

CEMENT BOND LOG

THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES

Service Ticket No.	905409201	API No.	0212347692	PGM Ver	WARRIOR 8
The Well Name, Location, Borehole Description, and / or Cementing Data Furnished by Client					
EQUIPMENT DATA					
TELEMETRY		CAST		CBL	
Run No.	ONE	Run No.	ONE	Run No.	ONE
Serial No.	12236349	Serial No.	11488892	Serial No.	11343286
Model No.	TTTCU-002	Model No.	CAST-M	Model No.	PROBE CBL
Diameter	1.69"	Diameter	3.125"	Diameter	2.75"
LOGGING DATA					
General Data					
Pass	Depths		Well Head	Speed	Logging Run Comments
No	From	To	Pressure	Ft/Min	

No.	FROM	TO	Pressure	TEMP				
ONE	6440	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			

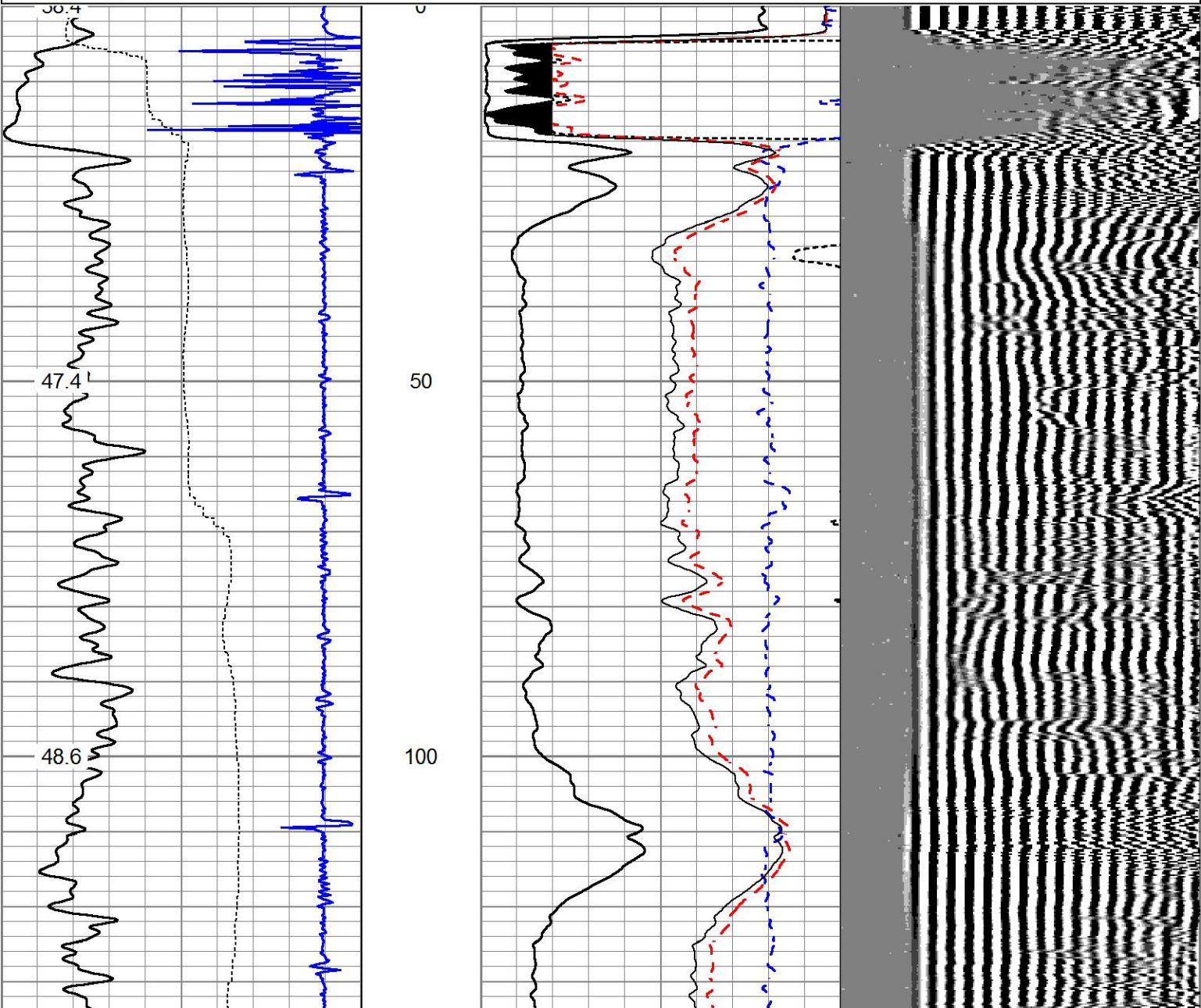
MAIN PASS

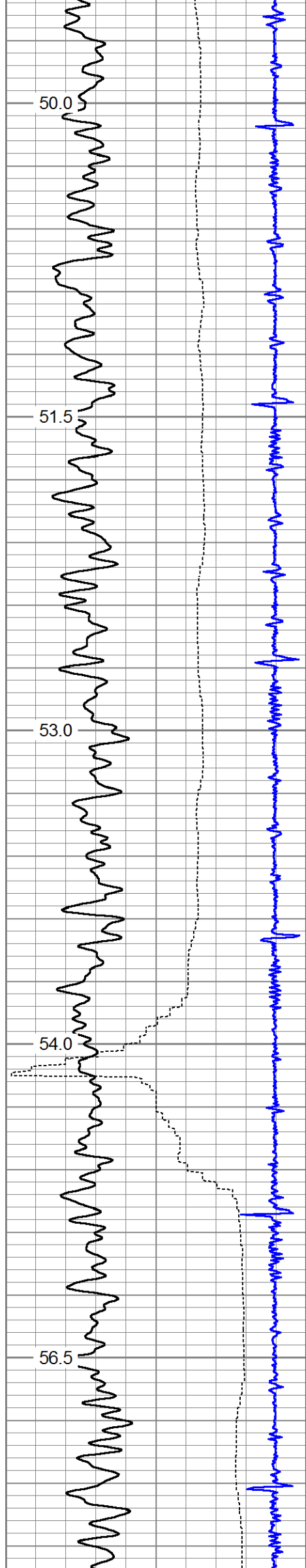
HALLIBURTON

5"=10'

Database File src_bost_farms_26n-8b-l_cbl.db
Dataset Pathname Bost/26N-8B--L_CBL/ONE/MAIN
Presentation Format cbl_dr
Dataset Creation Fri Jan 18 04:21:51 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			





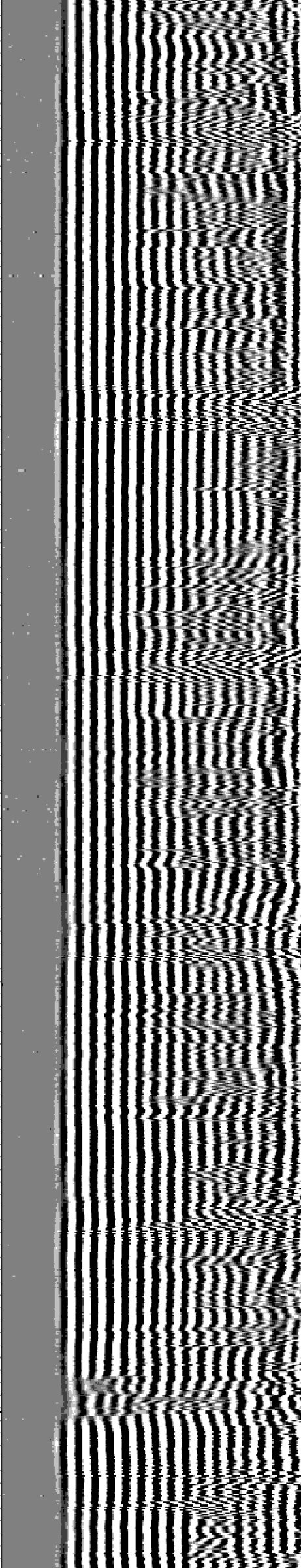
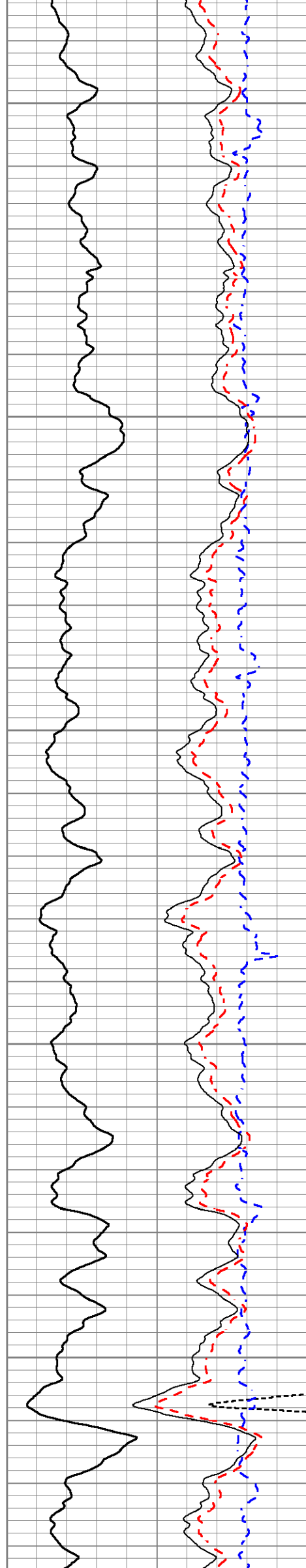
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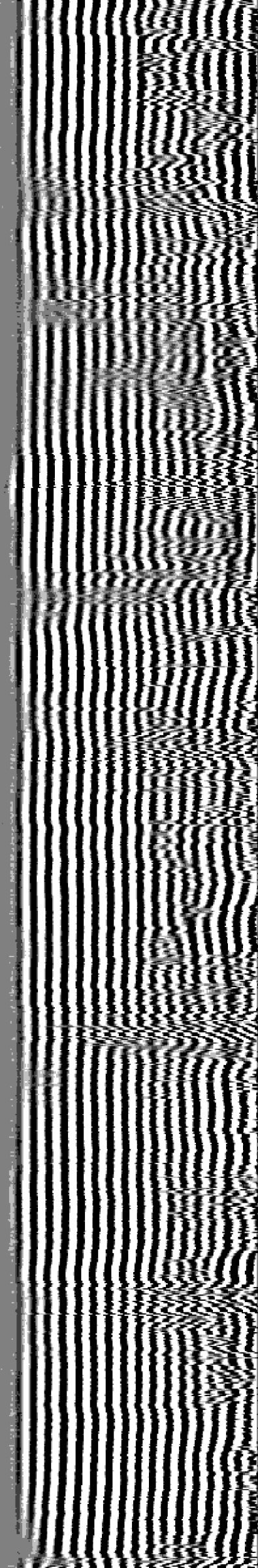
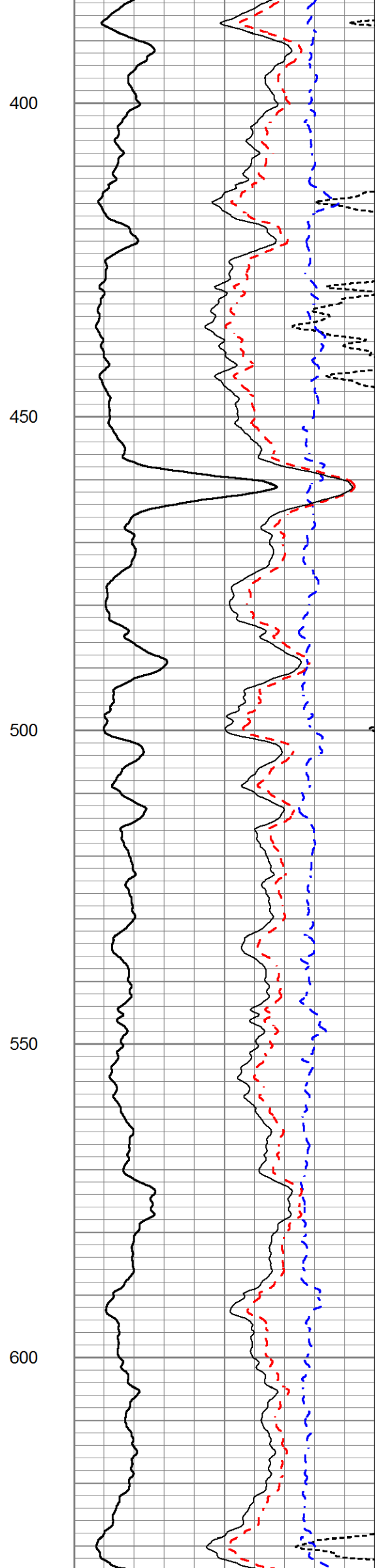
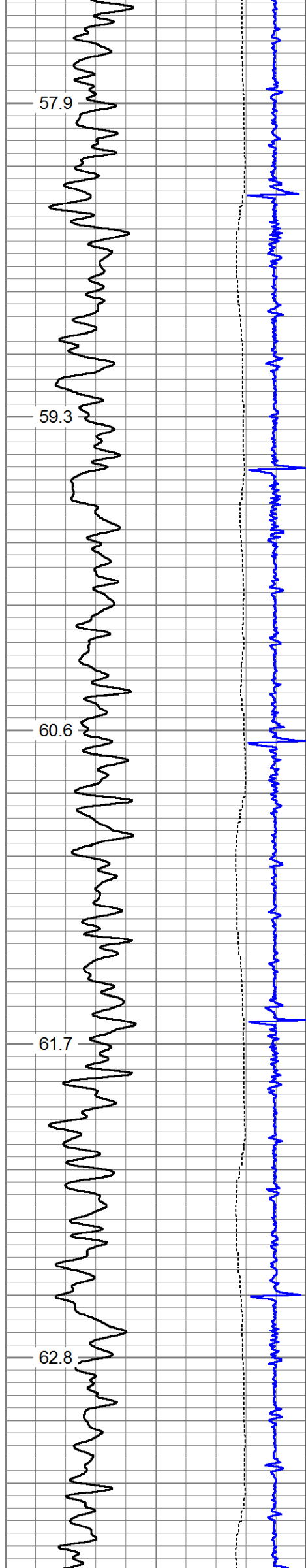
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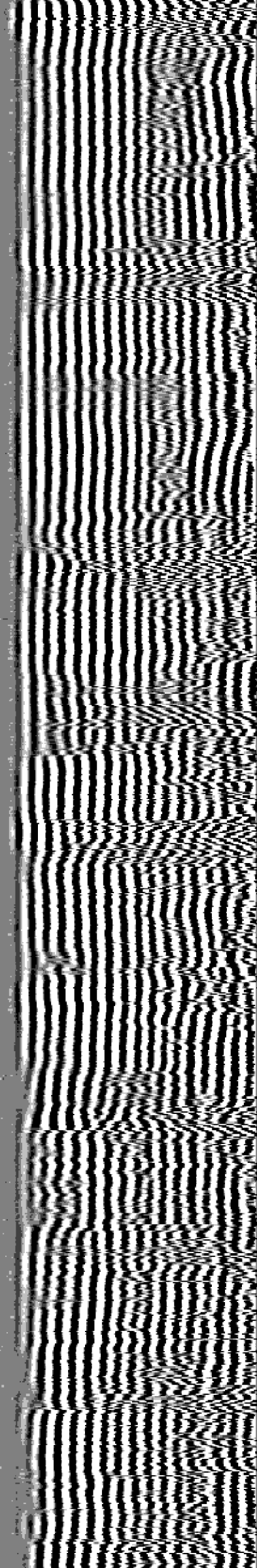
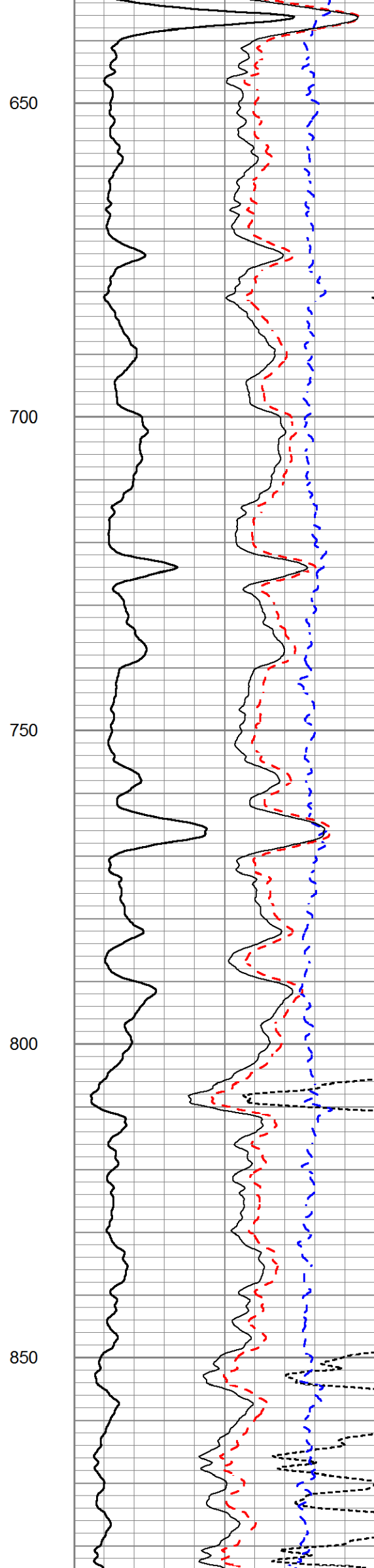
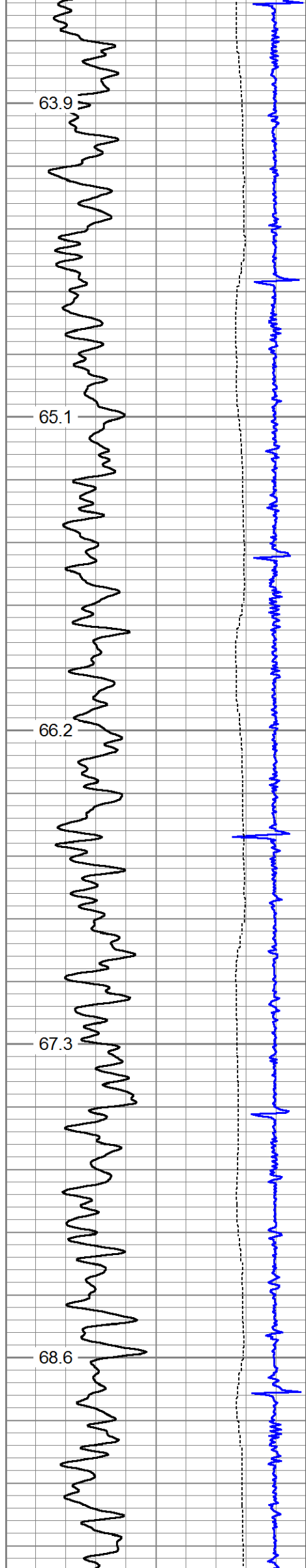
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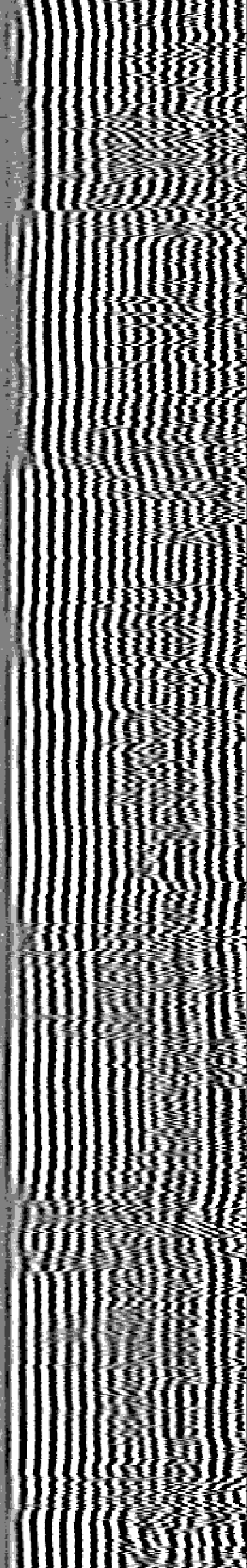
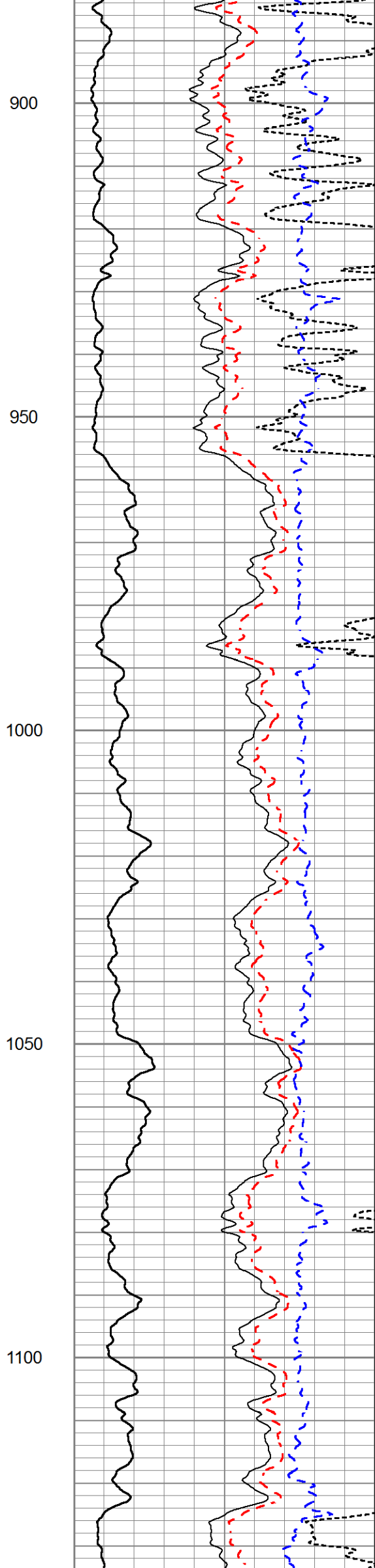
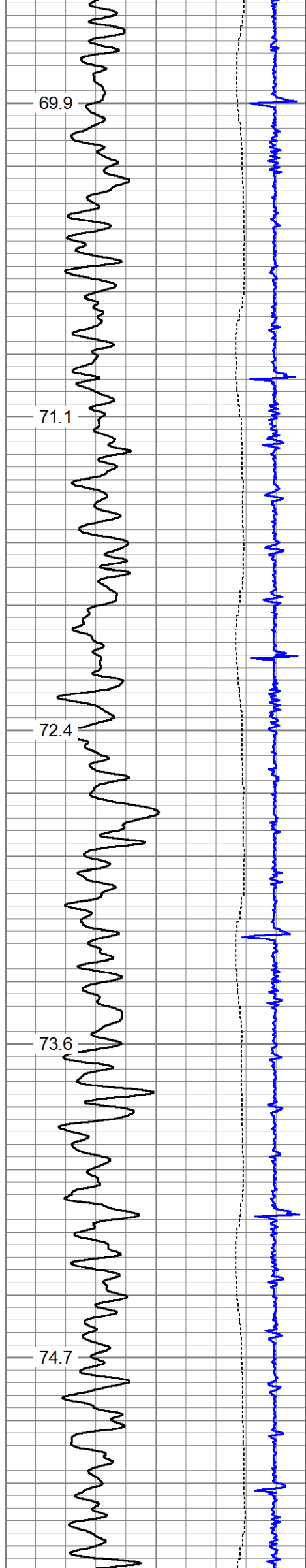
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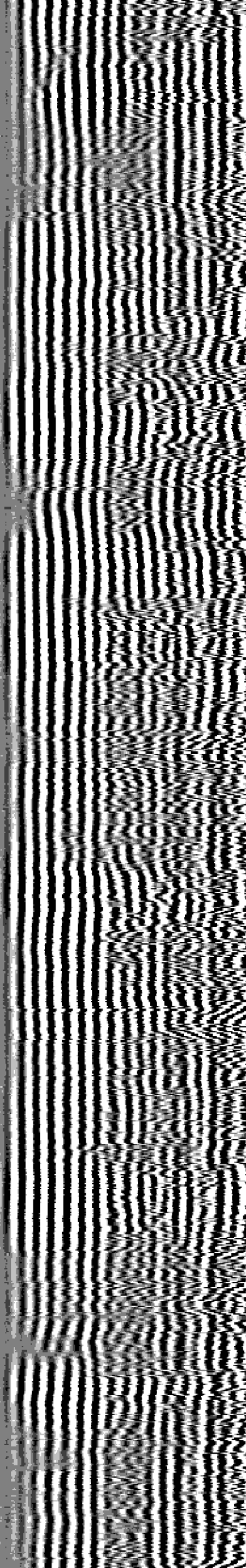
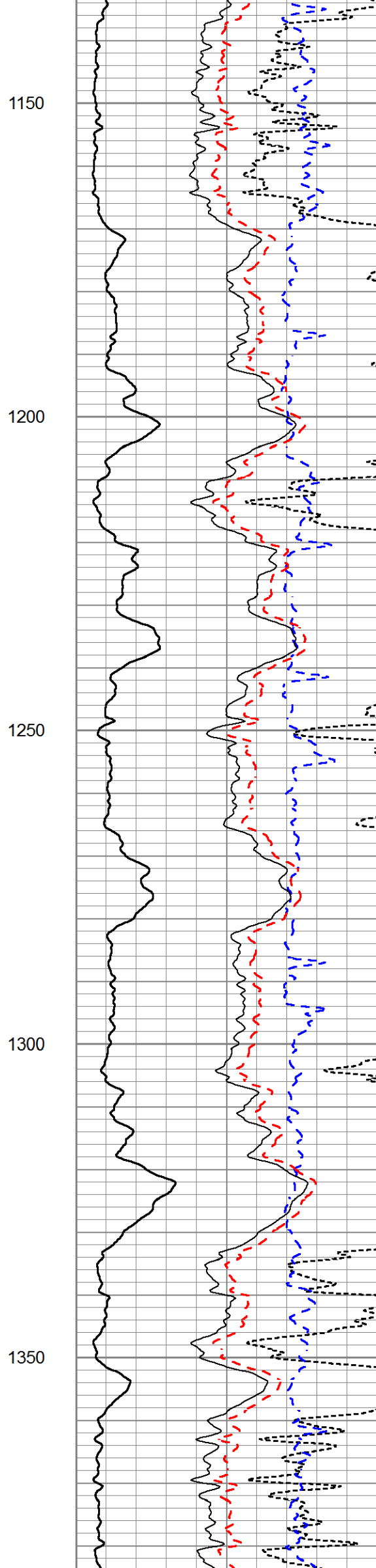
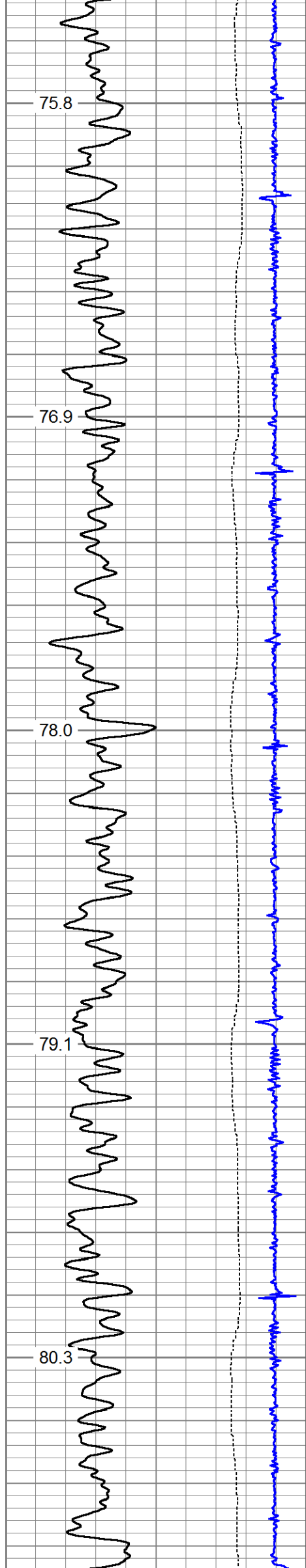
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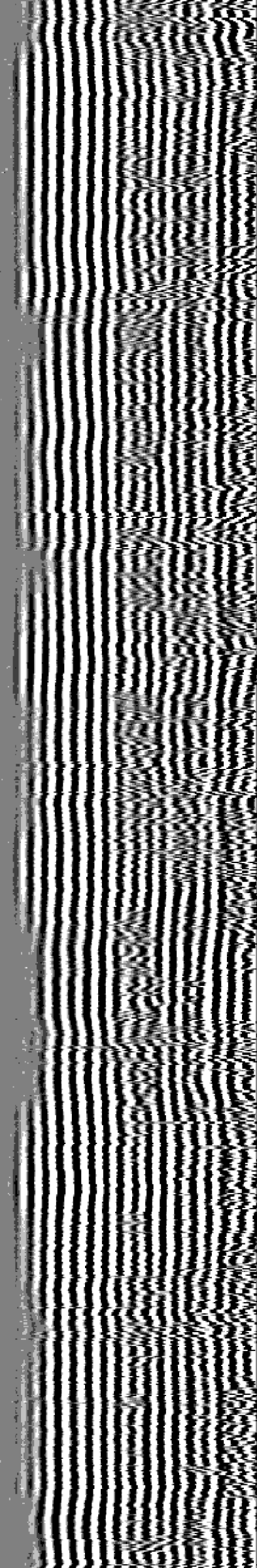
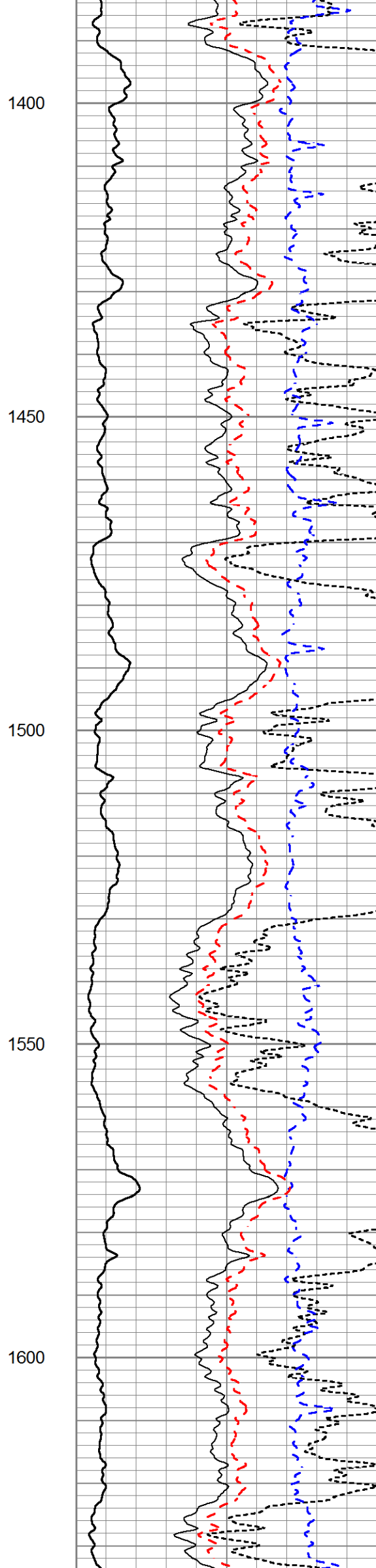
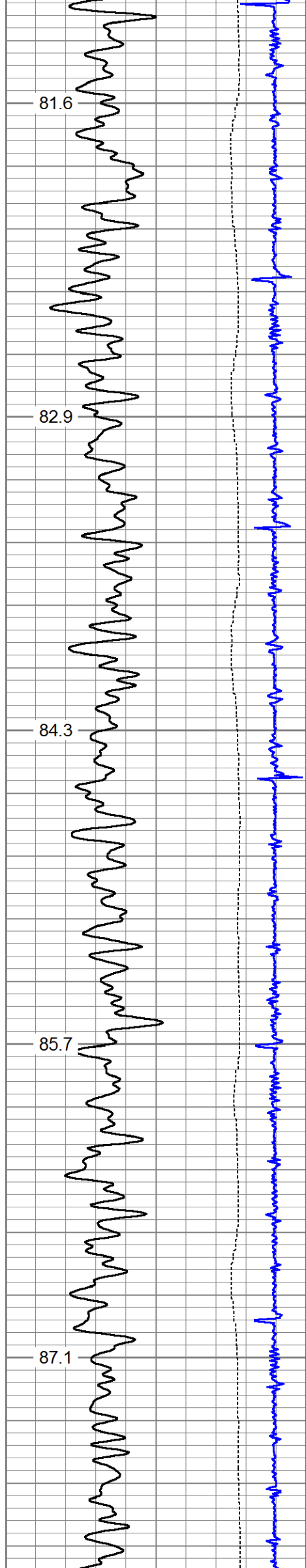


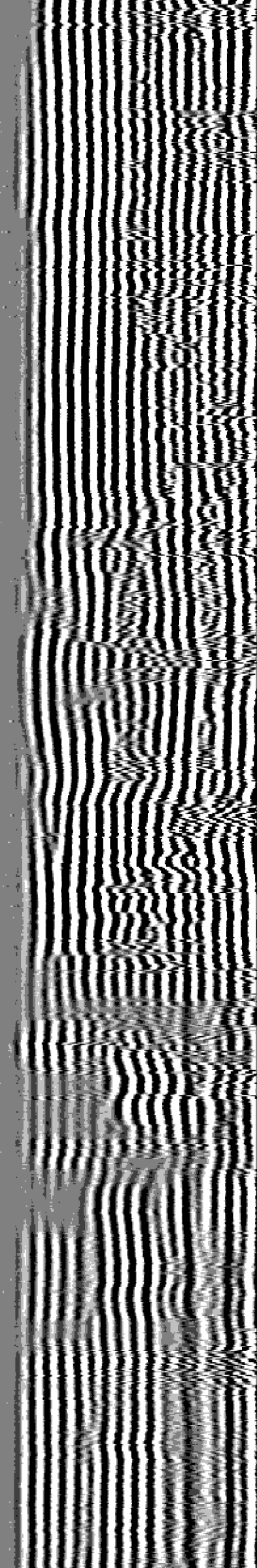
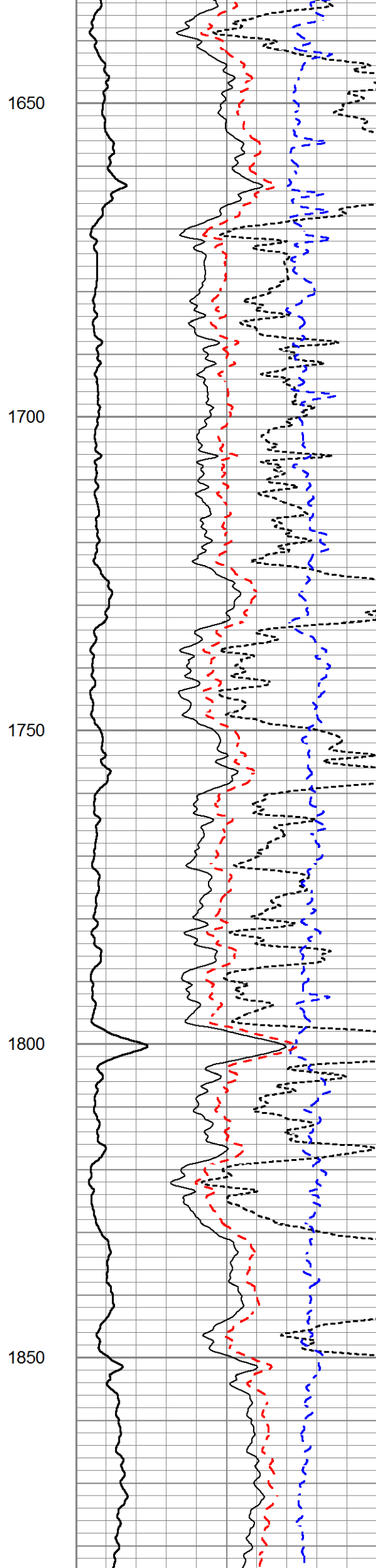
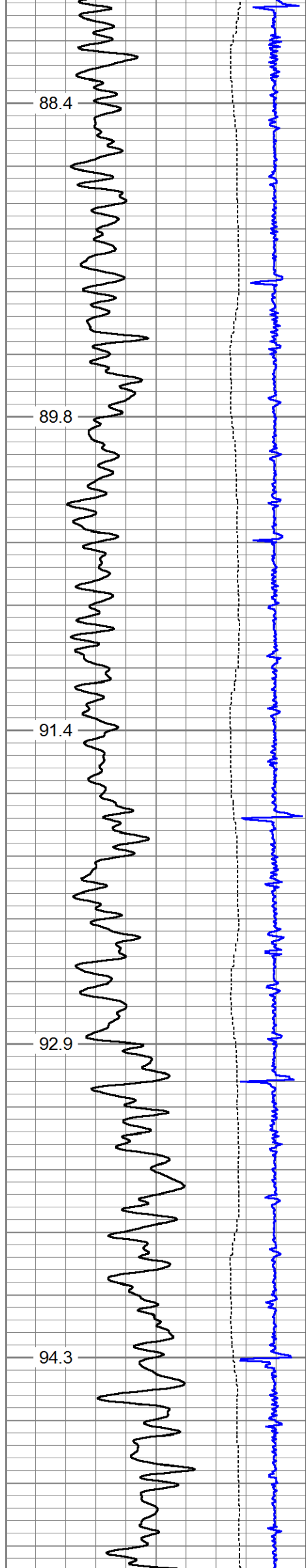


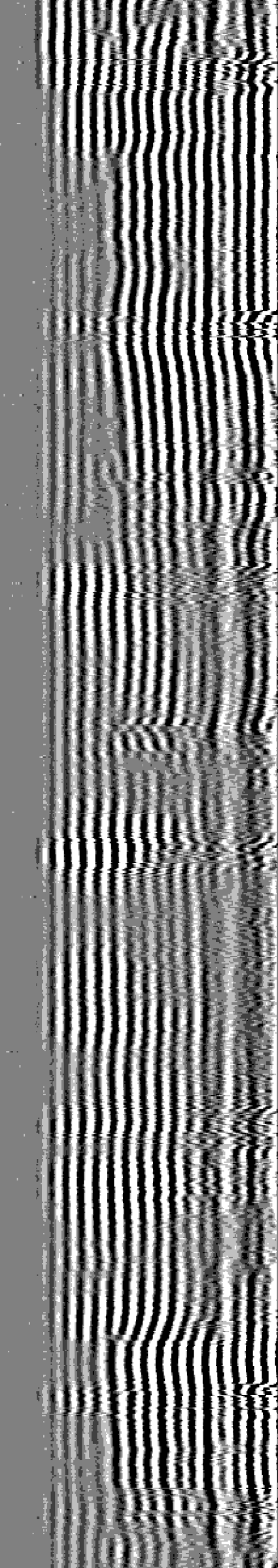
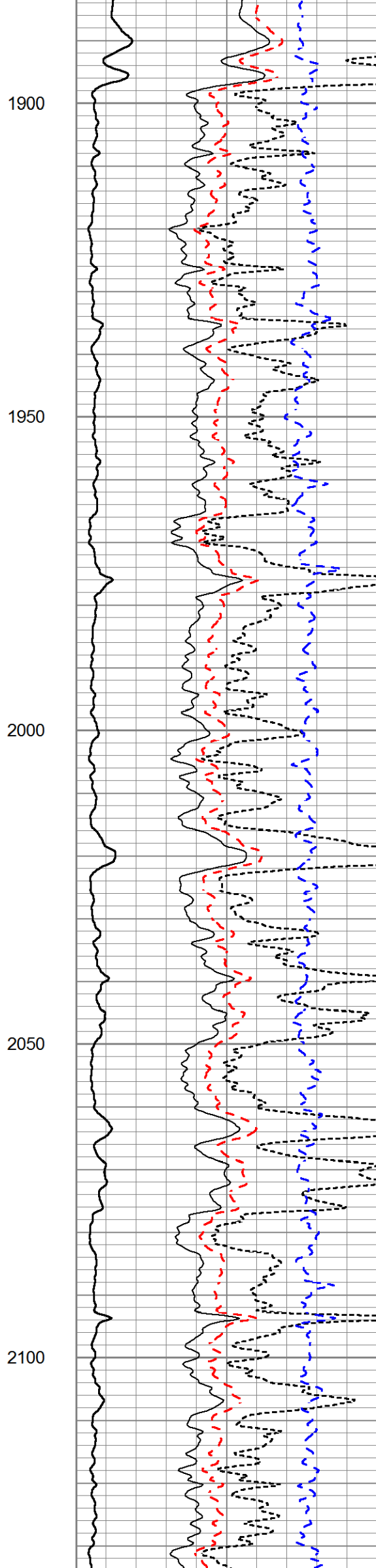
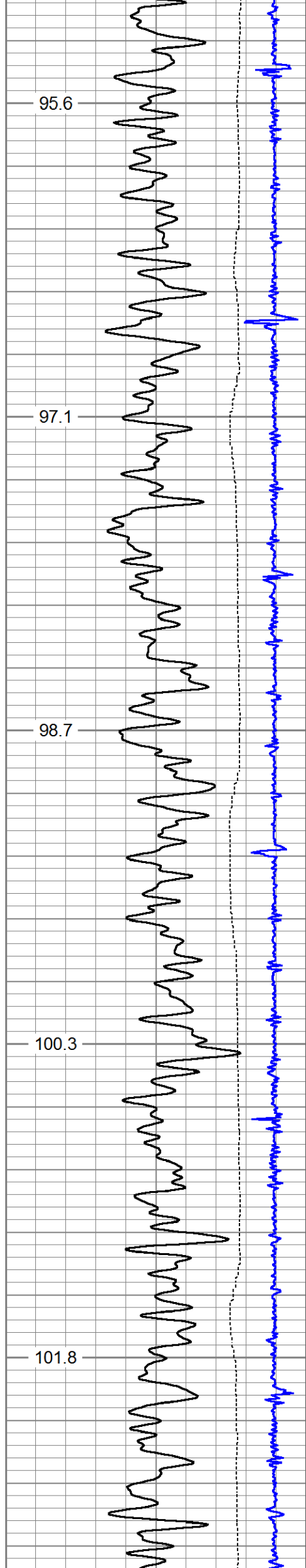


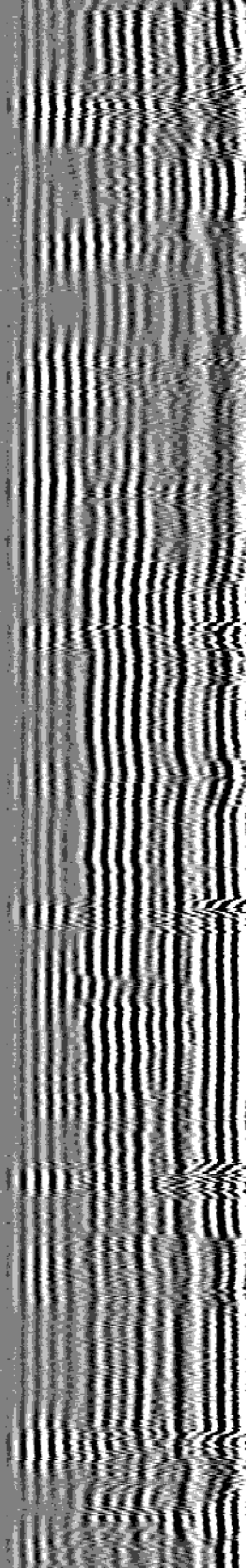
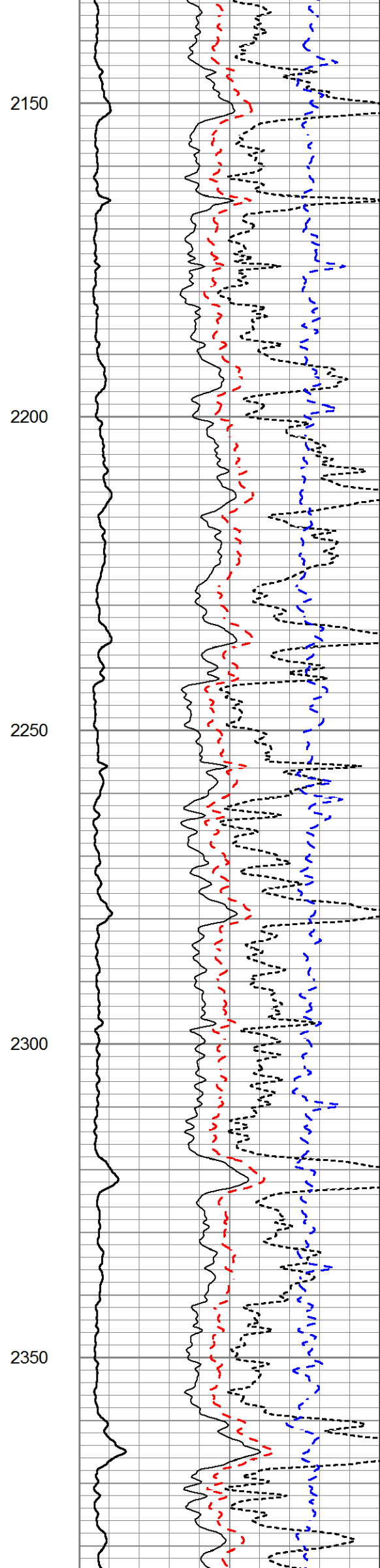
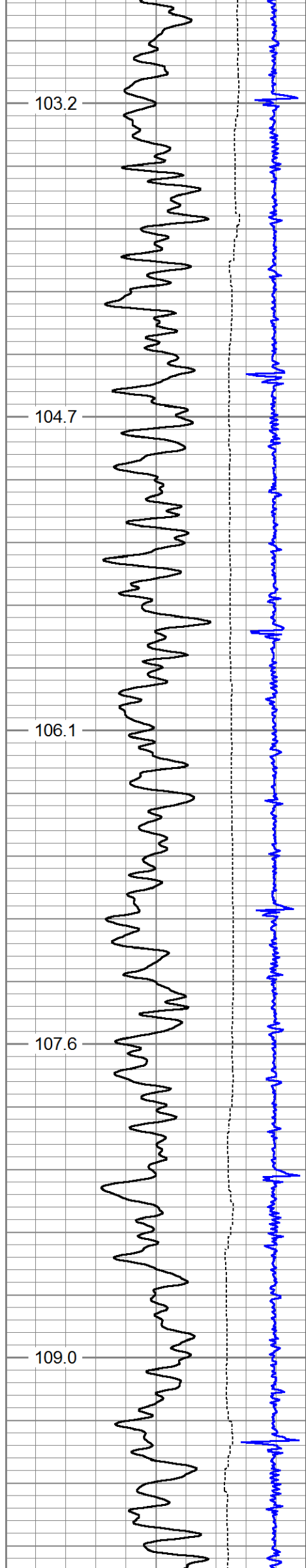


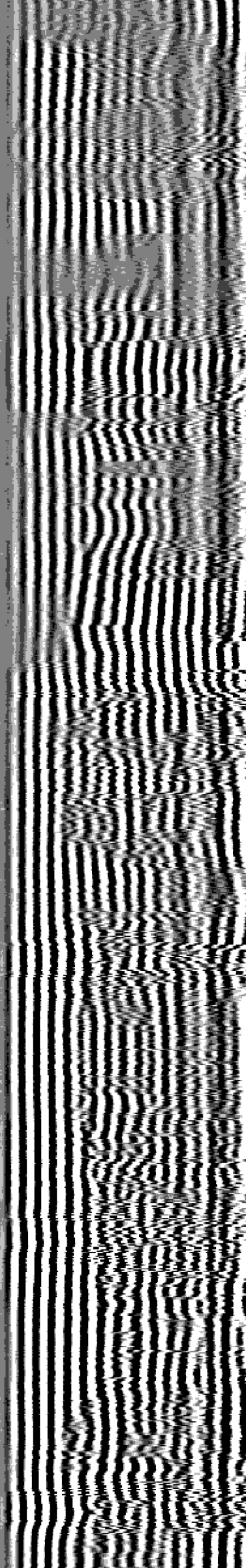
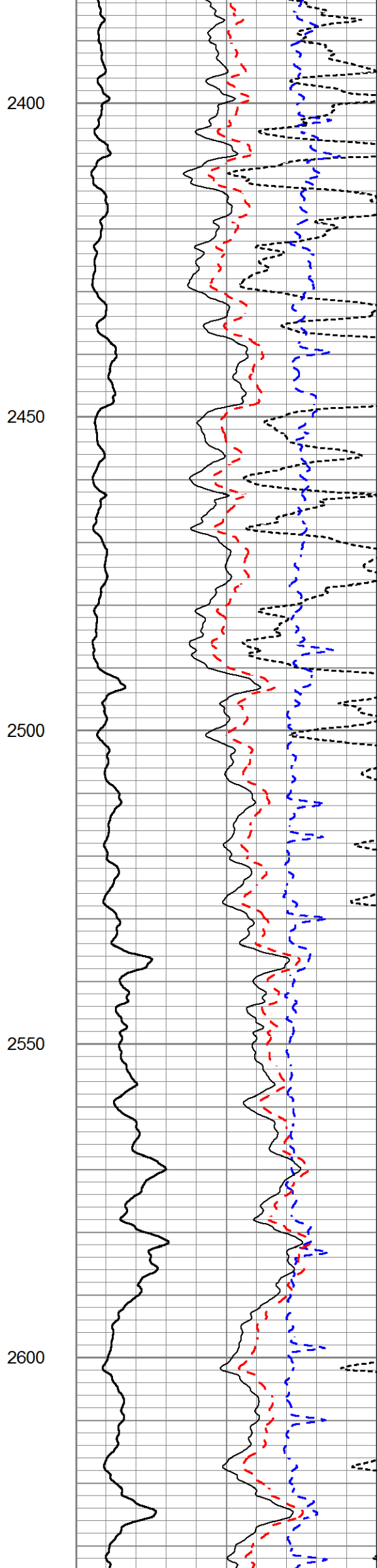
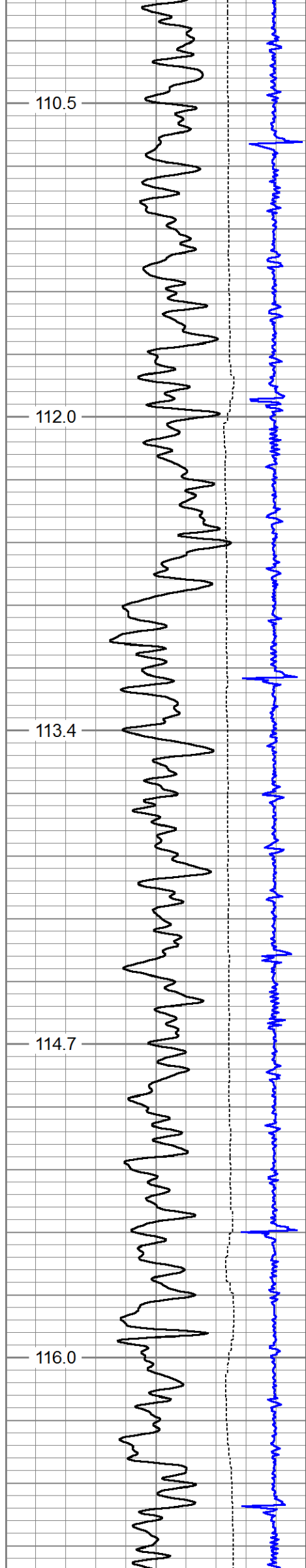


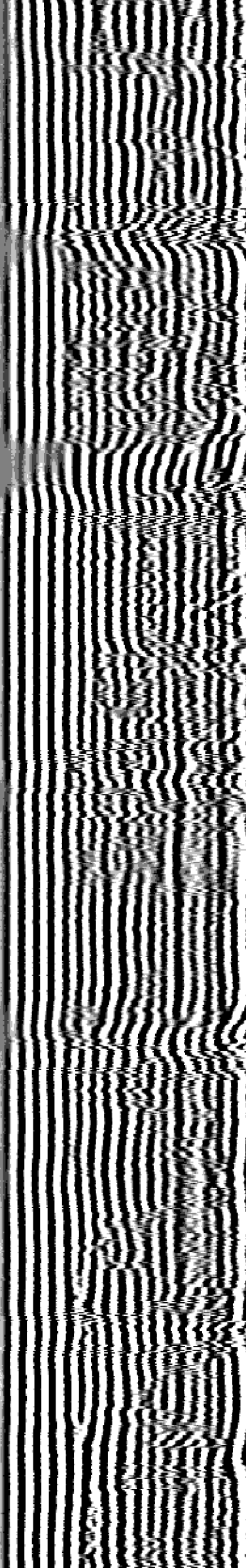
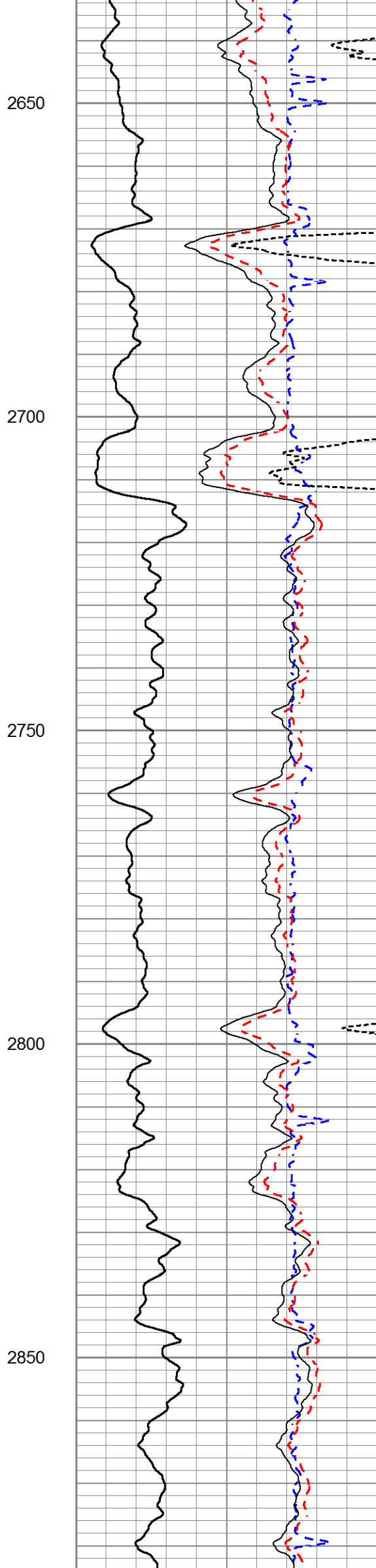
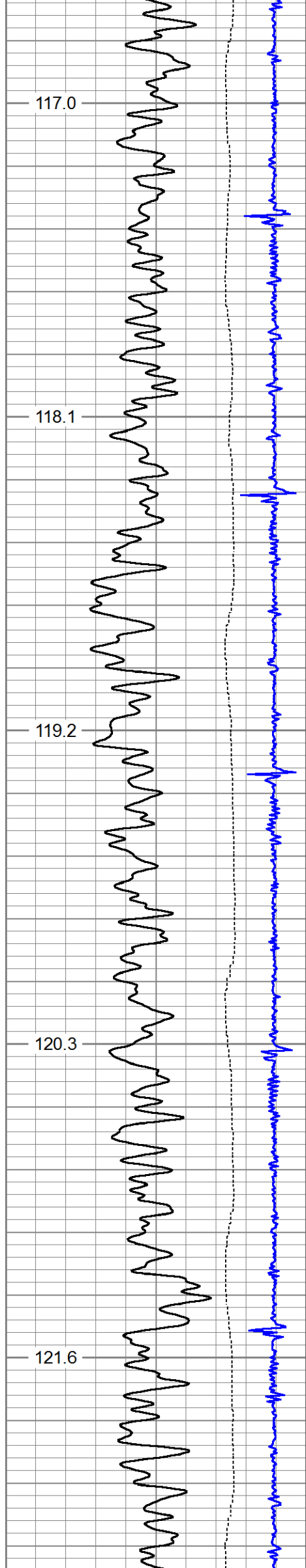


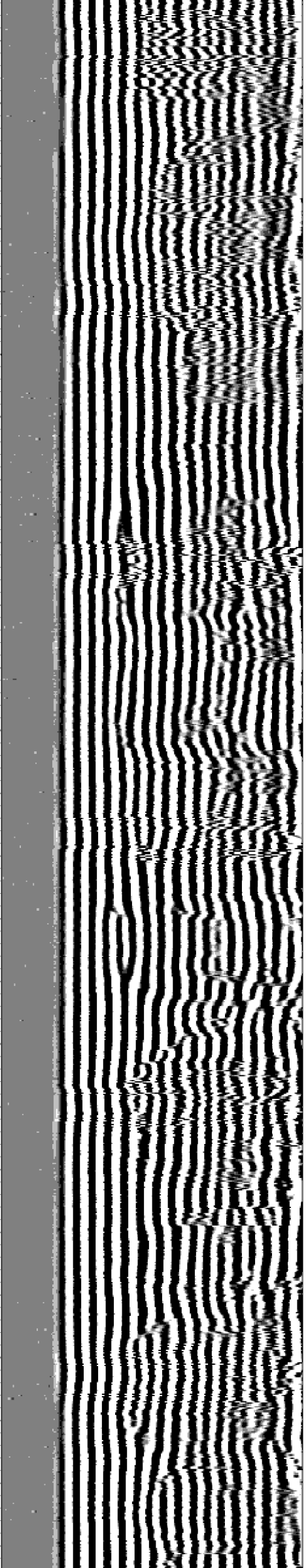
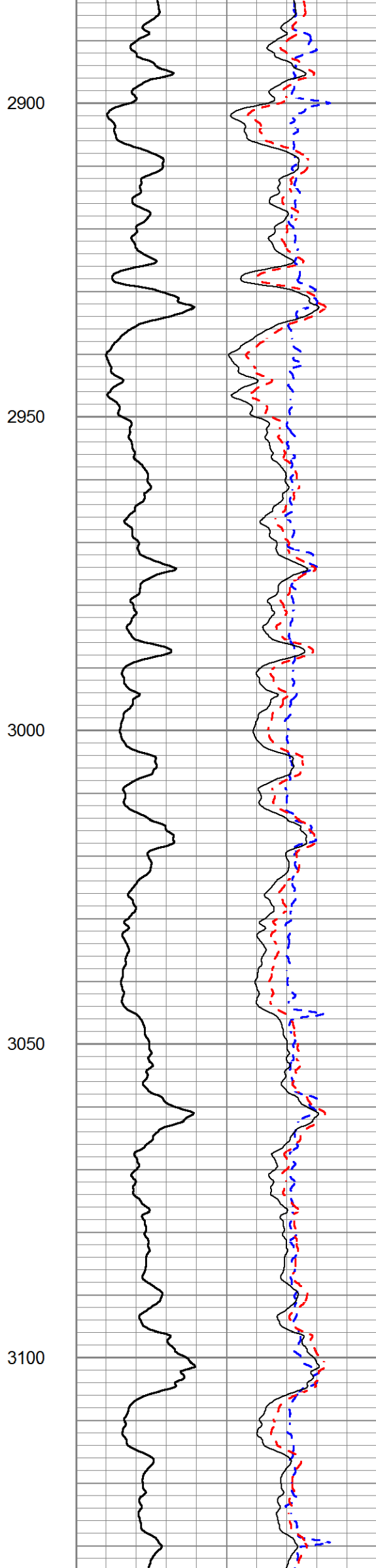
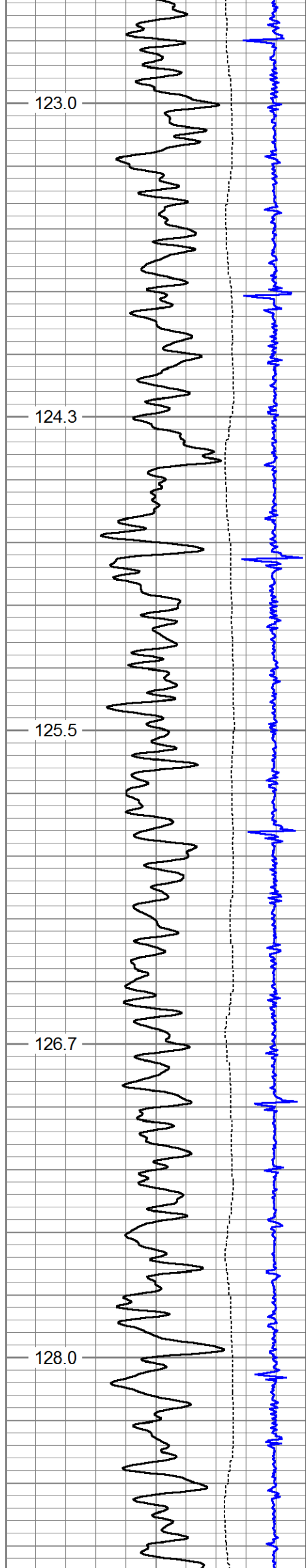


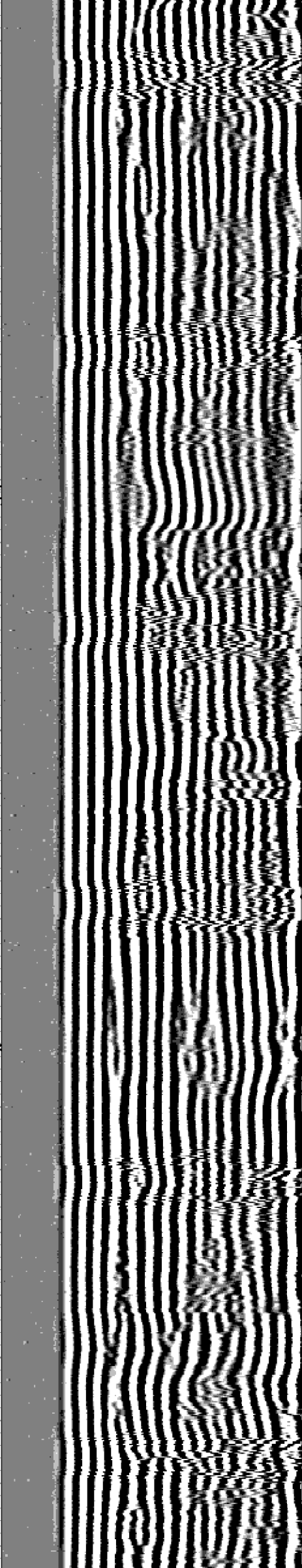
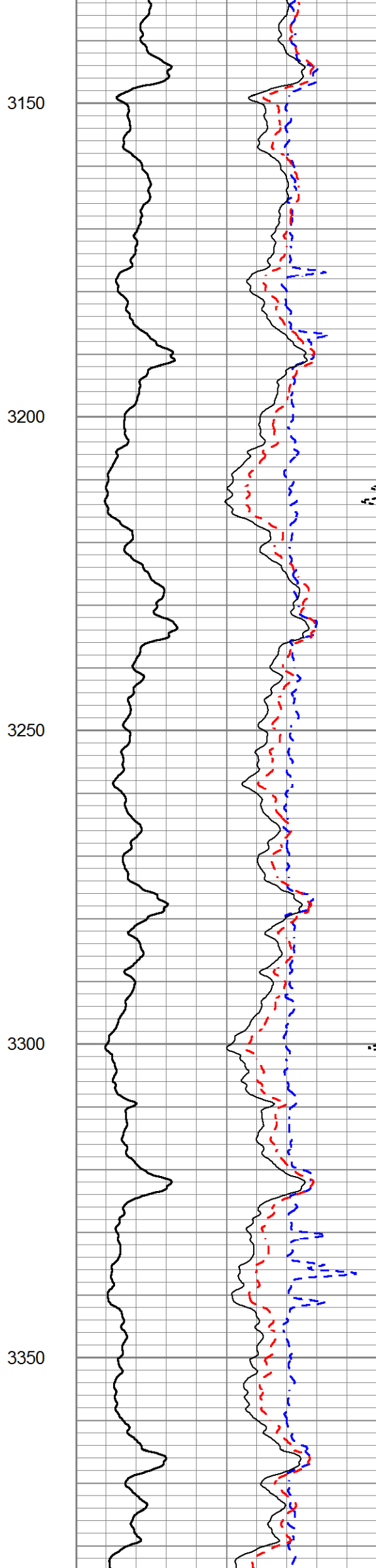
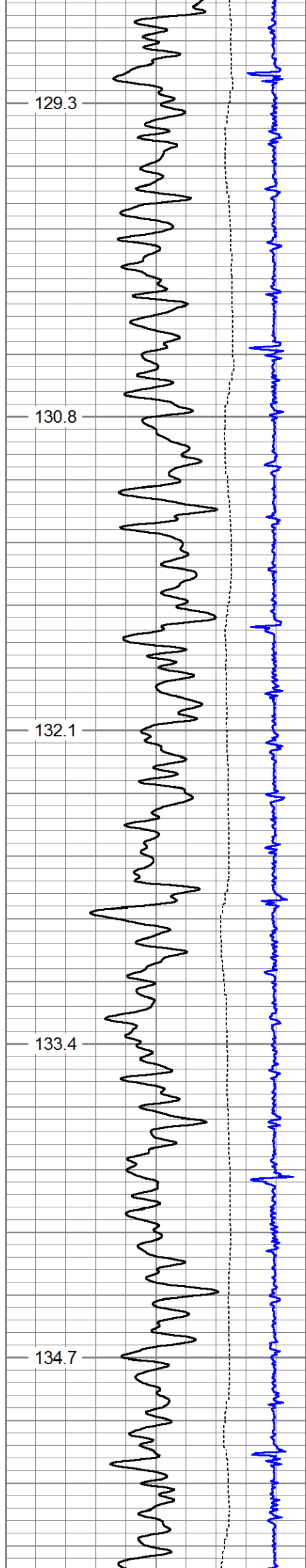


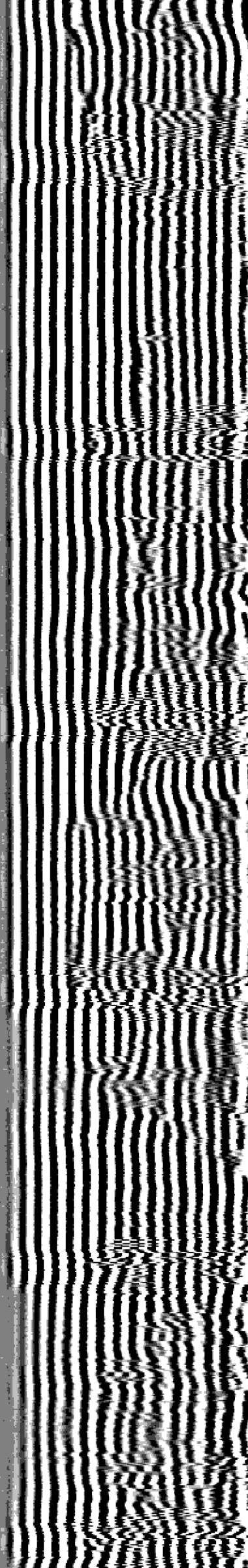
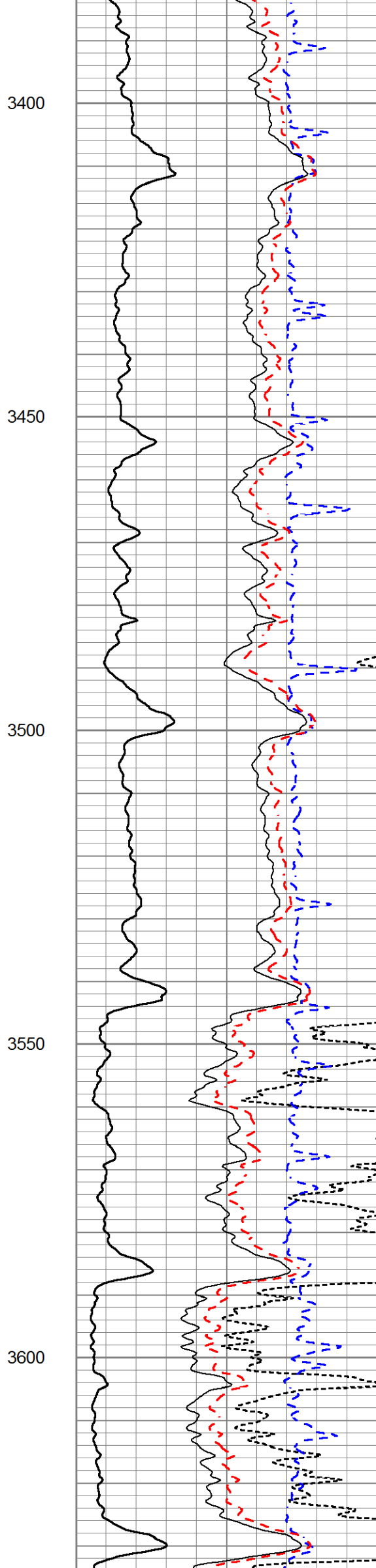
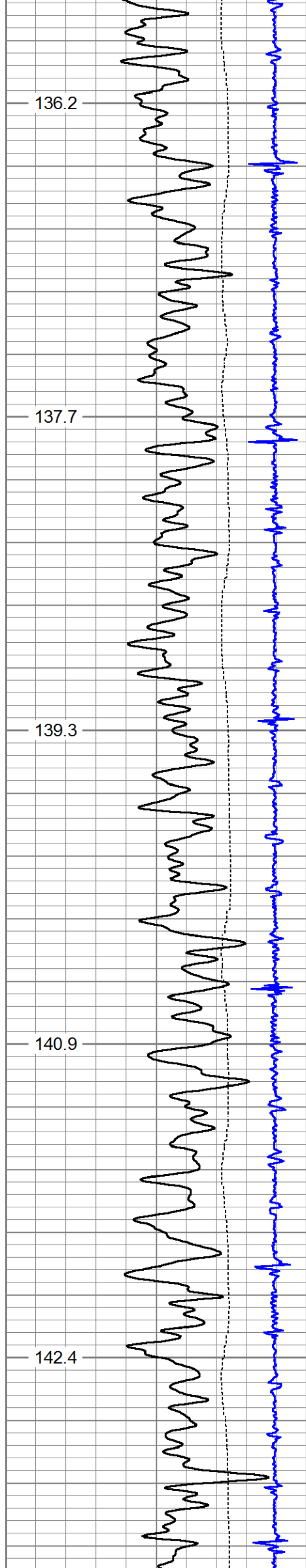


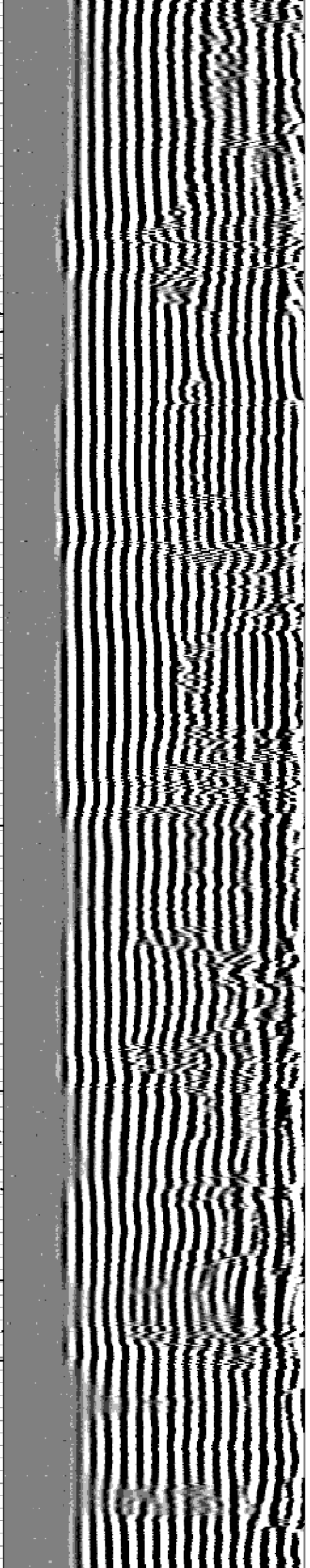
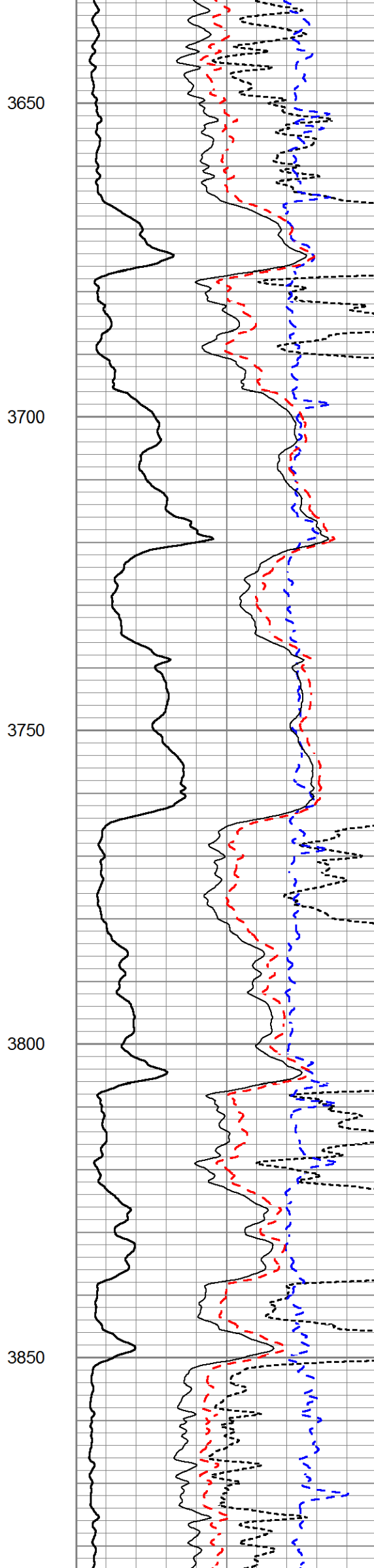
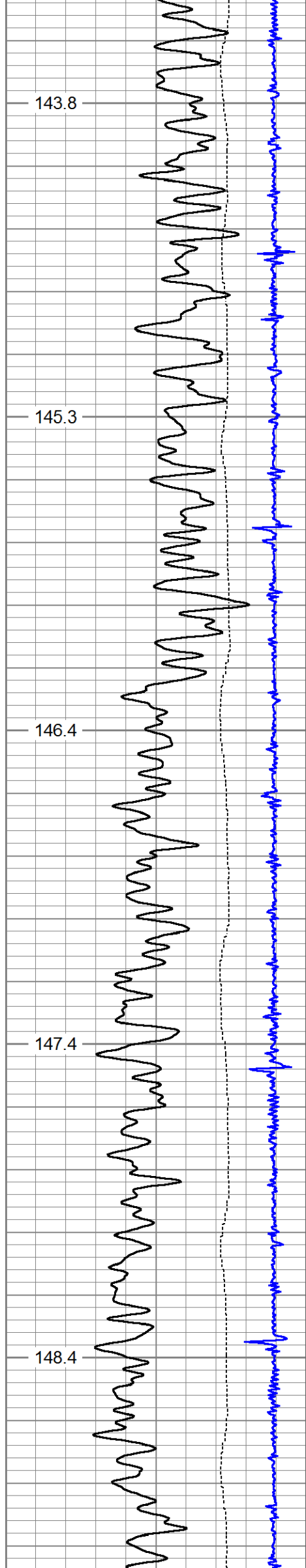


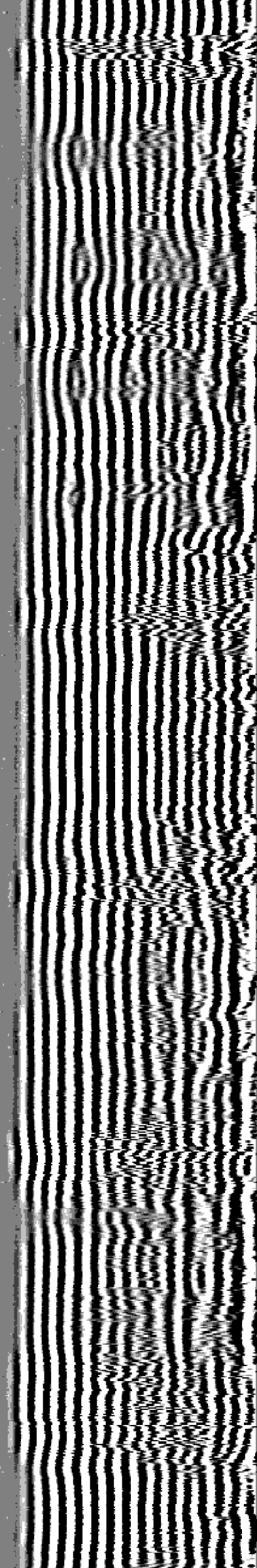
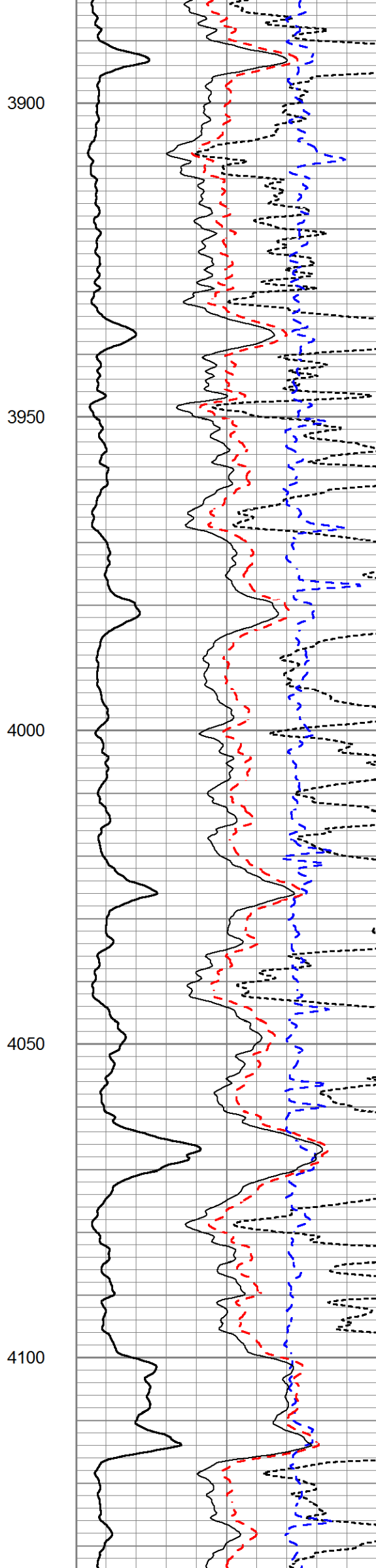
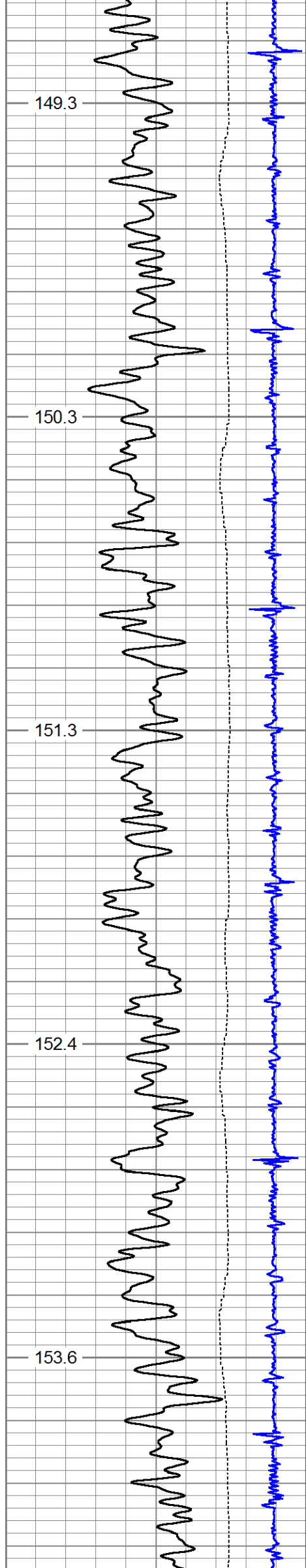


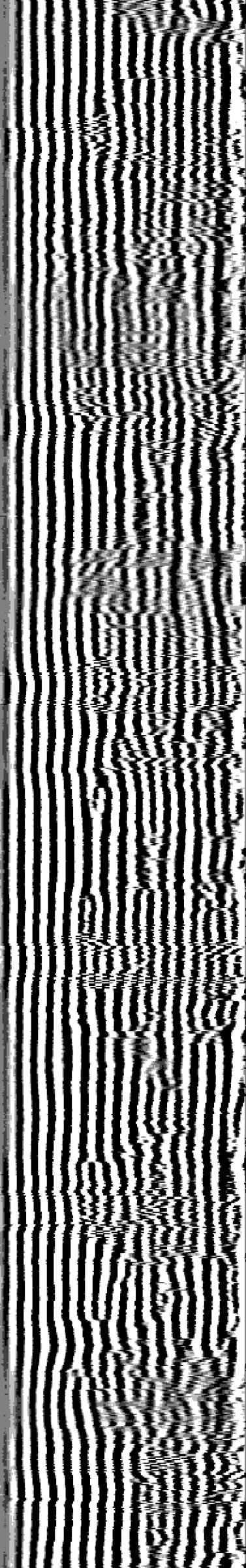
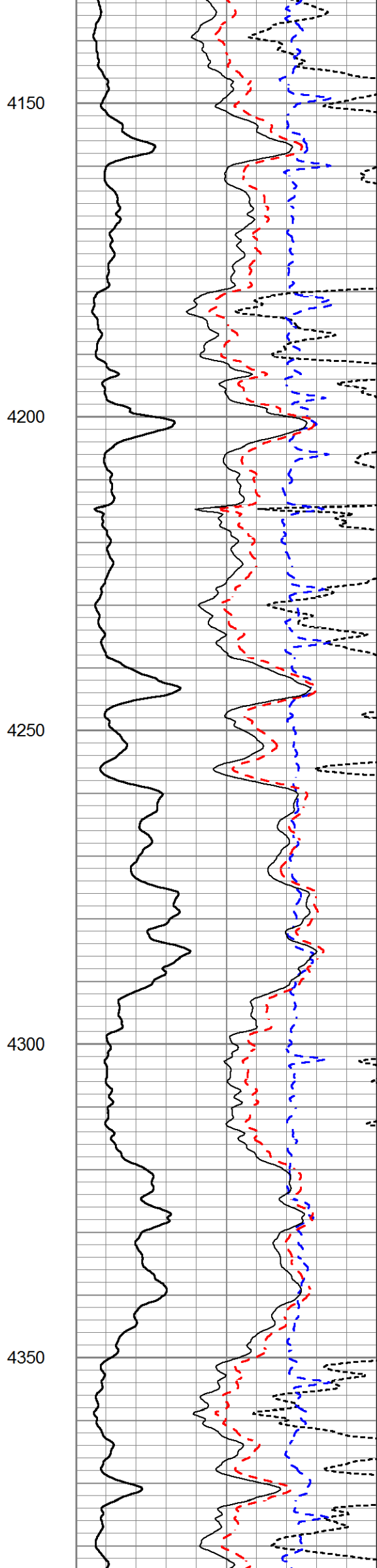
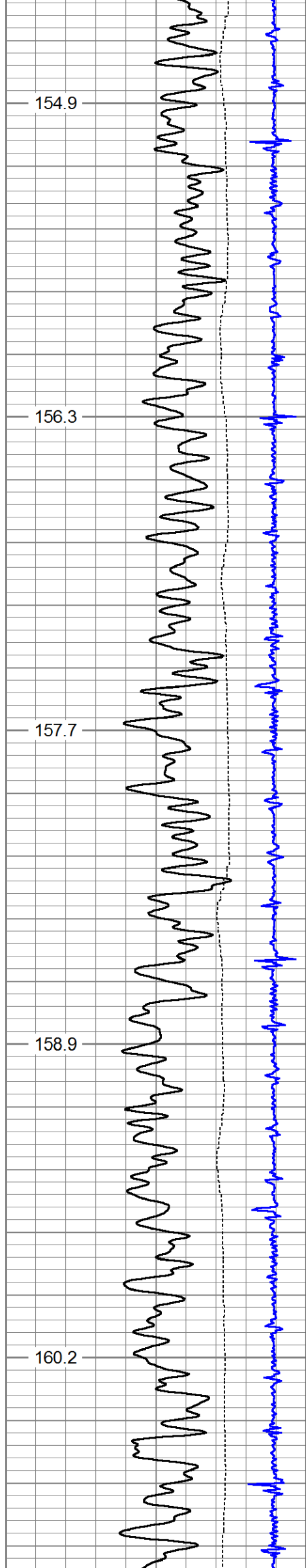


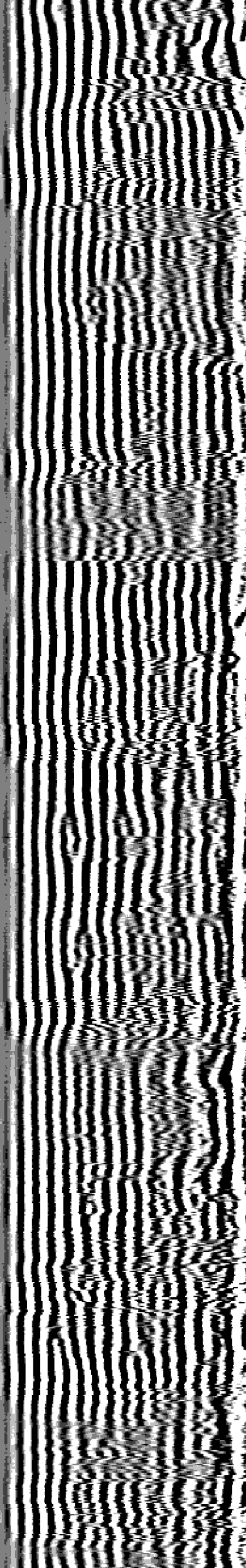
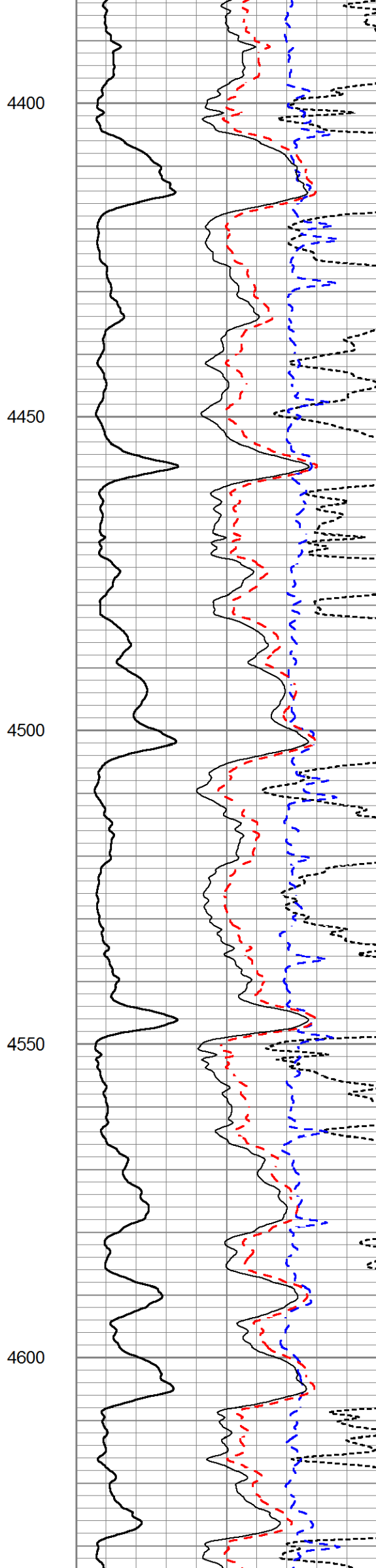
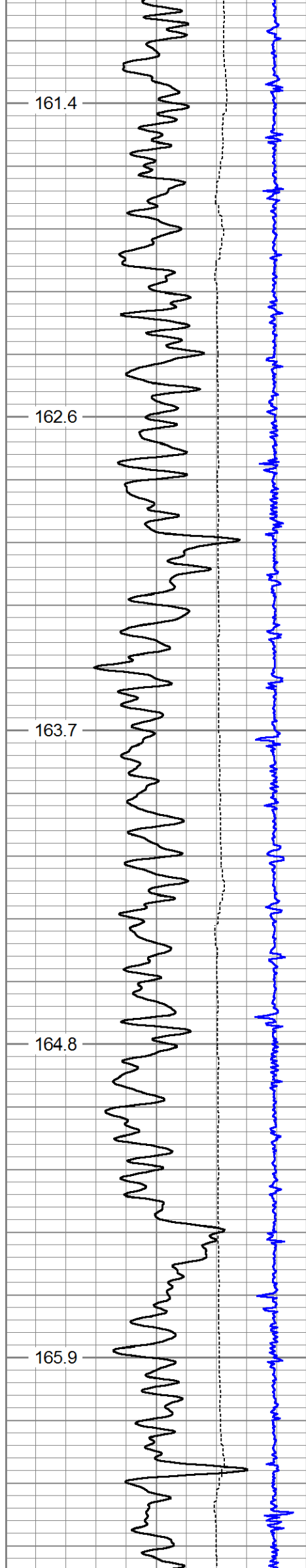


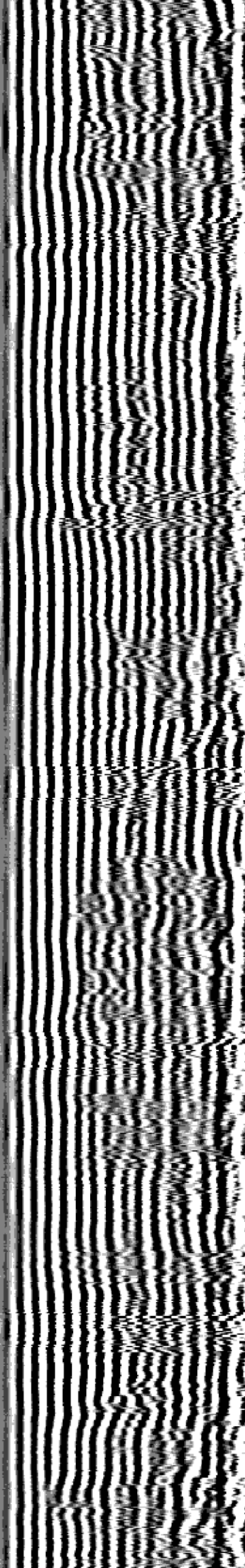
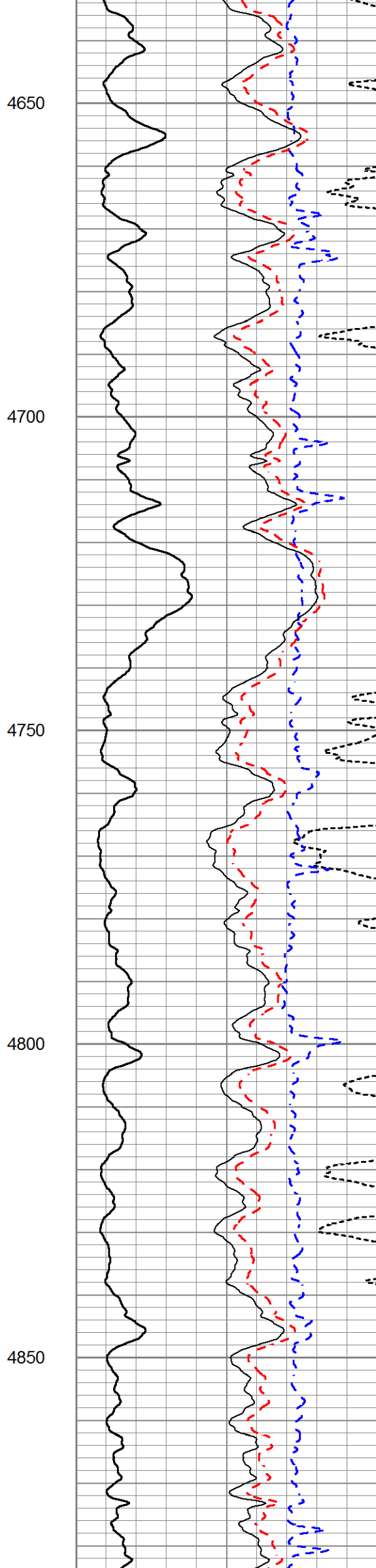
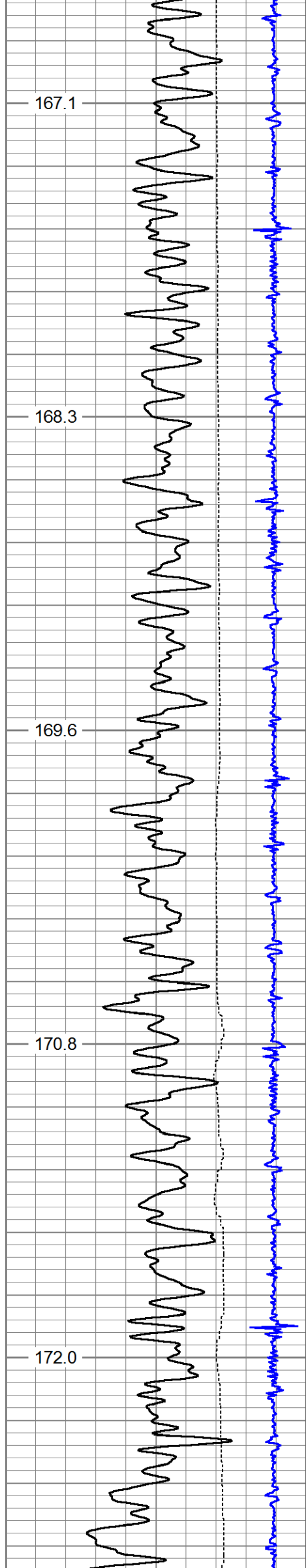


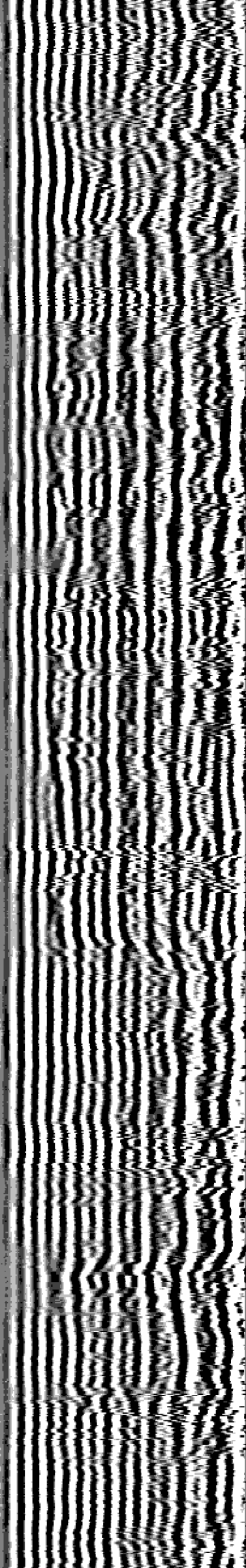
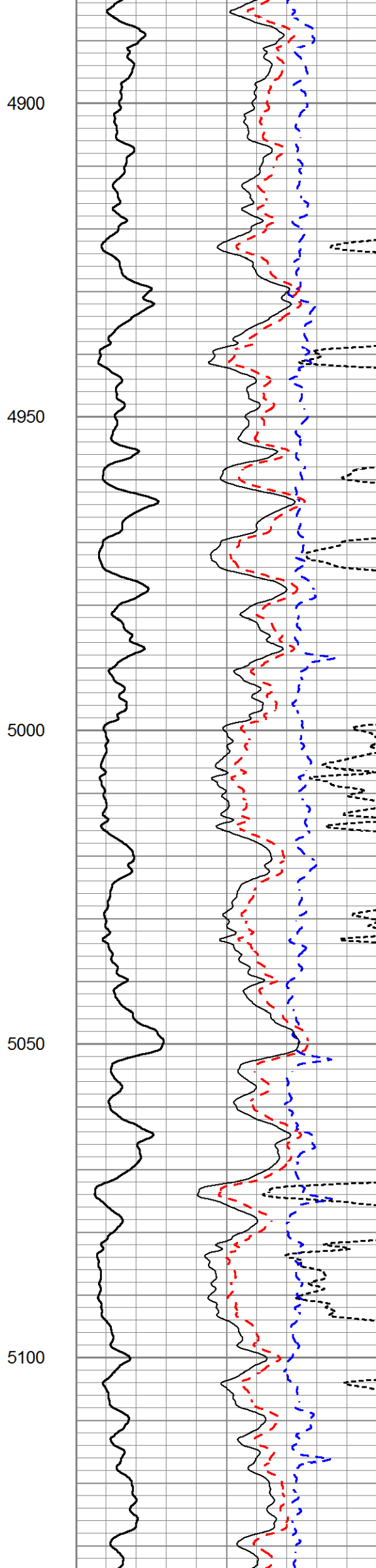
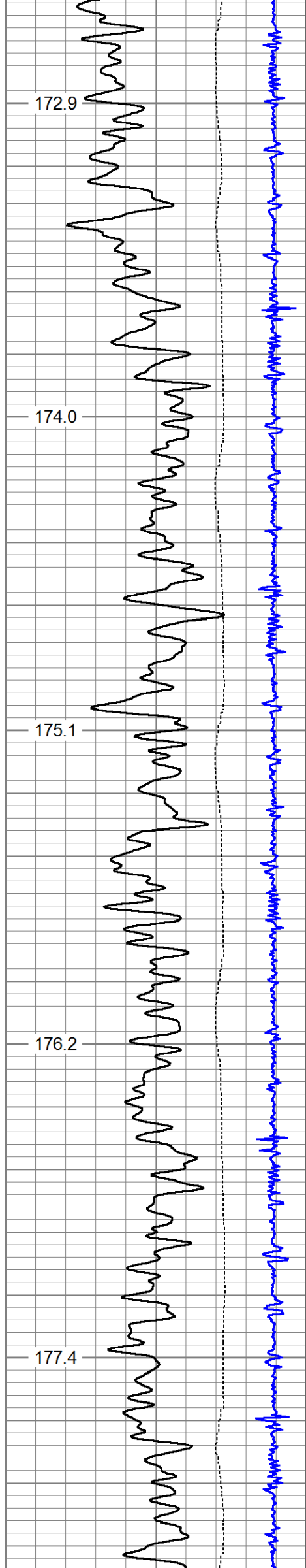


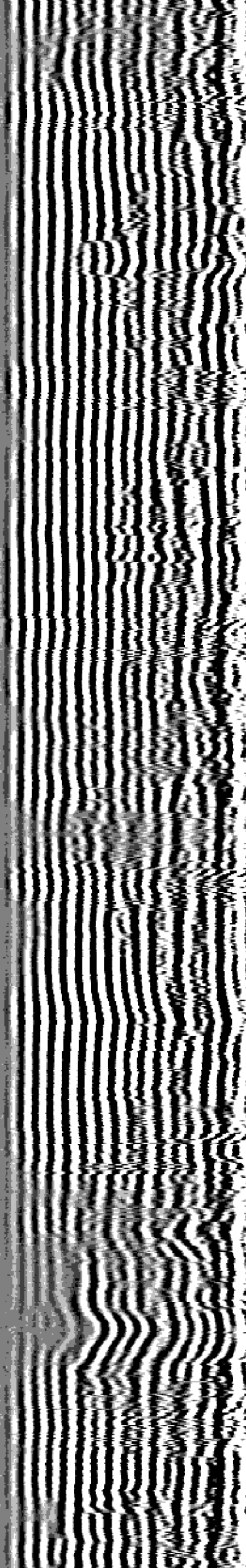
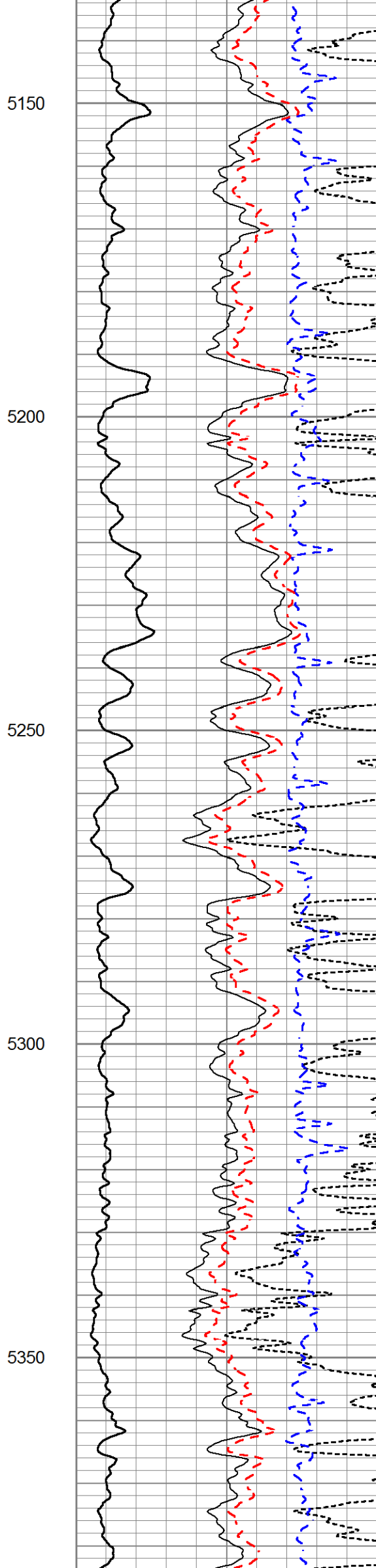
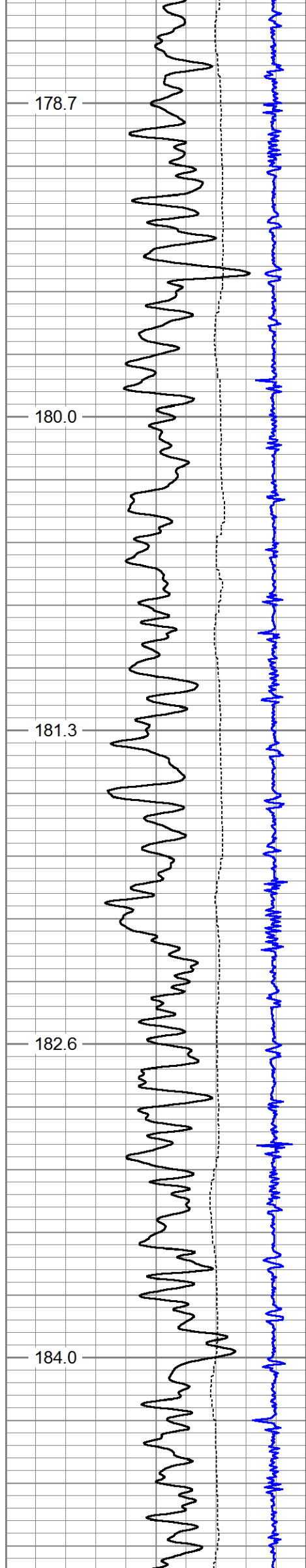


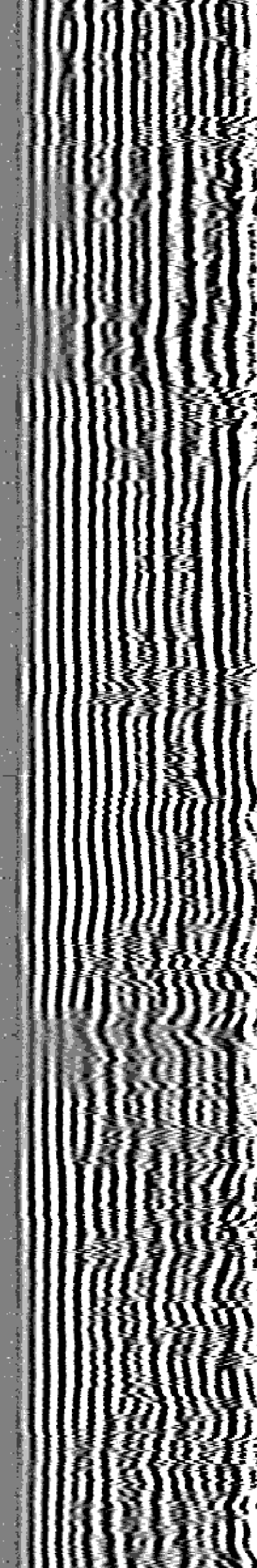
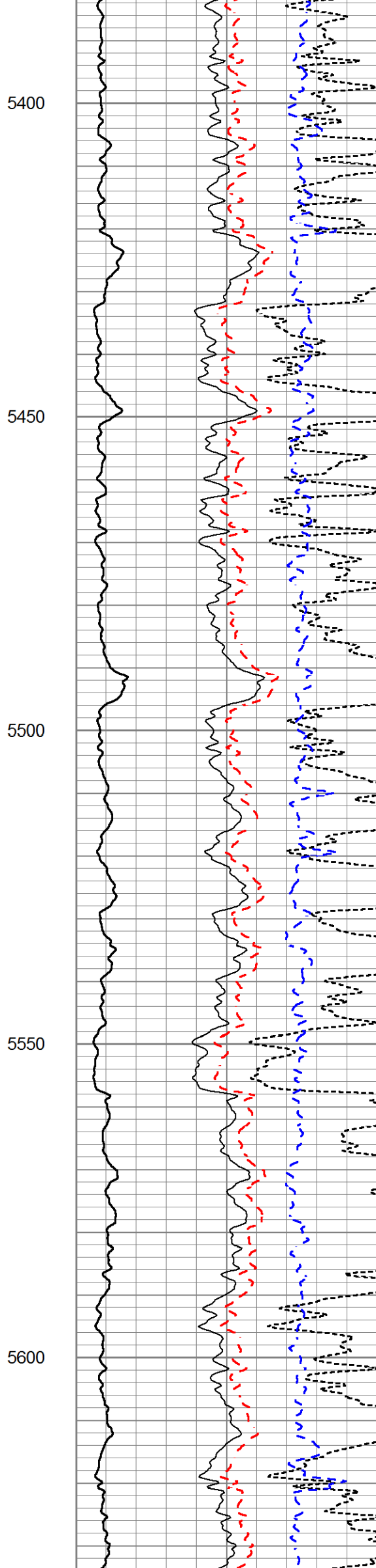
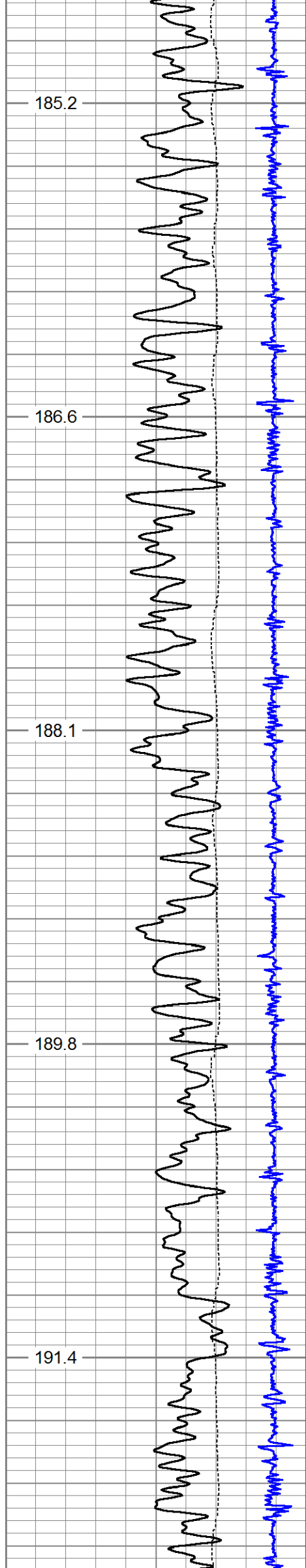


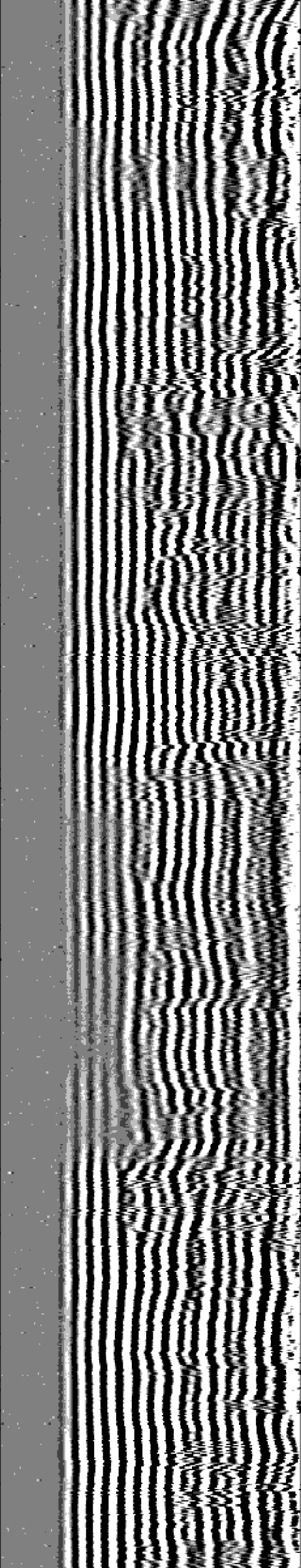
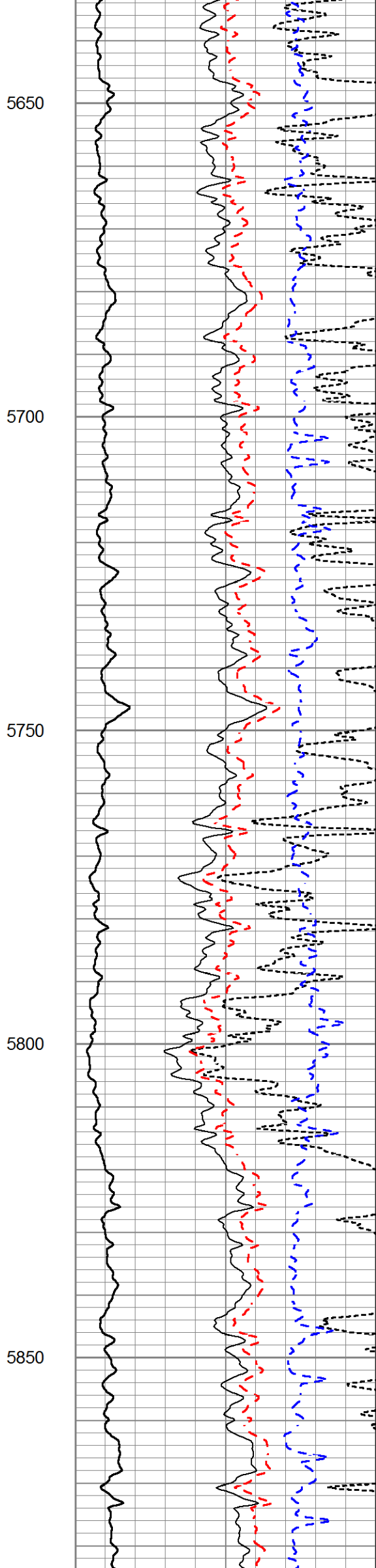
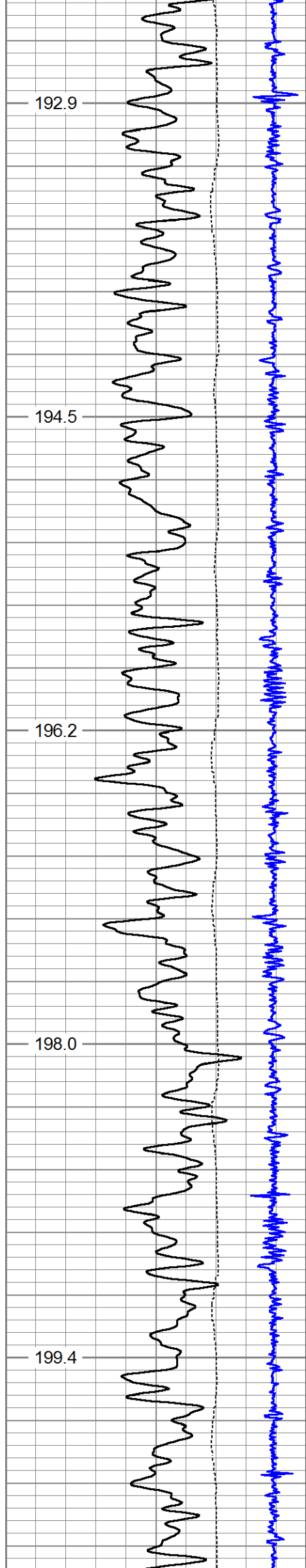


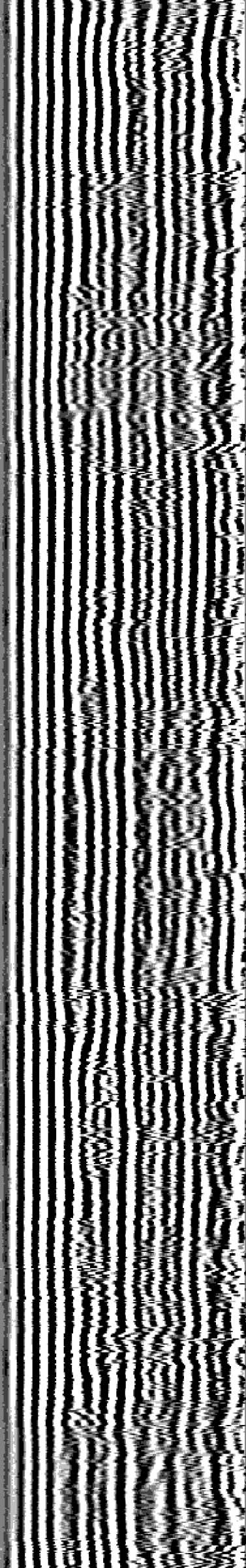
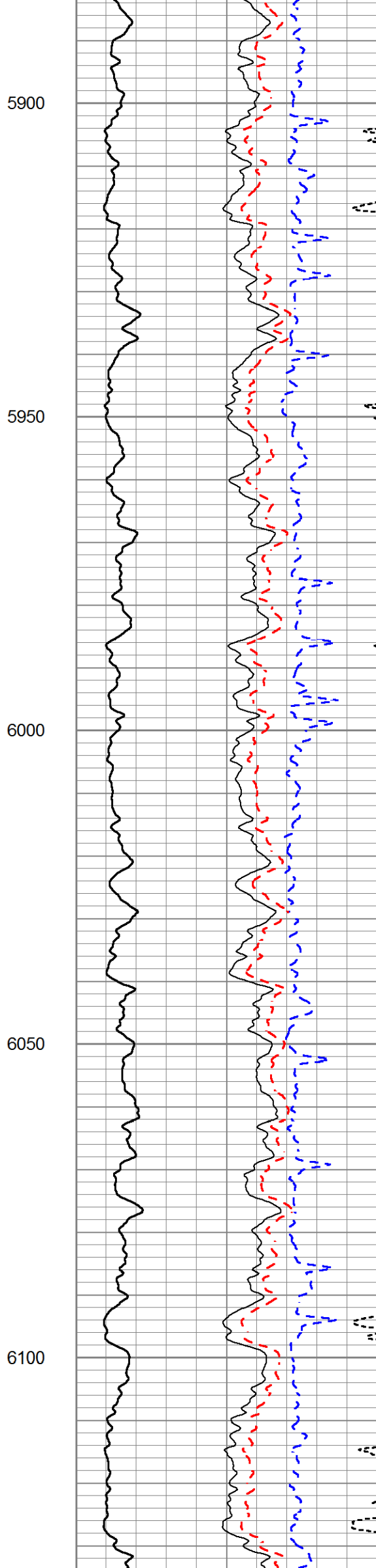
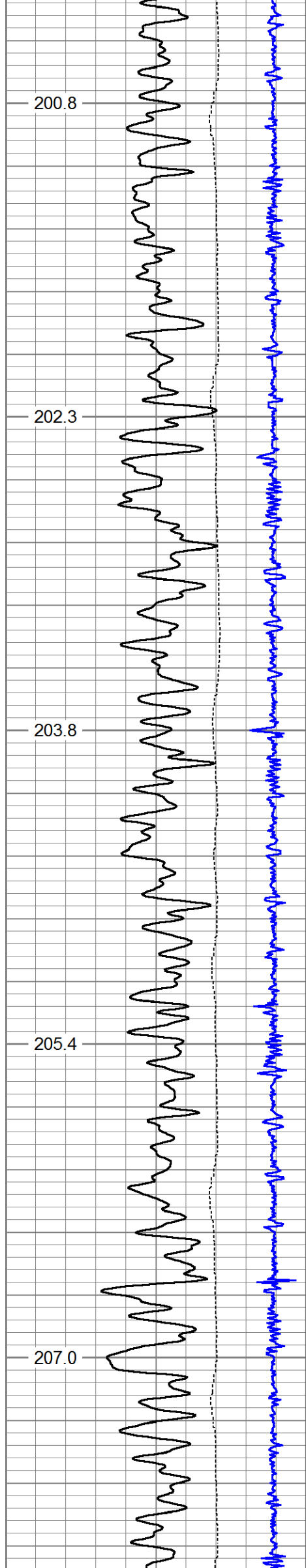


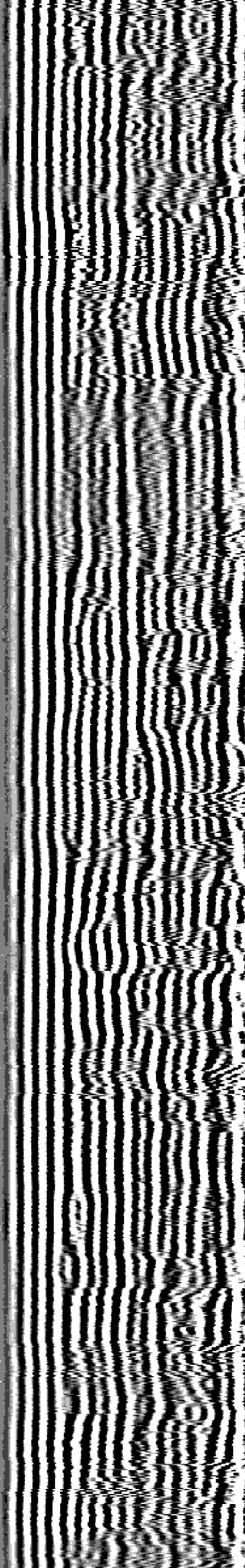
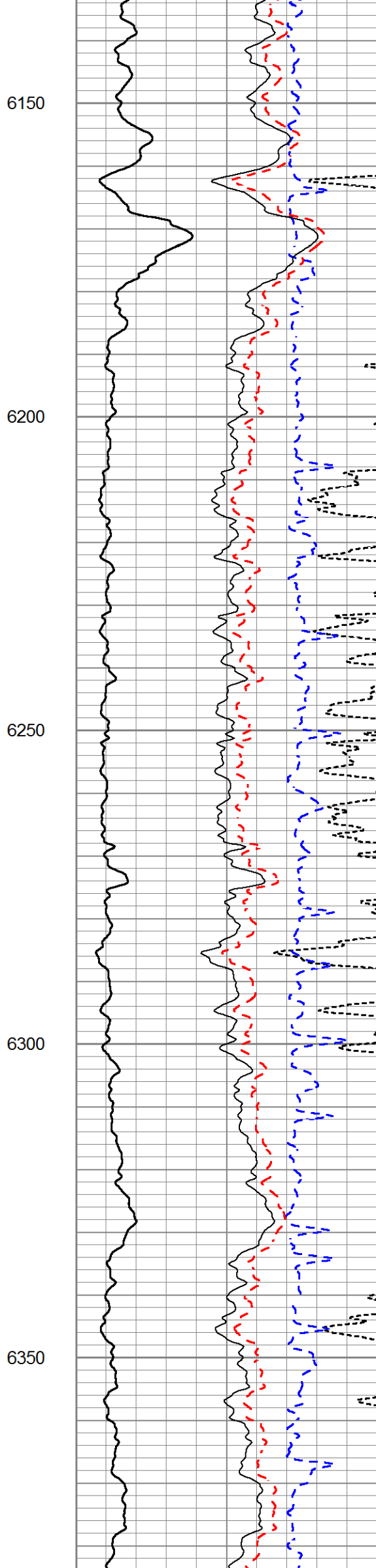
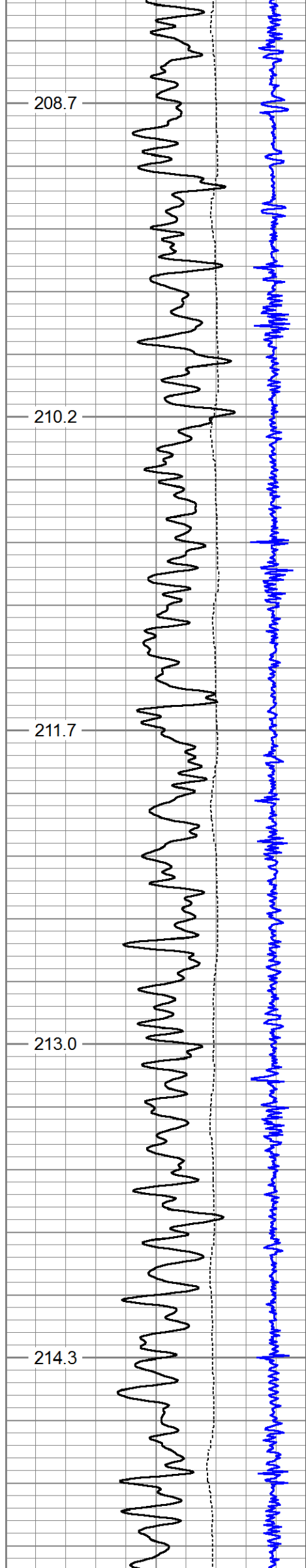


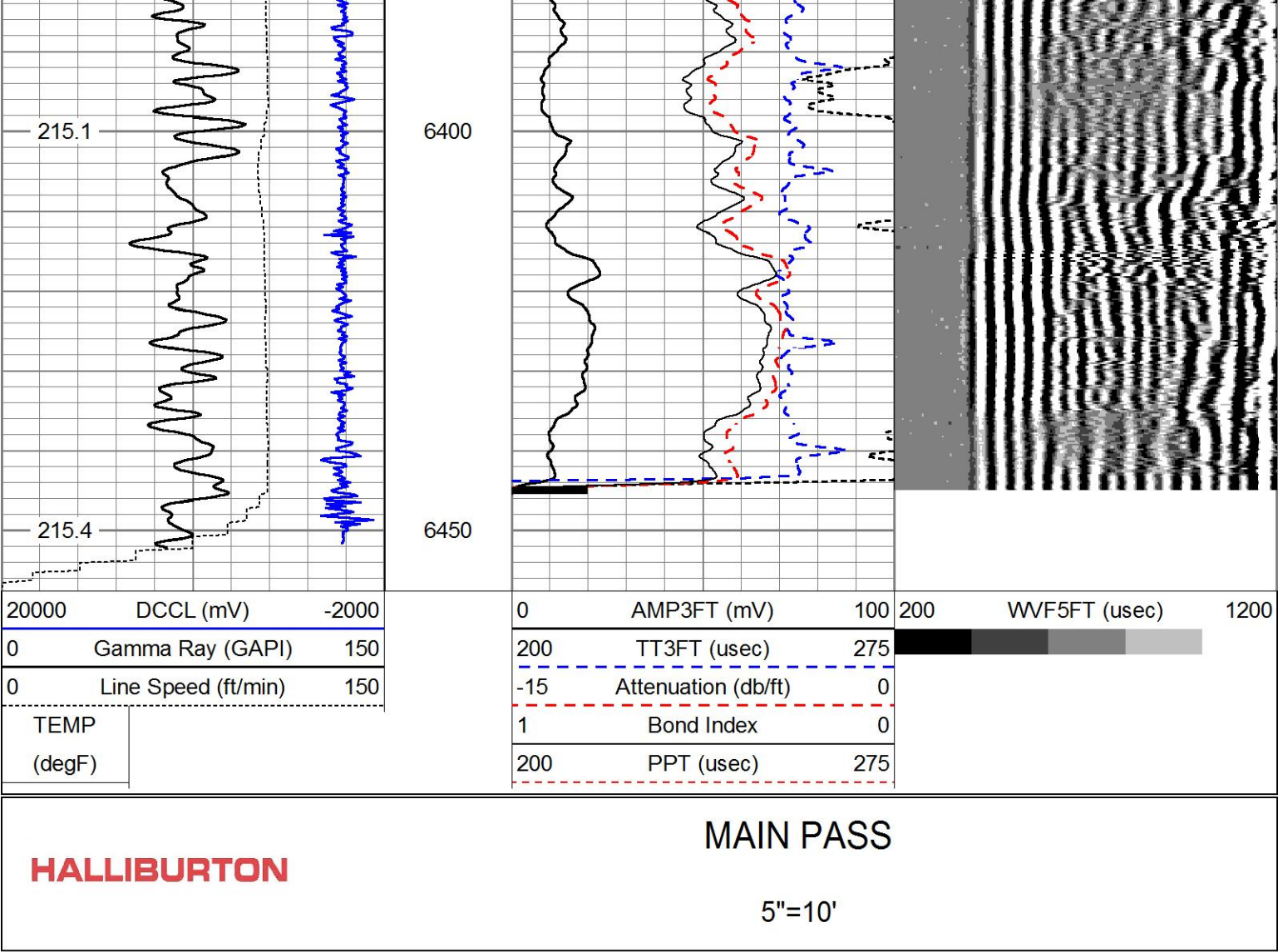


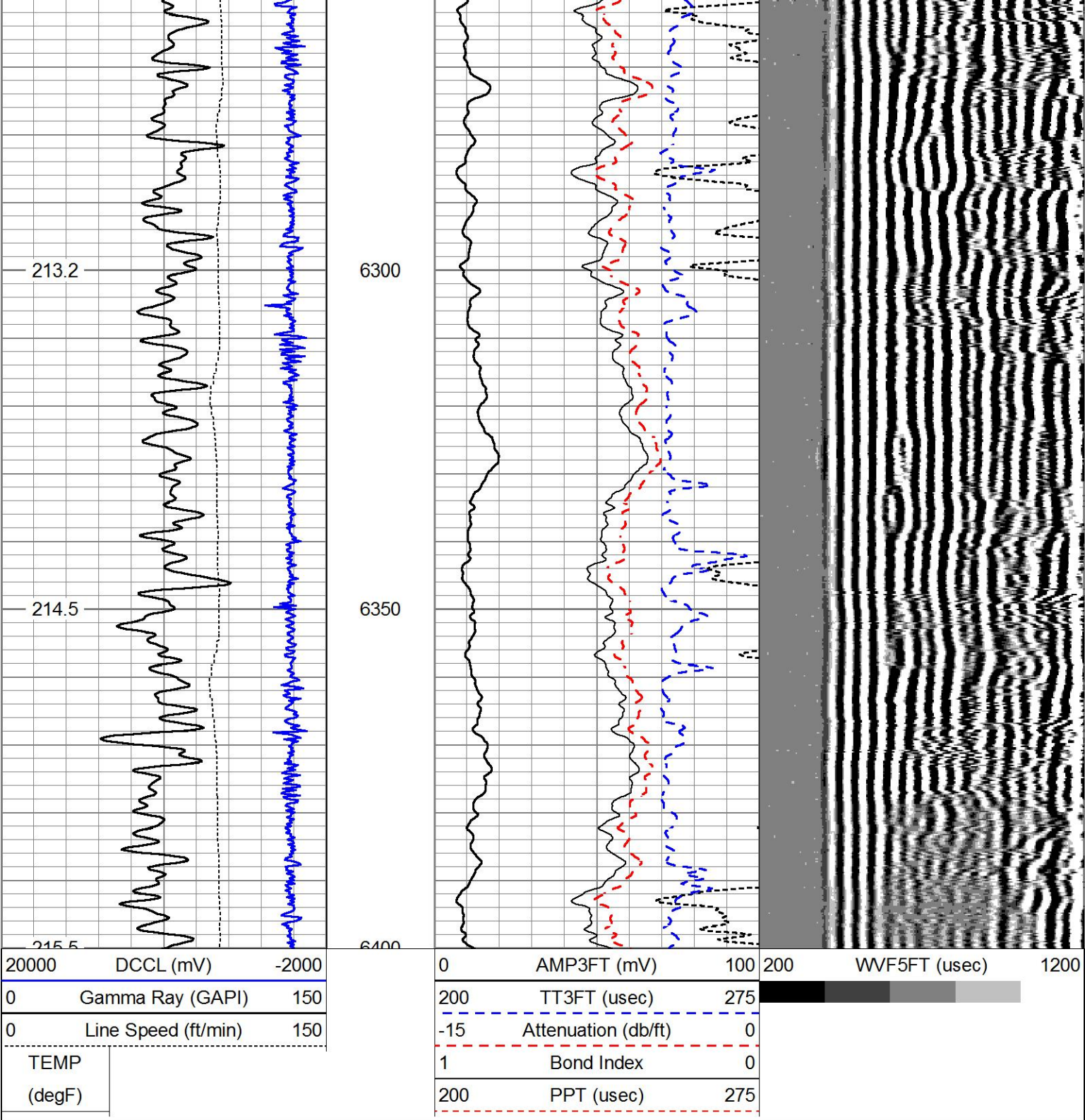












REPEAT PASS

5"=10'

Log Variables

DatabaseC:\ProgramData\Warrior\Data\src_bost_farms_26n-8b-l_cbl.db
Dataset Bost/26N-8B--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	40	17655	0	1.7

Calibration Report

Database File src_bost_farms_26n-8b-l_cbl.db
Dataset Pathname Bost/26N-8B--L_CBL/ONE/REPEAT

Dataset Pathname: D:\2019\CD_L_CODE\ONE\REF_L\A1

Dataset Creation: Fri Jan 18 04:17:18 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:	1342.738	ft				

Master Calibration, performed Thu Jan 17 20:56:50 2019:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	1.318	0.250	72.000	54.707	-0.092
CAL						
5'	0.007	0.954	0.250	72.000	75.741	-0.246
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Internal Reference Calibration, performed (Not Performed):						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL						

Air Zero Calibration, performed Thu Jan 17 20:27:57 2019:						
	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1						

S1
S2
S3
S4
S5
S6
S7
S8

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
WVF3FT	13.27		STNDCH-STND_CH 1.4375 IN CABLE HEAD	1.28	1.44	5.25
			WT-2.0" 2.0" WEIGHT BAR	7.00	2.00	120.00
			CENT-Probe_275 Probe 2 3/4 Centralizer	2.88	2.75	20.00
			CBL-Probe (275) Probe 2.75" Dual Receiver Bond	8.92	2.75	60.00
			CENT-Probe_275 Probe 2 3/4 Centralizer	2.88	2.75	20.00
DCCL CCL	5.51 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_26n-8b-l_cbl.db: Bost/26N-8B--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 26N-8B-L				
Field	WATTENBERG				
County	WELD	State	CO		
HALLIBURTON					
		CEMENT BOND LOG			