



Baker Atlas

FILE NO:	COMPANY	VULCAN MINERALS INC.
API NO:	WELL	VULCAN INVESTCAN
	FIELD	ROBINSON #1
	PROVINCE	NEWFOUNDLAND AND LABRADOR
Ver. 3.87	LOCATION:	OTHER SERVICES HDIL-GR-CAL XMAC-ORIT-GR COMP CVL
	LAT 48.231	LONG 58.118
PERMANENT DATUM	G.L.	ELEVATION 169.000 M
LOG MEASURED FROM	K.B.	6.300 M ABOVE P.D.
DRILL MEAS. FROM	KELLY BUSHING	ELEVATIONS: KB 175.300 M DF GL 169.000 M

DATE	TRIP	16-AUG-2009		
RUN	1	1		
SERVICE ORDER	CA209231			
DEPTH DRILLER	2063.5 M			
DEPTH LOGGER	2055.6 M			
BOTTOM LOGGED INTERVAL	2050.1 M			
TOP LOGGED INTERVAL	825.2 M			
CASING DRILLER	339.7 MM	829.0 M		
CASING LOGGER	825.2 M			
BIT SIZE	311.0 MM			
TYPE OF FLUID IN HOLE	POLYMER			
DENSITY	1080.0 G/L	90.0 S		
PH	11.0	8.3 ML		
SOURCE OF SAMPLE	MEASURED			
RM AT MEAS. TEMP.	0.213 OHMM	43.9 DEGC		
RMF AT MEAS. TEMP.	0.181 OHMM	43.9 DEGC		
RMC AT MEAS. TEMP.	0.255 OHMM	43.9 DEGC		
SOURCE OF RMF	MEASURED	MEASURED		
RM AT BHT	0.202 OHMM	45.8 DEGC		
TIME SINCE CIRCULATION	8.3 HOURS			
MAX. RECORDED TEMP.	45.8 DEGC			
EQUIP. NO.	EG558	NISKU OH		
RECORDED BY	S.CREWE			
WITNESSED BY	M.SMITH			

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.

BOREHOLE RECORD		
BIT SIZE	FROM	TO
445.0 MM	0.0 M	829.0 M
311.0 MM	829.0 M	2063.5 M

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
340.0 MM	91.0 KG/M	K-55	0.0 M	829.0 M

REMARKS	
RUN 1 TRIP 1 :	TIME STOPPED CIRCULATION: 15-AUG-2009 09:00 PM CNC IS CALIPER CORRECTED. CNC IS CORRECTED FOR 445.0 MM BIT SIZE BEHIND CASING FROM 825.2 M TO SURFACE CNC AND PORZ RECORDED AND PRESENTED IN SANDSTONE MATRIX 2.65G/CM3. RIG: STONEHAM RIG 11 CREW: S.CREWE, M.STROESSER, L.HICKS, J.ESCHNER

EQUIPMENT DATA				
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.
1	1	SUNNY	3044XC	10050038
				EDFC

1	1	SWIVEL	3944XC	10052938	FREE
1	1	TTMA SUB	3980XA	10129659	FREE
1	1	2-ARM CAL	4410XA	10137545	FREE
1	1	DBL KNJT	3931XA	10508297	FREE
1	1	COMM/POWER	3518FB	10364738	DECENTRALIZED
1	1	COMM/GR	3518EB	10340957	DECENTRALIZED
1	1	FOCUS CN	2436XA	10354054	DECENTRALIZED
1	1	FOCUS ZDEN	2223XA	10391896	PAD_DEVICE
1	1	DBL KNJT	3929XA	10411951	FREE
1	1	FOCUS HDIL	1530XA	10150749	STANDOFF

INSTRUMENT CONFIGURATION

Source File: /dat1a/pass/Vulcan/run1-tdg

FOCUS CABLEHEAD

Series : CABL318
Mnemonic : CBLH
Diameter : 7.9 cm
Weight : 6.8 kg

FOCUS SWIVEL

Series : 3950XA
Mnemonic : SWVL
Diameter : 8.0 cm

FOCUS TEN/TEMP/MUD RES/ACCEL

Series : 3980XA
Mnemonic : TTMA
Diameter : 8.0 cm
Weight : 27.7 kg
Length : 131.4 cm

FOCUS LONG AXIS CALIPER

Series : 4410XA
Mnemonic : 2CAL
Diameter : 8.0 cm
Weight : 36.8 kg
Length : 185.4 cm
Measure Point: 116.8 cm: CALY MP

FOCUS KNUCKLE JOINT

Series : 3930XA

FOCUS KNUCKLE JOINT

Series : 3930XA

FOCUS TELEMETRY (POWER SECTION)

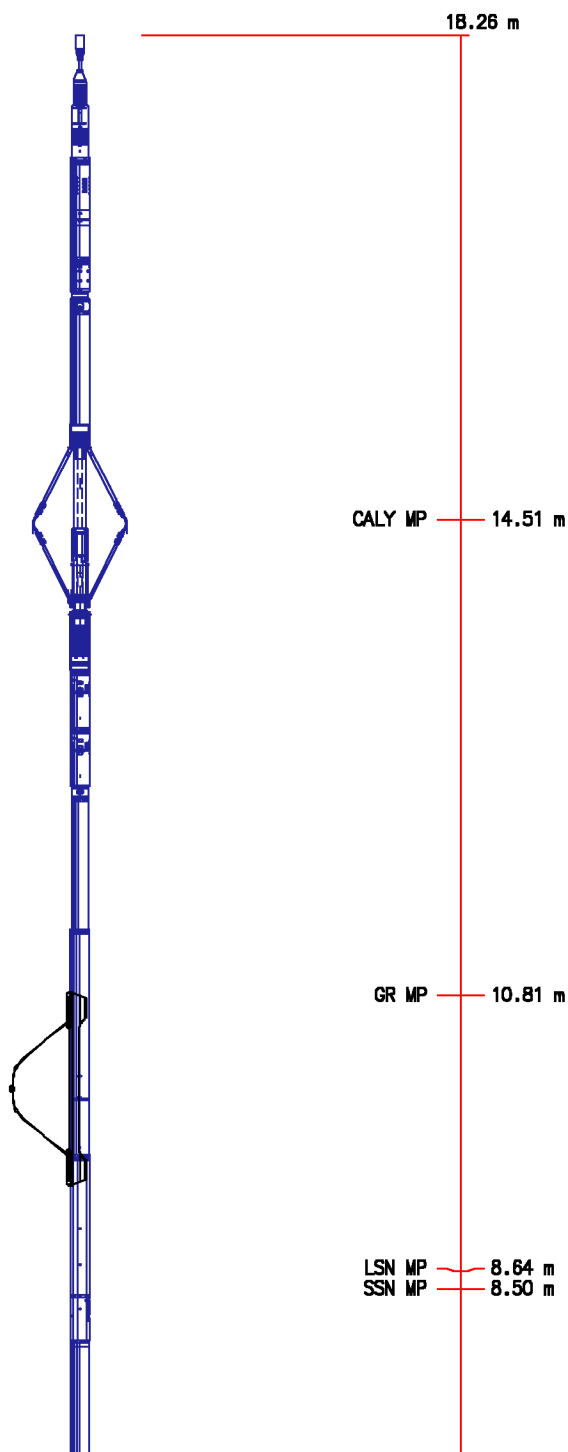
Series : 3518FB
Mnemonic : TMGR
Diameter : 8.0 cm
Weight : 21.8 kg
Length : 113.1 cm

FOCUS EB/EG TELEMETRY GAMMA RAY

Series : 3518EG
Mnemonic : GR
Diameter : 7.9 cm
Weight : 28.6 kg
Length : 177.8 cm
Measure Point: 129.2 cm: GR MP

FOCUS COMPENSATED NEUTRON

Series : 2436XA
Mnemonic : CN
Diameter : 8.0 cm
Weight : 29.5 kg
Length : 146.7 cm
Measure Point: 58.4 cm: LSN MP
Measure Point: 44.5 cm: SSN MP



FOCUS Z-DENST LOG

Series : 2223XA
 Mnemonic : ZDL
 Diameter : 9.5 cm
 Weight : 90.9 kg
 Length : 292.1 cm
 Measure Point: 132.1 cm: CR1 MP
 Measure Point: 51.4 cm: LSD / CR2 MP
 Measure Point: 39.4 cm: SSD MP

FOCUS KNUCKLE JOINT

Series : 3930XA

FOCUS KNUCKLE JOINT

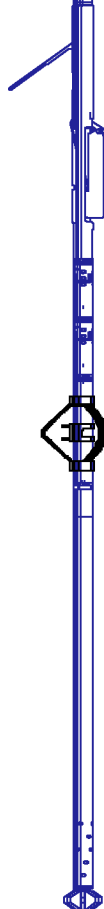
Series : 3930XA

FOCUS HIGH DEFINITION INDUCTION TOOL

Series : 1530XA
 Mnemonic : HDIL
 Diameter : 8.0 cm
 Weight : 52.3 kg
 Length : 406.4 cm
 Measure Point: 218.6 cm: COIL 5 MP
 Measure Point: 172.9 cm: COIL 4 MP
 Measure Point: 127.2 cm: COIL 3 MP
 Measure Point: 111.9 cm: COIL 2 MP
 Measure Point: 96.7 cm: COIL 1 MP
 Measure Point: 81.5 cm: COIL 0 MP
 Measure Point: 34.7 cm: SP MP

FOCUS PINEAPPLE / CABBAGE

TOTAL LENGTH: 18.26 m
 TOTAL WEIGHT: 406.8 kg
 MAX DIAMETER: 15.6 cm



CR1 MP 6.45 m
 LSD / CR2 MP 5.65 m
 SSD MP 5.52 m
 COIL 5 MP 2.34 m
 COIL 4 MP 1.88 m
 COIL 3 MP 1.42 m
 COIL 2 MP 1.27 m
 COIL 1 MP 1.12 m
 COIL 0 MP 0.97 m
 SP MP 0.50 m
 0.00 m

MAIN LOG - UPPER PRESENTATION

ECLIPS 6.0i Feb 21, 2008
 Updates: 1,40,43

Sun Aug 16 09:28:34 2009

Pcrplt /main/62

Cplot

Pdf_Cpp /main/16

Fileview 5.42

PARAMETER AND FILTER SUMMARY REPORT

File: /data/pass/Vulcan/k970a04.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 16.038 m BOTTOM DEPTH: 2064.135 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CHT	FILTER ()	medium (1)		TOP	BOTTOM
GR MED RES	FILTER ()	medium (1)		''	''
CALIPER	FILTER ()	medium (1)		''	''
TENSION	FILTER ()	medium (1)		''	''
ZDL MED RES	FILTER (hrd1*)	medium		''	''
	FILTER (hrd1s*)	medium		''	''
	FILTER (hrd2*)	medium		''	''
	FILTER (hrd2s*)	medium		''	''
	FILTER (soft*)	medium		''	''

BOREHOLE & CEMENT

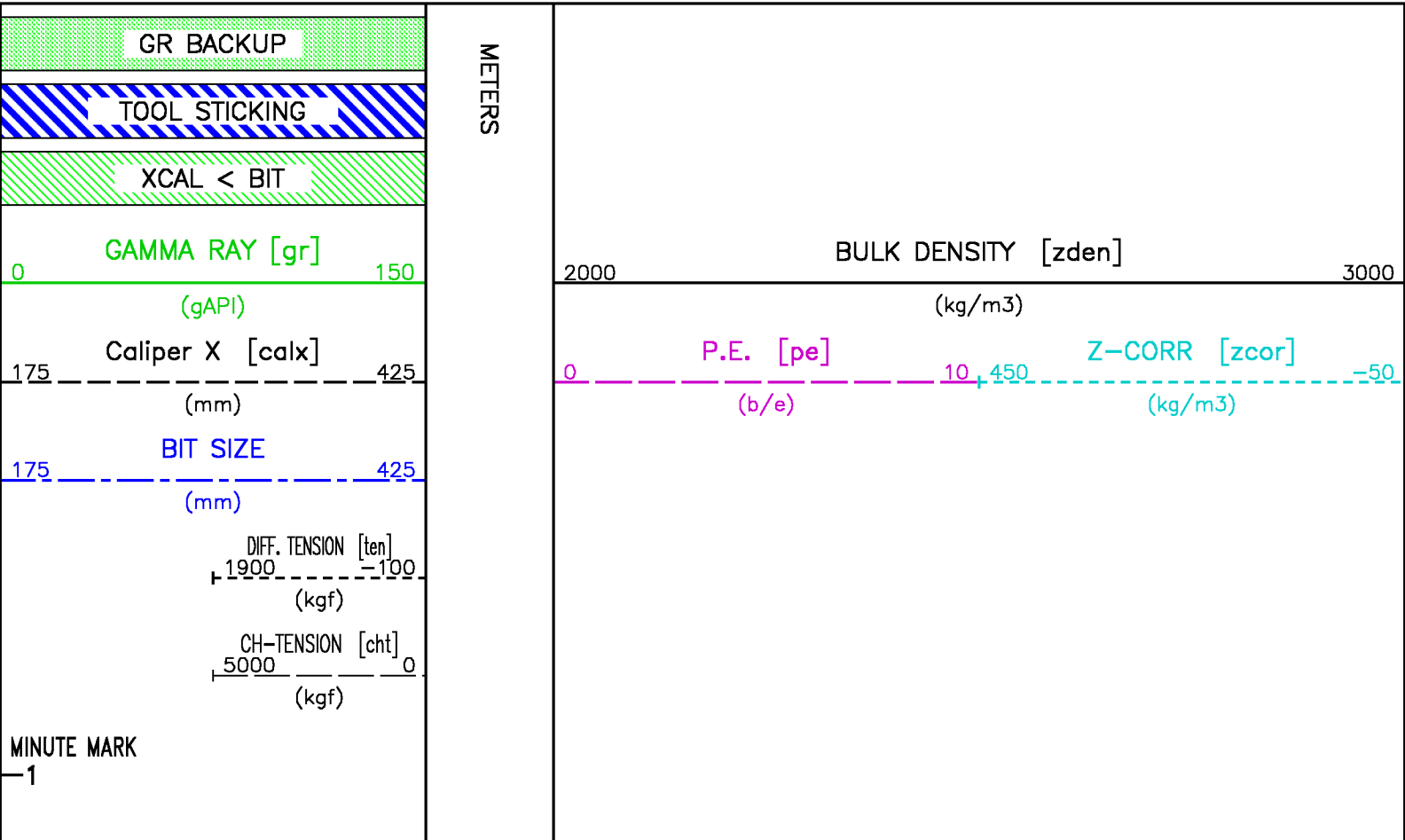
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
BIT SIZE	BIT SIZE	311.000	mm	TOP	BOTTOM

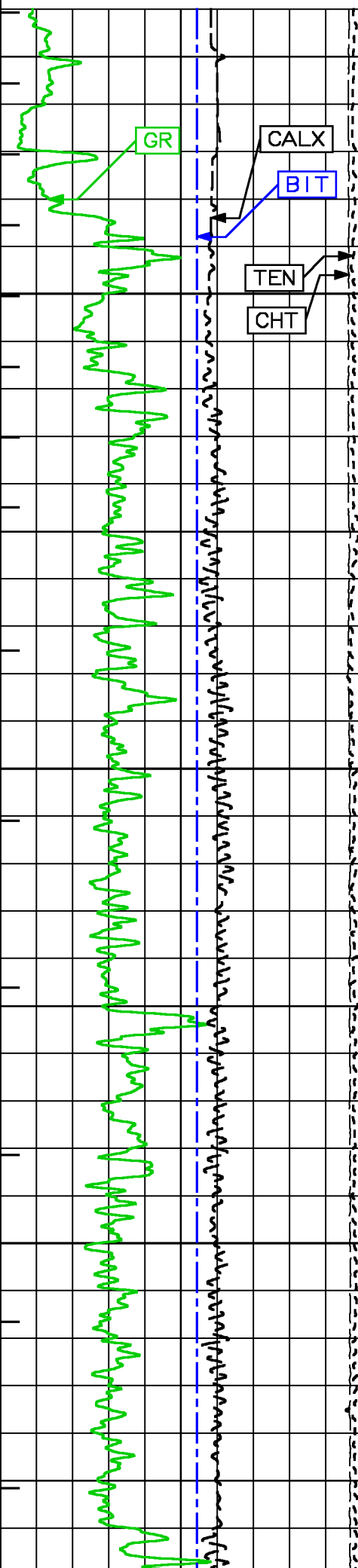
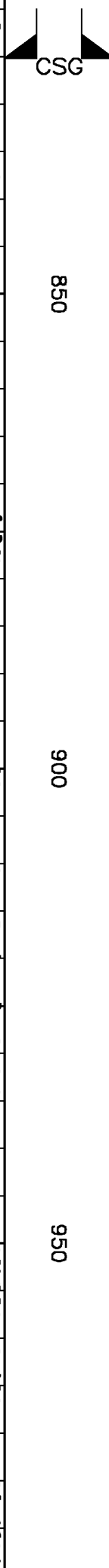
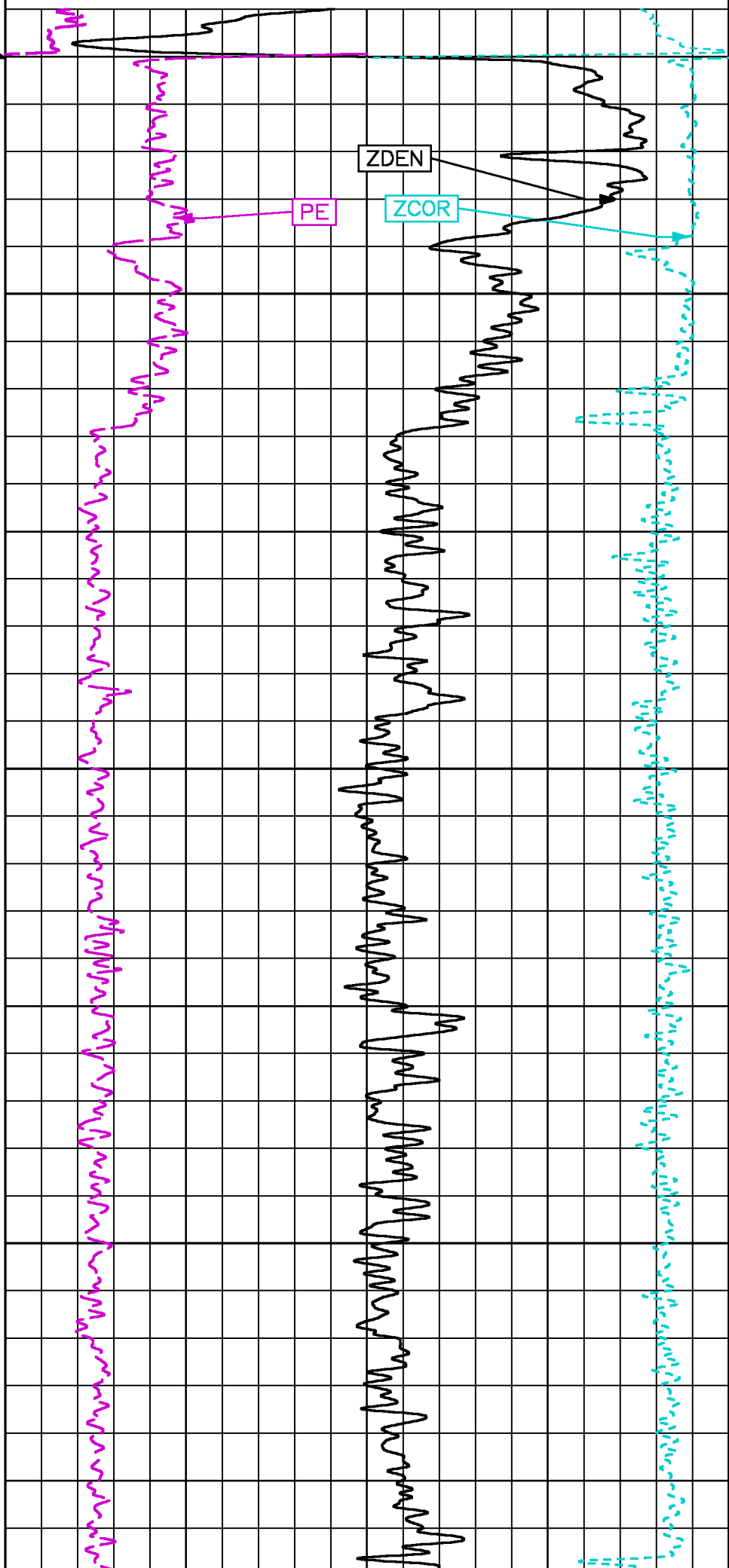
ACCELERATION PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ACCEL CORR SWITCH	ACCEL DEPTH CORR	CORRECTION ON		TOP	BOTTOM

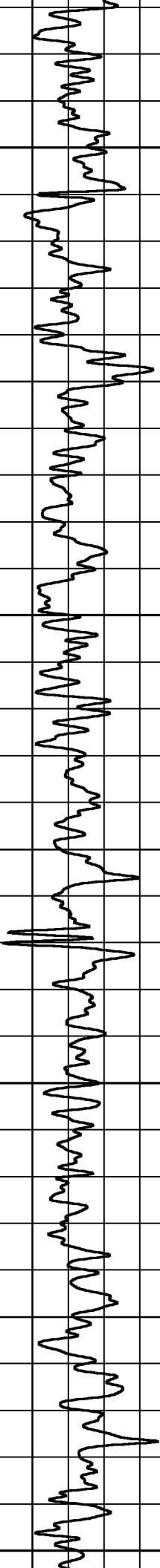
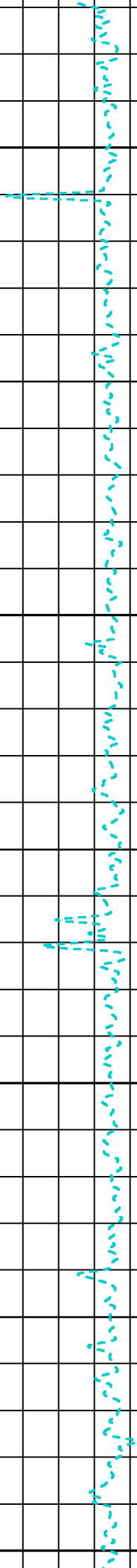
CURVE DESCRIPTION REPORT				
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION	
F1:BIT	BIT	Aug 16 04:12:12 2009	BIT SIZE	
F1:CALX	CALX	Aug 16 04:12:12 2009	CALIPER FROM X AXIS OF X-Y CALIPER(S)	
F1:CHT	CHT	Aug 16 04:12:12 2009	CABLE HEAD TENSION	
F1:GR	GR	Aug 16 04:12:12 2009	GAMMA RAY	
F1:MMRK	MMRK	Aug 16 04:12:12 2009	MINUTE MARK	
F1:PE	PE	Aug 16 04:12:12 2009	PHOTO ELECTRIC CROSS-SECTION	
F1:TEN	TEN	Aug 16 04:12:12 2009	DIFFERENTIAL TENSION	
F1:ZCOR	ZCOR	Aug 16 04:12:12 2009	DENSITY CORRECTION	
F1:ZDEN	ZDEN	Aug 16 04:12:12 2009	FORMATION BULK DENSITY	

CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CHT	0.00	PE	5.49	ZCOR	5.49
CALX	5.49	GR	10.67	TEN	0.00	ZDEN	5.49

Presentation	: cpu1:/dat1a/pass/Vulcan/fzd_upper.pdf [1:600 Scale]
Plot Interval	: 820 - 2065.78 Meters
Data File 1	: F1 : cpu1:/dat1a/pass/Vulcan/r111_main.xtf
Created On	: Aug 16 04:12:12 2009
Company	: Vulcan Minerals Ltd
Well	: Robinson #1
Field	: Robinson
File Interval	: 5.1816 - 2068.98 Meters
Oct	: k970a





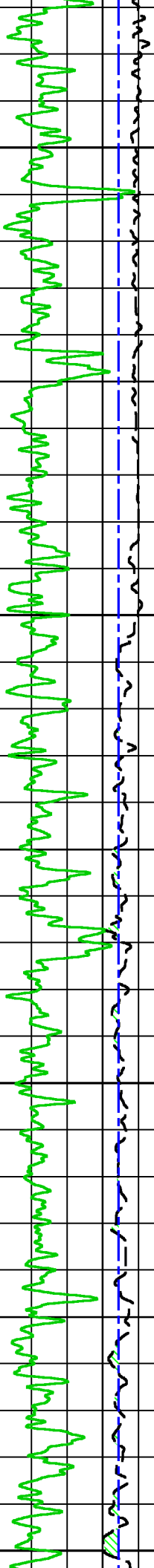


1000

1050

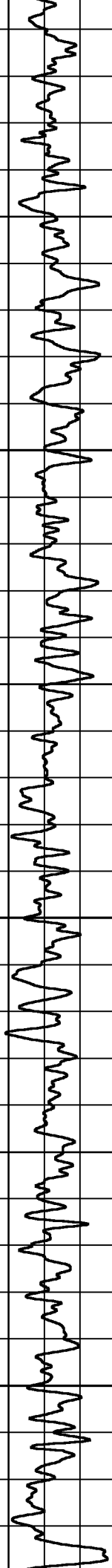
1100

1150

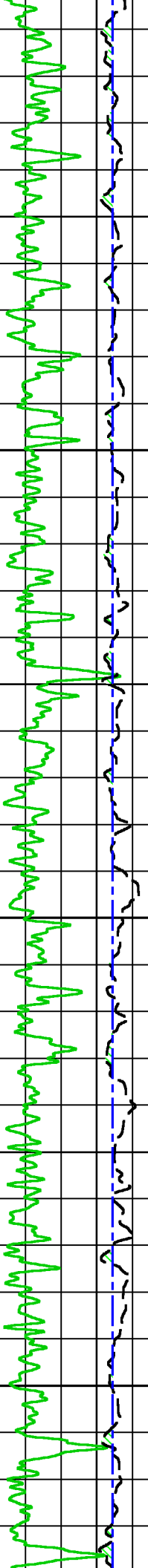


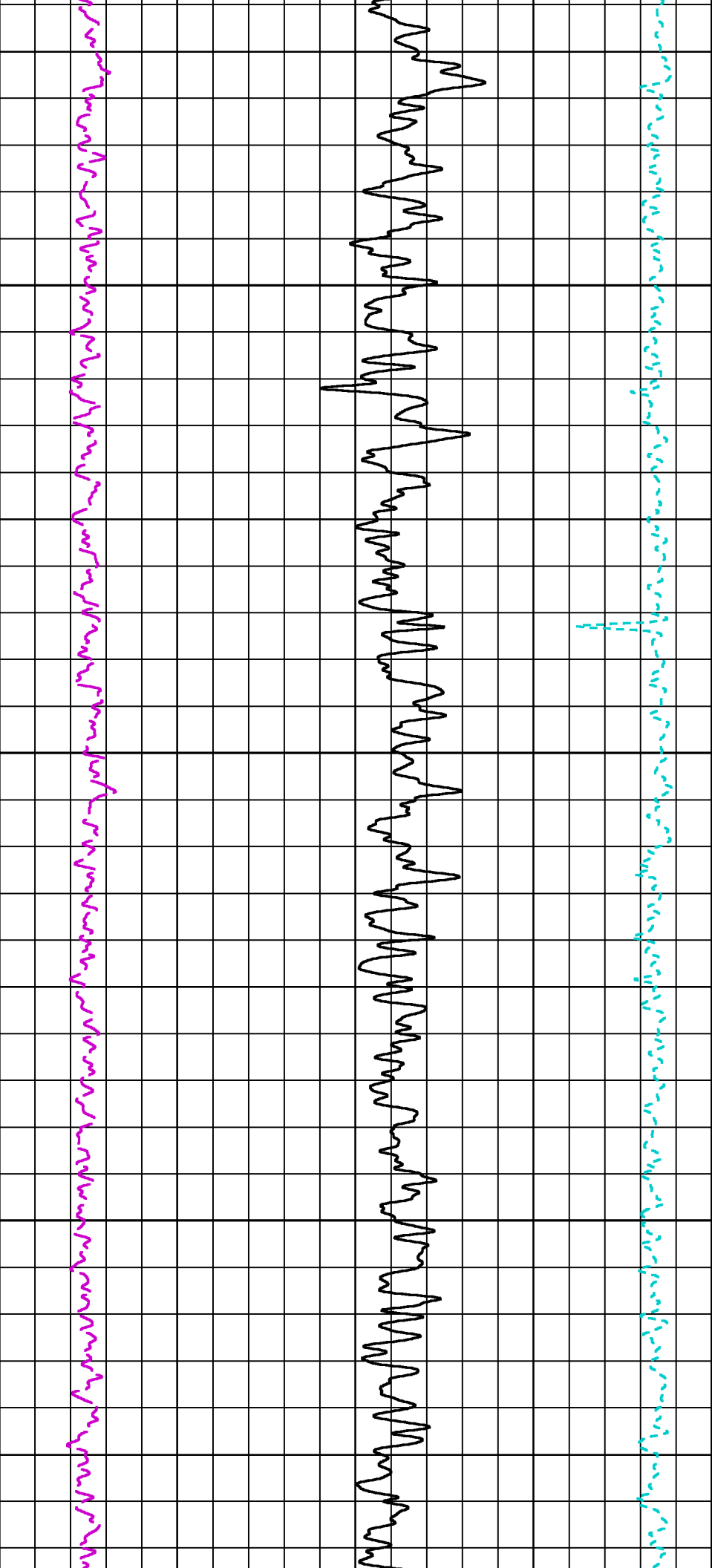


1



0 1200 1250 1300

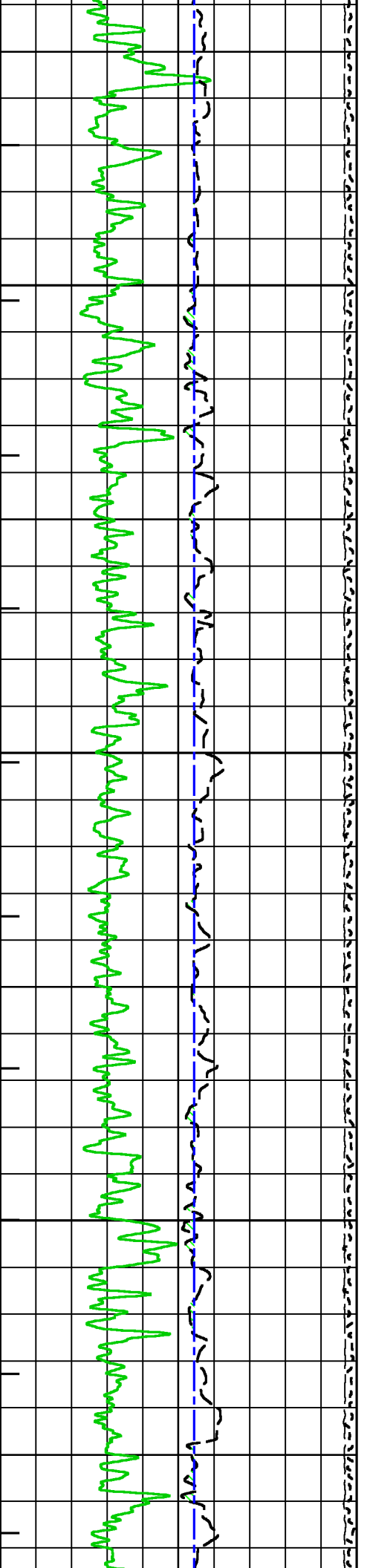


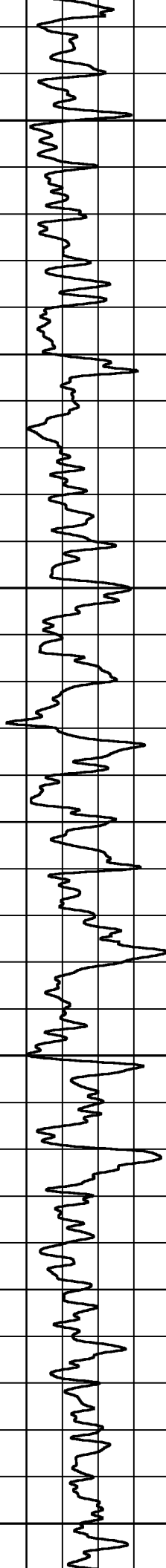


1350

1400

1450



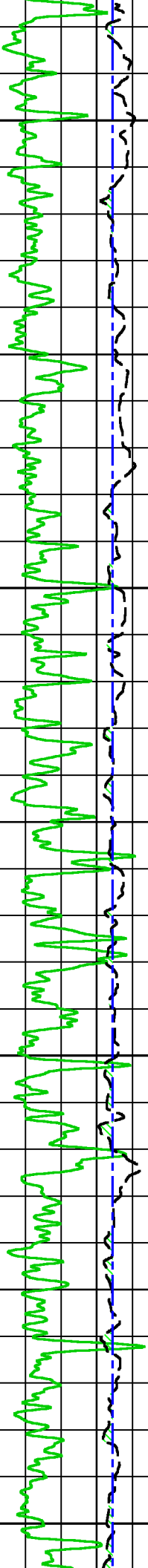


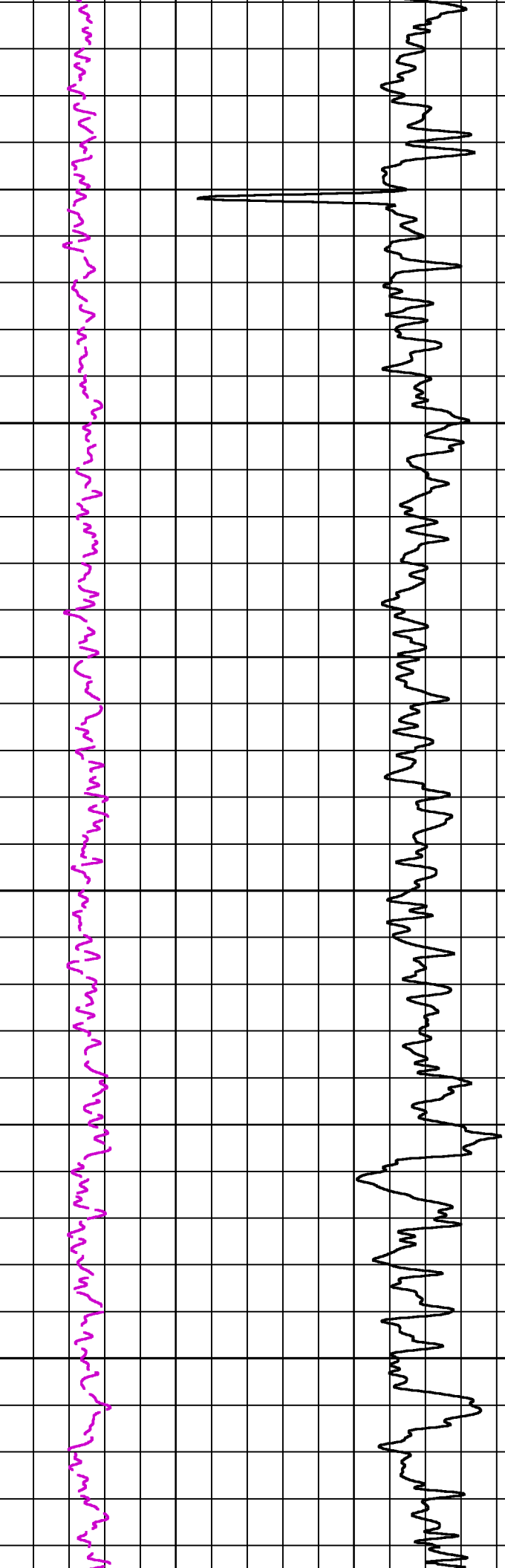
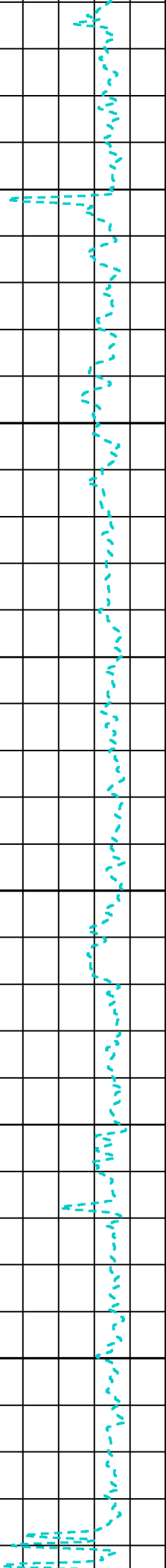
1500

1550

1600

1650

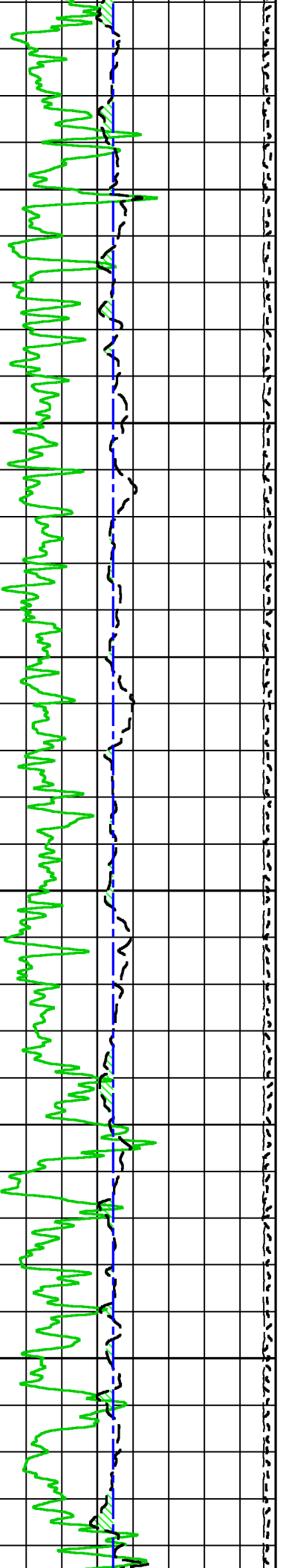


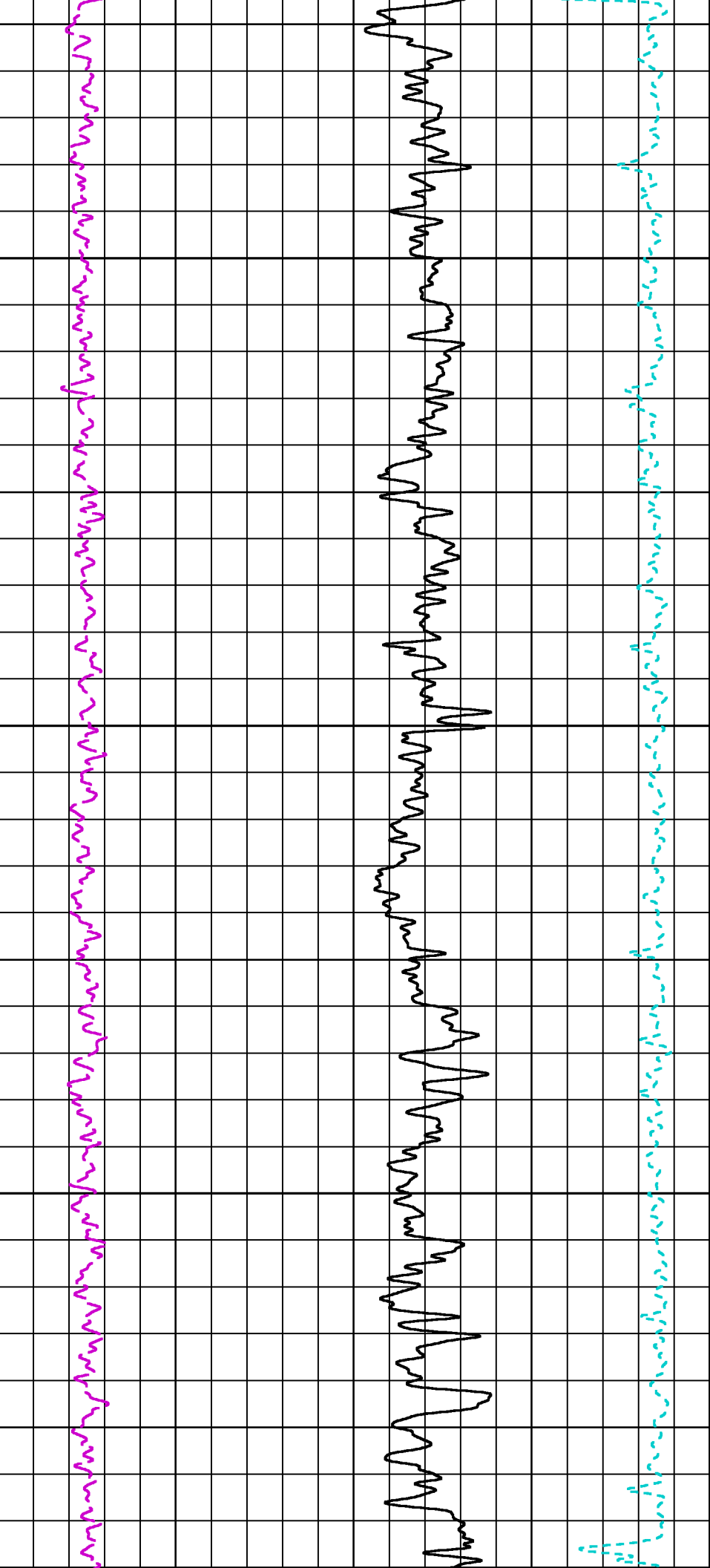


1700

1750

1800

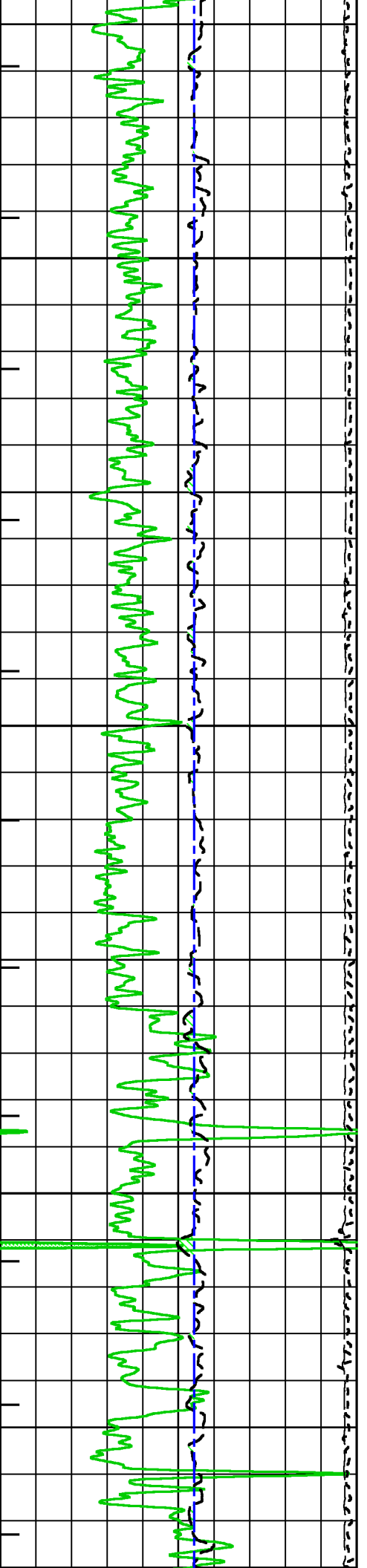


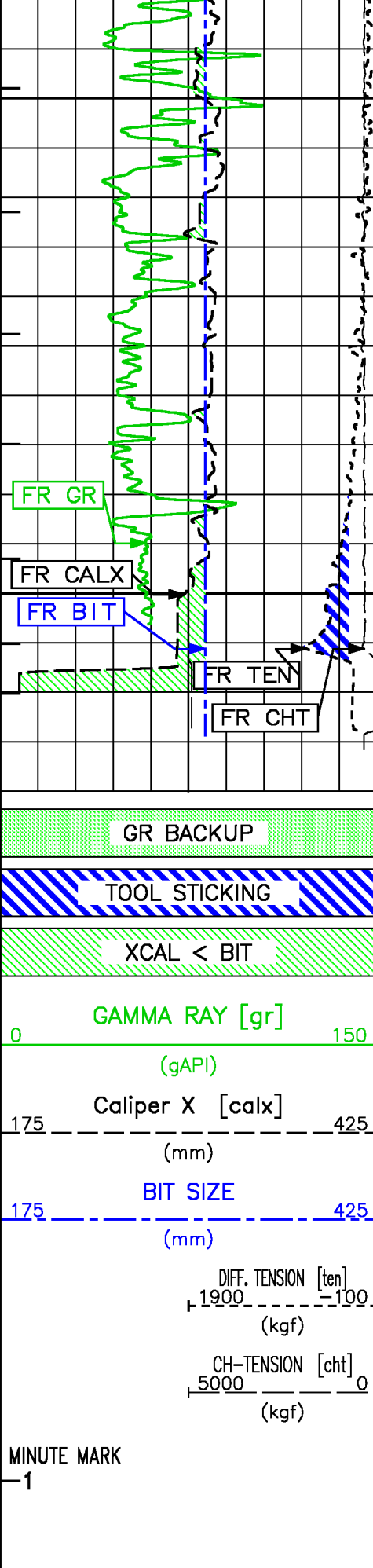


1850

1900

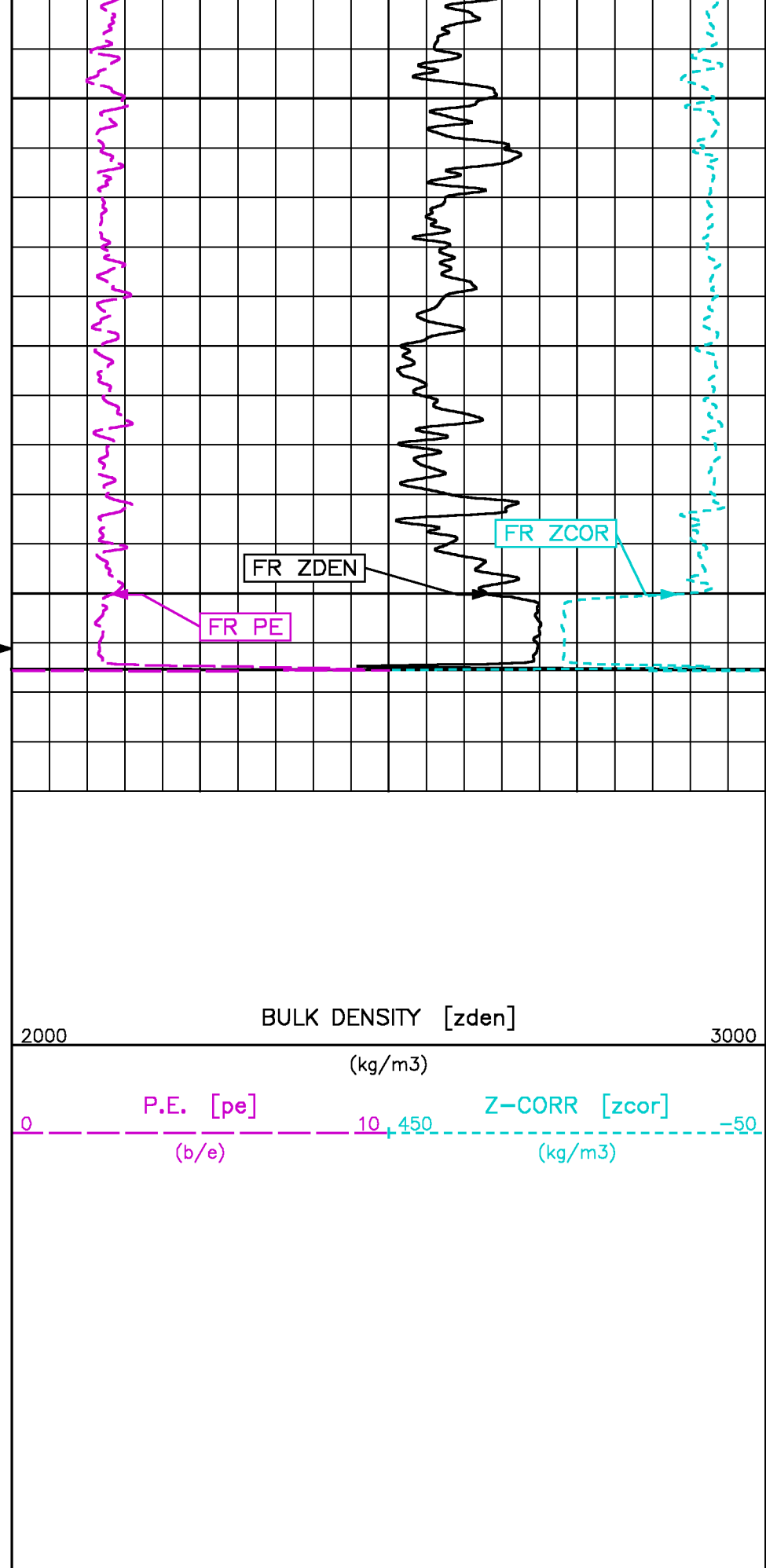
1950





2000
2050 TD

METERS



MAIN LOG - SANDSTONE MATRIX

ECLIPS 6.0i Feb 21, 2008
Updates: 1,40,43

Sun Aug 16 09:26:05 2009

Perplt /main/62

Cplot

Pdf_Cpp /main/16

Fileview 5.42

PARAMETER AND FILTER SUMMARY REPORT

File: /dat1a/pass/Vulcan/k970a04.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 16.038 m BOTTOM DEPTH: 2064.135 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CHT	FILTER ()	medium (1)		TOP	BOTTOM
GR MED RES	FILTER ()	medium (1)		''	''
CALIPER	FILTER ()	medium (1)		''	''
TENSION	FILTER ()	medium (1)		''	''
CN MED RES	FILTER ()	medium (1)		''	''
ZDL MED RES	FILTER (hrd1*)	medium		''	''
	FILTER (hrd1s*)	medium		''	''
	FILTER (hrd2*)	medium		''	''
	FILTER (hrd2s*)	medium		''	''
	FILTER (soft*)	medium		''	''

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	244.500	mm	TOP	BOTTOM
	CASING THICKNESS	10.900	mm	TOP	822.814
		0.000	mm	822.814	BOTTOM
X-Y COMBINED CALIPER PROCESSING-FOCM	SY Caliper - FOCUS	Average		TOP	BOTTOM
BIT SIZE	BIT SIZE	311.000	mm	''	''
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE FIXED SIZE		TOP	814.838
		USE CALIPER		814.838	BOTTOM
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	317.900	mm	TOP	803.452
		311.000	mm	803.452	BOTTOM

ACCELERATION PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ACCEL CORR SWITCH	ACCEL DEPTH CORR	CORRECTION ON		TOP	BOTTOM

CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN BOREHOLE CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
	BOREHOLE CORRECTION	ON		''	''
CN CASING & CEMENT CORRECTION	CORRECTION	ON		TOP	824.484
		OFF		824.484	BOTTOM
	BIT SIZE BEHIND CSNG	445.000	mm	TOP	BOTTOM

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
DENSITY POROSITY	RHOfluid	1.000	g/cm3	TOP	BOTTOM
	RHOmatrix (sand)	2.650	g/cm3	''	''

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Aug 16 04:12:12 2009	BIT SIZE
F1:CALX	CALX	Aug 16 04:12:12 2009	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CHT	CHT	Aug 16 04:12:12 2009	CABLE HEAD TENSION

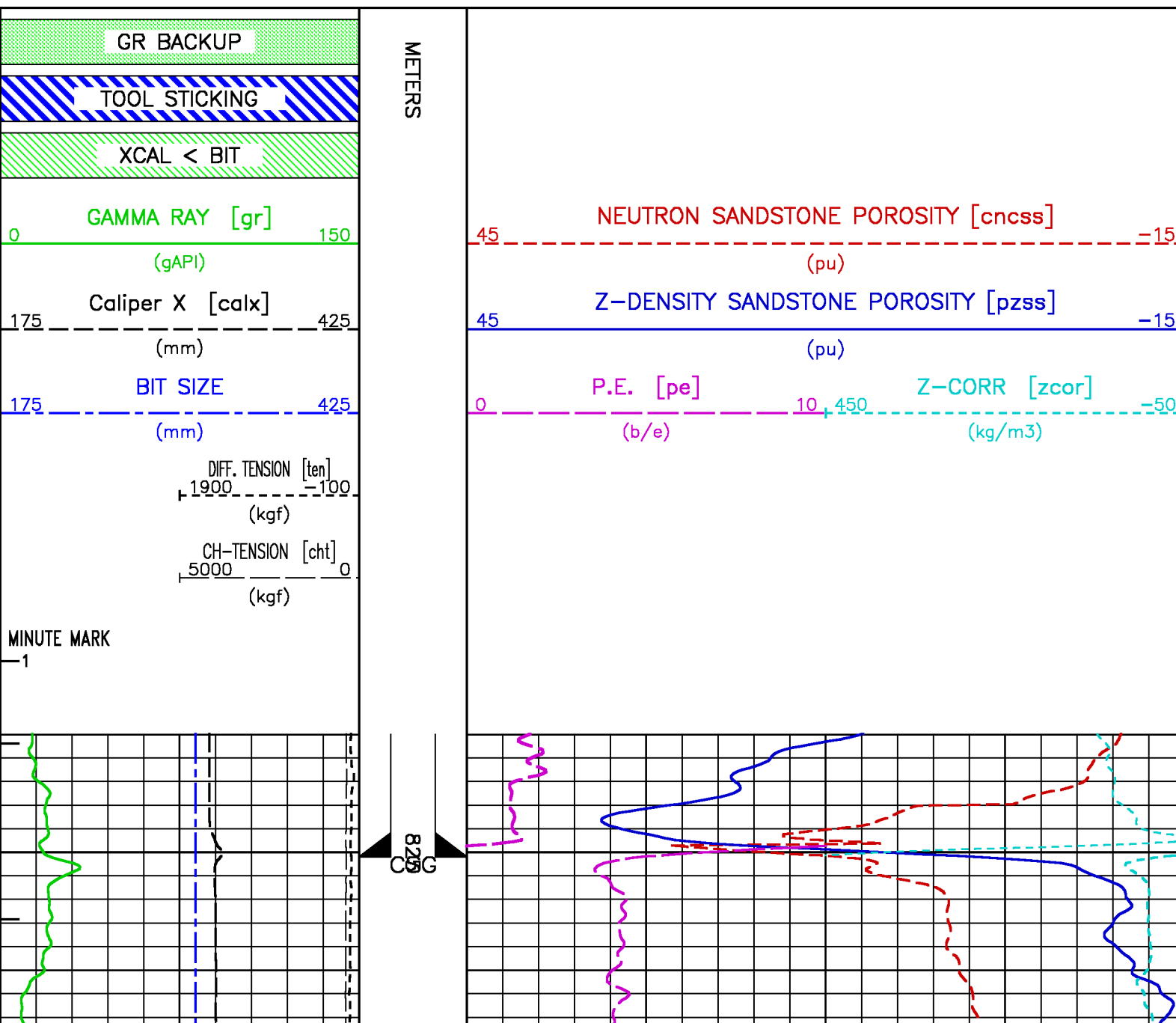
F1:CNCSS	CNCSS	Aug 16 04:12:12 2009	BH SIZE CORR. SANDSTONE COMPENSATED NEUTRON POROSITY
F1:GR	GR	Aug 16 04:12:12 2009	GAMMA RAY
F1:MMRK	MMRK	Aug 16 04:12:12 2009	MINUTE MARK
F1:PE	PE	Aug 16 04:12:12 2009	PHOTO ELECTRIC CROSS-SECTION
F1:PZSS	PZSS	Aug 16 04:12:12 2009	POROSITY FOR SANDSTONE MATRIX
F1:TEN	TEN	Aug 16 04:12:12 2009	DIFFERENTIAL TENSION
F1:ZCOR	ZCOR	Aug 16 04:12:12 2009	DENSITY CORRECTION

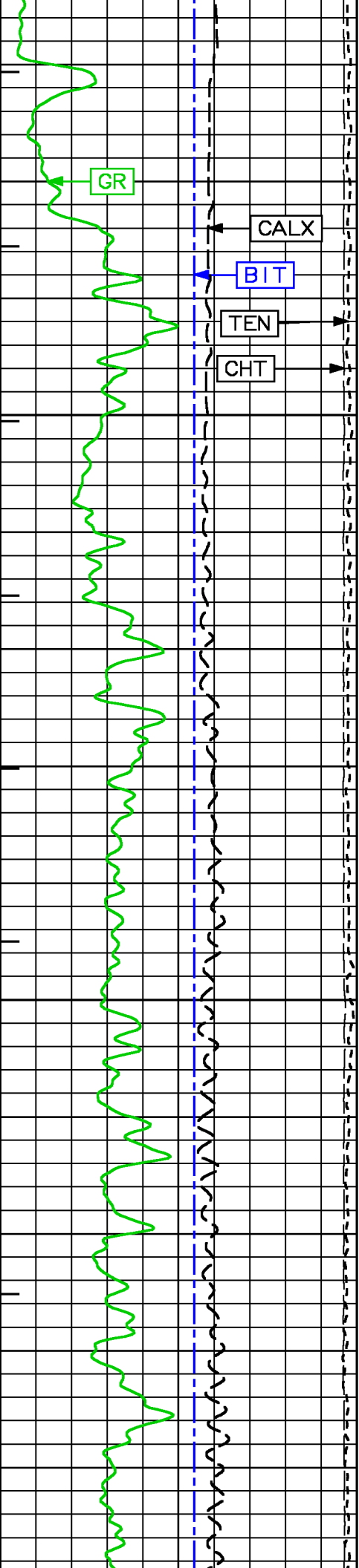
CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CNCSS	8.34	PZSS	5.49		
CALX	5.49	GR	10.67	TEN	0.00		
CHT	0.00	PE	5.49	ZCOR	5.49		

Presentation : cpu1:/dat1a/pass/Vulcan/tzdl_main_ss.pdf [1:240 Scale]
Plot Interval : 820 - 2065.78 Meters

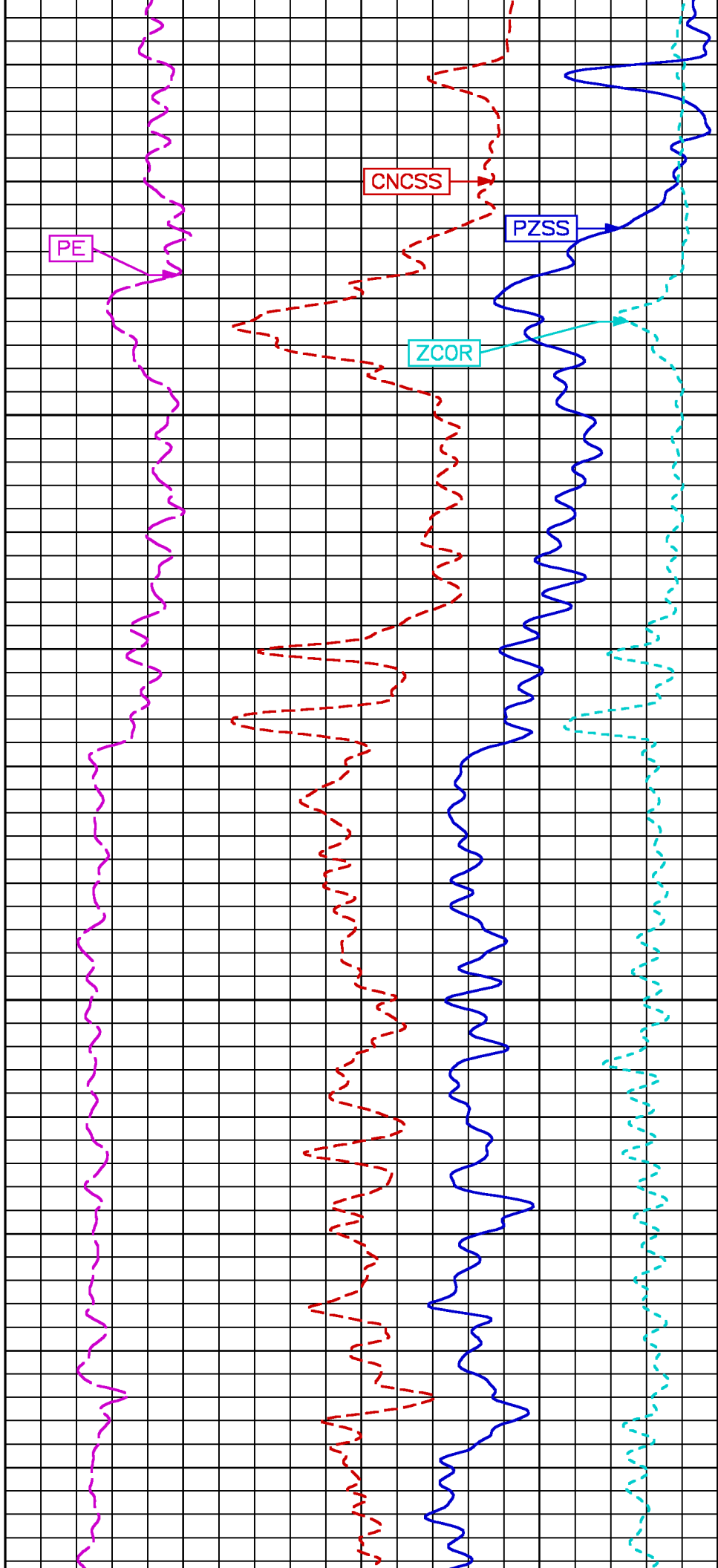
Data File 1 : F1 : cpu1:/dat1a/pass/Vulcan/r1f1_main.xtf
Created On : Aug 16 04:12:12 2009
Company : Vulcan Minerals Ltd
Well : Robinson #1
Field : Robinson
File Interval : 5.1816 - 2068.98 Meters
Oct : k970a

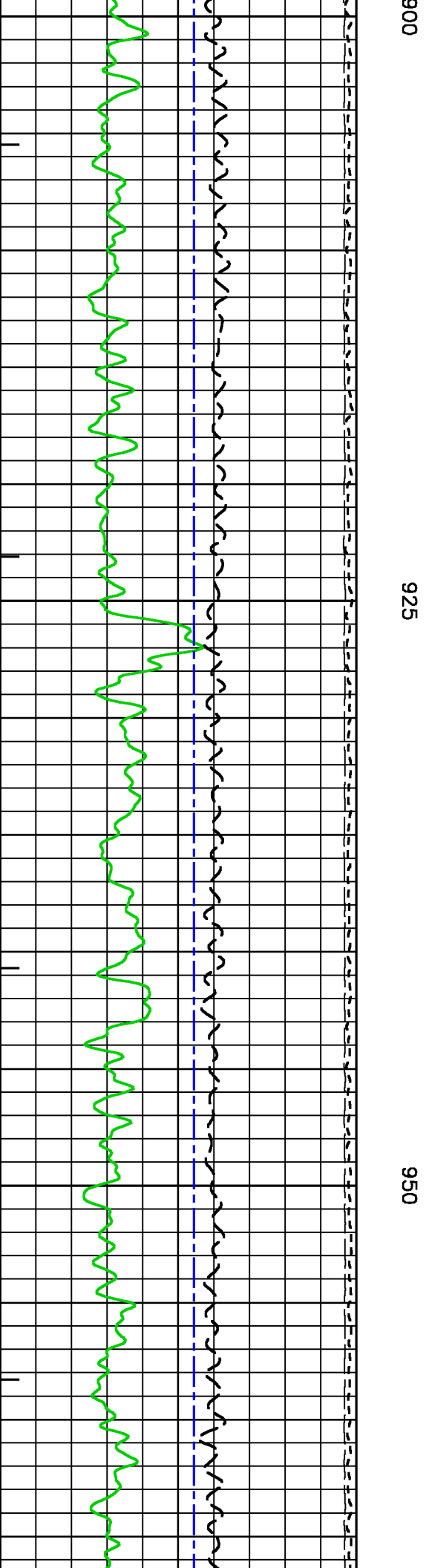
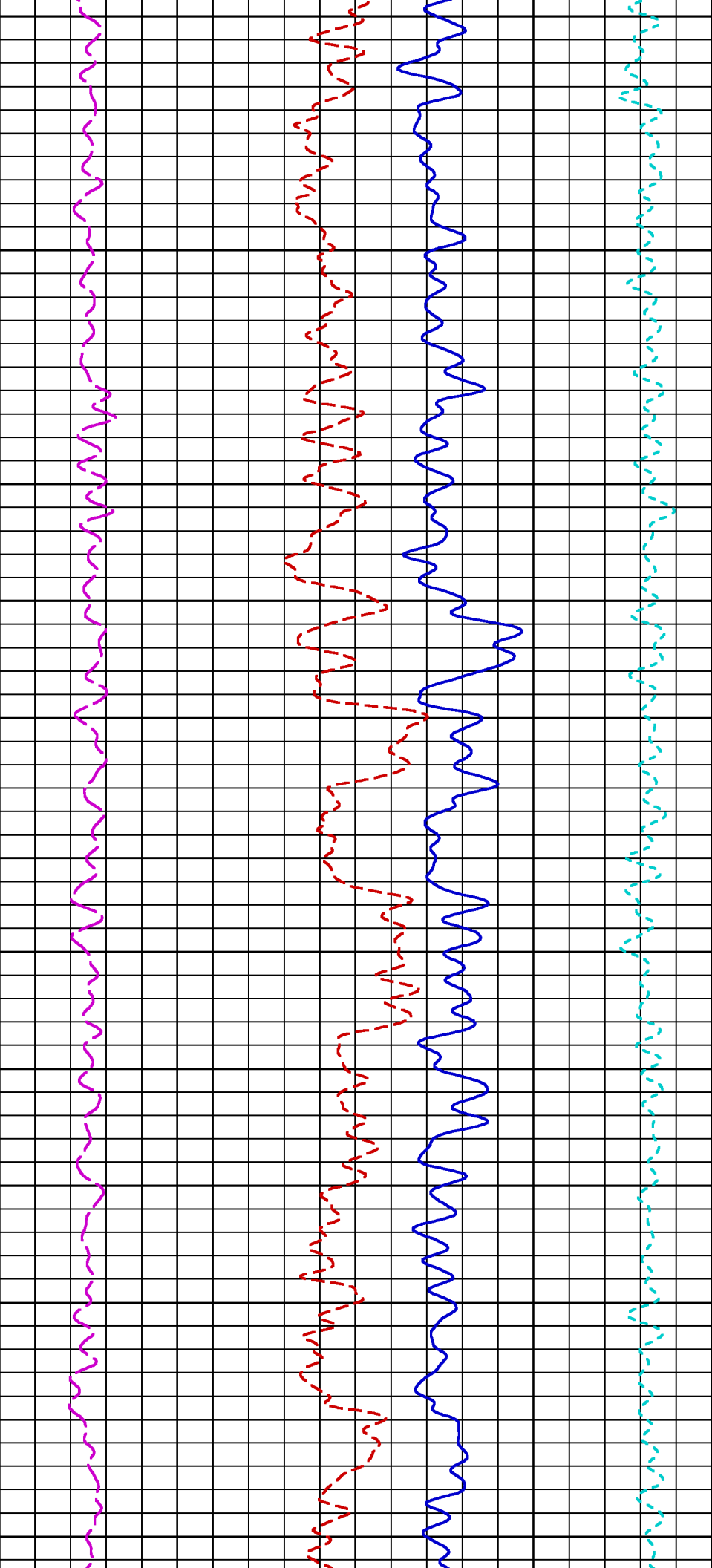


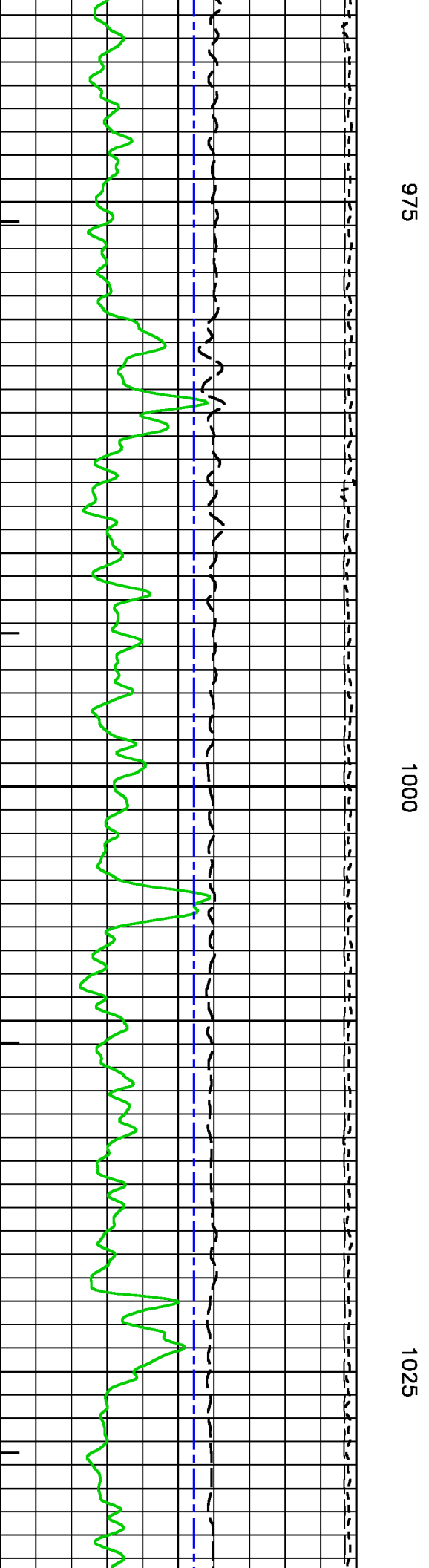
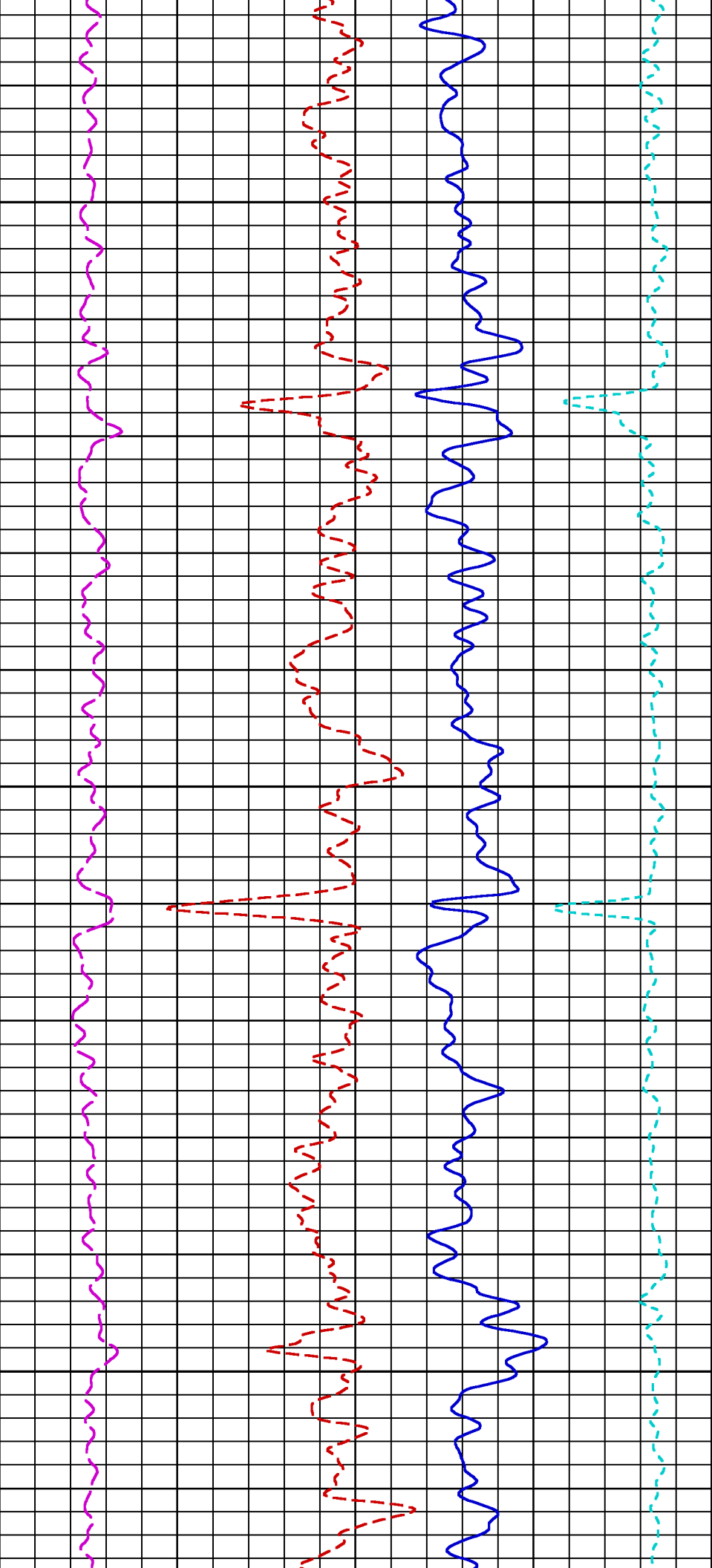


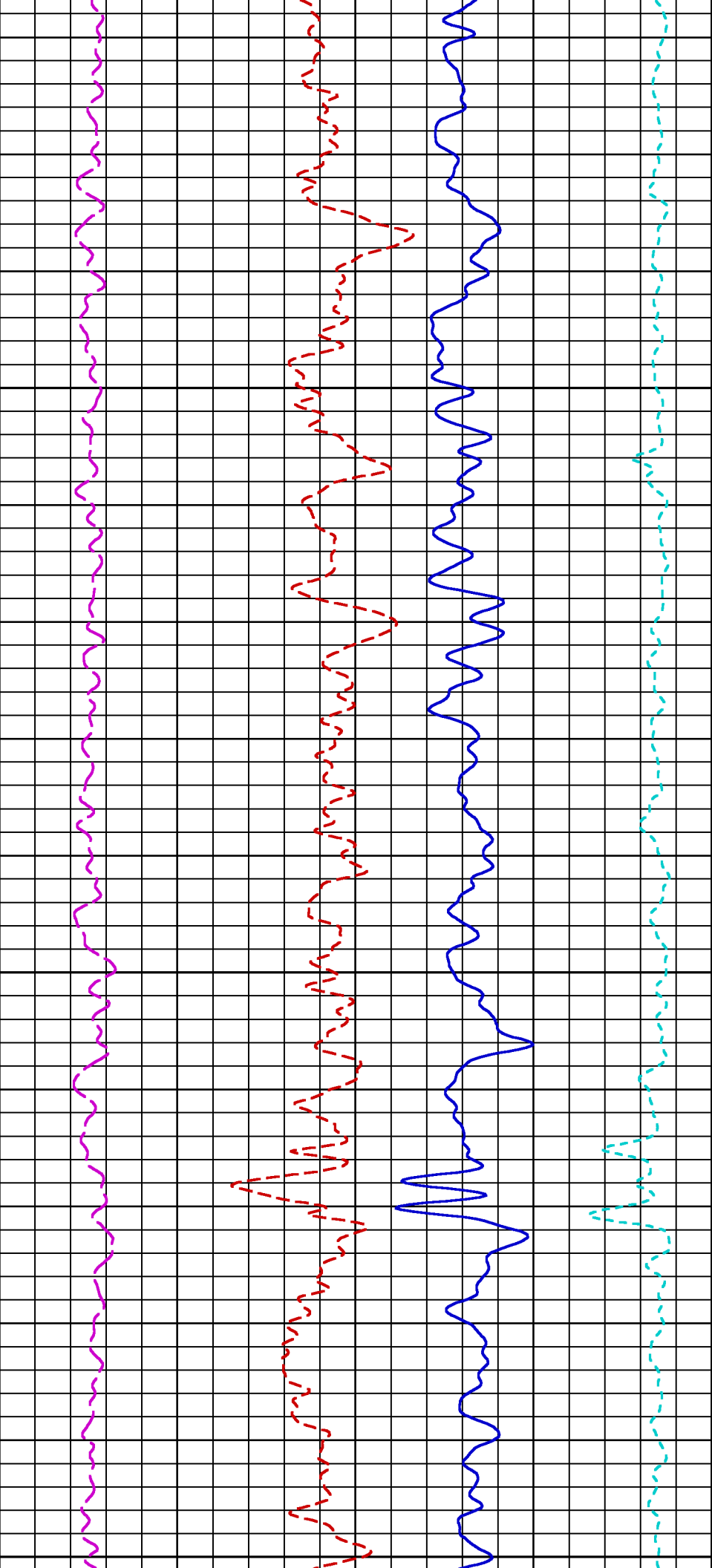
850

875





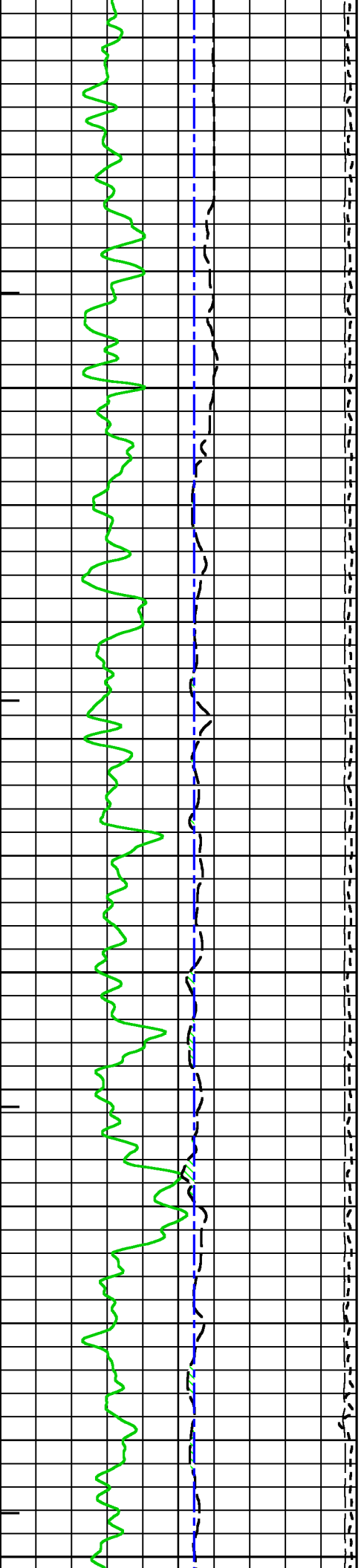


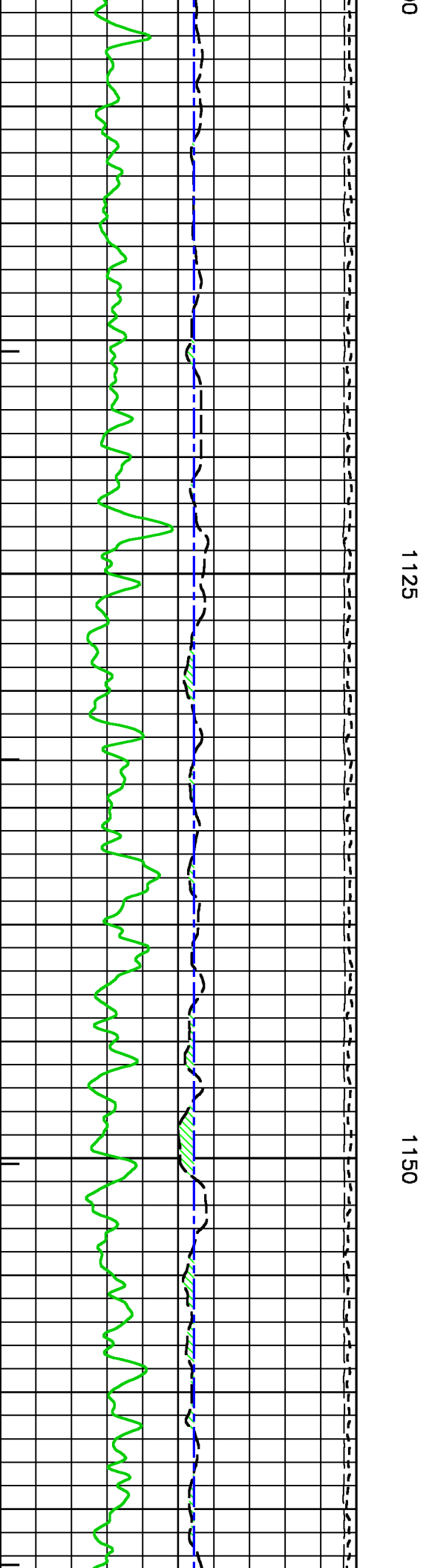
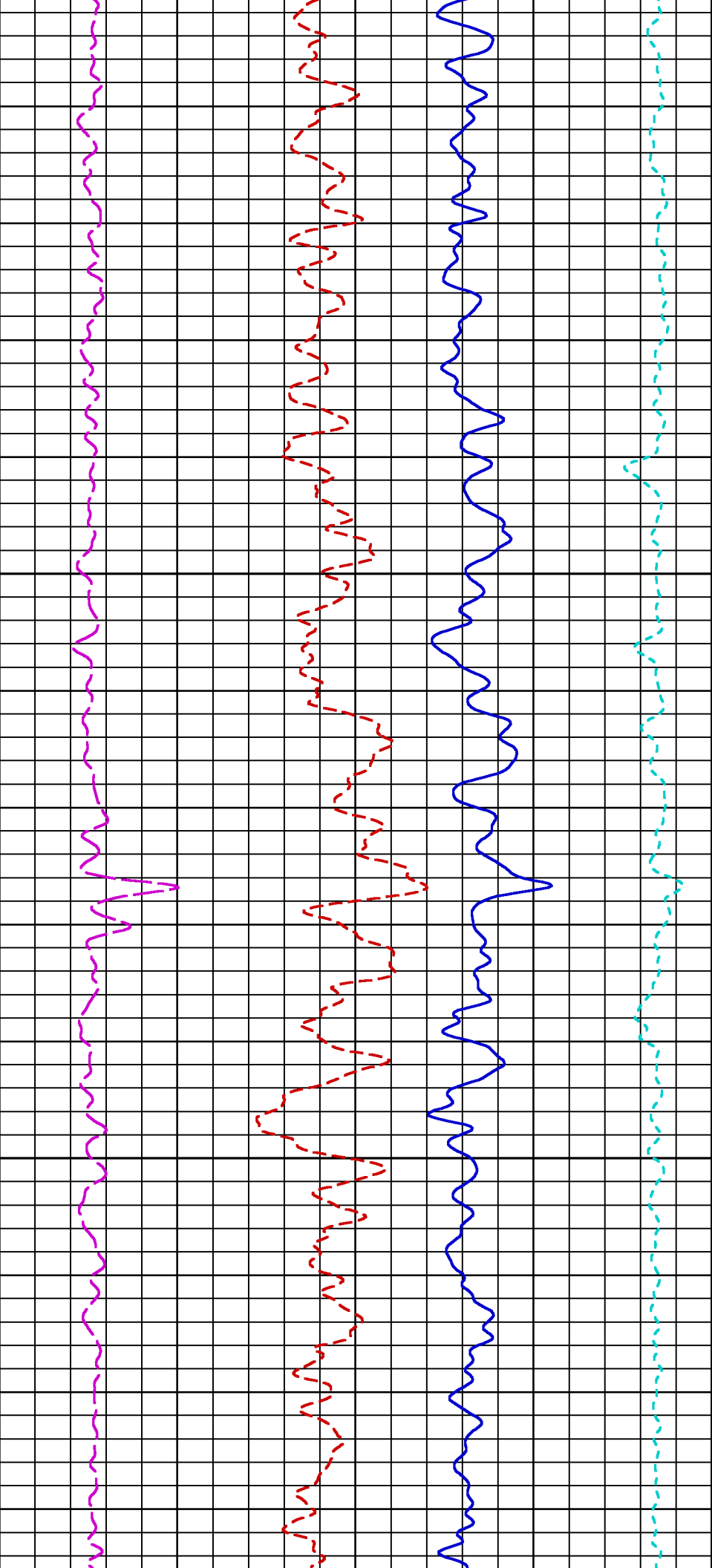


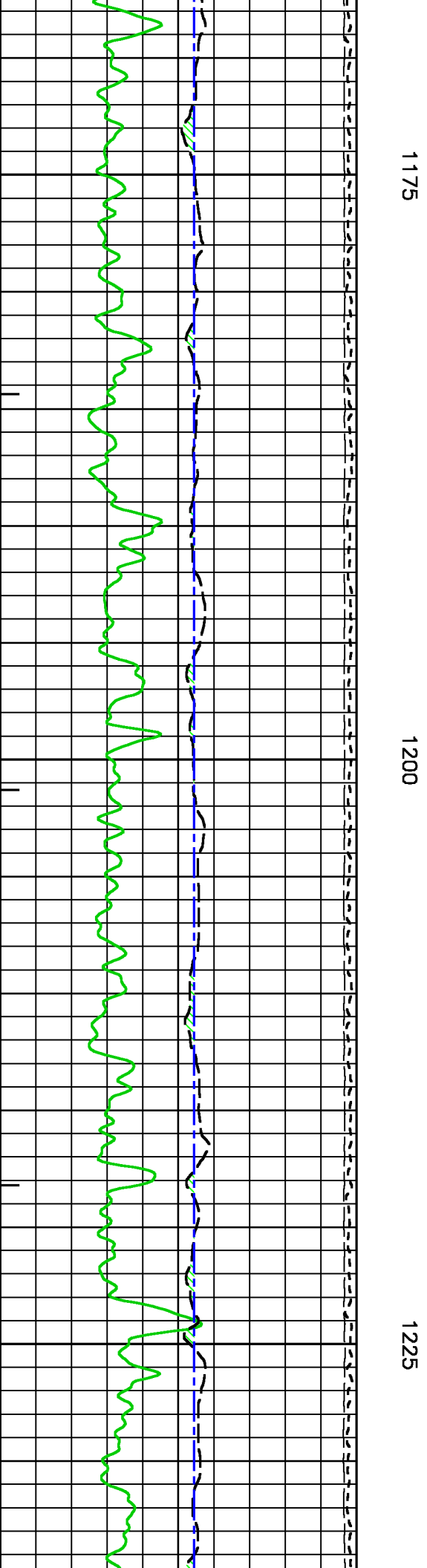
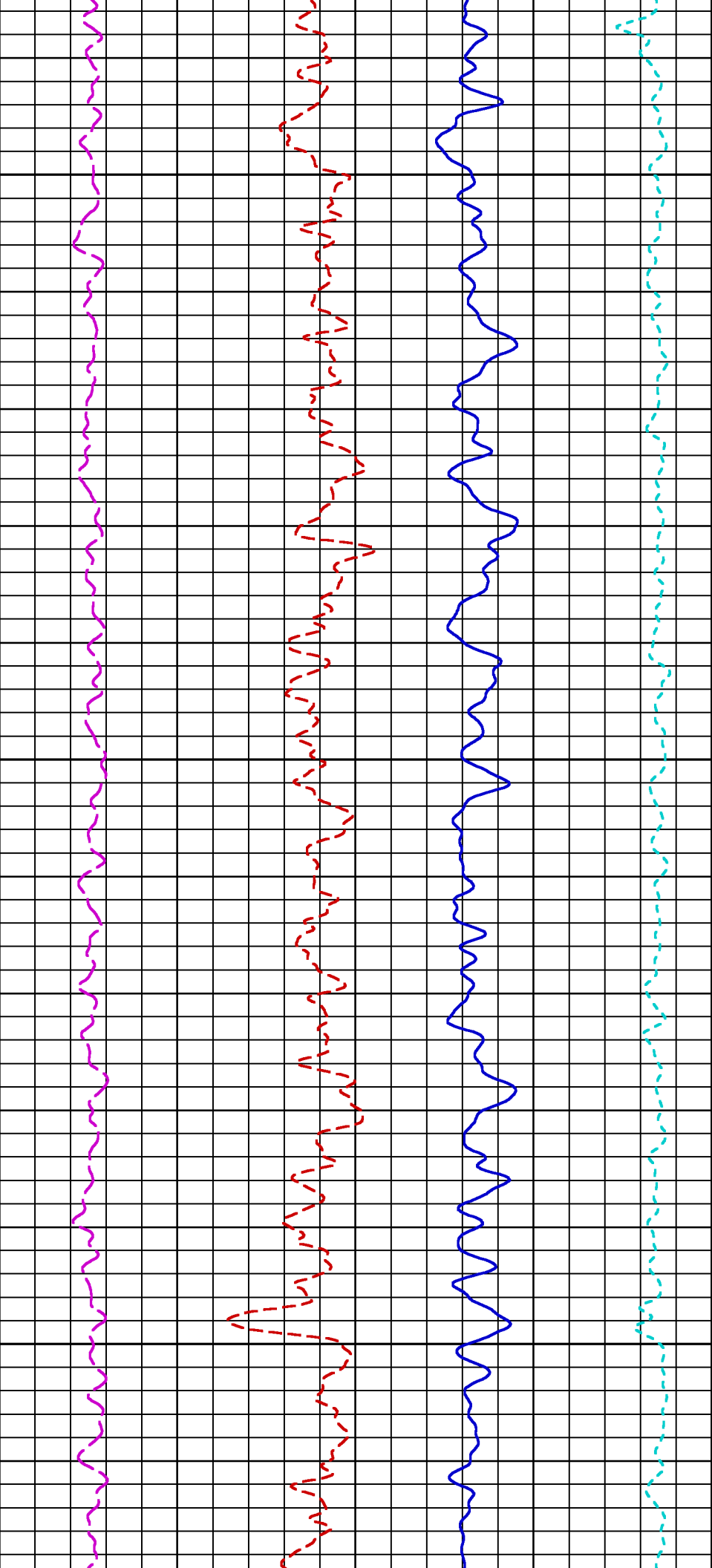
1050

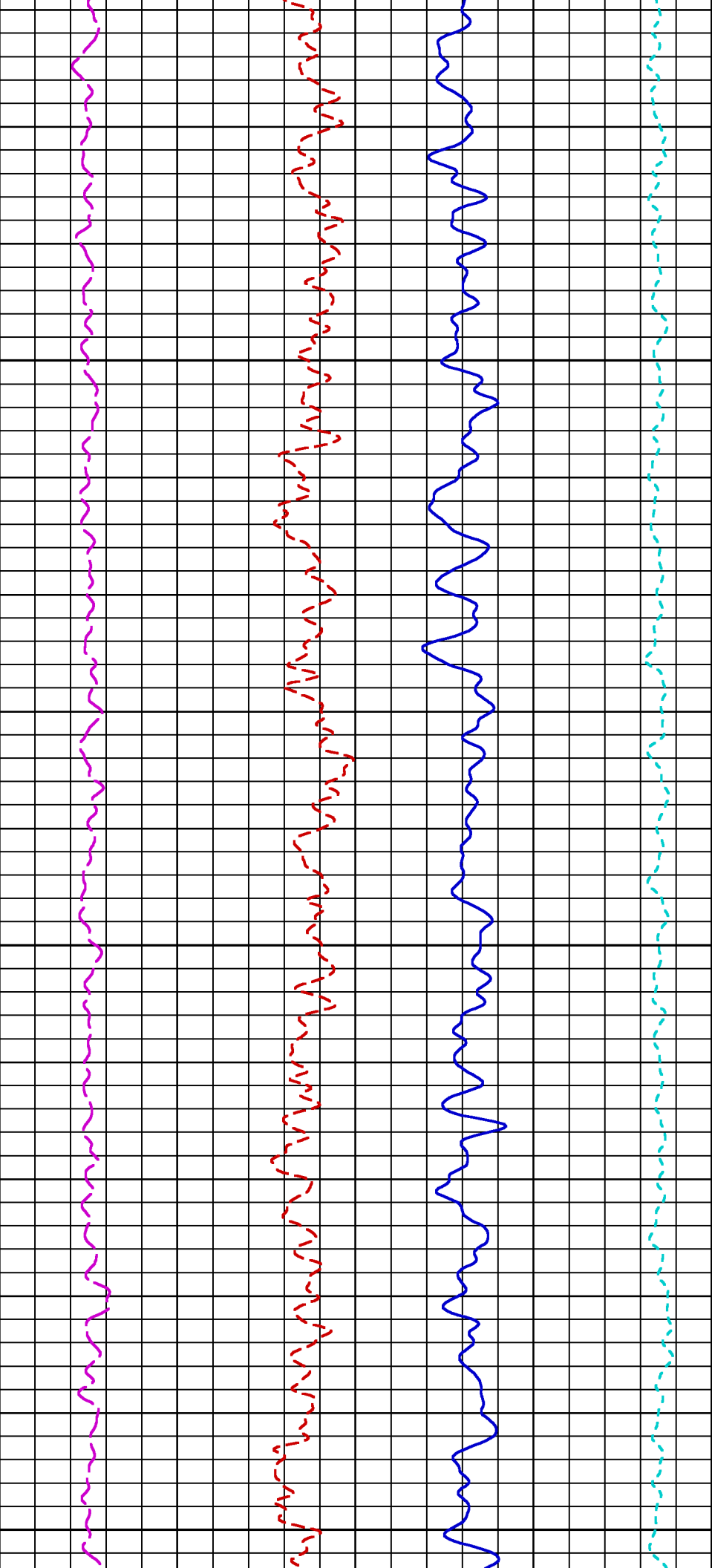
1075

1100





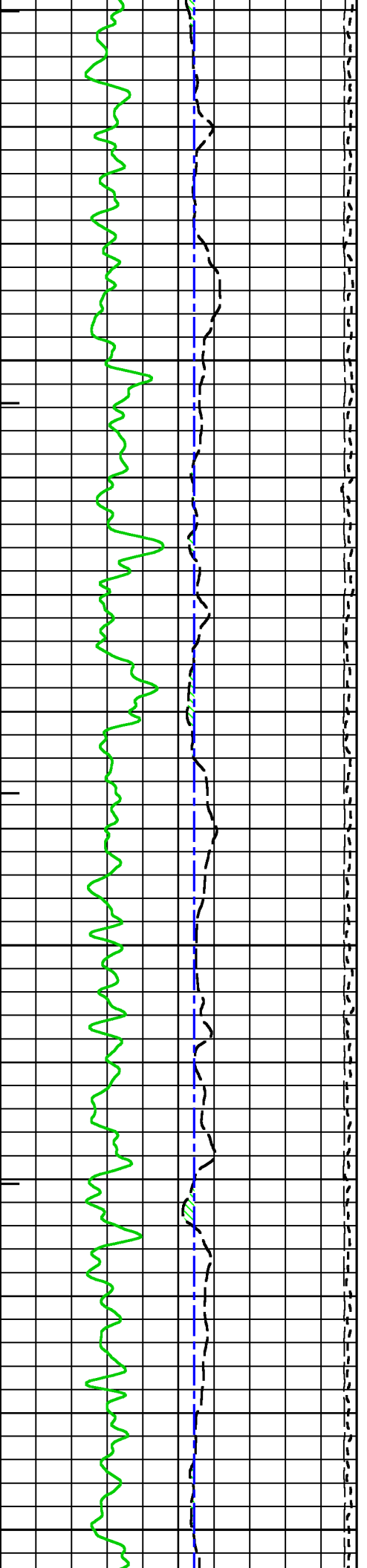


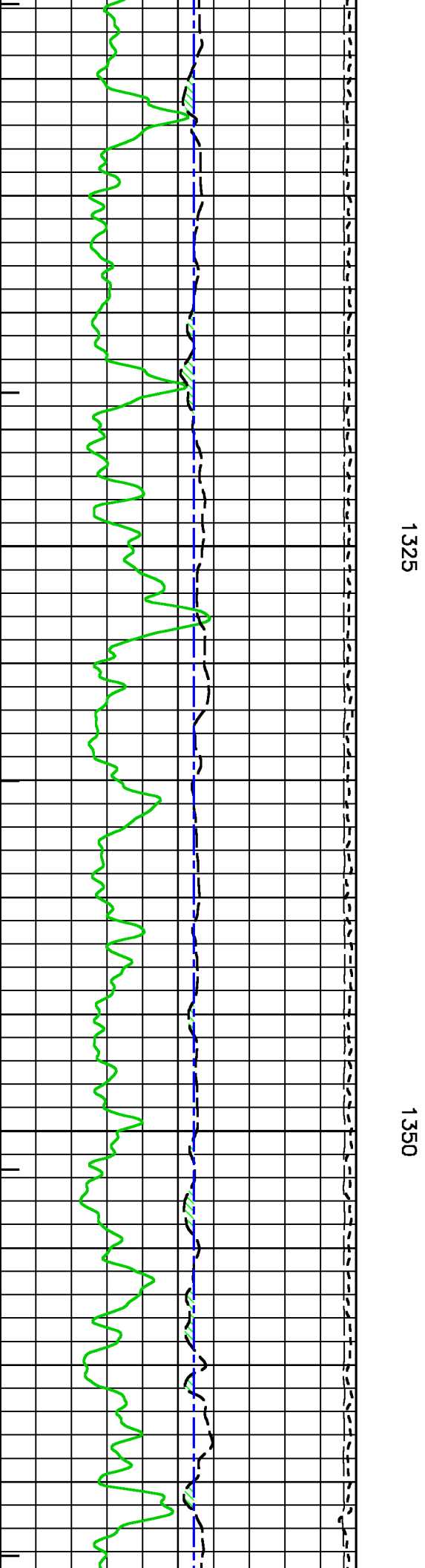
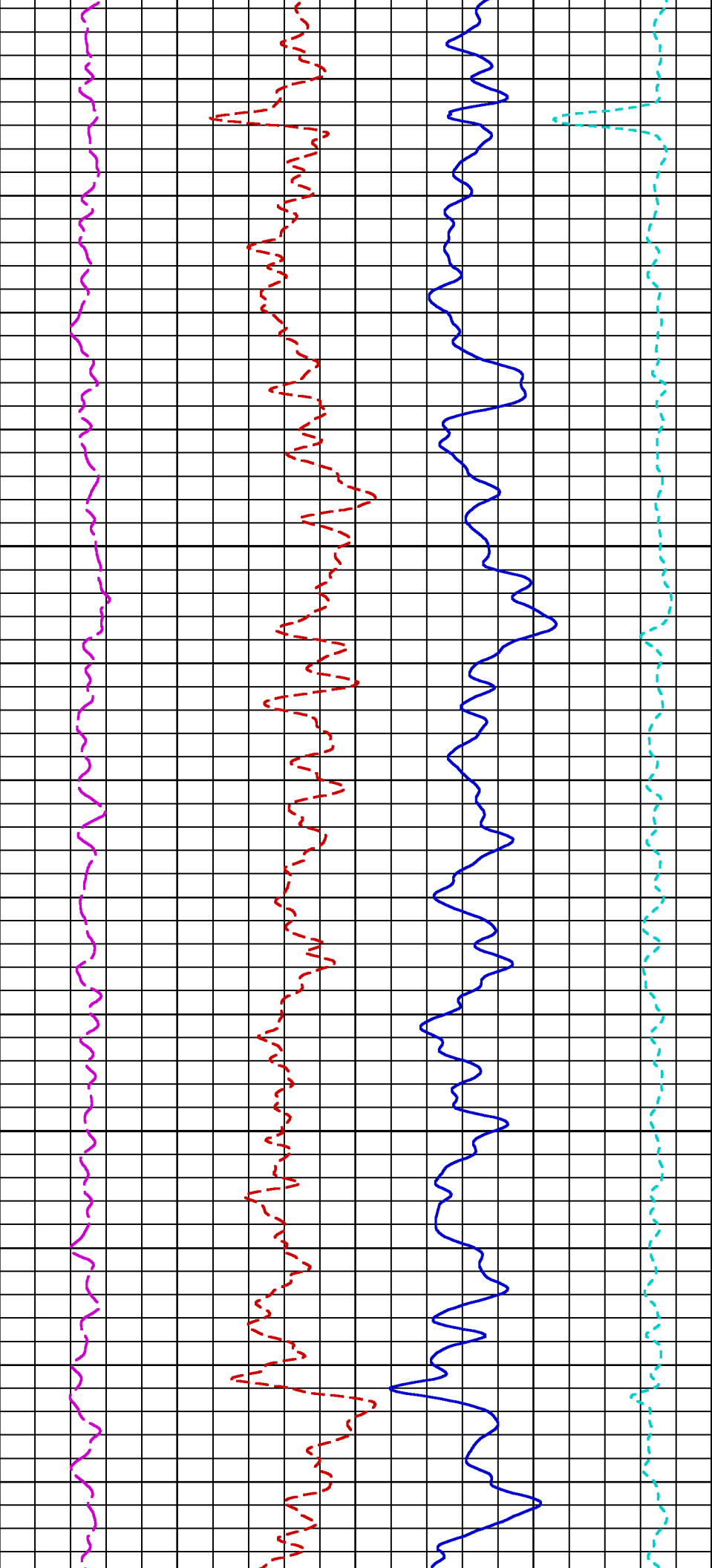


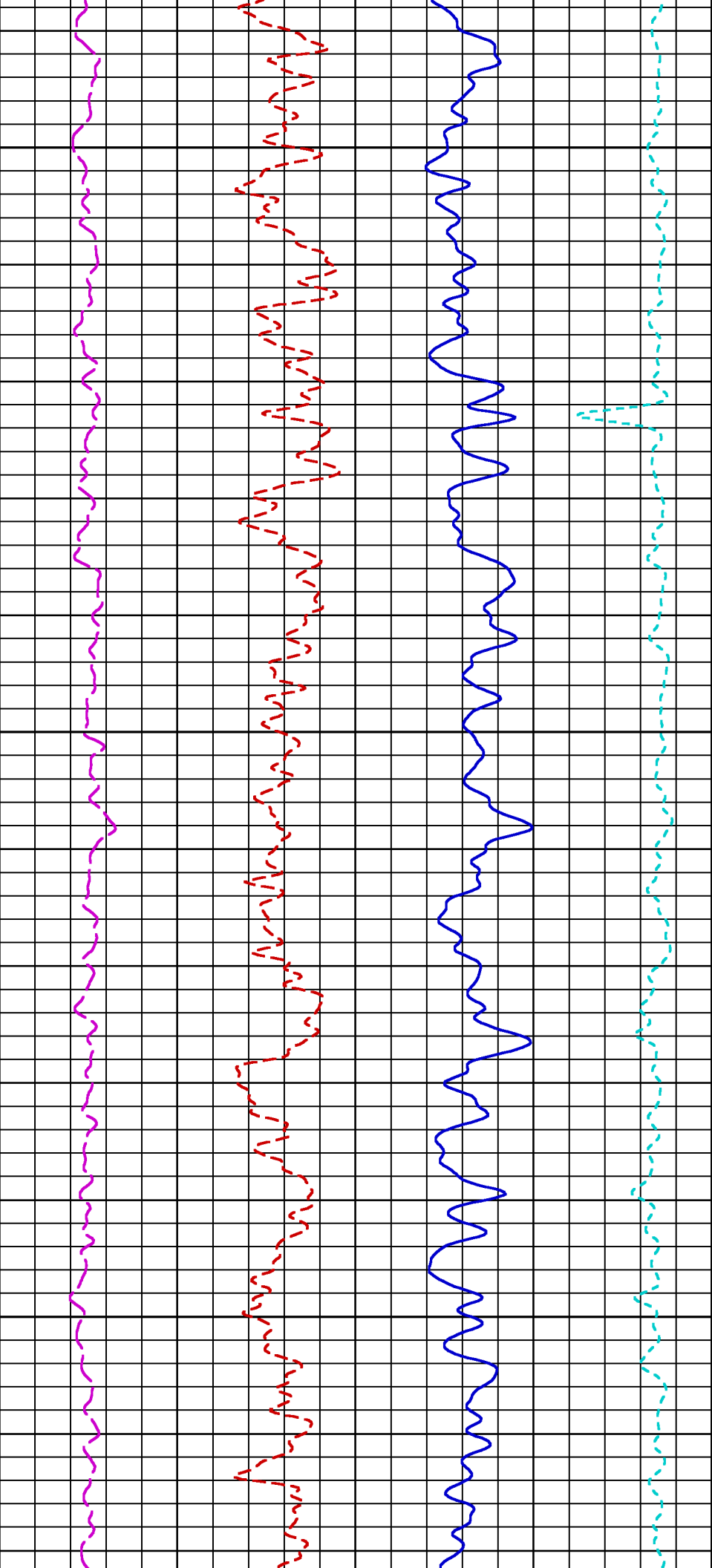
1250

1275

1300



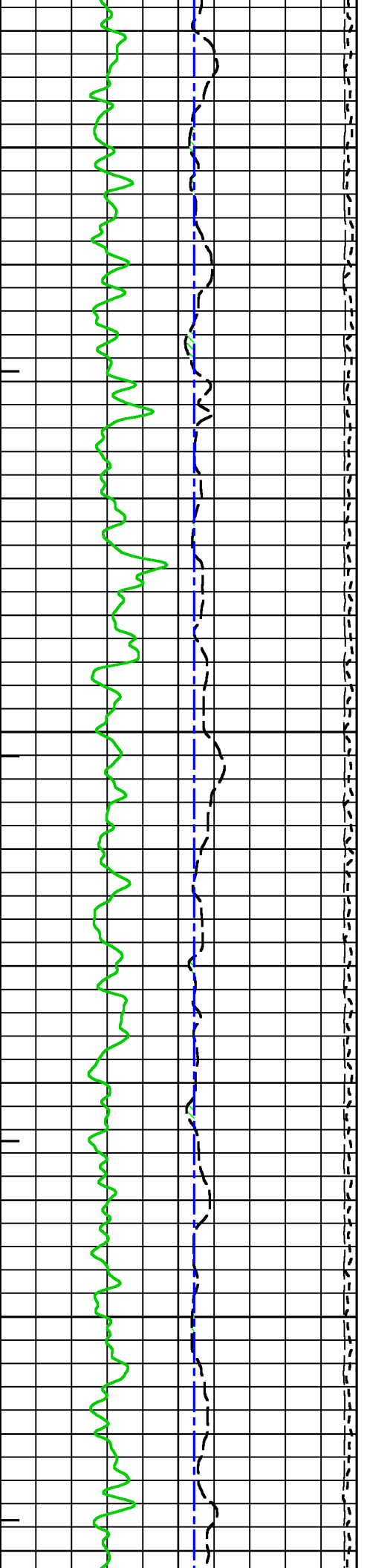


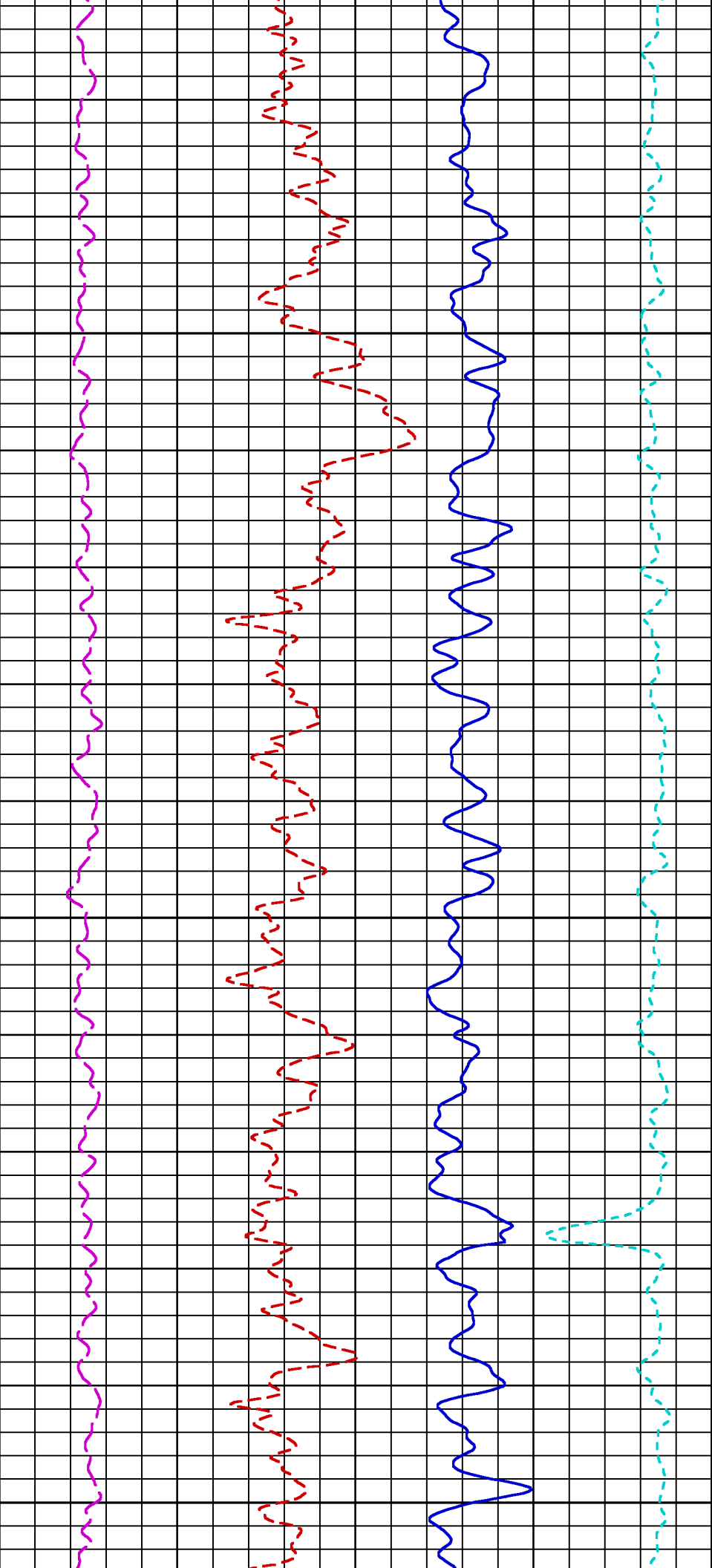


1375

1400

1425

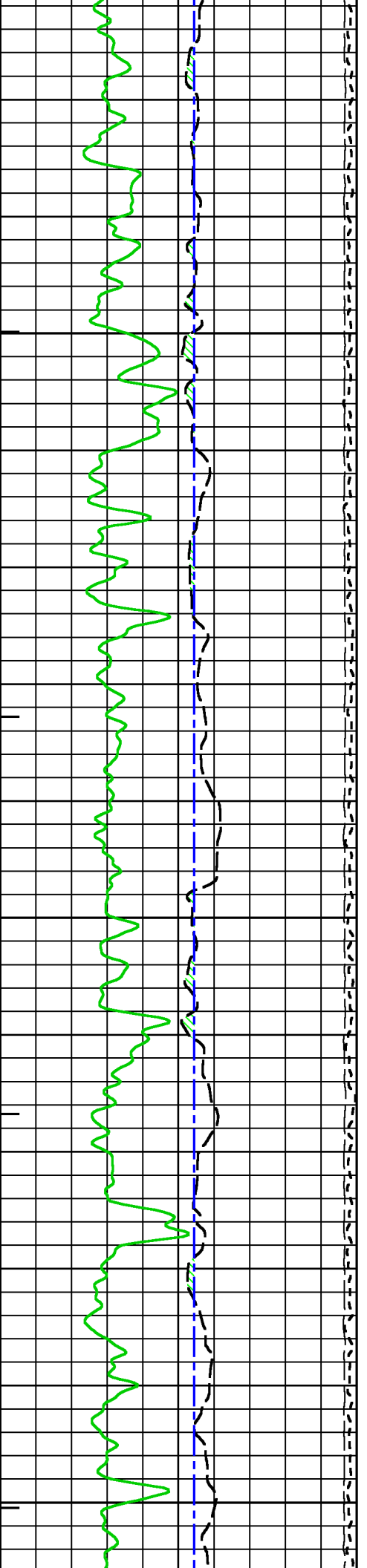


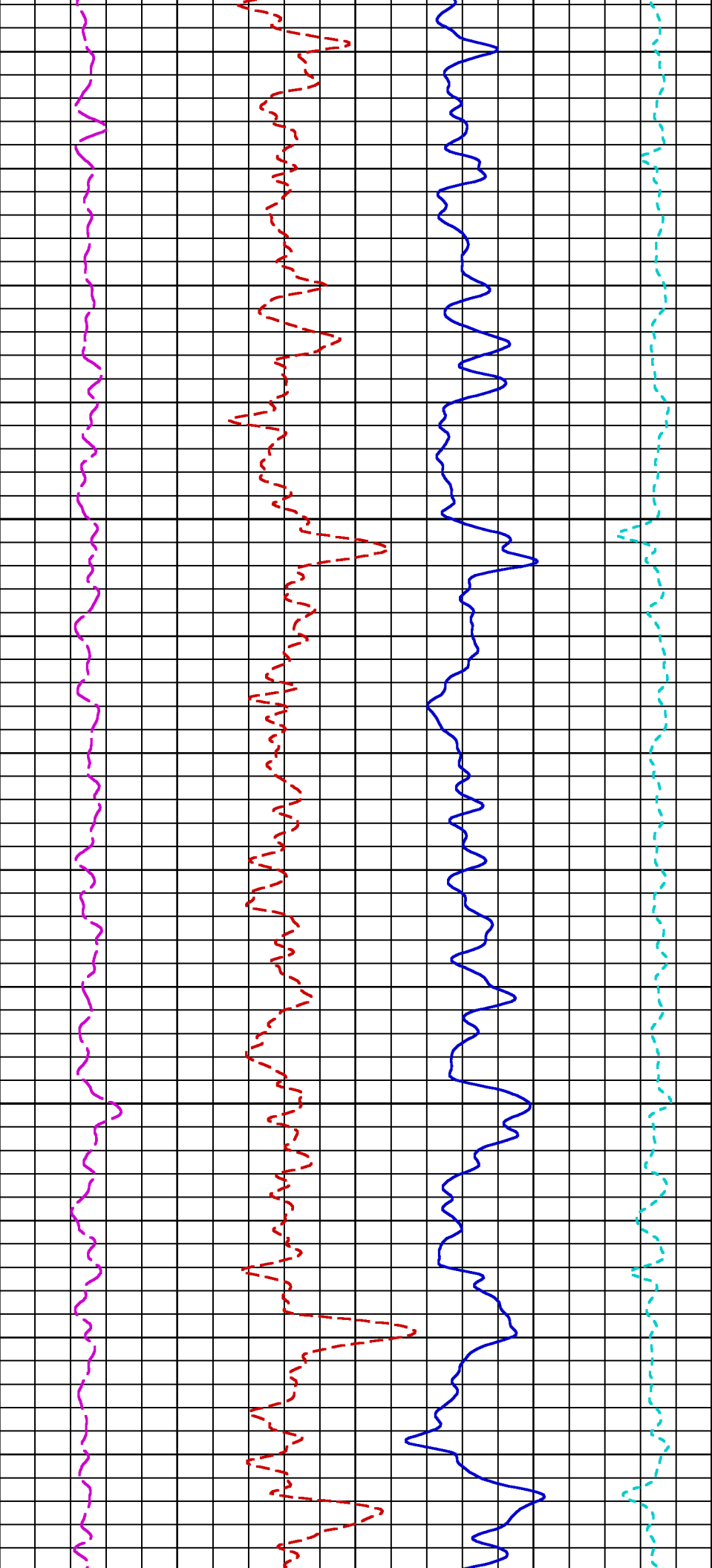


1450

1475

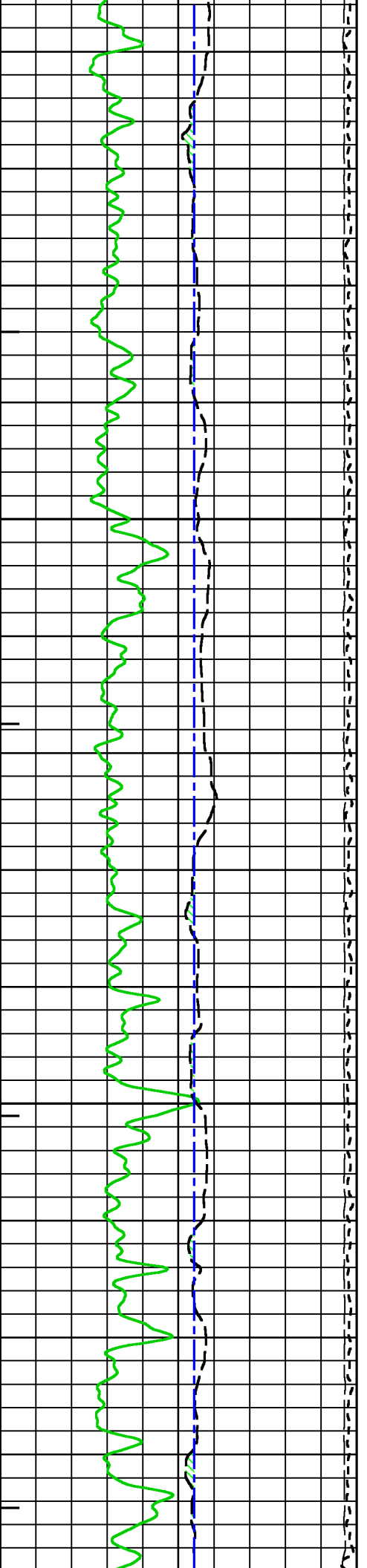
1500

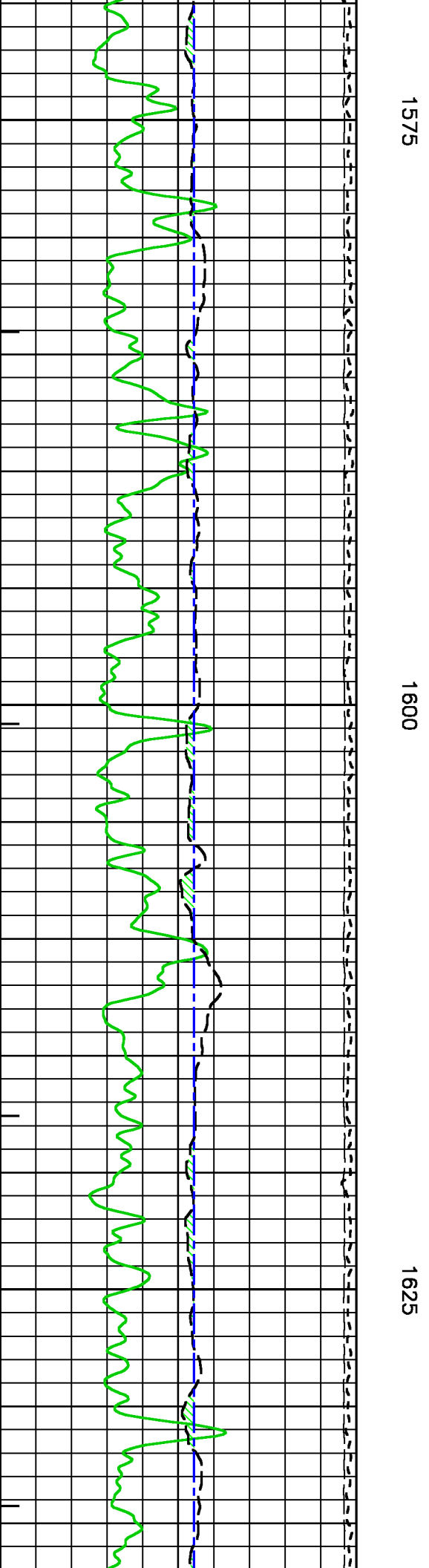
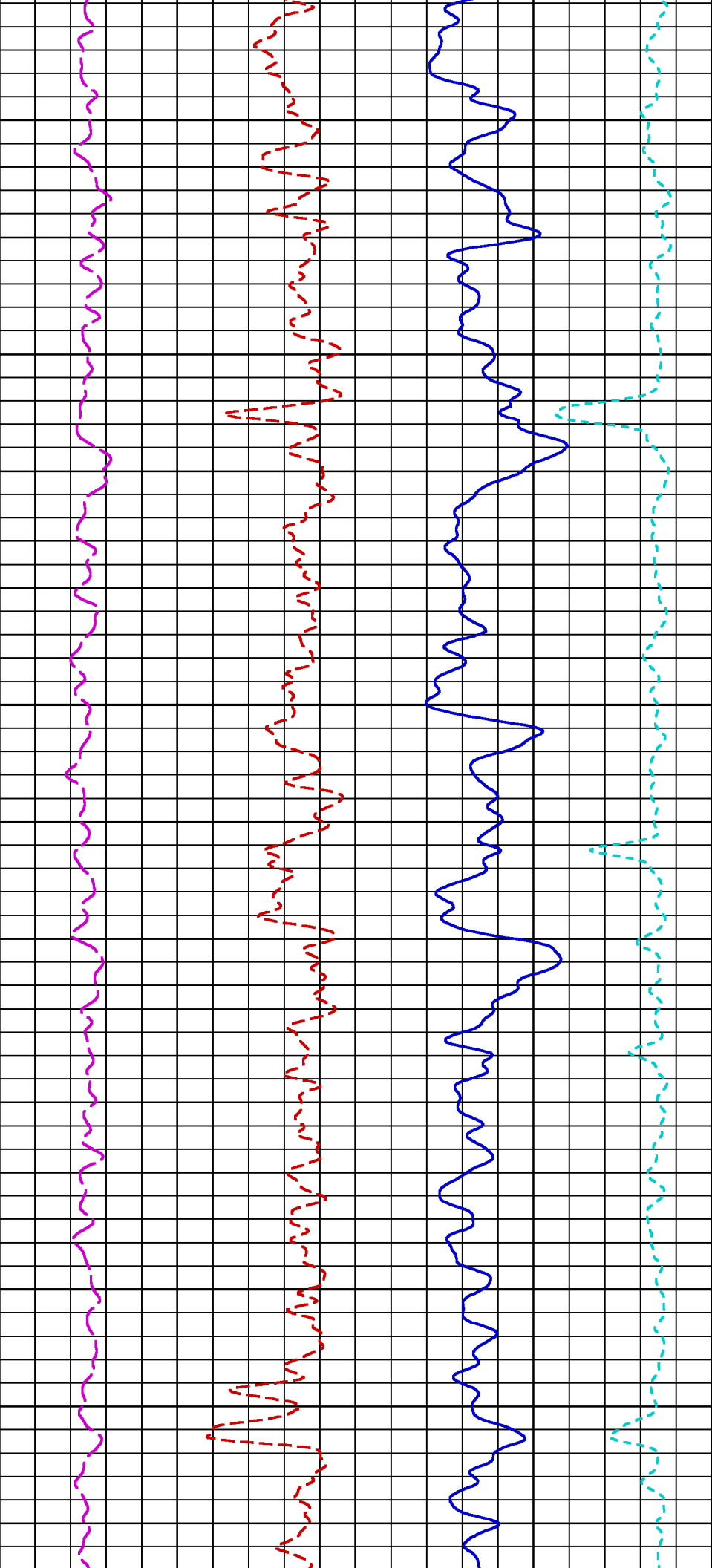


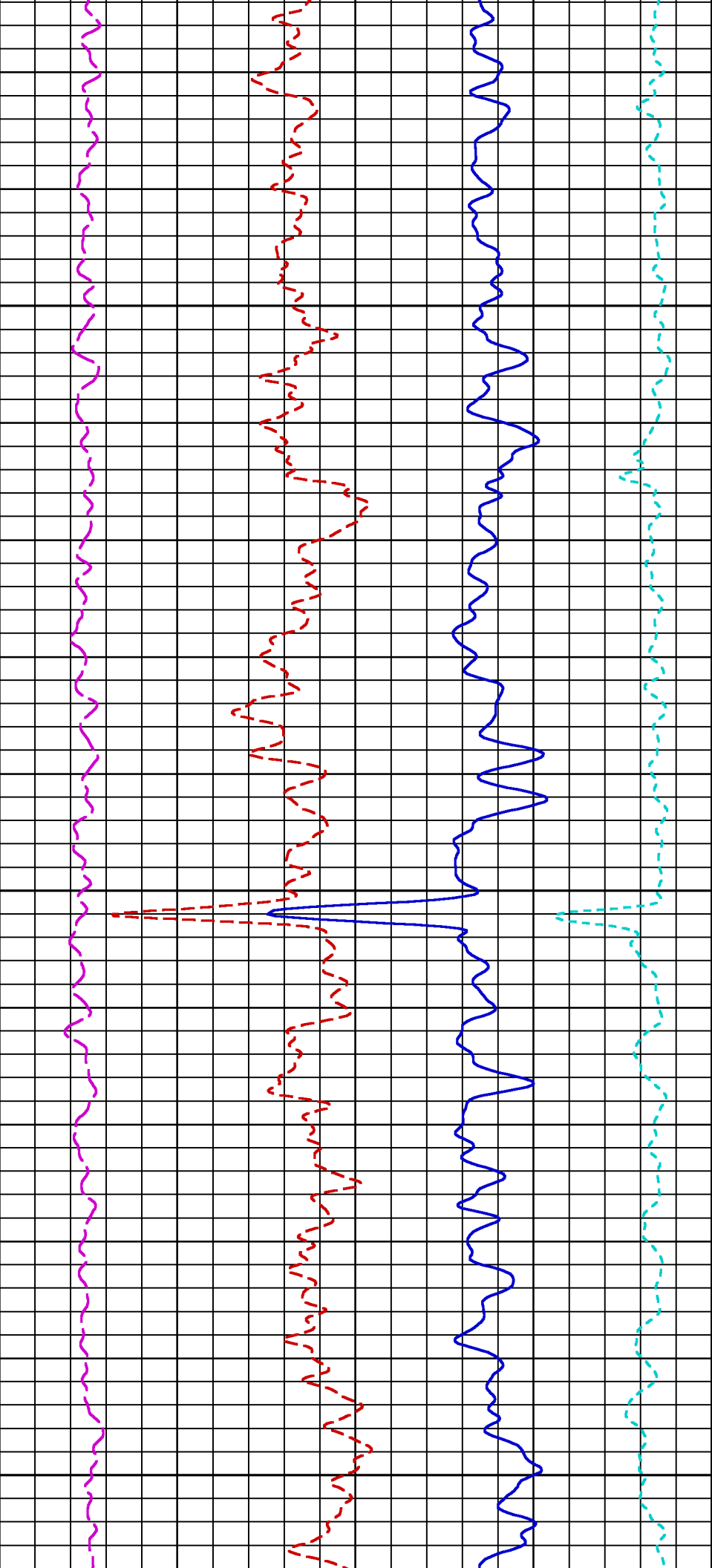


1525

1550



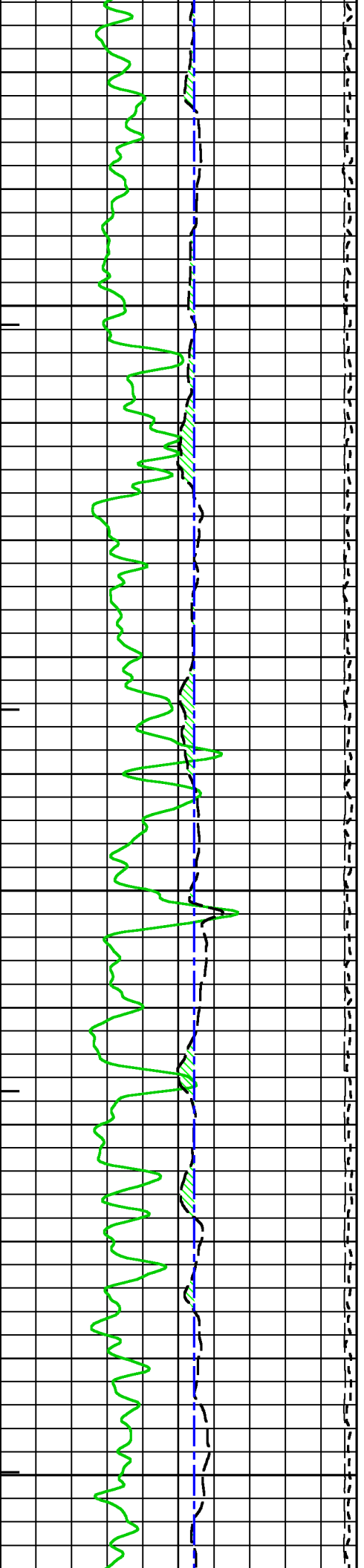


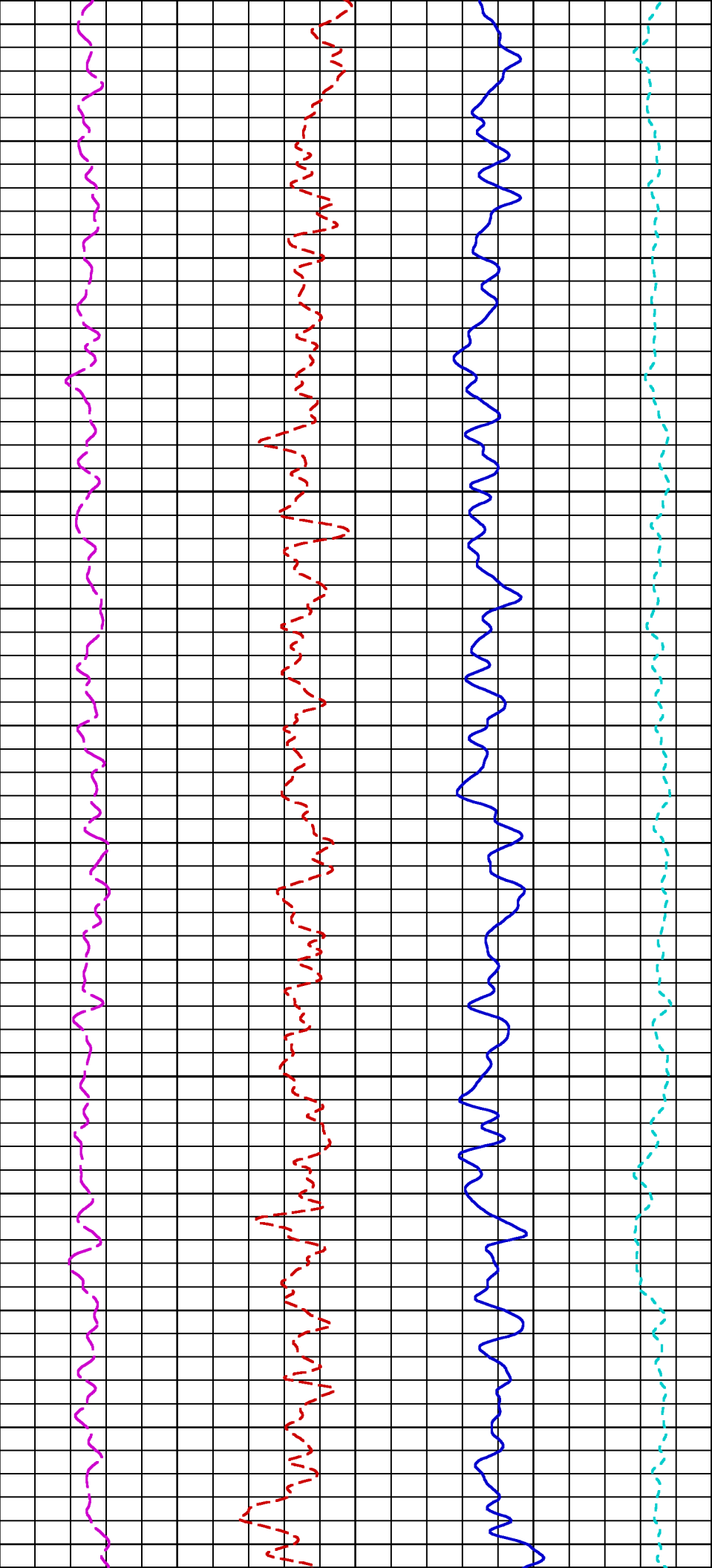


1650

1675

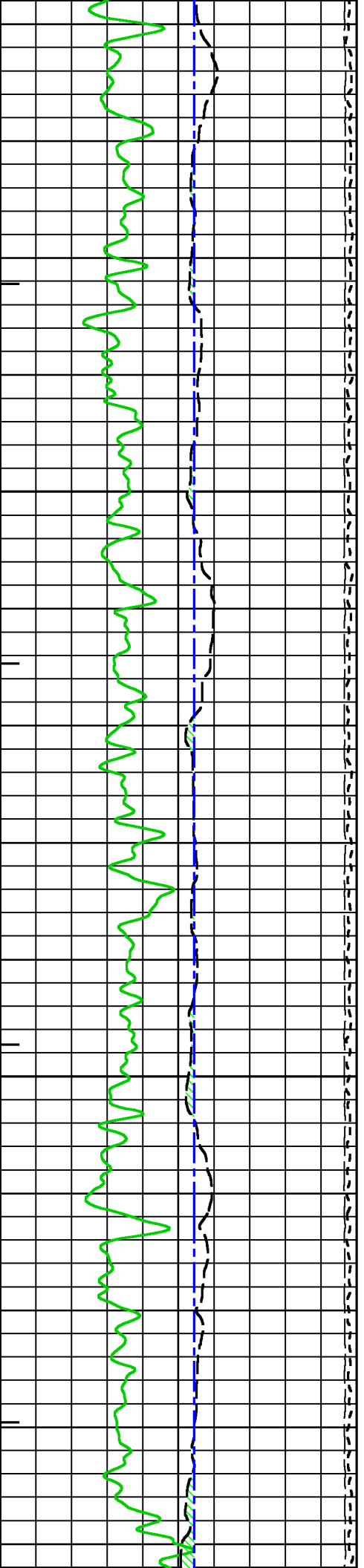
1700

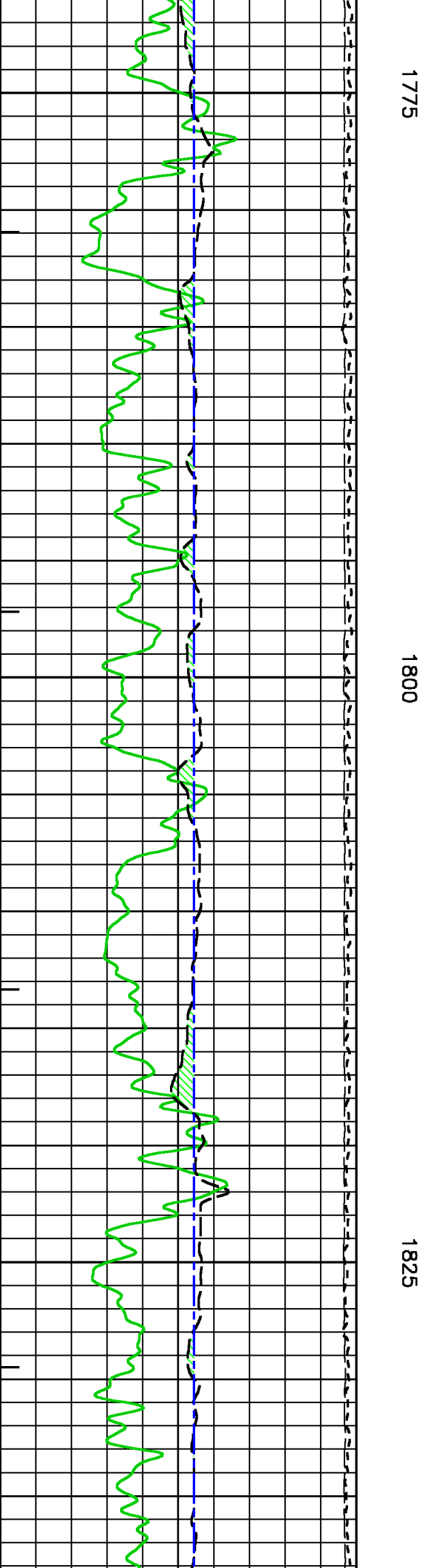
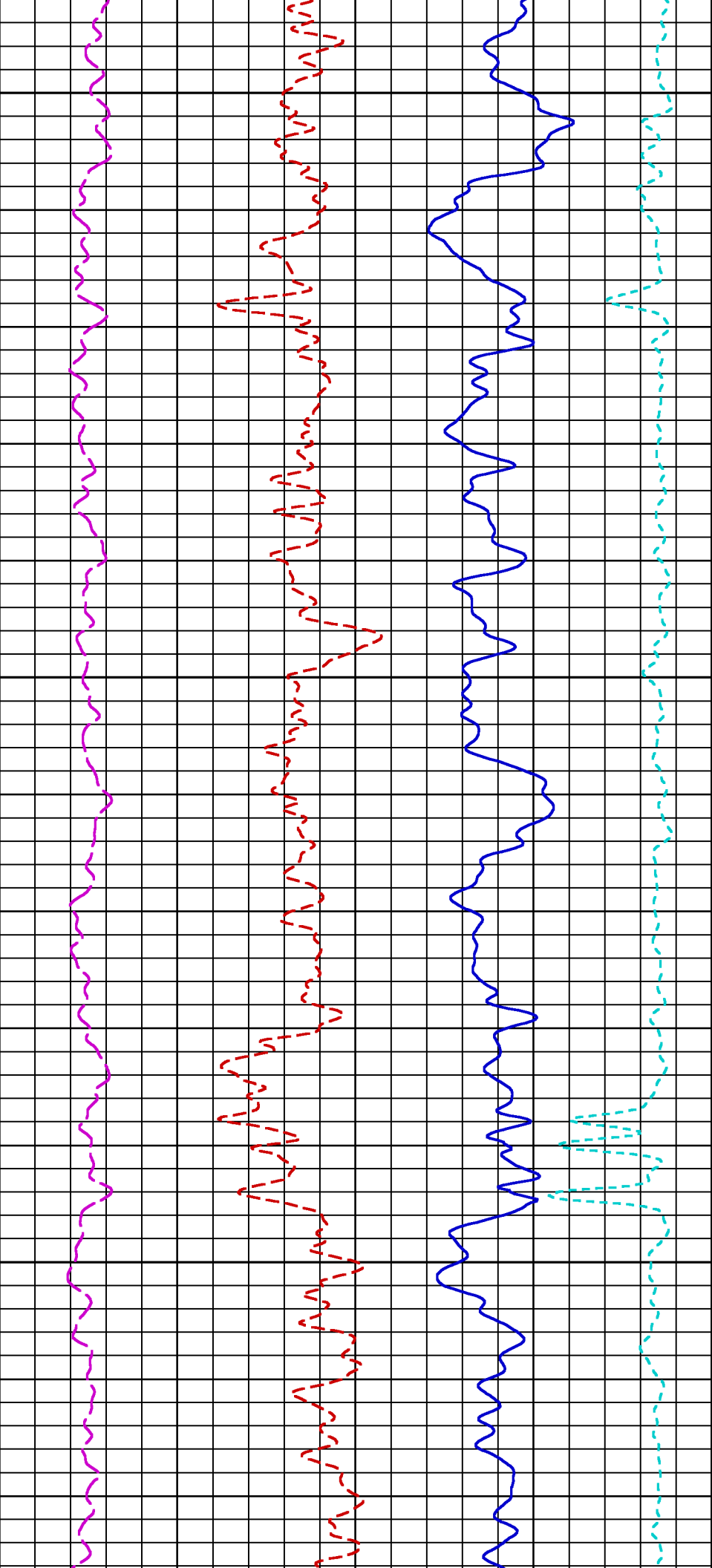


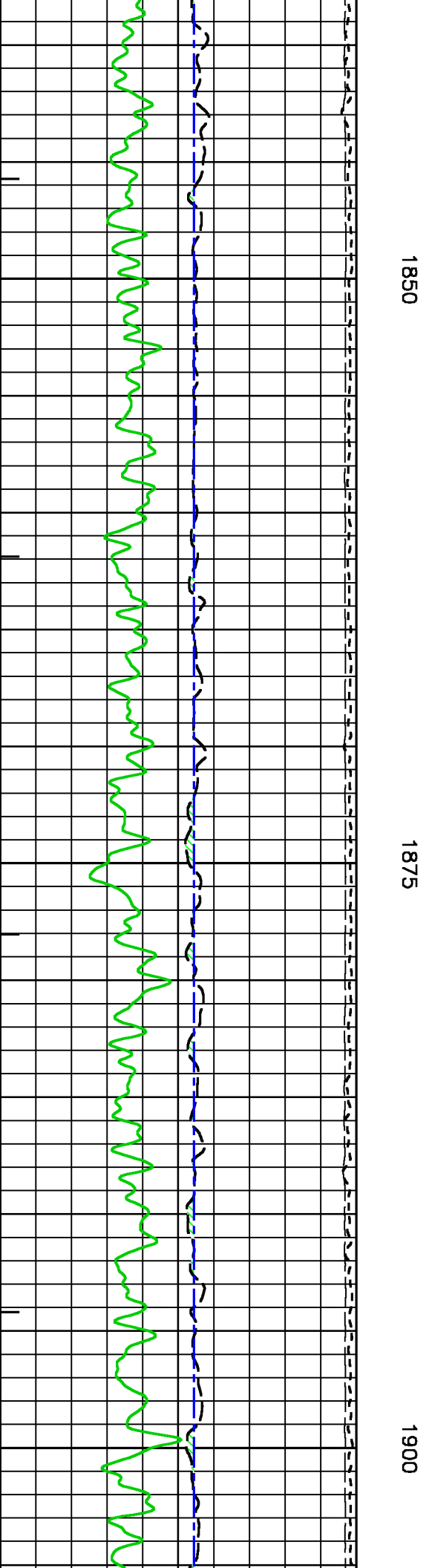
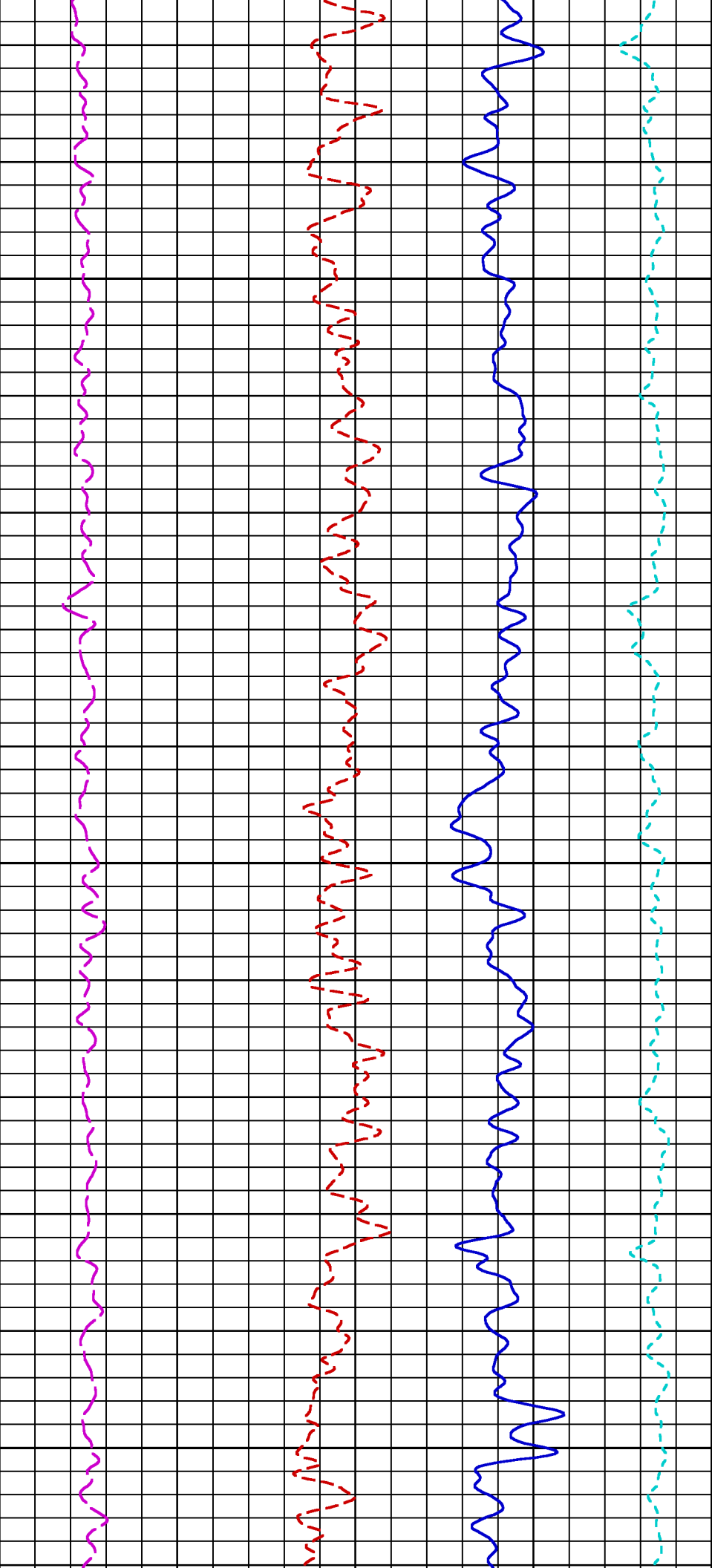


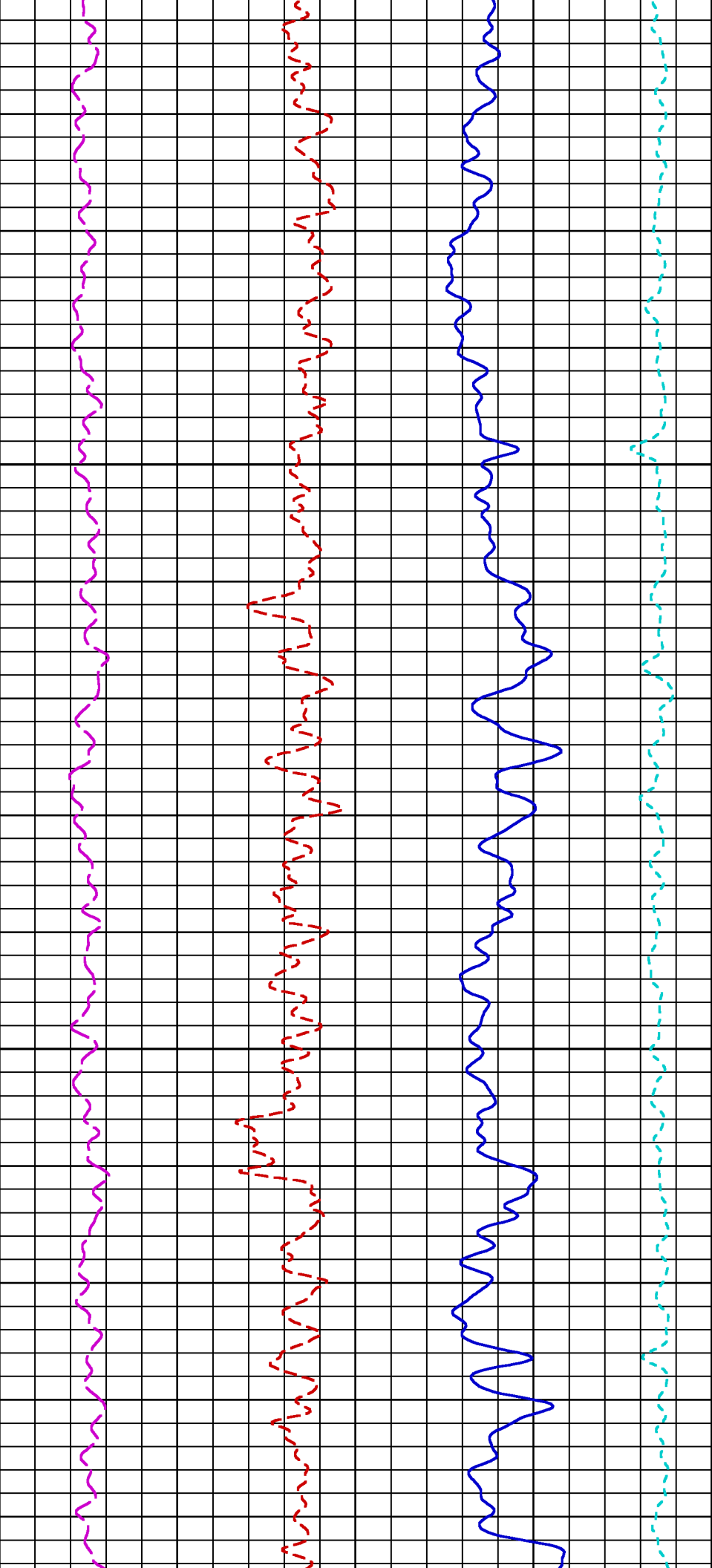
1725

1750



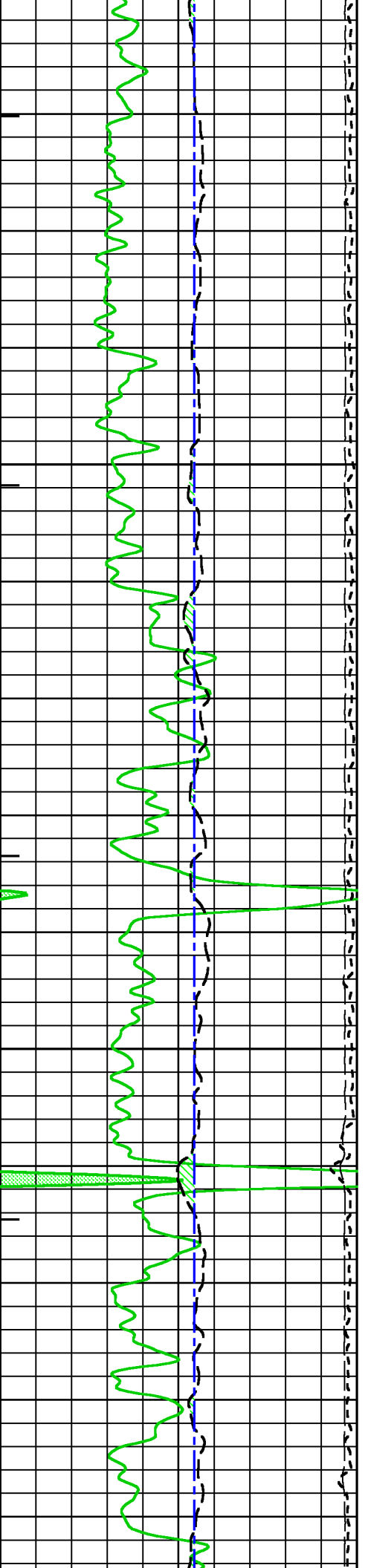


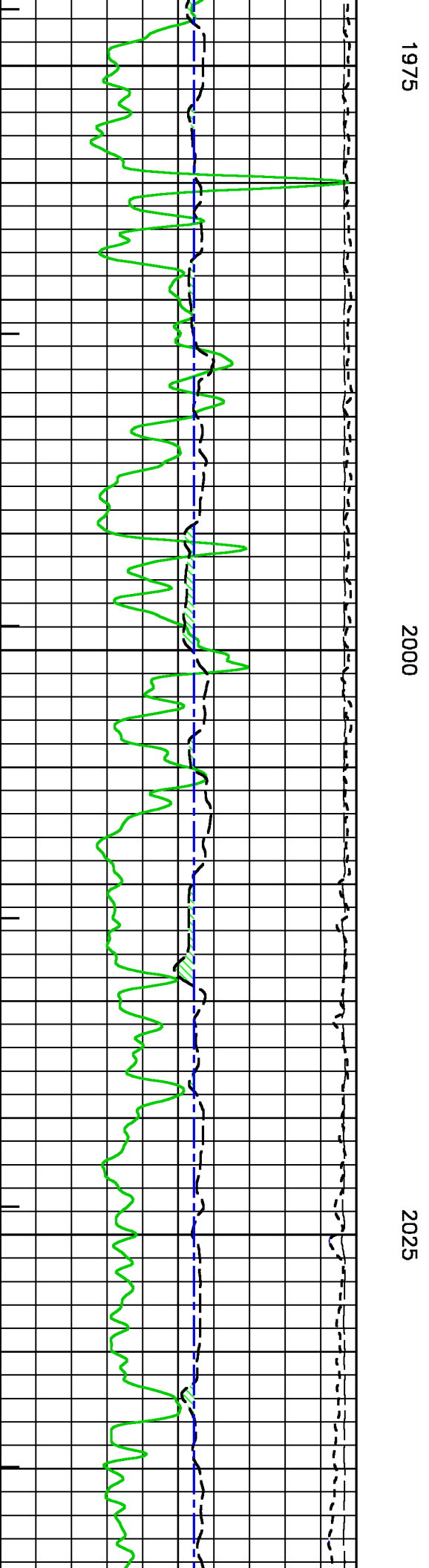
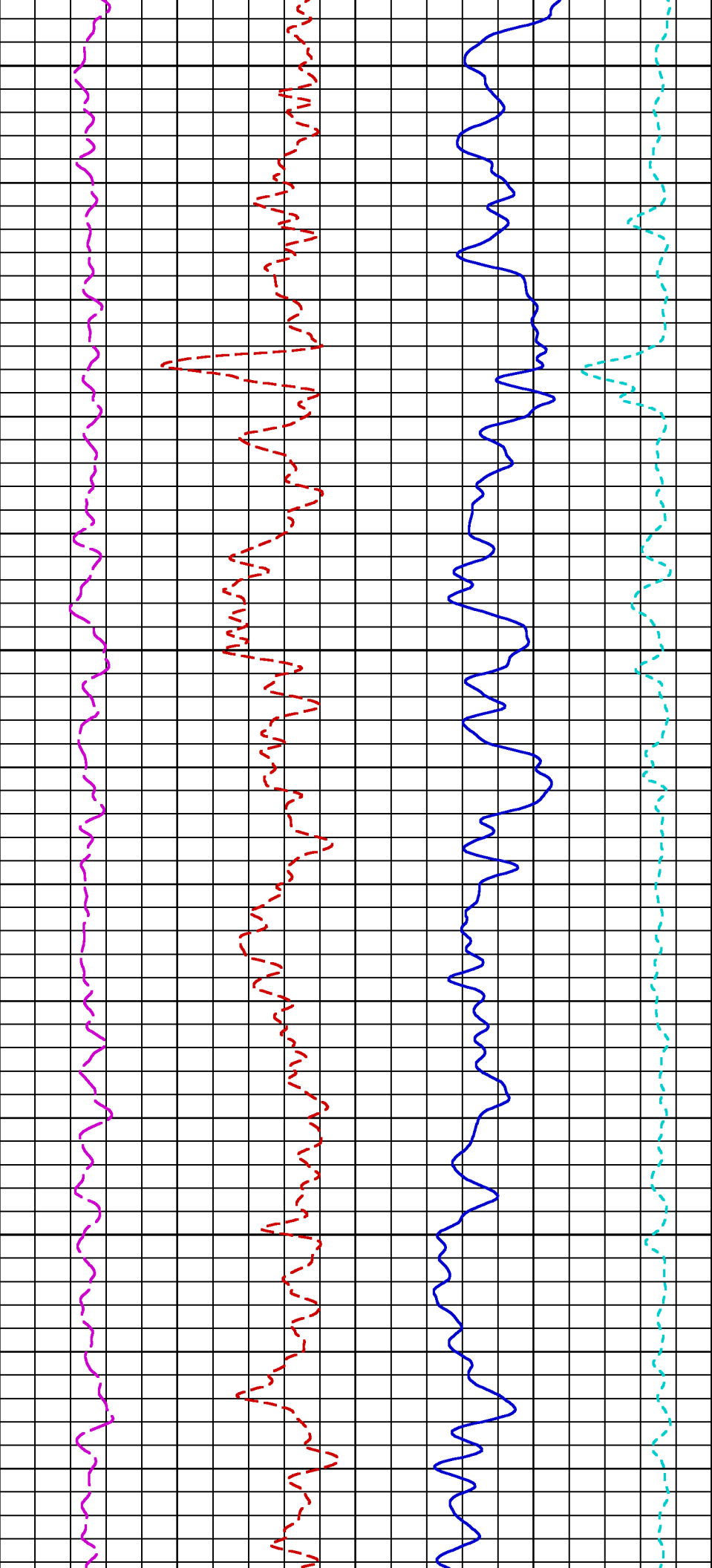


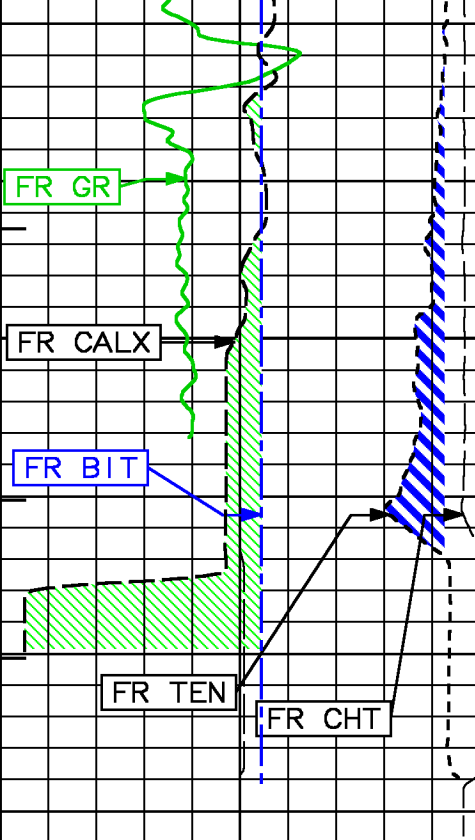


1925

1950



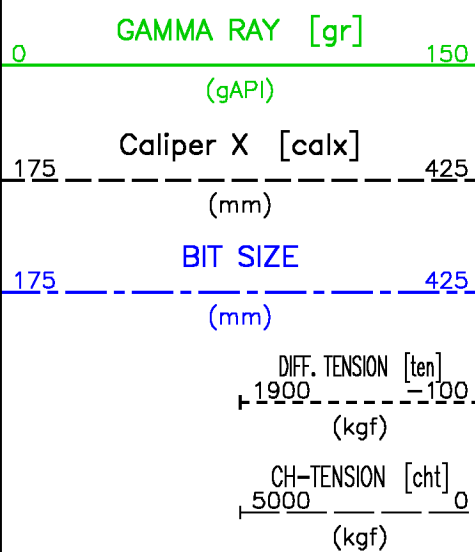




2050

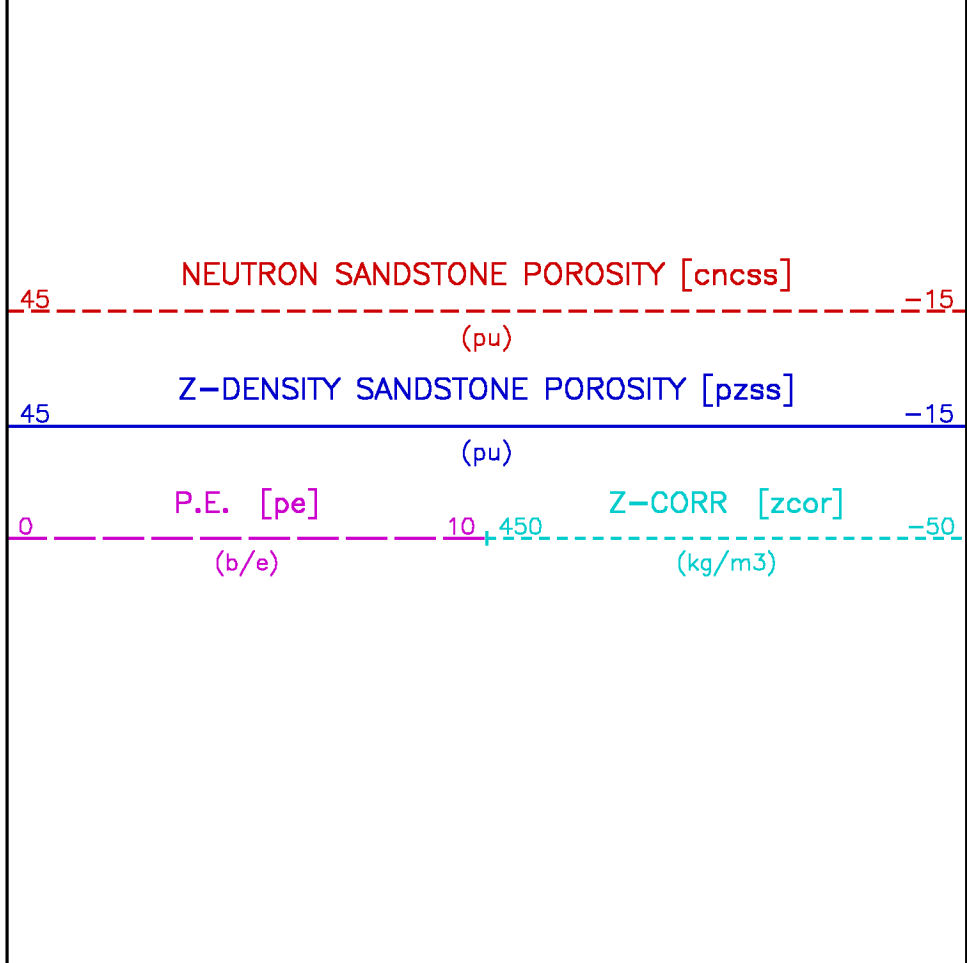
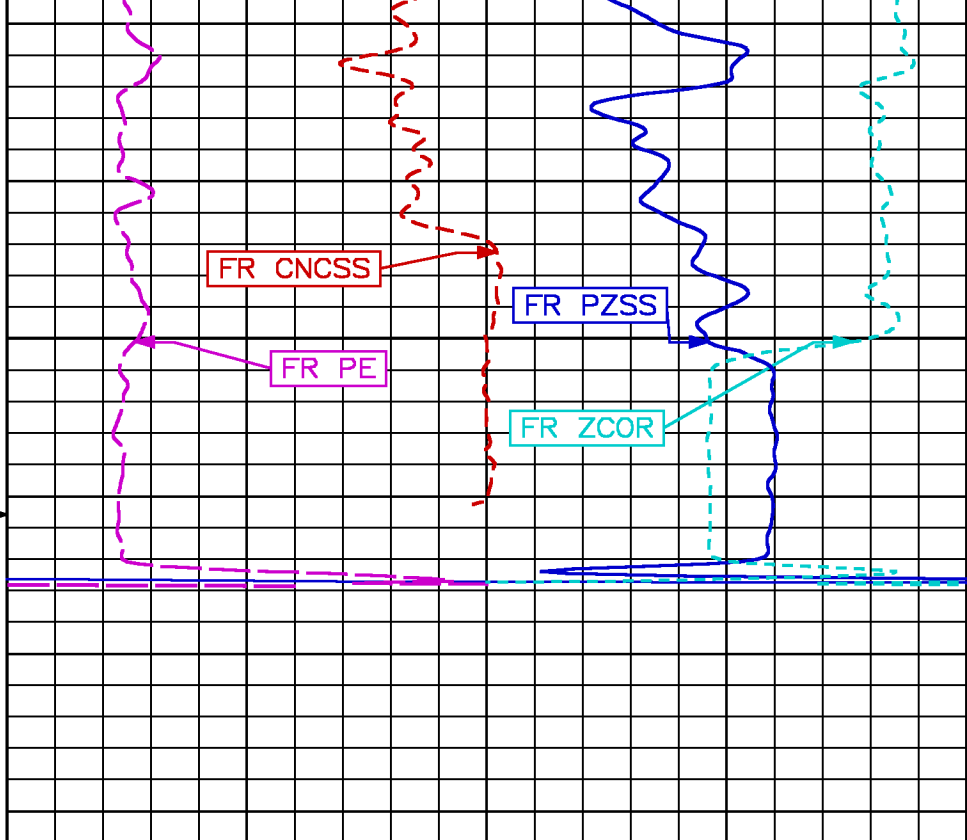
TD

METERS



MINUTE MARK

1



REPEAT LOG - SANDSTONE MATRIX

PARAMETER AND FILTER SUMMARY REPORT

File: /data/pass/Vulcan/k970a02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 1946.729 m BOTTOM DEPTH: 2067.349 m

SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CHT	FILTER ()	medium (1)		TOP	BOTTOM
GR MED RES	FILTER ()	medium (1)		''	''
CALIPER	FILTER ()	medium (1)		''	''
TENSION	FILTER ()	medium (1)		''	''
CN MED RES	FILTER ()	medium (1)		''	''
ZDL MED RES	FILTER (hrd1*)	medium		''	''
	FILTER (hrd1s*)	medium		''	''
	FILTER (hrd2*)	medium		''	''
	FILTER (hrd2s*)	medium		''	''
	FILTER (soft*)	medium		''	''

BOREHOLE & CEMENT					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	244.500	mm	TOP	BOTTOM
	CASING THICKNESS	0.000	mm	''	''
X-Y COMBINED CALIPER PROCESSING-FOCM	Caliper - FOCUS	Average		''	''
BIT SIZE	BIT SIZE	311.000	mm	''	''
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		''	''
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	311.000	mm	''	''

ACCELERATION PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ACCEL CORR SWITCH	ACCEL DEPTH CORR	CORRECTION ON		TOP	BOTTOM

CN PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN BOREHOLE CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
	BOREHOLE CORRECTION	ON		''	''
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		''	''
	BIT SIZE BEHIND CSNG	445.000	mm	''	''

ZDL PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
DENSITY POROSITY	RHOfluid	1.000	g/cm3	TOP	BOTTOM
	RHOmatrix (sand)	2.650	g/cm3	''	''

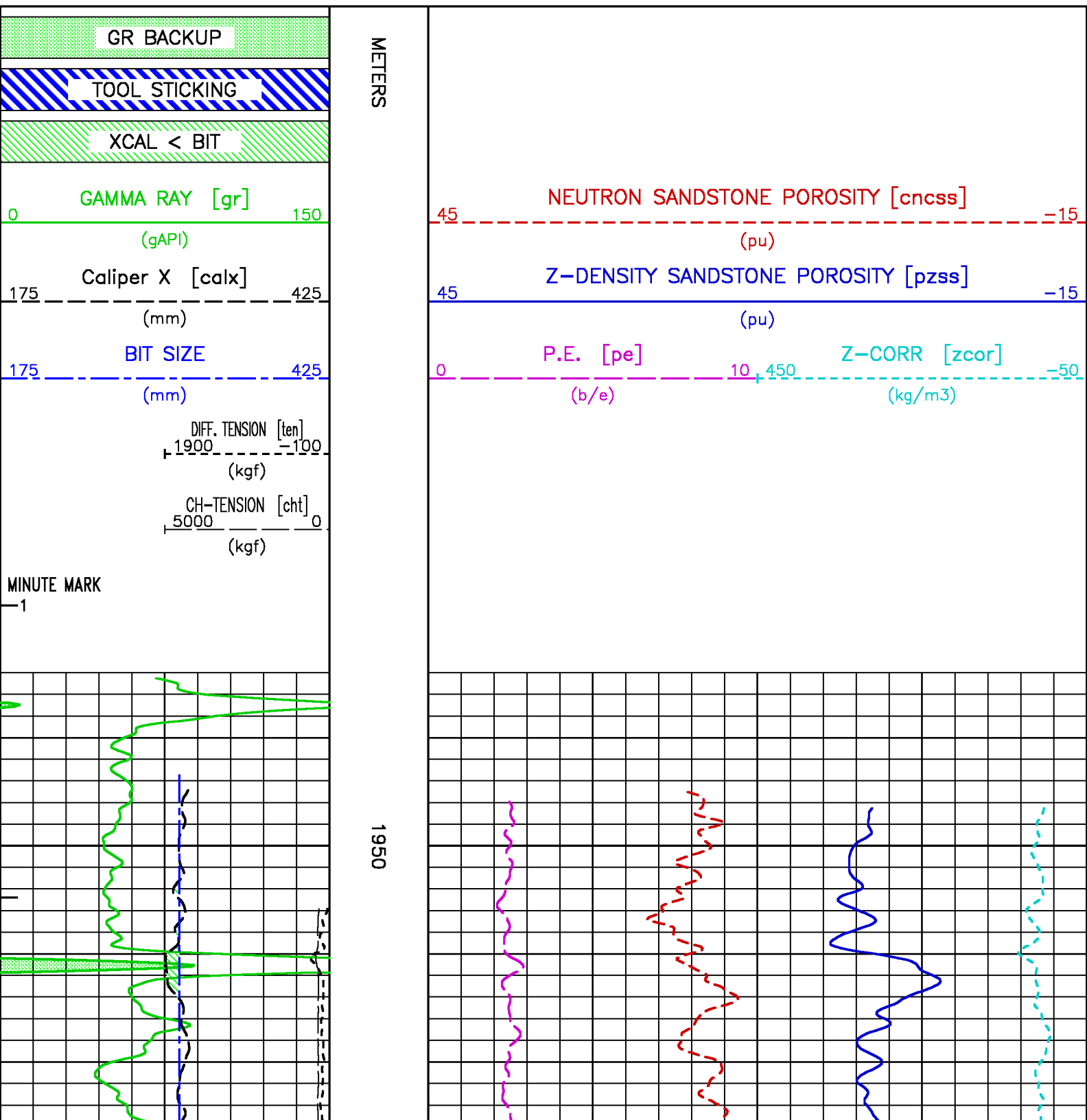
CURVE DESCRIPTION REPORT

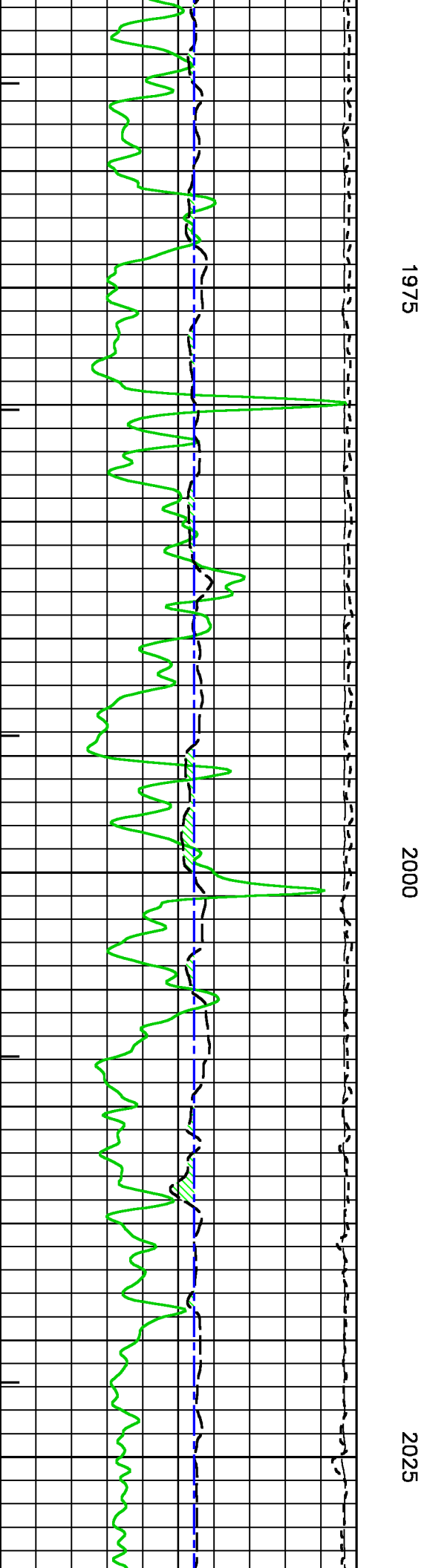
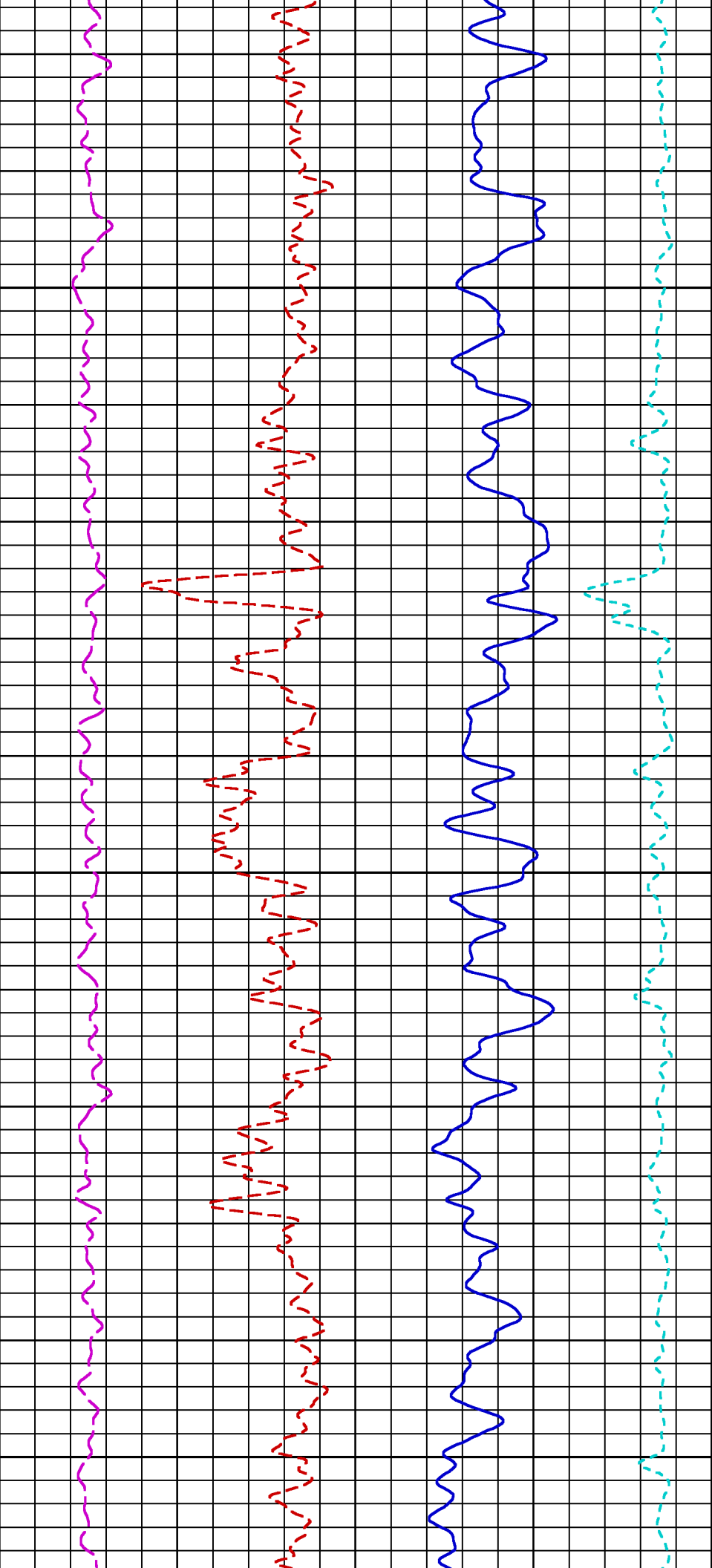
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Aug 16 03:25:51 2009	BIT SIZE
F1:CALX	CALX	Aug 16 03:25:51 2009	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CHT	CHT	Aug 16 03:25:51 2009	CABLE HEAD TENSION
F1:CNCSS	CNCSS	Aug 16 03:25:51 2009	BH SIZE CORR. SANDSTONE COMPENSATED NEUTRON POROSITY
F1:GR	GR	Aug 16 03:25:51 2009	GAMMA RAY
F1:MMRK	MMRK	Aug 16 03:25:51 2009	MINUTE MARK
F1:PE	PE	Aug 16 03:25:51 2009	PHOTO ELECTRIC CROSS-SECTION
F1:PZSS	PZSS	Aug 16 03:25:51 2009	POROSITY FOR SANDSTONE MATRIX
F1:TEN	TEN	Aug 16 03:25:51 2009	DIFFERENTIAL TENSION
F1:ZCOR	ZCOR	Aug 16 03:25:51 2009	DENSITY CORRECTION

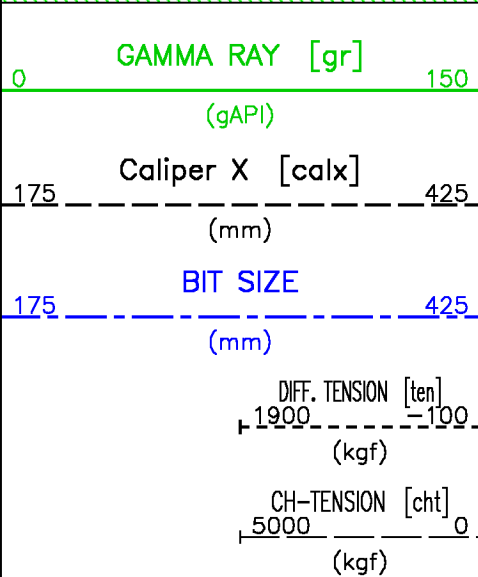
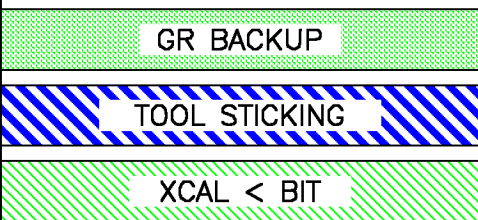
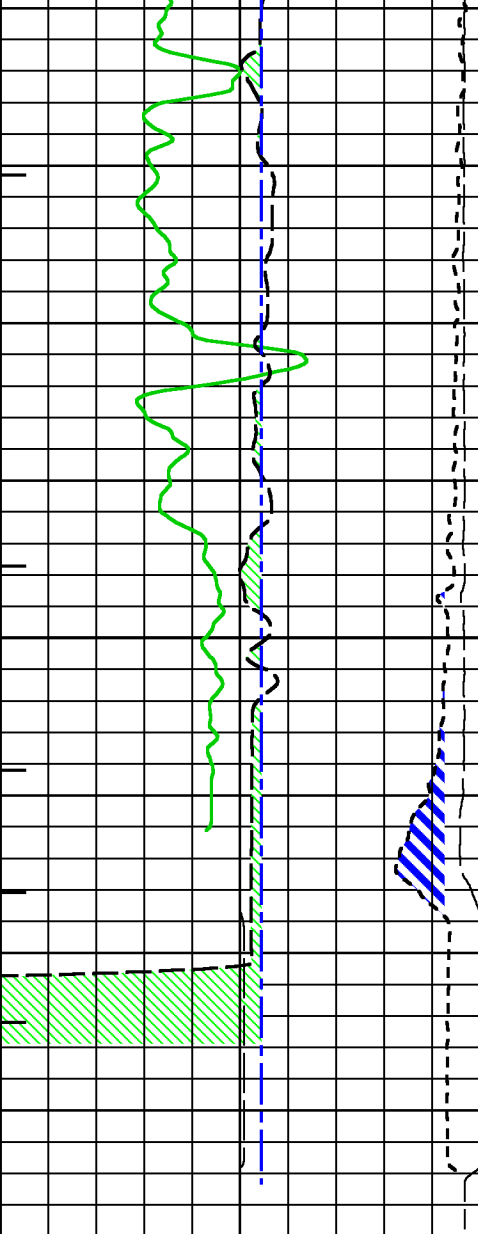
CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CNCSS	8.34	PZSS	5.49		
CALX	5.49	GR	10.67	TEN	0.00		
CHT	0.00	PE	5.49	ZCOR	5.49		

Presentation	: cpu1:/dat1a/pass/Vulcan/fzdL_rpt_ss.pdf [1:240 Scale]
Plot Interval	: 1938.53 - 2068.75 Meters
Data File 1	: F1 : cpu1:/dat1a/pass/Vulcan/r1t1_repeat.xtf
Created On	: Aug 16 08:46:45 2009
Company	: Vulcan Minerals Ltd
Well	: Robinson #1
Field	: Robinson
File Interval	: 1936.55 - 2068.75 Meters
Oct	: k970a



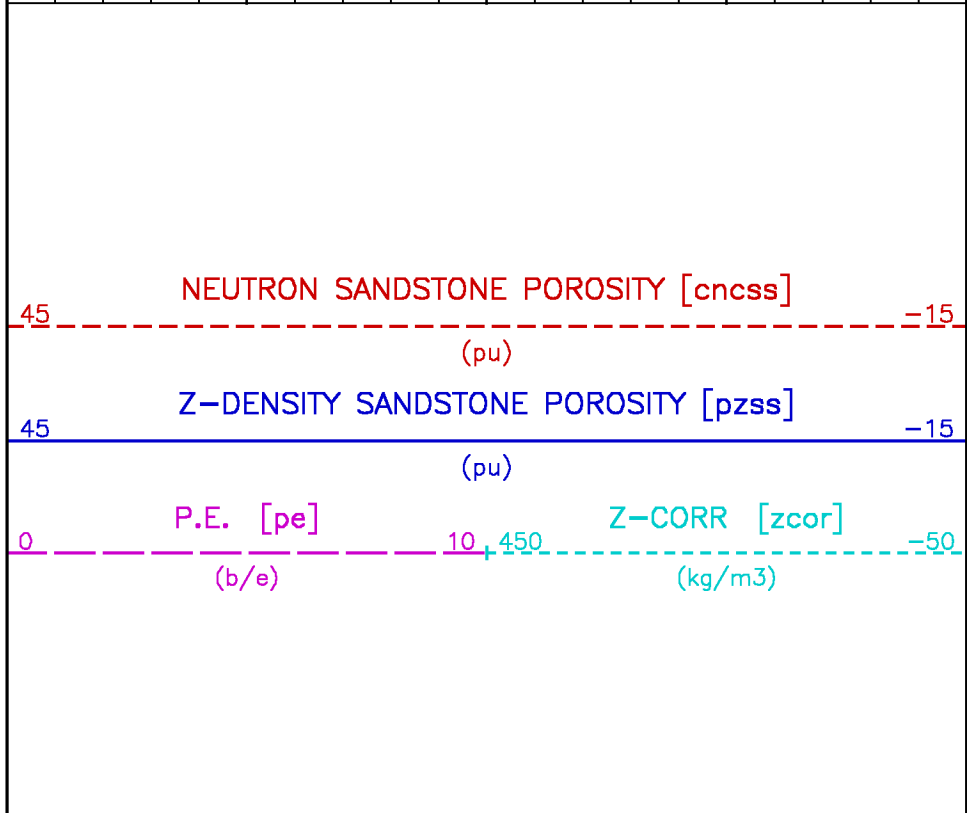
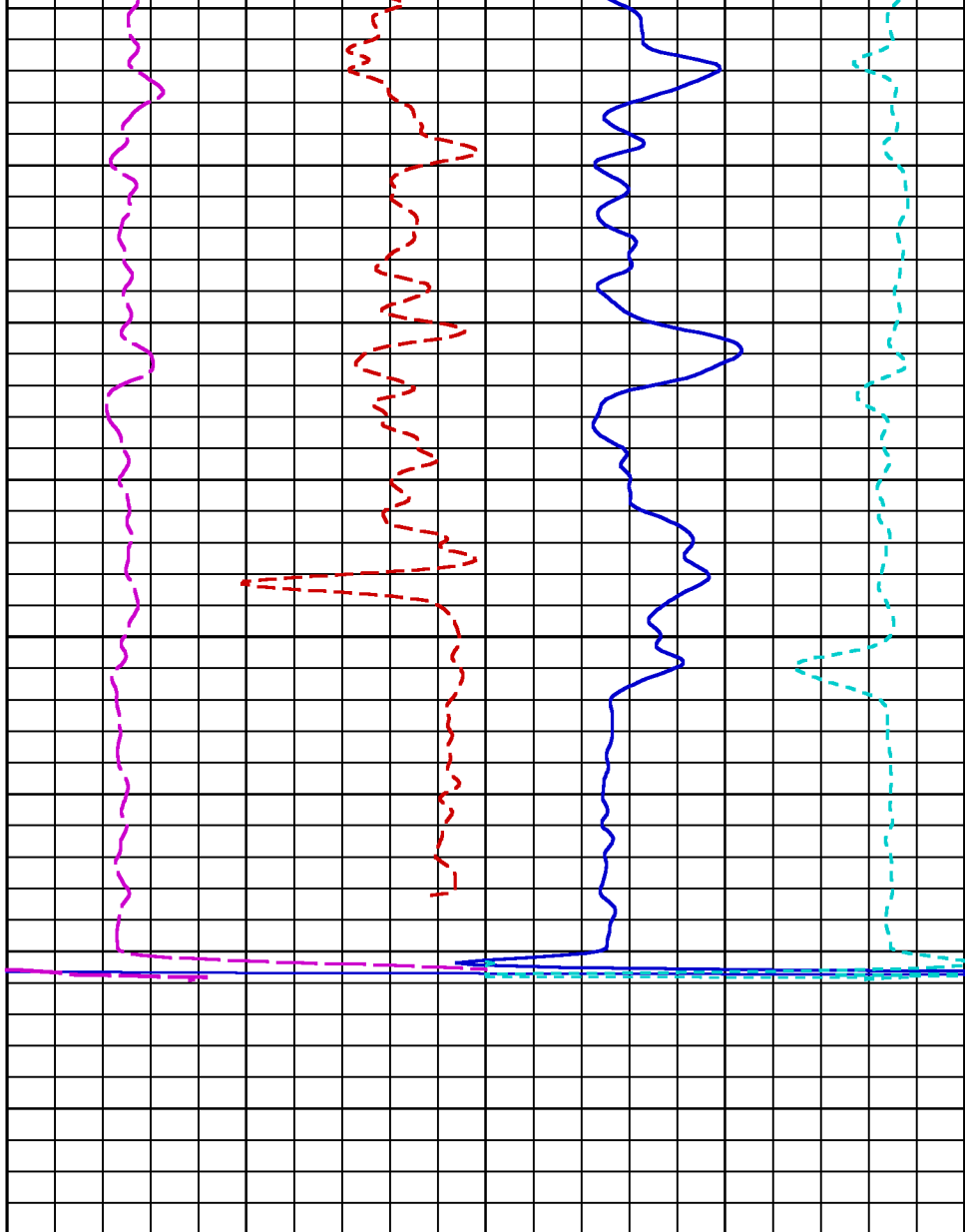




2050

METERS

MINUTE MARK



GR - CN

ECLIPS 6.0i Feb 21, 2008
Updates: 1,40,43

Sun Aug 16 09:32:22 2009

Pcrplt /main/62

Cplot

Pdf_Cpp /main/16

Fileview 5.42

PARAMETER AND FILTER SUMMARY REPORT

File: /data/pass/Vulcan/k970a04.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 16.038 m BOTTOM DEPTH: 2064.135 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
GR MED RES	FILTER ()	medium (1)		TOP	BOTTOM
CN MED RES	FILTER ()	medium (1)		' '	' '

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	244.500	mm	TOP	BOTTOM
	CASING THICKNESS	10.900	mm	TOP	822.814
		0.000	mm	822.814	BOTTOM
X-Y COMBINED CALIPER PROCESSING-FOCM	SY Caliper - FOCUS	Average		TOP	BOTTOM
BIT SIZE	BIT SIZE	311.000	mm	' '	' '
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE FIXED SIZE		TOP	814.838
		USE CALIPER		814.838	BOTTOM
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	317.900	mm	TOP	803.452
		311.000	mm	803.452	BOTTOM

ACCELERATION PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ACCEL CORR SWITCH	ACCEL DEPTH CORR	CORRECTION ON		TOP	BOTTOM

CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN BOREHOLE CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
	BOREHOLE CORRECTION	ON		' '	' '
CN CASING & CEMENT CORRECTION	CORRECTION	ON		TOP	824.484
		OFF		824.484	BOTTOM
	BIT SIZE BEHIND CSNG	445.000	mm	TOP	BOTTOM

CURVE DESCRIPTION REPORT

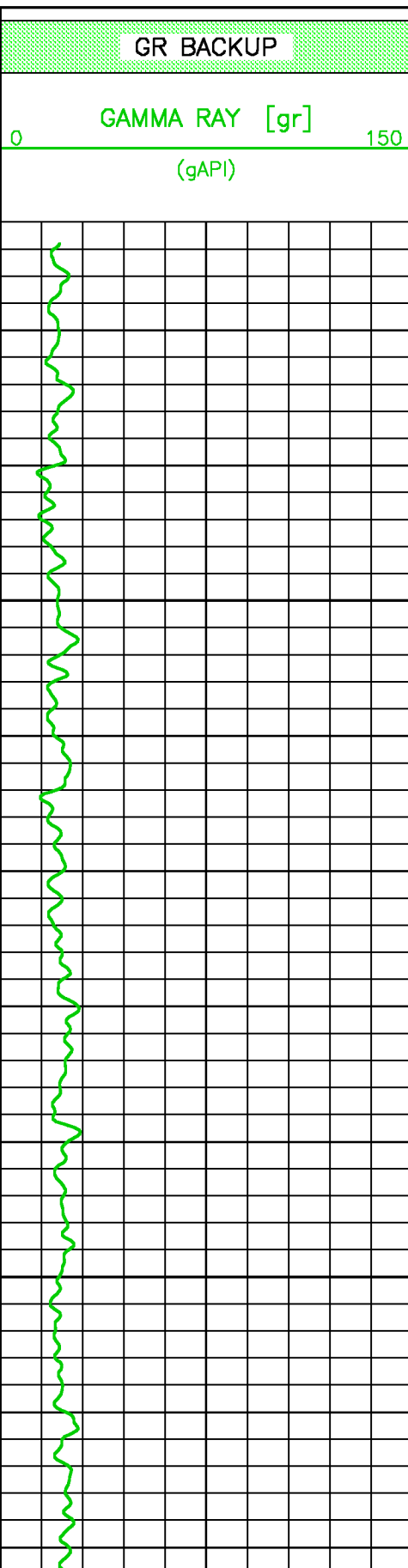
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:CNCSS	CNCSS	Aug 16 04:12:12 2009	BH SIZE CORR. SANDSTONE COMPENSATED NEUTRON POROSITY
F1:GR	GR	Aug 16 04:12:12 2009	GAMMA RAY

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
CNCSS	8.34	GR	10.67				

Presentation : cpu1:/dat1a/pass/Vulcan/gr_cn.pdf [1:240 Scale]
Plot Interval : 8.0772 - 850 Meters

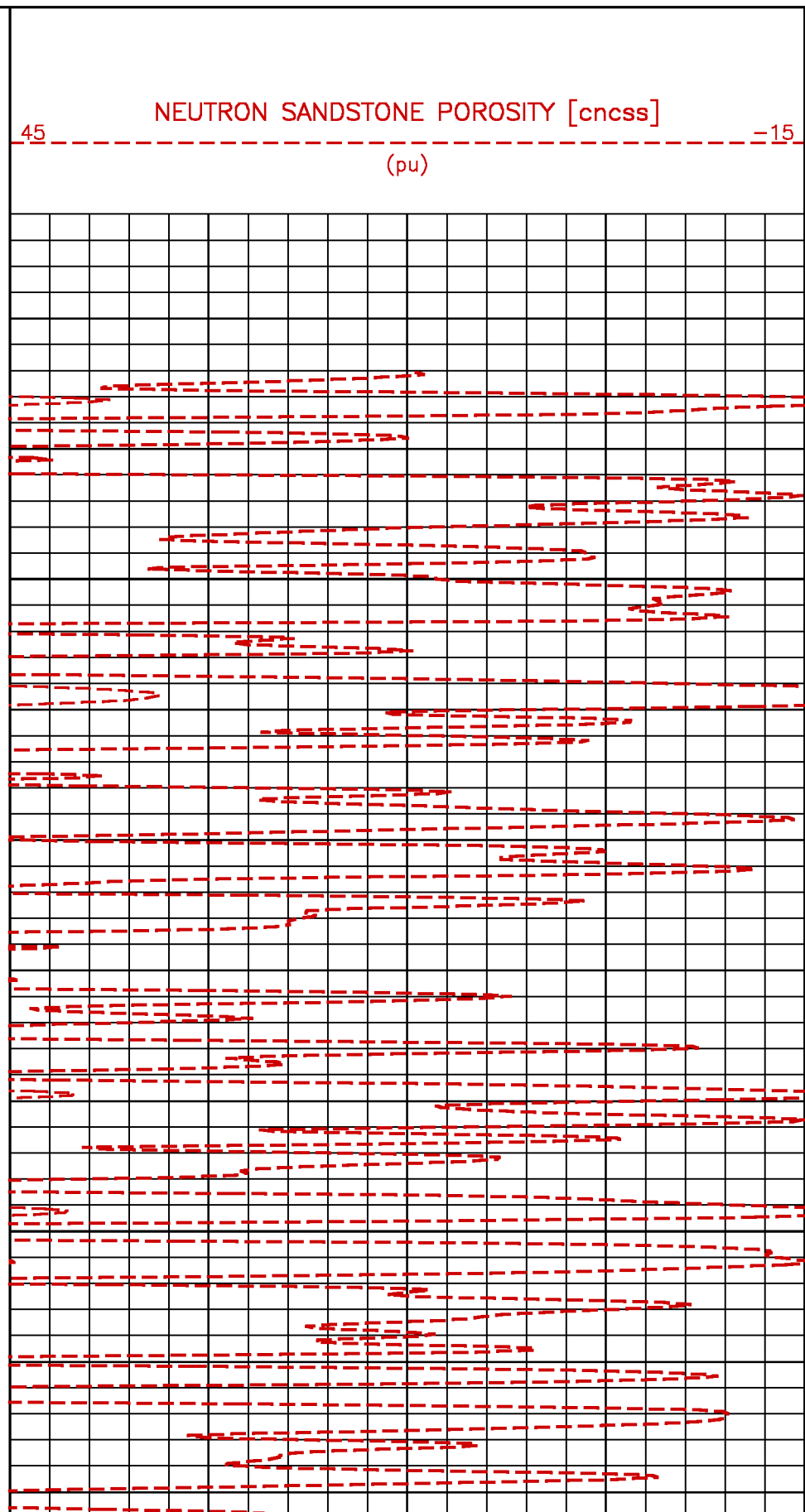
Data File 1 : F1 : cpu1:/dat1a/pass/Vulcan/r1t1_main.xtf
Created On : Aug 16 04:12:12 2009
Company : Vulcan Minerals Ltd
Well : Robinson #1
Field : Robinson
File Interval : 5.1816 - 2068.98 Meters
Oct : k970a

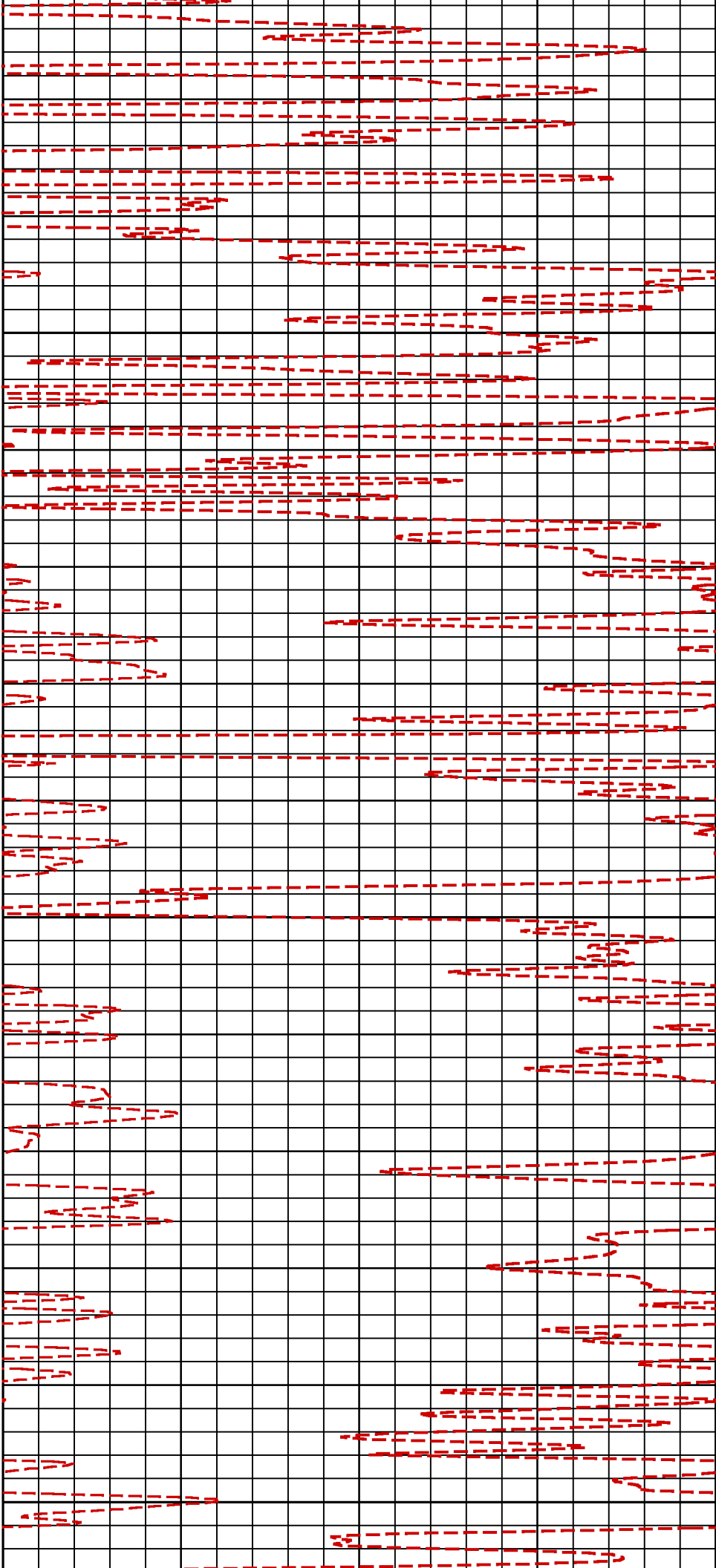


METERS

25

50

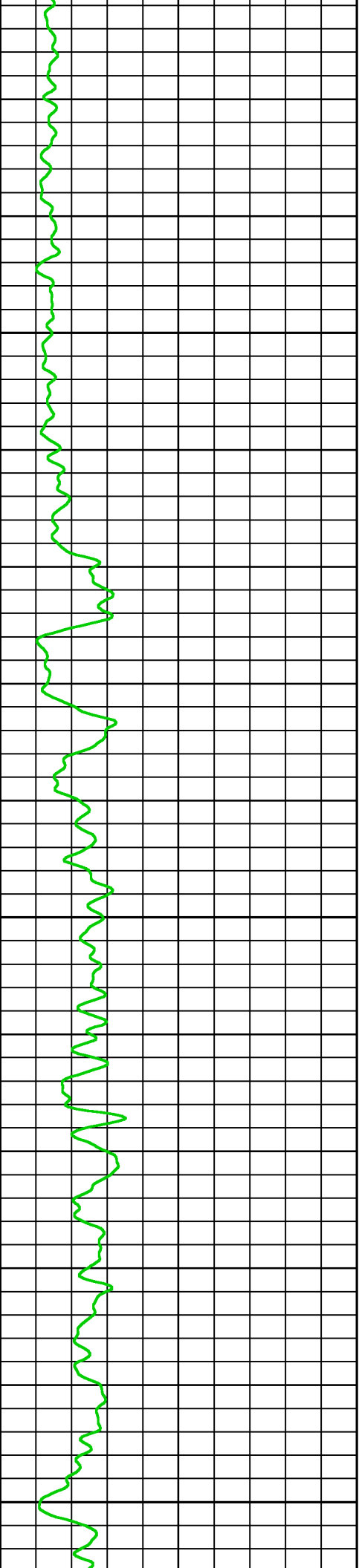


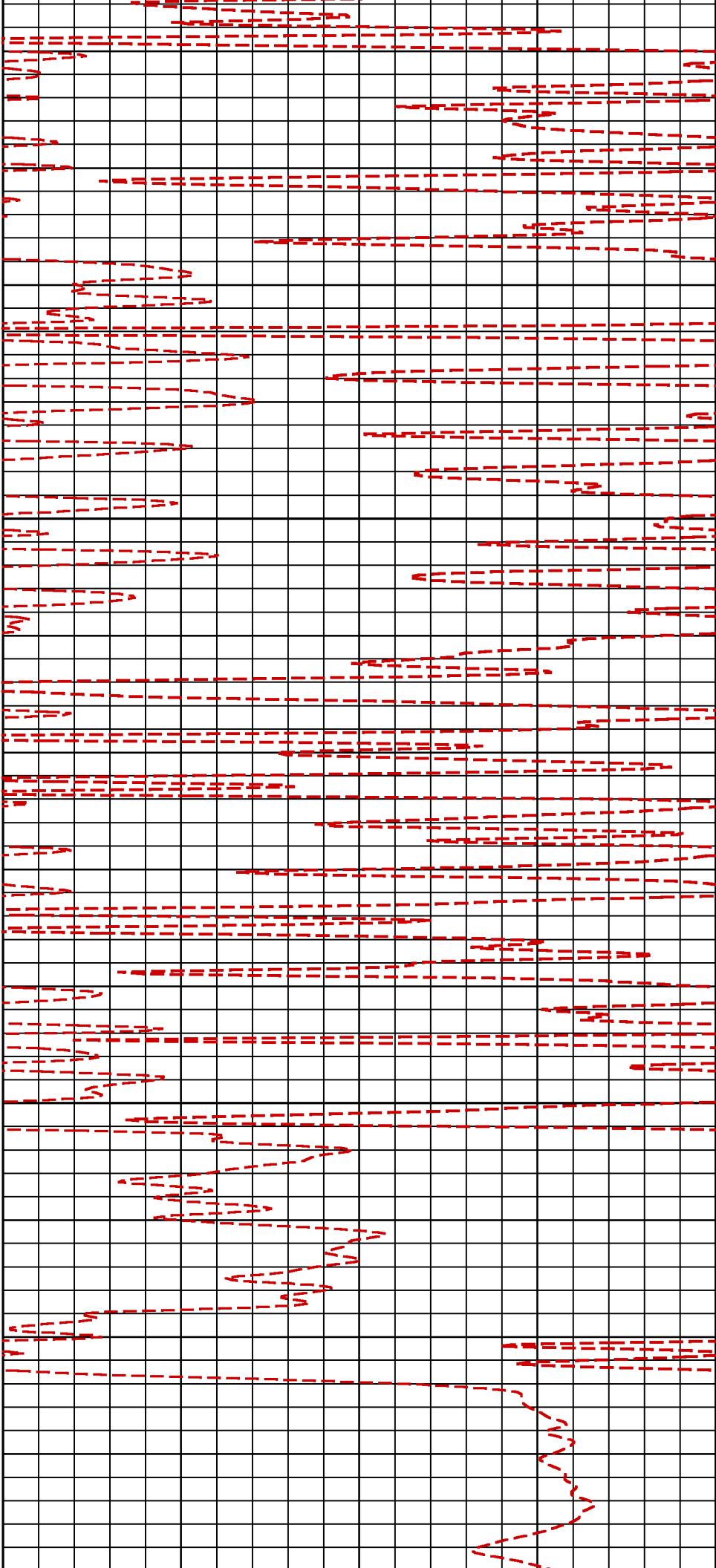


75

100

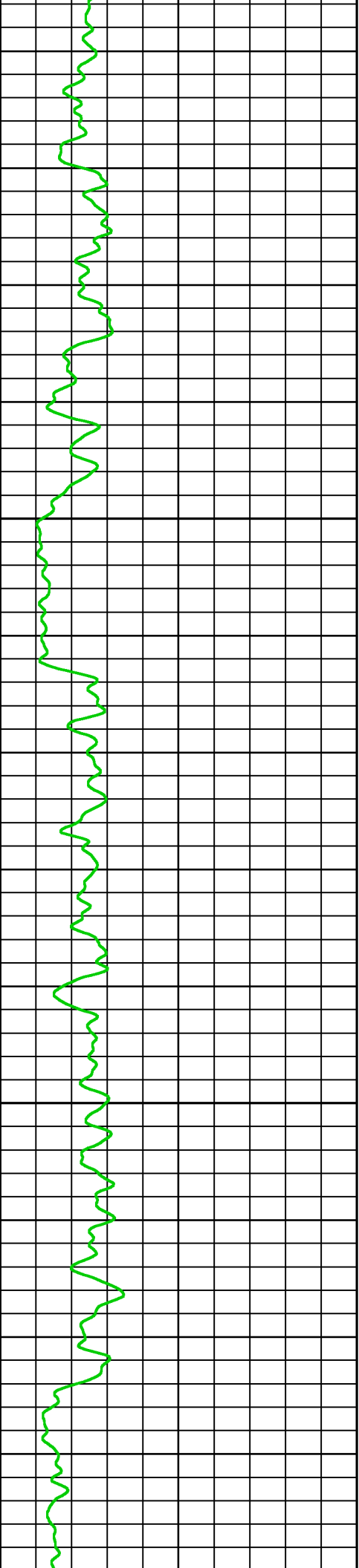
125

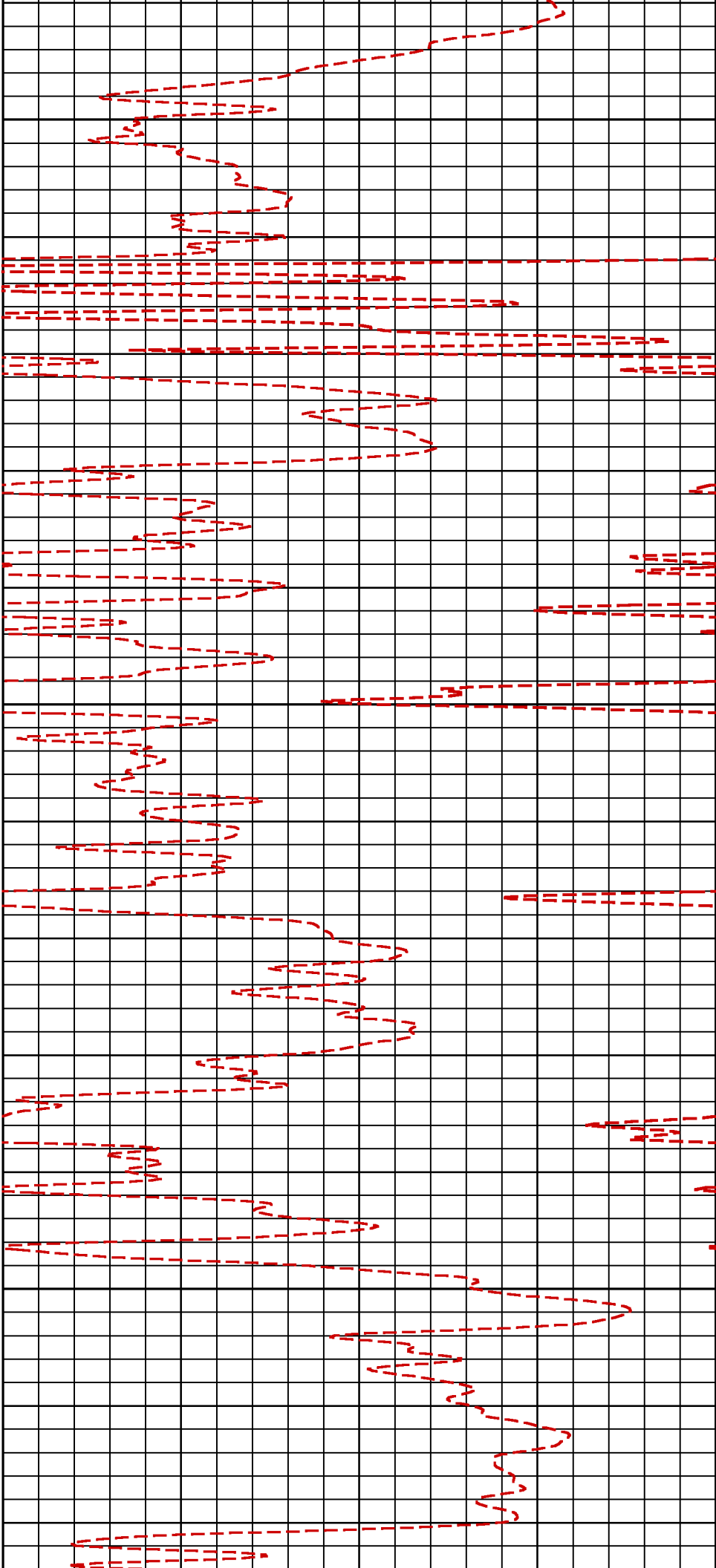




150

175

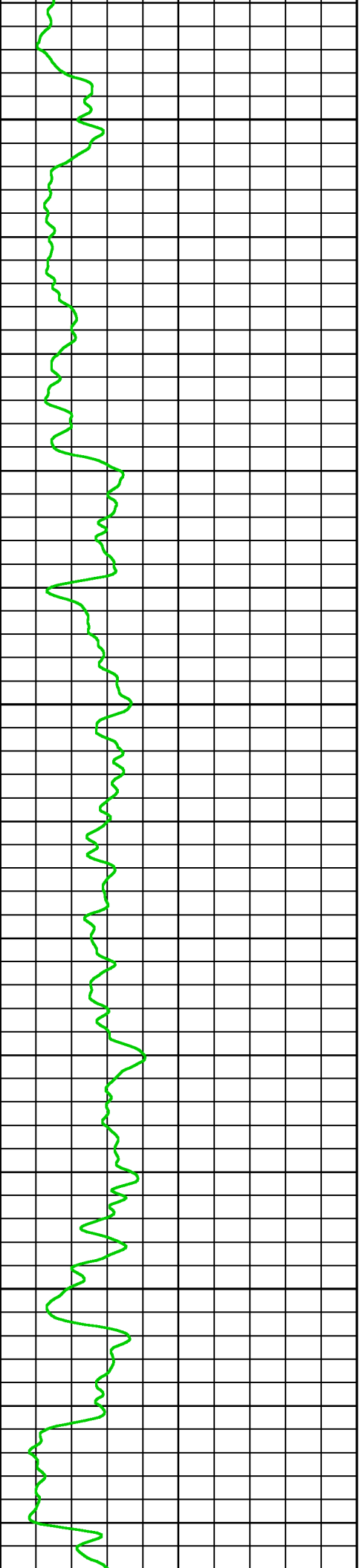


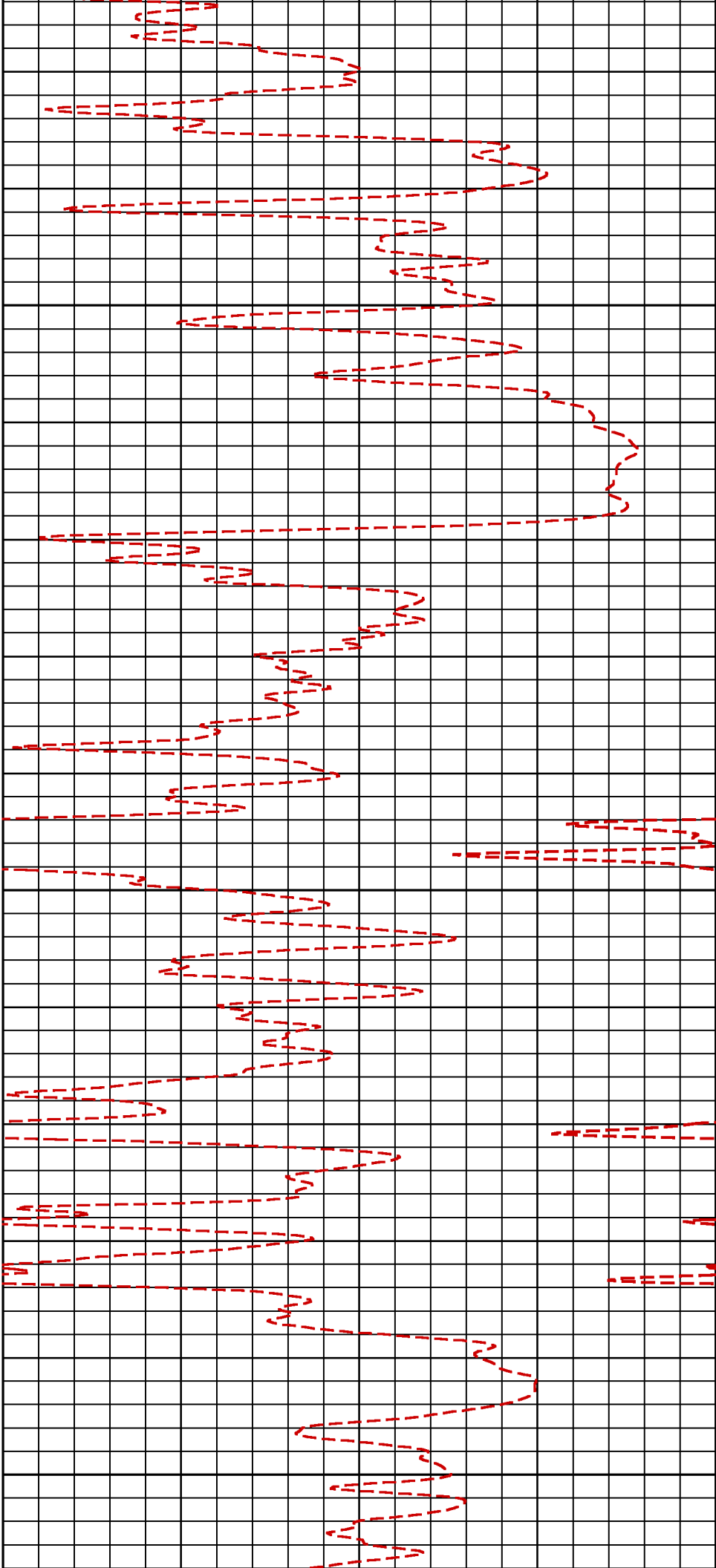


200

225

250

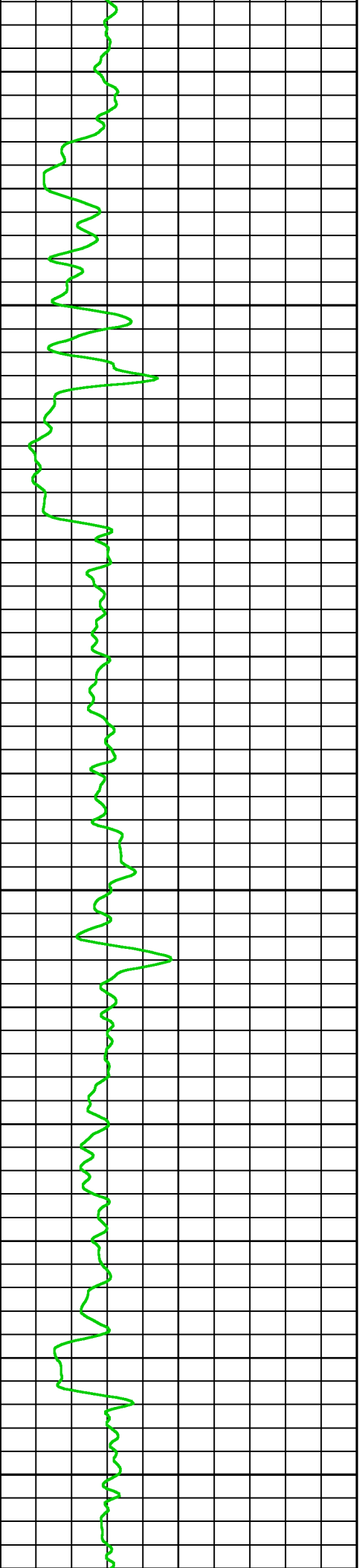


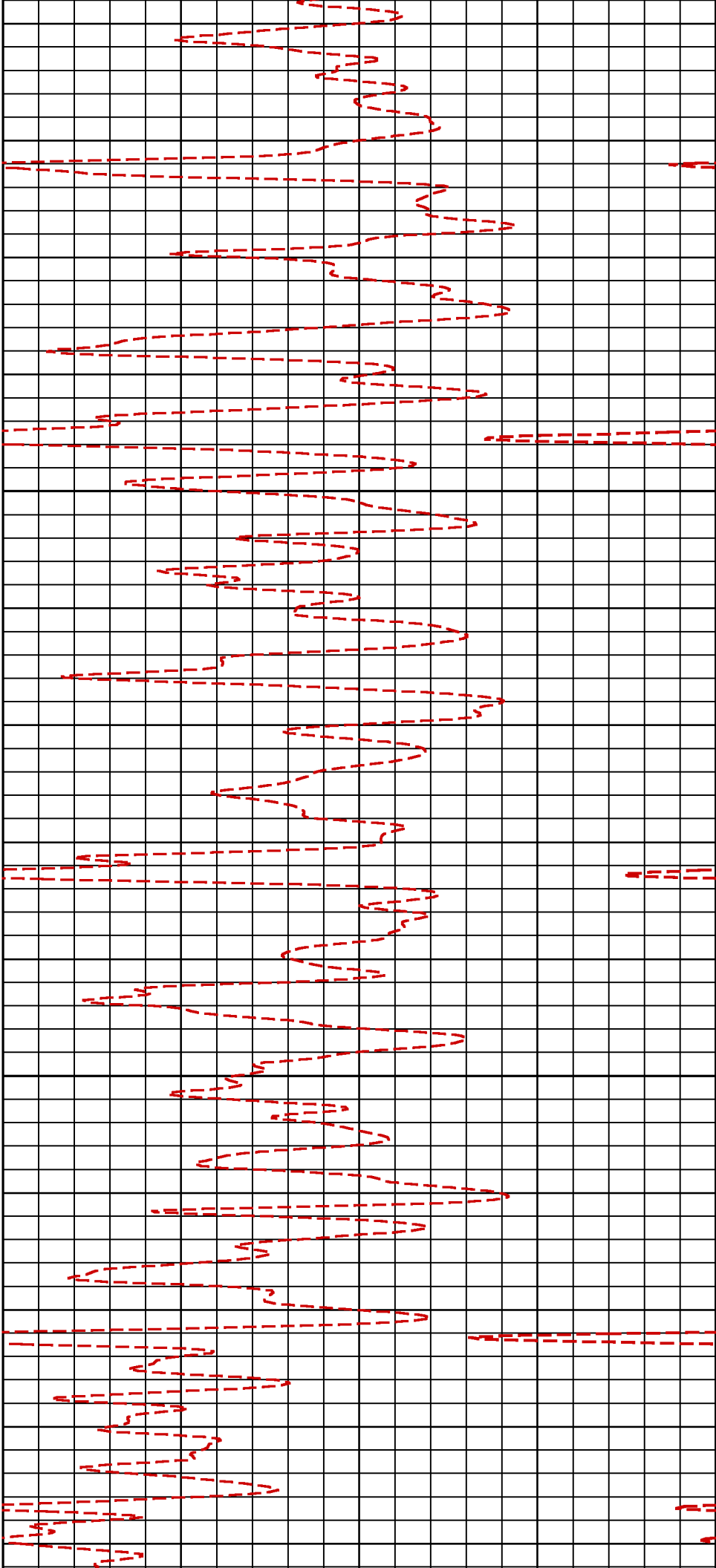


275

300

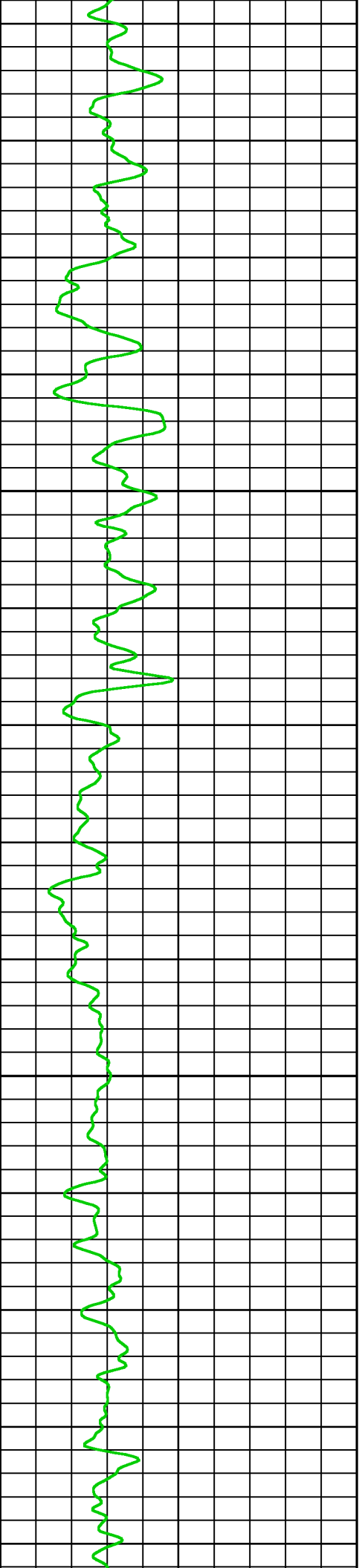
325

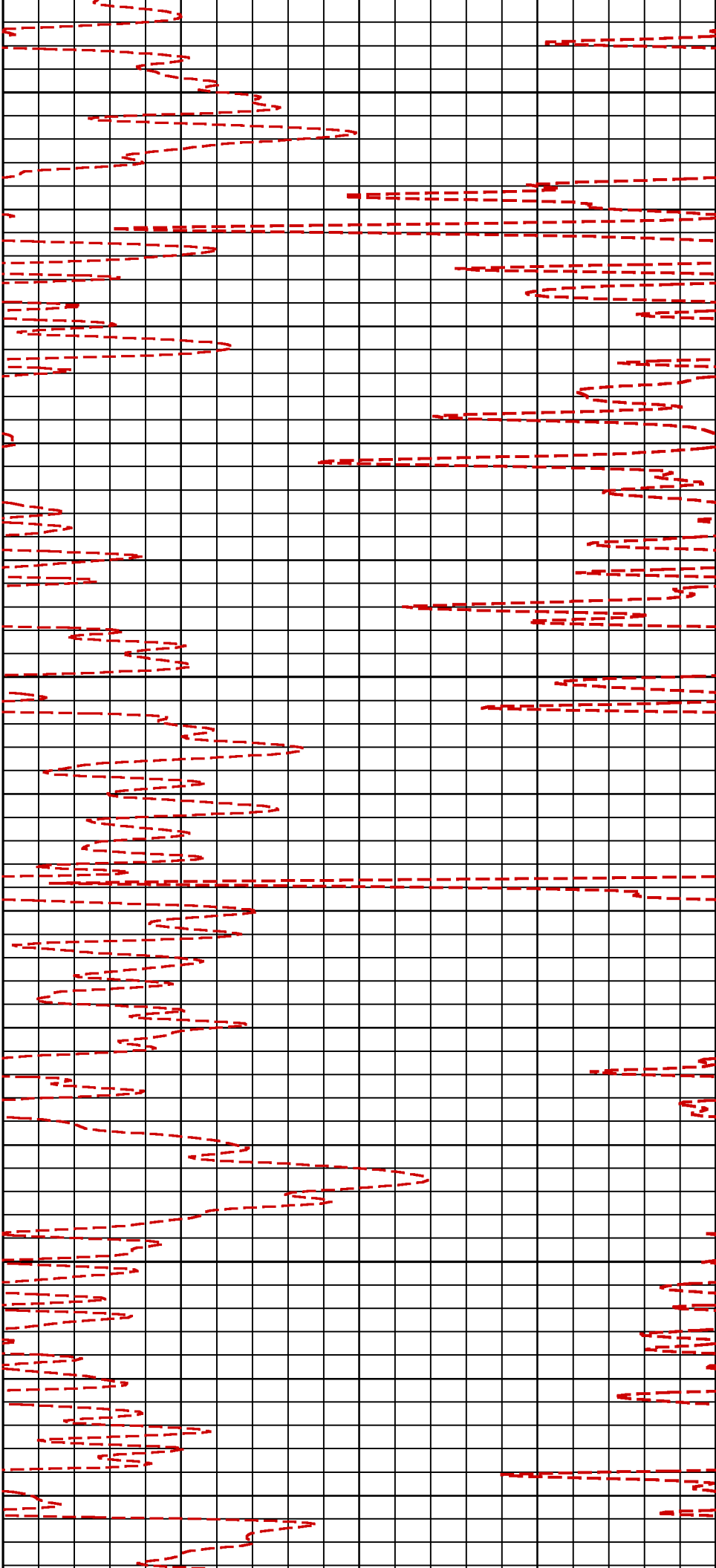




350

375

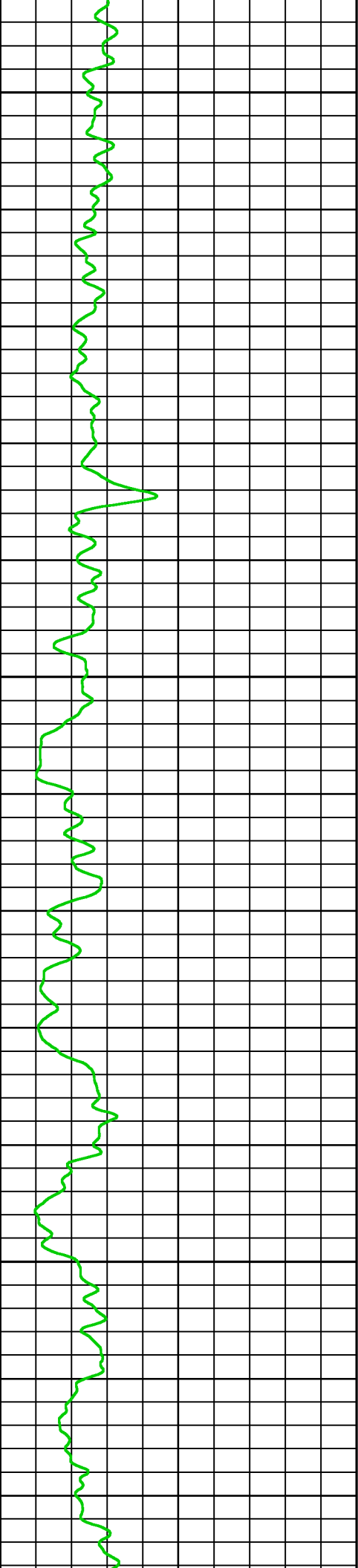


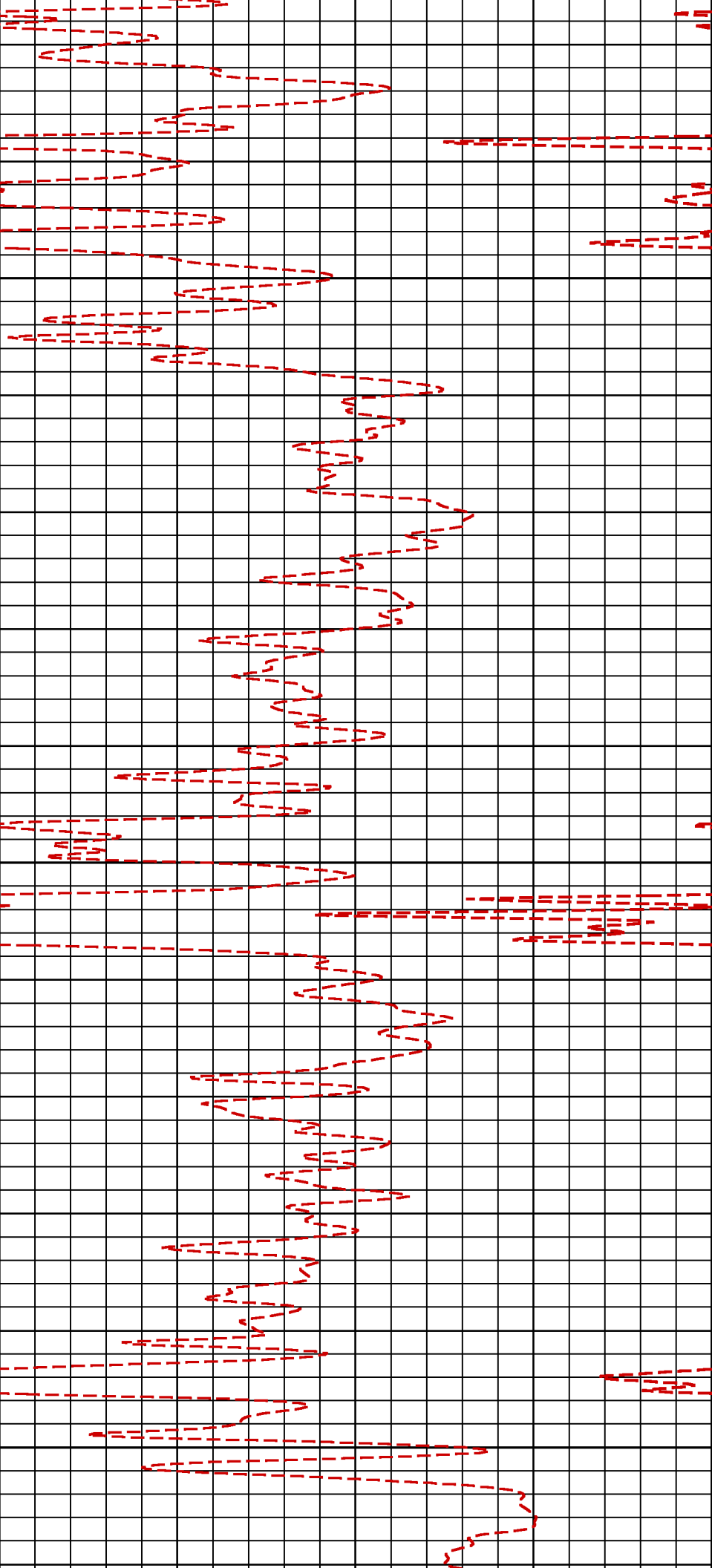


400

425

450

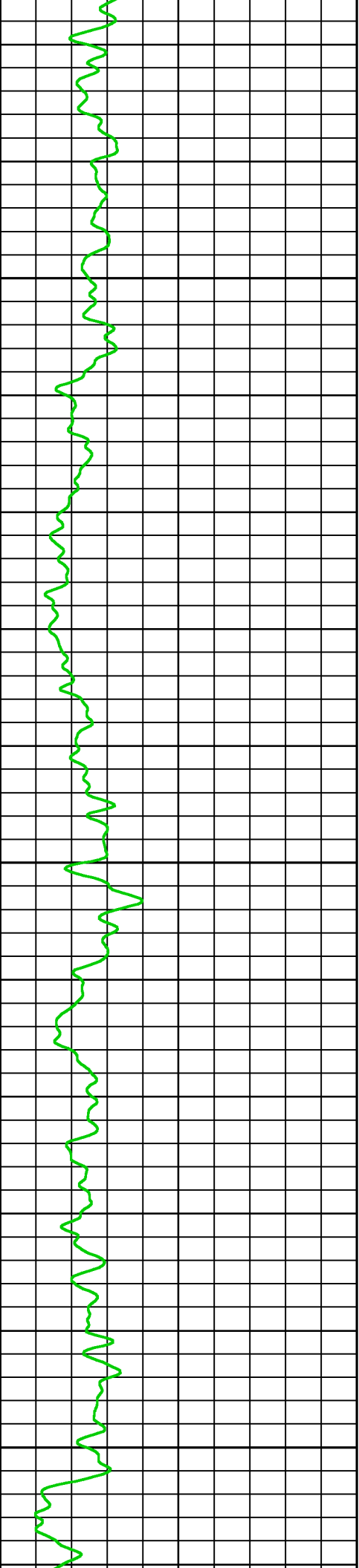


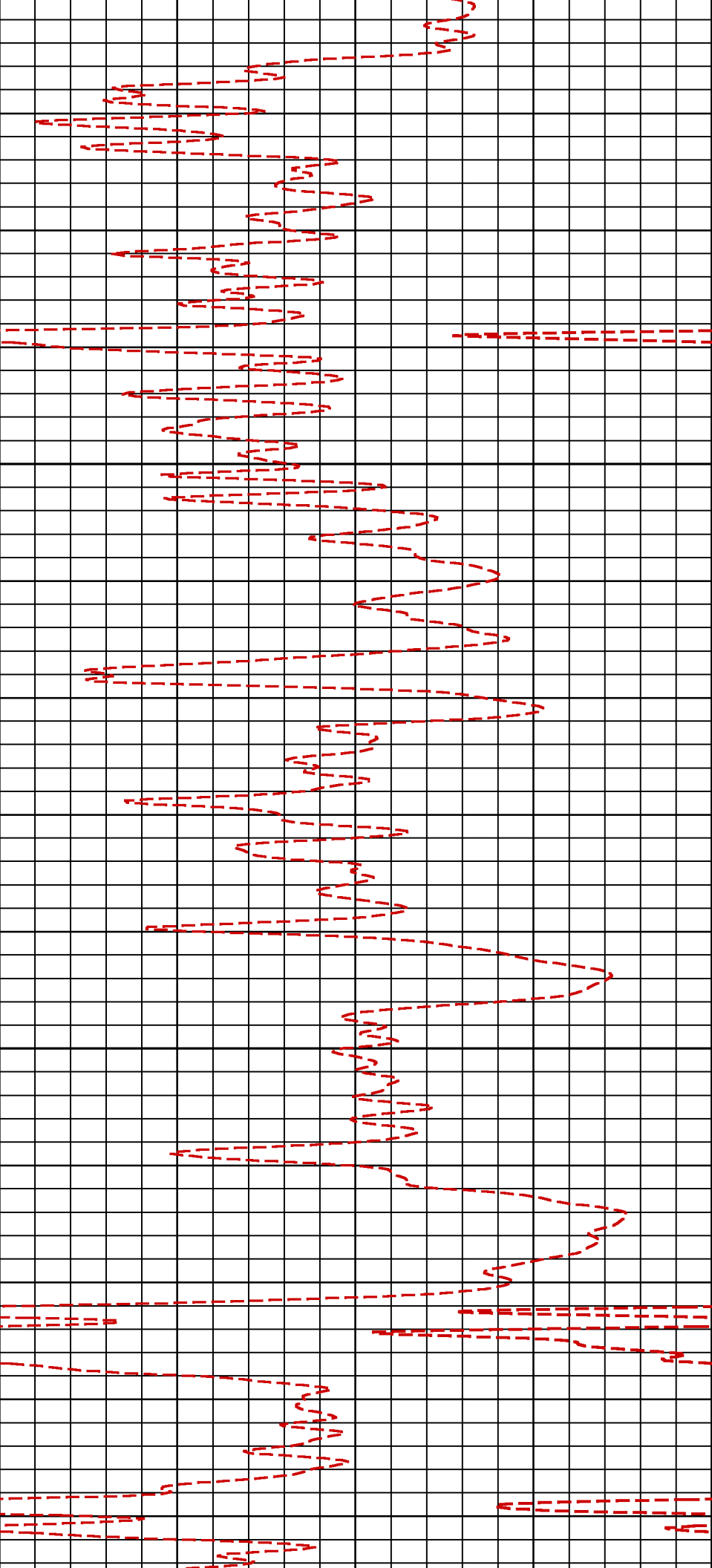


475

500

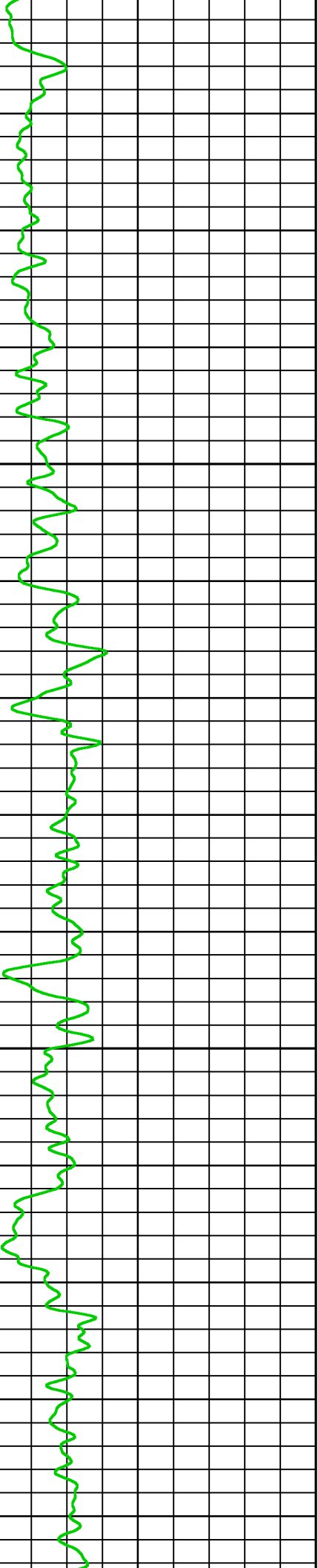
525

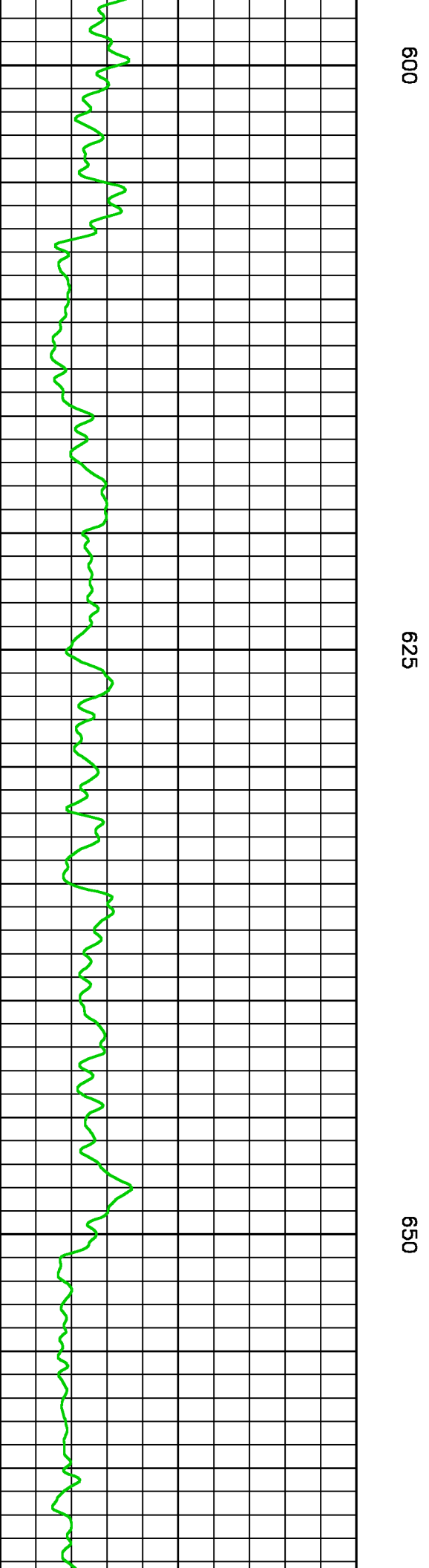
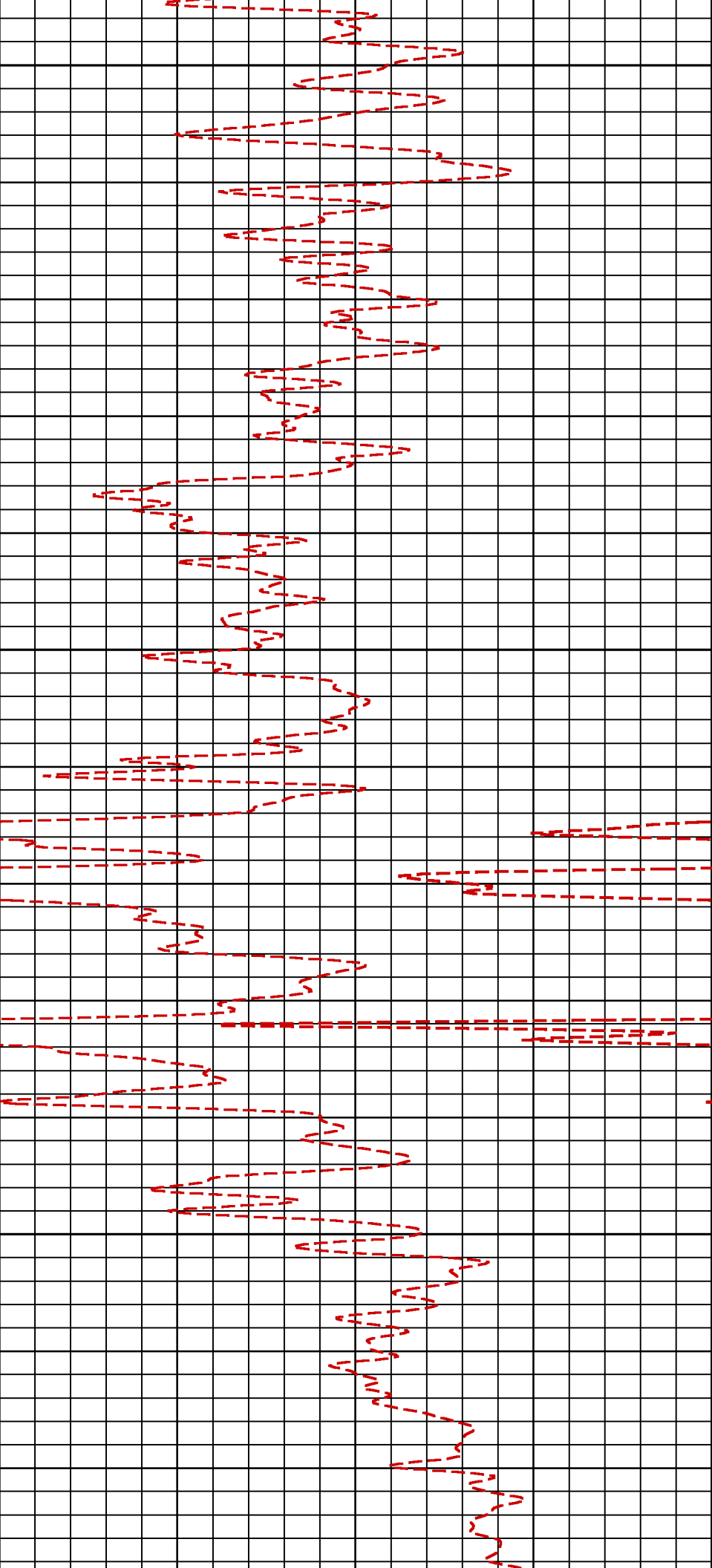


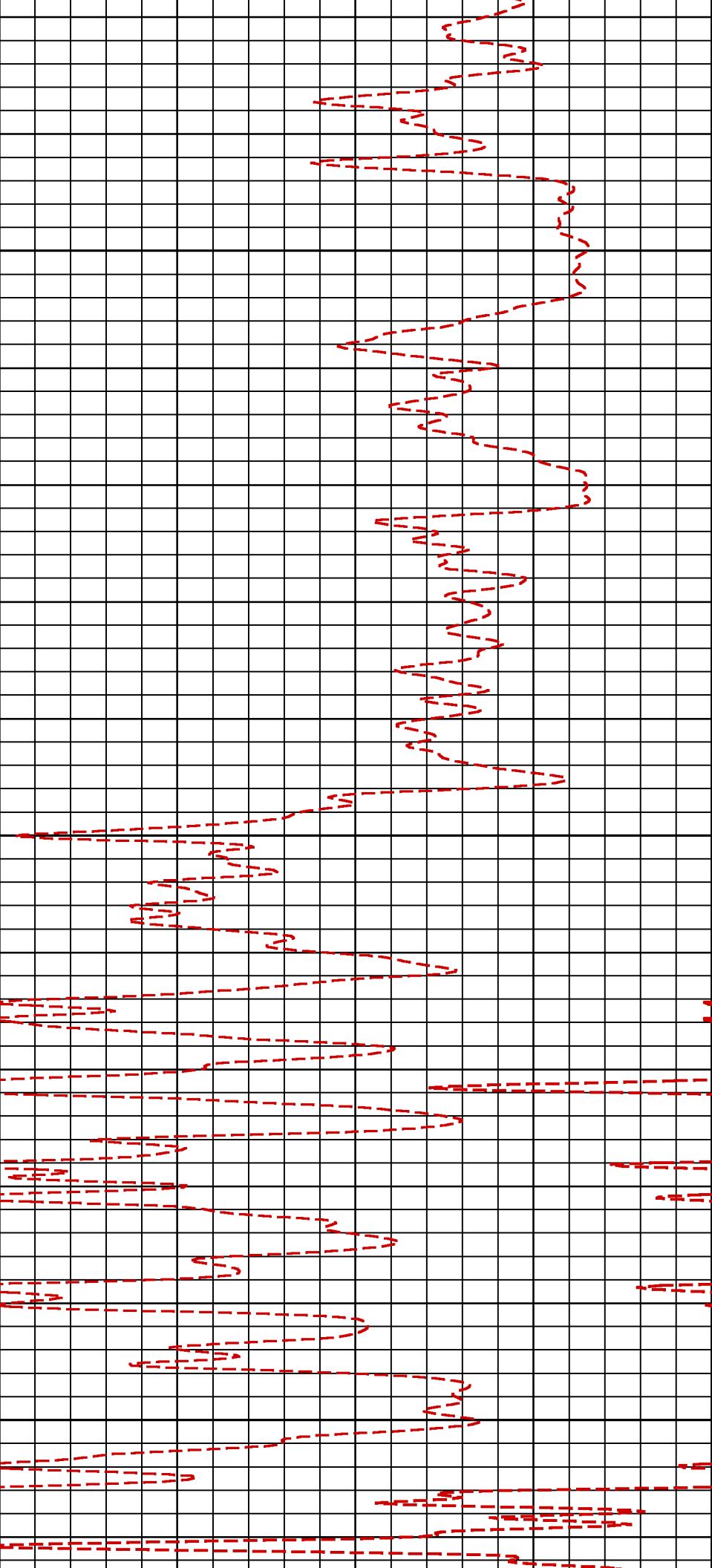


550

575



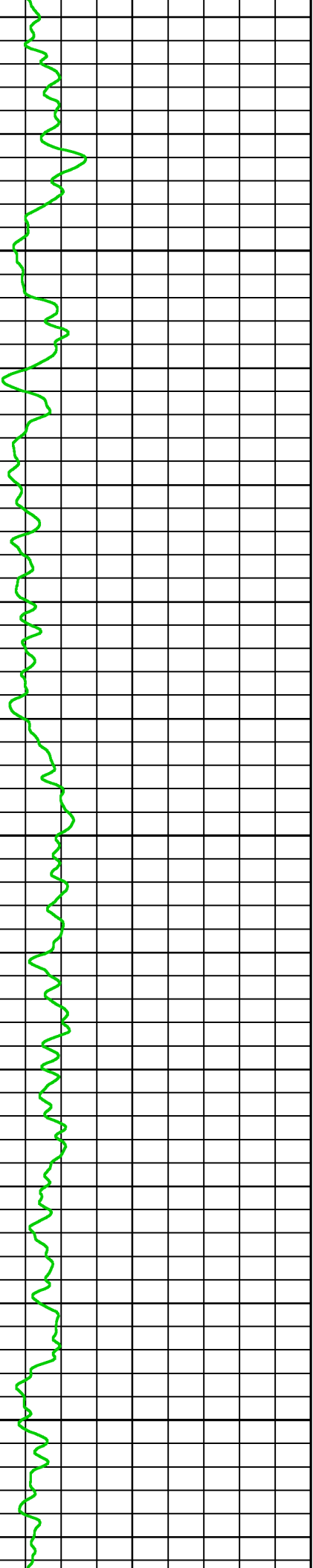


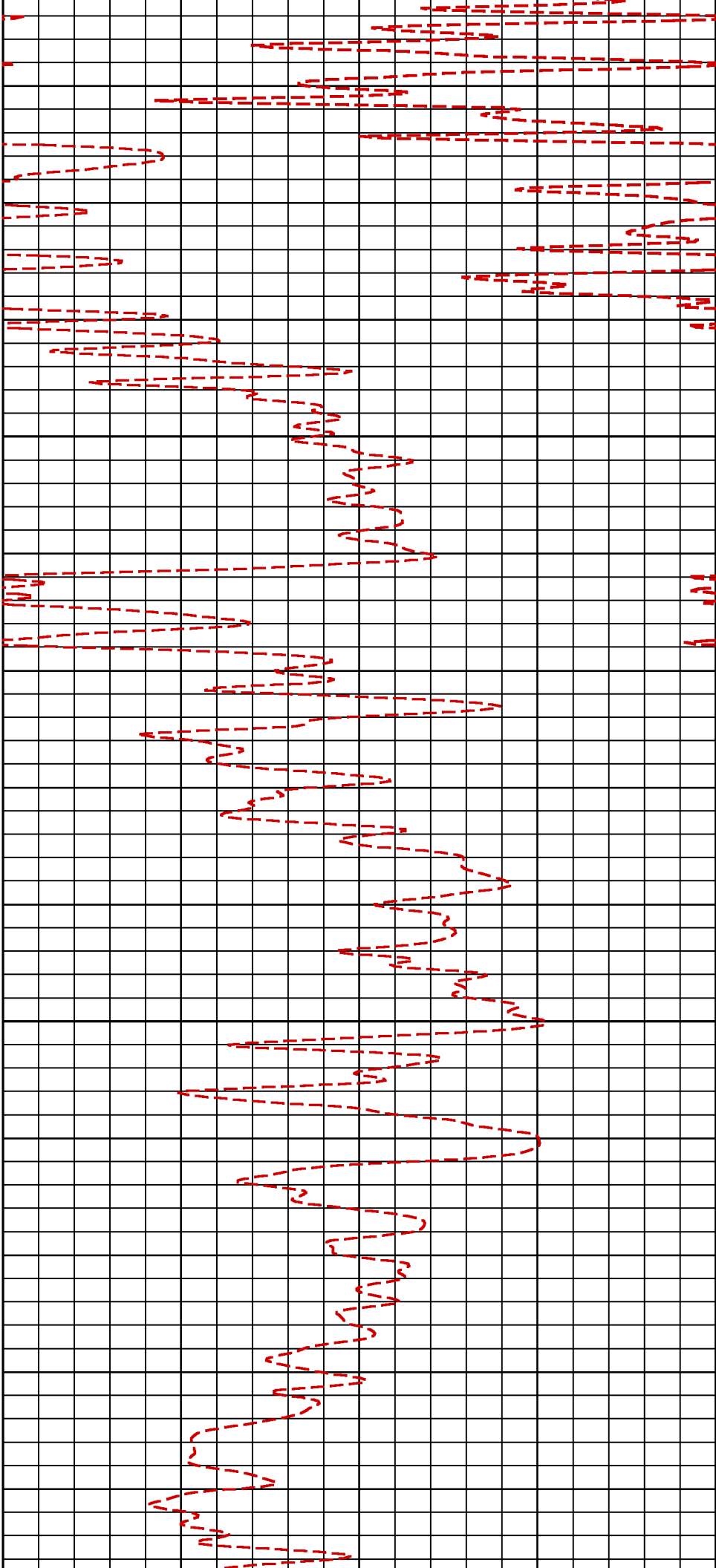


675

700

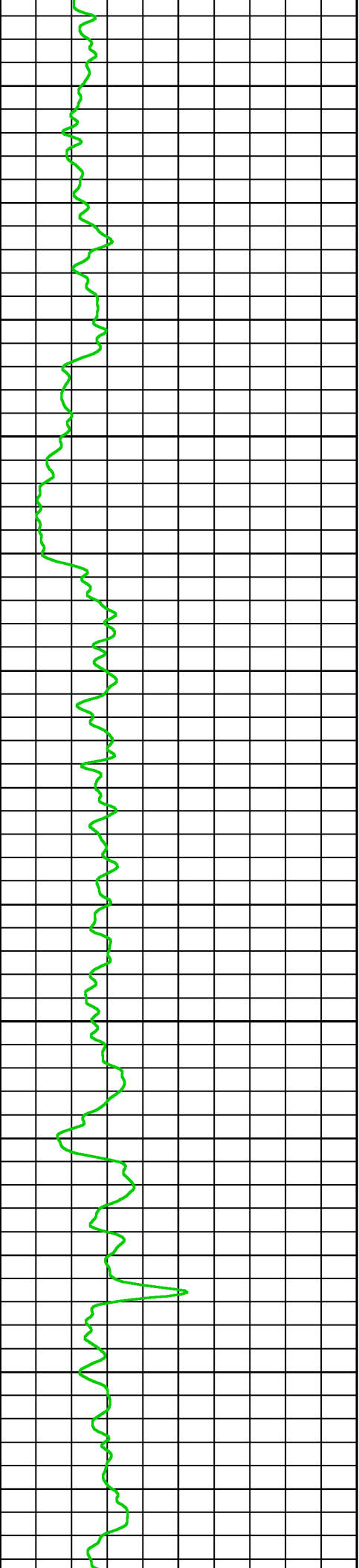
725

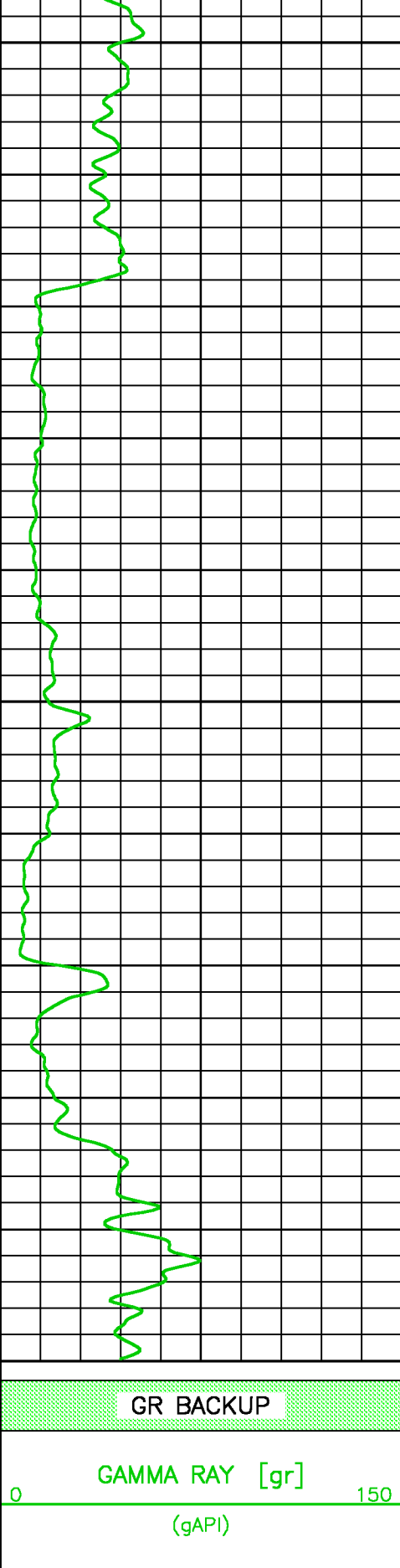




750

775



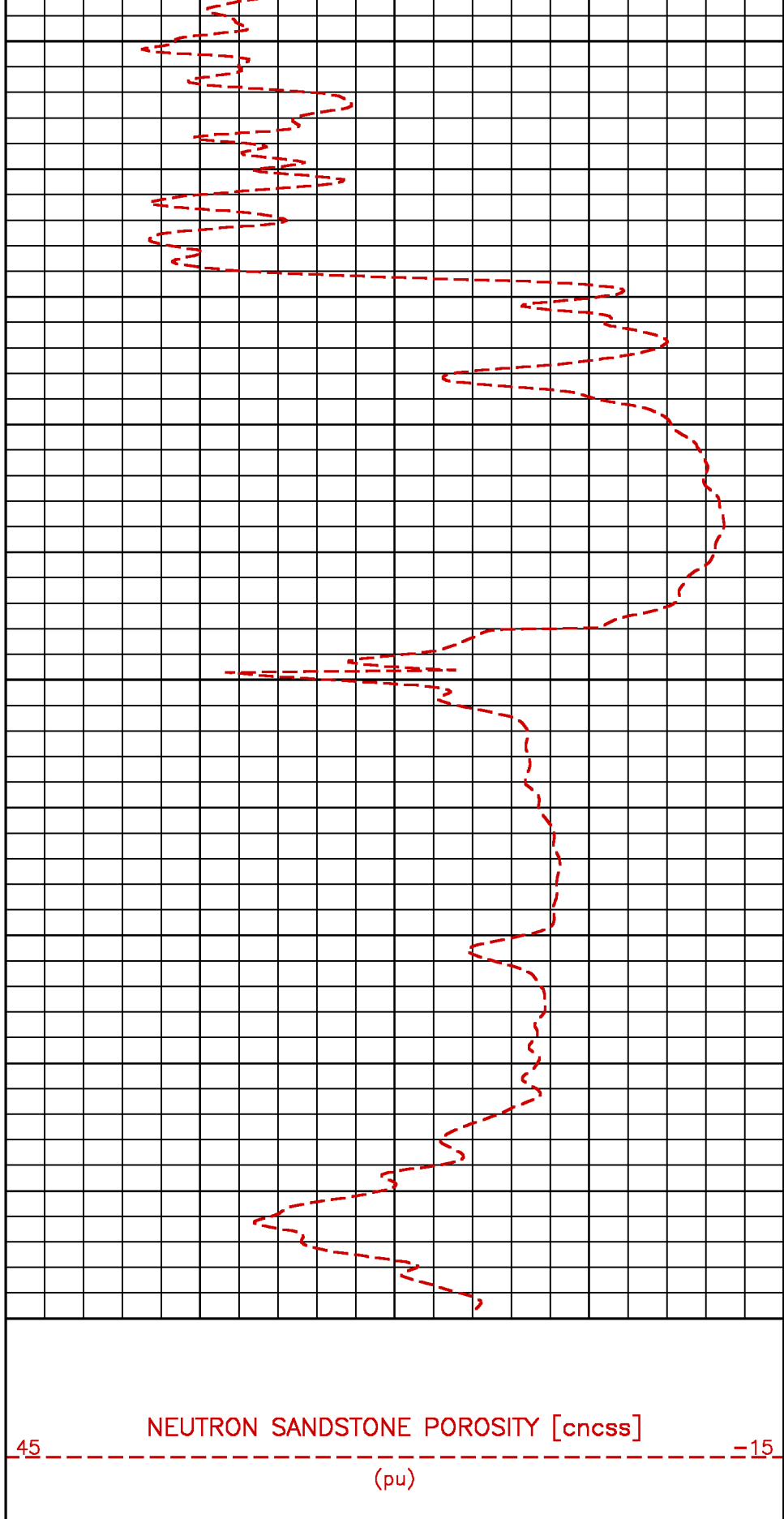


800

825

850

METERS



CALIBRATION / VERIFICATION SUMMARY

GR PRIMARY CALIBRATION SUMMARY

Tool #: 3518EG 10340957

DATE/TIME PERFORMED: Sun Jun 14 15:00:17 2009

Unit #: 3880TB 006558

Jig Series: 4702NK DA-478

Background	Calibrator ON	Jig Value (gAPI)	Mult	Background (gAPI)	Calibrator ON (gAPI)
73.75	818.25	185	0.248	18.33	203.33
			0.230 0.280		

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 3518EG 10340957

DATE/TIME PERFORMED: Sun Aug 16 02:10:25 2009

UNIT #: 3880TB 006558

Jig: 4702NK DA-478

Background	Calibrator ON	Jig Value (gAPI)	Multiplier	Background (gAPI)	Calibrator ON (gAPI)	Diff (gAPI)
683.45	1339.29	185	0.248	169.83	332.80	162.97

CN PRIMARY CALIBRATION SUMMARY

TOOL #: 2436XA 10354054

DATE/TIME PERFORMED: Sun Jun 14 15:44:06 2009

UNIT #: 3880TB 006558

CALIBRATOR #: 2437XB 113140

SOURCE #: 4718XA N-1030

SSN DT CPS	LSN DT CPS	SSN/LSN	MCF	CNRATIO	CN PU
4843.57	807.92	5.99513	0.95694	5.73700	25.241
			0.95000 1.05000		

CN BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2436XA 10354054

DATE/TIME PERFORMED: Sun Aug 16 02:49:52 2009

DAYS SINCE CAL: 62

UNIT #: 3880TB 006558

CALIBRATOR #: INTRNL N/A

SSN DT CPS	LSN DT CPS	SSN/LSN	TEMP (degC)	HV (V)	LV (V)
992.41	994.44	0.99797	36.8	1358.6	4.652
		0.95000 1.05000	138.0	1250.0 1450.0	4.300 5.000

CN AFTER LOG VERIFICATION SUMMARY

TOOL #: 2436XA 10354054 DATE/TIME PERFORMED: Sun Aug 16 06:21:34 2009 DAYS SINCE CAL: 62

UNIT #: 3880TB 006558 CALIBRATOR #: INTRNL N/A

SSN DT CPS	LSN DT CPS	SSN/LSN	TEMP (degC)	HV (V)	LV (V)
990.73	993.09	0.99762	35.5	1358.6	4.654
		0.95000 1.05000	138.0	1250.0 1450.0	4.300 5.000

CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Sun Jun 14 14:10:33 2009

UNIT #: 3880TB 006558

	SIZE (mm)	VALUE	MULTIPLIER	ADD
SMALL RING (Arm)	201.000	1692.0		
LARGE RING (Arm)	305.000	2945.6	0.08296	60.62986
PAD CLOSED		1456.0	0.06350	-92.45599

CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Sun Aug 16 02:46:35 2009 DAYS SINCE CAL: 62

UNIT #: 3880TB 006558

	VALUE	MULTIPLIER	ADD	SIZE (mm)
ARM	3008.0	0.08296	60.62986	310.2
PAD	1672.0	0.06350	-92.45599	13.7

	ACTUAL (mm)	MEASURED (mm)
DIAMETER (arm+pad)	317.900	318.9
		307.7 328.1

CAL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Sun Aug 16 06:19:07 2009 DAYS SINCE CAL: 62

UNIT #: 3880TB 006558

UNIT #: 3880TB 006558

	VALUE	MULTIPLIER	ADD	SIZE (mm)
ARM	3096.0	0.08296	60.62986	317.5
PAD	1592.0	0.06350	-92.45599	8.6

	ACTUAL (mm)	MEASURED (mm)
DIAMETER (arm+pad)	317.900	317.1
		307.7 328.1

ZDL PRIMARY CALIBRATION SUMMARY

TOOL: 2223XA 10391896

DATE/TIME PERFORMED: Sun Jun 14 14:42:19 2009

UNIT: 3880TB 006558

CALB BLKS: 2225XA 112691

CS SRC: 4705XA 37651B

PAD TYPE: PADTYP 7.5" PAD

SS CS PK (Channel)	LS CS PK (Channel)	SS_BKGD (cps)	LS BKGD (cps)
224.9	224.2	1511.6	1772.1
220.0 230.0	220.0 230.0		

	SS (cps)	LS (cps)	SHR	DEN (kg/m3)	CORR (kg/m3)	PE (b/e)
MG (LO PE)	44454.6	16654.3	0.816	1700.000	2.000	1.860
			0.720 0.890			
AL	27968.3	1873.0		2649.000	-19.000	
AL + SHIM	37111.5	3240.2		2550.000	101.000	
MG + SHIM (HI PE)	22182.5	8018.2	0.326			8.260
			0.280 0.360			
RATIO AL + SHIM/AL	1.33	1.73				
	1.30 1.40	1.60 1.80				
RATIO MG/AL	1.59	8.89				
	1.58 1.70	8.55 9.55				

ZDL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10391896

DATE/TIME PERFORMED: Sun Aug 16 02:48:55 2009

DAYS SINCE CAL: 62

UNIT #: 3880TB 006558

	TOTAL (cps)	CSPK (Channel)	HV (V)
LS	3342.1	225.0	1380.5
	3332.1 3352.1	220.0 230.0	1250.0 1550.0
SS	22354.6	224.2	1443.8
	22344.8 22364.8	220.0 230.0	1250.0 1550.0

LV (V)		PAD CURRENT (mA)	
5.0		89.6	
4.8	5.2	60.0	120.0



ZDL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Sun Aug 16 06:19:58 2009 DAYS SINCE CAL: 62

UNIT #: 3880TB 006558

	TOTAL (cps)	CSPK (Channel)	HV (V)
LS	3342.1	224.8	1381.9
	3332.1 3352.1	220.0 230.0	1250.0 1550.0
SS	22355.0	224.1	1445.2
	22344.8 22364.8	220.0 230.0	1250.0 1550.0

LV (V)		PAD CURRENT (mA)	
5.0		88.0	
4.8	5.2	60.0	120.0

 Baker Atlas 	COMPANY VULCAN MINERALS INC. WELL VULCAN INVESTCAN FIELD ROBINSON #1 PROVINCE NEWFOUNDLAND AND LABRADOR	FILE NO: _____ API NO: _____	
	LOCATION:	ELEVATIONS: KB 175.300 M DF GL 169.000 M	
	LAT 48.231 LONG 58.118	DATE 16-AUG-2009	