



GEOFRAME  
PROCESSED  
INTERPRETATION

BestDT\*

QC Plot – MSIP–L MF

Sonic Processing

\*A Mark of Schlumberger

Using the following logs:

FMI–HNGS–Sonic Scann  
MDT–GR (Dual Packer)  
VSI20–GR (ZOVSP)

COMPANY:

CDEX

WELL:

C0009A

FIELD:

Kumanonada, Offshore Kii peninsula

Rig:

Chikyu

Prefecture:

Wakayama

COUNTRY:

JAPAN

Date Logged:

11–Jul–2009

Date Processed:

14–July–2009

Well Location:

Nankai Trough

NT2–11B

Elevations:

KB:

DF:

GL:

API Number:

Job Number:

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: JPOP	Software Version: 17C0–154	Engineer: Payap Thongpracharn
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Office Recording:	ICS Center: JTK	Baseline:	Log Analyst: Xingwang Yang
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Mud and Borehole Measurements:

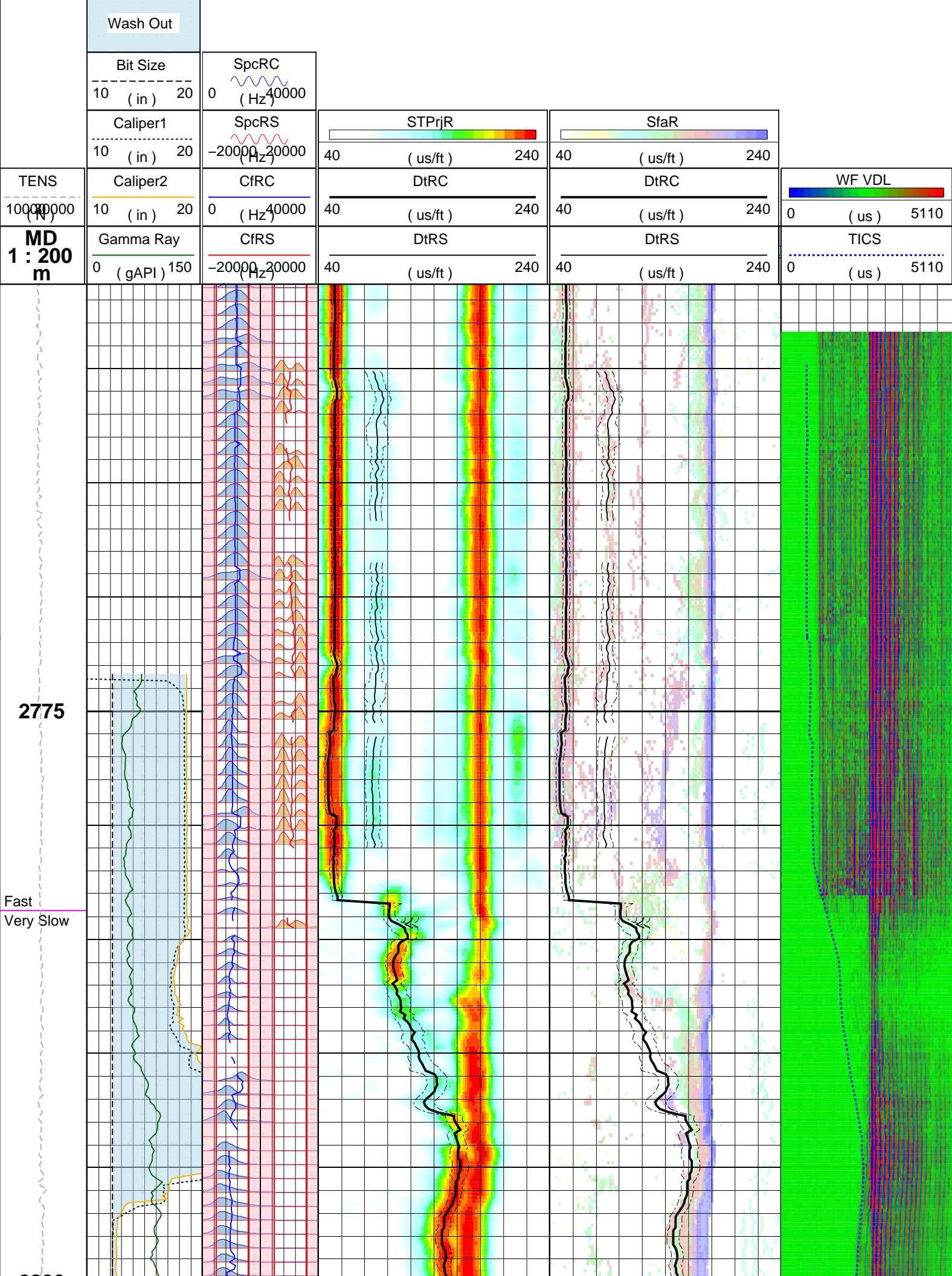
Rm @ Measured Temperature:	0.0685ohm.m @ 25.7degC	BHT:	32degC	Bitsize:	12.25in
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Rmf @ Measured Temperature:	@	Type Fluid in Hole:	KCl–NaCl Polymer
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Rmc @ Measured Temperature:	@	Mud Density:	1.1g/cm3
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Remarks:

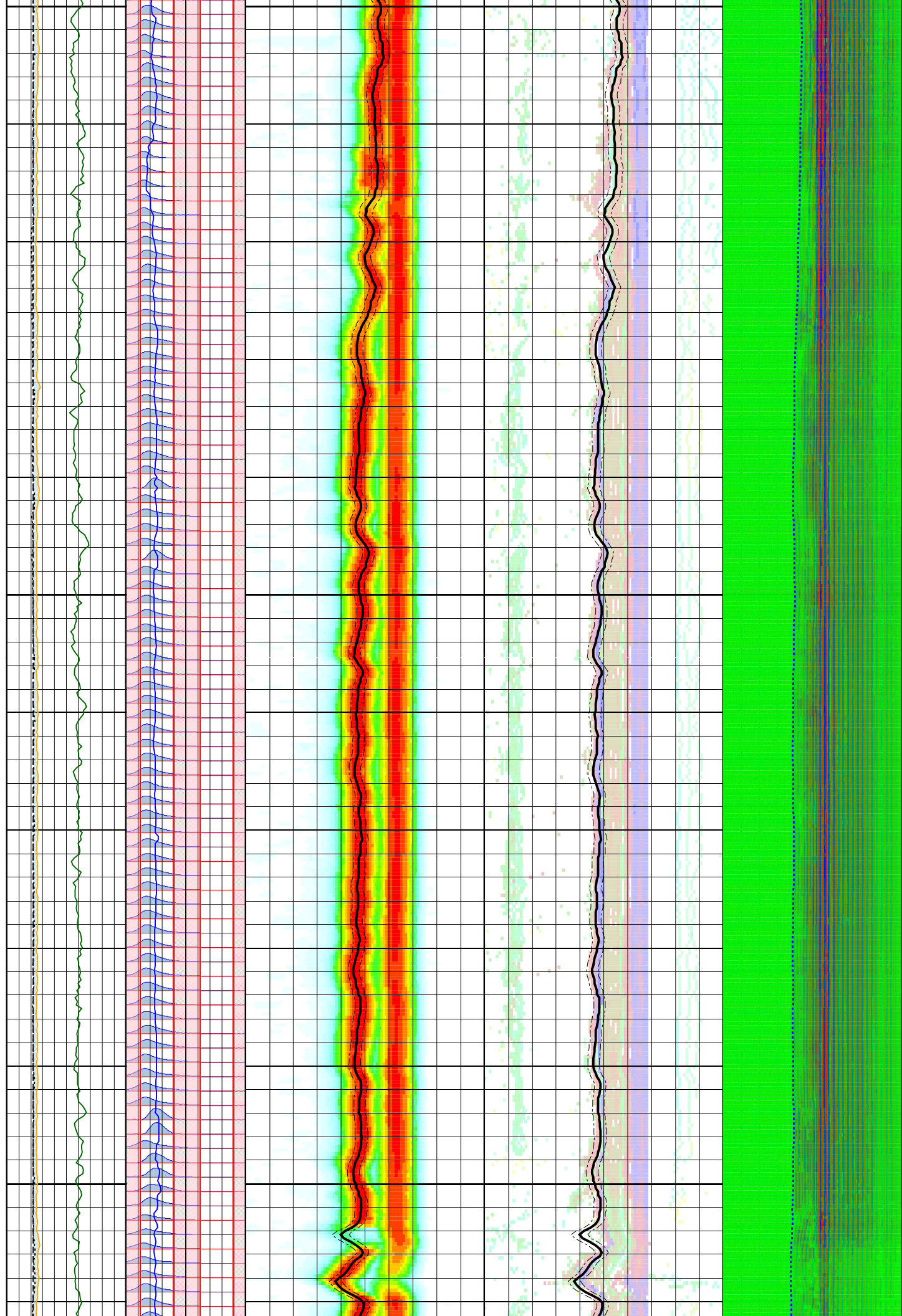
First log in the well.  
Downlog used as the reference log, Depth Offset = xx m.  
Tool ran as per tool sketch and 2.5 inch standoffs used.  
Maximum recorded temperature from logging head thermometers = xx degC.  
Maximum deviation = 0.70 deg @ 2749.79mBRT.



2800

2825

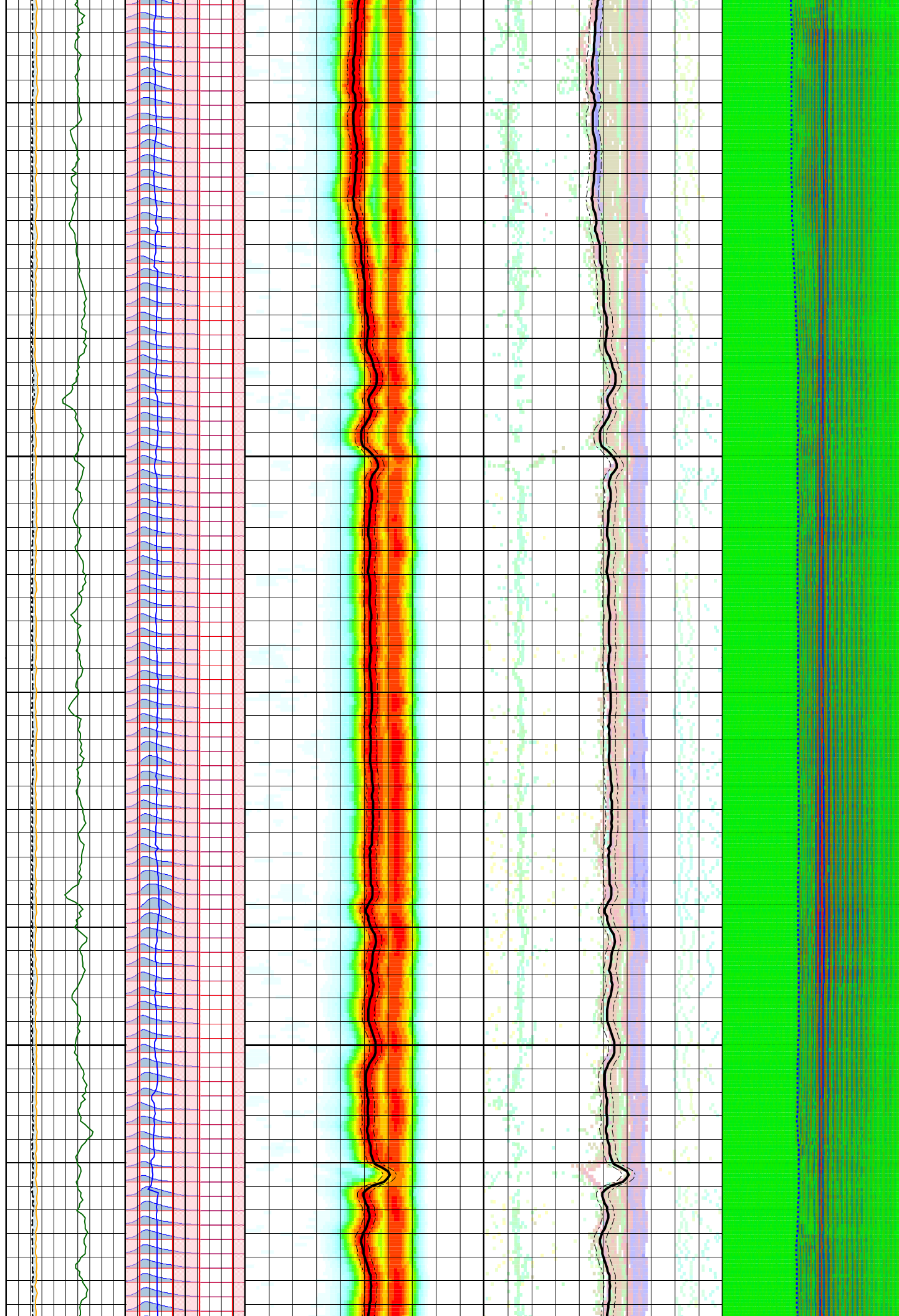
2850





2875

2900



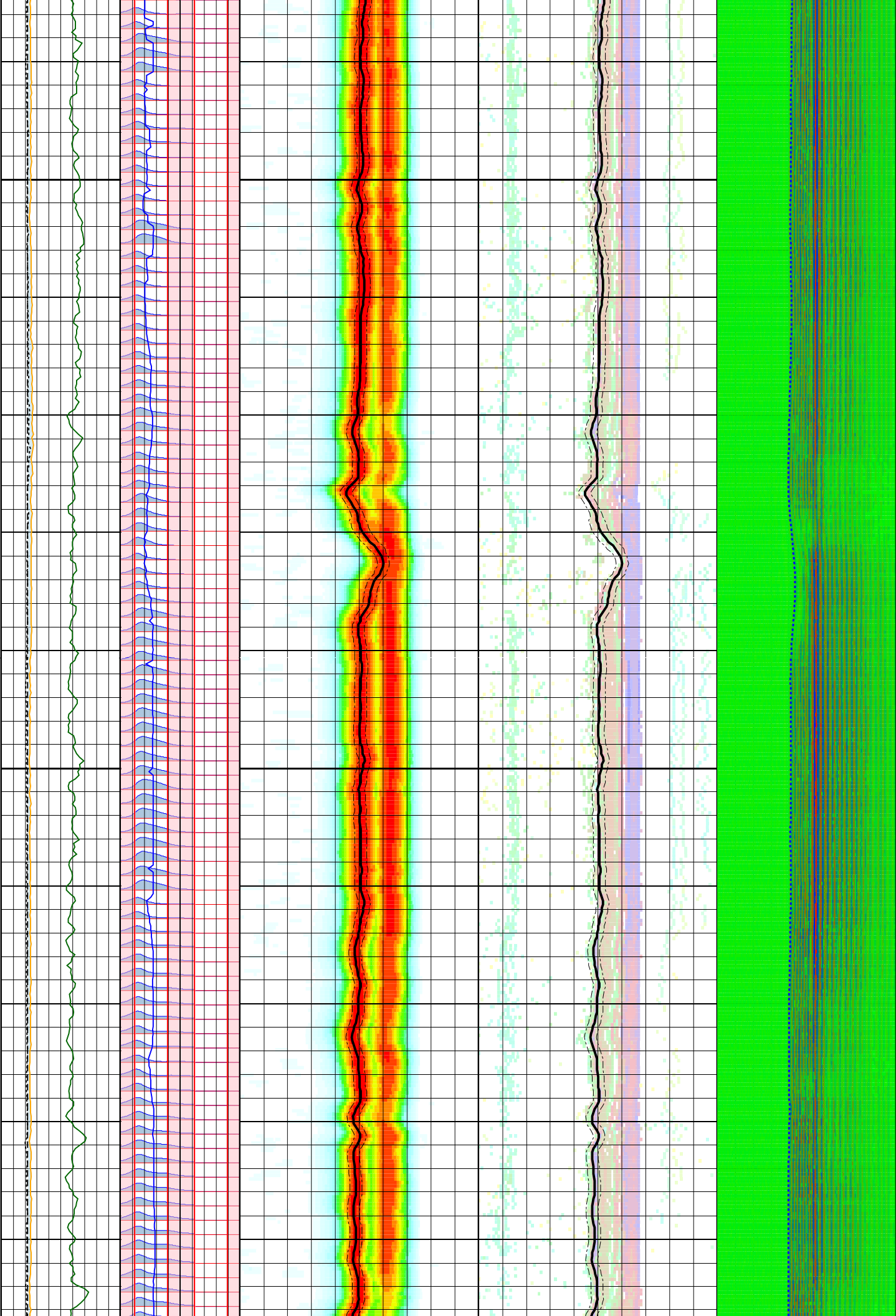


**2925**

**2950**

2975

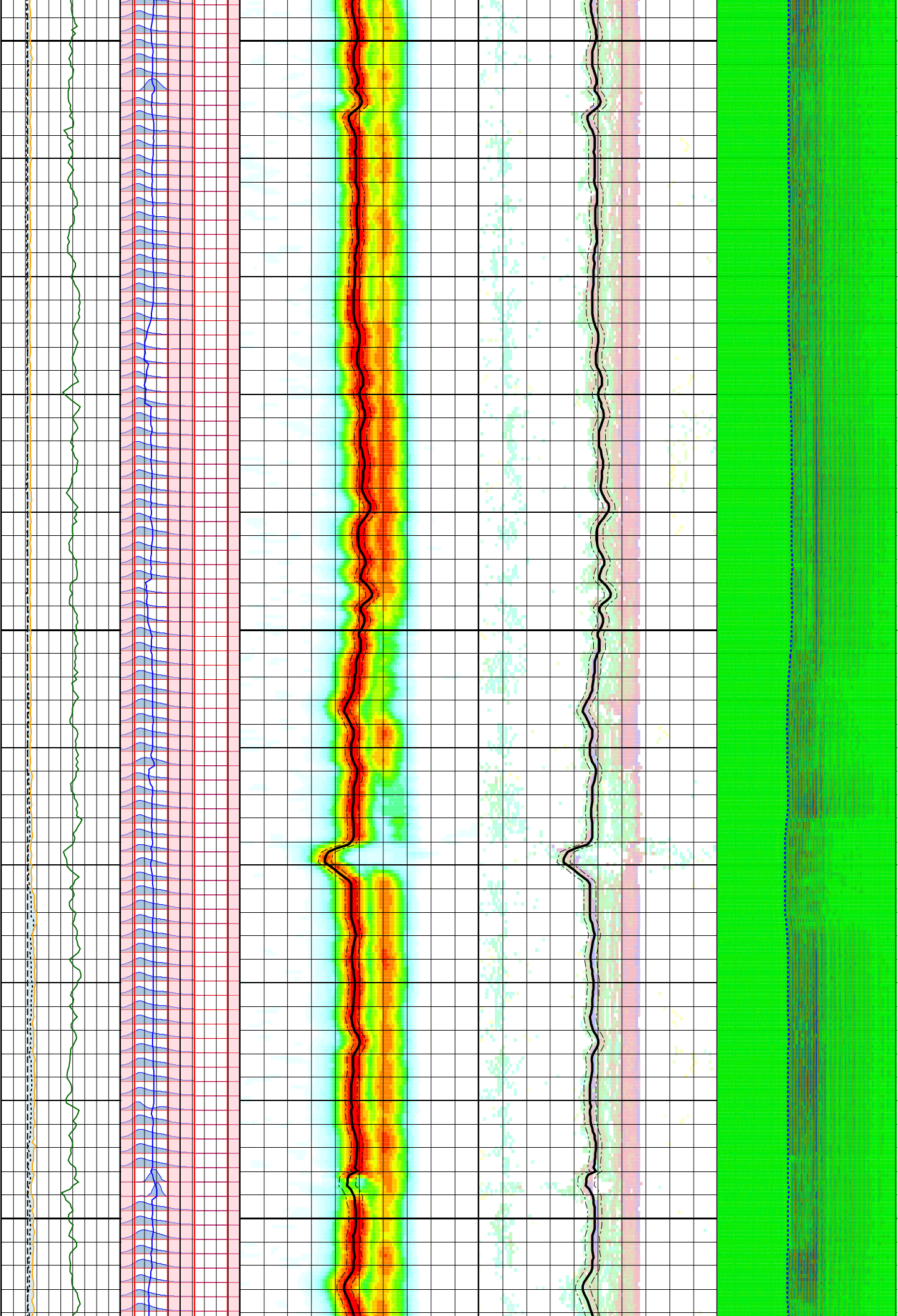
3000



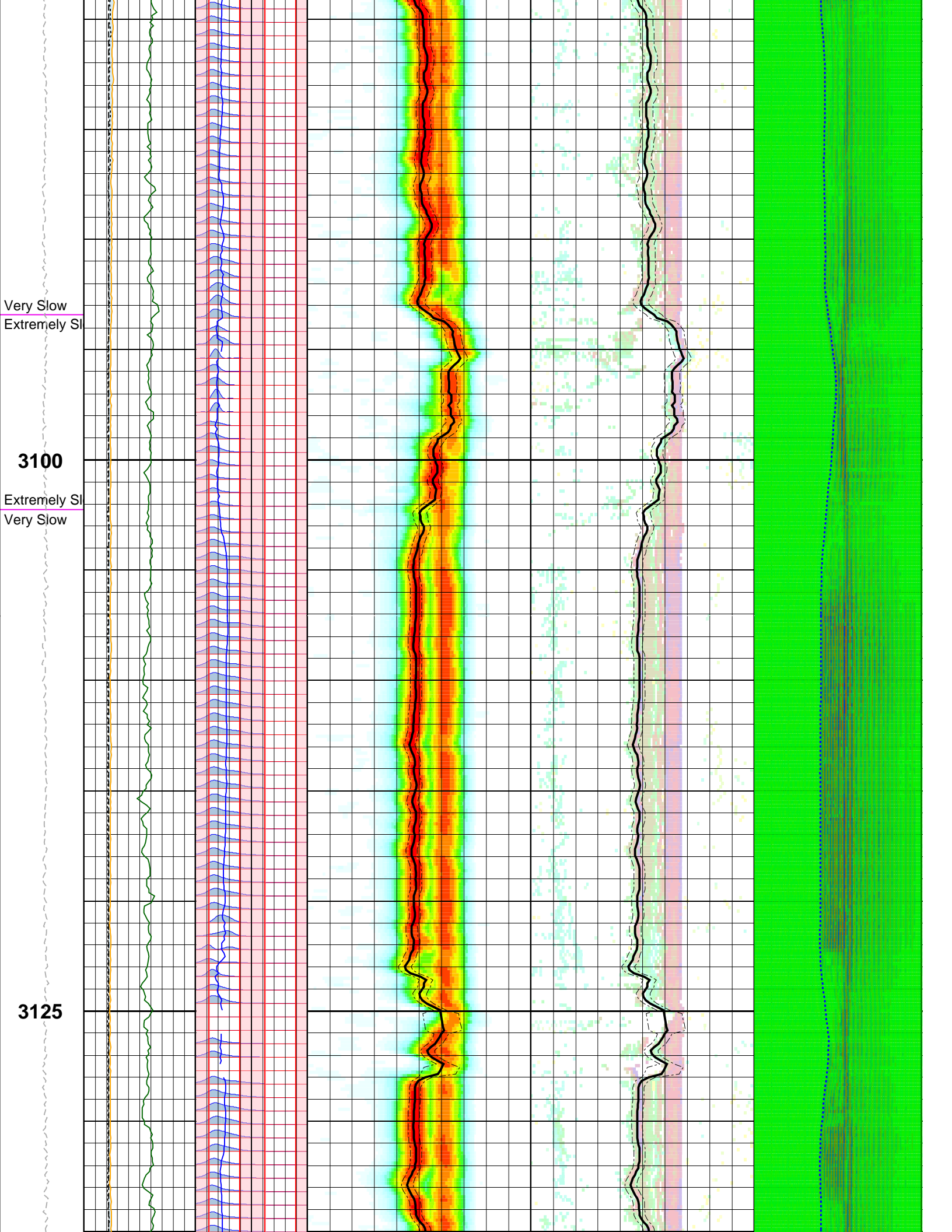
3025

3050

3075





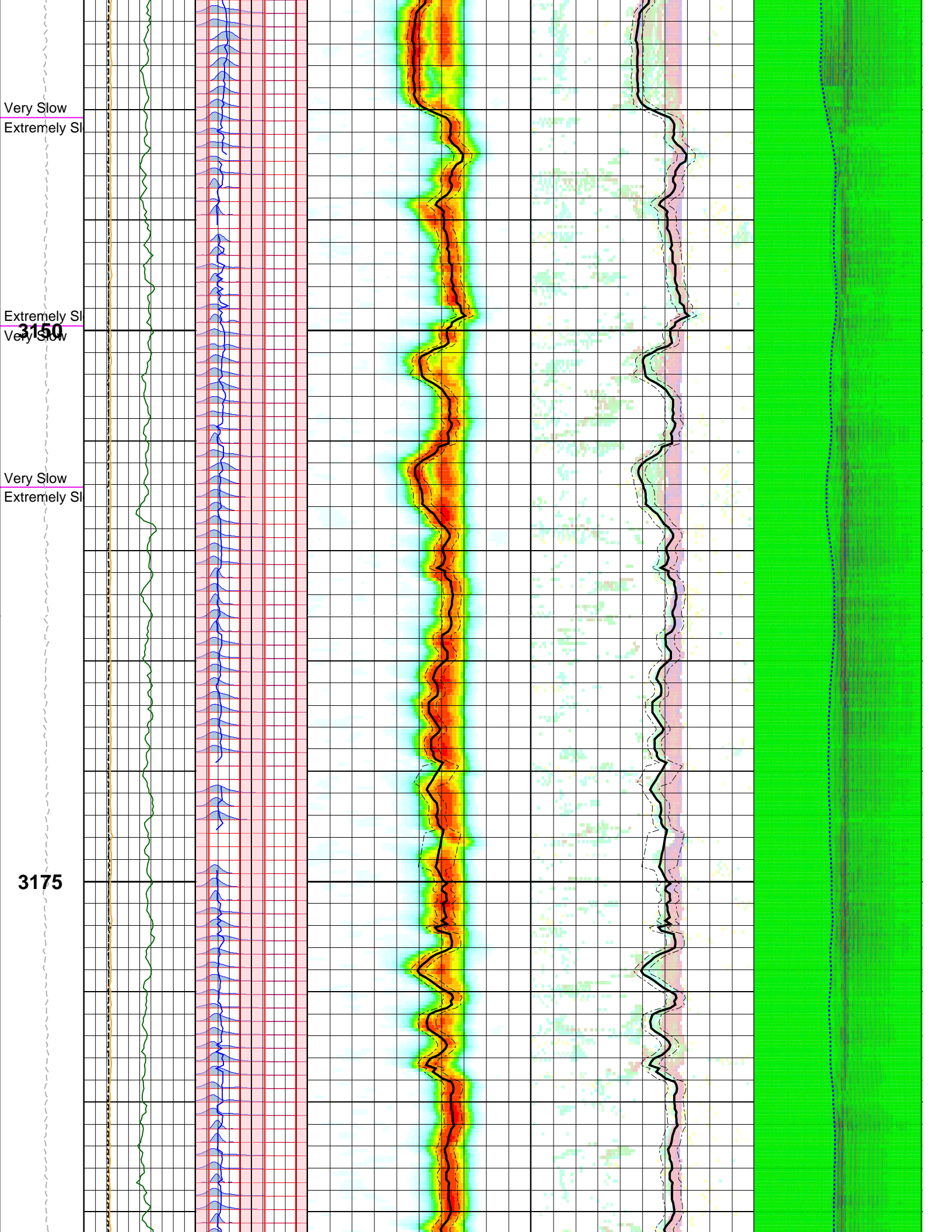


Very Slow  
Extremely Sl

Extremely Sl  
Very Slow

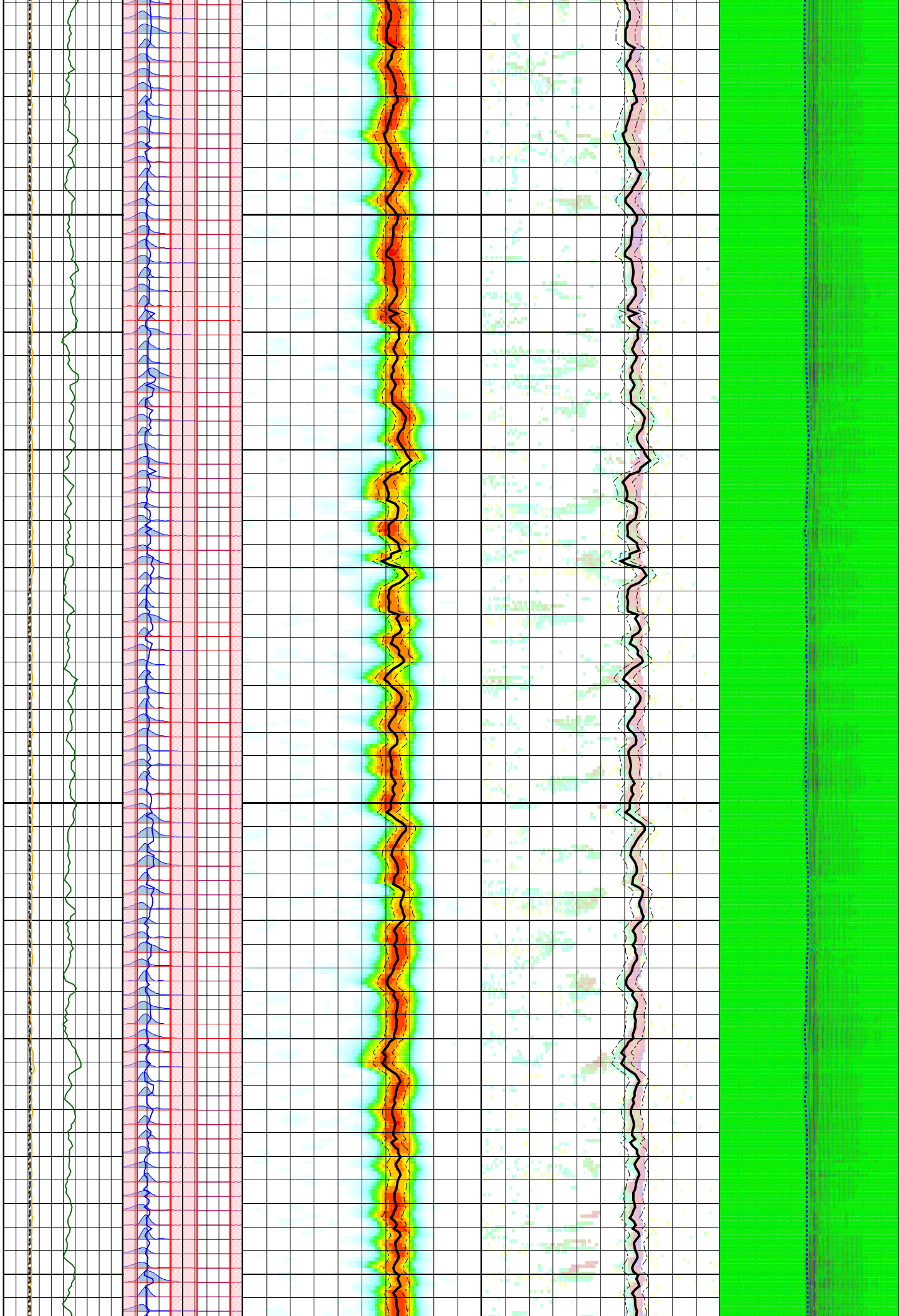
Very Slow  
Extremely Sl

3175

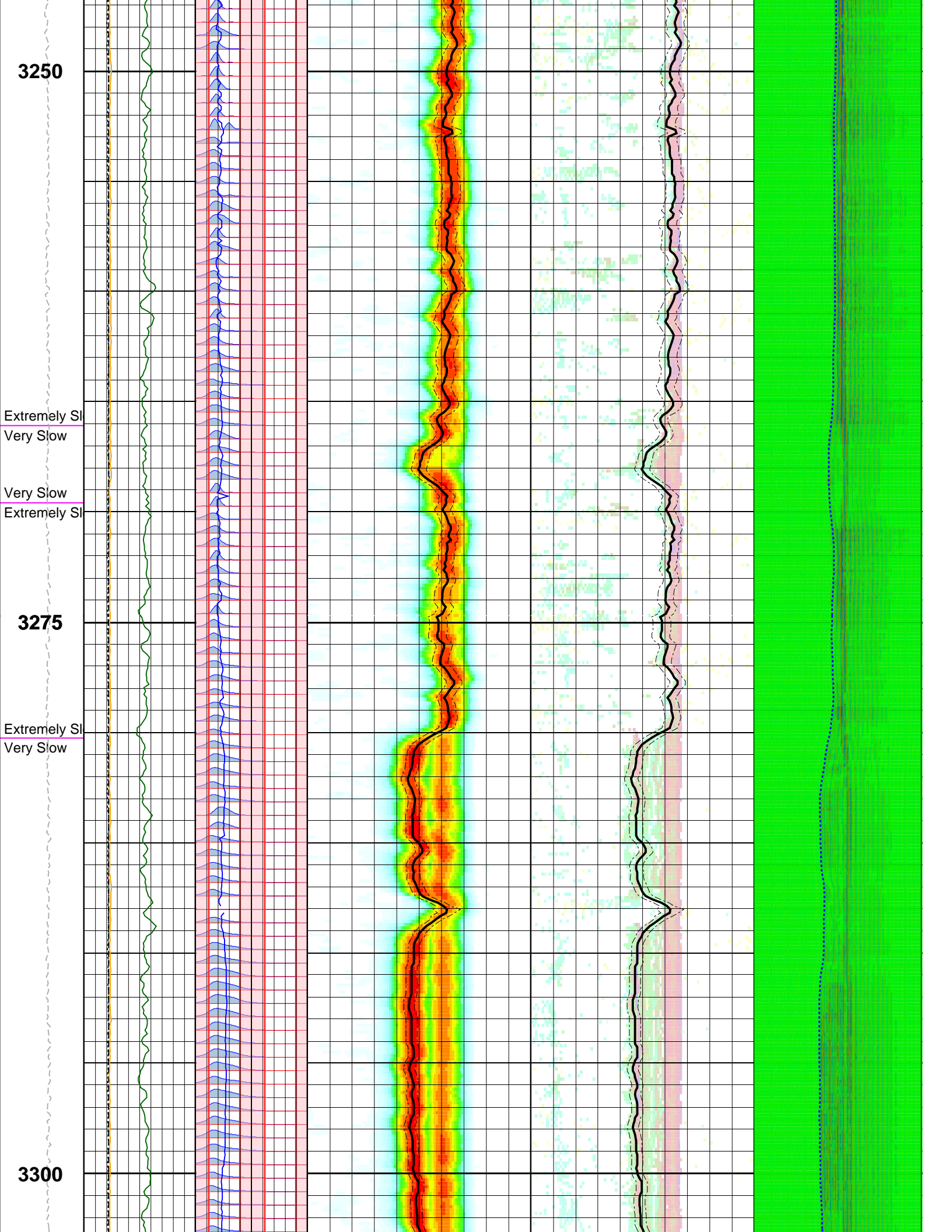


3200

3225

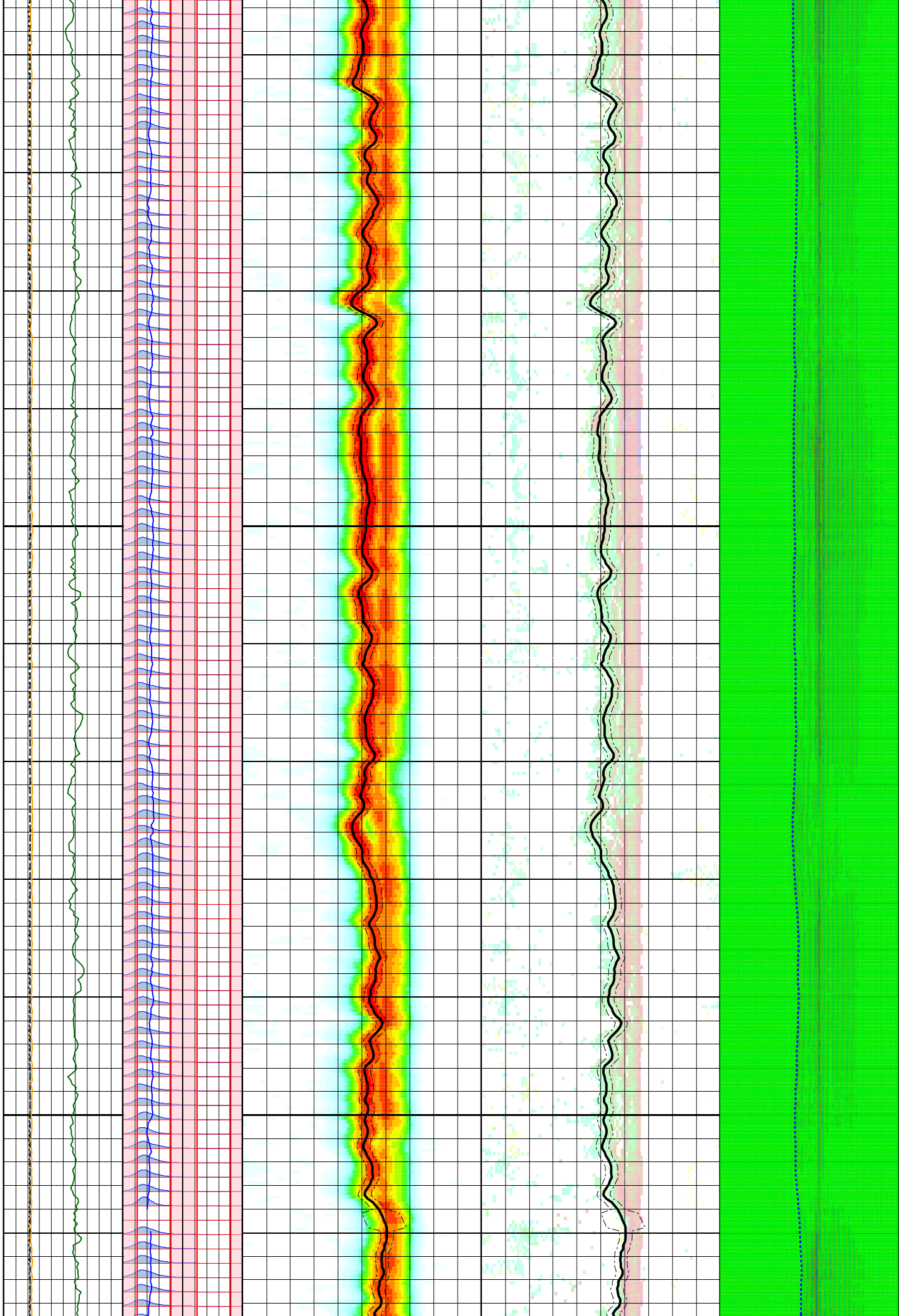






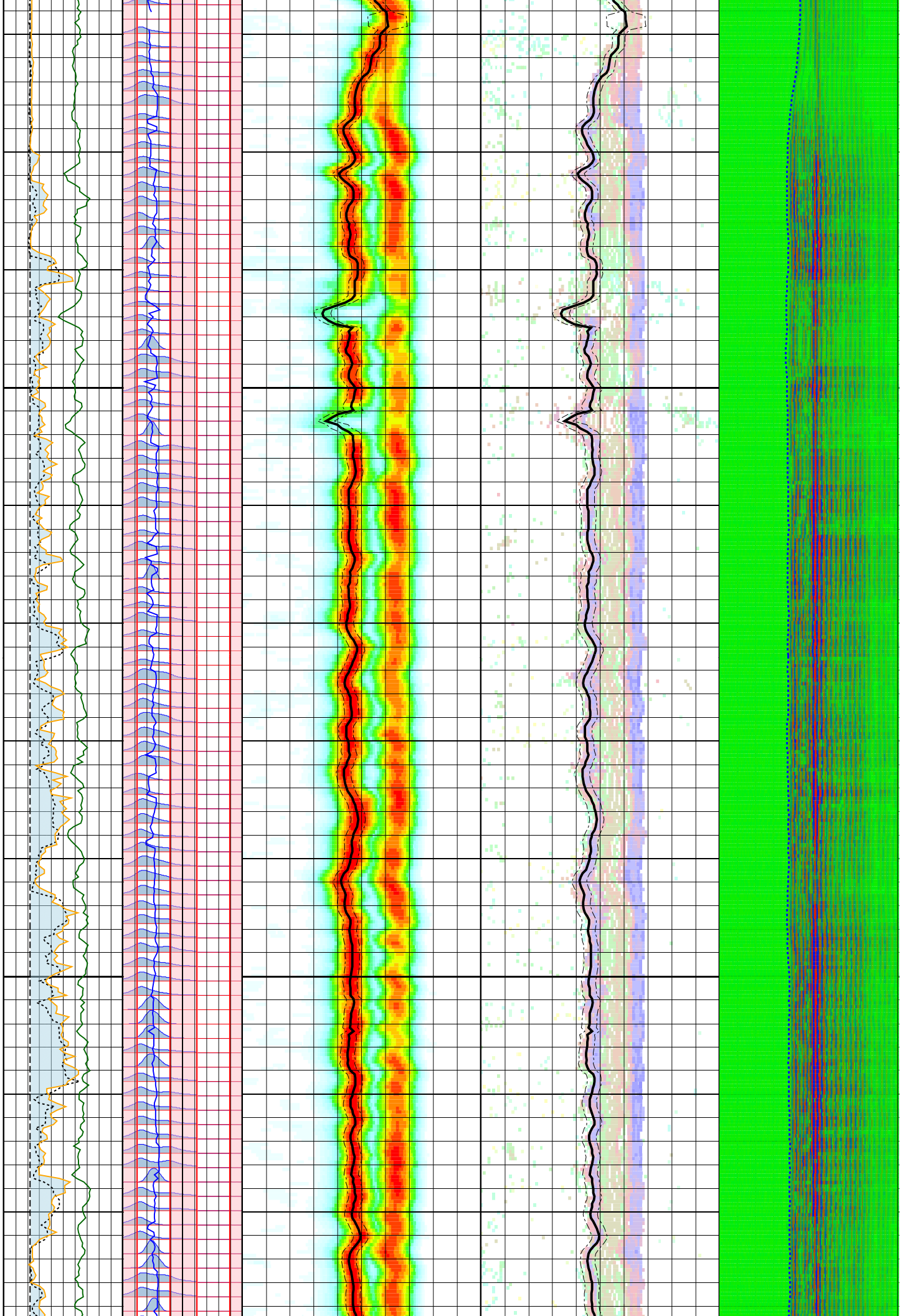
3325

3350



3375

3400

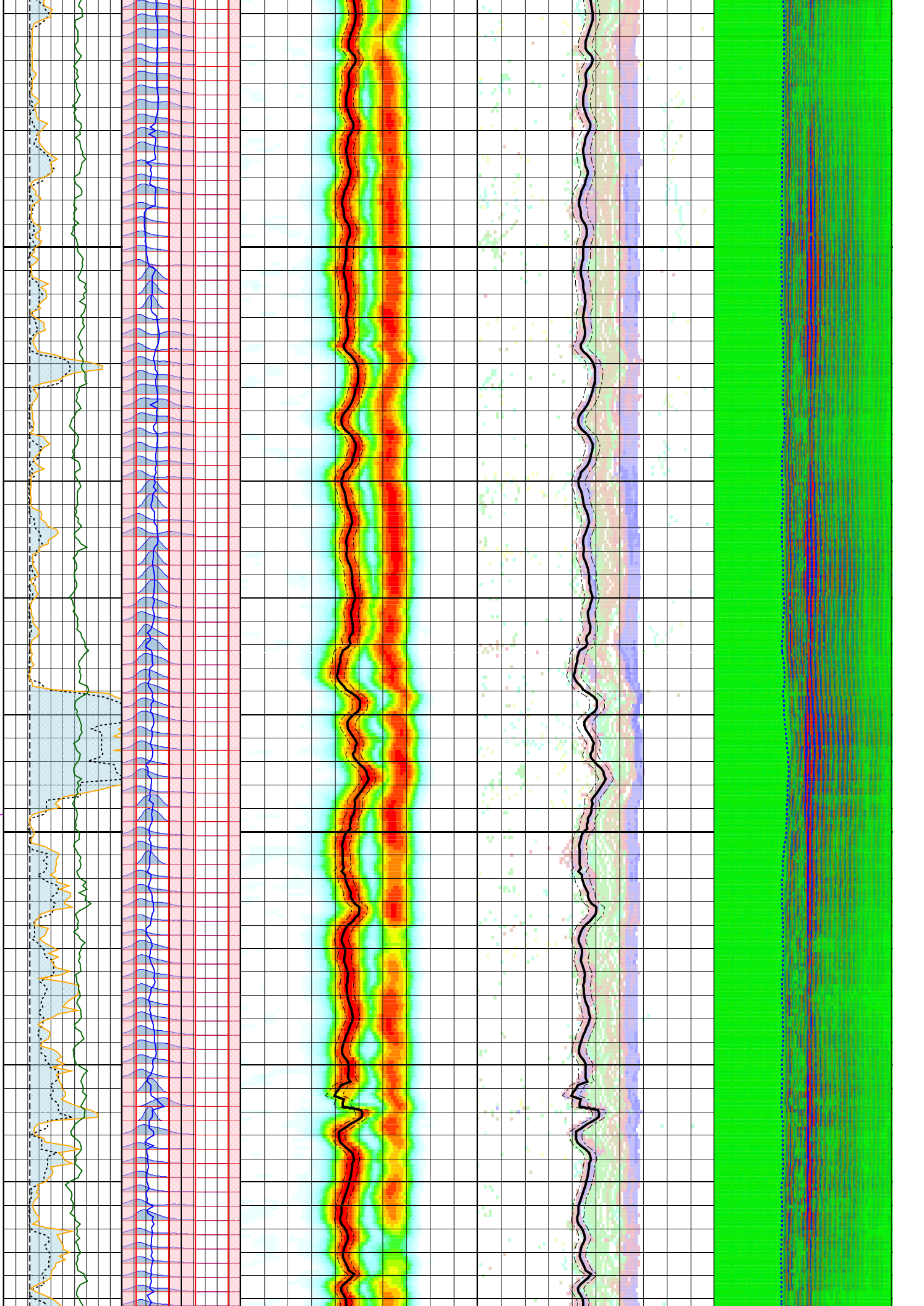




3425

Very Slow  
Slow

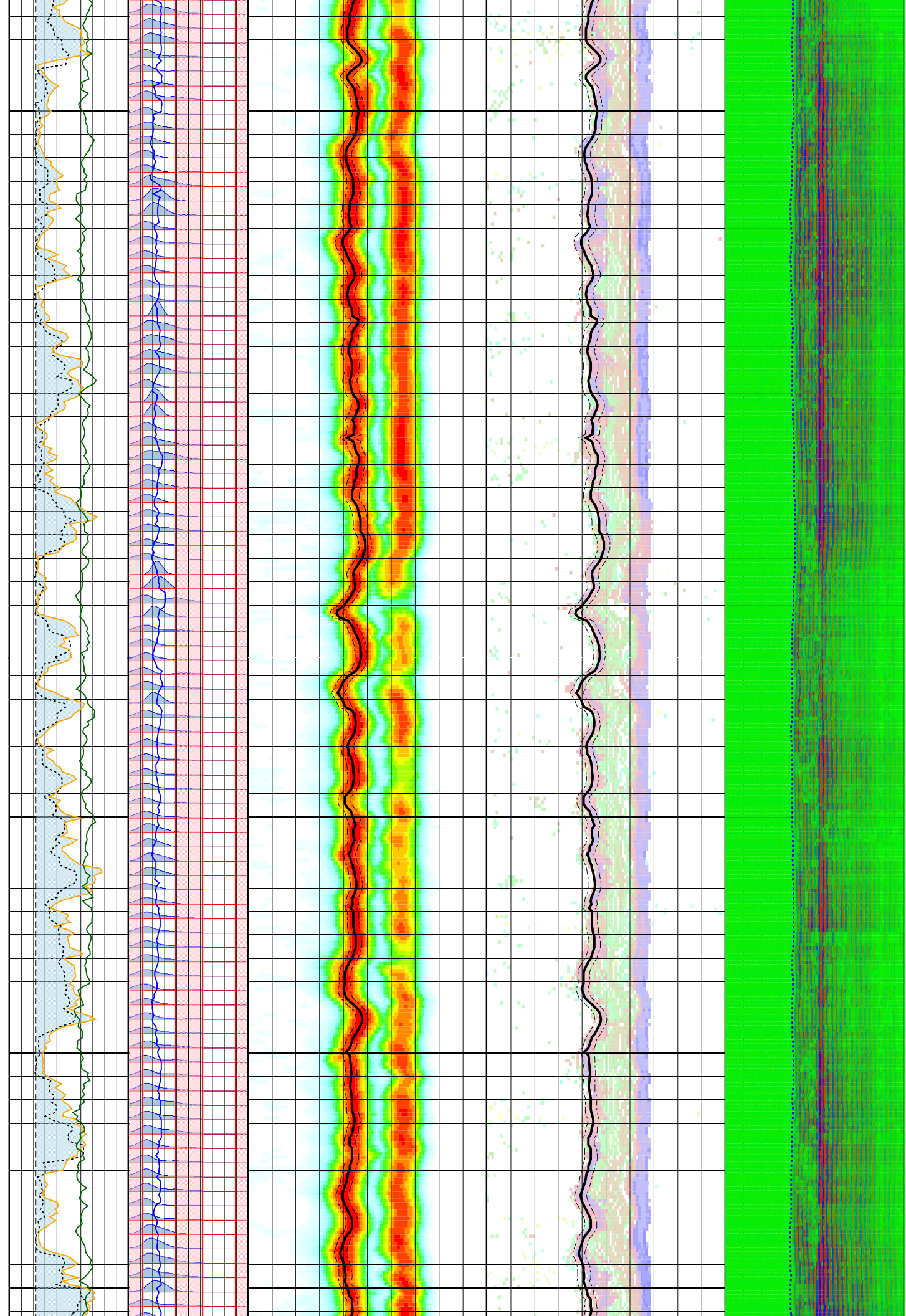
3450



3475

3500

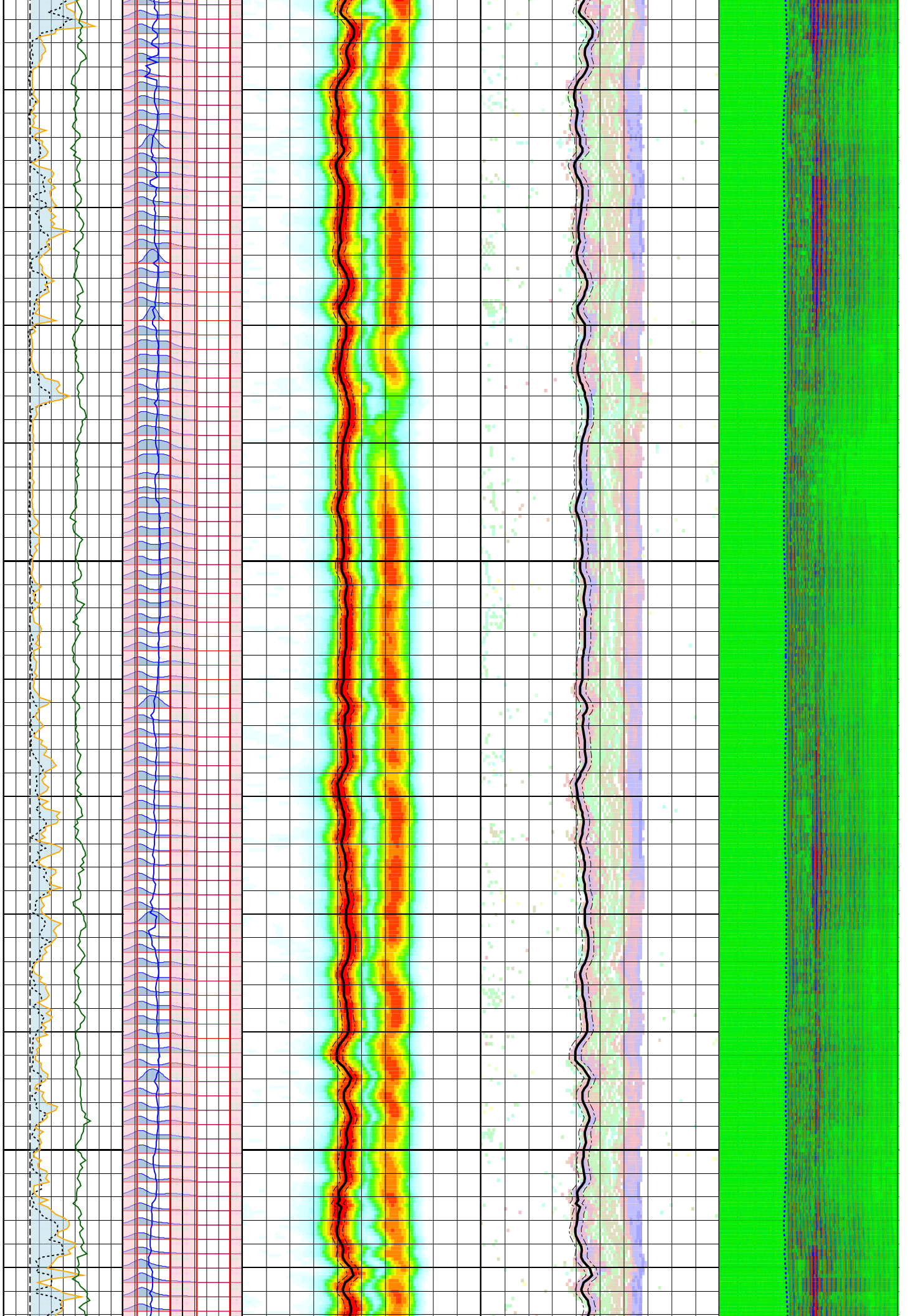
3525





3550

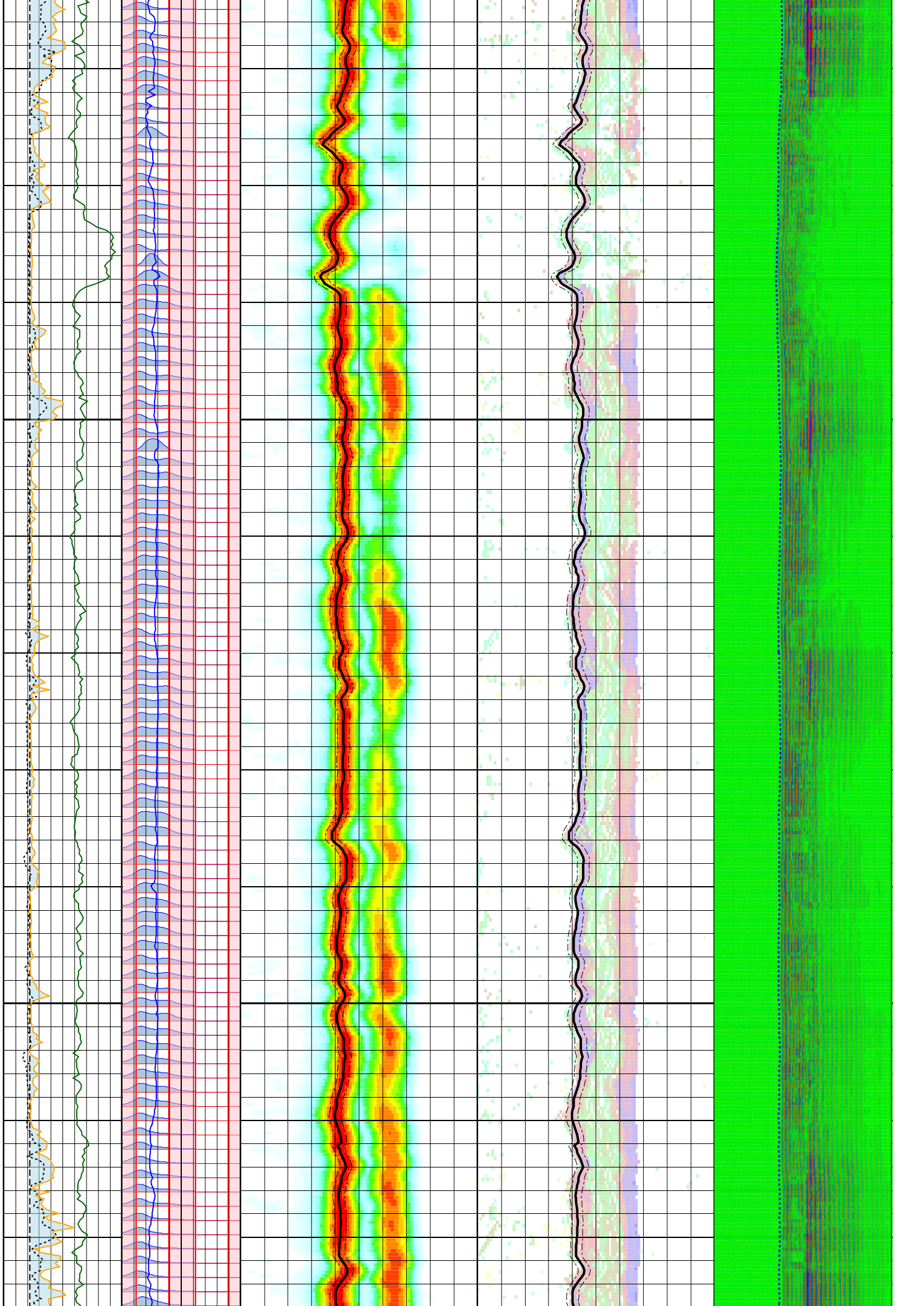
3575





3600

3625



3650

Customized Process: Start Depth (3666.82 m), Stop Depth (2756.31 m), Logging Mode (MSIP-L – MF)  
Noise Cut Filtering(No), Casing Cut Filtering(No)  
WF\_FLG(1 1 1 1 1 1 1 1 1 1 1), MUD\_TYPE(WBM), DTMUD(181), STCAL(Multishot), NRSA(7)  
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@FMI\_NGS\_EMS\_MAXS\_038LUP;2 (3663.09 – 2755.85 m))  
Zoning Guide (DTCO@BestDT-3;2 .MSIP-L .BDT (3666.29 – 2756.15 m))  
Tracking Guide (no input)

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

SFTY(Fast), BHS(OPEN), CSIZ(7), HDM(HDAR), HD(12.25)  
TWI(300), SLL(40), SUL(240), SST(2), TLL(600), TUL(5100), TST(100)  
SBW(2930), SBO(360), SWD(20), TWD(2196), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)  
TKO\_MODEL\_ORDER(3), TKO\_TOL(50) TKO\_FLOW(0), TKO\_FHIGH(12000)

---- Zone Top Depth (2783.74), Zone Name (Zone1\_1) ----

SFTY(Very Slow), BHS(OPEN), CSIZ(7), HDM(HDAR), HD(12.25)  
TWI(300), SLL(40), SUL(240), SST(2), TLL(600), TUL(5100), TST(100)  
SBW(2930), SBO(360), SWD(20), TWD(2196), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)  
TKO\_MODEL\_ORDER(3), TKO\_TOL(50) TKO\_FLOW(0), TKO\_FHIGH(12000)

---- Zone Top Depth (3093.42), Zone Name (Zone1\_2) ----

SFTY(Extremely Slow), BHS(OPEN), CSIZ(7), HDM(HDAR), HD(12.25)  
TWI(300), SLL(40), SUL(240), SST(2), TLL(600), TUL(5100), TST(100)  
SBW(2930), SBO(360), SWD(20), TWD(2196), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)  
TKO\_MODEL\_ORDER(3), TKO\_TOL(50) TKO\_FLOW(0), TKO\_FHIGH(12000)

---- Zone Top Depth (3102.25), Zone Name (Zone1\_3) ----

SFTY(Very Slow), BHS(OPEN), CSIZ(7), HDM(HDAR), HD(12.25)  
TWI(300), SLL(40), SUL(240), SST(2), TLL(600), TUL(5100), TST(100)  
SBW(2930), SBO(360), SWD(20), TWD(2196), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)

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

---- Zone Top Depth (3140.35), Zone Name (Zone1\_4) ----

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

TWI(300), SLL(40), SUL(240), SST(2), TLL(600), TUL(5100), TST(100)

SBW(2930), SBO(360), SWD(20), TWD(2196), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)

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

---- Zone Top Depth (3149.8), Zone Name (Zone1\_5) ----

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

TWI(300), SLL(40), SUL(240), SST(2), TLL(600), TUL(5100), TST(100)

SBW(2930), SBO(360), SWD(20), TWD(2196), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)

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

---- Zone Top Depth (3157.12), Zone Name (Zone1\_6) ----

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

TWI(300), SLL(40), SUL(240), SST(2), TLL(600), TUL(5100), TST(100)

SBW(2930), SBO(360), SWD(20), TWD(2196), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)

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

---- Zone Top Depth (3266.08), Zone Name (Zone1\_7) ----

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

TWI(300), SLL(40), SUL(240), SST(2), TLL(600), TUL(5100), TST(100)

SBW(2930), SBO(360), SWD(20), TWD(2196), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)

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

---- Zone Top Depth (3269.59), Zone Name (Zone1\_8) ----

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

TWI(300), SLL(40), SUL(240), SST(2), TLL(600), TUL(5100), TST(100)

SBW(2930), SBO(360), SWD(20), TWD(2196), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)

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

---- Zone Top Depth (3280.26), Zone Name (Zone1\_9) ----

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

TWI(300), SLL(40), SUL(240), SST(2), TLL(600), TUL(5100), TST(100)

SBW(2930), SBO(360), SWD(20), TWD(2196), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)

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

---- Zone Top Depth (3449.27), Zone Name (Zone1\_10) ----

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

TWI(300), SLL(40), SUL(240), SST(2), TLL(600), TUL(5100), TST(100)

SBW(2930), SBO(360), SWD(20), TWD(2196), SEM(0.35), FLENG(49), FLOW(5000), FHIGH(16000)

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

MD 1 : 200 m	Gamma Ray	CfRS	DtRS		DtRS		TICS
	0 ( gAPI ) 150	-20000 ( Hz ) 20000	40 ( us/ft )	240	40 ( us/ft )	240	0 ( us ) 5110
	TENS	Caliper2	DtRC		DtRC		WF VDL
	10000000 ( in ) 10	0 ( Hz ) 40000	40 ( us/ft )	240	40 ( us/ft )	240	0 ( us ) 5110
	Caliper1	SpcRS	STPrjR		SfaR		
	10 ( in ) 20	-20000 ( Hz ) 20000	40 ( us/ft )	240	40 ( us/ft )	240	
	Bit Size	SpcRC					
	10 ( in ) 20	0 ( Hz ) 40000					
	Wash Out						

Company: CDEX

Well: C0009A

FIELD: Kumanonada, Offshore Kii peninsula

Rig: Chikyu





Prefecture:	Wakayama		
Date Logged:	11-Jul-2009	Date Processed:	14-July-2009
Well Location:	NanKai Trough NT2-11B		
Elevations:	KB:	DF:	GL:
API Number:		Job Number:	