

HALLIBURTON										CEMENT BOND LOG									
Company SRC ENERGY					Well BOST FARM 8C-8-L					Field WATTENBERG					County WELD State CO				
Company SRC ENERGY					Well BOST FARM 8C-8-L					Field WATTENBERG					County WELD State CO				
API No.: 0512347696					Serv #: 905409110					Location: SURFACE HOLE LOCATION:					Other Services				
LATITUDE: 40.417482					LONGITUDE: -104.829014					Sec: 7 Twp: 5N Rge: 66W					CAST JUNK BASKET GAUGE RING PLUG & PERF				
Permanent Datum					GROUND LEVEL					Elevation 4885					Elevation				
Log Measured From					KB					20 Ft. above perm. datum					K.B. 4905 D.F. 4905 G.L. 4885				
Drilling Measured From					KB														
Date @ Time Logged					01/20/19 @ 23:47					Type Fluid in Hole					FRESH WATER				
Run No.					ONE					Density of Fluid					8.4 #				
Depth - Driller					17760					Fluid Level					SURFACE				
Depth - Logger					7486					Cement Top Est. Logged					REC				
Bottom - Logged Interval					6640					Equipment / Location					11874896 / BRIGHTON				
Top - Log Interval					SURFACE					Recorded by					J. TRAXINGER				
Max. Recorded Temp.					220 F					Witnessed by					B. KOTHE				
CEMENTING DATA					Surface String					Protection String					Production String				
Date / Time Cemented															Liner				
Primary / Squeeze																			
Expected Compressive Strength					psi@ hrs					psi@ hrs					psi@ hrs				
Cement Volume																			
Cement Type / Weight					/					/					/				
Formulation																			
Mud Type / Mud Wgt.					/					/					/				
Run Number					Borehole Record					Casing & Tubing Record									
					Bit From To					Size Weight					From To				
															</				

No.	FROM	TO	Pressure	TEMP				
ONE	6640	SURFACE	2500	80				
	GAMMA		AMP					
Pass	Scale		Scale		Scale		Scale	
No.	L	R	L	R	L	R	L	L
	0	150	0	100				
DIRECTIONAL INFORMATION								
Maximum Deviation			deg. @		KOP			

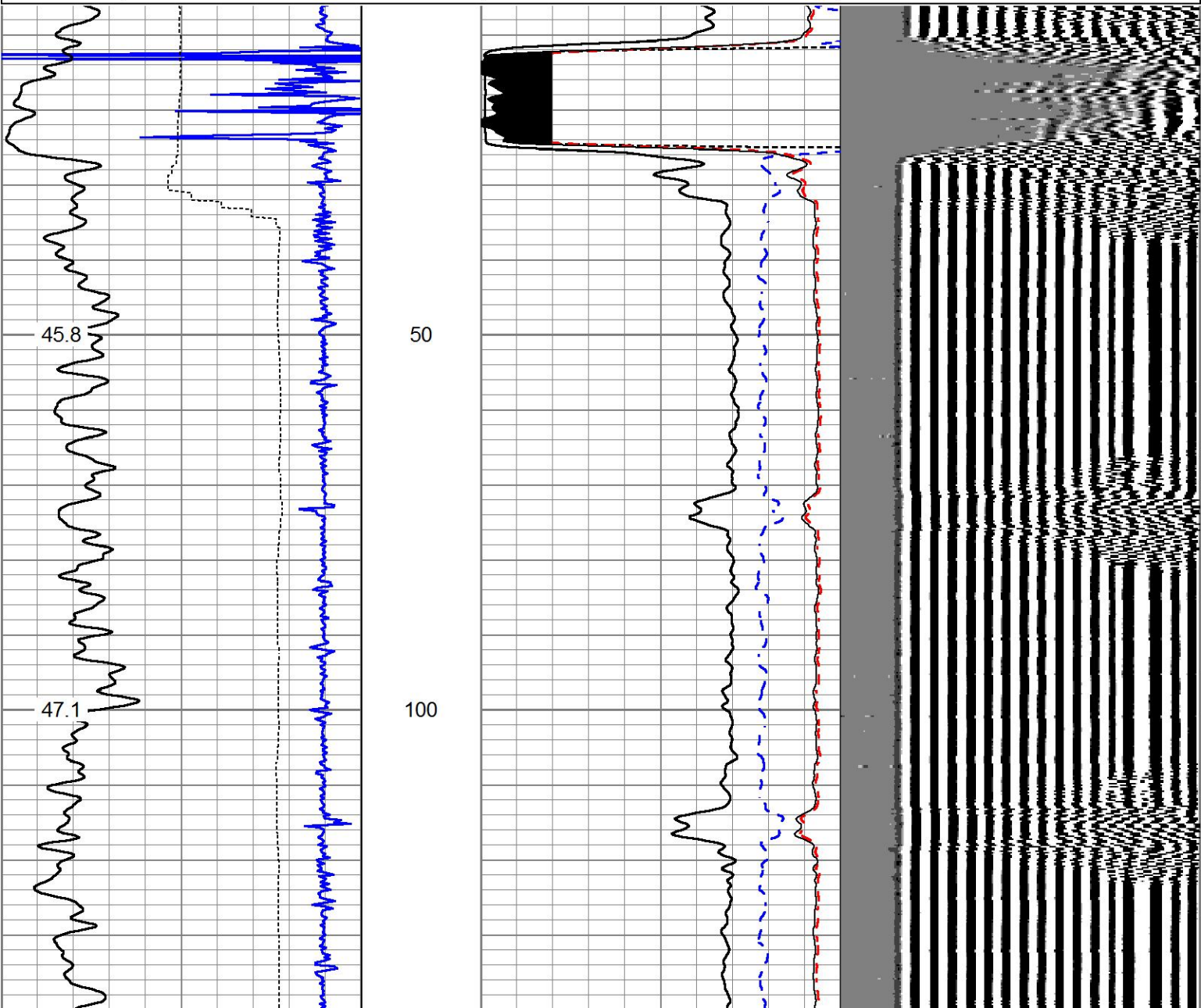
MAIN PASS

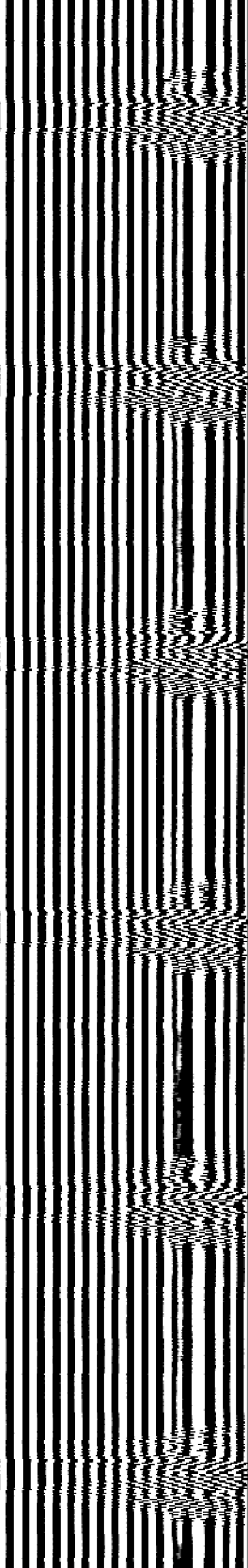
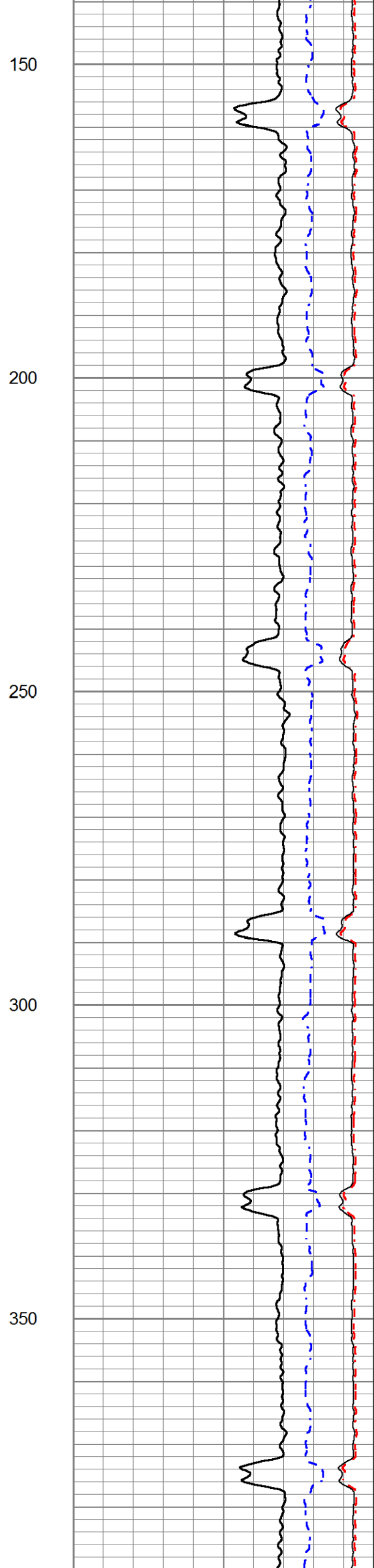
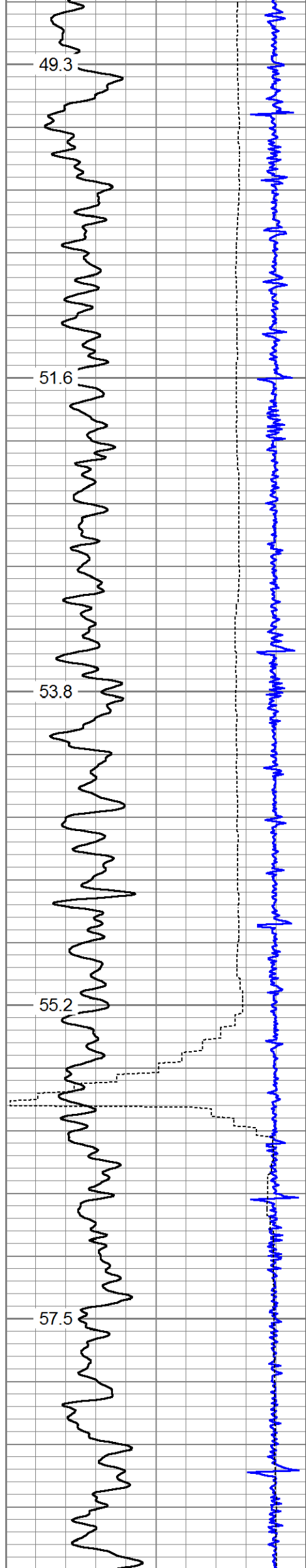
HALLIBURTON

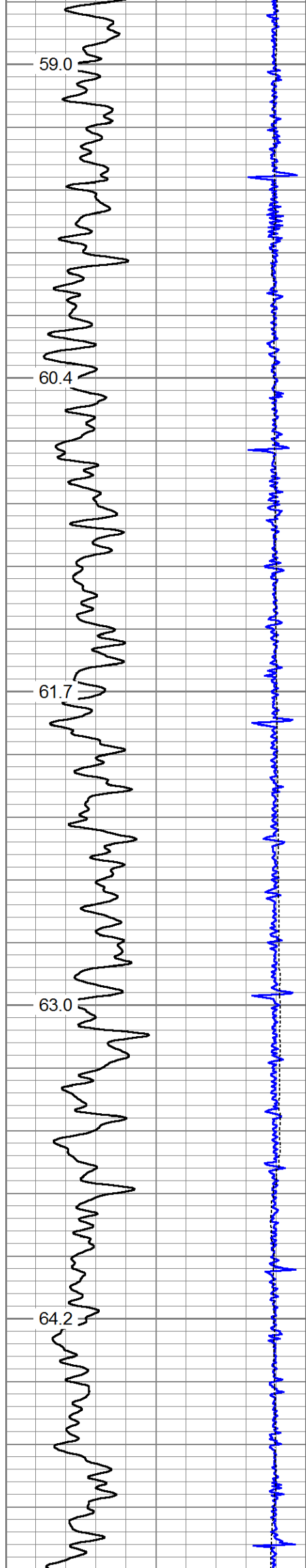
5"=100'

Database File src_bost_farms_8c-8-l_cbl.db
Dataset Pathname Bost/8C-8-L_CBL/ONE/MAIN
Presentation Format cbl_dr
Dataset Creation Sun Jan 20 23:49:23 2019
Charted by Depth in Feet scaled 1:240

20000	DCCL (mV)	-2000	0	AMP3FT (mV)	100	200	WVF5FT (usec)	1200
0	Gamma Ray (GAPI)	150	200	TT3FT (usec)	275			
0	Line Speed (ft/min)	150	-15	Attenuation (db/ft)	0			
TEMP			1	Bond Index	0			
(degF)			200	PPT (usec)	275			







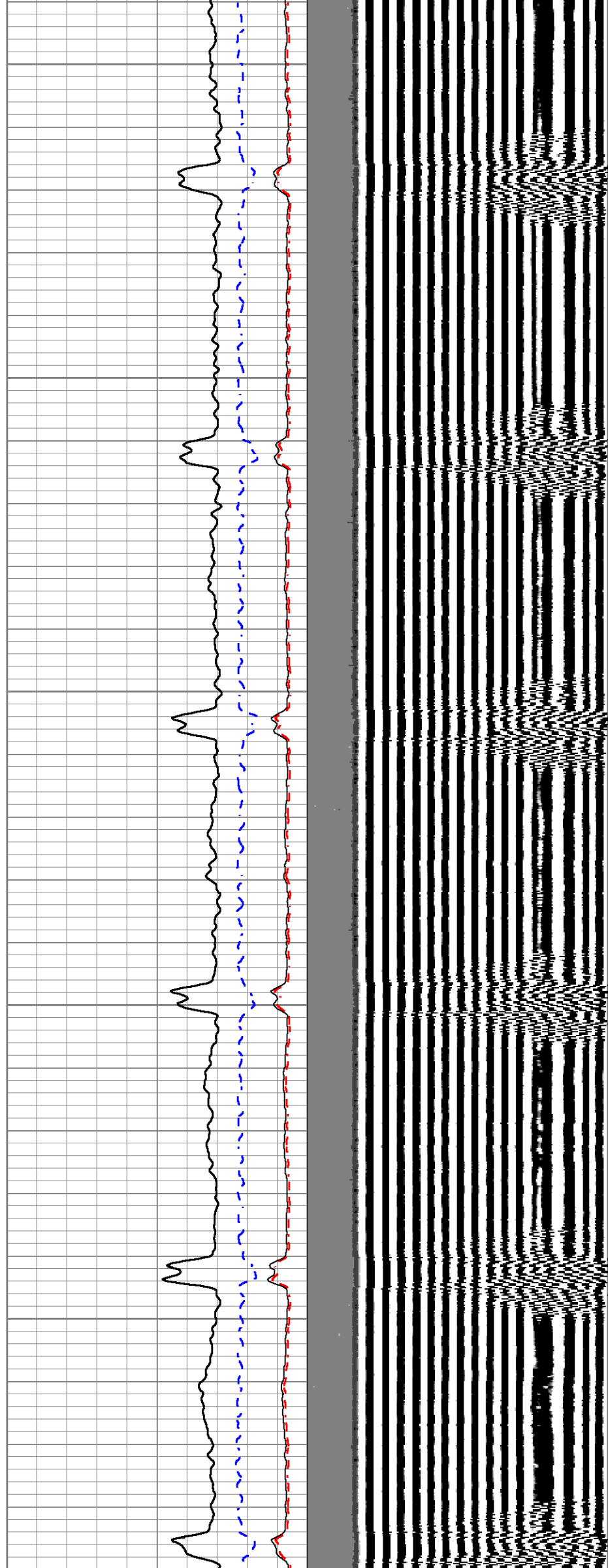
400

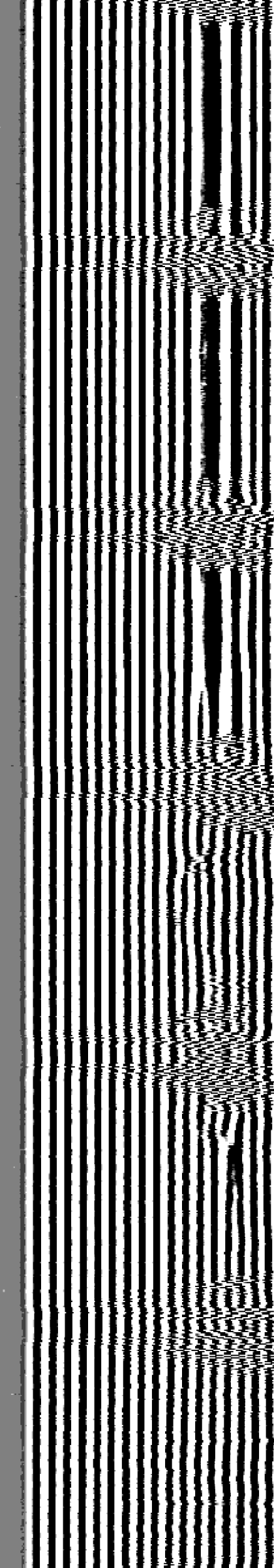
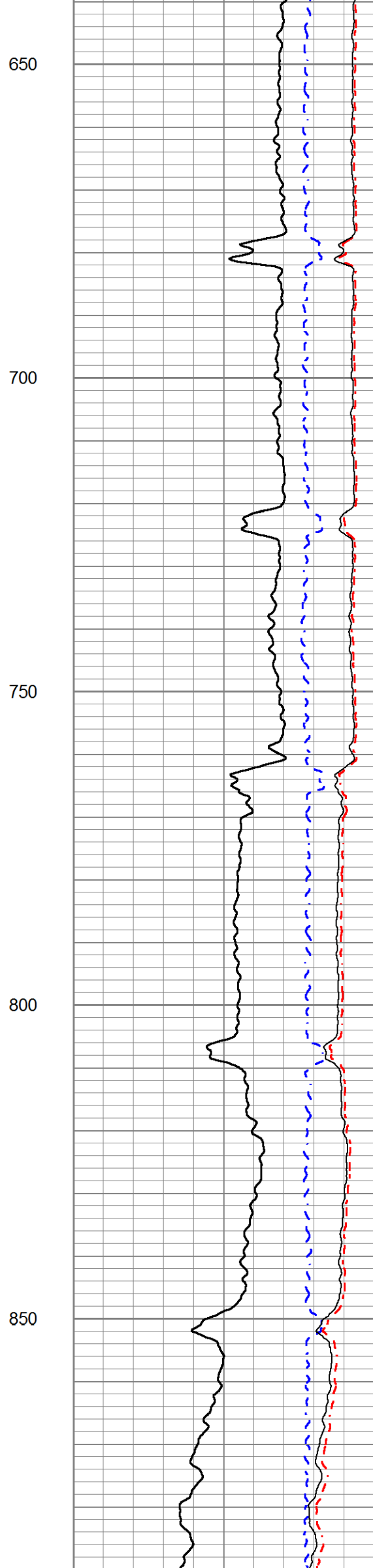
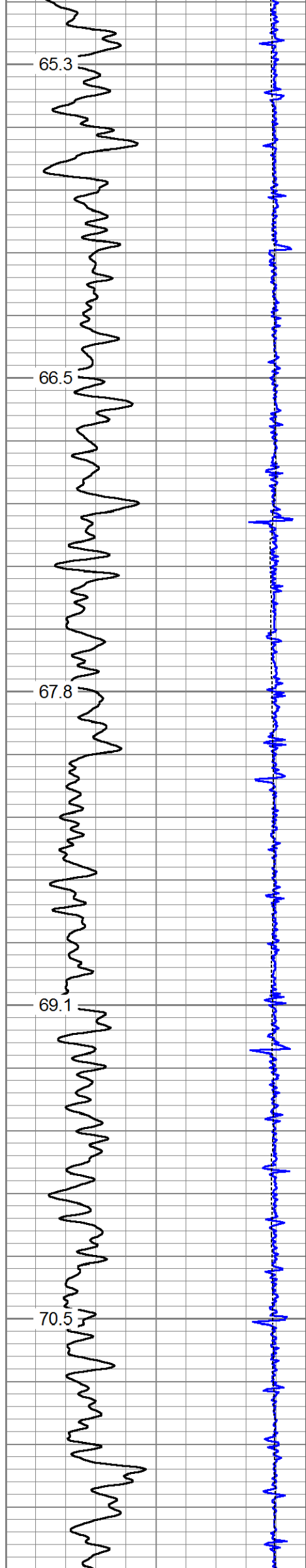
450

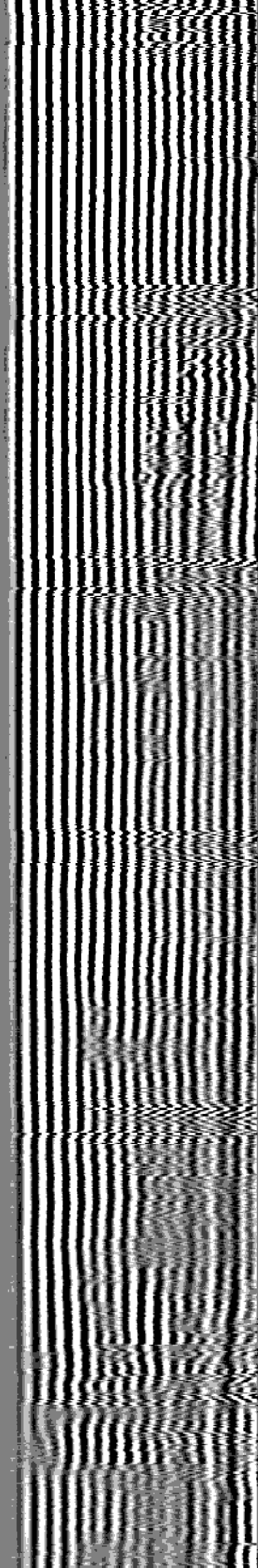
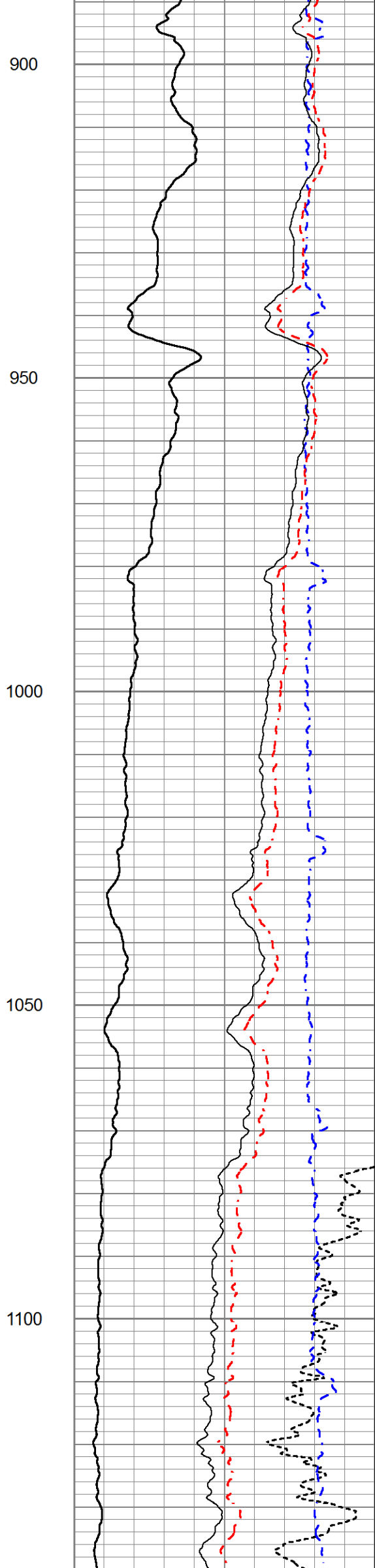
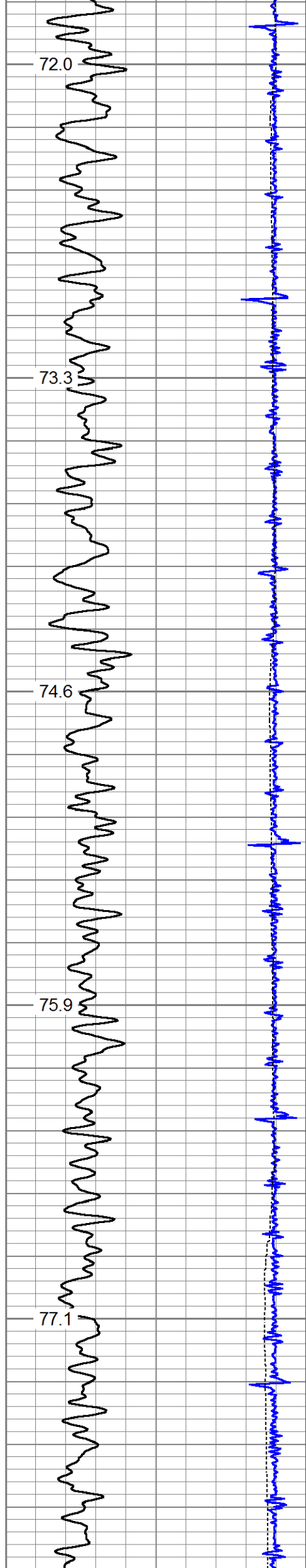
500

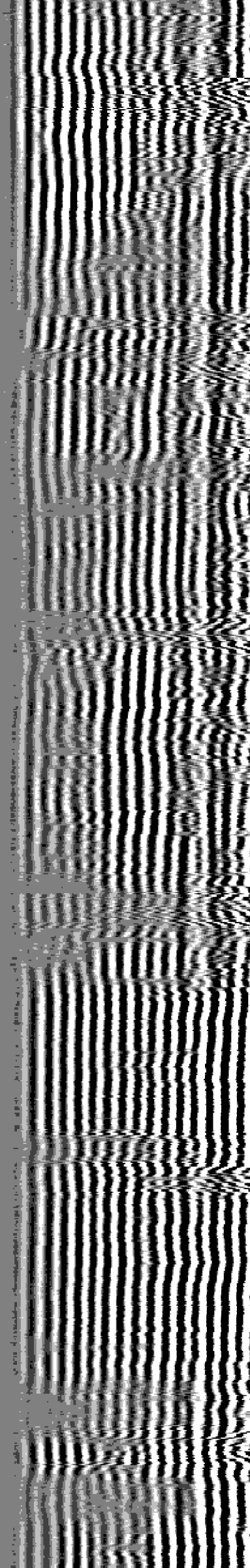
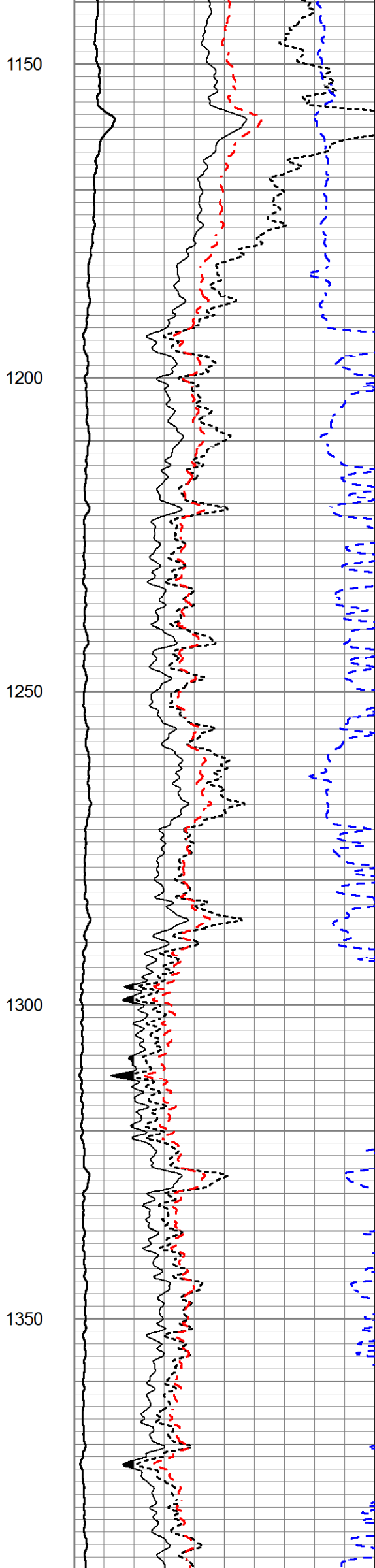
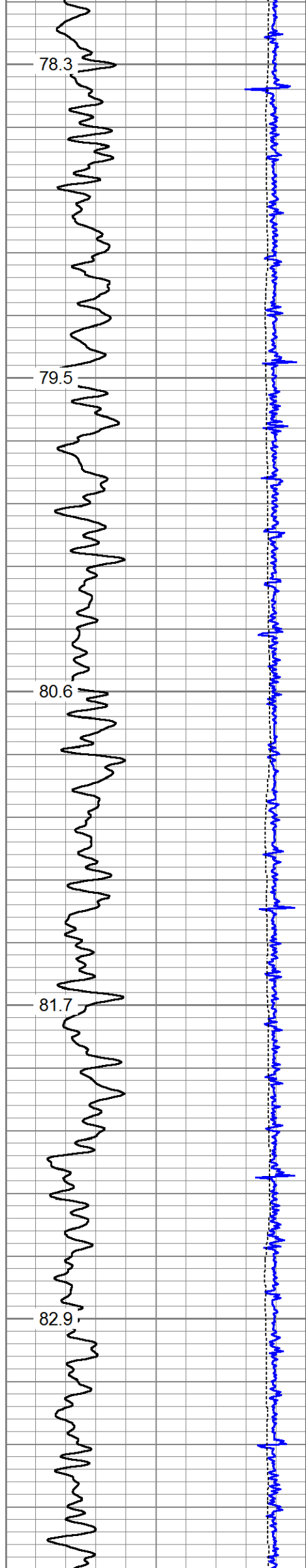
550

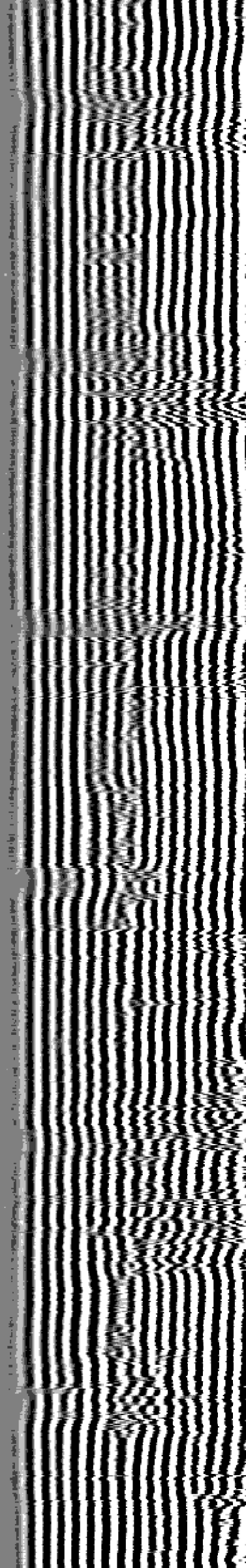
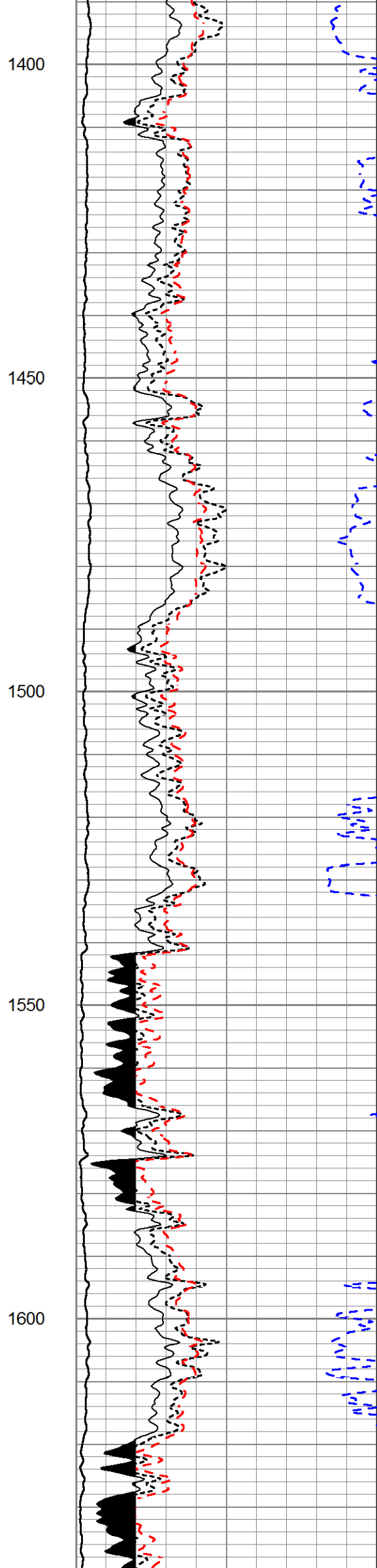
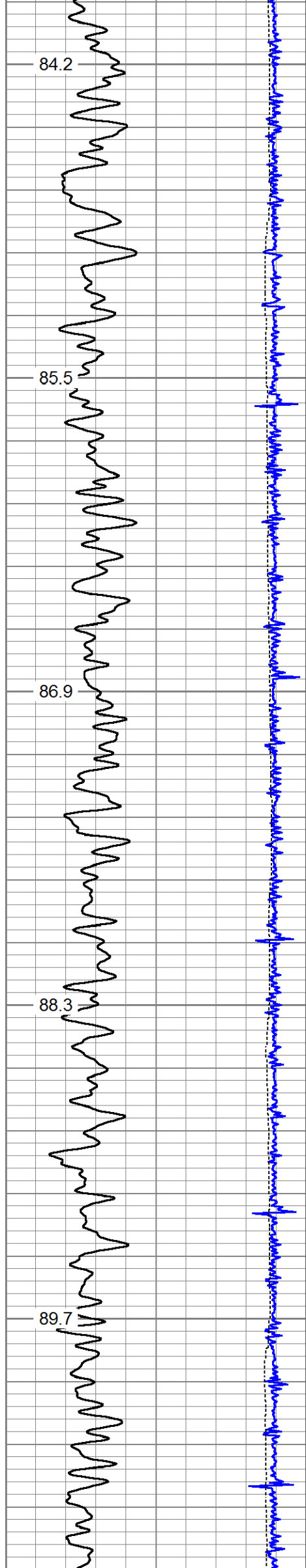
600

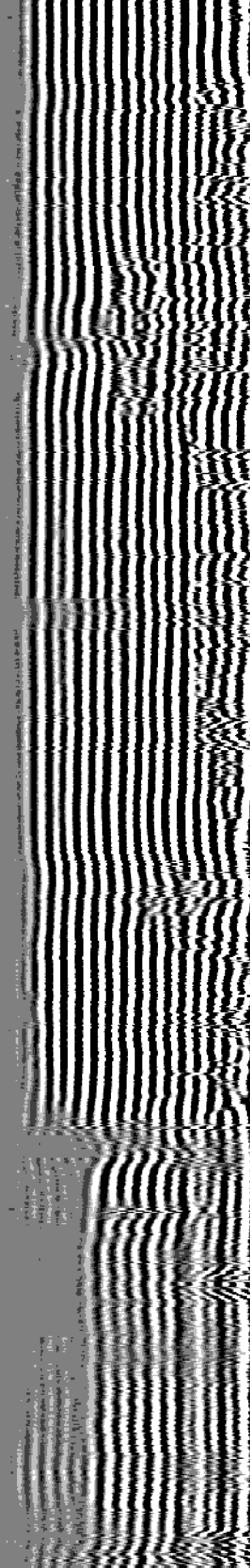
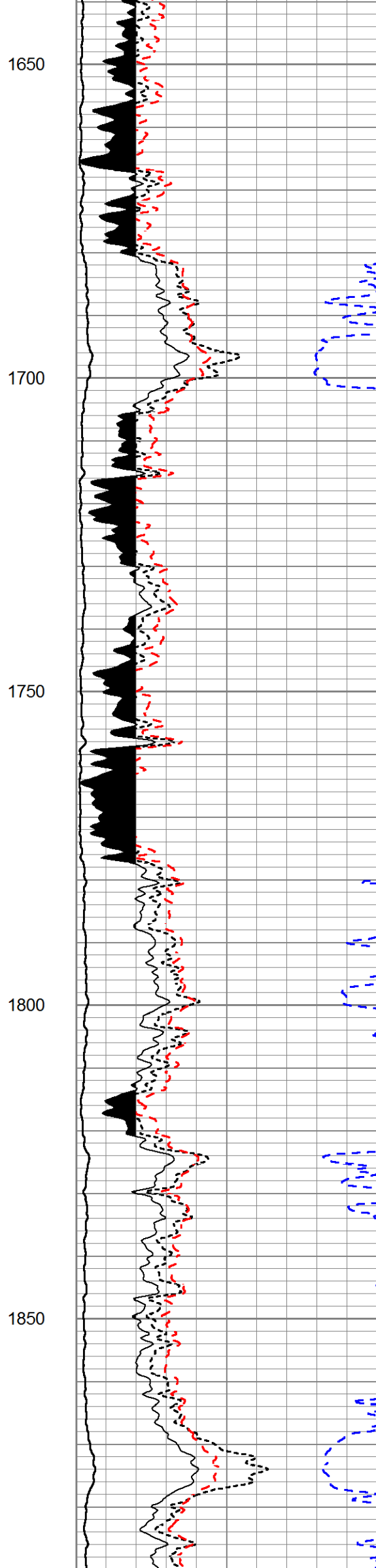
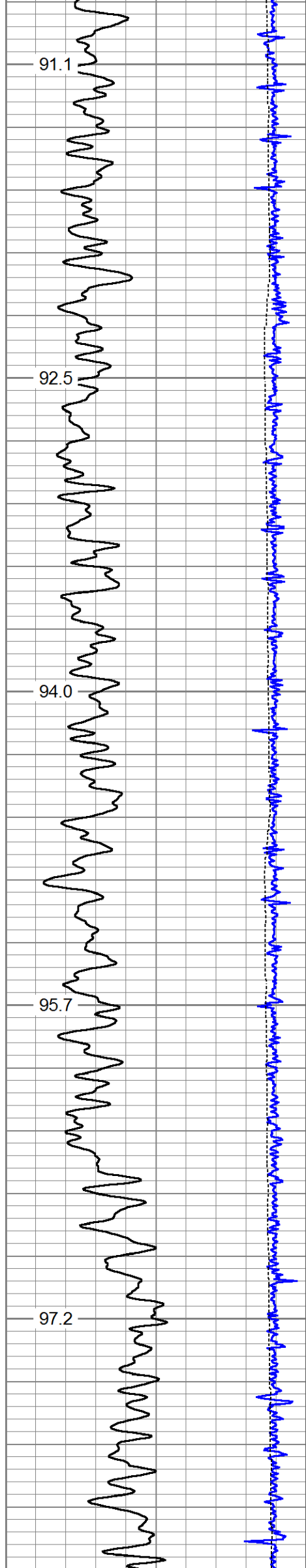


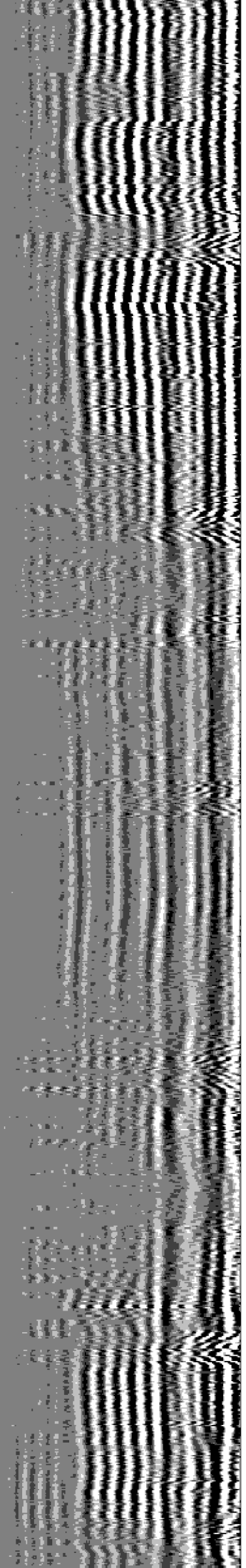
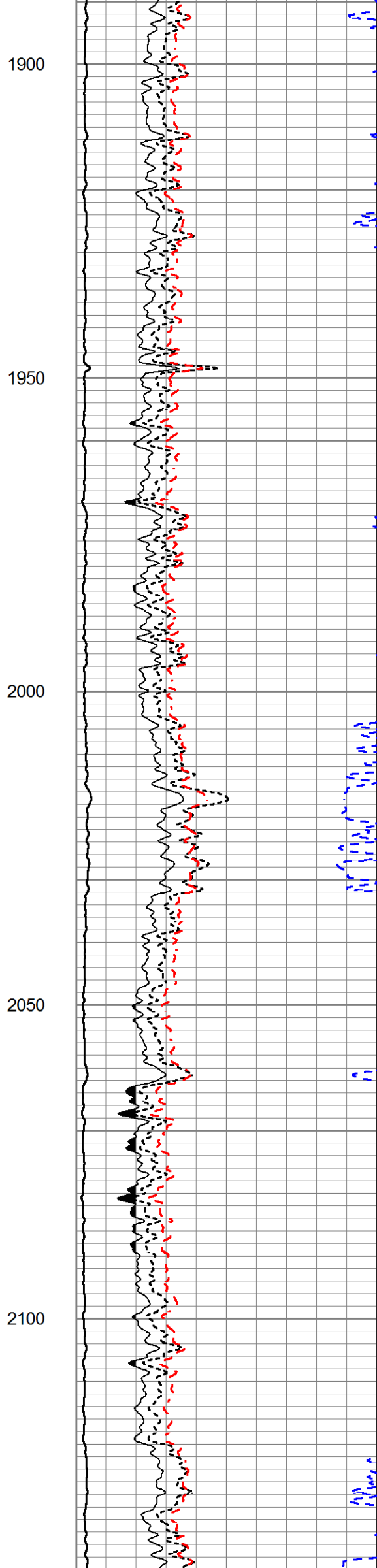
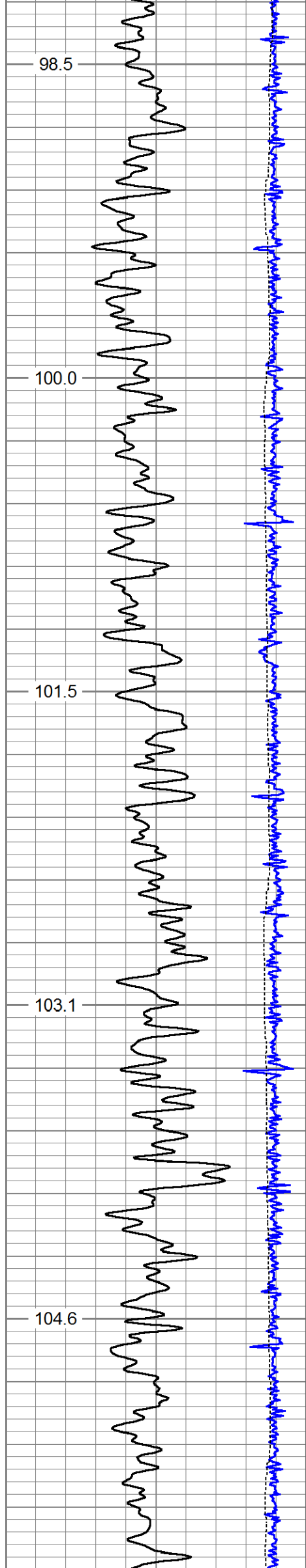


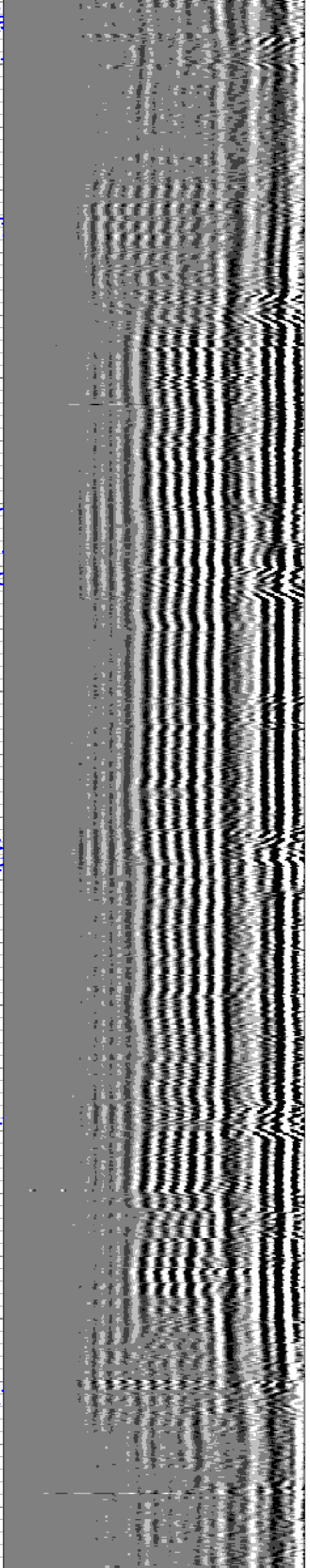
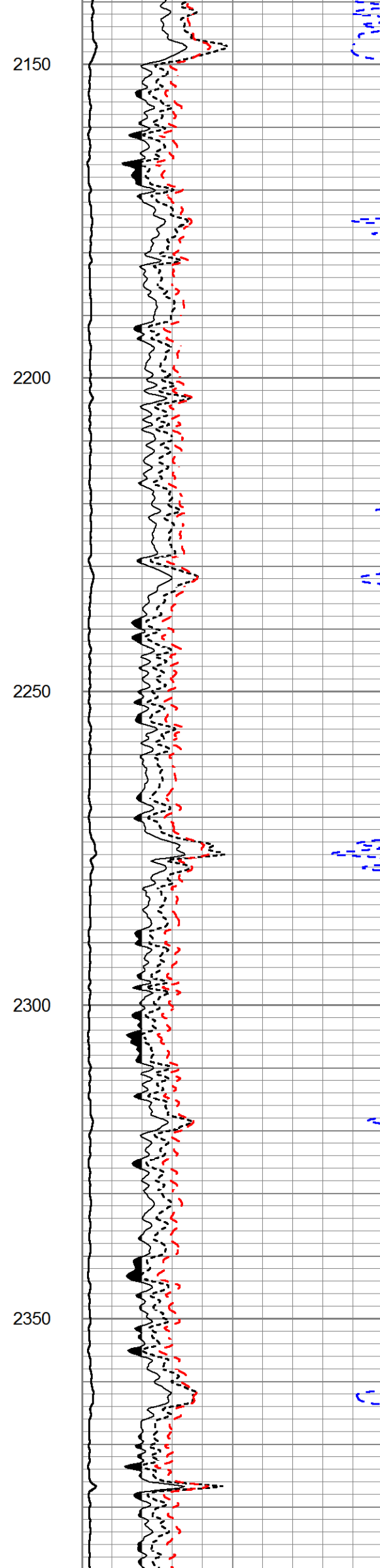
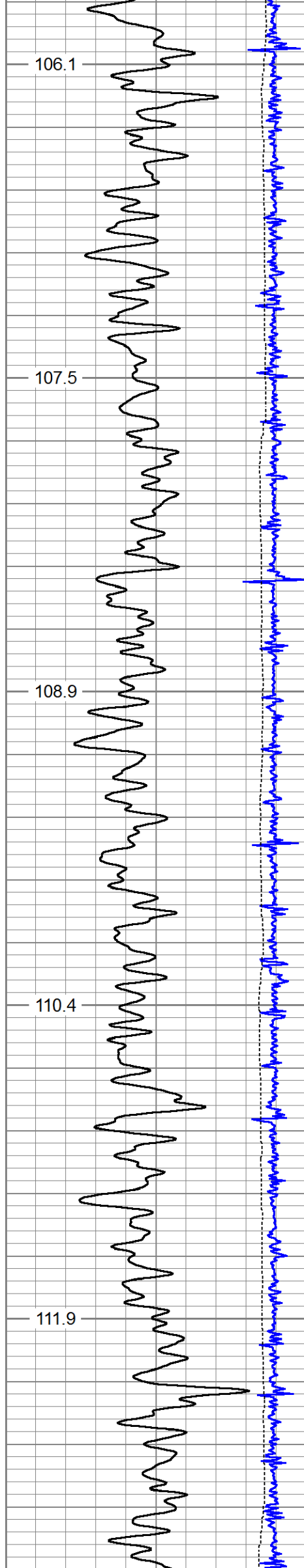


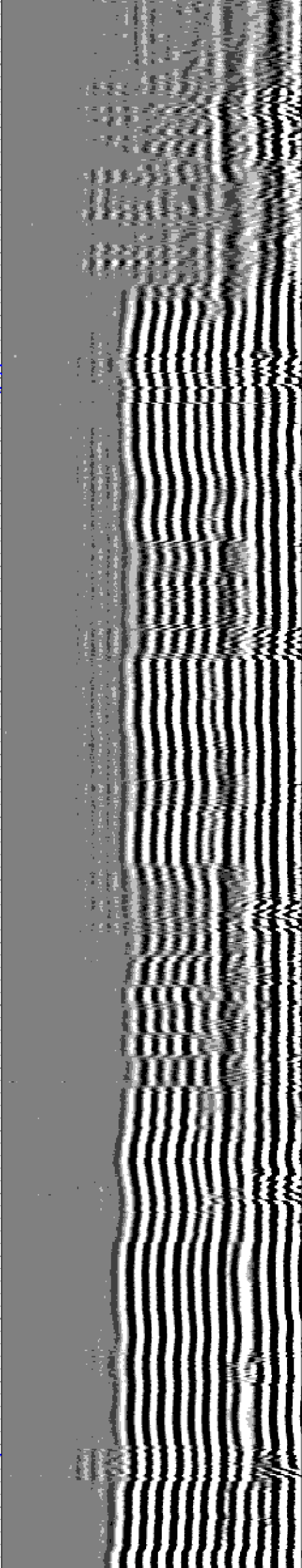
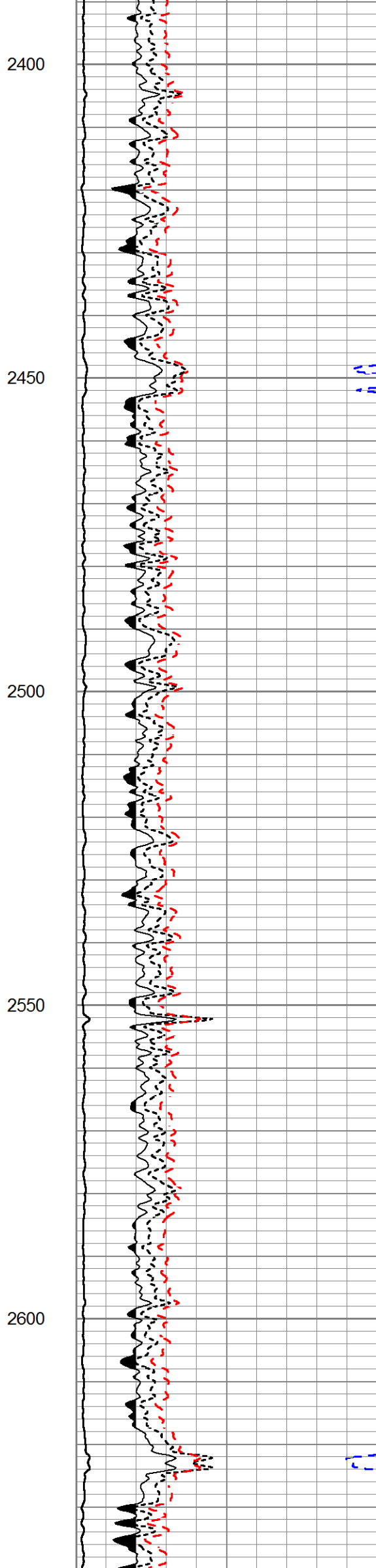
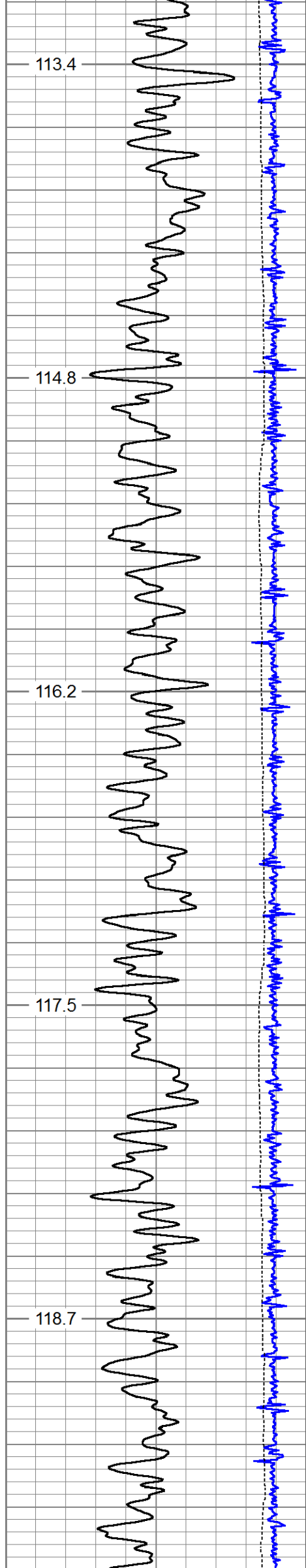


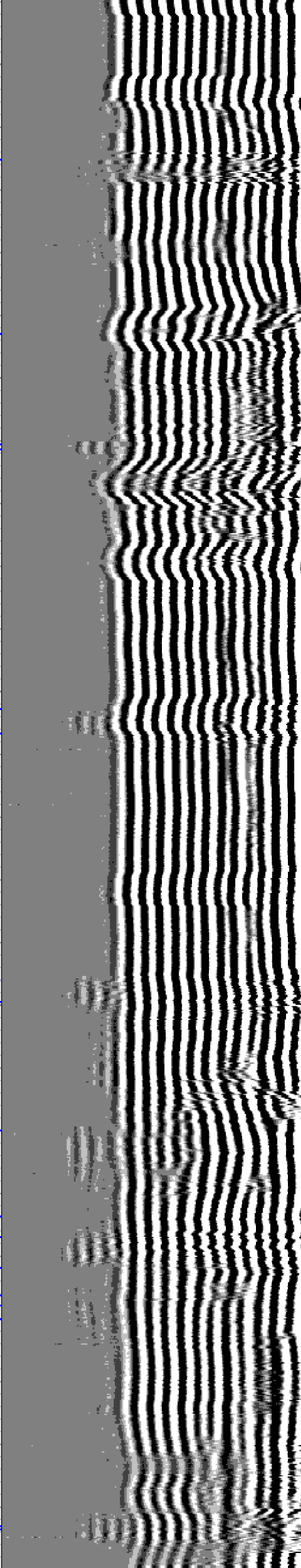
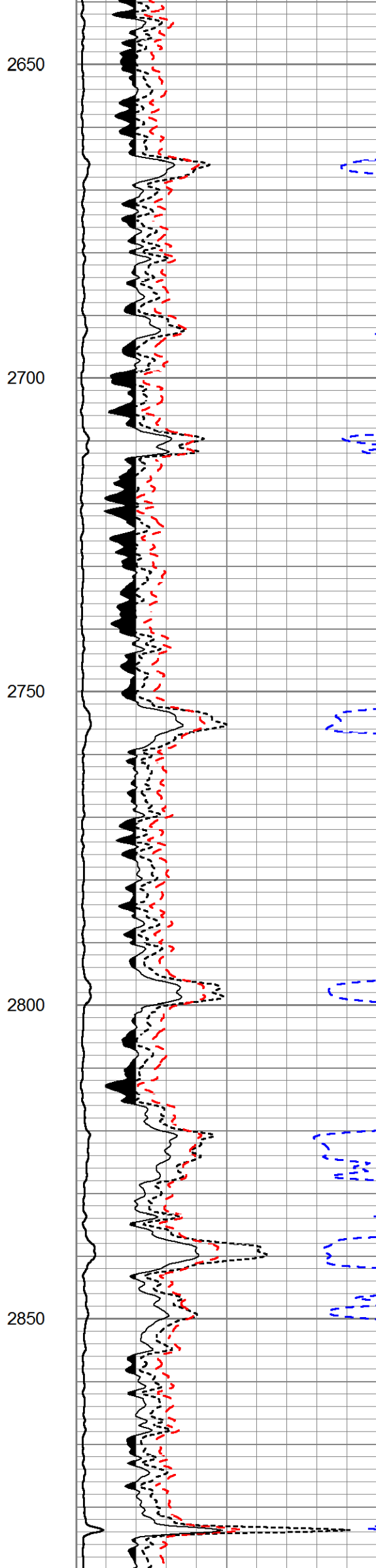
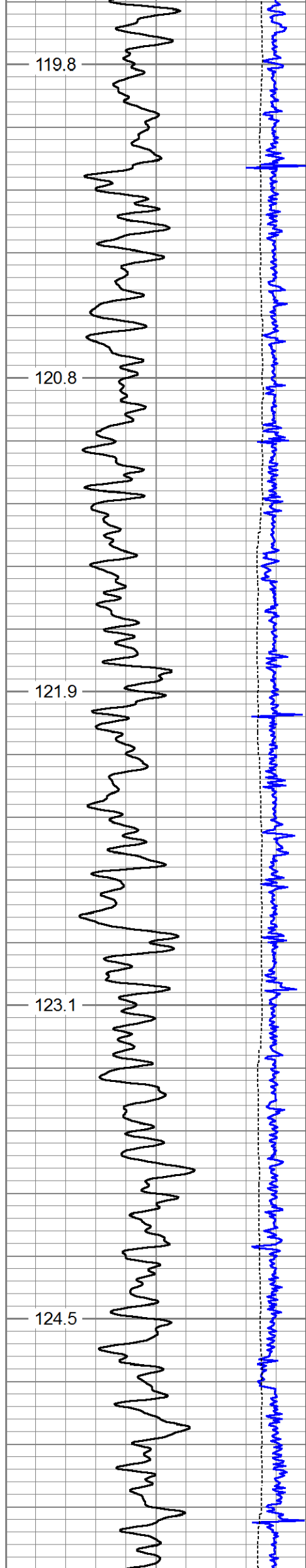


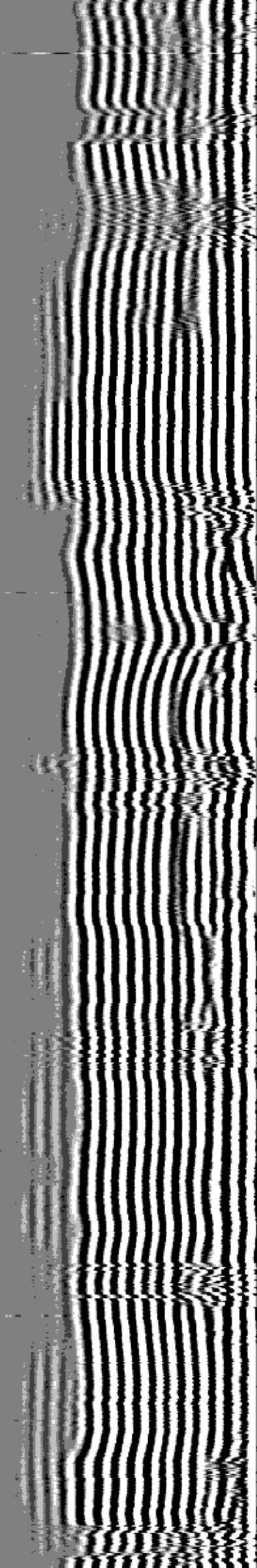
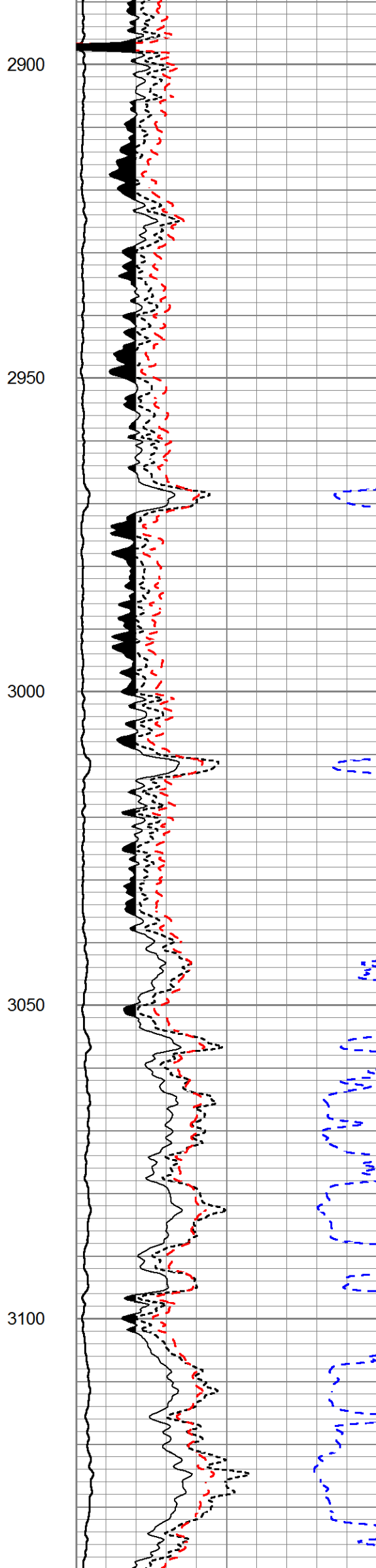
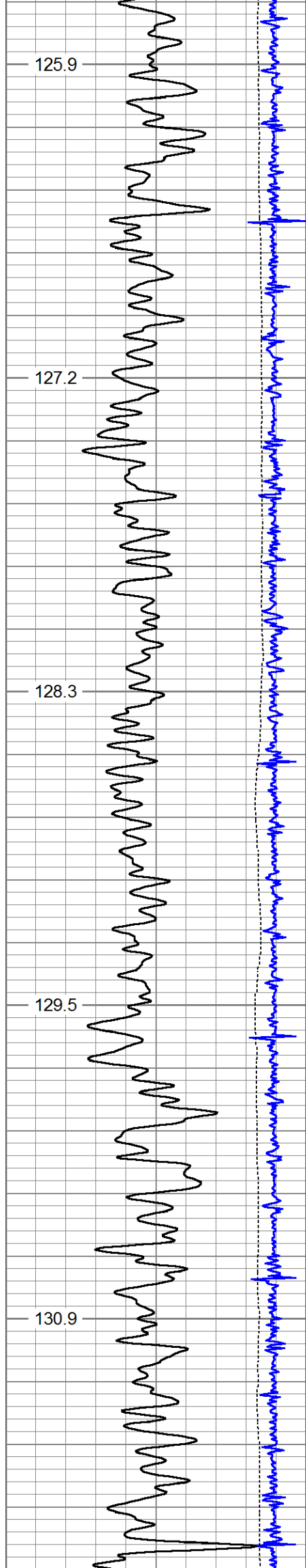


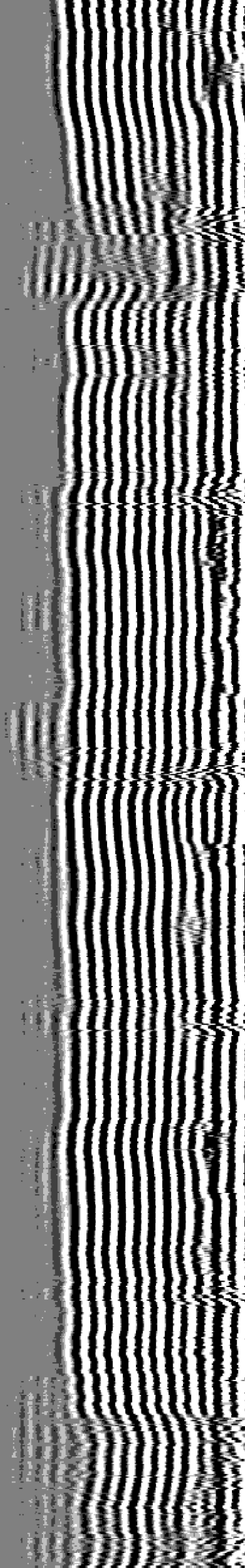
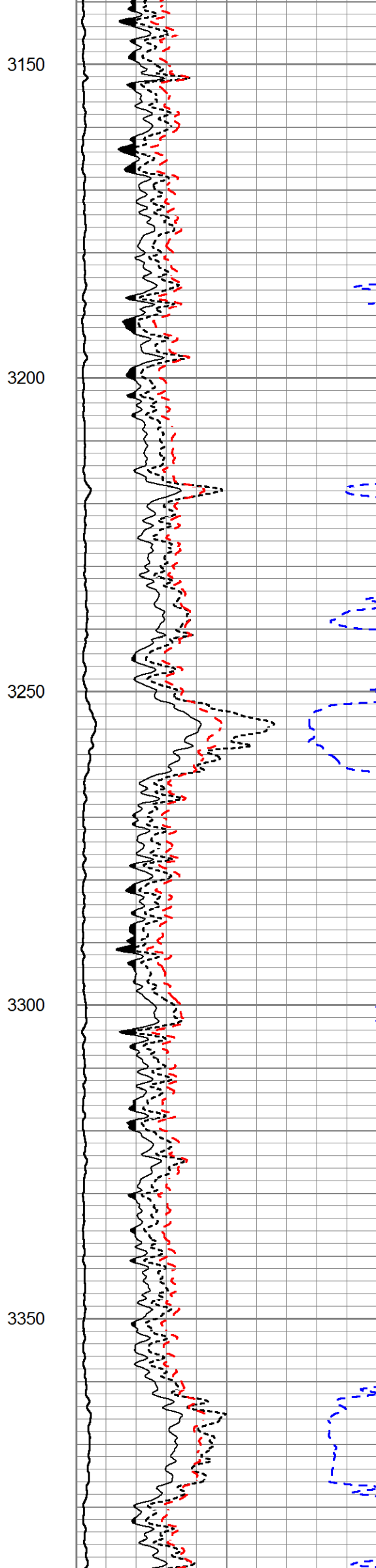
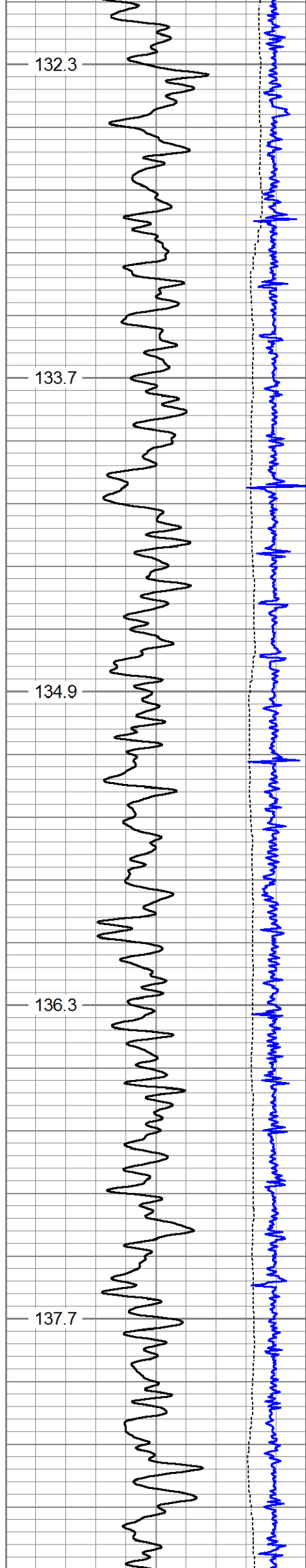


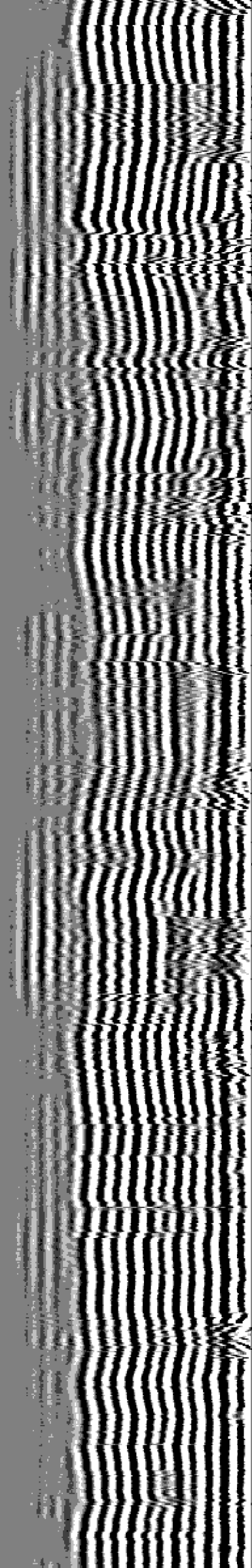
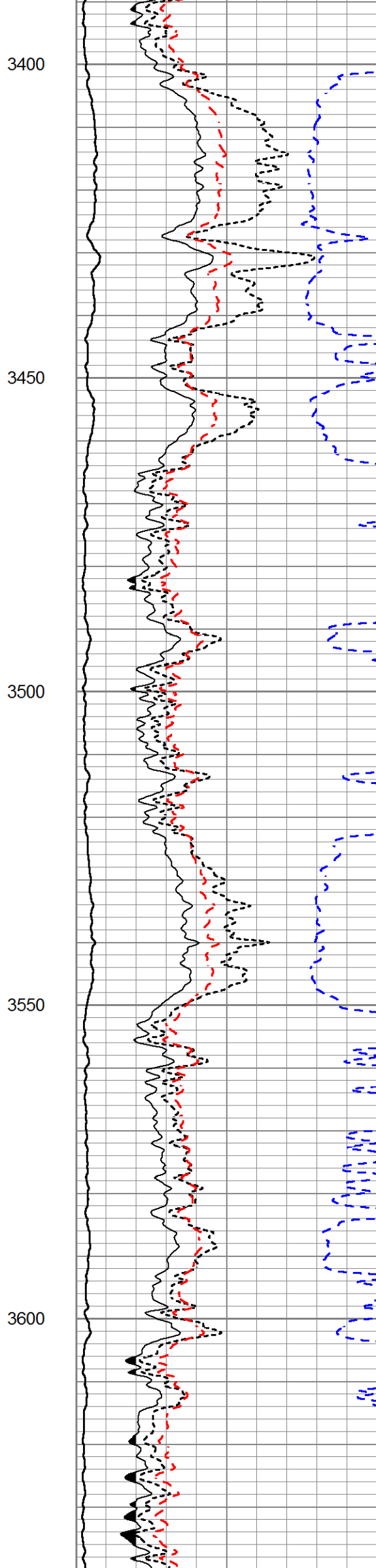
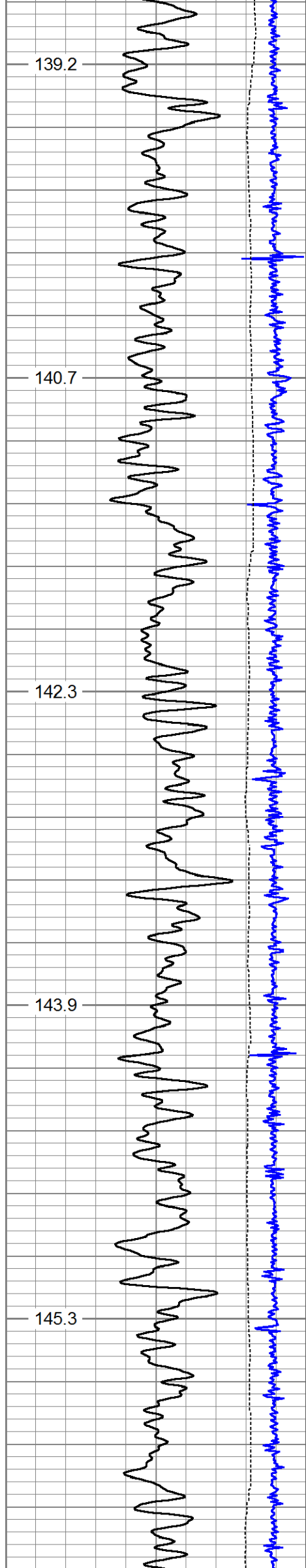


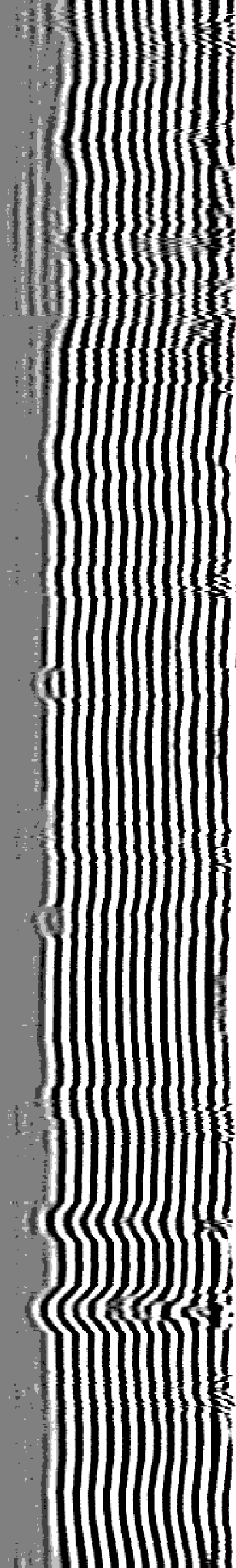
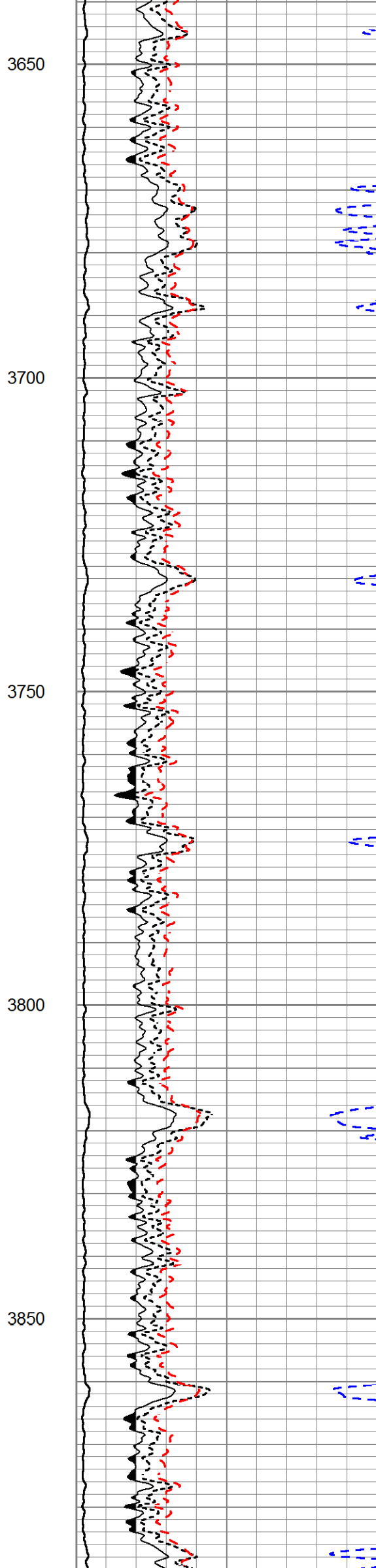
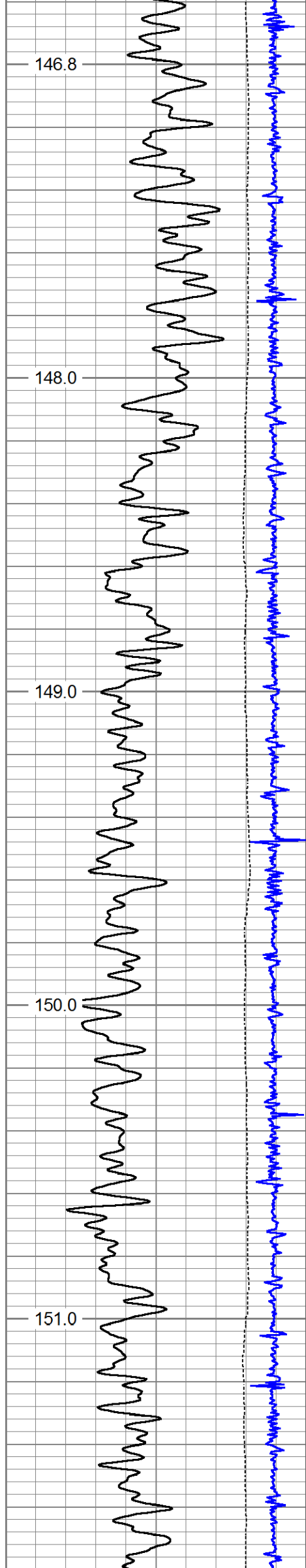


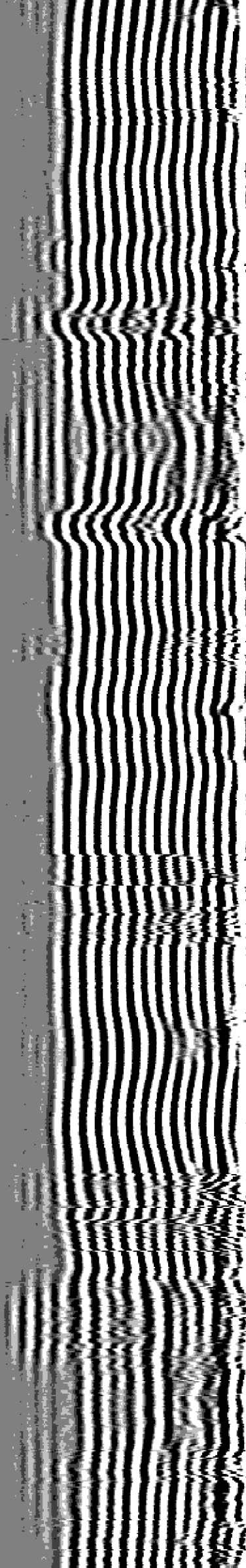
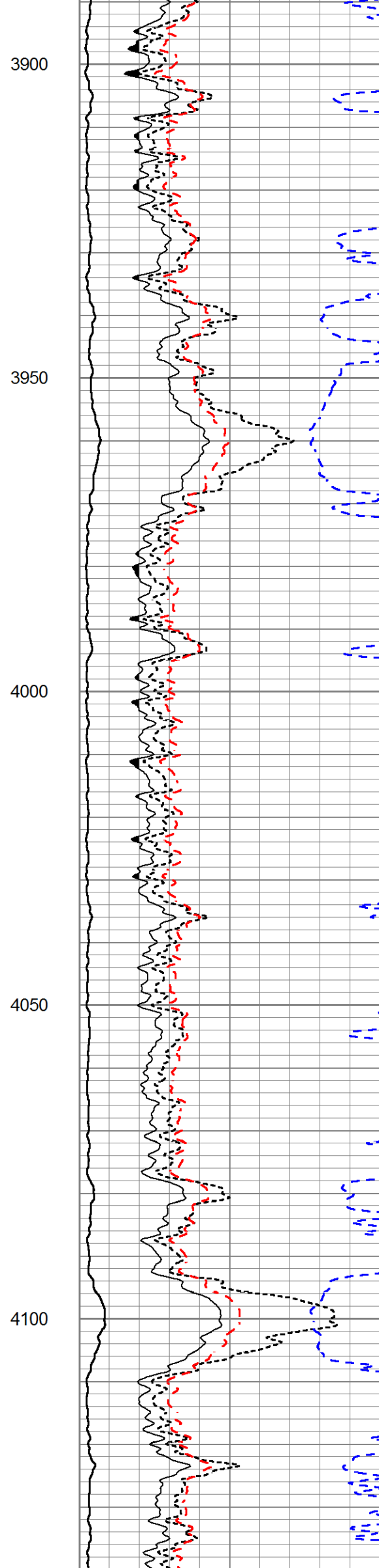
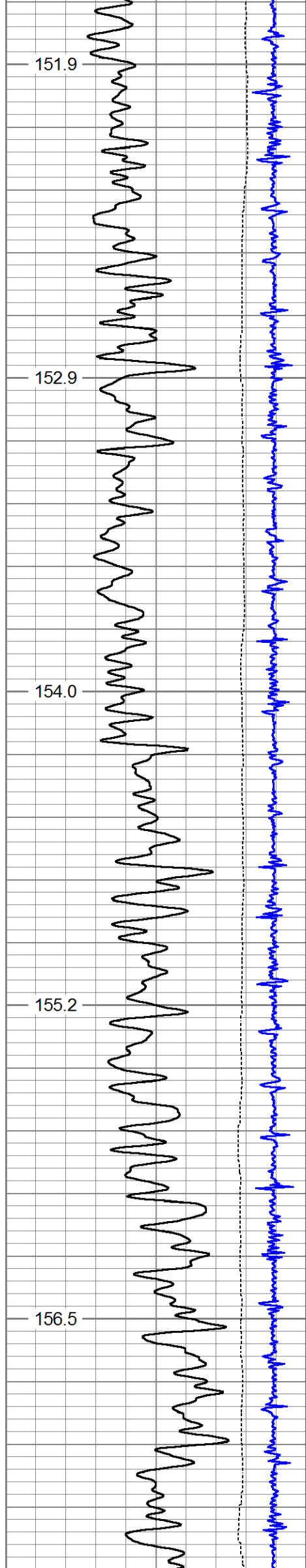


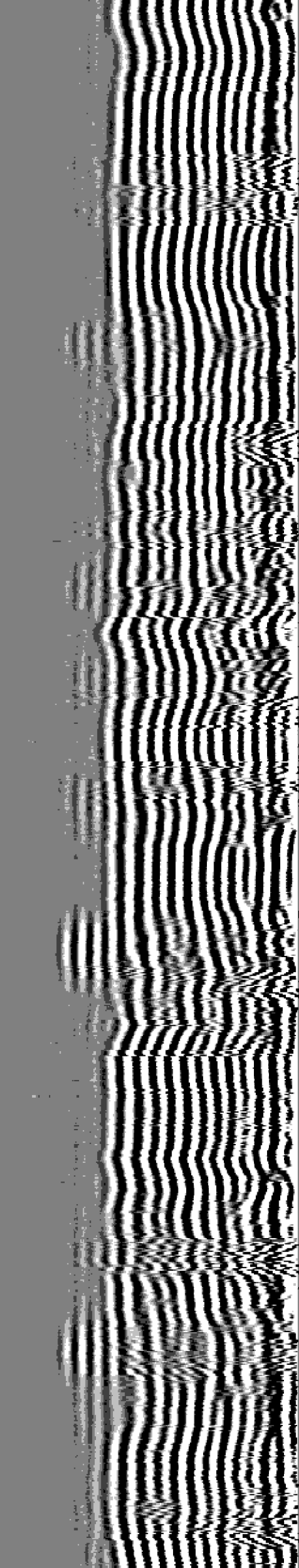
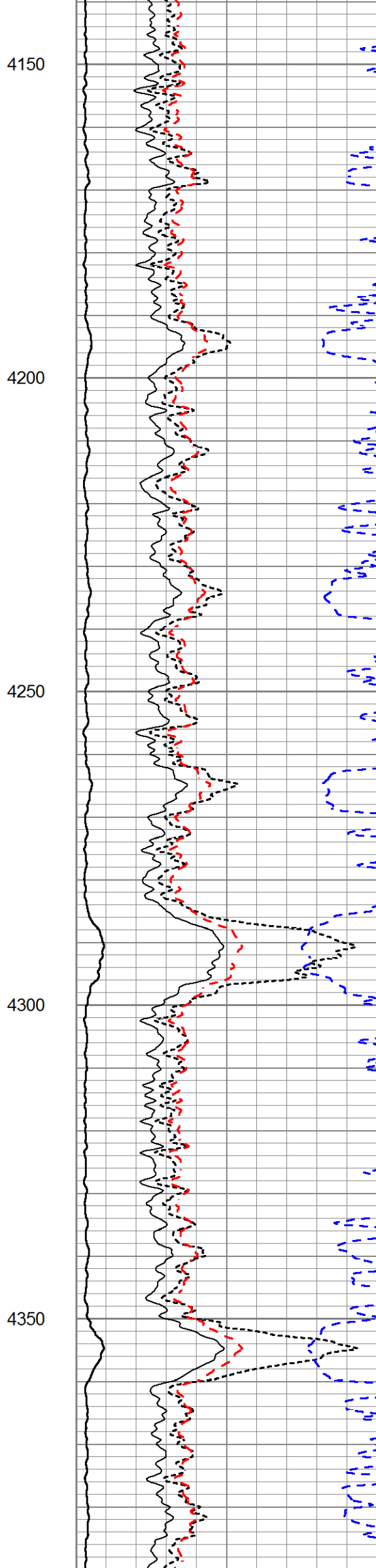
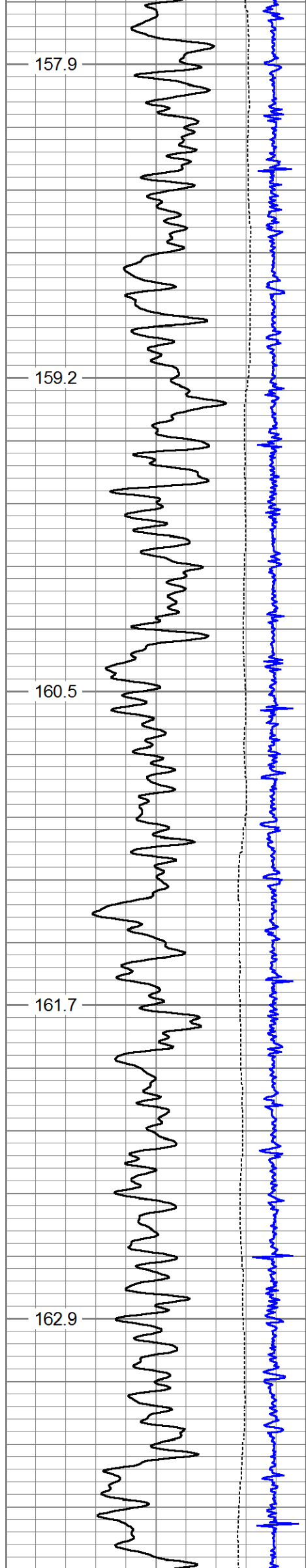


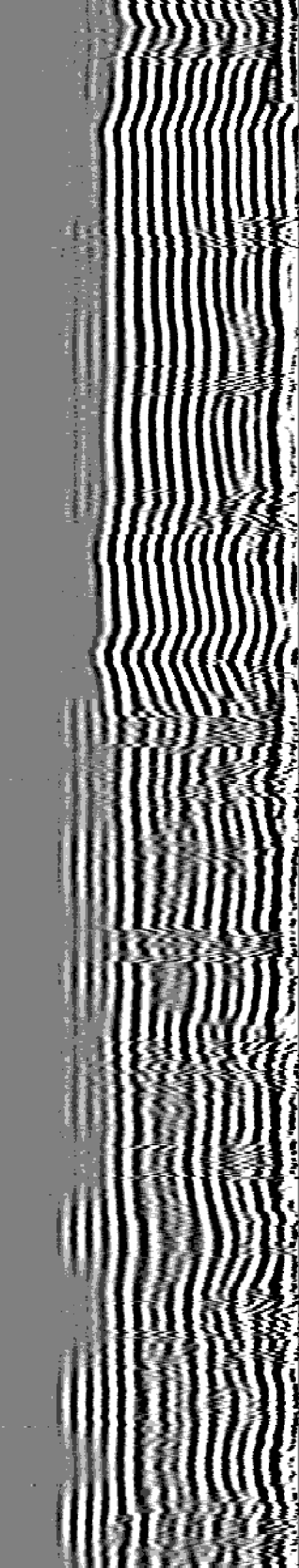
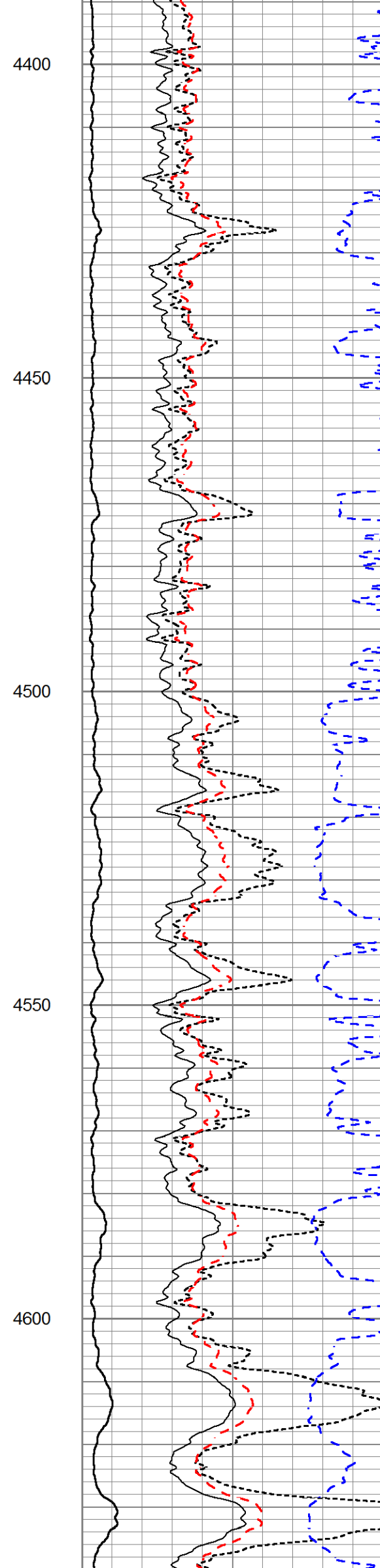
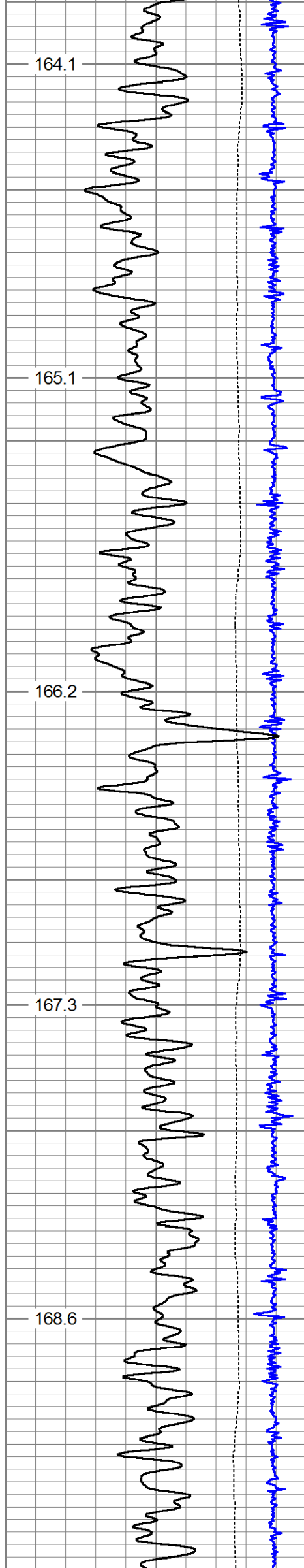


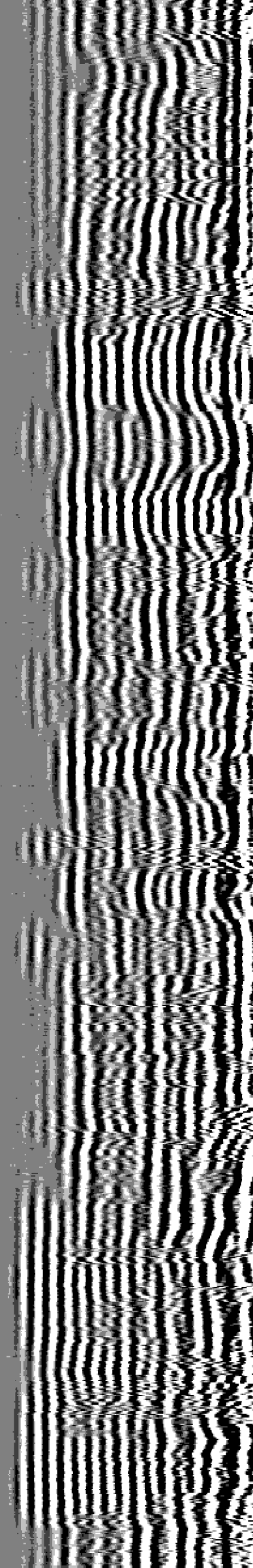
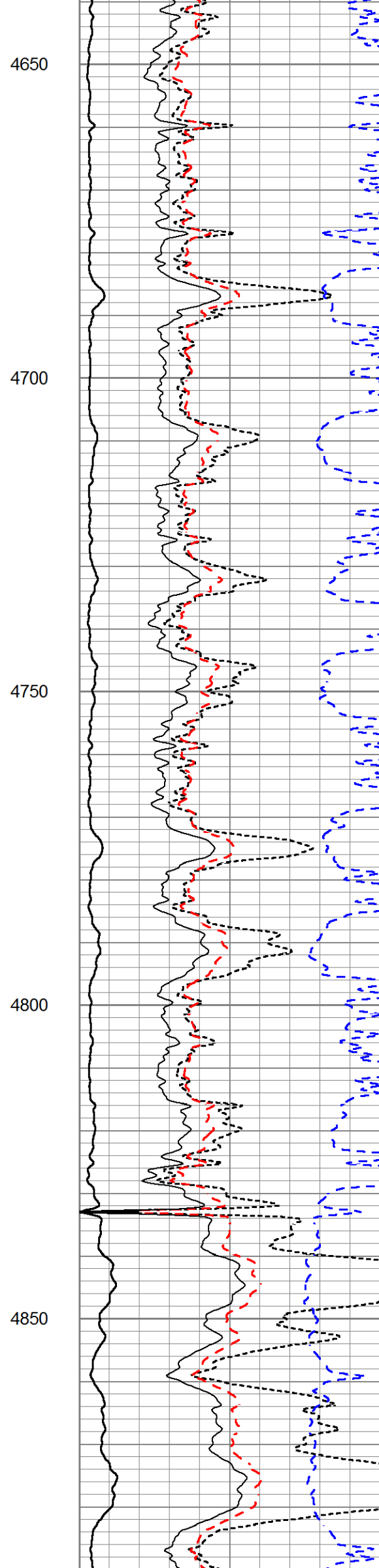
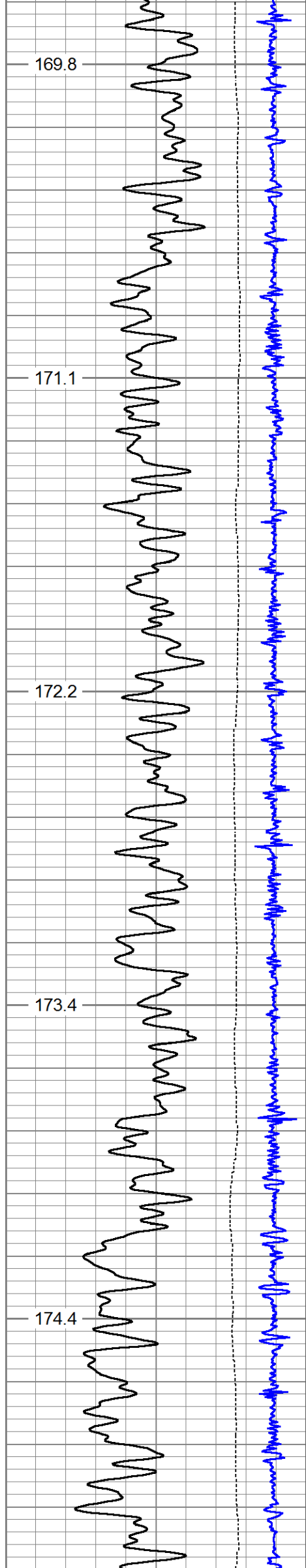


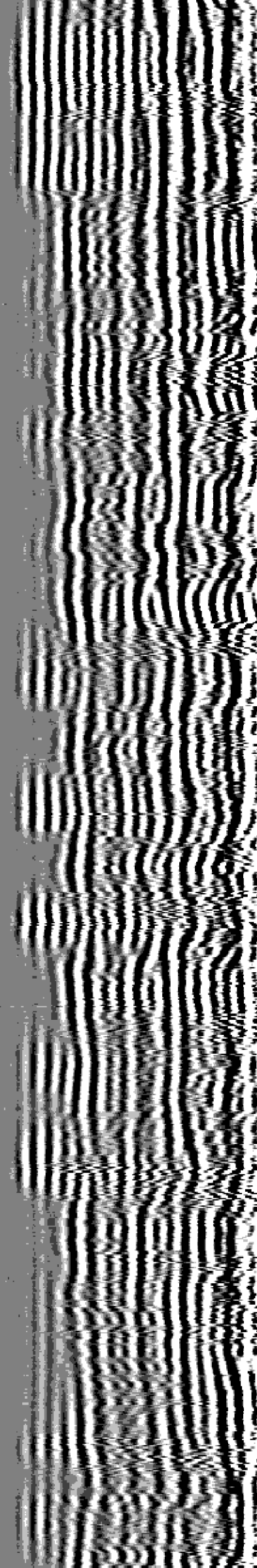
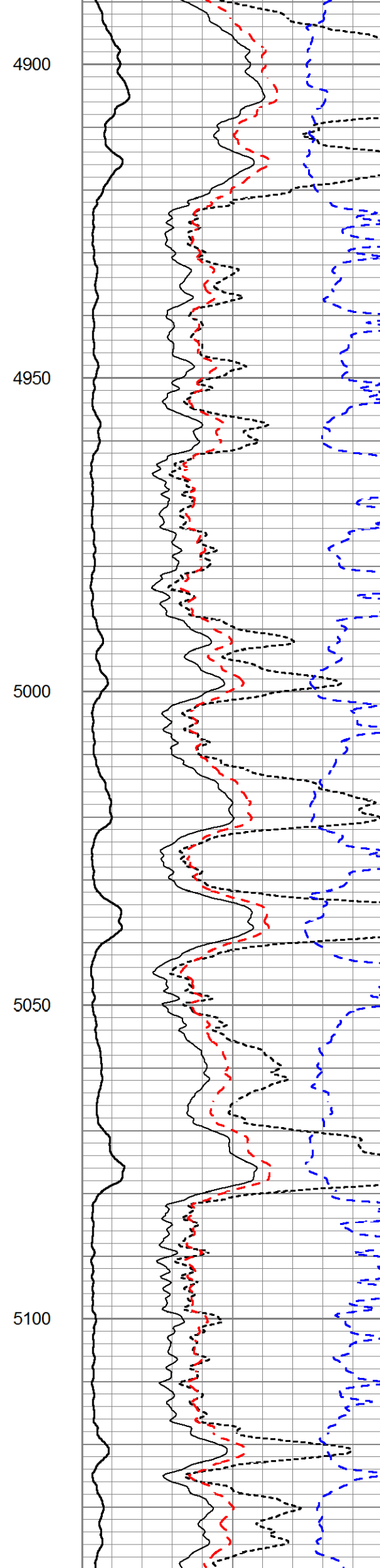
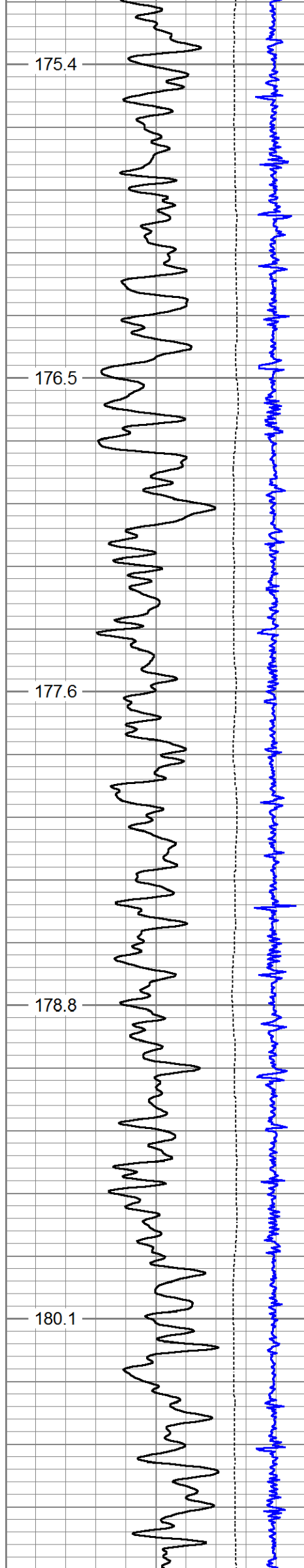


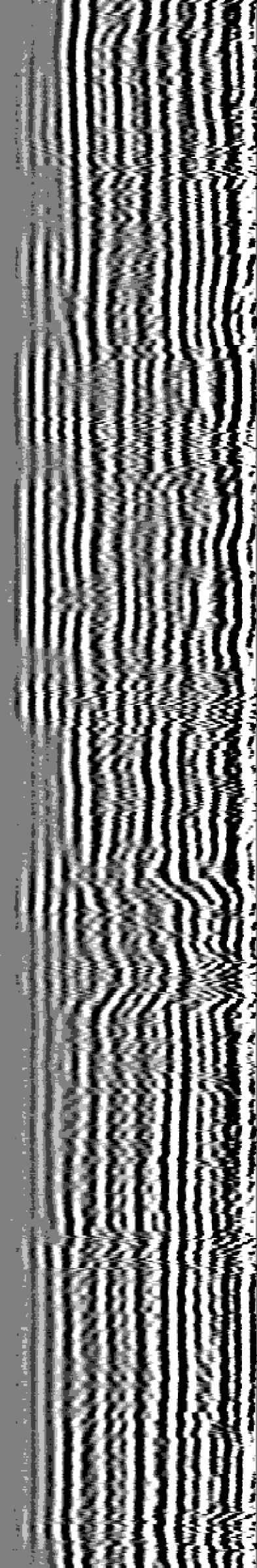
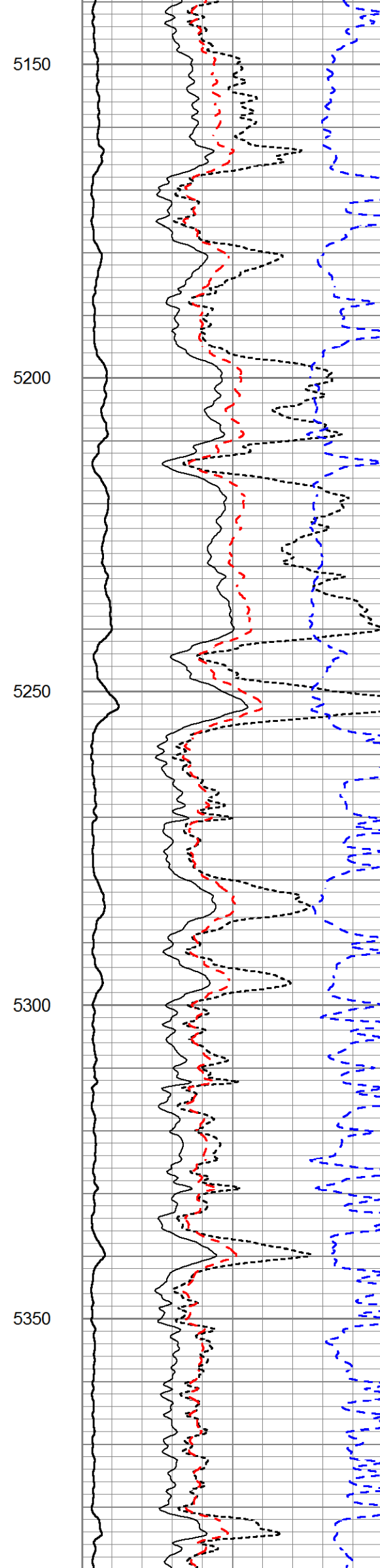
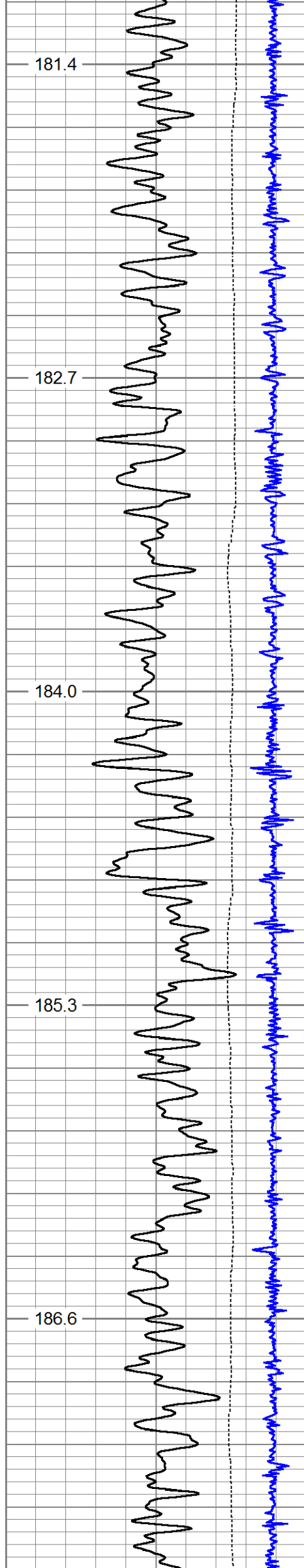


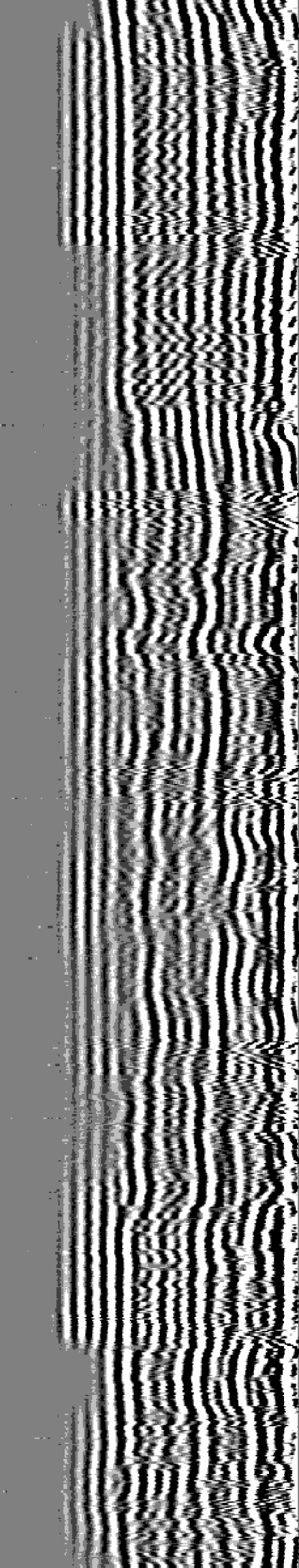
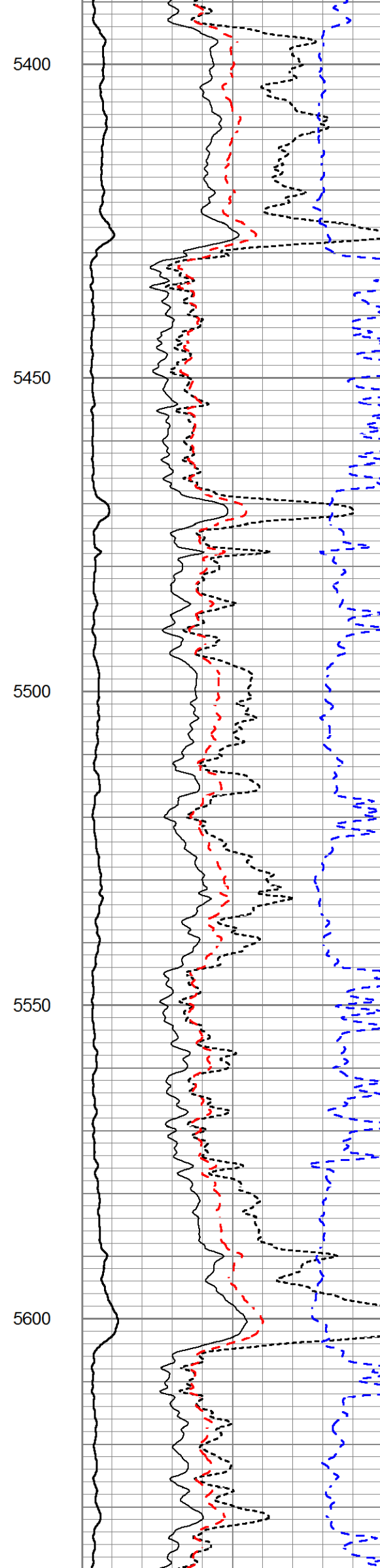
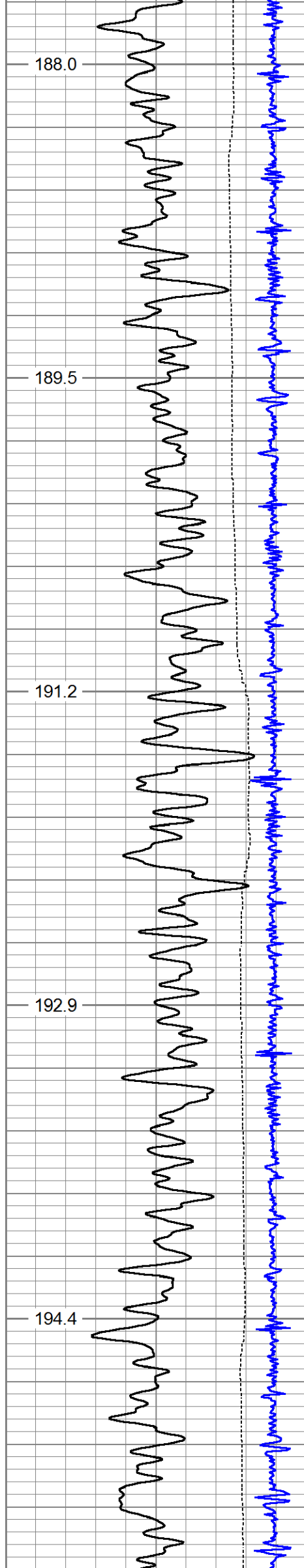


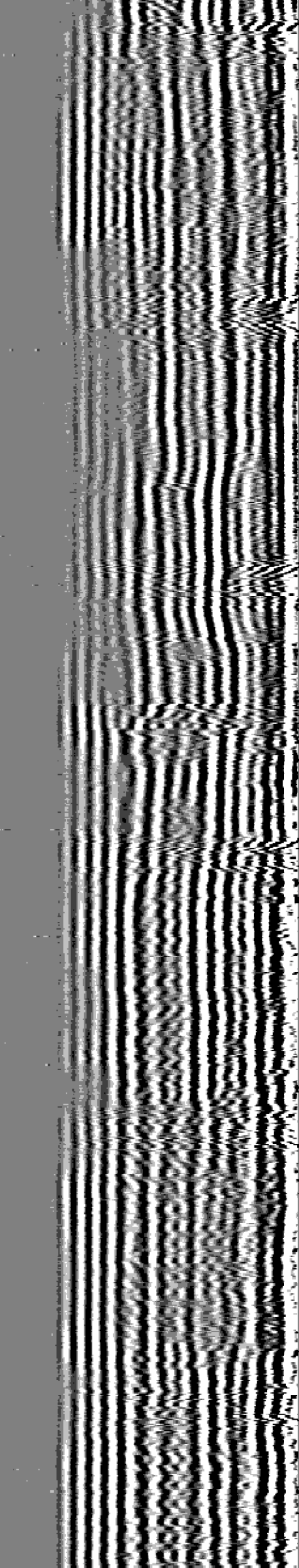
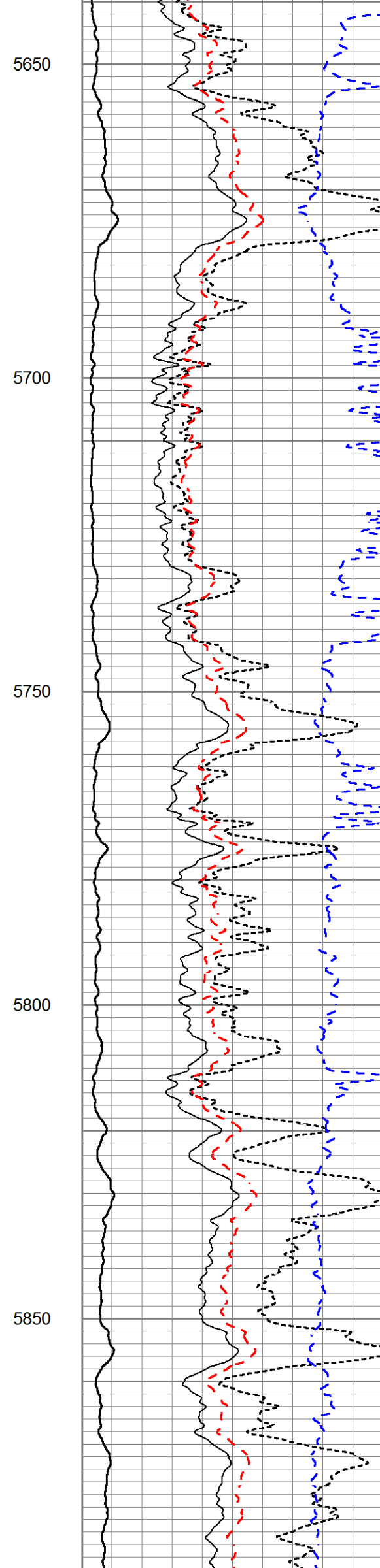
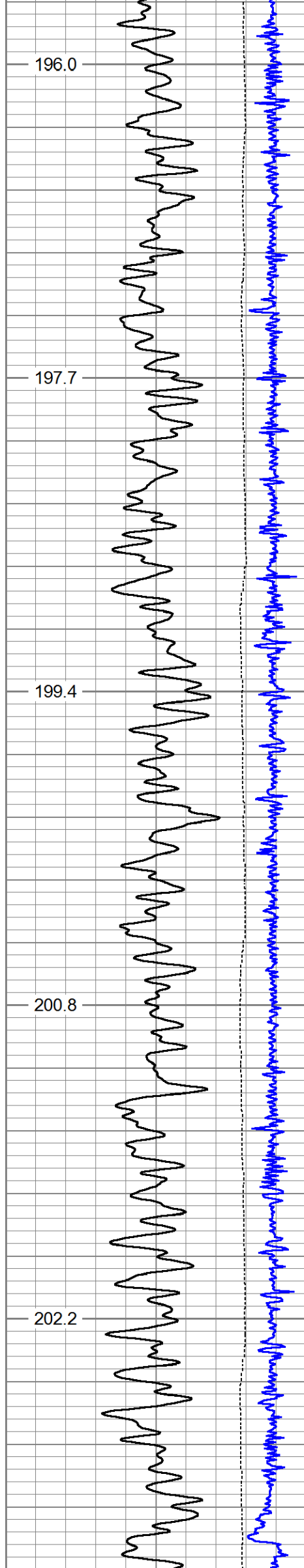


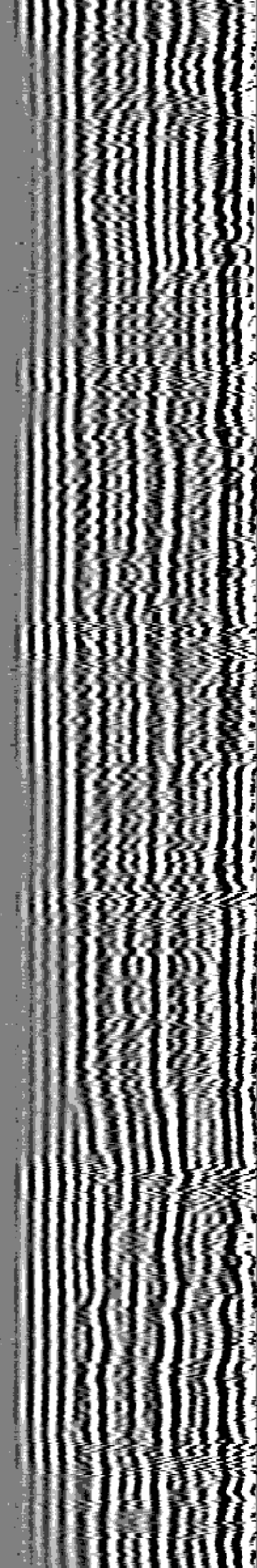
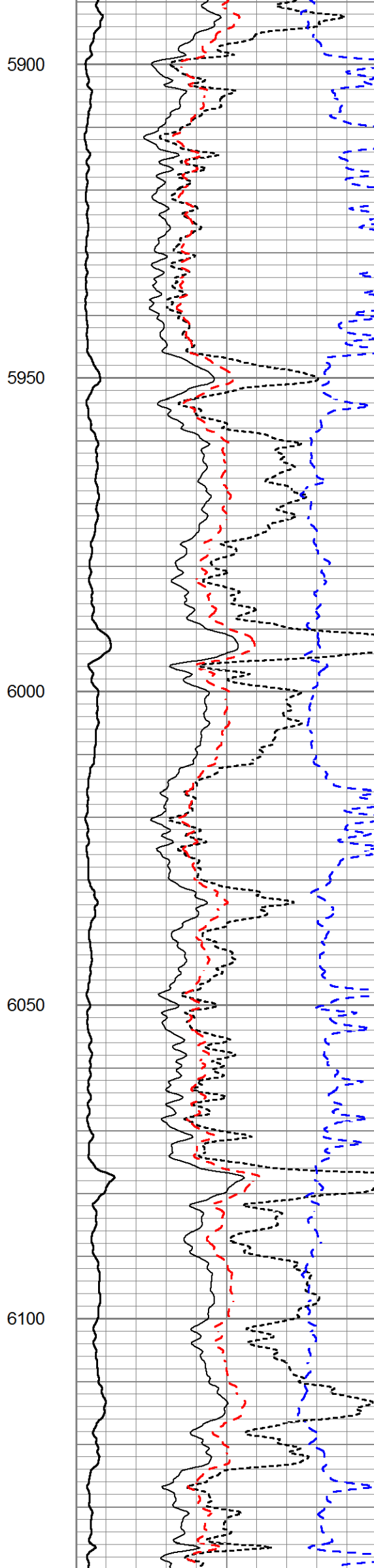
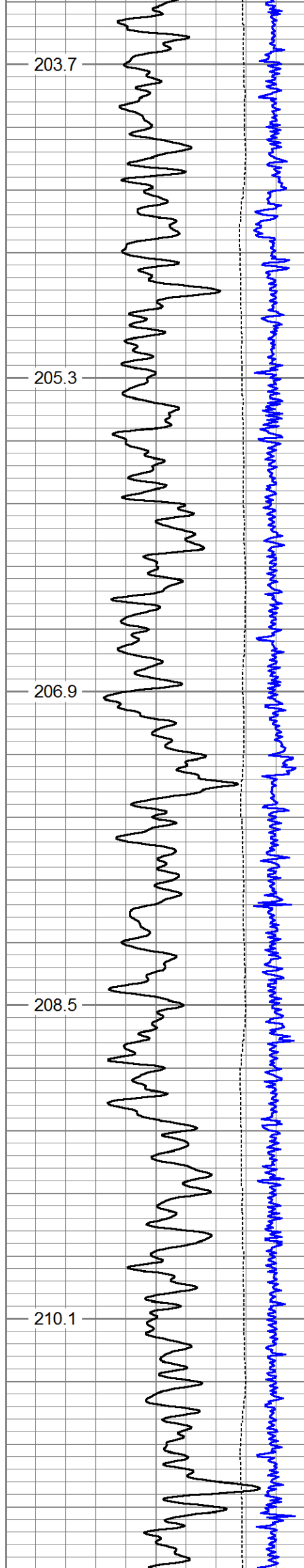


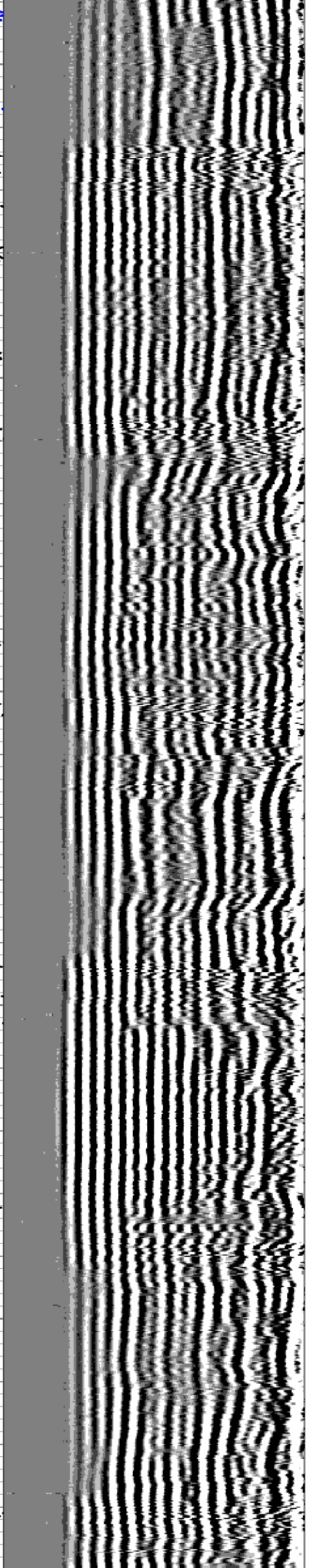
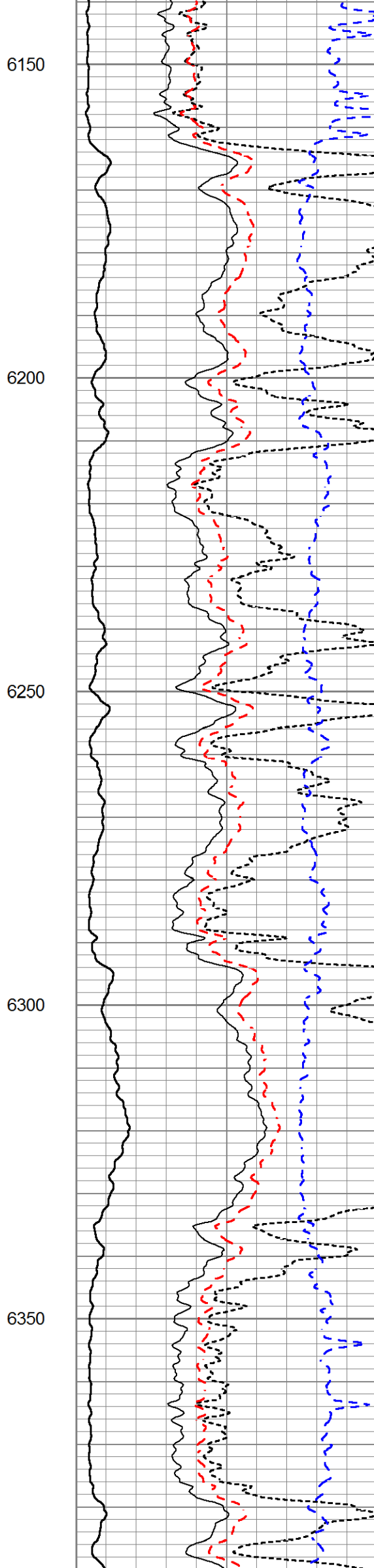
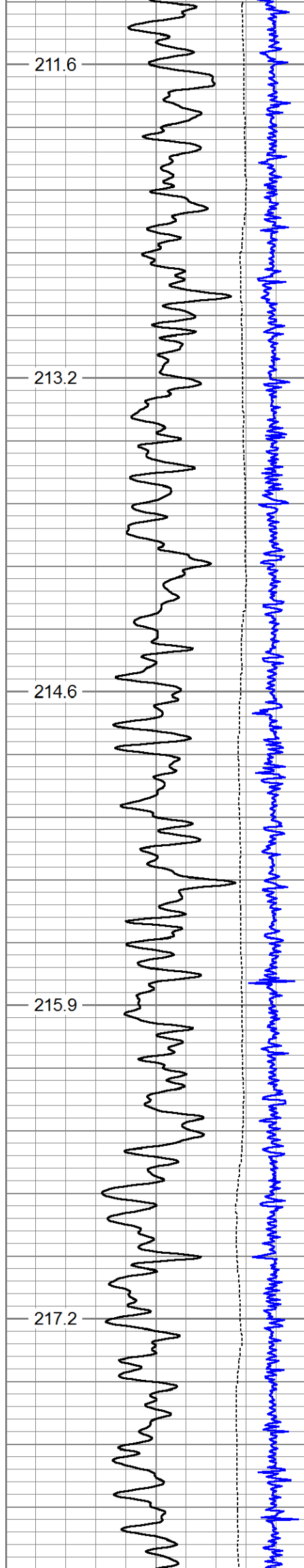


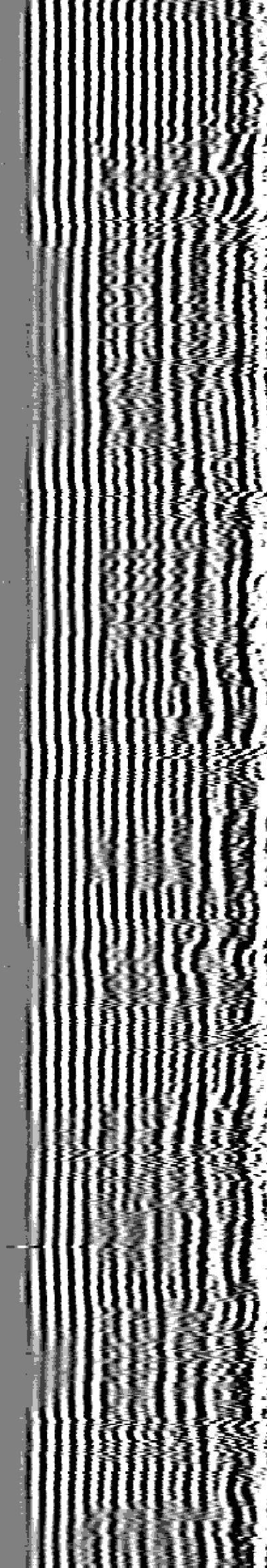
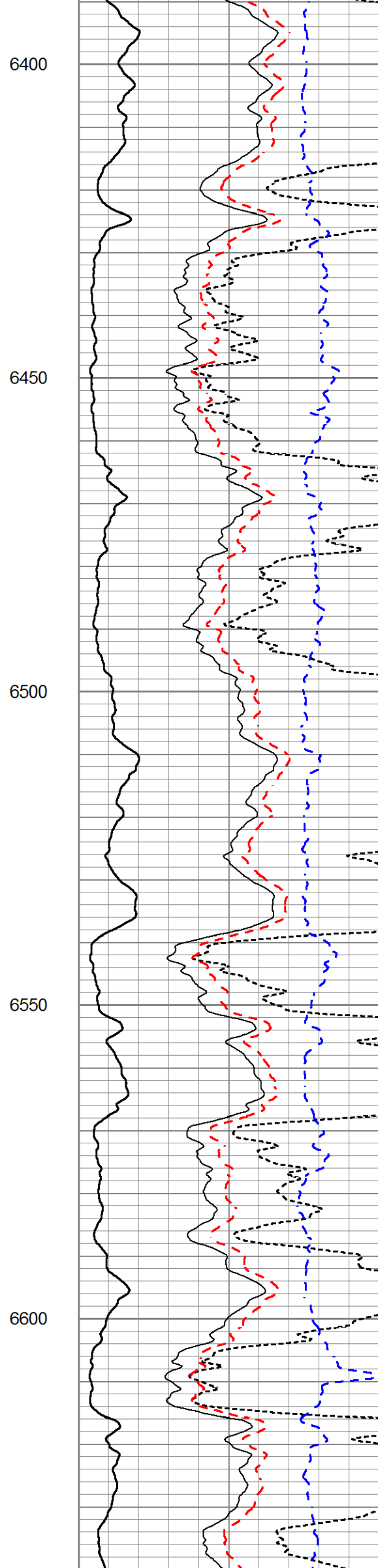
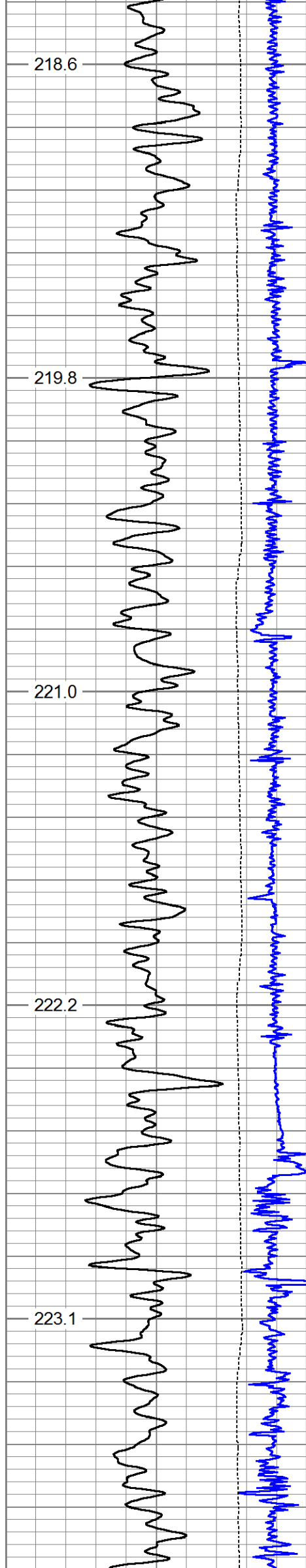












20000	DCCL (mV)	-2000	0	AMP3FT (mV)	100	200	WVF5FT (usec)	1200
0	Gamma Ray (GAPI)	150	200	TT3FT (usec)	275			
0	Line Speed (ft/min)	150	-15	Attenuation (db/ft)	0			
TEMP			1	Bond Index	0			
(degF)			200	PPT (usec)	275			

MAIN PASS

HALLIBURTON

5"=100'

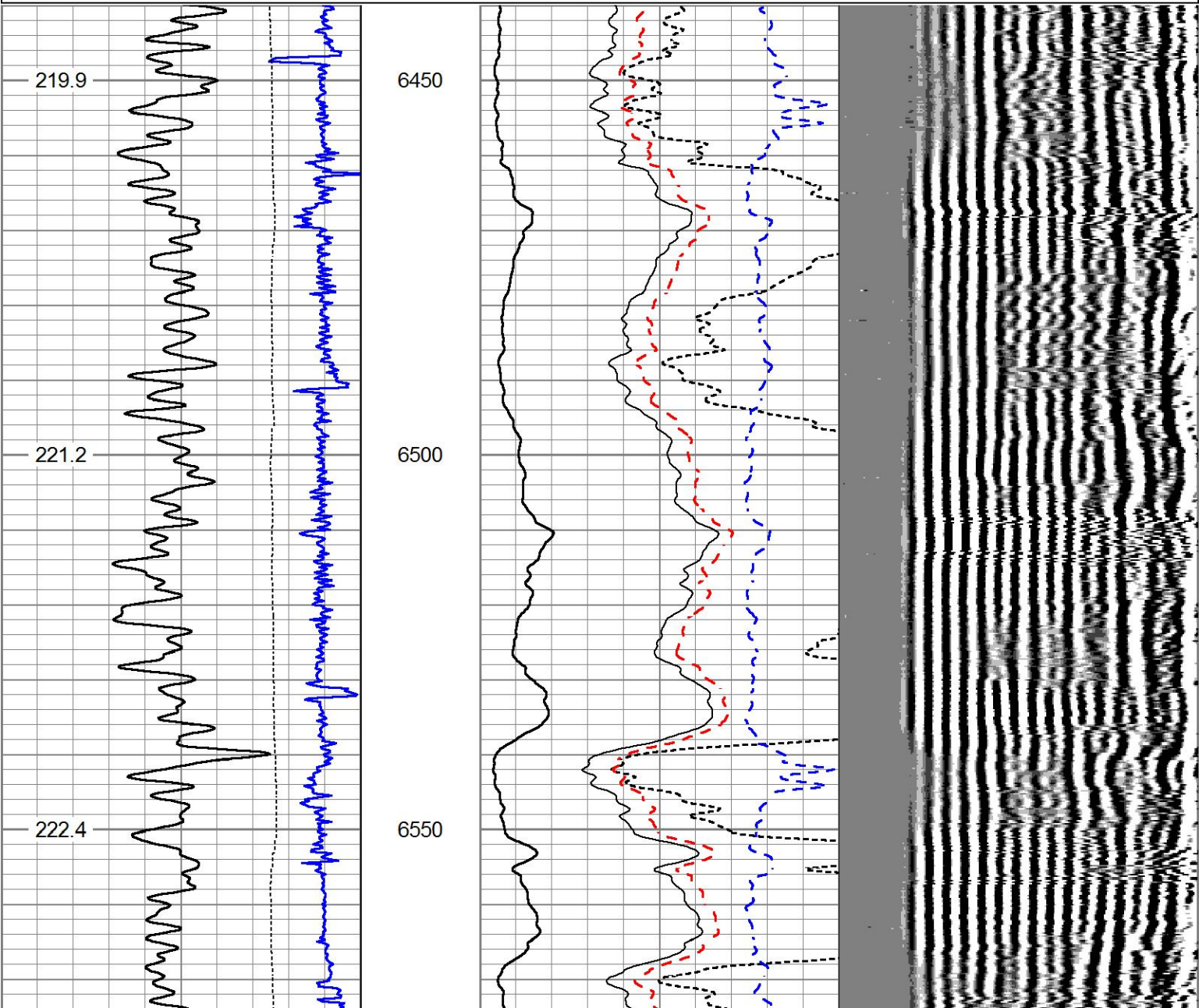
REPEAT PASS

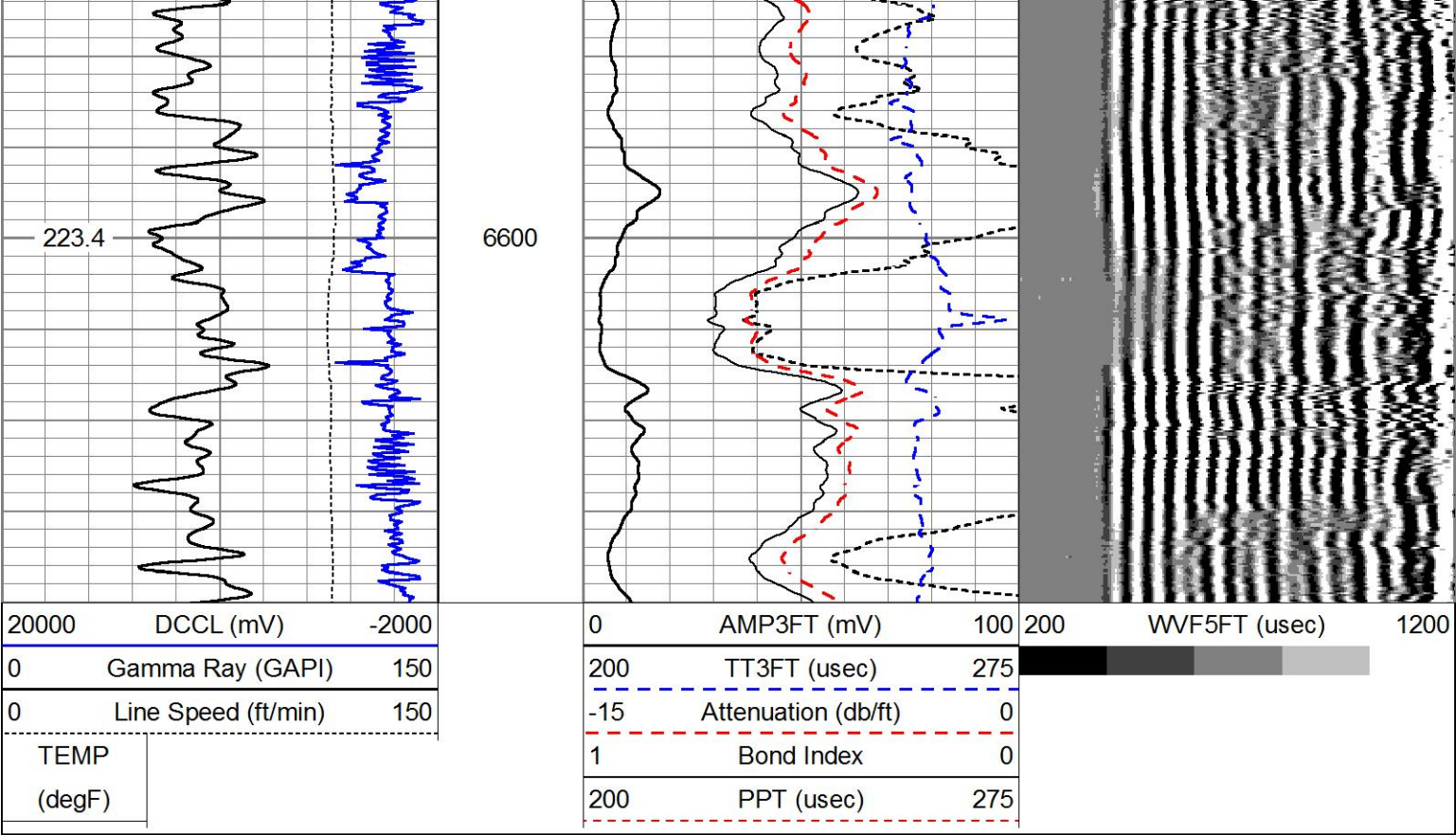
HALLIBURTON

5'=100"

Database File	src_bost_farms_8c-8-l_cbl.db
Dataset Pathname	Bost/8C-8-L_CBL/ONE/REPEAT
Presentation Format	cbl_dr
Dataset Creation	Sun Jan 20 23:45:13 2019
Charted by	Depth in Feet scaled 1:240

20000	DCCL (mV)	-2000	0	AMP3FT (mV)	100	200	WVF5FT (usec)	1200
0	Gamma Ray (GAPI)	150	200	TT3FT (usec)	275			
0	Line Speed (ft/min)	150	-15	Attenuation (db/ft)	0			
TEMP			1	Bond Index	0			
(degF)			200	PPT (usec)	275			





REPEAT PASS

HALLIBURTON

5'=100"

Log Variables

DatabaseC:\ProgramData\Warrior\Data\src_bost_farms_8c-8-l_cbl.db
Dataset Bost/8C-8-L_CBL/ONE/MAIN/_vars_

Top - Bottom

BHTEMP_Src	BITSIZE	BOTTEMP	CASEOD	CASETHCK	CASEWGHT	MAXAMPL	MINAMPL
TEMP	in	degF	in	in	lb/ft	mV	mV
	7.875	220	5.5	0.361	20	72	1
MINATTN	MudWgt	PERFS	PPT	SRFTEMP	TDEPTH	USERFTT	ZREF
db/ft	lb/gal		usec	degF	ft	usec/ft	MRayl
0.8	8.4	0	0	30	0	0	1.7

Calibration Report

Database File src_bost_farms_8c-8-l_cbl.db
Dataset Pathname Bost/8C-8-L_CBL/ONE/MAIN
Dataset Creation Sun Jan 20 23:49:23 2019

Temperature Calibration Report

Serial Number: 0001
Tool Model: 1.375TEMP
Performed: Fri Jul 05 02:18:21 1996


Reference		Reading	
Low Reference:	0.00 degF	0.00	cps
High Reference:	1.00 degF	1.00	cps

Gain: 0.10
Offset: 0.00
Delta Spacing 1

Gamma Ray Calibration Report

Serial Number: 275
Tool Model: Probe
Performed: Thu Aug 07 08:00:19 2008

Calibrator Value:	100.0	GAPI
Background Reading:	35.0	cps
Calibrator Reading:	160.0	cps
Sensitivity:	1.0000	GAPI/cps
Segmented Cement Bond Log Calibration Report		
Serial Number:	275	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	376.142	ft
Master Calibration, performed Sun Jan 20 23:11:00 2019:		
	Raw (v)	Calibrated (mv)
	Zero	Cal
3'	0.022	2.008
CAL		
5'	0.023	2.023
SUM		
S1		
S2		
S3		
S4		
S5		
S6		
S7		
S8		
Internal Reference Calibration, performed (Not Performed):		
	Raw (v)	Calibrated (v)
	Zero	Cal
CAL		
Air Zero Calibration, performed Thu Jan 17 20:27:57 2019:		
	Raw (v)	Calibrated (v)
	Zero	Zero
3'	0.000	0.000
5'	0.000	0.000
SUM		
S1		
S2		
S3		
S4		
S5		
S6		
S7		
S8		

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			STNDCH-STND_CH 1.4375 IN CABLE HEAD	1.28	1.44	5.25
			WT-2 0"	7.00	2.00	120.00

				2.0" WEIGHT BAR			
				CENT-Probe_275 Probe 2 3/4 Centralizer	2.88	2.75	20.00
WVF3FT	13.27			CBL-Probe (275) Probe 2.75" Dual Receiver Bond	8.92	2.75	60.00
WVF5FT	12.27						
				CENT-Probe_275 Probe 2 3/4 Centralizer	2.88	2.75	20.00
DCCL	5.51						
CCL	5.51			GR-Probe (275) Probe 2.75" 4 Channel Pulse	4.33	2.75	30.00
GR	2.77						
TEMP	0.58			TEMP-1.375TEMP (0001) Temperature Tool	1.88	1.38	30.00
Dataset: src_bost_farms_8c-8-l_cbl.db: Bost/8C-8-L_CBL/ONE/MAIN Total length: 29.16 ft Total weight: 285.25 lb O.D.: 2.75 in							

Company	SRC ENERGY		
Well	BOST FARM 8C-8-L		
Field	WATTENBERG		
County	WELD	State	CO
HALLIBURTON		CEMENT BOND LOG	

