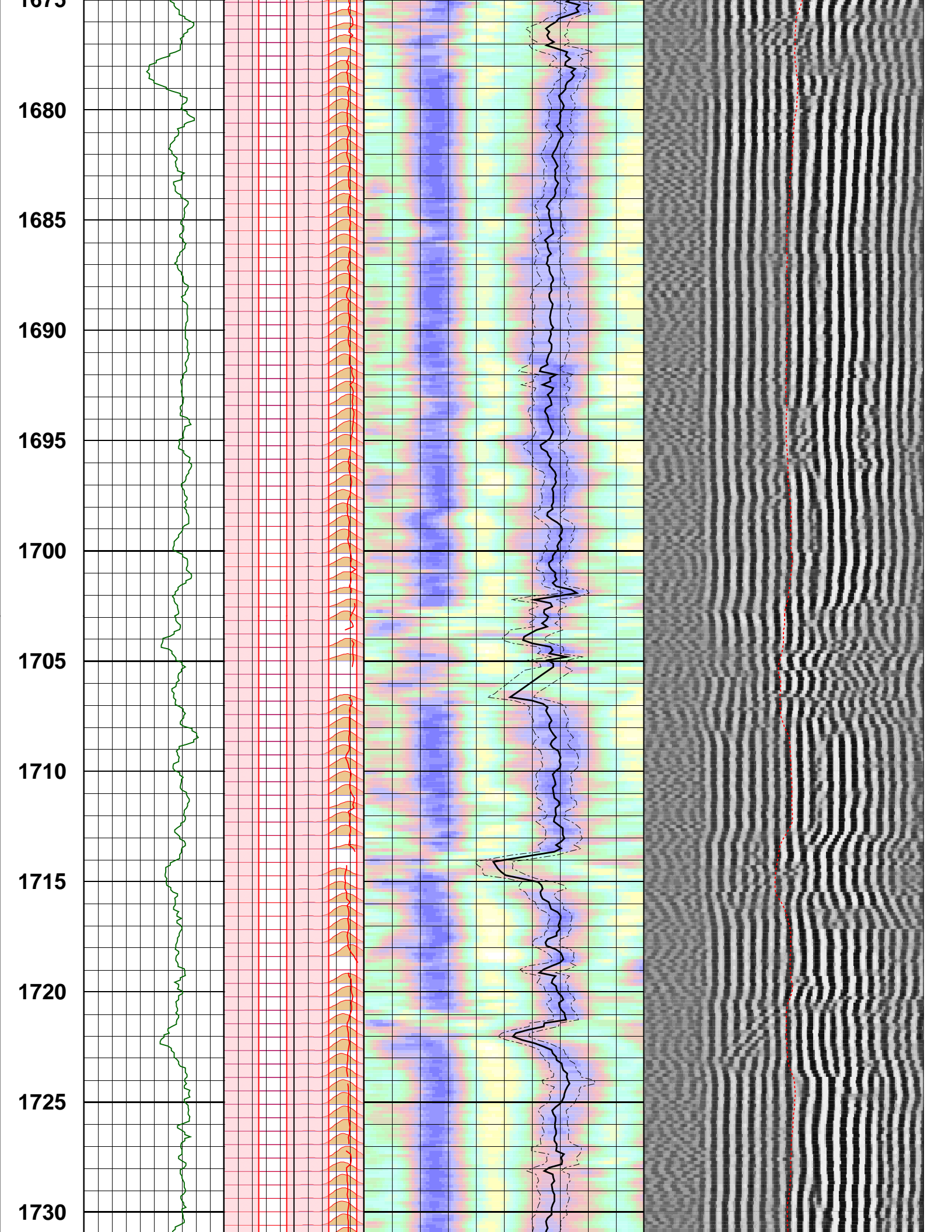
--- Zone Top Depth (0), Zone Name (Zone1) ---
SFTY(Intermediate), BHS(OPEN), CSIZ(9.625), HDM(Fix*), HD(12.25)
TWI(238.281), SLL(40.4227*), SUL(280.831*), SST(2.12751*), TLL(400), TUL(3378.52), TST(39.7135)
SBW(1120), SBO(860*), SWD(20), TWD(840), SEM(0.45), FLENG(47*), FLOW(5000*), FHIGH(9000*)
TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

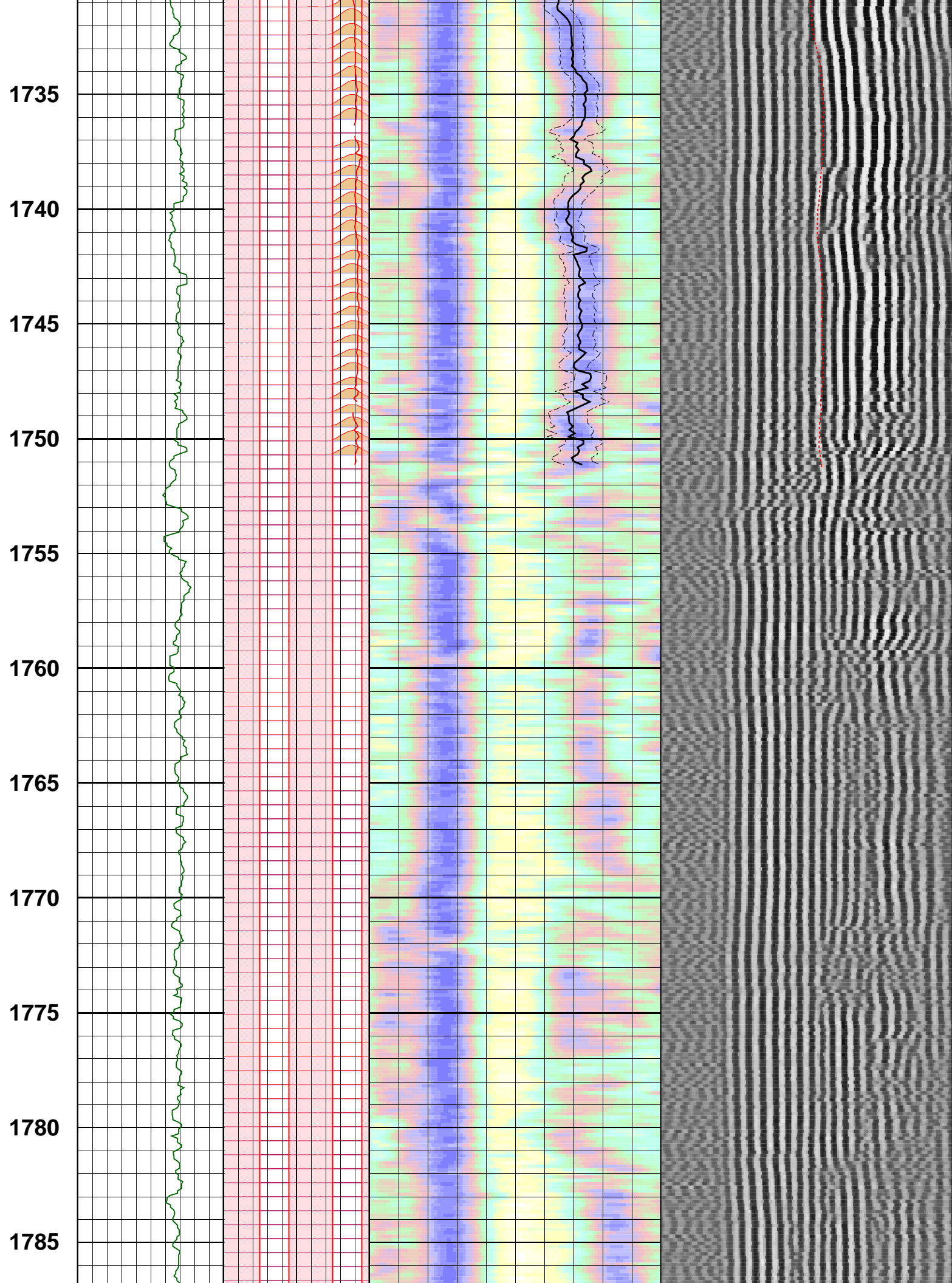
MD 1 : 200 m	Gamma Ray	CfRS	DtRS
	0 (gAPI) 150	-10000 (Hz) 10000	40 (us/ft) 240
		CfRC	DtRC

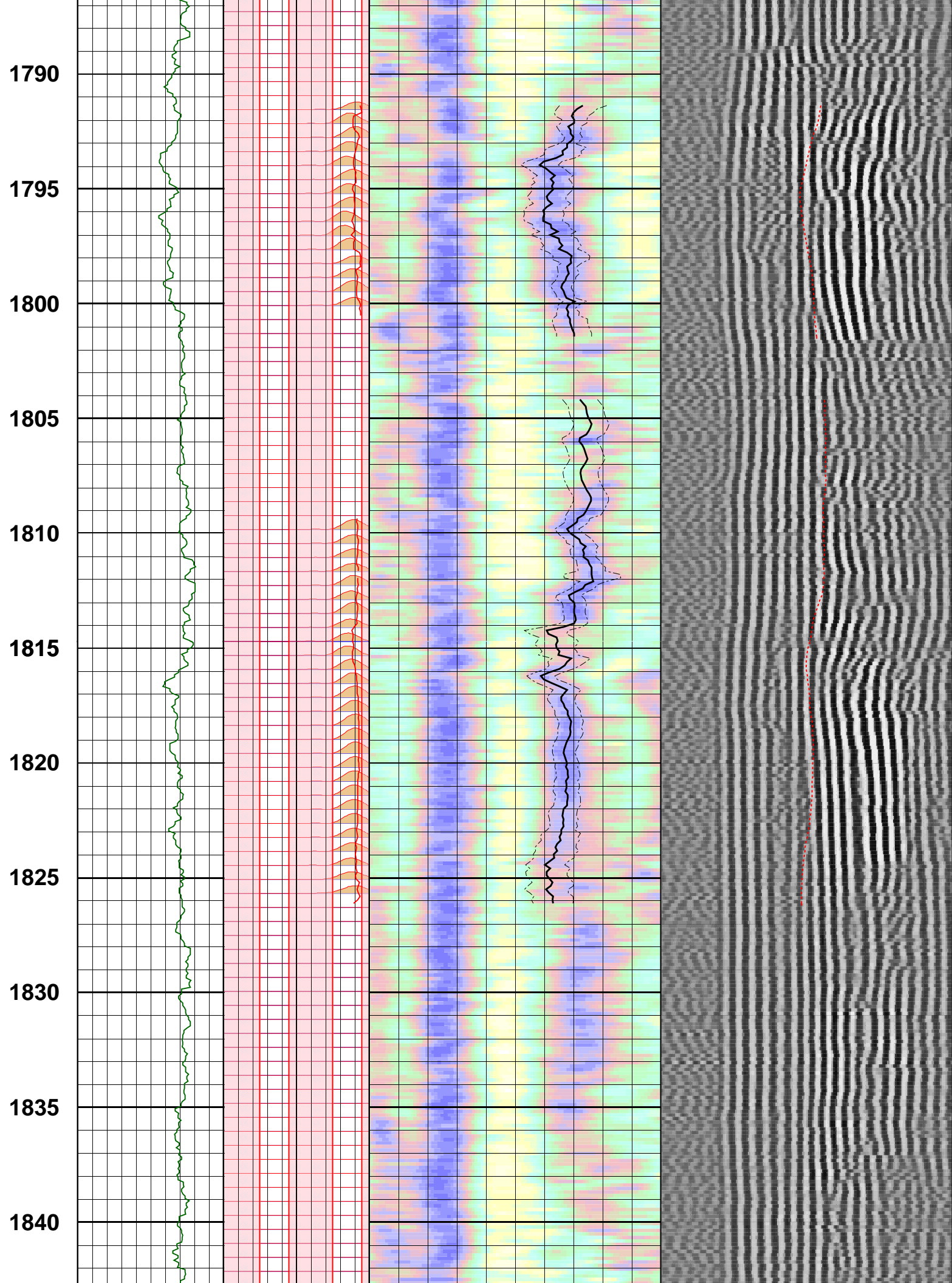


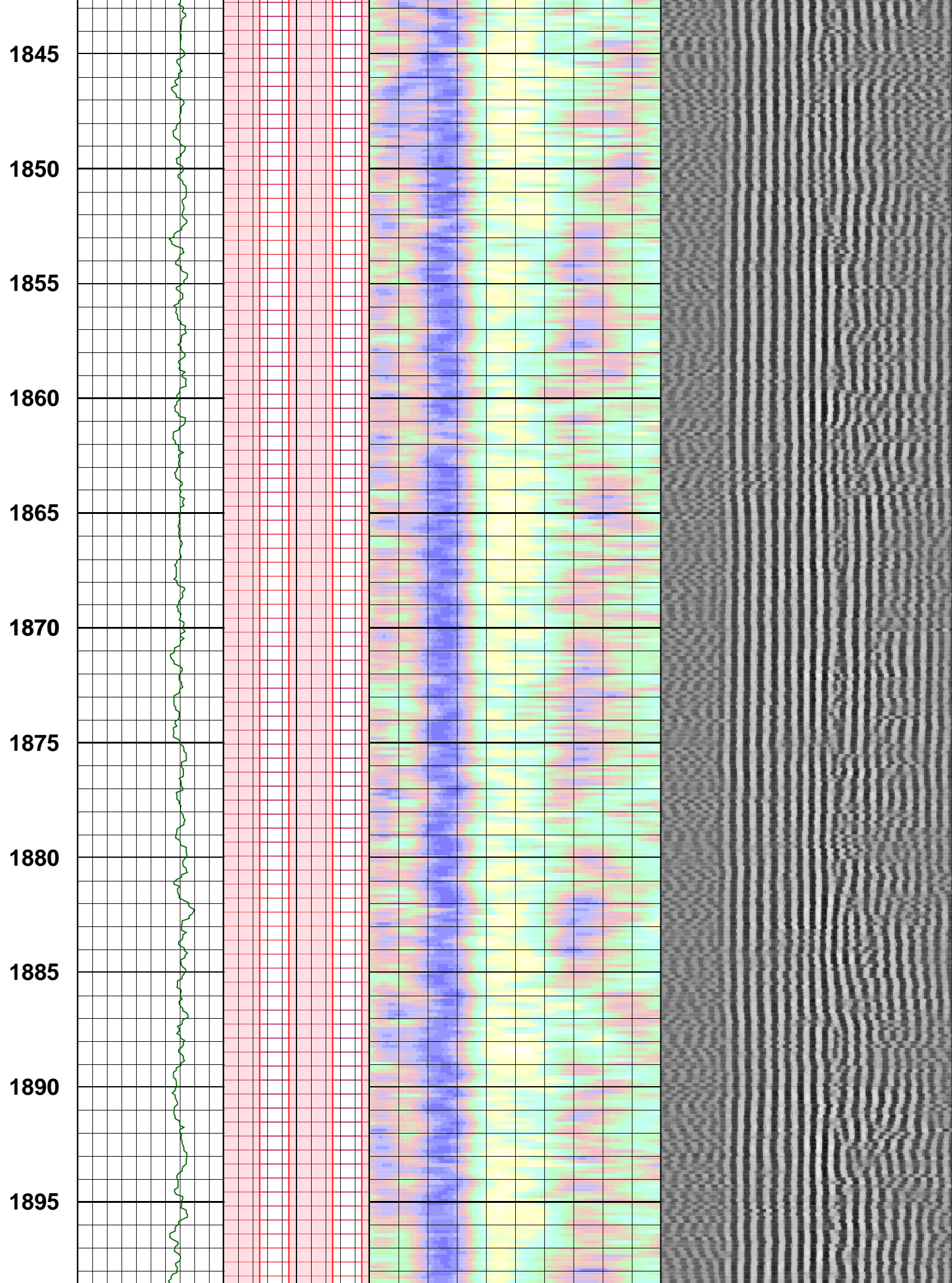


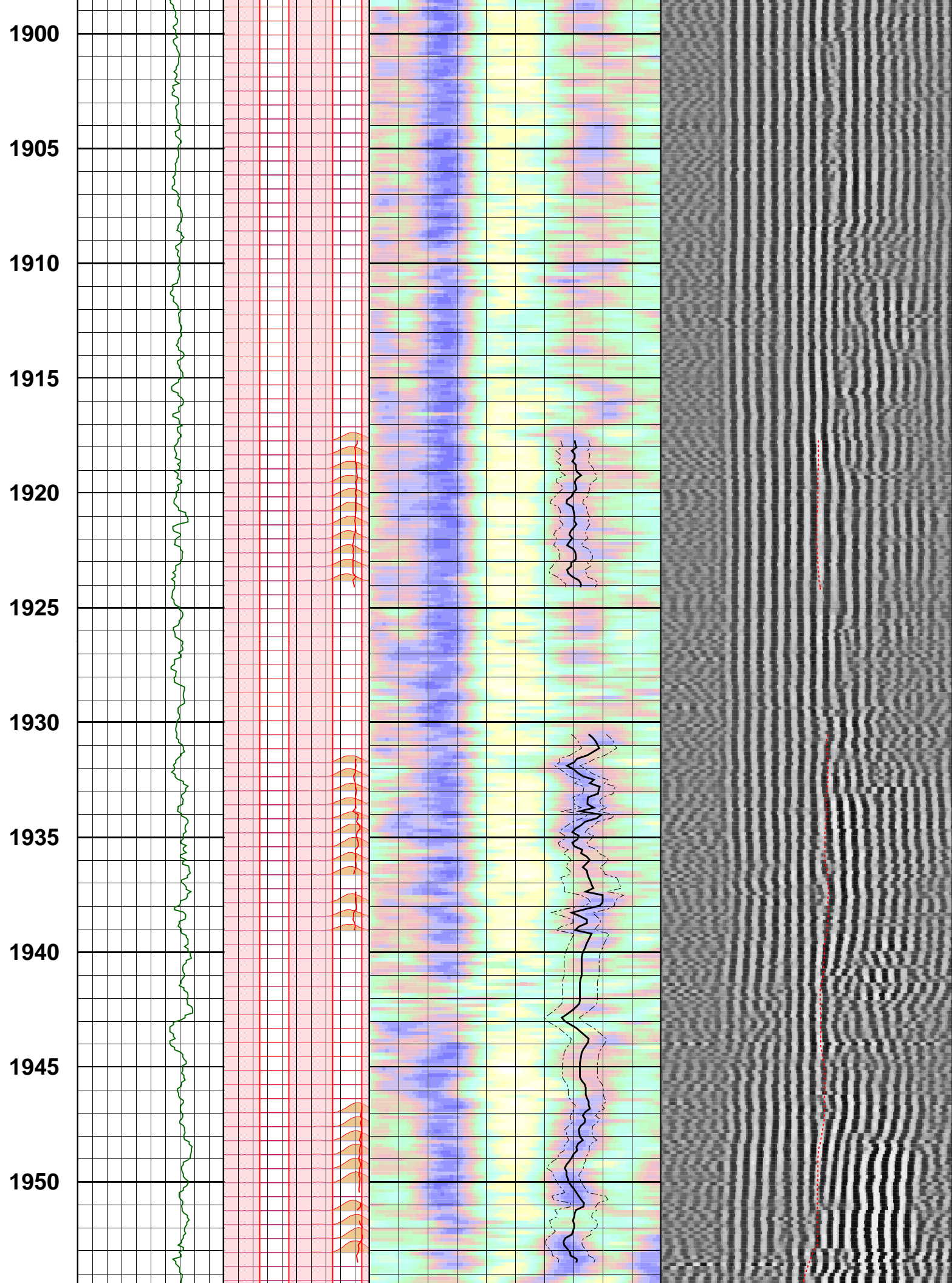


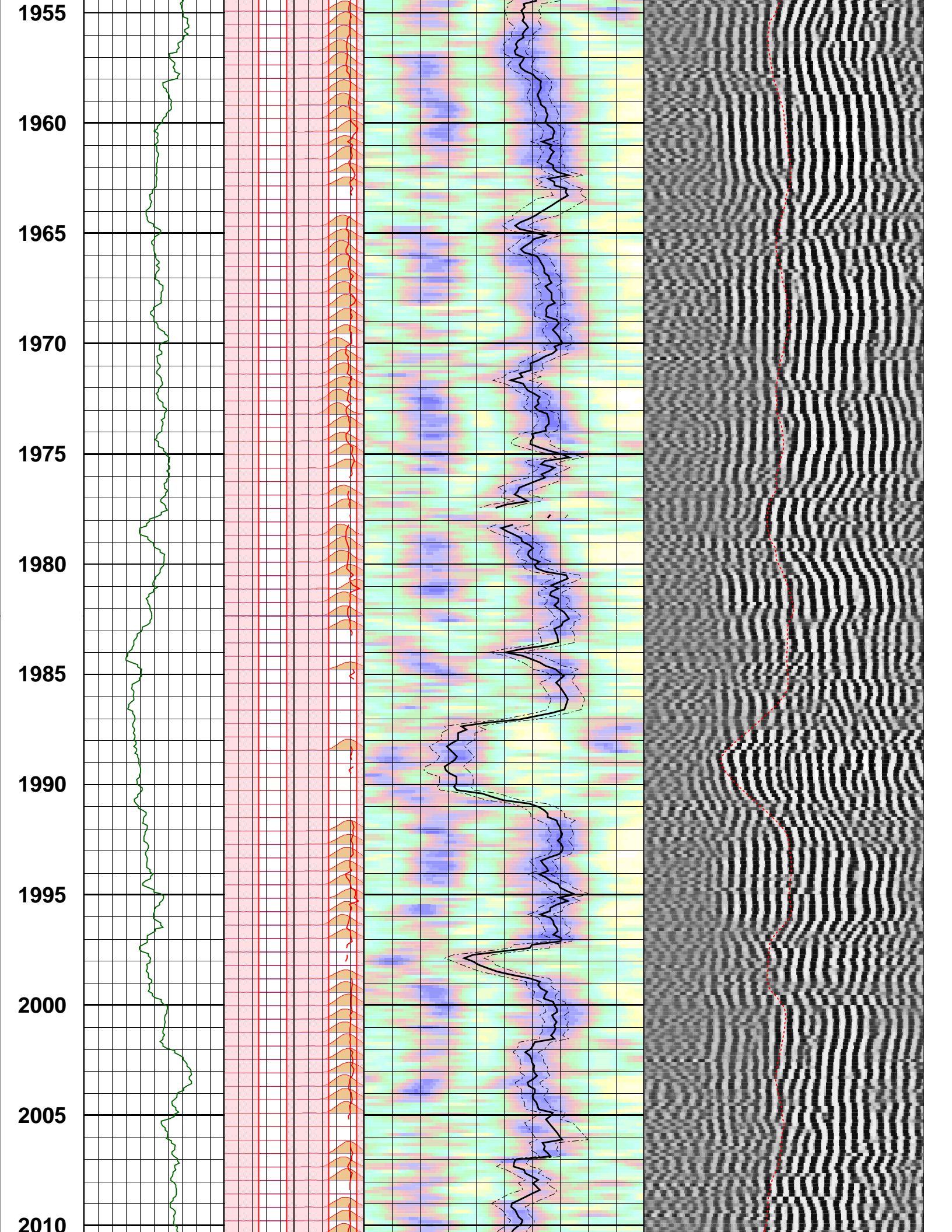




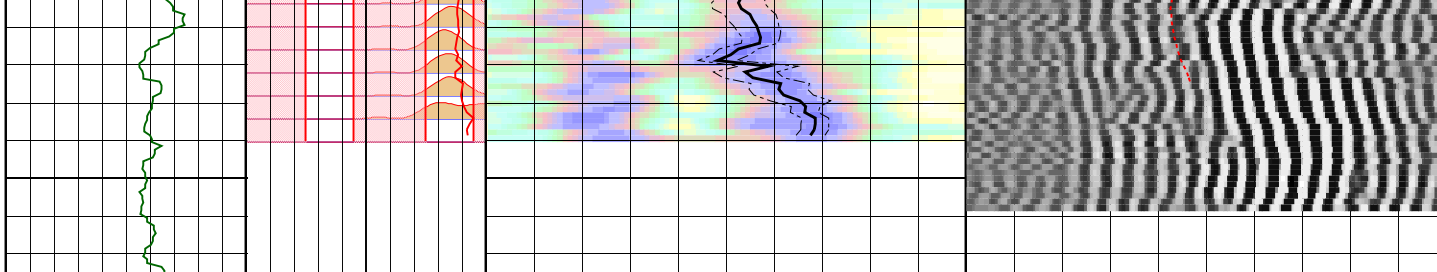








2015



Customized Process: Start Depth (2017.1 m), Stop Depth (1529.1 m), Logging Mode (sonicVISION – MPS_WIDE)
 Noise Cut Filtering(No), Casing Cut Filtering(No)
 WF_FLG(1 1 1 1), MUD_TYPE(Slow OBM), DTMUD(240), STCAL(Full Array)
 TRSPAC(3.05714), RRSPAC(0 0.2032 0.4064 0.6096)
 Hole Diameter (no input)
 Zoning Guide (DTBC@Run_5;1 (1513.33 – 2014.12 m))
 Tracking Guide (DTRP@BestDT-3;2 .CO .MPS_WIDE .ISONIC .SWP .BDT .EDT (2014.04 – 1529.1 m))

--- Zone Top Depth (0), Zone Name (Zone1) ---

SFTY(Intermediate), BHS(OPEN), CSIZ(9.625), HDM(Fix*), HD(12.25)
 TWI(277.995*), SLL(40.4227*), SUL(280.831*), SST(2.12751*), TLL(400), TUL(3378.52), TST(39.7135)
 SBW(1200*), SBO(860*), SWD(20), TWD(840), SEM(0.45), FLENG(49*), FLOW(5000*), FHIGH(9000*)
 TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

MD 1 : 200 m	Gamma Ray 0 (gAPI) 150	CfRS -10000 (Hz) 10000	DtRS 40 (us/ft) 240		
		CfRC 0 (Hz) 20000	DtRC 40 (us/ft) 240		
		SpcRS -10000 (Hz) 10000	STPrjR 40 (us/ft) 240	TISS 400 (us) 3378	
		SpcRC 0 (Hz) 20000		TICS 400 (us) 3378	
				WF VDL 400 (us) 3378	

Company: Santos Limited
 Well: Henry-2
 FIELD: Otway
 Rig: Ocean Patriot
 STATE: Victoria

Schlumberger

Date Logged: 14-Sep-2008 Date Processed: 15-Sep-2008

API Number: 08ASQ0011