



GEOFRAME
PROCESSED
INTERPRETATION

BestDT*

QC Plot – MSIP–L MF MST

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
Rmf @ Measured Temperature: @	Type Fluid in Hole:	KCl–NaCl Polymer
Rmc @ Measured Temperature: @	Mud Density: 1.1g/cm3	

Remarks:

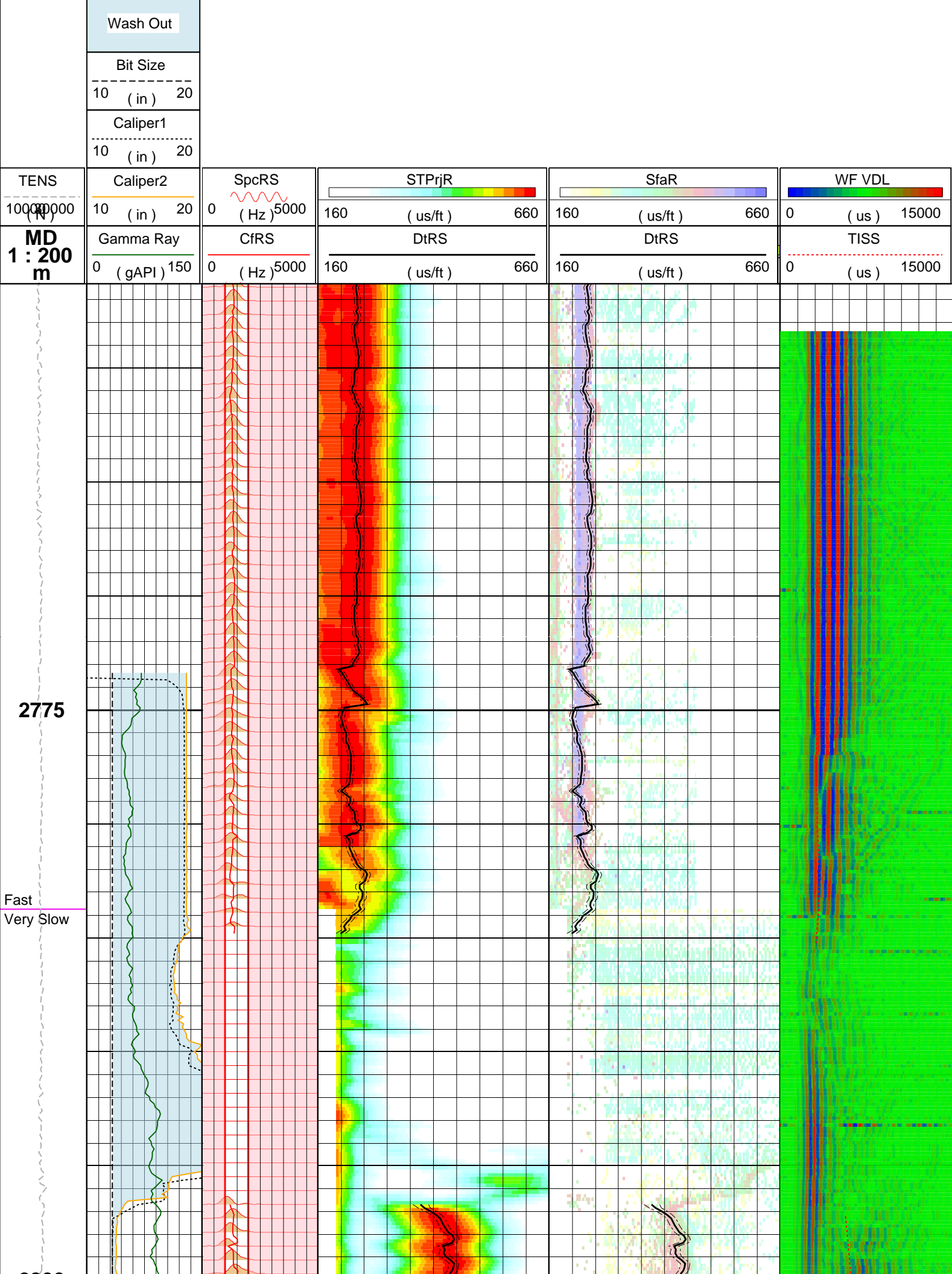
First log in the well.

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.

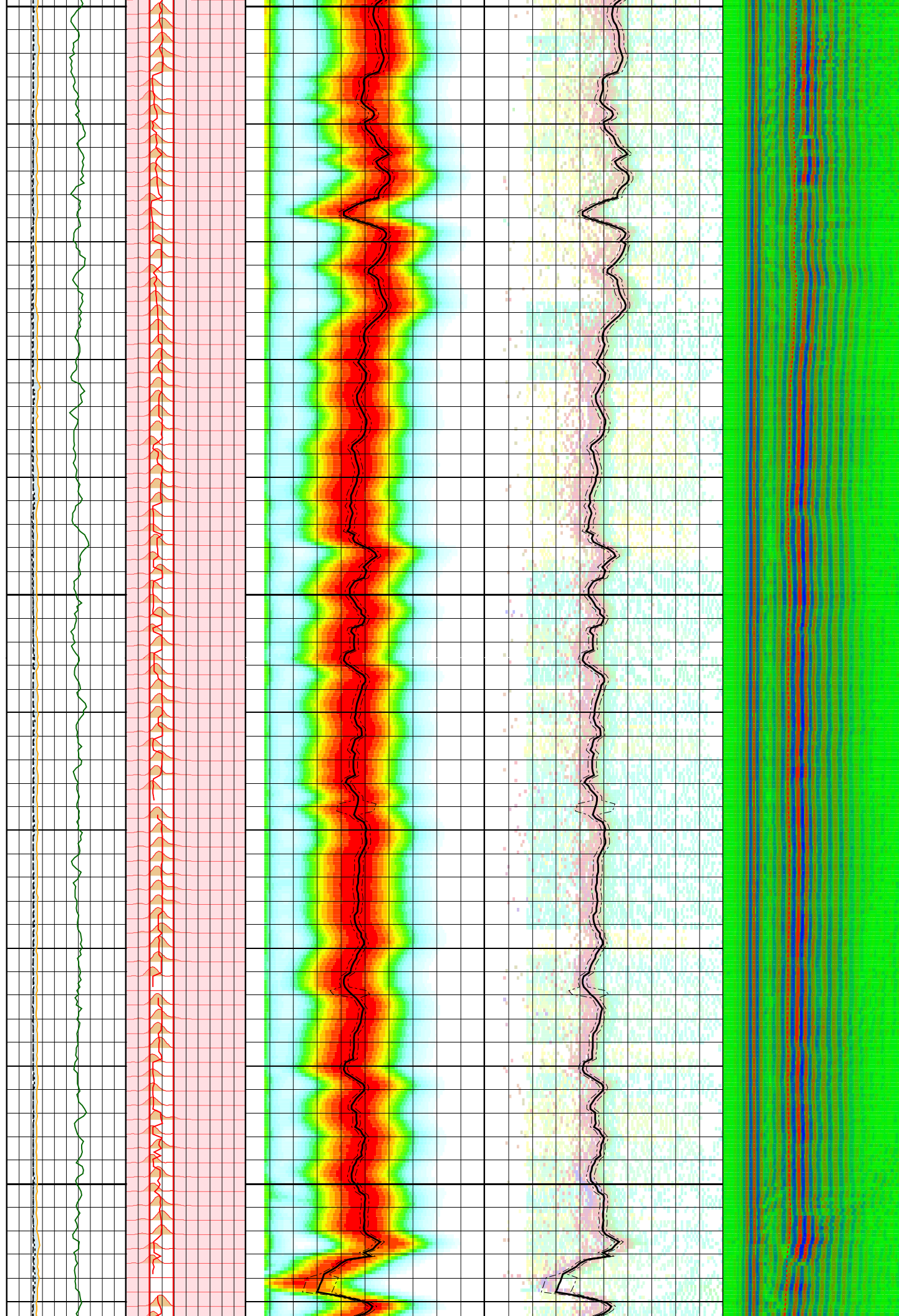
Maximum deviation = 0.70 deg @ 2749.79mBRT.



2800

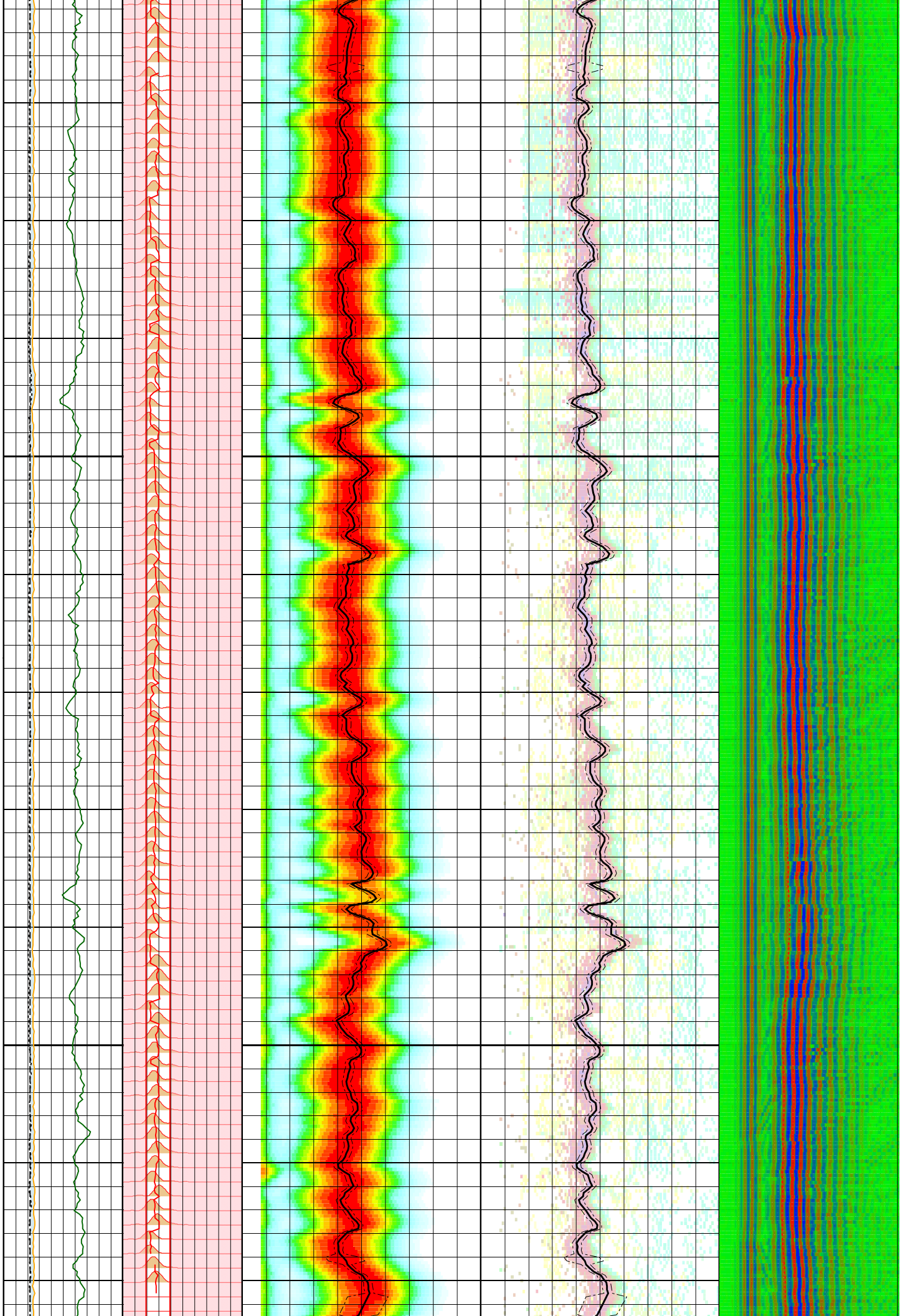
2825

2850



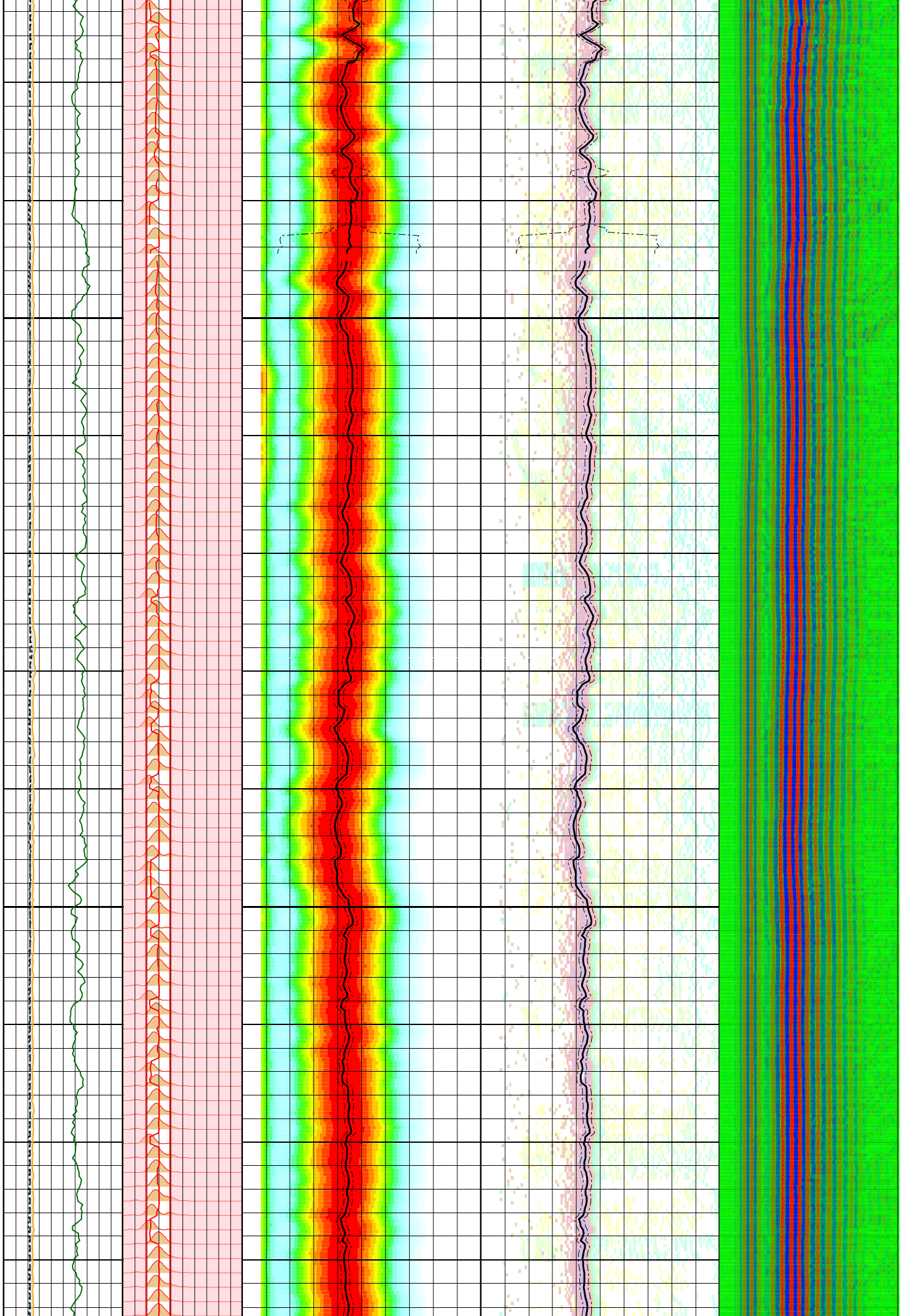
2875

2900



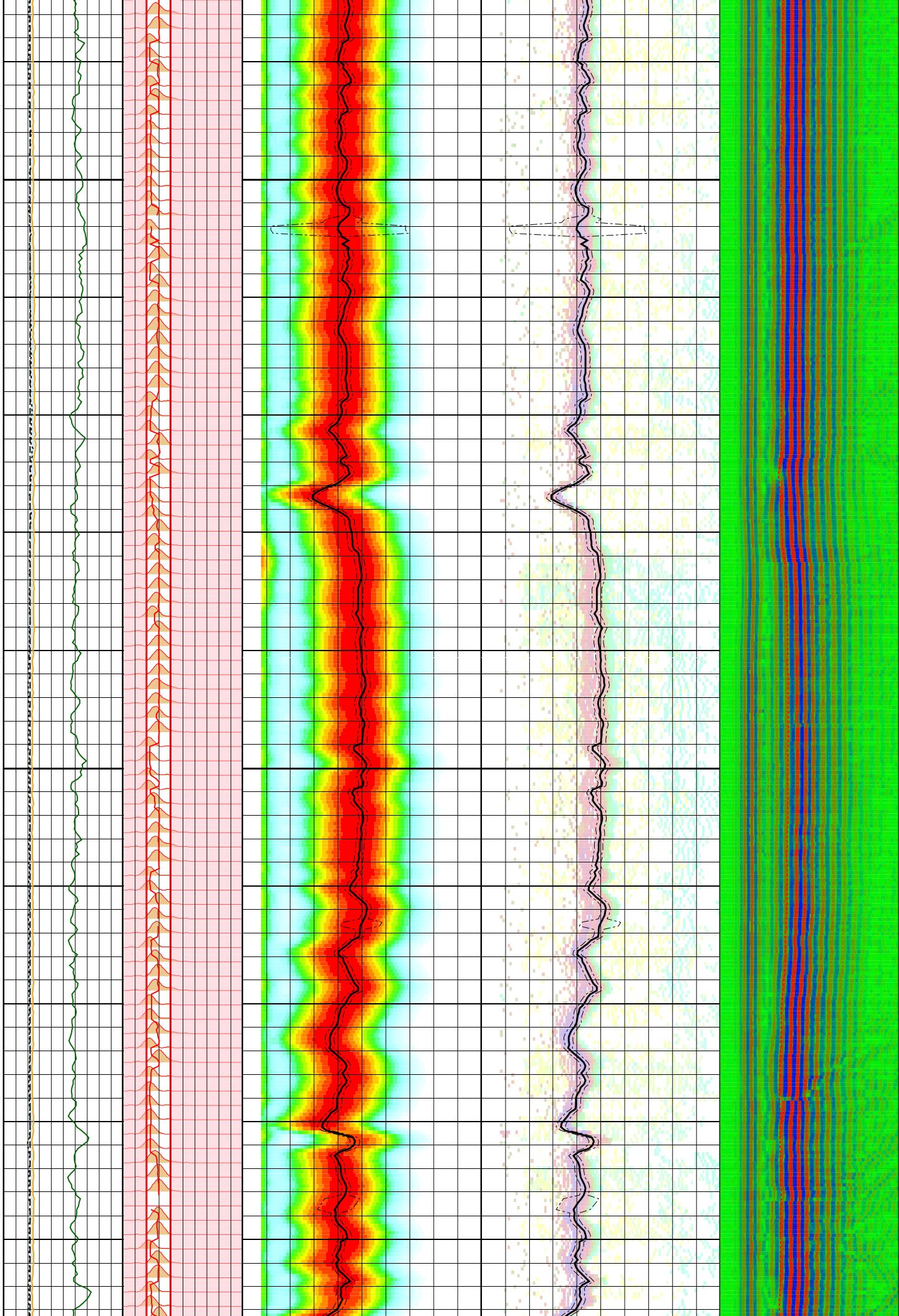
2925

2950



2975

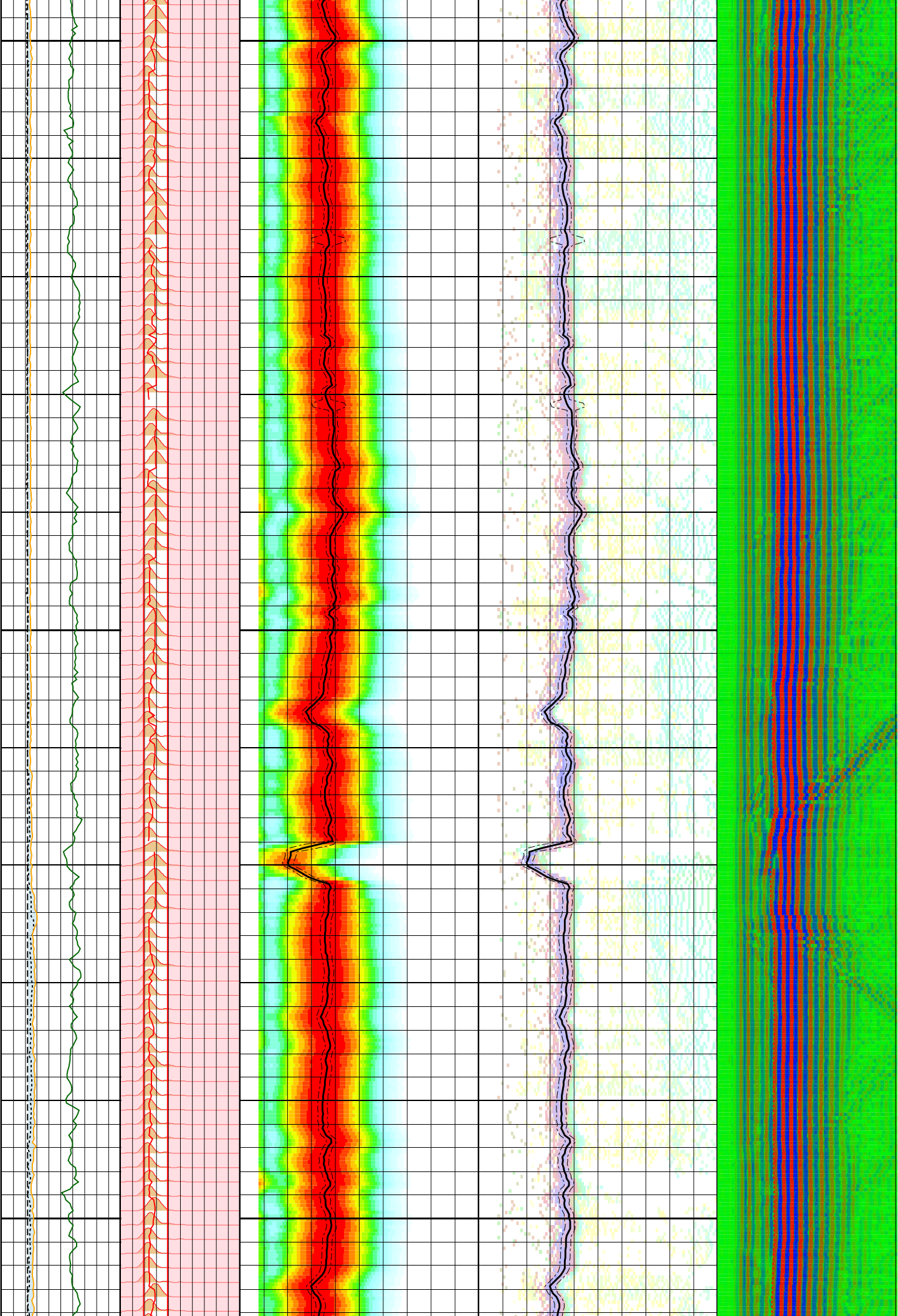
3000

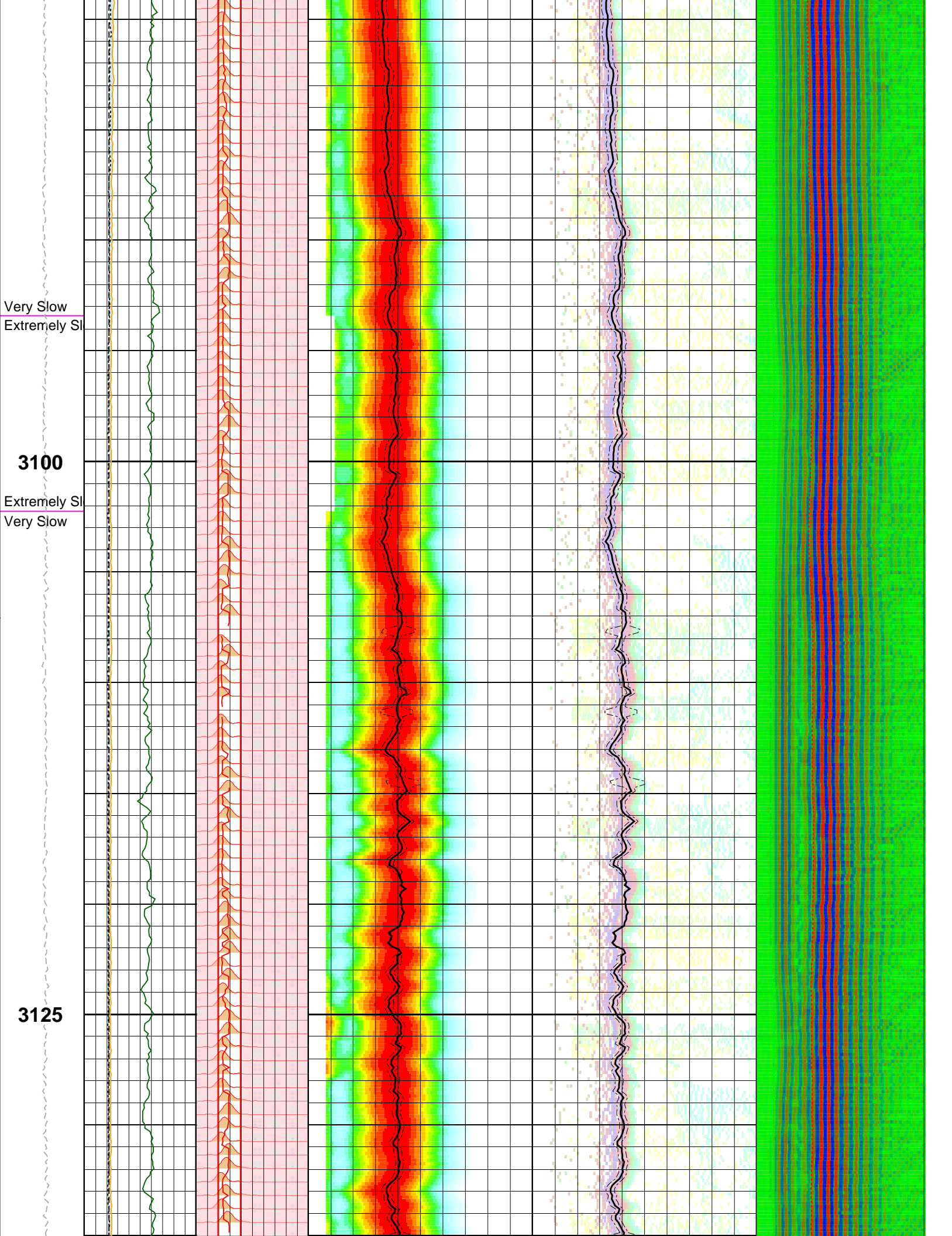


3025

3050

3075



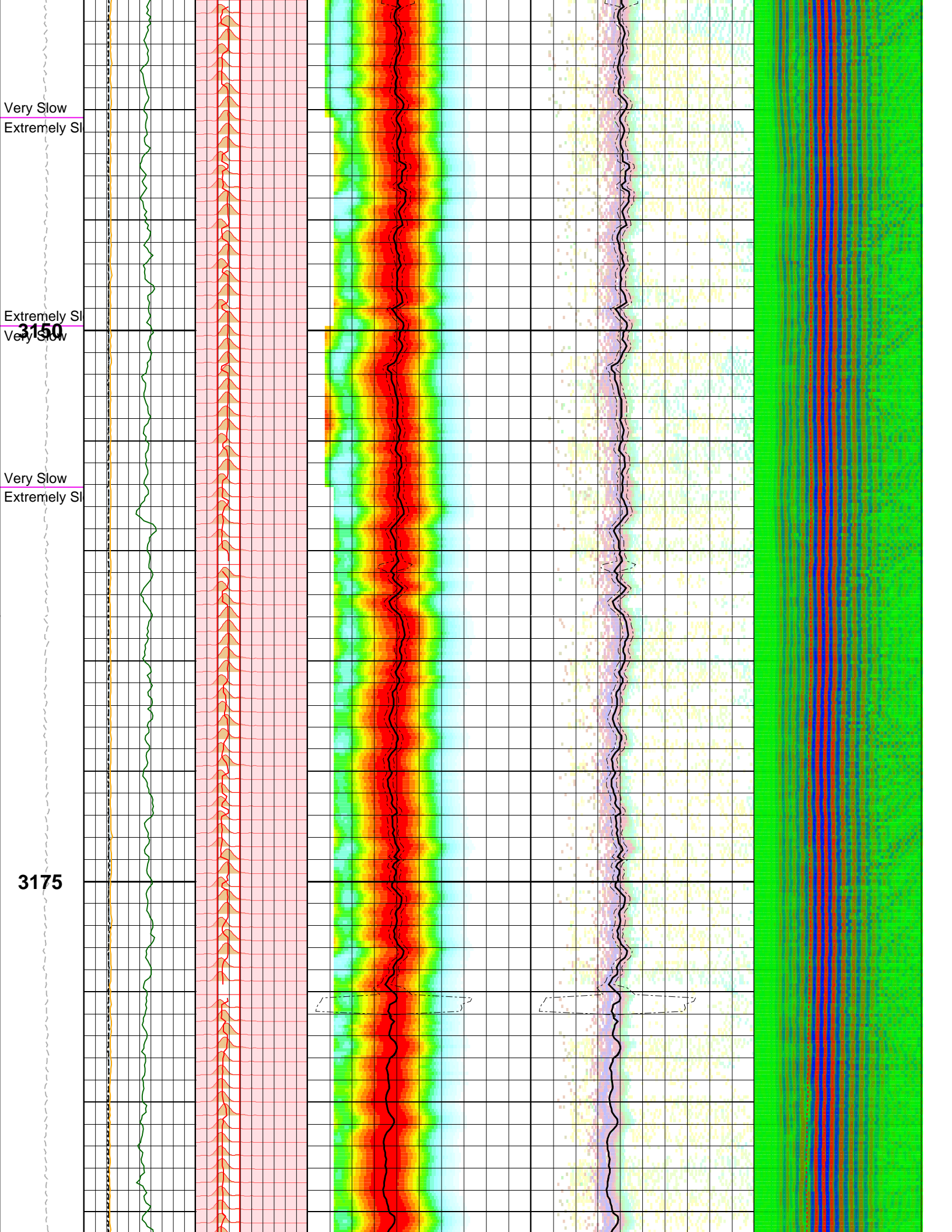


Very Slow
Extremely Sl

Extremely Sl
Very Slow

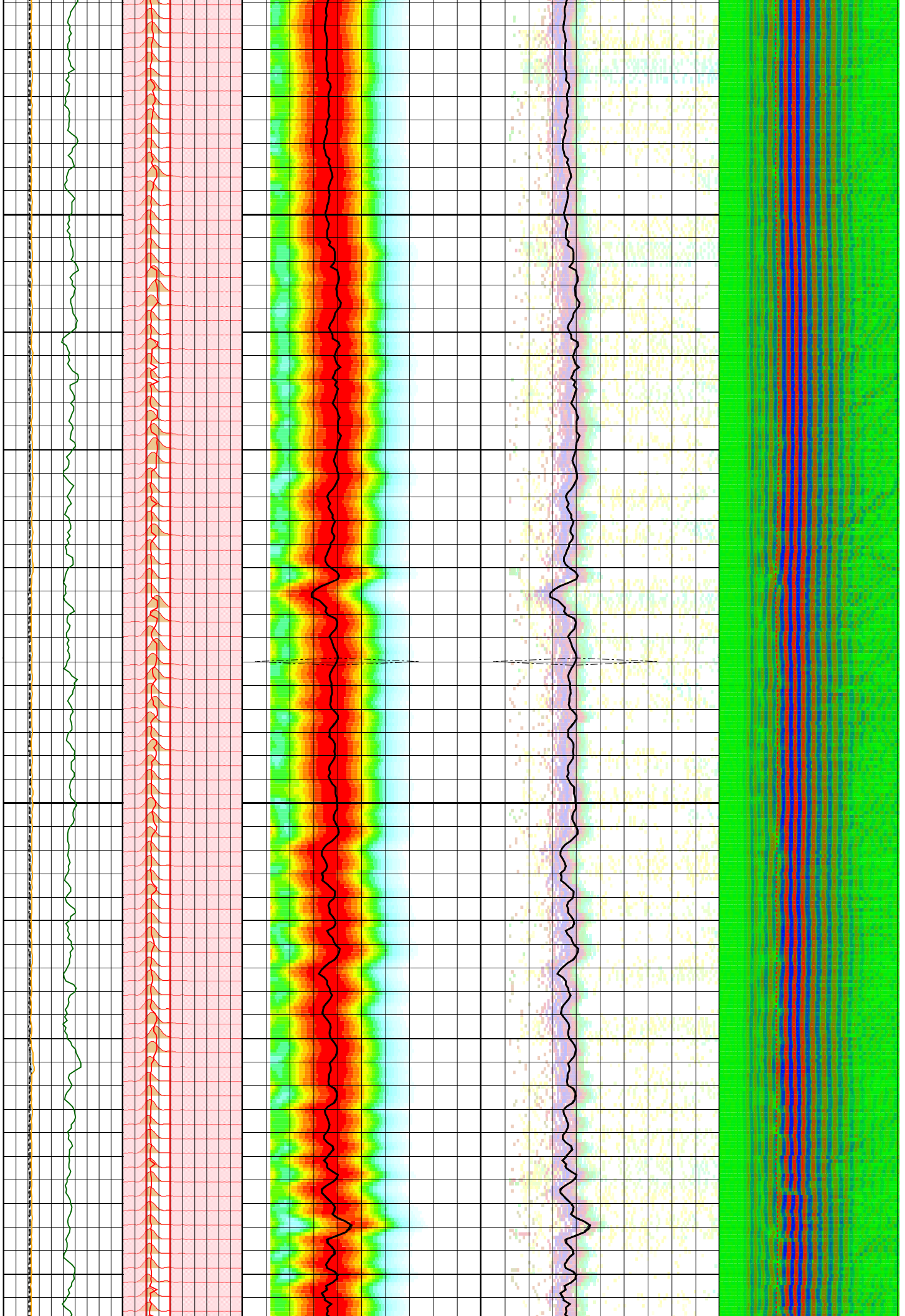
Very Slow
Extremely Sl

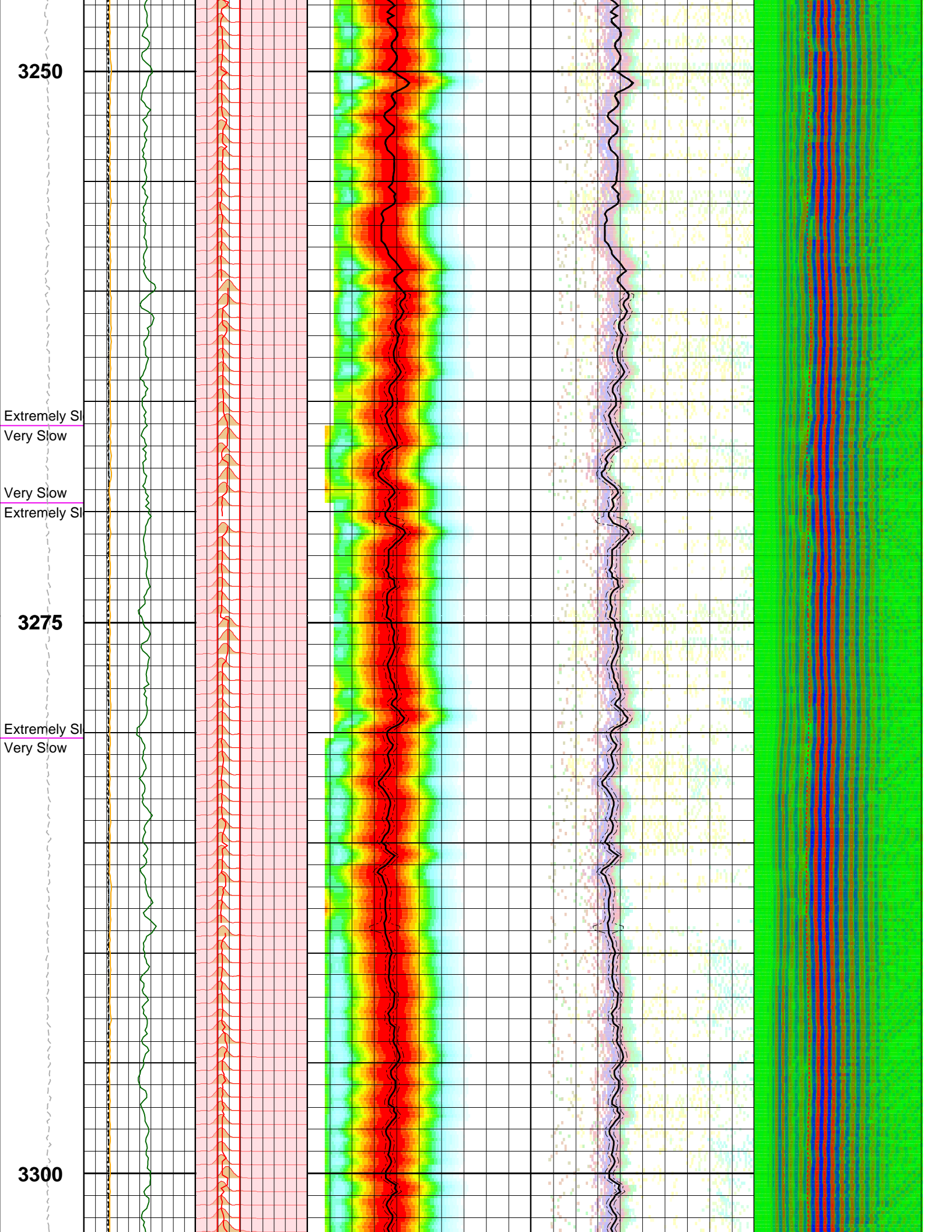
3175



3200

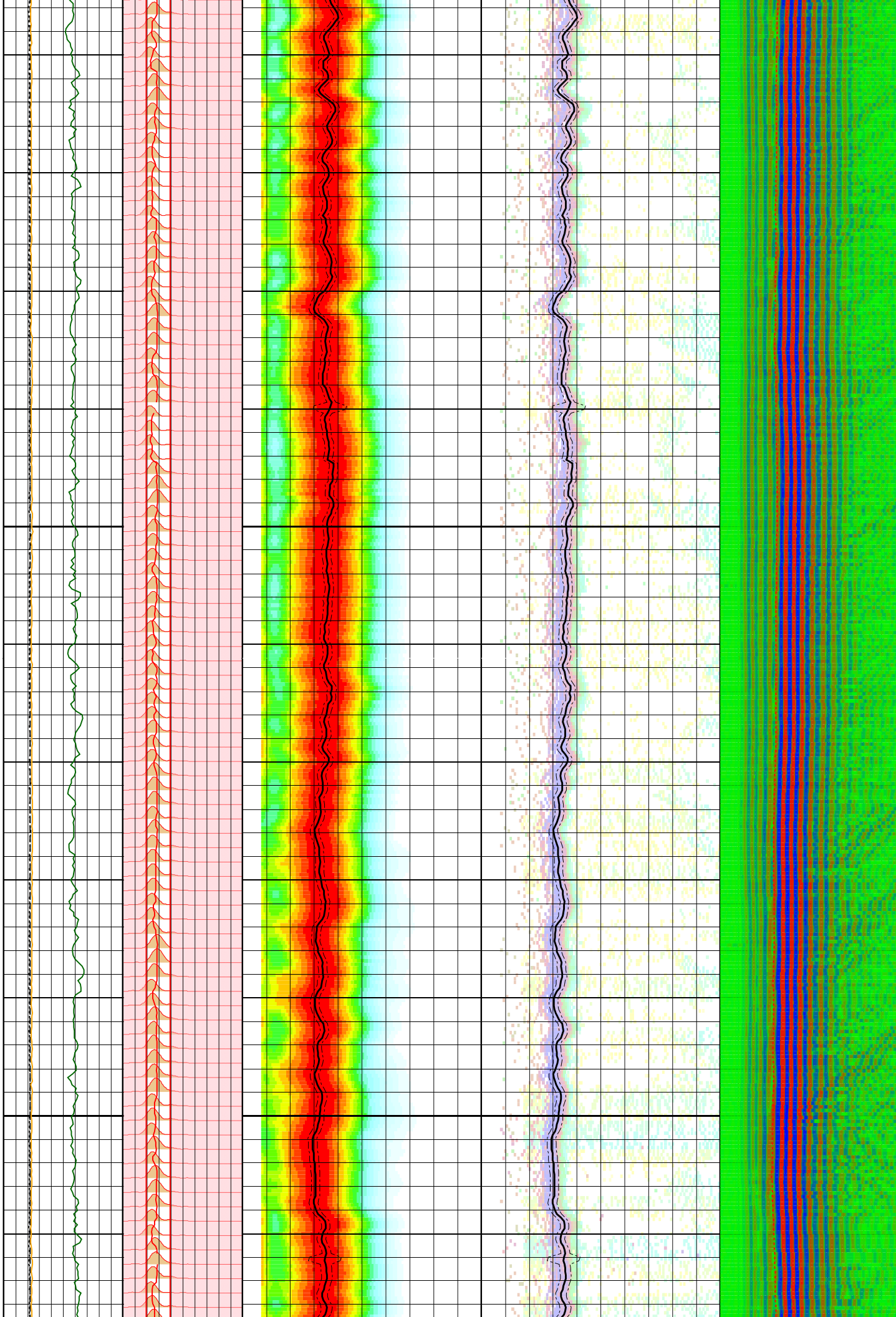
3225





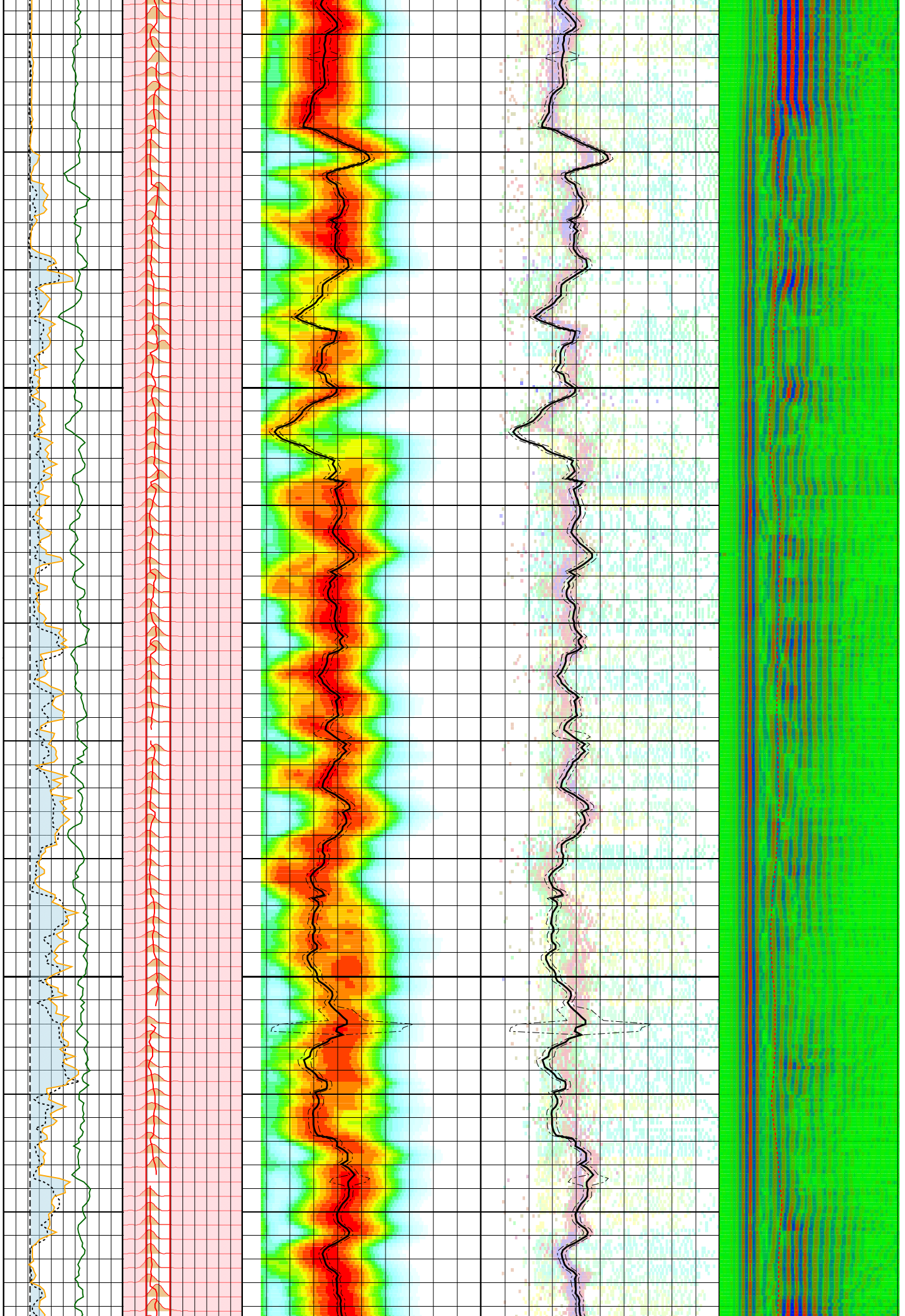
3325

3350



3375

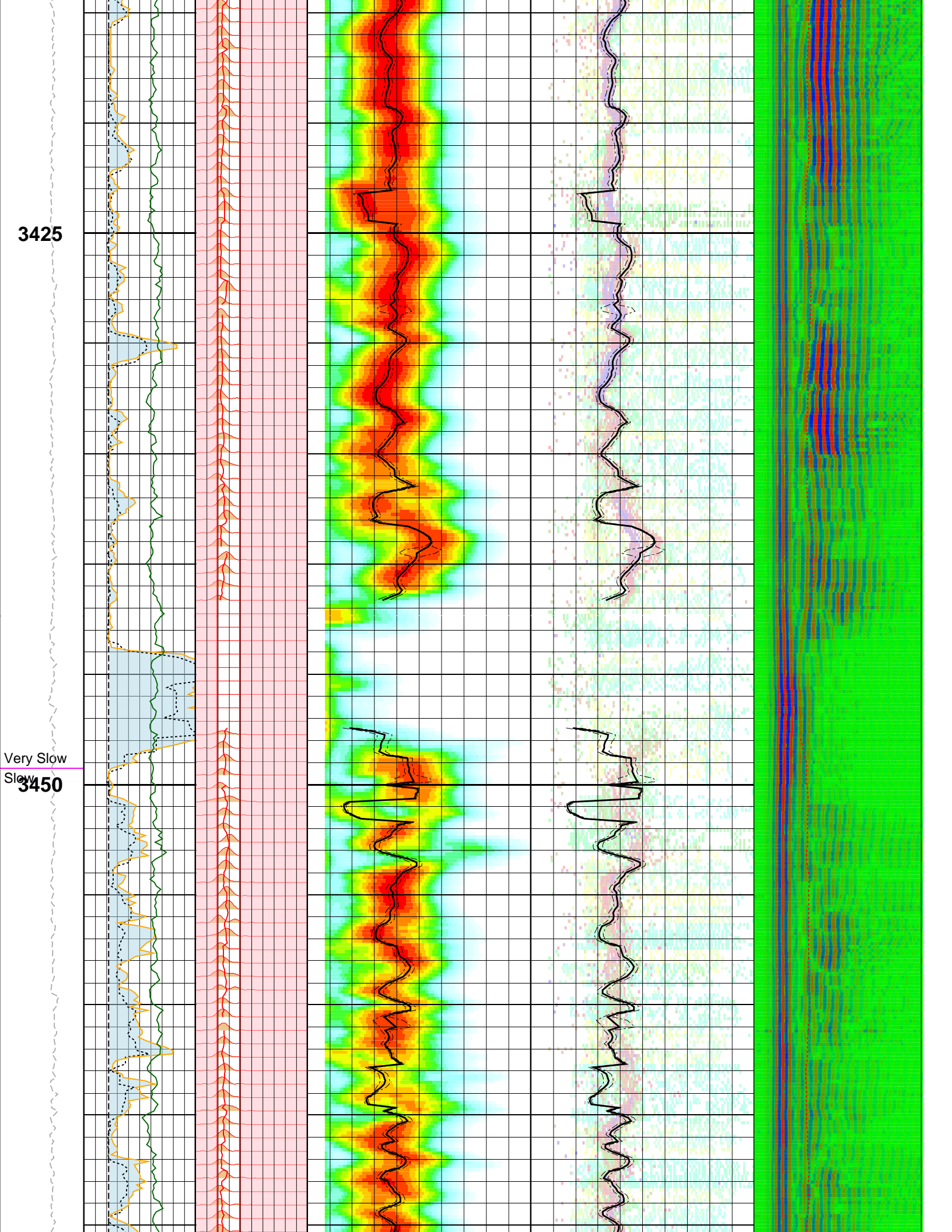
3400



3425

Very Slow
Slow

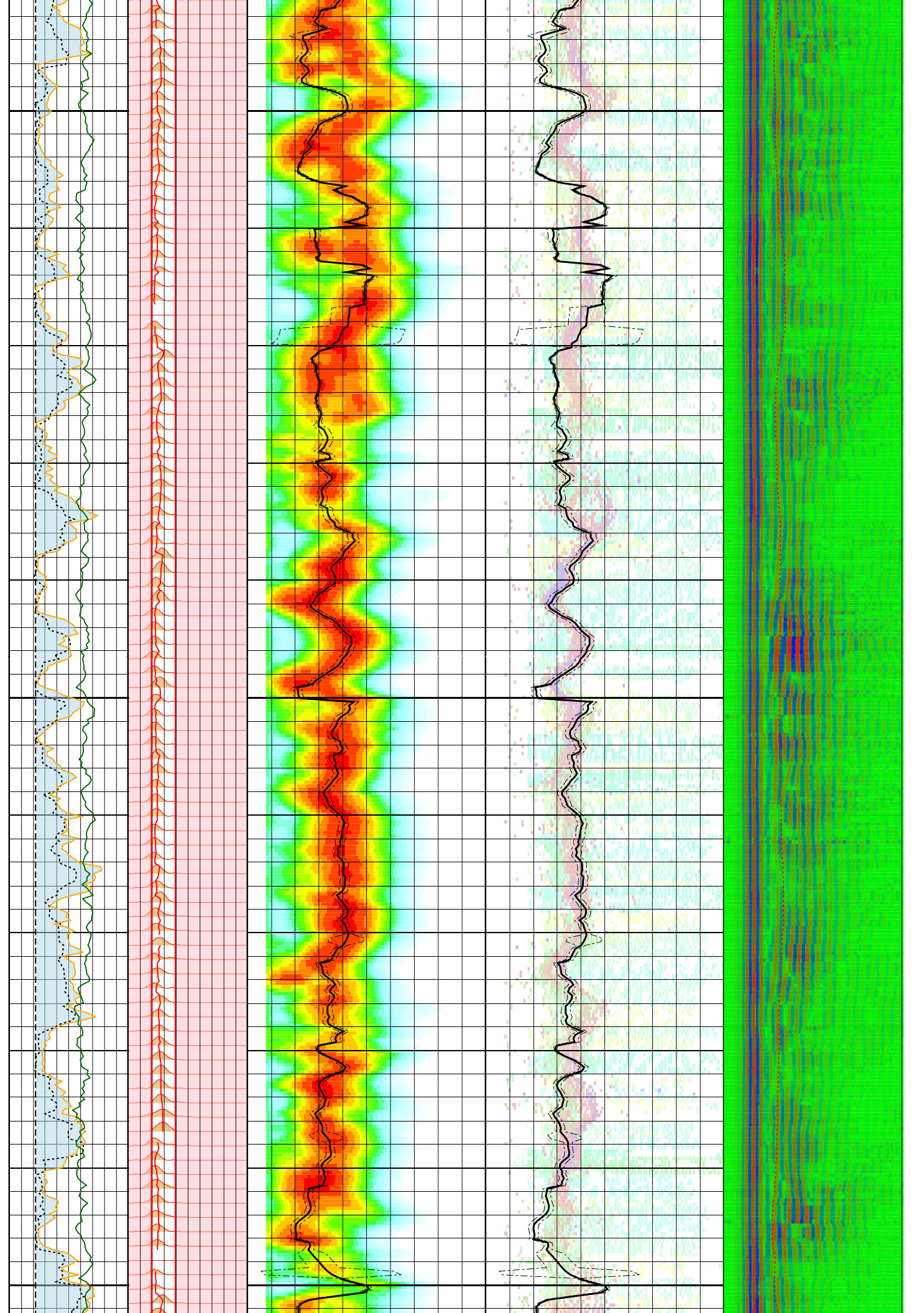
3450



3475

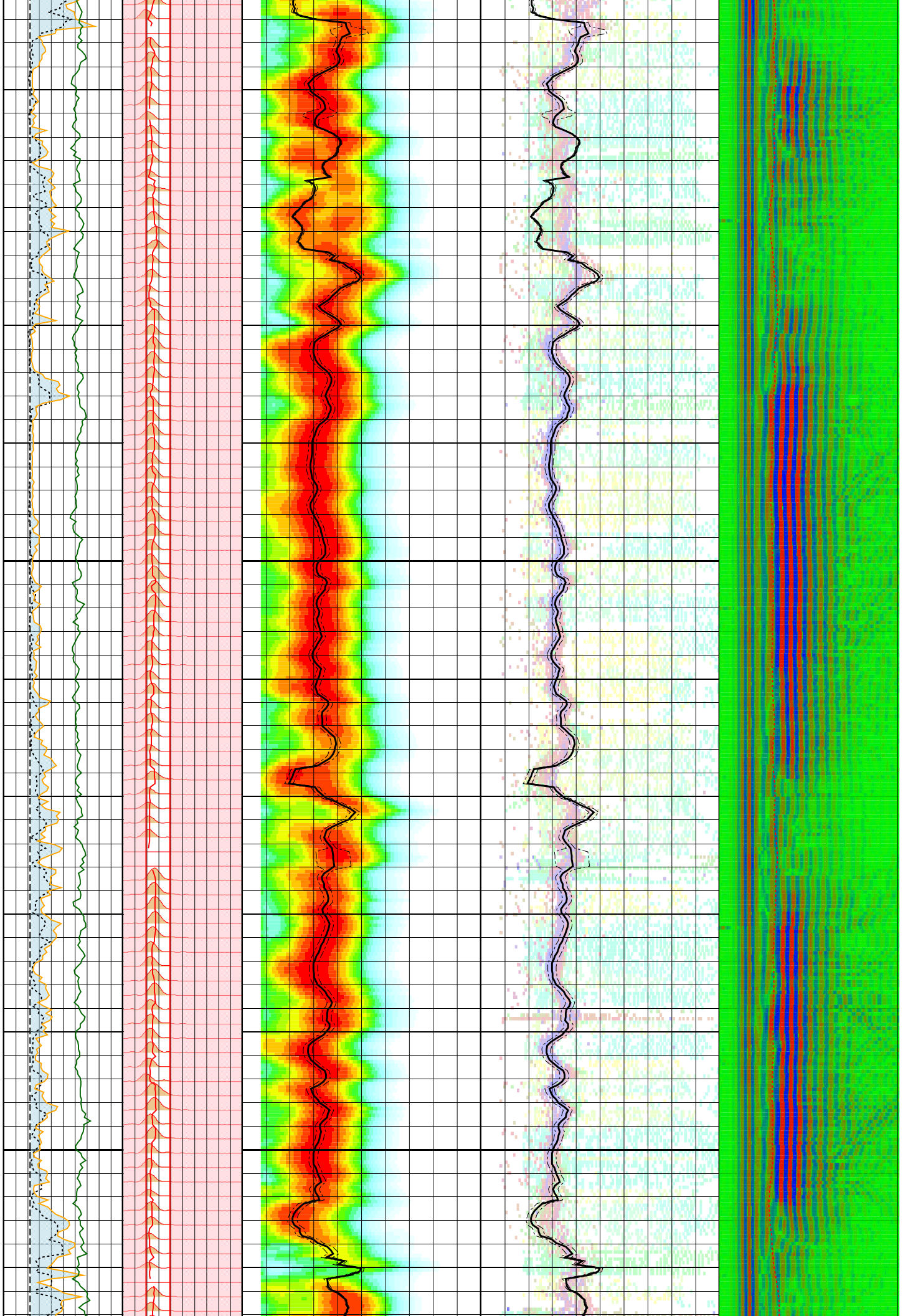
3500

3525



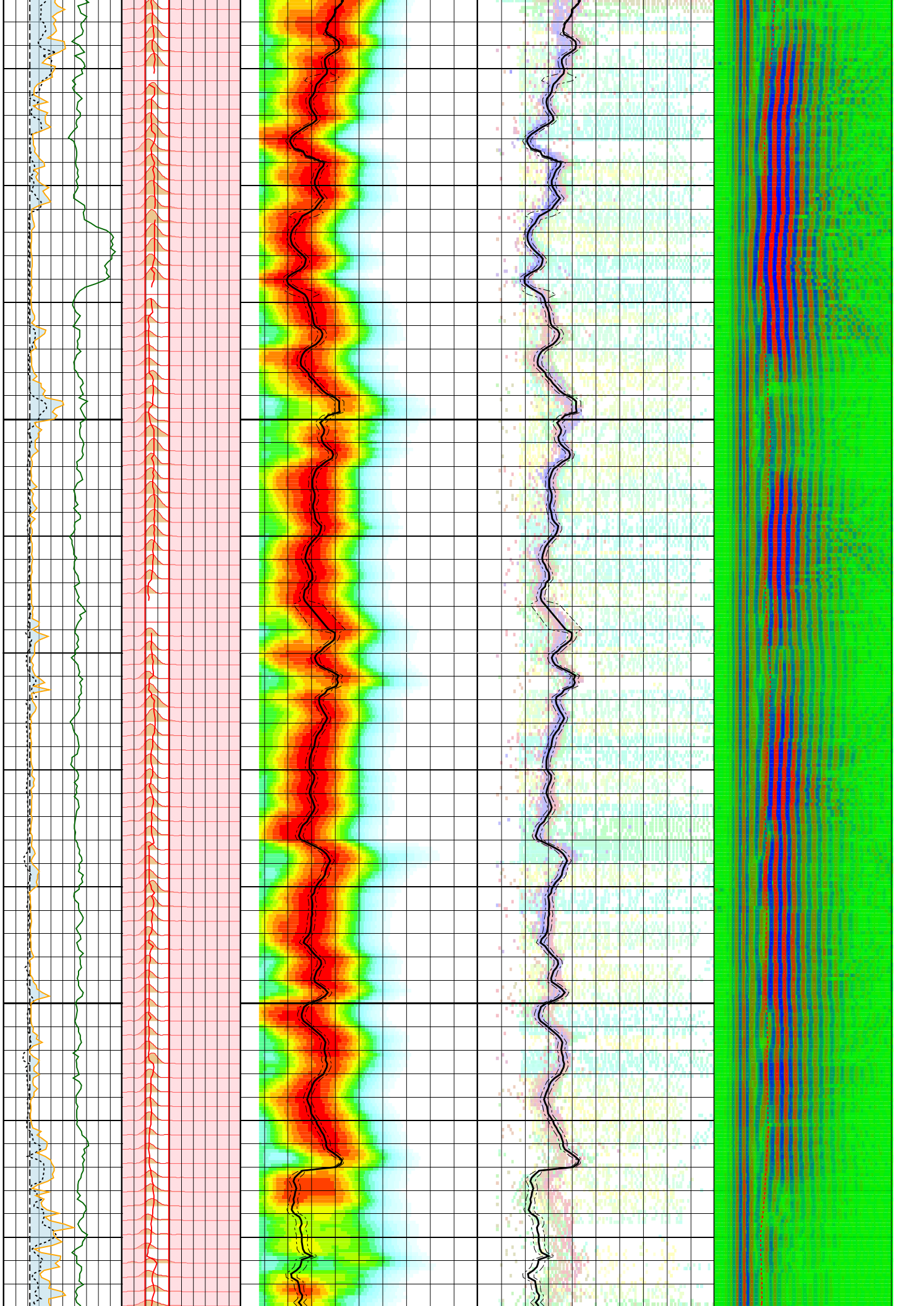
3550

3575



3600

3625



3650

Customized Process: Start Depth (3666.82 m), Stop Depth (2756.31 m), Logging Mode (MSIP-L – MF MST)
Noise Cut Filtering(No)
WF_FLG(1 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 (DTRP@BestDT-3;4 .CO .MF_MONO .MP_MF_D .MS3 .FMI_NGS_EMS_MAXS_038LUP .MAST_DWPC_MS

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

SFTY(Fast), BHS(OPEN), CSIZ(7), HDM(HDAR), HD(12.25)
TWI(1800), SLL(160), SUL(480), SST(4), TLL(2400), TUL(13200), TST(400)
SBW(9360), SBO(1920), SWD(60), TWD(7020), SEM(0.35), FLENG(91), FLOW(1000), FHIGH(2000)
TKO_MODEL_ORDER(3), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(8000)

---- Zone Top Depth (2783.74), Zone Name (Zone1_1) ----

SFTY(Very Slow), BHS(OPEN), CSIZ(7), HDM(HDAR), HD(12.25)
TWI(1800), SLL(200), SUL(1200), SST(4), TLL(2800), TUL(20400), TST(400)
SBW(9360), SBO(1920), SWD(60), TWD(7020), SEM(0.35), FLENG(91), FLOW(1000), FHIGH(2000)
TKO_MODEL_ORDER(3), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(8000)

---- Zone Top Depth (3093.42), Zone Name (Zone1_2) ----

SFTY(Extremely Slow), BHS(OPEN), CSIZ(7), HDM(HDAR), HD(12.25)
TWI(1800), SLL(220), SUL(1600), SST(4), TLL(3200), TUL(20400), TST(400)
SBW(9360), SBO(1920), SWD(60), TWD(7020), SEM(0.35), FLENG(91), FLOW(1000), FHIGH(2000)
TKO_MODEL_ORDER(3), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(8000)

---- Zone Top Depth (3102.25), Zone Name (Zone1_3) ----

SFTY(Very Slow), BHS(OPEN), CSIZ(7), HDM(HDAR), HD(12.25)
TWI(1800), SLL(200), SUL(1200), SST(4), TLL(2800), TUL(20400), TST(400)
SBW(9360), SBO(1920), SWD(60), TWD(7020), SEM(0.35), FLENG(91), FLOW(1000), FHIGH(2000)

TKO_MODEL_ORDER(3), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(8000)

---- Zone Top Depth (3140.35), Zone Name (Zone1_4) ----

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

TWI(1800), SLL(220), SUL(1600), SST(4), TLL(3200), TUL(20400), TST(400)

SBW(9360), SBO(1920), SWD(60), TWD(7020), SEM(0.35), FLENG(91), FLOW(1000), FHIGH(2000)

TKO_MODEL_ORDER(3), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(8000)

---- Zone Top Depth (3149.8), Zone Name (Zone1_5) ----

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

TWI(1800), SLL(200), SUL(1200), SST(4), TLL(2800), TUL(20400), TST(400)

SBW(9360), SBO(1920), SWD(60), TWD(7020), SEM(0.35), FLENG(91), FLOW(1000), FHIGH(2000)

TKO_MODEL_ORDER(3), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(8000)

---- Zone Top Depth (3157.12), Zone Name (Zone1_6) ----

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

TWI(1800), SLL(220), SUL(1600), SST(4), TLL(3200), TUL(20400), TST(400)

SBW(9360), SBO(1920), SWD(60), TWD(7020), SEM(0.35), FLENG(91), FLOW(1000), FHIGH(2000)

TKO_MODEL_ORDER(3), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(8000)

---- Zone Top Depth (3266.08), Zone Name (Zone1_7) ----

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

TWI(1800), SLL(200), SUL(1200), SST(4), TLL(2800), TUL(20400), TST(400)

SBW(9360), SBO(1920), SWD(60), TWD(7020), SEM(0.35), FLENG(91), FLOW(1000), FHIGH(2000)

TKO_MODEL_ORDER(3), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(8000)

---- Zone Top Depth (3269.59), Zone Name (Zone1_8) ----

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

TWI(1800), SLL(220), SUL(1600), SST(4), TLL(3200), TUL(20400), TST(400)

SBW(9360), SBO(1920), SWD(60), TWD(7020), SEM(0.35), FLENG(91), FLOW(1000), FHIGH(2000)

TKO_MODEL_ORDER(3), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(8000)

---- Zone Top Depth (3280.26), Zone Name (Zone1_9) ----

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

TWI(1800), SLL(200), SUL(1200), SST(4), TLL(2800), TUL(20400), TST(400)

SBW(9360), SBO(1920), SWD(60), TWD(7020), SEM(0.35), FLENG(91), FLOW(1000), FHIGH(2000)

TKO_MODEL_ORDER(3), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(8000)

---- Zone Top Depth (3449.27), Zone Name (Zone1_10) ----

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

TWI(1800), SLL(200), SUL(900), SST(4), TLL(2800), TUL(18800), TST(400)

SBW(9360), SBO(1920), SWD(60), TWD(7020), SEM(0.35), FLENG(91), FLOW(1000), FHIGH(2000)

TKO_MODEL_ORDER(3), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(8000)

MD 1 : 200 m	Gamma Ray	CfRS	DtRS		DtRS		TISS
	0 (gAPI) 150	0 (Hz) 5000	160 (us/ft) 660	160 (us/ft) 660	0 (us) 15000		
TENS	Caliper2	SpcRS	STPrjR		SfaR		WF VDL
10000000 (N)	10 (in) 20	0 (Hz) 5000	160 (us/ft) 660	160 (us/ft) 660	0 (us) 15000		
	Caliper1						
	10 (in) 20						
	Bit Size						
	10 (in) 20						
	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:	