



Baker Atlas

HIGH DEFINITION INDUCTION LOG SM
GAMMA RAY LOG
CALIPER LOG

FILE NO:	COMPANY	VULCAN MINERALS INC.
API NO:	WELL	VULCAN INVESTCAN
	FIELD	ROBINSON #1
	PROVINCE	NEWFOUNDLAND AND LABRADOR
Ver. 3.87	LOCATION:	OTHER SERVICES ZDL-CN-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	2054.8 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 BOREHOLE AND TEMPERATURE CORRECTIONS HAVE BEEN APPLIED TO HDIL DATA. HDIL RECORDED WITH AND CORRECTED TO 38.0 MM STANDOFF. CALIPER PRESENTED WITH HDIL TO ASSIST WITH THE QC OF THE DATA. RIG: STONEHAM RIG 11 CREW: S.CREWE, M.STROESSER, L.HICKS, J.ESCHNER

EQUIPMENT DATA				
PLIN	TRIP	TOOL	SERIES NO	SERIAL NO
				POSITION

RUN	TRM	TOOL	SERIES NO.	SERIAL NO.	POSITION
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 : 38.8 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



18.26 m

CALY MP 14.51 m

GR MP 10.81 m

LSN MP 8.64 m
SSN MP 8.50 m

FOCUS Z-DENS 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

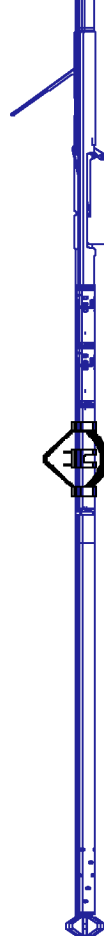
Series : 3930XA

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 5.85 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 09:22:29 2009

Perpllt /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)		"	"
SP-SPDH	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
X-Y COMBINED CALIPER PROCESSING-FOCUS	Caliper - FOCUS	Average		TOP	BOTTOM

BIT SIZE	BIT SIZE	311.000	mm	''	''
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE FIXED SIZE USE CALIPER		TOP 818.648	818.648 BOTTOM
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	317.900 311.000	mm mm	TOP 816.406	816.406 BOTTOM
BH MUD RESISTIVITY SOURCE	RMUD SOURCE (HDIL)	TOOL MEASURED		TOP	BOTTOM
MUD SAMPLE RESISTIVITY	MUD SAMPLE TEMP	25.0	degC	''	''
	MUD SAMPLE RES	1.000	ohm.m	''	''
BOREHOLE TEMP from GRADIENT	Known BH REF TEMP	25.0	degC	''	''
	at BH REF DEPTH	0.0	m	''	''
	with TEMP GRADIENT	2.187	0.01 degC/m	''	''

ACCELERATION PROCESSING

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

HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
HDIL TEMPERATURE CORRECTION	TEMP CORRECTION	ON		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		''	''
	ABC to CALCULATE	STANDOFF		''	''
	STANDOFF	38.10	mm	''	''
	TOOL POSITION	CENTRALIZED		''	''
	Rmud MULTIPLIER	1.000		''	''

CURVE DESCRIPTION REPORT

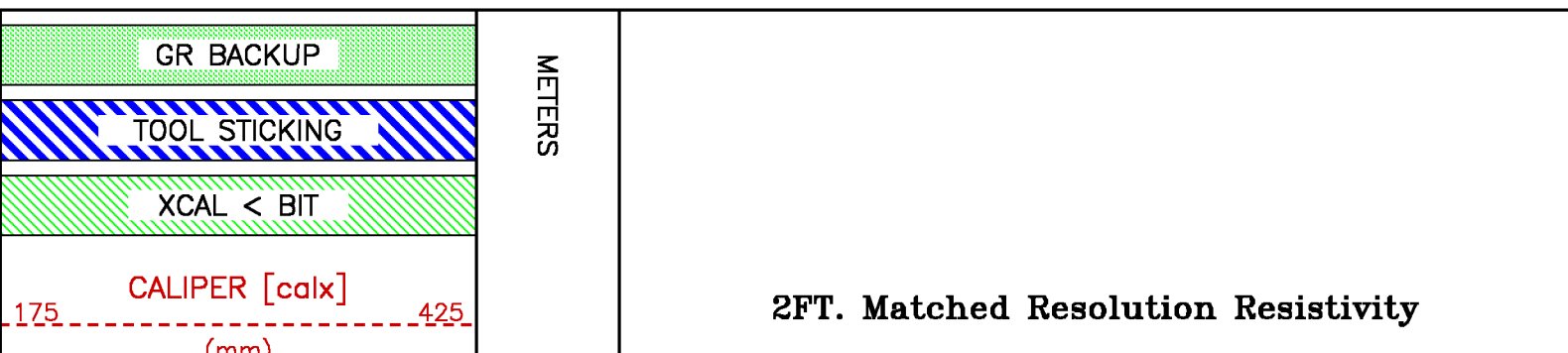
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Aug 16 04:12:12 2009	BIT SIZE
F1:CALX	CALX	Aug 16 04:12:12 2009	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CHT	CHT	Aug 16 04:12:12 2009	CABLE HEAD TENSION
F1:GR	GR	Aug 16 04:12:12 2009	GAMMA RAY
F1:M2CC9	M2C9	Aug 16 04:12:12 2009	HDIL 2' VERT. RESOLUTION COMPRESSED COND.-90" INVESTIGATION
F1:M2R2	M2R2V	Aug 16 04:12:12 2009	VERT RESOLUTION MATCHED (2 FT) RES - DOI 20 INCH
F1:M2R9	M2R9L	Aug 16 04:12:12 2009	VERT RESOLUTION MATCHED (2 FT) RES - DOI 90 INCH
F1:MDTMP		Aug 16 04:12:12 2009	MUD TEMPERATURE
F1:MMRK	MMRK	Aug 16 04:12:12 2009	MINUTE MARK
F1:SP	SP	Aug 16 04:12:12 2009	SPONTANEOUS POTENTIAL
F1:TEN	TEN	Aug 16 04:12:12 2009	DIFFERENTIAL TENSION

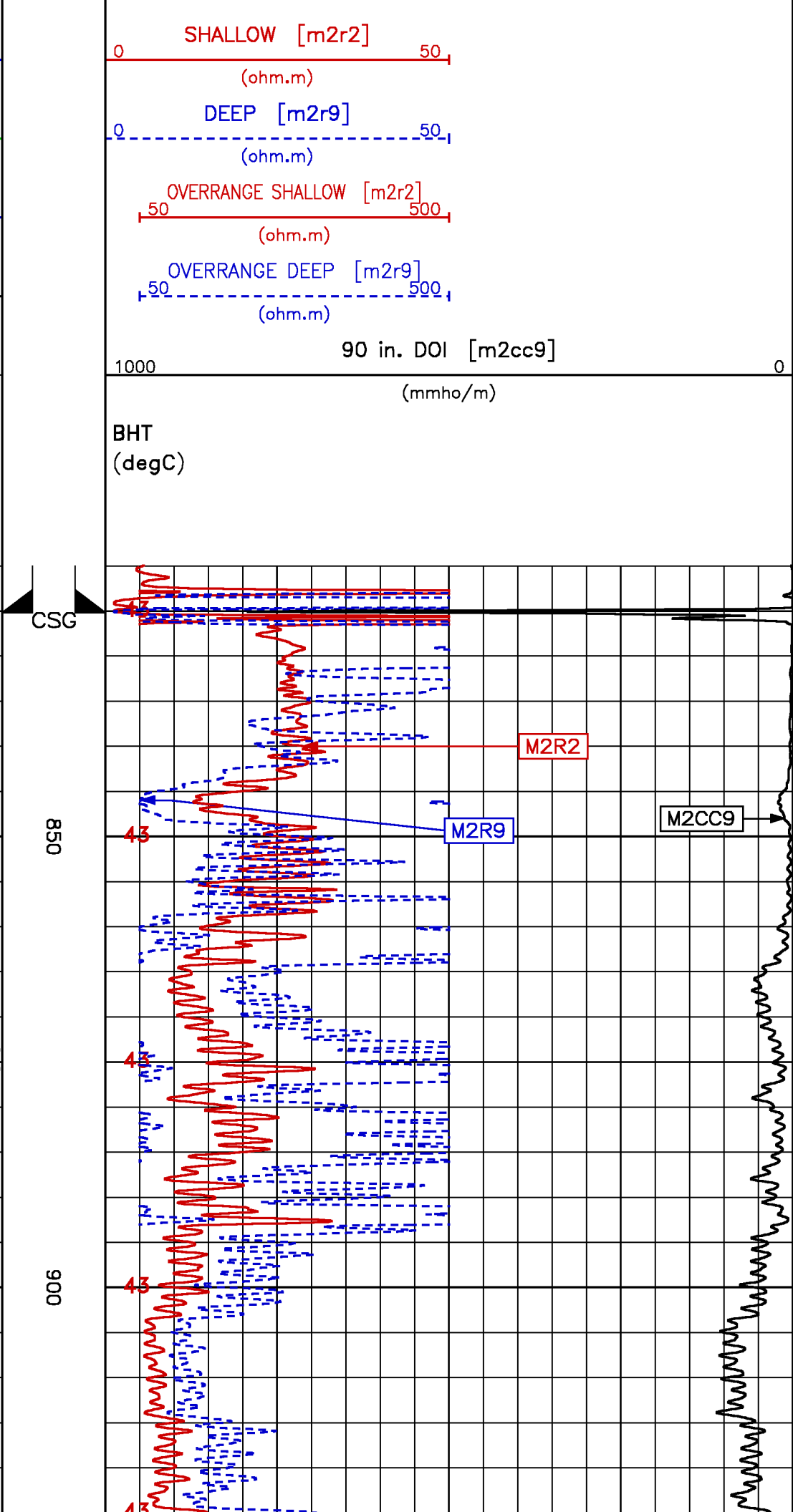
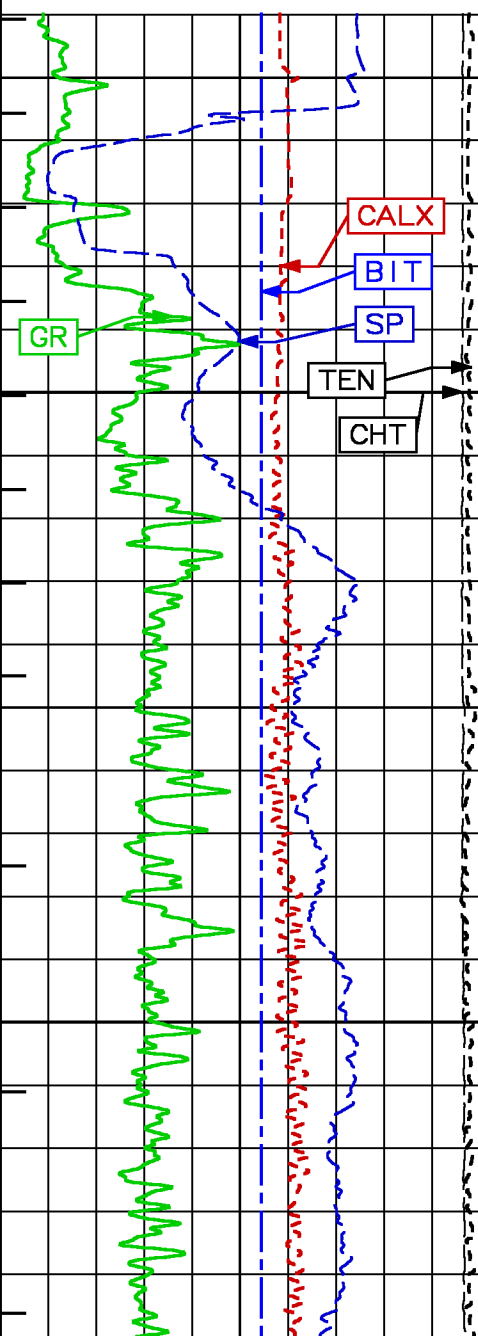
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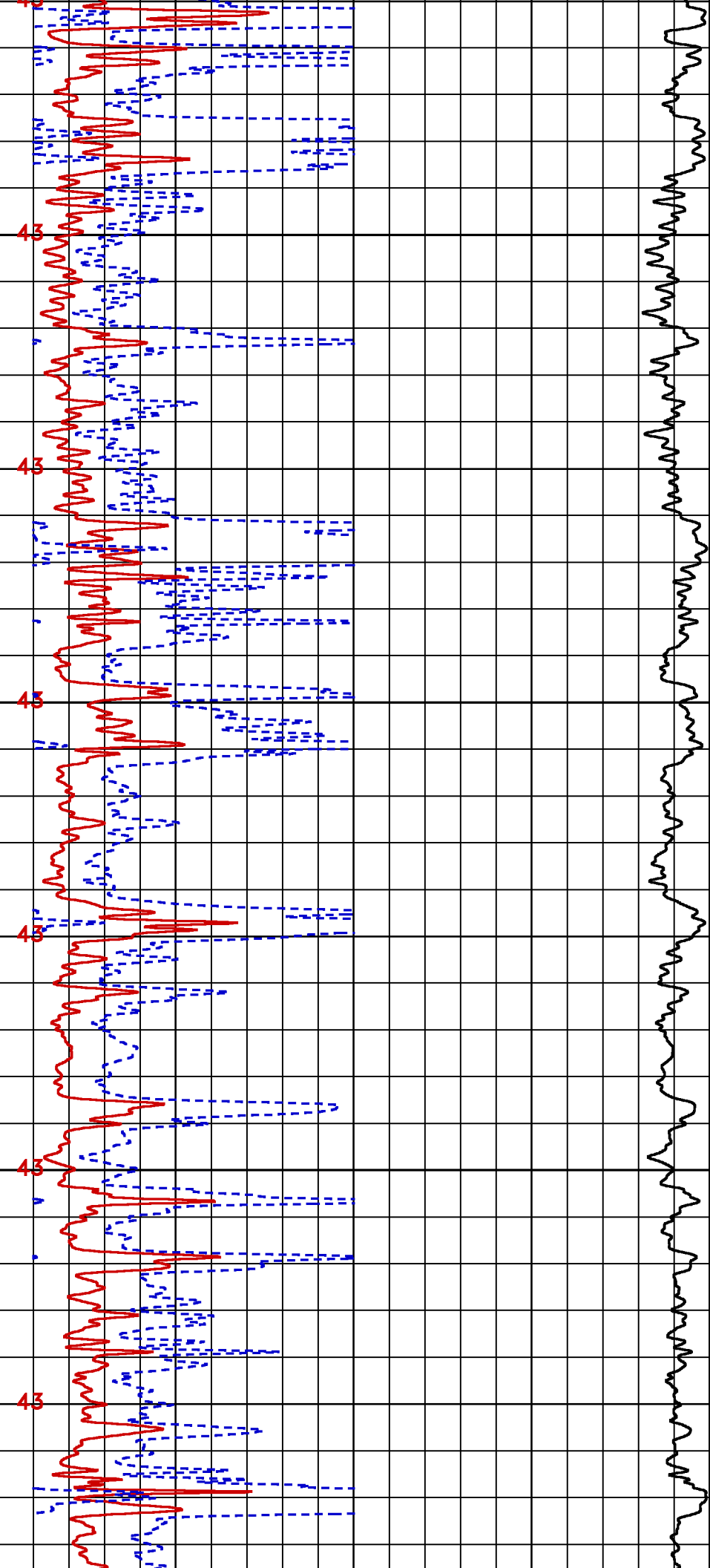
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	GR	10.67	M2R9	0.84		
CALX	5.49	M2CC9	0.84	SP	0.38		
CHT	0.00	M2R2	0.84	TEN	0.00		

Presentation : cpu1:/dat1a/pass/Vulcan/fhdil_upper.pdf [1:600 Scale]
Plot Interval : 820 - 2068.98 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



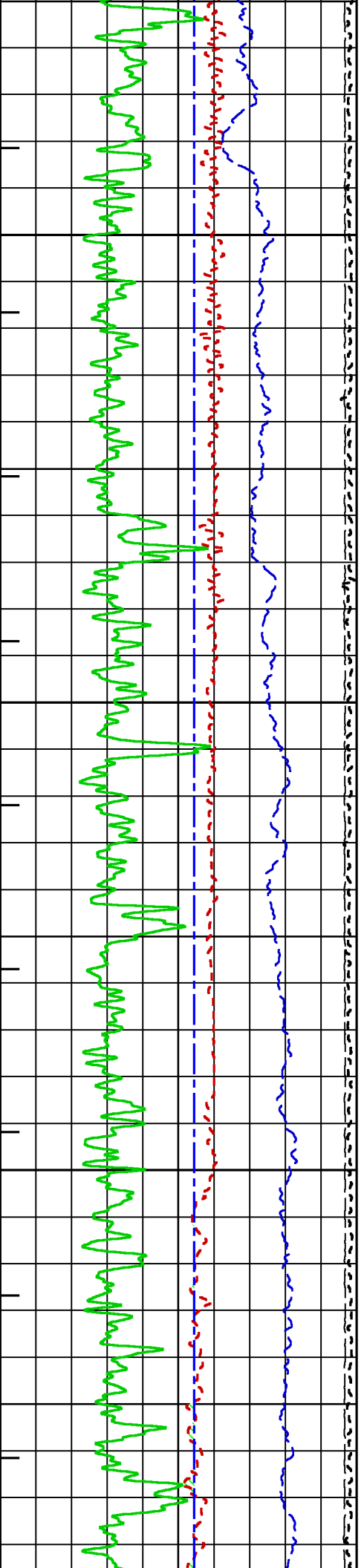


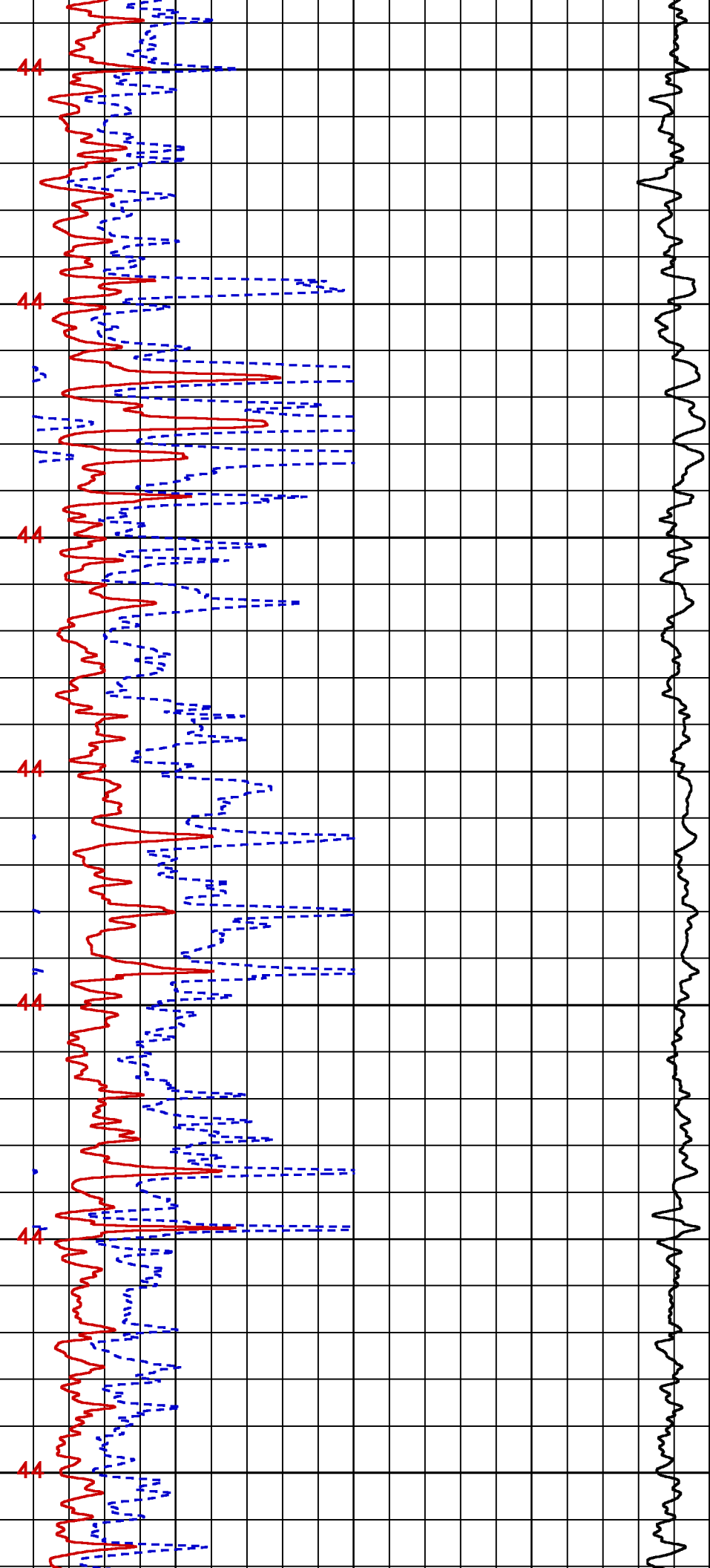


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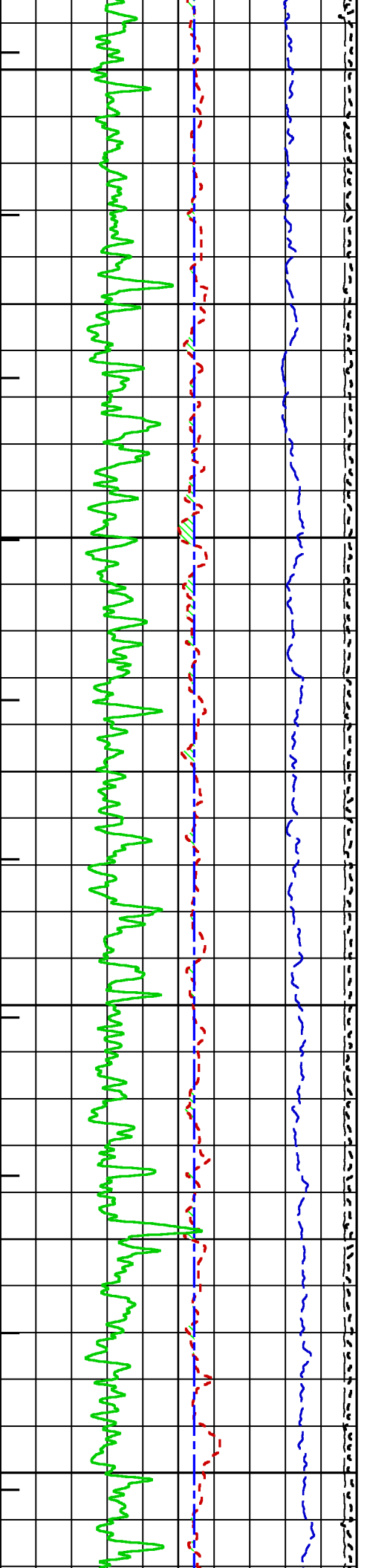


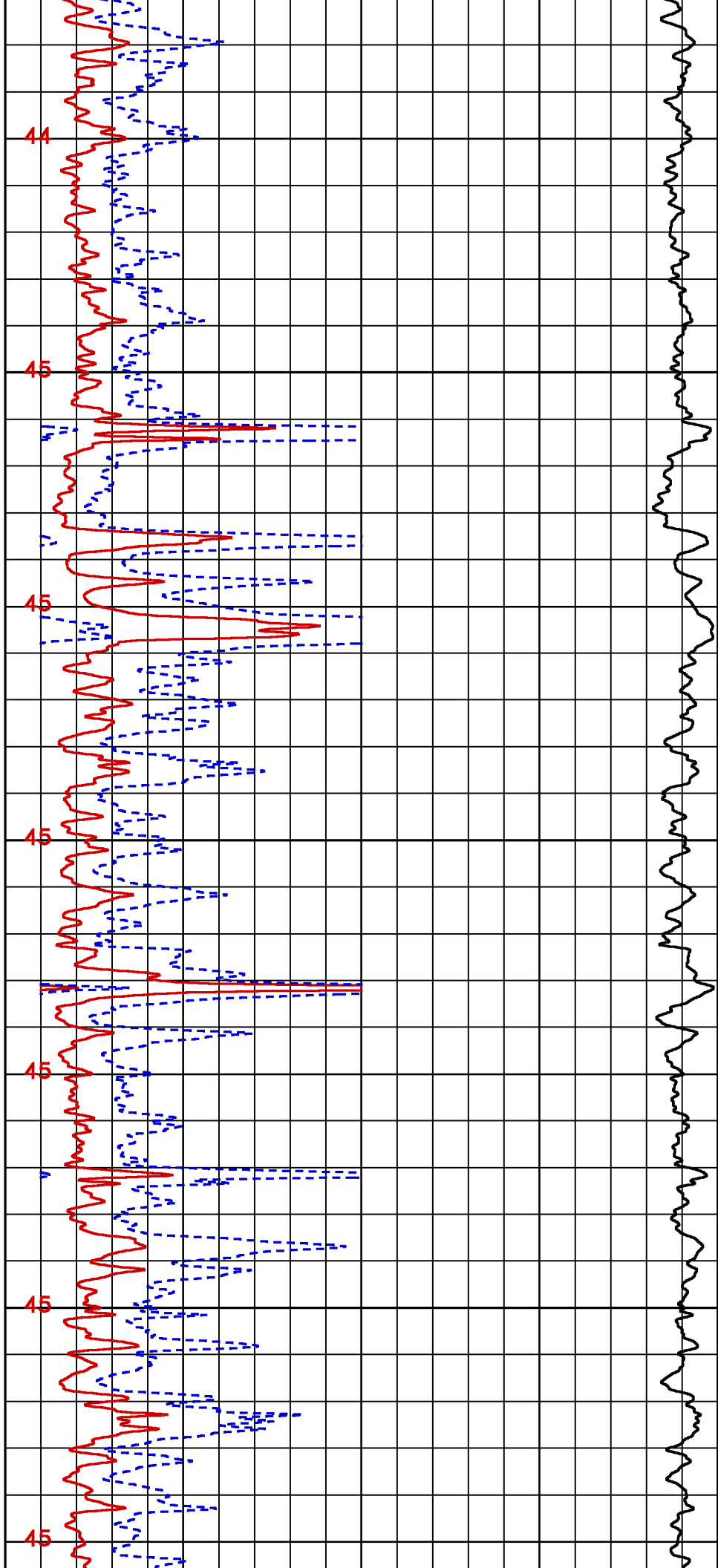
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1200

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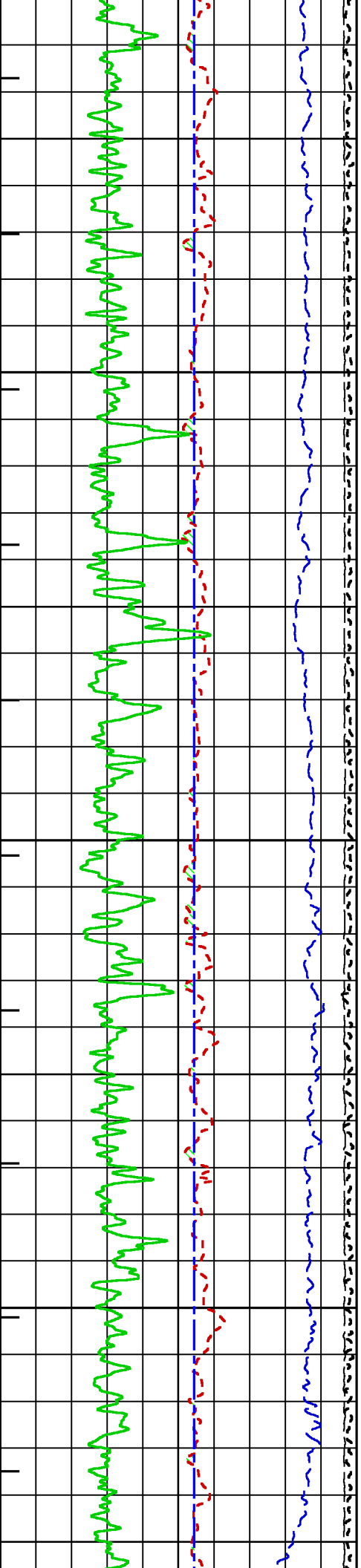


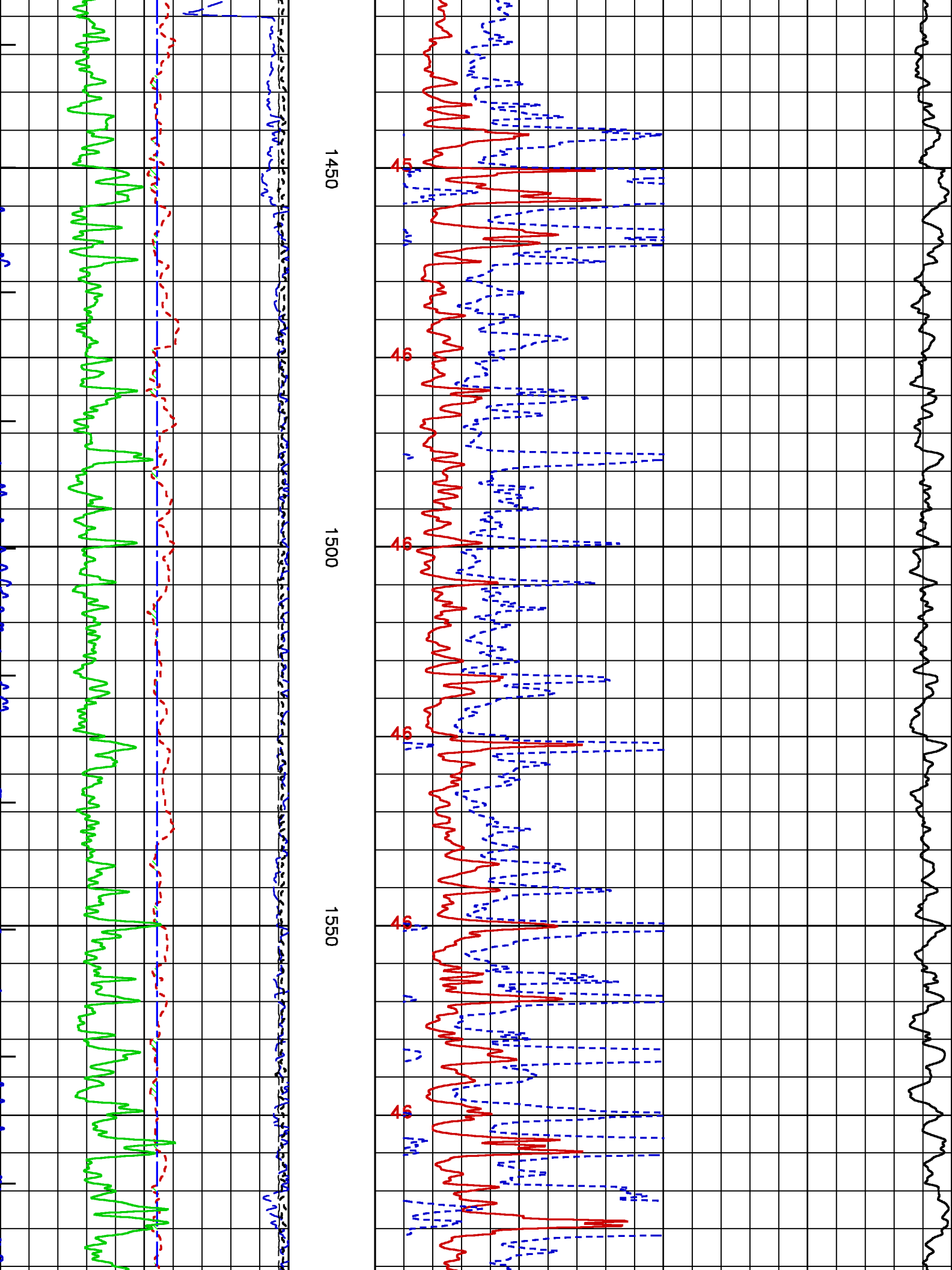


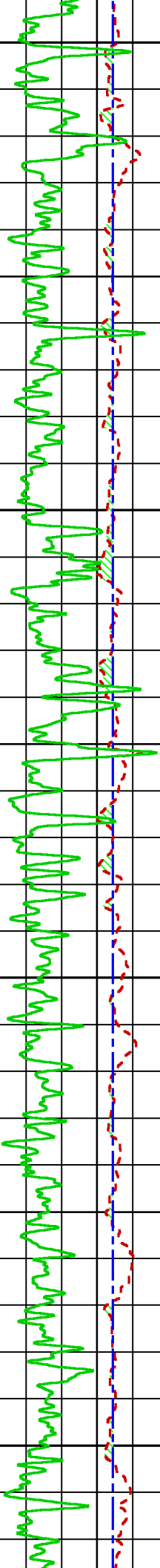
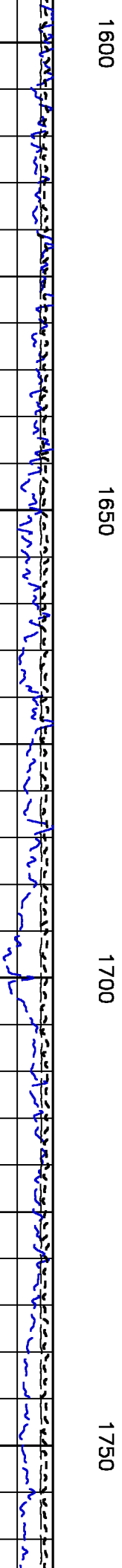
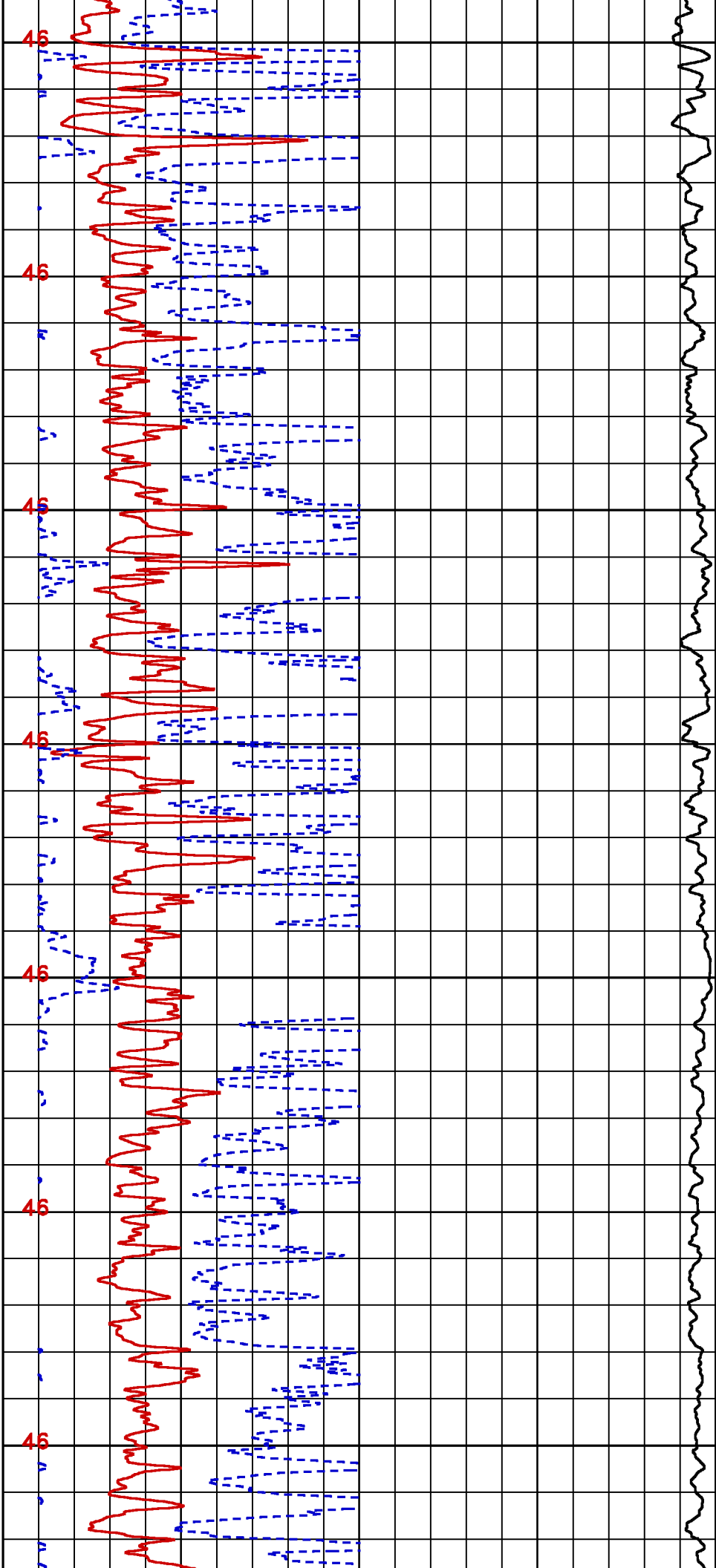
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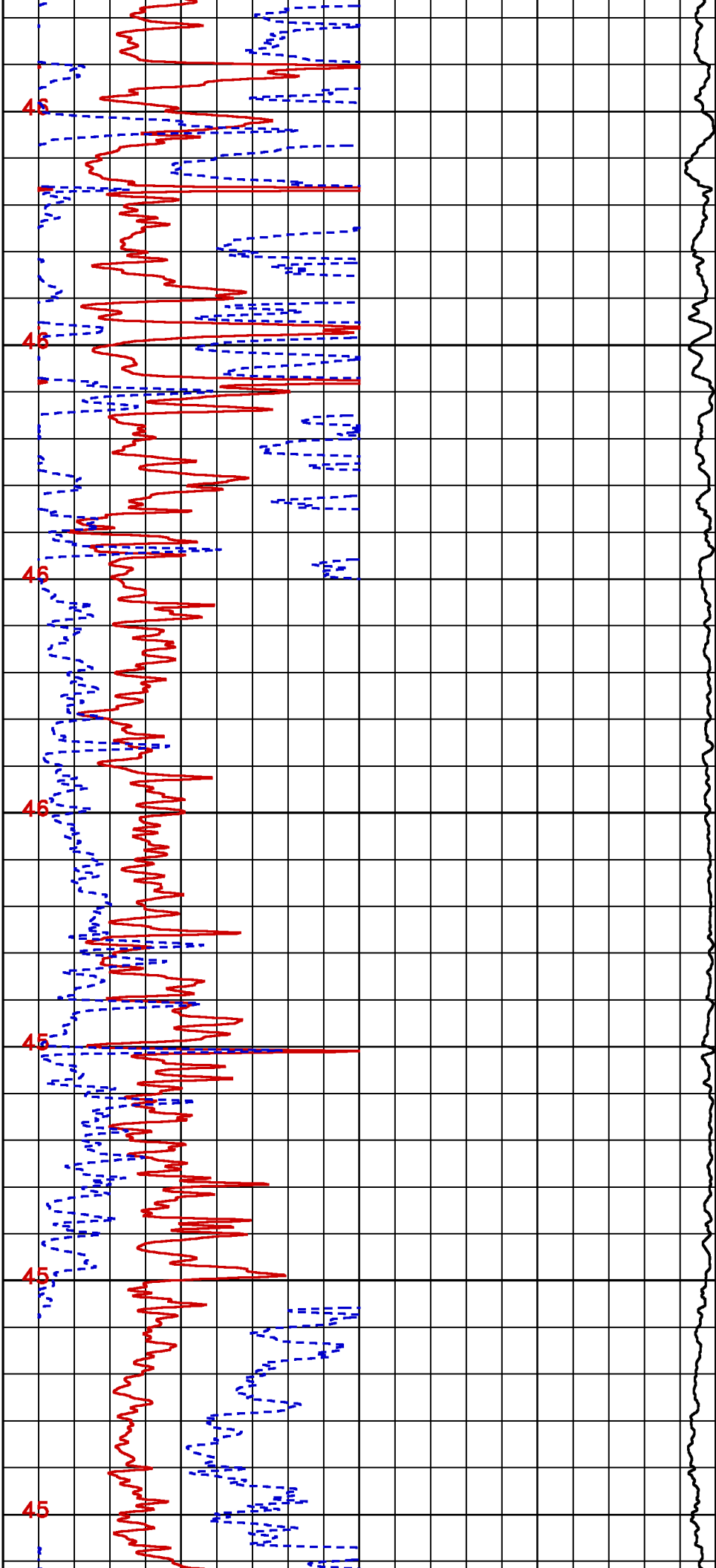
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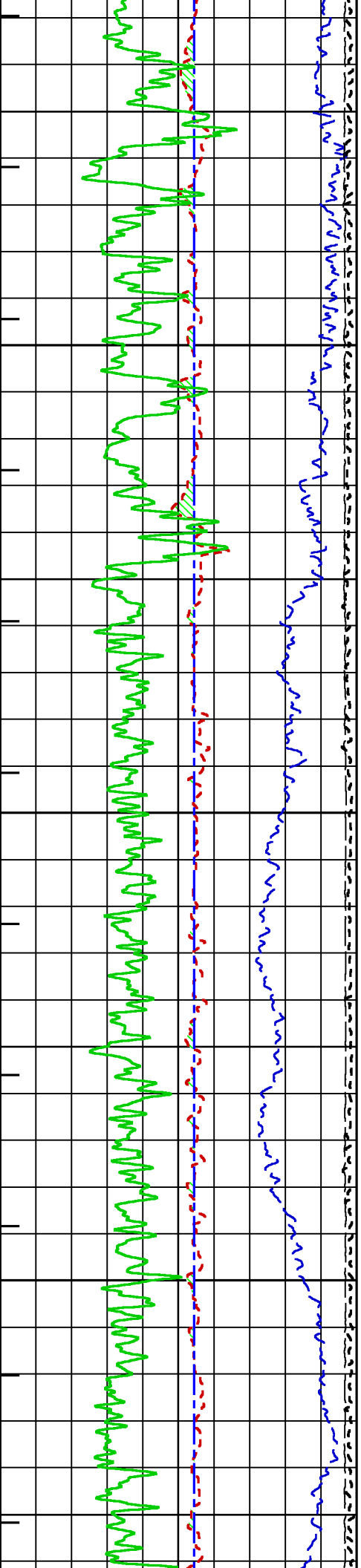


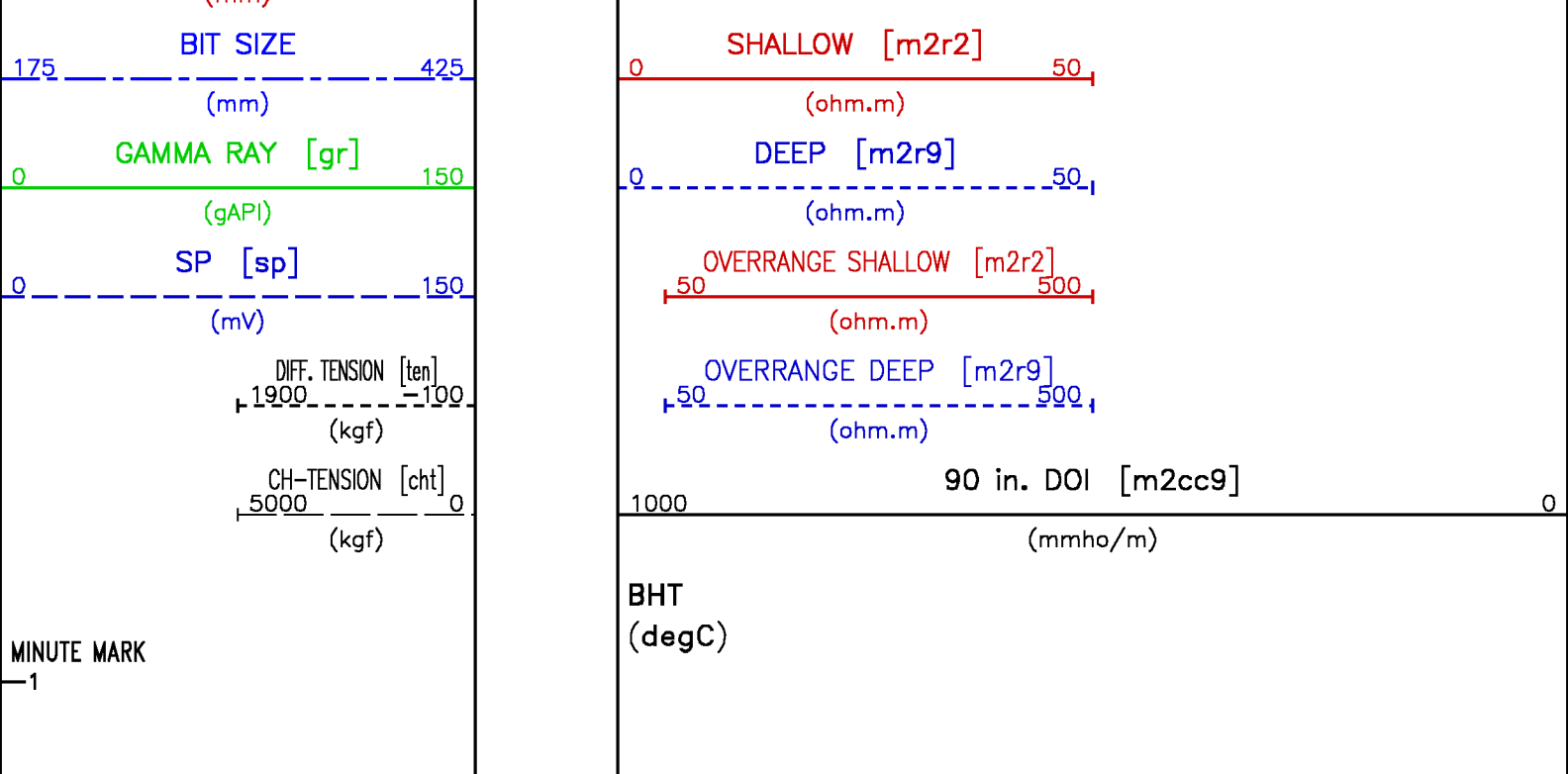


1800

1850

1900





MAIN LOG

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

Sun Aug 16 09:18:16 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)		''	''
SP-SPDH	FILTER ()	medium (1)		''	''

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
X-Y COMBINED CALIPER PROCESSING-FOCMASY	Caliper - FOCUS	Average		TOP	BOTTOM
BIT SIZE	BIT SIZE	311.000	mm	''	''
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE FIXED SIZE USE CALIPER		TOP 818.648	818.648 BOTTOM
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	317.900 311.000	mm mm	TOP 816.406	816.406 BOTTOM
BH MUD RESISTIVITY SOURCE	RMUD SOURCE (HDIL)	TOOL MEASURED		TOP	BOTTOM
MUD SAMPLE RESISTIVITY	MUD SAMPLE TEMP	25.0	degC	''	''
	MUD SAMPLE RES	1.000	ohm.m	''	''
BOREHOLE TEMP from GRADIENT	Known BH REF TEMP	25.0	degC	''	''

at BH REF DEPTH0.0m''''

with TEMP GRADIENT2.1870.01 degC/m''''

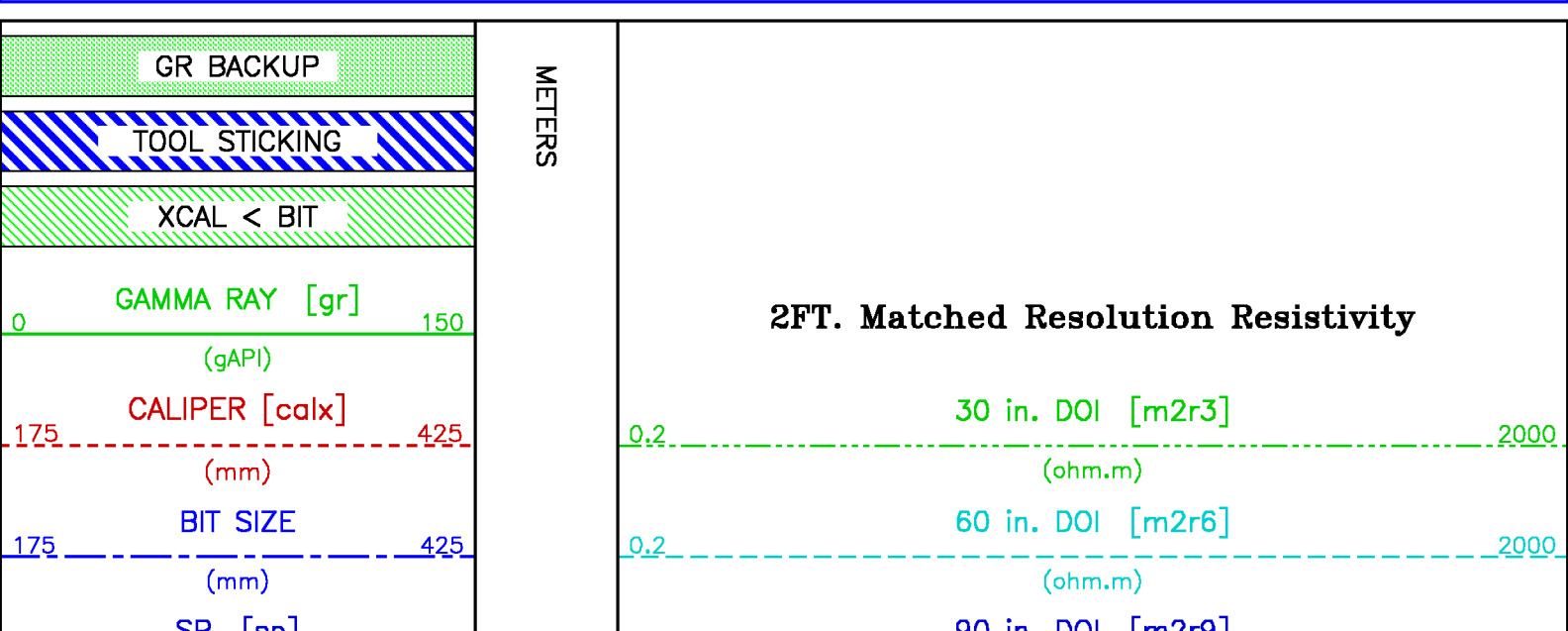
ACCELERATION PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ACCEL CORR SWITCH	ACCEL DEPTH CORR	CORRECTION ON		TOP	BOTTOM

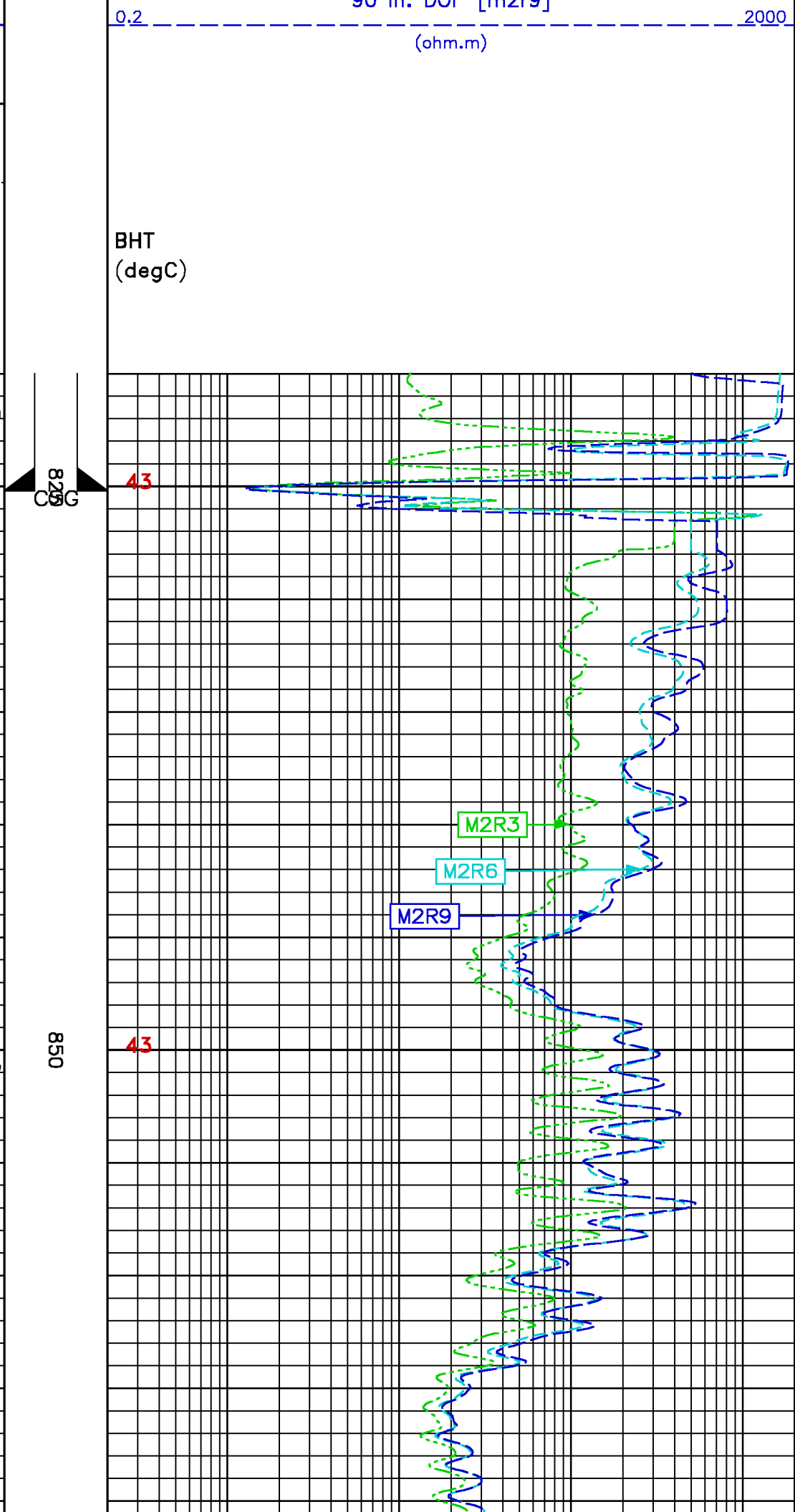
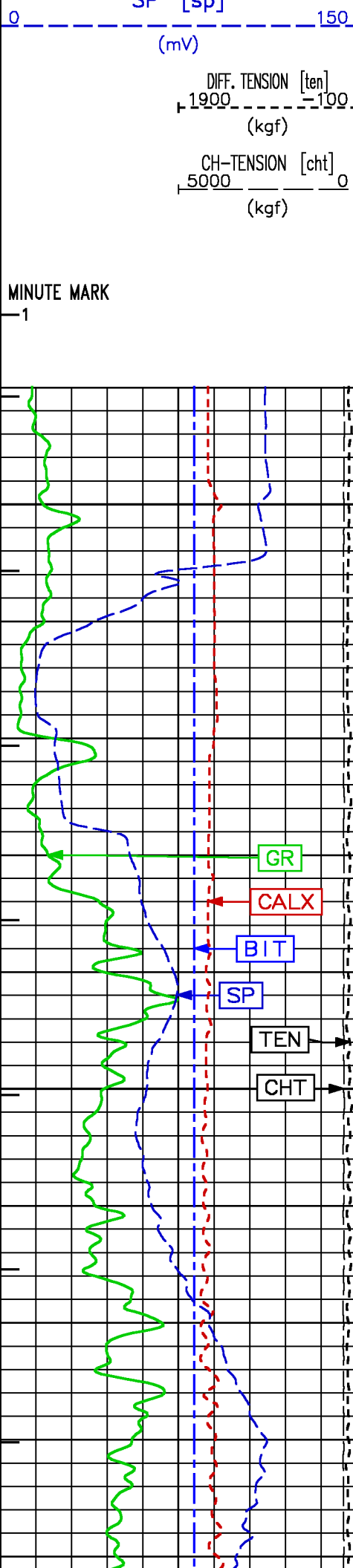
HDIL PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
HDIL TEMPERATURE CORRECTION	TEMP CORRECTION	ON		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		''	''
	ABC to CALCULATE	STANDOFF		''	''
	STANDOFF	38.10	mm	''	''
	TOOL POSITION	CENTRALIZED		''	''
	Rmud MULTIPLIER	1.000		''	''

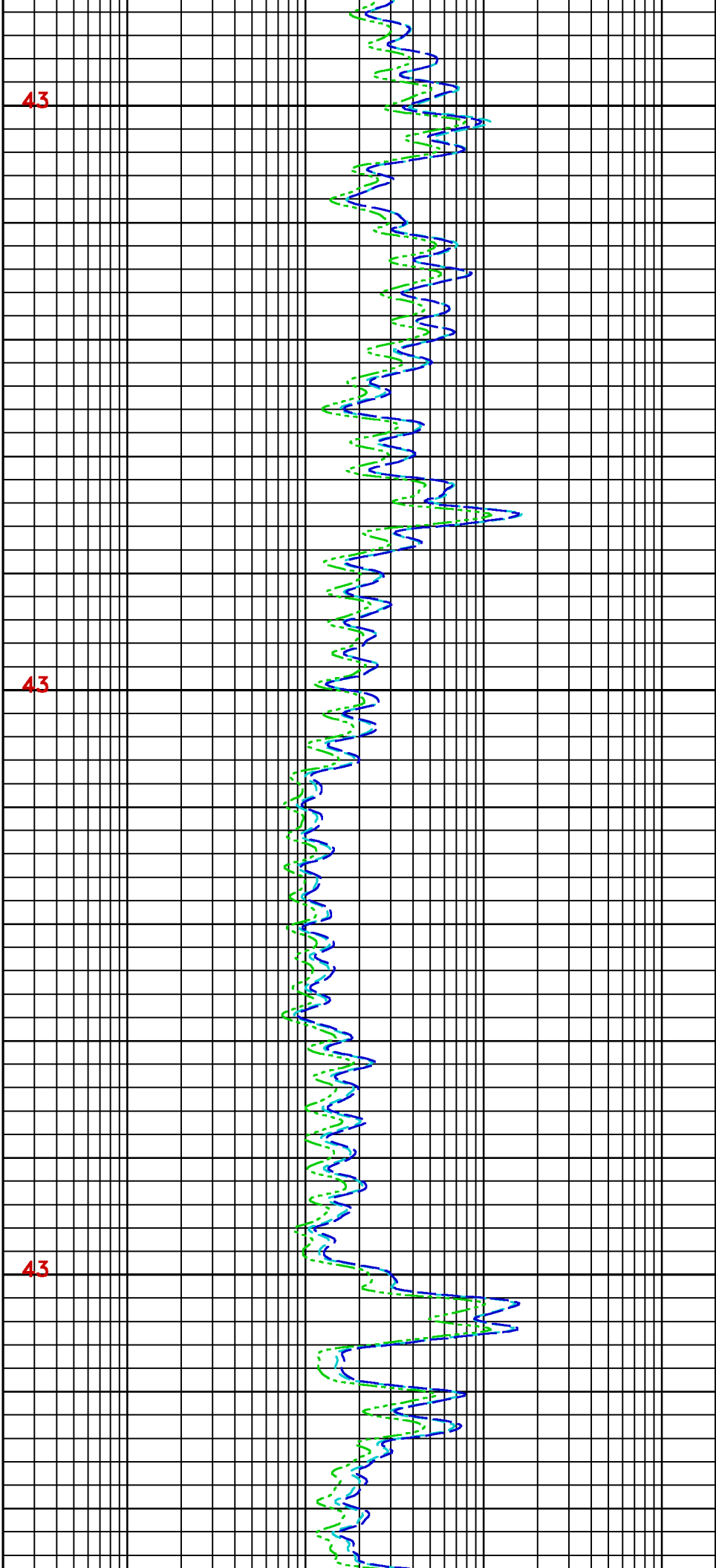
CURVE DESCRIPTION REPORT			
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Aug 16 04:12:12 2009	BIT SIZE
F1:CALX	CALX	Aug 16 04:12:12 2009	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CHT	CHT	Aug 16 04:12:12 2009	CABLE HEAD TENSION
F1:GR	GR	Aug 16 04:12:12 2009	GAMMA RAY
F1:M2R3	M2R3	Aug 16 04:12:12 2009	VERT RESOLUTION MATCHED (2 FT) RES - DOI 30 INCH
F1:M2R6	M2R6	Aug 16 04:12:12 2009	VERT RESOLUTION MATCHED (2 FT) RES - DOI 60 INCH
F1:M2R9	M2R9	Aug 16 04:12:12 2009	VERT RESOLUTION MATCHED (2 FT) RES - DOI 90 INCH
F1:MDTMP		Aug 16 04:12:12 2009	MUD TEMPERATURE
F1:MMRK	MMRK	Aug 16 04:12:12 2009	MINUTE MARK
F1:SP	SP	Aug 16 04:12:12 2009	SPONTANEOUS POTENTIAL
F1:TEN	TEN	Aug 16 04:12:12 2009	DIFFERENTIAL TENSION

CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	GR	10.67	M2R9	0.84		
CALX	5.49	M2R3	0.84	SP	0.38		
CHT	0.00	M2R6	0.84	TEN	0.00		

Presentation	: cpu1:/dat1a/pass/Vulcan/fhdl_main.pdf [1:240 Scale]
Plot Interval	: 820 - 2068.98 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



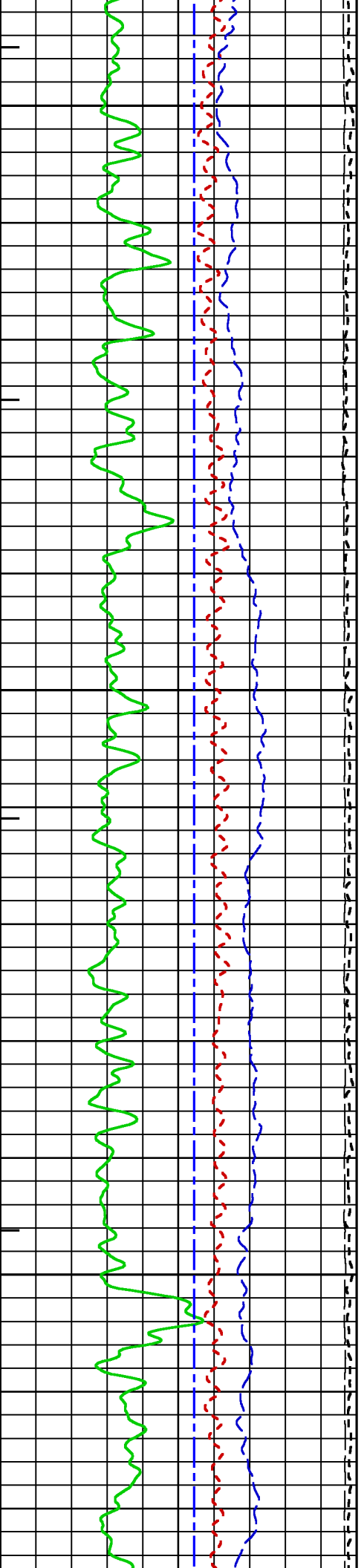


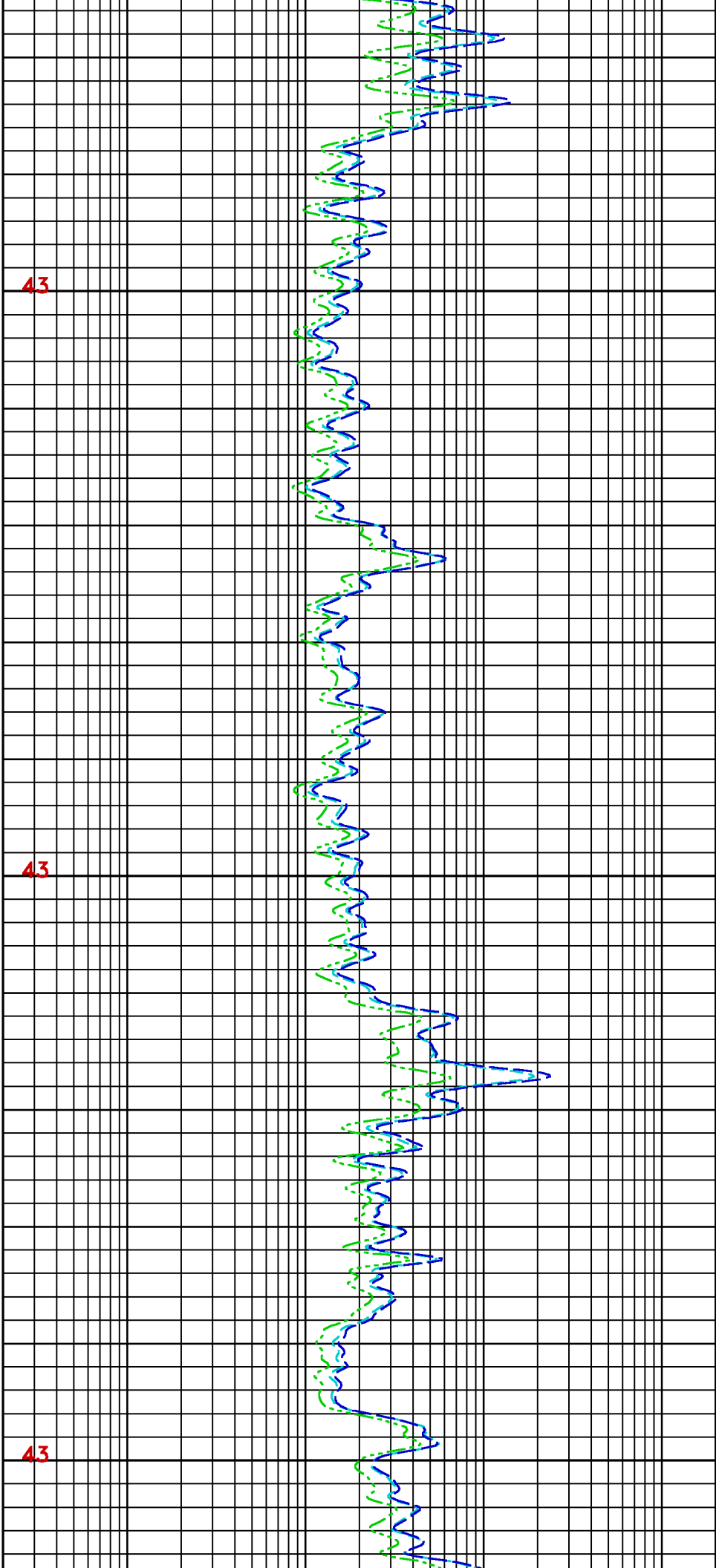


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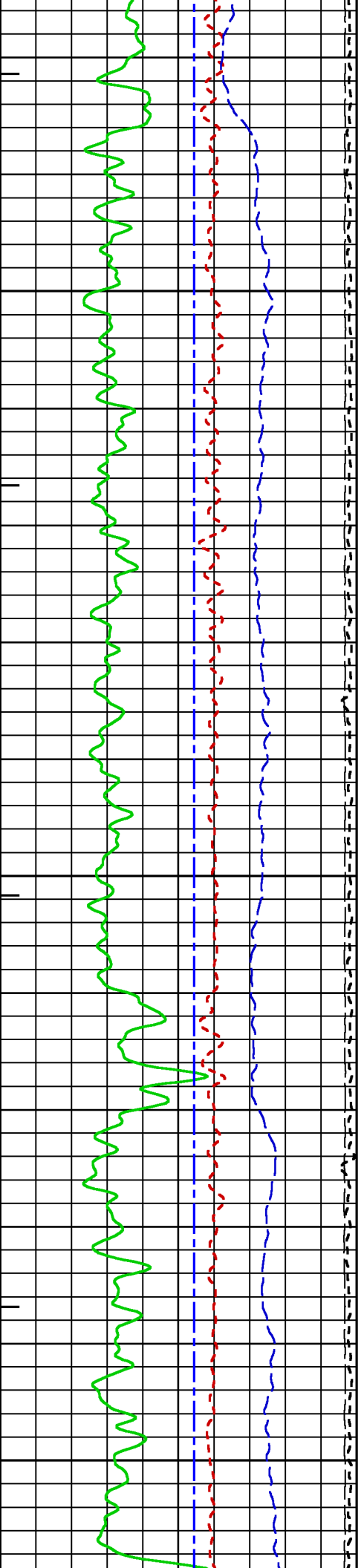


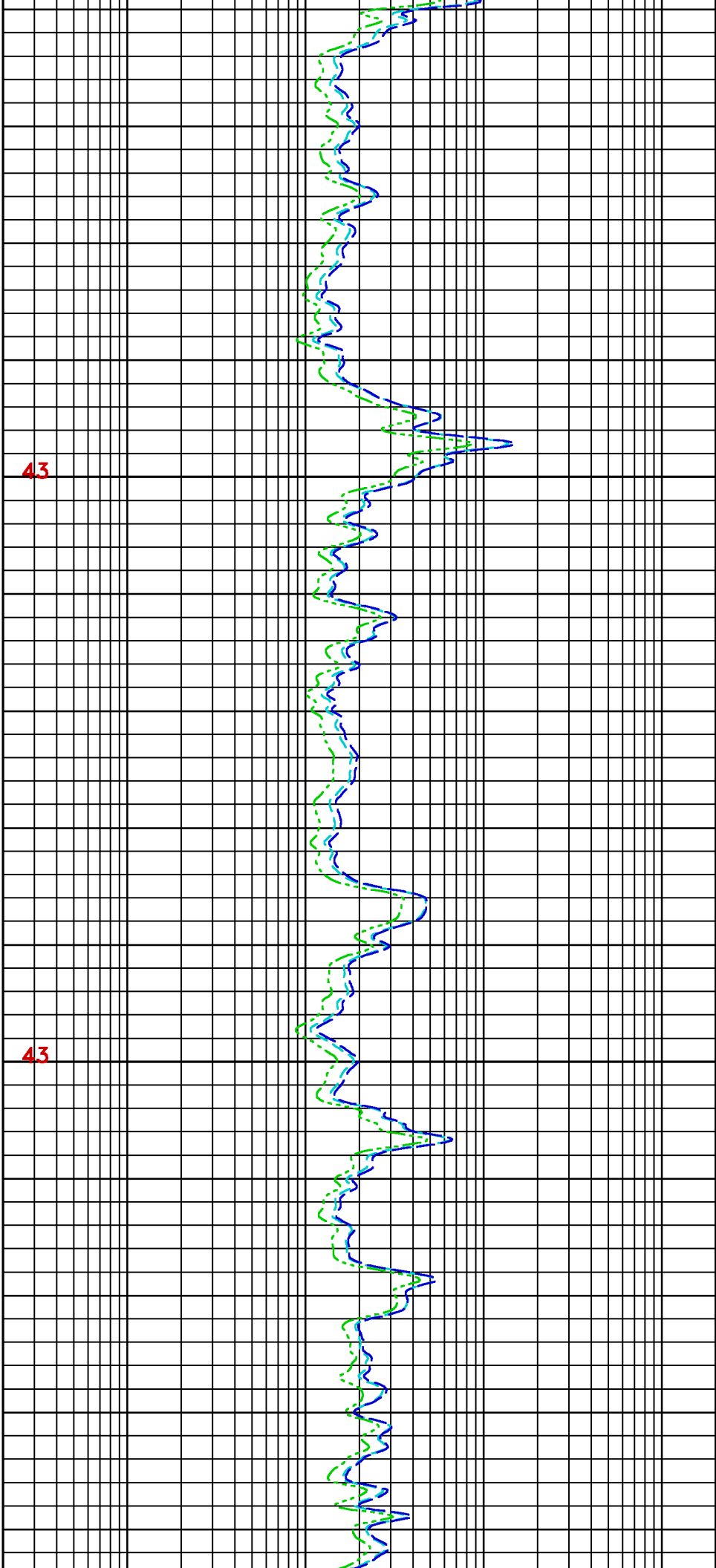


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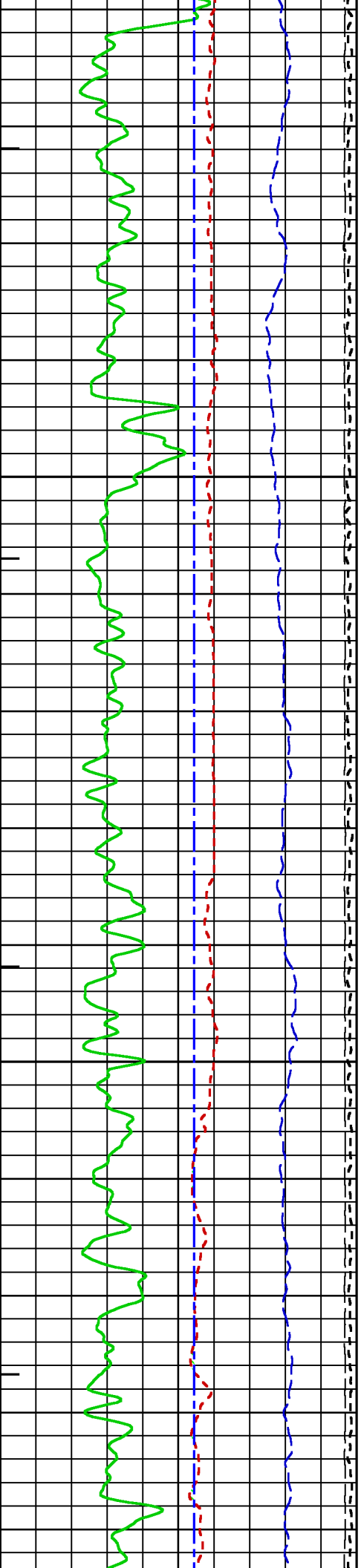
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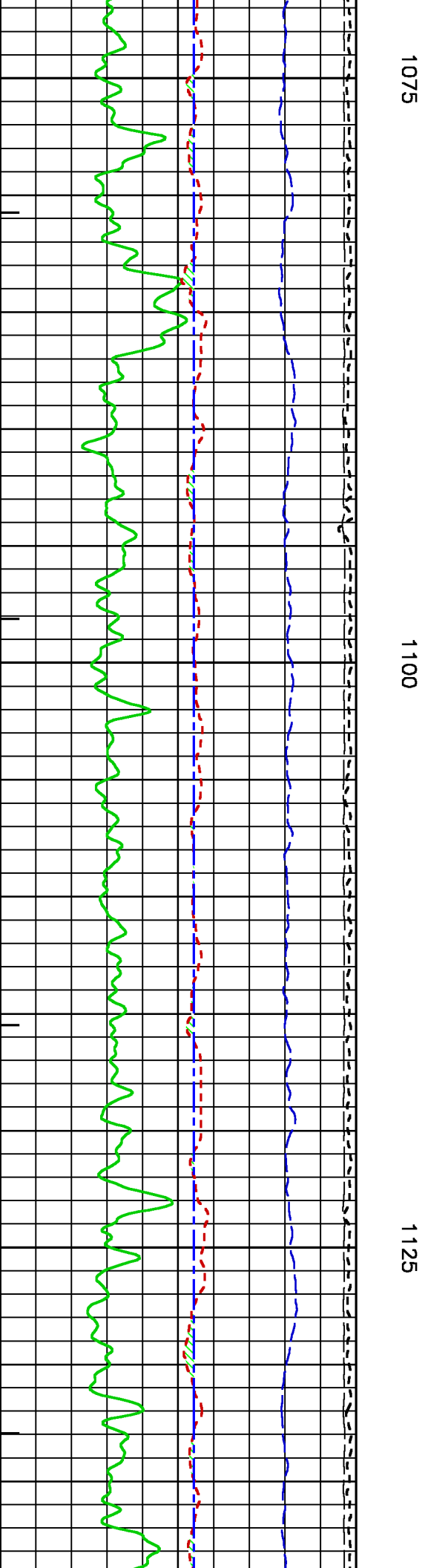
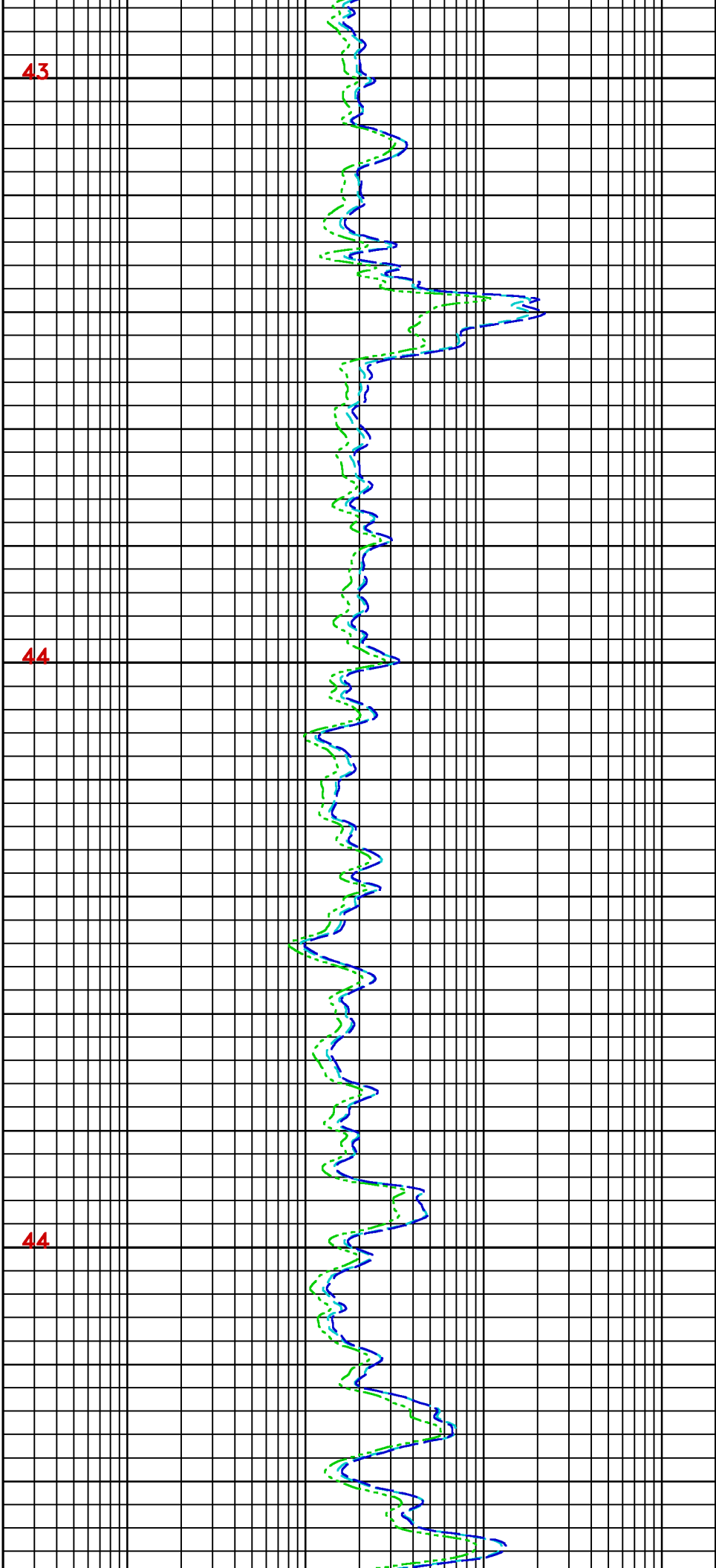


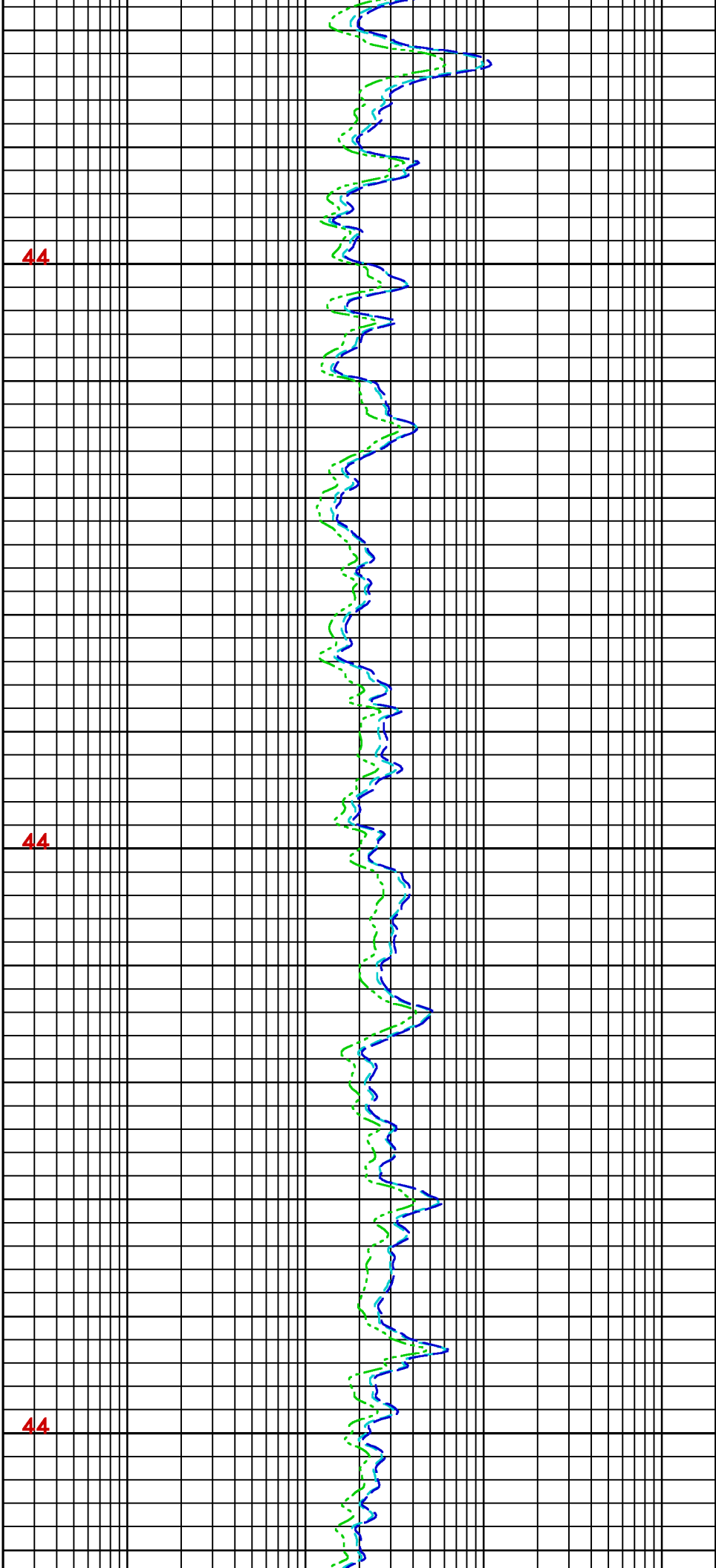


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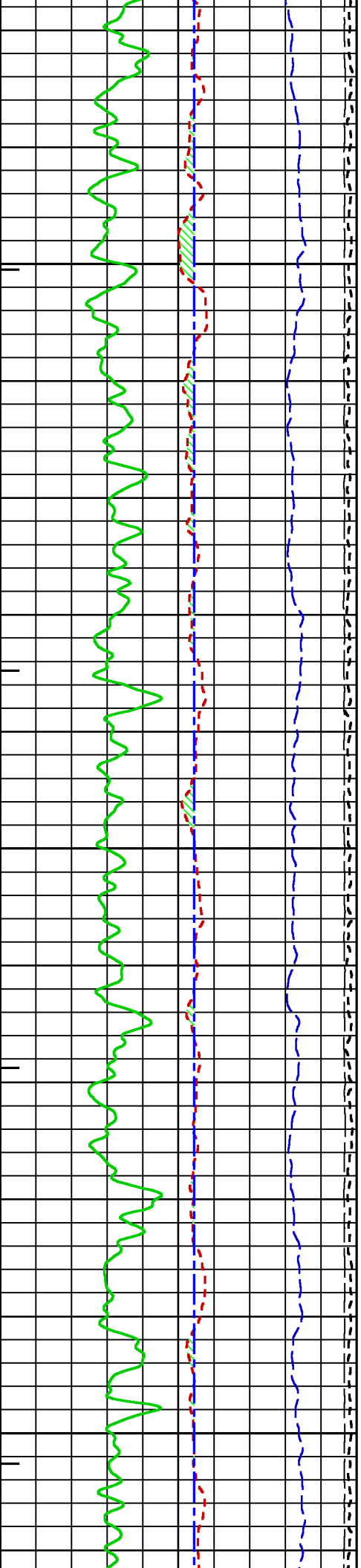


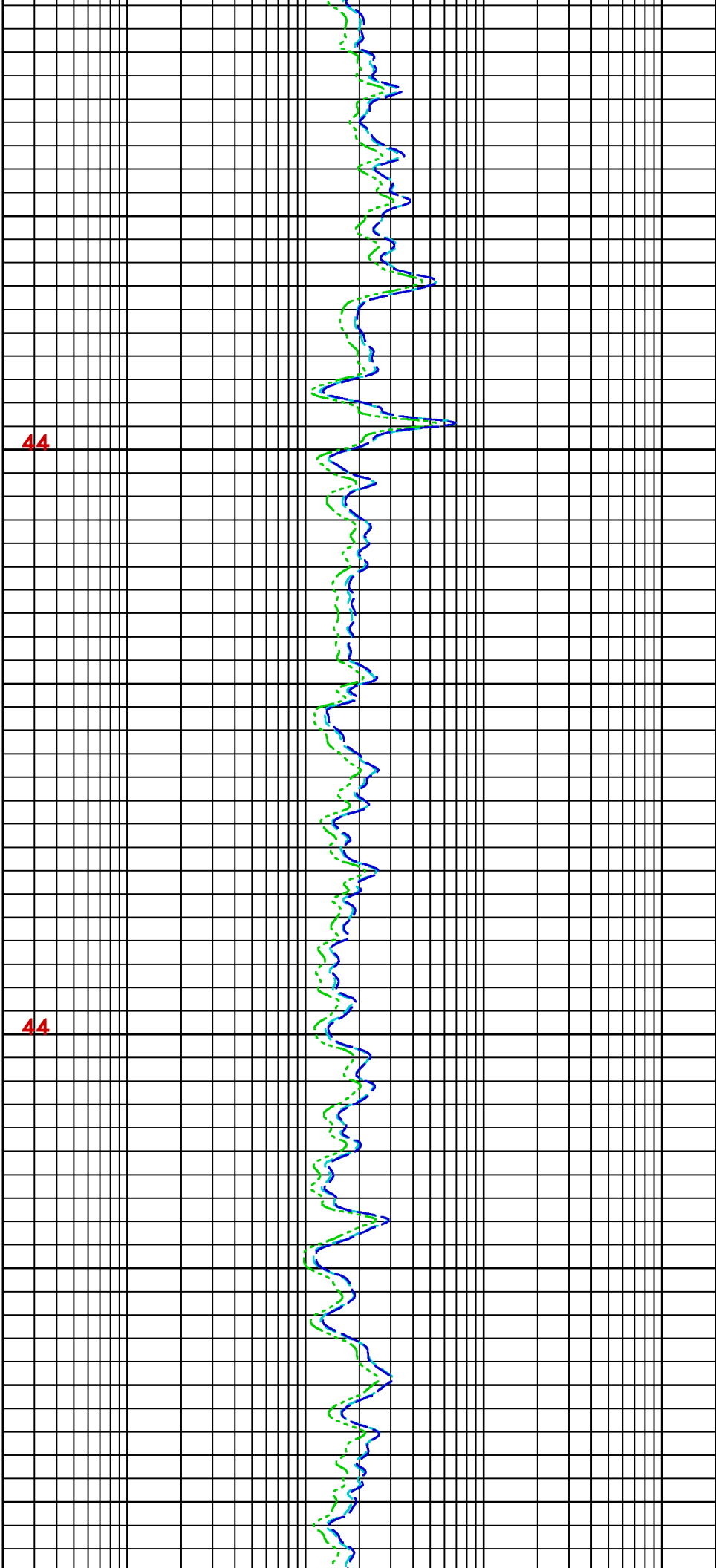


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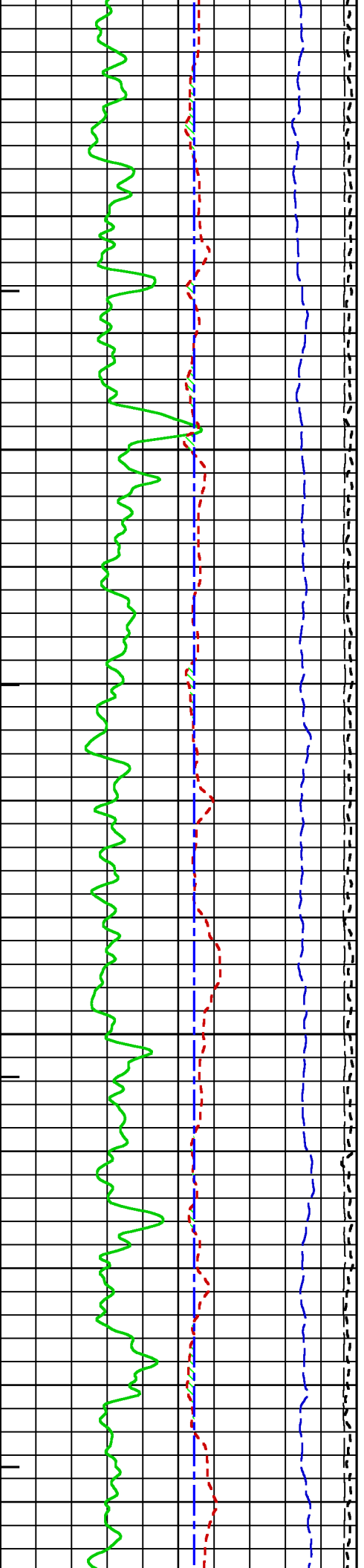
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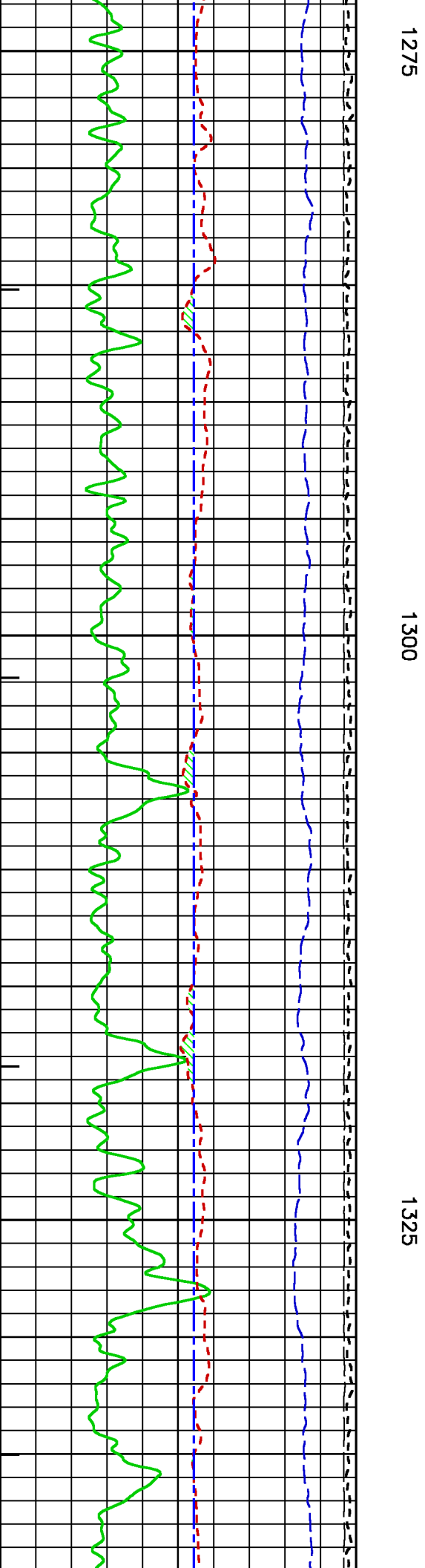
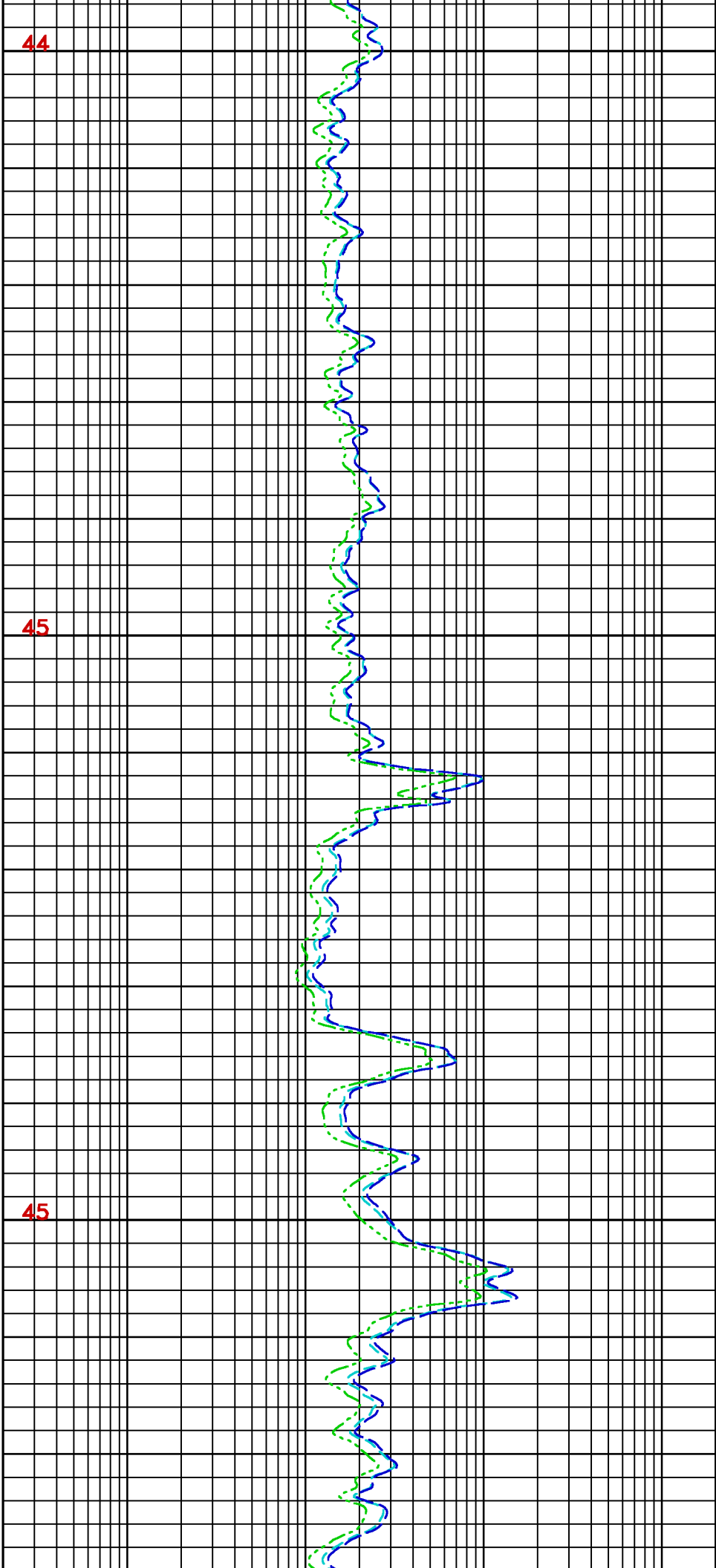


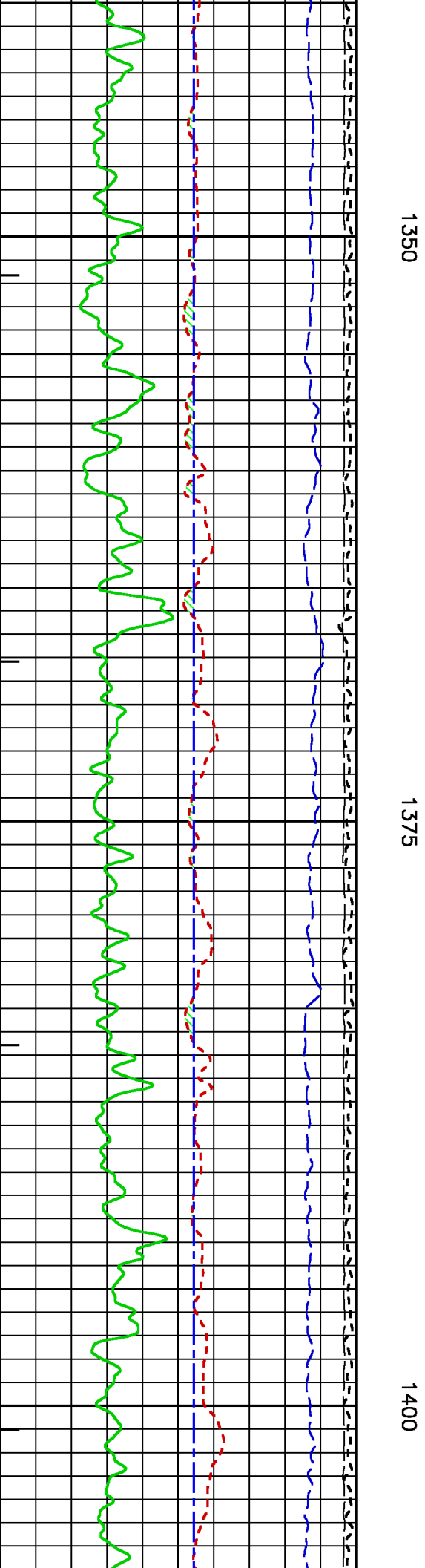
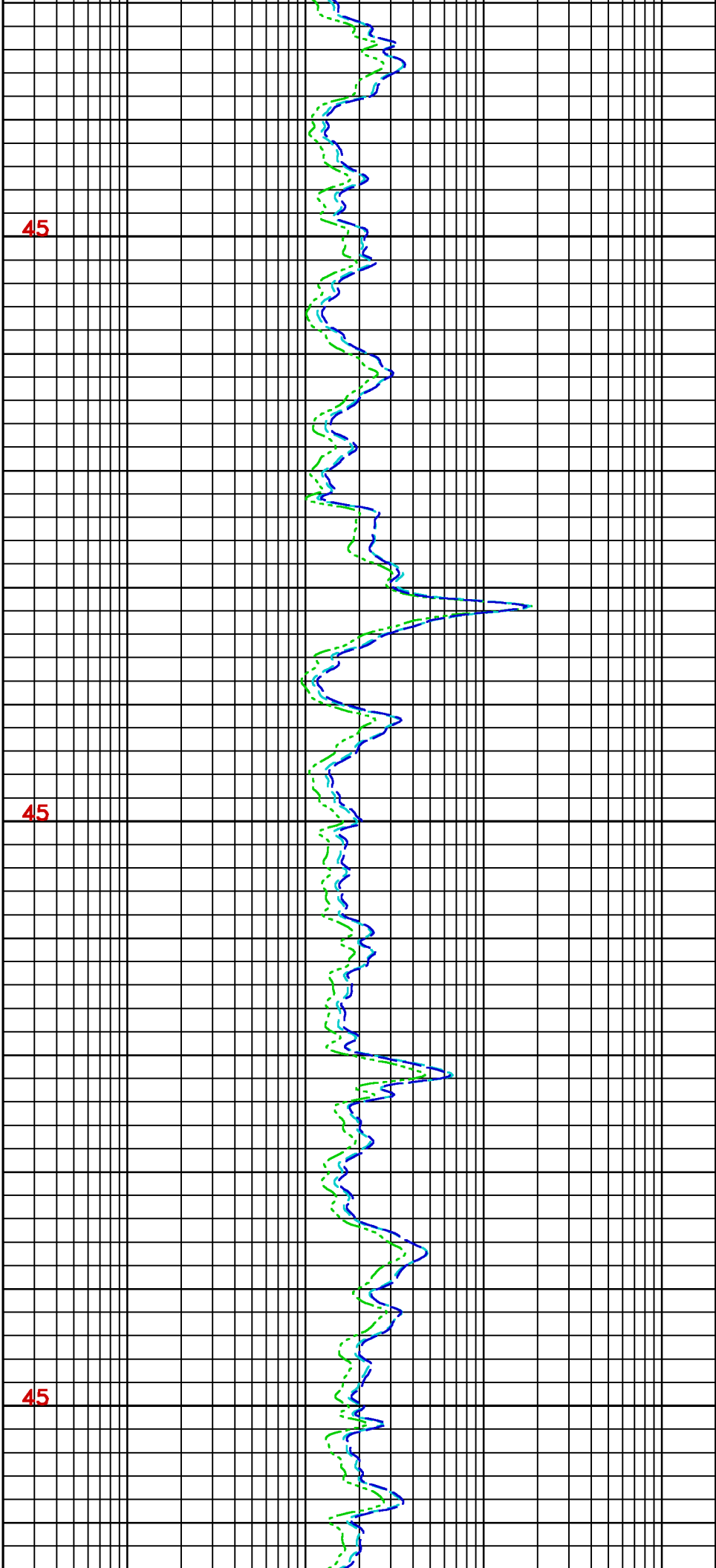


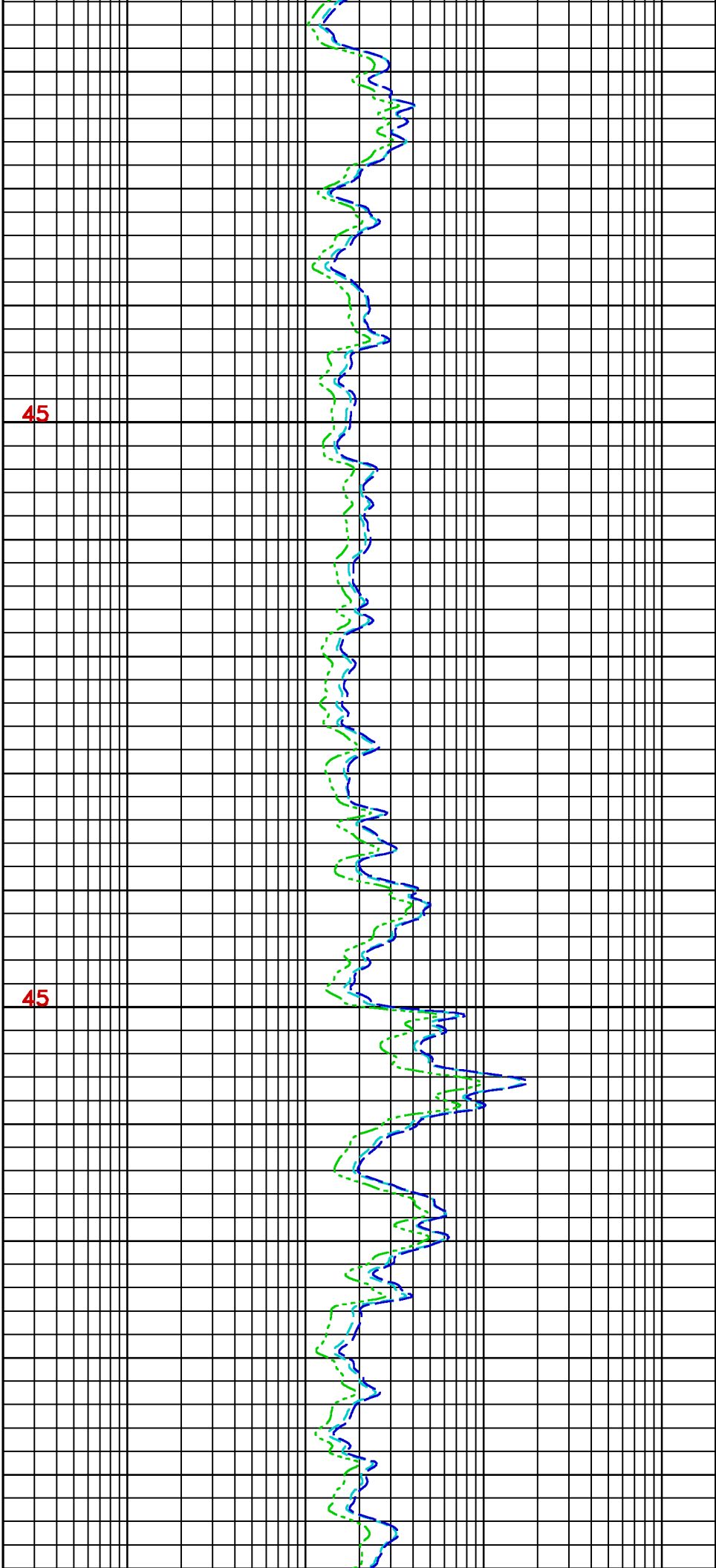
1225

1250



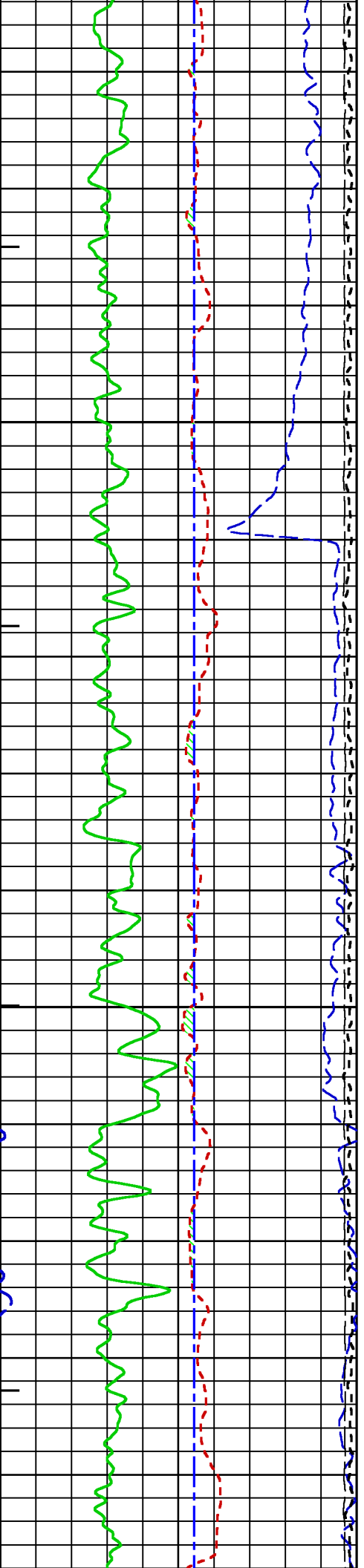


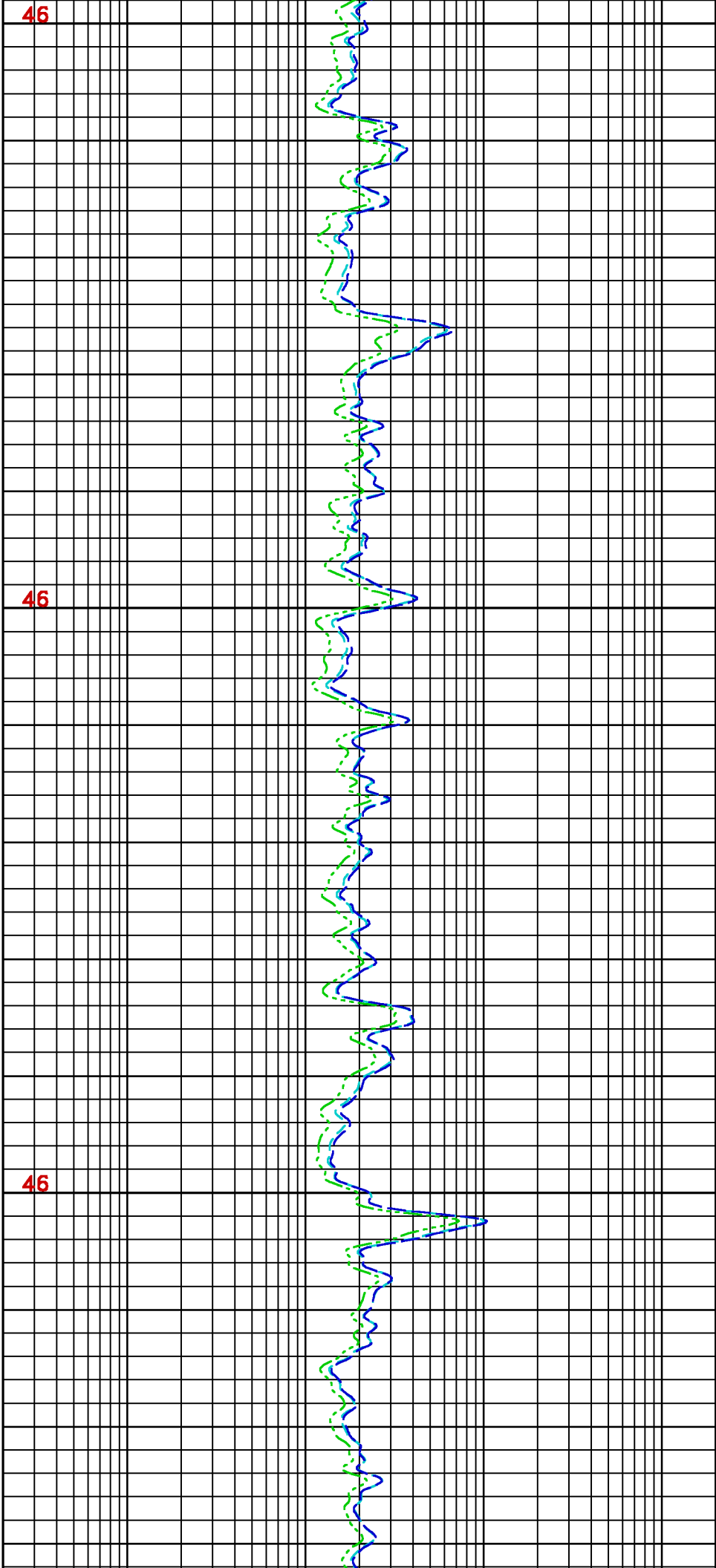




1425

1450

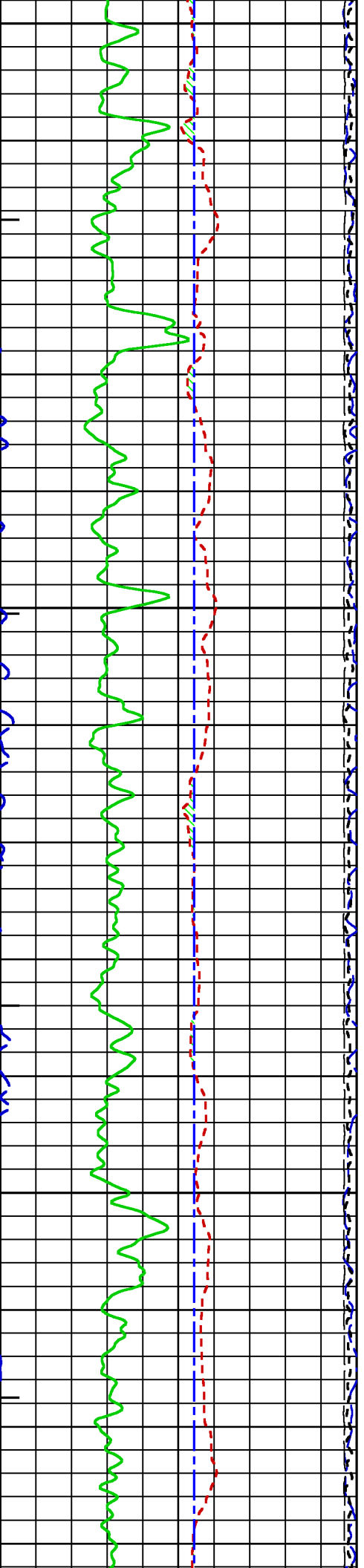


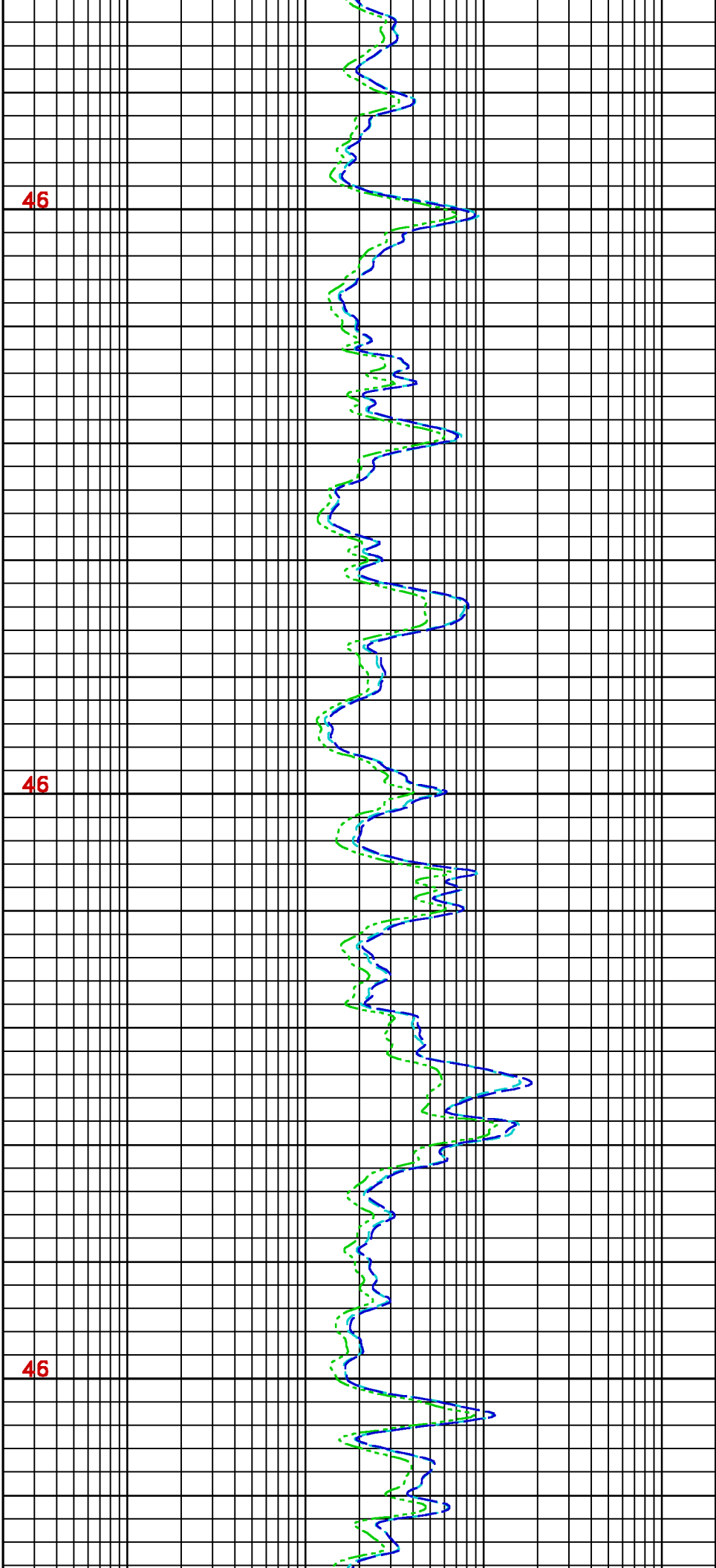


1475

1500

1525

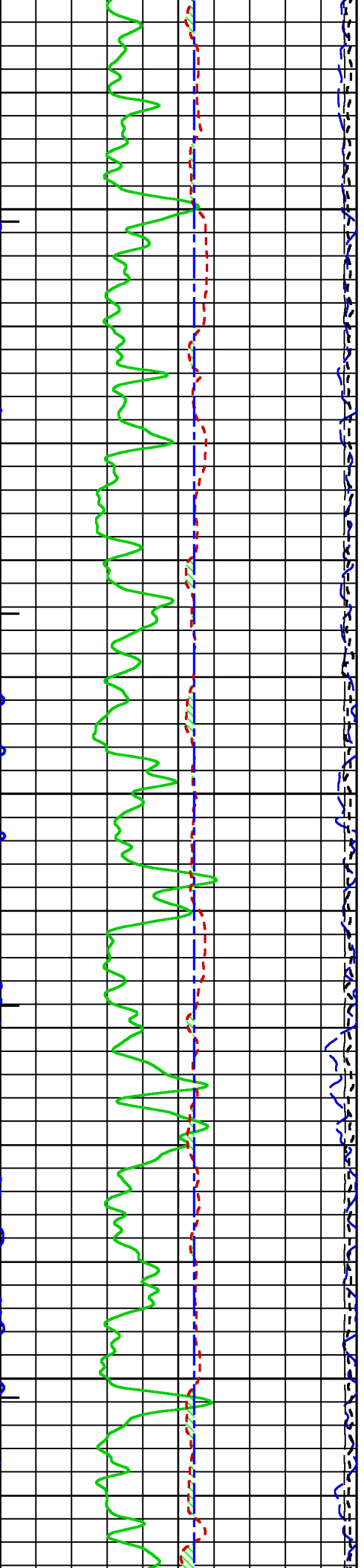


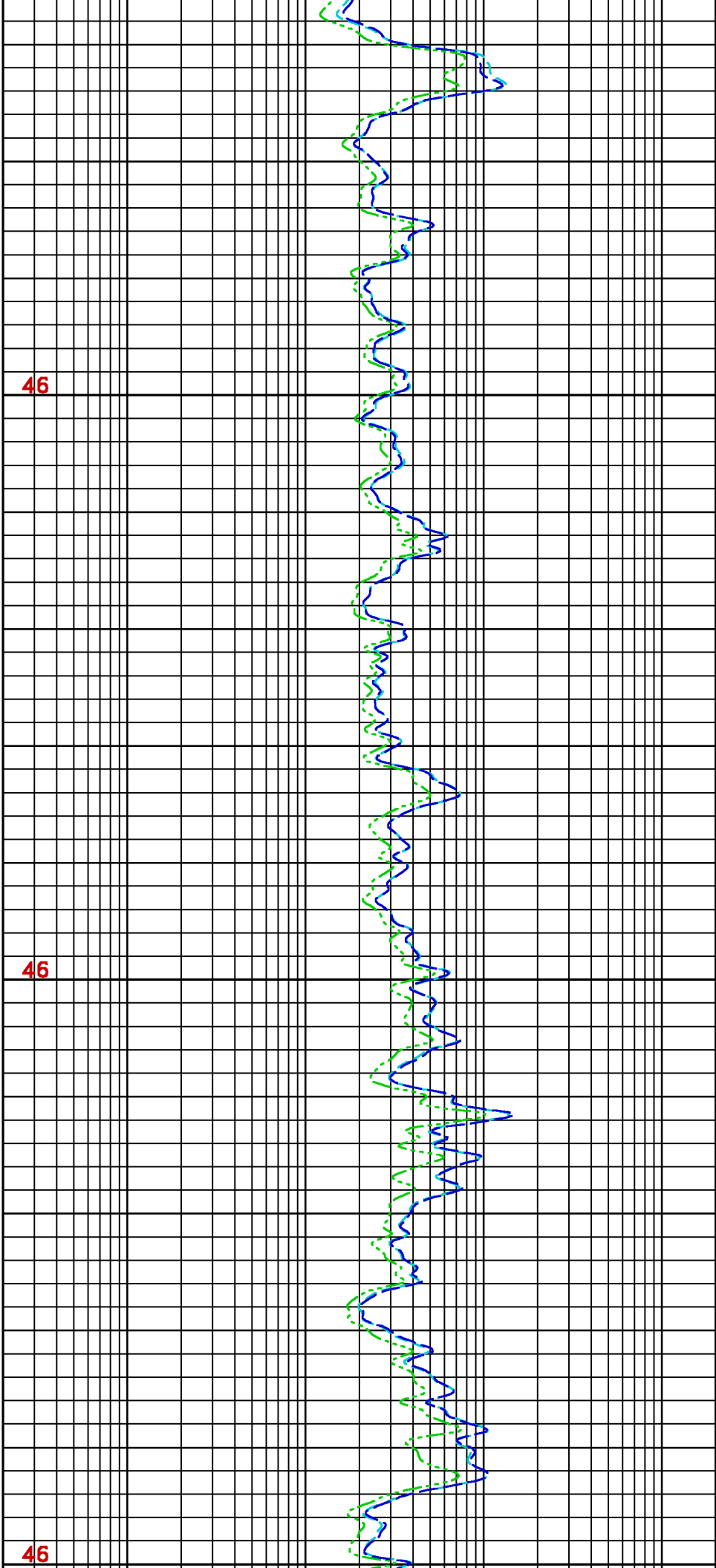


1550

1575

1600

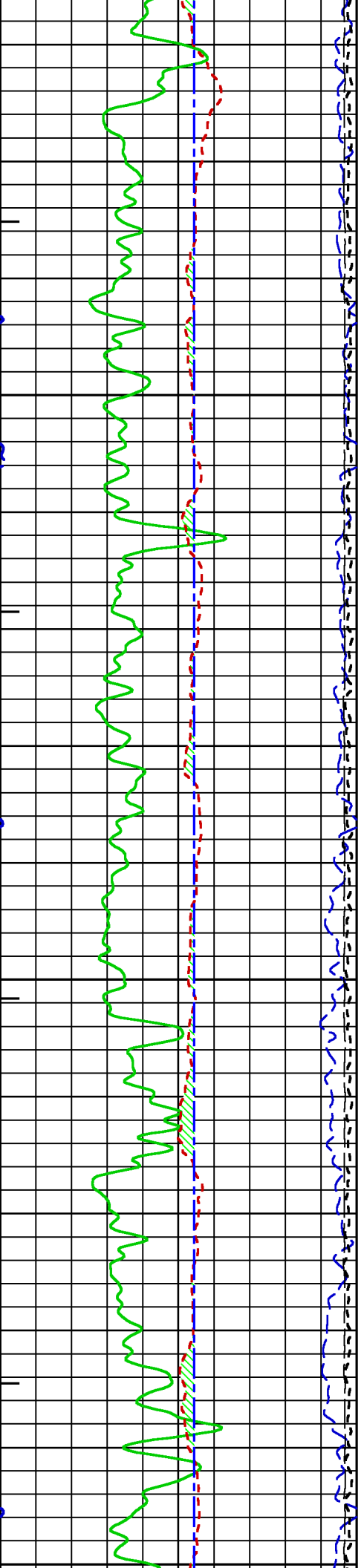


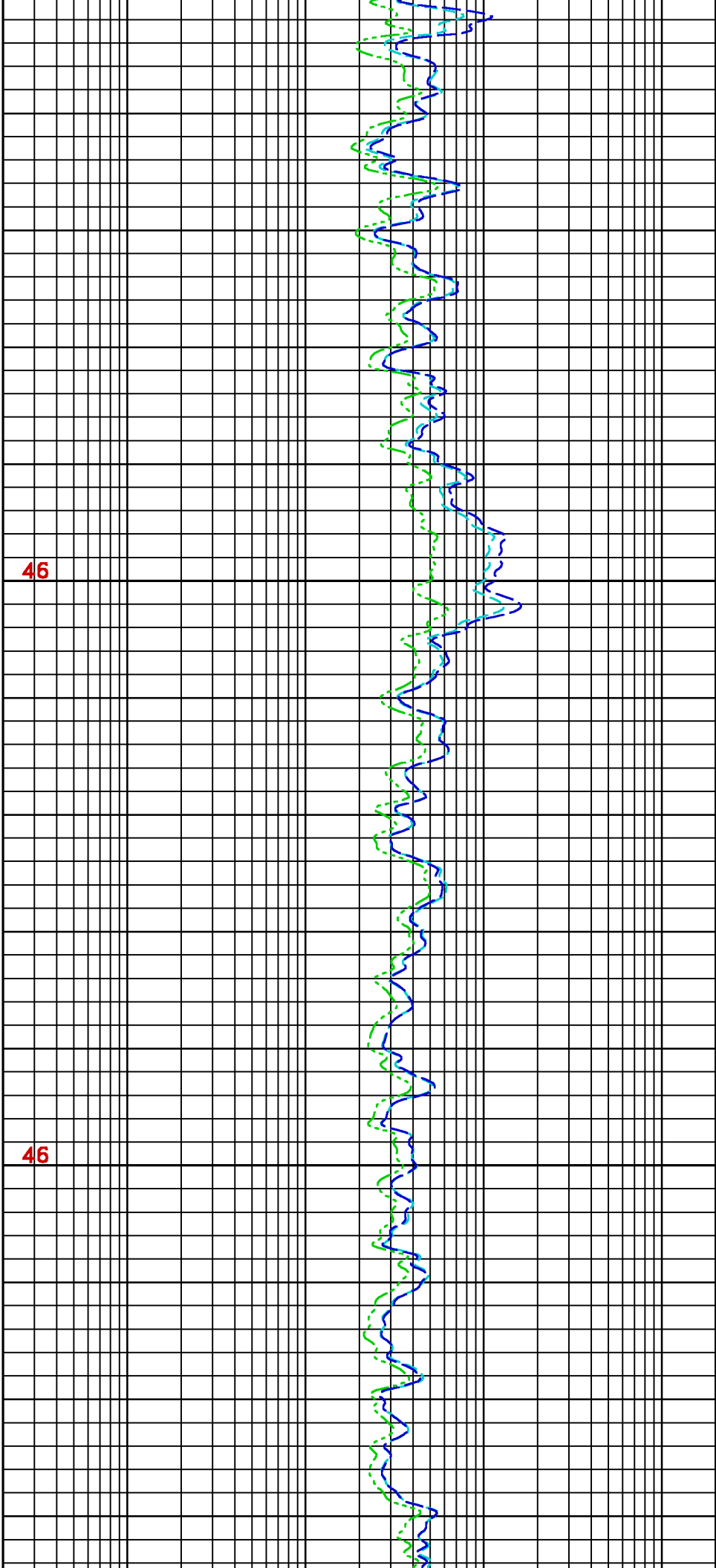


1625

1650

16

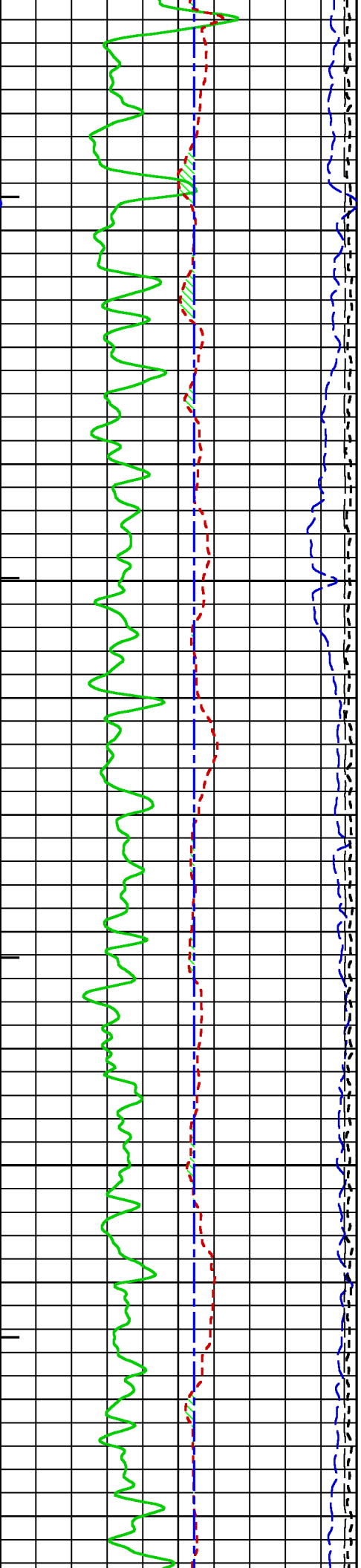


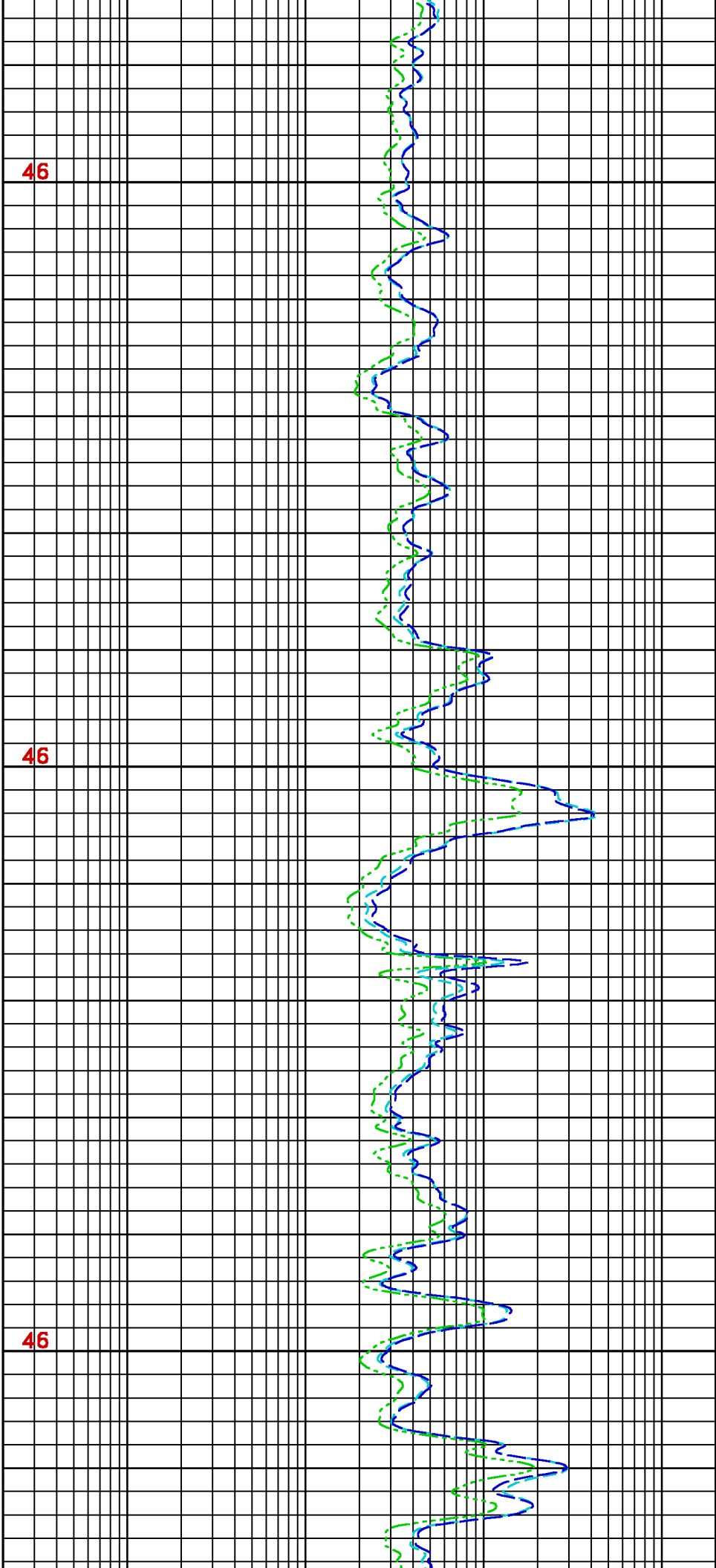


75

1700

1725

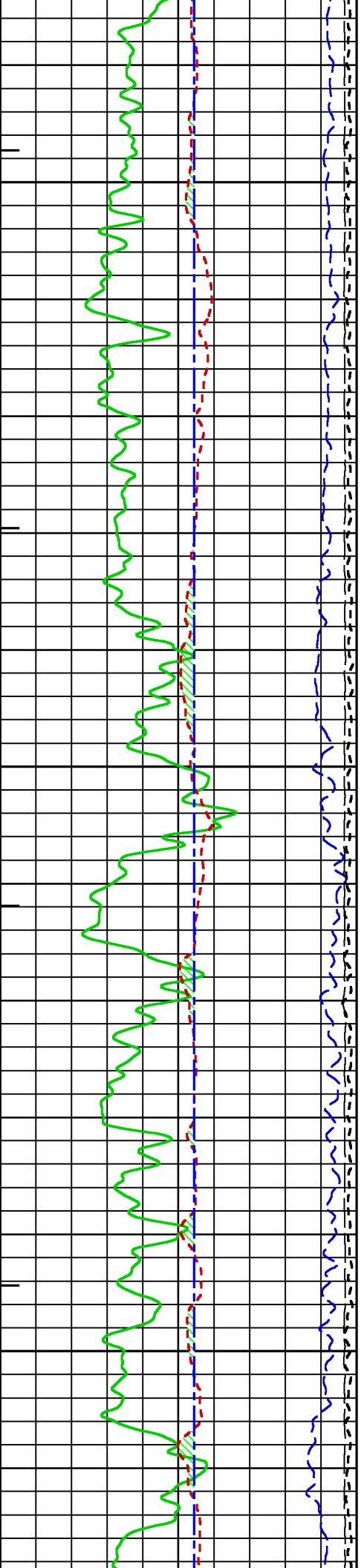


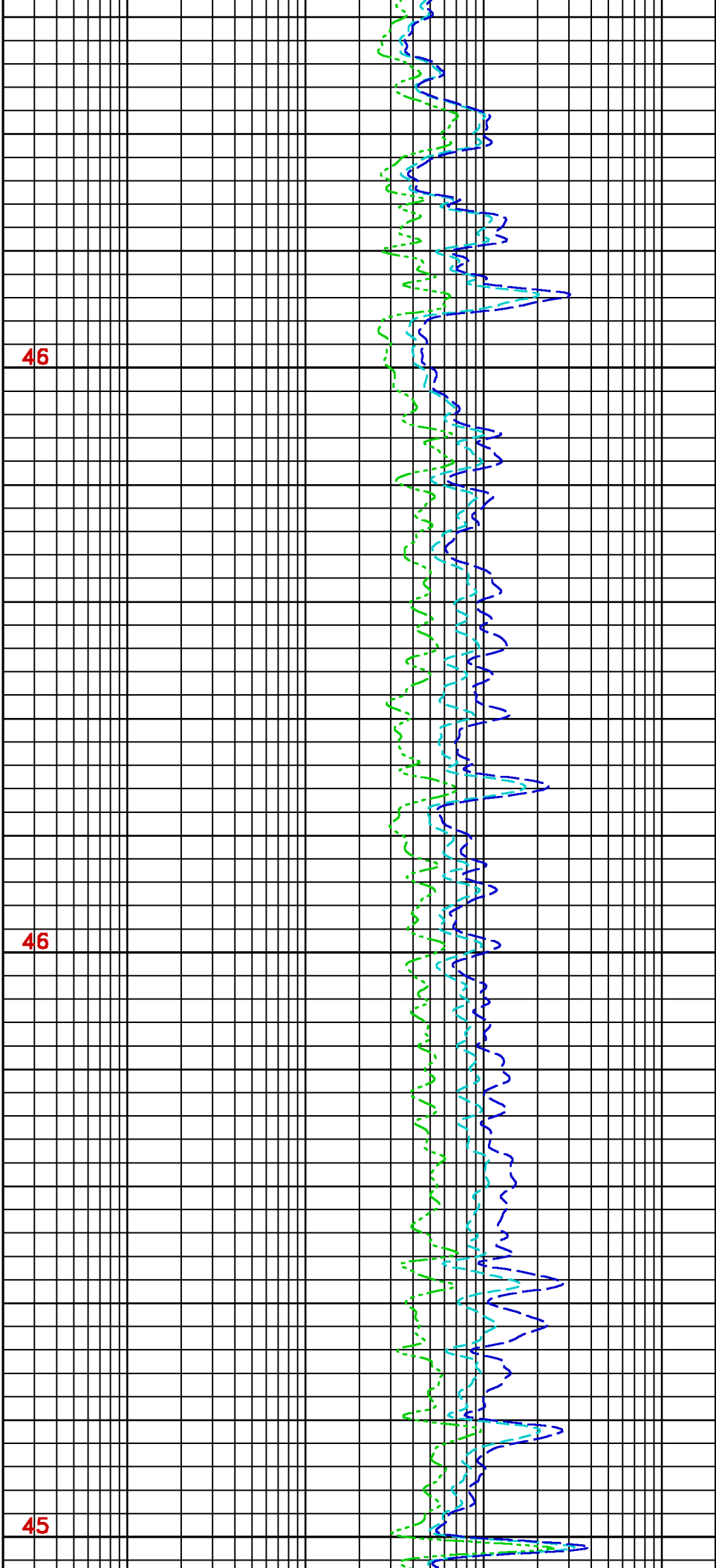


1750

1775

1800

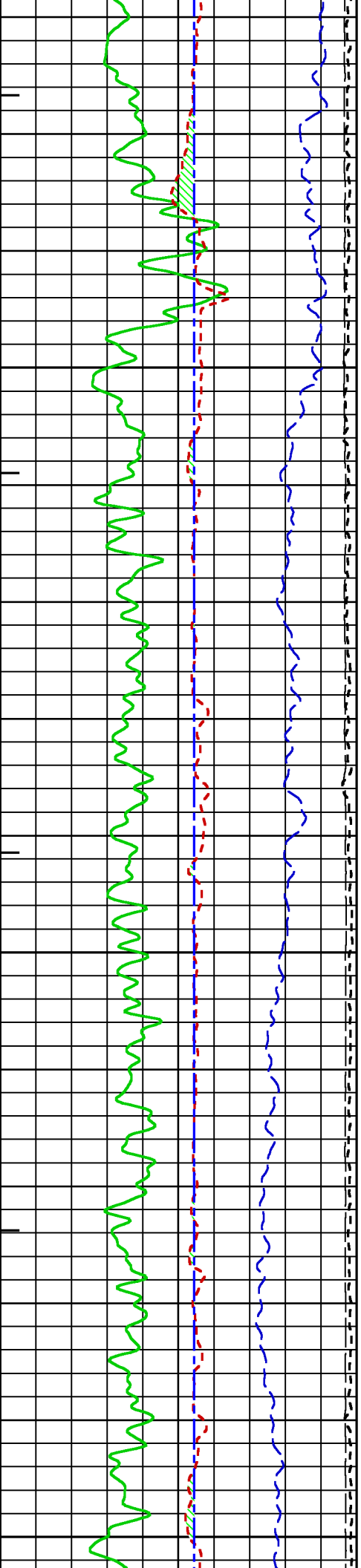


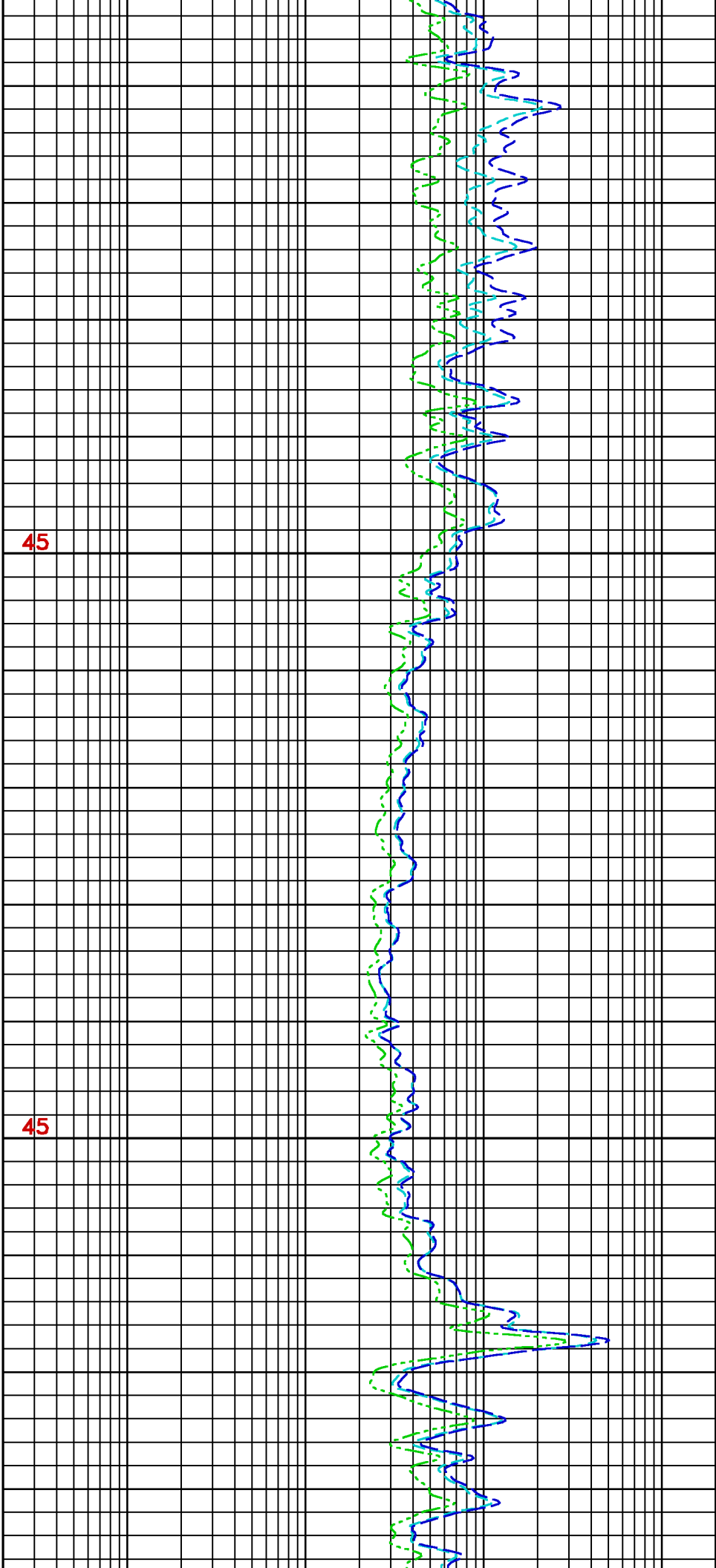


1825

1850

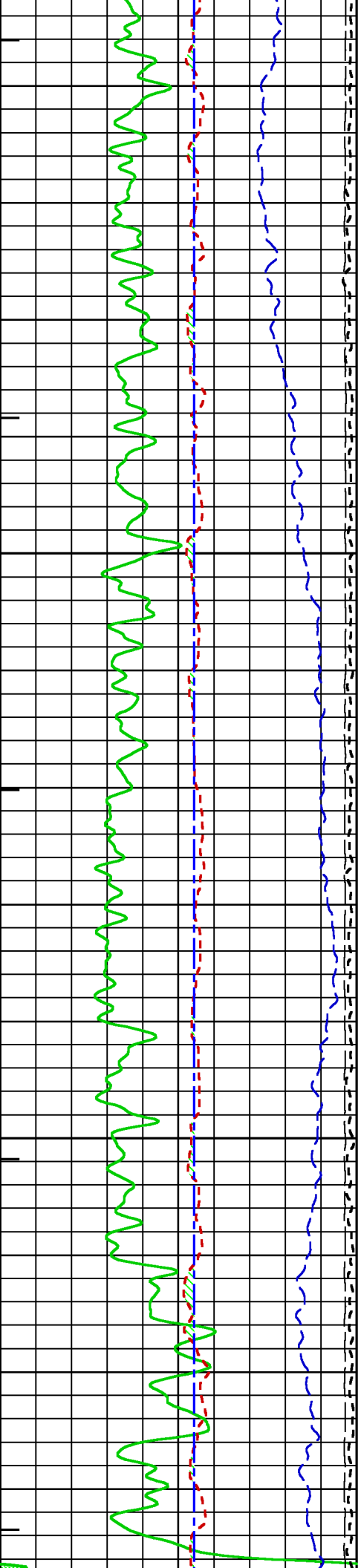
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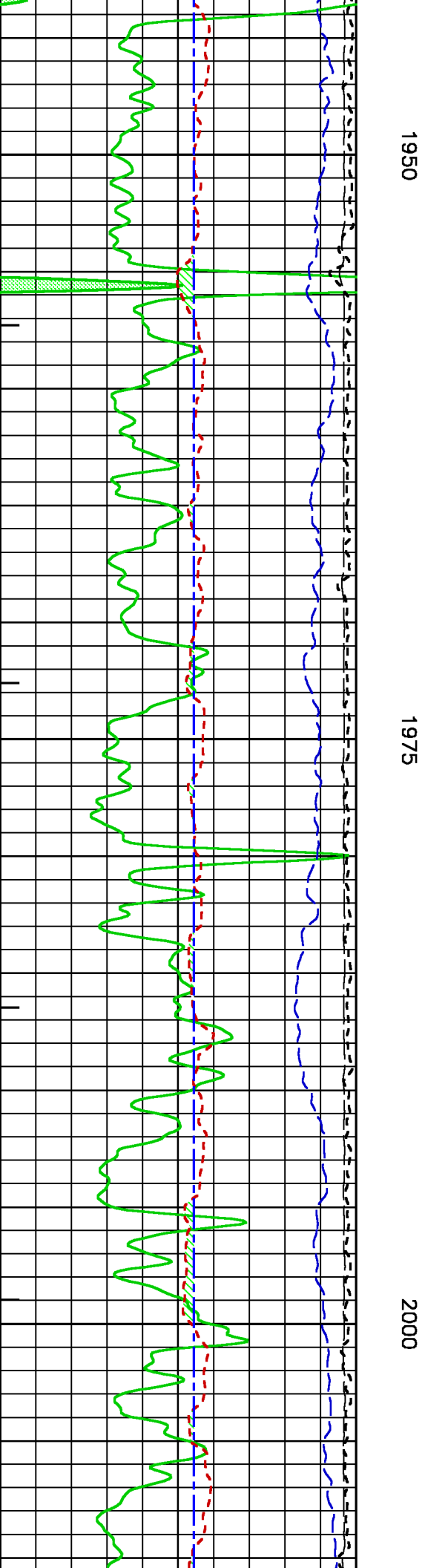
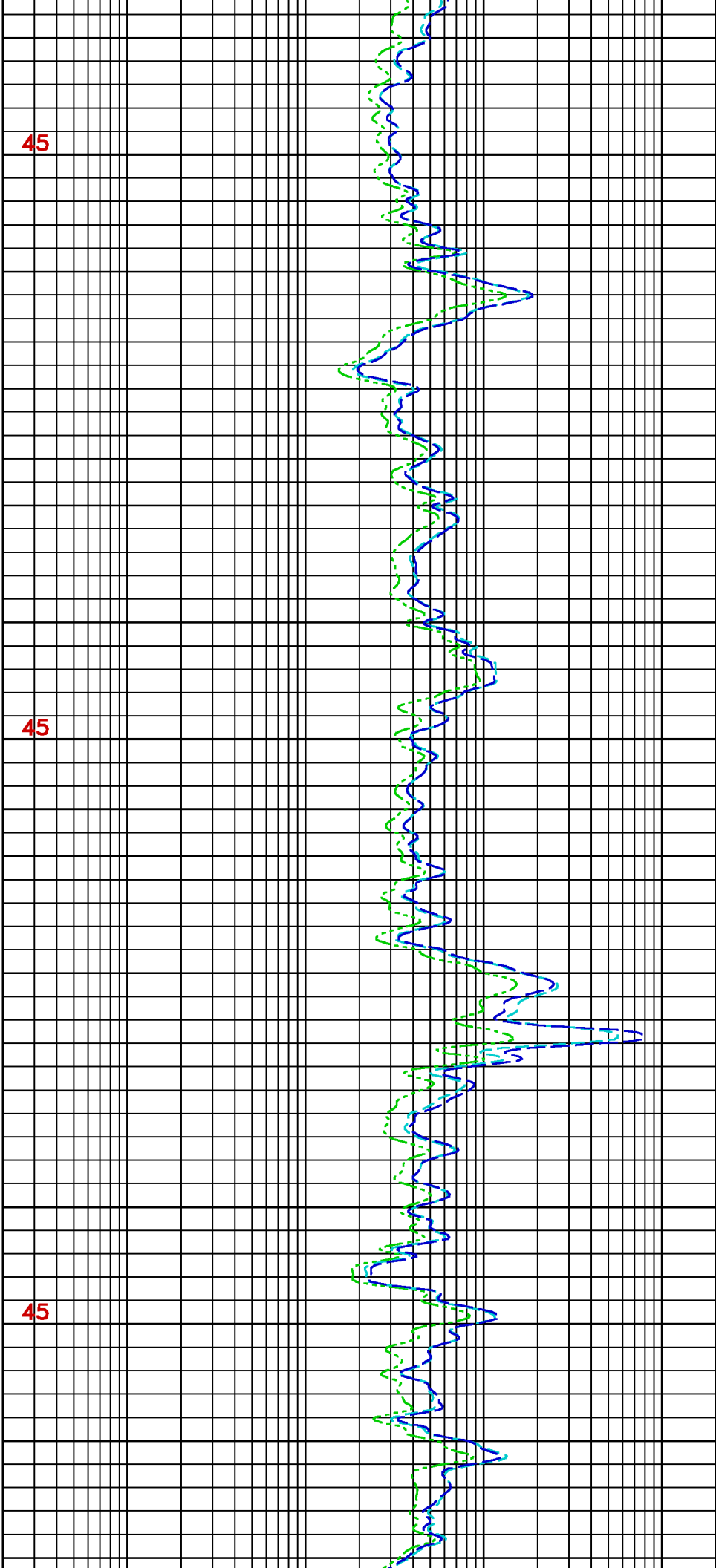


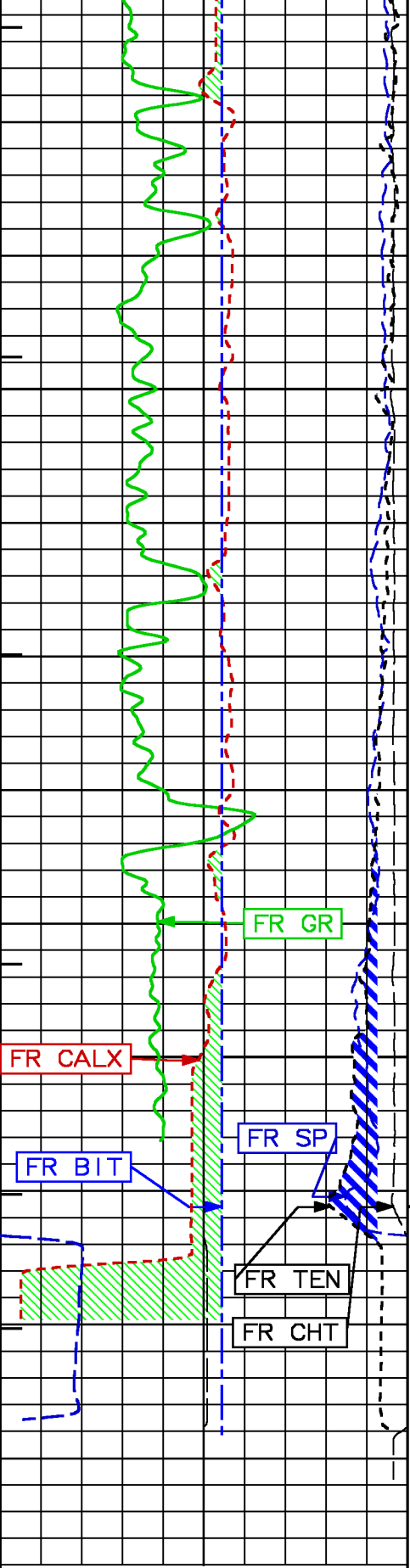


1900

1925



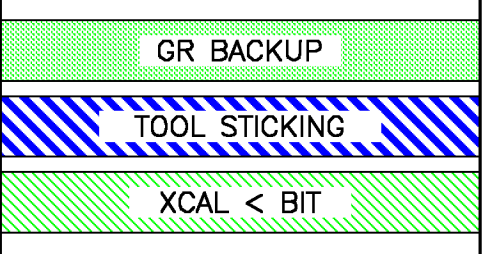




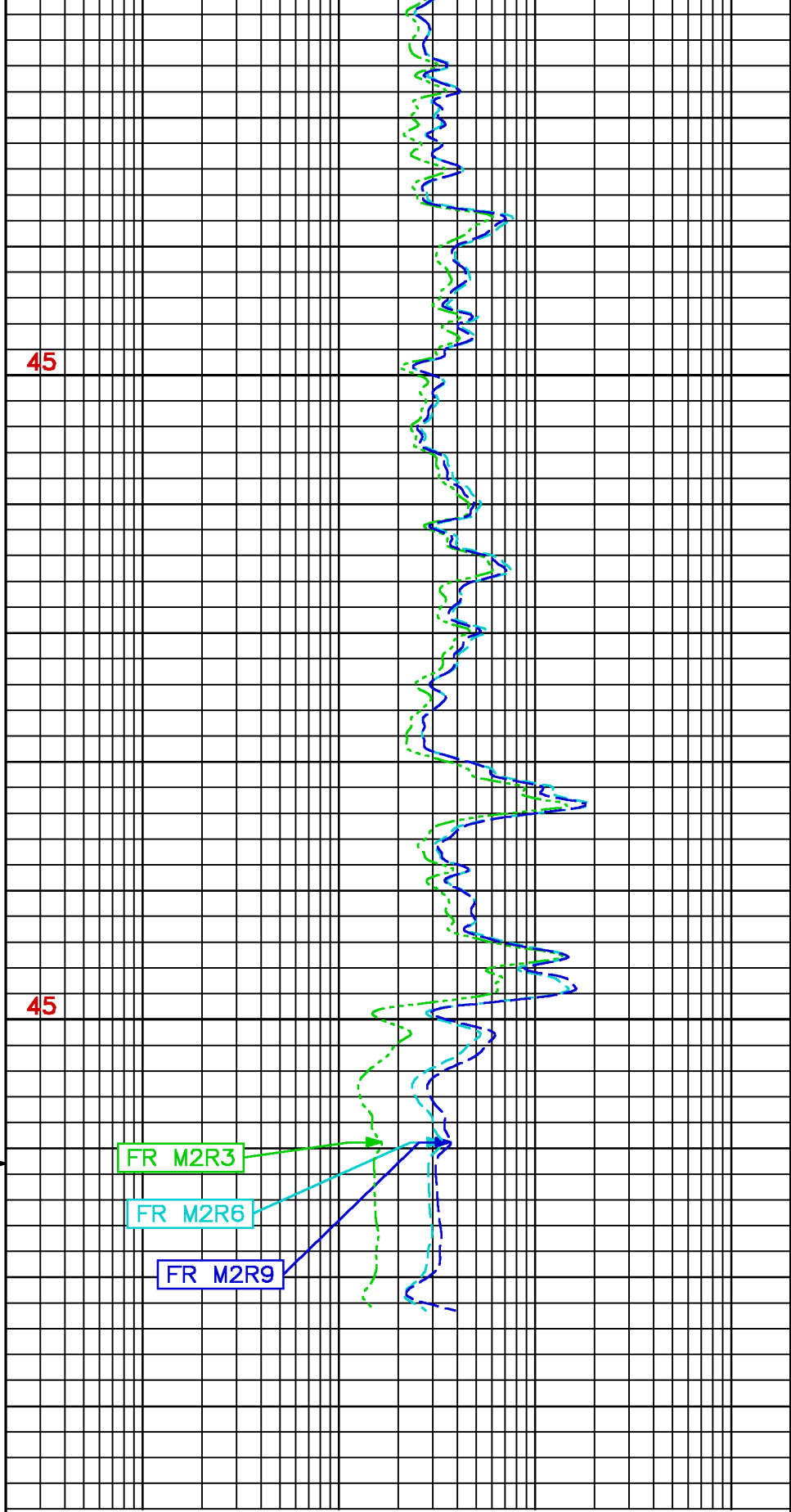
2025

2050

TD



METERS



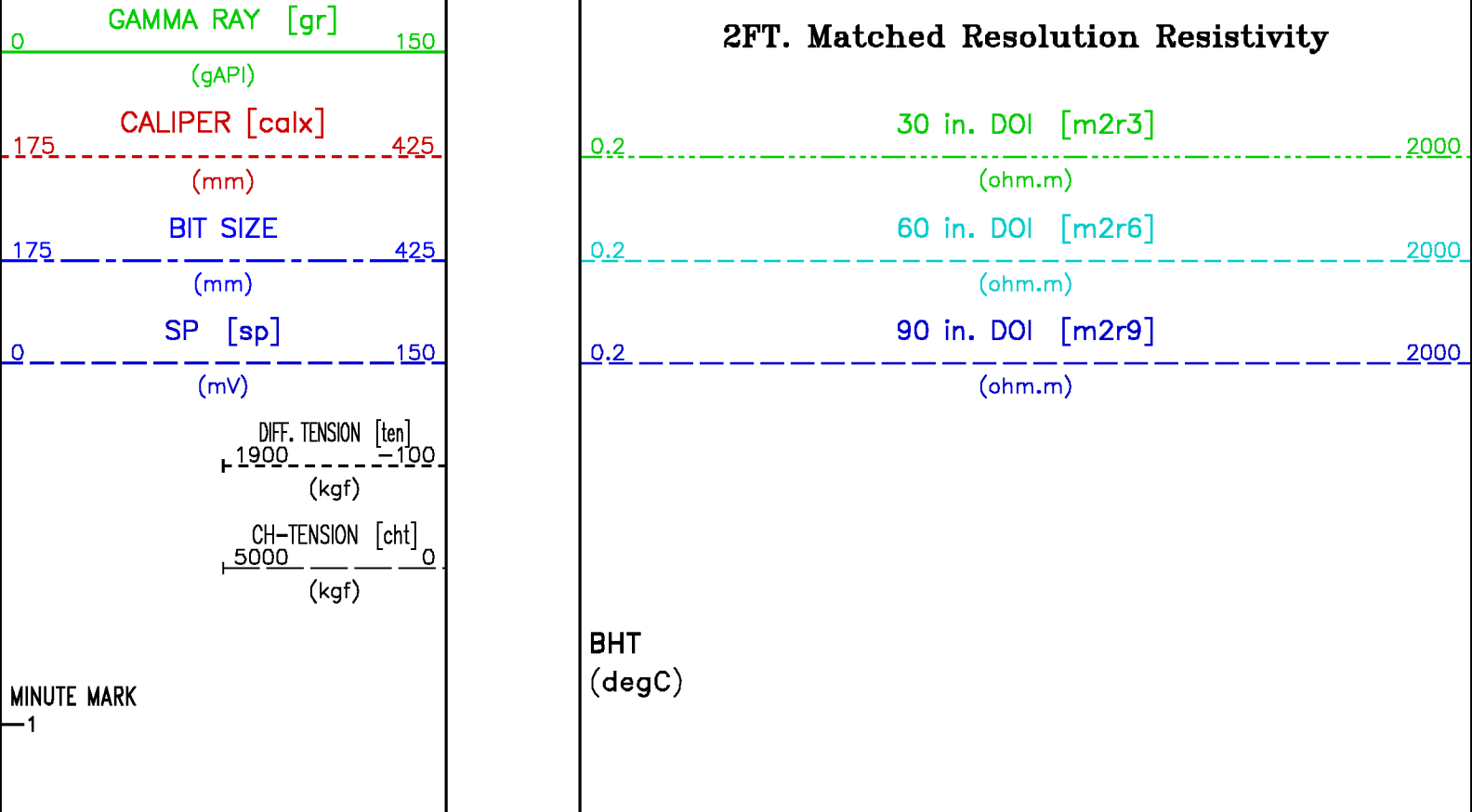
45

45

FR M2R3

FR M2R6

FR M2R9



REPEAT LOG

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

Sun Aug 16 08:58:51 2009

Pcrplt /main/62

Cplot

Pdf_Cpp /main/16

Fileview 5.42

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)		''	''
SP-SPDH	FILTER ()	medium (1)		''	''

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
X-Y COMBINED CALIPER PROCESSING-FOCUS	Caliper - FOCUS	Average		TOP	BOTTOM
BIT SIZE	BIT SIZE	311.000	mm	''	''
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		''	''
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	311.000	mm	''	''
BH MUD RESISTIVITY SOURCE	RMUD SOURCE (HDIL)	TOOL MEASURED		''	''
MUD SAMPLE RESISTIVITY	MUD SAMPLE TEMP	25.0	degC	''	''
	MUD SAMPLE RES	1.000	ohm.m	''	''

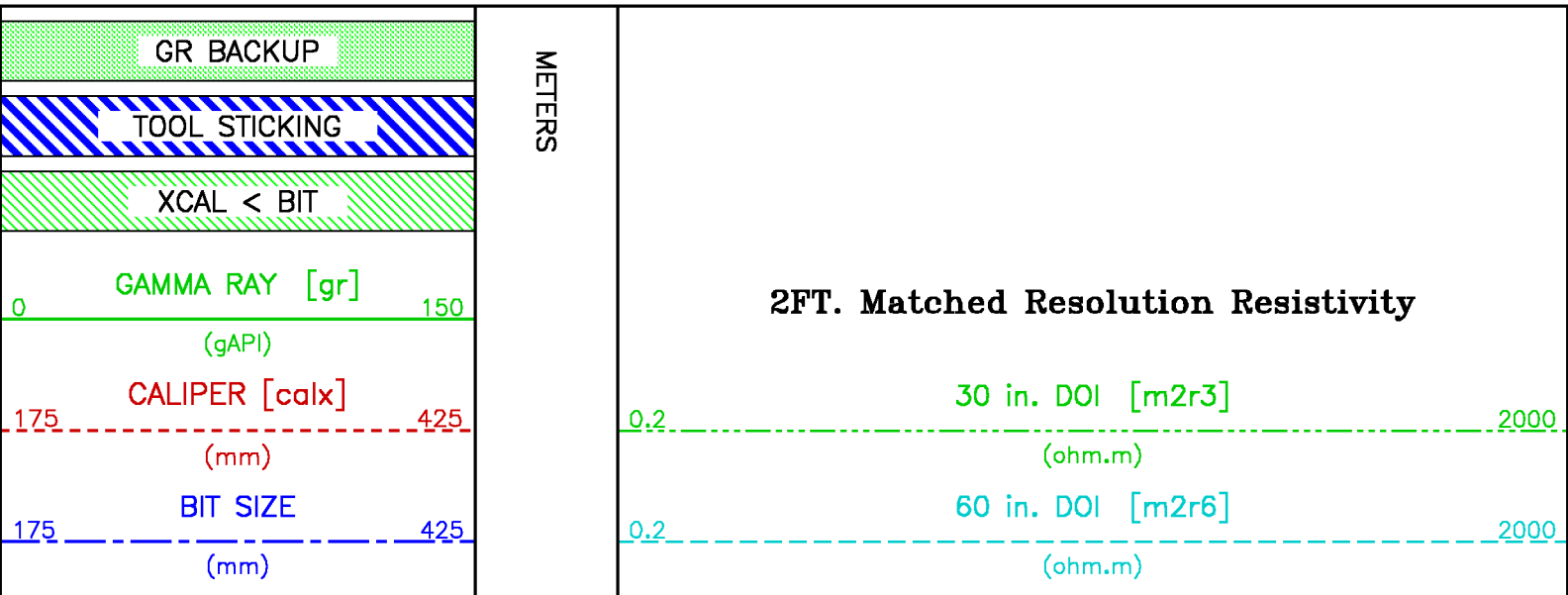
BOREHOLE TEMP from GRADIENT	Known BH REF TEMP	25.0	degC	
	at BH REF DEPTH	0.0	m	
	with TEMP GRADIENT	2.187	0.01 degC/m	

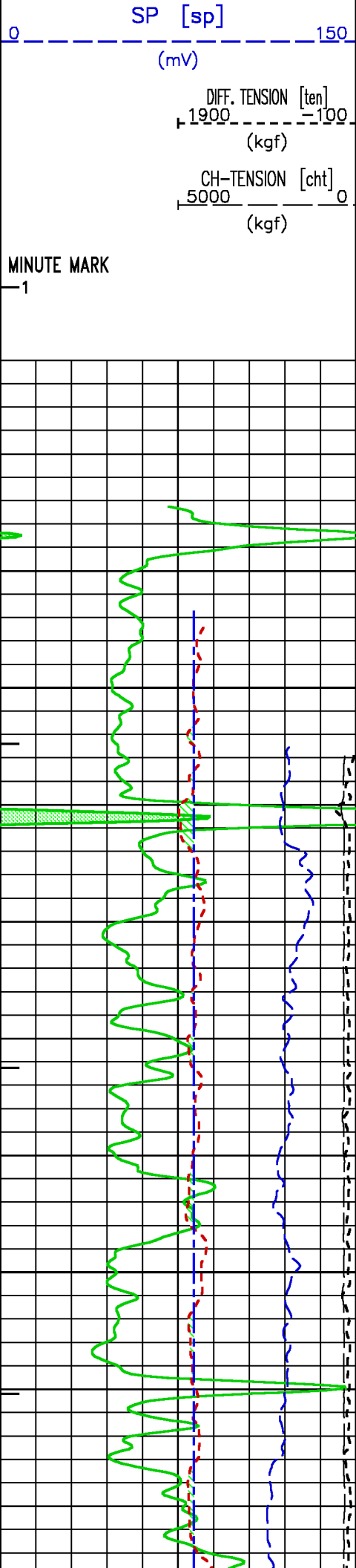
ACCELERATION PROCESSING				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACCEL CORR SWITCH	ACCEL DEPTH CORR	CORRECTION ON		TOP BOTTOM
HDIL PROCESSING				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
HDIL TEMPERATURE CORRECTION	TEMP CORRECTION	ON		TOP BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		" "
	ABC to CALCULATE	STANDOFF		" "
	STANDOFF	38.10	mm	" "
	TOOL POSITION	CENTRALIZED		" "
	Rmud MULTIPLIER	1.000		" "

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:GR	GR	Aug 16 03:25:51 2009	GAMMA RAY	
F1:M2R3	M2R3	Aug 16 03:25:51 2009	VERT RESOLUTION MATCHED (2 FT) RES - DOI 30 INCH	
F1:M2R6	M2R6	Aug 16 03:25:51 2009	VERT RESOLUTION MATCHED (2 FT) RES - DOI 60 INCH	
F1:M2R9	M2R9	Aug 16 03:25:51 2009	VERT RESOLUTION MATCHED (2 FT) RES - DOI 90 INCH	
F1:MMRK	MMRK	Aug 16 03:25:51 2009	MINUTE MARK	
F1:SP	SP	Aug 16 03:25:51 2009	SPONTANEOUS POTENTIAL	
F1:TEN	TEN	Aug 16 03:25:51 2009	DIFFERENTIAL TENSION	

CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	GR	10.67	M2R9	0.84		
CALX	5.49	M2R3	0.84	SP	0.38		
CHT	0.00	M2R6	0.84	TEN	0.00		

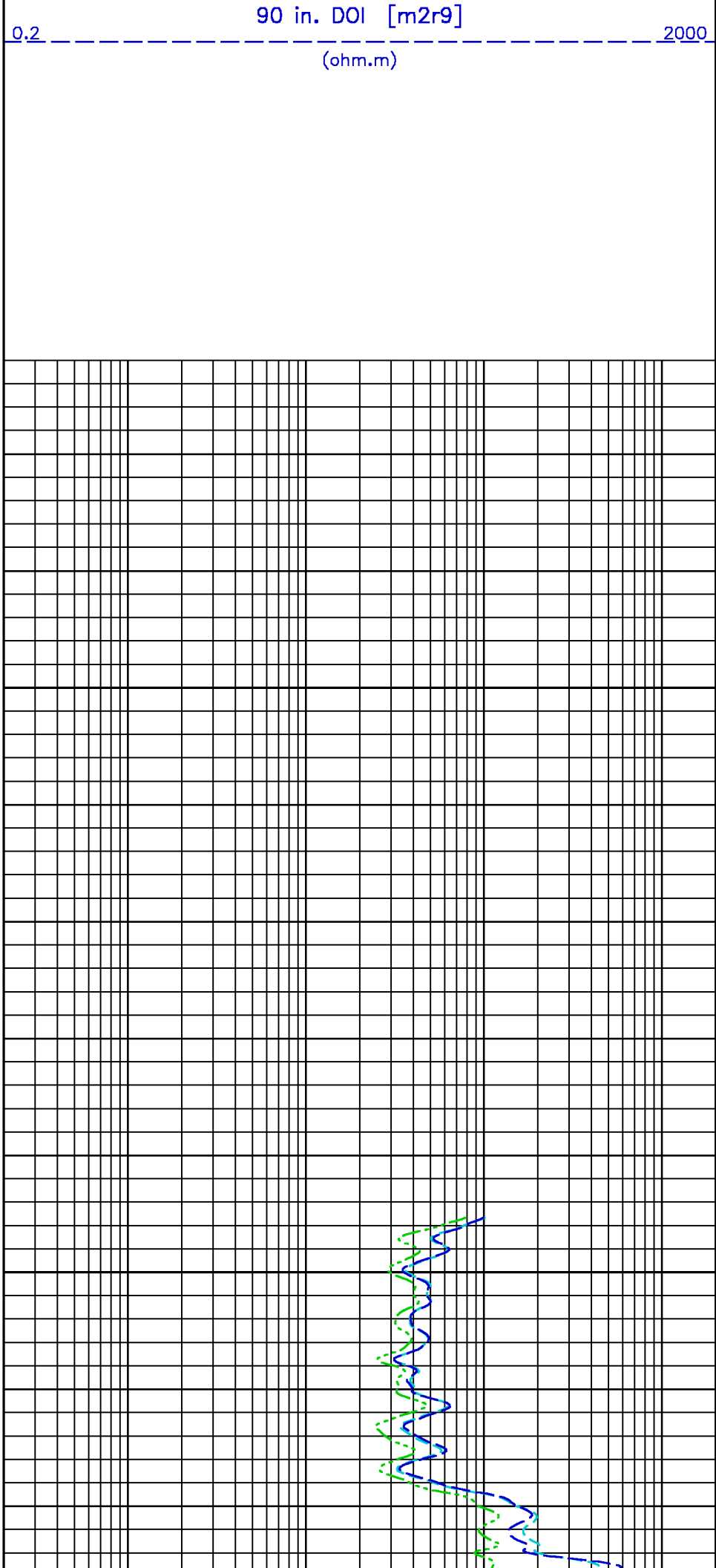
Presentation	: cpu1:/dat1a/pass/Vulcan/fhdlL_rpt.pdf [1:240 Scale]
Plot Interval	: 1936.55 - 2068.75 Meters
Data File 1	: F1 : cpu1:/dat1a/pass/Vulcan/r111_repeat.xtf
Created On	: Aug 16 08:46:45 2009
Company	: Vulcan Minerals Ltd
Well	: Robinson #1
Field	: Robinson
File Interval	: 1936.55 - 2068.75 Meters
Oct	: k970a

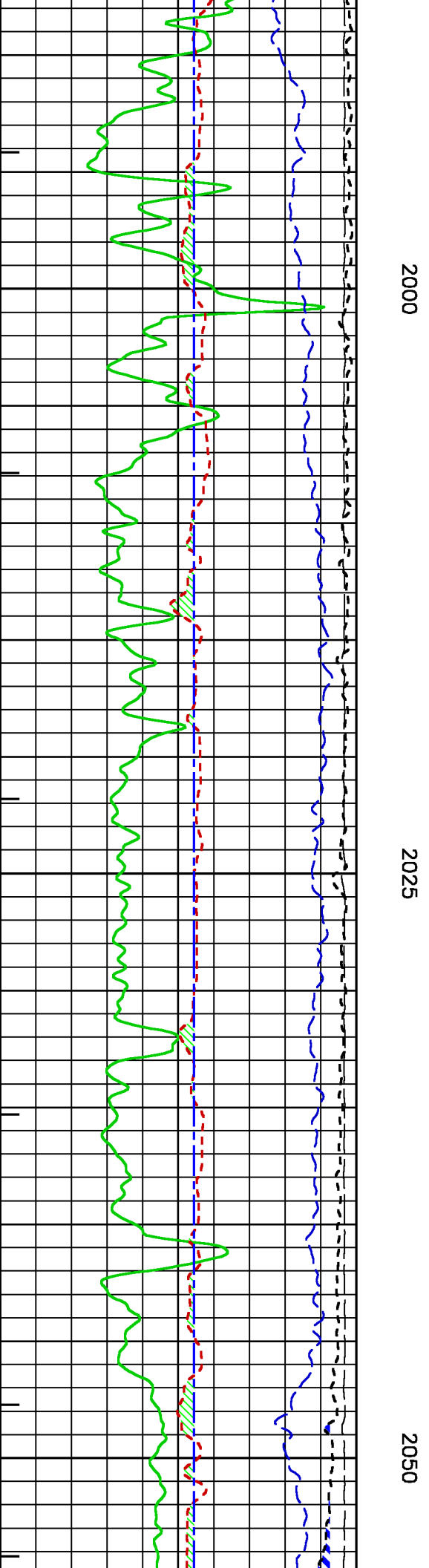
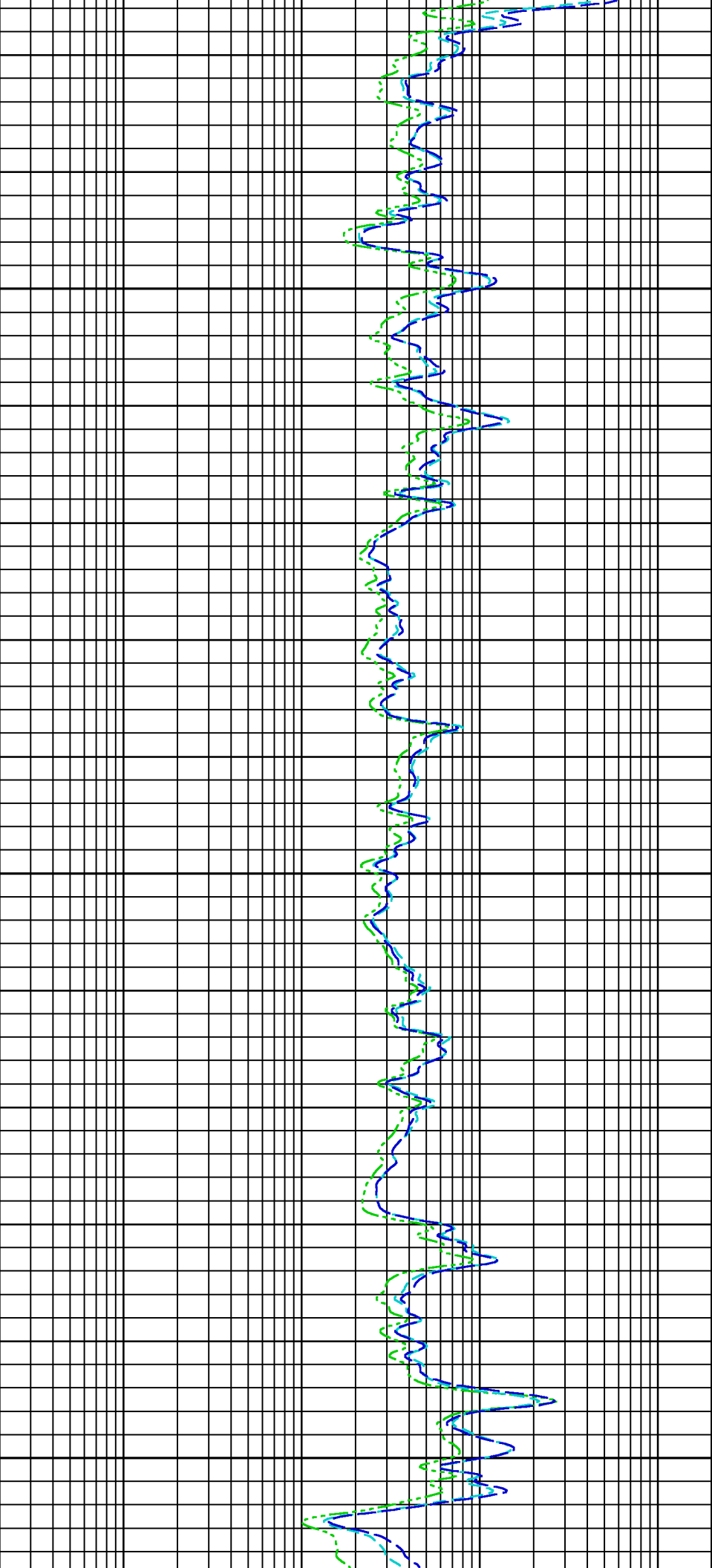


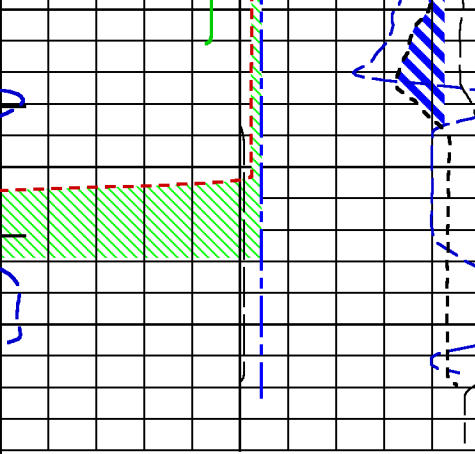


1950

1975







METERS

GR BACKUP

TOOL STICKING

XCAL < BIT

GAMMA RAY [gr]

(gAPI)

CALIPER [calx]

(mm)

BIT SIZE

(mm)

SP [sp]

(mV)

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

CH-TENSION [cht]
5000 ——— 0
(kgf)

MINUTE MARK

1

2FT. Matched Resolution Resistivity

30 in. DOI [m2r3]

(ohm.m)

60 in. DOI [m2r6]

(ohm.m)

90 in. DOI [m2r9]

(ohm.m)

CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/pass/Vulcan/r1t1_cals.tp1

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	Calibrator ON
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	Calibrator ON	Diff (gAPI)
683.45	1339.29	185	0.248	169.83	332.80	162.97

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

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

	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

HDIL PRIMARY CALIBRATION SUMMARY

TOOL #: 1530XA 10150749 DATE/TIME PERFORMED: Mon Jul 6 14:33:30 2009

UNIT #: 3880TB 006558 GRCOND ID & DATE: Nisku 52208

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	0.0080 -0.2000 0.2000	-0.0019 -0.1000 0.1000	-0.0010 -0.1000 0.1000	0.0017 -0.1000 0.1000	-0.0010 -0.1000 0.1000	0.0003 -0.1000 0.1000	0.0006 -0.1000 0.1000	-0.0009 -0.1000 0.1000
Coil 0 Q	-0.0064 -0.5000 0.5000	-0.0026 -0.2000 0.2000	0.0018 -0.1000 0.1000	-0.0007 -0.1000 0.1000	-0.0002 -0.1000 0.1000	0.0013 -0.1000 0.1000	-0.0003 -0.1000 0.1000	-0.0003 -0.1000 0.1000
Coil 1 R	0.0119 -0.2000 0.2000	-0.0002 -0.1000 0.1000	-0.0020 -0.1000 0.1000	0.0012 -0.1000 0.1000	-0.0014 -0.1000 0.1000	0.0004 -0.1000 0.1000	-0.0003 -0.1000 0.1000	0.0010 -0.1000 0.1000
Coil 1 Q	-0.0119 -0.5000 0.5000	-0.0032 -0.2000 0.2000	0.0024 -0.1000 0.1000	0.0001 -0.1000 0.1000	-0.0016 -0.1000 0.1000	0.0005 -0.1000 0.1000	-0.0003 -0.1000 0.1000	0.0009 -0.1000 0.1000
Coil 2 R	-0.0006 -0.2000 0.2000	-0.0040 -0.1000 0.1000	0.0006 -0.1000 0.1000	-0.0005 -0.1000 0.1000	0.0009 -0.1000 0.1000	-0.0002 -0.1000 0.1000	0.0013 -0.1000 0.1000	-0.0016 -0.1000 0.1000
Coil 2 Q	0.0080 -0.5000 0.5000	0.0007 -0.2000 0.2000	0.0004 -0.1000 0.1000	-0.0002 -0.1000 0.1000	0.0009 -0.1000 0.1000	0.0011 -0.1000 0.1000	0.0008 -0.1000 0.1000	-0.0003 -0.1000 0.1000
Coil 3 R	0.0245 -0.3000 0.3000	-0.0051 -0.1000 0.1000	0.0016 -0.1000 0.1000	0.0014 -0.1000 0.1000	-0.0036 -0.1000 0.1000	0.0013 -0.1000 0.1000	0.0026 -0.1000 0.1000	0.0016 -0.1000 0.1000
Coil 3 Q	0.0078 -0.5000 0.5000	-0.0086 -0.2000 0.2000	0.0043 -0.1000 0.1000	-0.0007 -0.1000 0.1000	0.0036 -0.1000 0.1000	0.0021 -0.1000 0.1000	-0.0015 -0.1000 0.1000	0.0016 -0.1000 0.1000
Coil 4 R	0.0005 -0.5000 0.5000	-0.0033 -0.2000 0.2000	0.0065 -0.2000 0.2000	-0.0044 -0.2000 0.2000	0.0002 -0.2000 0.2000	0.0021 -0.2000 0.2000	-0.0001 -0.2000 0.2000	-0.0052 -0.2000 0.2000
Coil 4 Q	0.0127 -1.0000 1.0000	-0.0005 -0.4000 0.4000	0.0021 -0.2000 0.2000	0.0031 -0.2000 0.2000	-0.0043 -0.2000 0.2000	0.0050 -0.2000 0.2000	0.0008 -0.2000 0.2000	0.0015 -0.2000 0.2000
Coil 5 R	0.0701 -1.2000 1.2000	-0.0135 -0.4000 0.4000	-0.0102 -0.4000 0.4000	0.0188 -0.4000 0.4000	-0.0047 -0.4000 0.4000	0.0044 -0.4000 0.4000	-0.0050 -0.4000 0.4000	-0.0032 -0.4000 0.4000
Coil 5 Q	0.0713 -1.5000 1.5000	-0.0277 -0.8000 0.8000	0.0283 -0.4000 0.4000	-0.0012 -0.4000 0.4000	0.0042 -0.4000 0.4000	0.0149 -0.4000 0.4000	-0.0071 -0.4000 0.4000	0.0029 -0.4000 0.4000

ELEC. GAINS 10 KHz 30 KHz 50 KHz 70 KHz 90 KHz 110 KHz 130 KHz 150 KHz

Coil 0 M	162.95 136.00 186.00	161.67 134.00 184.00	159.06 131.00 181.00	155.13 126.00 176.00	149.83 122.00 170.00	143.20 118.00 161.00	135.19 112.00 150.00	125.89 105.00 139.00
Coil 0 P	7.706 6.000 9.000	25.705 21.000 30.000	43.238 35.000 50.000	60.757 49.000 71.000	78.337 63.000 91.000	95.989 77.000 109.000	113.712 92.000 130.000	131.438 106.000 151.000
Coil 1 M	281.73 238.00 328.00	279.11 235.00 325.00	273.92 230.00 320.00	266.17 225.00 312.00	255.95 218.00 302.00	243.46 208.00 288.00	228.84 196.00 266.00	212.17 184.00 244.00
Coil 1 P	7.721 6.000 9.000	25.466 21.000 30.000	42.763 35.000 51.000	60.003 49.000 71.000	77.223 63.000 92.000	94.453 78.000 112.000	111.664 93.000 130.000	128.809 107.000 151.000
Coil 2 M	575.89 479.00 659.00	570.43 474.00 654.00	559.56 463.00 643.00	543.53 450.00 622.00	522.43 432.00 602.00	496.74 412.00 572.00	466.79 390.00 540.00	432.59 359.00 499.00
Coil 2 P	7.913 6.000 9.000	26.040 21.000 31.000	43.717 35.000 51.000	61.336 49.000 71.000	78.915 63.000 92.000	96.480 76.000 115.000	114.039 92.000 135.000	131.519 105.000 155.000
Coil 3 M	933.32 772.00 1060.00	925.56 764.00 1050.00	909.76 752.00 1030.00	885.93 728.00 1010.00	854.21 700.00 970.00	814.93 665.00 925.00	768.02 628.00 868.00	714.04 589.00 799.00
Coil 3 P	7.825 6.000 10.000	25.768 21.000 30.000	43.294 35.000 51.000	60.795 49.000 72.000	78.323 63.000 93.000	95.904 76.000 114.000	113.531 90.000 135.000	131.111 104.000 156.000
Coil 4 M	1432.7 1210.0 1700.0	1419.8 1205.0 1690.0	1393.9 1180.0 1650.0	1355.5 1140.0 1590.0	1305.1 1120.0 1530.0	1243.8 1070.0 1450.0	1171.6 1000.0 1350.0	1091.3 942.0 1240.0
Coil 4 P	7.699 6.000 10.000	25.425 21.000 31.000	42.693 35.000 52.000	59.896 49.000 73.000	77.094 63.000 93.000	94.269 77.000 114.000	111.444 91.000 135.000	128.549 105.000 156.000
Coil 5 M	2942.9 2450.0 3450.0	2918.0 2420.0 3400.0	2867.1 2410.0 3320.0	2790.5 2350.0 3200.0	2688.4 2280.0 3080.0	2564.6 2150.0 2950.0	2417.5 2020.0 2750.0	2252.5 1870.0 2570.0
Coil 5 P	7.855 6.000 10.000	25.867 20.000 31.000	43.459 35.000 52.000	61.010 49.000 73.000	78.554 63.000 94.000	96.152 79.000 113.000	113.736 93.000 134.000	131.334 106.000 156.000

AM Factor 10 KHz 30 KHz 50 KHz 70 KHz 90 KHz 110 KHz 130 KHz 150 KHz

Coil 0 R	-1039 -3200 940	-625 -1400 -20	-490 -930 -150	-418 -760 -160	-371 -660 -130	-336 -600 -120	-309 -550 -110	-288 -520 -92
Coil 0 Q	-813 -15000 11000	-593 -5800 3800	-486 -3700 2100	-435 -2700 1400	-408 -2200 1000	-393 -1800 790	-385 -1600 620	-380 -1500 490
Coil 1 R	-177 -750 460	-160 -360 83	-144 -280 9	-132 -230 -10	-121 -200 -26	-112 -180 -35	-104 -160 -46	-98 -150 -49
Coil 1 Q	169 -3300 3300	4 -1100 960	-25 -630 530	-39 -470 360	-48 -380 260	-53 -320 190	-57 -290 150	-58 -260 120
Coil 2 R	2.9 -85.0 76.0	-30.6 -64.0 -0.4	-33.3 -57.0 -12.0	-31.5 -51.0 -16.0	-29.0 -46.0 -17.0	-27.1 -42.0 -16.0	-25.4 -39.0 -15.0	-23.7 -37.0 -13.0
Coil 2 Q	306.7 -1500.0 1900.0	103.1 -500.0 610.0	58.8 -290.0 350.0	40.2 -220.0 260.0	30.0 -160.0 190.0	24.8 -140.0 160.0	21.5 -110.0 130.0	20.3 -99.0 120.0
Coil 3 R	-4.7 -23.0 21.0	-9.6 -22.0 1.6	-10.1 -21.0 -1.3	-9.7 -20.0 -1.8	-9.2 -19.0 -2.0	-8.7 -19.0 -1.3	-7.9 -19.0 -0.8	-8.0 -19.0 -0.0
Coil 3 Q	125.8 -540.0 530.0	44.2 -180.0 180.0	28.9 -100.0 110.0	23.7 -71.0 81.0	21.8 -51.0 66.0	21.7 -37.0 58.0	22.4 -28.0 53.0	23.3 -21.0 51.0
Coil 4 R	-0.49 -18.00 13.00	-3.82 -12.00 2.70	-3.70 -11.00 1.50	-3.94 -9.80 0.52	-3.50 -9.90 0.96	-3.48 -10.00 1.50	-3.28 -11.00 2.30	-3.52 -11.00 2.60
Coil 4 Q	42.35 -250.00 280.00	17.64 -79.00 98.00	13.83 -43.00 64.00	13.90 -27.00 51.00	15.24 -18.00 46.00	17.03 -11.00 42.00	19.31 -5.50 42.00	22.04 -1.00 42.00
Coil 5 R	2.41 -56.00 51.00	-1.79 -8.40 3.60	-2.05 -6.90 1.10	-2.44 -6.90 1.20	-2.19 -9.30 2.90	-2.23 -14.00 6.30	-2.14 -19.00 9.60	-2.44 -24.00 13.00
Coil 5 Q	-0.68 -88.00 69.00	1.78 -26.00 27.00	4.94 -14.00 22.00	7.39 -7.00 22.00	10.12 -2.50 24.00	13.05 1.10 26.00	15.80 4.10 29.00	18.58 7.10 32.00

MM Factor 10 KHz 30 KHz 50 KHz 70 KHz 90 KHz 110 KHz 130 KHz 150 KHz

Coil 0 M	0.963 0.850 1.100	0.973 0.860 1.100	0.979 0.870 1.100	0.981 0.880 1.100	0.983 0.880 1.100	0.983 0.880 1.100	0.983 0.880 1.100	0.983 0.880 1.100
Coil 0 P	-0.385 -1.500 1.500	-0.618 -1.500 1.500	-0.486 -1.500 1.500	-0.348 -1.500 1.500	-0.242 -1.500 1.500	-0.157 -1.500 1.500	-0.094 -1.500 1.500	-0.054 -1.500 1.500
Coil 1 M	0.959 0.850 1.100	0.969 0.860 1.100	0.975 0.870 1.100	0.978 0.880 1.100	0.978 0.880 1.100	0.979 0.880 1.100	0.979 0.880 1.100	0.978 0.880 1.100
Coil 1 P	-0.369 -1.500 1.500	-0.628 -1.500 1.500	-0.497 -1.500 1.500	-0.362 -1.500 1.500	-0.253 -1.500 1.500	-0.173 -1.500 1.500	-0.121 -1.500 1.500	-0.075 -1.500 1.500
Coil 2 M	0.982 0.890 1.100	0.983 0.890 1.100	0.984 0.890 1.100	0.984 0.890 1.100	0.985 0.890 1.100	0.985 0.890 1.100	0.985 0.890 1.100	0.984 0.890 1.100
Coil 2 P	0.012 -1.500 1.500	-0.061 -1.500 1.500	-0.055 -1.500 1.500	-0.045 -1.500 1.500	-0.045 -1.500 1.500	-0.031 -1.500 1.500	-0.002 -1.500 1.500	0.008 -1.500 1.500
Coil 3 M	0.987 0.900 1.100	0.988 0.900 1.100	0.988 0.900 1.100	0.989 0.900 1.100	0.989 0.900 1.100	0.990 0.900 1.100	0.989 0.900 1.100	0.989 0.900 1.100
Coil 3 P	0.042 -1.500 1.500	-0.030 -1.500 1.500	-0.038 -1.500 1.500	-0.030 -1.500 1.500	-0.014 -1.500 1.500	0.020 -1.500 1.500	0.074 -1.500 1.500	0.060 -1.500 1.500
Coil 4 M	0.989 0.900 1.100	0.990 0.900 1.100	0.991 0.900 1.100	0.991 0.900 1.100	0.993 0.900 1.100	0.992 0.900 1.100	0.993 0.900 1.100	0.993 0.900 1.100
Coil 4 P	-0.000 -1.500 1.500	-0.076 -1.500 1.500	-0.095 -1.500 1.500	-0.114 -1.500 1.500	-0.069 -1.500 1.500	-0.038 -1.500 1.500	-0.010 -1.500 1.500	-0.001 -1.500 1.500
Coil 5 M	0.985 0.900 1.100	0.985 0.900 1.100	0.986 0.900 1.100	0.987 0.900 1.100	0.988 0.900 1.100	0.988 0.900 1.100	0.989 0.900 1.100	0.990 0.900 1.100
Coil 5 P	0.004 -1.500 1.500	-0.070 -1.500 1.500	-0.076 -1.500 1.500	-0.084 -1.500 1.500	-0.064 -1.500 1.500	0.037 -1.500 1.500	0.051 -1.500 1.500	0.080 -1.500 1.500

PARMS TCID 0 TCID 1 Cal Temp T Factor
(degC)
IDs 2.638 0.839 21.0 1.00

HDIL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1530XA 10150749 DATE/TIME PERFORMED: Sun Aug 16 03:25:03 2009 DAYS SINCE CAL: 40

UNIT #: 3880TB 006558

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	0.007 -0.200 0.200	-0.002 -0.100 0.100	-0.000 -0.100 0.100	0.001 -0.100 0.100	-0.000 -0.100 0.100	0.001 -0.100 0.100	0.000 -0.100 0.100	-0.000 -0.100 0.100
Coil 0 Q	-0.006 -0.500 0.500	-0.003 -0.200 0.200	0.002 -0.100 0.100	-0.000 -0.100 0.100	-0.001 -0.100 0.100	0.000 -0.100 0.100	-0.001 -0.100 0.100	0.000 -0.100 0.100
Coil 1 R	0.012 -0.200 0.200	-0.001 -0.100 0.100	-0.002 -0.100 0.100	0.002 -0.100 0.100	-0.001 -0.100 0.100	0.001 -0.100 0.100	-0.001 -0.100 0.100	-0.000 -0.100 0.100
Coil 1 Q	-0.009 -0.500 0.500	-0.005 -0.200 0.200	0.001 -0.100 0.100	-0.000 -0.100 0.100	-0.001 -0.100 0.100	0.001 -0.100 0.100	-0.000 -0.100 0.100	0.002 -0.100 0.100
Coil 2 R	0.003 -0.200 0.200	-0.000 -0.100 0.100	0.002 -0.100 0.100	-0.002 -0.100 0.100	-0.000 -0.100 0.100	-0.002 -0.100 0.100	-0.000 -0.100 0.100	-0.000 -0.100 0.100
Coil 2 Q	0.007 -0.500 0.500	-0.003 -0.200 0.200	-0.002 -0.100 0.100	0.003 -0.100 0.100	-0.002 -0.100 0.100	-0.000 -0.100 0.100	0.000 -0.100 0.100	0.000 -0.100 0.100
Coil 3 R	0.030 -0.300 0.300	-0.003 -0.100 0.100	-0.004 -0.100 0.100	-0.000 -0.100 0.100	-0.000 -0.100 0.100	0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.004 -0.100 0.100
Coil 3 Q	0.018 -0.500 0.500	-0.013 -0.200 0.200	0.007 -0.100 0.100	-0.002 -0.100 0.100	-0.003 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.002 -0.100 0.100

Coil 4 R	0.006 -0.500 0.500	0.000 -0.200 0.200	0.000 -0.200 0.200	-0.002 -0.200 0.200	-0.001 -0.200 0.200	-0.001 -0.200 0.200	-0.002 -0.200 0.200	0.001 -0.200 0.200
Coil 4 Q	0.031 -1.000 1.000	-0.005 -0.400 0.400	0.005 -0.200 0.200	-0.000 -0.200 0.200	-0.002 -0.200 0.200	-0.006 -0.200 0.200	-0.000 -0.200 0.200	0.004 -0.200 0.200
Coil 5 R	0.069 -1.200 1.200	-0.002 -0.400 0.400	-0.016 -0.400 0.400	0.013 -0.400 0.400	-0.002 -0.400 0.400	0.000 -0.400 0.400	-0.009 -0.400 0.400	0.000 -0.400 0.400
Coil 5 Q	0.053 -1.500 1.500	-0.036 -0.800 0.800	0.019 -0.400 0.400	-0.011 -0.400 0.400	-0.006 -0.400 0.400	0.003 -0.400 0.400	-0.008 -0.400 0.400	-0.011 -0.400 0.400

ELEC. GAINS	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 M	162.30 136.00 186.00	161.03 134.00 184.00	158.43 131.00 181.00	154.53 126.00 176.00	149.24 122.00 170.00	142.62 118.00 161.00	134.67 112.00 150.00	125.43 105.00 139.00
Coil 0 P	7.355 -1.000 12.000	25.633 19.000 30.000	43.248 35.000 50.000	60.822 49.000 71.000	78.437 63.000 91.000	96.144 77.000 110.000	113.887 92.000 130.000	131.673 105.000 151.000
Coil 1 M	281.27 237.00 327.00	278.68 235.00 325.00	273.44 230.00 320.00	265.67 225.00 312.00	255.48 218.00 302.00	242.97 208.00 288.00	228.36 196.00 266.00	211.77 184.00 244.00
Coil 1 P	7.399 -1.000 12.000	25.409 19.000 30.000	42.789 35.000 51.000	60.071 49.000 71.000	77.336 63.000 92.000	94.611 77.000 112.000	111.849 92.000 132.000	129.022 105.000 153.000
Coil 2 M	574.22 479.00 659.00	568.82 474.00 654.00	557.97 463.00 643.00	541.91 450.00 622.00	520.93 432.00 602.00	495.24 412.00 572.00	465.43 390.00 540.00	431.54 359.00 499.00
Coil 2 P	7.537 -1.000 12.000	25.963 19.000 31.000	43.722 35.000 51.000	61.378 49.000 71.000	78.999 63.000 92.000	96.628 77.000 114.000	114.213 92.000 135.000	131.749 105.000 156.000
Coil 3 M	931.23 772.00 1080.00	923.53 764.00 1050.00	907.78 752.00 1030.00	884.04 728.00 1010.00	852.35 700.00 970.00	813.07 665.00 925.00	766.44 628.00 868.00	712.36 589.00 799.00
Coil 3 P	7.471 -2.000 13.000	25.694 19.000 31.000	43.299 35.000 52.000	60.844 49.000 72.000	78.414 63.000 93.000	96.029 77.000 114.000	113.689 92.000 135.000	131.345 105.000 156.000
Coil 4 M	1432.9 1210.0 1700.0	1420.0 1205.0 1690.0	1394.1 1180.0 1650.0	1355.5 1140.0 1590.0	1305.0 1120.0 1530.0	1243.4 1070.0 1450.0	1171.8 1000.0 1350.0	1090.9 942.0 1240.0
Coil 4 P	7.351 -2.000 13.000	25.352 19.000 31.000	42.706 35.000 52.000	59.959 49.000 73.000	77.187 63.000 93.000	94.409 78.000 114.000	111.625 92.000 135.000	128.772 105.000 156.000
Coil 5 M	2936.4 2450.0 3450.0	2911.6 2420.0 3400.0	2860.4 2410.0 3320.0	2784.2 2350.0 3200.0	2682.6 2280.0 3080.0	2558.8 2150.0 2950.0	2412.2 2020.0 2750.0	2246.2 1870.0 2570.0
Coil 5 P	7.513 -2.000 13.000	25.793 19.000 31.000	43.460 35.000 52.000	61.042 49.000 73.000	78.624 63.000 94.000	96.258 79.000 114.000	113.883 93.000 135.000	131.536 106.000 156.000

HDIL AFTER LOG VERIFICATION SUMMARY

TOOL #: 1530XA 10150749 DATE/TIME PERFORMED: Sun Aug 16 06:21:12 2009 DAYS SINCE CAL: 40

UNIT #: 3880TB 006558

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	0.007 -0.073 0.087	-0.003 -0.062 0.058	-0.001 -0.030 0.030	0.001 -0.029 0.031	-0.001 -0.030 0.030	0.000 -0.029 0.031	0.001 -0.030 0.030	-0.001 -0.030 0.030
Coil 0 Q	-0.006 -0.046 0.034	-0.003 -0.123 0.117	0.003 -0.028 0.032	-0.001 -0.030 0.030	-0.001 -0.031 0.029	0.001 -0.030 0.030	-0.001 -0.031 0.029	-0.000 -0.030 0.030
Coil 1 R	0.012 -0.068 0.092	-0.001 -0.051 0.049	-0.002 -0.032 0.028	0.001 -0.028 0.032	-0.001 -0.031 0.029	-0.001 -0.029 0.031	0.000 -0.031 0.029	0.001 -0.030 0.030
Coil 1 Q	-0.012 -0.409 0.391	-0.004 -0.105 0.095	0.001 -0.029 0.031	0.001 -0.030 0.030	0.001 -0.031 0.029	0.001 -0.029 0.031	0.001 -0.030 0.030	0.000 -0.028 0.032
Coil 2 R	0.001 -0.067 0.073	-0.001 -0.030 0.030	-0.001 -0.028 0.032	-0.000 -0.032 0.028	0.000 -0.030 0.030	0.001 -0.032 0.028	0.000 -0.030 0.030	-0.003 -0.030 0.030

Coil 2 Q	0.005 -0.343 0.357	-0.001 -0.103 0.097	0.002 -0.032 0.028	-0.001 -0.027 0.033	0.000 -0.032 0.028	0.001 -0.030 0.030	-0.001 -0.030 0.030	0.001 -0.030 0.030
Coil 3 R	0.030 -0.010 0.070	-0.006 -0.043 0.037	-0.003 -0.044 0.036	0.003 -0.040 0.040	0.000 -0.040 0.040	-0.000 -0.039 0.041	0.004 -0.042 0.038	0.001 -0.044 0.036
Coil 3 Q	0.012 -0.182 0.218	-0.011 -0.093 0.067	0.001 -0.033 0.047	-0.004 -0.042 0.038	0.002 -0.043 0.037	0.002 -0.041 0.039	-0.001 -0.042 0.038	-0.003 -0.042 0.038
Coil 4 R	0.011 -0.054 0.066	-0.002 -0.060 0.060	0.006 -0.060 0.060	0.004 -0.062 0.058	-0.000 -0.061 0.059	0.003 -0.061 0.059	-0.002 -0.062 0.058	0.002 -0.059 0.061
Coil 4 Q	0.023 -0.269 0.331	-0.000 -0.105 0.095	0.006 -0.055 0.065	-0.003 -0.060 0.060	-0.002 -0.062 0.058	-0.011 -0.066 0.054	-0.005 -0.060 0.060	0.001 -0.056 0.064
Coil 5 R	0.056 -0.051 0.189	-0.006 -0.122 0.118	-0.013 -0.136 0.104	0.006 -0.107 0.133	-0.003 -0.122 0.118	-0.009 -0.120 0.120	0.010 -0.129 0.111	-0.001 -0.120 0.120
Coil 5 Q	0.070 -0.547 0.653	-0.023 -0.286 0.214	0.000 -0.101 0.139	-0.010 -0.131 0.109	-0.000 -0.126 0.114	0.014 -0.117 0.123	-0.005 -0.128 0.112	0.003 -0.131 0.109

ELEC. GAINS	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 M	162.45 159.05 165.54	161.19 157.81 164.25	158.58 155.26 161.60	154.67 151.44 157.62	149.38 146.26 152.23	142.77 139.77 145.47	134.85 131.98 137.36	125.54 122.92 127.94
Coil 0 P	7.483 4.355 10.355	25.666 22.633 28.633	43.248 40.248 46.248	60.817 57.822 63.822	78.419 75.437 81.437	96.098 93.144 99.144	113.829 110.887 116.887	131.622 128.673 134.673
Coil 1 M	281.35 275.64 286.89	278.76 273.11 284.25	273.50 267.97 278.91	265.77 260.36 270.98	255.60 250.37 260.59	243.10 238.11 247.83	228.49 223.79 232.92	211.85 207.54 216.01
Coil 1 P	7.527 4.399 10.399	25.440 22.409 28.409	42.789 39.789 45.789	60.066 57.071 63.071	77.313 74.336 80.336	94.569 91.611 97.611	111.795 108.849 114.849	128.960 126.022 132.022
Coil 2 M	574.55 562.74 585.70	569.16 557.44 580.20	558.31 546.81 569.13	542.26 531.07 552.74	521.26 510.51 531.35	495.59 485.33 505.14	465.77 456.12 474.74	431.85 422.91 440.17
Coil 2 P	7.673 4.537 10.537	25.997 22.963 28.963	43.725 40.722 46.722	61.377 58.378 64.378	78.991 75.999 81.999	96.589 93.628 99.628	114.168 111.213 117.213	131.698 128.749 134.749
Coil 3 M	931.62 912.61 949.86	923.92 905.06 942.00	908.07 889.62 925.93	884.36 866.36 901.72	852.76 835.31 869.40	813.51 796.81 829.33	766.84 751.11 781.77	712.50 698.12 726.61
Coil 3 P	7.605 4.471 10.471	25.730 22.694 28.694	43.308 40.299 46.299	60.854 57.844 63.844	78.407 75.414 81.414	96.012 93.029 99.029	113.633 110.689 116.689	131.294 128.345 134.345
Coil 4 M	1432.9 1404.3 1461.6	1419.9 1391.6 1448.4	1394.0 1366.2 1421.9	1355.6 1328.4 1382.6	1305.3 1278.9 1331.1	1243.3 1218.6 1268.3	1171.8 1148.4 1195.3	1090.6 1069.1 1112.7
Coil 4 P	7.482 4.351 10.351	25.387 22.352 28.352	42.705 39.706 45.706	59.961 56.959 62.959	77.173 74.187 80.187	94.376 91.409 97.409	111.562 108.625 114.625	128.745 125.772 131.772
Coil 5 M	2937.4 2877.6 2995.1	2912.5 2853.4 2969.9	2861.3 2803.2 2917.6	2784.8 2728.5 2839.9	2684.1 2628.9 2736.2	2560.4 2507.7 2610.0	2414.0 2364.0 2460.5	2247.8 2201.3 2291.1
Coil 5 P	7.644 4.513 10.513	25.826 22.793 28.793	43.472 40.460 46.460	61.050 58.042 64.042	78.622 75.624 81.624	96.241 93.258 99.258	113.877 110.883 116.883	131.491 128.536 134.536



COMPANY
WELL
FIELD
PROVINCE

VULCAN MINERALS INC.
VULCAN INVESTCAN
ROBINSON #1
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

Baker Atlas



