



CROSS-MULTIPOLE ARRAY ACOUSTILOG
GAMMA RAY LOG
X-Y AXIS CALIPER LOG

FILE NO:	COMPANY	MGM ENERGY CORP	
API NO:	WELL	MGM SHELL EAST MACKAY 1-78	
	FIELD	EAST MACKAY	
	PROVINCE	NORTHWEST TERRITORIES	
Ver. 3.87	LOCATION:		
UID:		OTHER SERVICES	
3001786450125 30		2ZDL-CN-GR-XYCAL	
LICENSE:		STAR-CBIL-GR, DSL	
1202		HDIL-GR-CAL, CVL	
		FLEX-DSL, MREX	
		DIRSUR	
PERMANENT DATUM	G.L.	ELEVATION	155.00 M
LOG MEASURED FROM	K.B.	6.20 M	ABOVE P.D.
DRILL. MEAS. FROM	KELLY BUSHING		
DATE	17-FEB-2013		
RUN	2	TRIP	2
SERVICE ORDER	CA215446		
DEPTH DRILLER	2001.0 M		
DEPTH LOGGER	1999.0 M		
BOTTOM LOGGED INTERVAL	1990.5 M		
TOP LOGGED INTERVAL	25.0 M		
CASING DRILLER	244.5 MM	Ø 401.8 M	Ø
CASING LOGGER	402.2 M		
BIT SIZE	222.0 MM		
TYPE OF FLUID IN HOLE	GELCHEM		
DENSITY	1125.0 G/L	95.0 CP	
PH	9.0	6.0 ML	
SOURCE OF SAMPLE	TOOL MEASURED		
RM AT MEAS. TEMP.	1.82 OHMM	Ø 15.0 DEGC	Ø
RMF AT MEAS. TEMP.	1.57 OHMM	Ø 15.0 DEGC	Ø
RMC AT MEAS. TEMP.	2.18 OHMM	Ø 15.0 DEGC	Ø
SOURCE OF RMF	RMC	CALCULATED	CALCULATED
RM AT BHT	1.04 OHMM	Ø 53.8 DEGC	Ø
TIME SINCE CIRCULATION	9.0 HOURS		
MAX. RECORDED TEMP.	56.9 DEGC		
EQUIP. NO.	Z008672	CANADA OPEN	
RECORDED BY	J. COLLIER/I. ZALESKI KH		
WITNESSED BY	D. PRIOR		

CASING RECORD			
SIZE	WEIGHT	GRADE	FROM
244.5 MM	59.5 KG/M	NA	0.0 M
			401.8 M

BOREHOLE RECORD		
BIT SIZE	FROM	TO
311.0 MM	0.0 M	401.8 M
222.0 MM	401.8 M	2001.0 M

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

RUN 2 TRIP 2 : TIME STOPPED CIRCULATION: 17-FEB-2013 09:00 AM

REMARKS

CORRELATED TO BAKER HUGHES WIRELINE 29-JAN-2013
R2T1 GR FAILED NEAR 600M, SPLICED GR FROM DOWNLOG AT 659.0M
R2T1 STUCK AT 1973.5M, LOGGED UP WHEN TOOLS BECAME FREE, RIG DID WIPER TRIP
AFTER WIPER TRIP RUN TOOLS AS FOLLOW: XMAC/HDIL, STAR/CBIL, FLEX/MREX
SPLICED WITH R2T1 AT 1603M
OVERLAYED R2T2 WITH R2T1 FOR REPEAT
INTEGRATED TRANSIT TIME TICS EVERY: 1.0, 10.0, & 100.0 µSEC.

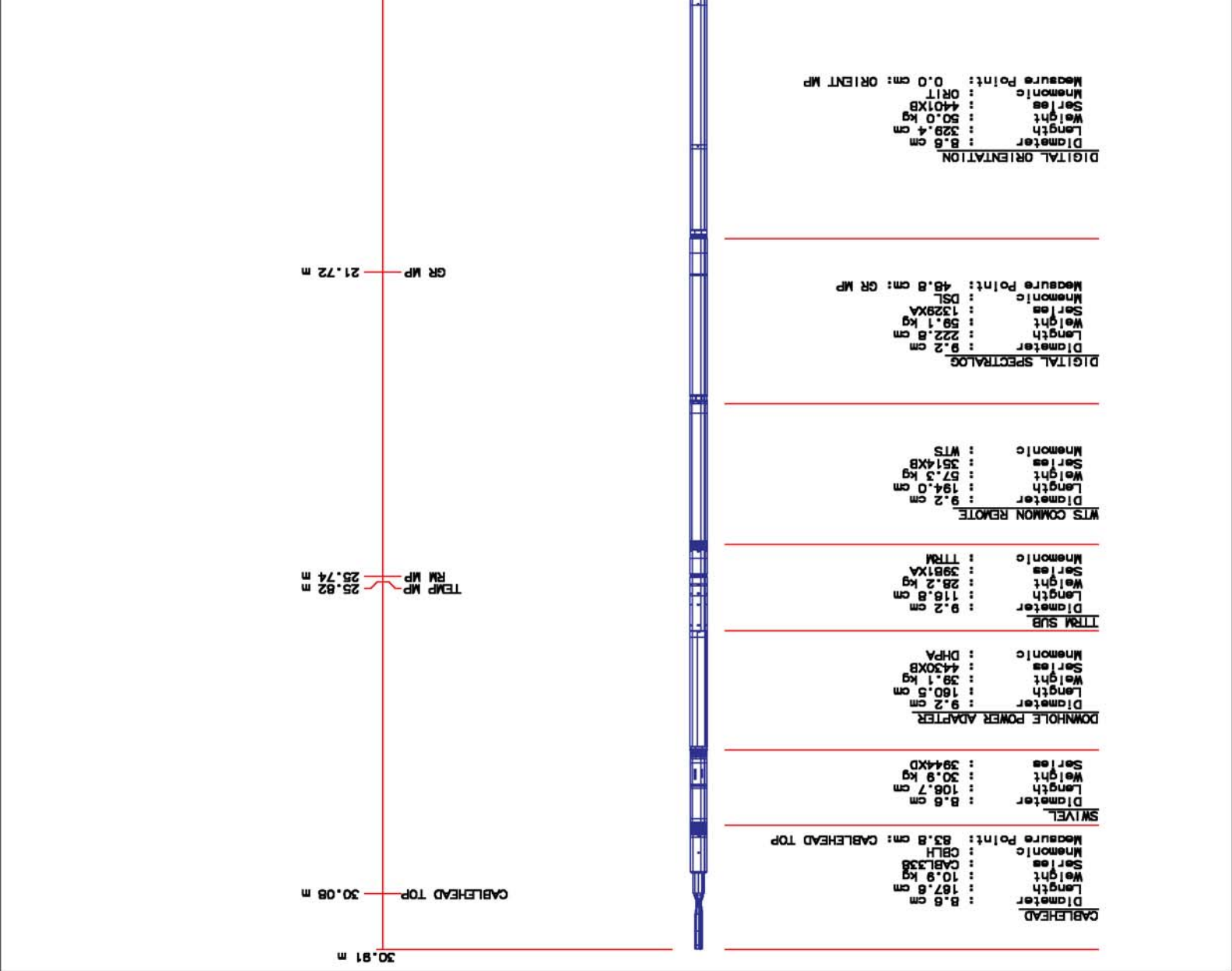
RIG: AKITA 37

CREW: J. COLLIER, I. ZALESKI KH, J. WOODS, N. MCDERMID, J. PEREIRA, J. VANDERHONIG, T. N.

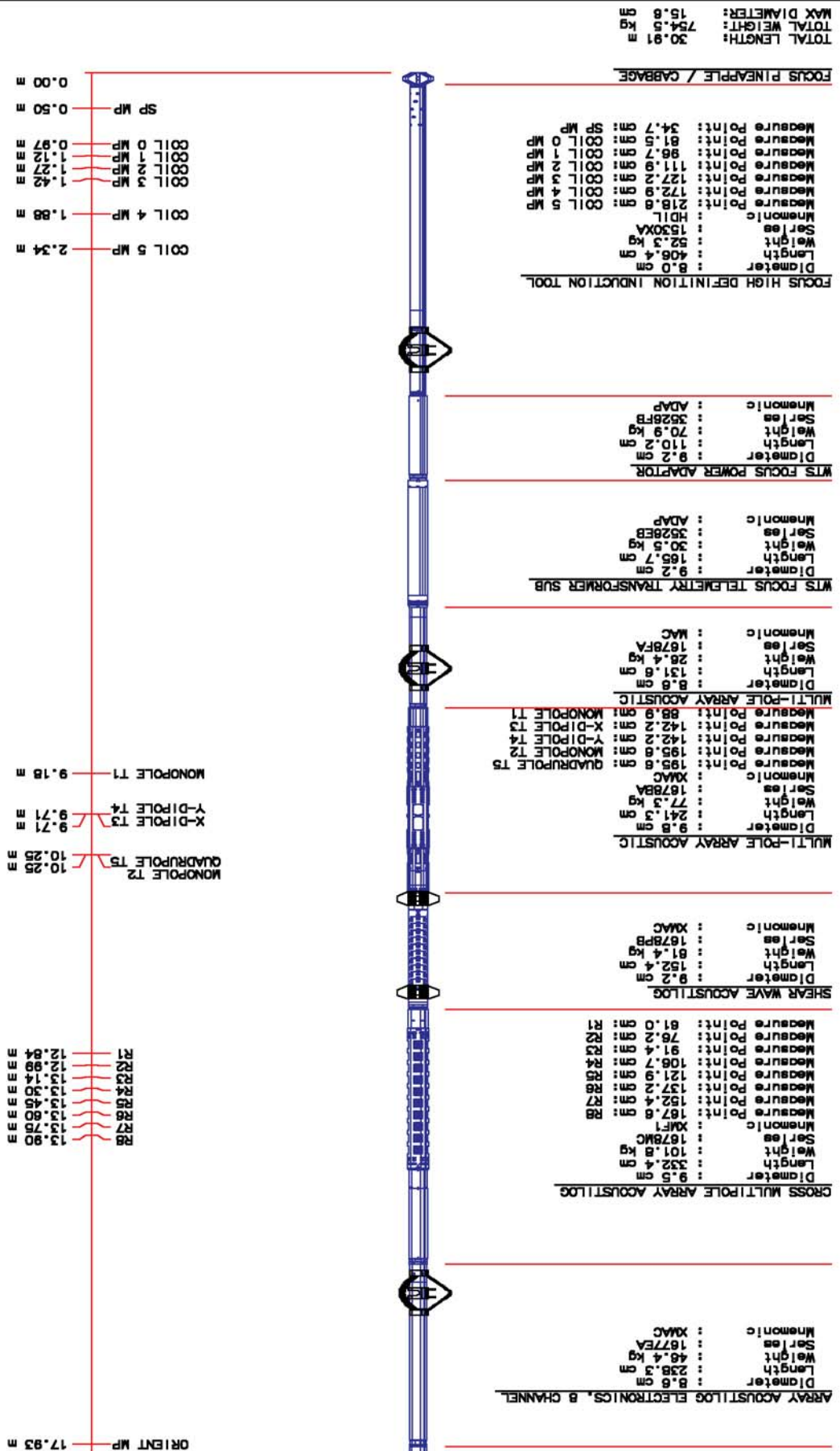
EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
2	2	SWIVEL	3944XD	10513050	FREE
2	2	DHPA	4430XB	10390598	FREE
2	2	TTRM SUB	3981XB	10516528	FREE
2	2	COMM	3514XB	10504656	FREE
2	2	WTS DGR/SU	1329XB	10293862	FREE
2	2	ORIT	4401XB	12466129	FREE
2	2	ACOUSTIC EL	1677EA	10383992	CENTRALIZED
2	2	XMAC RX MDR	1678MC	10386815	CENTRALIZED
2	2	XMAC ISO	1678PB	10039369	FREE
2	2	XMAC TX ELC	1678BA	12168167	CENTRALIZED
2	2	XMAC TX ELC	1678FA	12188364	CENTRALIZED
2	2	FOC/WTS ADP	3527EA	12337591	FREE
2	2	FOC/WTS ADP	3527FA	12494796	FREE
2	2	FOCUS HDIL	1530XA	10125755	STANDOFF

INSTRUMENT CONFIGURATION

Source File: /data/MGM/run2_oh/r212-tdg



MAIN LOG - UPPER PRESENTATION



PARAMETER AND FILTER SUMMARY REPORT

FILE: /data1a/MGM/run2_oh/m980e02.prm
LOGGING MODE: DEPTH 336.788 m
TOP DEPTH: 1994.840 m
DIRECTION: DOWN
BOTTOM DEPTH: 1994.840 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
BOREHOLE & CEMENT				
CHT	FILTER ()	medium (1)		TOP
TENSION	FILTER ()	medium (1)		TOP
GR	FILTER ()	medium (1)		TOP
DT24	FILTER ()	light (2)		TOP
CALIPER	FILTER ()	medium (1)		TOP
BIT SIZE				
BIT SIZE	BIT SIZE	222.000	mm	TOP
ACOUSTIC POROSITY				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
DELTA T CURVE SELECTION	DT24 SOURCE	AVAN DT24		TOP

ACOUSTIC AVAN CORRELATION

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
MONOPOLE DELTA T				
MONOPOLE COMPRESSIONAL	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	90	us/m	TOP
	FLOOR (UNIV. OPTION)	0.050		TOP
	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
MONOPOLE DELTA T	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	90	us/m	TOP
	FLOOR (UNIV. OPTION)	0.050		TOP
	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
ACOUSTIC WAVEFORM FILTER				
WAVEFORM FILTER - DELTA T	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	90	us/m	TOP
	FLOOR (UNIV. OPTION)	0.050		TOP
	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
WAVEFORM FILTER - FULLWAVE	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	90	us/m	TOP
	FLOOR (UNIV. OPTION)	0.050		TOP
	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
ACOUSTIC TCC CONTROL PARAMETERS				
WAVEFORM FILTER - FULLWAVE	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	90	us/m	TOP
	FLOOR (UNIV. OPTION)	0.050		TOP
WAVEFORM FILTER - DELTA T	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	90	us/m	TOP
	FLOOR (UNIV. OPTION)	0.050		TOP
GENERAL TCC PARAMETERS				
AGC	ON			TOP
SUBCYCLE LENGTH	50			TOP
SUBSET	4			TOP
STACK LEVEL	2			TOP
DSP FILTER	ON			TOP
GENERAL MONOPOLE TCC PARAMETERS				
DELTA T TCC PARAMETERS				TOP

ACCELERATION PROCESSING				MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
DELTA T TCC PARAMETERS	ACQ WINDOW	1684	us	..	..	..	..	..
	MOVEOUT	16	us/ft	..	..	..	..	..
	SAMPLE PERIOD	16	..	..	..	..	..	..
	RX DELAY	240	us	..	..	..	..	..
	ACQ WINDOW	0	us	..	..	..	..	..
	SAMPLE PERIOD	16	..	..	..	..	..	..
FULL WAVE MONOPOLE TCC PARAMETERS				..	..	..	..	..
ACCEL CORR SWITCH				ACCEL DEPTH CORR	CORRECTION OFF	TOP	BOTTOM	

PARAMETER AND FILTER SUMMARY REPORT								
FILE: /data/MGM/run2-oh/m980e07.prm LOGGING MODE: DEPTH UP TOP DEPTH: 353.008 m BOTTOM DEPTH: 1968.772 m								

SYMMETRIC FILTER				MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
CHT	FILTER ()	medium (1)	..	..	..	..	..	..
	TENSION	FILTER ()	medium (1)	..	..	..	..	..
	GR	FILTER ()	medium (1)	..	..	..	..	..
	DT24	FILTER ()	light (2)	..	..	..	..	..
	CALIPER	FILTER ()	medium (1)	..	..	..	..	..
BOREHOLE & CEMENT				MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
BIT SIZE				BIT SIZE	222.000	216.000	mm	TOP 1818.475 BOTTOM 1818.475
ACOUSTIC POROSITY				MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
DELTA T CURVE SELECTION				DT24 SOURCE	AVAN DT24	TOP	BOTTOM	

ACOUSTIC AVAN CORRELATION				MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
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MONOPOLE DELTA T	FORMATION TYPE	GENERIC (MEDIUM)	..	..	..	..	..	..
	CORRELATION METHOD	NTH ROOT	..	..	..	..	..	..
	RESET TAPERS	..	..	..	..	..	..	..
	TAPER - LEFT END	90	us/m	..	..	..	..	..
	TAPER - RIGHT END	350	us/m	..	..	..	..	..
	FLOOR (UNIV. OPTION)	0.050	..	..	..	..	..	..
	FORMATION TYPE	GENERIC (MEDIUM)	..	..	..	..	..	..
	CORRELATION METHOD	NTH ROOT	..	..	..	..	..	..
	RESET TAPERS	..	..	..	..	..	..	..
	TAPER - LEFT END	150	us/m	..	..	..	..	..
	TAPER - RIGHT END	450	us/m	..	..	..	..	..
	FLOOR (UNIV. OPTION)	0.050	..	..	..	..	..	..
ACOUSTIC WAVEFORM FILTER				MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
MONOPOLE COMPRESSIONAL	FORMATION TYPE	GENERIC (MEDIUM)	..	..	..	..	..	..
	CORRELATION METHOD	NTH ROOT	..	..	..	..	..	..
	RESET TAPERS	..	..	..	..	..	..	..
	TAPER - LEFT END	90	us/m	..	..	..	..	..
	TAPER - RIGHT END	350	us/m	..	..	..	..	..
	FLOOR (UNIV. OPTION)	0.050	..	..	..	..	..	..
	FORMATION TYPE	GENERIC (MEDIUM)	..	..	..	..	..	..
	CORRELATION METHOD	NTH ROOT	..	..	..	..	..	..
	RESET TAPERS	..	..	..	..	..	..	..
	TAPER - LEFT END	150	us/m	..	..	..	..	..
	TAPER - RIGHT END	450	us/m	..	..	..	..	..
	FLOOR (UNIV. OPTION)	0.050	..	..	..	..	..	..
ACOUSTIC WAVEFORM FILTER				MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
WAVEFORM FILTER - DELTA T	SURFACE WAVE FILTER	ON	..	..	..	..	..	..
	LOW FREQ CUTOFF	4000	Hz	..	..	..	..	..
	HIGH FREQ CUTOFF	20000	Hz	..	..	..	..	..
	SURFACE WAVE FILTER	ON	..	..	..	..	..	..
	LOW FREQ CUTOFF	7000	Hz	..	..	..	..	..
	HIGH FREQ CUTOFF	22000	Hz	..	..	..	..	..
	WAVEFORM FILTER - FULLWAVE	..	..	..	..	..	..	..
ACOUSTIC TCC CONTROL PARAMETERS				MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)

GENERAL TCC PARAMETERS								
FILE: /data/MGM/run2-oh/m980e07.prm LOGGING MODE: DEPTH UP TOP DEPTH: 353.008 m BOTTOM DEPTH: 1968.772 m								
ACCELERATION PROCESSING				MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
DELTA T TCC PARAMETERS	ACQ WINDOW	1684	us	..	..	..	..	..
	MOVEOUT	16	us/ft	..	..	..	..	..
	SAMPLE PERIOD	16	..	..	..	..	..	..
	RX DELAY	240	us	..	..	..	..	..
	ACQ WINDOW	0	us	..	..	..	..	..
	SAMPLE PERIOD	16	..	..	..	..	..	..
FULL WAVE MONOPOLE TCC PARAMETERS				..	..	..	..	..
ACCEL CORR SWITCH				ACCEL DEPTH CORR	CORRECTION OFF	TOP	BOTTOM	

METERS (ω/sn)

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Presentation
: sysa: data/MGM/run2_oh/mac_upper100-500.pdf [1:600 Scale]
Plot Interval
: 385 - 2010 Meters

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CURVE MEASURE POINT OFFSET

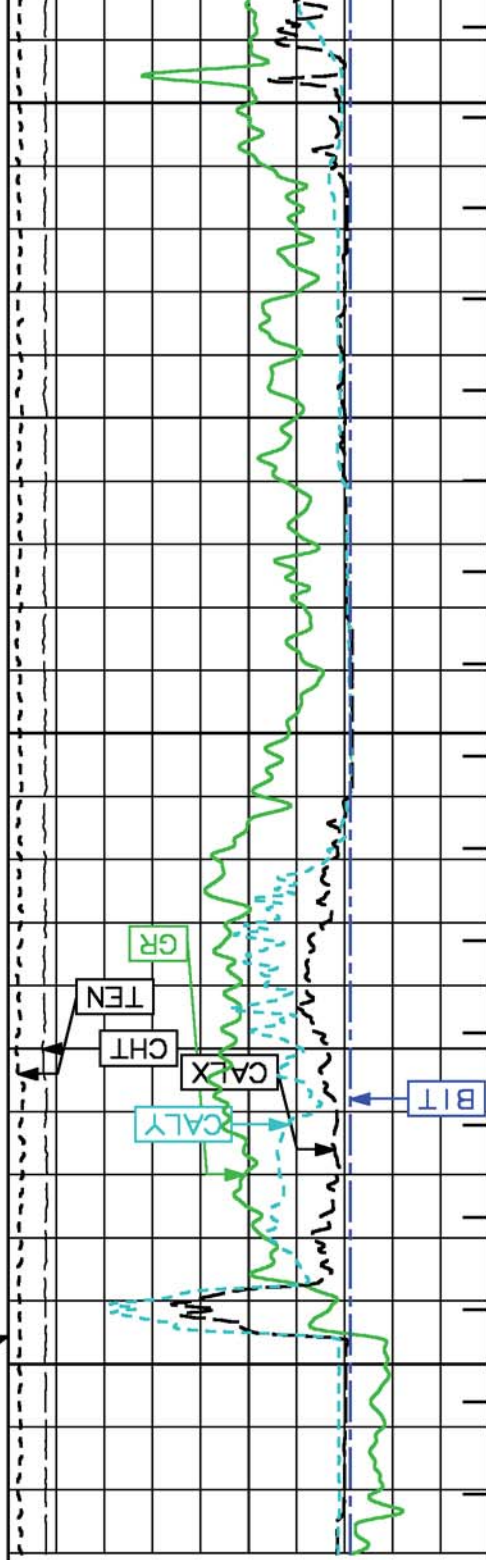
CURVE DESCRIPTION REPORT

ACCELERATION PROCESSING

MINUTE MARK

DIFF. TENSION [ten]
1900
-100 (kgf)

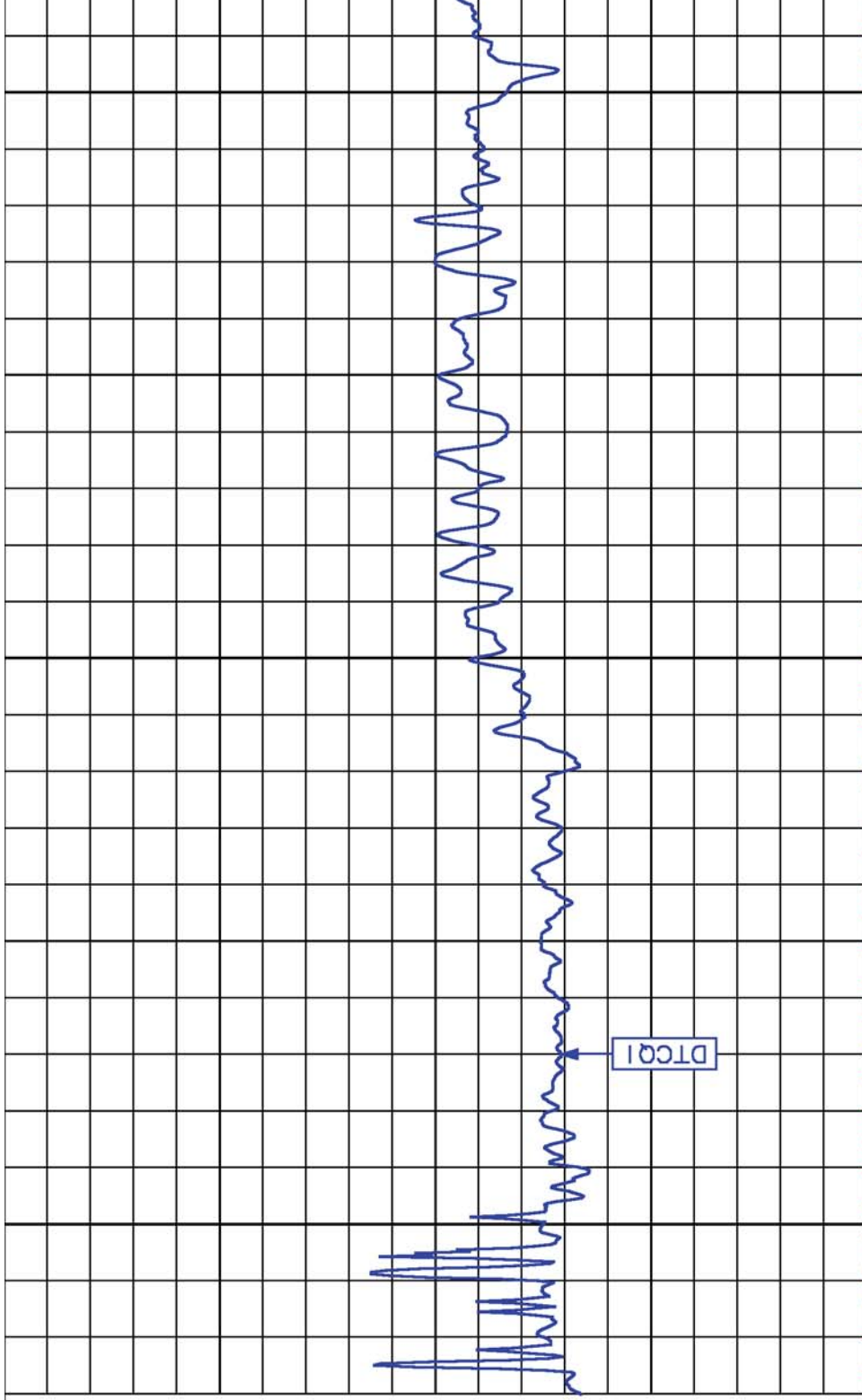
CH-TENSION [cht]
5500
500 (kgf)

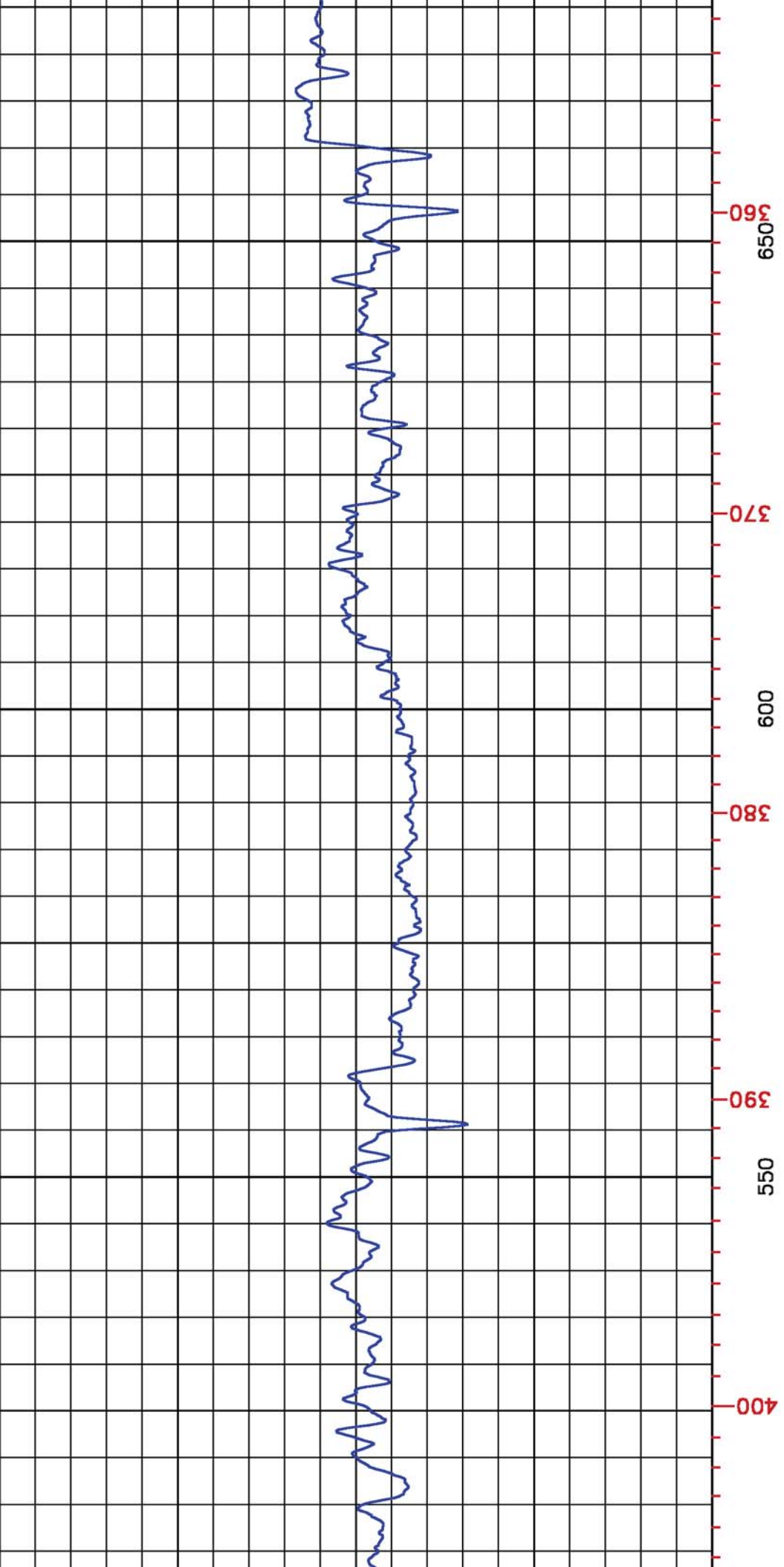
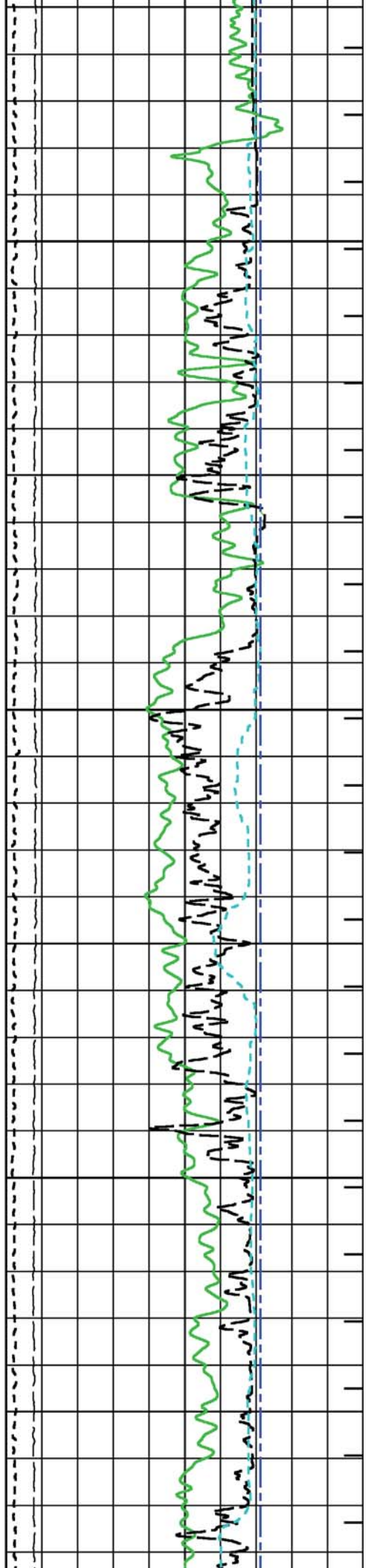


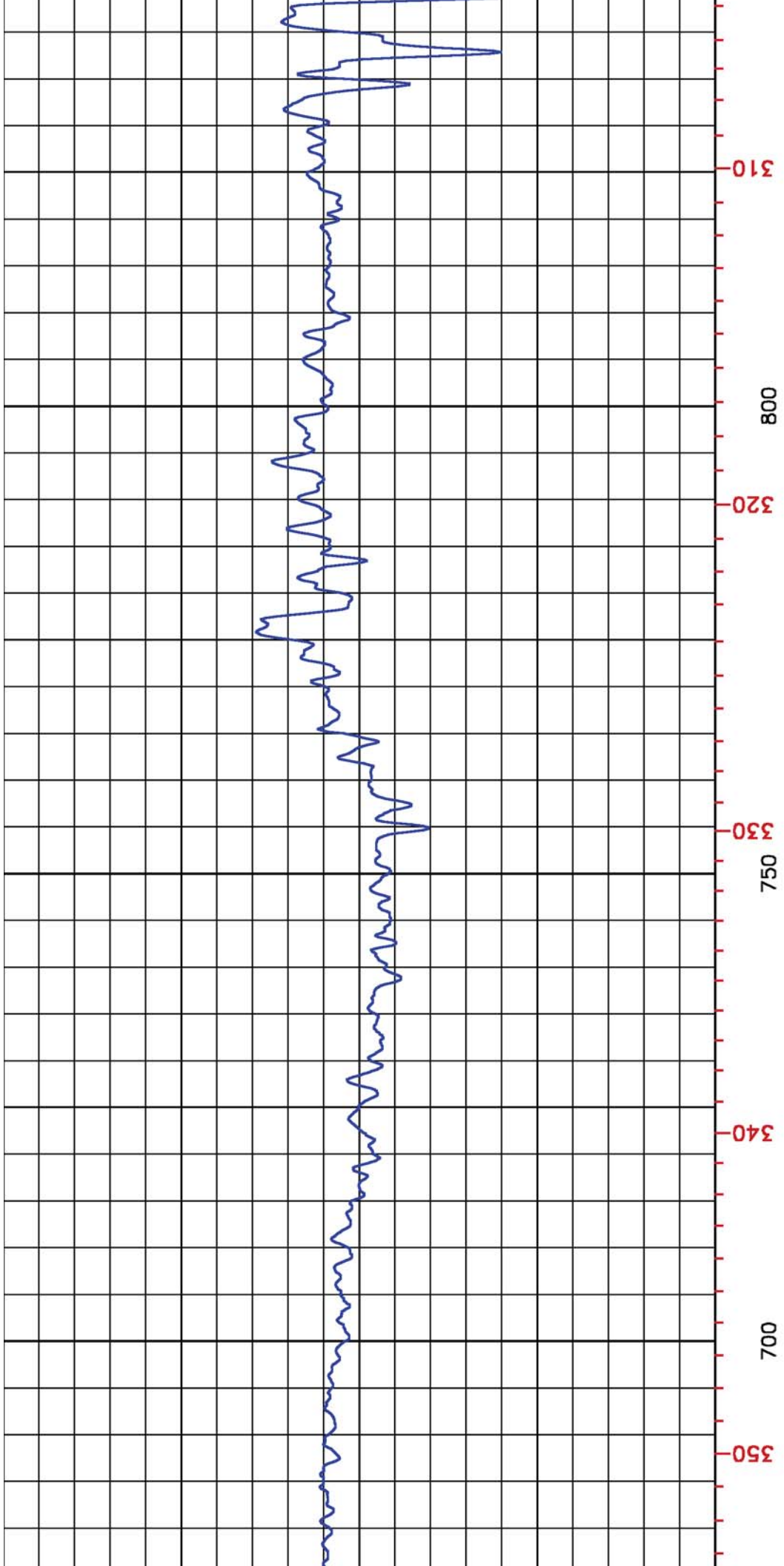
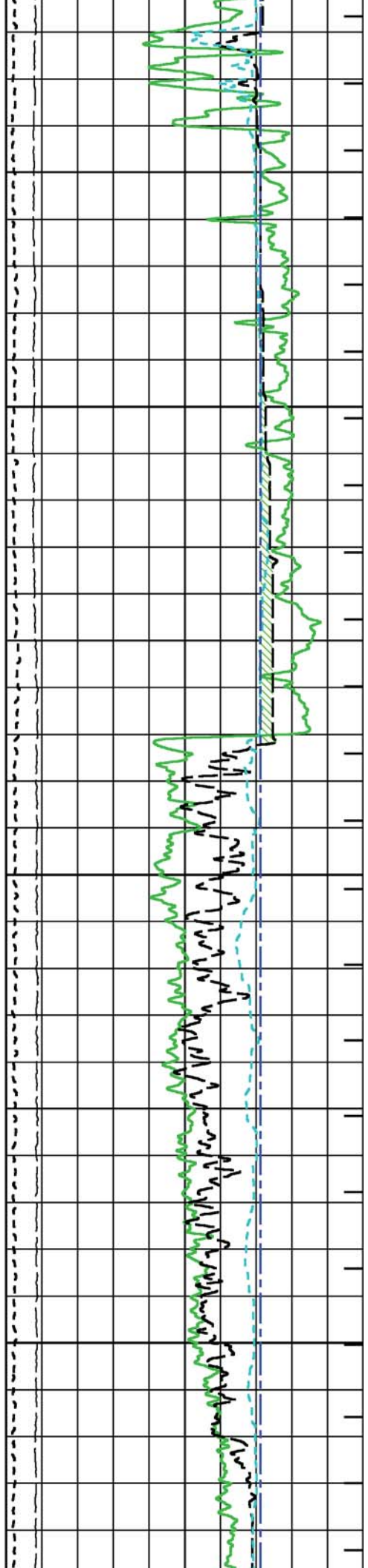
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10
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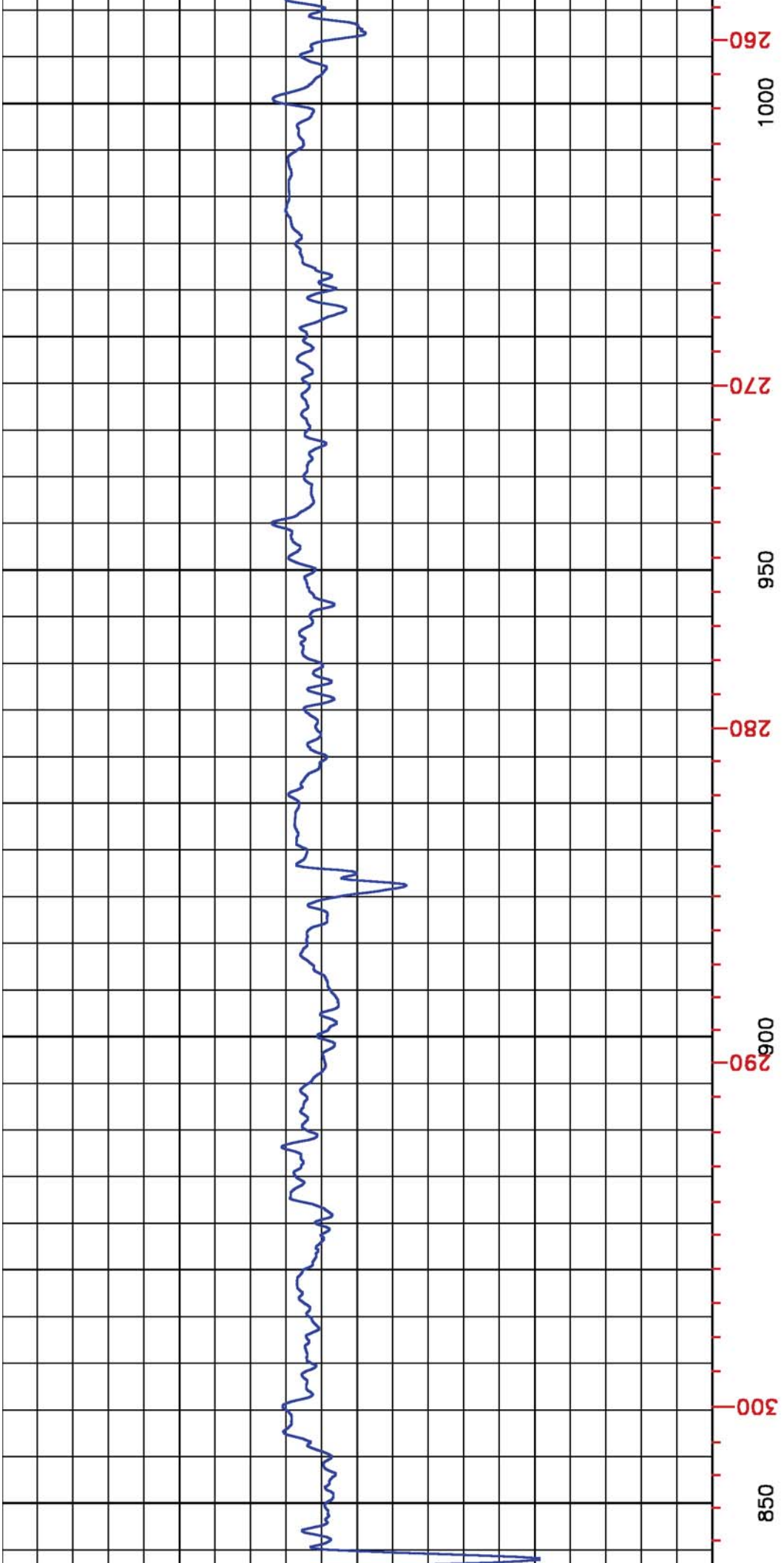
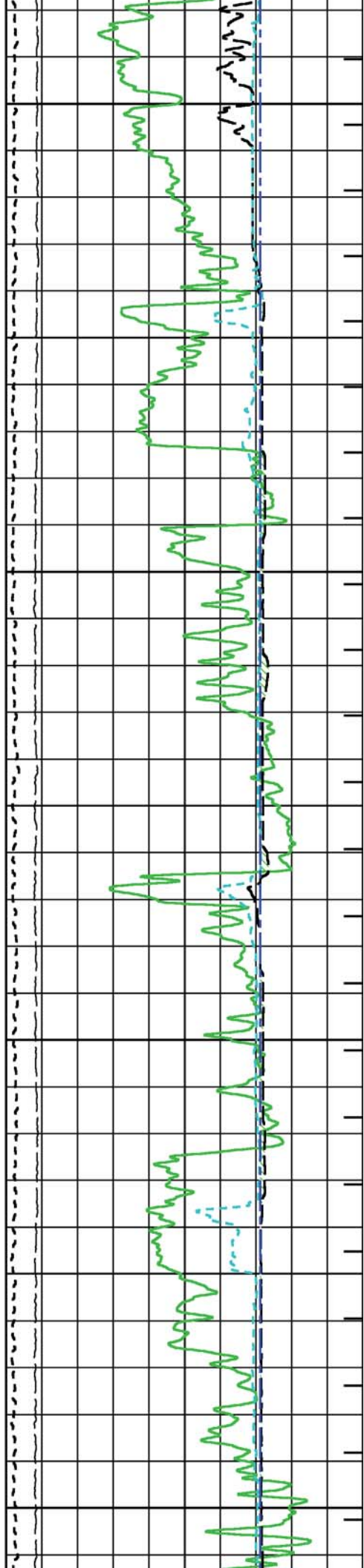
440
430
420
410

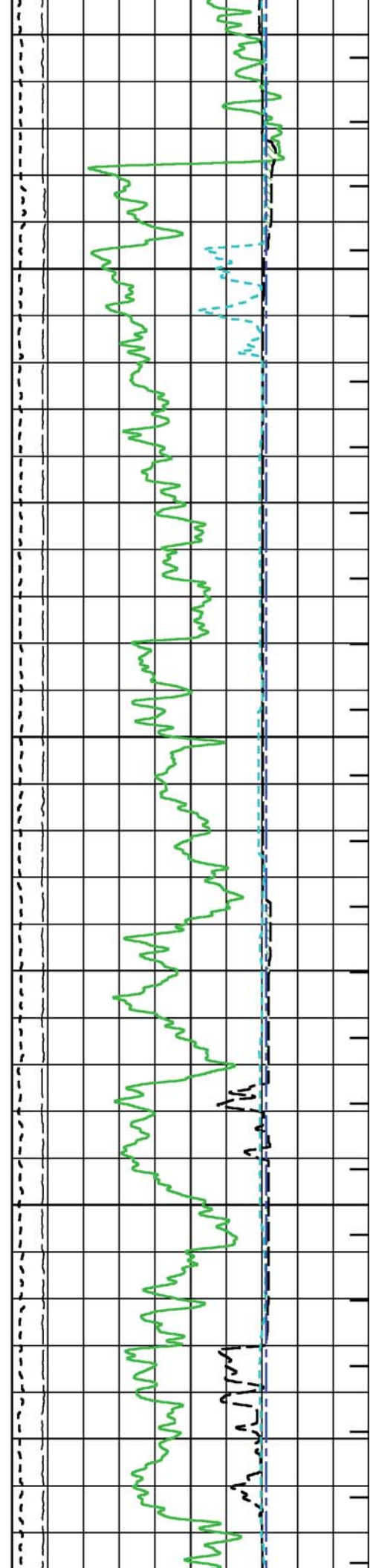
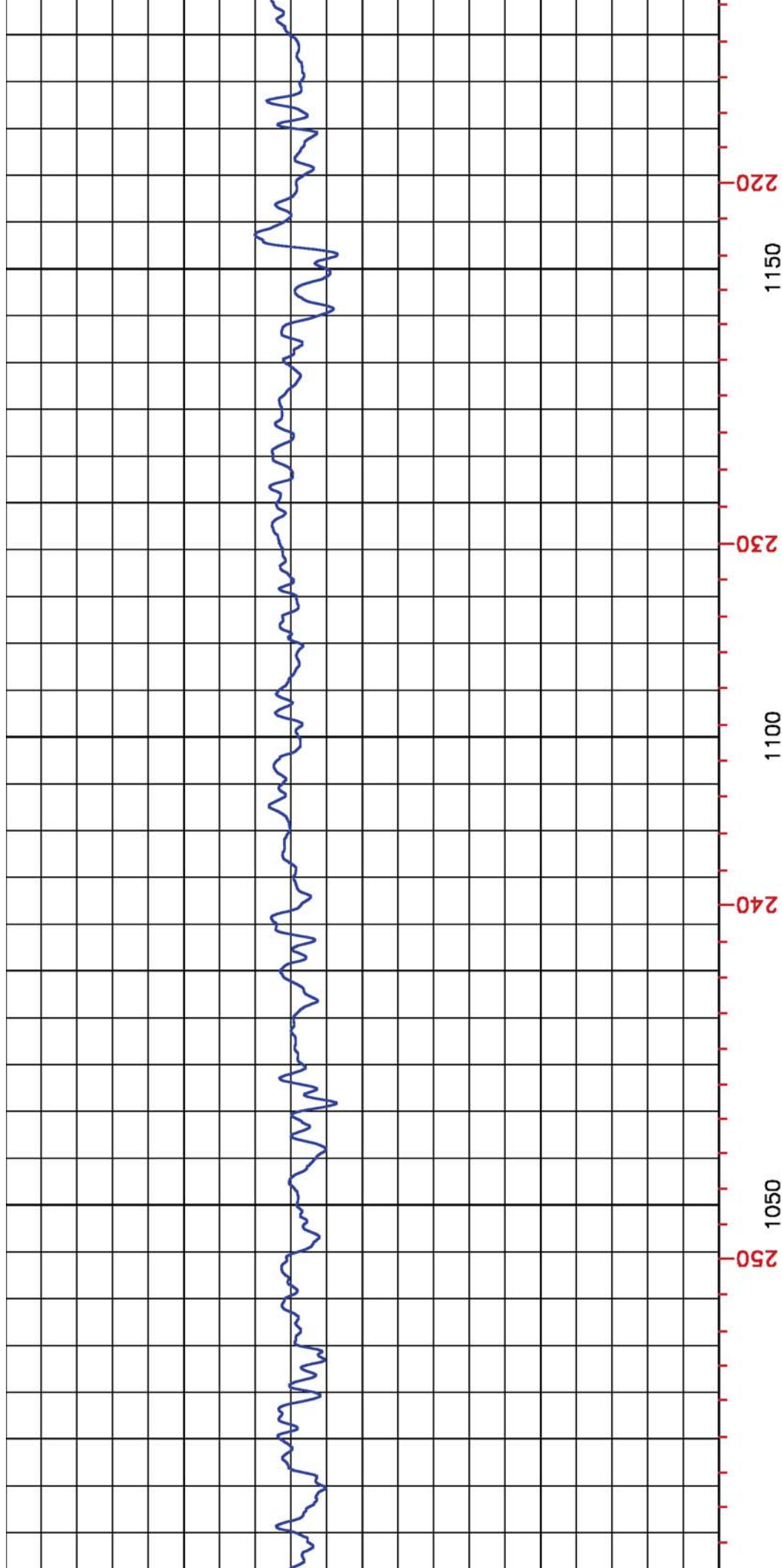
500

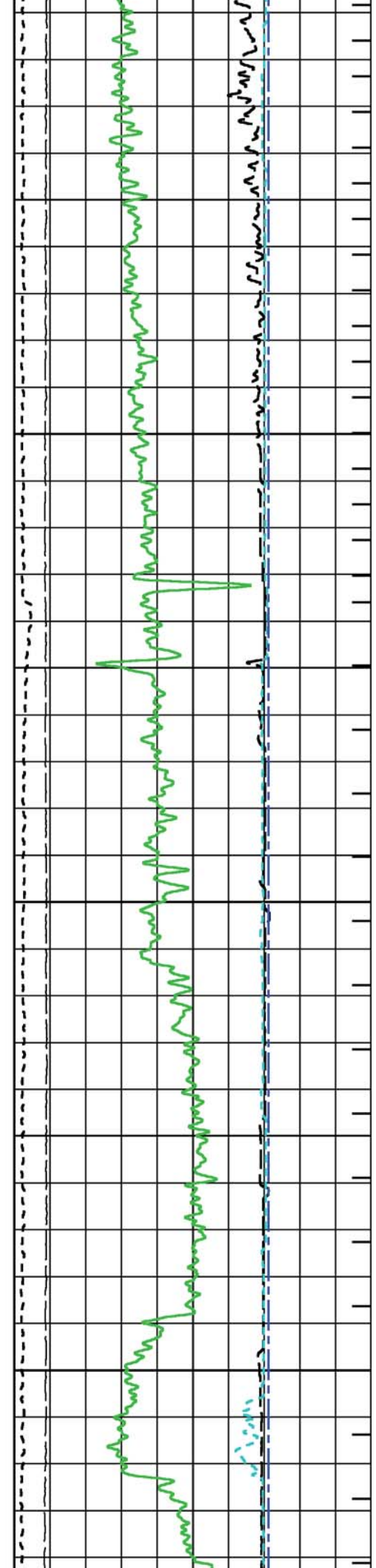
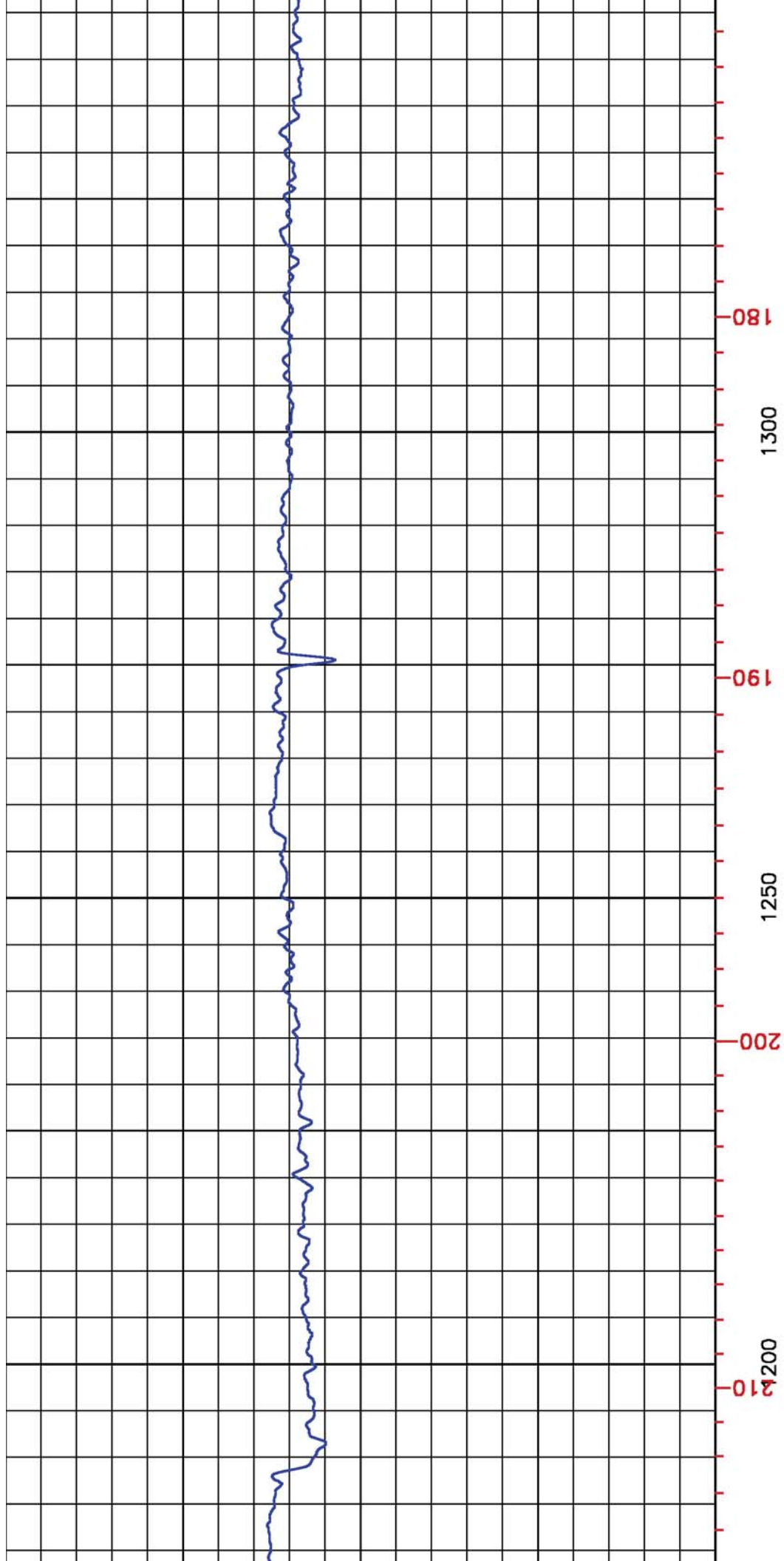


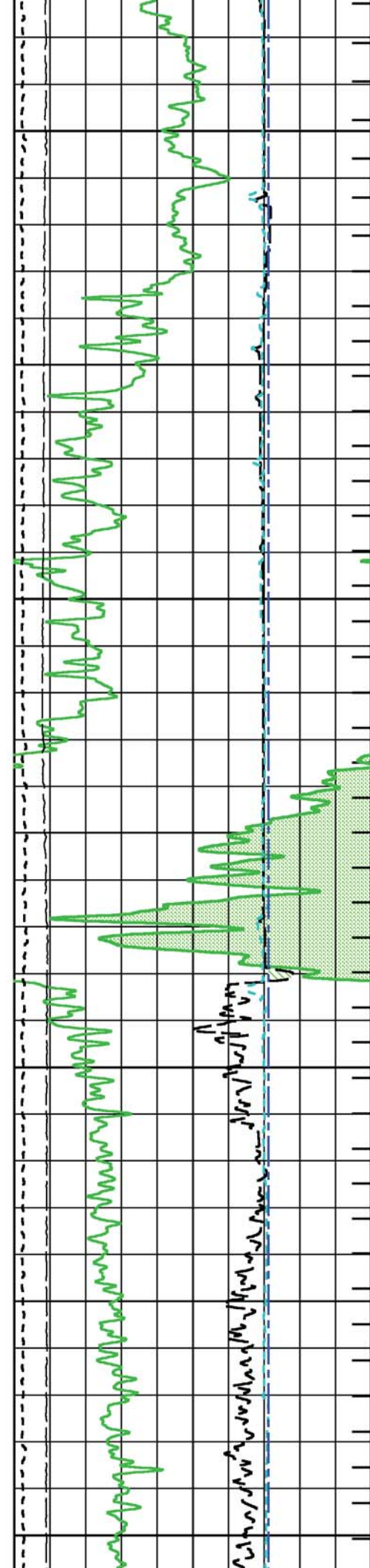
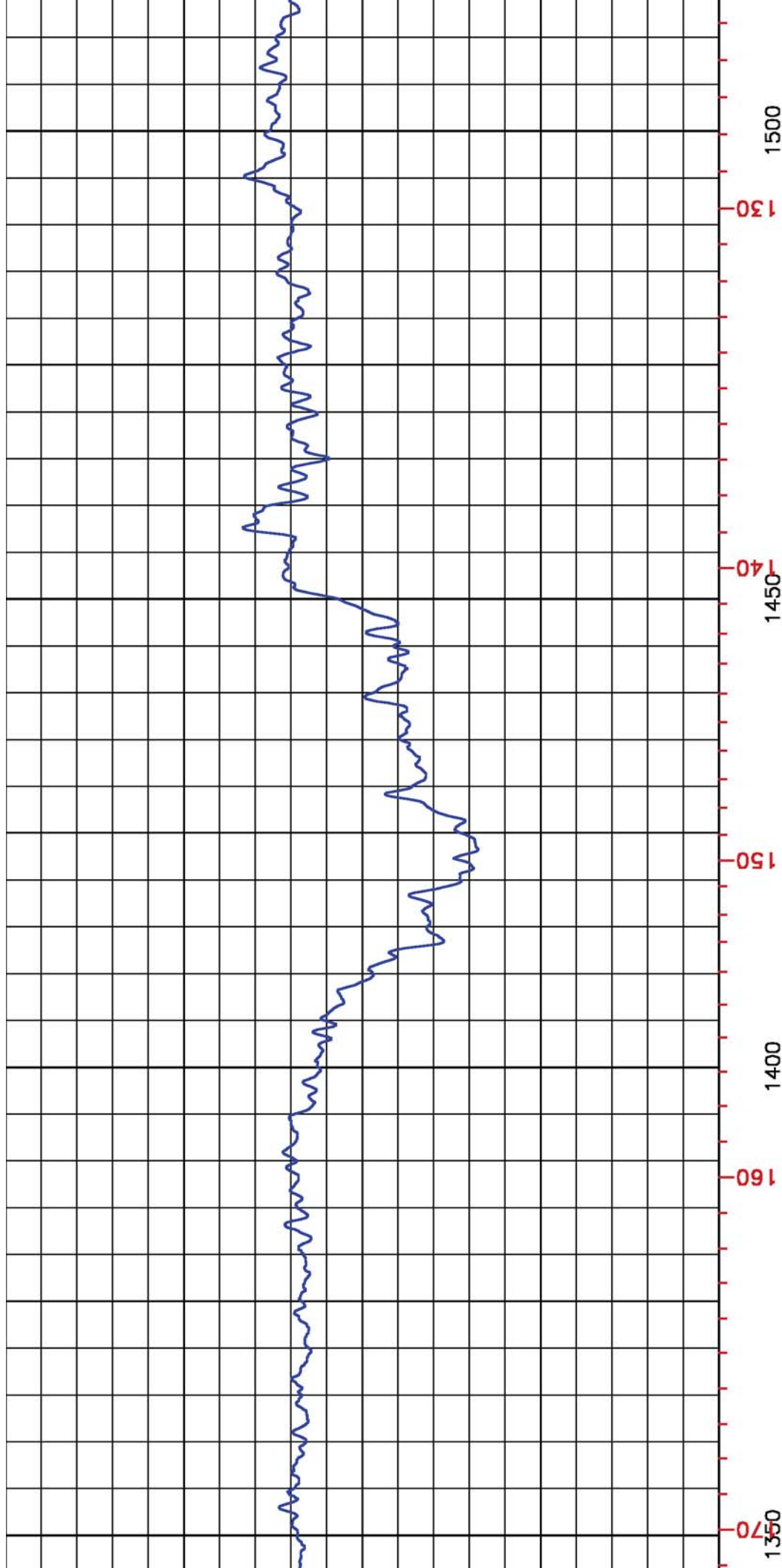


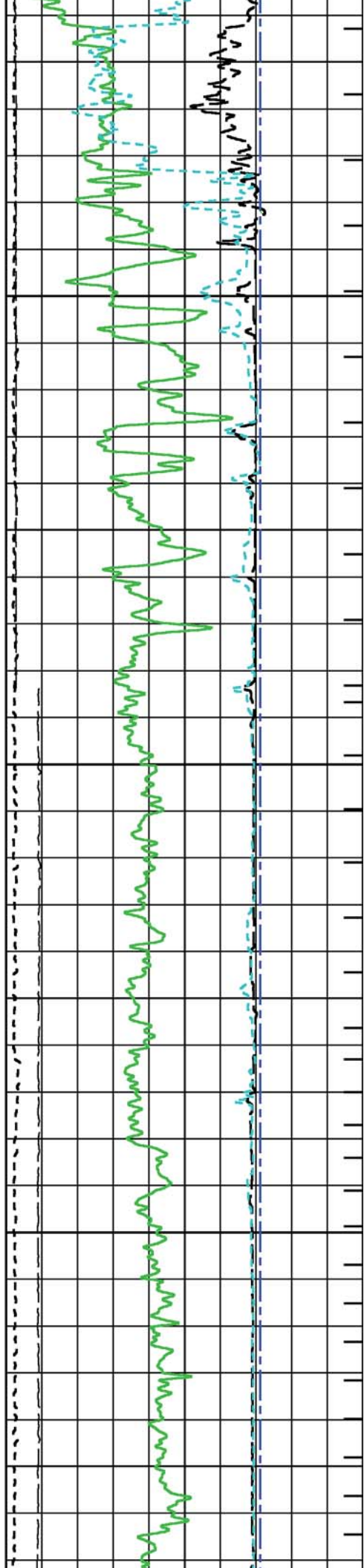
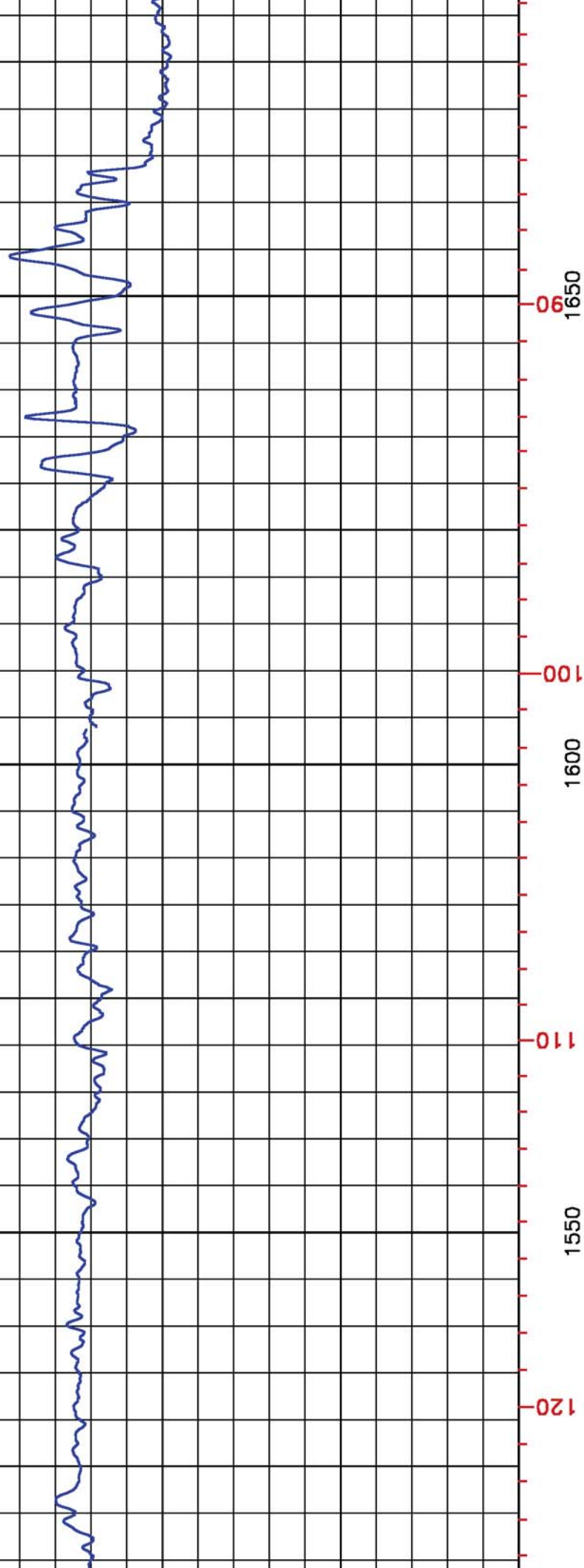


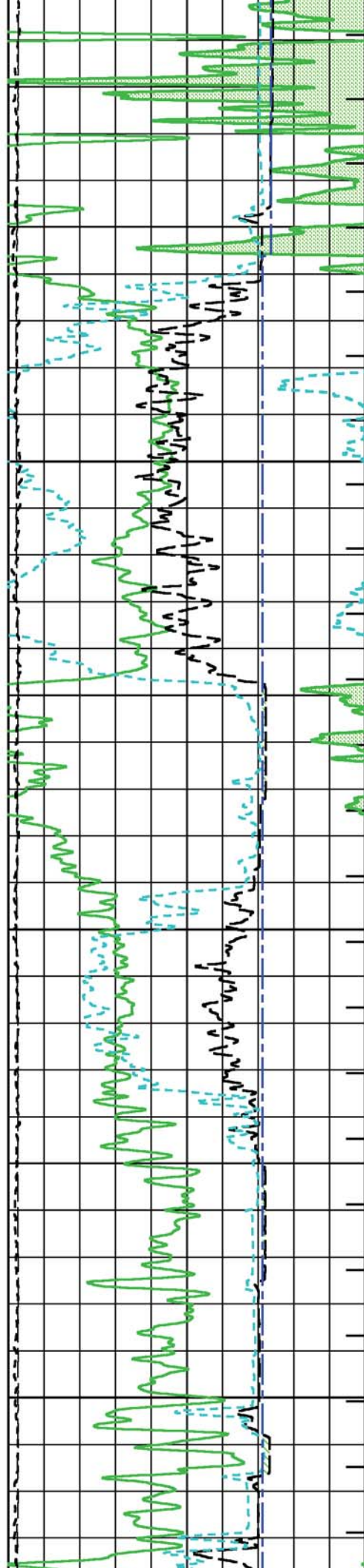
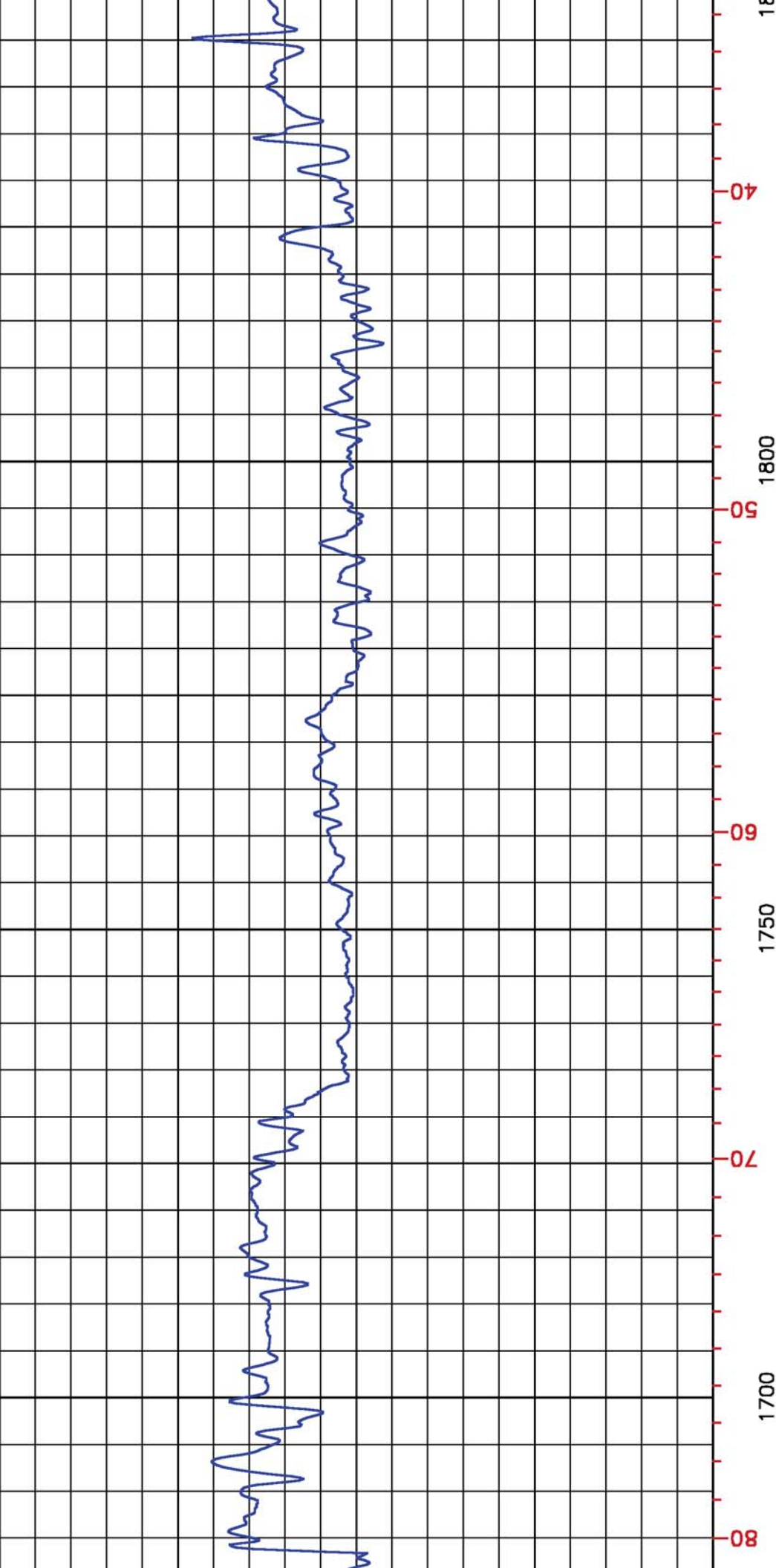


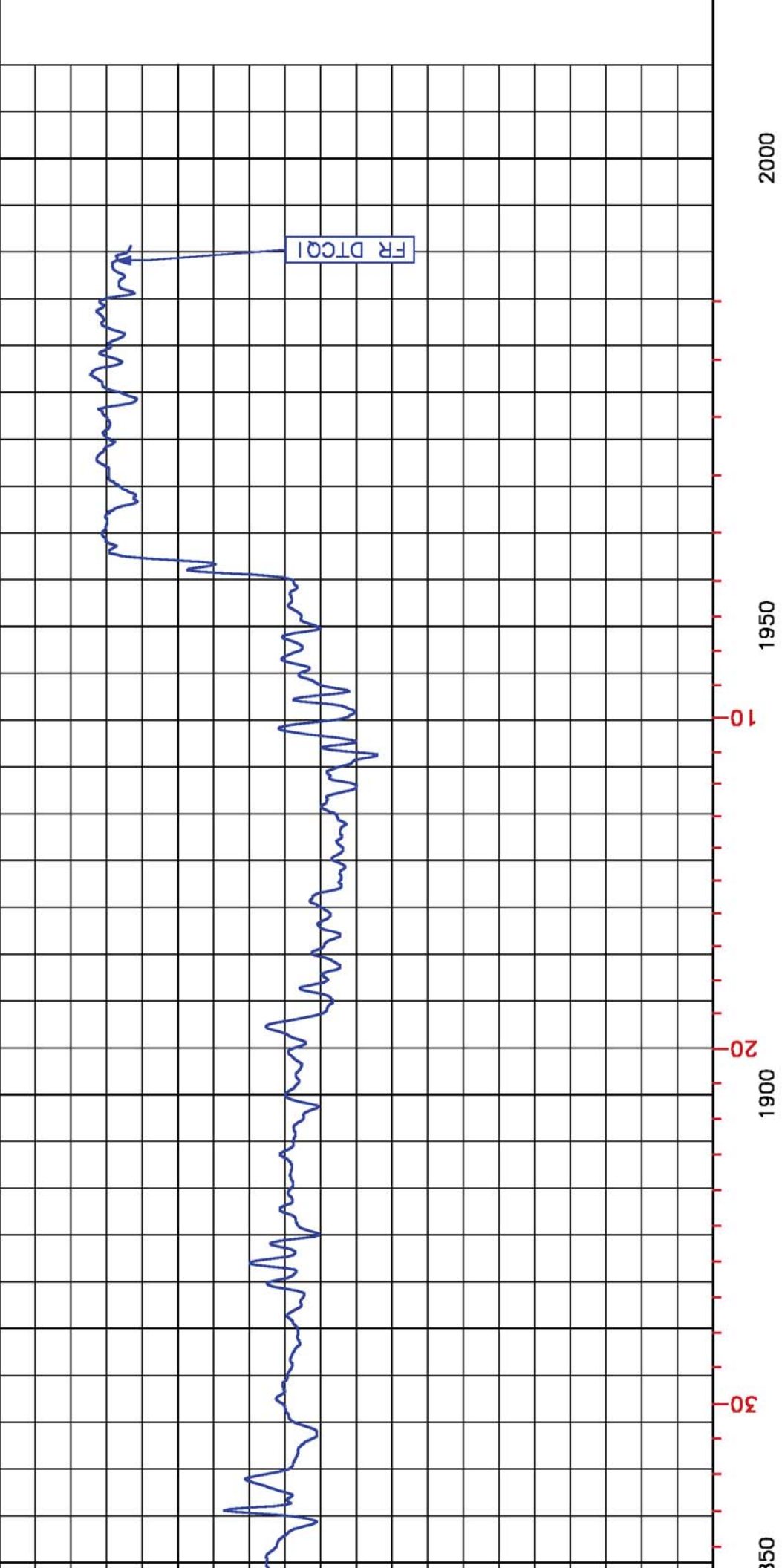
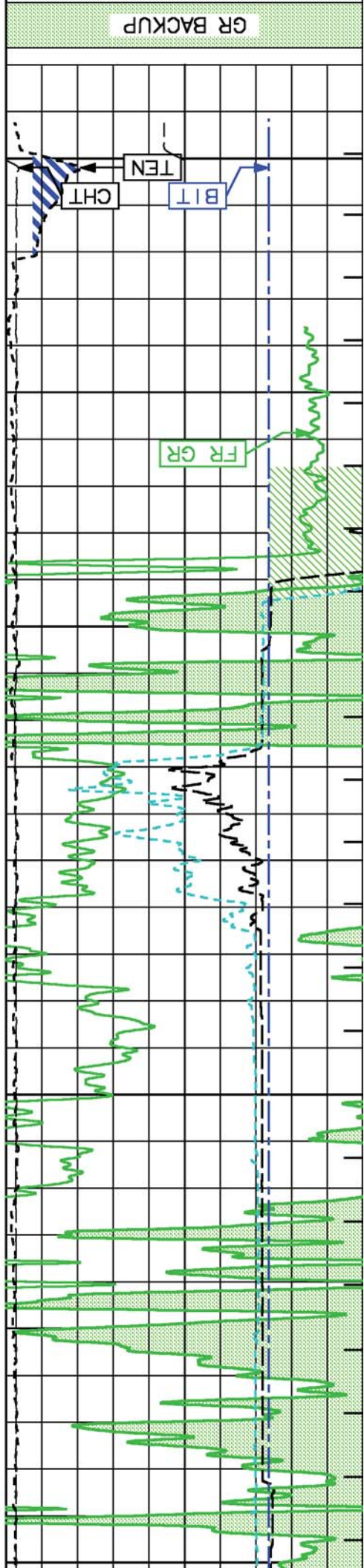


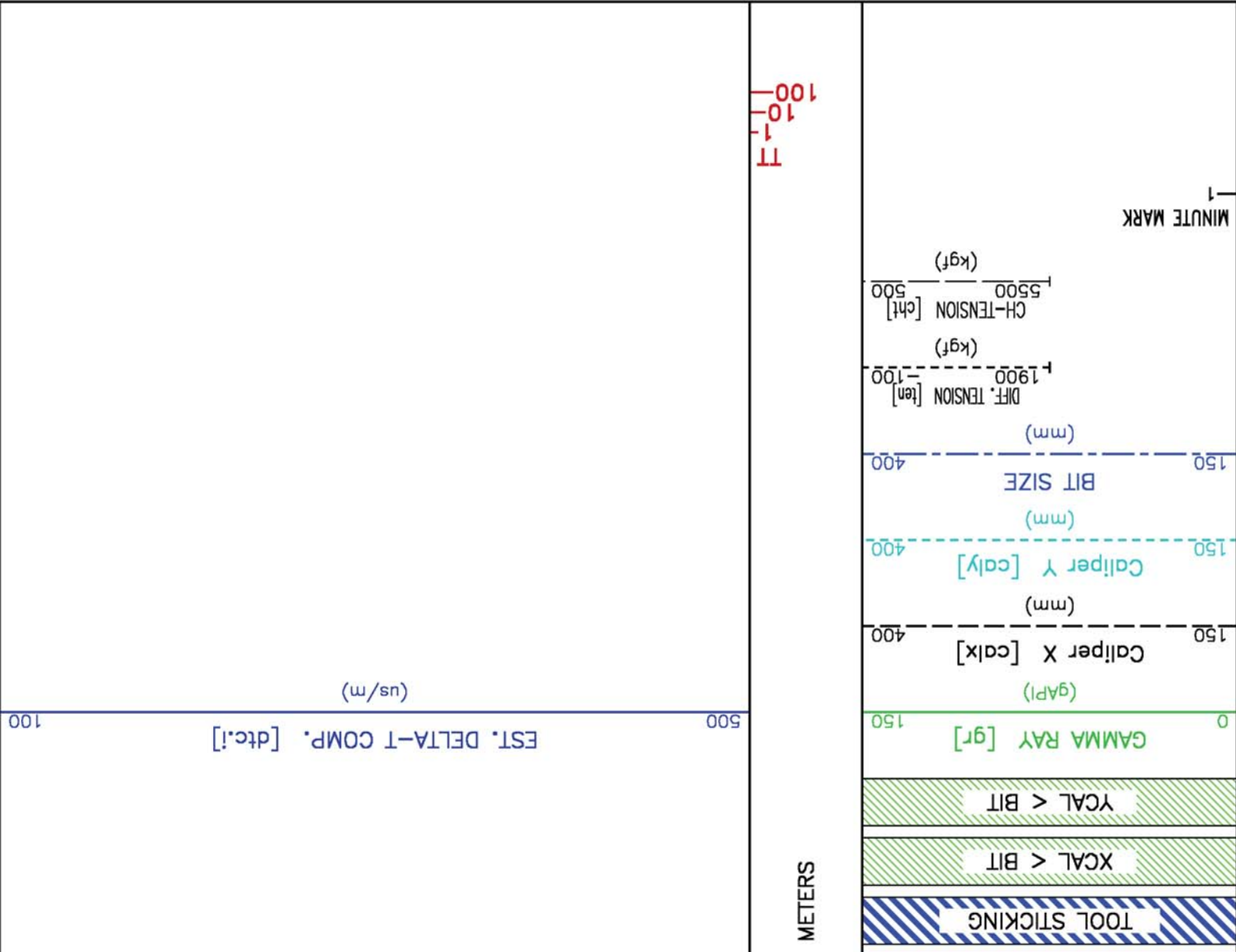












MAIN LOG

ECLIPS 6.1! Aug 06, 2010
Updates: 1,2 Patches: 3
Mon Feb 18 14:52:49 2013

Perpit / main/62
Cplot
Pdf_Cpp / main/16
Fileview 5.61

PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/MGM/run2_oh/m980e02.prm
LOGGING MODE: DEPTH
TOP DEPTH: 336.788 m
BOTTOM DEPTH: 1994.840 m
DIRECTION: DOWN

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
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CHT	FILTER ()	medium (1)	TOP	TOP
TENSION	FILTER ()	medium (1)	TOP	TOP
GR	FILTER ()	medium (1)	TOP	TOP
DT24	FILTER ()	light (2)	TOP	TOP

CN BOREHOLE CORRECTION	SALINITY	0	ppm	TOP	''
CN CASING & CEMENT CORRECTION	BOREHOLE CORRECTION	ON		''	''
	CORRECTION	OFF		''	''
	BIT SIZE BEHIND CSNG	311.000	mm	''	''

PARAMETER AND FILTER SUMMARY REPORT					
FILE: /data/MGM/run2_oh/m980e07.prm LOGGING MODE: DEPTH TOP DEPTH: 353.008 m BOTTOM DEPTH: 1968.772 m					

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
SYMMETRIC FILTER				
CHT	FILTER ()	medium (1)		TOP
TENSION	FILTER ()	medium (1)		''
GR	FILTER ()	medium (1)		''
DT24	FILTER ()	light (2)		''
CALIPER	FILTER ()	medium (1)		''
CN MED RES	FILTER ()	medium (1)		''

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
BOREHOLE & CEMENT				
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	177.800	mm	TOP
	CASING THICKNESS	0.000	mm	''
BIT SIZE	BIT SIZE	222.000	mm	TOP
		216.000	mm	1818.475
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		TOP
		222.000	mm	BOREHOLE
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	222.000	mm	TOP
		216.000	mm	1420.901
X-Y COMBINED CALIPER PROCESSING-FOCMY CALIPER - FOCUS	Average			TOP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC POROSITY				
DELTA T CURVE SELECTION	DT24 SOURCE	AVAN DT24		TOP
				BOREHOLE

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC AVAN CORRELATION				

MONOPOLE DELTA T	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		''
	RESET TAPERS			''
	TAPER - LEFT END	90	us/m	''
	TAPER - RIGHT END	350	us/m	''
	FLOOR (UNIV. OPTION)	0.050		''
MONOPOLE COMPRESSIONAL	FORMATION TYPE	GENERIC (MEDIUM)		''
	CORRELATION METHOD	NTH ROOT		''
	RESET TAPERS			''
	TAPER - LEFT END	150	us/m	TOP
	TAPER - RIGHT END	450	us/m	1422.044
		350	us/m	TOP
		450	us/m	383.667
		350	us/m	384.429
		450	us/m	384.429
		500	us/m	1320.127
		450	us/m	1320.127
		350	us/m	1915.290
		450	us/m	1421.625
		350	us/m	1915.290
		450	us/m	1421.625
		0.050		TOP
				BOREHOLE

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC WAVEFORM FILTER				
MONOPOLE DELTA T	SURFACE WAVE FILTER	ON		TOP
	LOW FREQ CUTOFF	4000	Hz	''
	HIGH FREQ CUTOFF	20000	Hz	''
WAVEFORM FILTER - FULLWAVE	SURFACE WAVE FILTER	ON		''
	LOW FREQ CUTOFF	7000	Hz	''
	HIGH FREQ CUTOFF	22000	Hz	''
				BOREHOLE

GENERAL TCC PARAMETERS	AGC	ON		TOP
	SUBSAMPLE LENGTH	50		BOREHOLE

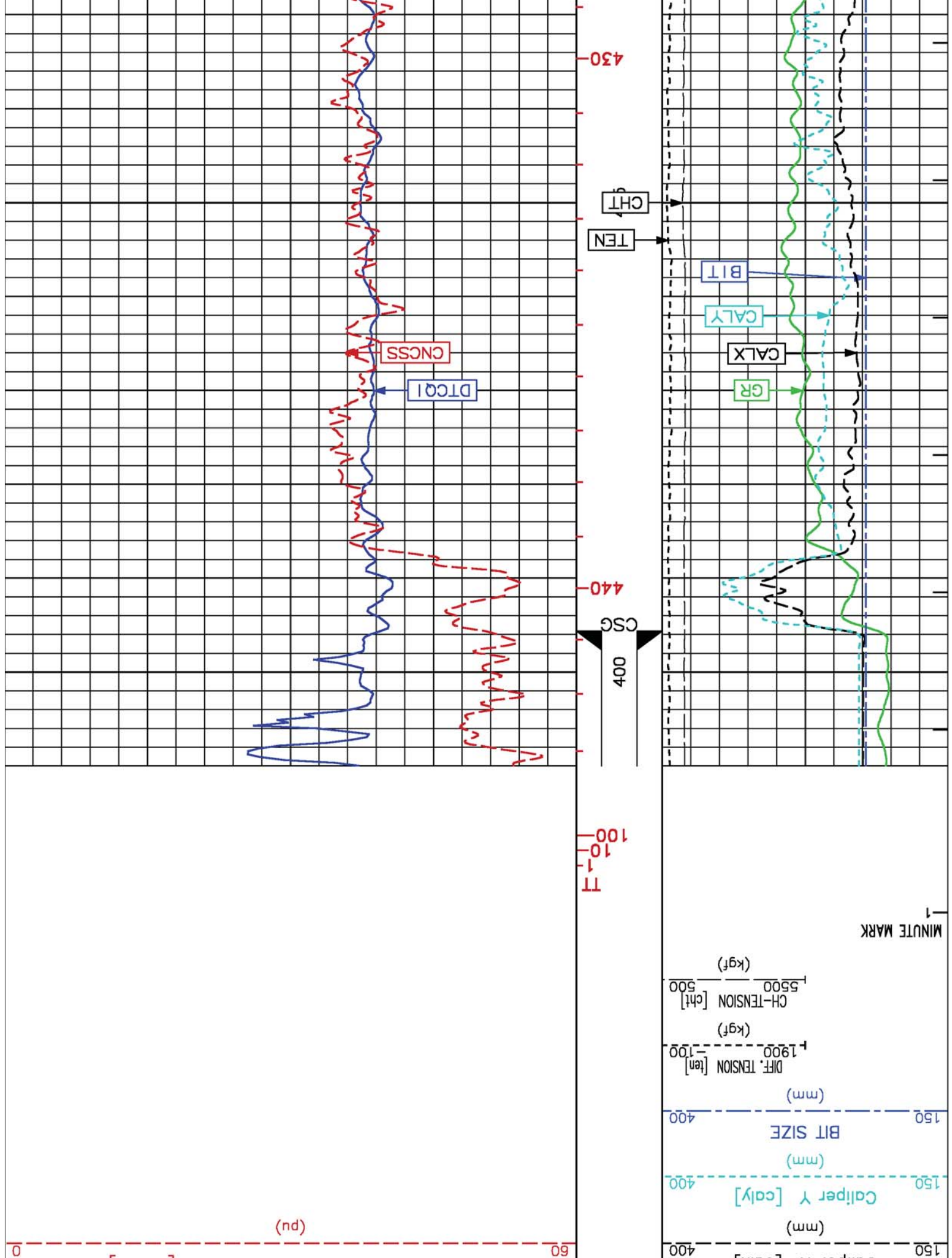
METERS		GR BACKUP
		TOOL STICKING
		XCAL < BIT
		YCAL < BIT
	GAMMA RAY [gr] (gAPI)	0
	Caliper X [calx]	150
500	EST. DELTA-T COMP. [dtc.i]	100
	(us/m)	
NEUTRON SANDSTONE POROSITY [cnss]		

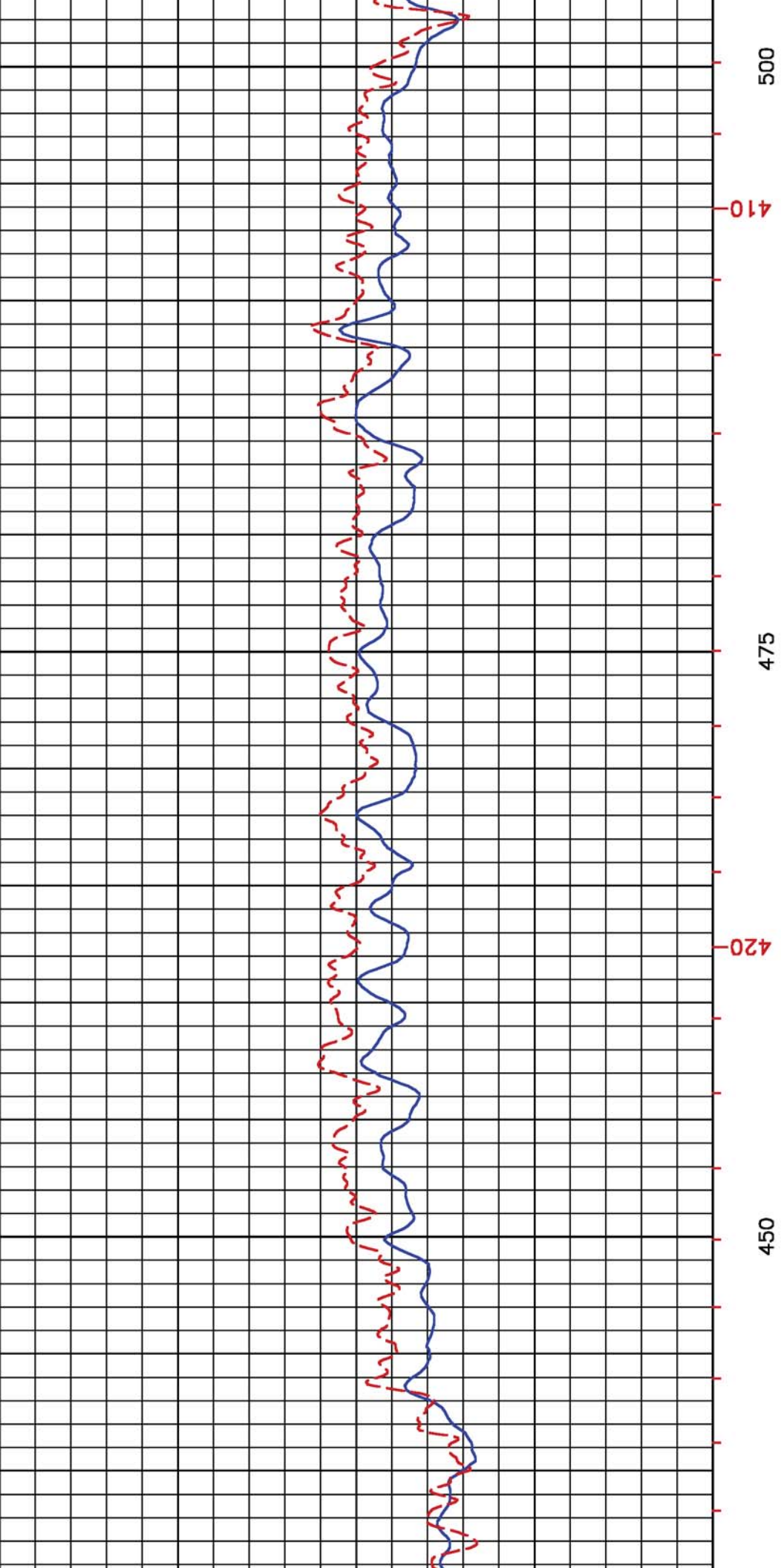
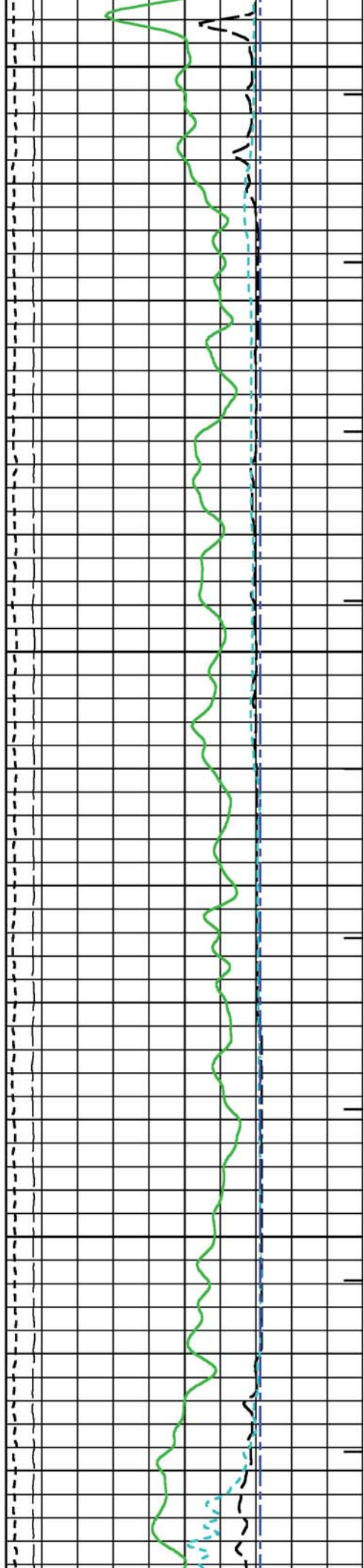
Plot Interval	: sysa:/dat1q/MGM/run2_oh/mac_mah100-500.pdf [1:240 Scale]
Data File 1	: f1 : sysa:/dat1q/MGM/run2_oh/222_mah.xtf
Created On	: Feb 16 07:26:57 2013
Company	: MGM ENERGY CORP
Well	: MGM SHELL EAST MACKAY I-78
Field	: EAST MACKAY
File Interval	: : 318.973 - 2005.13 Meters
Oct	: m980e

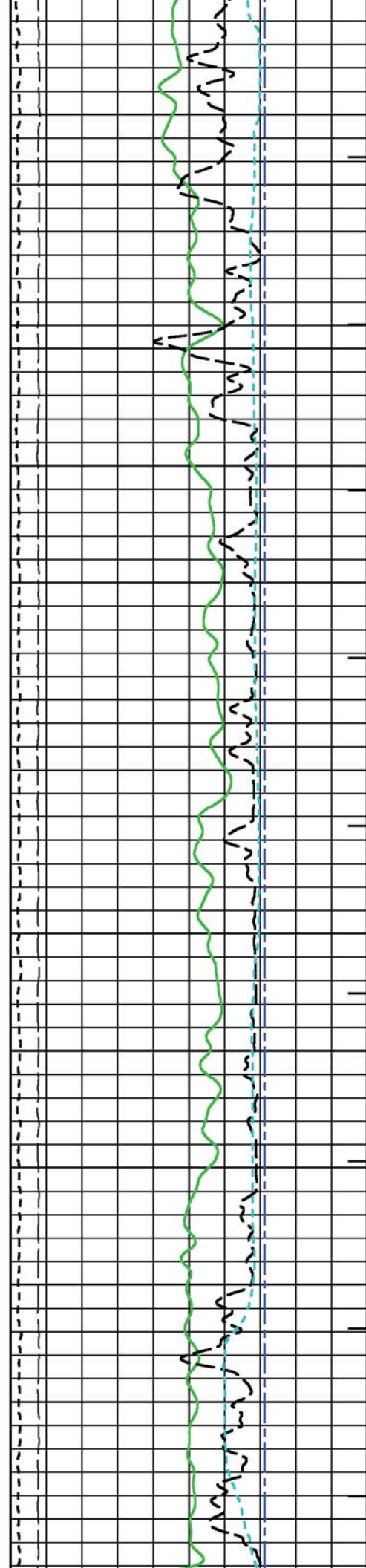
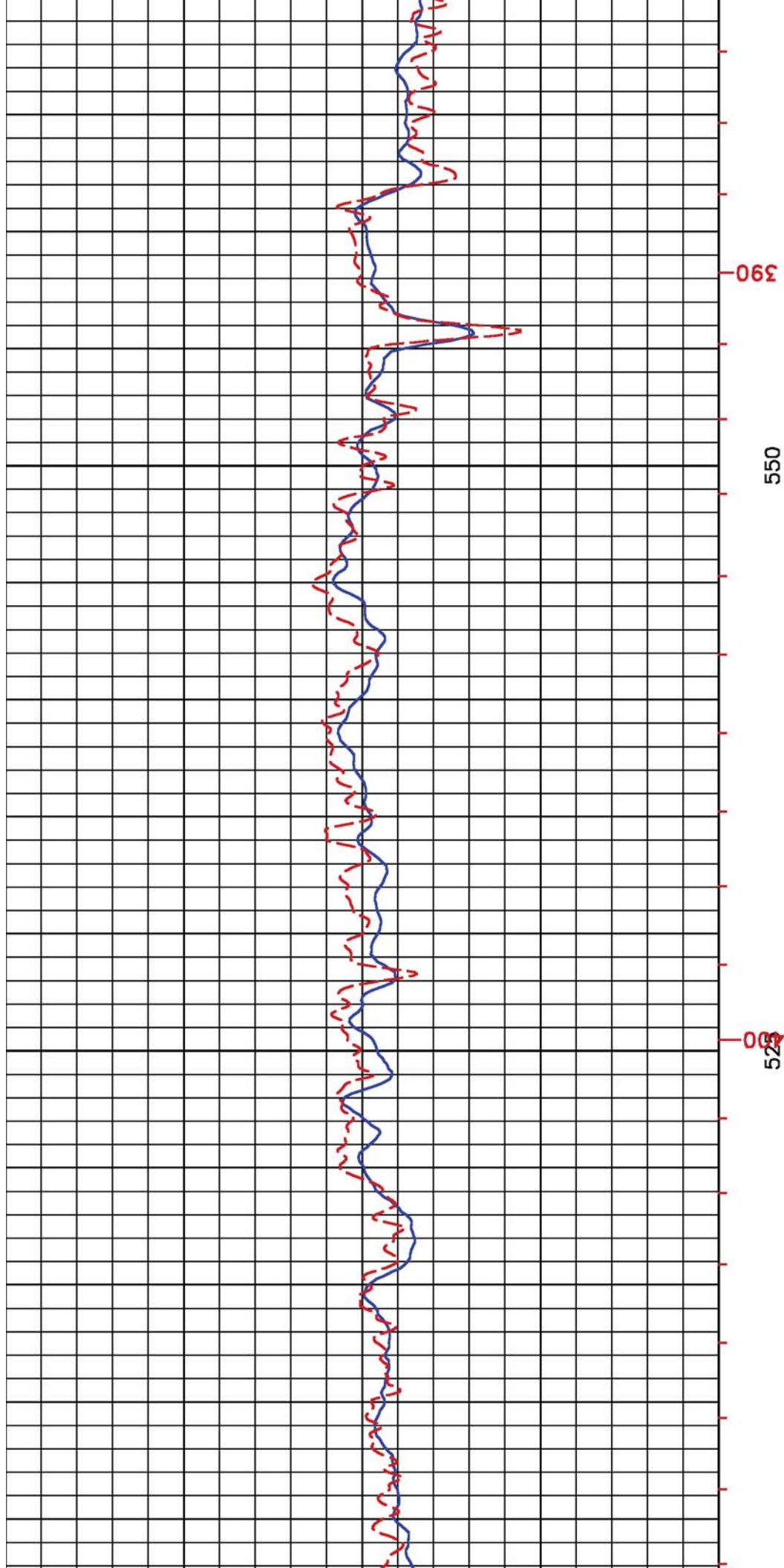
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CALY	5.49	CNCSS	12.50	GR	33.76
CALX	9.64	CHT	0.00	DTCQ1	25.30	TEN	0.00

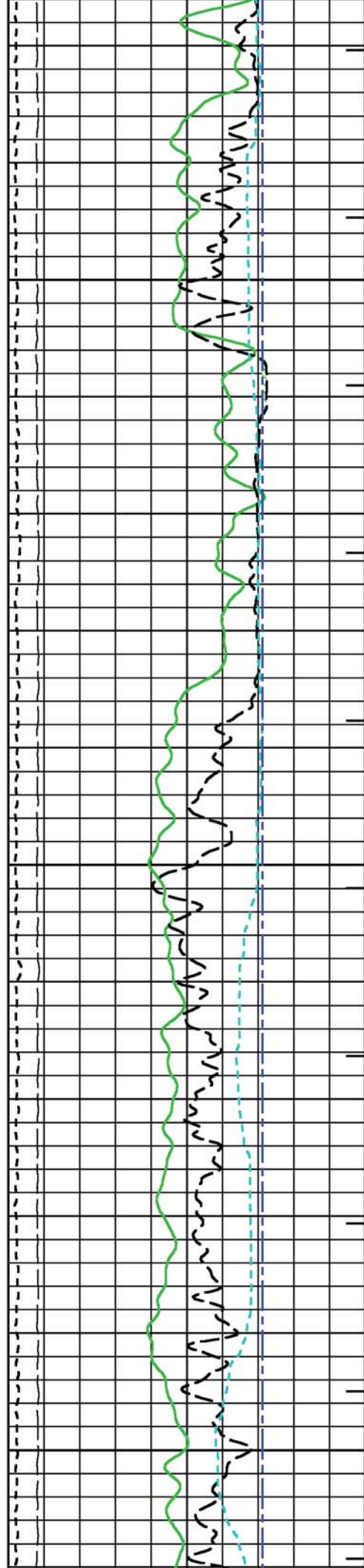
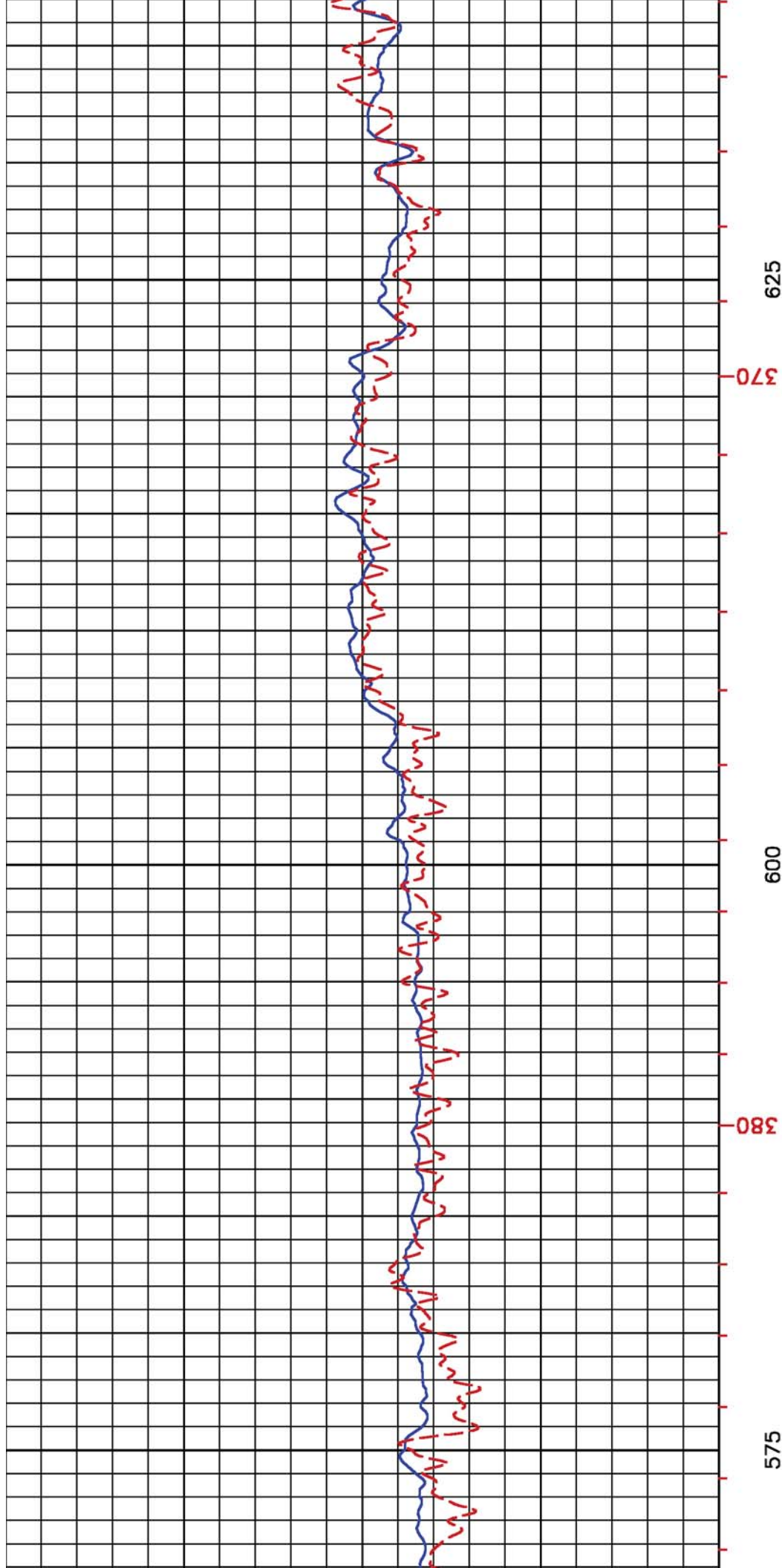
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BIT	Feb 16 07:26:57 2013	BIT SIZE
F1:CALX	Feb 16 07:26:57 2013	CALIPER FROM X-AXIS OF XY CALIPER(S)
F1:CALY	Feb 16 07:26:57 2013	CALIPER FROM Y-AXIS OF XY CALIPER(S)
F1:CHT	Feb 16 07:26:57 2013	CABLE HEAD TENSION
F1:CNCSS	Feb 16 07:26:57 2013	BOREHOLE SIZE CORRECTED SANDSTONE COMPENSATED NEU POROSITY
F1:DTCQ1	Feb 16 07:26:57 2013	COMPRESSIONAL WAVE SLOWNESS
F1:GR	Feb 16 07:26:57 2013	GAMMA RAY
F1:MMRK	Feb 16 07:26:57 2013	MINUTE MARK
F1:TEN	Feb 16 07:26:57 2013	DIFFERENTIAL TENSION
F1:TTO1	Feb 16 07:26:57 2013	INTEGRATED TRAVELTIME FROM ACOUSTIC SLOWNESS

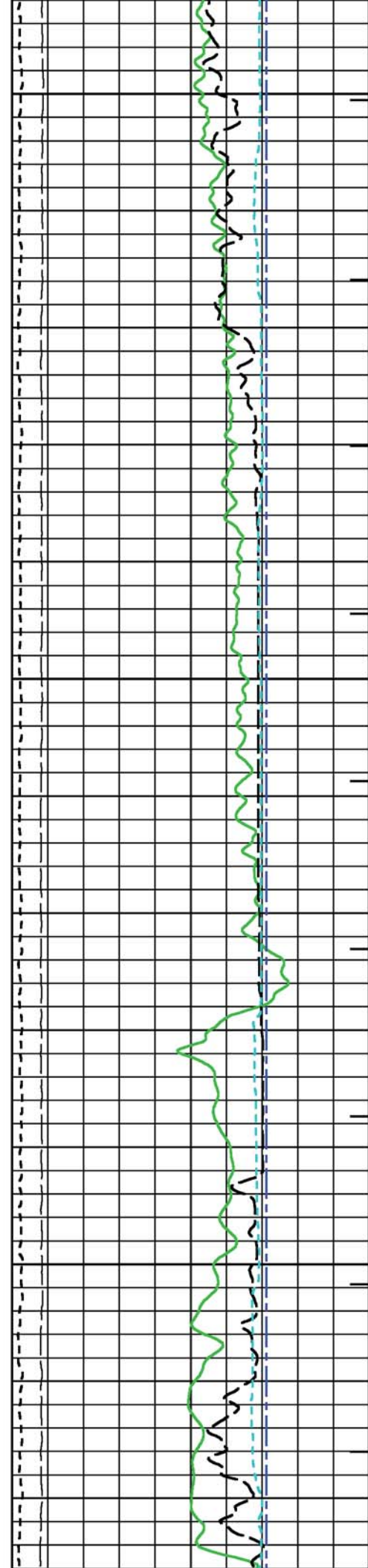
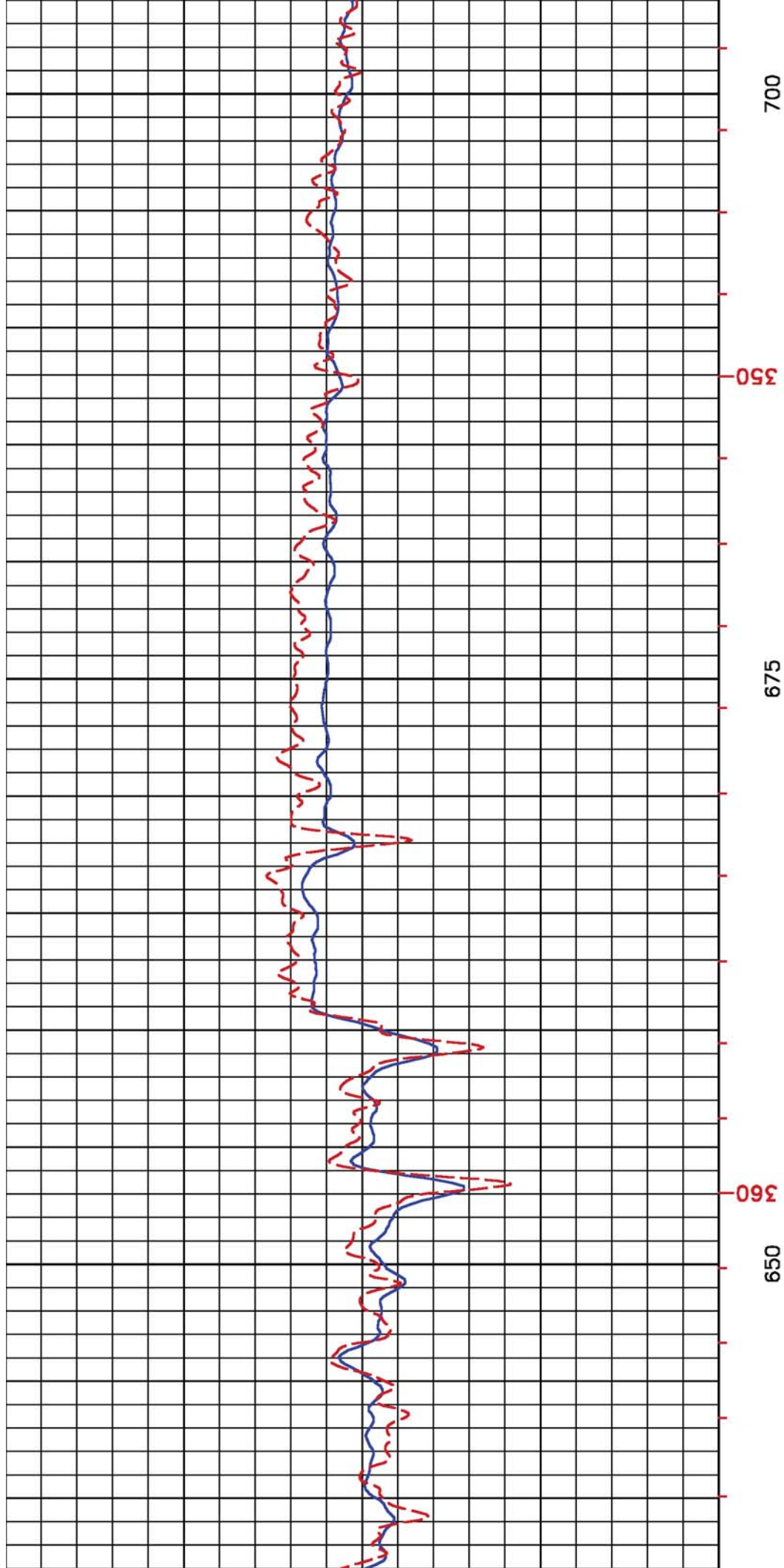
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
CN PROCESSING				
CN BOREHOLE CORRECTION	SALINITY	0	ppm	TOP
CN CASING & CEMENT CORRECTION	BOREHOLE CORRECTION	ON		TOP
	CORRECTION	OFF		TOP
	BIT SIZE BEHIND CSNG	311.000	mm	TOP
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACCELERATION PROCESSING				
ACCEL CORR SWITCH	ACCEL DEPTH CORR	CORRECTION OFF		TOP
				BOTTOM
GENERAL MONOPOLE TCC PARAMETERS	SUBSET	1		TOP
	STACK LEVEL	2		TOP
	DSP FILTER	ON		TOP
DELTA T TCC PARAMETERS	ACG WINDOW	1664	us	TOP
	MOVEOUT	16	us/ft	TOP
	SAMPLE PERIOD	16		TOP
	RX DELAY	240	us	TOP
FULL WAVE MONOPOLE TCC PARAMETERS	ACG WINDOW	8064	us	TOP
	SAMPLE PERIOD	24		TOP
	RX DELAY	0	us	TOP

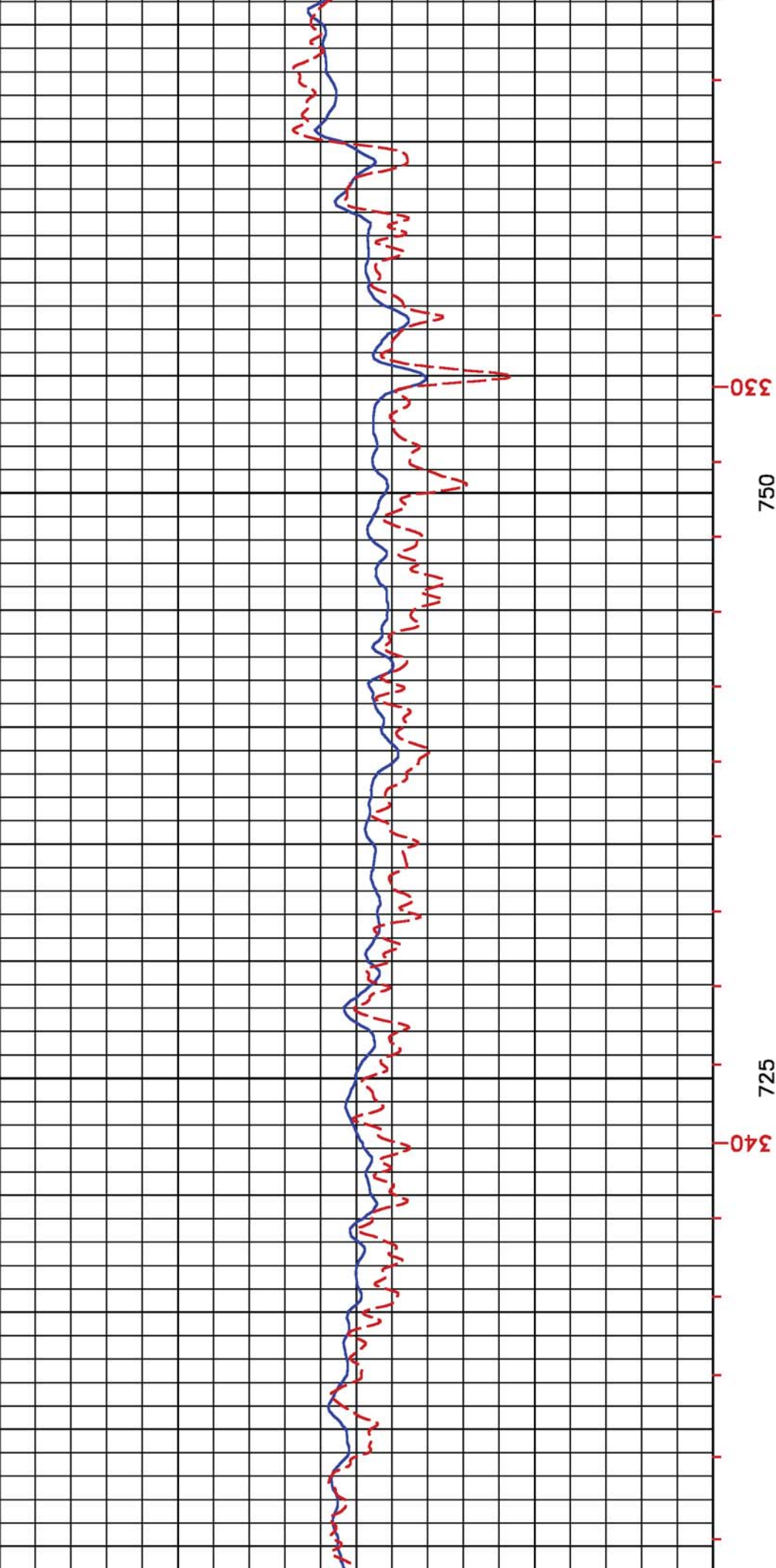
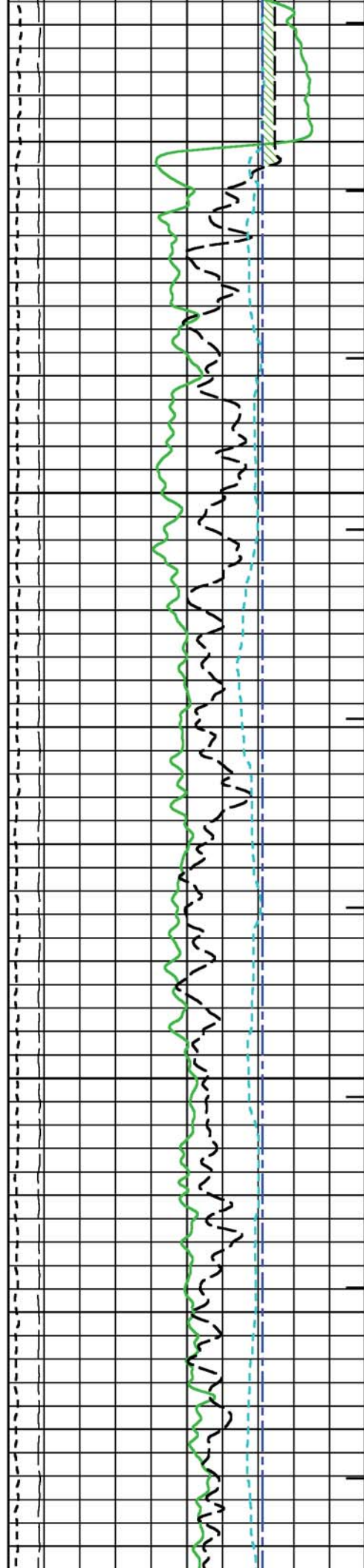


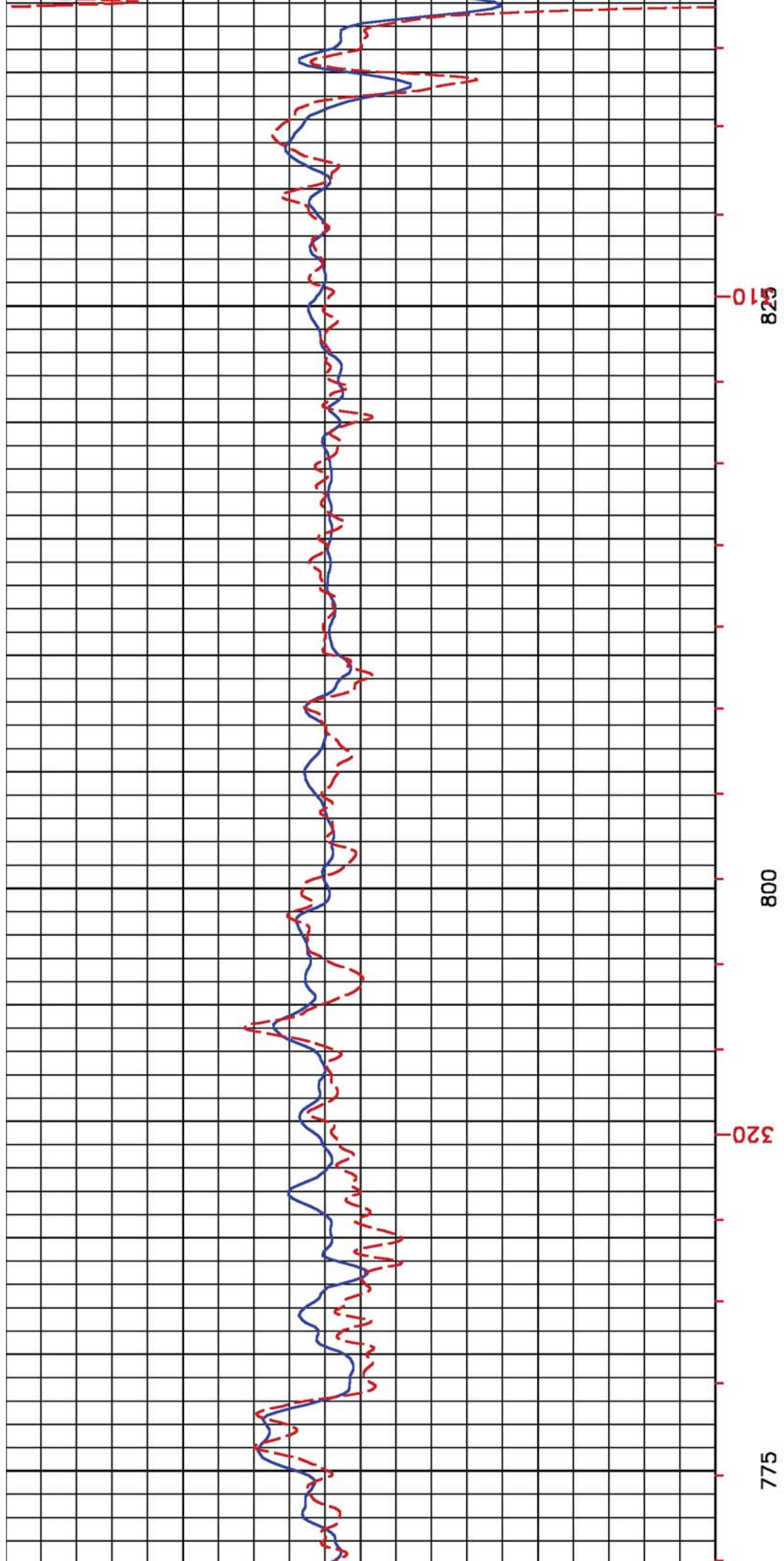
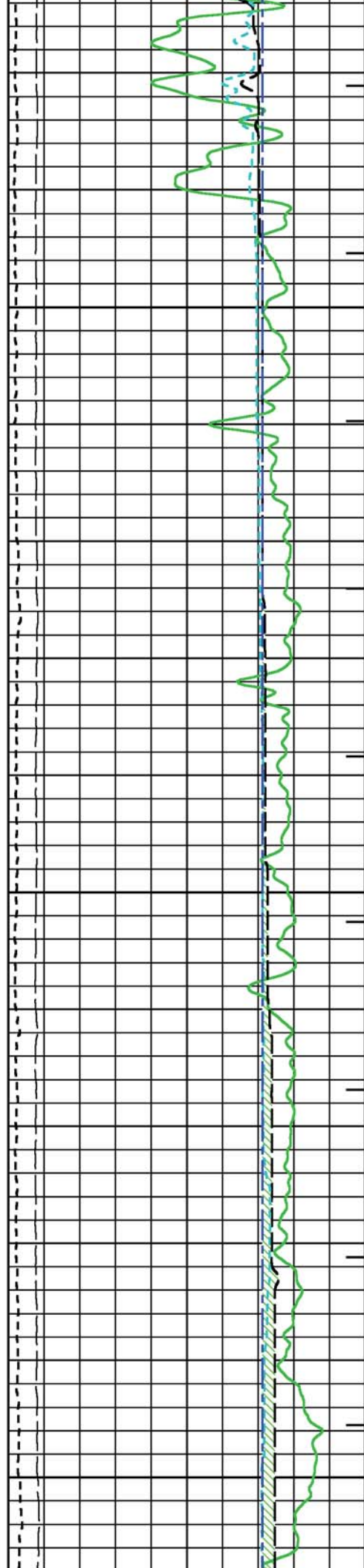


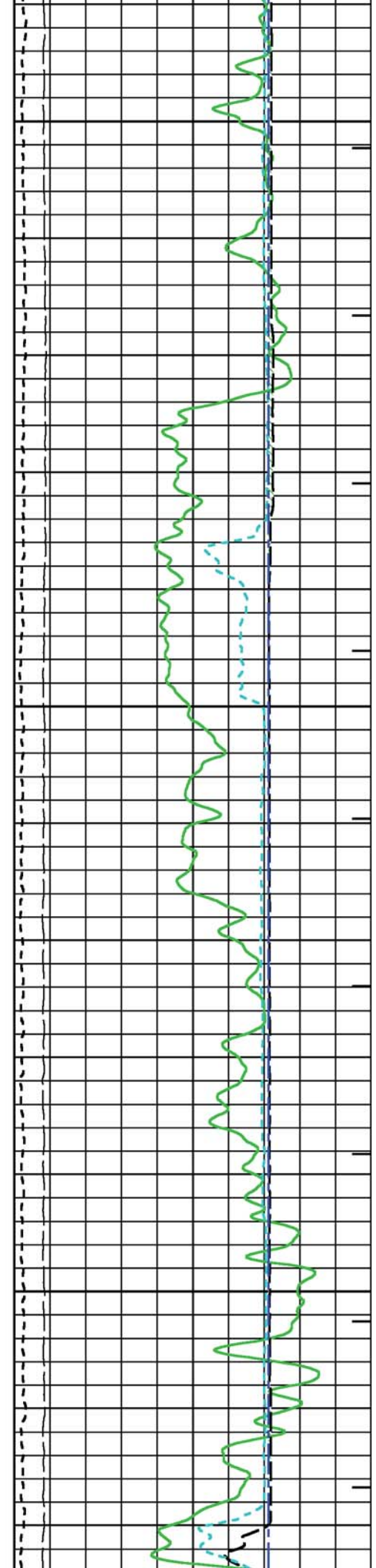
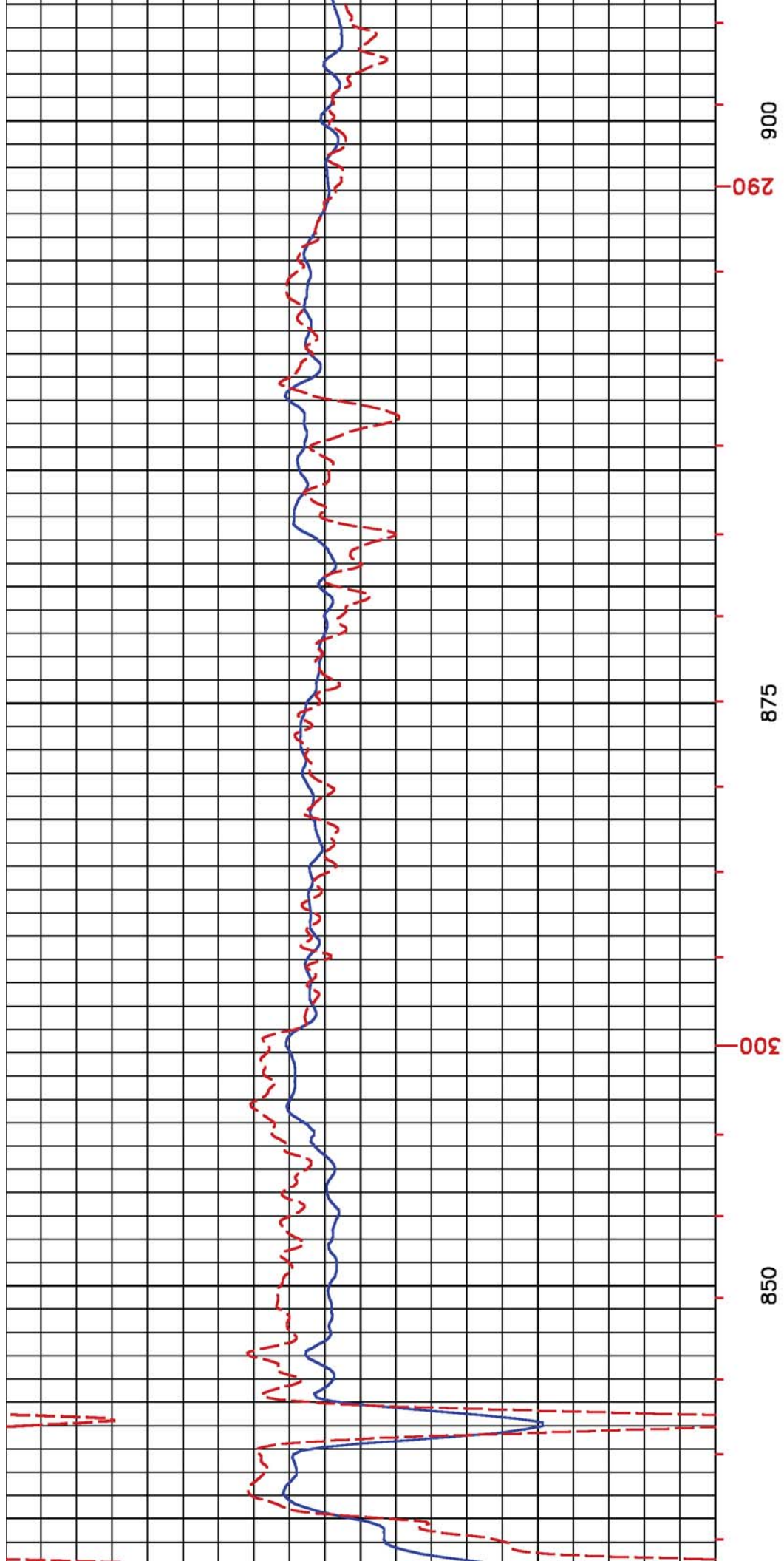


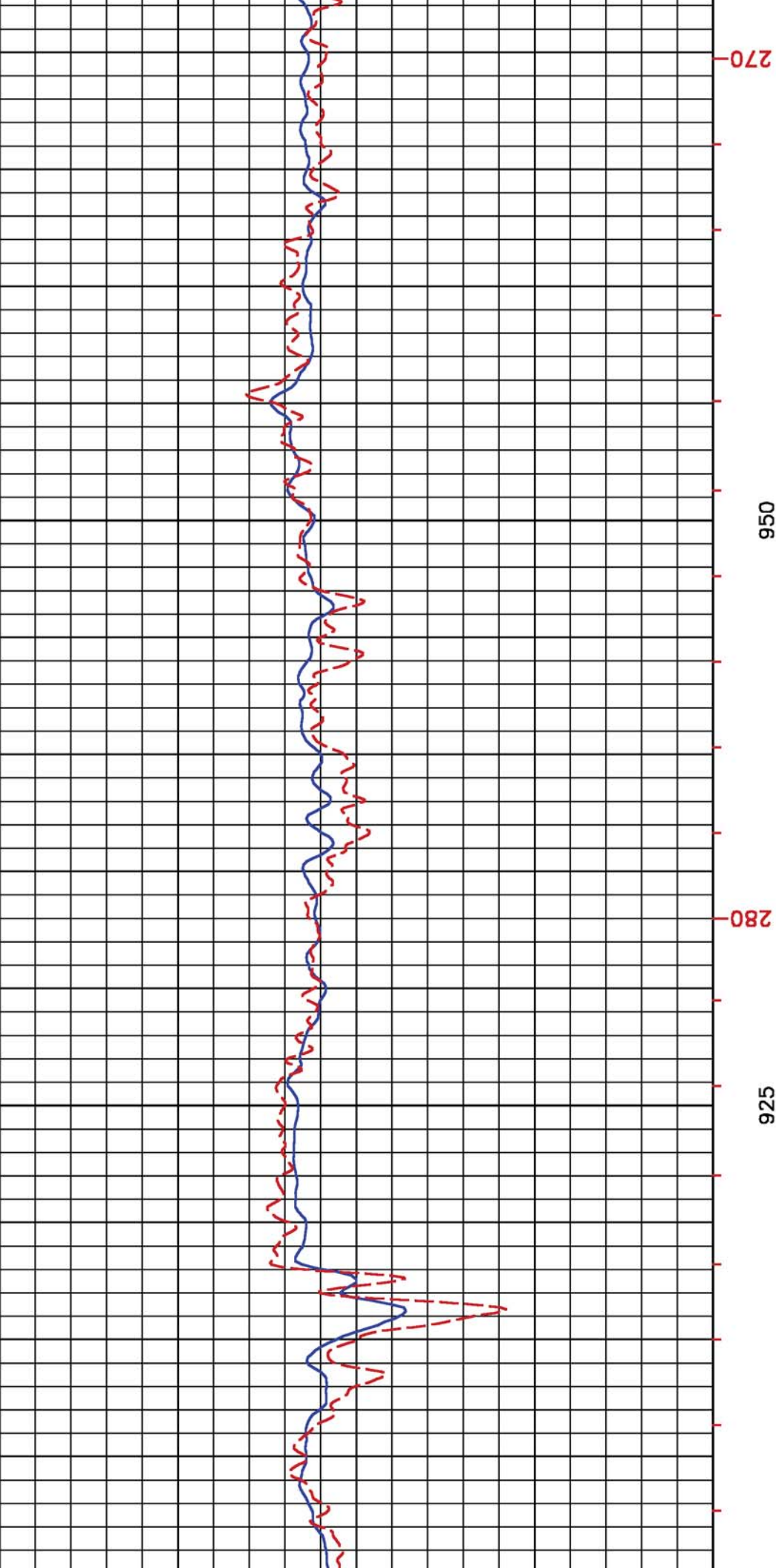
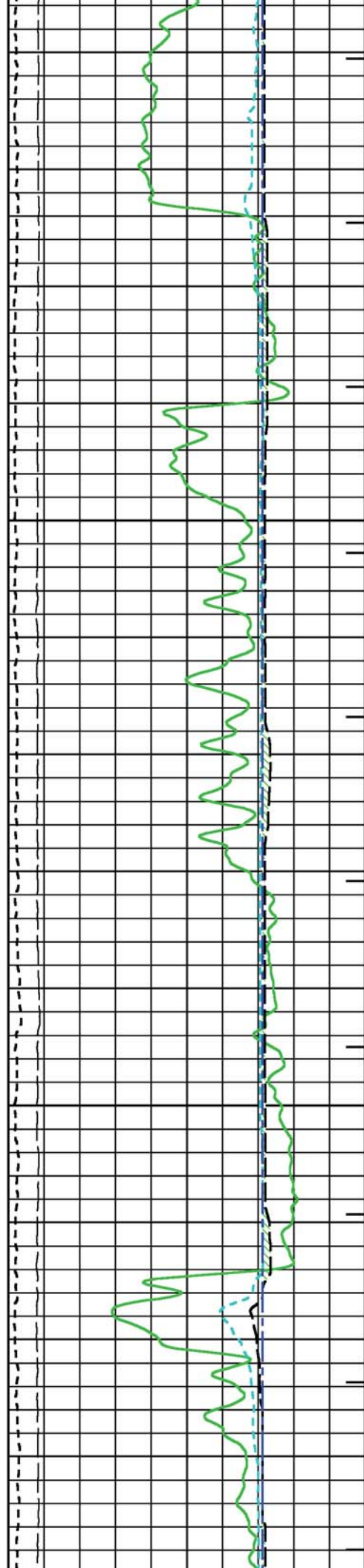


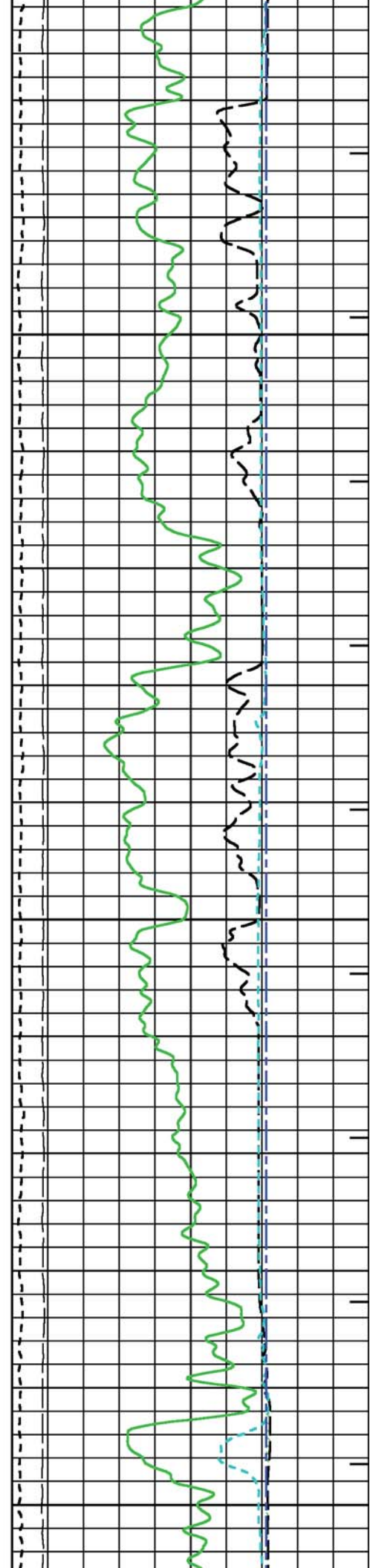
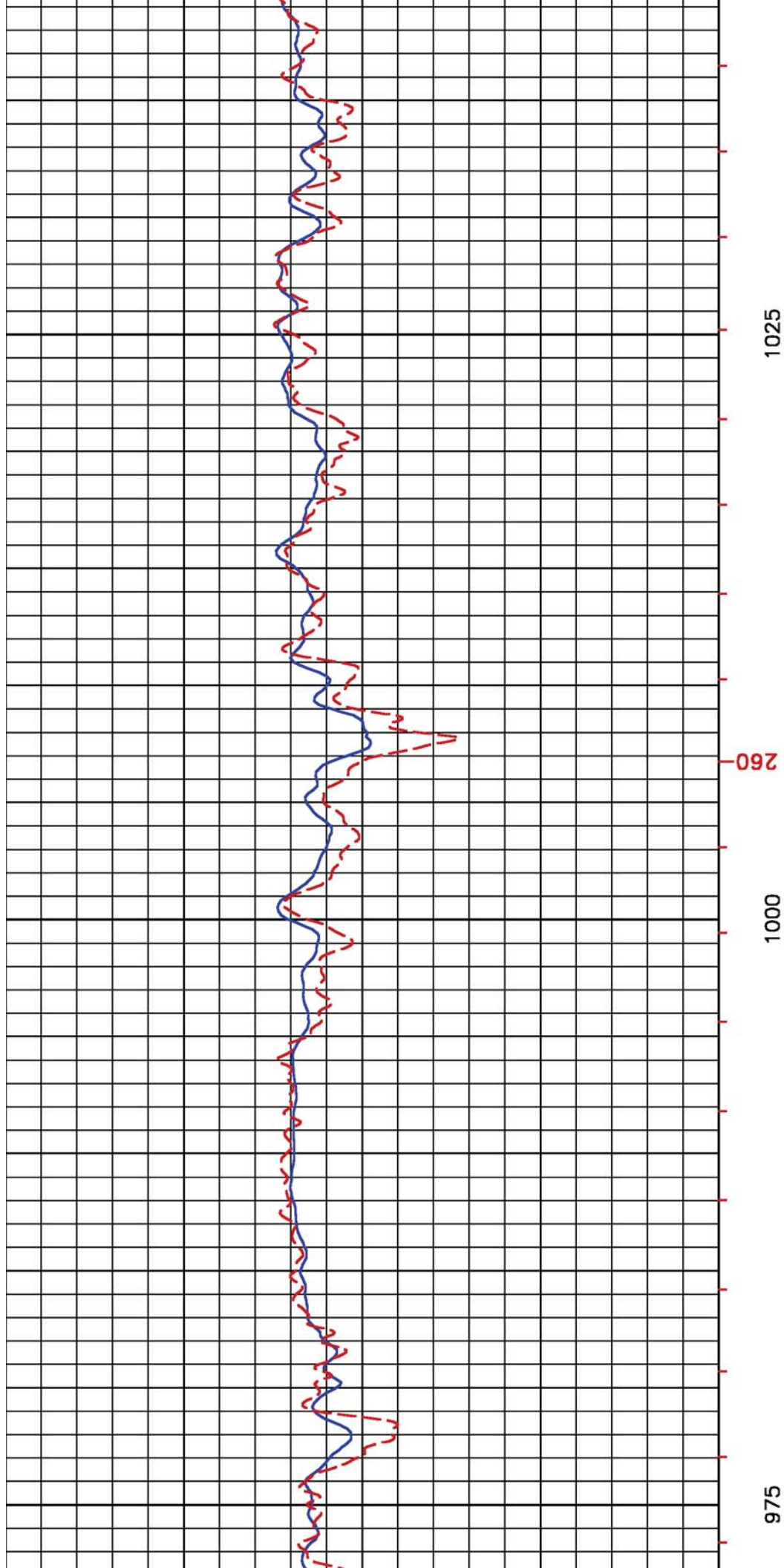


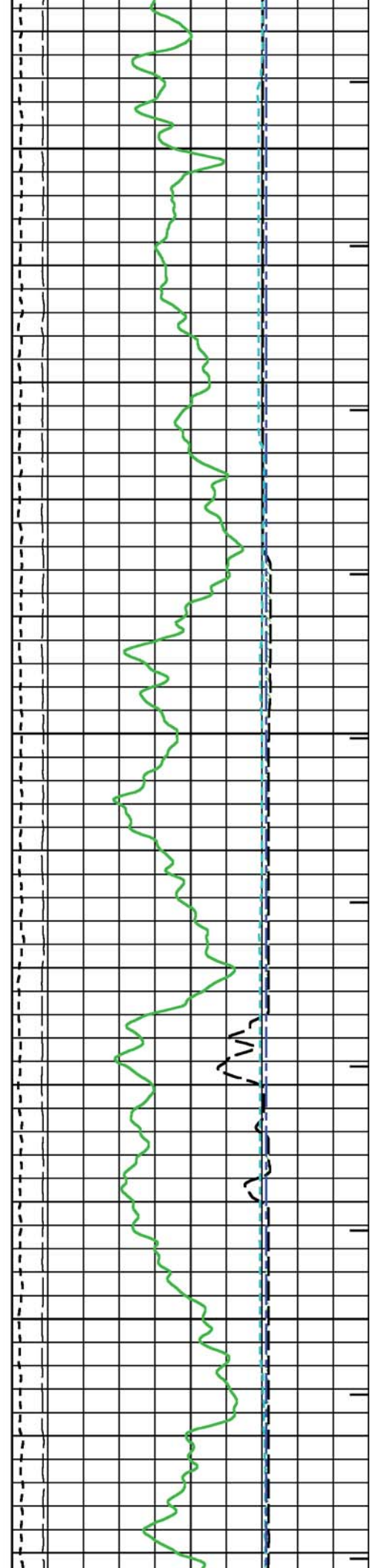
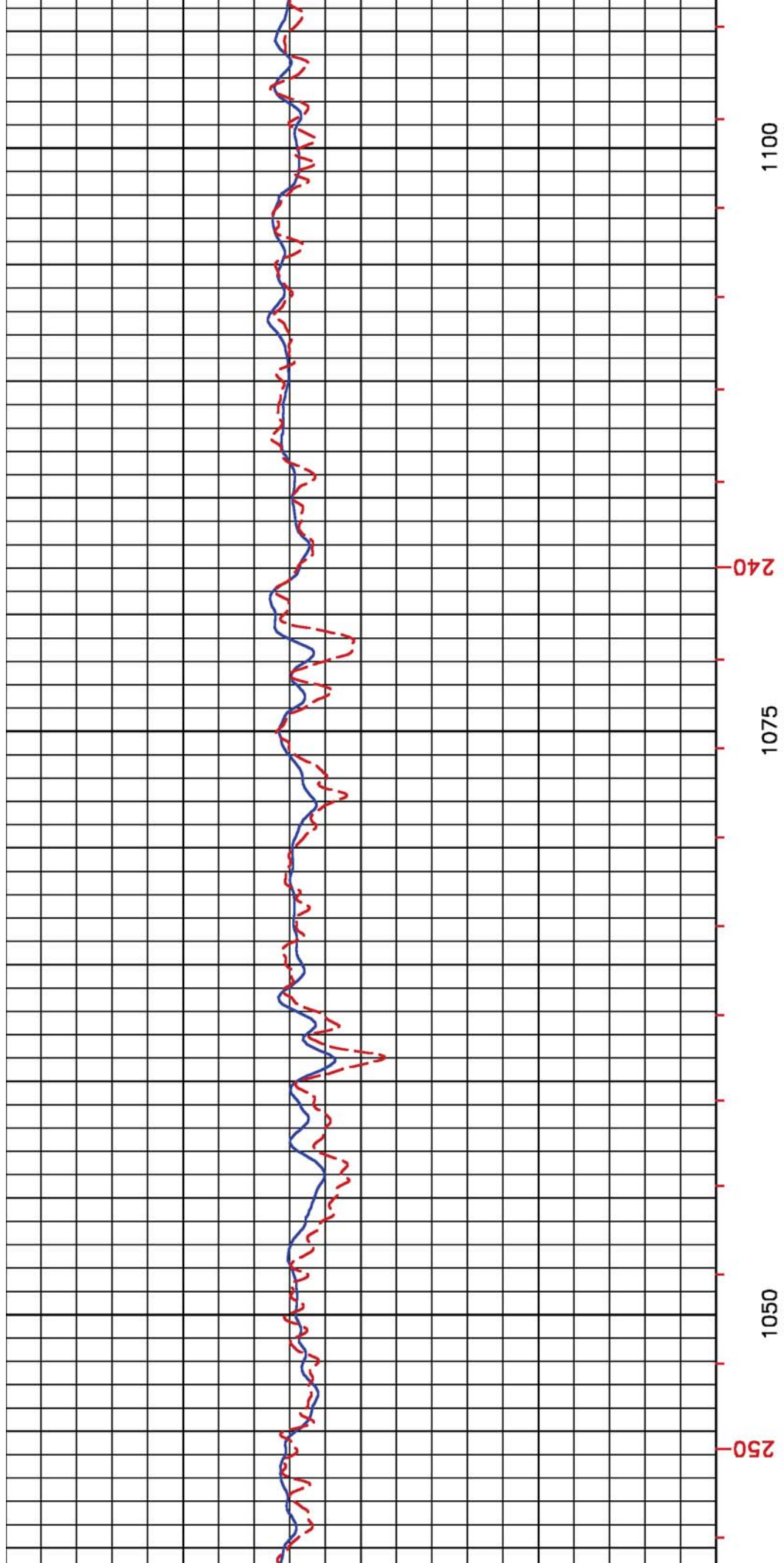


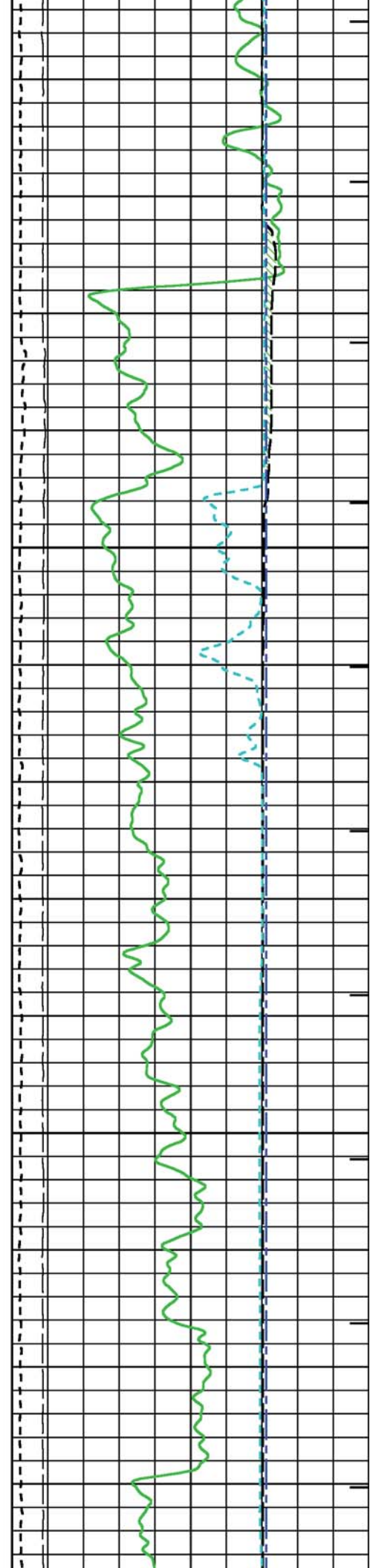
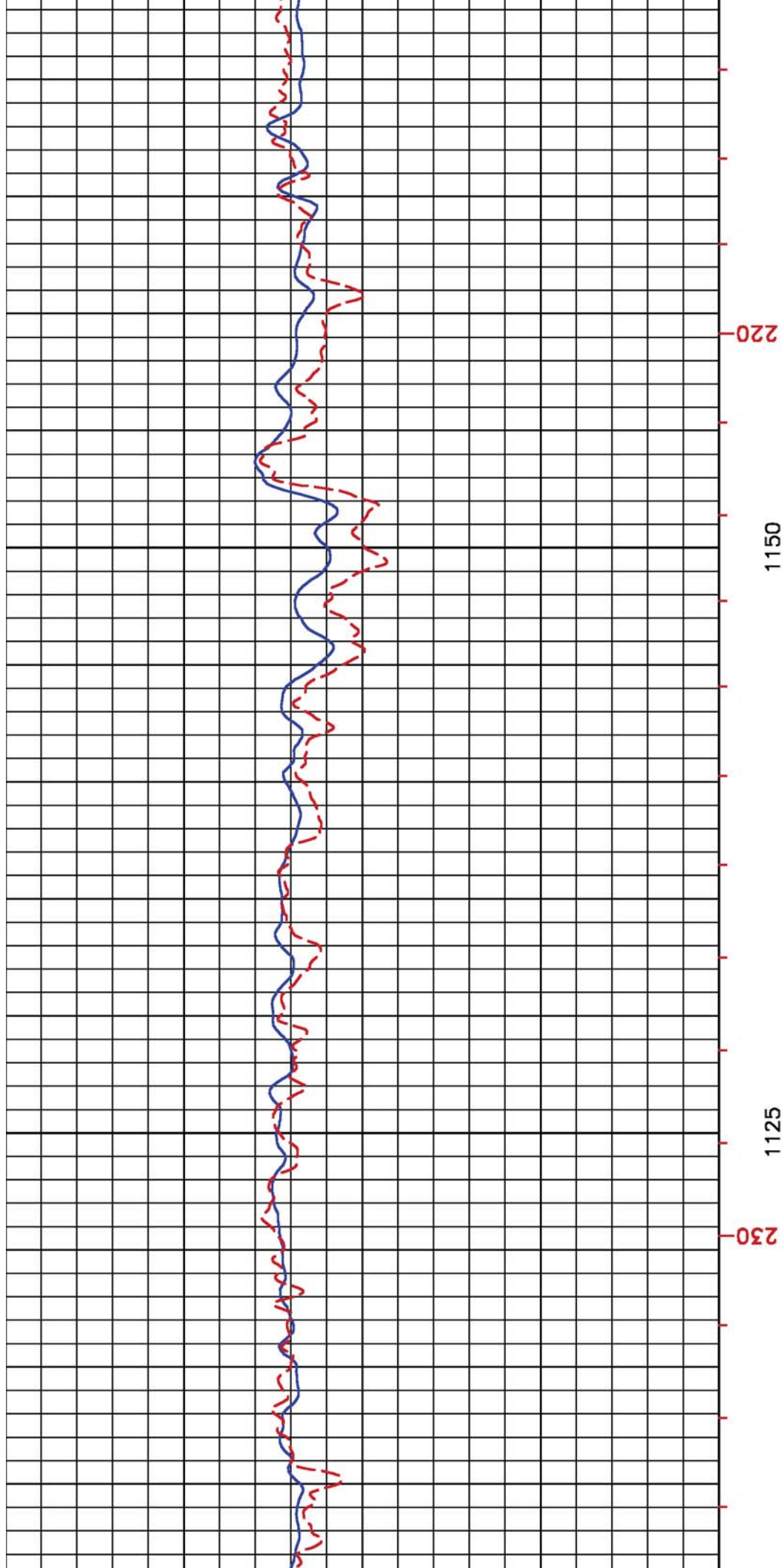


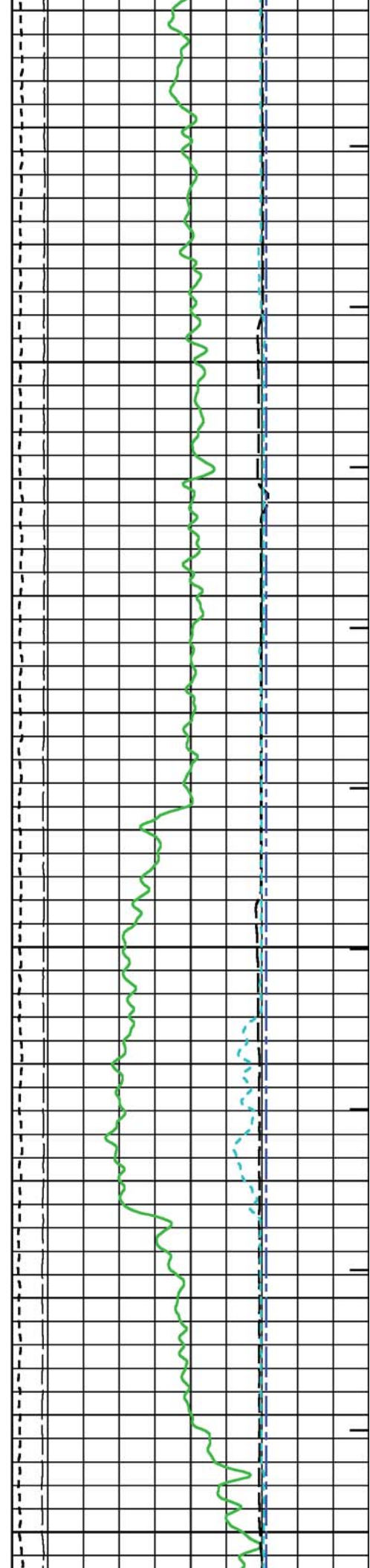
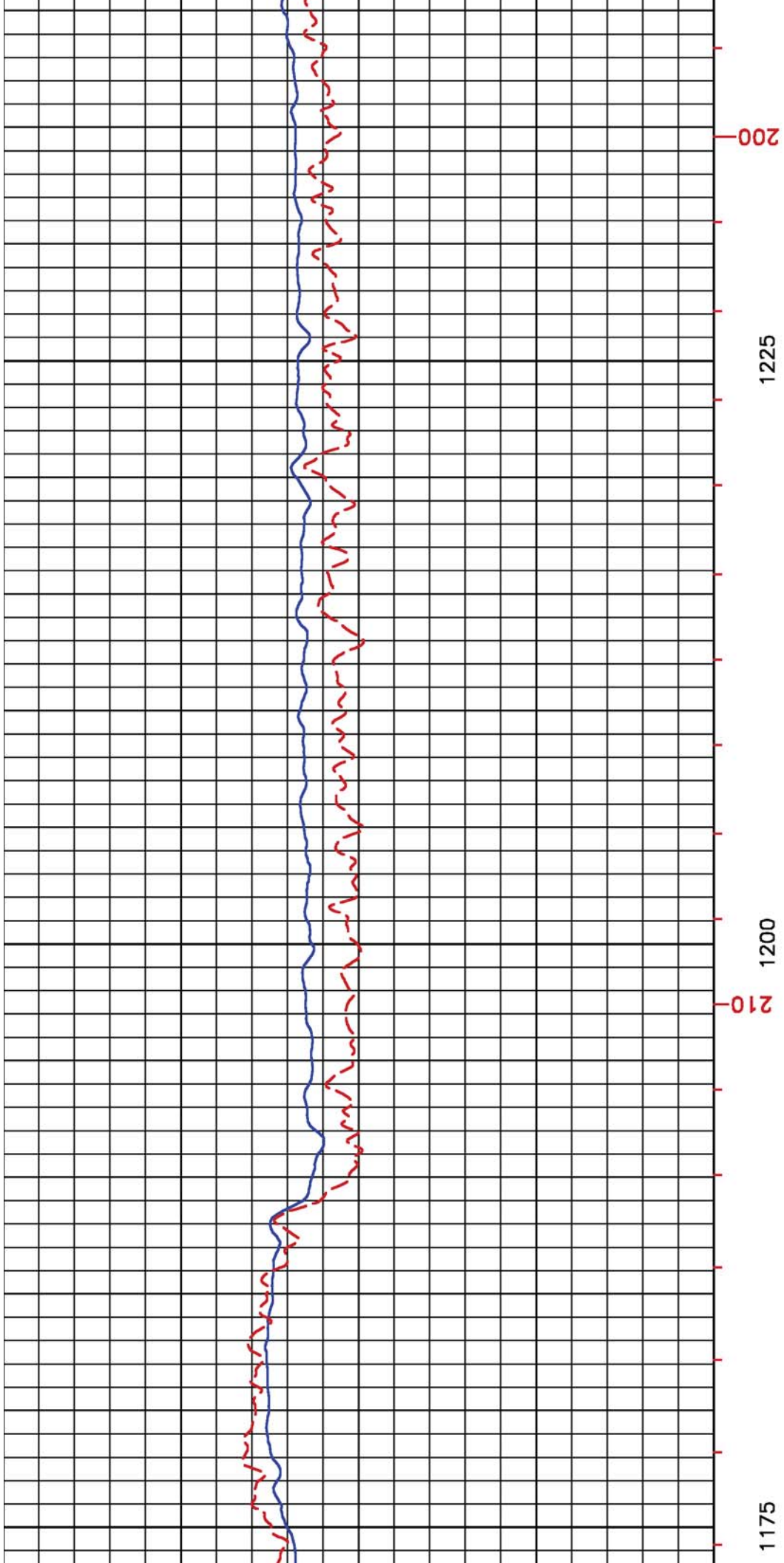


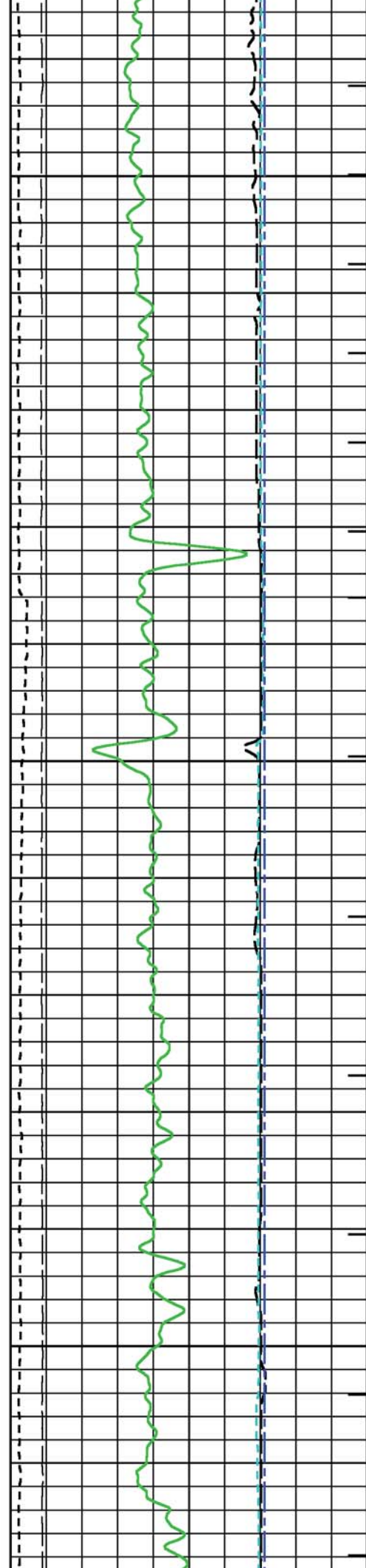
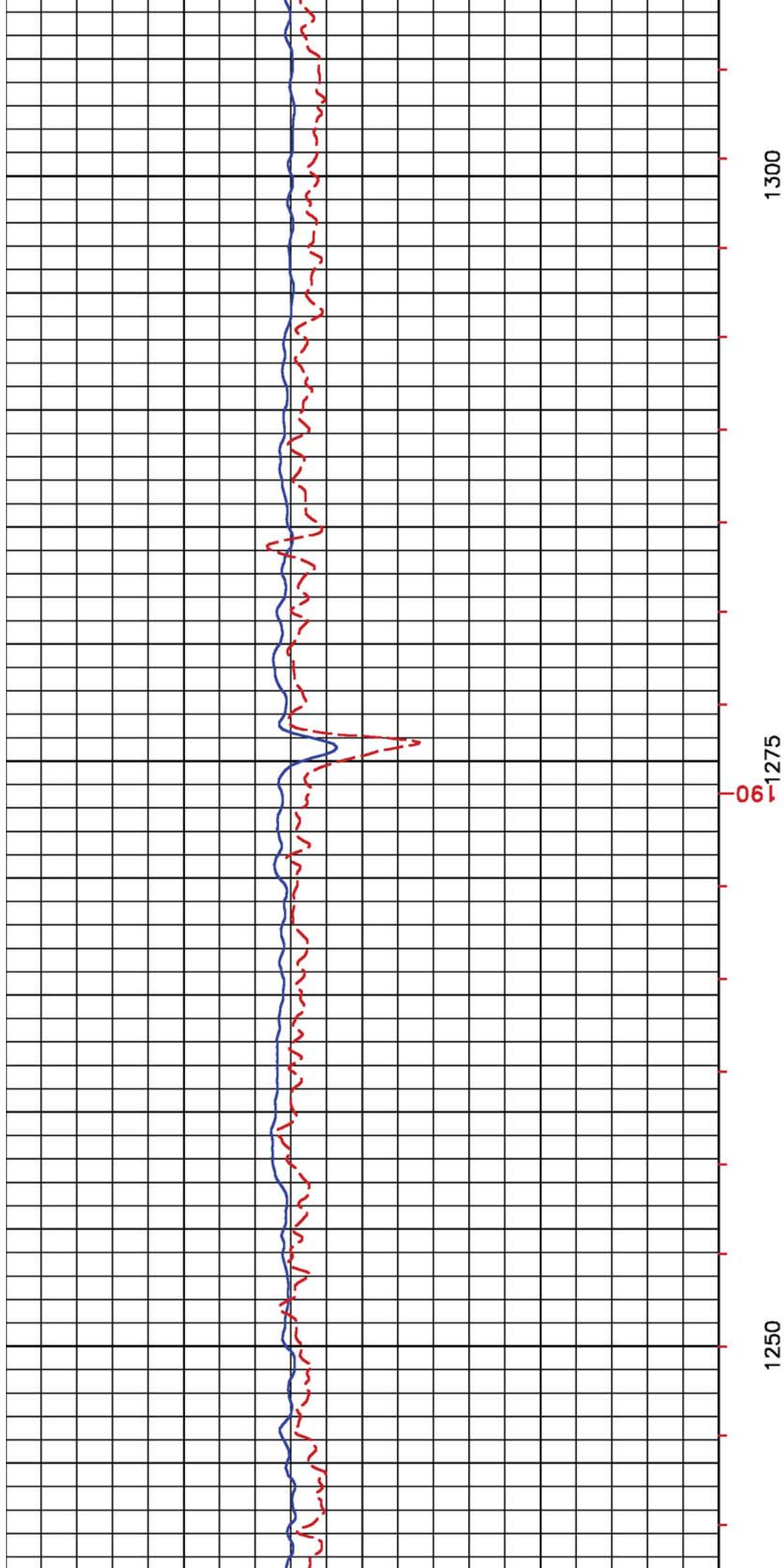


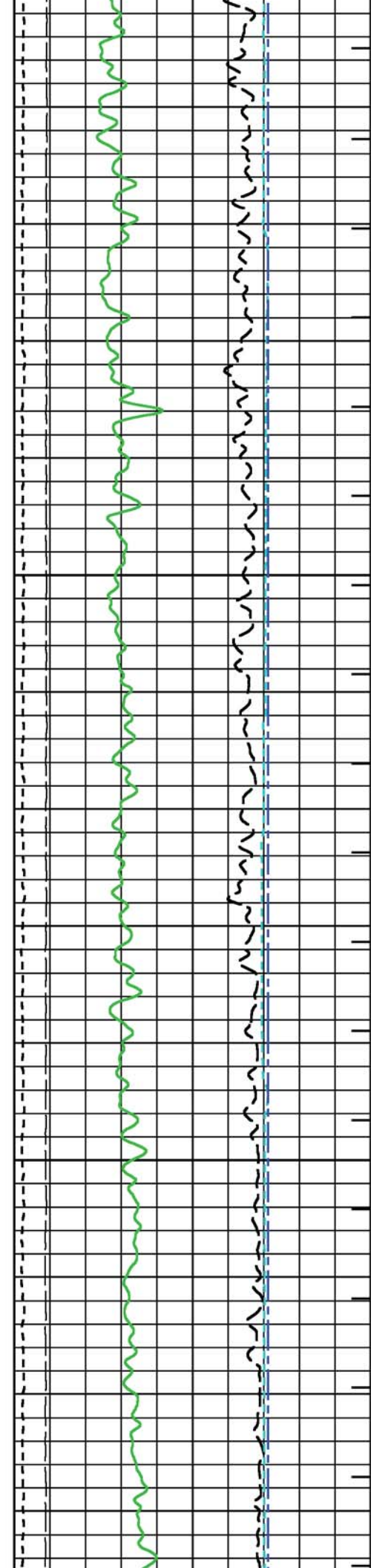
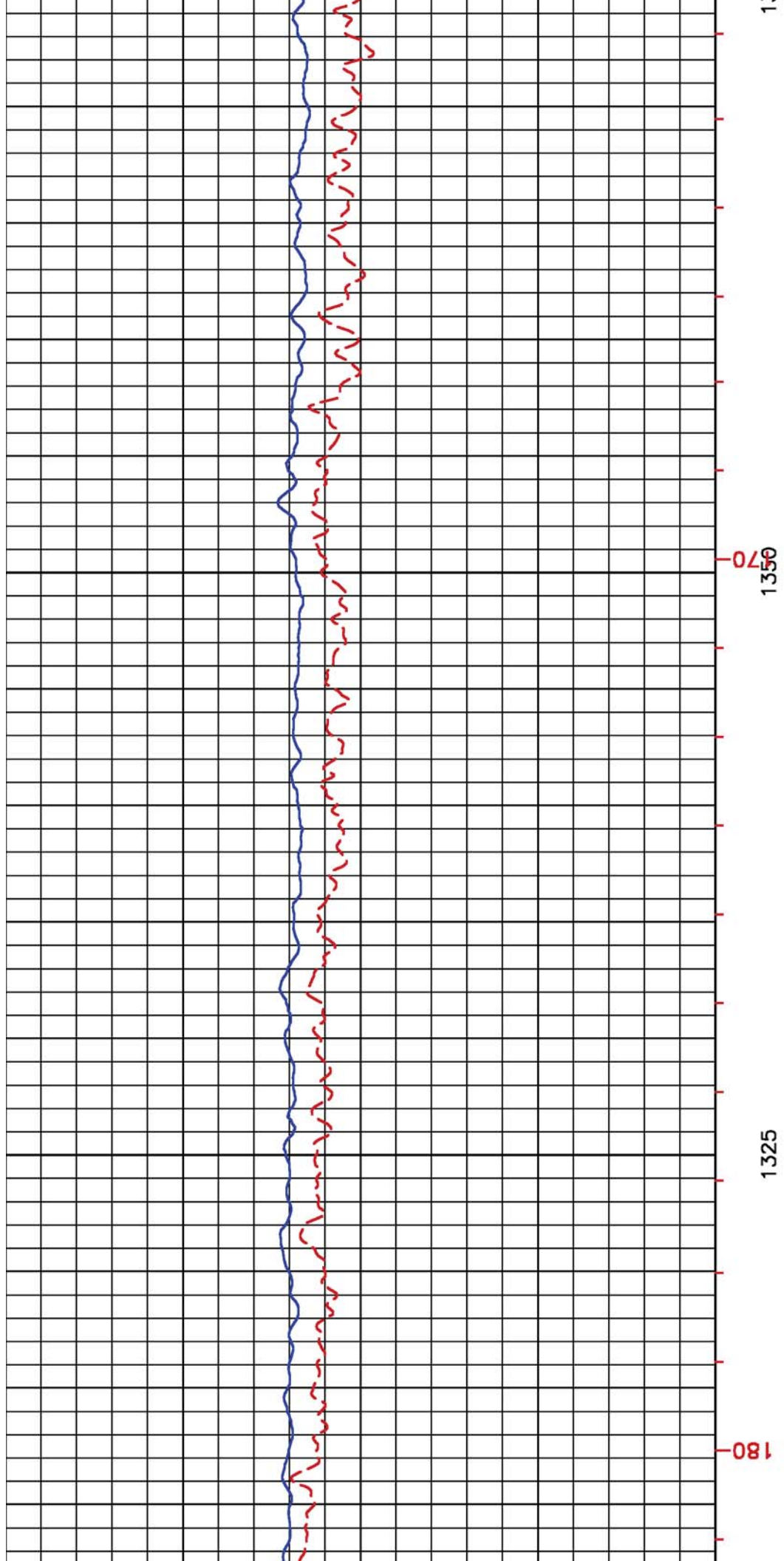


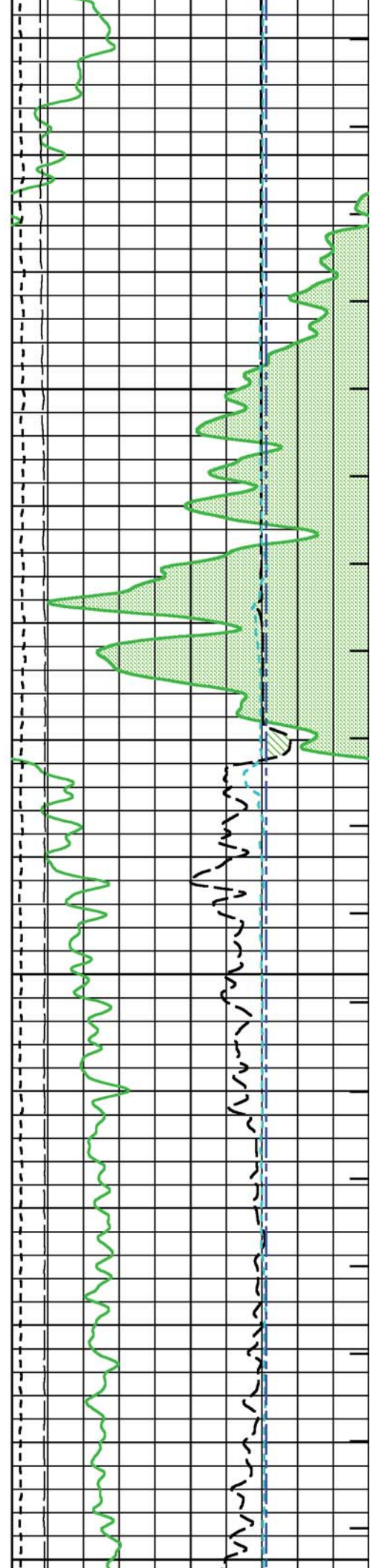
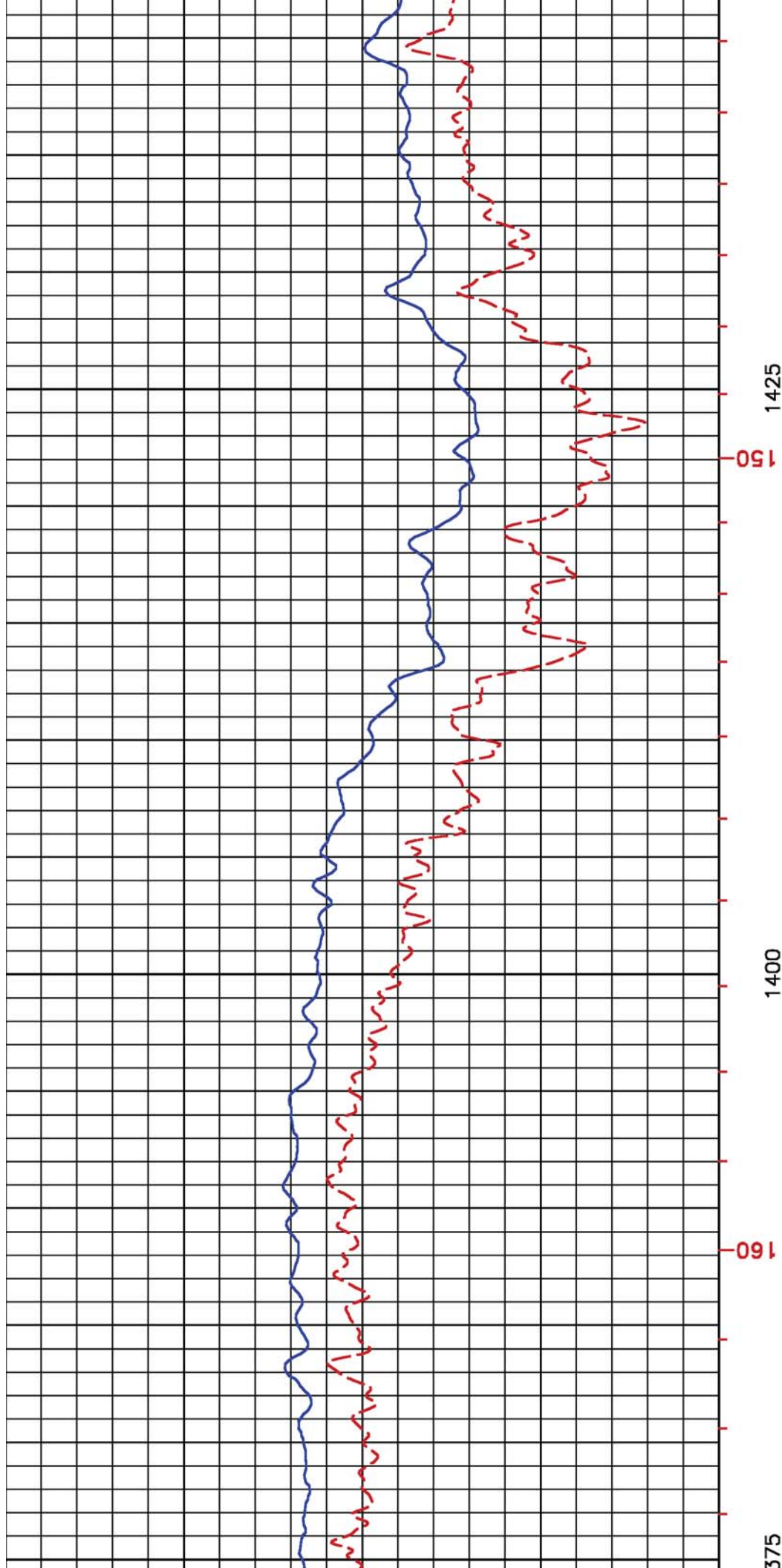


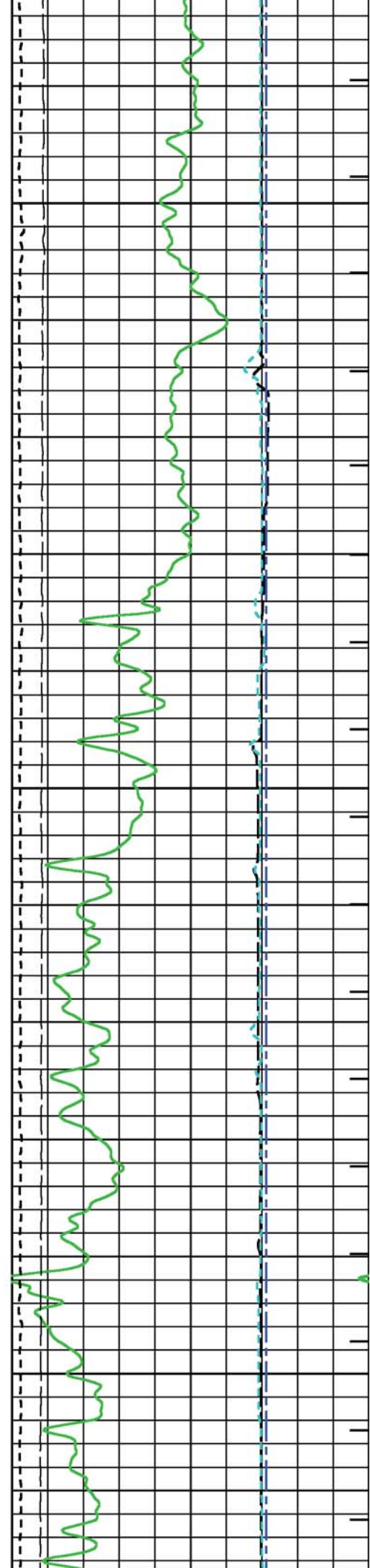
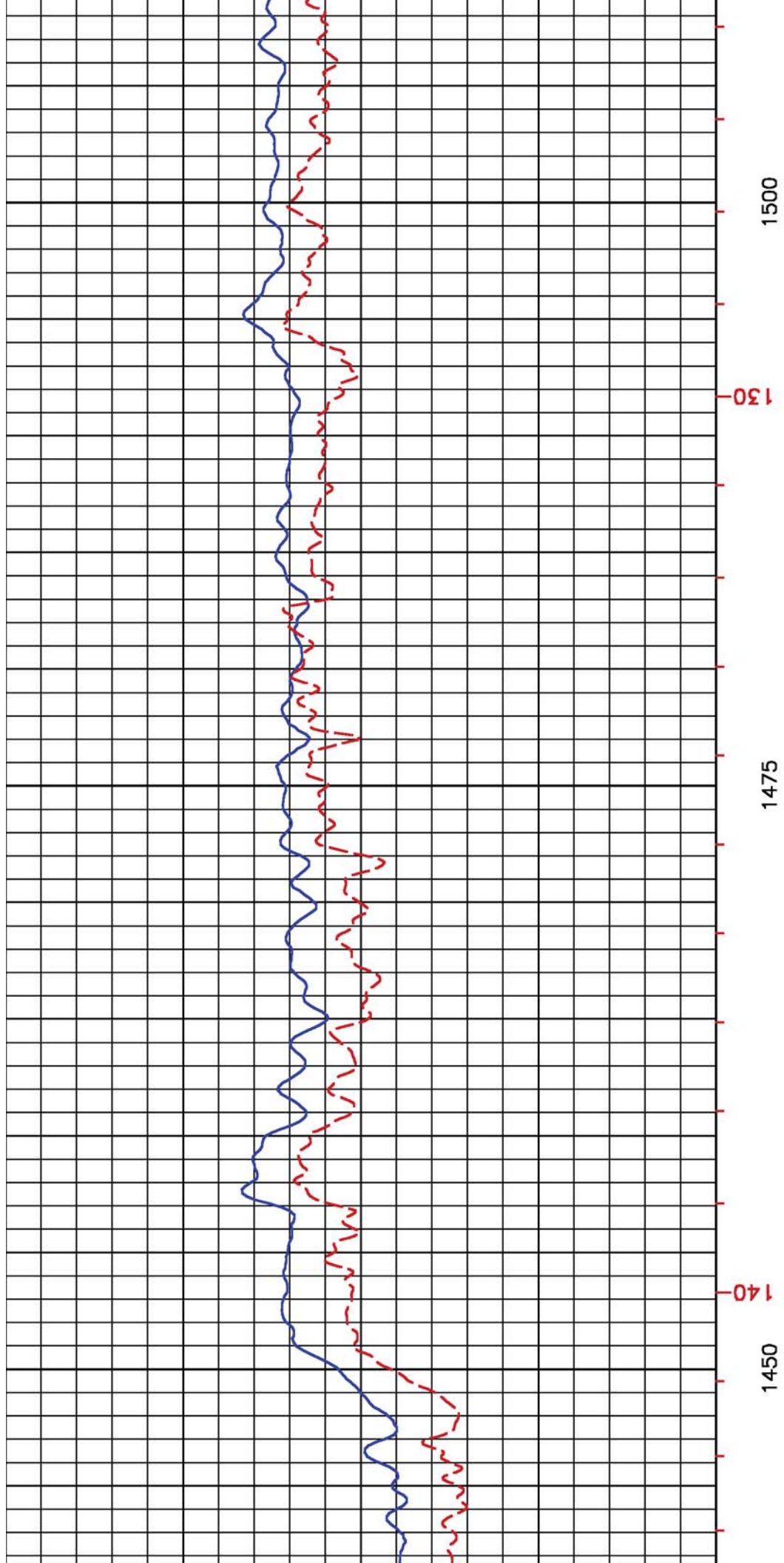


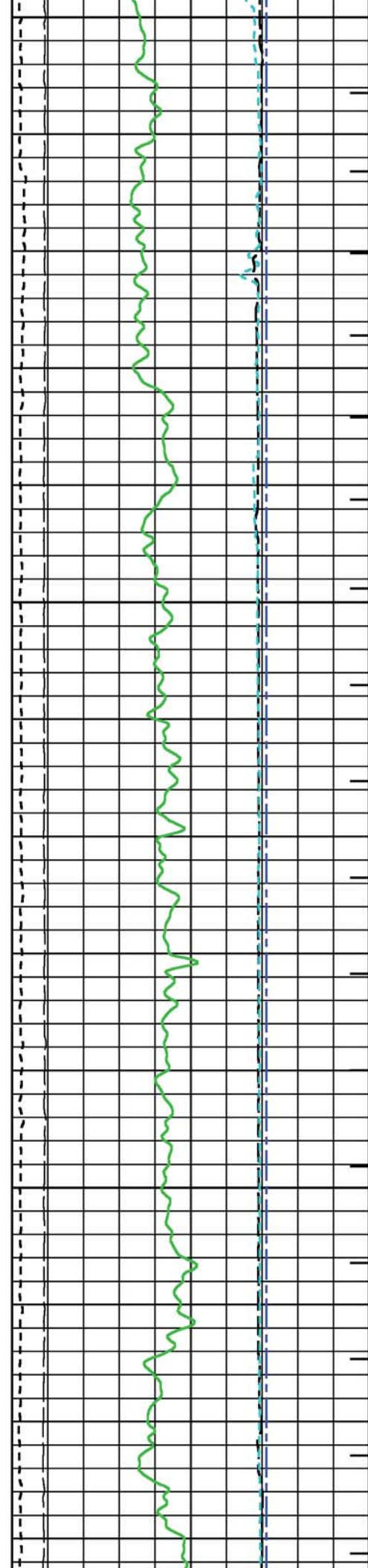
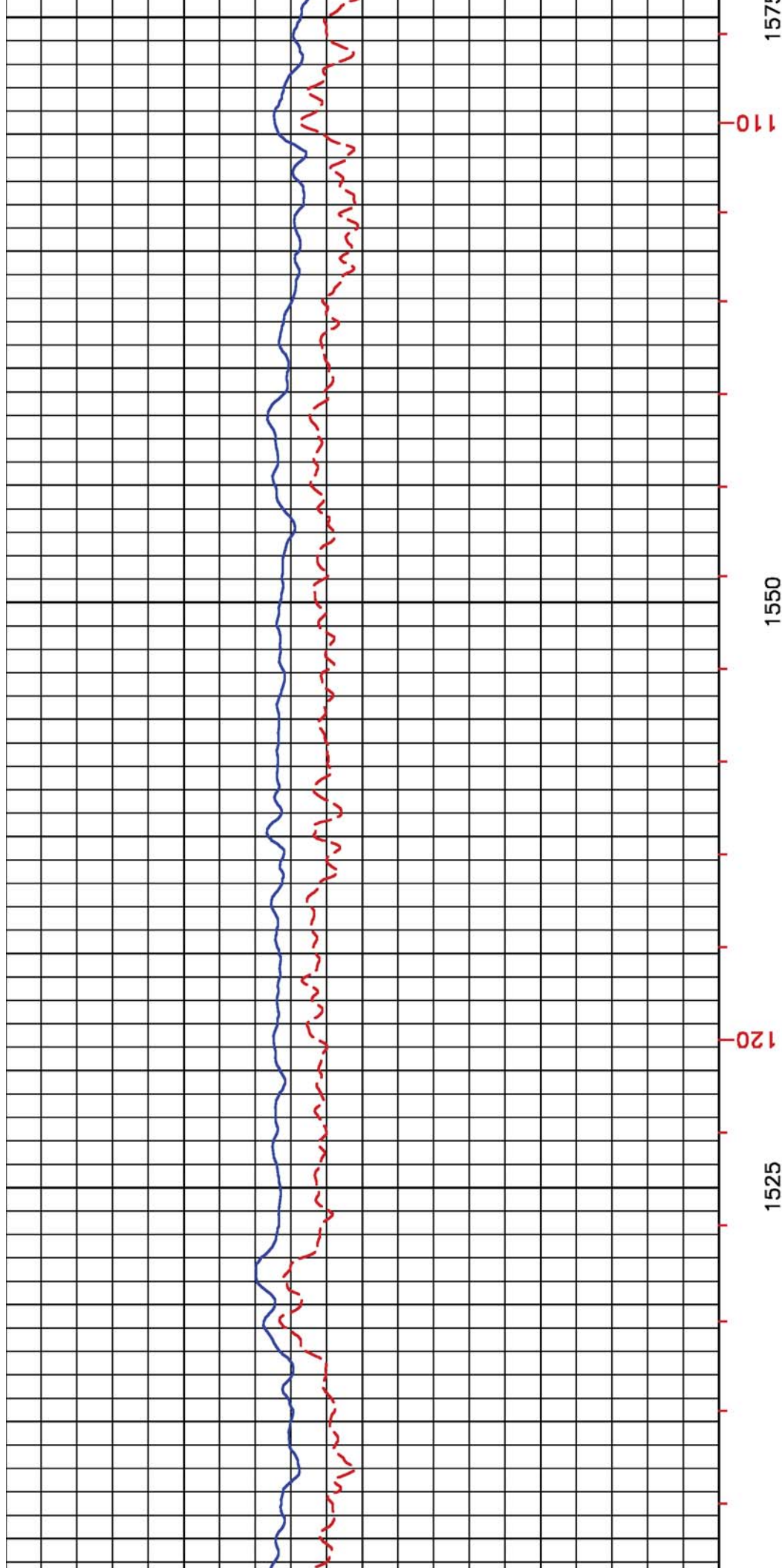


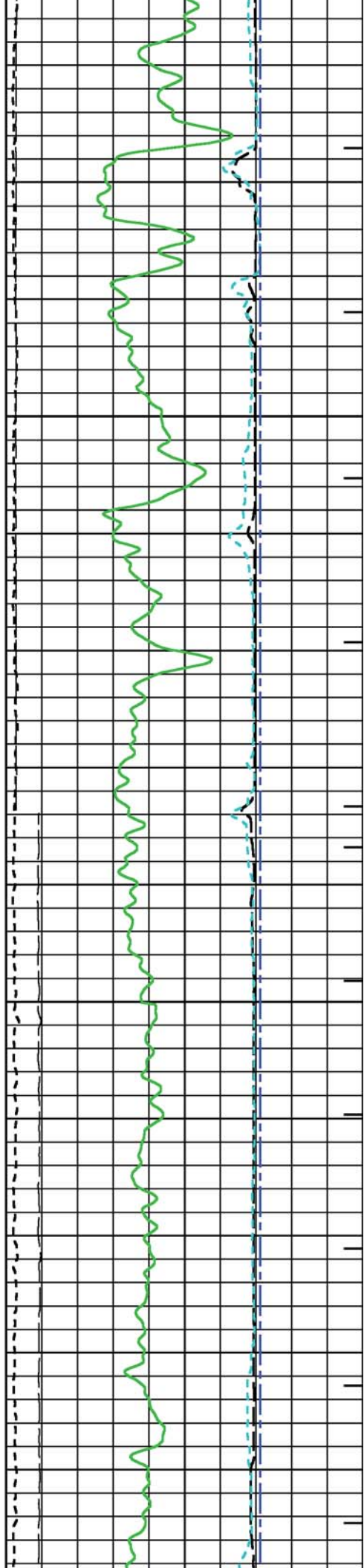
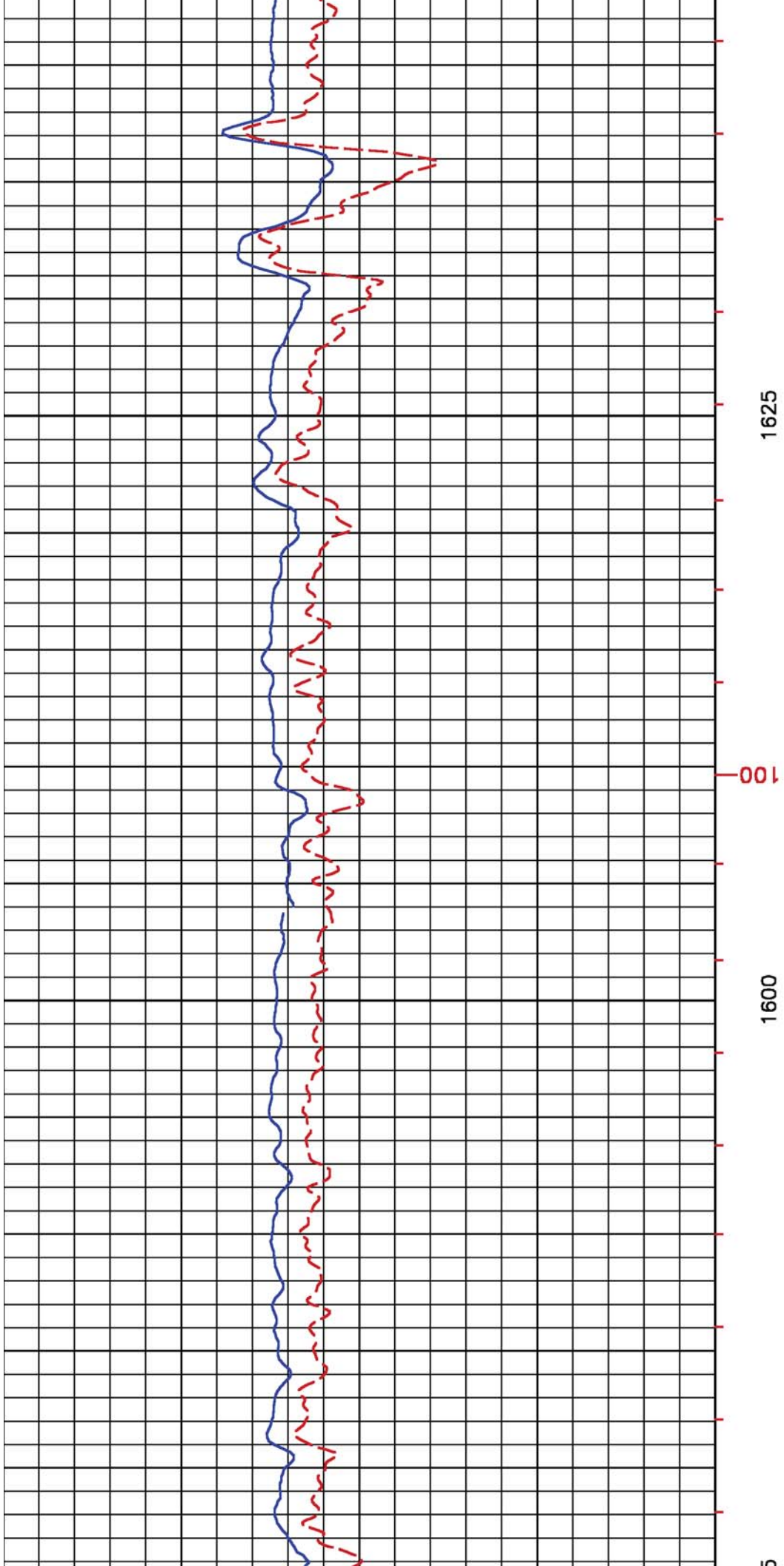


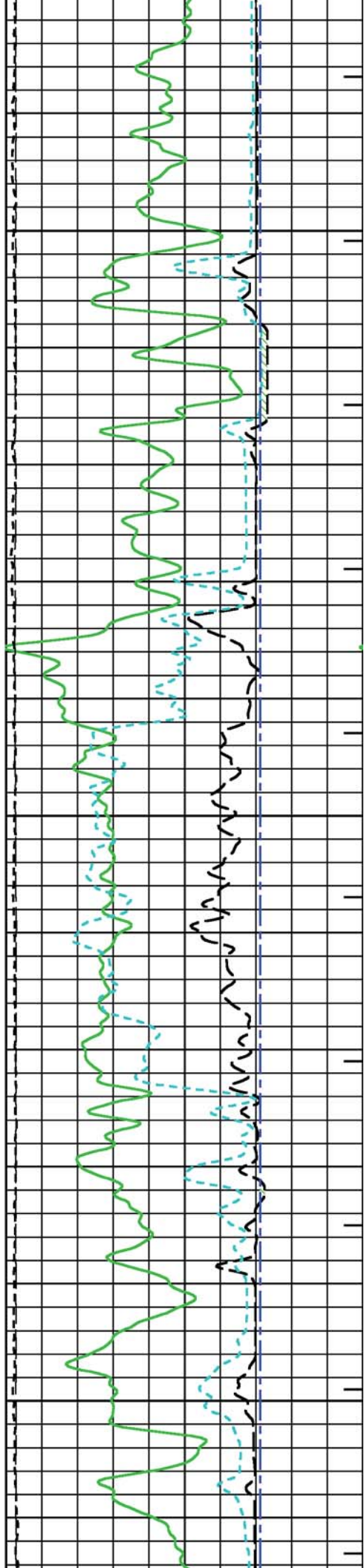
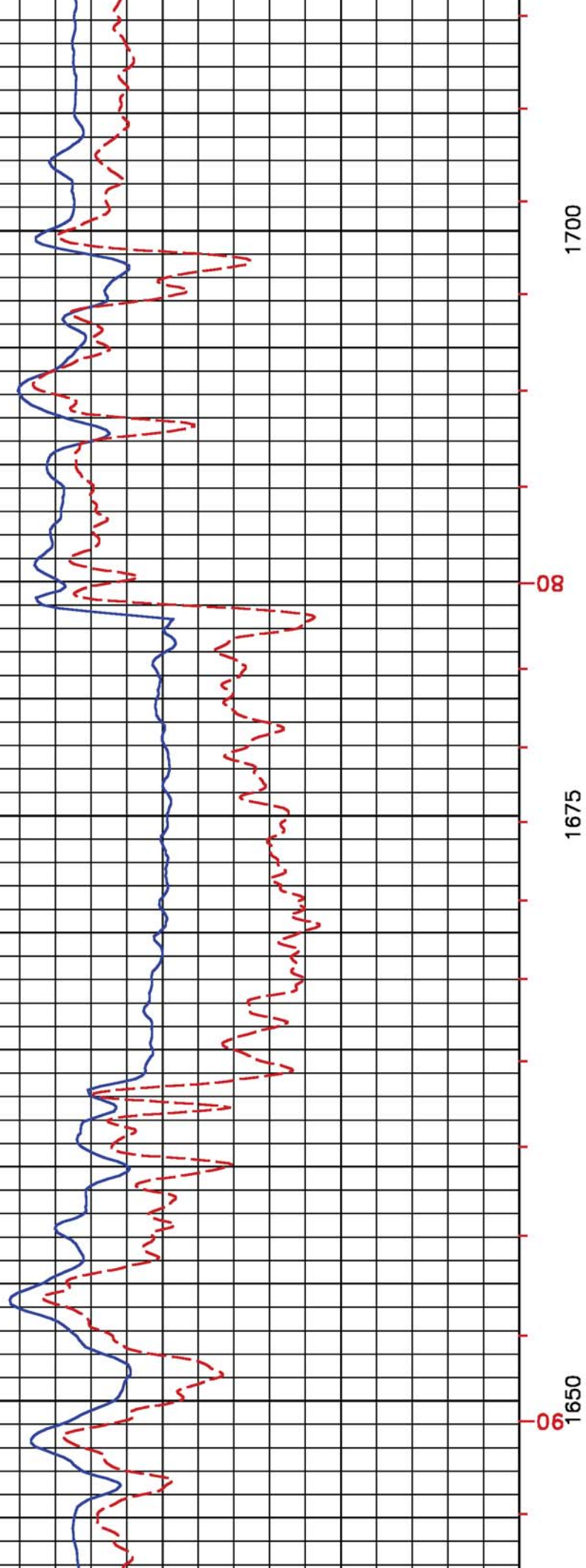


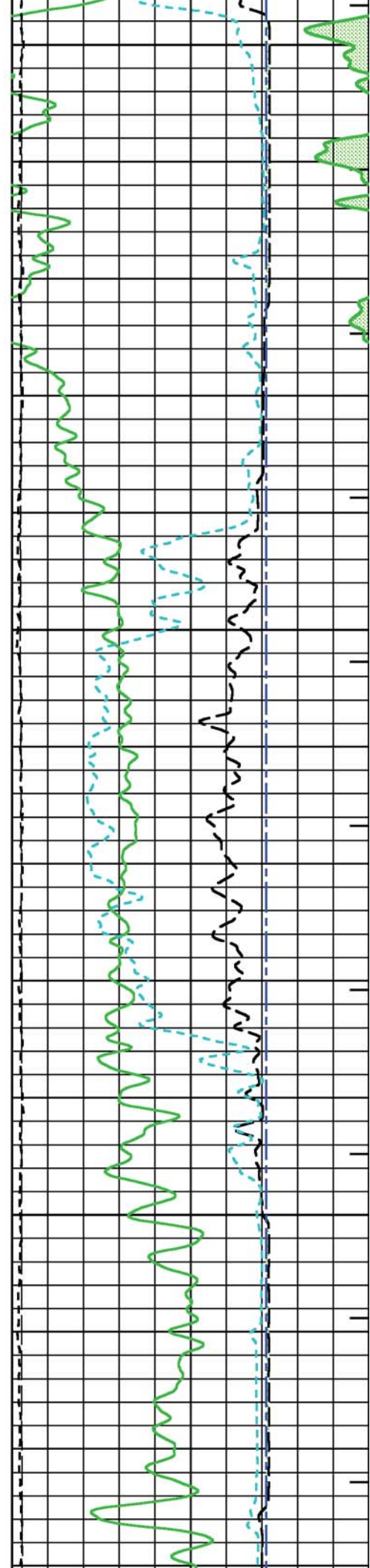
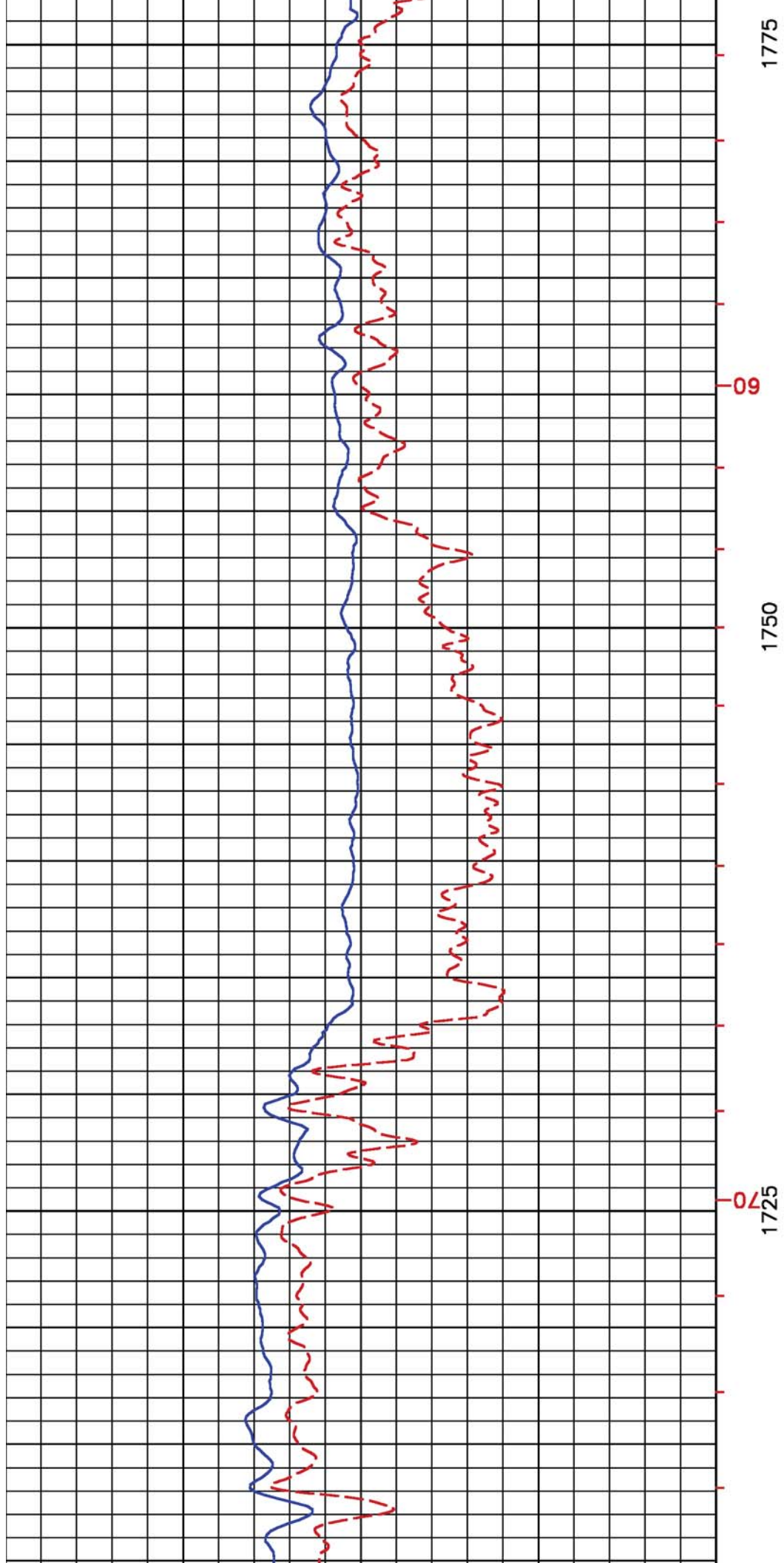


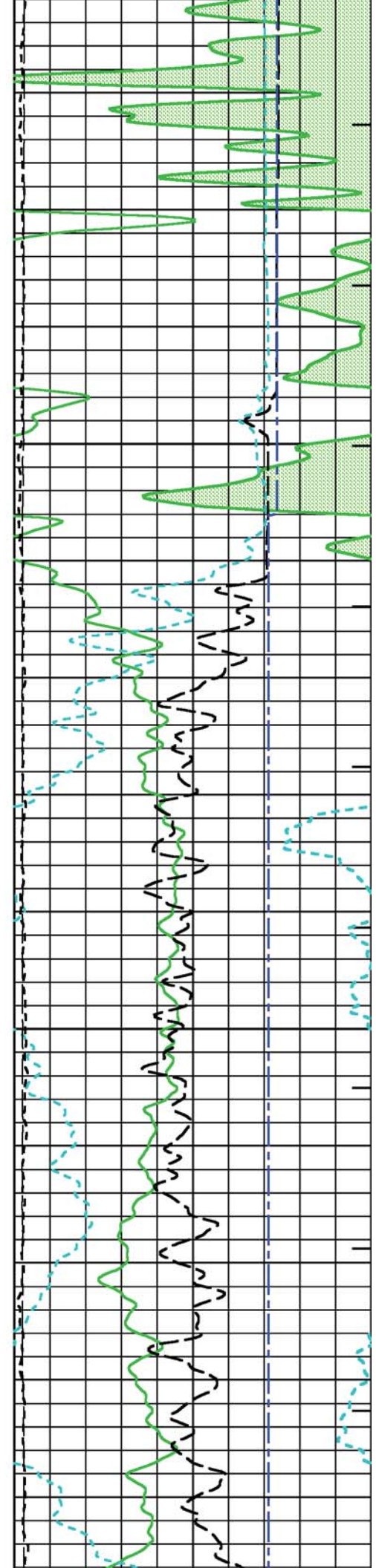
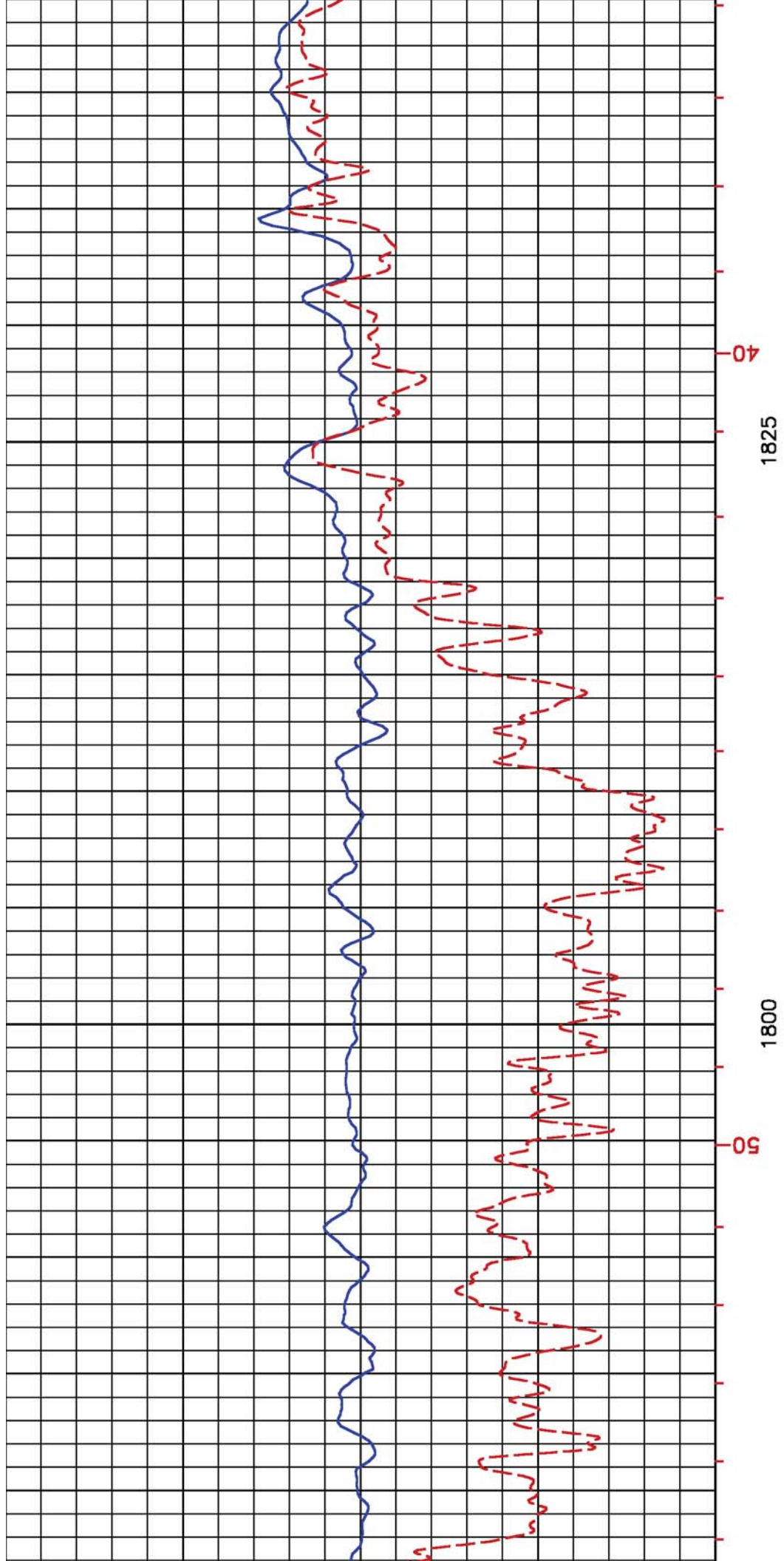


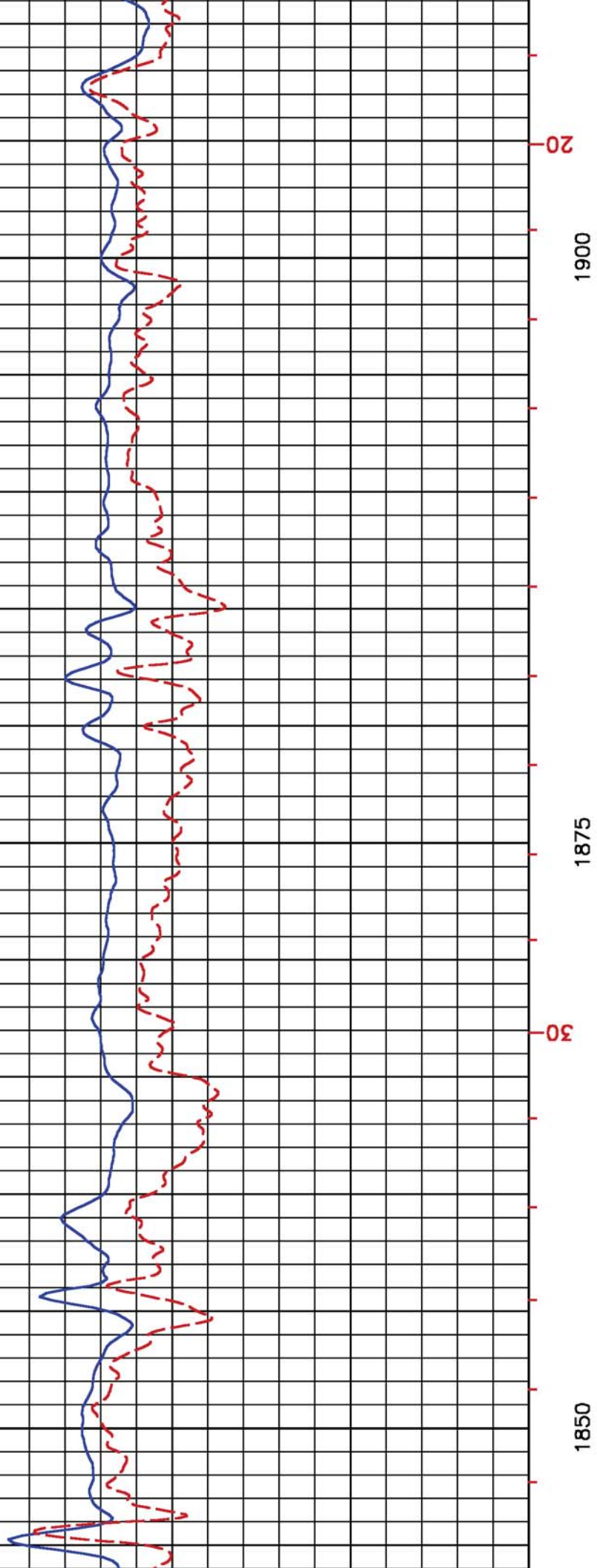
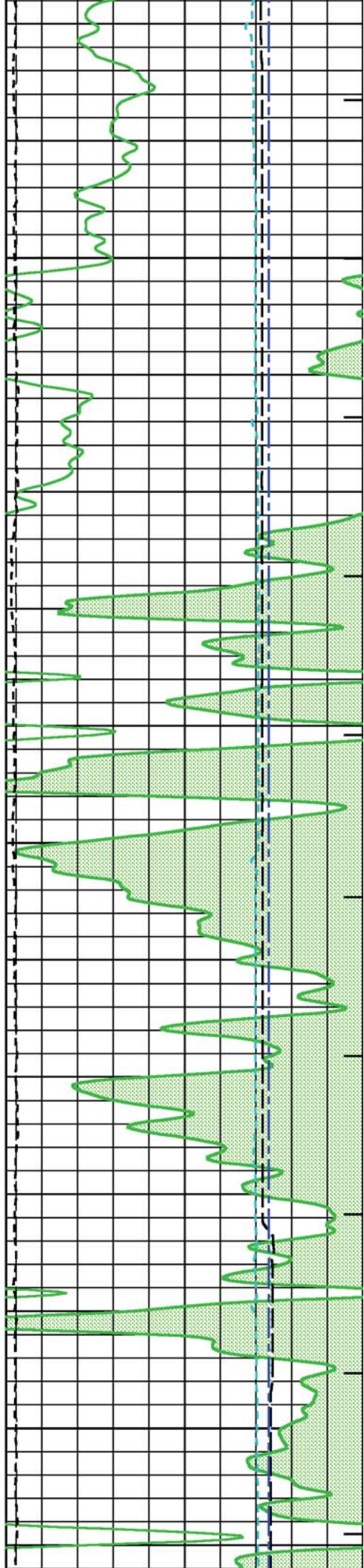


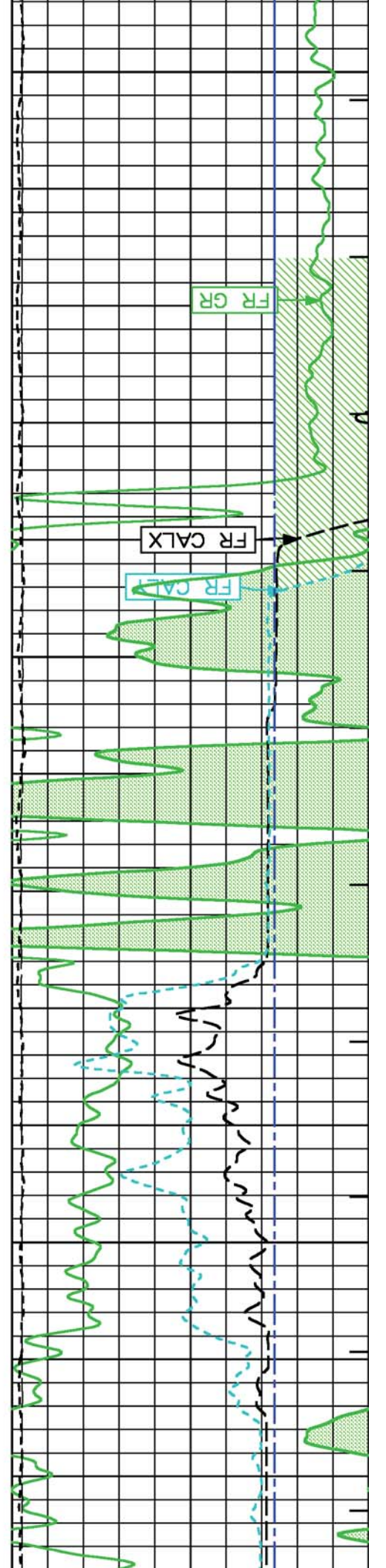
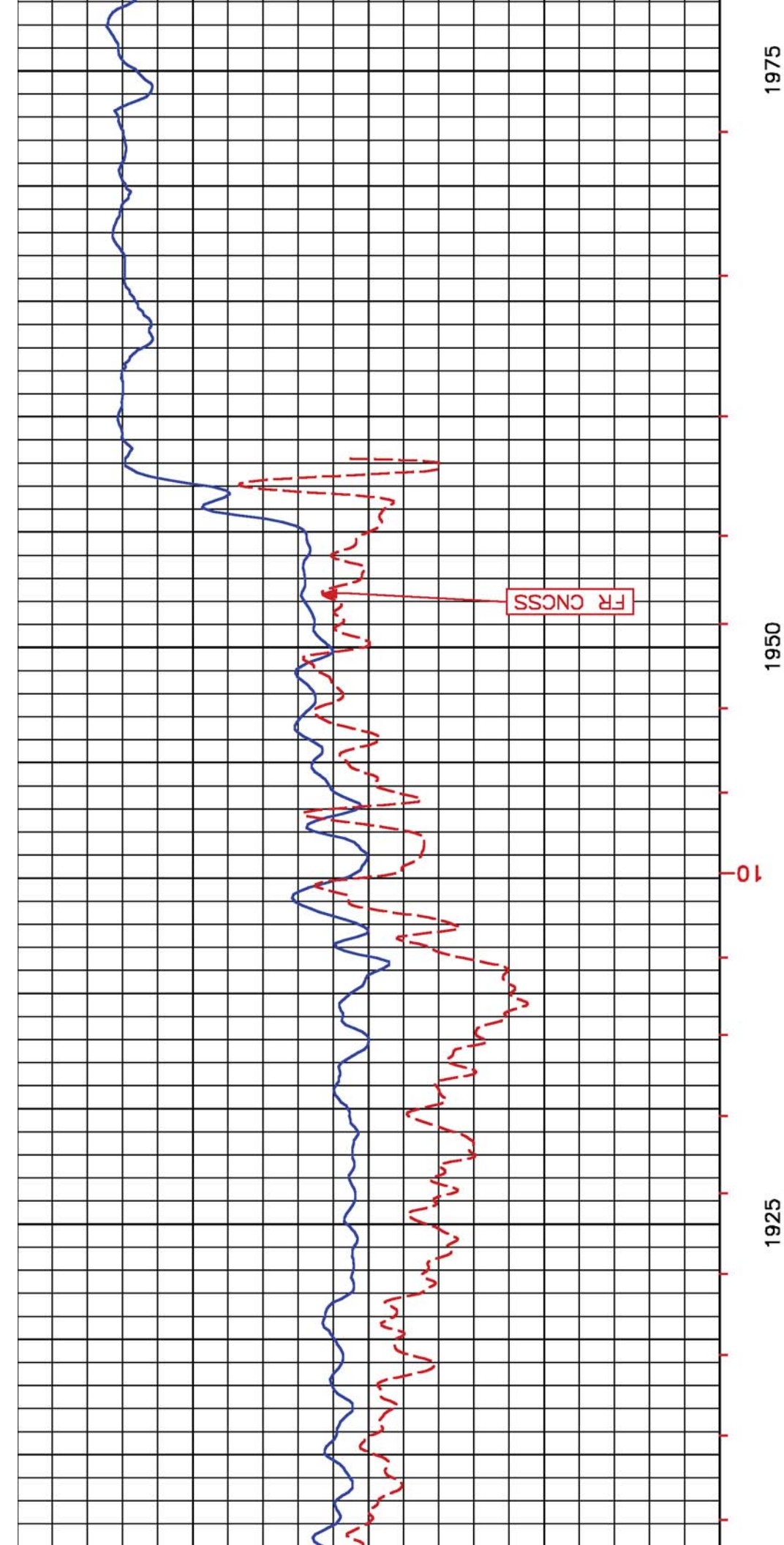




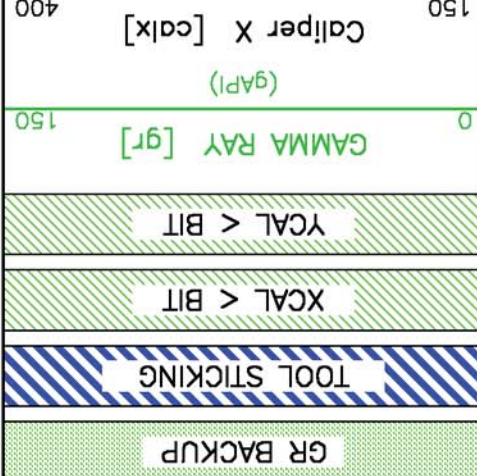
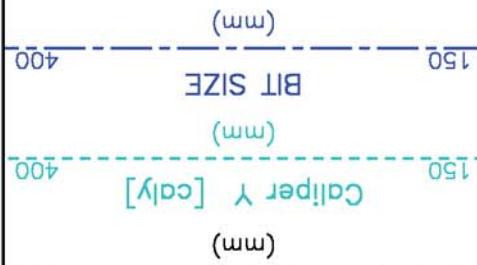
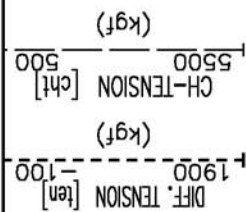






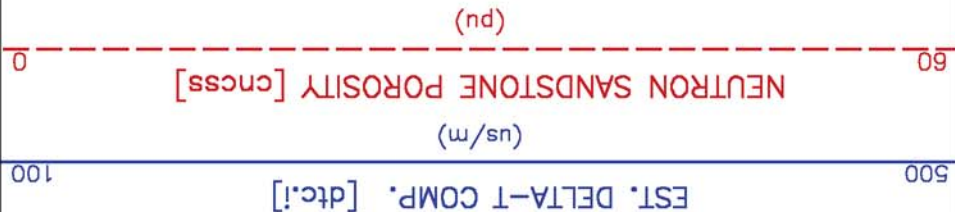
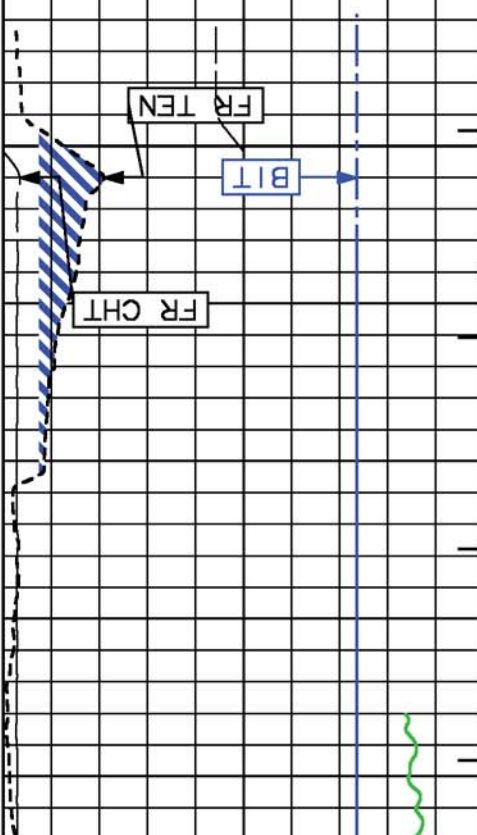


MINUTE MARK

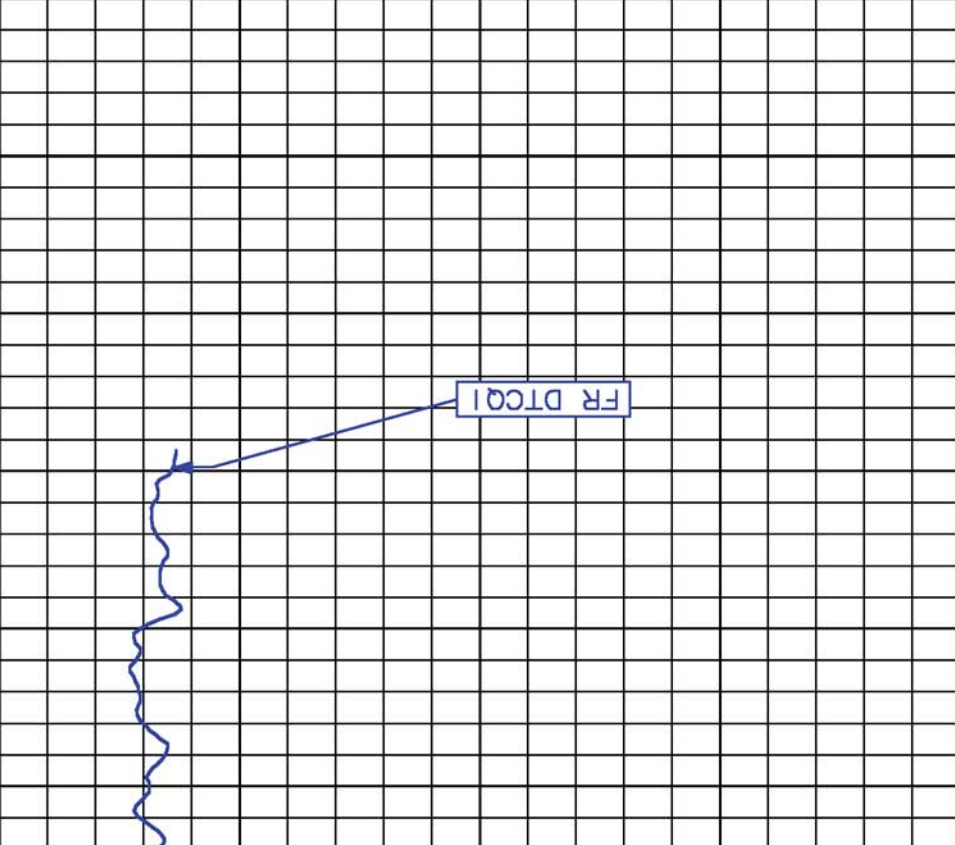


METERS

2000



TT
100
10
1



REPEAT LOG

ECLIPS 6.11 Aug 06, 2010
Updates: 1,2 Patches: 3

Mon Feb 18 14:25:36 2013

Perpht /main/62 Cplot Pdf_Cpp /main/16 Fileview 5.61

PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/MGM/run2_oh/m980e02.prm
LOGGING MODE: DEPTH
TOP DEPTH: 336.788 m
DIRECTION: DOWN
BOTTOM DEPTH: 1994.840 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
CHT	FILTER ()	medium	(1)	TOP
TENSION	FILTER ()	medium	(1)	TOP
GR	FILTER ()	medium	(1)	TOP
CALIPER	FILTER ()	medium	(1)	TOP

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	177.800	mm	TOP
X-Y COMBINED CALIPER PROCESSING	X-Y Caliper	Average	mm	TOP
BIT SIZE	BIT SIZE	222.000	mm	TOP

ACOUSTIC AVALAN CORRELATION

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
MONOPOLE COMPRESSIONAL	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	90	us/m	TOP
		500	us/m	TOP
		450	us/m	TOP
		350	us/m	TOP
		300	us/m	TOP
	FLOOR (UNIV. OPTION)	0.050		TOP
	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	GUIDE CURVE			TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	328	us/m	TOP
	TAPER - RIGHT END	623	us/m	TOP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
MONOPOLE SHEAR	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	GUIDE CURVE			TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	90	us/m	TOP
		500	us/m	TOP
		450	us/m	TOP
		350	us/m	TOP
		300	us/m	TOP
	FLOOR (UNIV. OPTION)	0.050		TOP
	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	GUIDE CURVE			TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	328	us/m	TOP
	TAPER - RIGHT END	623	us/m	TOP

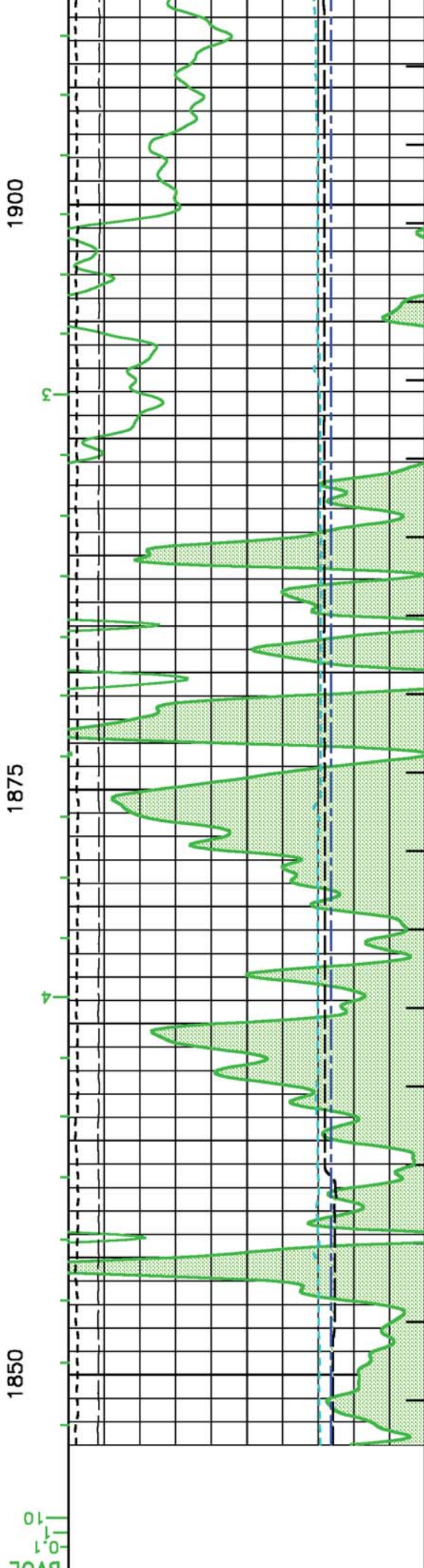
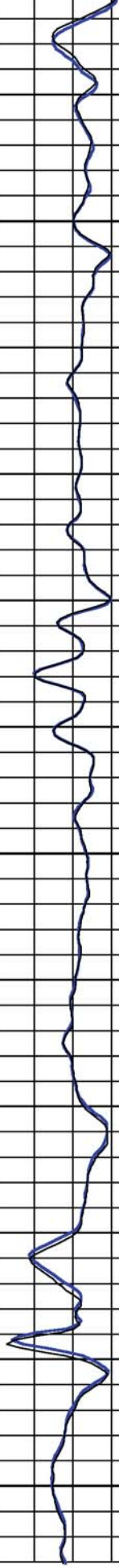
ACOUSTIC WAVEFORM FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
WAVEFORM FILTER - FULLWAVE	SURFACE WAVE FILTER	ON		TOP
	LOW FREQ CUTOFF	7000	Hz	TOP
	HIGH FREQ CUTOFF	22000	Hz	TOP

ACOUSTIC TCC CONTROL PARAMETERS

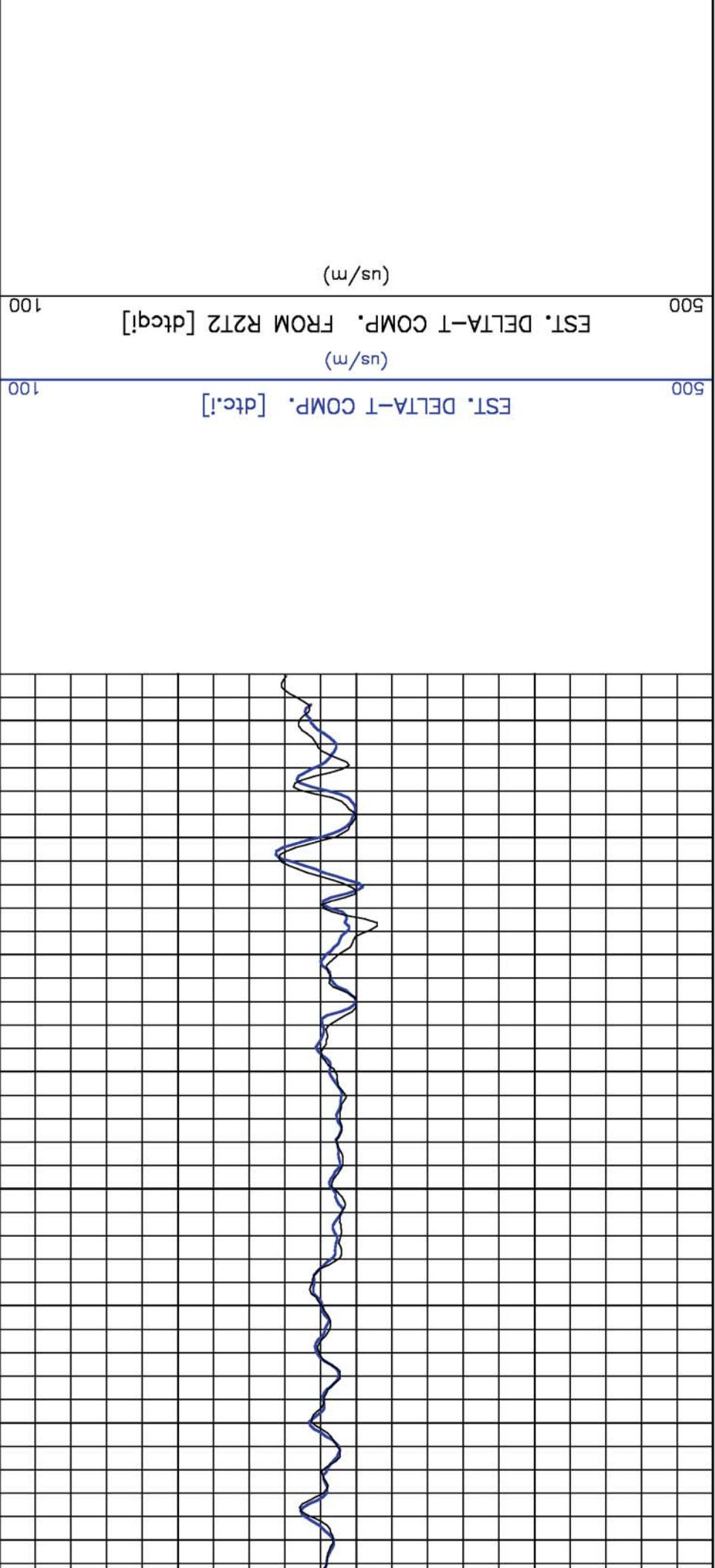
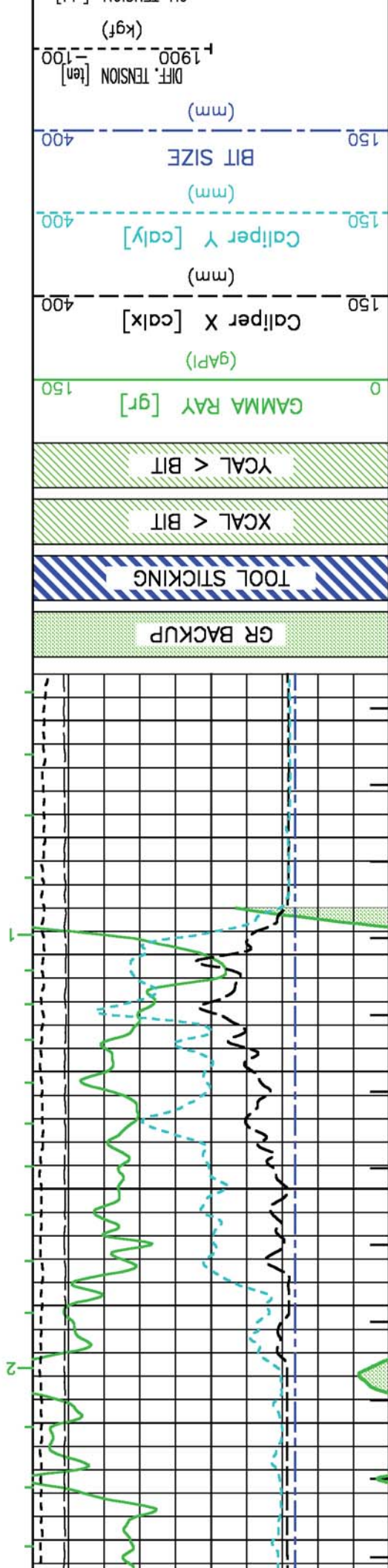
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
GENERAL TCC PARAMETERS	AGC	ON		TOP
	SUBCYCLE LENGTH	50		TOP
	SUBSET	4		TOP
	STACK LEVEL	2		TOP
	DSP FILTER	ON		TOP
GENERAL MONOPOLE TCC PARAMETERS	AGC WINDOWN			TOP

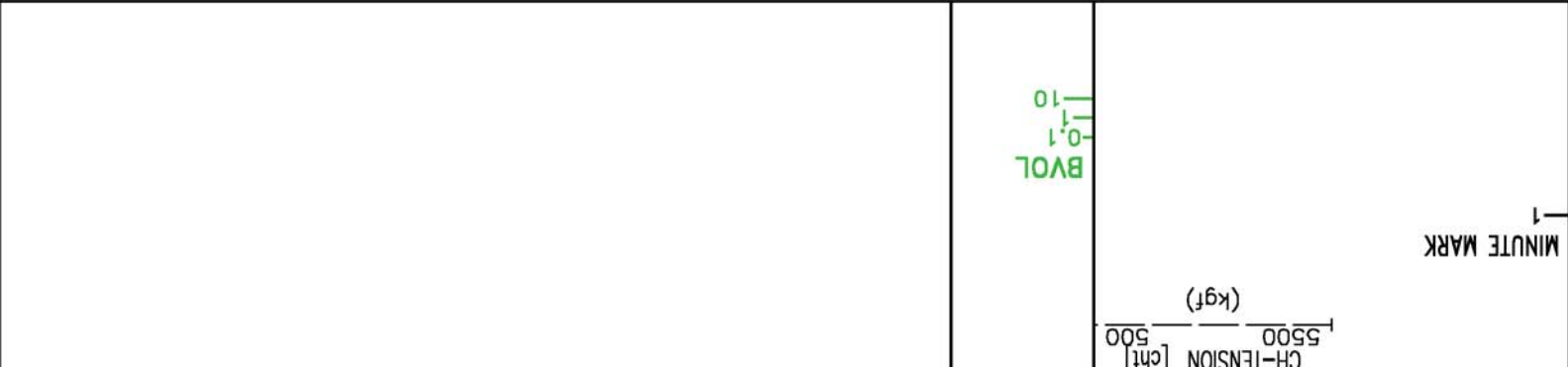
[illegible]



METERS

1925





PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/mgm/run2_oh/m980e02.prm

LOGGING MODE: DEPTH

TOP DEPTH: 336.788 m

DIRECTION: DOWN

BOTTOM DEPTH: 1994.840 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
CHT	FILTER ()	medium (1)		TOP
TENSION	FILTER ()	medium (1)		TOP
GR	FILTER ()	medium (1)		TOP

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
X-Y COMBINED CALIPER PROCESSING	X-Y Caliper	Average		TOP
BIT SIZE	BIT SIZE	222.000	mm	TOP
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (acbh*)	USE FIXED SIZE		TOP
BOREHOLE CORR DIAMETER	FIXED DIAMETER (acbh*)	222.000	mm	TOP

ACOUSTIC POROSITY

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC POROSITY	Dtfluid	623.36	us/m	TOP

ACOUSTIC AVAL CORRELATION

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
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MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
MONOPOLE COMPRESSIONAL	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	90	us/m	TOP
		500	us/m	TOP
		450	us/m	TOP
		350	us/m	TOP
		300	us/m	TOP
		0.050		TOP
	FLOOR (UNIV. OPTION)			TOP
	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	GUIDE CURVE			TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	328	us/m	TOP
	TAPER - RIGHT END	623	us/m	TOP

ACOUSTIC QUALITY CONTROL

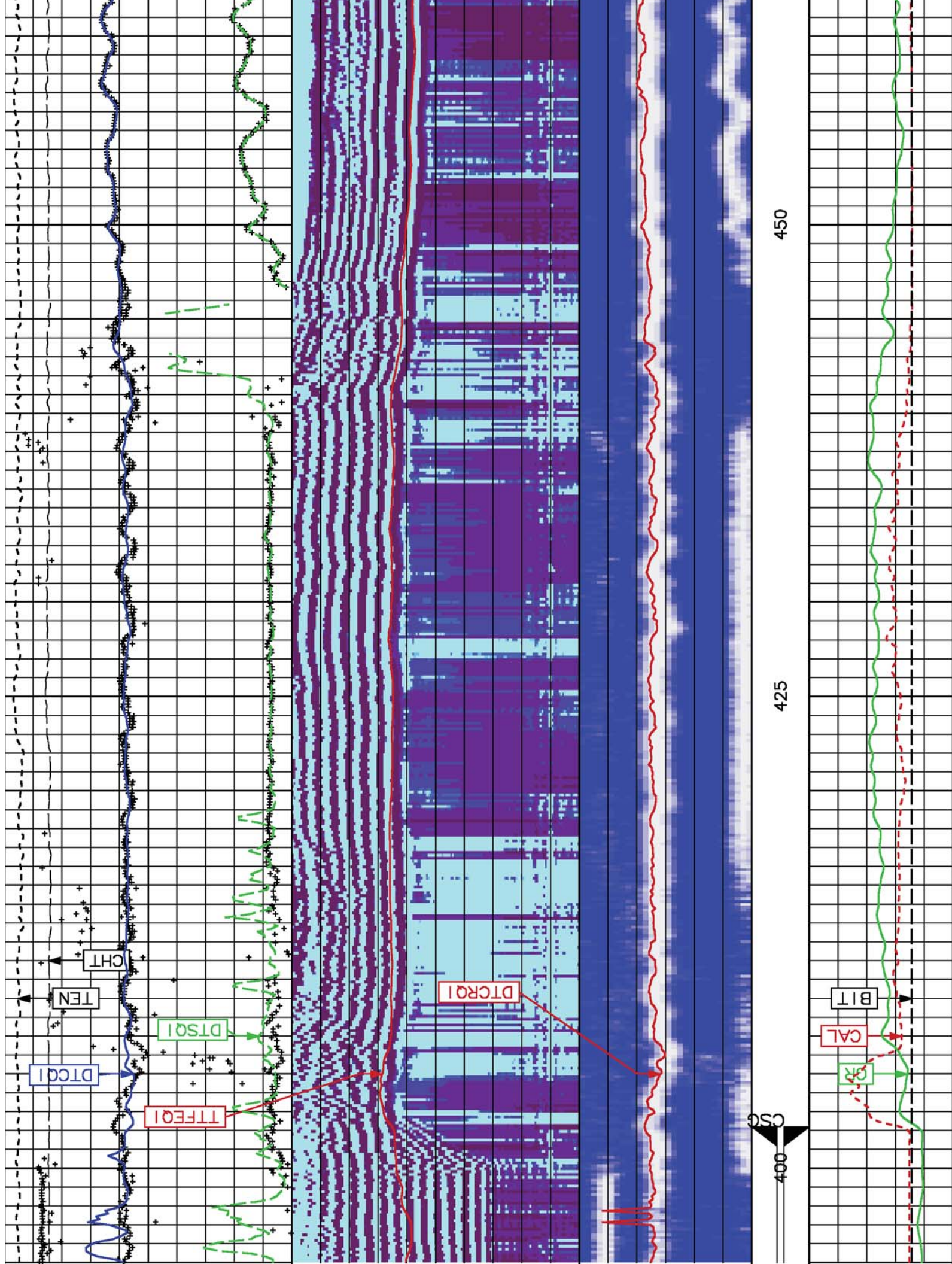
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC DIFF TEN LIMIT	DIFF TENSION LIMIT	227	kgf	TOP

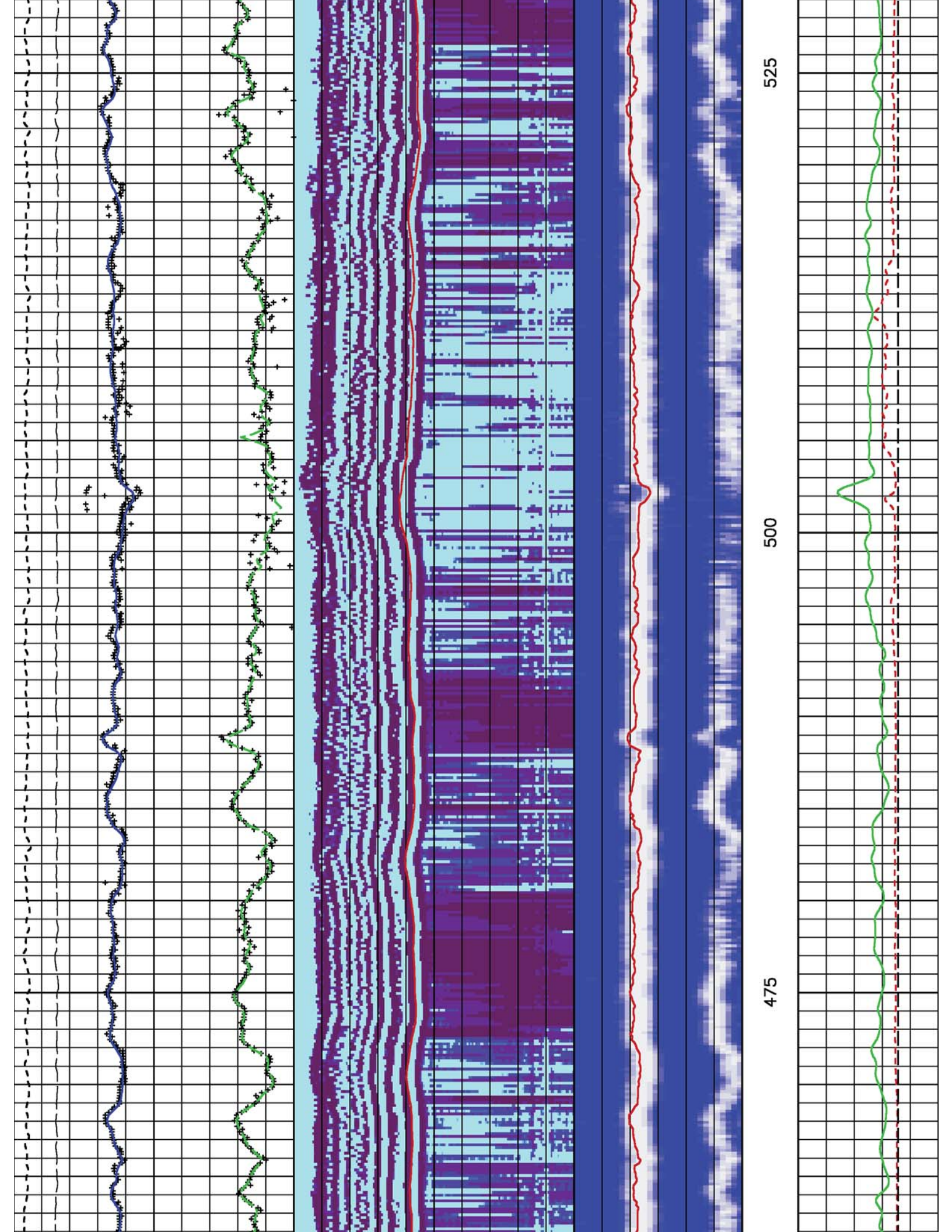
ACOUSTIC WAVEFORM FILTER

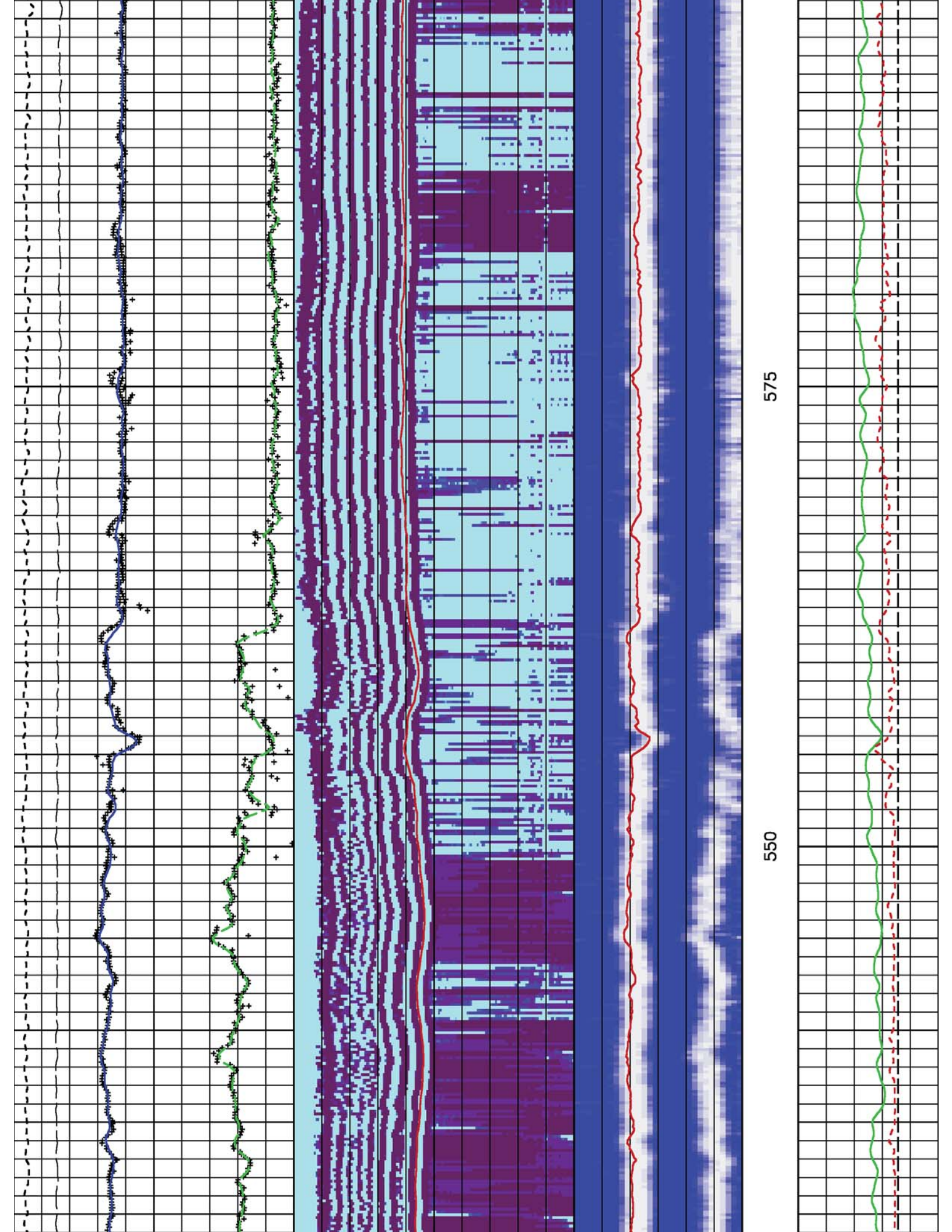
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
				TOP
				TOP

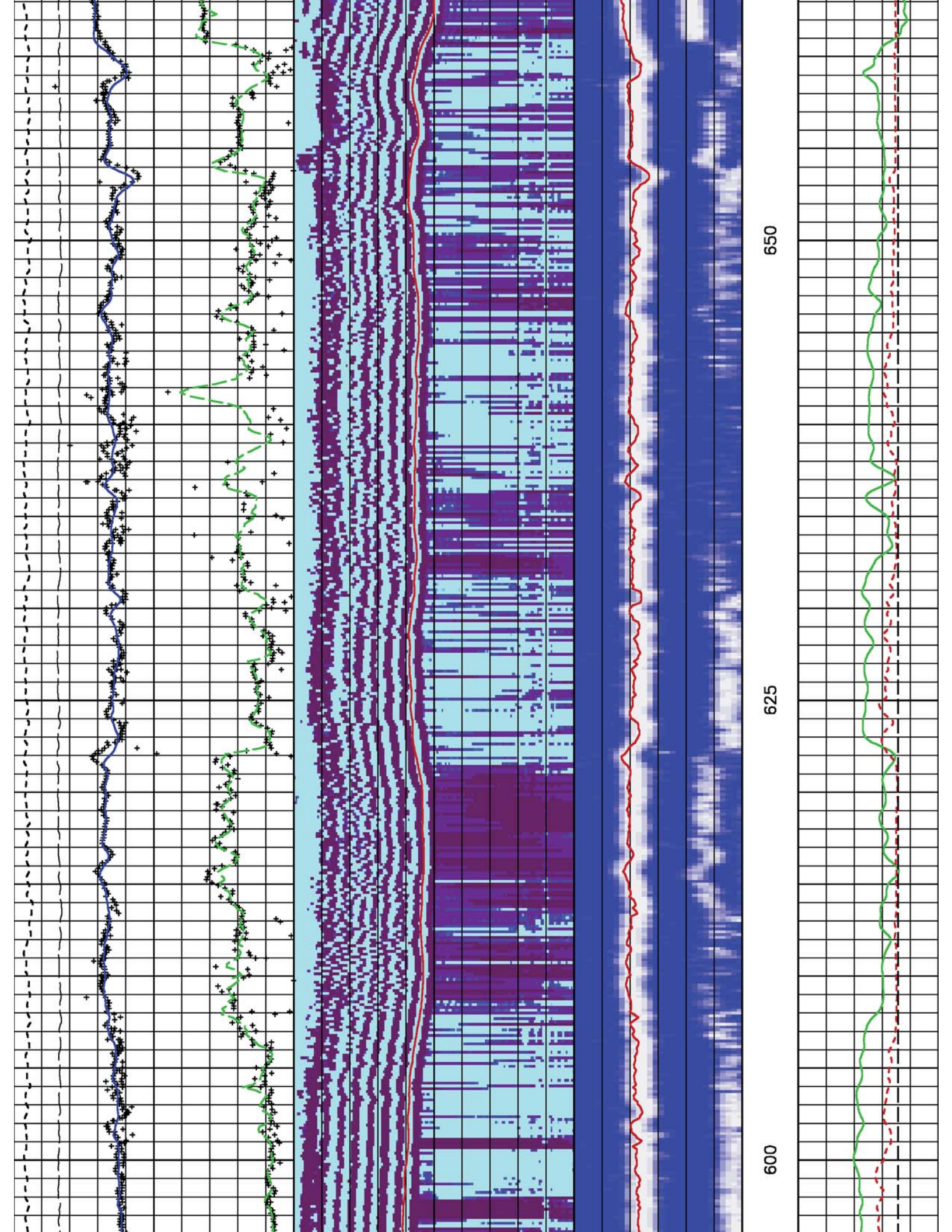
MEASUREMENT TYPE								PARAMETER	VALUE	UNITS	INTERVAL (m)
ACoustic QUALITY CONTROL											
MONOPOLE SHEAR	FLOOR (UNIV. OPTION)	0.050	us/m	TOP	1913.290	BOTTOM	1913.572				
	FORMATION TYPE	GENERIC (MEDIUM)		TOP	1913.763	BOTTOM	1913.001				
	DO NOT USE GUIDE			TOP	1913.001	BOTTOM	1913.001				
	RESET TAPERS			TOP	1913.001	BOTTOM	1913.001				
	TAPER - LEFT END	375	us/m	TOP	1913.001	BOTTOM	1913.001				
	TAPER - RIGHT END	750	us/m	TOP	1913.001	BOTTOM	1913.001				
	700	us/m	TOP	1913.001	BOTTOM	1913.001					
	650	us/m	TOP	1913.001	BOTTOM	1913.001					
	700	us/m	TOP	1913.001	BOTTOM	1913.001					
	800	us/m	TOP	1913.001	BOTTOM	1913.001					
MONOPOLE COMPRESSIONAL	TAPER - LEFT END	150	us/m	TOP	1422.044	BOTTOM	1422.044				
	TAPER - RIGHT END	90	us/m	TOP	1422.044	BOTTOM	1422.044				
	450	us/m	TOP	1422.044	BOTTOM	1422.044					
	350	us/m	TOP	1422.044	BOTTOM	1422.044					
	450	us/m	TOP	1422.044	BOTTOM	1422.044					
	350	us/m	TOP	1422.044	BOTTOM	1422.044					
	450	us/m	TOP	1422.044	BOTTOM	1422.044					
	350	us/m	TOP	1422.044	BOTTOM	1422.044					
	450	us/m	TOP	1422.044	BOTTOM	1422.044					
	350	us/m	TOP	1422.044	BOTTOM	1422.044					
ACoustic AVAN CORRELATION											
ACoustic POROSITY	DTFLUID	623.36	us/m	TOP		BOTTOM					
ACoustic POROSITY											
X-Y COMBINED CALIPER PROCESSING	X-Y Caliper	Average		TOP	1818.475	BOTTOM	1818.475				
	BIT SIZE	222.000	mm	TOP	1818.475	BOTTOM	1818.475				
	BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (acbh*)		TOP	1818.475	BOTTOM	1818.475				
	BOREHOLE CORR DIAMETER	FIXED DIAMETER (acbh*)		TOP	1410.386	BOTTOM	1410.386				
BOREHOLE & CEMENT											
CHT TENSION GR	FILTER (1)	medium		TOP		BOTTOM					
	FILTER (1)	medium		TOP		BOTTOM					
	FILTER (1)	medium		TOP		BOTTOM					
SYMMETRIC FILTER											
FILE: /data/MGM/run2_oh/m980e07.prm LOGGING MODE: DEPTH TOP DEPTH: 353.008 m BOTTOM DEPTH: 1968.772 m											
PARAMETER AND FILTER SUMMARY REPORT											
GENERAL TCC PARAMETERS	AGC	ON		TOP		BOTTOM					
	SUBCYCLE LENGTH	50		TOP		BOTTOM					
	SUBSET	4		TOP		BOTTOM					
	STACK LEVEL	2		TOP		BOTTOM					
	DSP FILTER	ON		TOP		BOTTOM					
GENERAL MONOPOLE TCC PARAMETERS	AGC WINDOW	0	us	TOP		BOTTOM					
	SAMPLE PERIOD	16		TOP		BOTTOM					
	RX DELAY	0	us	TOP		BOTTOM					
ACoustic TCC CONTROL PARAMETERS											
WAVEFORM FILTER - FULLWAVE	SURFACE WAVE FILTER	ON		TOP		BOTTOM					
	LOW FREQ CUTOFF	7000	Hz	TOP		BOTTOM					
	HIGH FREQ CUTOFF	22000	Hz	TOP		BOTTOM					

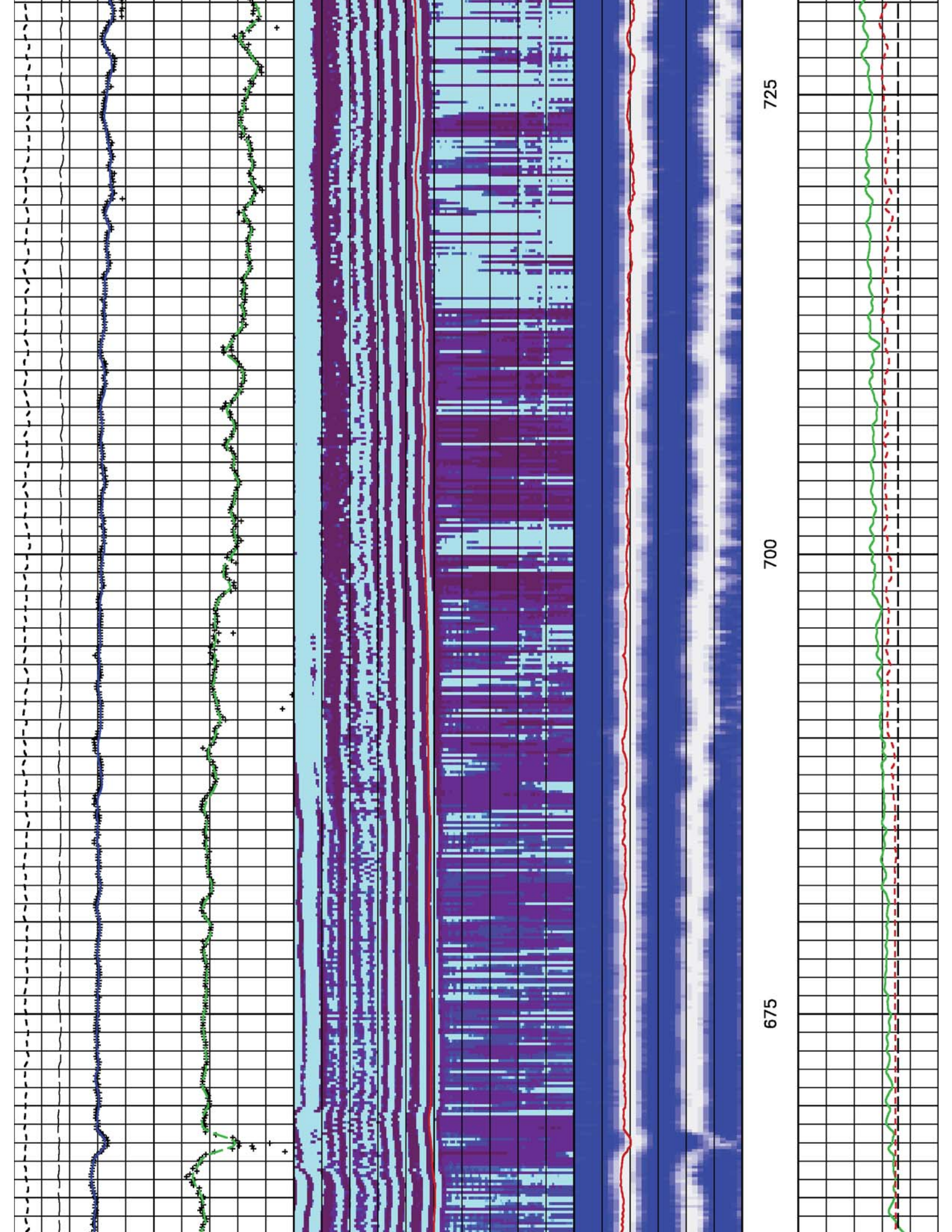
ACOUSTIC DIFF TEN LIMIT	DIFF TENSION LIMIT	ZZ/	kgf	TOP	BOTTOM
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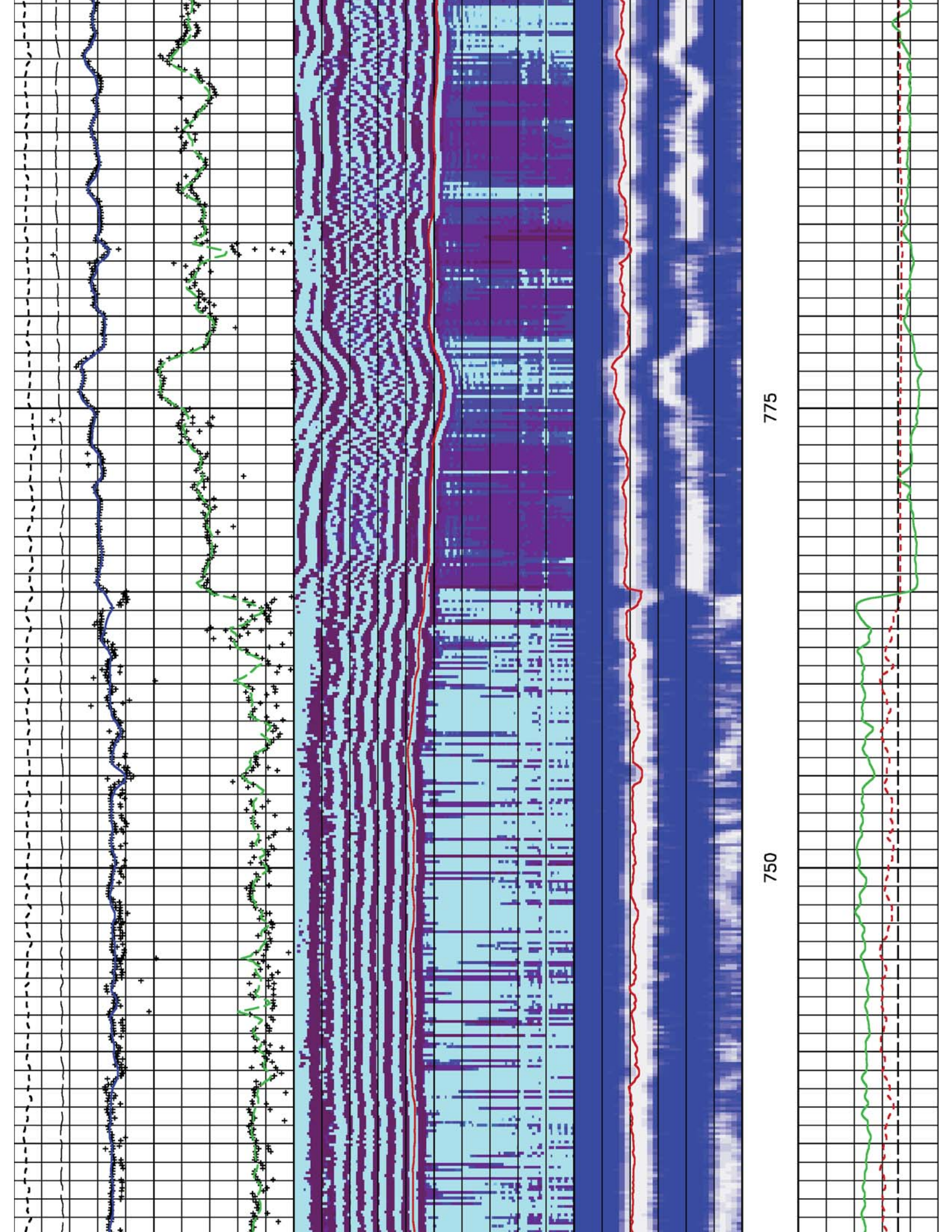






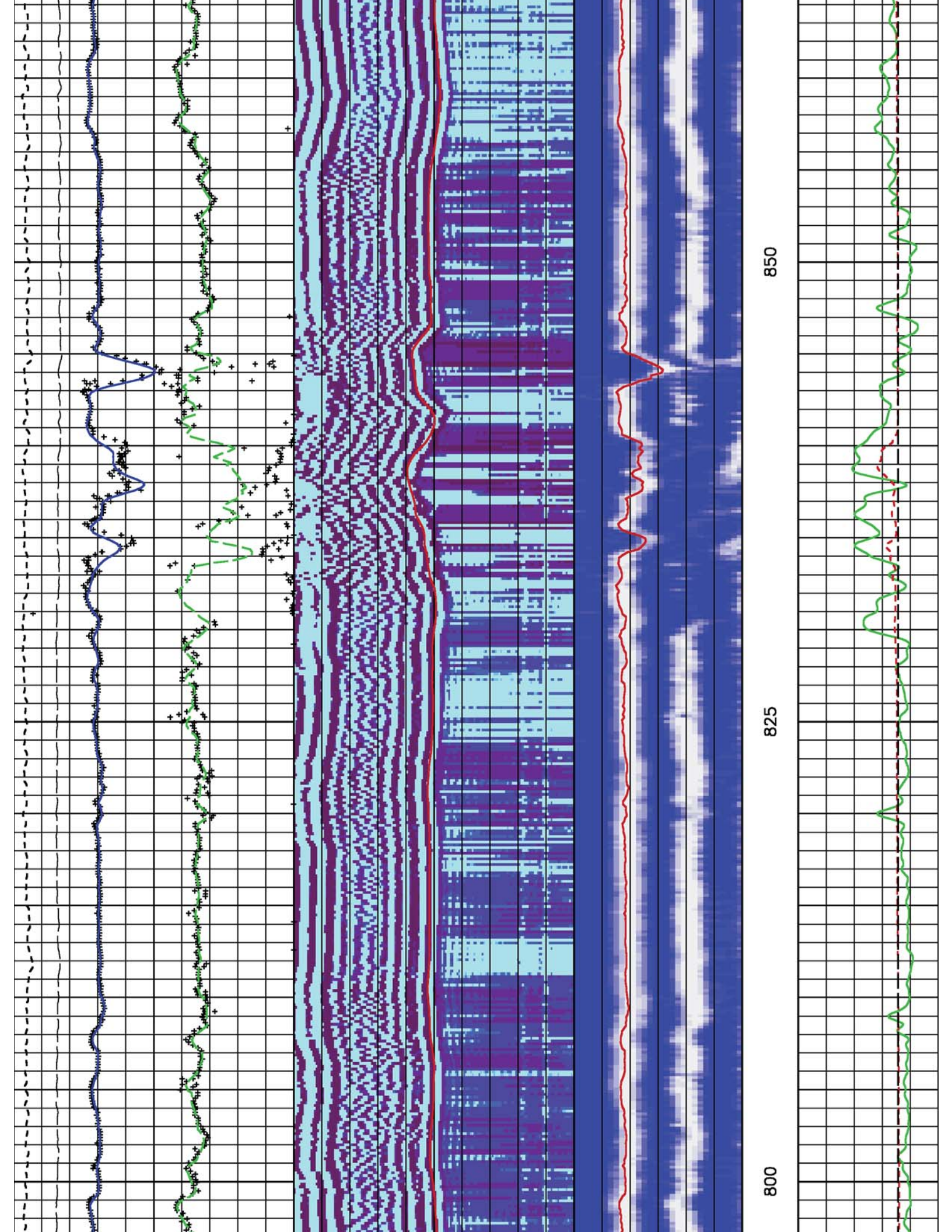


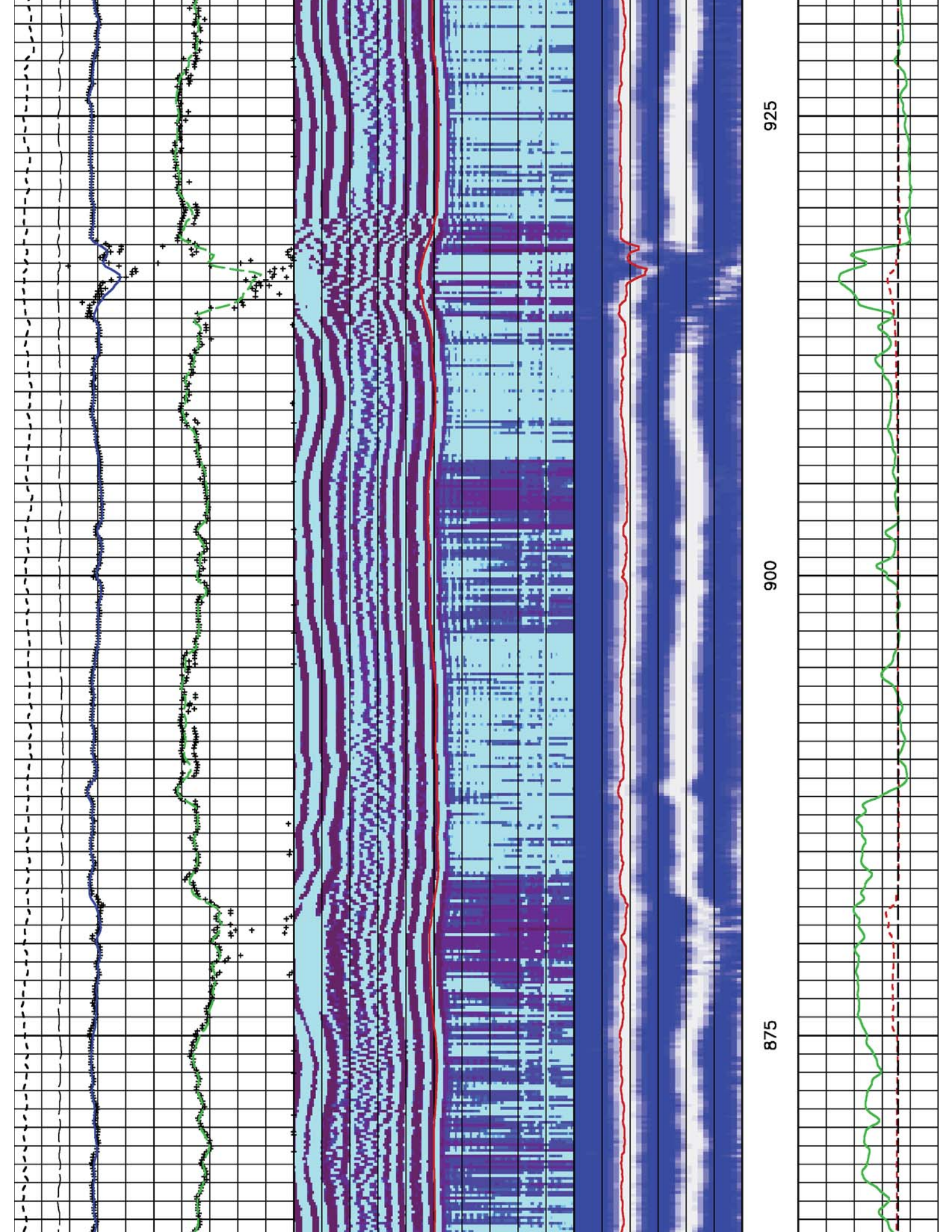


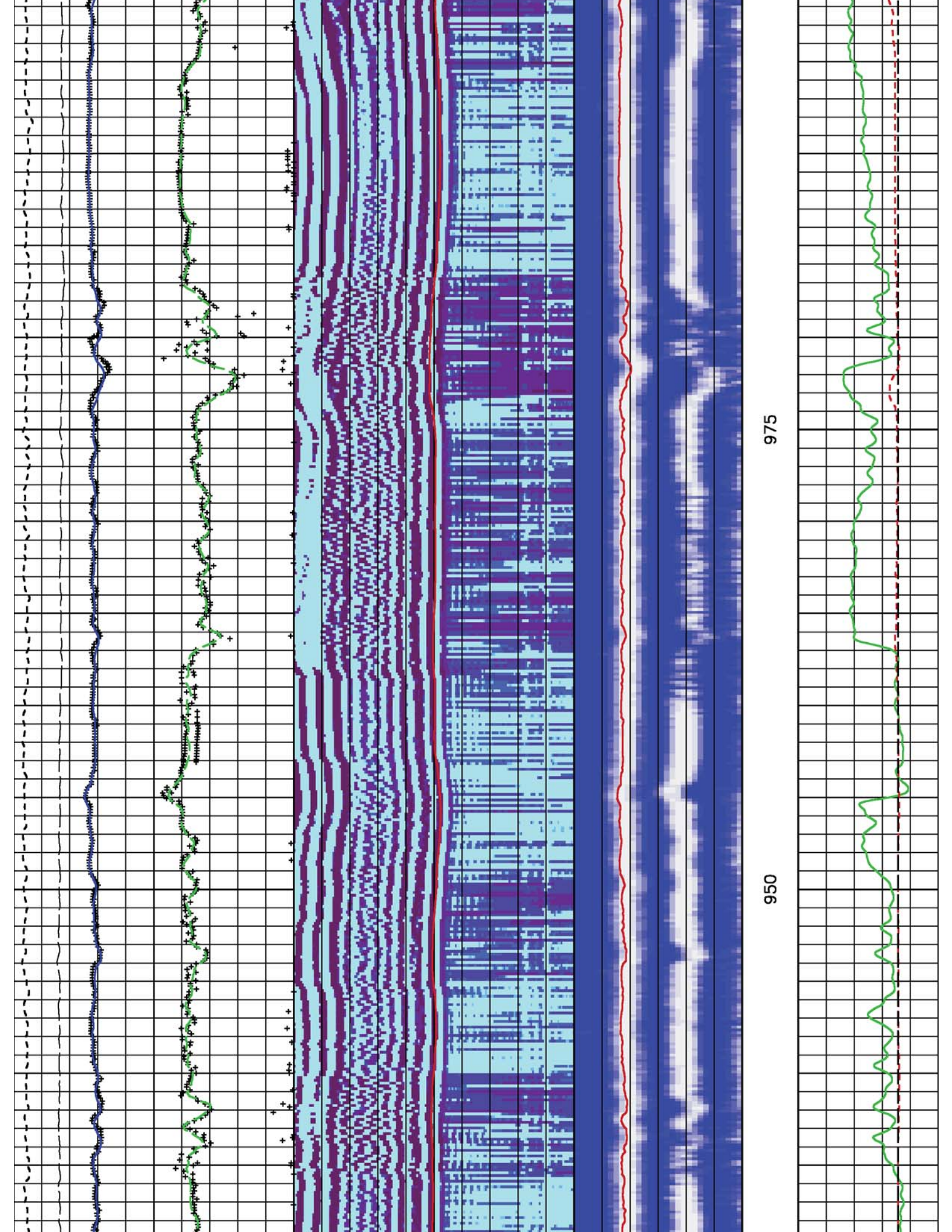


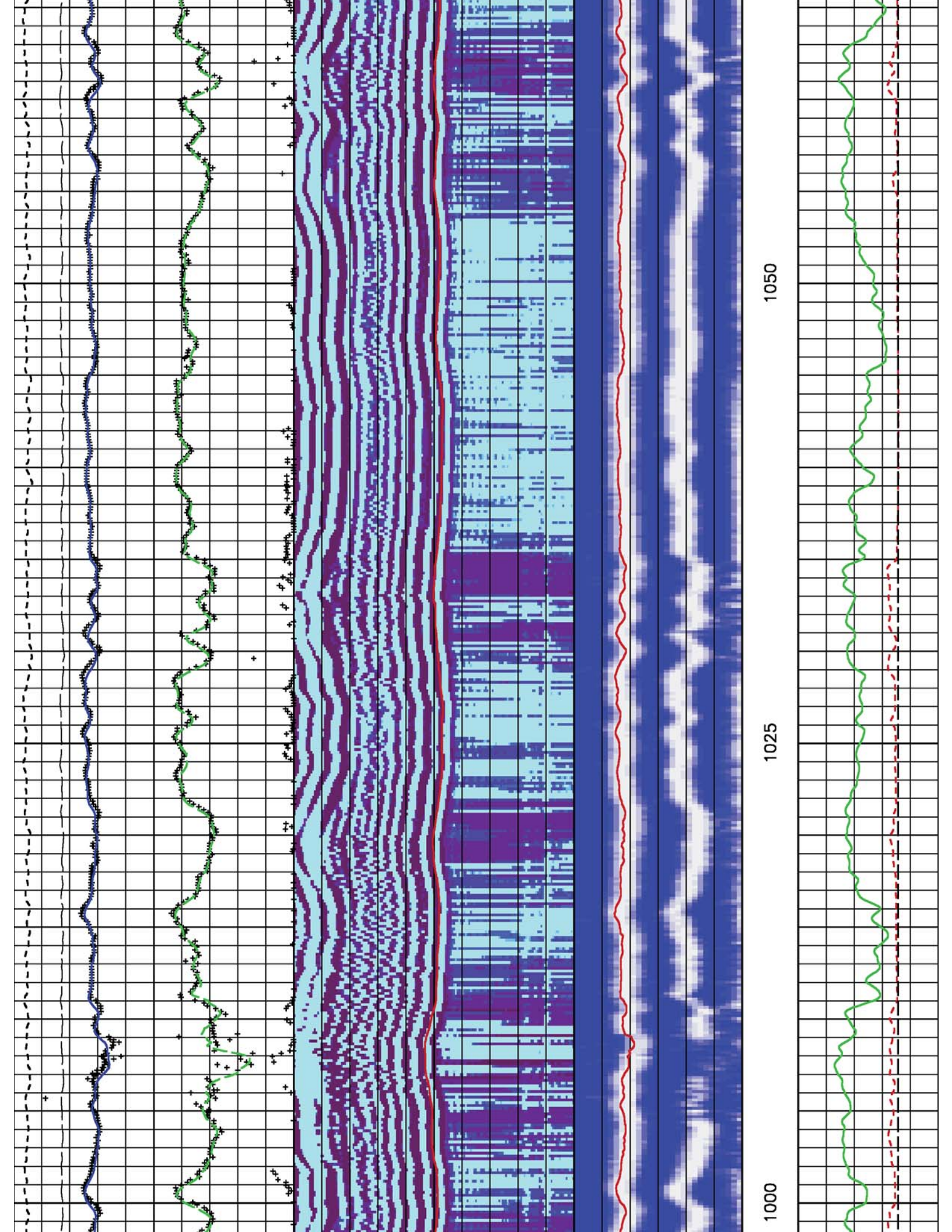
750

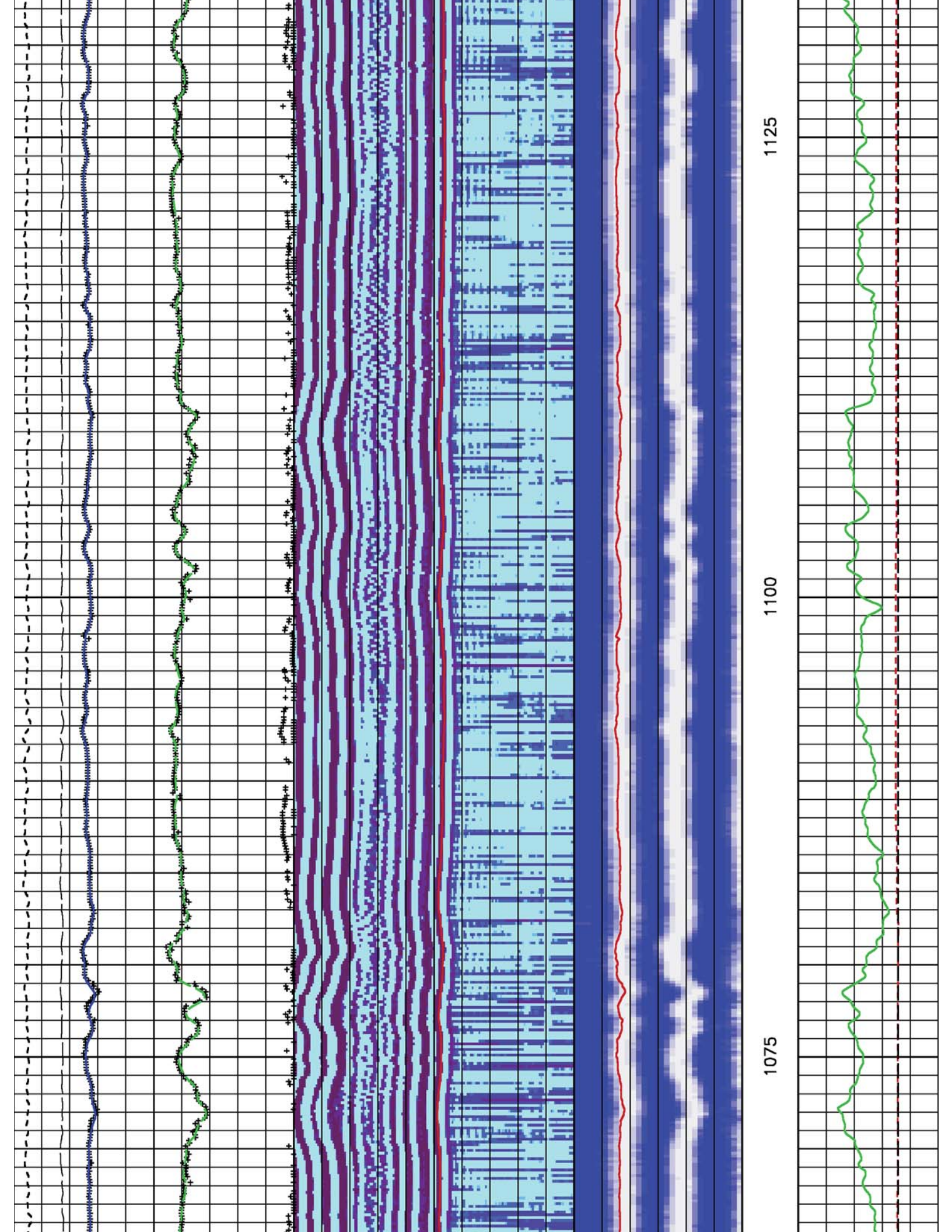
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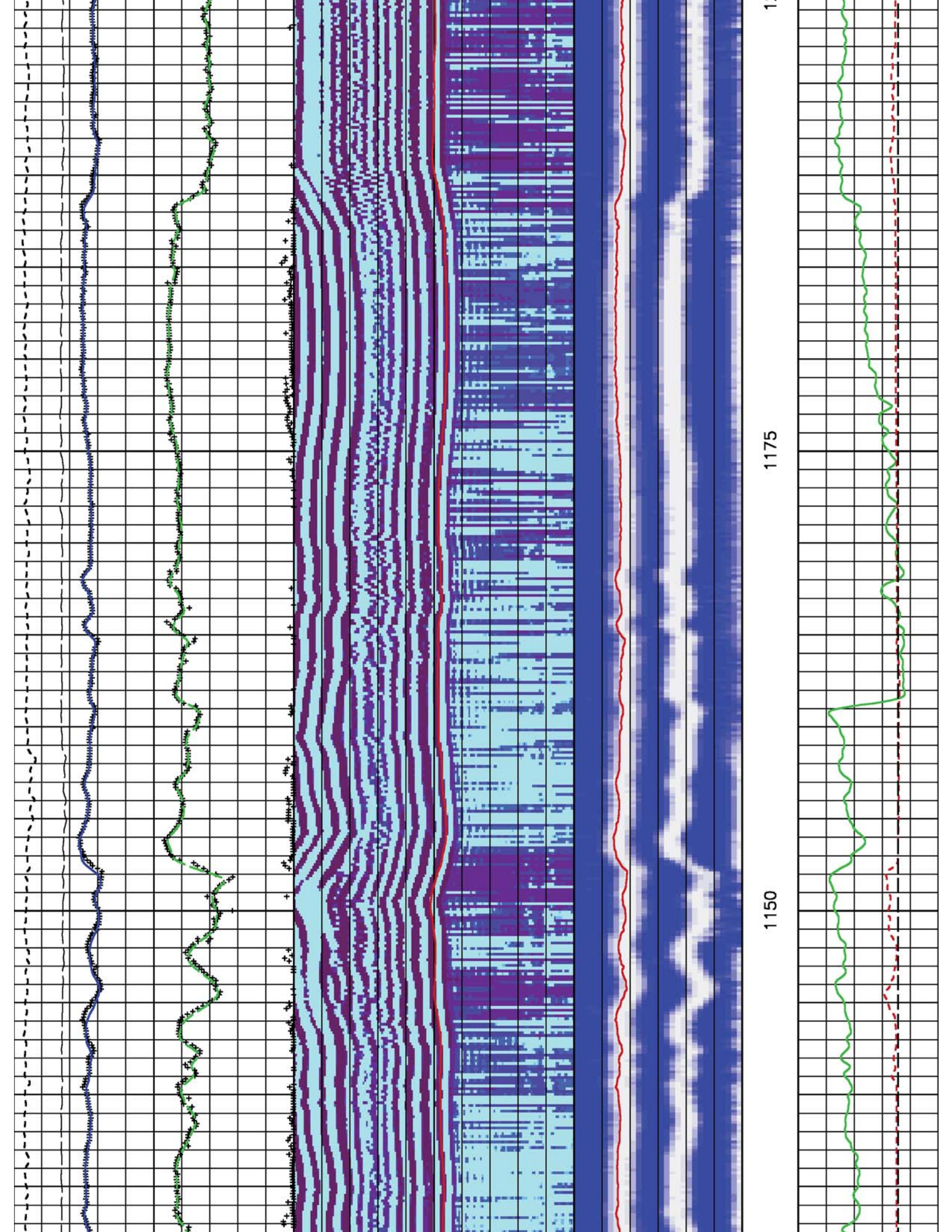


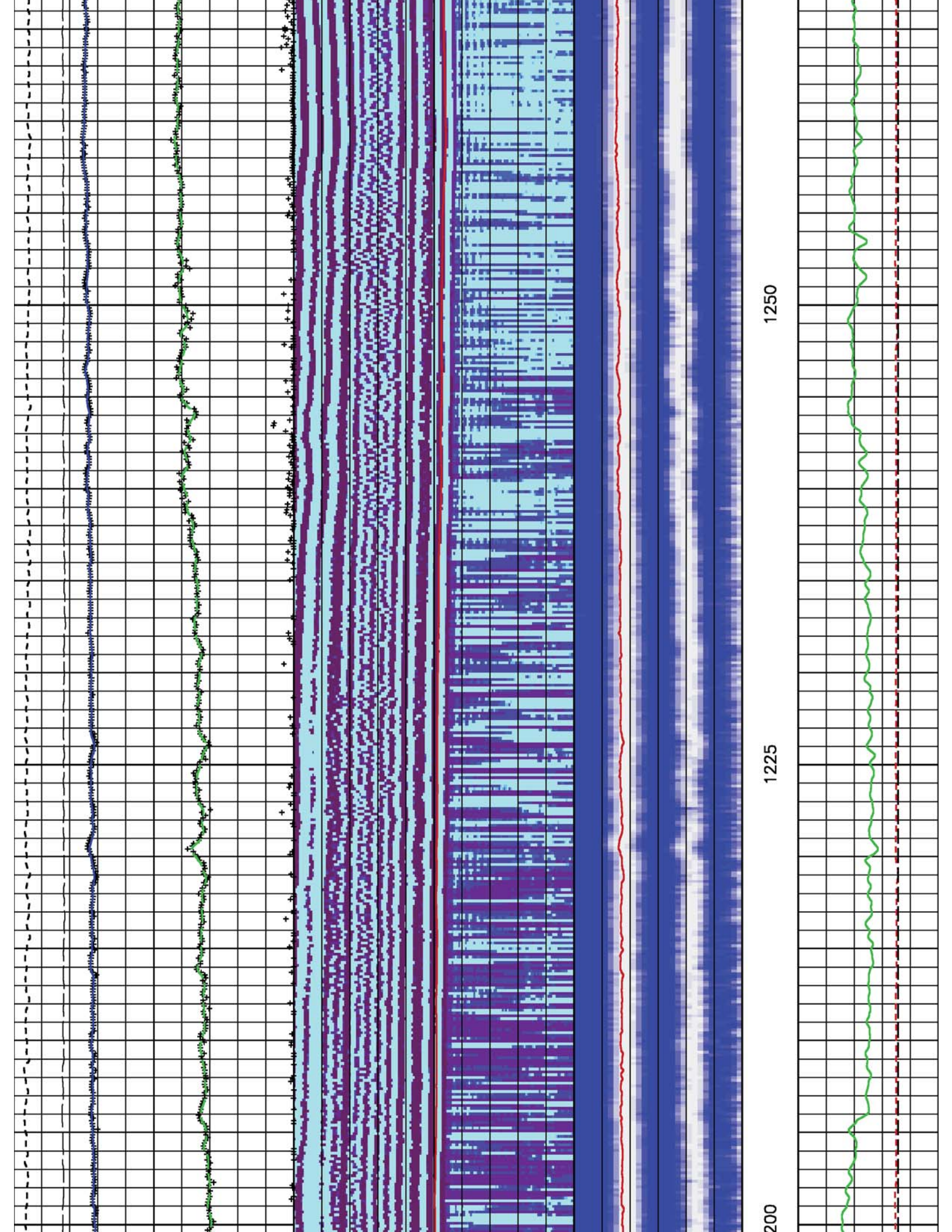


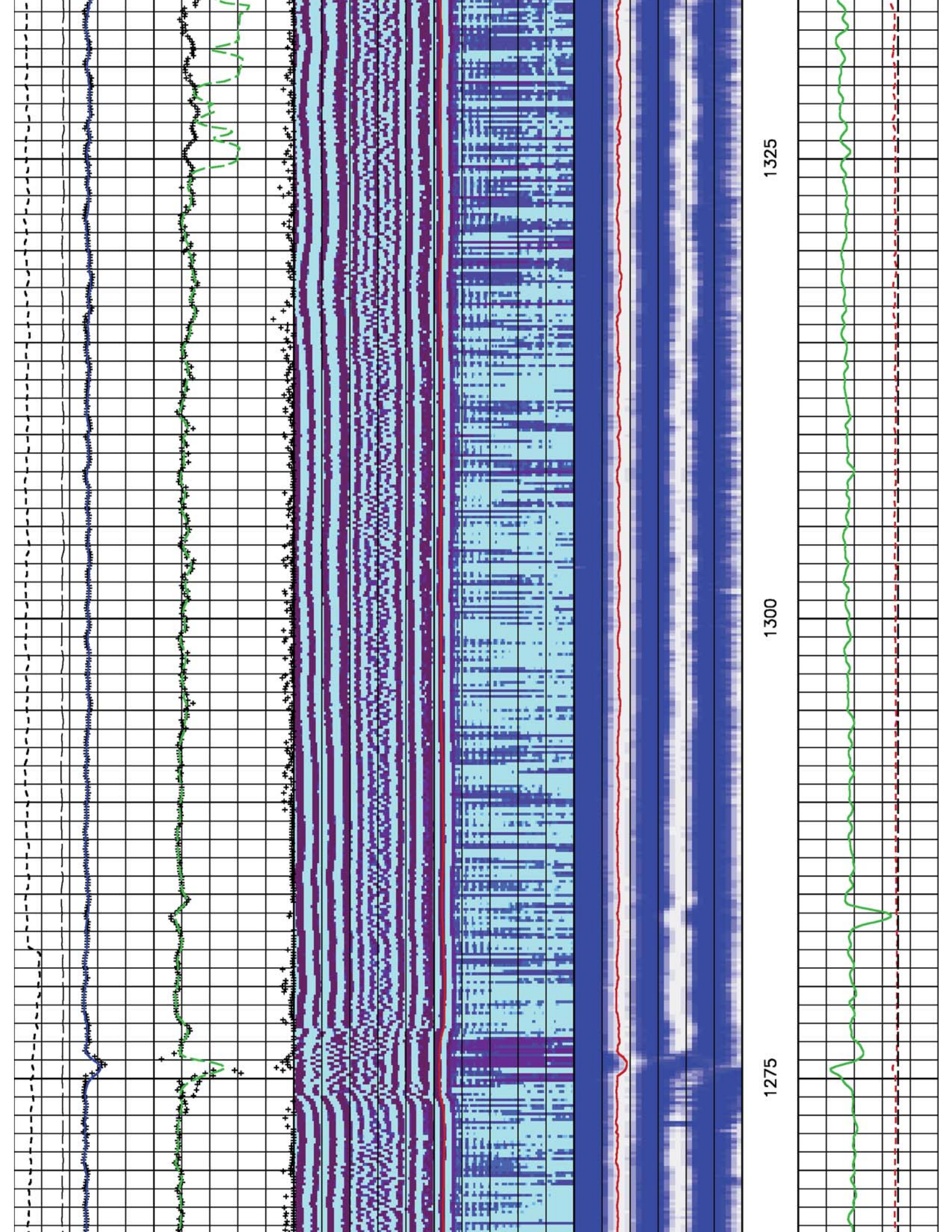


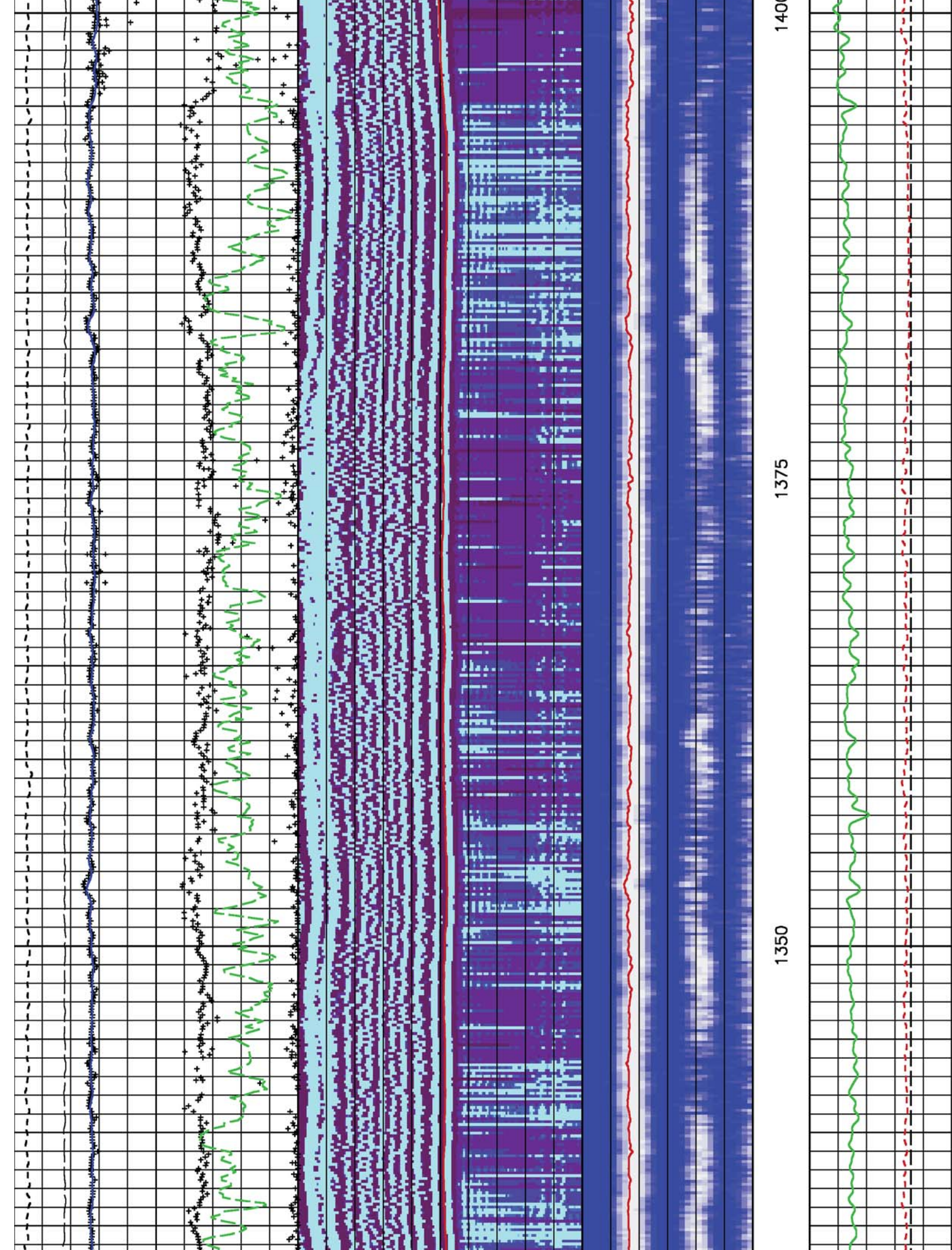


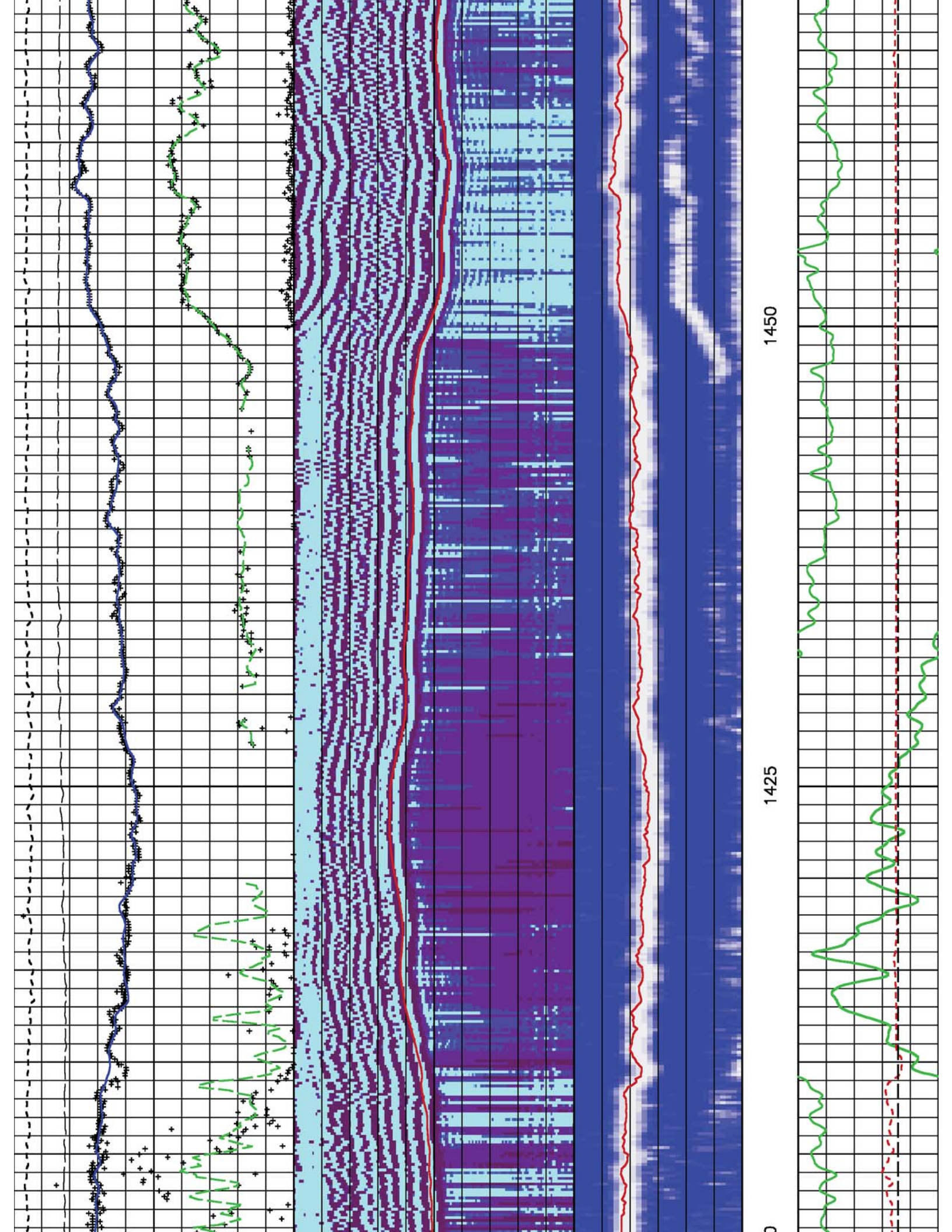


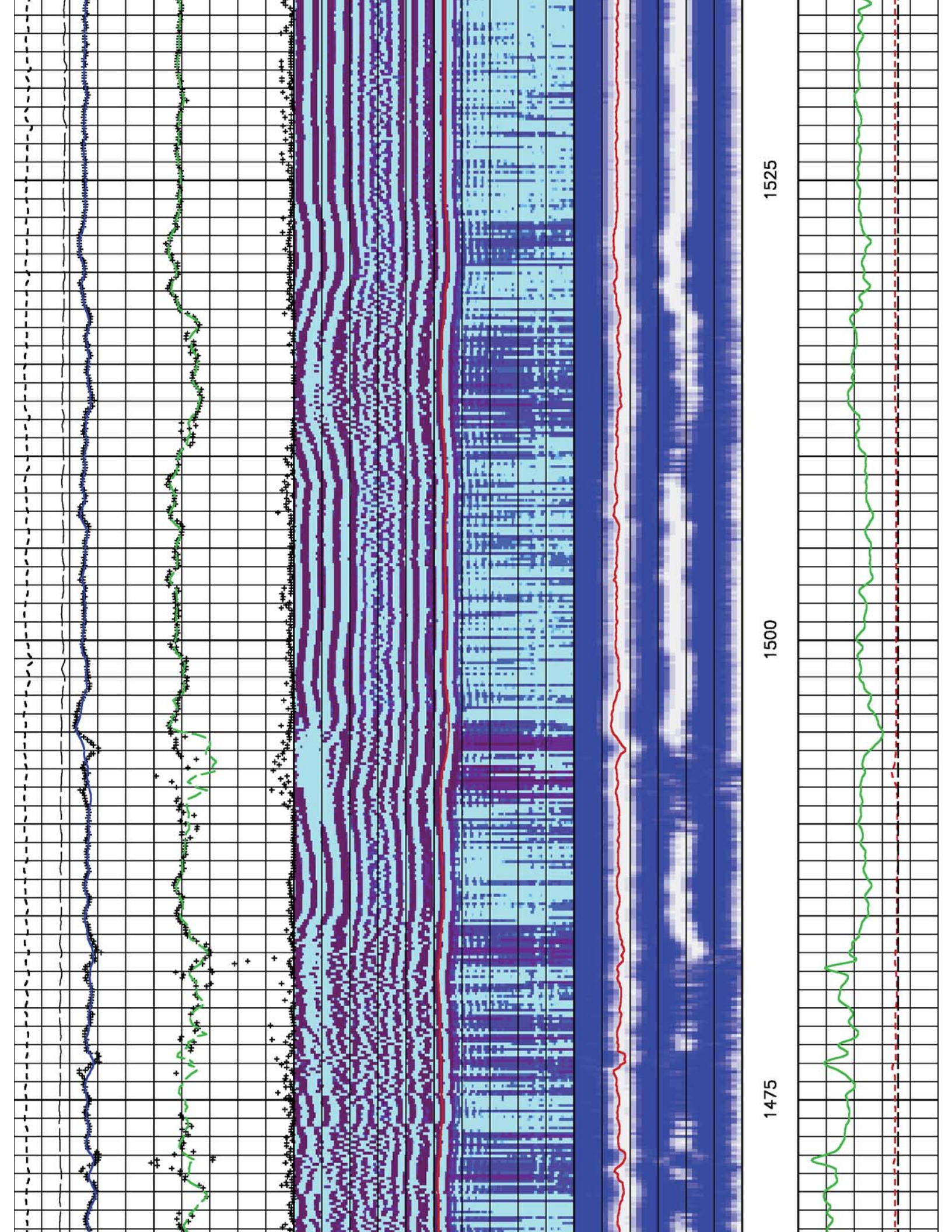


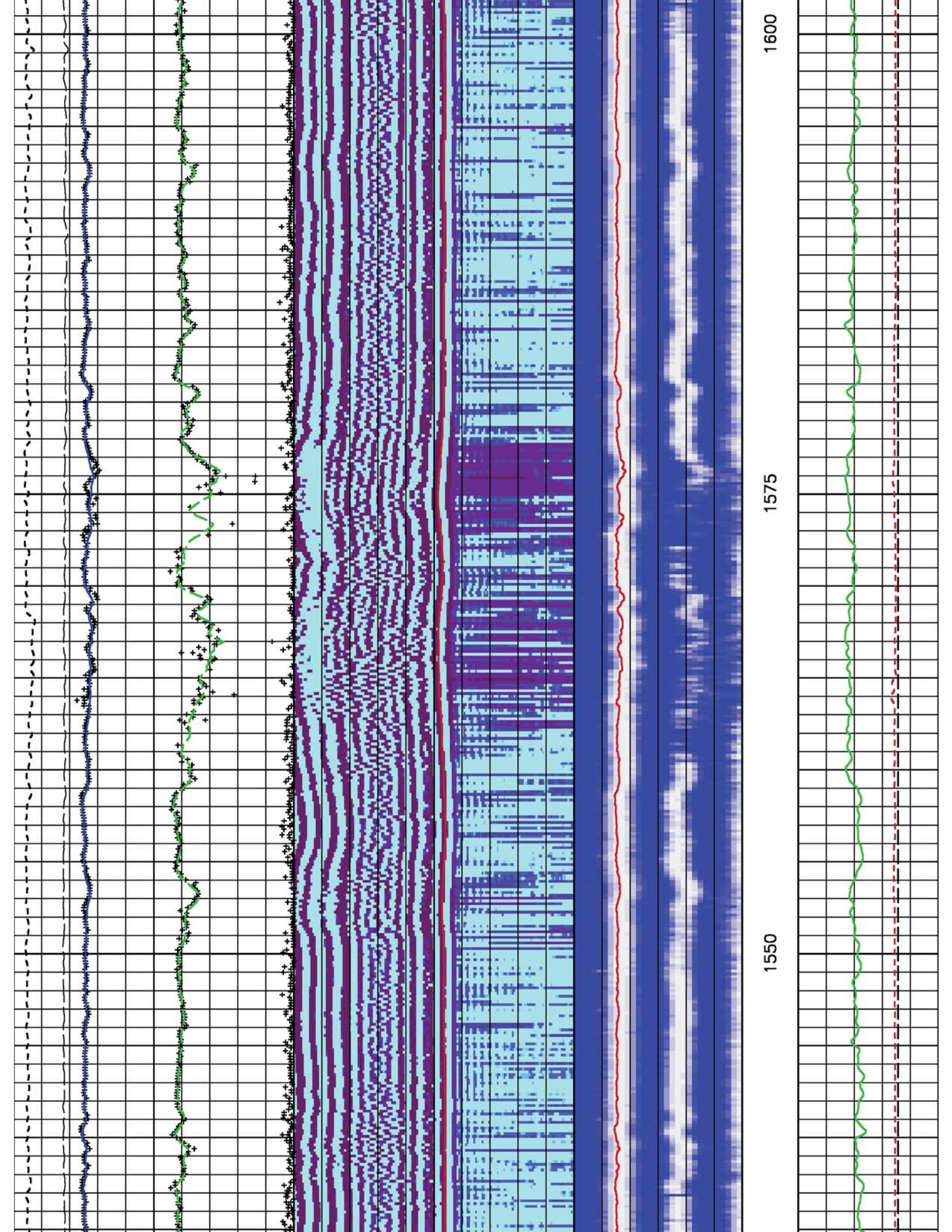


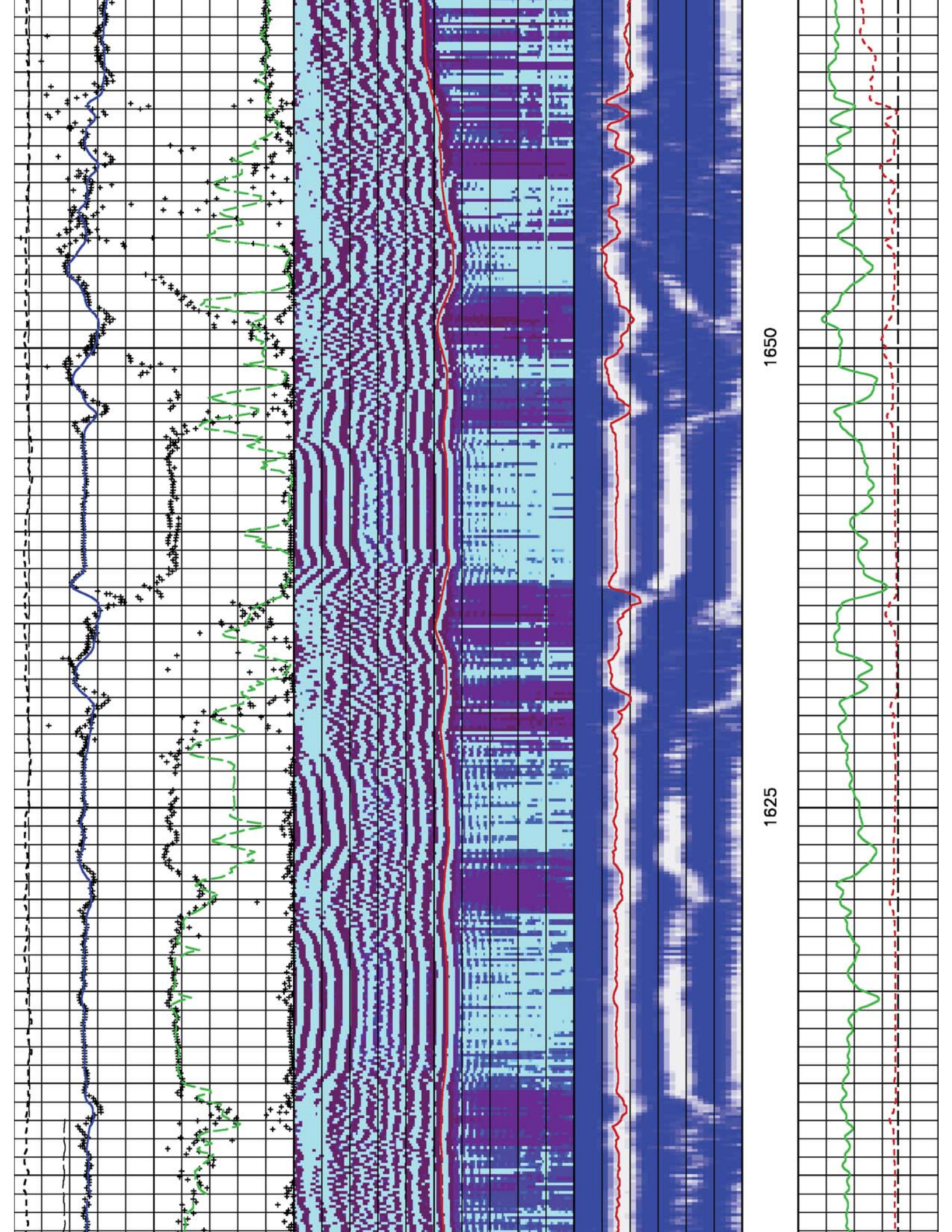


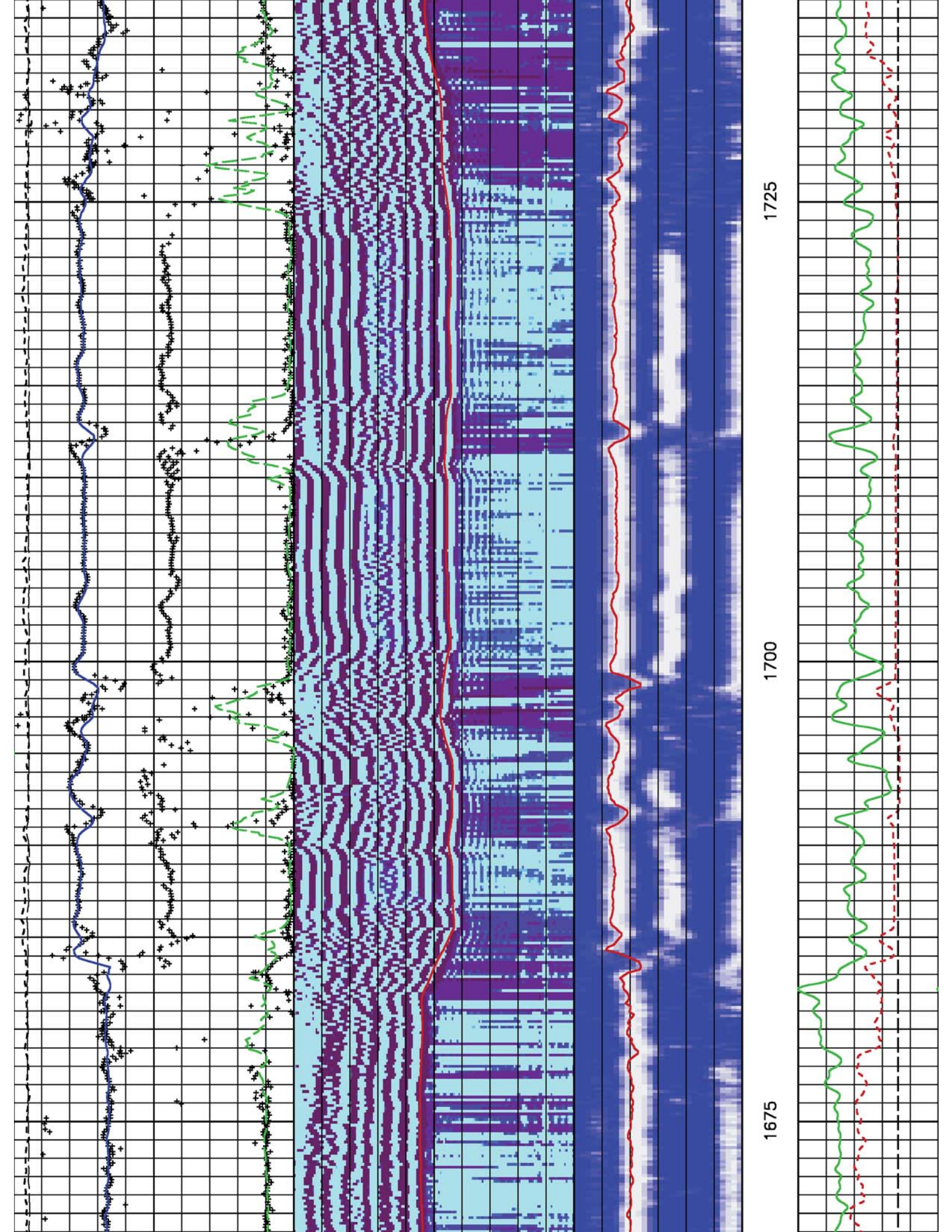


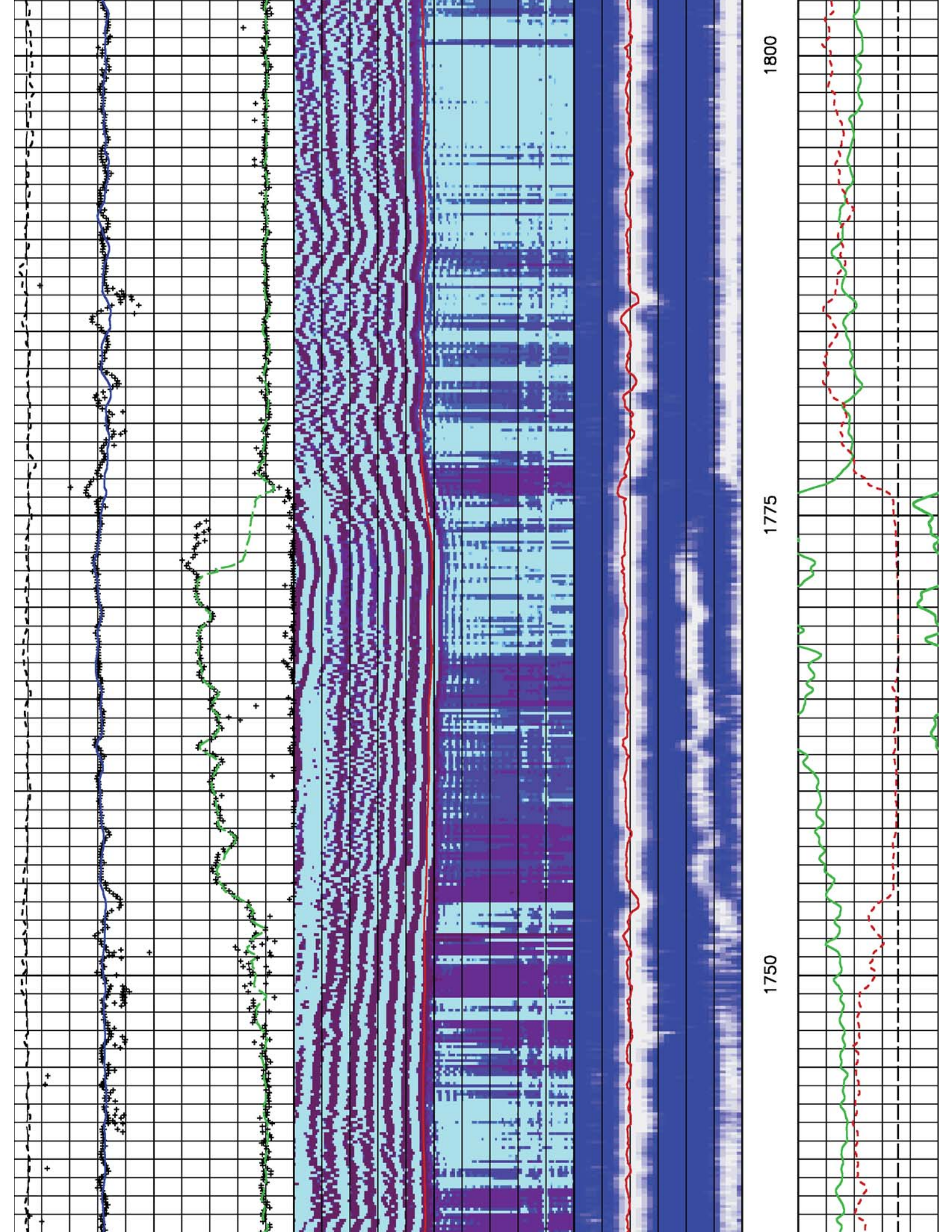


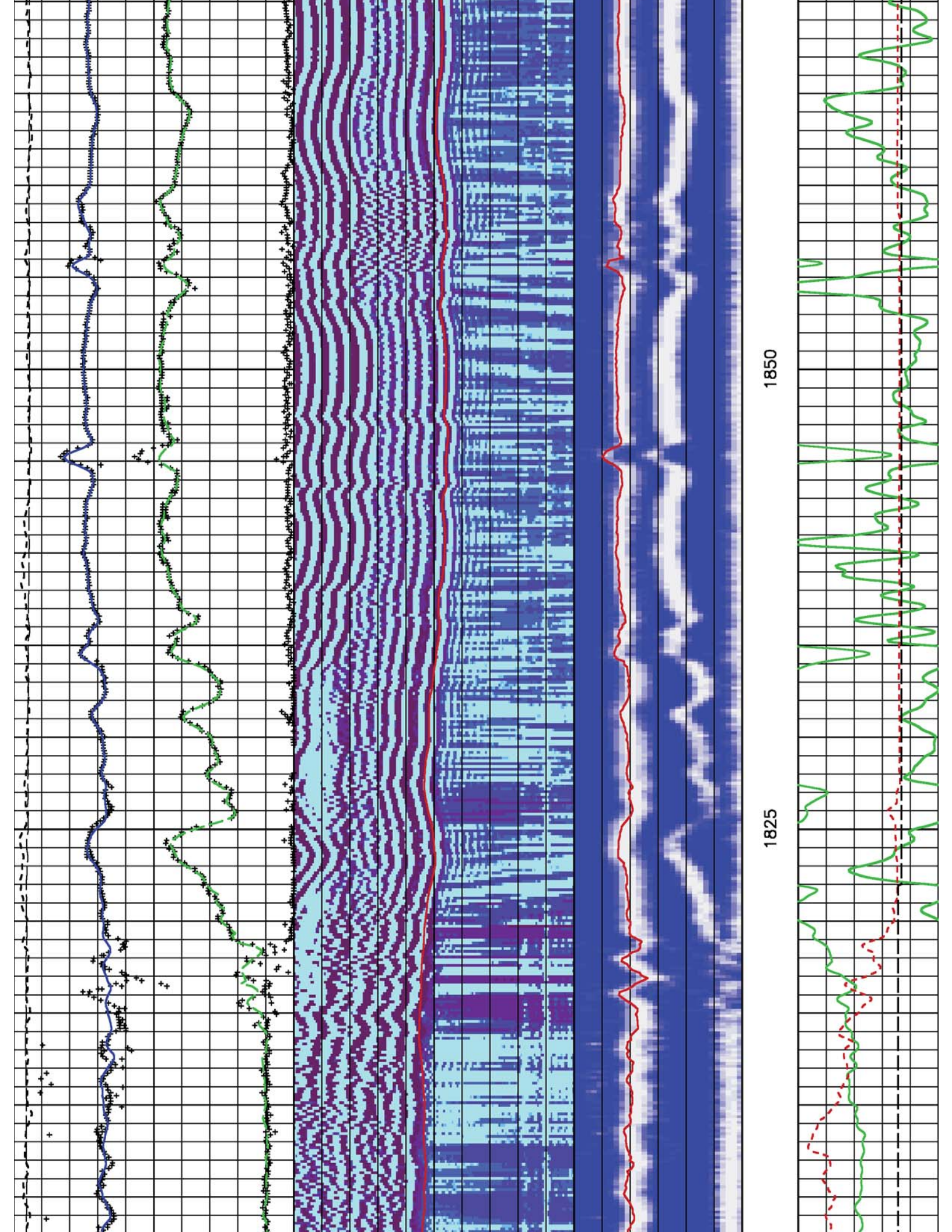


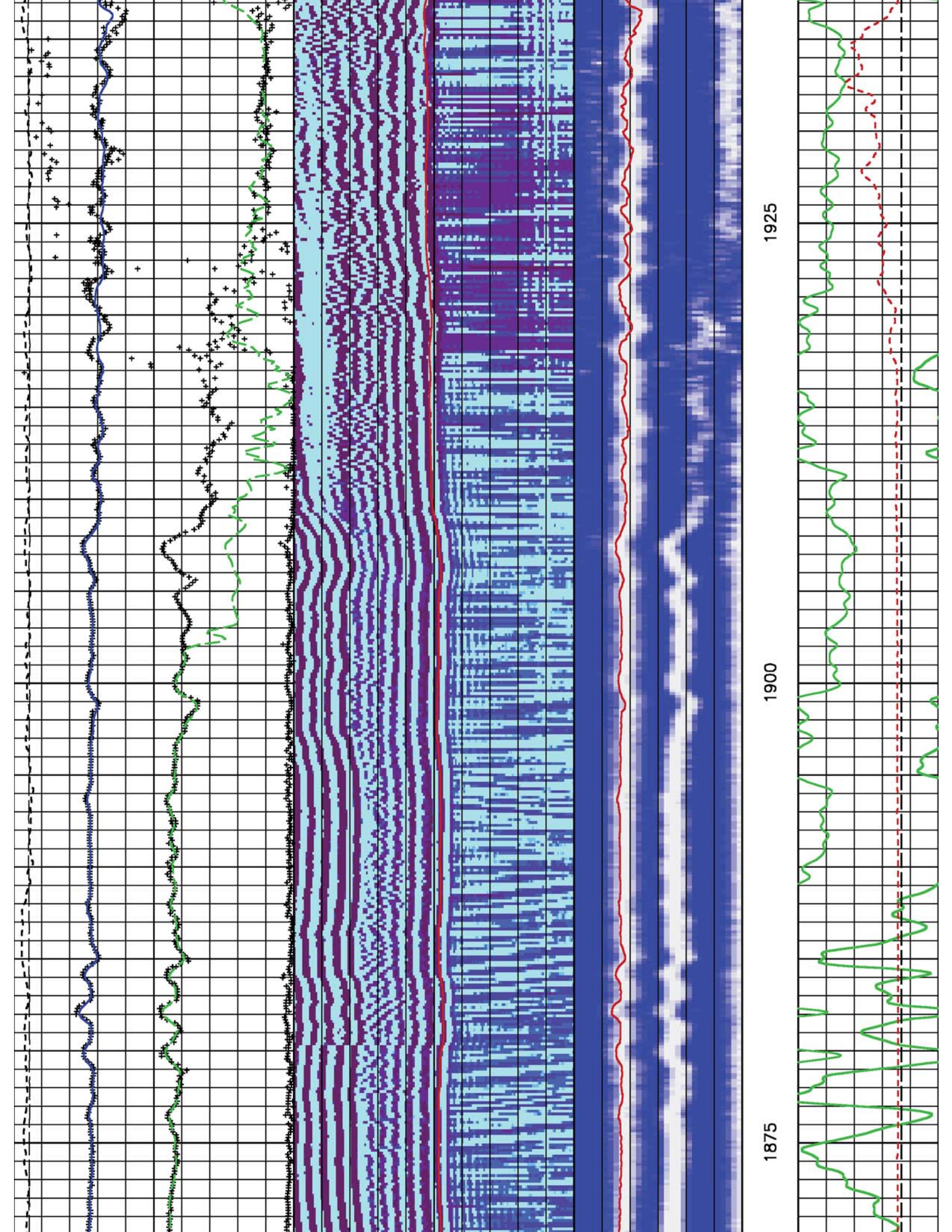


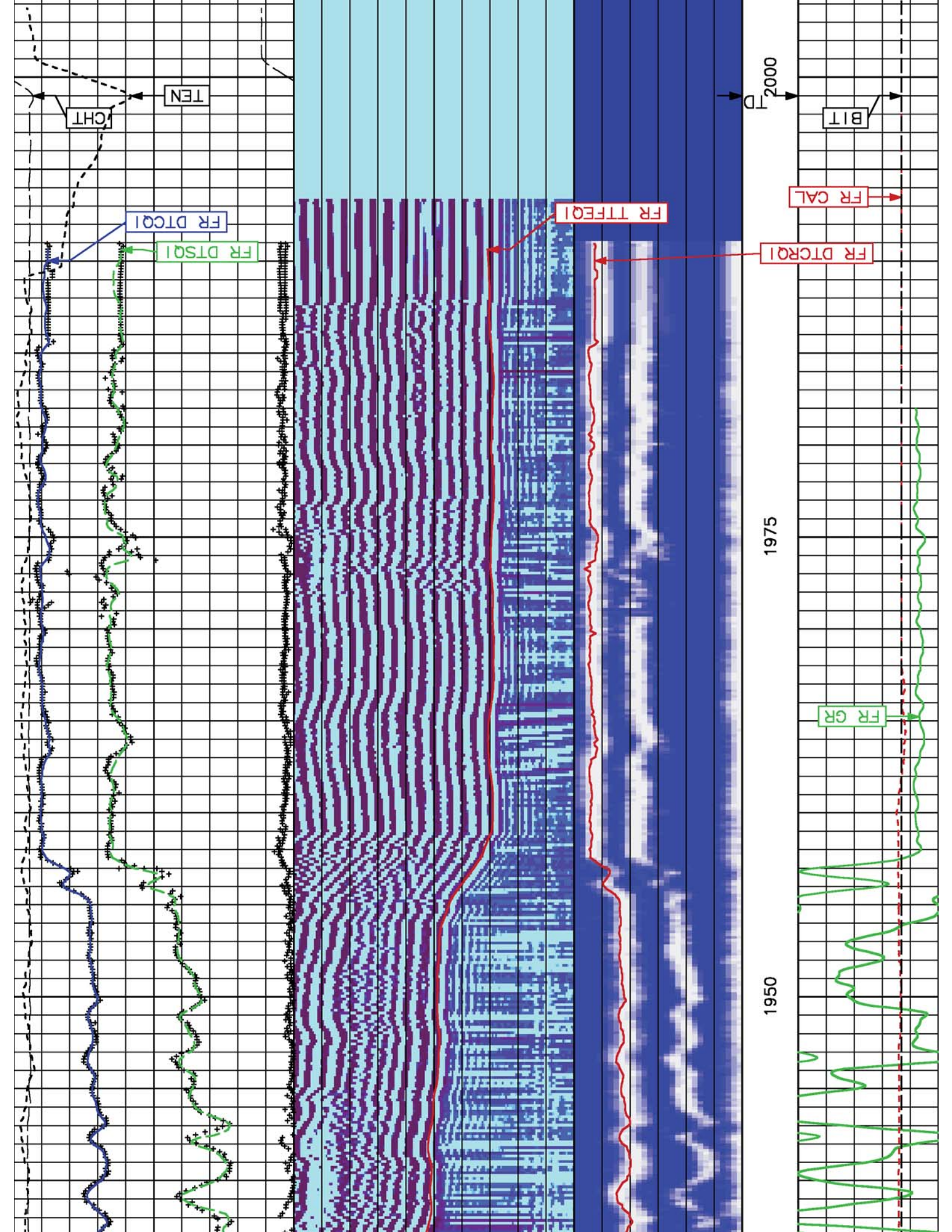






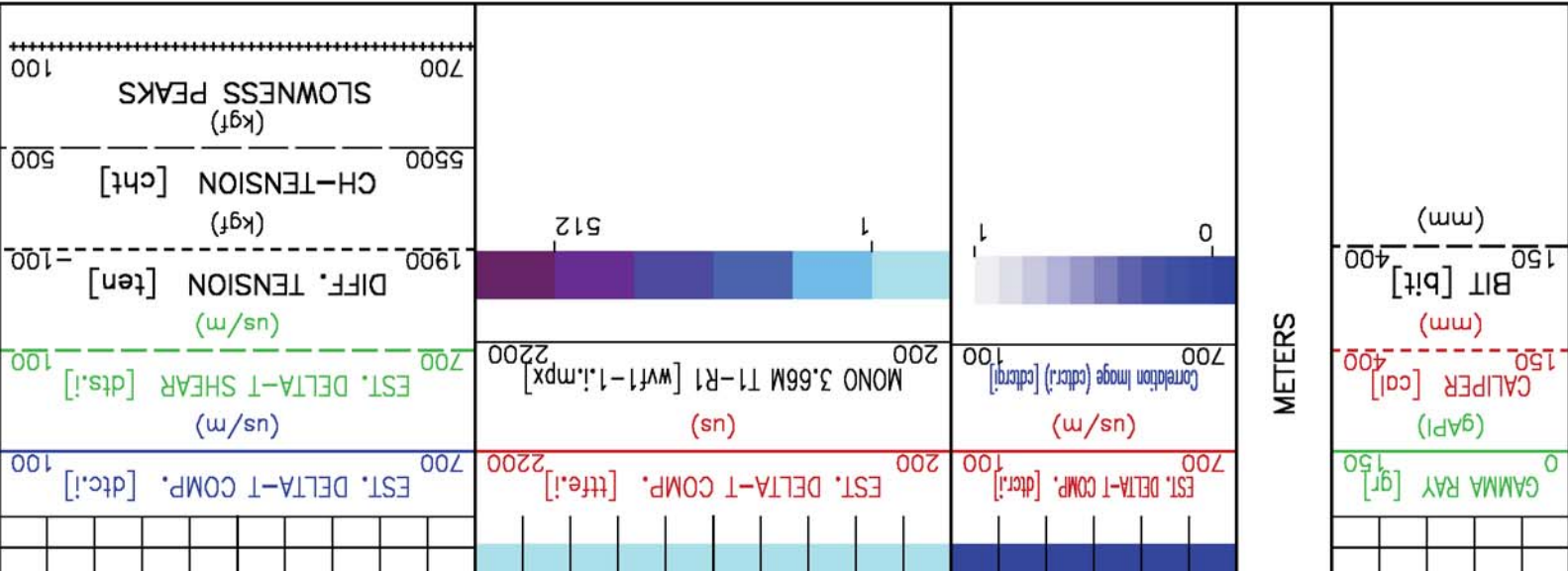






Source File: /data/MGM/run2_oh/m980g.tp2

CALIBRATION / VERIFICATION SUMMARY



ORIT TBM CHECK	89.9	1000.2	359.7	0.4	0.4	0.0
	(deg)	(mg)	(deg)	MEAS RB	RB OFFSET	ROTATED RB
			2.5			
		1010.0	357.5			
XMAC-F1 ORIENT		990.0				

TOOL # : 1678MC 10386815	DATE/TIME PERFORMED: Sun Jan 6 11:29:56 2013	UNIT # : 5753XB 10108816	ORIENTATION # : 4401XB 12466129
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XMACE_OR PRIMARY CALIBRATION SUMMARY

GR	38.51	969.00	0.170	6.55	164.76	158.21	141.79	161.79
	(cts/s)	(cts/s)		(gAPI)	(gAPI)	(gAPI)		
BACKGROUND CALBTR ON	MULT	BACKGROUND CALBTR ON	DIFF.					

UNIT # : 3815SA 008672	VERI JIG # : 4702NK DA-477
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COMPANY		WELL		FIELD		PROVINCE		LOCATION:		LAT 64.795 N		LONG 125.722 W		DATE 17-FEB-2013	
MGM ENERGY CORP		MGM SHELL EAST MACKAY I-78		EAST MACKAY		NORTHWEST TERRITORIES		ELEVATIONS:		KB 161.20 M		DF		GL 155.00 M	
FILE NO:		API NO:		UID:		3001786450125 30		LICENSE:		1202					