



# GEOFRAME PROCESSED INTERPRETATION

## Craigow–1 Sonic Scanner

Compressional & Shear Processing QC

\*A Mark of Schlumberger

Using the following logs:

COMPANY:	Tap Oil Limited		
WELL:	Craigow–1		
FIELD:	Craigow		
Rig:	Kan Tan IV		
State:	VIC		
COUNTRY:	Australia		
Date Logged:	31–Dec–2010	Date Processed:	21–Feb–2011

FOLD HERE

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

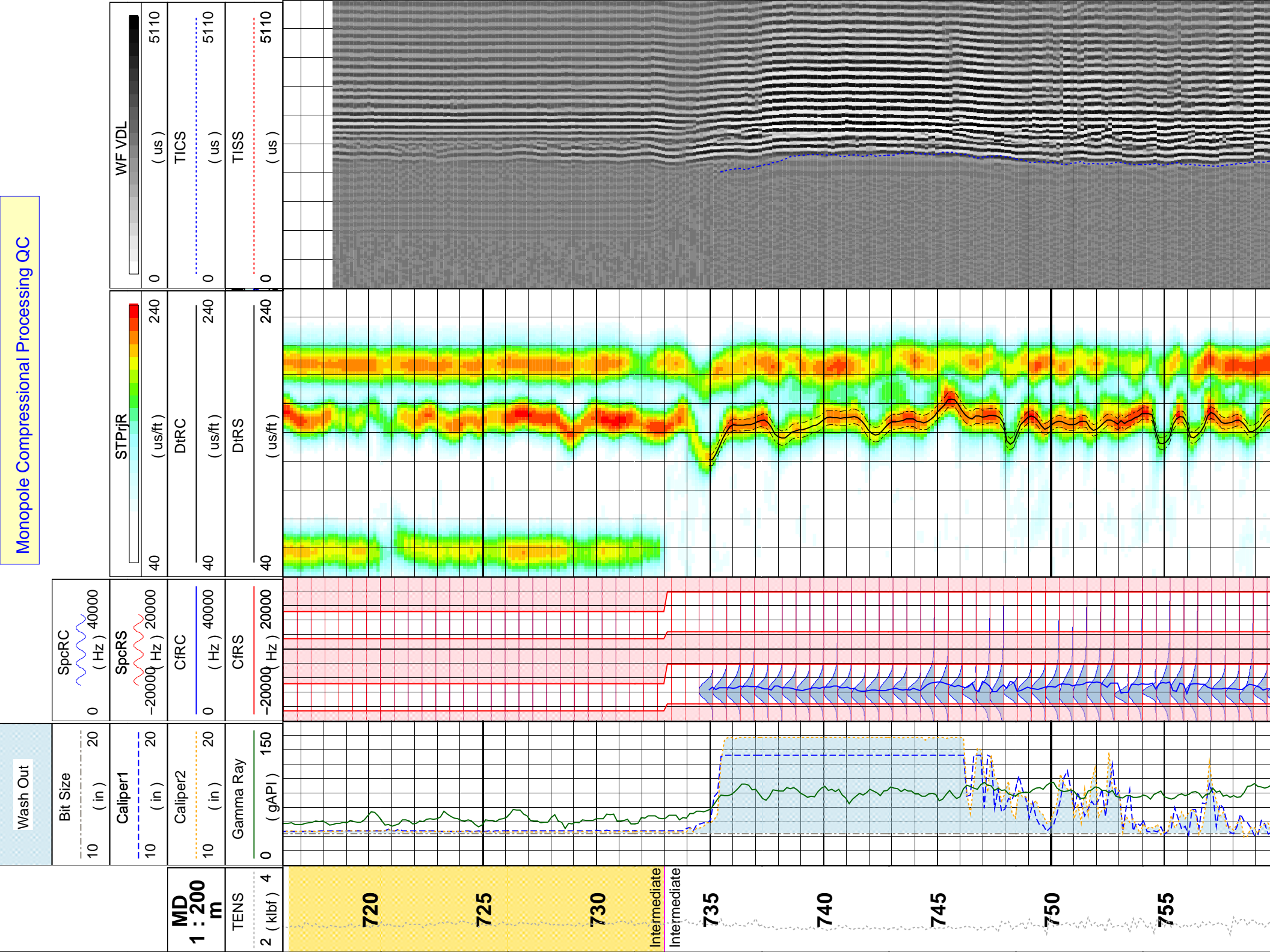
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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:	AUSL	Software Version:	18C0–147	Engineer:	J. Neilson / P. Guzman	
Office Recording:	ICS Center:		Baseline:		Log Analyst:	A. Jones	
Mud and Borehole Measurements:							
Rm @ Measured Temperature:	0.1069ohm.m	@	22.4degC	BHT:	74.5degC	Bitsize:	12.25in
Rmf @ Measured Temperature:	0.1828ohm.m	@	21.7degC	Type Fluid in Hole:		KCL/PHPA/CLAYSEAL	
Rmc @ Measured Temperature:	0.177ohm.m	@	22.1degC	Mud Density:	1.21g/cm3		

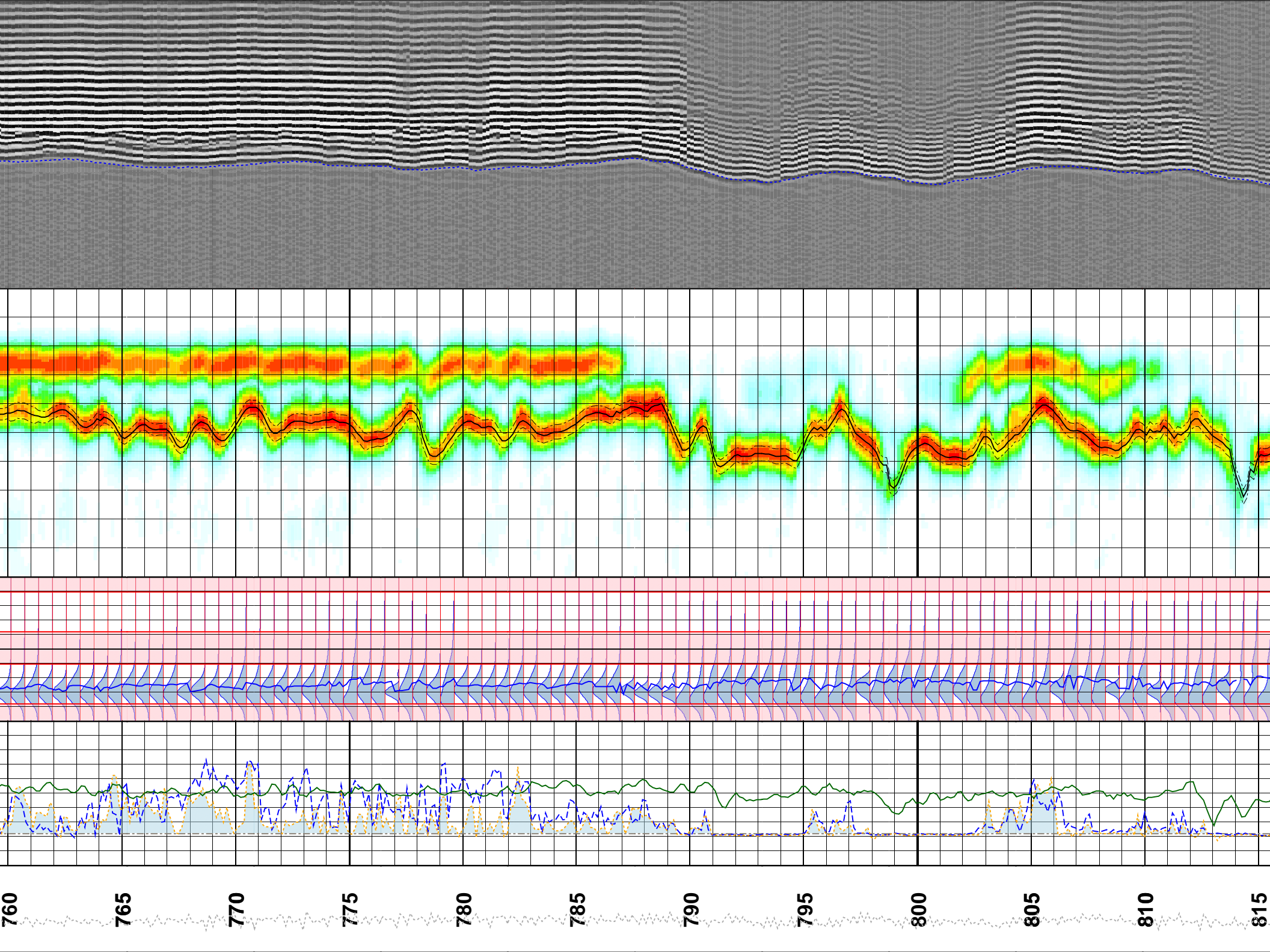
Remarks:

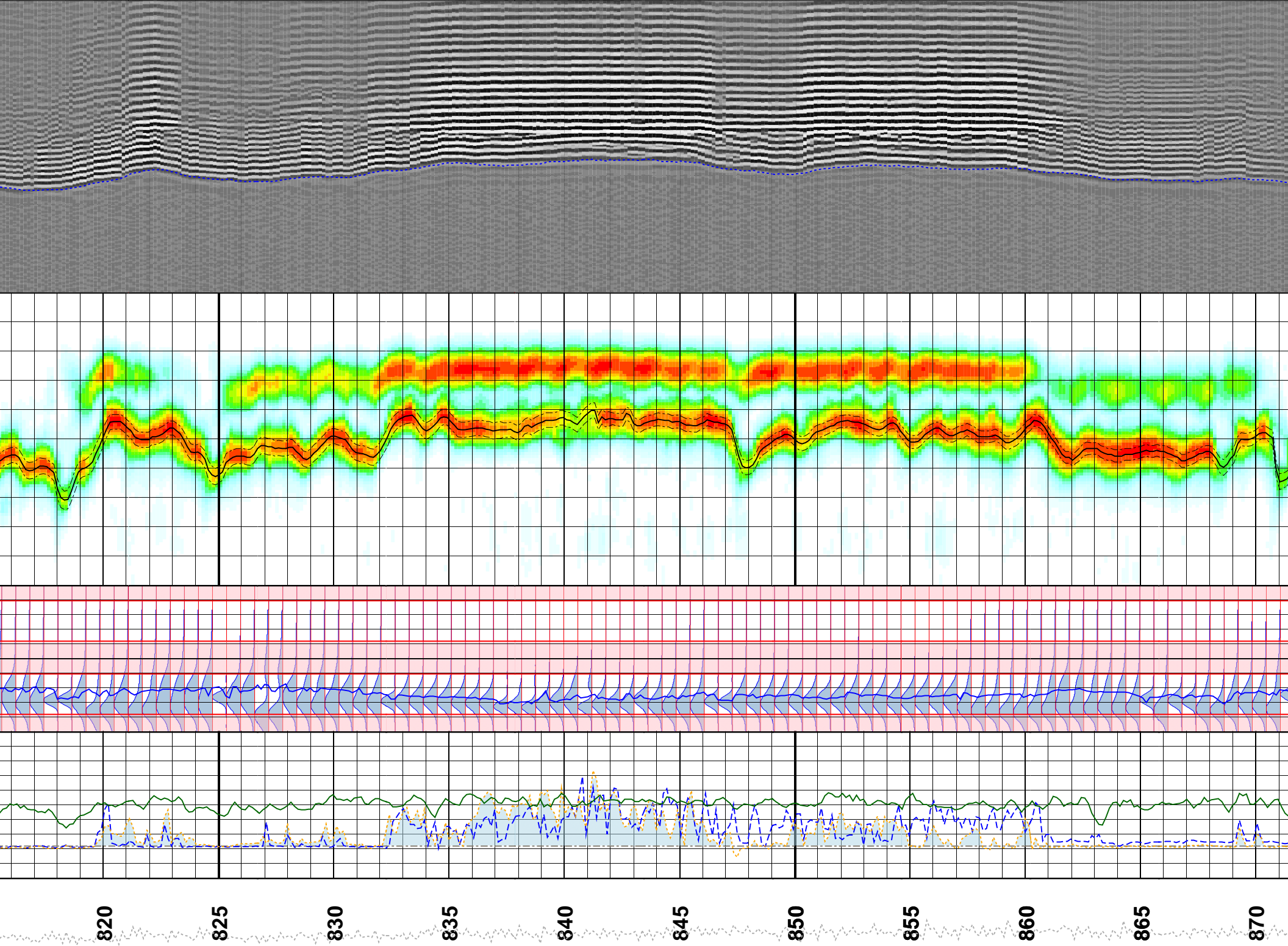
Monopole used for compressional data  
Y–Dipole used for shear data  
See QC log for processing parameters

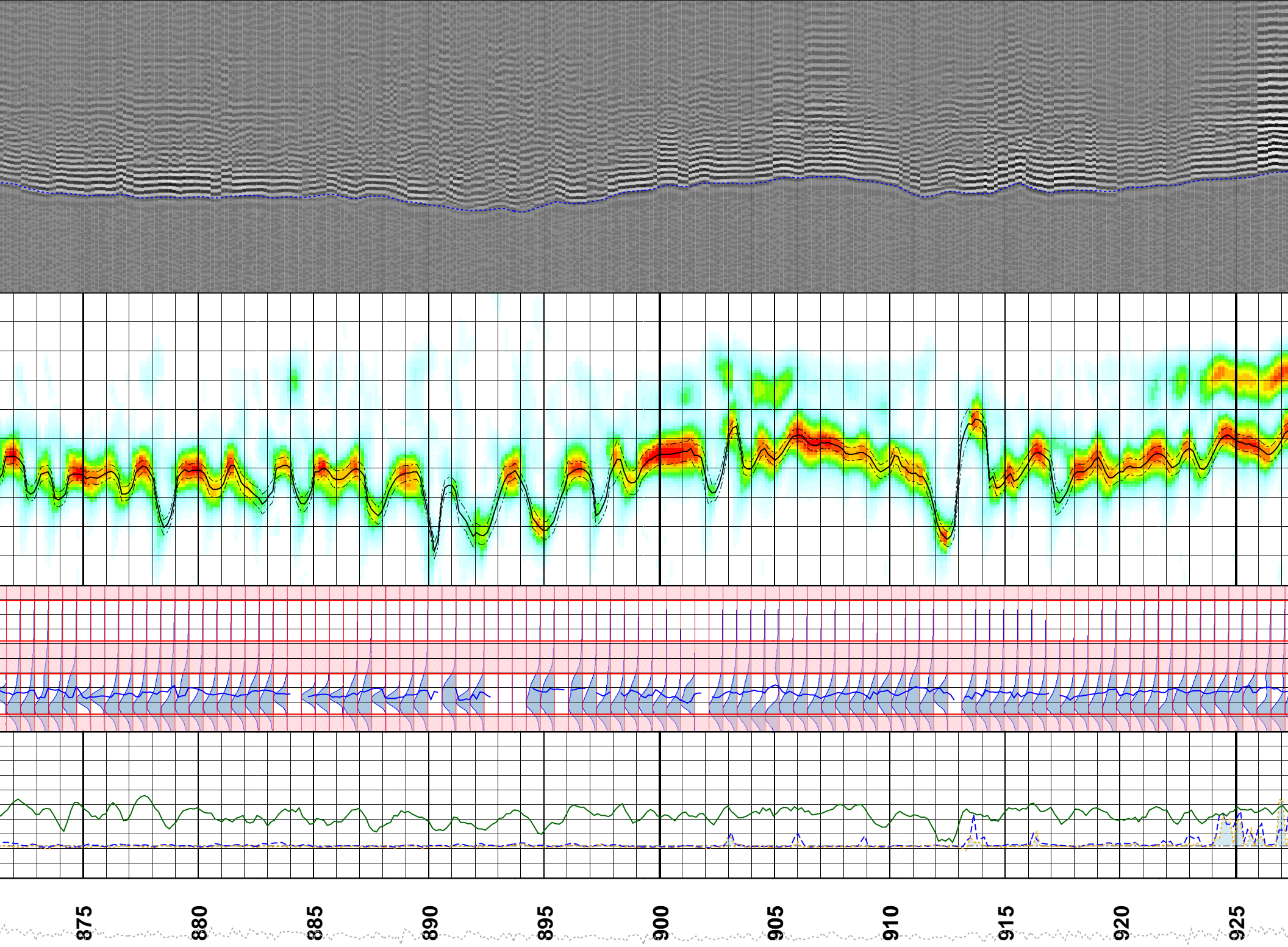
Monopole Compressional Processing QC



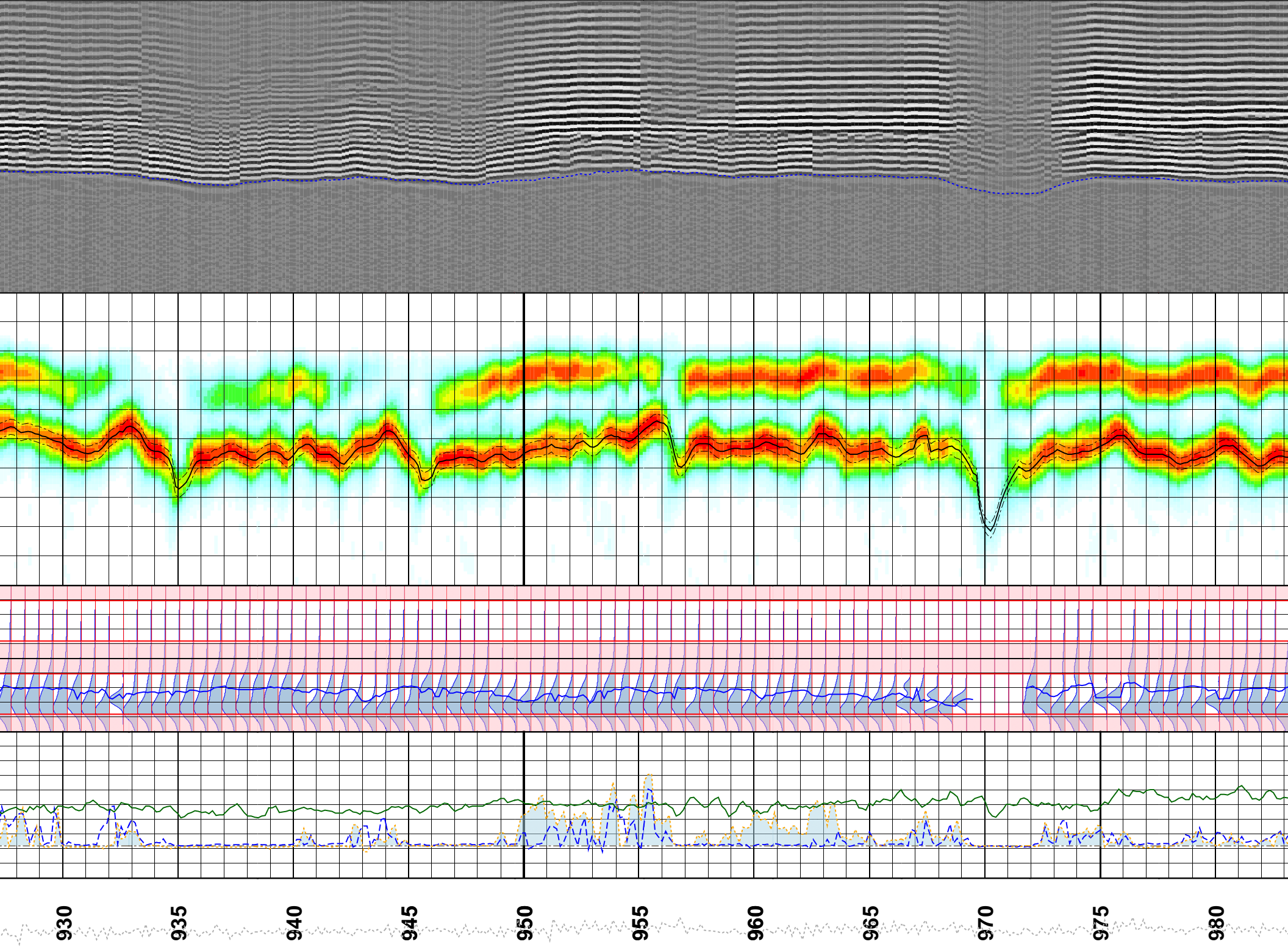


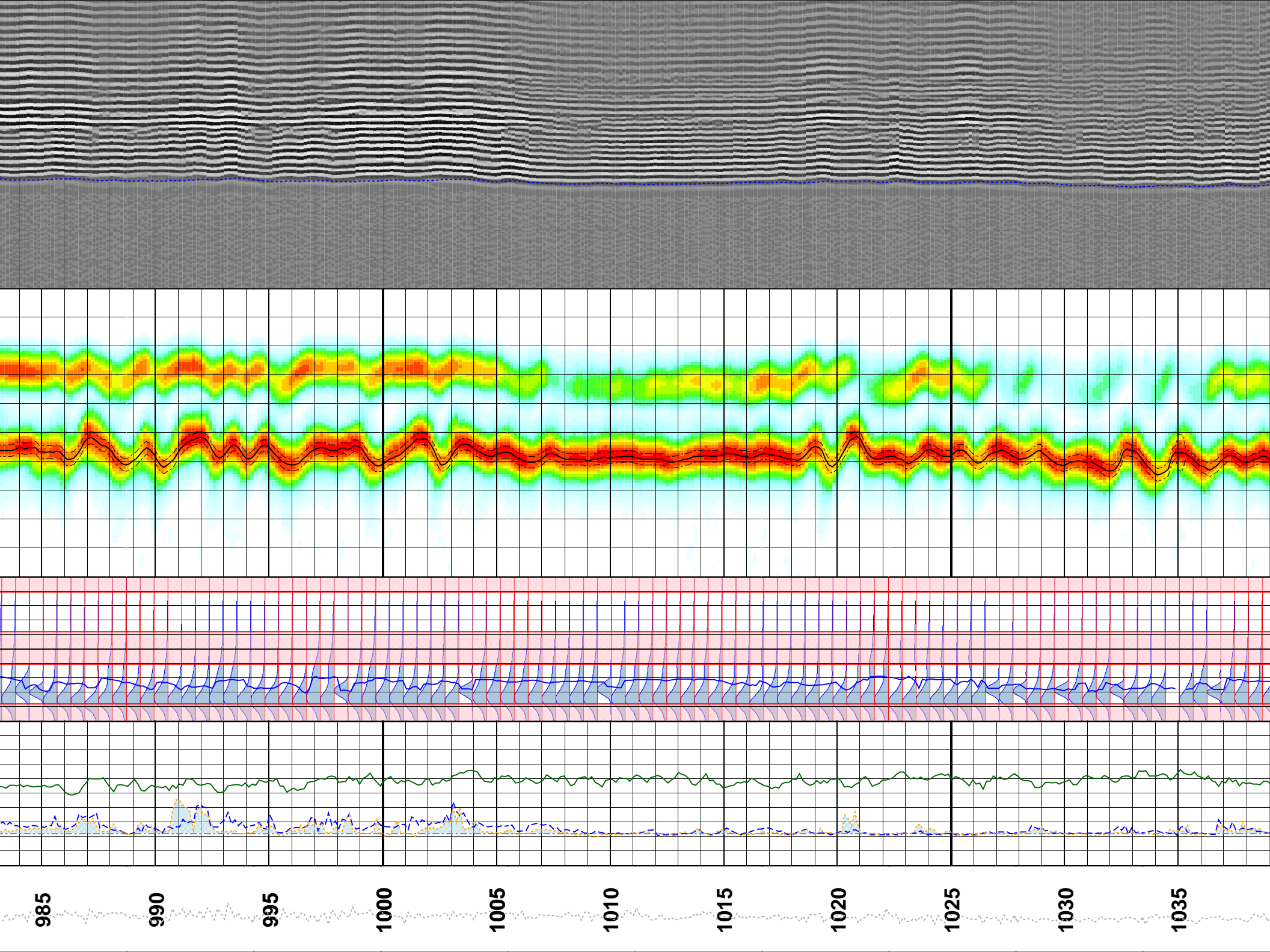




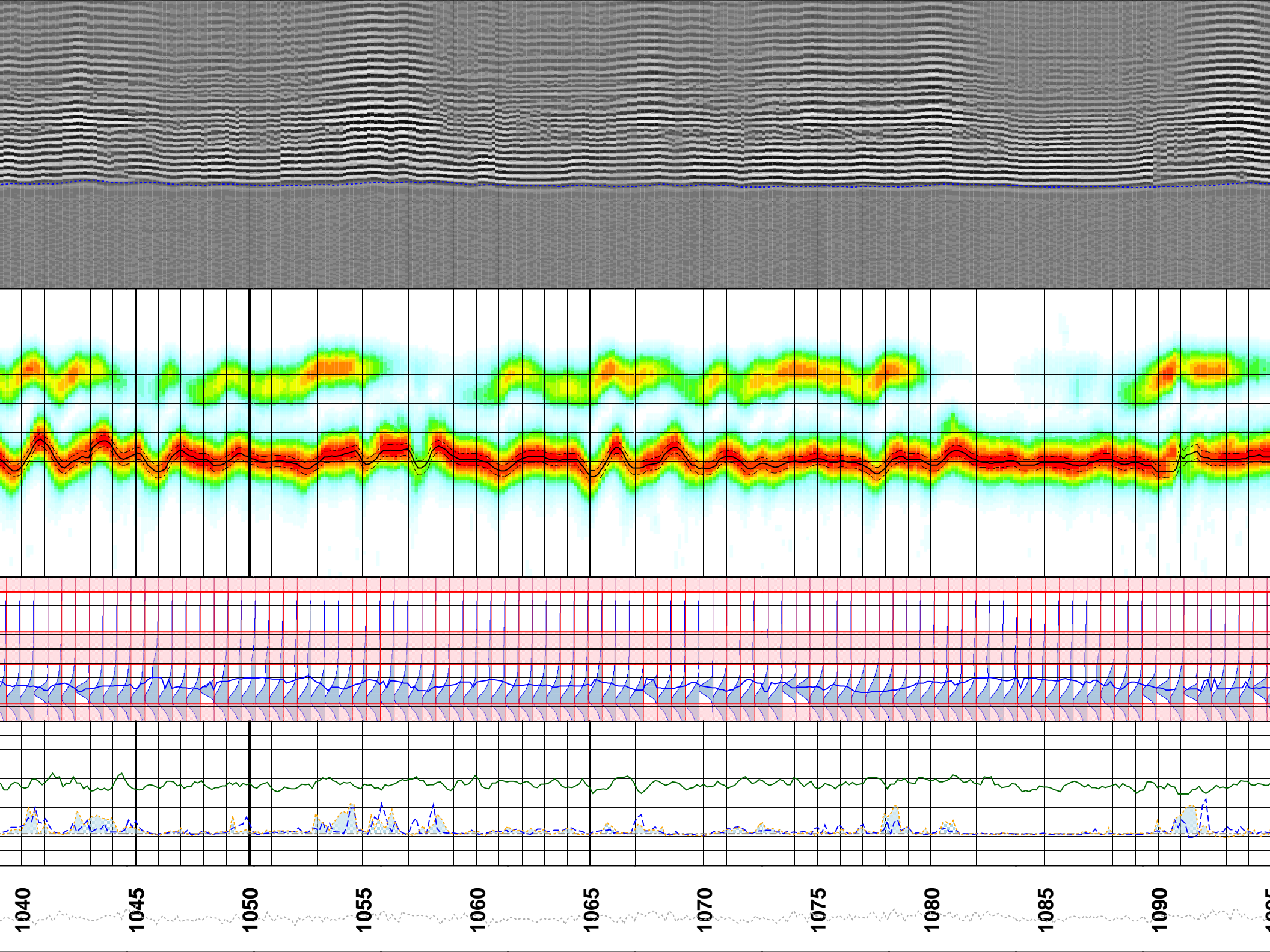


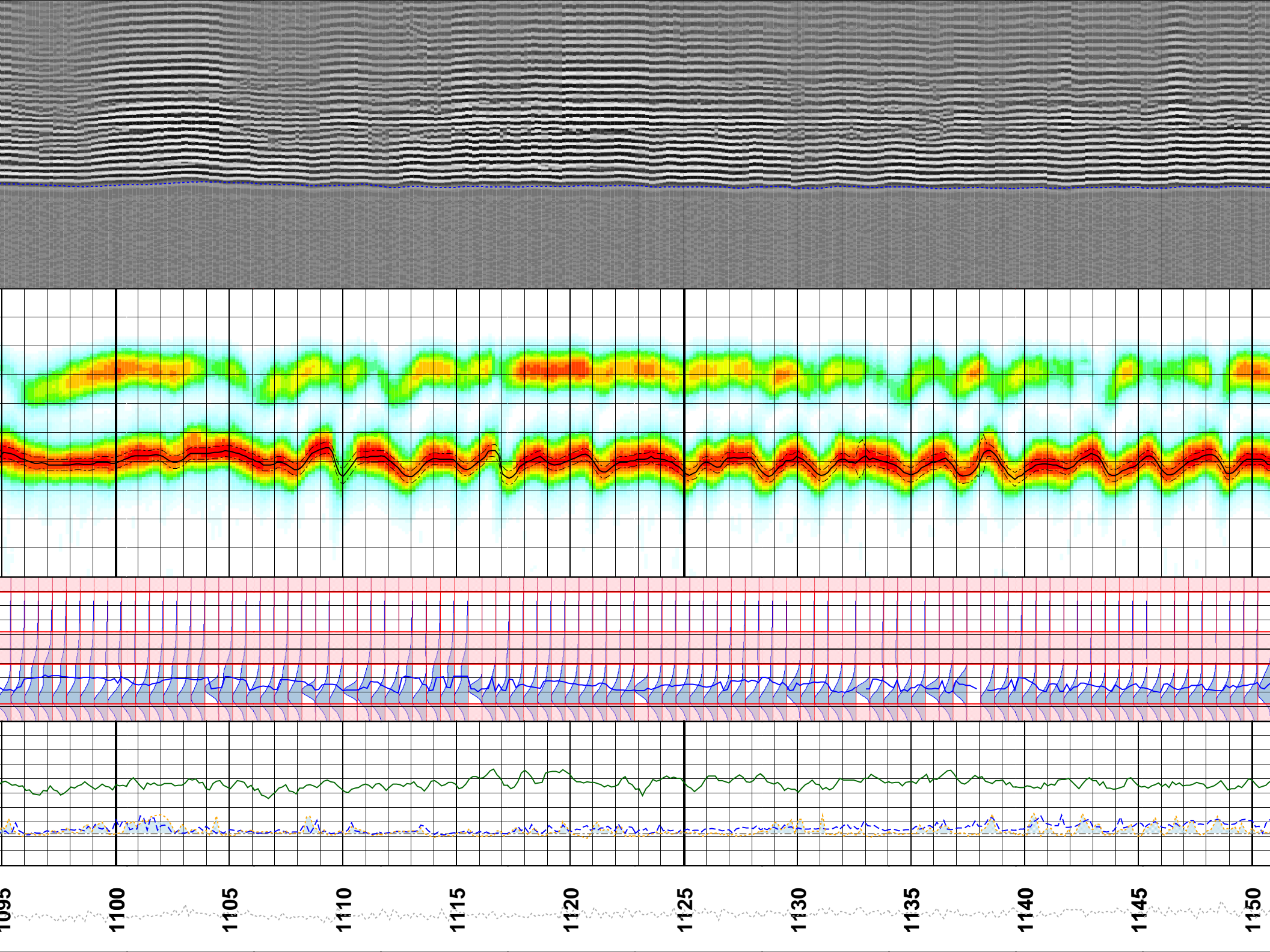


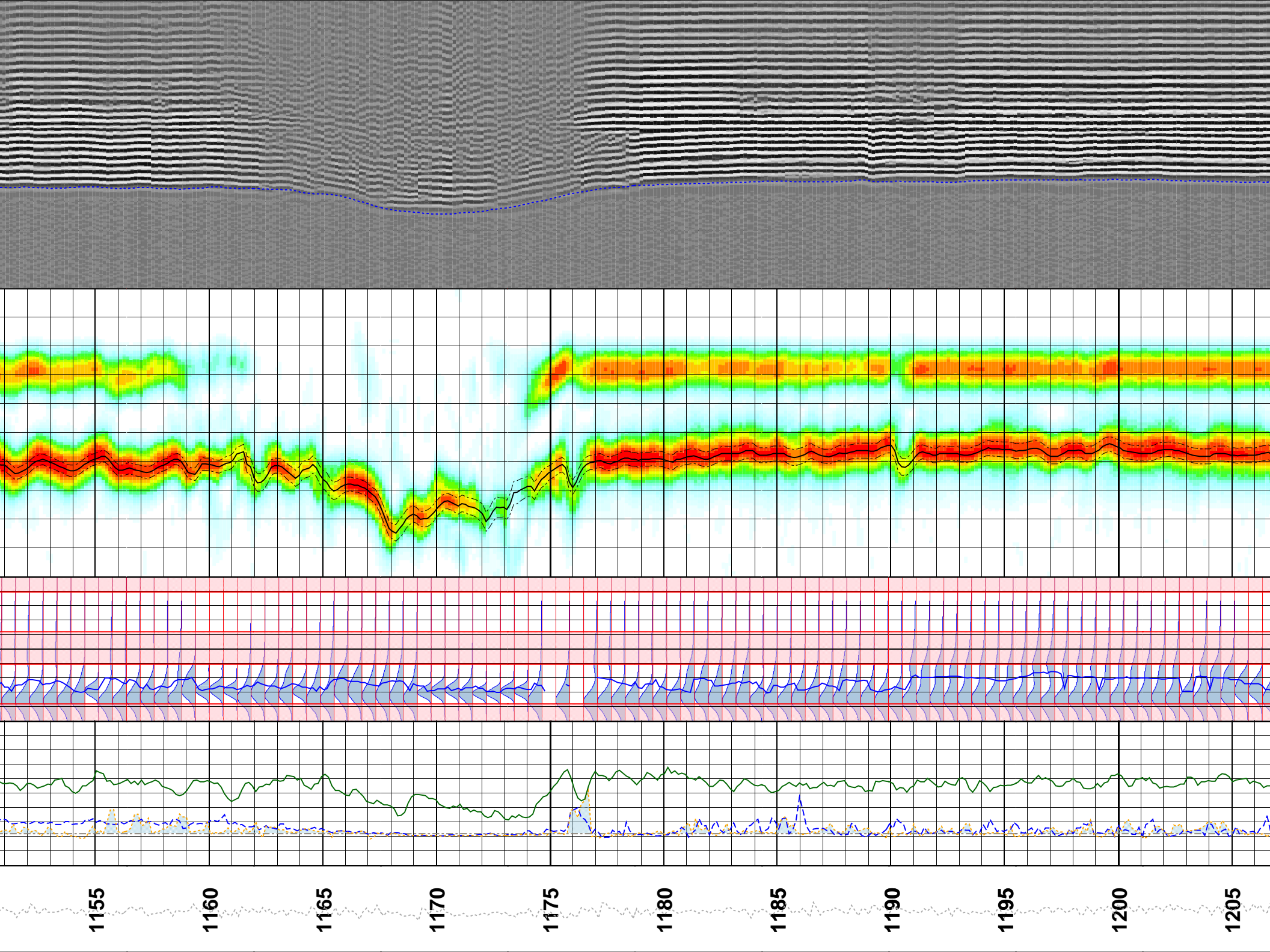




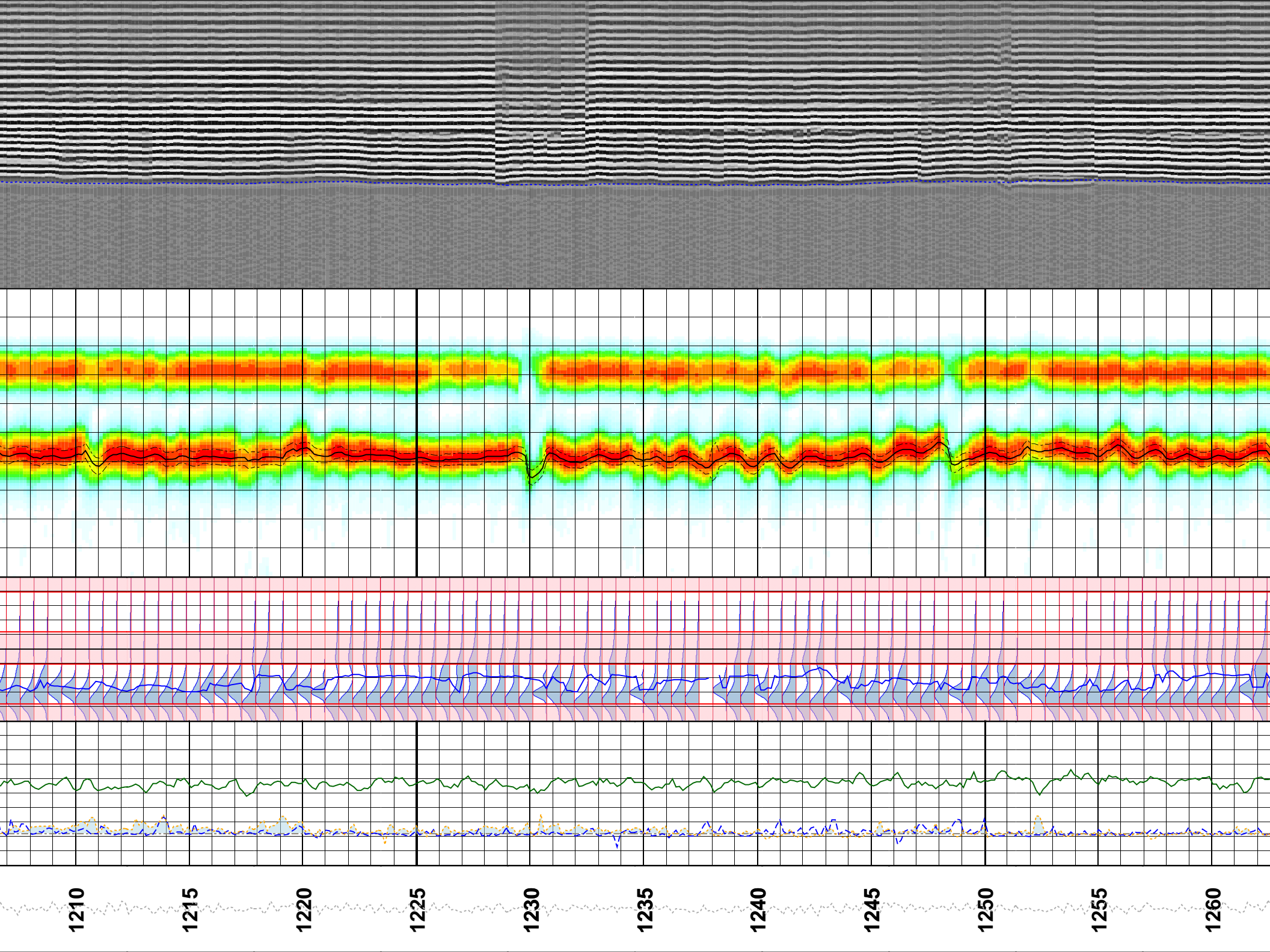


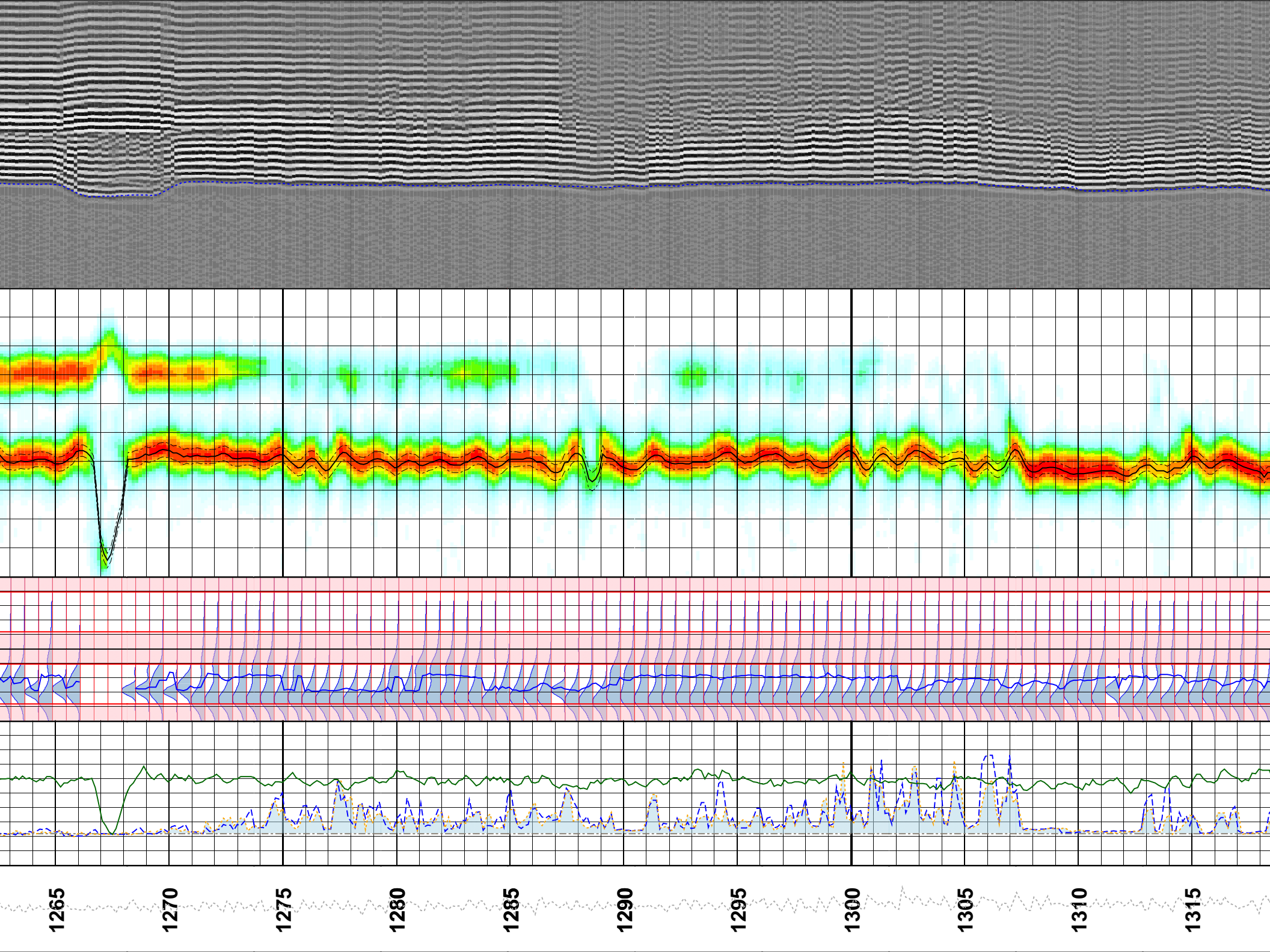




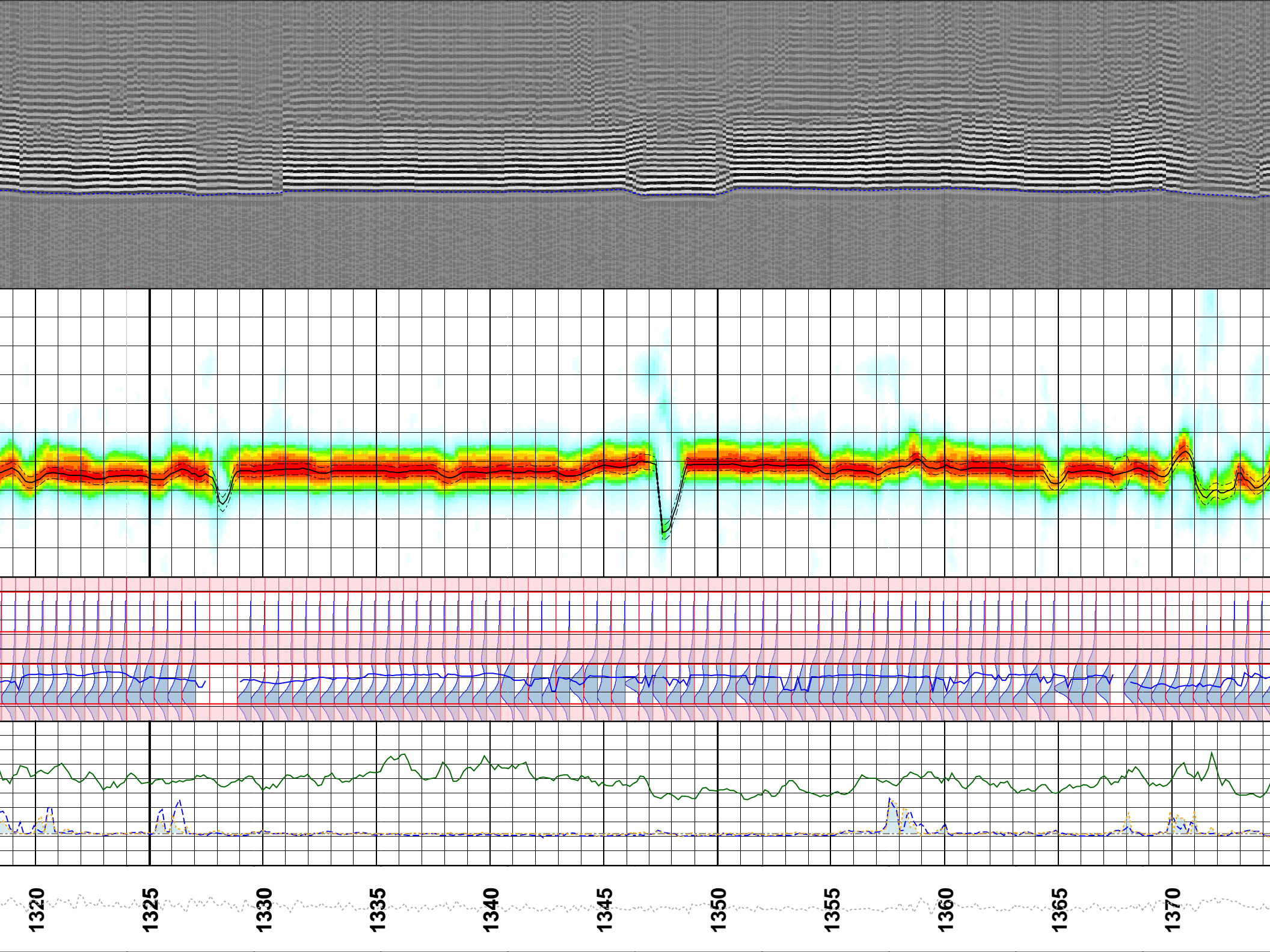


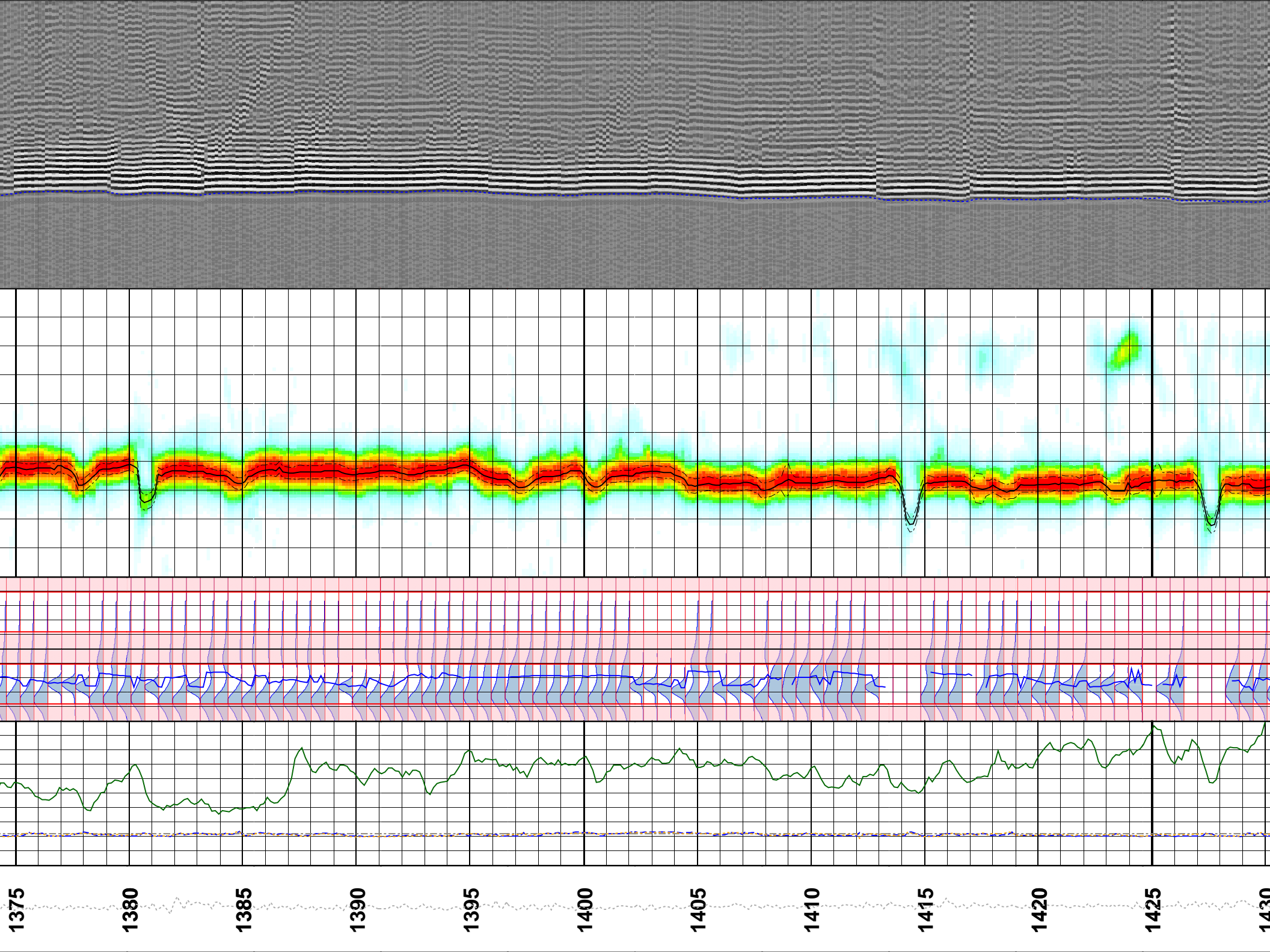


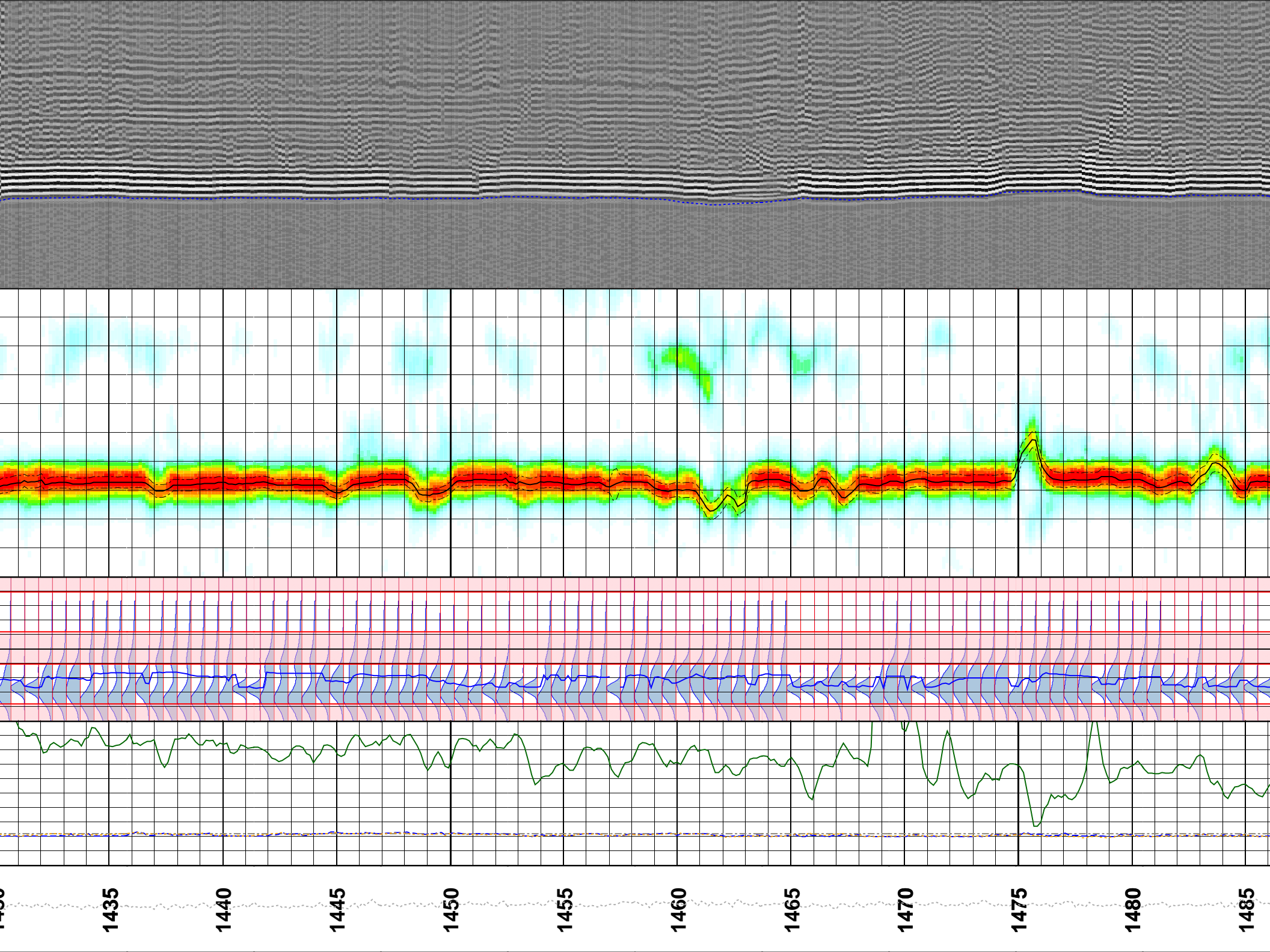




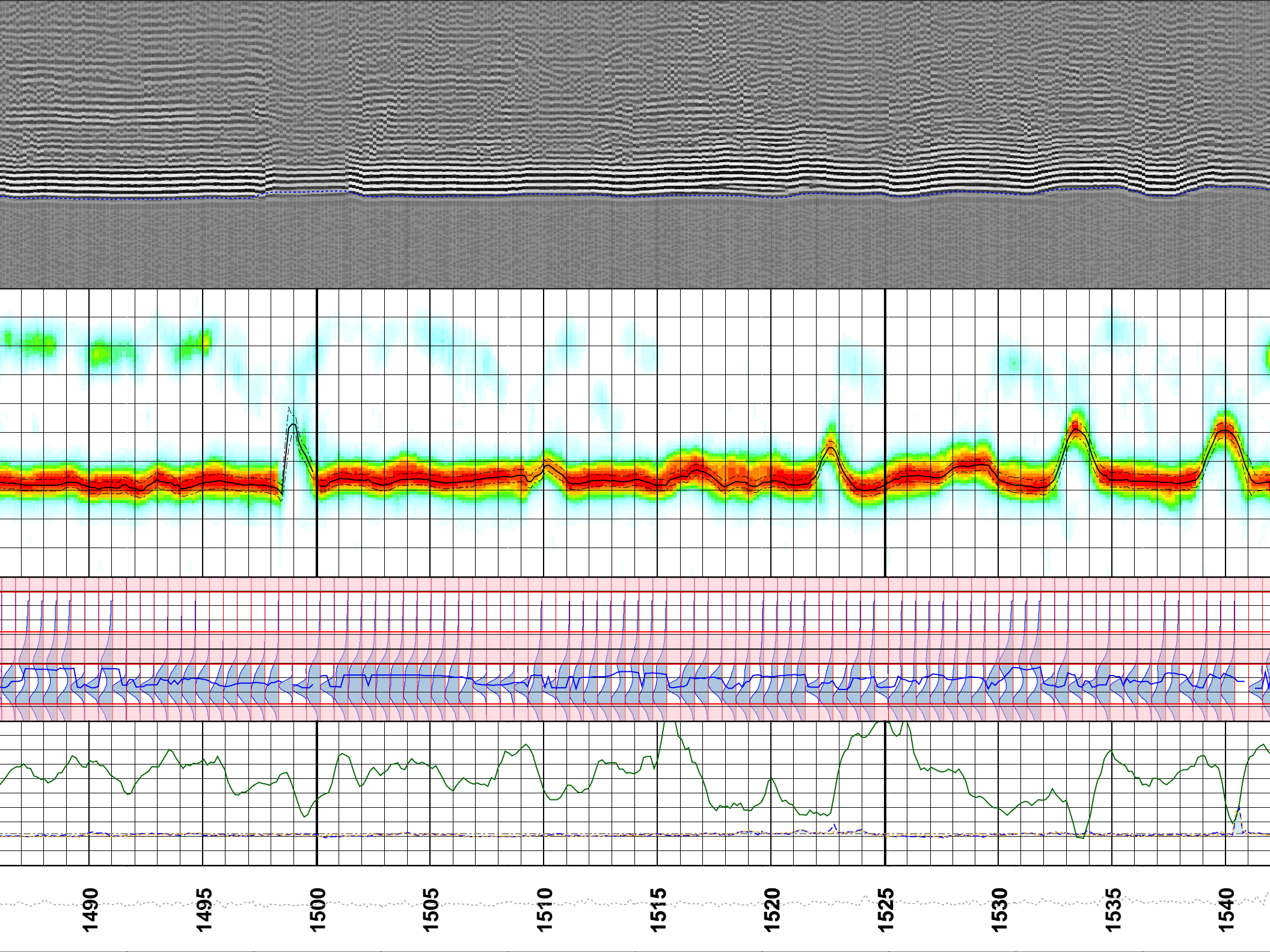


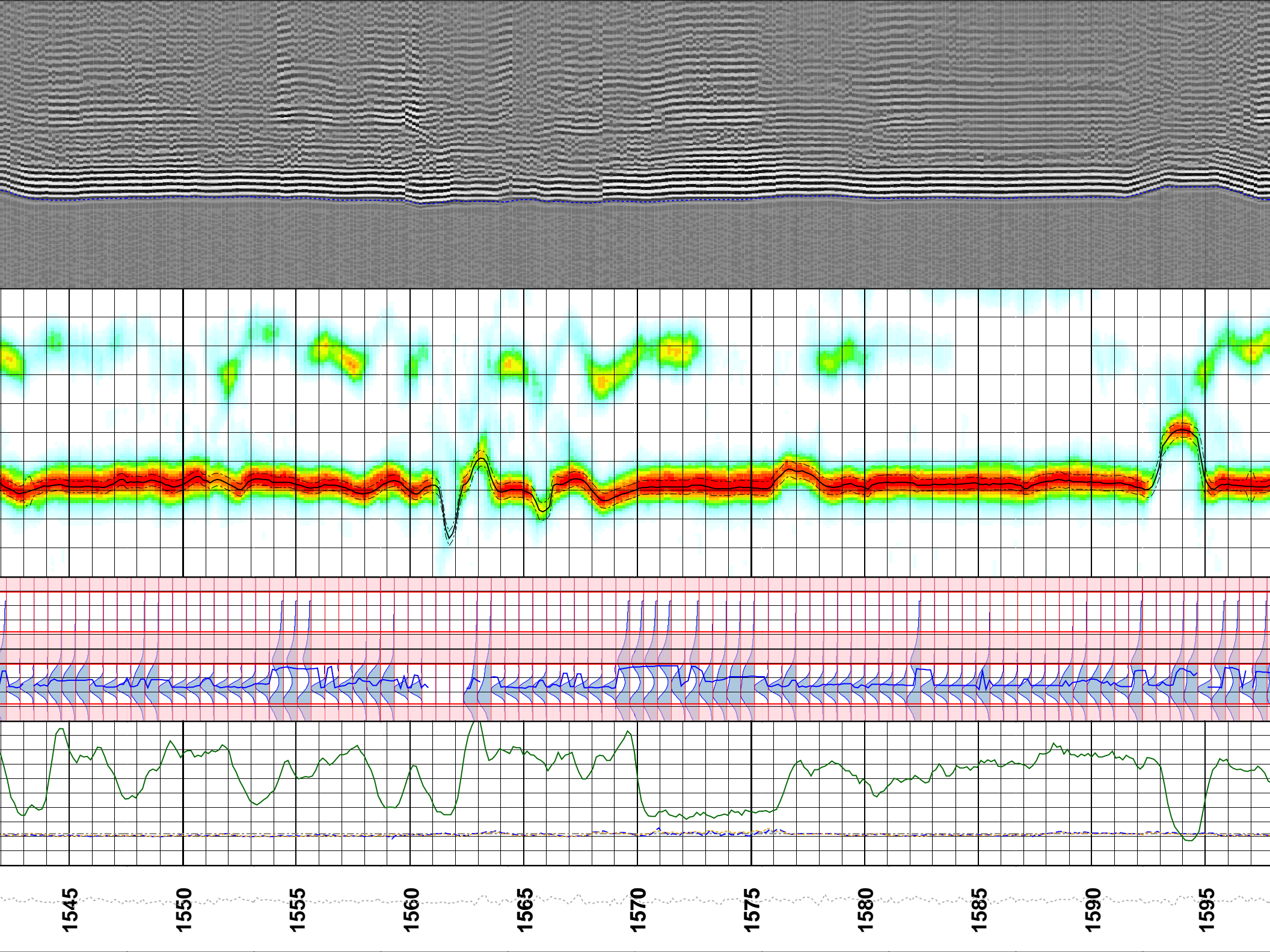




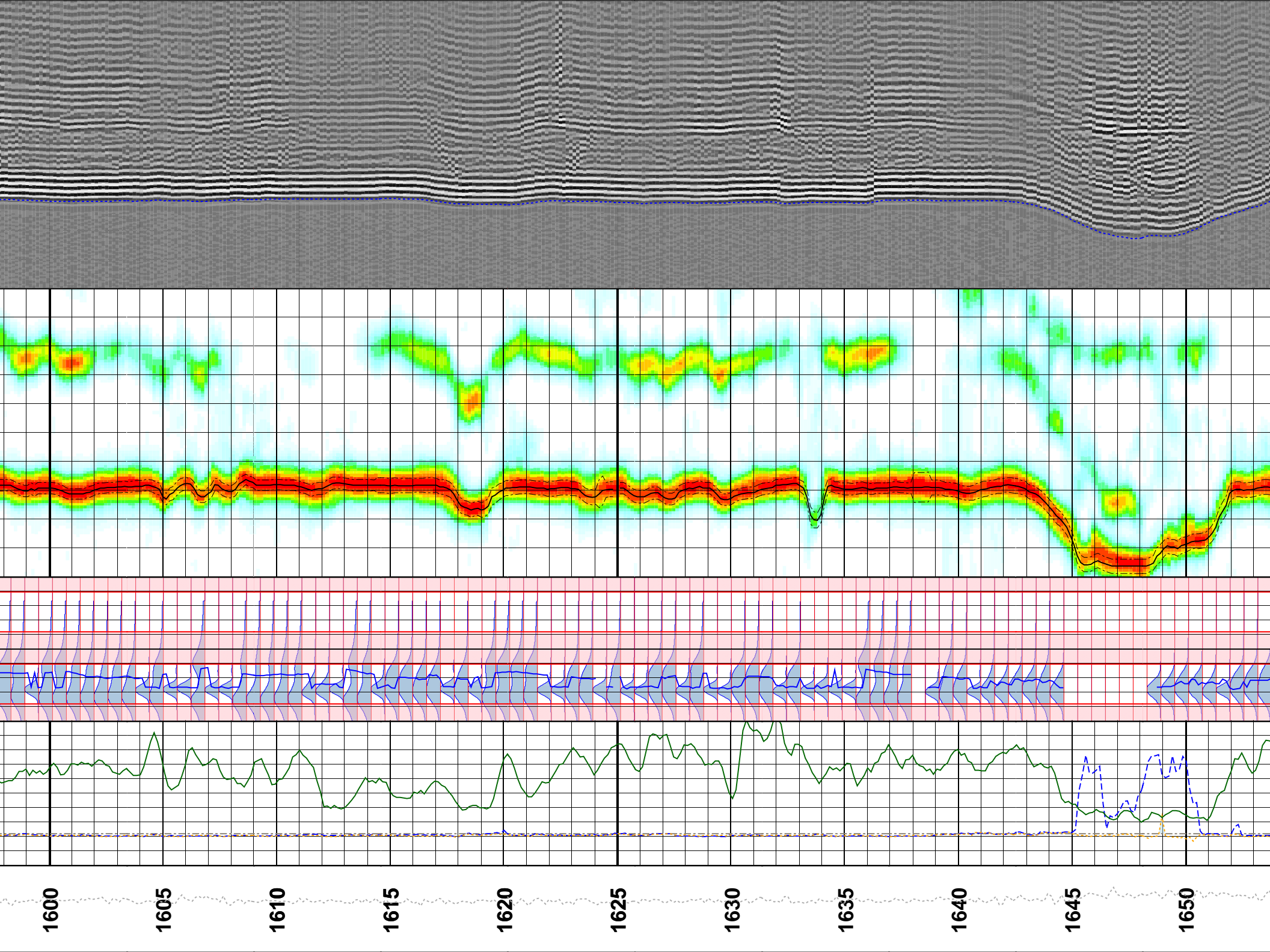


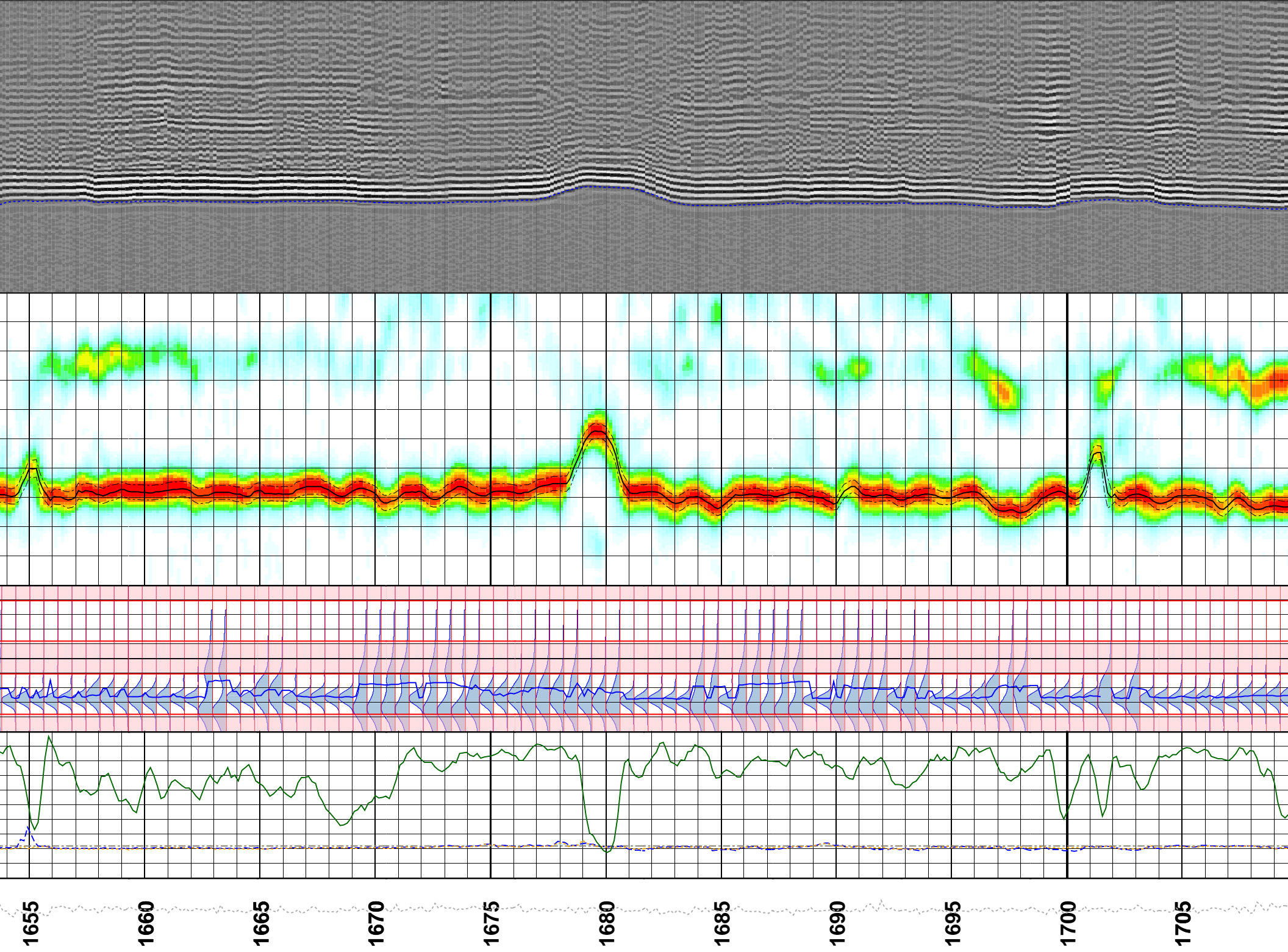


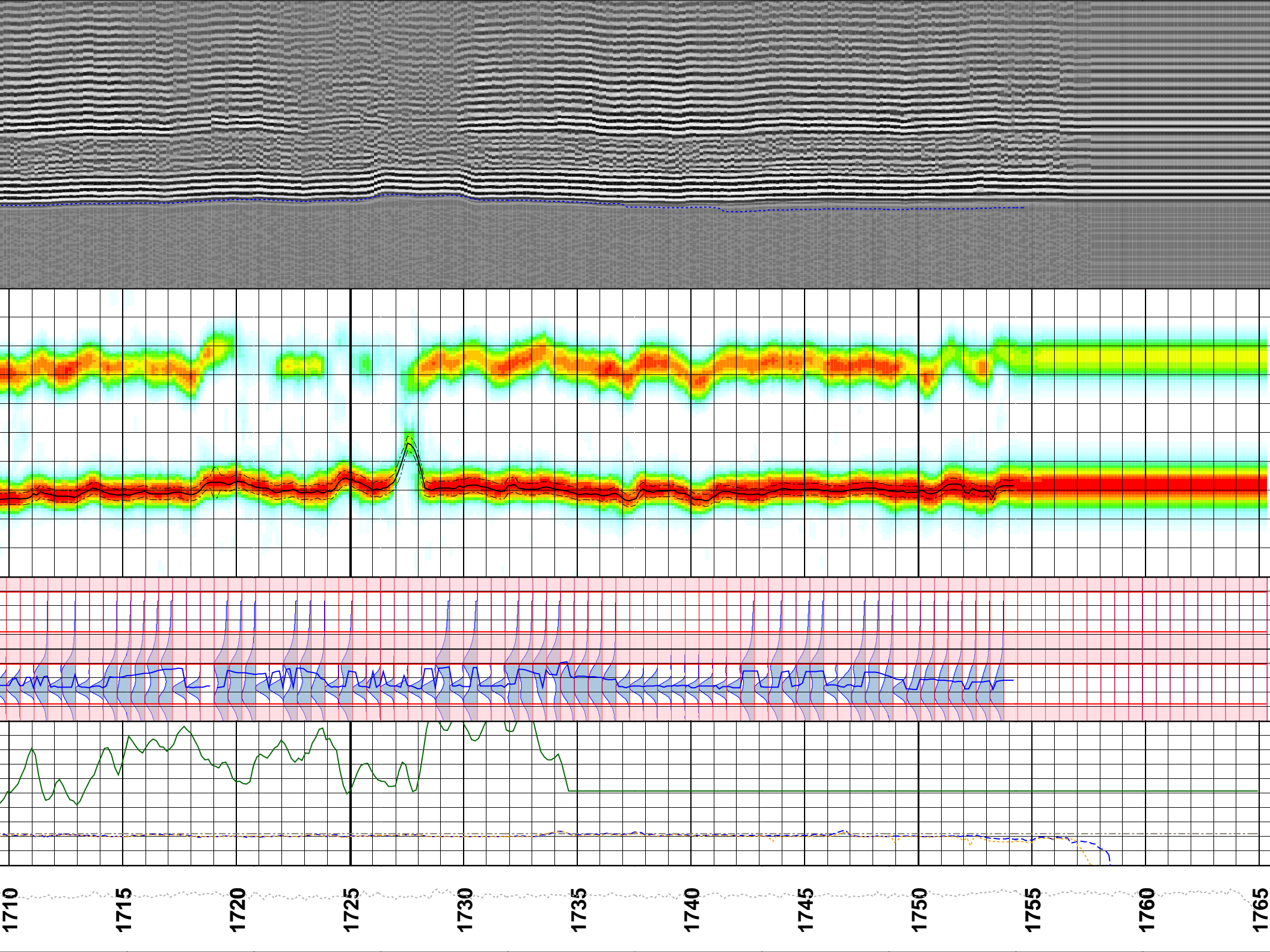












Customized Process: Start Depth (1768.14 m), Stop Depth (716.204 m), Logging Mode (Sonic Scanner – MF)

Noise Cut Filtering(No), Casing Cut Filtering(No)

WF\_FLG(1 1 1 1 1 1 1 1 1), MUD\_TYPE(WBM), DTMUD(200), STCAL(Multishot), NRSA(8)

TRSPAC(3.2766), RRSPAC(0 0.1524 0.3048 0.4572 0.6096 0.762 0.9144 1.0668 1.2192 1.3716 1.524 1.6764 1.8288)

Hole Diameter (HDAR@CAL\_MAXS\_MAPC\_HRLA\_082PUP;2 (1764.94 – 715.823 m))

Zoning Guide (DTCO@CAL\_MAXS\_MAPC\_HRLA\_082PUP;2 (1764.94 – 715.823 m))

Tracking Guide (no input)

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

SFTY(Intermediate), BHS(CASE), CSIZ(7), HDM(HDAR), HD(12.25)

TWI(480), SLL(40), SUL(240), SST(2), TLL(630), TUL(5145), TST(105)

SBW(3320), SBO(560), SWD(20), TWD(2490), SEM(0.35), FLENG(69), FLOW(3000), FHIGH(10486)

TKO\_MODEL\_ORDER(3), TKO\_TOL(50) TKO\_FLOW(0), TKO\_FHIGH(12000)

--- Zone Top Depth (733), Zone Name (Zone1\_1) ---

SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(HDAR), HD(12.25)

TWI(300), SLL(40), SUL(240), SST(2), TLL(630), TUL(5145), TST(105)

SBW(2940), SBO(370), SWD(20), TWD(2204), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)

TKO\_MODEL\_ORDER(3), TKO\_TOL(50) TKO\_FLOW(0), TKO\_FHIGH(12000)

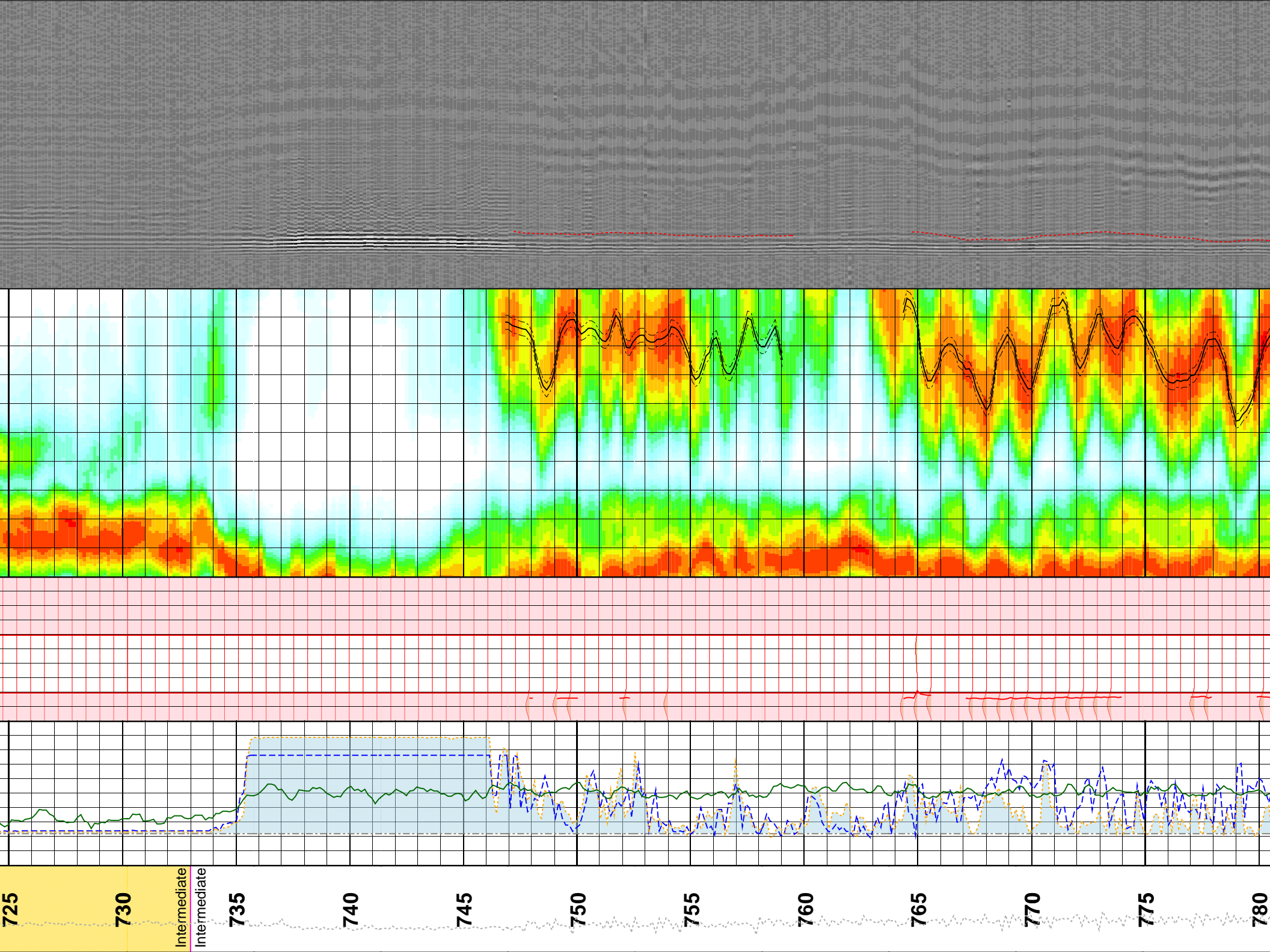
TENS	Gamma Ray	CIRS	DtRS	TISS
2 (klbf) 4	0 ( gAPI ) 150	-20000 ( Hz ) 20000	40 ( us/ft ) 240	0 ( us ) 5110
MD 1 : 200 m	Caliper2	CIRC	DtRC	TICS
	10 ( in ) 20	0 ( Hz ) 40000	40 ( us/ft ) 240	0 ( us ) 5110
	Caliper1	SpcRS	STPrJR	WF VDL
	10 ( in ) 20	-20000 ( Hz ) 20000	40 ( us/ft ) 240	0 ( us ) 5110
	Bit Size	SpcRC		
	10 ( in ) 20	0 ( Hz ) 40000		
	Wash Out			

Y-Dipole Shear Processing QC

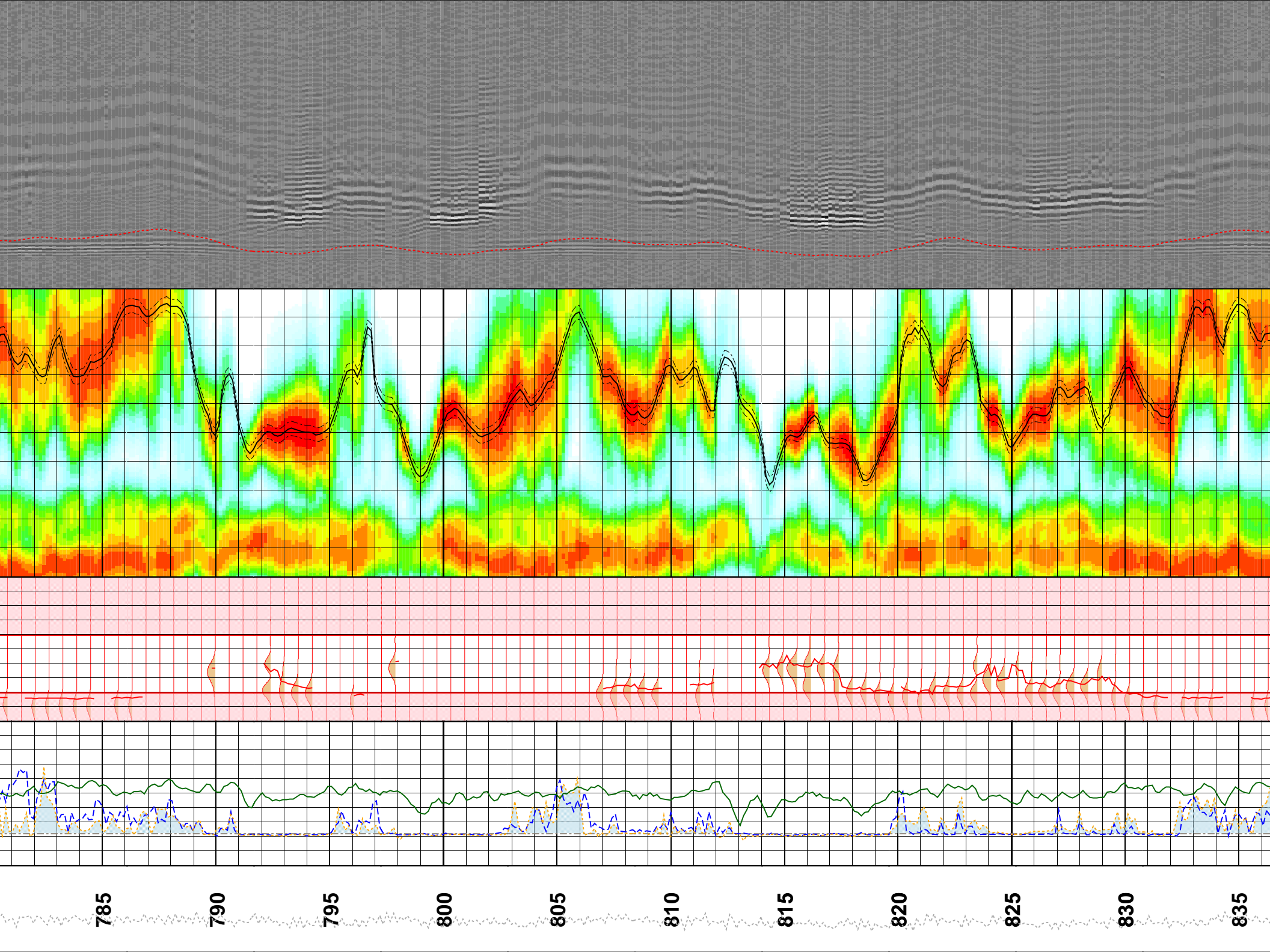
	Wash Out			
MD 1 : 200 m	Bit Size			
	10 ( in ) 20			
	Caliper1			
	10 ( in ) 20			
	Caliper2	SpcRS	STPrJR	WF VDL
	10 ( in ) 20	0 ( Hz ) 5000	40 ( us/ft ) 540	0 ( us ) 30480
TENS	Gamma Ray	CIRS	DtRS	TISS
2 (klbf) 4	0 ( gAPI ) 150	0 ( Hz ) 5000	40 ( us/ft ) 540	0 ( us ) 30480

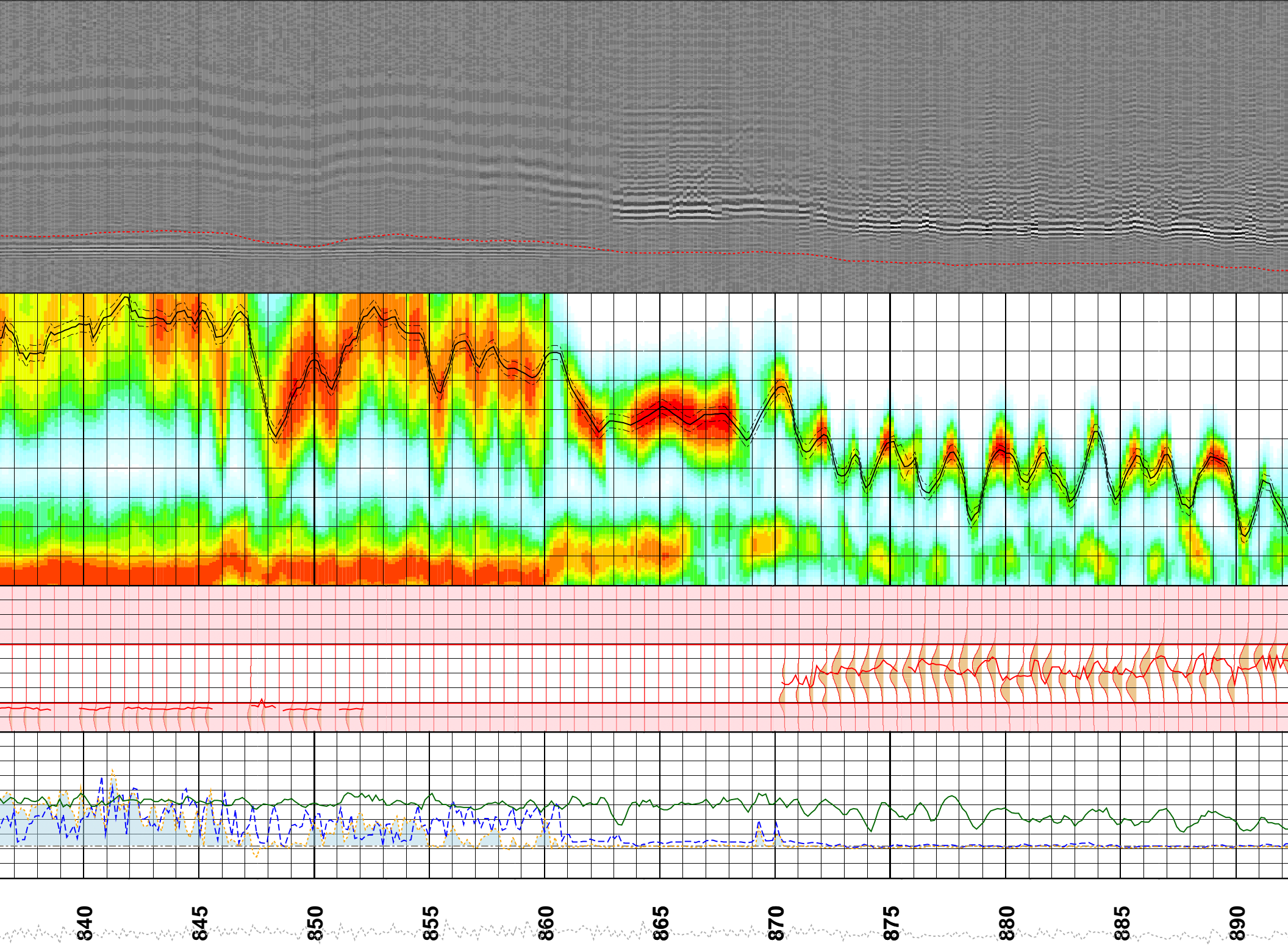
720

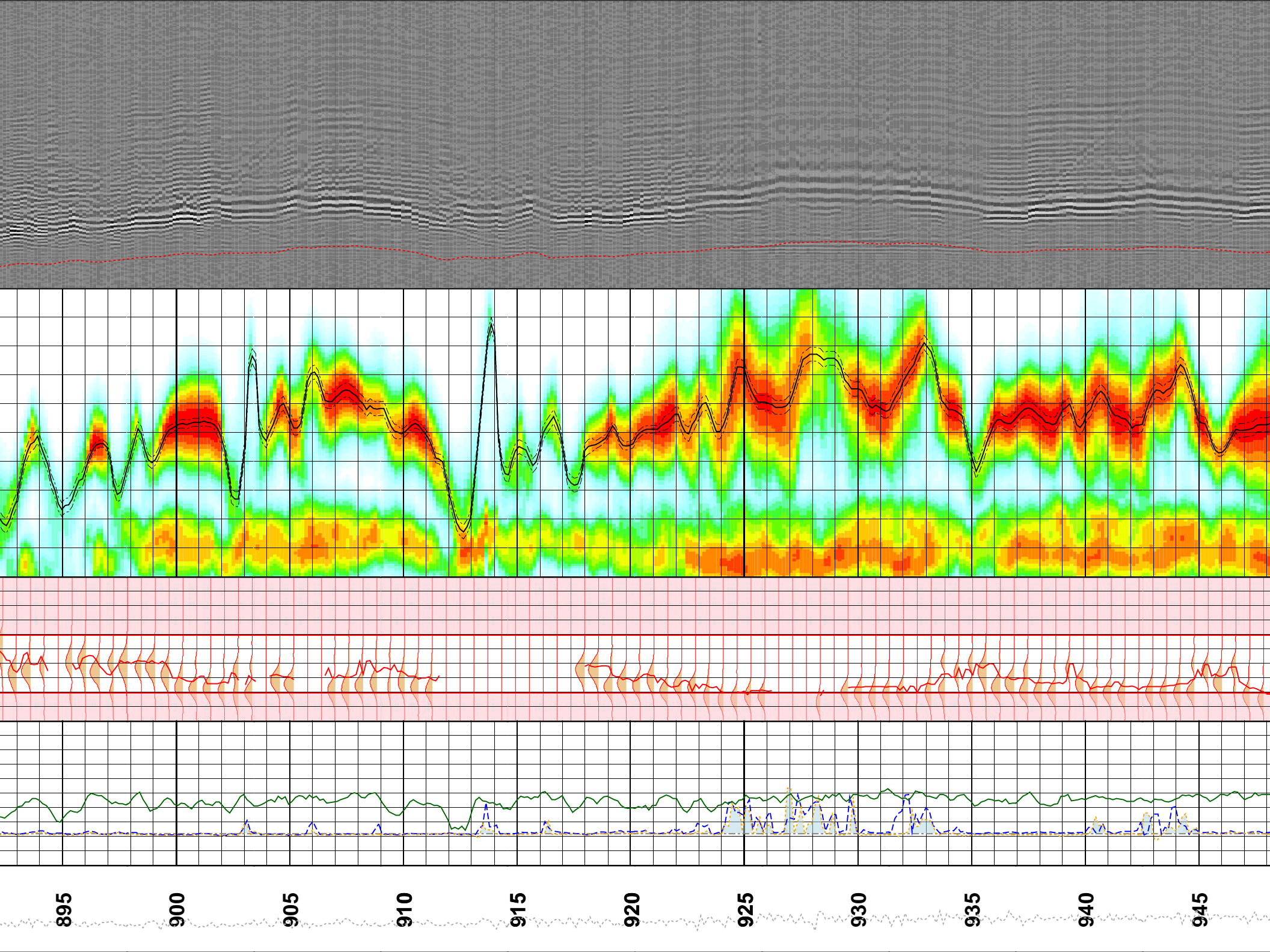




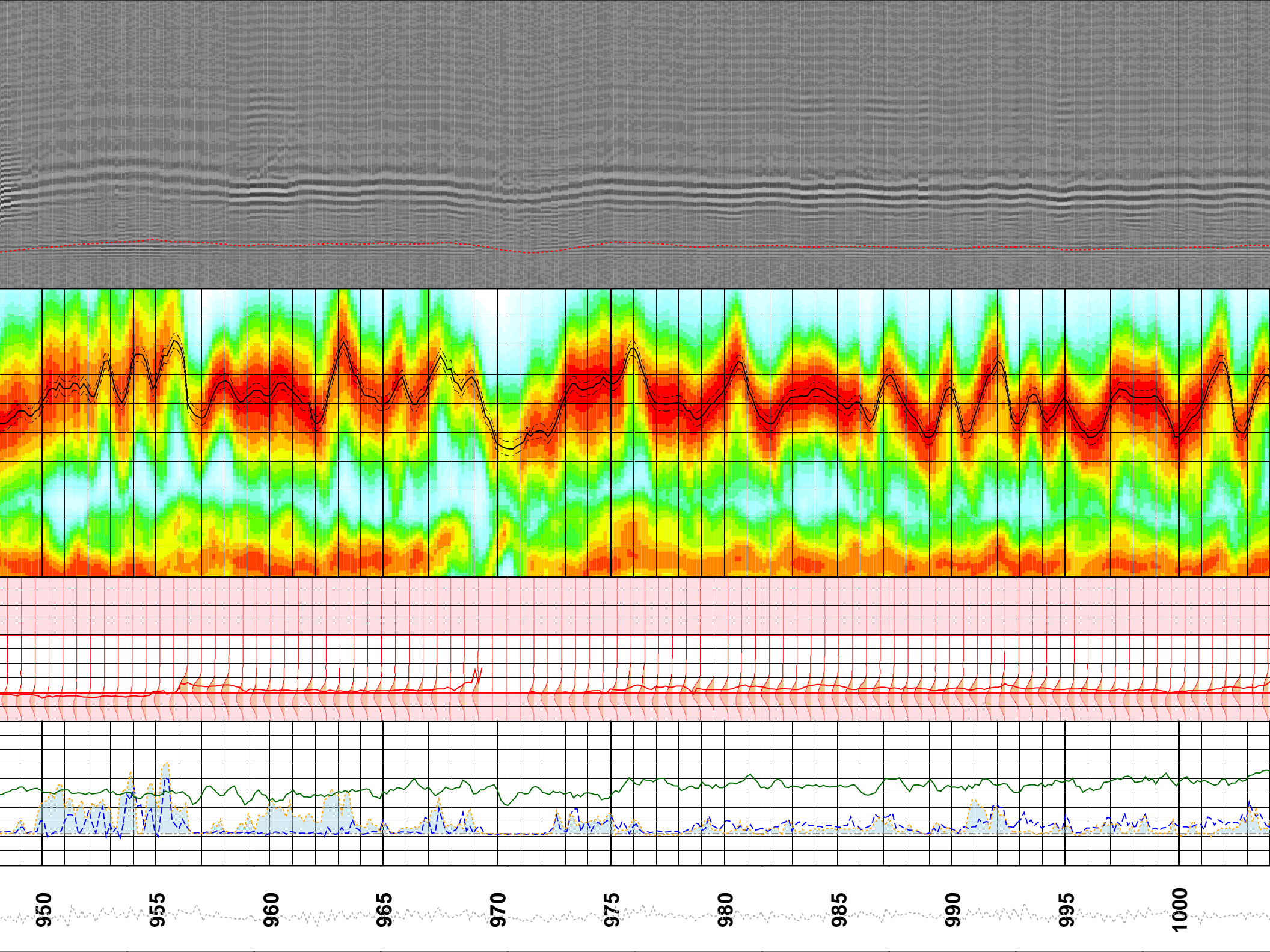


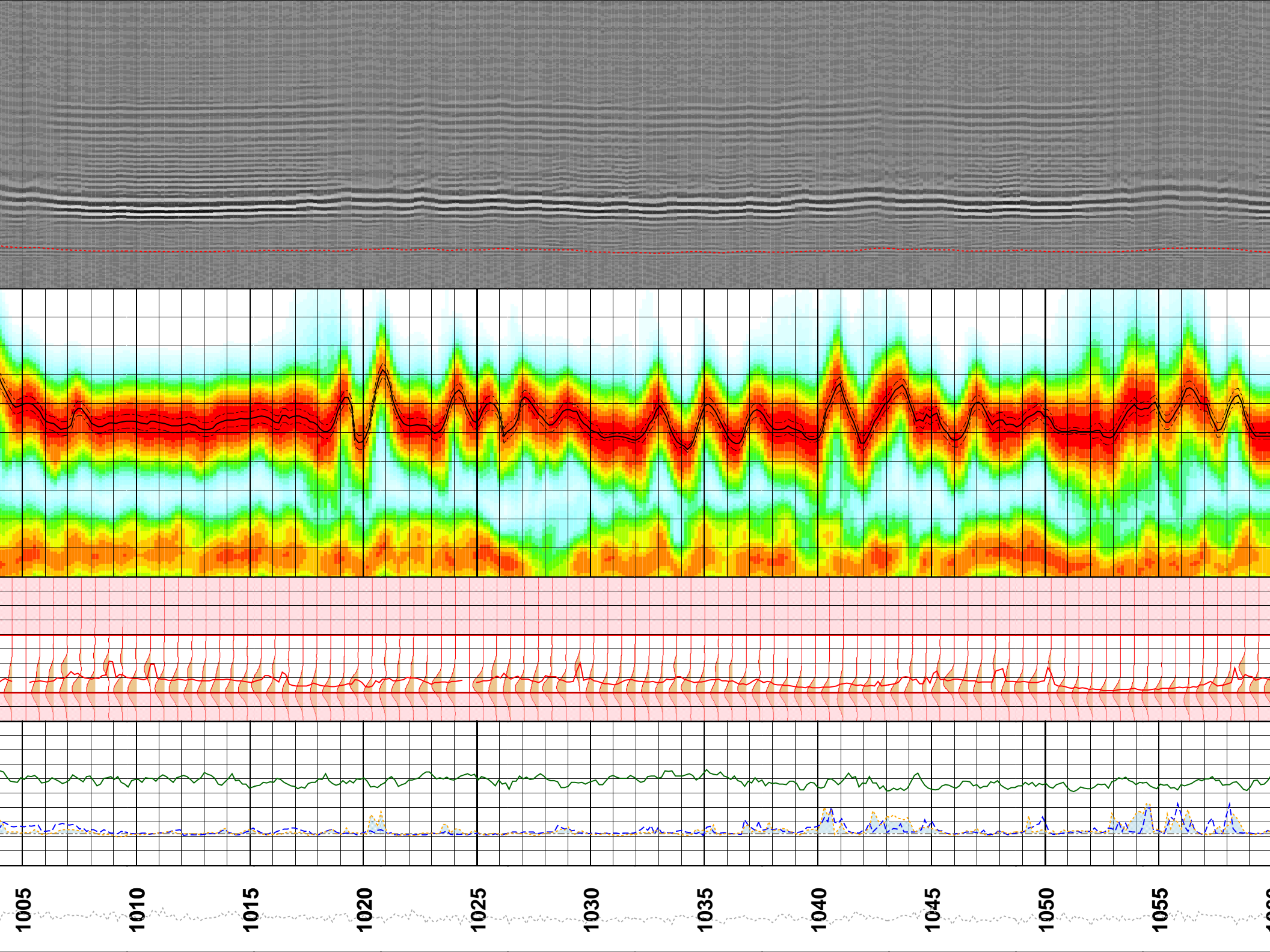


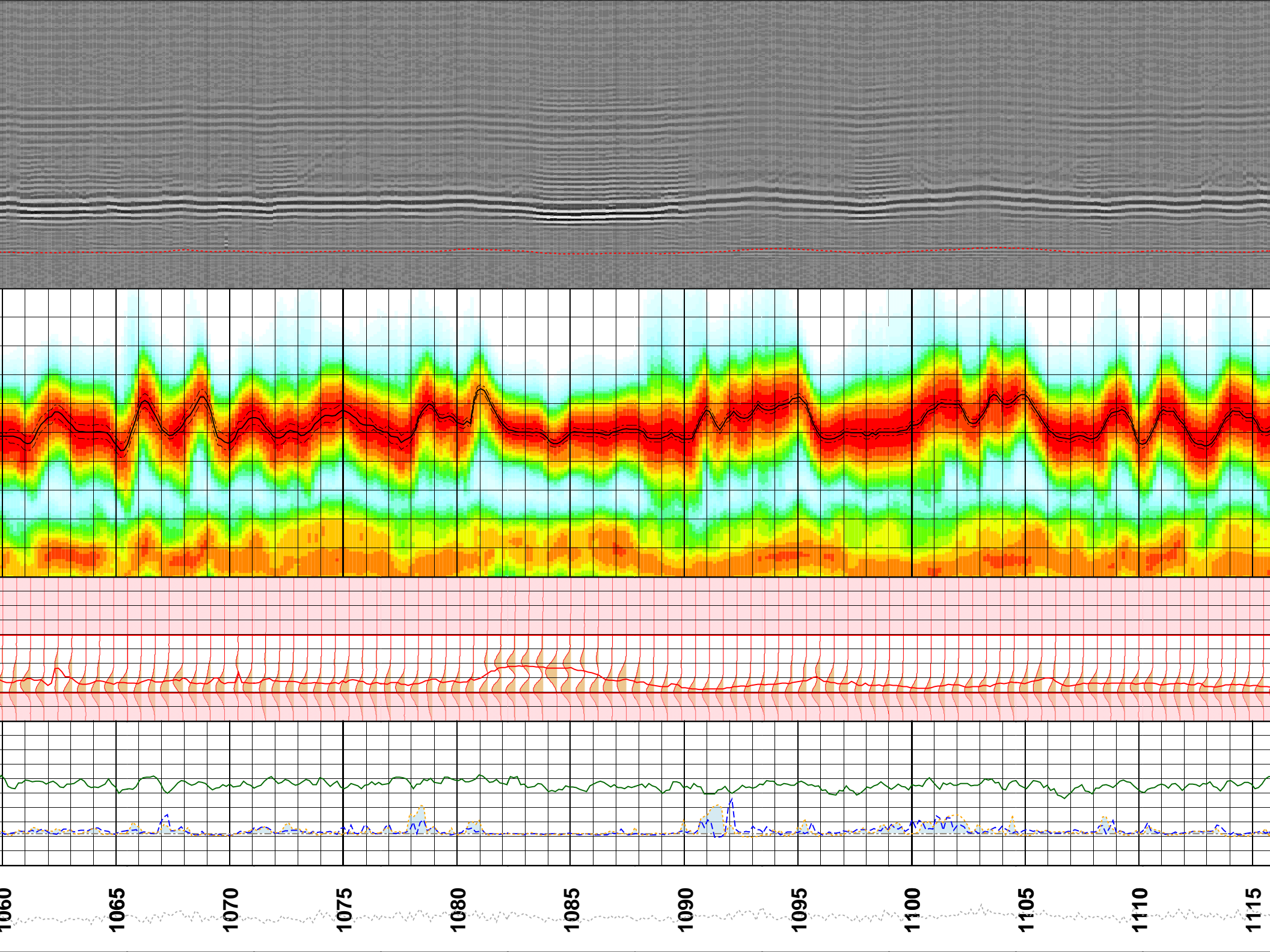




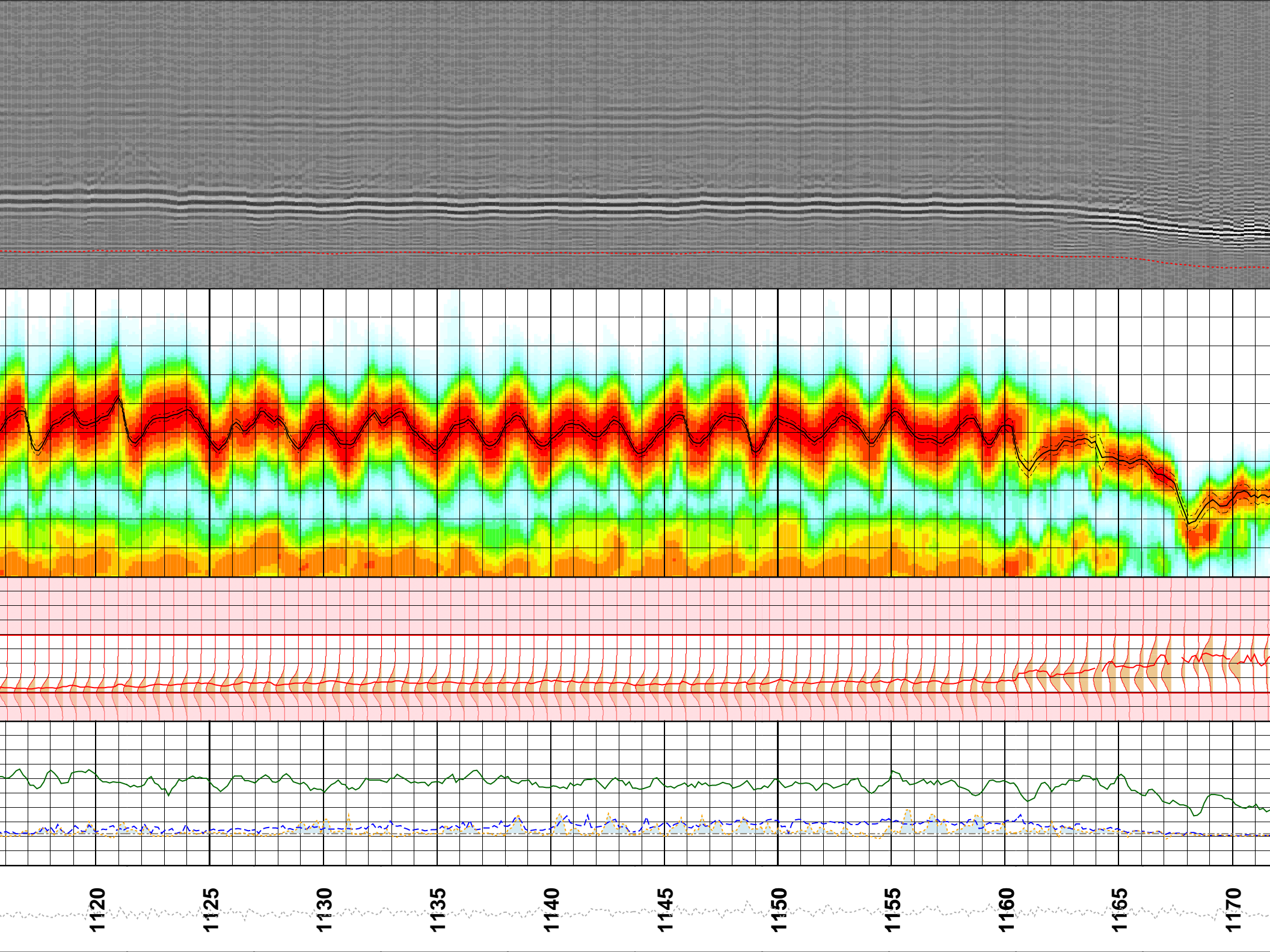


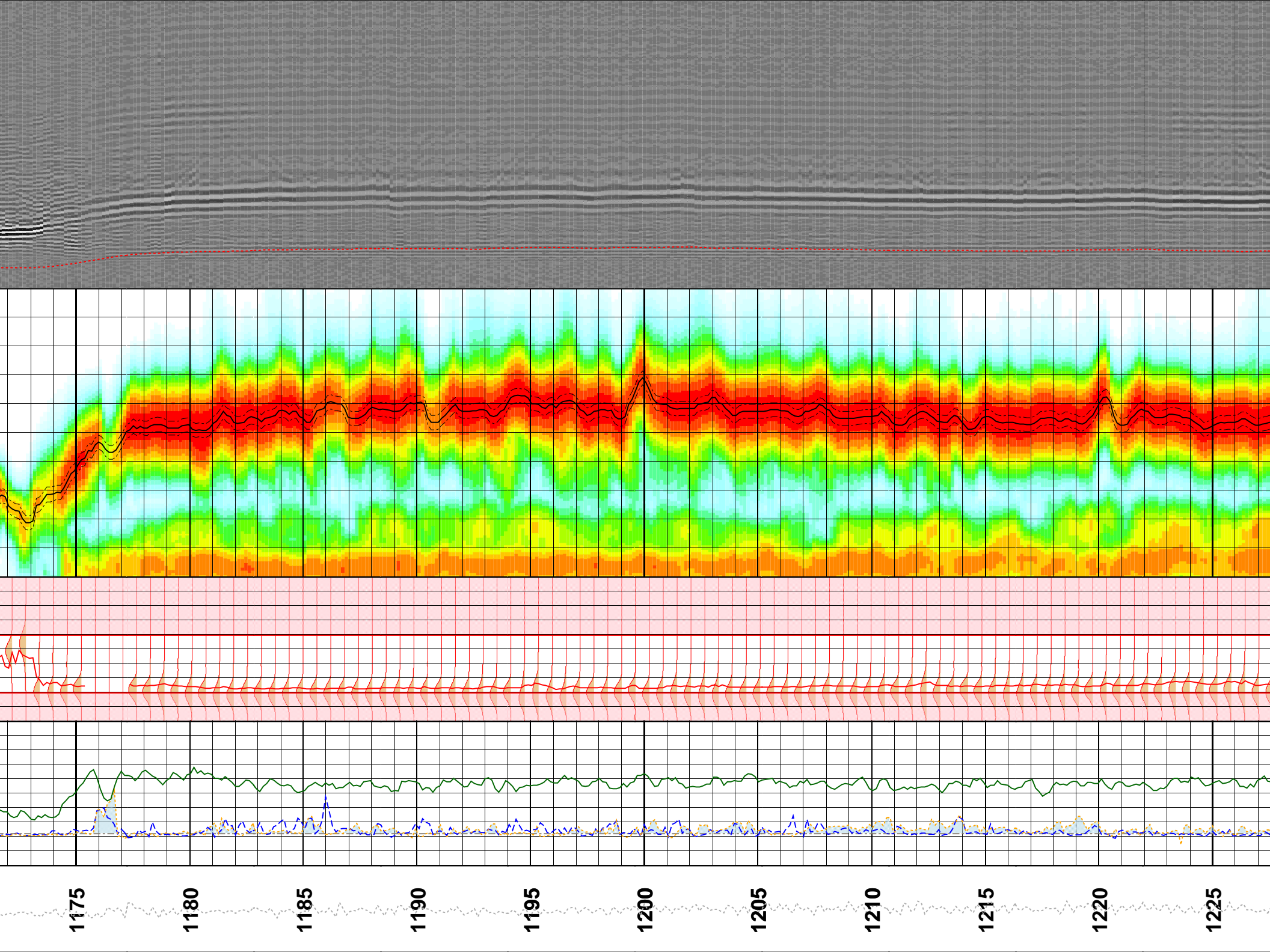


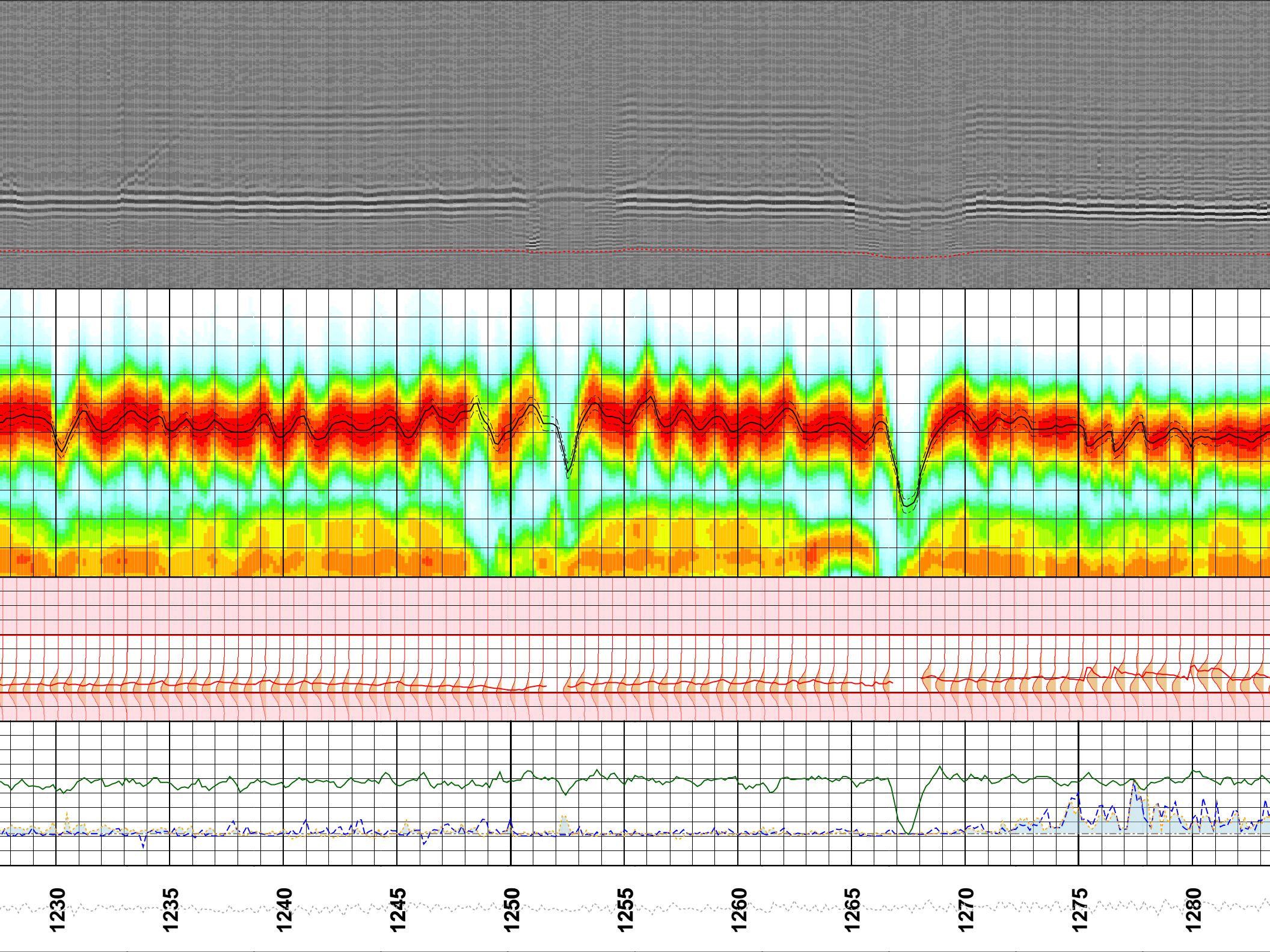




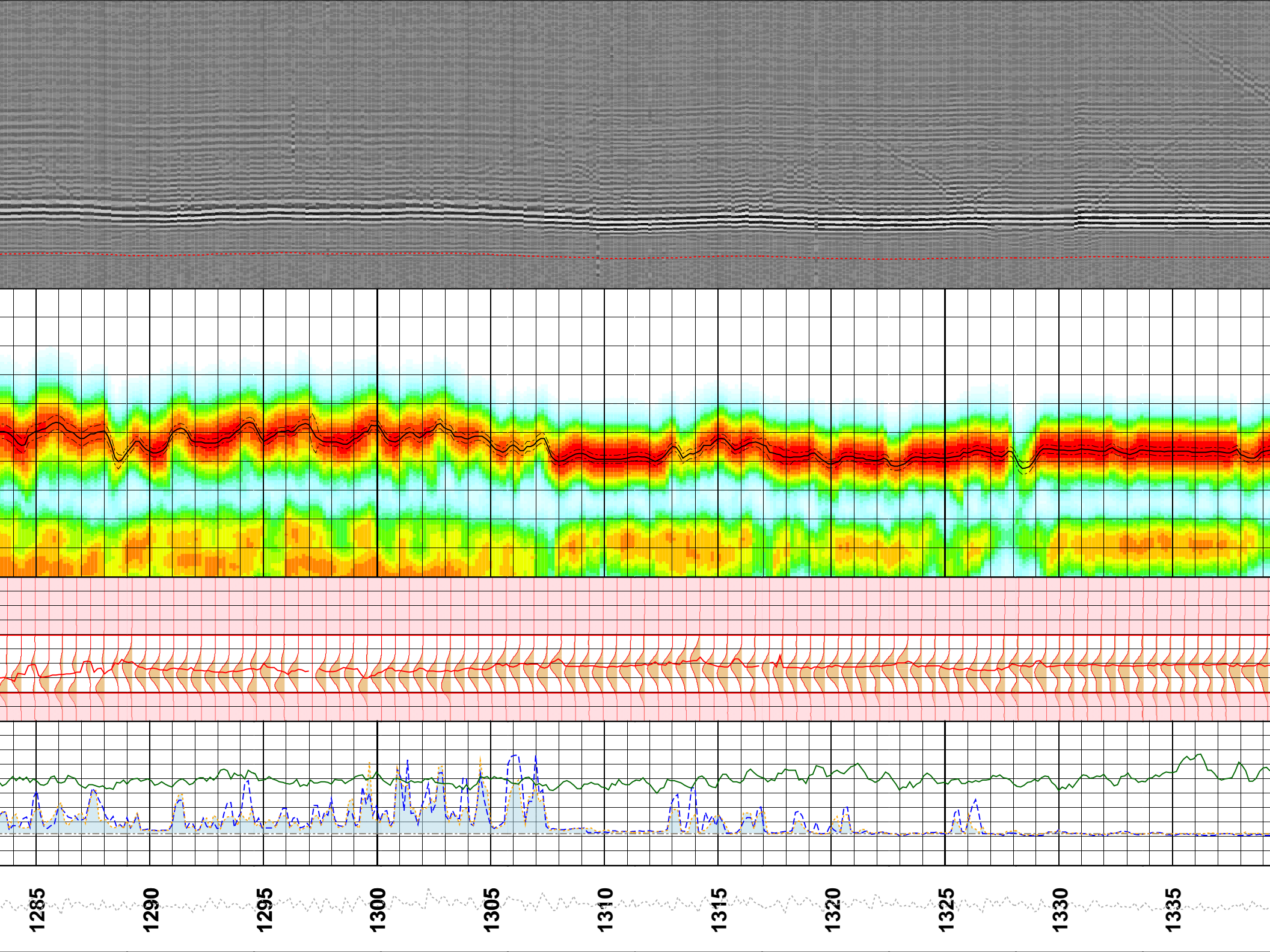


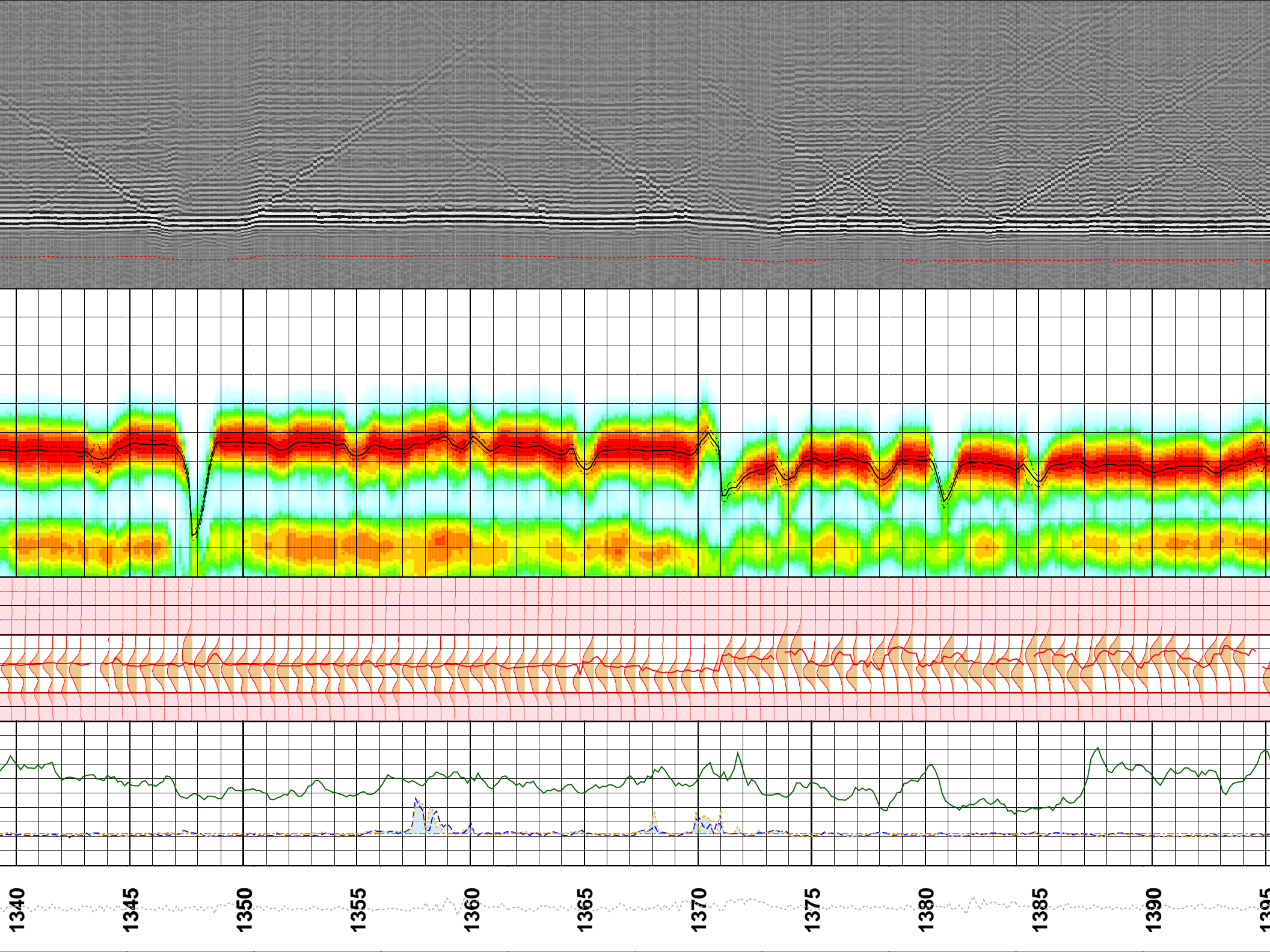


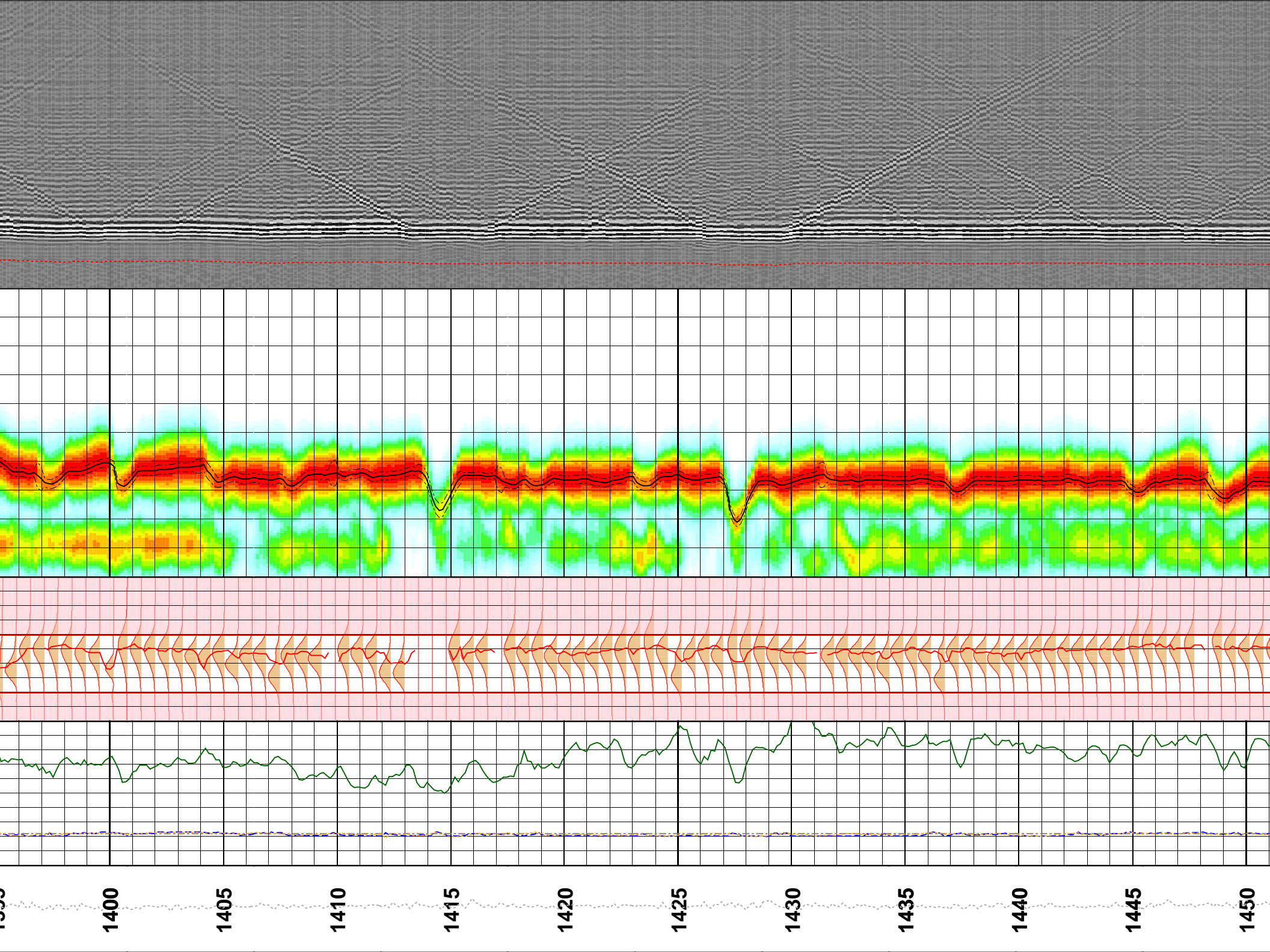




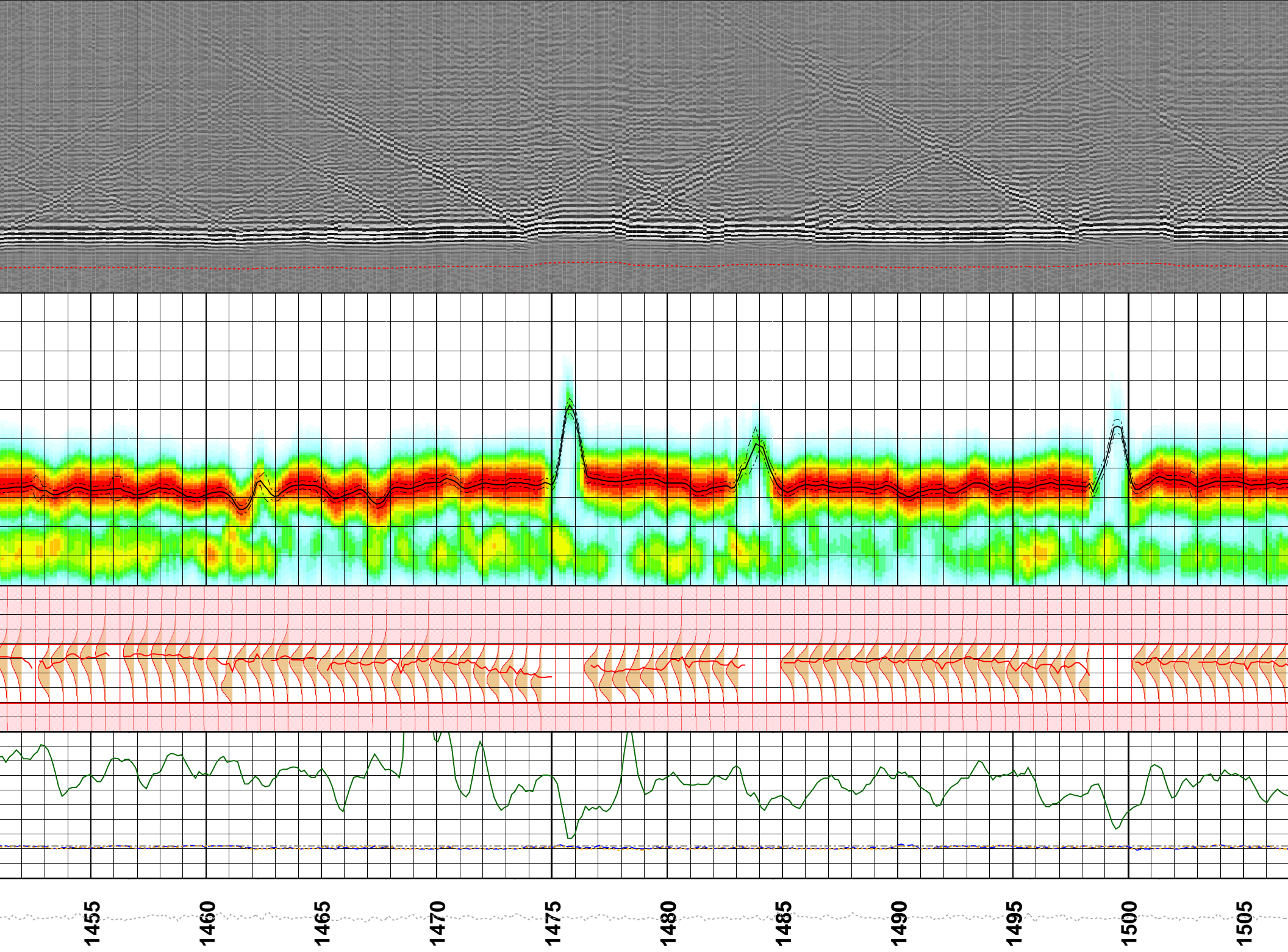


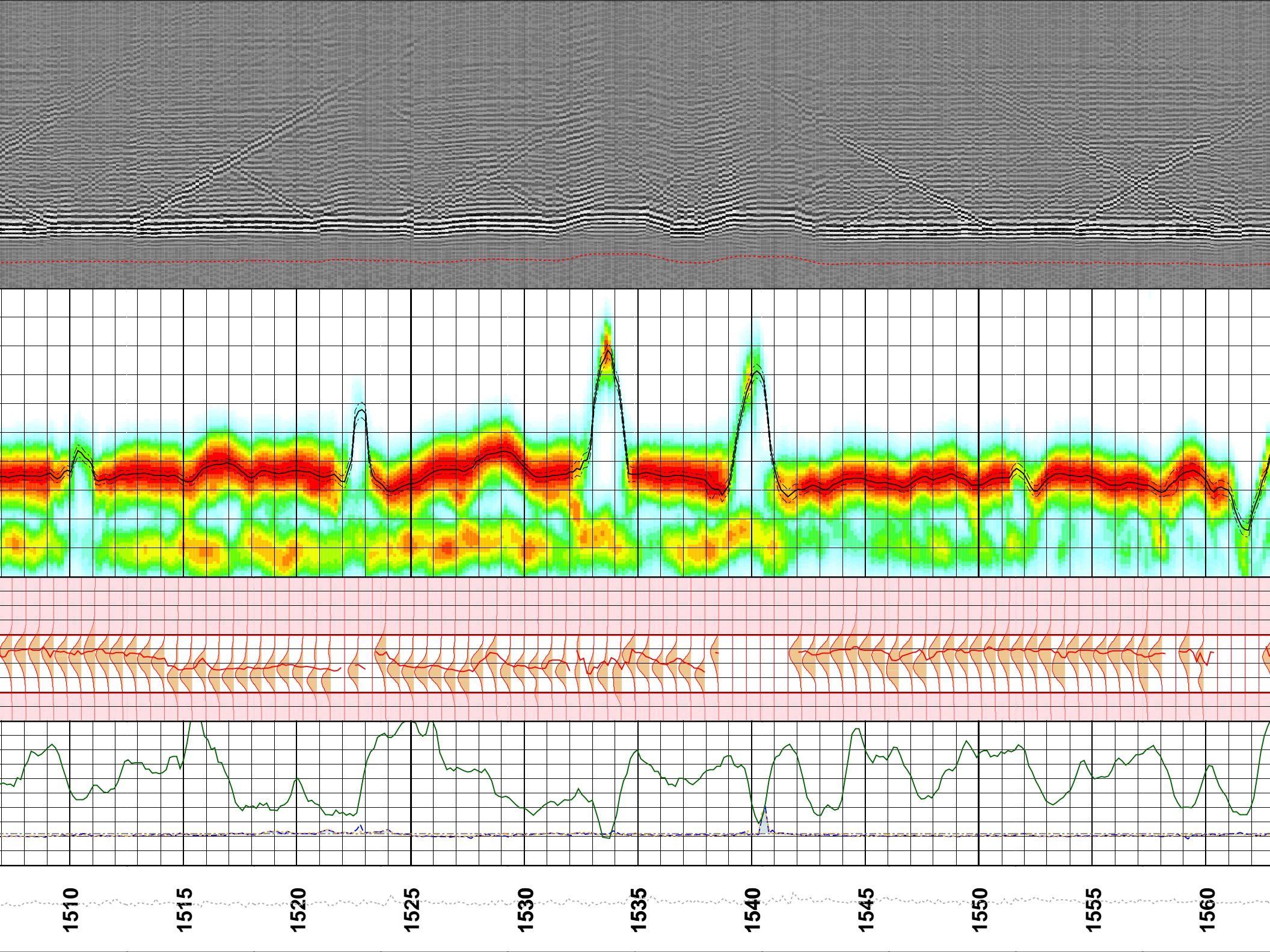


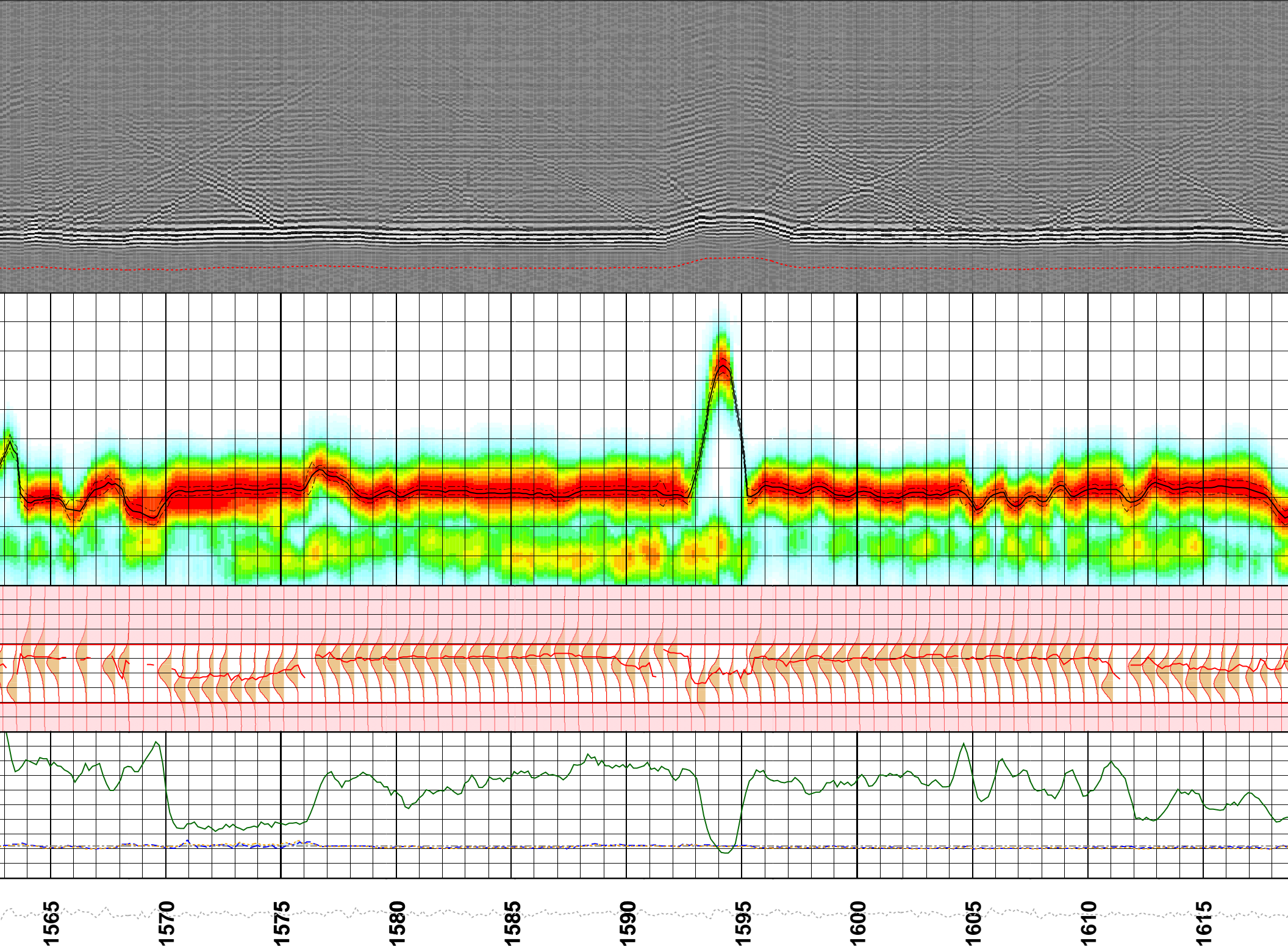




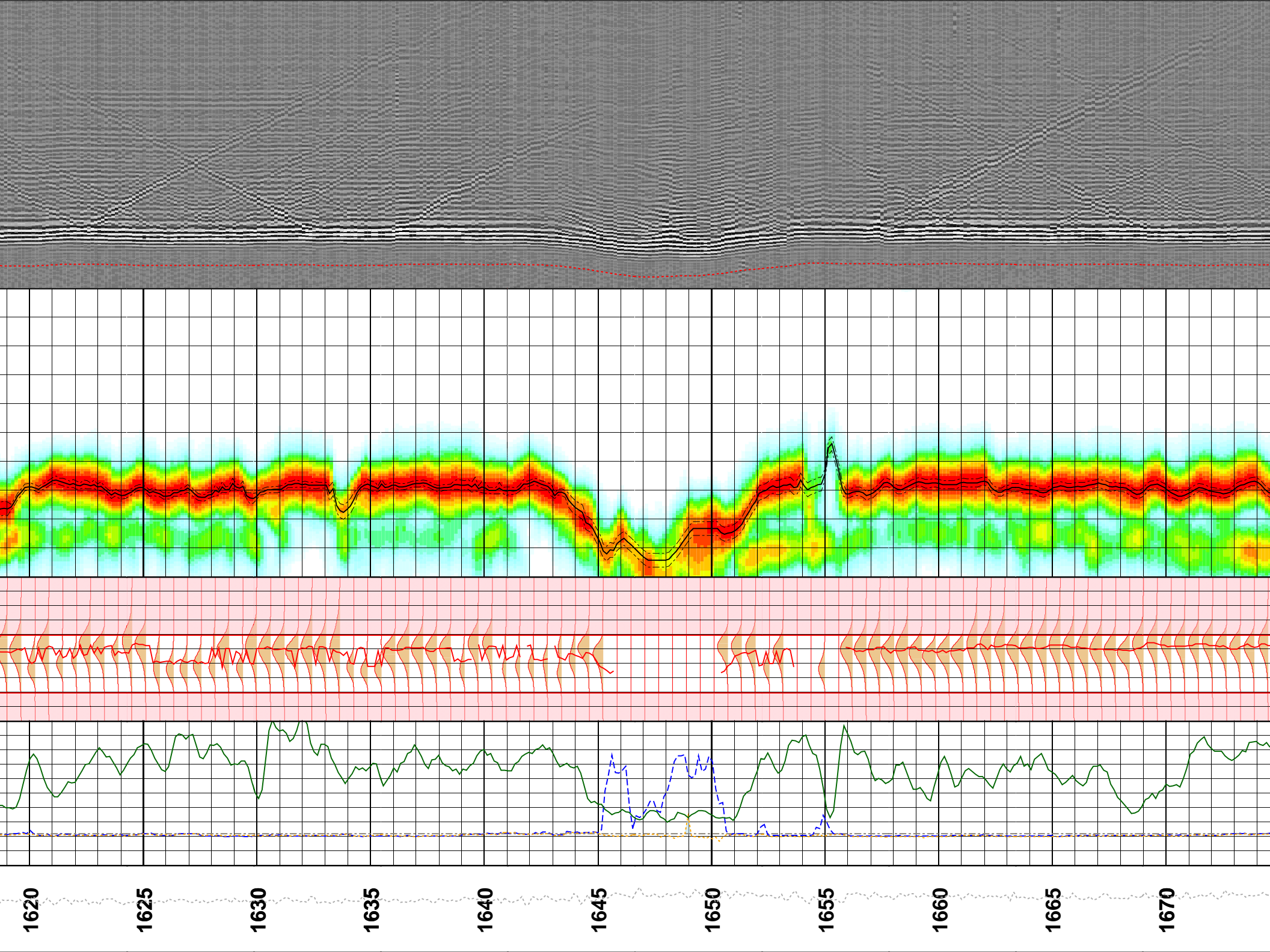


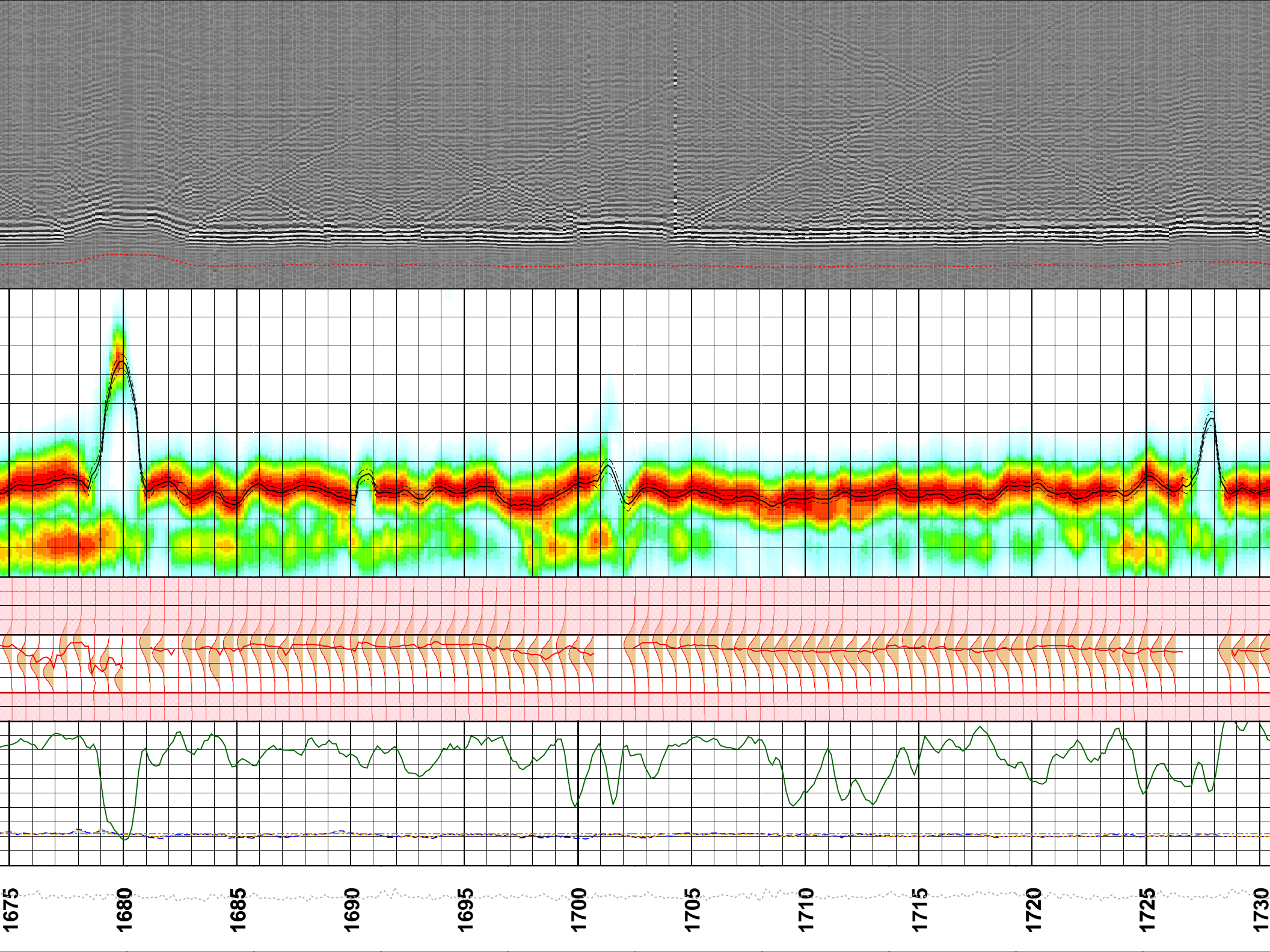


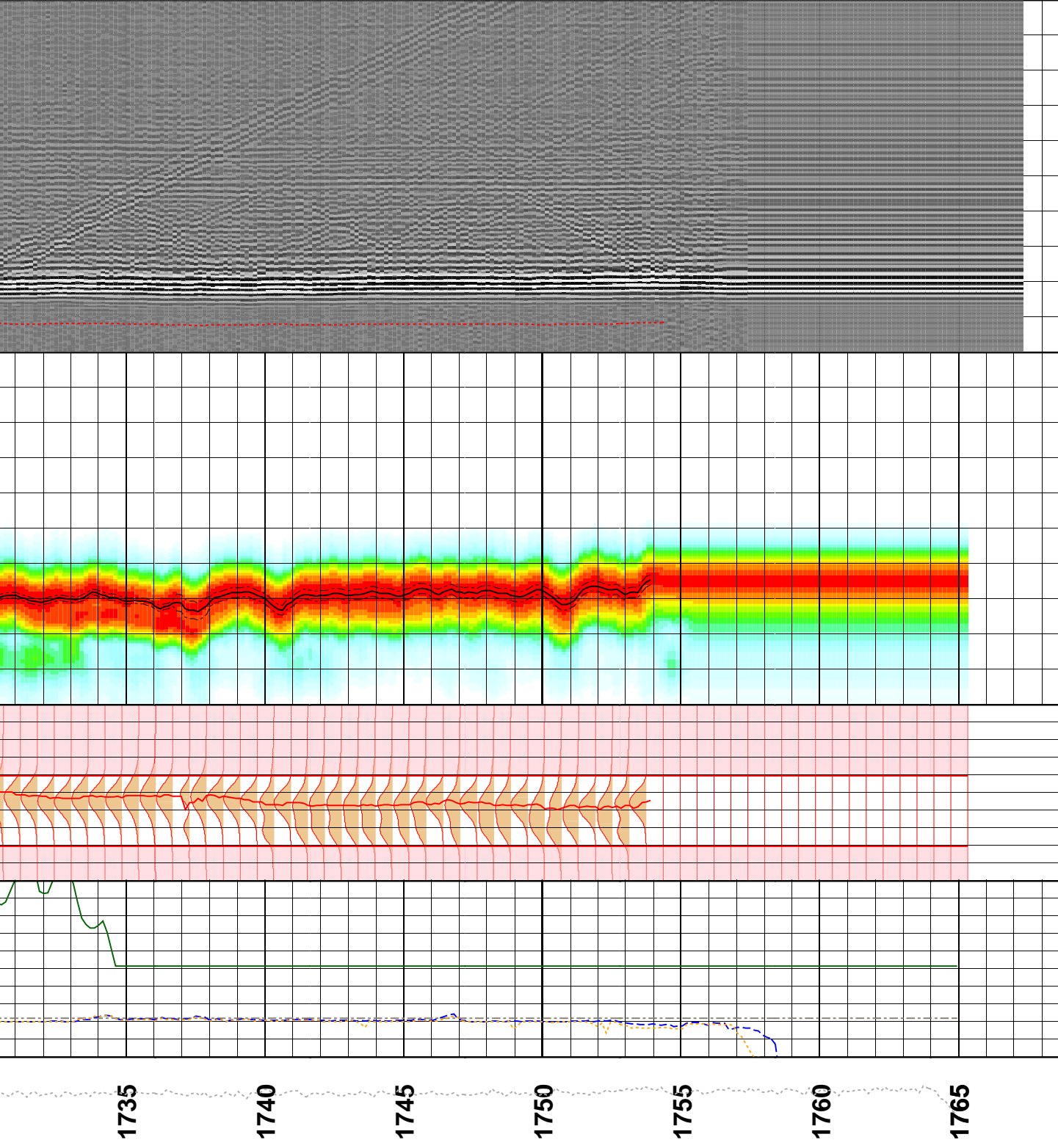












Customized Process: Start Depth (1768.22 m), Stop Depth (716.204 m), Logging Mode (Sonic Scanner - YD)

Noise Cut Filtering(No)

WF\_FLG(1 1 1 1 1 1 1 1 1 1), MUD\_TYPE(WBM), DTMUD(200), STCAL(Multishot), NRSA(8)

TRSPAC(2.8956), RRPAC(0.01524 0.3048 0.4572 0.6096 0.762 0.9144 1.0668 1.2192 1.3716 1.524 1.6764 1.8288)

Hole Diameter (HDAR@CAL\_MAXS\_MAPC\_HRLA\_082PUP;2 (1764.94 – 715.823 m))

Zoning Guide (DTCO@CAL\_MAXS\_MAPC\_HRLA\_082PUP;2 (1764.94 – 715.823 m))

177ackling Guide (DTRP@BestDT-3;10.CO.MF.MONO.MP.MF\_D.MS3.MSIPCOMM.BDT.EDT (1765.33 - 716.204 m))

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

SFTY(Intermediate), BHS(CASE), CSIZ(12.415), HDM(HDAR), HD(17.5\*), DFNM(Vp Based), DFVPVS(2)

TWI(1512), SLL(40\*), SUL(540), SST(4), TLL(972), TUL(18792), TST(324)

SBW(12520), SBO(5680), SWD(60), TWD(9390), SEM(0.35), FLENG(47), FLOW(1000), FHIGH(3000)

TKO\_MODEL\_ORDER(3), TKO\_TOL(50) TKO\_FLOW(0), TKO\_FHIGH(8000)

--- Zone Top Depth (733), Zone Name (Zone1\_1) ---

SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(HDAR), HD(12.25), DFNM(Vp Based), DFVPVS(2)

TWI(1512), SLL(40\*), SUL(540), SST(4), TLL(972), TUL(18468), TST(324)

SBW(12120), SBO(5520), SWD(60), TWD(9090), SEM(0.35), FLENG(47), FLOW(1000), FHIGH(3000)

TKO\_MODEL\_ORDER(3), TKO\_TOL(50) TKO\_FLOW(0), TKO\_FHIGH(8000)



