



GEOFRAME  
PROCESSED  
INTERPRETATION

BestDT\*  
sonicVision Processing

2670m – 3012m (1/200)

\* A Mark of Schlumberger

Using the following logs:      sonicVision

COMPANY:	ESSO Australia Pty. Ltd.
WELL:	HLA A7A
FIELD:	Halibut
RIG:	ISDL 453
STATE:	Victoria
COUNTRY:	Australia
Date Logged:	30-May-2007
Well Location:	Bass Strait
	Date Processed: 31-May-2007

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.

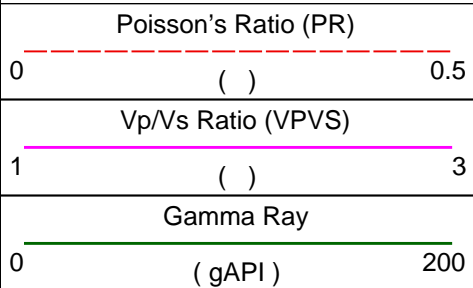
Field Recording:	Location:	Software Version: 12C0-302	Engineer: GHS/CH
Office Recording:	ICS Center: Melbourne	Baseline: GF 4.3 DC2	Log Analyst: A. Datey

Bitsize: 8.5in

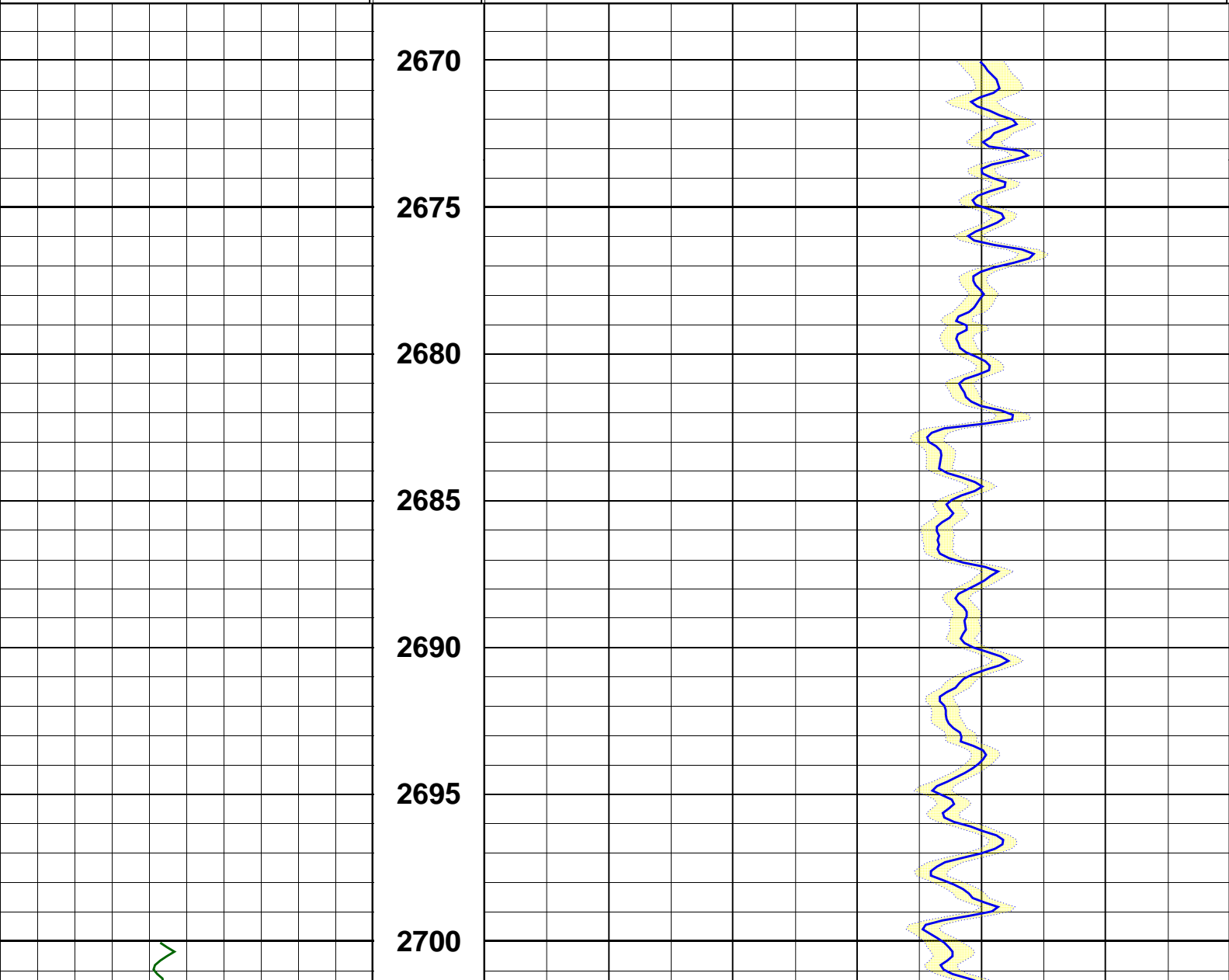
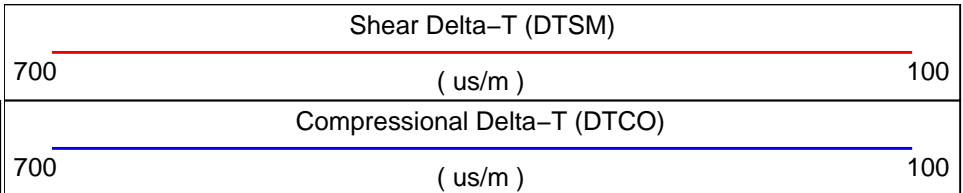
Remarks:

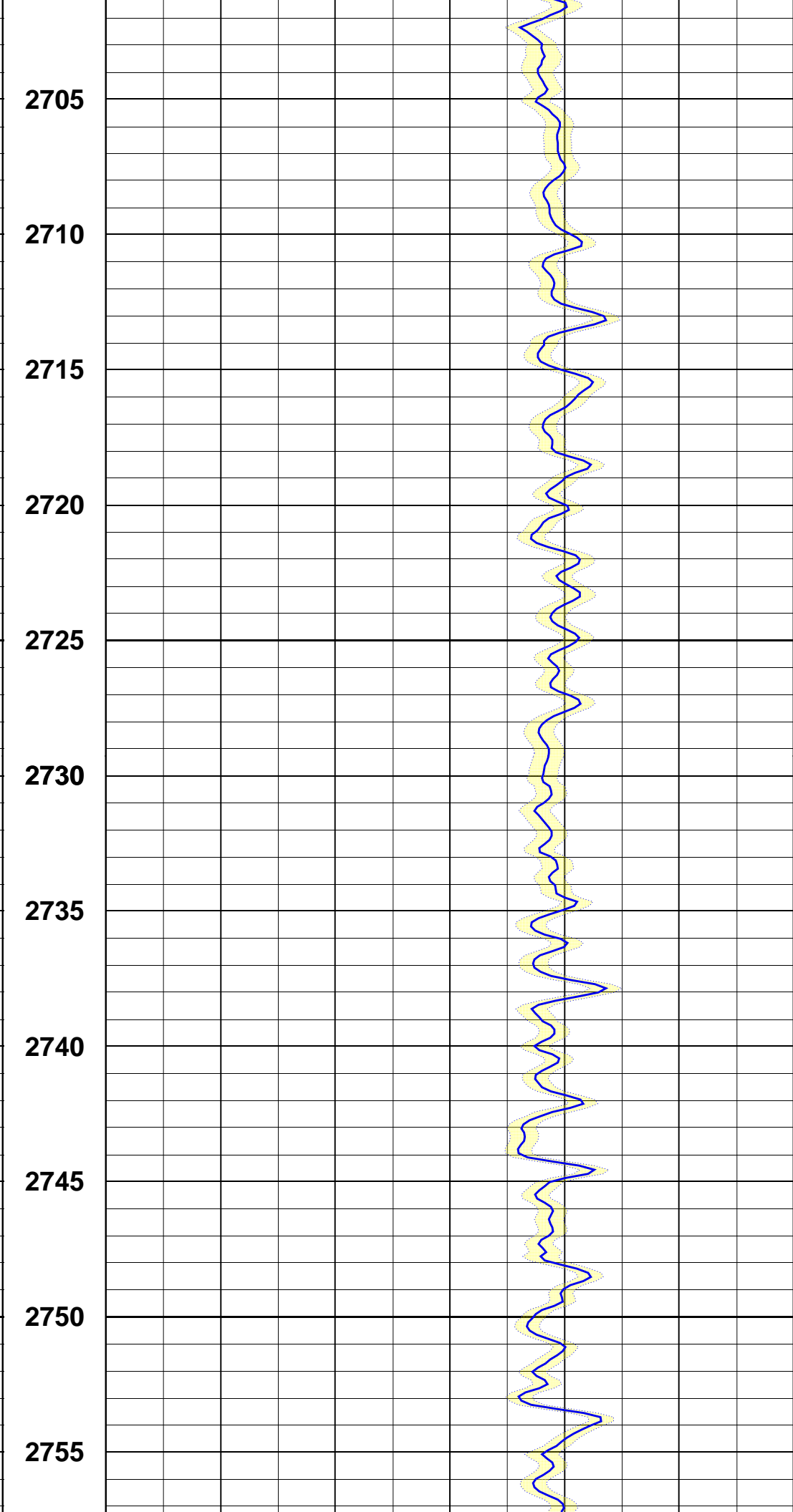
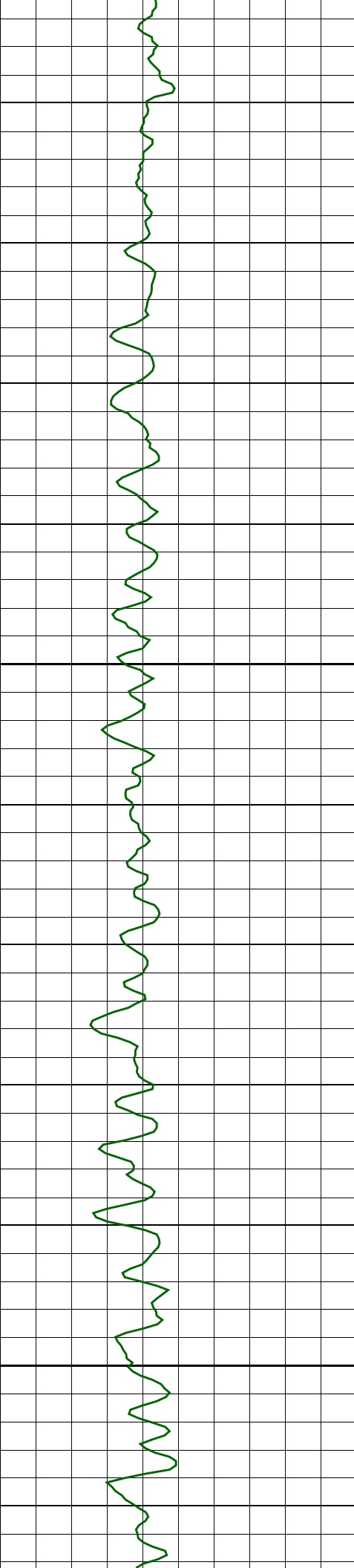
DT Compressional processed using 10KHz – 16KHz filter.  
DT Shear processed using 5KHz – 1KHz filter.  
See bottom of the log for more QC parameters.  
Log between 2925m – 2935m patched from tripping out log as the drilling ....  
.... waveforms were noisy.

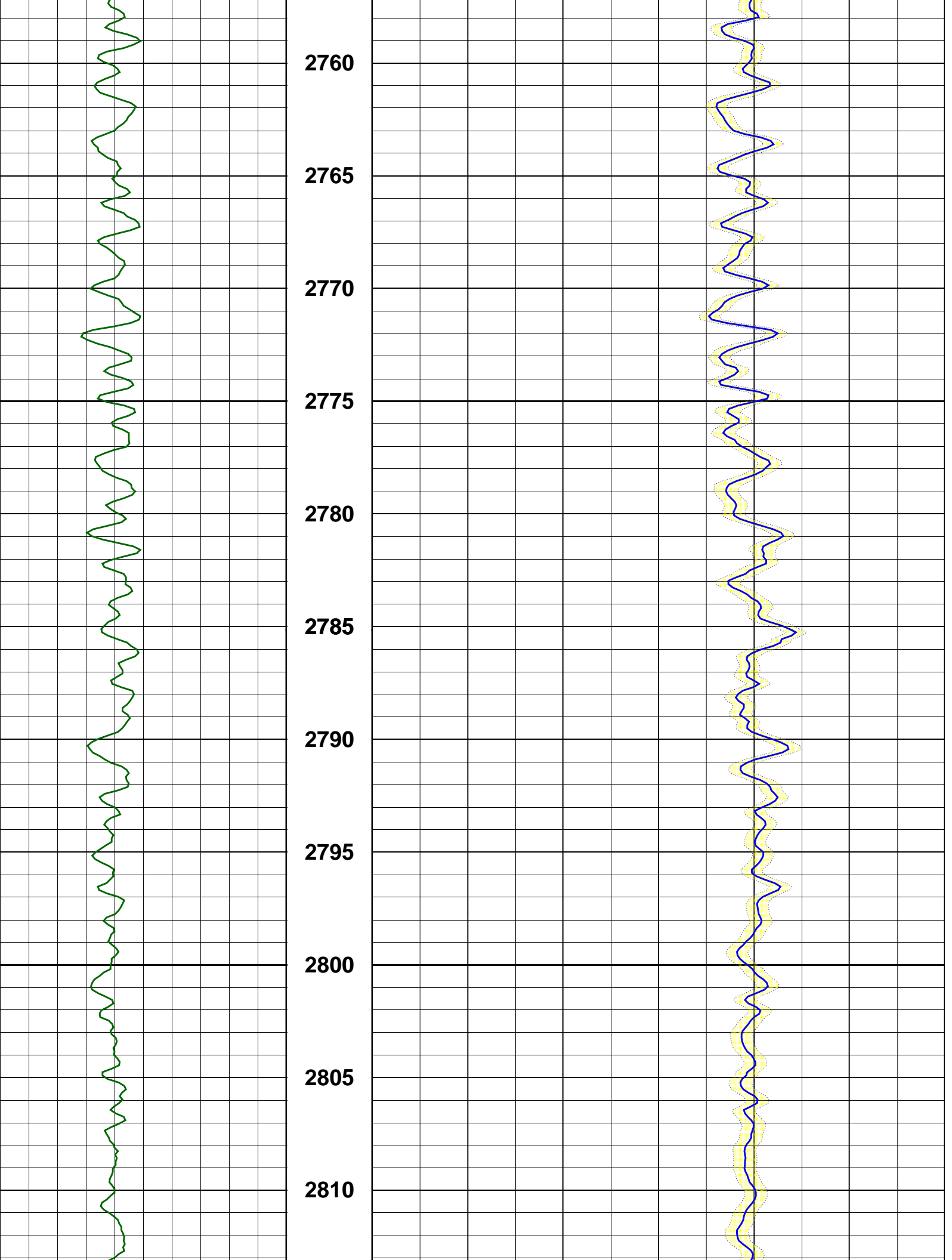
Processed Data



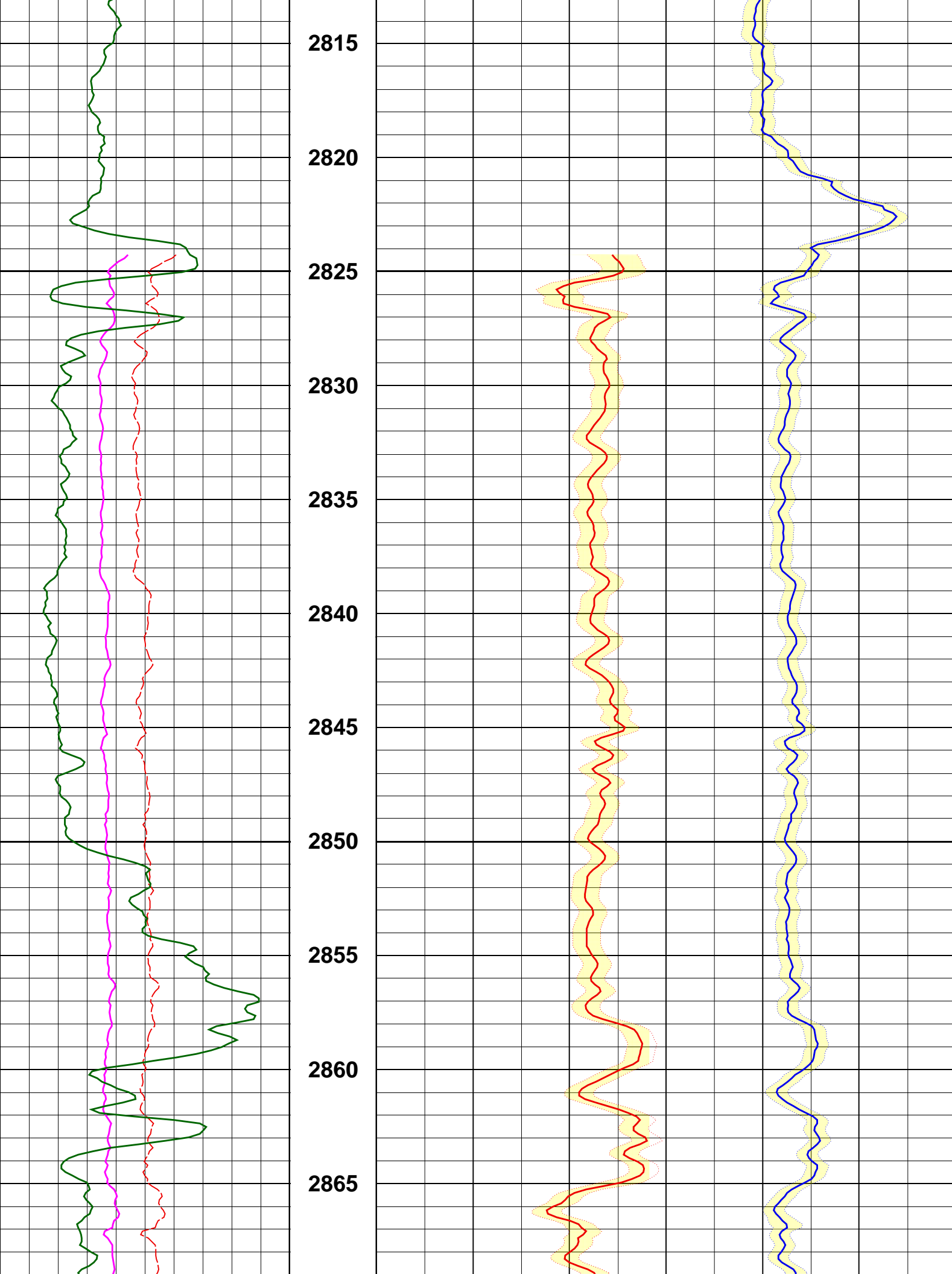
MD  
1 : 200  
m

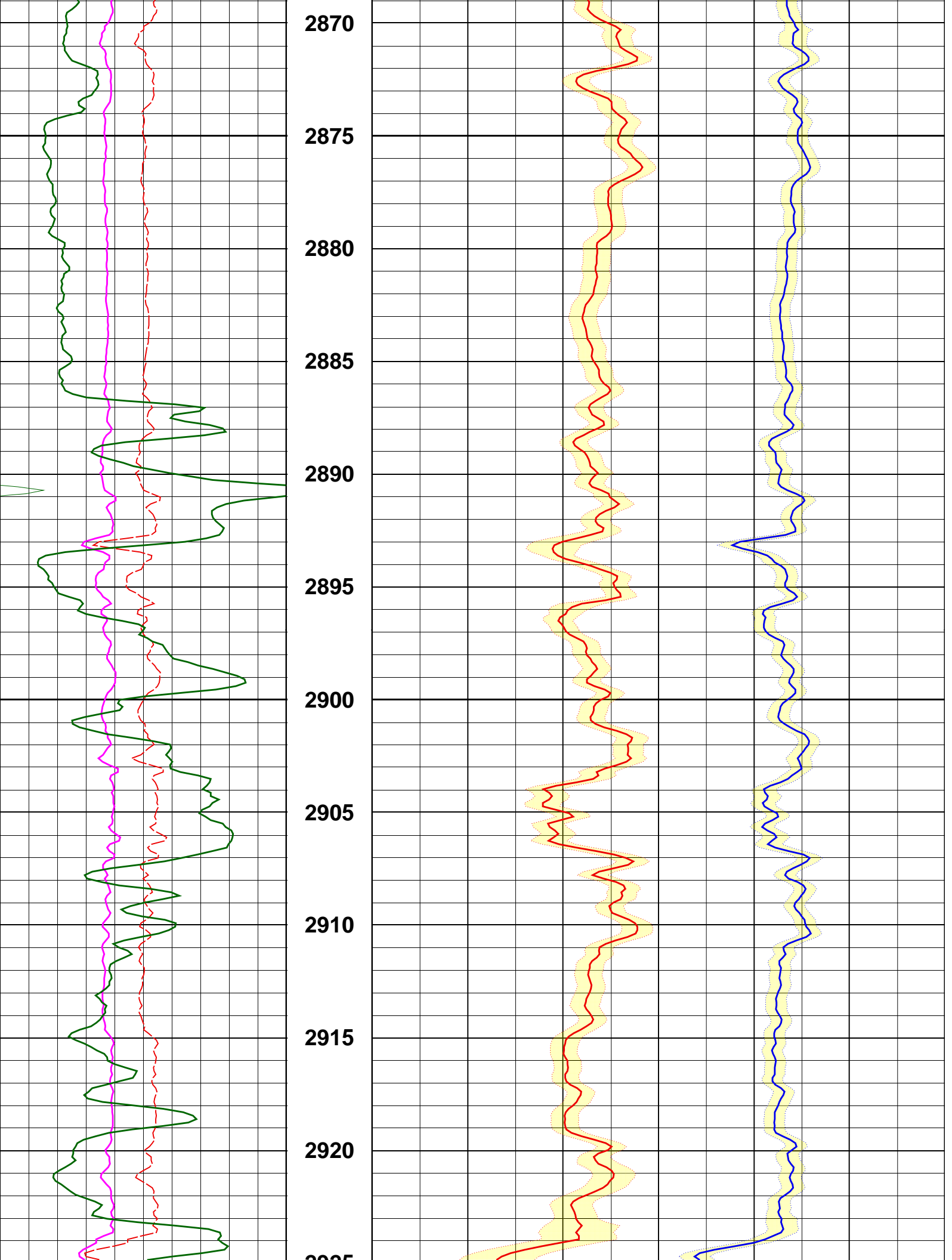


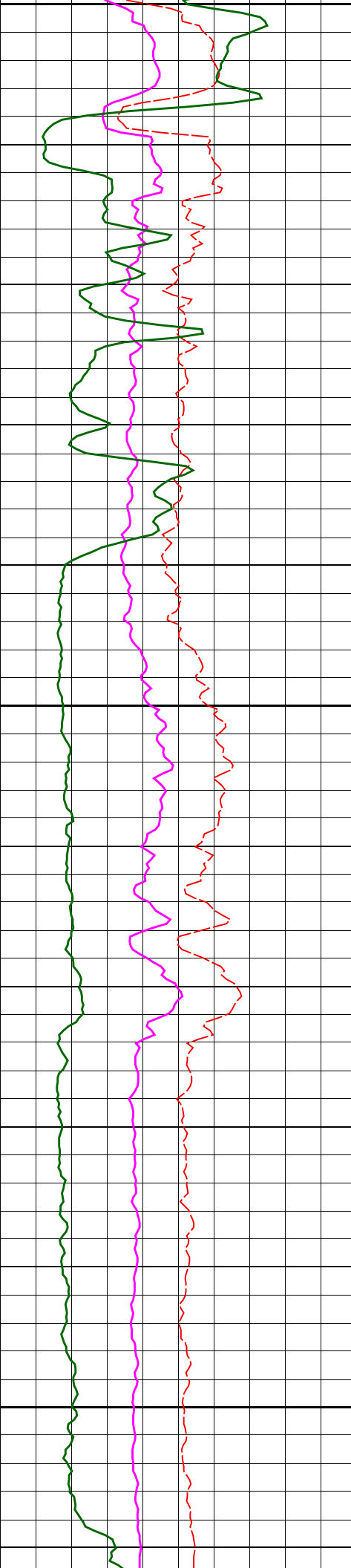




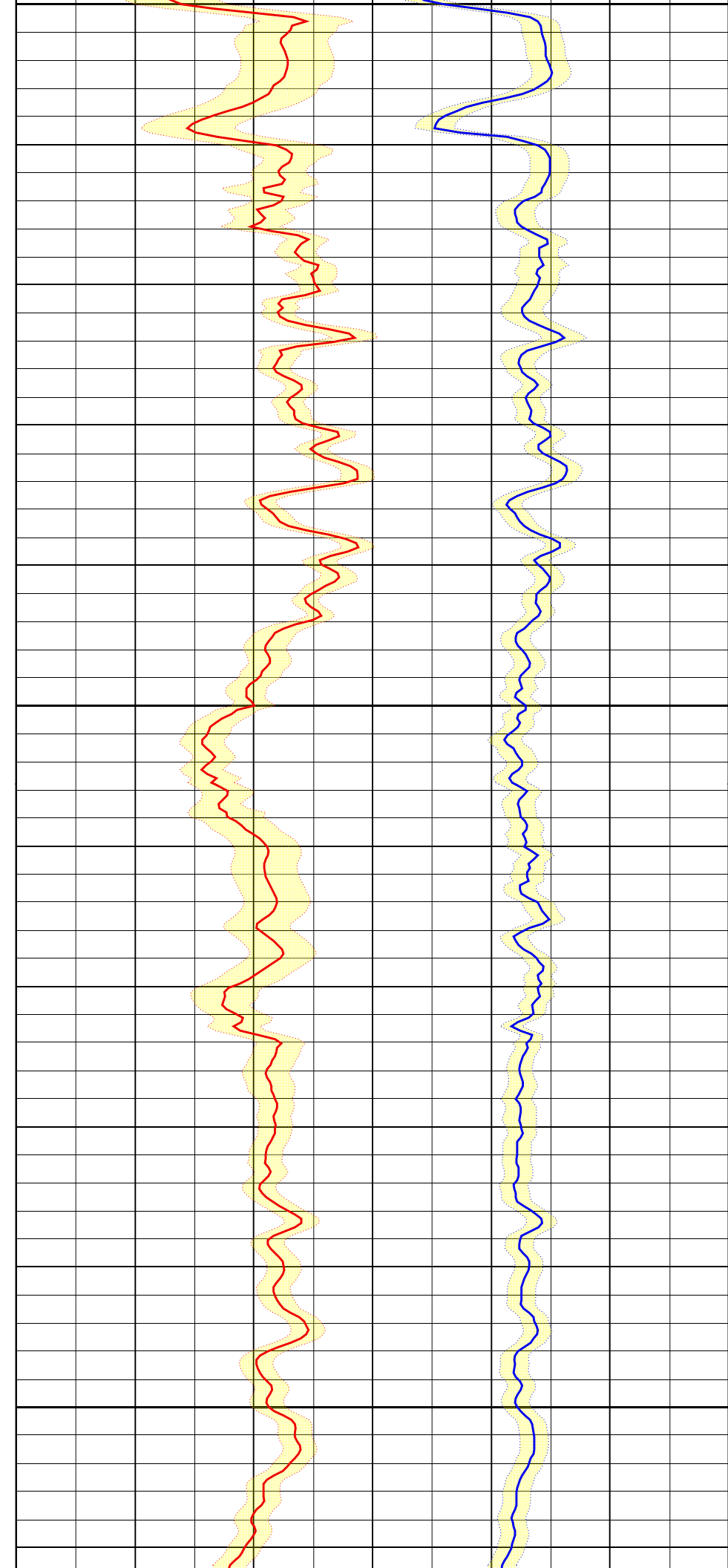


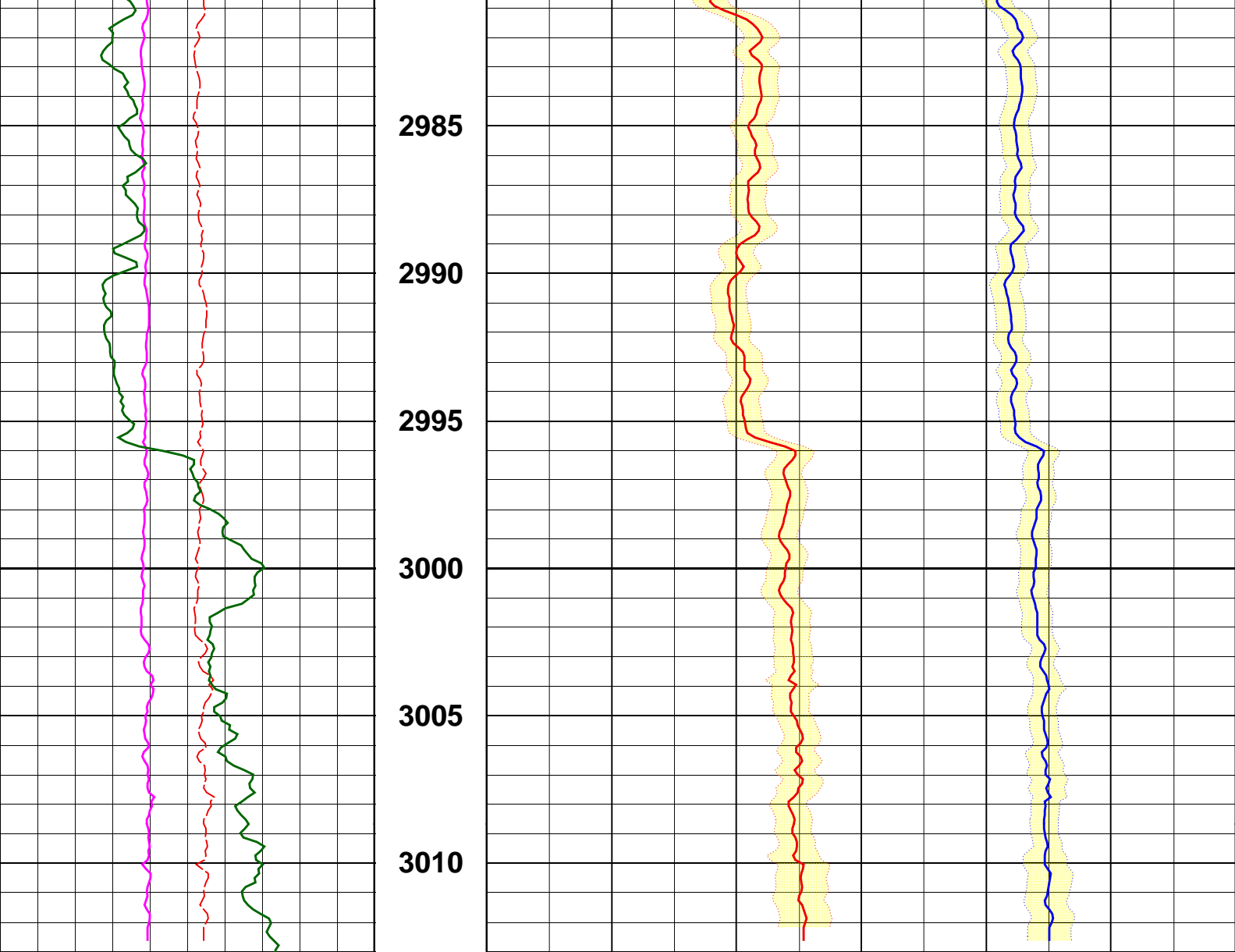






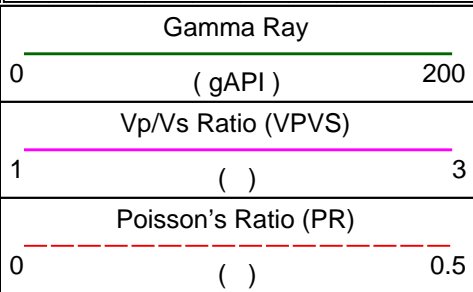
2925  
2930  
2935  
2940  
2945  
2950  
2955  
2960  
2965  
2970  
2975  
2980



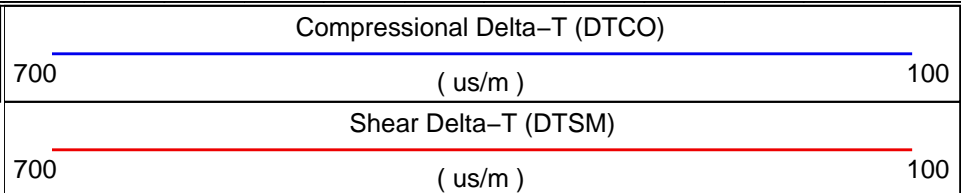


--- Finalization Result ---

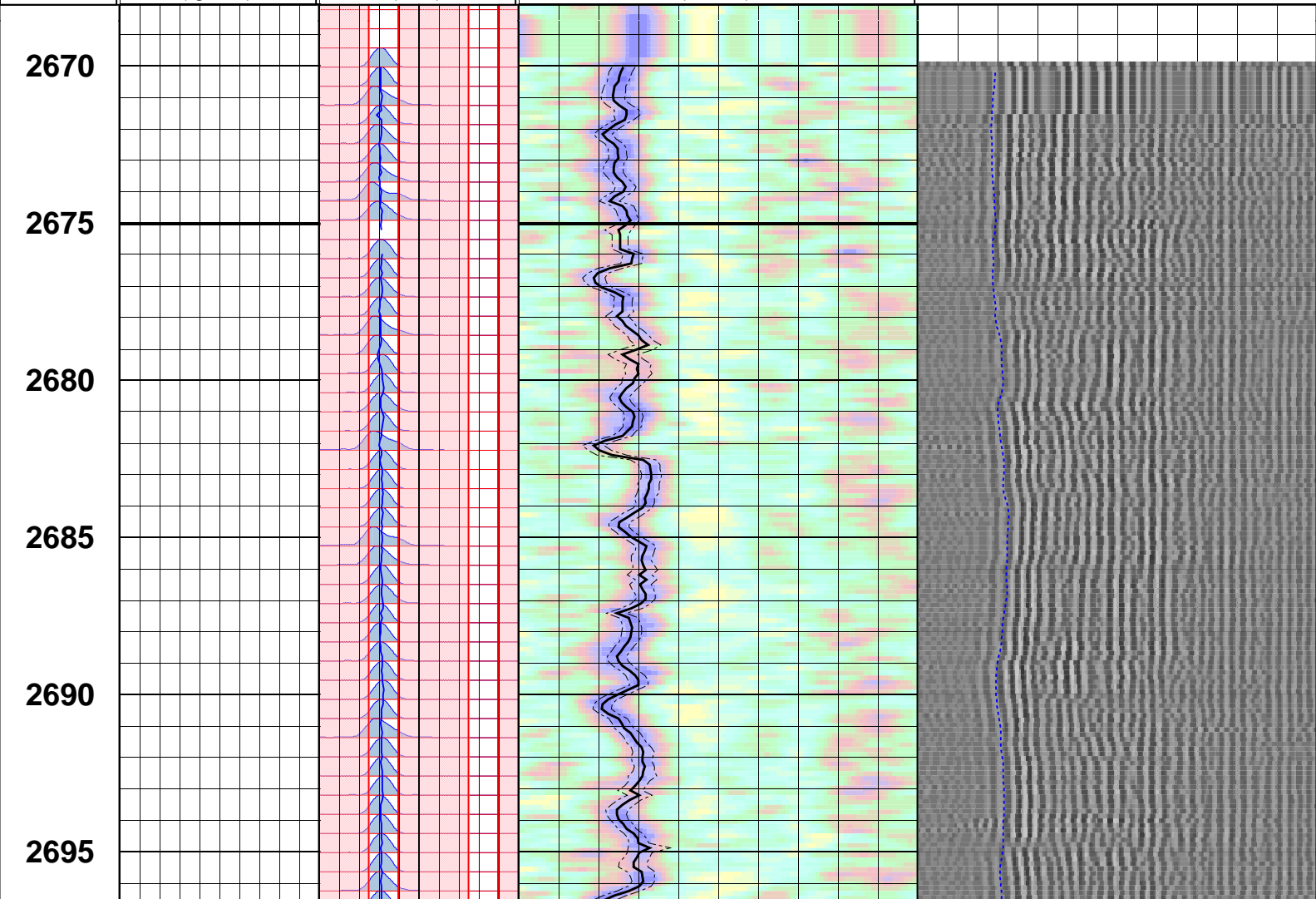
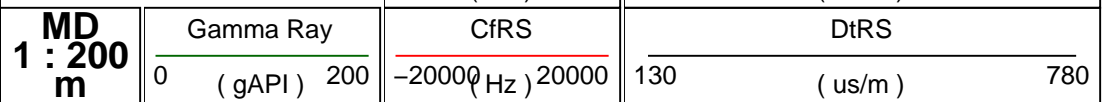
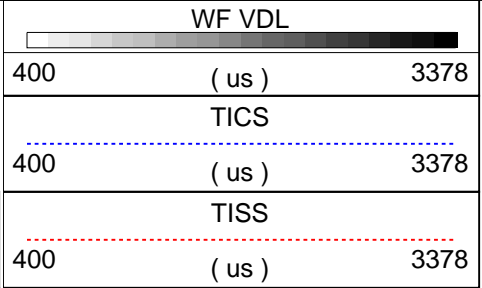
1 MPS Compressional	Receiver	Absent levels=	13	
1 MPS Compressional	Transmitter	Absent levels=	104	
2 MPS Compressional	Receiver	Absent levels=	2242	
2 MPS Compressional	Transmitter	Absent levels=	2237	
1 MPS Shear	Receiver	Absent levels=	2242	
1 MPS Shear	Transmitter	Absent levels=	2238	
2 MPS Shear	Receiver	Absent levels=	1043	
2 MPS Shear	Transmitter	Absent levels=	1104	
1 MPS Compressional	DDBHC	Absent levels=	13	*Selected*
2 MPS Compressional	DDBHC	Absent levels=	2261	
1 MPS Shear	DDBHC	Absent levels=	2262	
2 MPS Shear	DDBHC	Absent levels=	1028	*Selected*



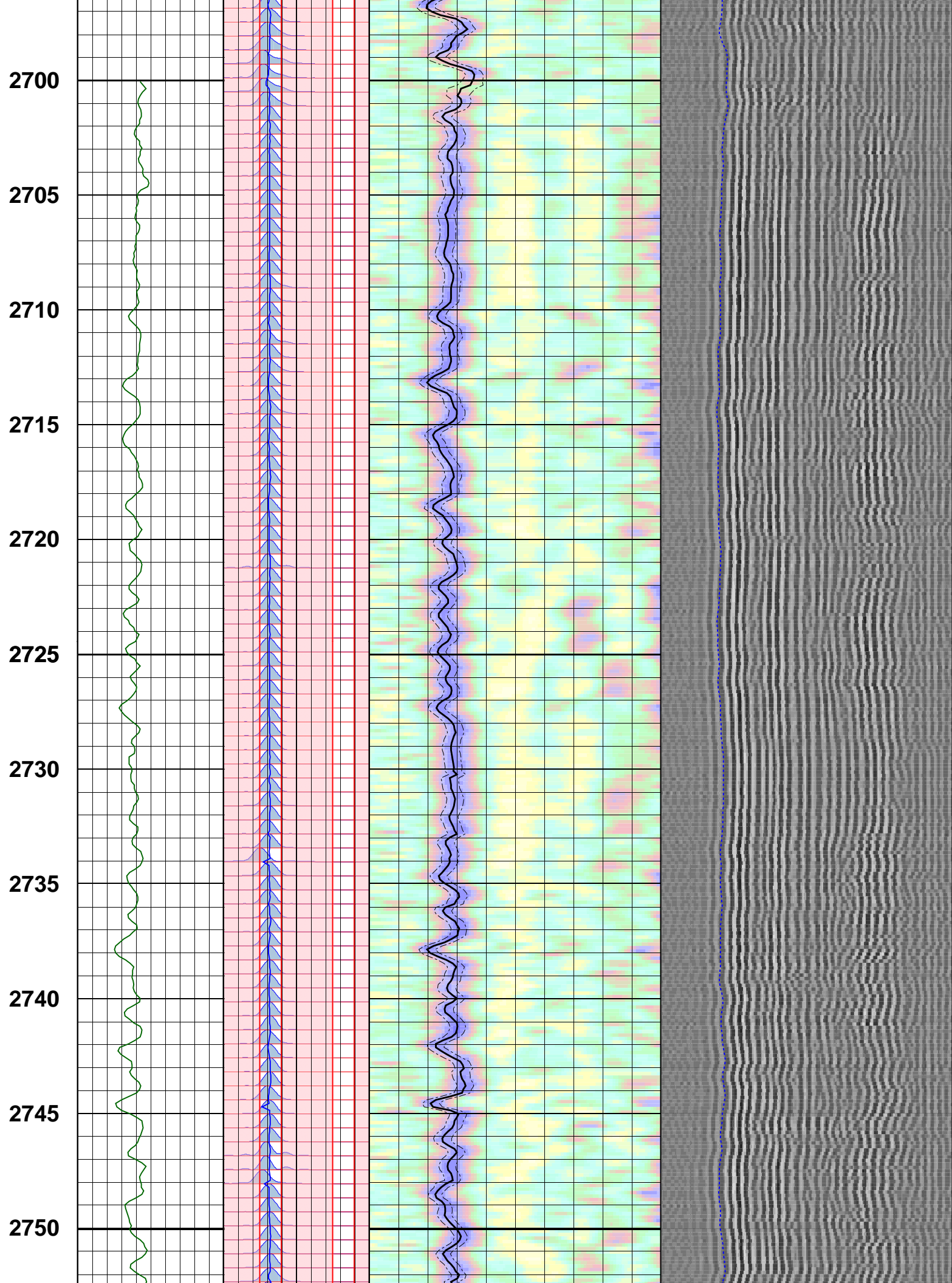
MD  
1 : 200  
m

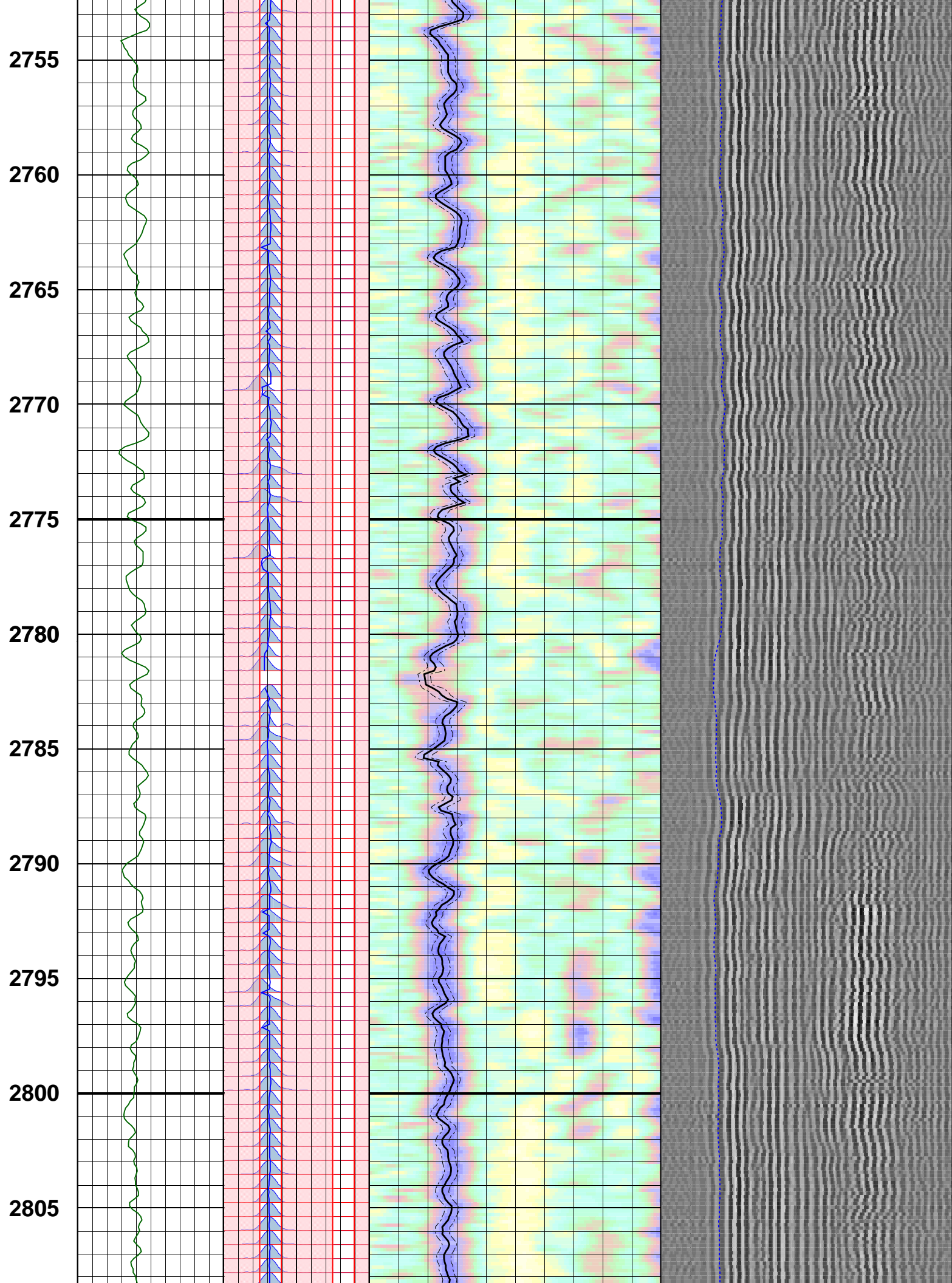


## Compressional Processing QC

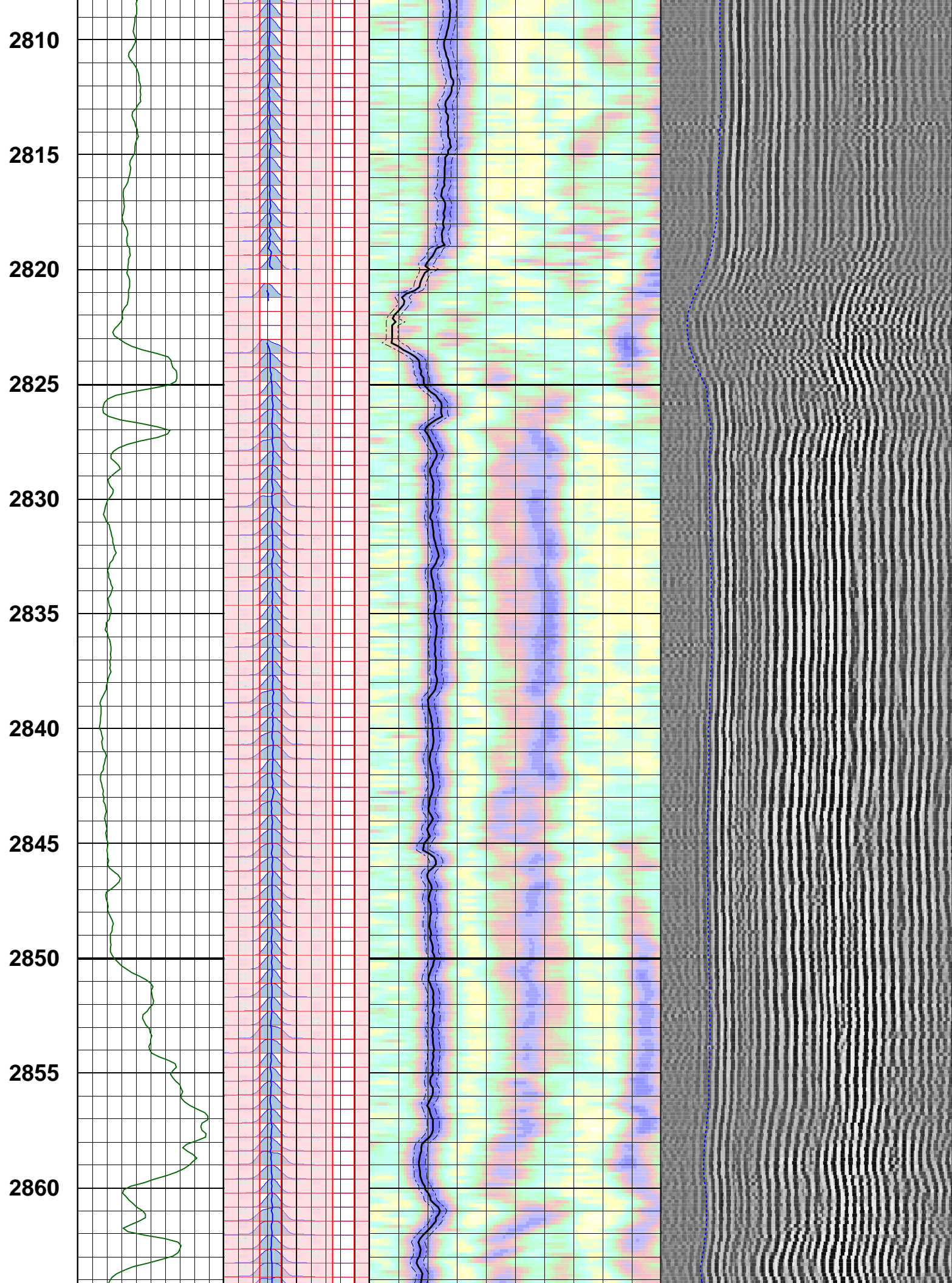




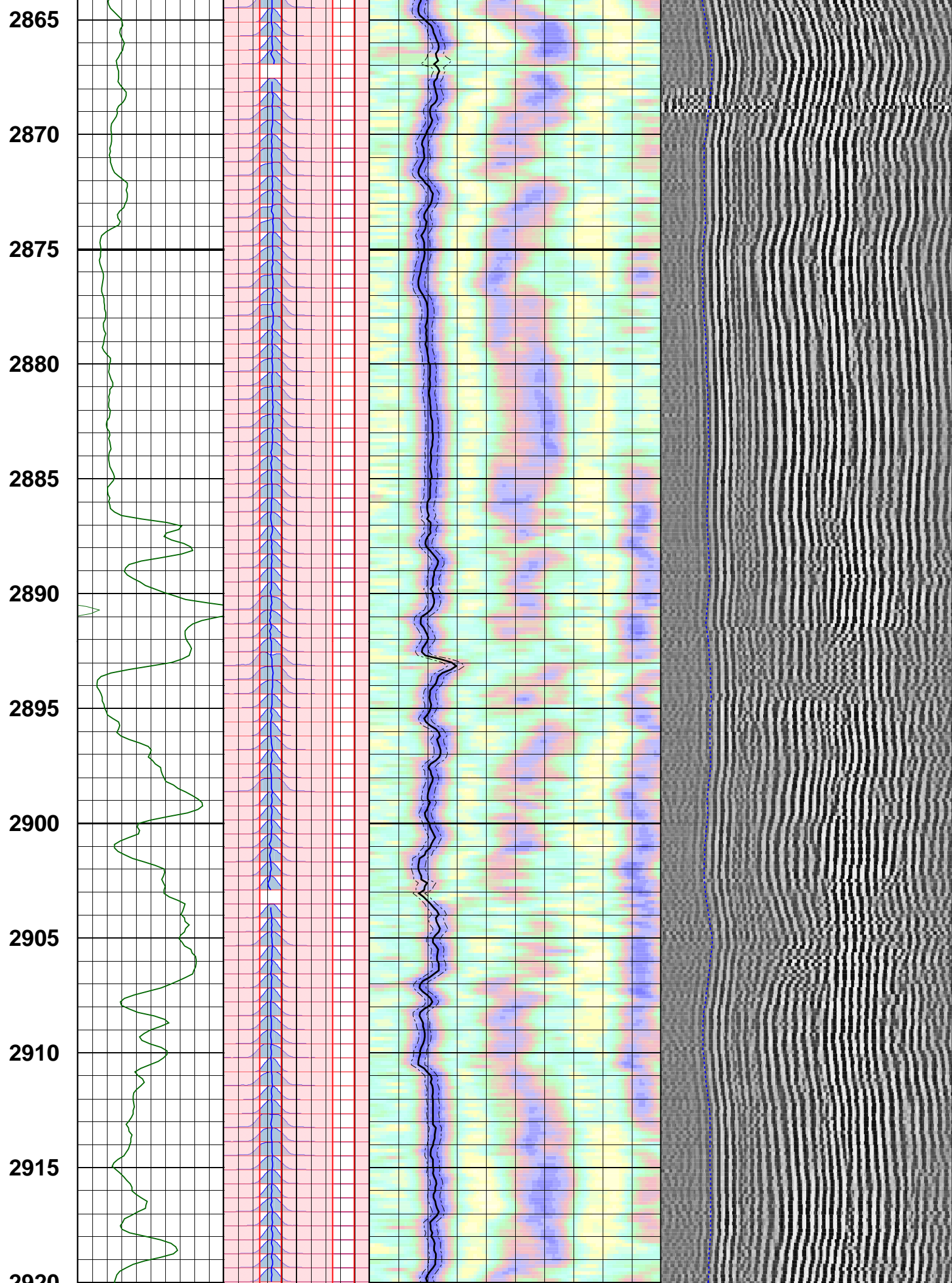


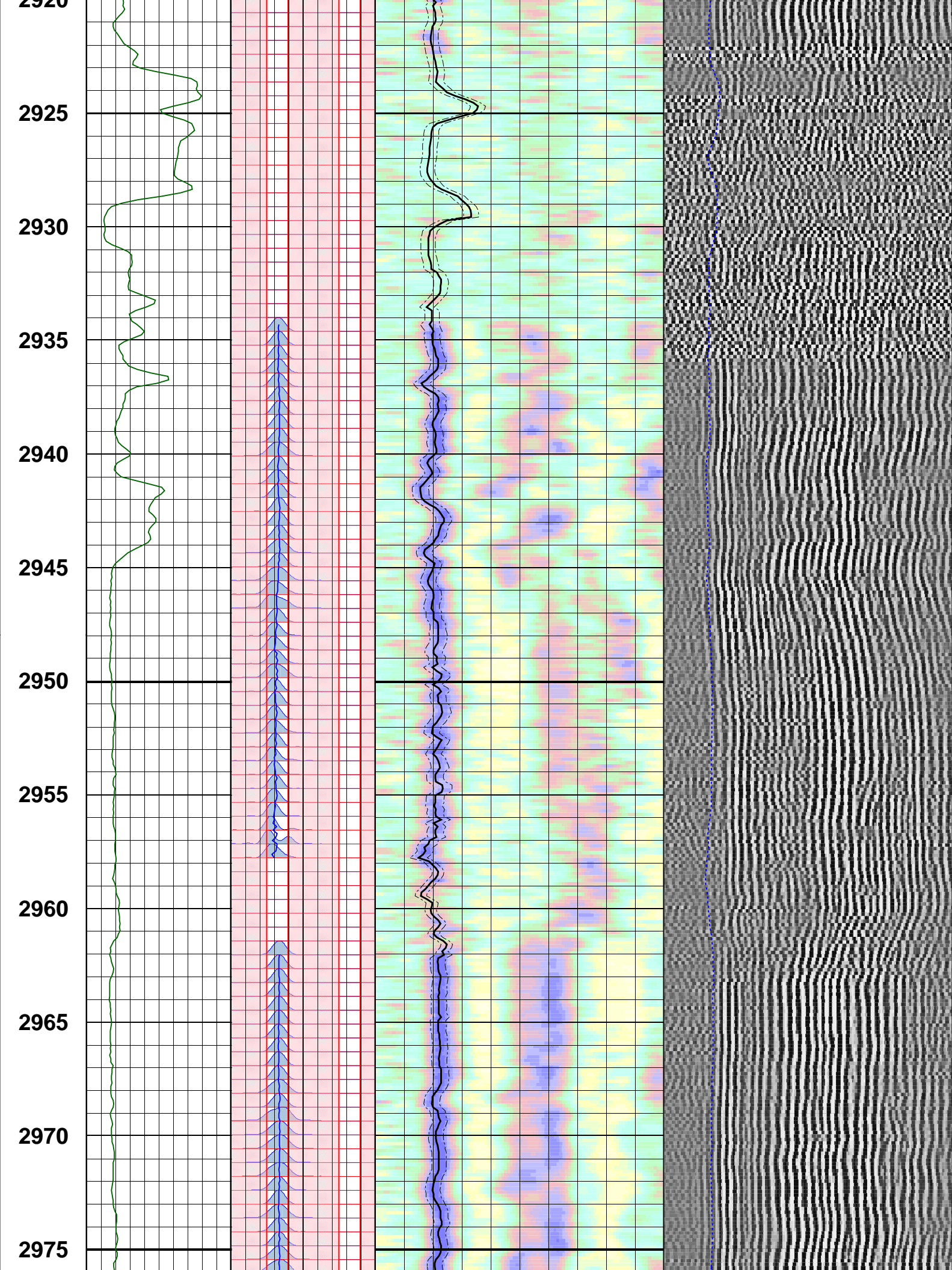




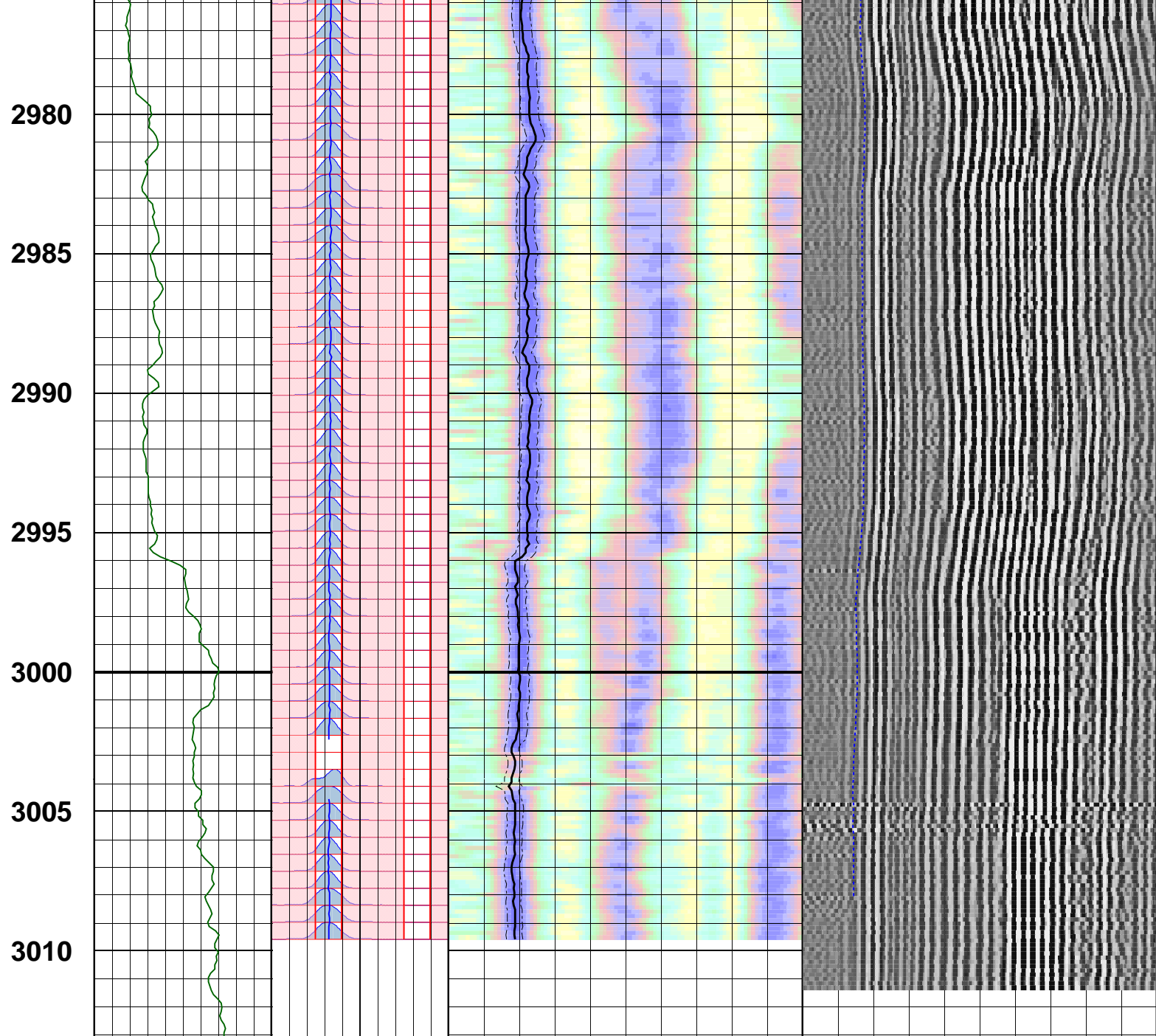








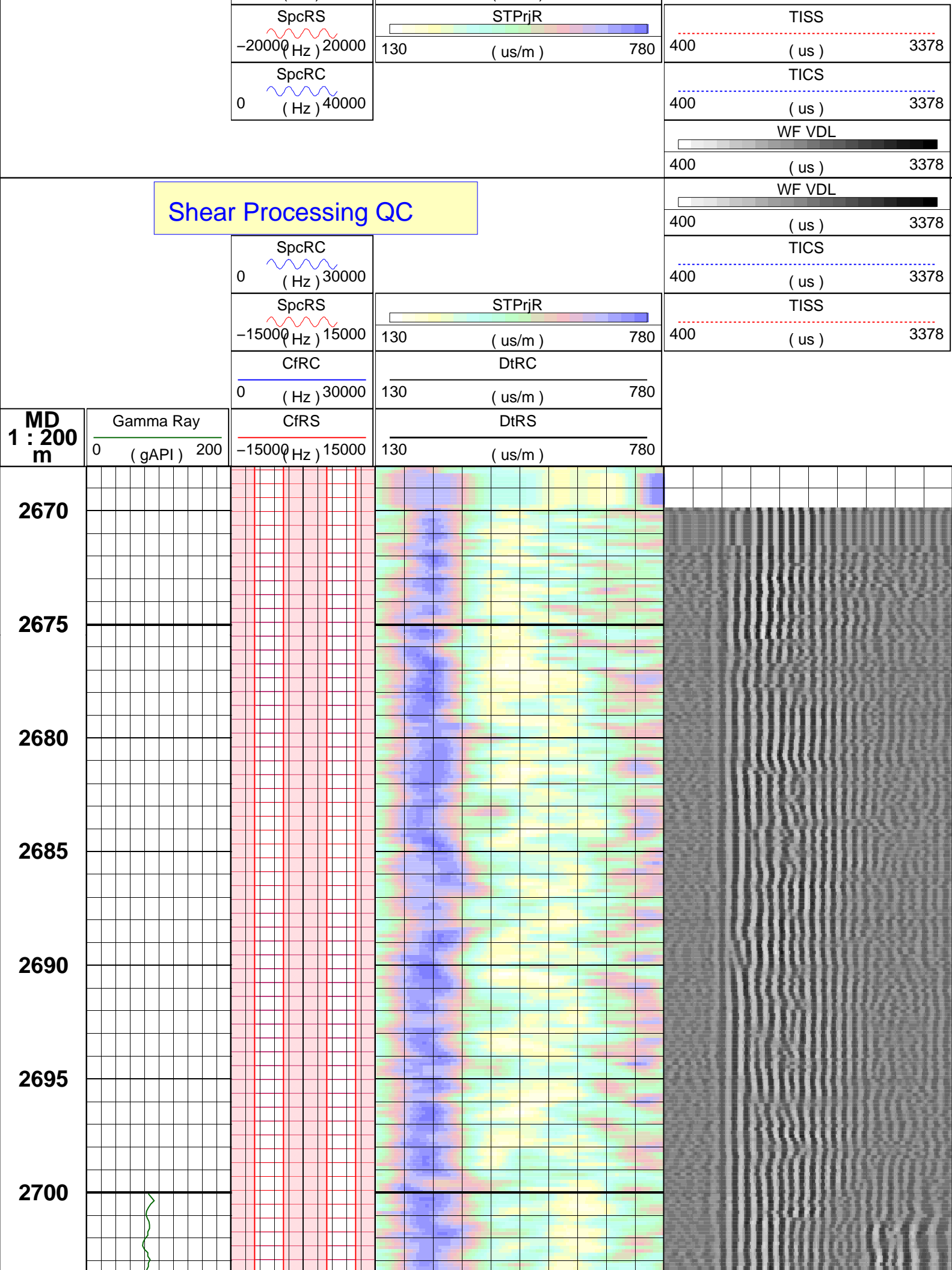




Customized Process: Start Depth (3012.58 m), Stop Depth (2668.05 m), Logging Mode (ISONIC – MPS\_WIDE)  
Noise Cut Filtering(No), Casing Cut Filtering(No)  
WF\_FLG(1 1 1 1), MUD\_TYPE(WBM), DTMUD(656.168), STCAL(Full Array)  
TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)  
Hole Diameter (no input)  
Zoning Guide (DTBC@Run\_2;1 (47.8536 – 3009.6 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
		CfRC	DtRC
		0 ( Hz ) 40000	130 ( us/m ) 780



2705

2710

2715

2720

2725

2730

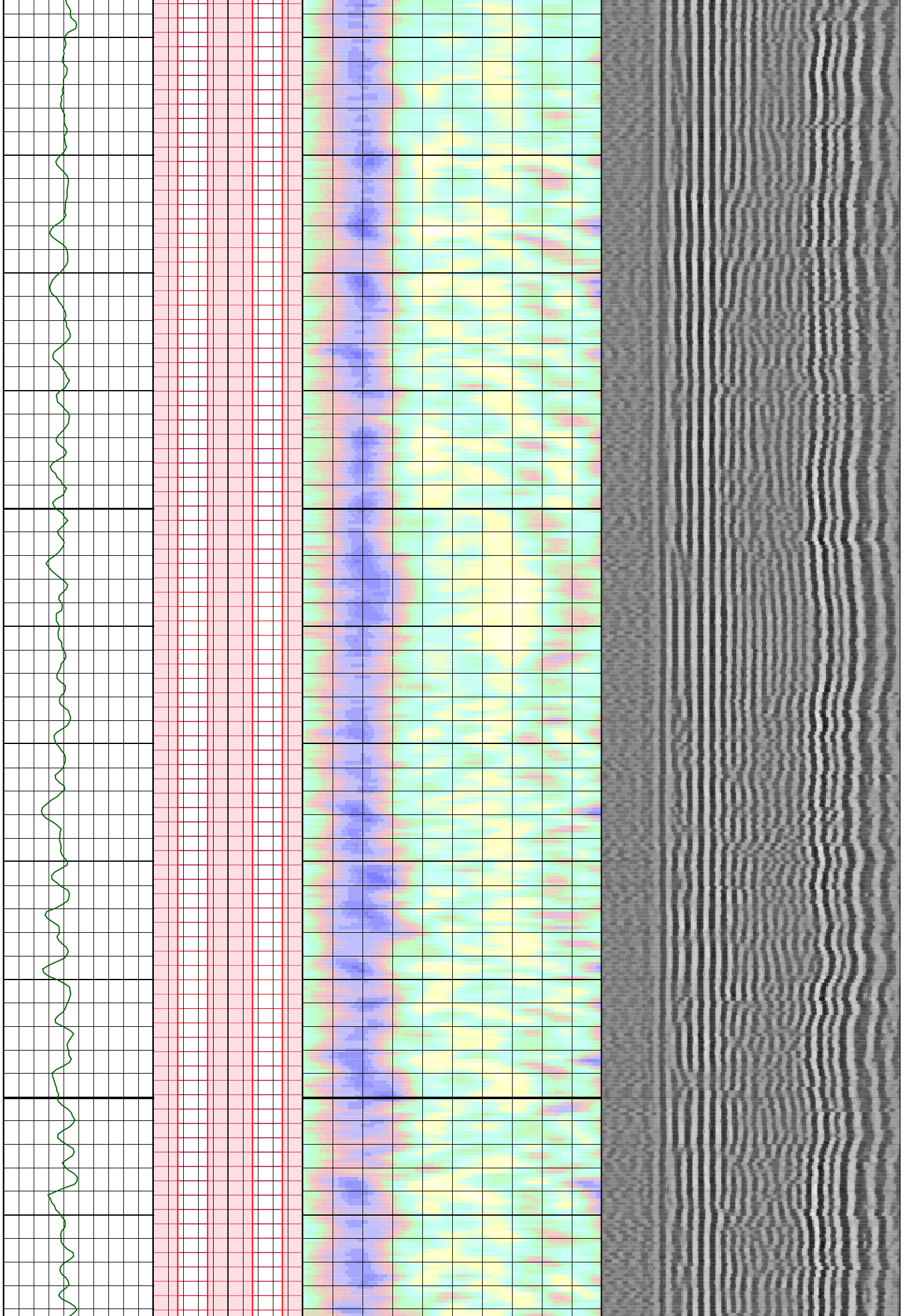
2735

2740

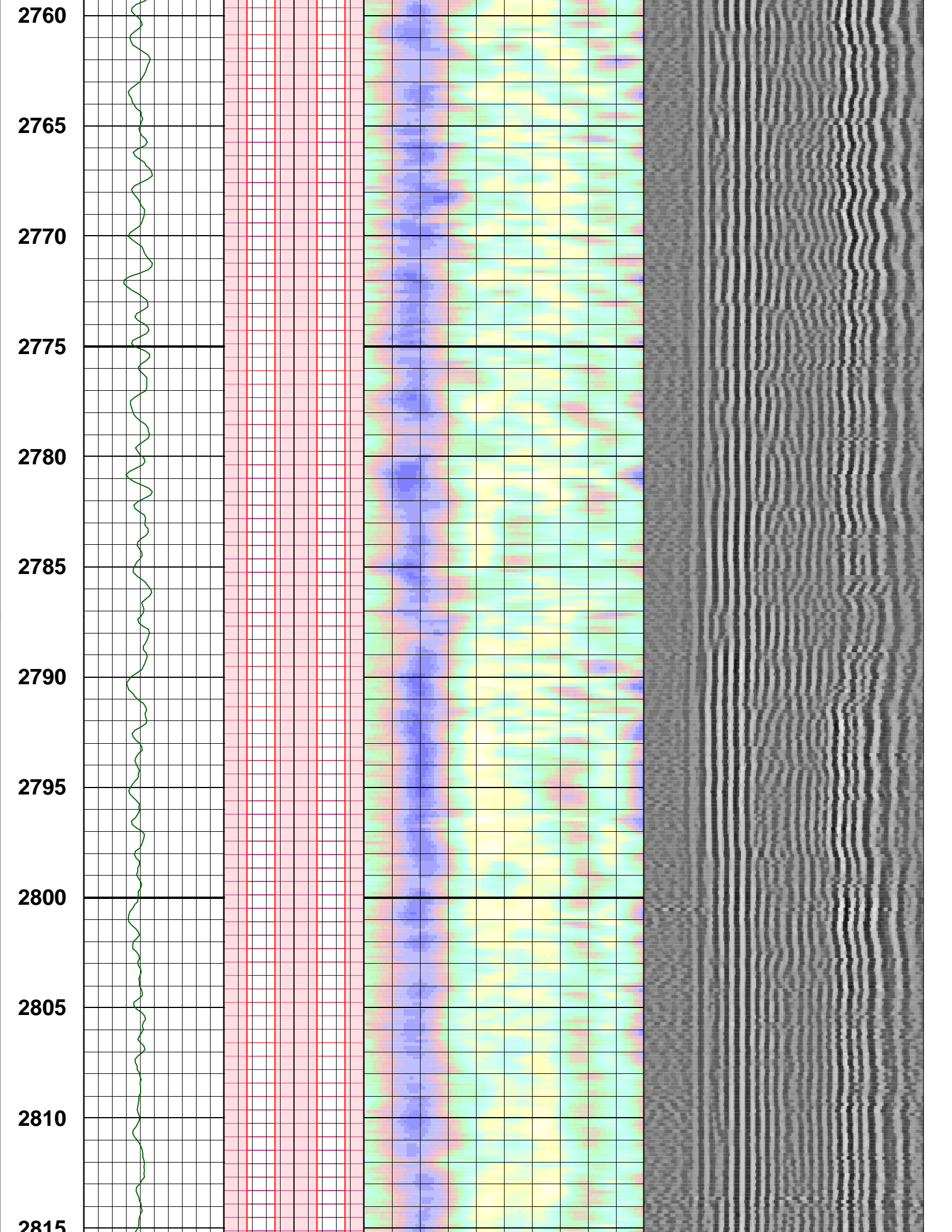
2745

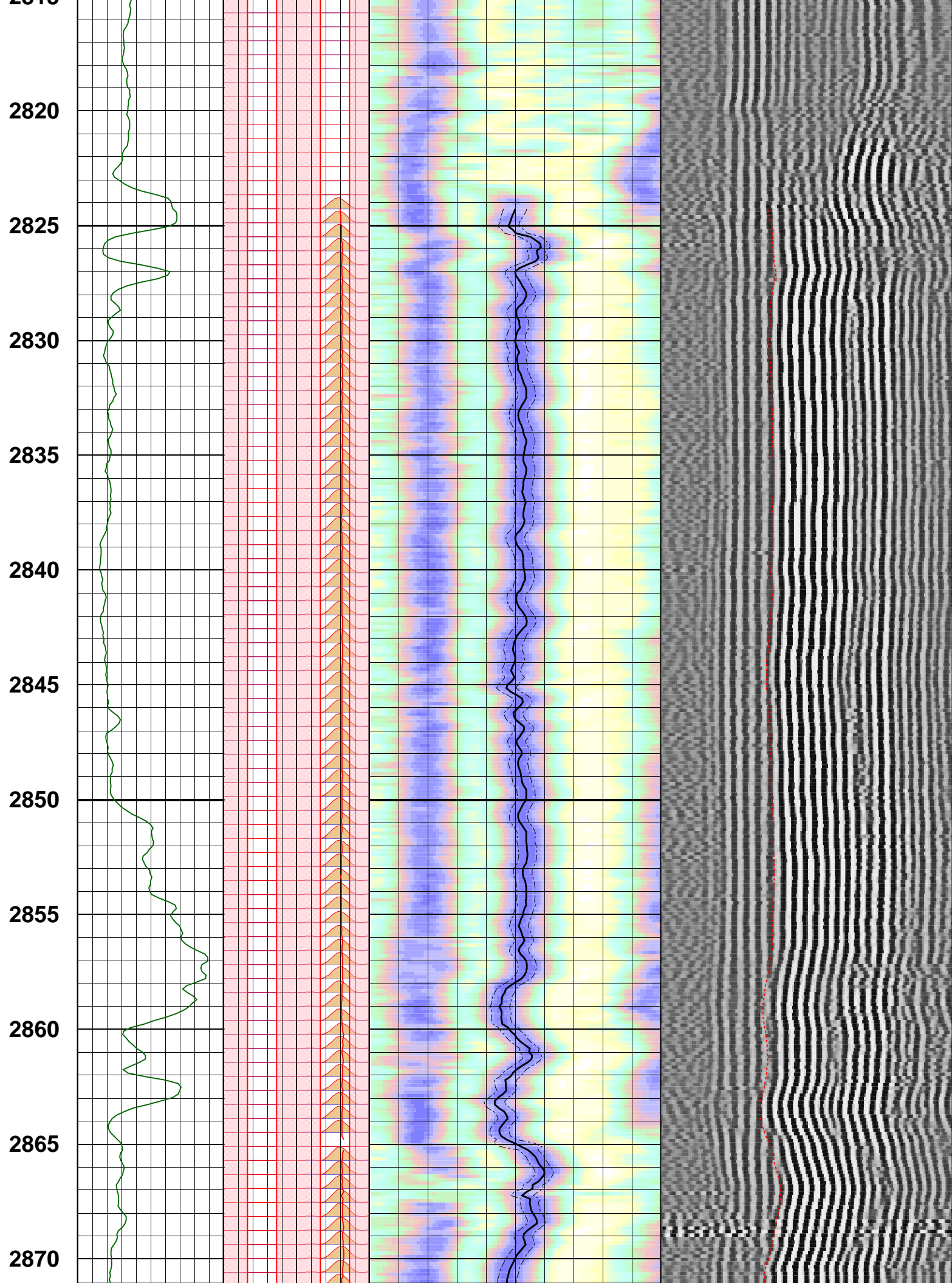
2750

2755



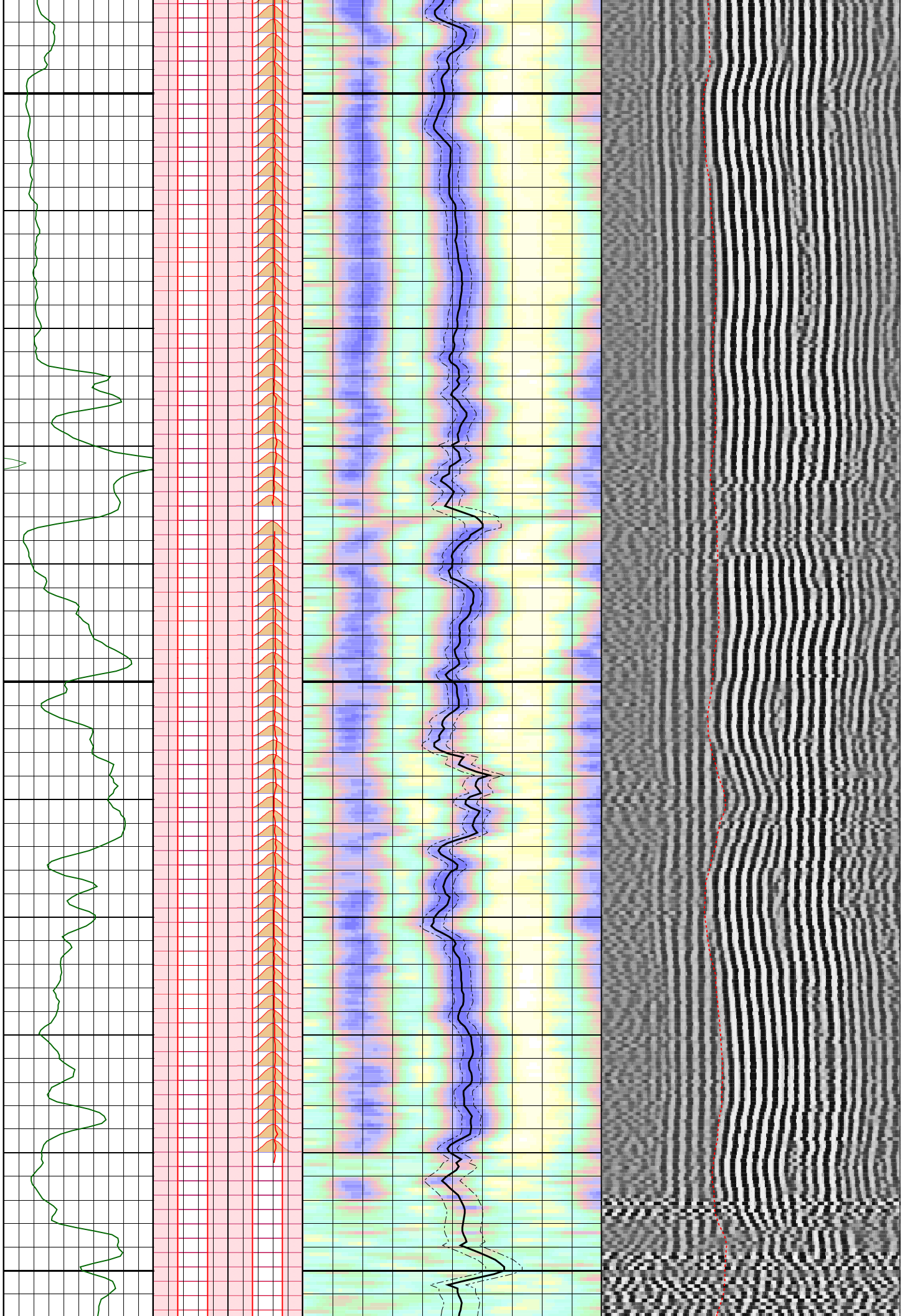




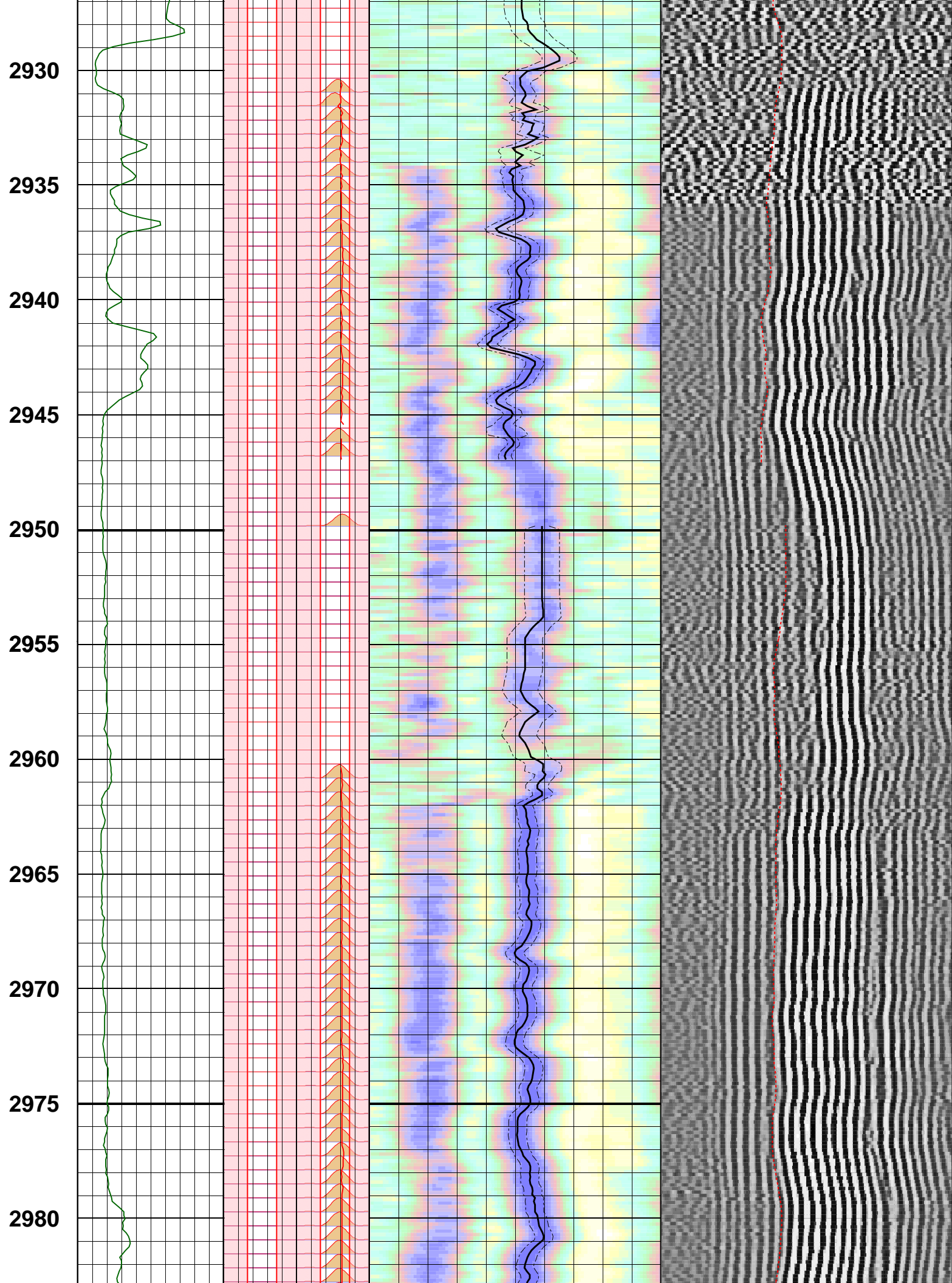


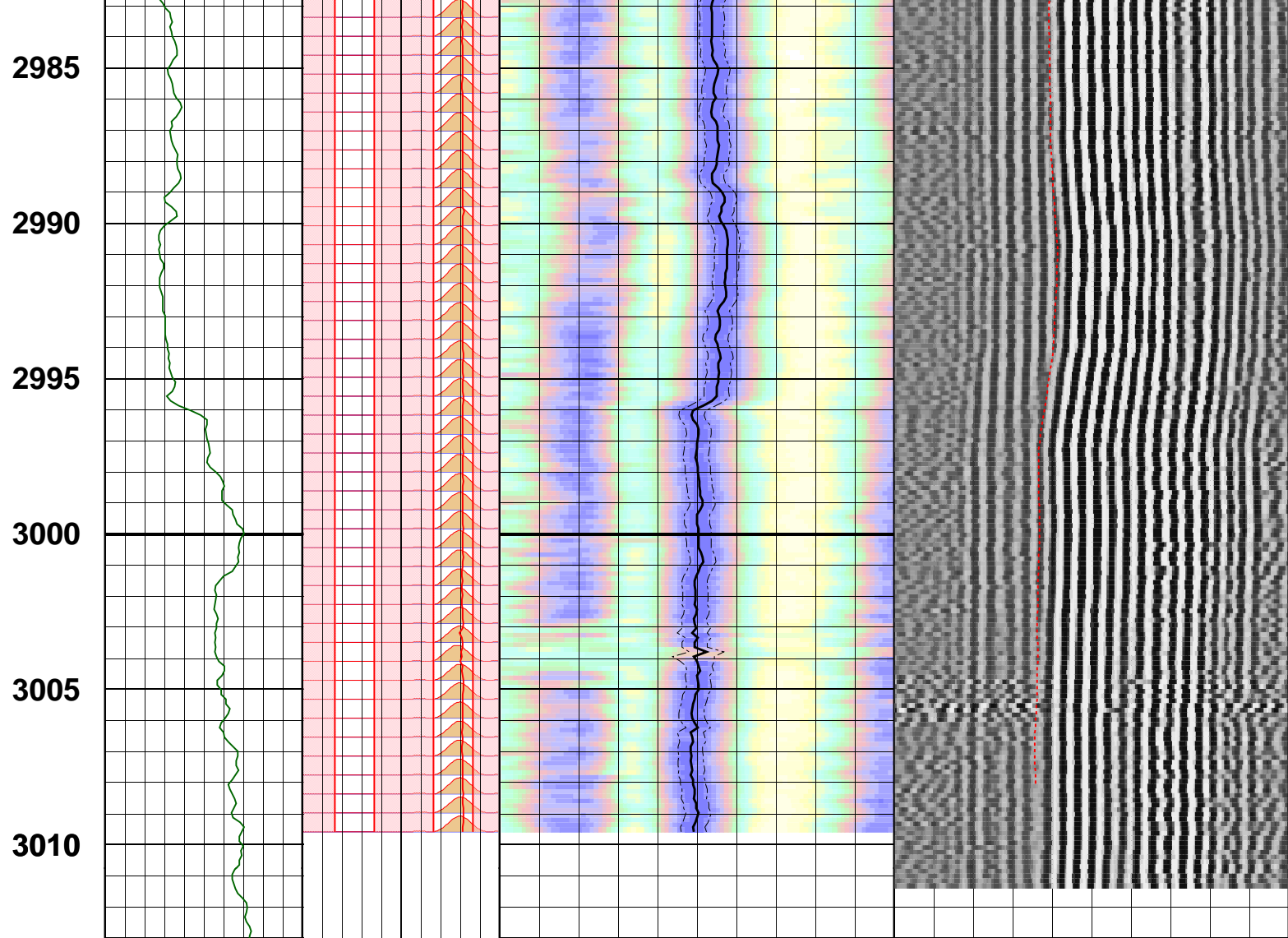


2875  
2880  
2885  
2890  
2895  
2900  
2905  
2910  
2915  
2920  
2925









Customized Process: Start Depth (3012.58 m), Stop Depth (2668.05 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 (no input)  
Zoning Guide (DTBC@Run\_2;1 (47.8536 – 3009.6 m))  
Tracking Guide (DTRP@BestDT–3;2 .CO .MPS\_WIDE .ISONIC .Run\_2 [S178402] .BDT .EDT (3009.58 – 2668.05 m))

---- Zone Top Depth (0), Zone Name (Zone1) ----  
SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix\*), HD(8.5\*)  
TWI(238.281), SLL(132.62\*), SUL(788.743\*), SST(6.98002\*), TLL(400), TUL(3219.66), TST(39.7135)  
SBW(1120), SBO(360\*), SWD(65.6168), TWD(840), SEM(0.45), FLENG(63), 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		
	0 ( gAPI ) 200		-15000 ( Hz ) 15000		130 ( us/m ) 780		
			CfRC		DtRC		
			0 ( Hz ) 30000		130 ( us/m ) 780		
			SpcRS		STPrjR		
			-15000 ( Hz ) 15000		130 ( us/m ) 780		
			SpcRC				
		0 ( Hz ) 30000				TISS	
						400 ( us ) 3378	
						TICS	
						400 ( us ) 3378	
						WF VDL	

Company: ESSO Australia Pty. Ltd.  
Well: HLA A7A  
FIELD: Halibut  
RIG: ISDL 453  
STATE: Victoria

**Schlumberger**

Date Logged: 30-May-2007

Date Processed: 31-May-2007

Well Location: Bass Strait