



Pump time:39.2hrs  
Drill time:27.24hrs

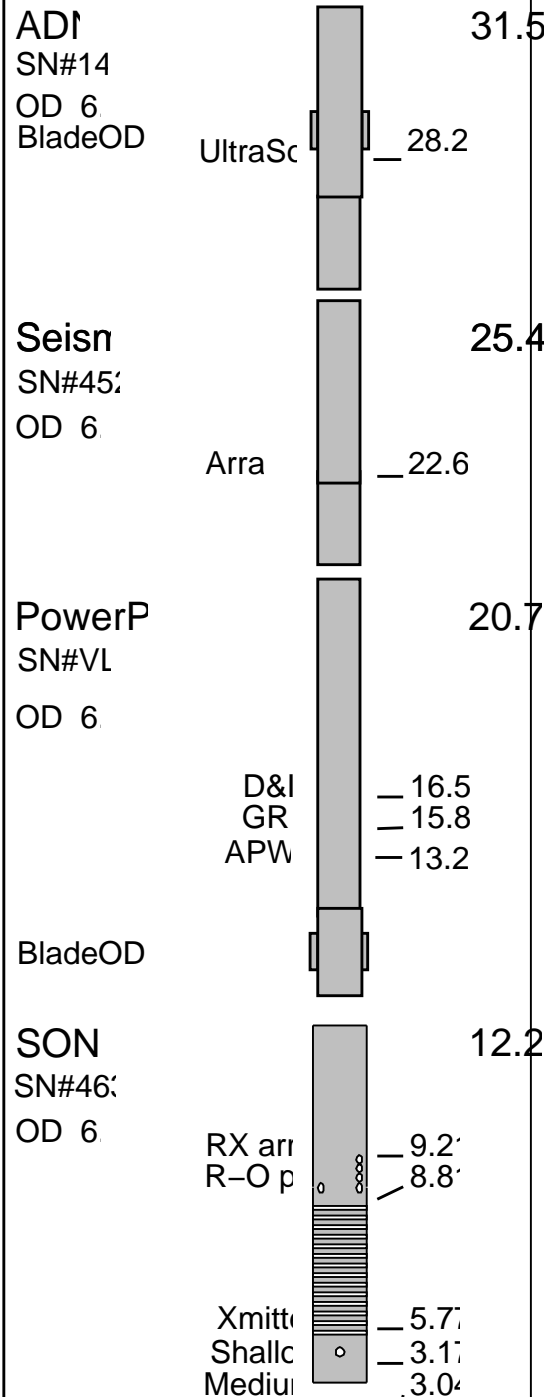
### EQUIPMENT DESCRIPTION

RUN1

RUN

RUN

C000  
DOWNHOLE E





Variable Name	Variable Description	Run Name & Value
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Run Number

1

**General Information**

BHT_RM	Bottom Hole Temperature (RM)	58.999992	
BSAL_RM	Mud Salinity (RM)	0.000000	
BS_RM	Bit Size (RM)	8.500000	
COEF_M	User Defined FEXP in Clean Sand	1.650000	
C_WS	Overpressure correction to Sw and M	1.000000	
FEXP	Formation Factor Exponent(RM)	2.000000	
FNUM	Formation Factor Enumerator(RM)	1.000000	
FPHI_RM	Formation Factor Porosity Source (RM)	XPLOT	
MST_RM	Mud Sample temperature (RM)	75.000000	
MW_RM	Mud Weight (RM)	8.762706	
OBMF_RM	Oil Based Mud (RM)	NO	
RHOF_RM	Mud Filtrate Density (RM)	1.000000	
RHOM_RM	Matrix density (RM)	2.650000	
RMS_RM	Resistivity of Mud Sample (RM)	0.080000	
RWA_COMP_M	Rwa computation model	BASIC	
RWA_DEN_AD	Rwa Density Input ADN	RHOB	
RWA_DEN_CD	Rwa Density Input CDN	RHOB	
RWA_DEN_IN	Rwa Density Input	RHOB	
RWA_FORM_M	Rwa computation formation model	CLASTIC	
RWA_RES_IN	Rwa computation resistivity input	RT	
RWS_RM	Resistivity of Connate Water (RM)	1.000000	
SHT_RM	Surface Hole Temperature (RM)	4.000000	
TD_RM	Total Measured Depth (RM)	15700.458984	
TWS_RM	Temperature of Connate Water (RM)	75.000000	
VF_ILLI	Fraction of illite in shales	0.500000	
VF_KAOL	Fraction of kaolinite in shales	0.500000	
VF_MONT	Fraction of montmorillonite in shales	0.000000	
XPDM_RM	Cross plot density porosity multiplier	0.675000	
XPNM_RM	Cross plot neutron porosity multiplier	0.325000	
LWD_RM/STATION_FILE/PARAMETER	Station Time-frame file name		Station
SHT_RM	Ground Level Temperature (Mud-Line When Offshore ) (RM)	39.200008	

**RAB**

RAB/BTN_SLV_SIZE/PARAMETER	RAB: Button Sleeve Diameter	8.125000	
RAB/STAB_SIZE/PARAMETER	RAB: Stabilizer Diameter	8.250000	
BDBHCA	RAB: Button Deep Borehole A Factor	0.004137	
BDBHCB	RAB: Button Deep Borehole B Factor	0.000000	
BHA_COEF_V	RAB: BHA Coef Generator Version	62012.000000	
BITBHCA	RAB: Bit A Borehole Factor	0.075625	
BITBHCB	RAB: Bit B Borehole Factor	0.000000	
BIT_K_FACT	RAB: Bit K Factor	3.677906	
BMBHCA	RAB: Button Medium Borehole A Factor	0.023011	
BMBHCB	RAB: Button Medium Borehole B Factor	0.000000	
BSBHCA	RAB: Button Shallow Borehole A Factor	0.022661	
BSBHCB	RAB: Button Shallow Borehole B Factor	0.000000	
BUT_KIMP_A	RAB: Button Impedance Coeff A	0.000000	
BUT_KIMP_B	RAB: Button Impedance Coeff B	0.000000	
DBUTTON_K	RAB: Button Deep K factor	0.004842	
DHS_VERSION	RAB: DownHole Software Version	6.200100	
GR_BHC_TOO	RAB: Gamma-Ray Borehole Coeff 1	6.750000	
HI_CSDEPTH	RAB: Allow Hi-Resolution CS_DEPTH Image Data Output		NO
HI_DLIS_OU	RAB: Allow Hi-Resolution DLIS Image Data Output		NO
HI_RIVER_O	RAB: Allow Hi-Resolution River for Image Data Output		NO
IMAGE_MAX_	RAB: GR Image Maximum Scale Value	120.000000	
IMAGE_MAX_	RAB: Image Maximum Resistivity Value	100.000000	
IMAGE_MIN_	RAB: GR Image Minimum Scale Value	20.000000	
IMAGE_MIN_	RAB: Image Minimum Resistivity Value	1.000000	
JSD_RAB	RAB Acquisition start date	1.000000	
KPER	Potassium Concentration (RM)	0.000000	
MAG_DECL_R	RAB: Magnetic Declination	-6.450015	
MAG_INCL_R	RAB: Magnetic Dip	46.369991	
MBUTTON_K_	RAB: Button Medium K Factor	0.005513	
OBM	RAB: Oil base Mud	NO	
ORIENTATIO	Rab Image Orientation		NORTH
RABBDA0	RAB: Button Deep A0 Coeff	-0.030691	
RABBDA1	RAB: Button Deep A1 Coeff	0.015744	
RABBDA2	RAB: Button Deep A2 Coeff	-0.004243	
RABBDA3	RAB: Button Deep A3 Coeff	0.000496	
RABBDA4	RAB: Button Deep A4 Coeff	-0.000020	
RABBDA5	RAB: Button Deep A5 Coeff	0.000000	
RABDMIN	RAB: Button Deep Minimum Value	0.051343	
RABBITA0	RAB: Bit A0 Coeff	0.532584	
RABBITA1	RAB: Bit A1 Coeff	-0.414756	
RABBITA2	RAB: Bit A2 Coeff	0.194740	
RABBITA3	RAB: Bit A3 Coeff	-0.040585	
RABBITA4	RAB: Bit A4 Coeff	0.003077	
RABBITA5	RAB: Bit A5 Coeff	0.000000	
RABBITMIN	RAB: Bit Minimum Value	19.048689	
RABBMA0	RAB: Button Medium A0 Coeff	-0.040729	
RABBMA1	RAB: Button Medium A1 Coeff	0.019579	
RABBMA2	RAB: Button Medium A2 Coeff	-0.004984	
RABBMA3	RAB: Button Medium A3 Coeff	0.000557	
RABBMA4	RAB: Button Medium A4 Coeff	-0.000022	
RABBMA5	RAB: Button Medium A5 Coeff	0.000000	
RABMMIN	RAB: Button Medium Minimum Value	0.059755	
RABBSA0	RAB: Button Shallow A0 Coeff	-0.056418	
RABBSA1	RAB: Button Shallow A1 Coeff	0.026201	

RABBSA2	RAB: Button Shallow A2 Coeff	-0.006372	
RABBSA3	RAB: Button Shallow A3 Coeff	0.000684	
RABBSA4	RAB: Button Shallow A4 Coeff	-0.000026	
RABBSA5	RAB: Button Shallow A5 Coeff	0.000000	
RABBSMIN	RAB: Button Shallow Minimum Value	0.086749	
RABDHS	RAB Down Hole Software	4.000000	
RABEC	RAB: Resistivity Env-Cor	YES	
RABRNGA0	RAB: RING A0 Coeff	-0.023936	
RABRNGA1	RAB: RING A1 Coeff	0.011900	
RABRNGA2	RAB: RING A2 Coeff	-0.003194	
RABRNGA3	RAB: RING A3 Coeff	0.000375	
RABRNGA4	RAB: RING A4 Coeff	-0.000015	
RABRNGA5	RAB: RING A5 Coeff	0.000000	
RABRNGMIN	RAB: Ring Minimum Value	1.706690	
RAB_BIT_EC	Bit Resistivity for ECAL_RAB?	YES	
RAB_BIT_IN	Input Bit Resistivity for Inversion? (Recommended at the bit)	YES	YES
RAB_CALIPE	Compute ECAL_RAB?	NO	
RAB_DEEPBT	Deep Button Resistivity for ECAL_RAB?	YES	
RAB_DEEPBT	Input Deep Button Resistivity for Inversion?	YES	
RAB_INVERS	Perform Rt Inversion?	NO	
RAB_INVERS	RAB Bit Sensor Weight for Inversion[0,1]	1.000000	
RAB_INVERS	Ending Depth for GR Cutoff in Zone1 (default through the whole well)	100000.000000	
RAB_INVERS	Continuity Multiplier[0,1]	0.500000	
RAB_INVERS	RAB Deep Button Sensor Weight for Inversion[0,1]	1.000000	
RAB_INVERS	RAB inversion for Dh?	YES	
RAB_INVERS	RAB inversion for Di?	YES	
RAB_INVERS	GR Cutoff for Shale Formation	75.000000	
RAB_INVERS	GR Cutoff for Shale Formation in Zone1(default through the whole well)	75.000000	
RAB_INVERS	GR Cutoff in Zone10	75.000000	
RAB_INVERS	GR Cutoff in Zone2	75.000000	
RAB_INVERS	GR Cutoff in Zone3	75.000000	
RAB_INVERS	GR Cutoff in Zone4	75.000000	
RAB_INVERS	GR Cutoff in Zone5	75.000000	
RAB_INVERS	GR Cutoff in Zone6	75.000000	
RAB_INVERS	GR Cutoff in Zone7	75.000000	
RAB_INVERS	GR Cutoff in Zone8	75.000000	
RAB_INVERS	GR Cutoff in Zone9	75.000000	
RAB_INVERS	RAB Medium Button Sensor Weight for Inversion[0,1]	1.000000	
RAB_INVERS	Resistivity Cutoff for Shale Formation	2.000000	
RAB_INVERS	Resistive Invasion Allowed	NO	
RAB_INVERS	RAB Ring Sensor Weight for Inversion[0,1]	1.000000	
RAB_INVERS	RAB inversion for Rmud?	NO	
RAB_INVERS	RAB inversion for Rt?	YES	
RAB_INVERS	Rt to R-deepest separation penalty multiplier[0,1]	0.500000	
RAB_INVERS	RAB inversion for Rxo?	YES	
RAB_INVERS	RAB Shallow Button Sensor Weight for Inversion[0,1]	1.000000	
RAB_INVERS	Inversion Threshold[0, 0.3]	0.010000	
RAB_INVERS	Formation Water Resistivity	0.100000	
RAB_INVERS	Formation Water Temperature	150.000000	
RAB_MEDIUM	Medium Button Resistivity for ECAL_RAB?	YES	
RAB_MEDIUM	Input Medium Button Resistivity for Inversion?	YES	
RAB_QUAD	RAB: Process Quadrant data ?	YES	
RAB_RIGMOD	Bit on Bottom?	YES	
RAB_RING_E	Ring Resistivity for ECAL_RAB?	YES	
RAB_RING_I	Input RING Resistivity for Inversion?	YES	
RAB_SHALLO	Shallow Button Resistivity for ECAL_RAB?	YES	
RAB_SHALLO	Input Shallow Button Resistivity for Inversion?	YES	
RAB_TAB	RAB: Compute TAB ?	YES	
RAB_TECHLO	RAB: Generate Techlog ?	YES	
RAB_TEMP_S	RAB Temperature Selection	MEASURED	
RAB_TICKS	RAB: Generate Ticks ?	YES	
READOUT_PO	RAB: ROP to Bit Face Distance	8.382546	
RINGBHCA	RAB: Ring Borehole A Factor	0.160169	
RINGBHCB	RAB: Ring Borehole B Factor	0.000000	
RING_KIMP_	RAB: Ring Impedance Coeff A	0.000000	
RING_KIMP_	RAB: Ring Impedance Coeff B	0.000000	
RING_K_FAC	RAB: Ring K Factor	0.162910	
SBUTTON_K_	RAB: Button Shallow K Factor	0.007429	
SCALE_IMAG	RAB: Process Image Data	YES	
STAB	RAB: Run with Stabilizer	YES	
TFF_OFFSET	RAB Time-Frame File Time Offset	0.000000	
TIMEFRAME_	RAB: Time Frame File Name	0.000000	
TOOLTYPE	RAB: Azimuthal Tool	YES	
TS_VERSION	RAB: ToolScope Software Version	0.000000	
VRAB6	Rab Tool type (ENP/PILOT)	RAB6_C_SERIES	
WIN_SIZE_D	RAB: Window Size for Scaling Dynamic Image	3.000000	
WRK	Way to Report Potassium Concentration (RM)	K_by_Wgt_%	

### ADN

ADN_CHASSI	ADN Chassis Type String	ADN	
ADN_COLLAR	ADN Collar Type String	ADN	
ADN_STAB_S	ADN Stabilizer Type String	ADN	
ALPHA_COMP	Perform Density Enhanced Vertical Resolution process ?		NO
ALPHA_COMP	Perform Neutron Enhanced Vertical Resolution process ?		NO
AVE_ADN	ADN/Array Channels: perform averaging(RM) :	YES	
A_DHS	ADN Down Hole Software Version String	YES	
CHI_RM	Caliper High limit from BS (RM)	3.000000	
CLO_RM	Caliper Low limit from BS (RM)	0.000000	
DEVI	Well Section Deviation	4.670000	
DTIK_SEL	ADN: Density Tick Channel Name	LSAZ	
DTMUD	Delta-T for Mud	196.000000	
DYN_IMG_CO	Generate Dynamic Normalized Image?		NO
ECC_CORR_A	Perform Eccentering Correction for TNPH?		NO
ENVCOR	Neutron Quadrant Processing: Environmental Correction?	YES	
EVRL	EVR Process averaging number of samples (RM)	49	
ECD	Future Casing (Outer) Diameter	0.000000	

GCSE	Generalized Caliper Selection	UCAL	NO
HPS	ADSE-EB (High Pressure Inconel Chassis)?	YES	
IBS	Intergal Blade Stabilizer Collar?	2.000000	
IDQT	Image Derived Quality Threshold	0.000000	
IHVS	Integrated Hole Volume Start Value(RM)	2.500000	
IMAGE_MAX_	Image SOA (Quadrant) Right Scale	6.000000	
IMAGE_MAX_	Image PEF(Segment) Right Scale	2.650000	
IMAGE_MAX_	Image RHOB(Segment) Right Scale	0.000000	
IMAGE_MIN_	Image SOA (Quadrant) Left Scale	2.000000	
IMAGE_MIN_	Image PEF(Segment) Left Scale	2.050000	
IMAGE_MIN_	Image RHOB(Segment) Left Scale	2.050000	
JSD_ADN	ADN Acquisition start date	2.050000	
LITHO_TYPE	Lithology (RM)	SAND	
N1FTU_6_RM	ADN: Neutron Bank 1 Far Tubes used :	1-2-3	
N2FTU_6_RM	ADN: Neutron Bank 2 Far Tubes used :	1-2-3	
NNTU_RM	ADN Neutron Near Banks Used	1-2	
NTIK_SEL	ADN: Neutron Tick Channel Name	FR11	
SOCNL	Standoff Distance of the CNL Tool	1.000000	
SSIZ_ADN	ADN Stabilizer Size	8.250000	
STOH	ADN Density Top of Hole Sector (Left Boundary):	SECTOR_0	
TRPM_RM	Average Tool Rotational Speed	20.000000	
USMIN_RM	ADN:Minimum Ultrasonic standoff (RM)	0.180000	
USWF_RM	ADN:Process Ultrasonic Waveform?	YES	
VERS_ADN	ADN Downhole Software Version	8.300000	
WSDI	Window Size of Dynamic Normalization Image	15.000000	

Schlumberger Drilling & Measurements

Parameter Insert Header Software version 2.0c

# 314 C0006B RM Image MD200

IDEAL Version: ID12\_0C\_12 <MD > Vertical Scale: 1:200

Graphics File Created: 15-Nov-2007 22:59

## PIP SUMMARY

- ├ Gamma Ray Samples
- └ RAB samples

Rate of Penetration, Averaged over Last  
5ft (ROP5\_RM)  
100 (M/HR) 0

RAB Gamma Ray (GR\_RAB)  
0 (GAPI) 150

Vertical Hole Diameter (VERD)  
7 (IN) 12

Horizontal Hole Diameter (HORD)  
7 (IN) 12

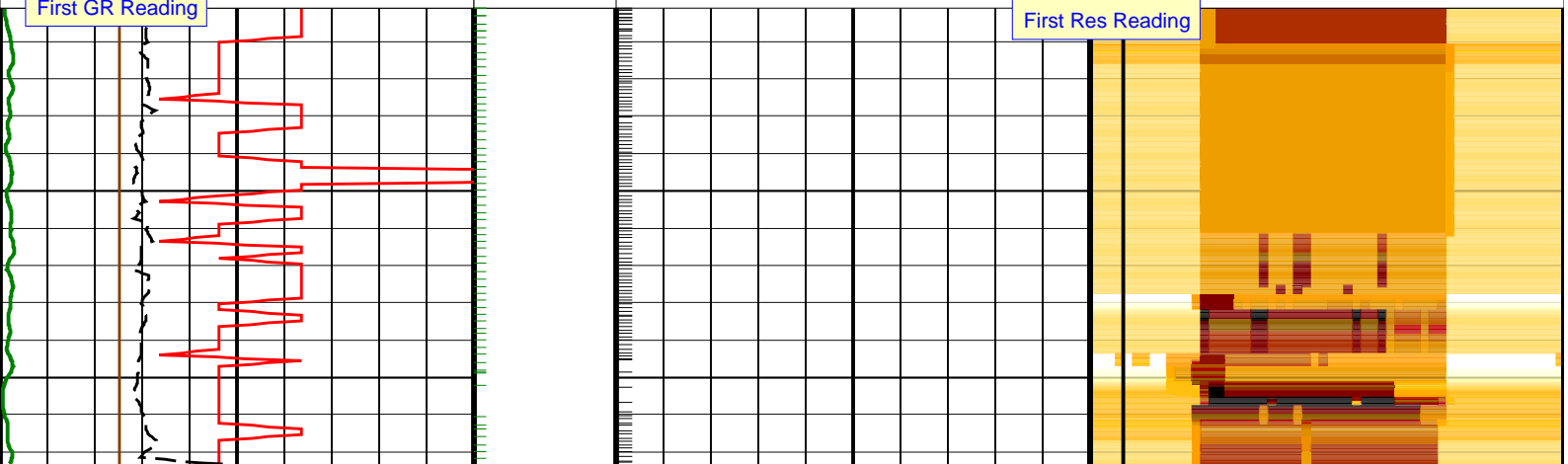
RAB  
Rotational  
Speed  
(RPM\_RAB)  
(RPM)  
0 200

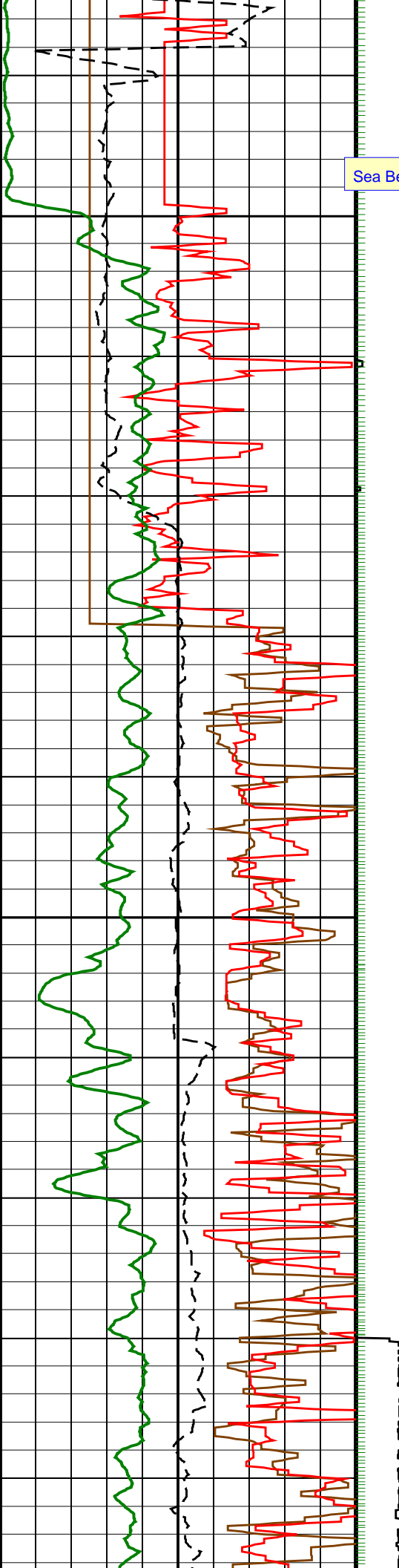
Conductive Resistive (R3IM\_DYN)  
(-----)

Deep Button Resistivity (RES\_BD)  
0 (OHMM) 5

First GR Reading

First Res Reading



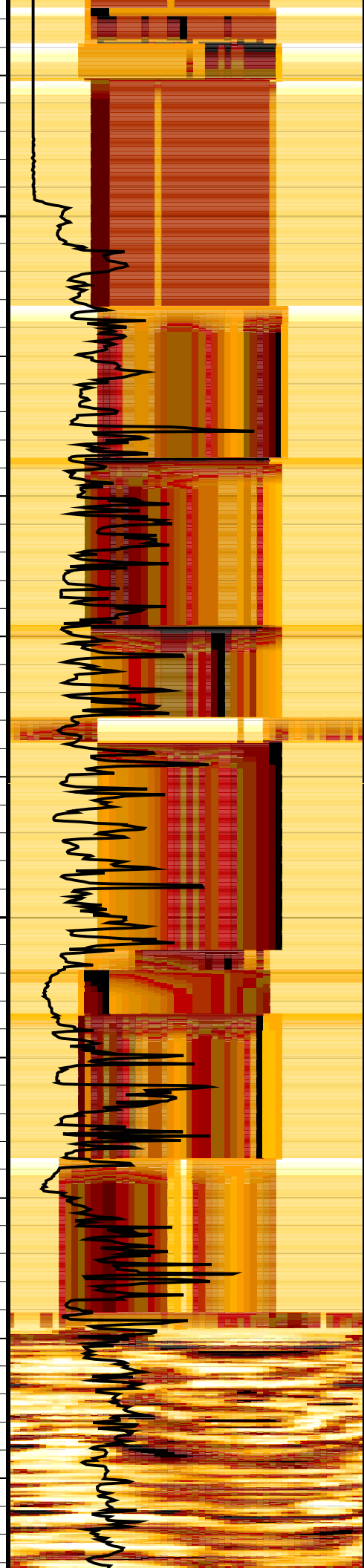


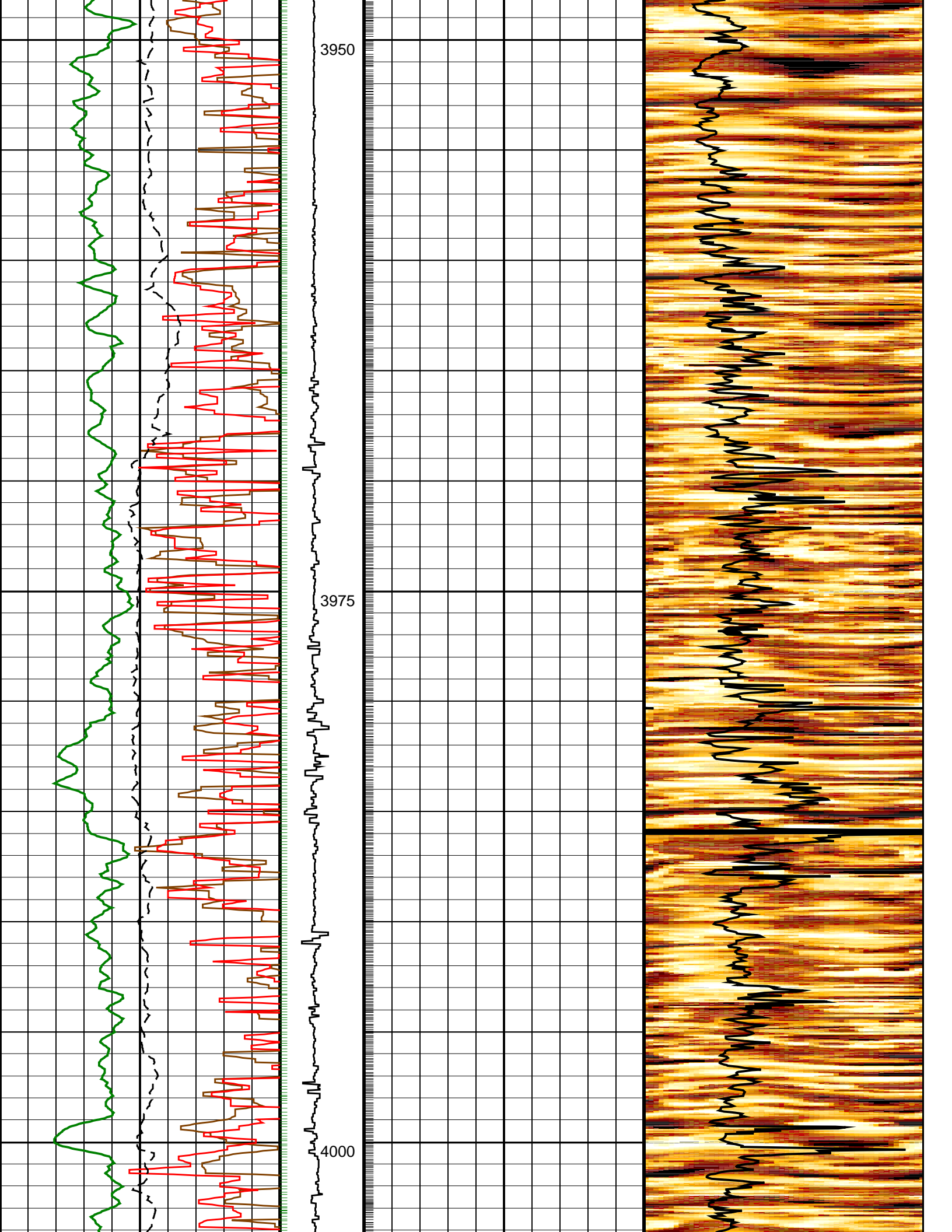
Sea Bed @ 3900.0m BRT

3900

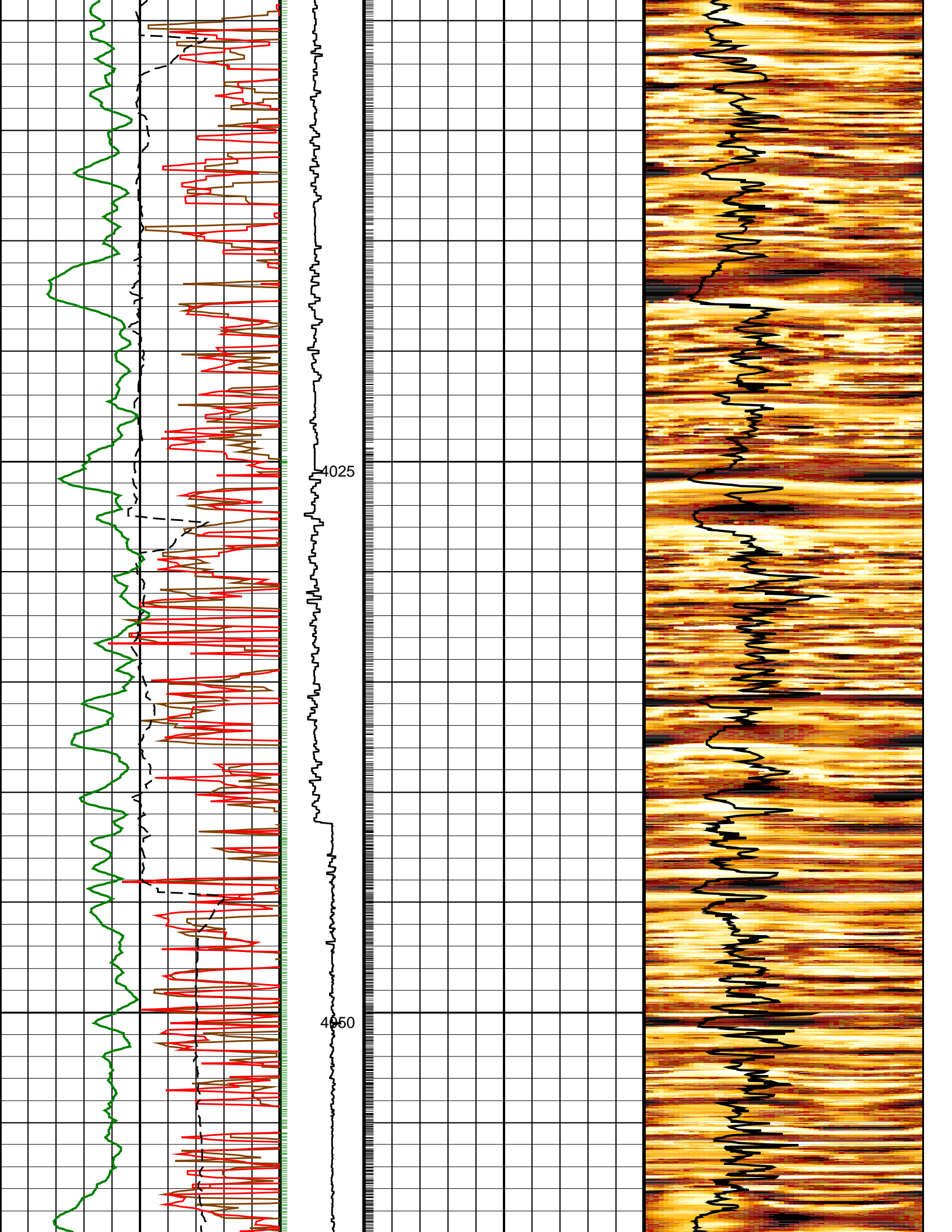
3925

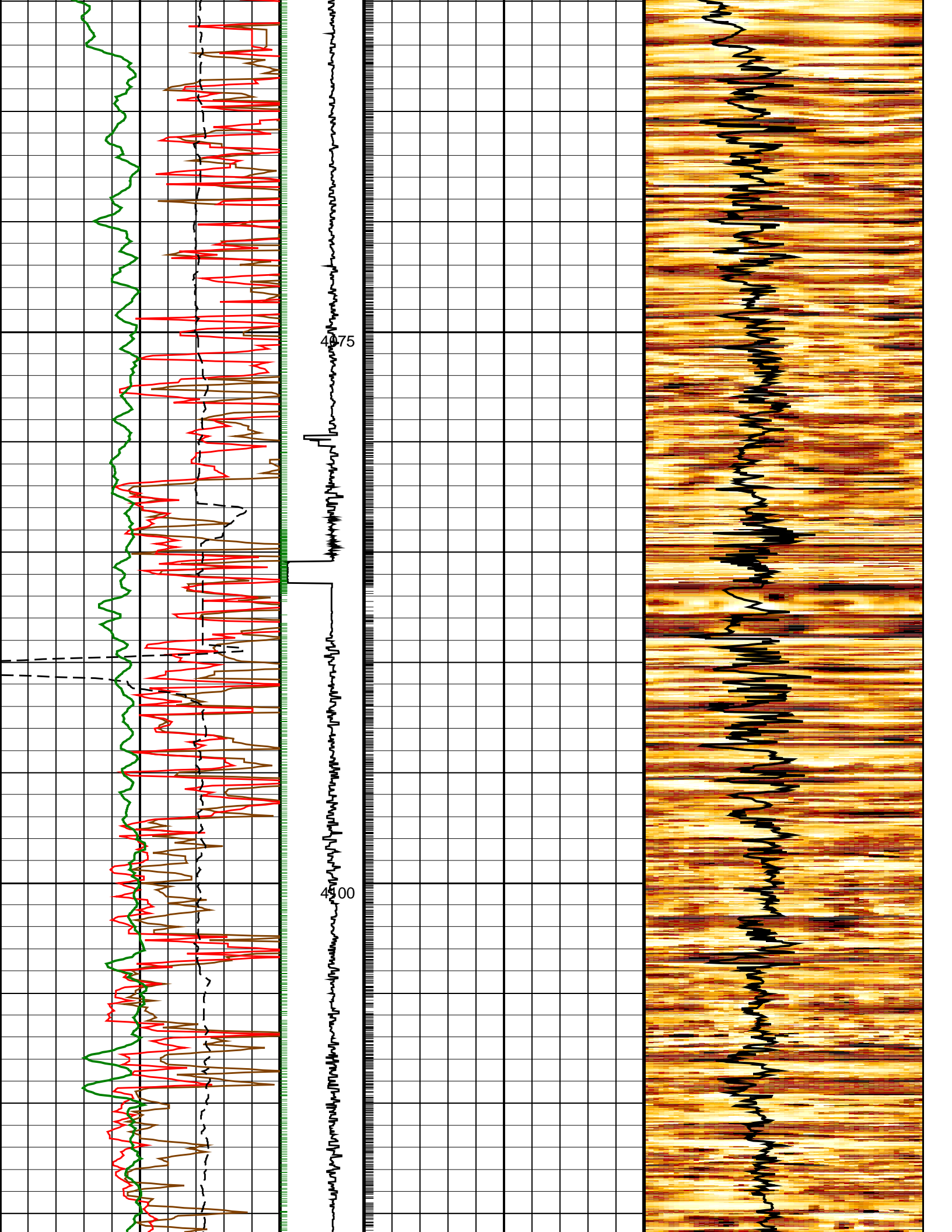
Start Rotation

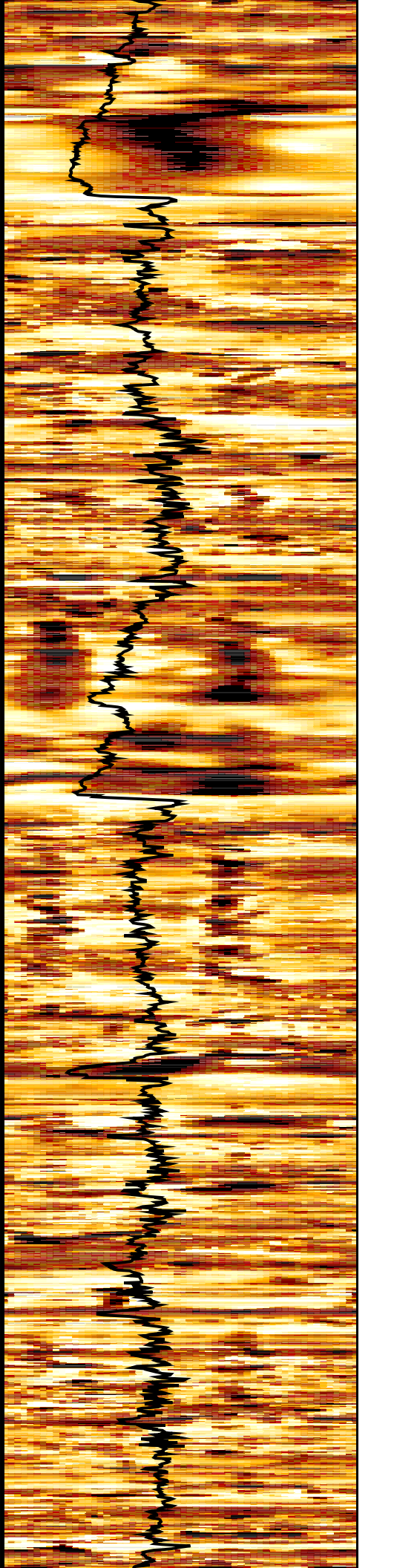
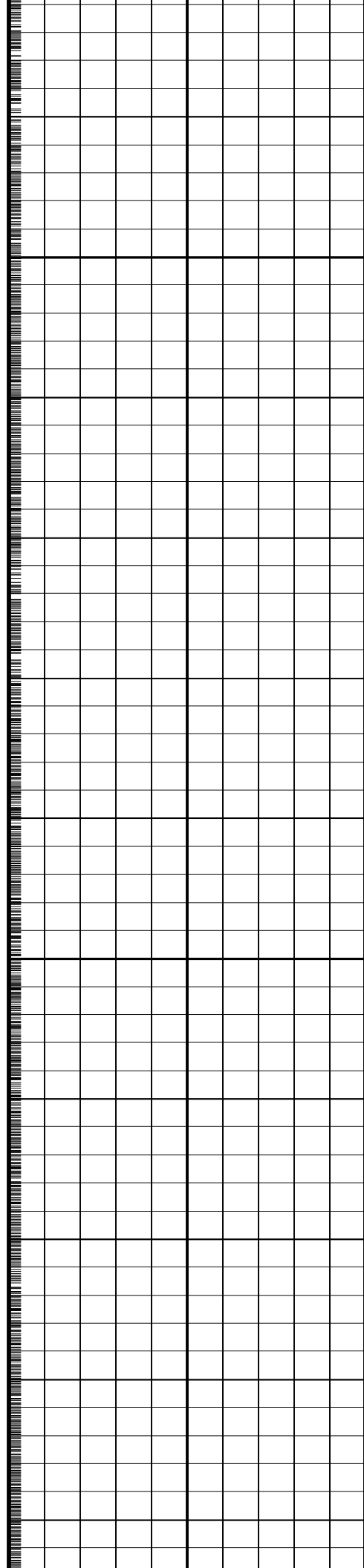
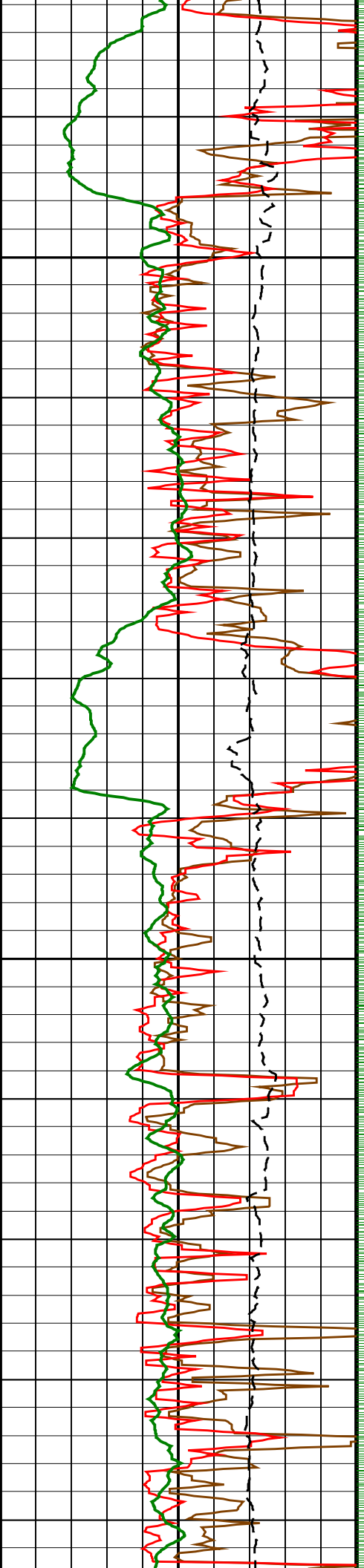


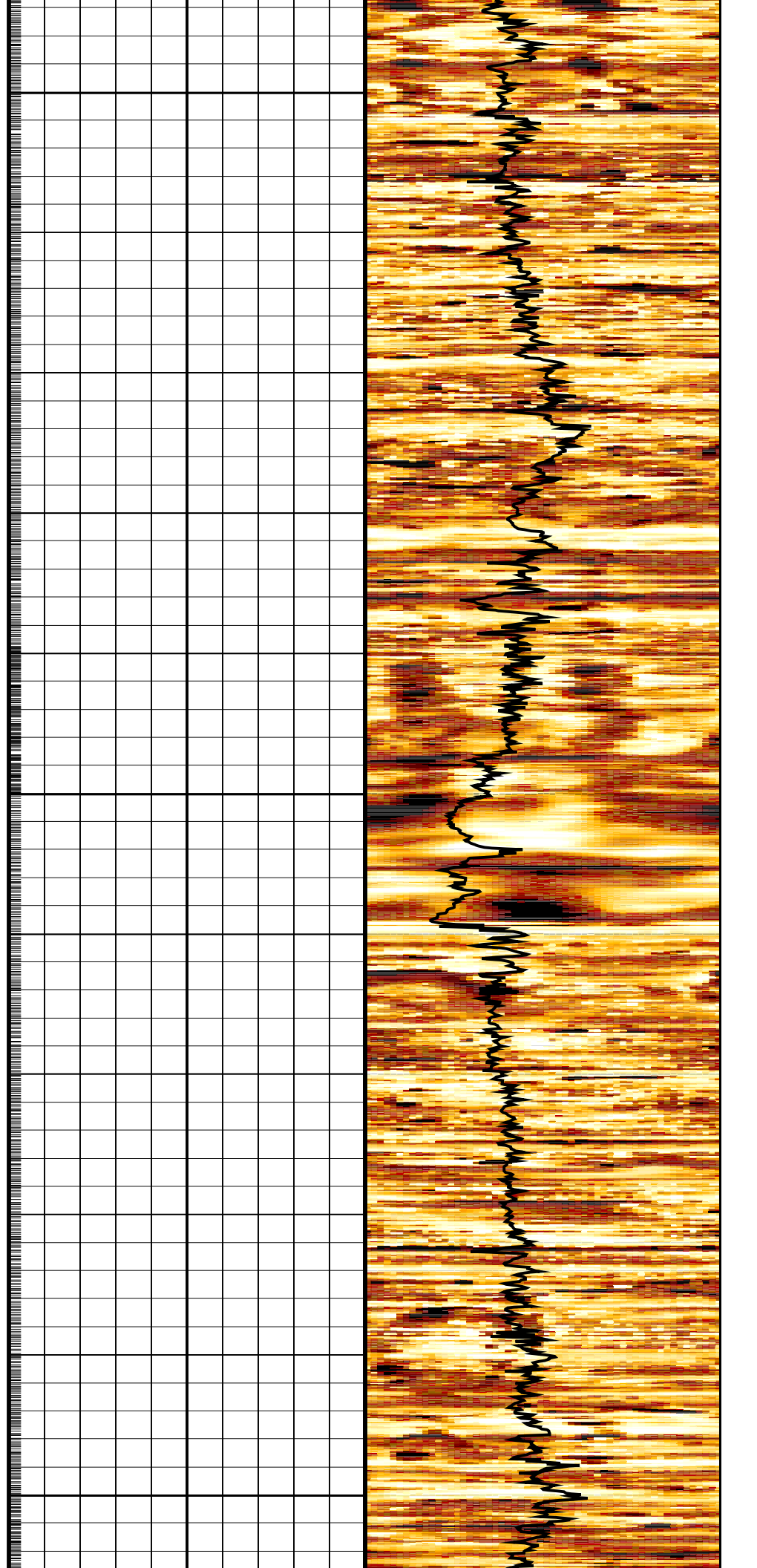
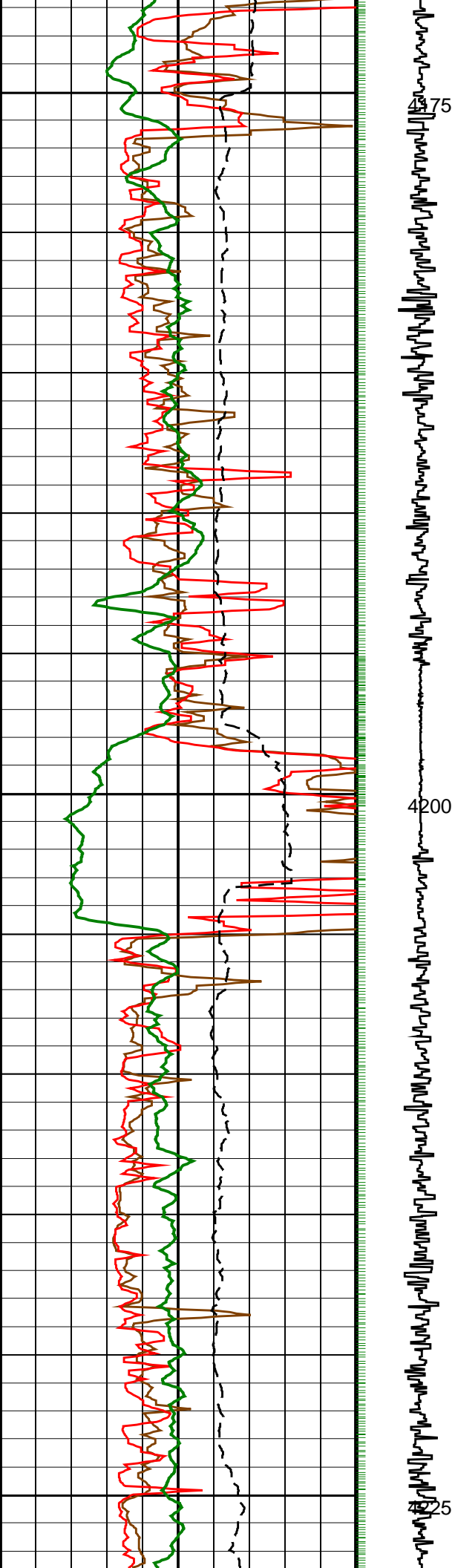


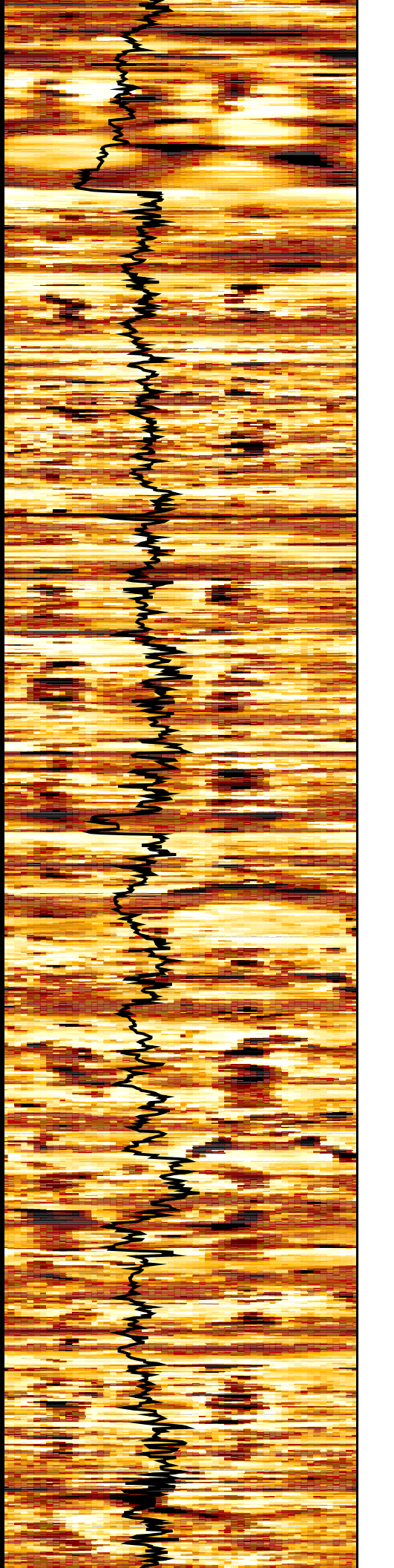
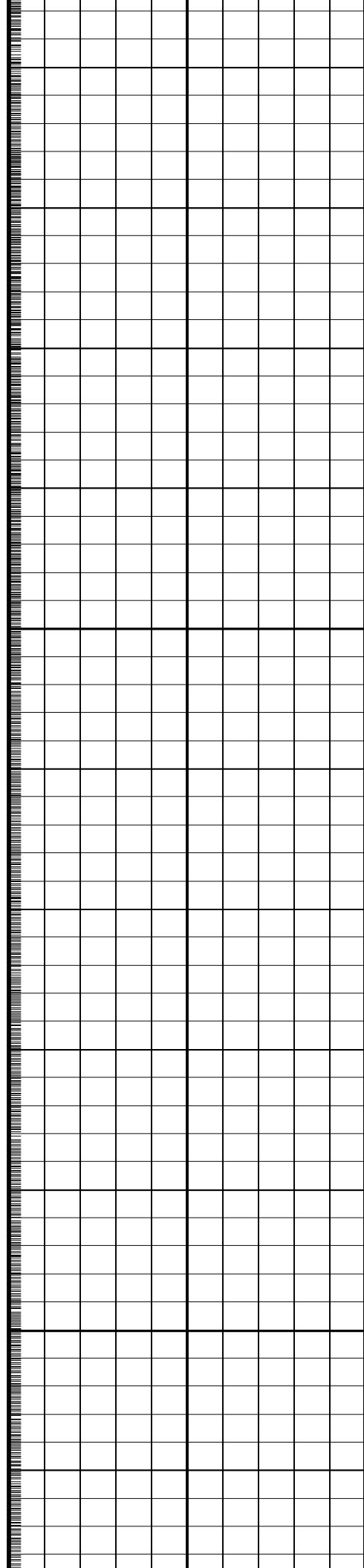
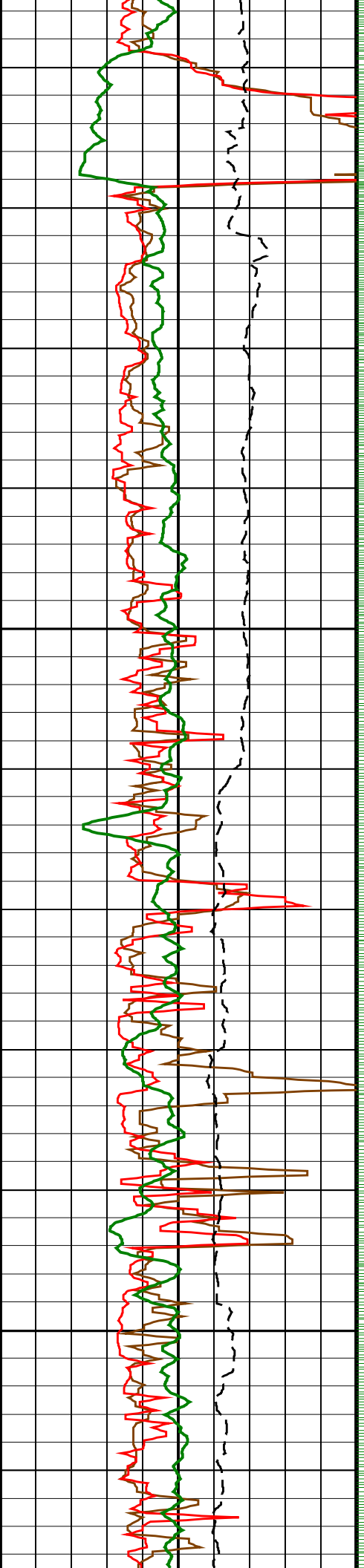


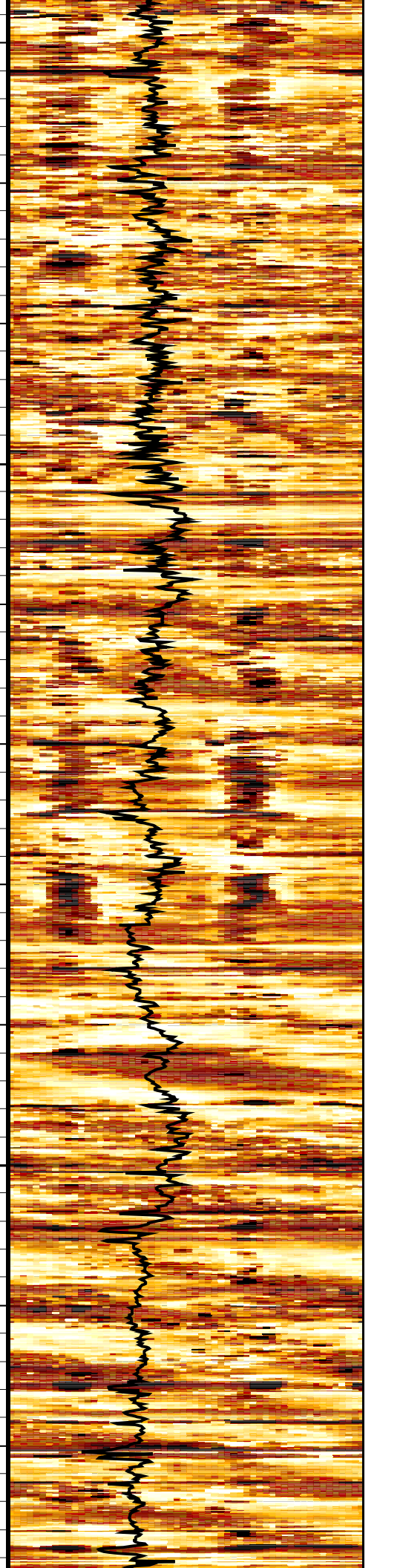
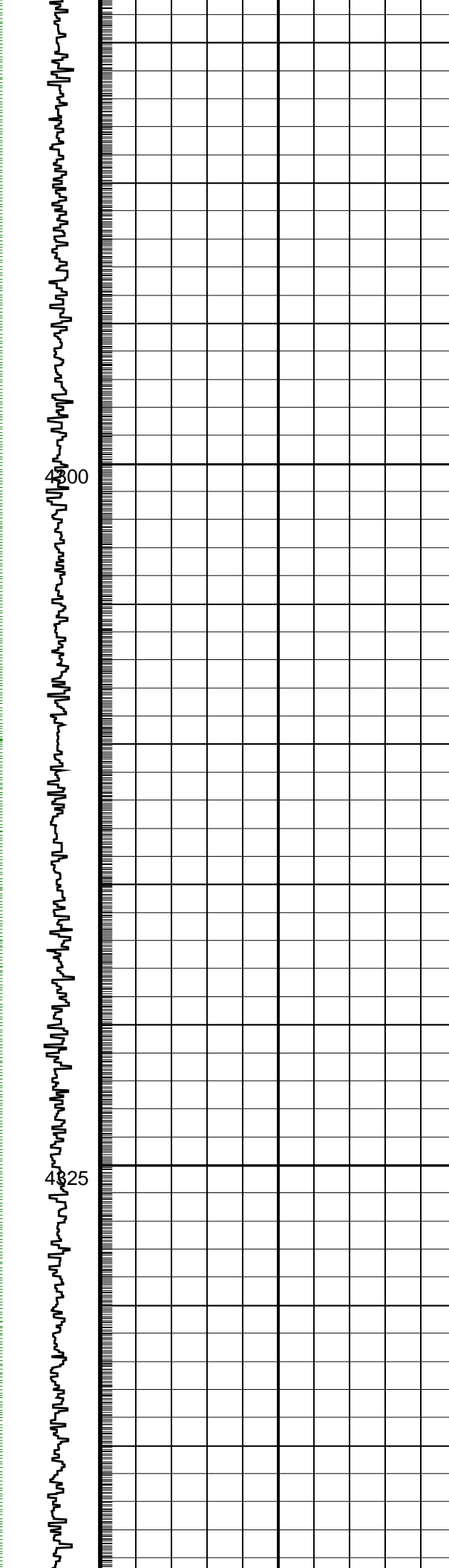
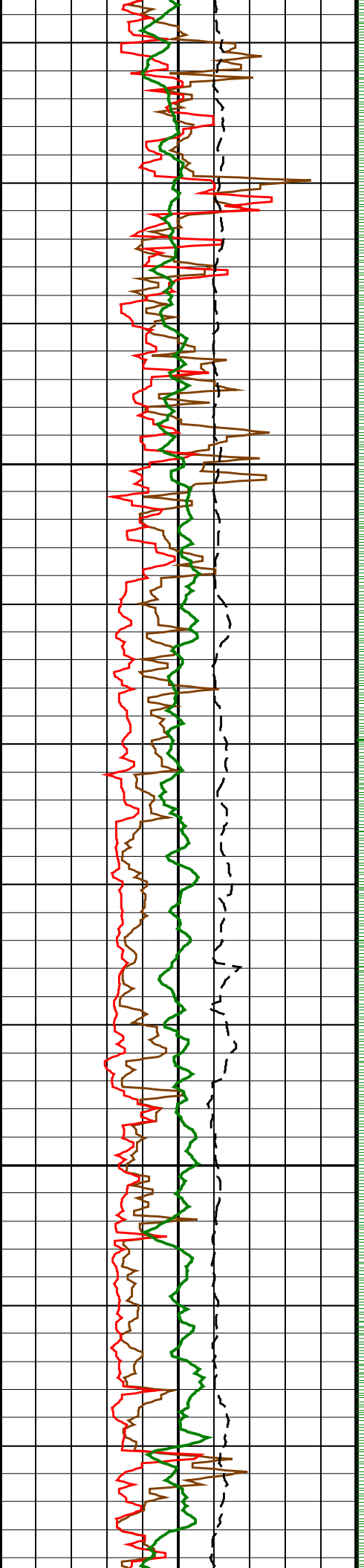


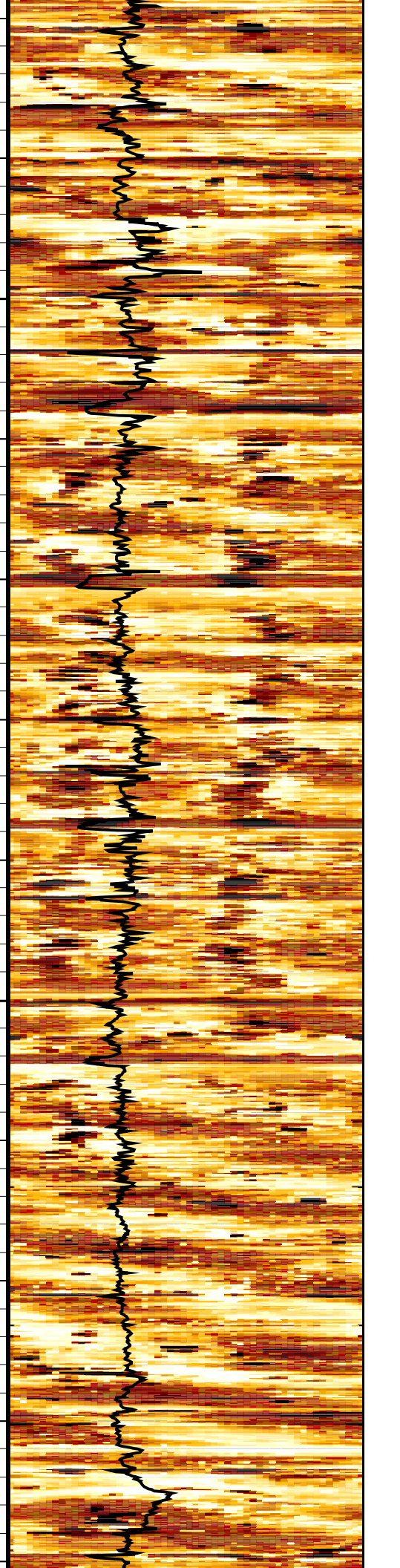
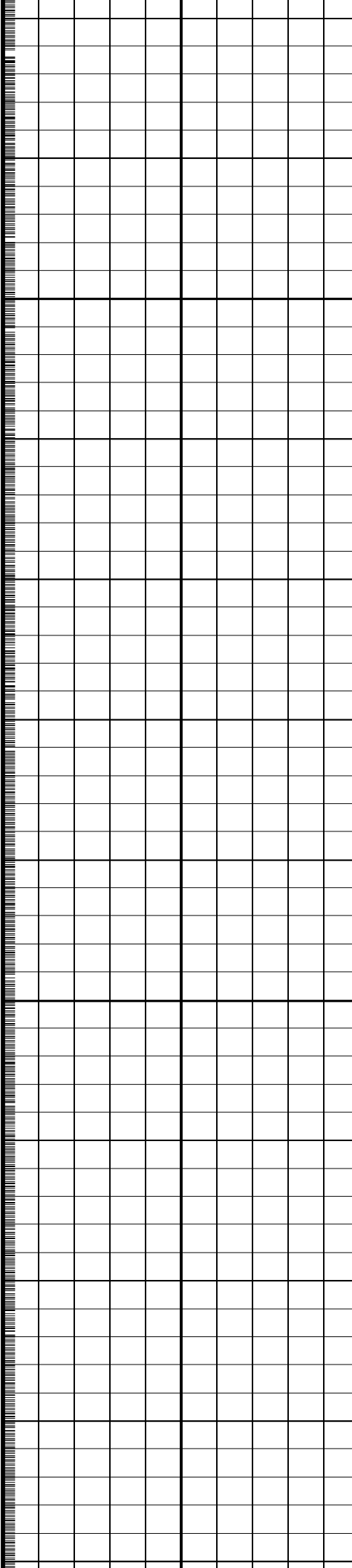
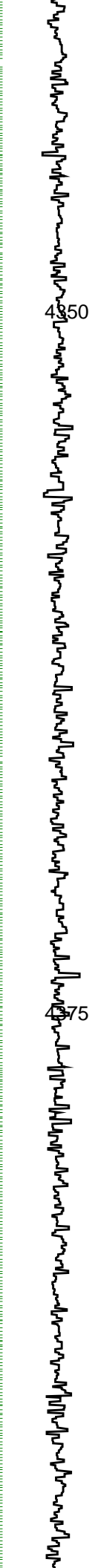
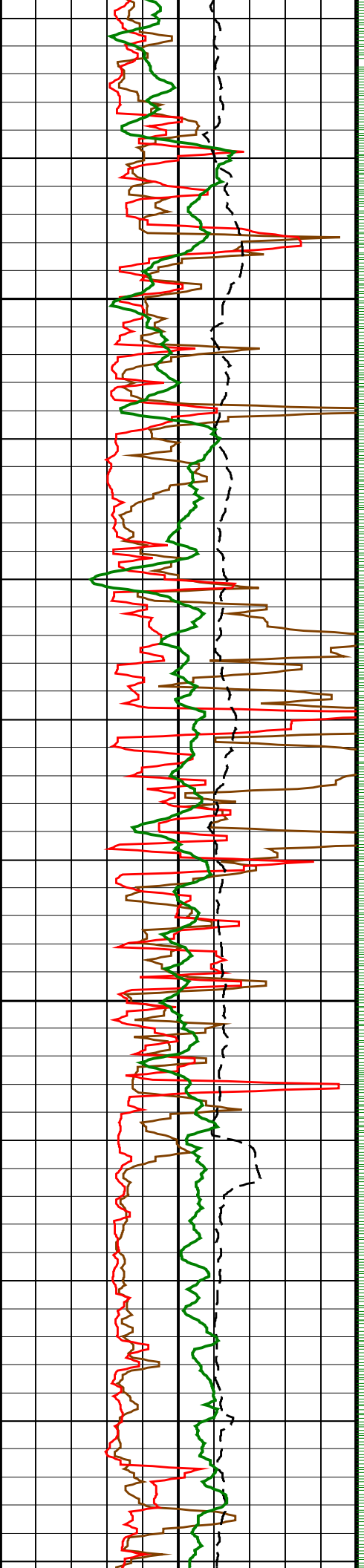


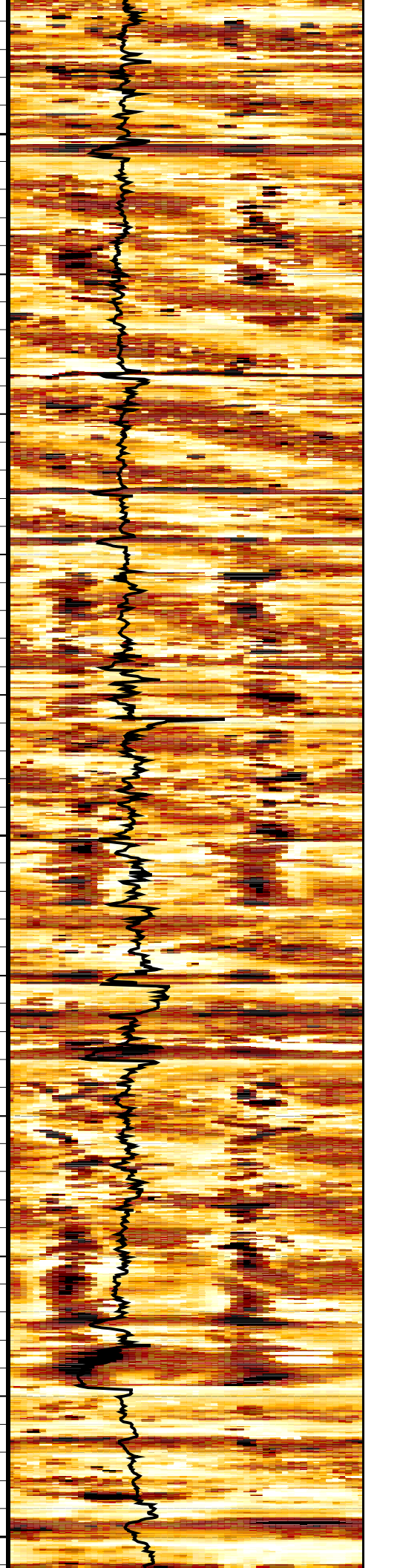
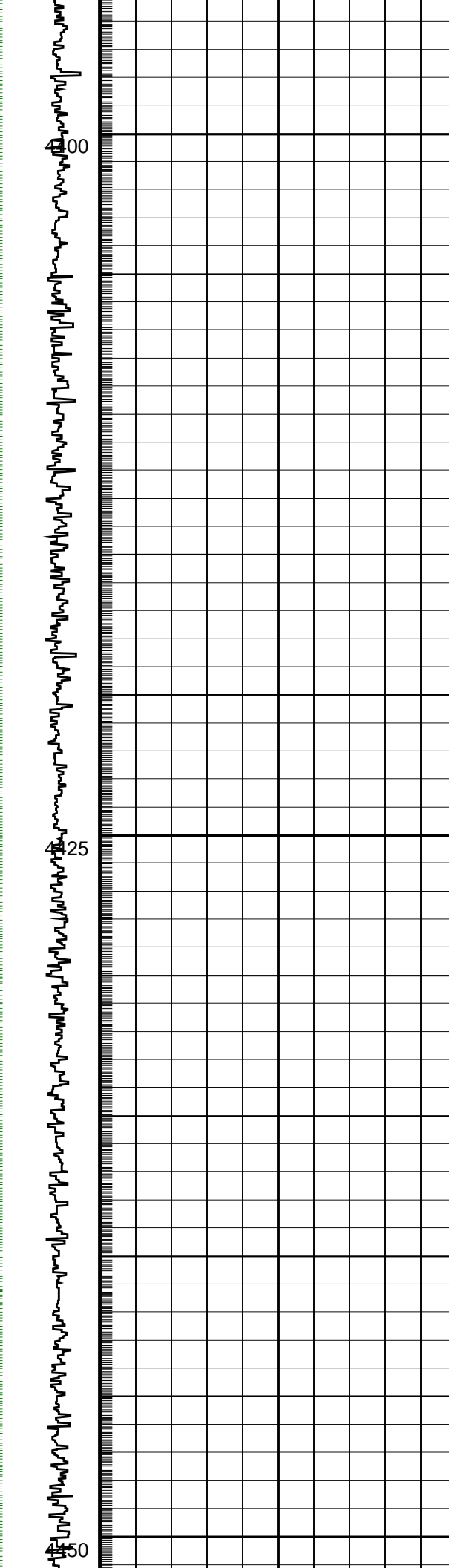
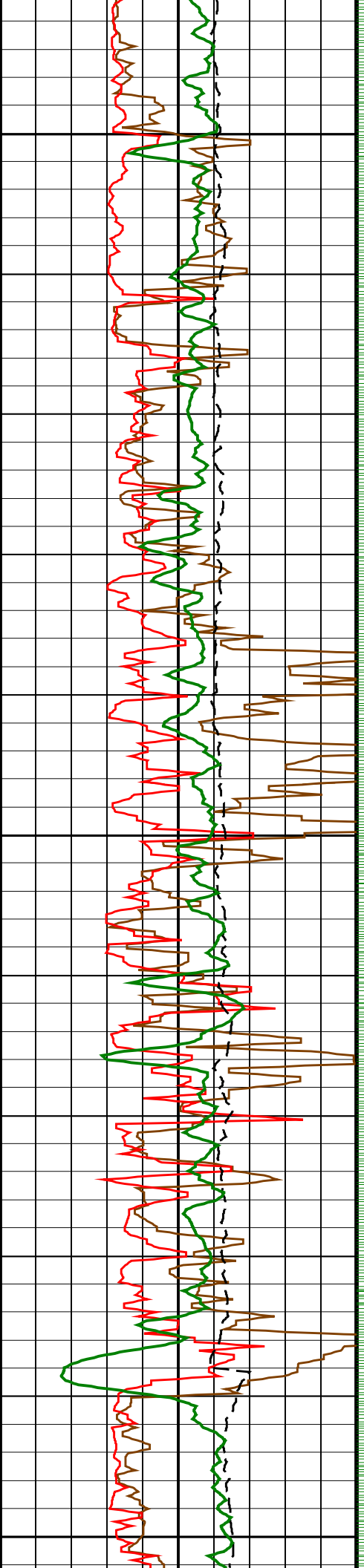




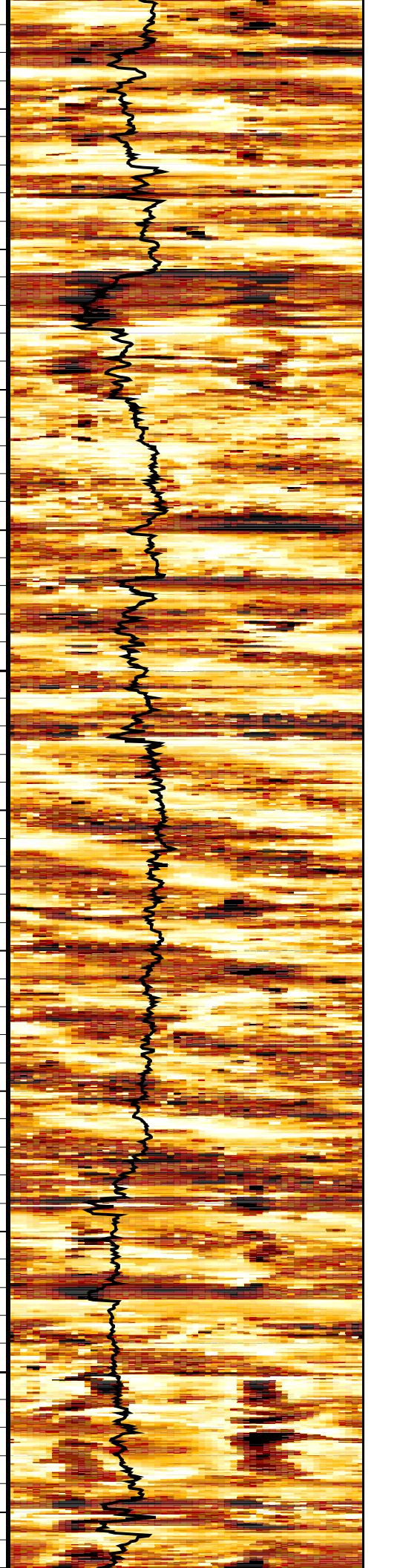
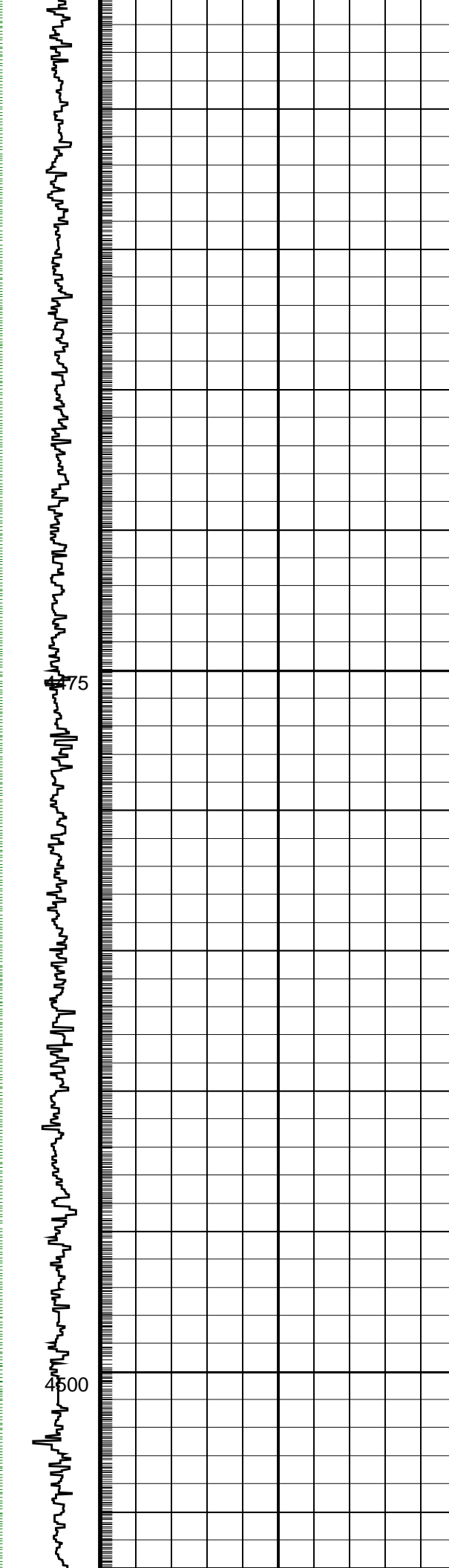
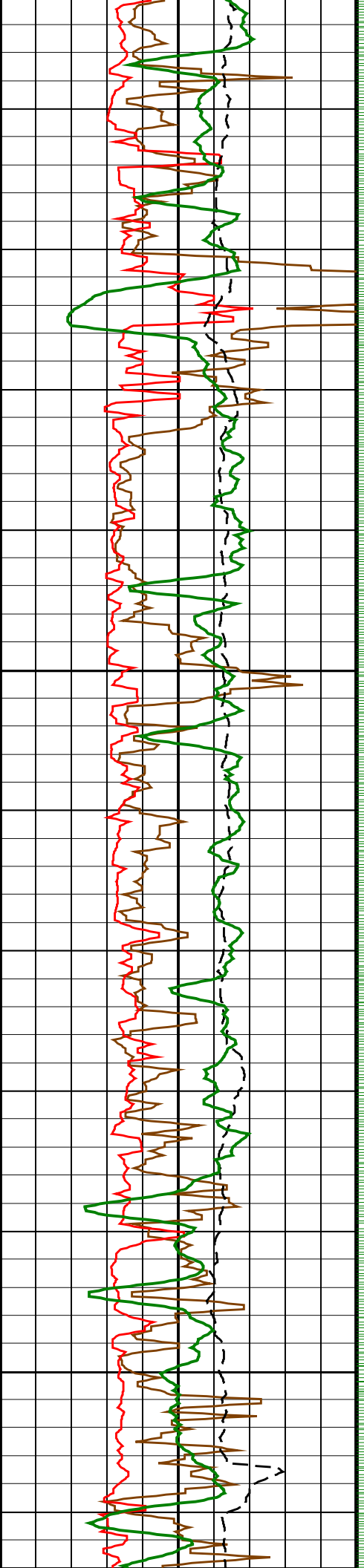


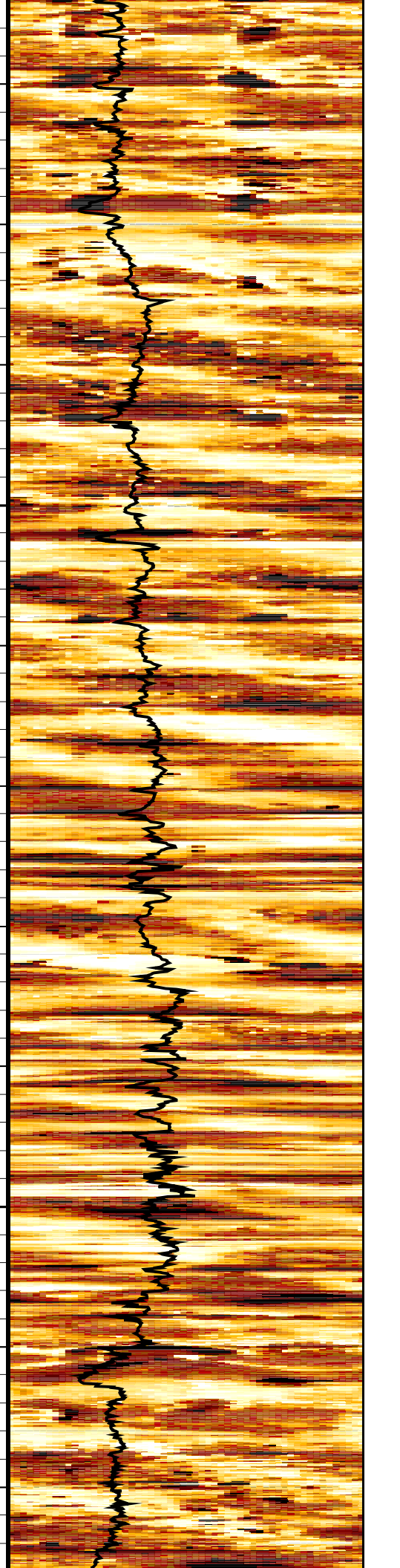
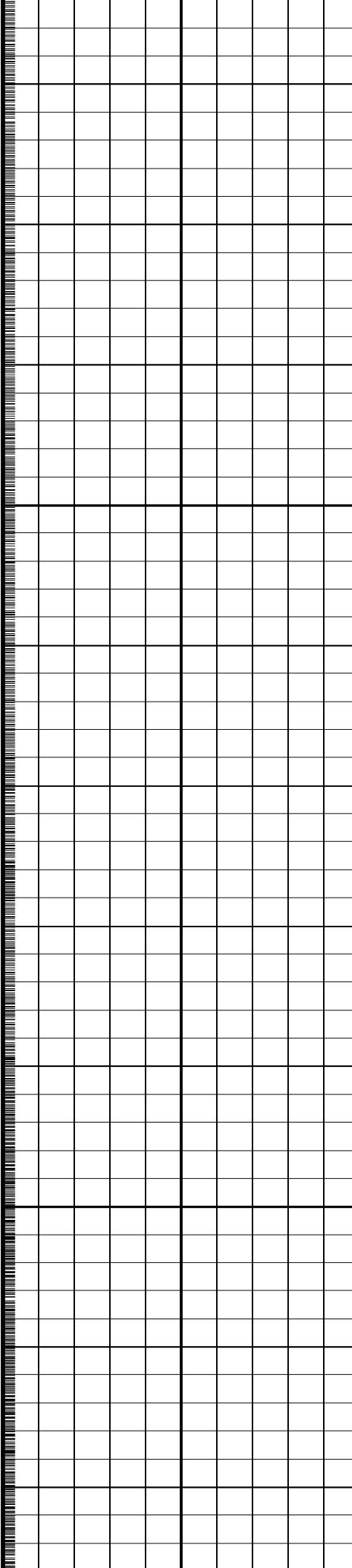
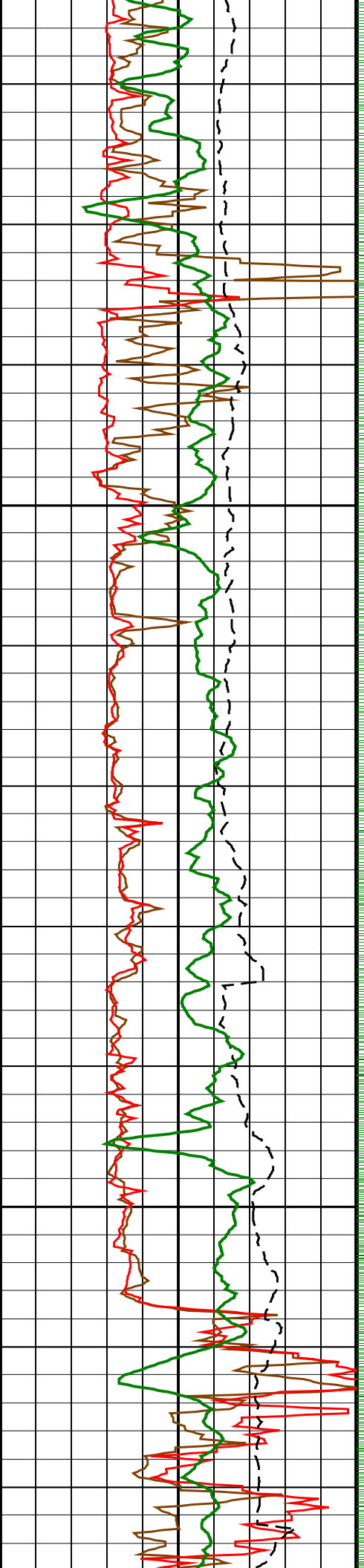


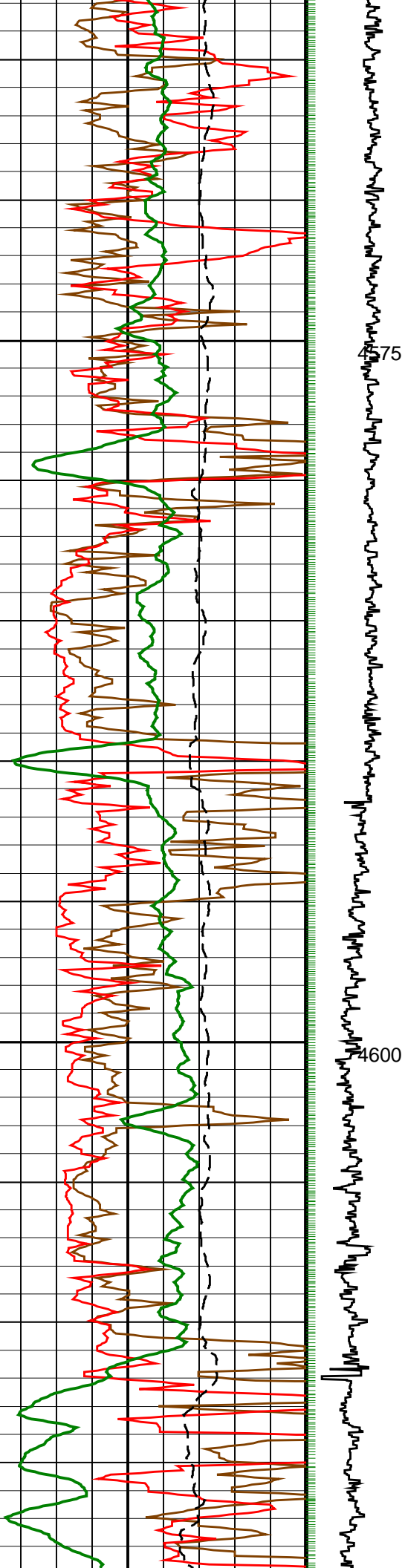






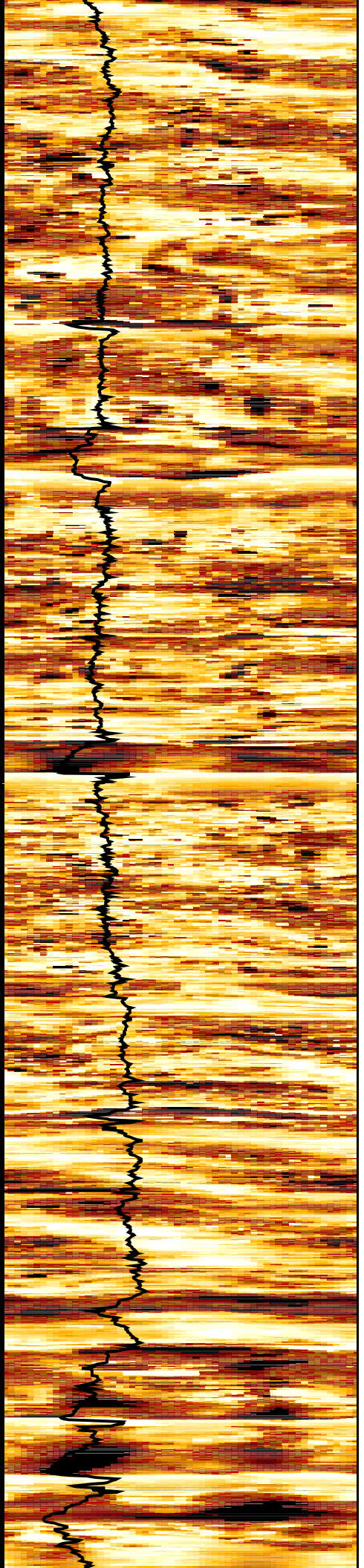
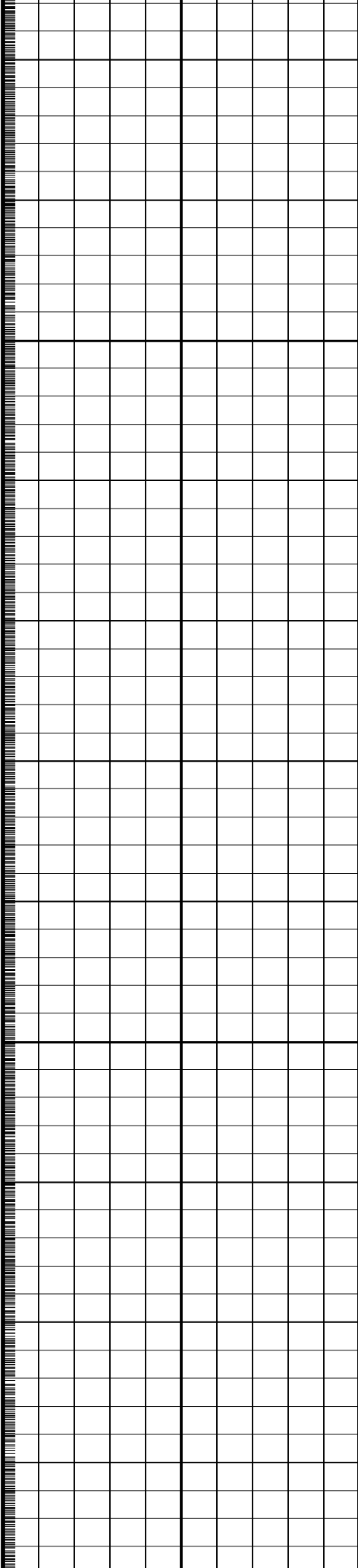


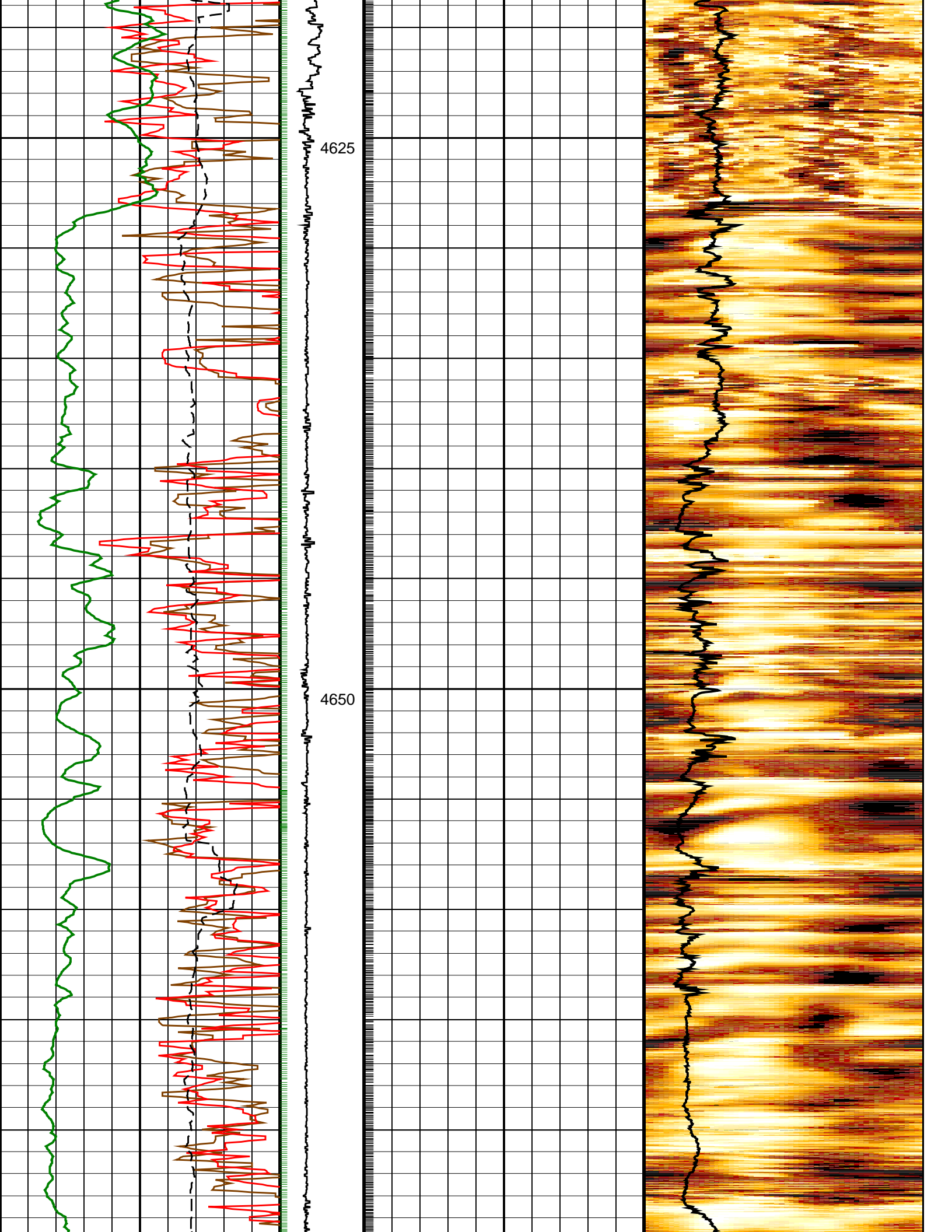


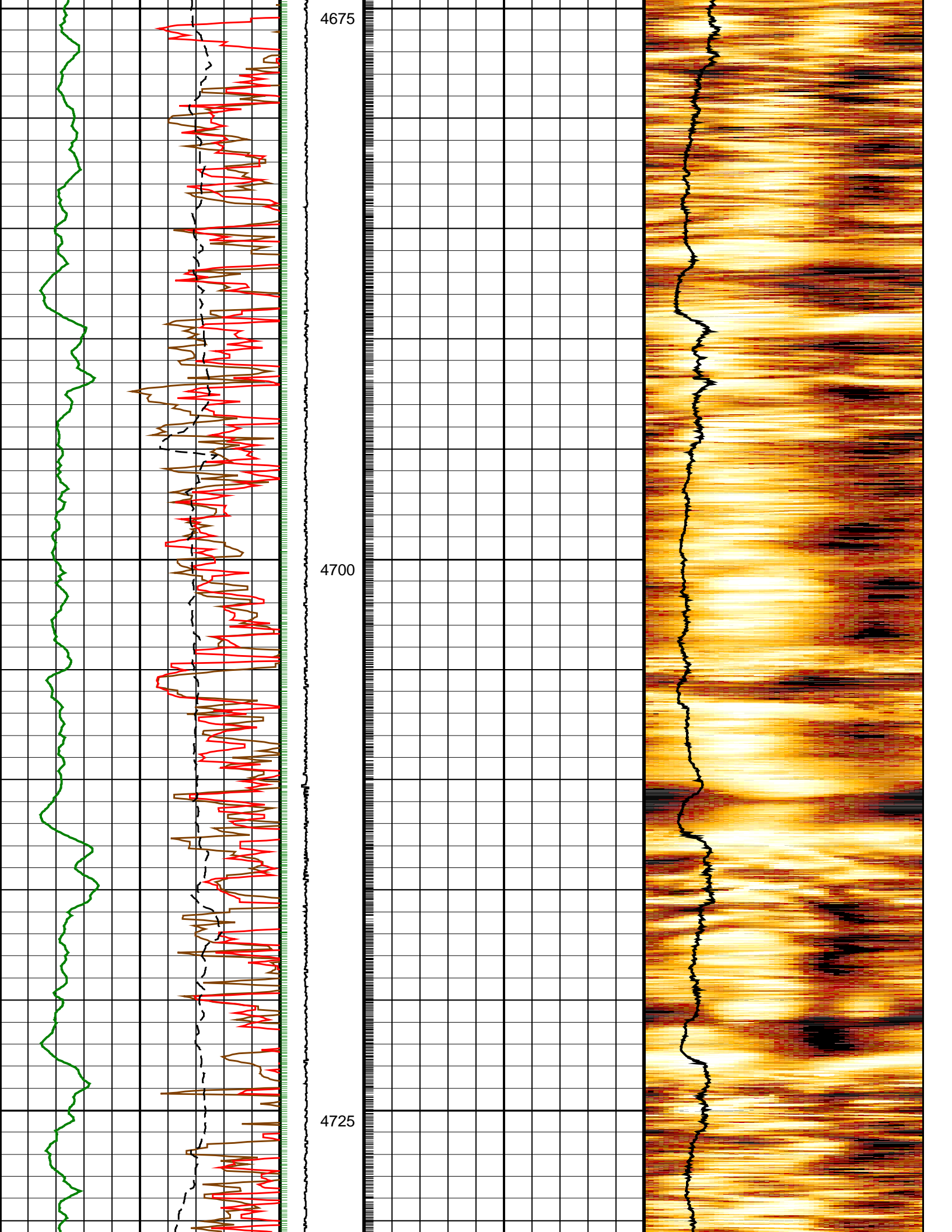


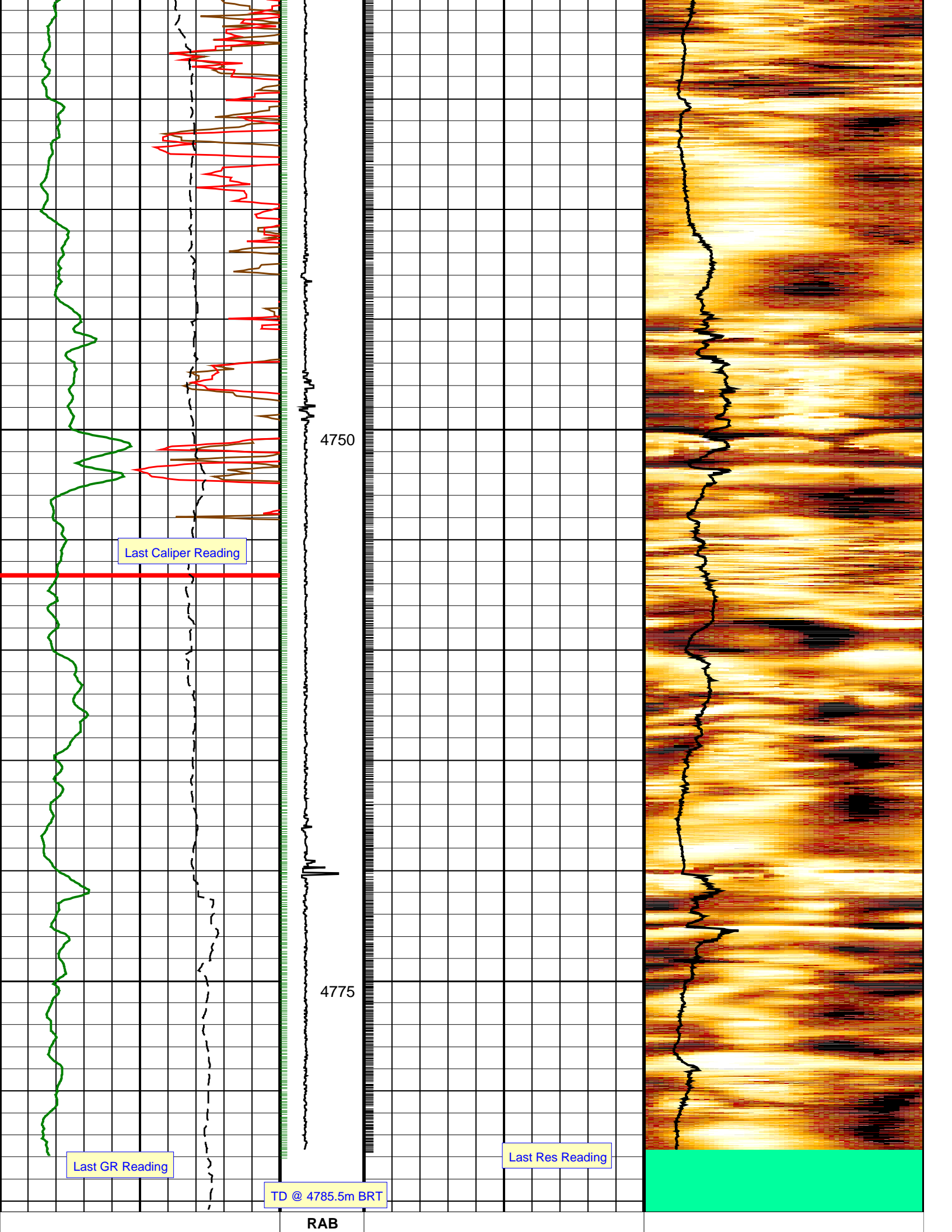
75

600









Last Caliper Reading

Last GR Reading

TD @ 4785.5m BRT

Last Res Reading

RAB

<b>Horizontal Hole Diameter (HORD)</b>		
7	(IN)	12
<b>Vertical Hole Diameter (VERD)</b>		
7	(IN)	12
<b>RAB Gamma Ray (GR_RAB)</b>		
0	(GAPI)	150
<b>Rate of Penetration, Averaged over Last 5ft (ROP5_RM)</b>		
100	(M/HR)	0

**Rotational Speed (RPM\_RAB)**  
(RPM)  
0 200

**Deep Button Resistivity (RES\_BD)**  
(OHMM) 0 5

Conductive Resistive (R3IM\_DYN)  
(-----)

**PIP SUMMARY**

- └ Gamma Ray Samples
- └ RAB samples

6.75-in. Resistivity At-the-Bit / Equipment Identification

Primary Equipment:  
Tool Name and Serial Number RAB6 - CA 273  
Calibration Status -

Master: 4-Sep-2007 17:50

6.75-in. Resistivity At-the-Bit Calibration

Resistivity: Fixture

Phase	Ring/T1 factor	Value	Phase	Ring/T2 factor	Value	Phase	M0/T1 factor	Value
Master		0.9900	Master		0.9969	Master		0.9964
	0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)			0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)			0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)	
Phase	M0/T2 factor	Value	Phase	M2/T1 factor	Value	Phase	M2/T2 factor	Value
Master		1.003	Master		0.9892	Master		0.9961
	0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)			0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)			0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)	
Phase	BTN shallow/T1 factor	Value	Phase	BTN shallow/T2 factor	Value	Phase	BTN medium/T1 factor	Value
Master		0.9922	Master		0.9987	Master		0.9973
	0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)			0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)			0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)	
Phase	BTN medium/T2 factor	Value	Phase	BTN deep/T1 factor	Value	Phase	BTN deep/T2 factor	Value
Master		1.004	Master		0.9892	Master		0.9956
	0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)			0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)			0.9750 (Minimum) 1.000 (Nominal) 1.025 (Maximum)	

Master: 4-Sep-2007 17:50

6.75-in. Resistivity At-the-Bit Calibration

Gamma Ray: Blanket

Phase	Gamma ray factor	Value
Master		1.075
	0.7500 (Minimum) 1.000 (Nominal) 1.250 (Maximum)	

SCHLUMBERGER

Survey report 14-Nov-2007 08:26:21 Page 1 of 2

Client.....: Japan Agency for Marine-Earth Science and TechnoloBLI  
Field.....: Nankai-Kumano

Well.....: C0006B Spud date.....: 13-Nov-07  
API number.....: 07CHS0064 Last survey date.....: 13-Nov-07  
Engineer.....: Mario Jakuli / Chen Xi / OG Ming Total accepted surveys.....: 10

Rig:..... Chikyu  
 Country:..... Japan

MD of first survey..... 3900.00 m  
 MD of last survey..... 4139.11 m

----- Survey calculation methods-----  
 Method for positions.....: Minimum curvature  
 Method for DLS.....: Mason & Taylor

----- Geomagnetic data -----  
 Magnetic model.....: BGGM version 2007  
 Magnetic date.....: 12-Nov-2007  
 Magnetic field strength...: 916.58 HCNT  
 Magnetic dec (+E/W-).....: -6.45 degrees  
 Magnetic dip.....: 46.37 degrees

----- Depth reference -----  
 Permanent datum.....: Mean Sea Level  
 Depth reference.....: Driller's Depth  
 GL above permanent.....: -3871.50 m  
 KB above permanent.....: 28.50 m  
 DF above permanent.....: 28.50 m

----- MWD survey Reference Criteria -----  
 Reference G.....: 999.57 mGal  
 Reference H.....: 916.58 HCNT  
 Reference Dip.....: 46.37 degrees  
 Tolerance of G.....: (+/-) 2.50 mGal  
 Tolerance of H.....: (+/-) 6.00 HCNT  
 Tolerance of Dip.....: (+/-) 0.45 degrees

----- Vertical section origin-----  
 Latitude (+N/S-).....: 0.00 m  
 Departure (+E/W-).....: 0.00 m

----- Corrections -----  
 Magnetic dec (+E/W-).....: -6.45 degrees  
 Grid convergence (+E/W-)..: 0.00 degrees  
 Total az corr (+E/W-).....: -6.45 degrees  
 (Total az corr = magnetic dec - grid conv)  
 Survey Correction Type ...:  
 I=Sag Corrected Inclination  
 M=Schlumberger Magnetic Correction  
 S=Shell Magnetic Correction  
 F=Failed Axis Correction  
 R=Magnetic Resonance Tool Correction  
 D=Dmag Magnetic Correction

----- Platform reference point-----  
 Latitude (+N/S-).....: 0.00 m  
 Departure (+E/W-).....: 0.00 m

Azimuth from Vsect Origin to target: 0.00 degrees

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 SCHLUMBERGER Survey Report

14-Nov-2007 08:26:21

Page 2 of 2

Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/10m)	Srvy tool type	Tool Corr (deg)
1	3900.00	0.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	TIP	None
2	3910.73	0.69	312.05	10.73	3910.73	0.04	0.04	-0.05	0.06	312.05	0.64	MWD	None
3	3945.87	2.98	265.93	35.14	3945.85	0.12	0.12	-1.12	1.12	276.14	0.73	MWD	None
4	3983.74	3.54	274.65	37.87	3983.66	0.15	0.15	-3.26	3.27	272.55	0.20	MWD	None
5	4026.61	4.27	295.73	42.87	4026.43	0.95	0.95	-6.02	6.09	278.92	0.37	MWD	None
6	4064.18	4.57	301.45	37.57	4063.89	2.33	2.33	-8.56	8.87	285.25	0.14	MWD	None

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**Company:**  
**Japan Agency for Marine-Earth Science and Technology**

**Well:** C0006B

**Field:** Nankai-Kumano

**Rig:** Chikyu

**Country:** Japan

**8 1/2 in**  
**GeoVISION Service – Image**  
**Recorded Mode Log 1:200 Measured Depth**

**Schlumberger**



# Data Quality Report

When data does not meet standards, put a number in the column corresponding to the measurement with a corresponding number and remark below. Use additional pages for remarks  
Positive remarks are welcome; do not append them with a number.

Geomarket	CHG	Location	Philippine Sea
Job Date	13-Nov-07	Customer	JAMSTEC
Rig	Chikyu	Field/Well	Nankai-Kumano/C0006B
Engineer	Mario/Cheng Xi/Q.G. Ming	Job Number	07CHS0064

## Type of Measurement

Res	GR	APWD	Neu	Den
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## Remarks

<b>Operation</b>				
Presentation				
<b>Description of Well – Names, Geometry, Services, Location and References: General Content</b> Header, user of trademarks, directional data, well plot, order of components, spelling and style, units sensor to toolface angle recorded				
<b>Equipment and Software Description</b> Tool sketch, equipment numbers, software versions, data rates, filtering weights				
<b>Processing Traceability and Environment Description</b> Acquisition environment, parameters and key constants for each run or zone, complete and relevant remarks				
<b>Annotations, Presented Formats, QC Curves, Print Quality</b> Documented splice points; data gap explanations, mud changes, movement indicator, color selection				
Calibration and Verifications				
<b>Calibration / Before survey verification / After survey verification</b> Validity, completeness (includes equipment number), timeliness, unedited, discrepancy explained				
Operating Procedures				
<b>Depth Control</b> Comparison with driller's depth, other logs, other bit runs, between RT and RM, Depth summary listing				
<b>Logging speed and sampling rates</b> As recommended in reference manual or job planner. No loss of data or spatial resolution				
<b>Data Comparison</b> Between runs and passes, with data from nearby wells, other conveyance, mud log and markers				
<b>Operating Anomalies/Failure/Missing Data/Sensor Orientation/Transmission Losses</b> Absence of noise and spurious variations, anomaly repeated, corrected, reported or explained.				
Digital Delivery				
<b>Digital Products</b> Labeled, verification listing with complete digital record, backup for archival; record matches hard copy.				
<b>Job Quality Rating (JQR)</b> Number of boxes without number X 10				
Environmental effects				
<b>Irregular Operation</b> Excessive ROP or speed, high deviation, shocks, vibrations, sticking conditions				
<b>Borehole Geometry</b> Shape (caves, etc), rugosity, spiralled hole, mud induced fractures. Casing, tubing conditions				
<b>Borehole Fluid</b> Barite, KCl, salinity, additives, gas cut, unstable				
<b>Interferences</b> External noise, nearby casing or drillpipe, debris, unusual formation composition				
<b>Operation Outside Tool Specifications</b> Geomarket/temperature, pressure, hole size, hole deviation, dog-leg severity, flow rate, ppm, solids value of parameter				
<b>Environmental Quality Rating (EQR)</b> Number of boxes without number X 20				

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Cell Manager: Mario Jakui

FSM: ND Maduenza

