

Company: International Ocean Discovery Program

Well: Expedition 400, Site U1607A

Field: NW Greenland Glaciated Margin

Rig Name: JOIDES Resolution Country: Greenland

Vertical Seismic Profile (VSP)

EDTC: GR

RCB/MBR

Rig Name:	JOIDES Resolution		
Field:	NW Greenland Glaciated Margin		
Location:	Latitude: N 74° 5499'		
Well:	Expedition 400, Site U1607A		
Company:	International Ocean Discovery Program		
Location:	Latitude: N 74° 5499'		Elev.: K.B.
	Longitude: W 60° 34.9900'		G.L. -750.00 m
			D.F. 11.00 m
	Permanent Datum:	Mean Sea Level	0.00 m
	Log Measured From:	Drill Floor	11.00 m above Perm.Datum
Drilling Measured From:			Drill Floor
	API Serial No.	Max.Hole Deviation	Longitude: Latitude:
Arctic Ocean	0 deg	60° 34' 59.398" W	74° 29' 32.964" N

Logging Date	25-Sep-2023		
Run Number	R1D2		
Depth Driller	1728.00 m		
Schlumberger Depth	1728.00 m		
Bottom Log Interval	1680.00 m		
Top Log Interval	730.00 m		
Casing Driller Size @ Depth	@		
Casing Schlumberger	0 m		
Bit Size	9.875 in		
Type Fluid In Hole	Water		
Density	Viscosity	1.2 g/cm3	
Fluid Loss	PH		
MUD	Active Tank		
RM @ Meas Temp	0.2 ohm.m @ 20 degC		
RMF @ Meas Temp	0.15 ohm.m @ 20 degC		
RMC @ Meas Temp			
Source RMF	RMC		Pressed
RM @ BHT	RMF @ BHT	0.07 @ 100	0.05 @ 100
Max Recorded Temperatures			
Circulation Stopped			
Time			
Logger on Bottom	Time	25-Sep-2023	11:46:00
Unit Number	Location:	OMCC-EA SN:6	Larose, La
Recorded By	K. Garrett		
Witnessed By	Z. Mateo		

Disclaimer

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

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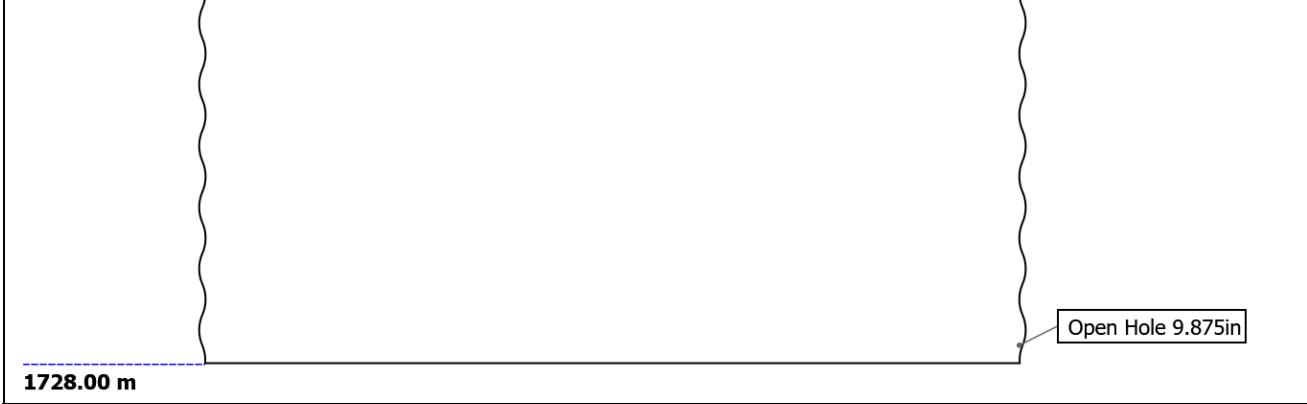
11. Tail

Well Sketch

Driller Depth

750.00 m








Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	9.875					
Top Driller (m)	750					
Top Logger (m)	750					
Bottom Driller (m)	1728					
Bottom Logger (m)	1728					

Remarks and Equipment Summary

R1D2: Toolstring				R1D2: Remarks	
<div><div><div>Equip name</div><div>LEH-QT:301</div><div>LEH-QT:301</div></div><div><div>Length</div><div>12.29</div></div><div><div>MP name</div><div></div></div><div><div>Offset</div><div></div></div></div> <div></div>				Tool was run as per tool sketch	
				All logging intervals as per client request	
				30m interval stations.	
				Desired 3 clean shots per station.	
				Tagged 8m high than previous run.	
<div><div><div>AH-369</div><div>11.23</div><div>724</div></div><div><div>EDTC-B:8529</div><div>10.79</div><div>M</div></div><div><div>EDTH-B:8528</div><div></div><div></div></div><div><div>EDTG-B:77693</div><div></div><div></div></div><div><div>EDTC-B:8529</div><div></div><div></div></div></div> <div></div>					
<div><div><div>AH-241</div><div>8.81</div><div>M Sn:8006</div></div><div><div>VSIT-CA:803</div><div>8.55</div><div>M</div></div><div><div>4A</div><div></div><div></div></div><div><div>VSPH-PA</div><div></div><div></div></div><div><div>VSPC-B:8006</div><div></div><div></div></div><div><div>VSCH-P</div><div></div><div></div></div><div><div>VSCC-B:8005</div><div></div><div></div></div><div><div>AH-244:8043</div><div></div><div></div></div><div><div>VSIS-PC:8034A</div><div></div><div></div></div><div><div>VSIA-PA</div><div></div><div></div></div></div> <div></div>					



Lengths are in m
Maximum Outer Diameter = 3.625 in
Line: Sensor Location, Value: Gating Offset
All measurements are relative to TOOL_ZERO

Depth Summary

R1D2

Depth Measuring Device

Type	IDW-JA		
Serial Number	G5020		
Calibration Date			
Calibrator Serial Number			
Calibration Cable Type	7-46		
Wheel Correction 1	-5		
Wheel Correction 2	-4		

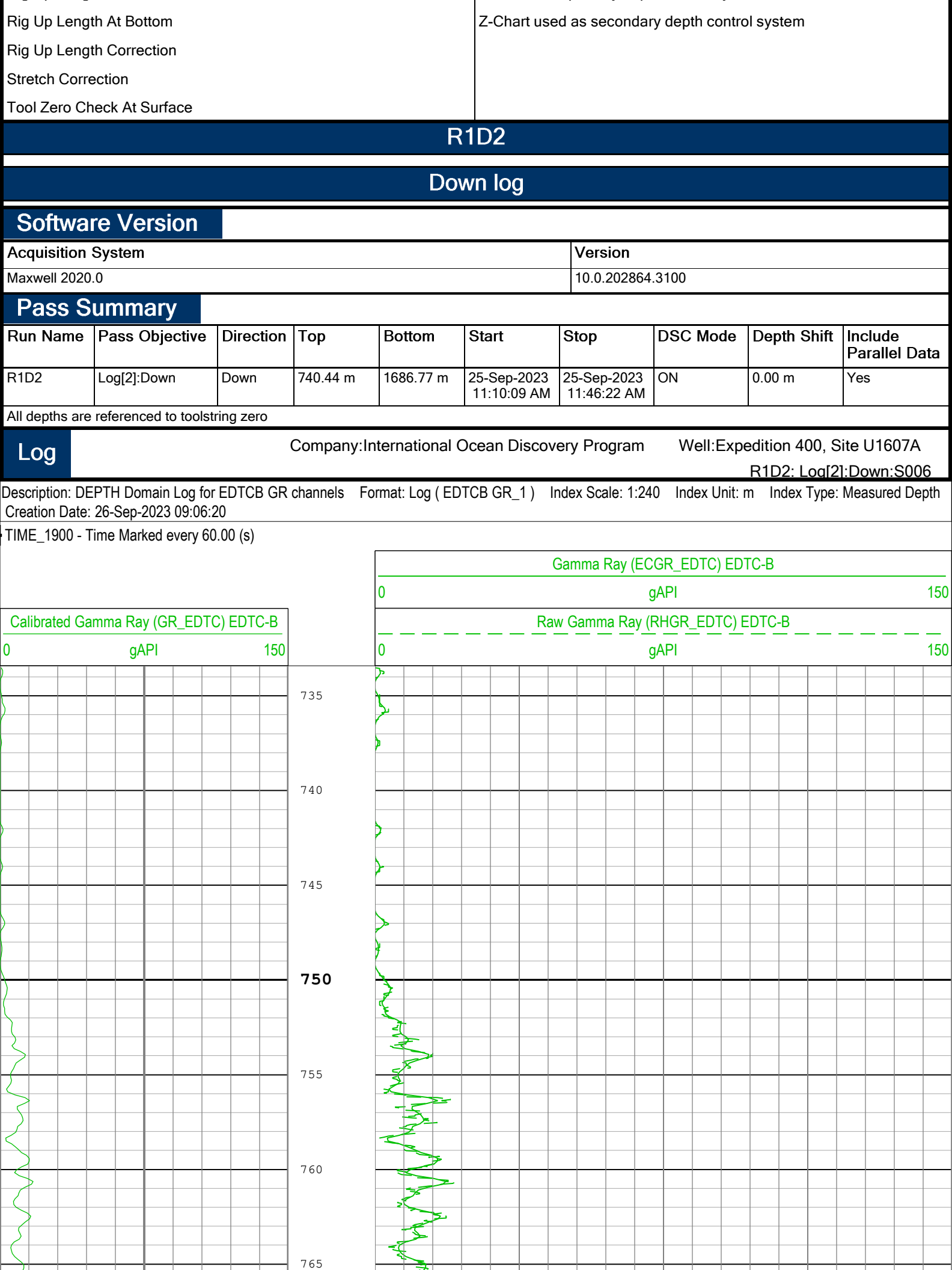
Tension Device

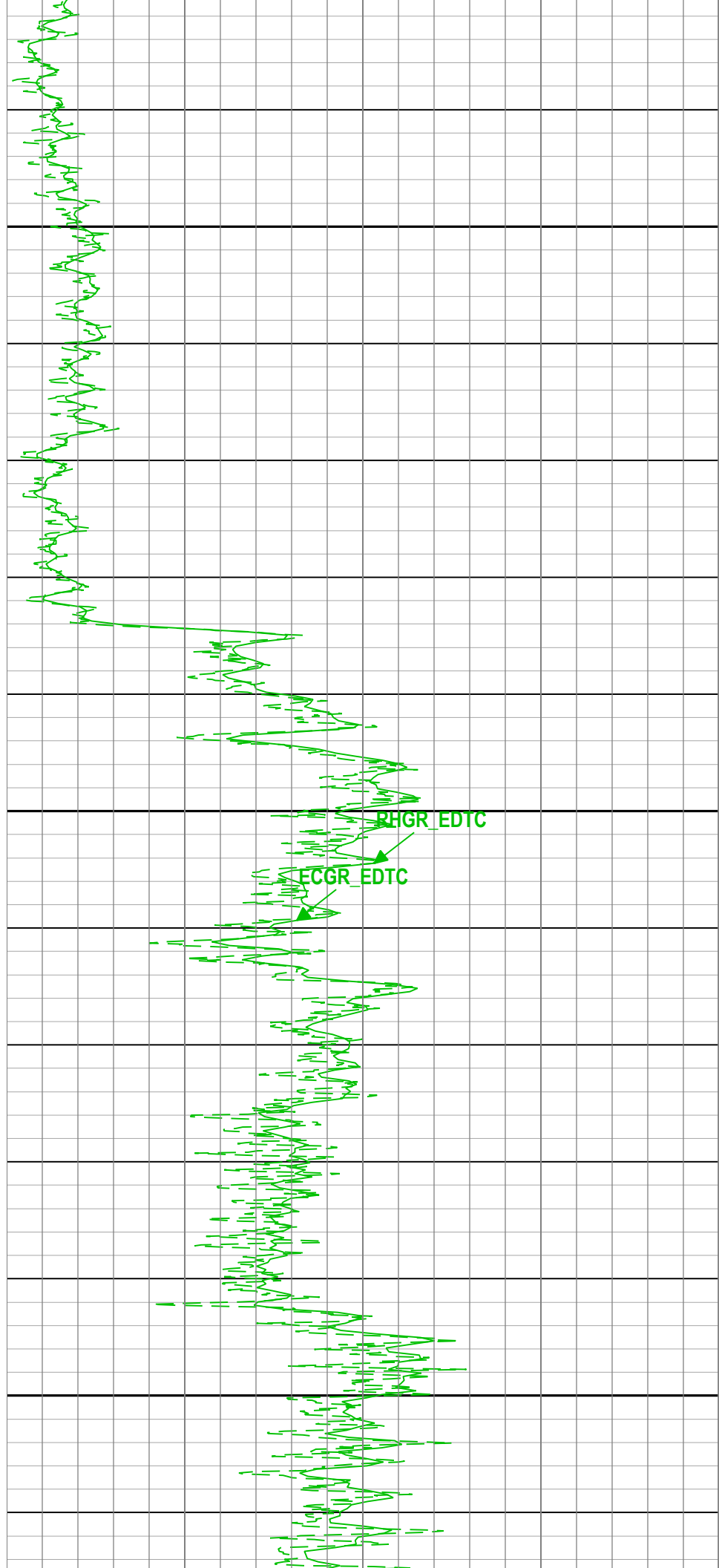
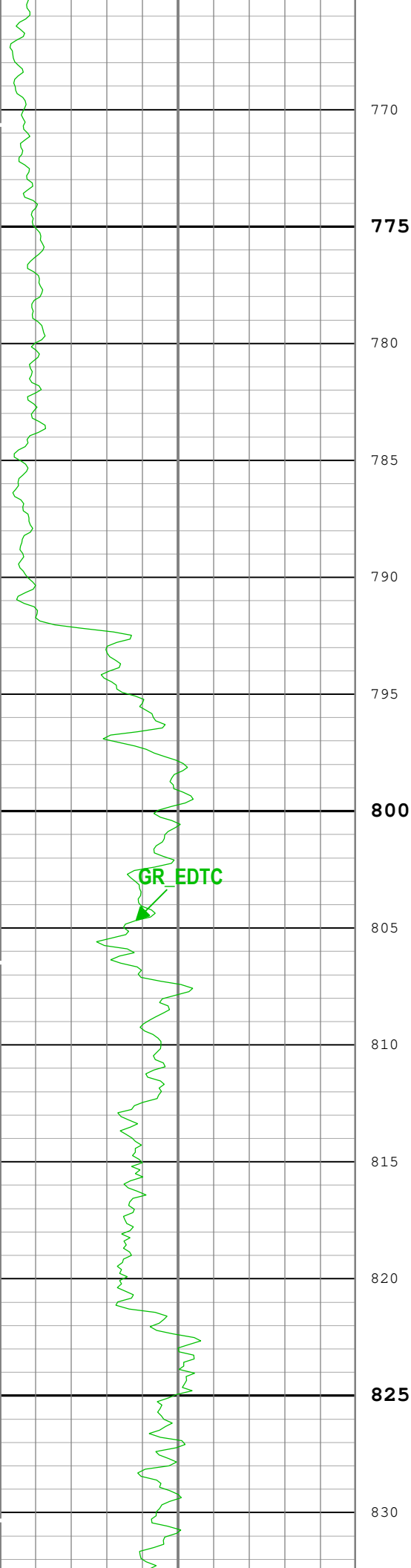
Type	CMTD-B/A		
Serial Number	1		
Calibration Date	02-DEC-2022		
Calibrator Serial Number	1		
Number of Calibration Points	10		
Calibration Root Mean Square Error	8		
Calibration Peak Error	18		

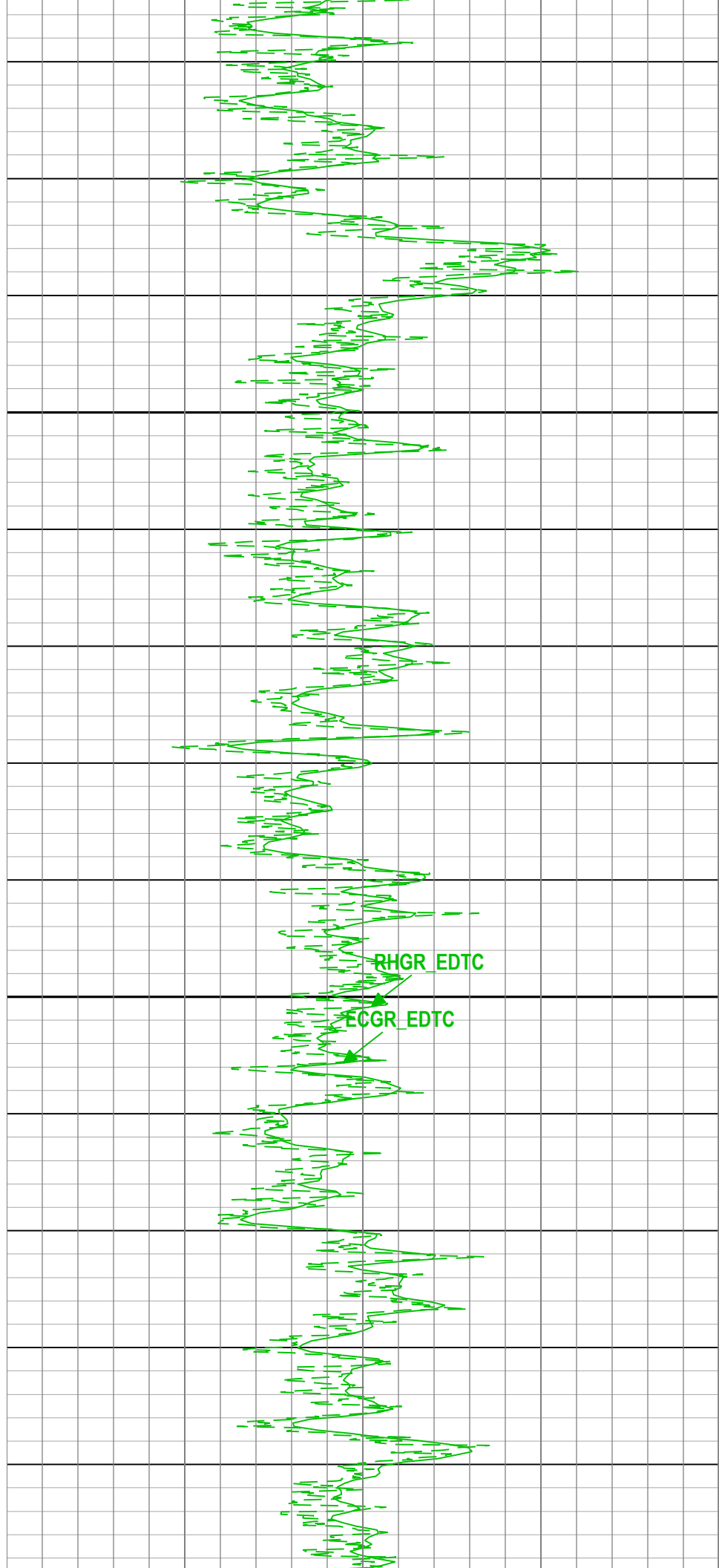
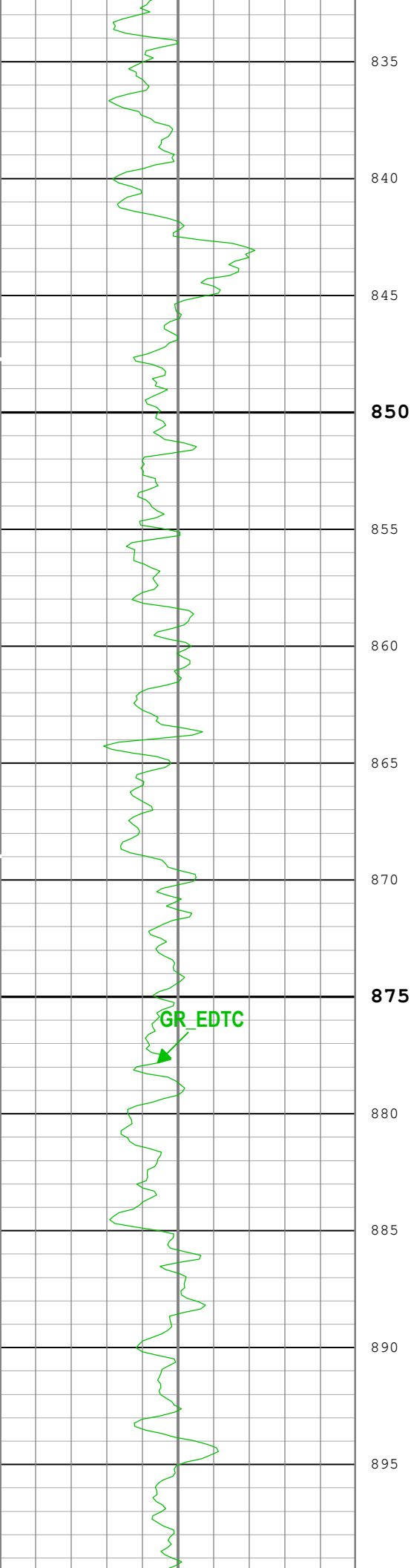
Logging Cable

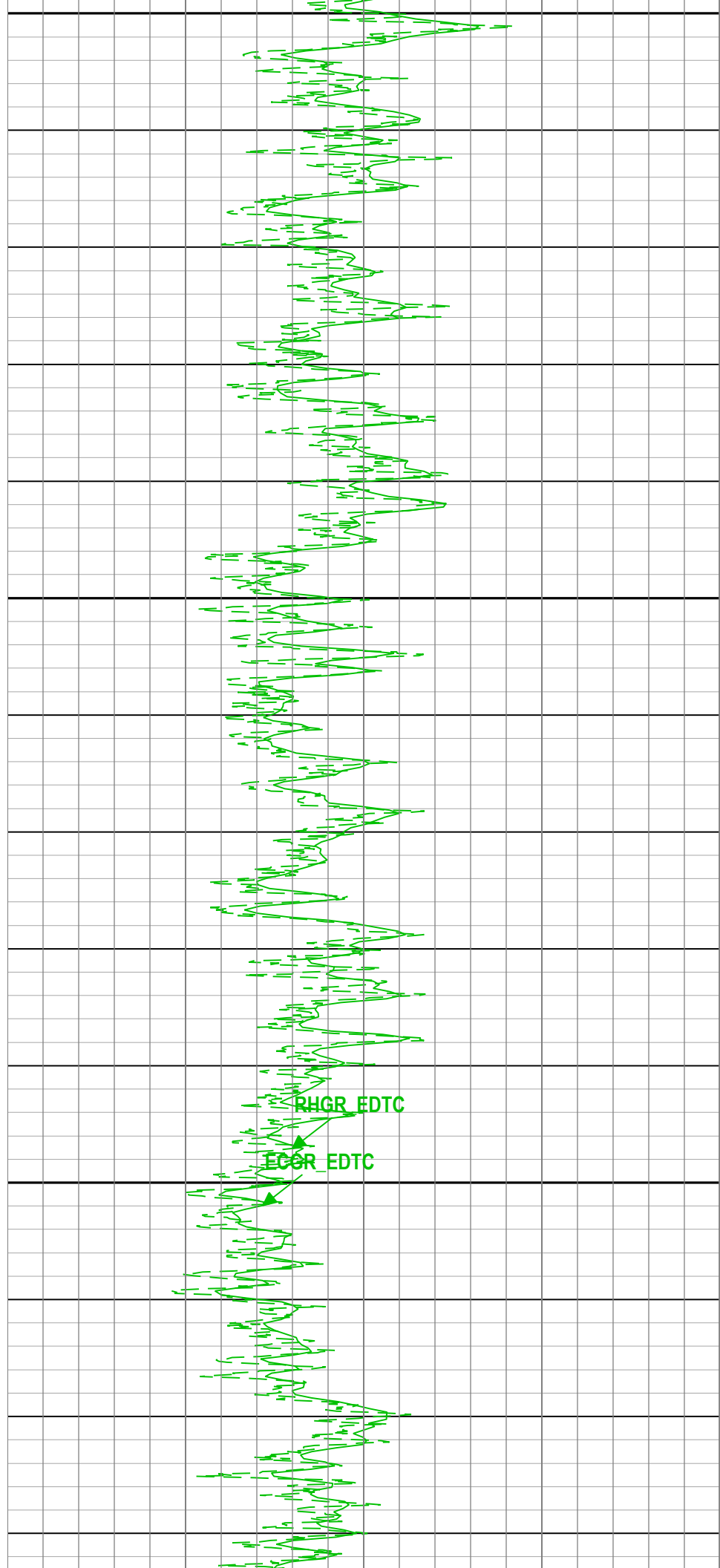
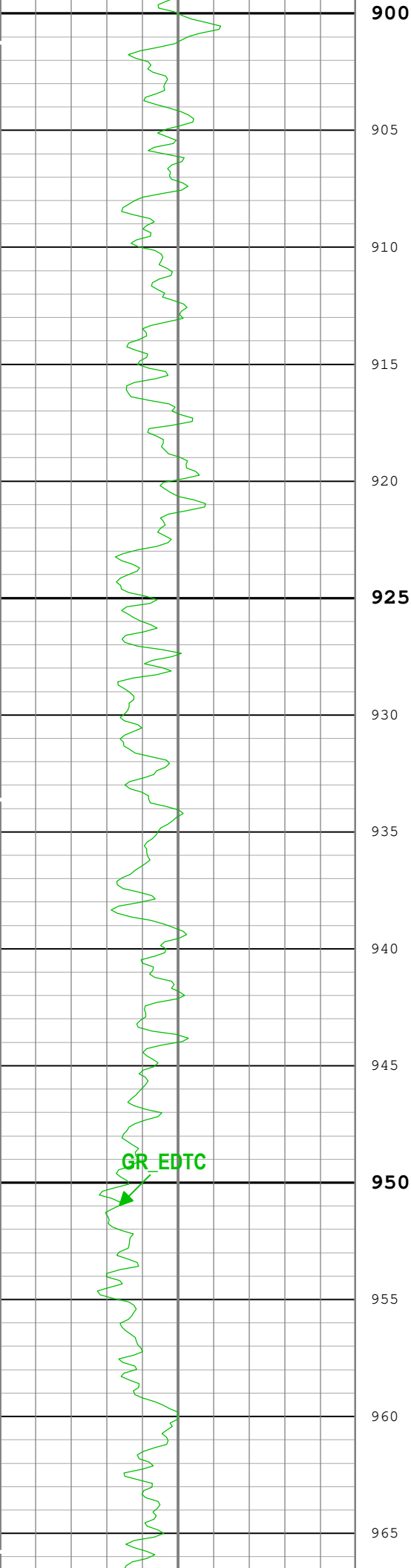
Type	7-46A-XS		
Serial Number	F717110		
Length	9230.00 m		
Conveyance Type	Wireline		
Rig Type	Drill Ship		

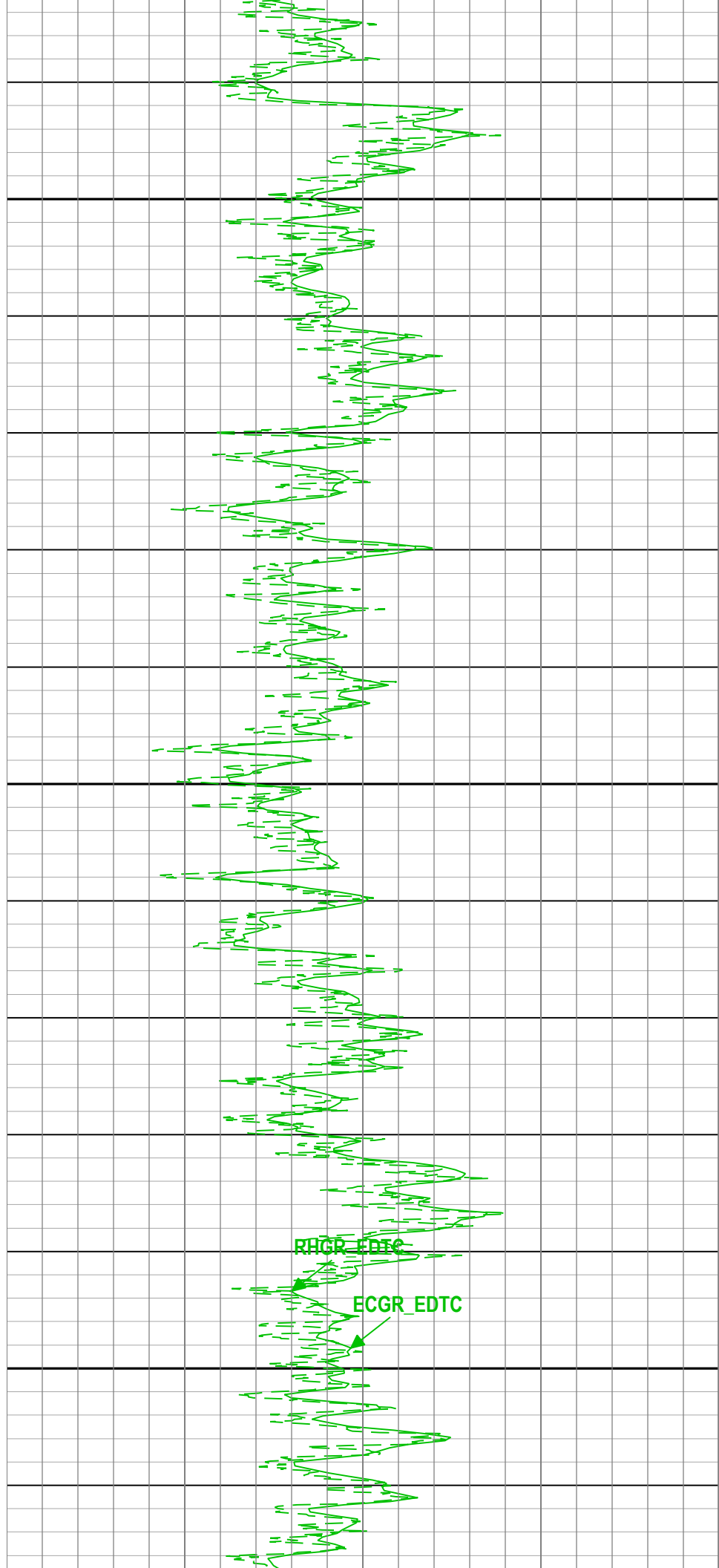
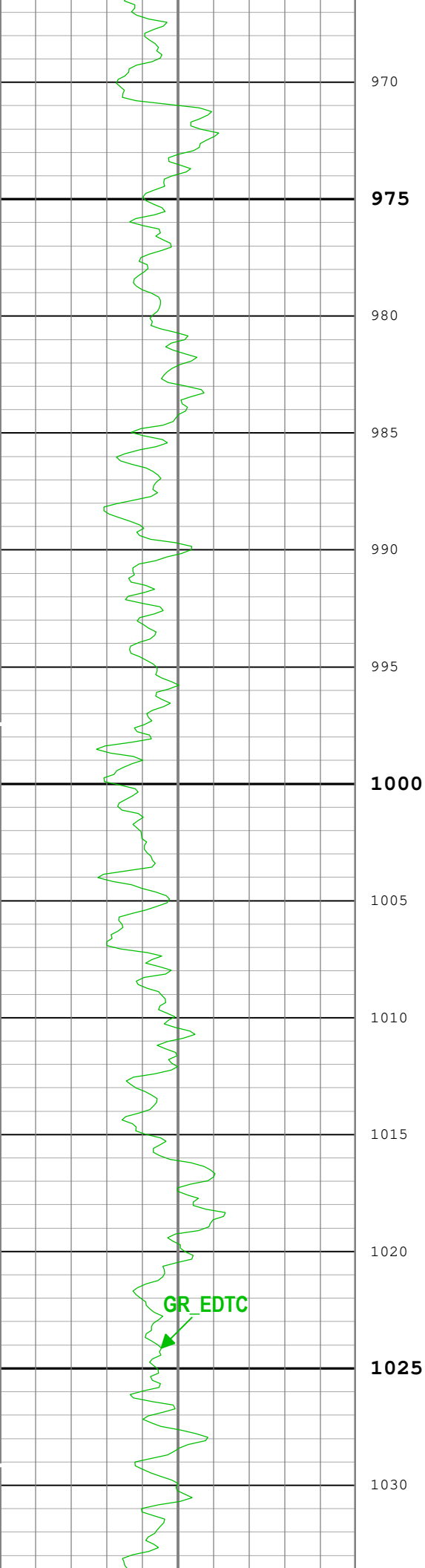
R1D2:Depth Control Parameters		Depth Control Remarks	
Log Sequence	First Log In the Well	Schlumberger depth control procedures followed	
Rig Up Length At Surface		IDW used as primary depth control system	

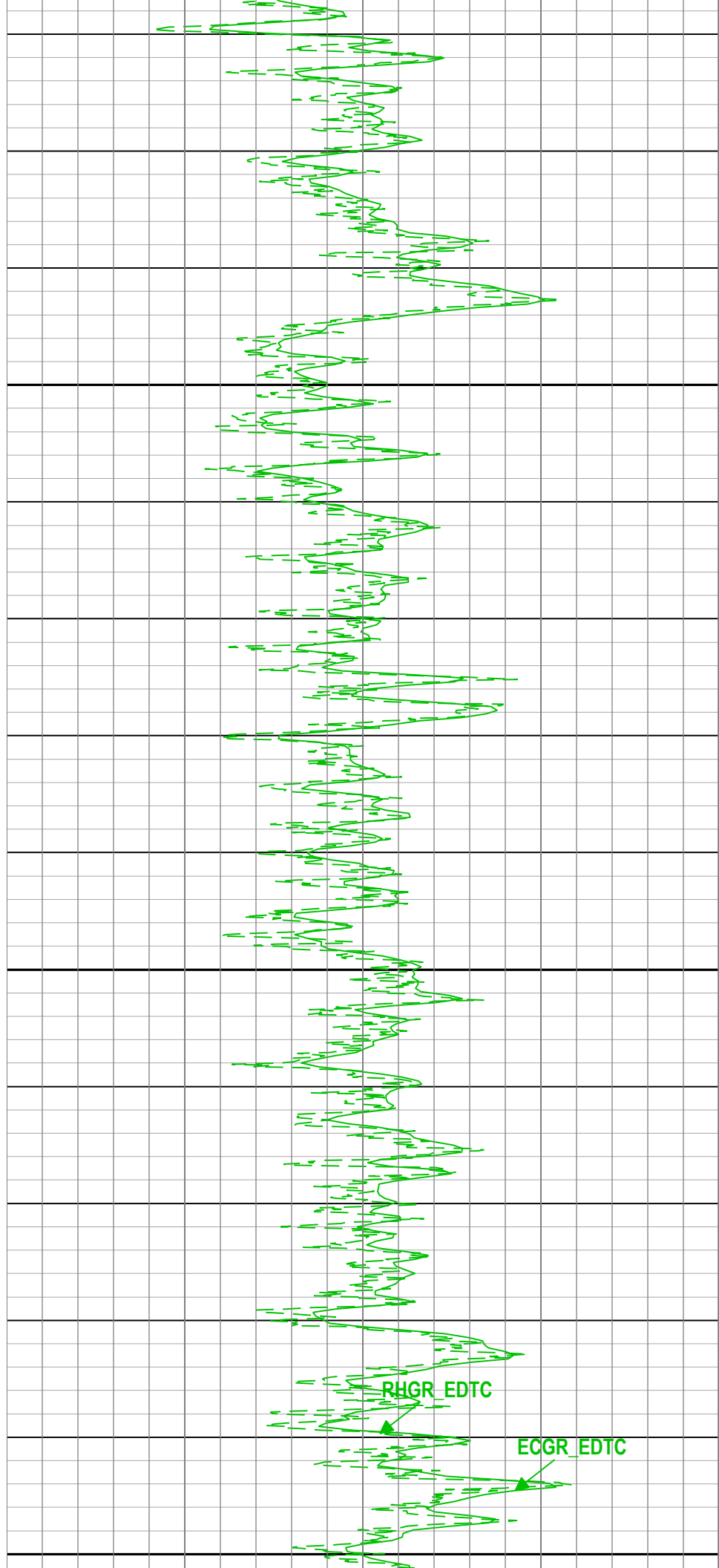
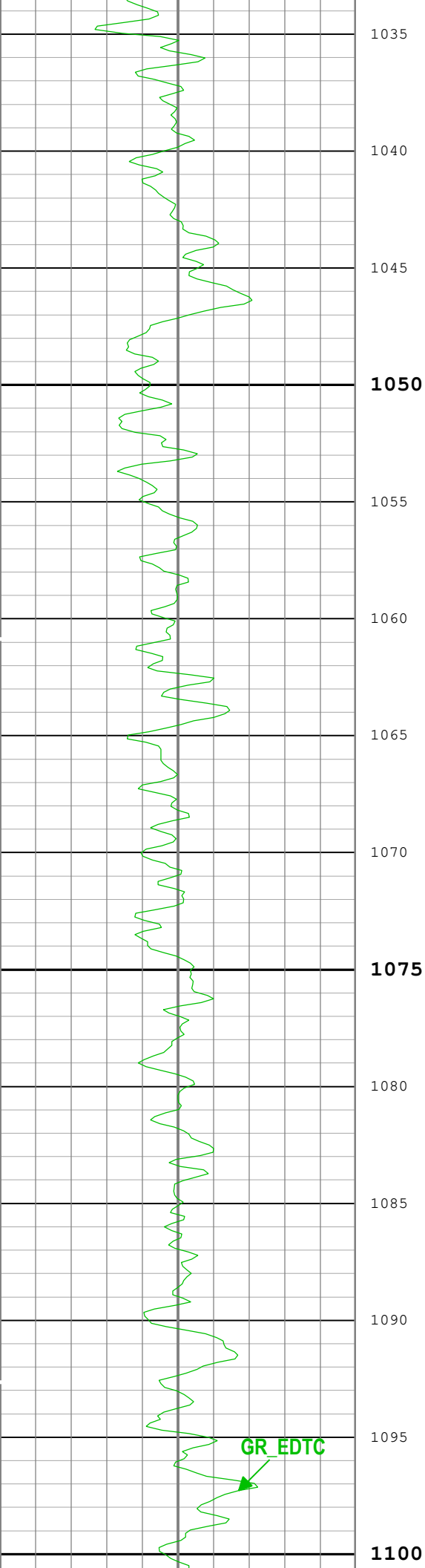


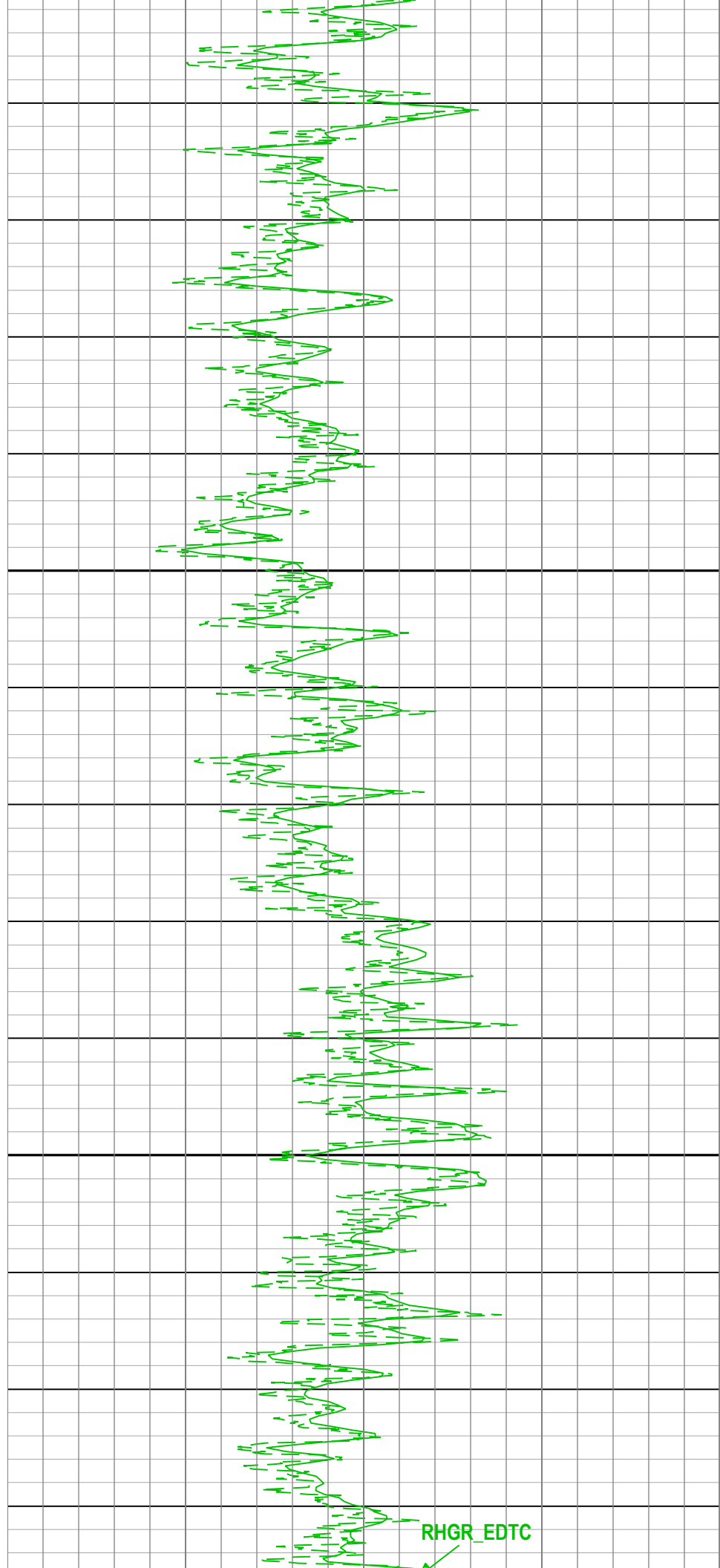
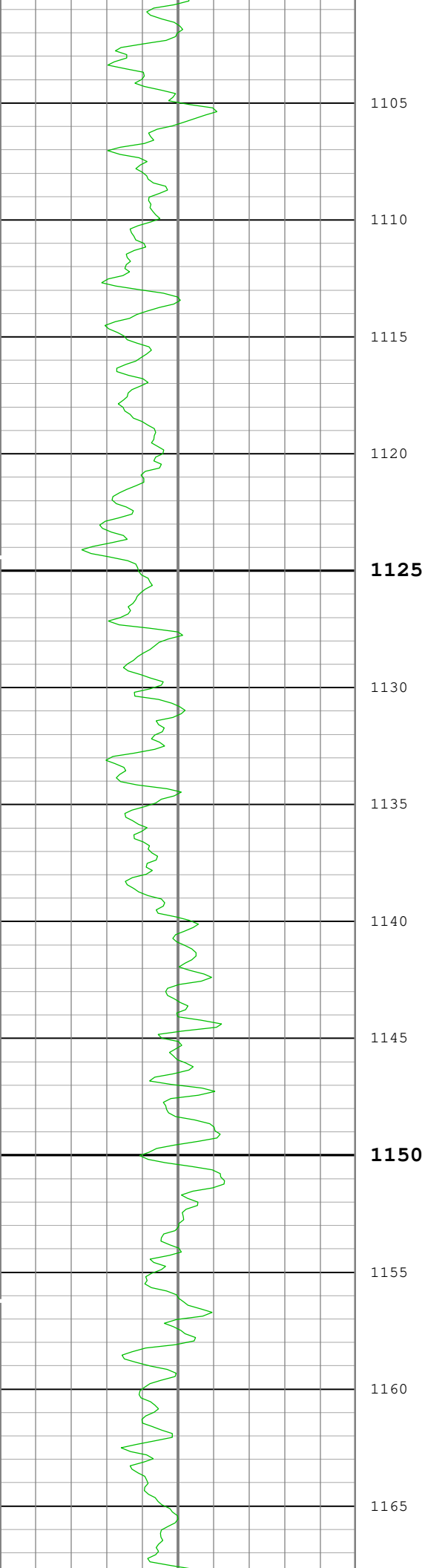




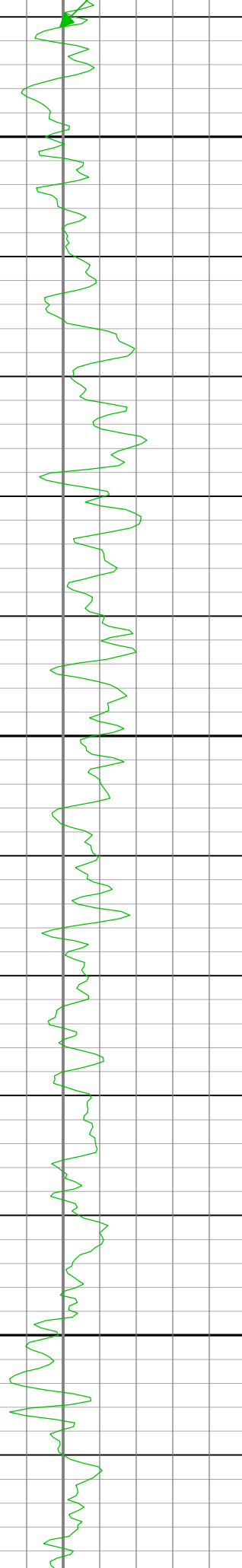








GR EDTC



1170

1175

1180

1185

1190

1195

1200

1205

1210

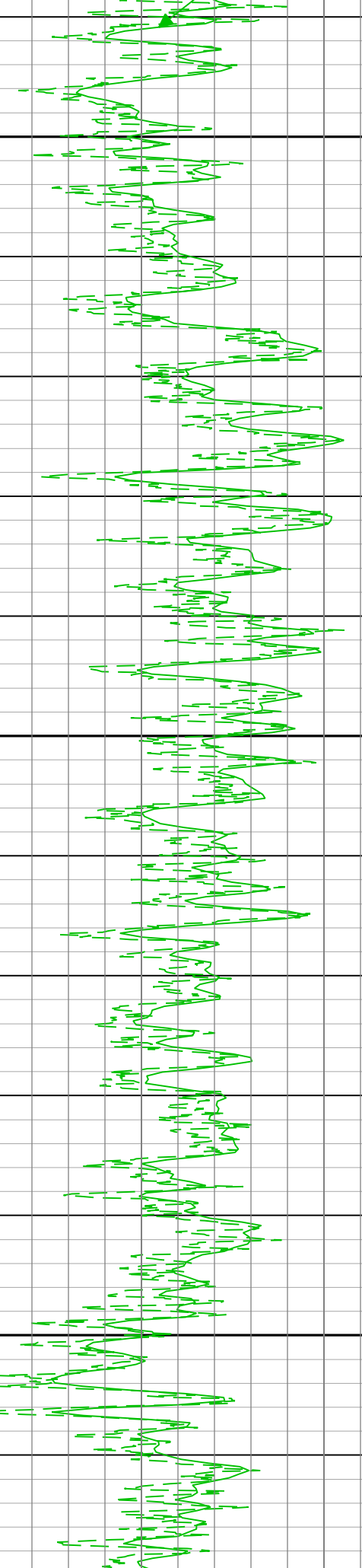
1215

1220

1225

1230

ECGR EDTC



1170

1175

1180

1185

1190

1195

1200

1205

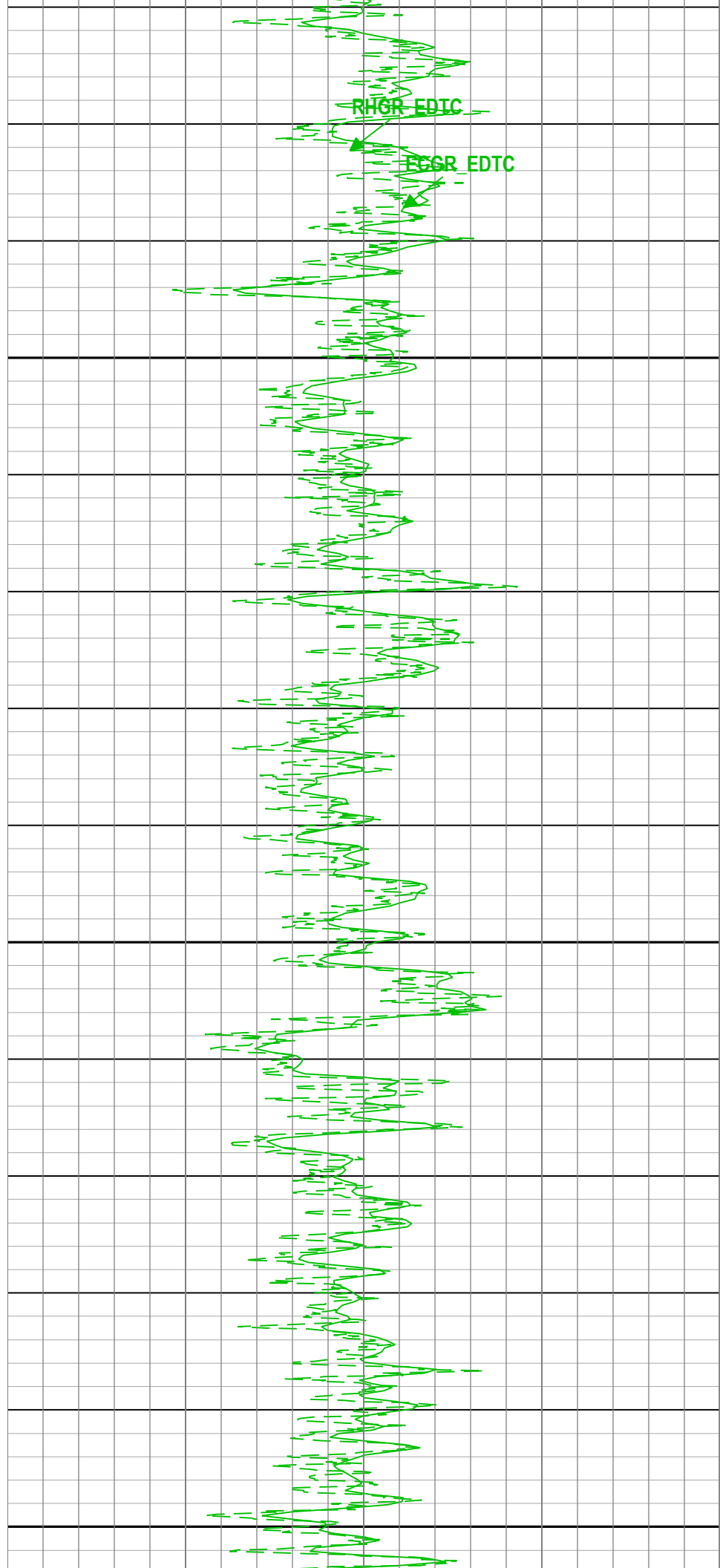
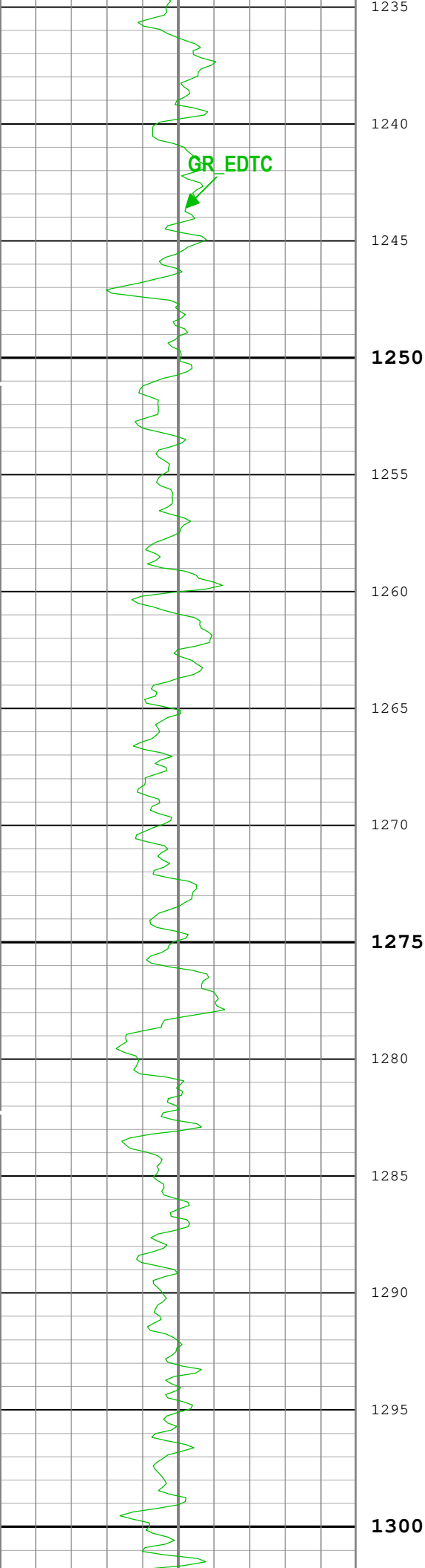
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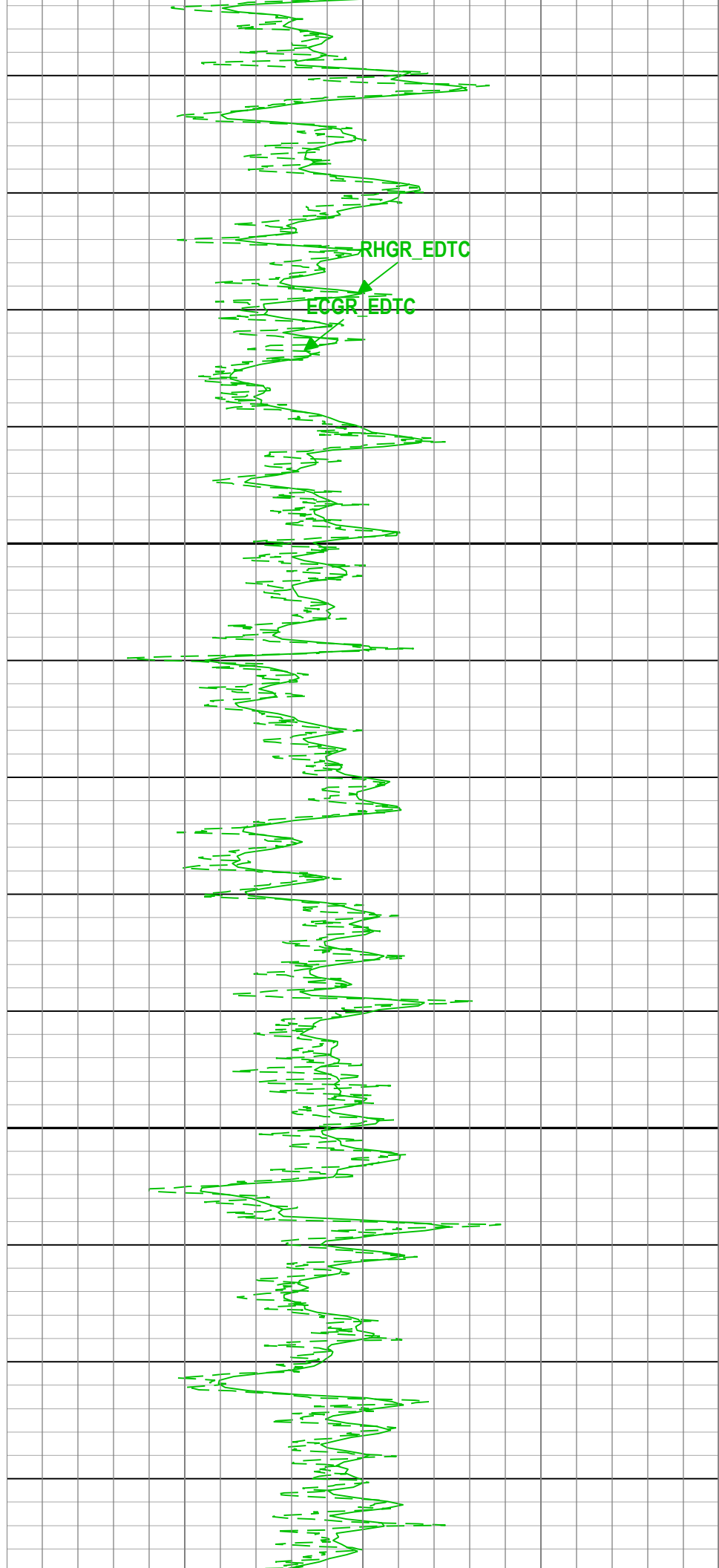
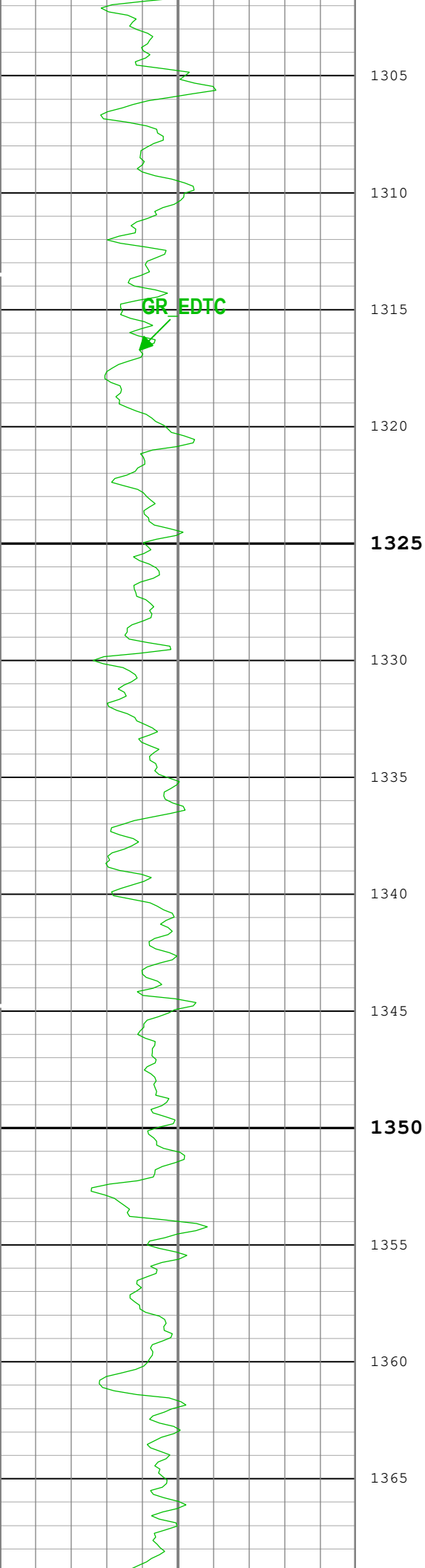
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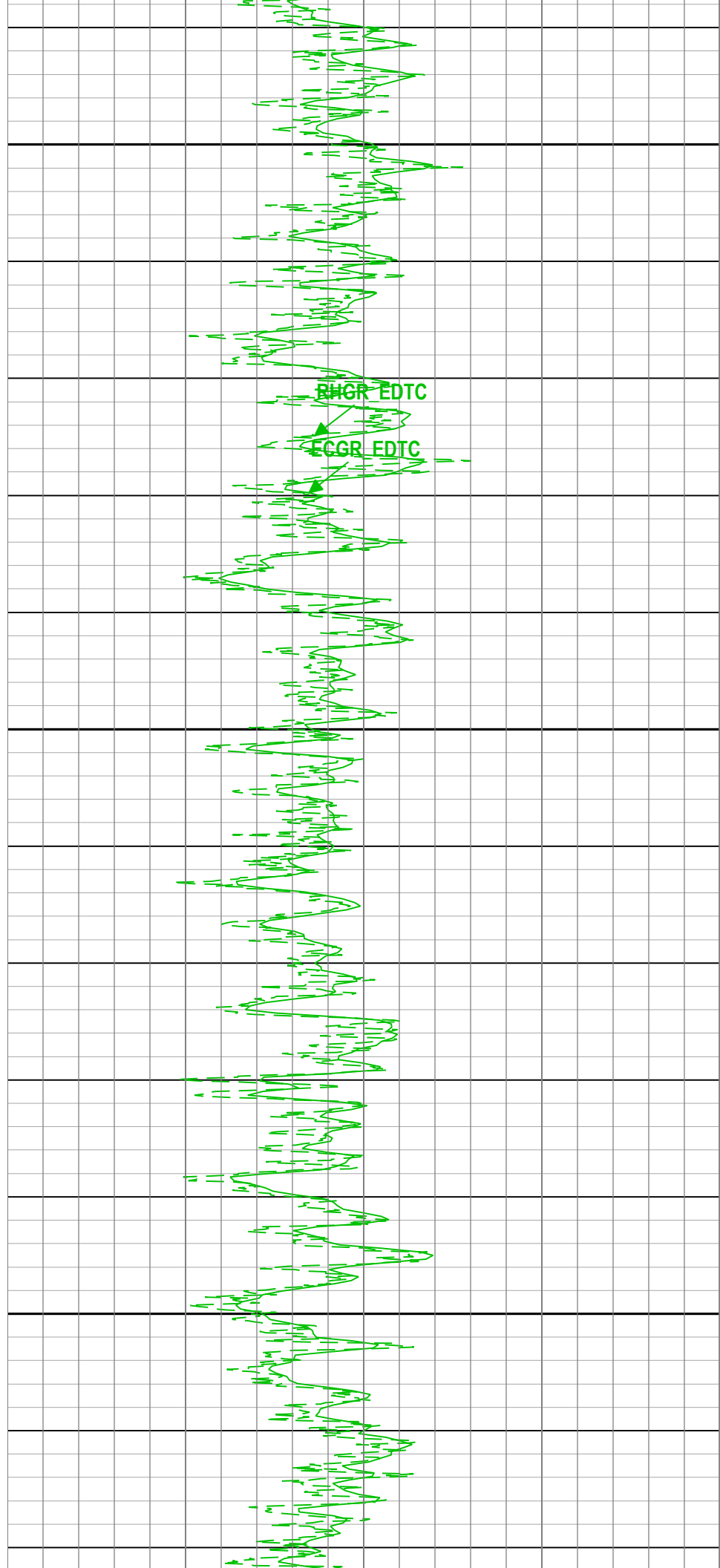
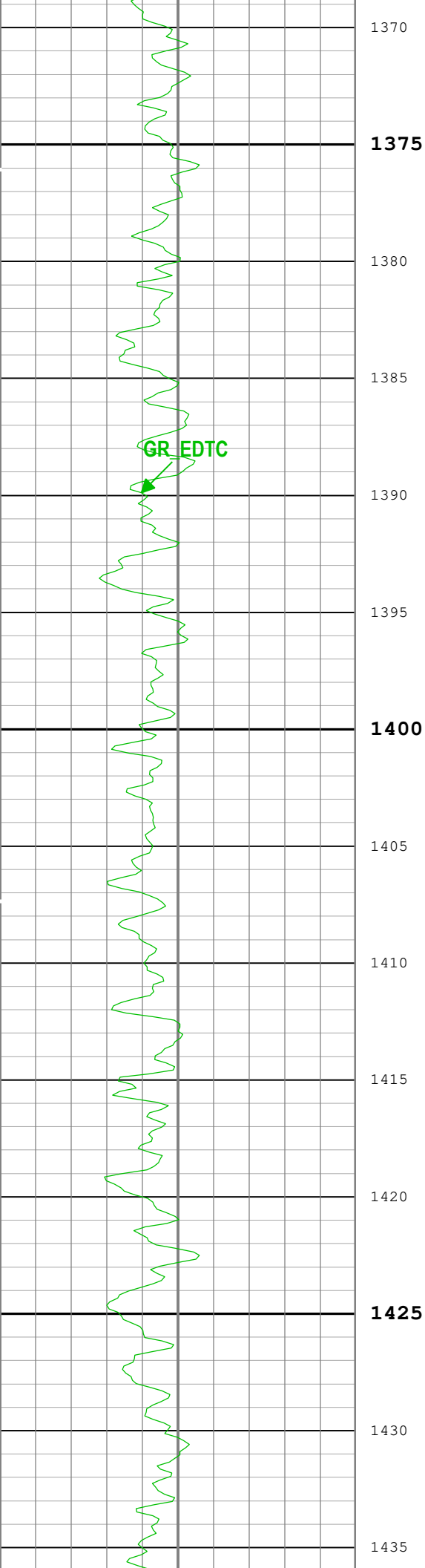
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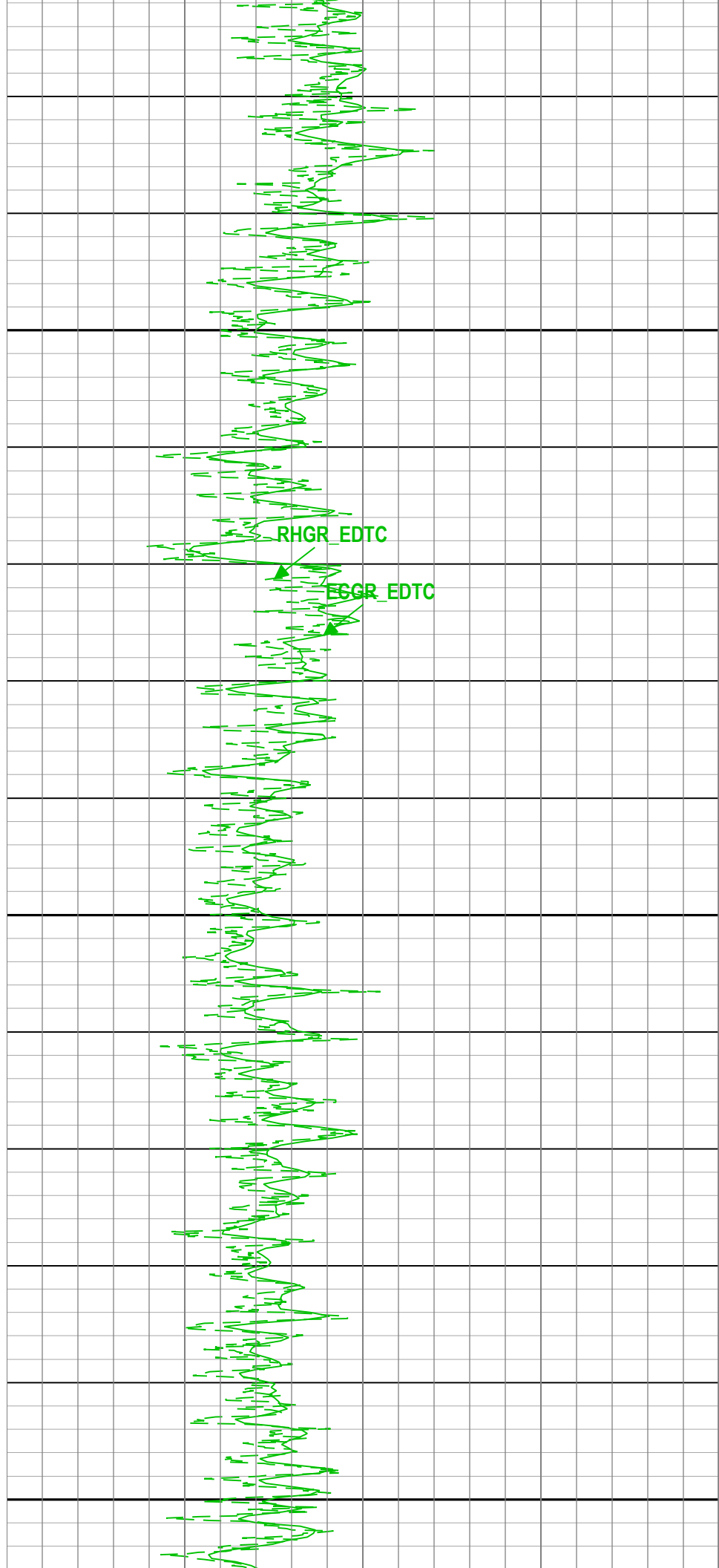
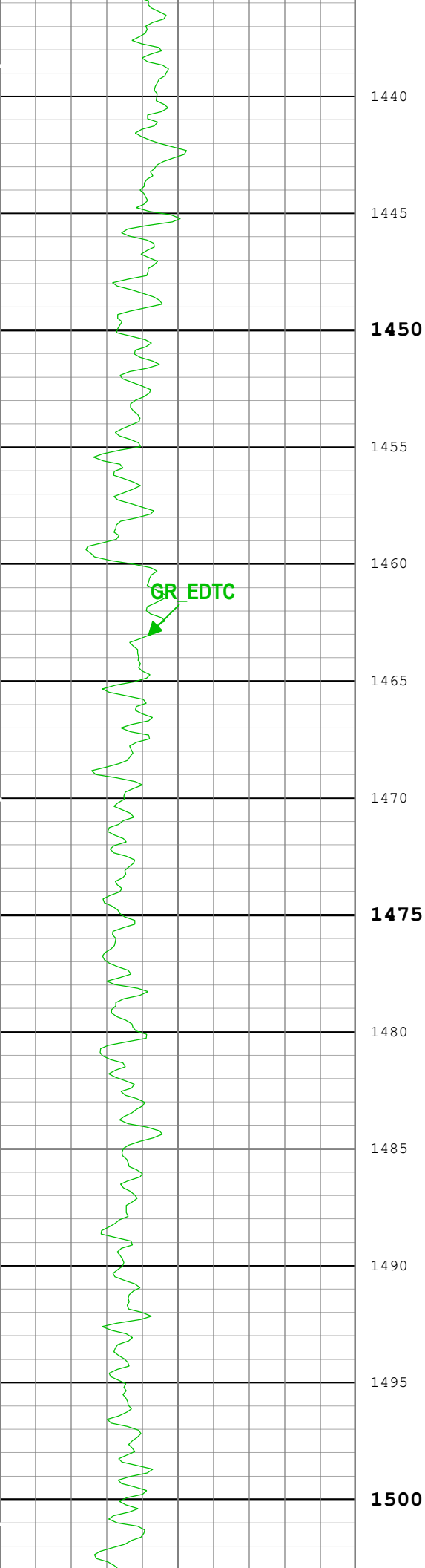
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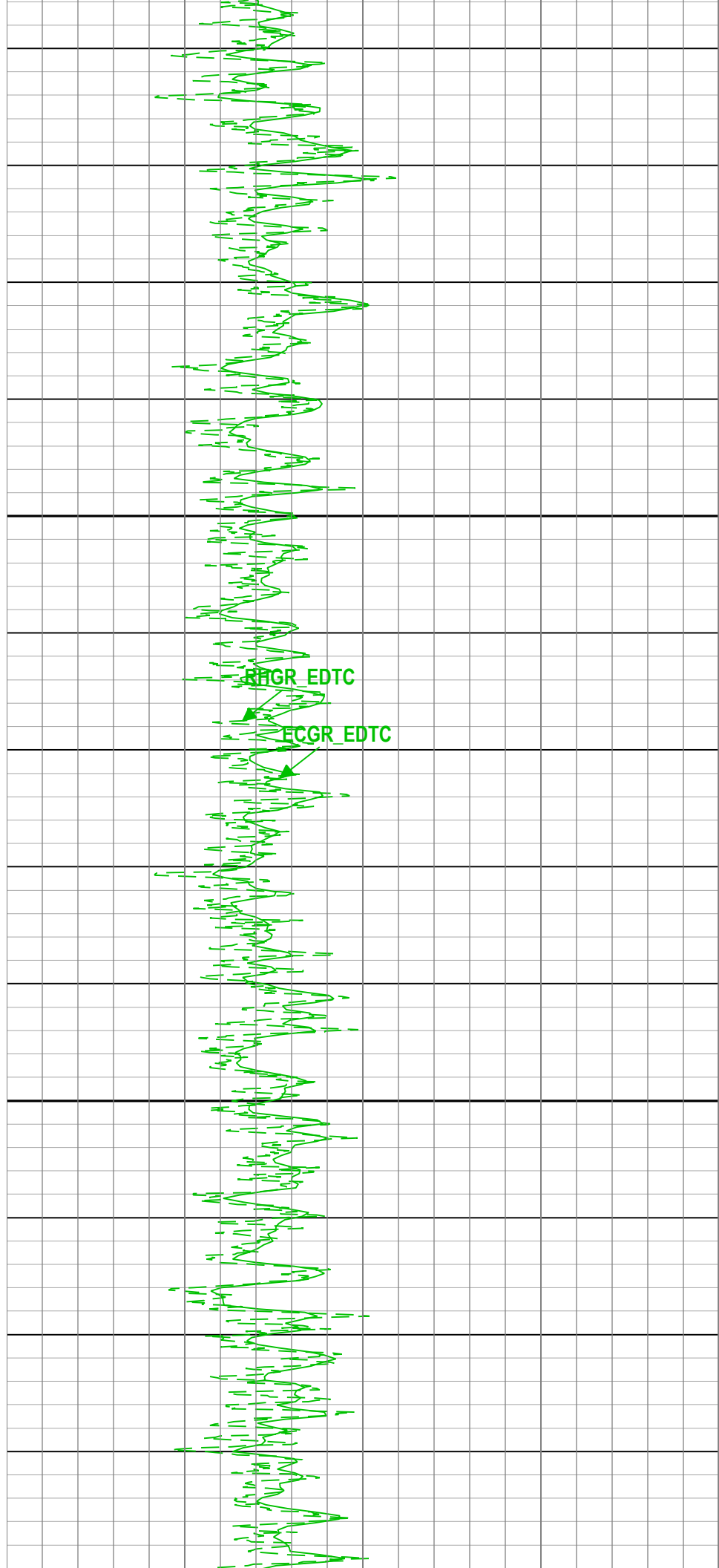
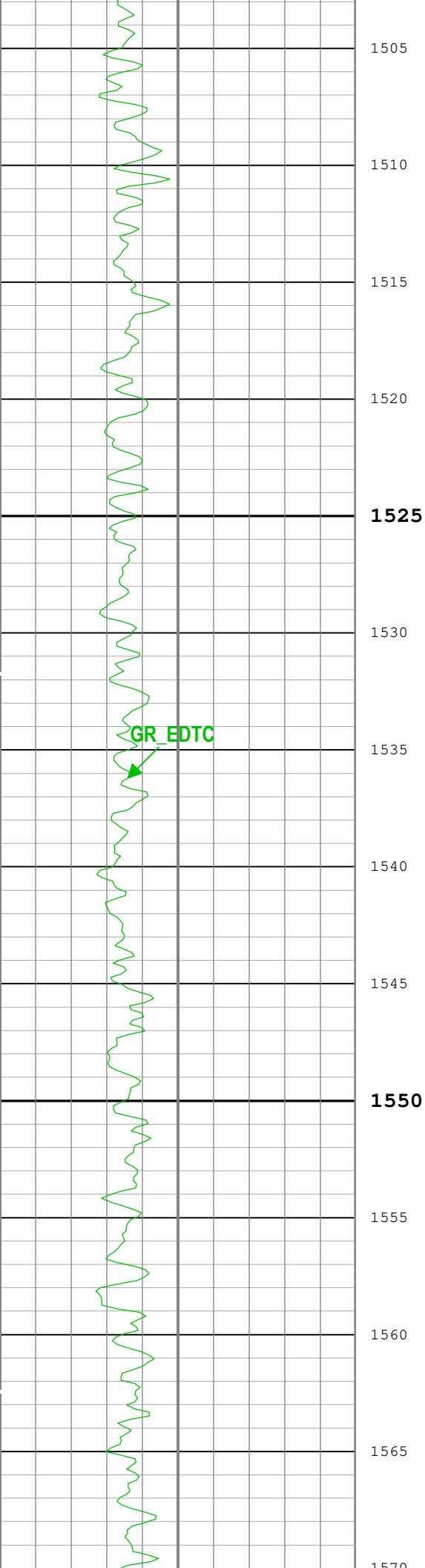
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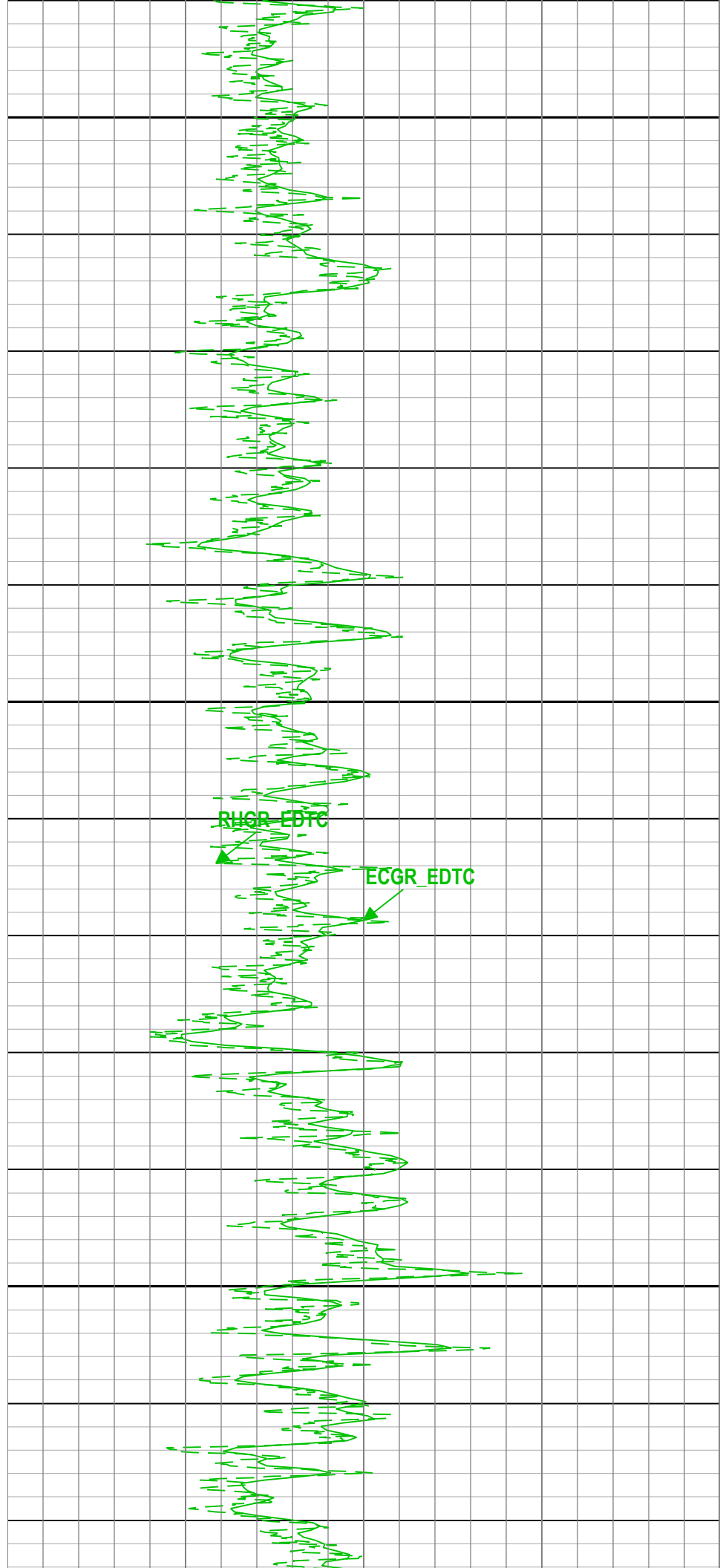
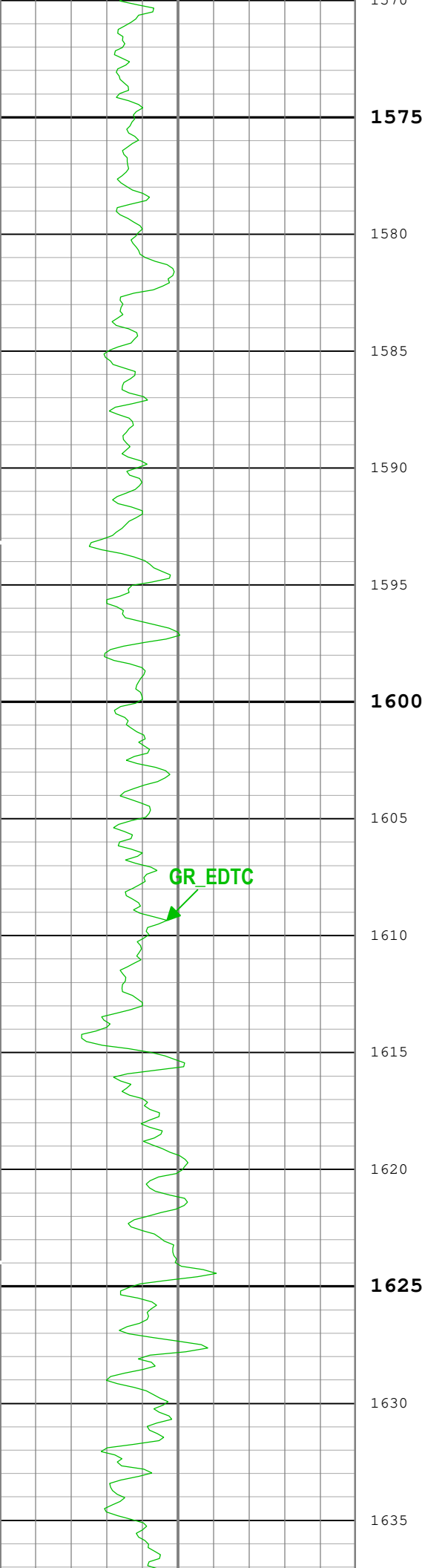


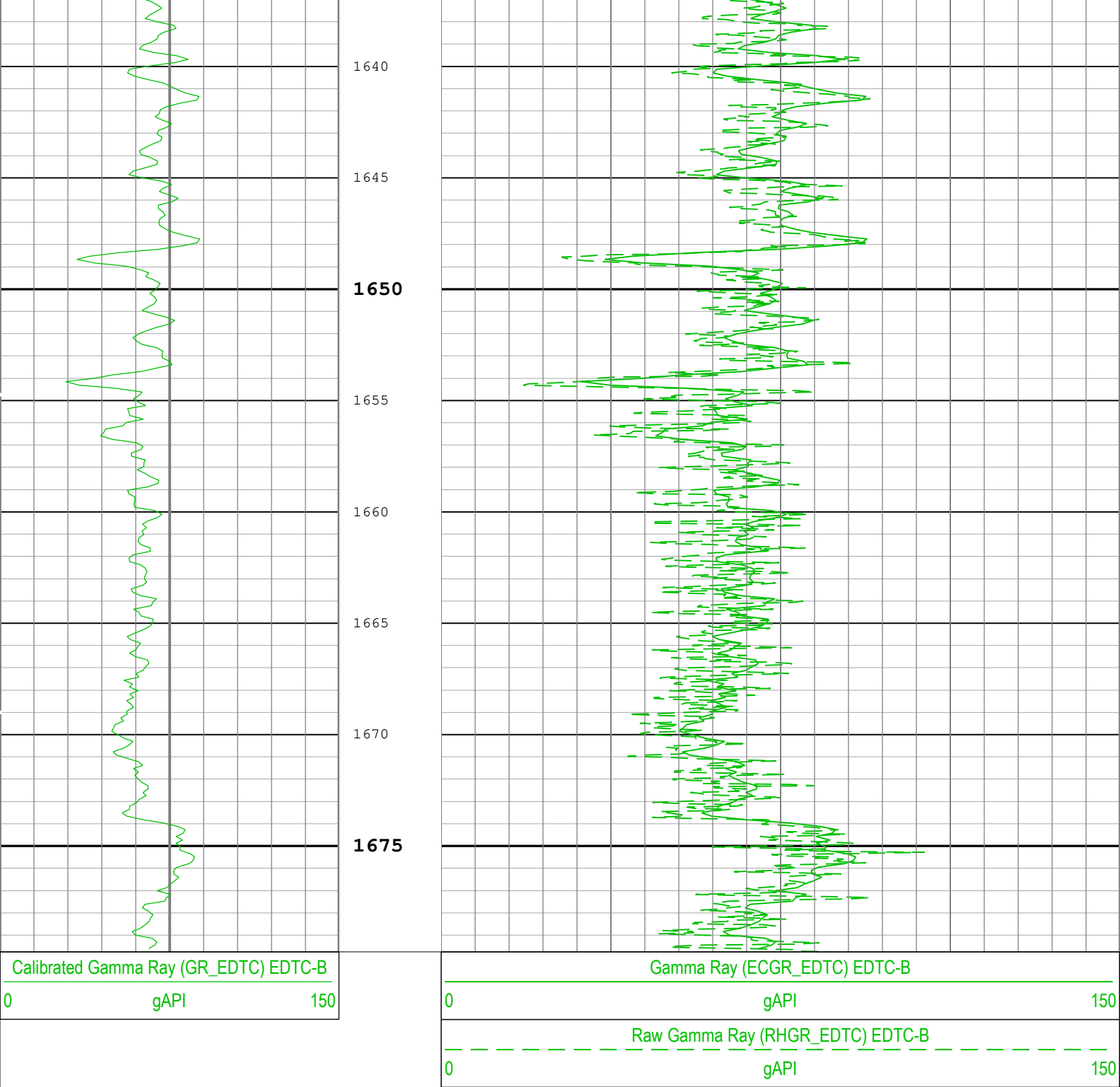












TIME_1900 - Time Marked every 60.00 (s)

Description: DEPTH Domain Log for EDTCB GR channels Format: Log (EDTCB GR_1) Index Scale: 1:240 Index Unit: m Index Type: Measured Depth

Creation Date: 26-Sep-2023 09:06:20

Channel Processing Parameters				
R1D2: Parameters				
Parameter	Description	Tool	Value	Unit
BARI(ISSBAR)	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BS	Bit Size	WLSESSION	9.875	in
CBLO	Casing Bottom (Logger)	WLSESSION	0	m
CDEN	Cement Density	EDTC-B	2	g/cm3
DFD	Drilling Fluid Density	Borehole	1.2	g/cm3
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS(RT)	

GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	BS(RT)	
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Tool Control Parameters	
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R1D2

Up log from 1st Station

Software Version	
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Acquisition System	Version
Maxwell 2020.0	10.0.202864.3100

Pass Summary	
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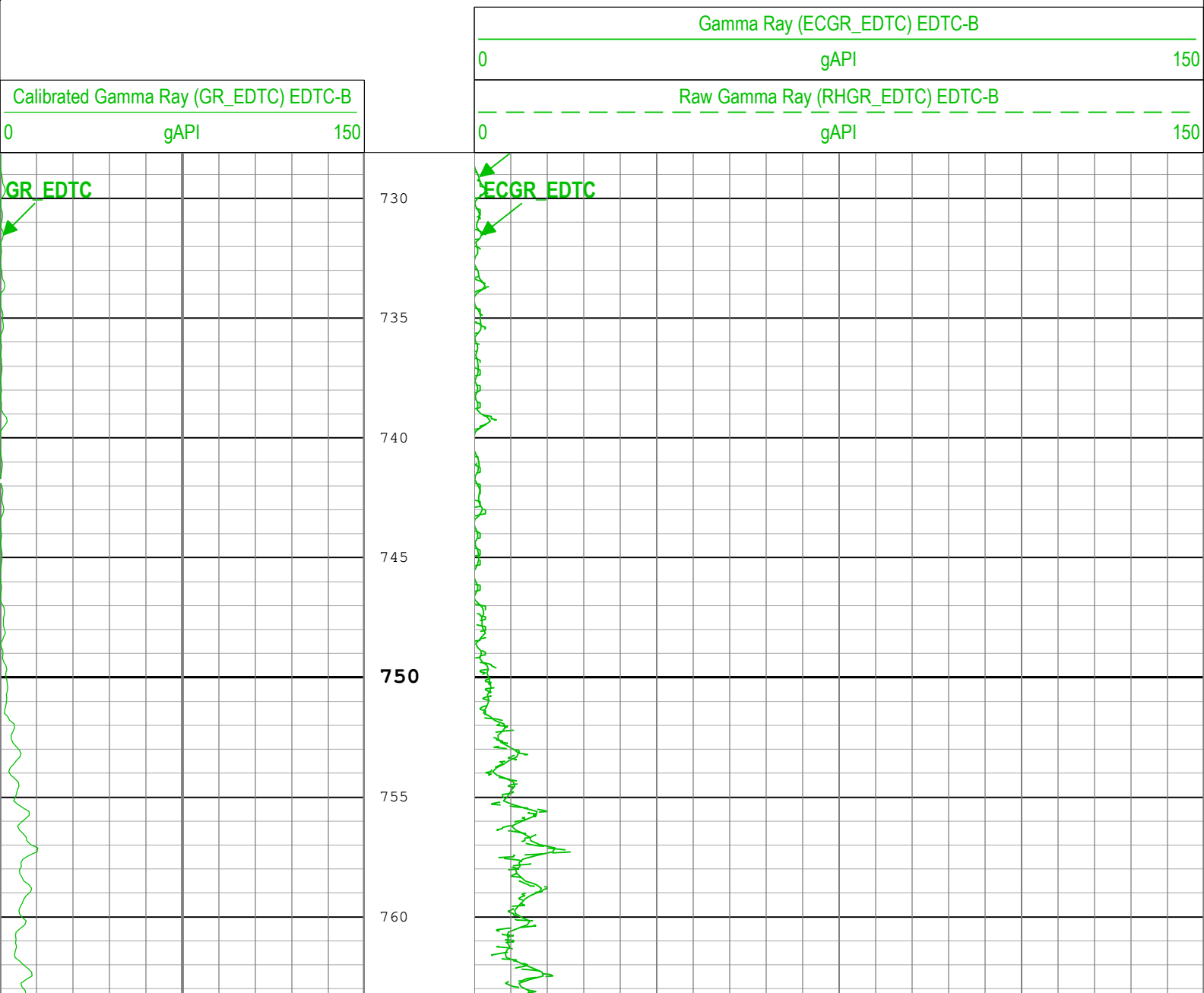
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
R1D2	Log[3]:Up	Up	735.04 m	1680.22 m	25-Sep-2023 11:46:26 AM	25-Sep-2023 5:21:13 PM	ON	0.00 m	Yes

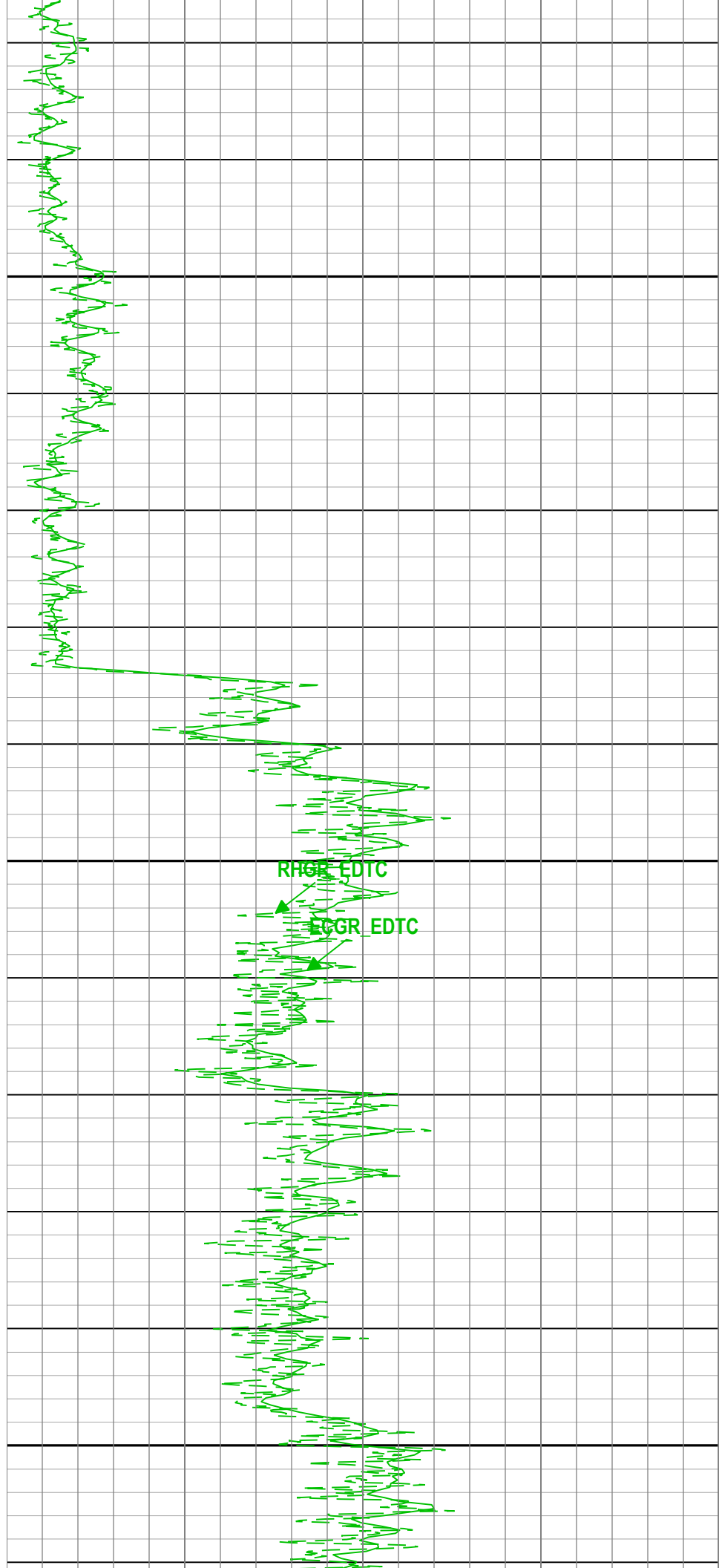
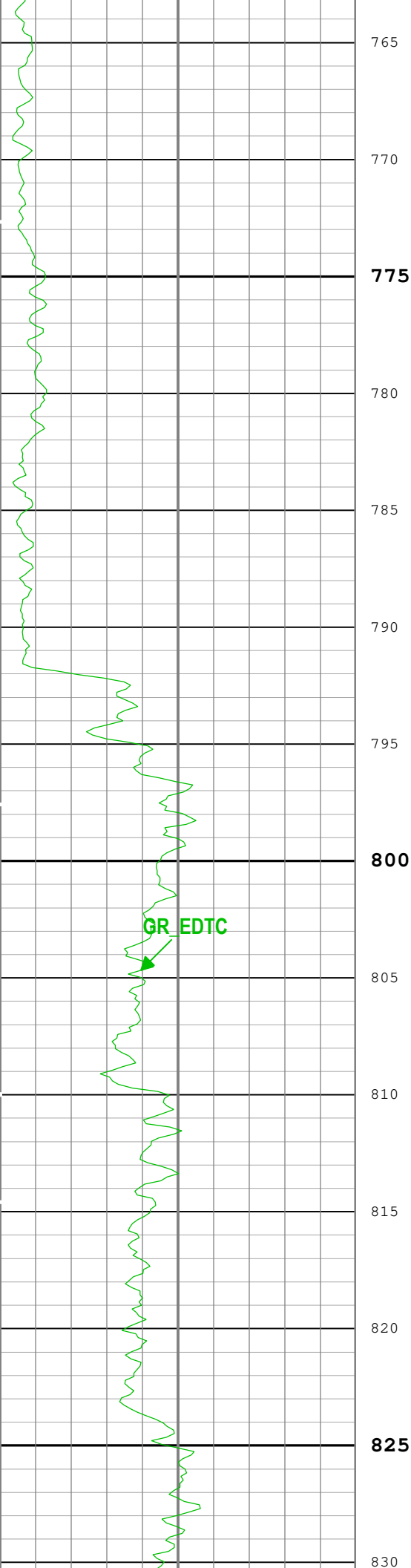
All depths are referenced to toolstring zero

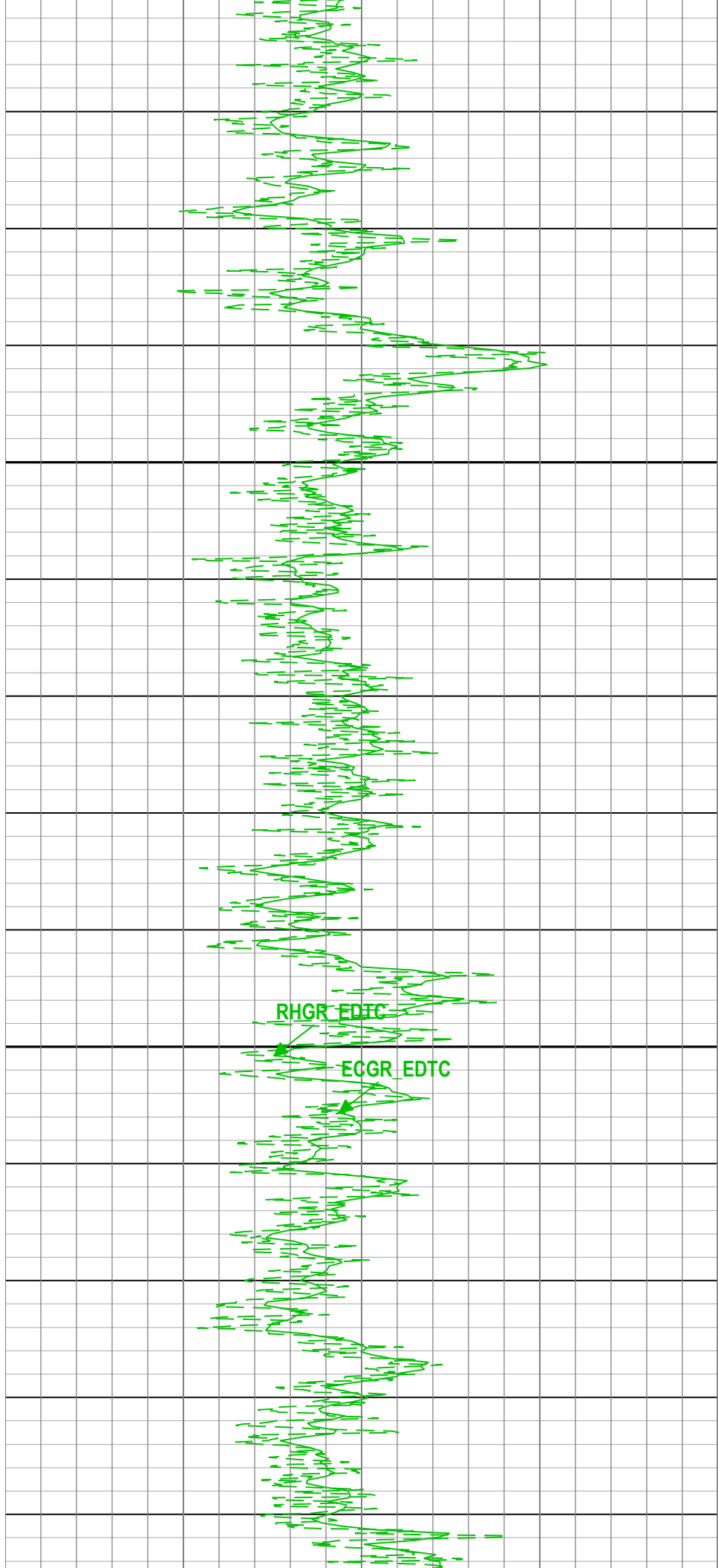
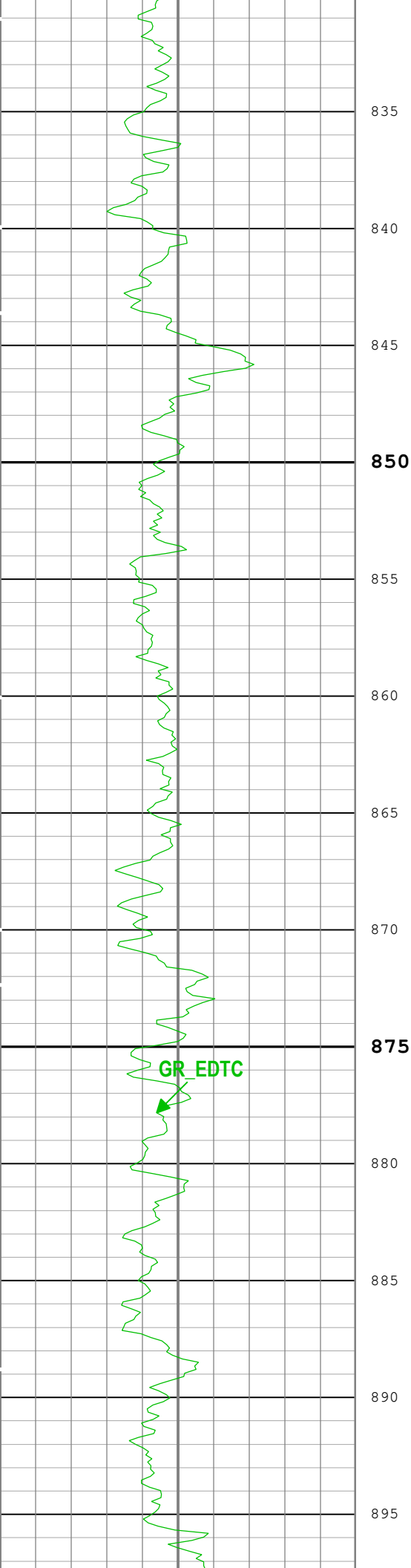
Log	Company:International Ocean Discovery Program	Well:Expedition 400, Site U1607A
		R1D2: Log[3]:Up:S006

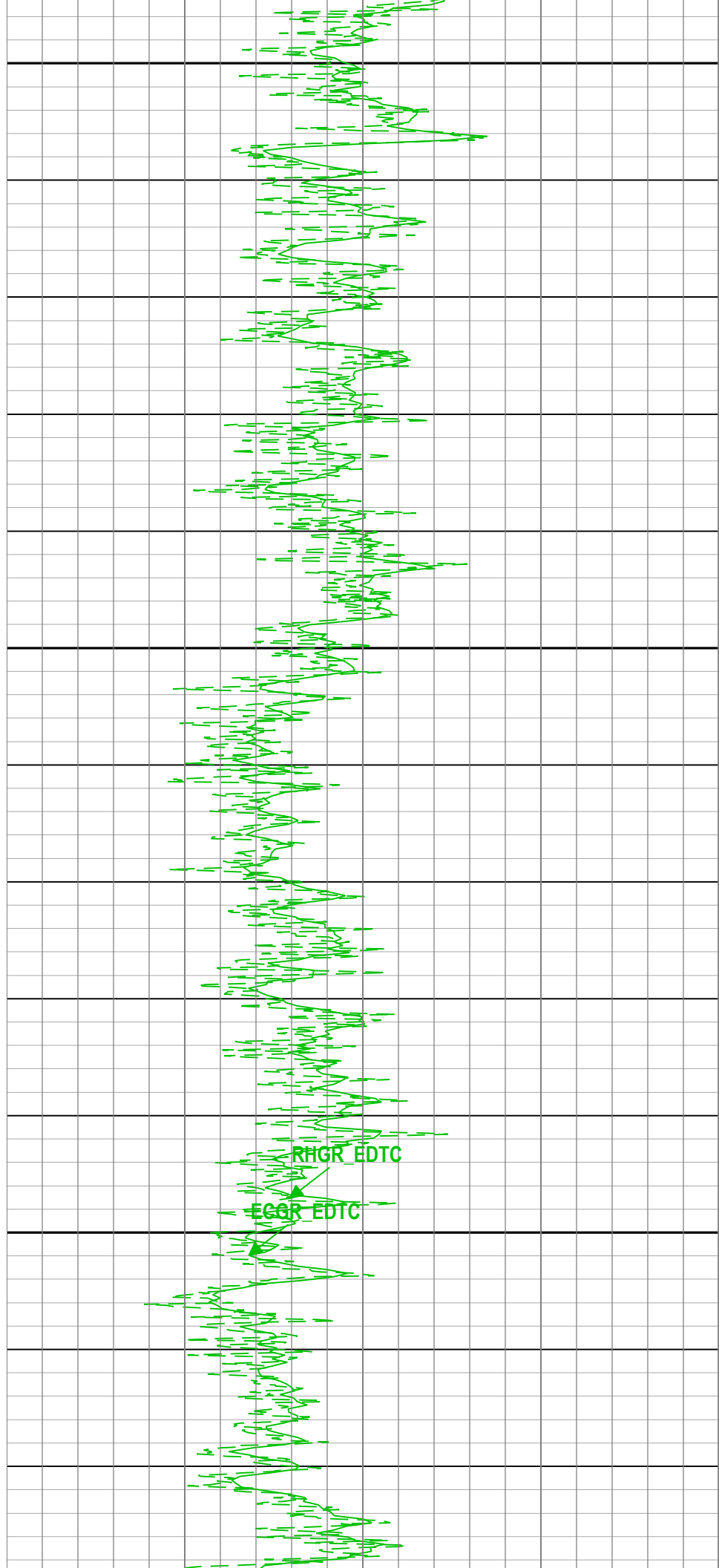
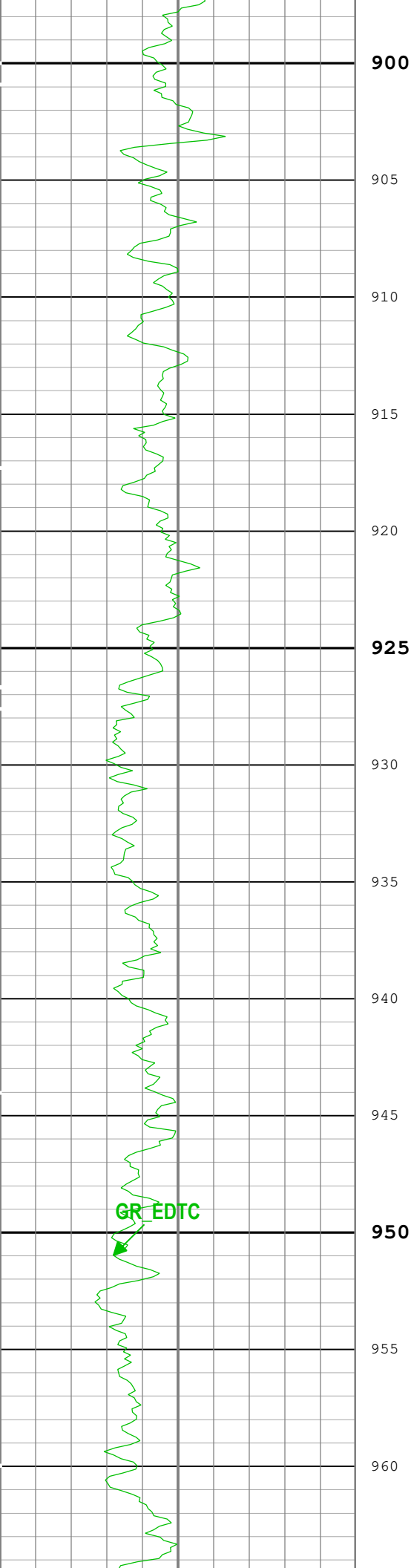
Description: DEPTH Domain Log for EDTCB GR channels Format: Log (EDTCB GR_1) Index Scale: 1:240 Index Unit: m Index Type: Measured Depth
Creation Date: 26-Sep-2023 09:06:23

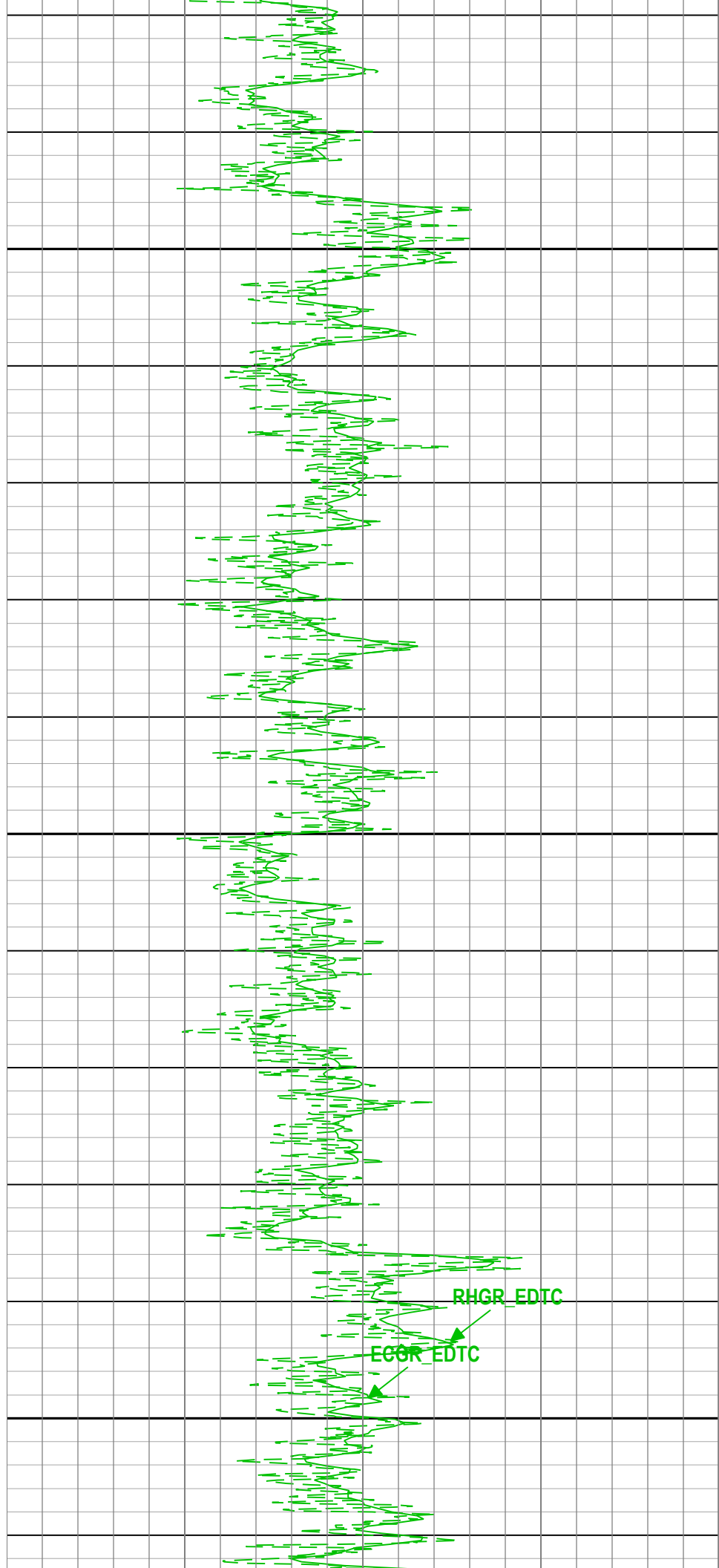
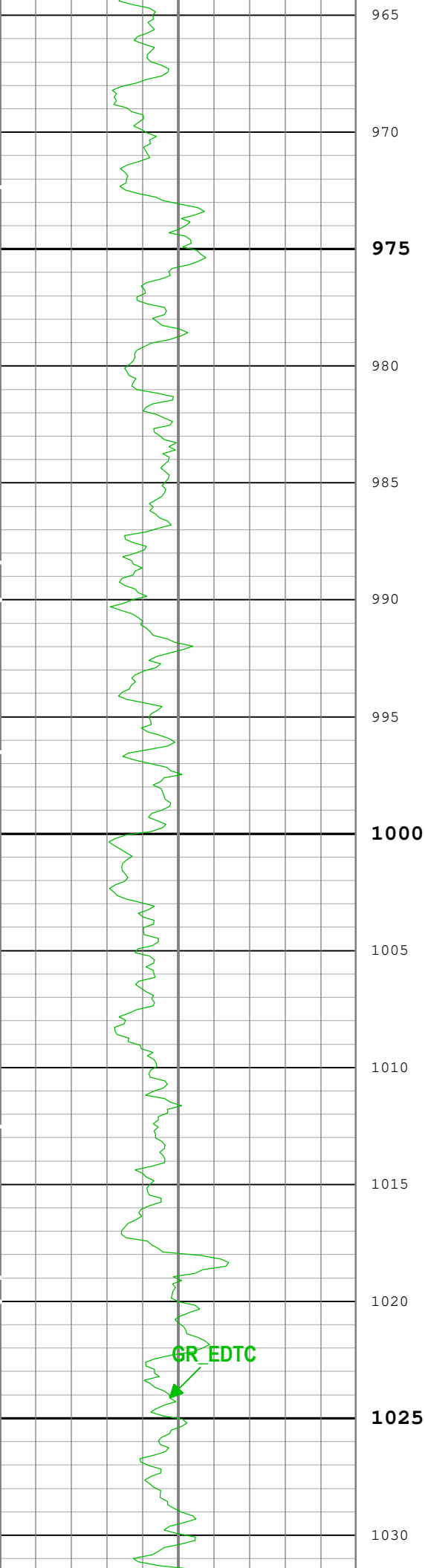
TIME_1900 - Time Marked every 60.00 (s)

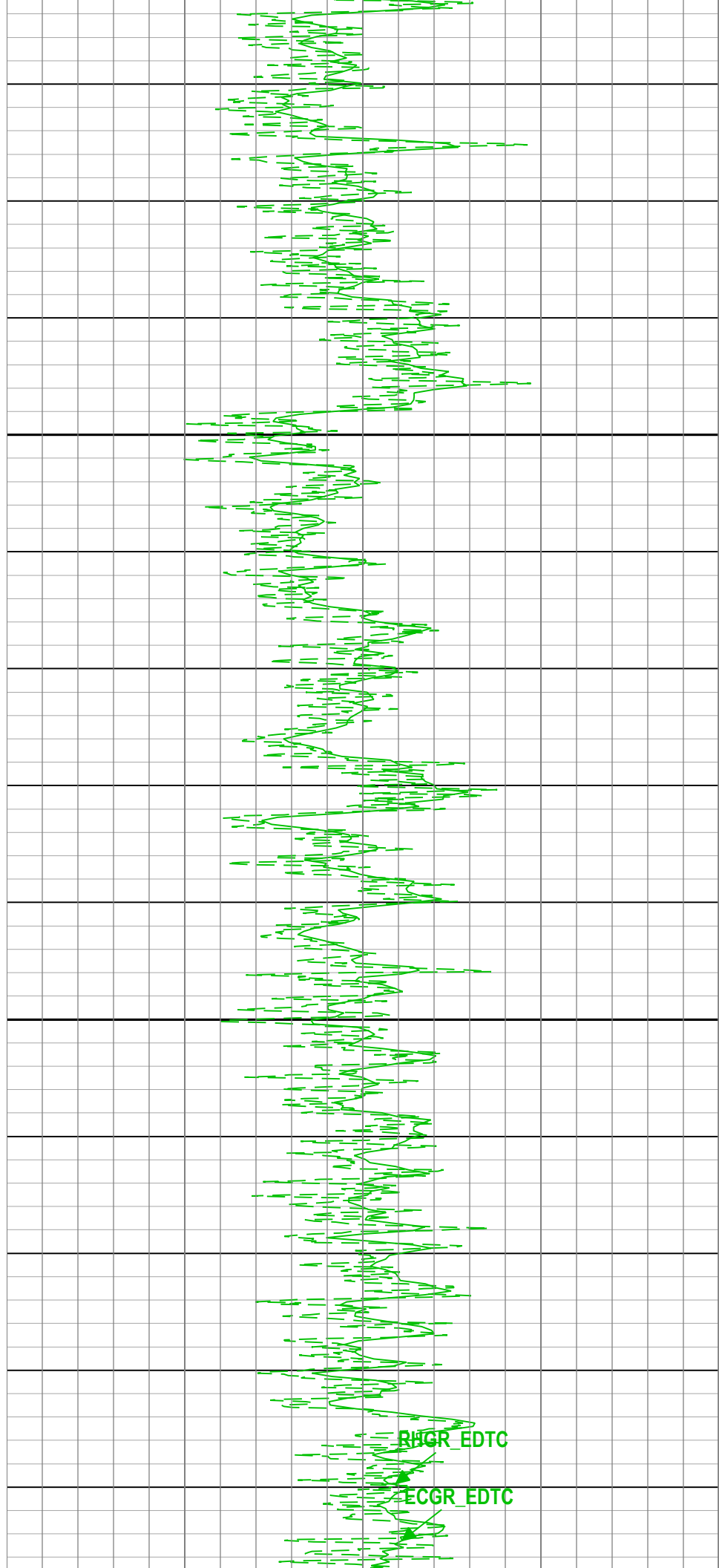
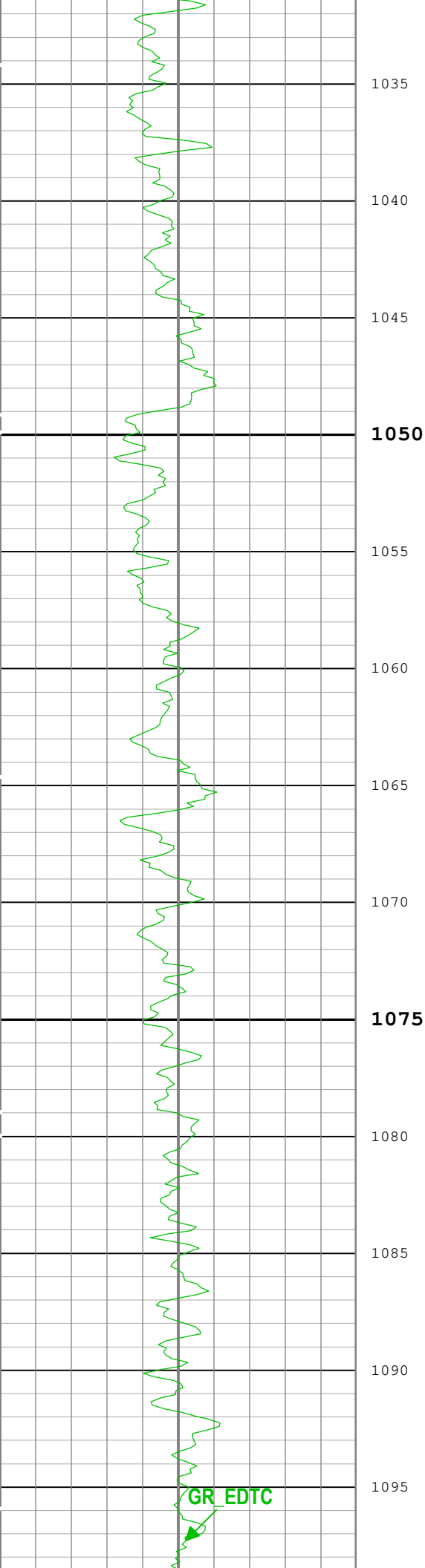


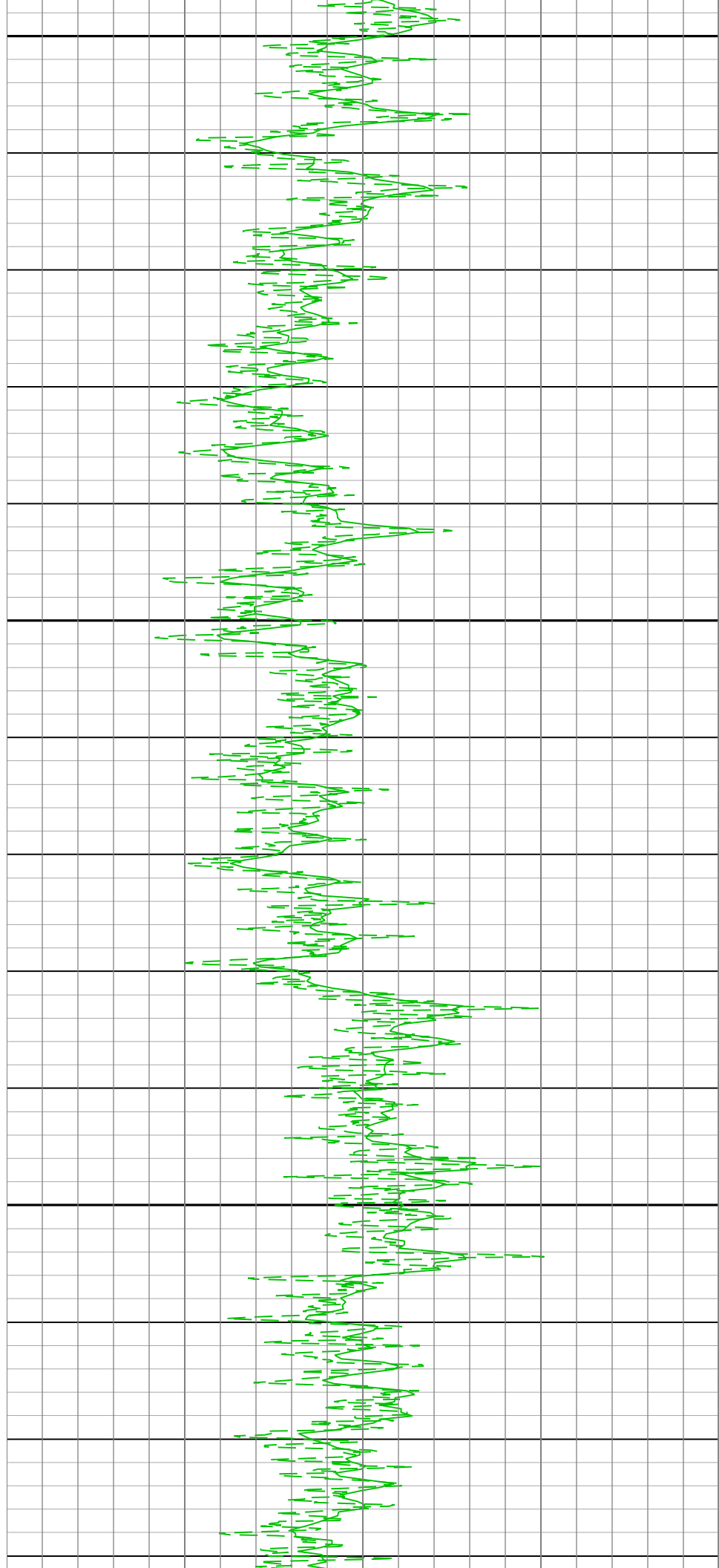
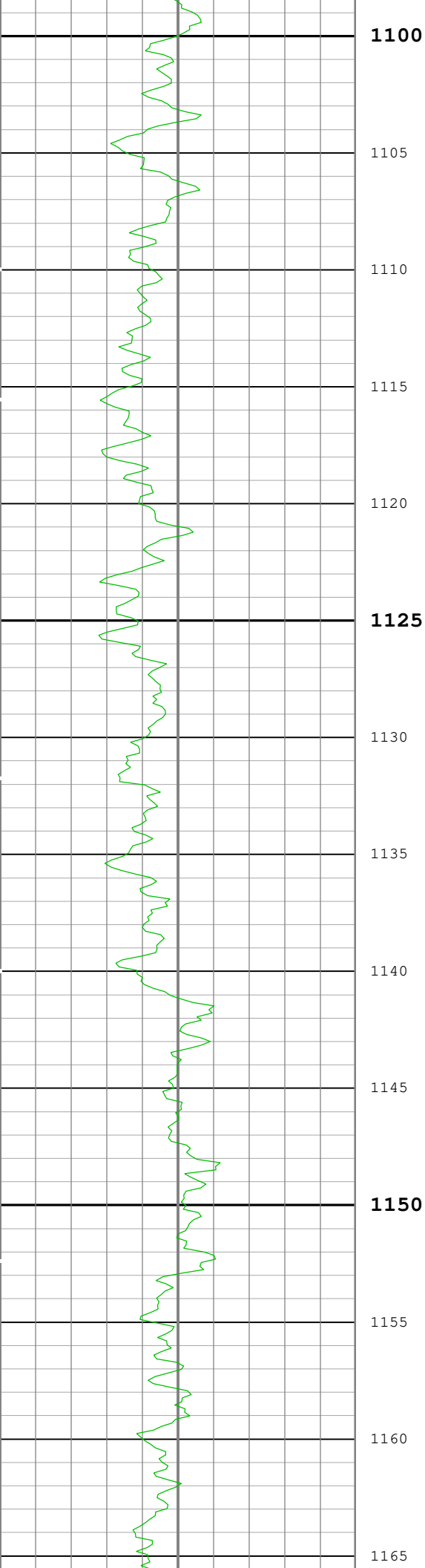


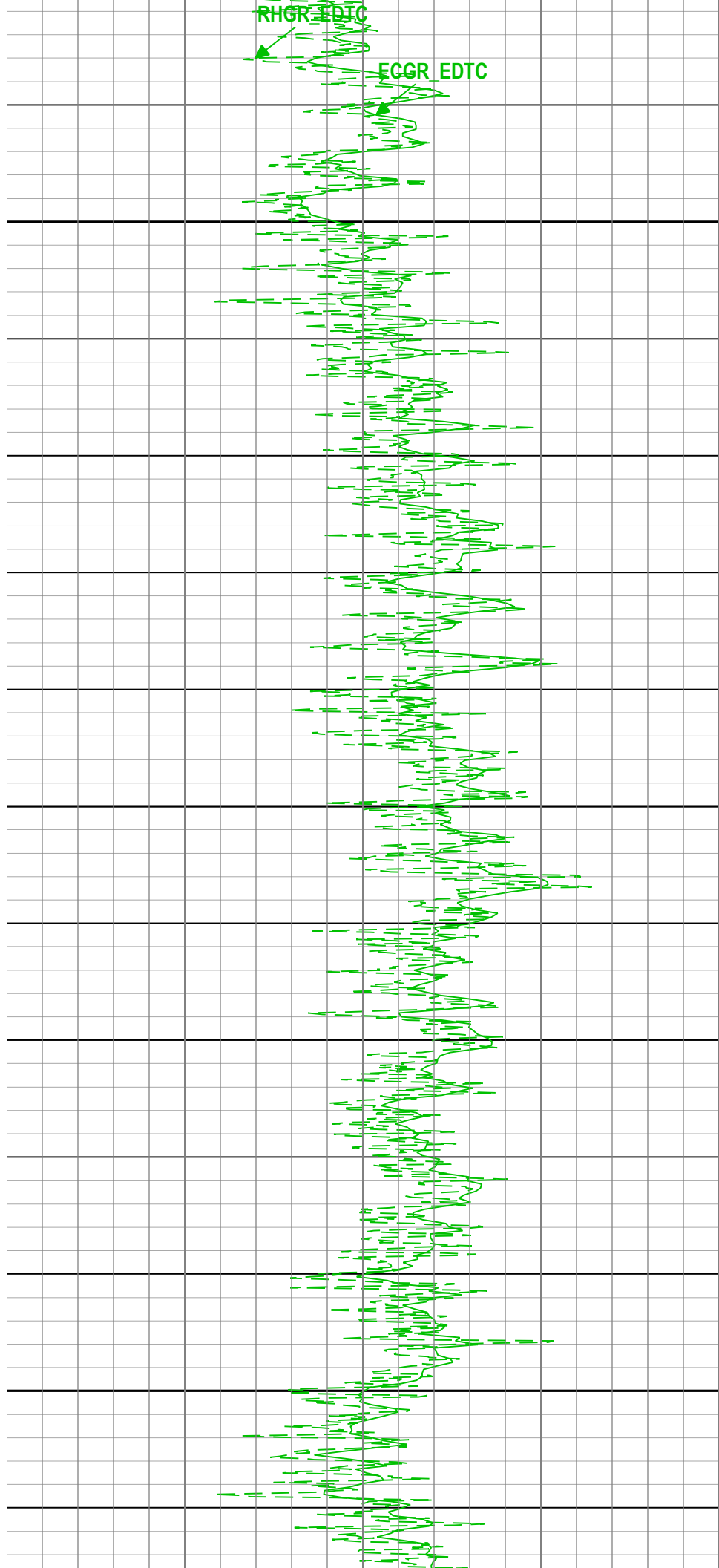
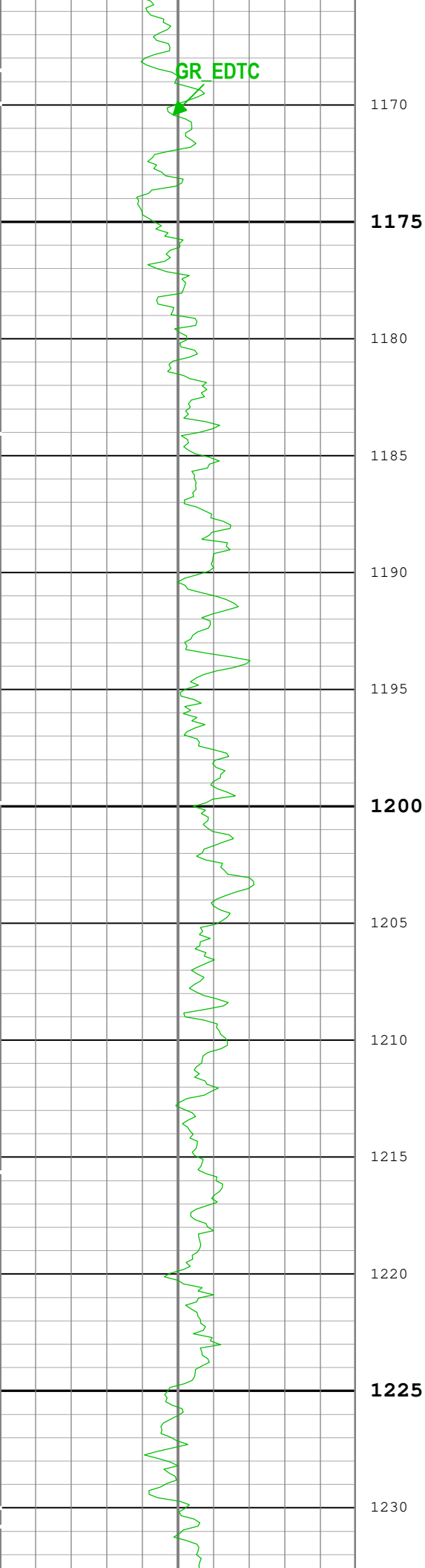


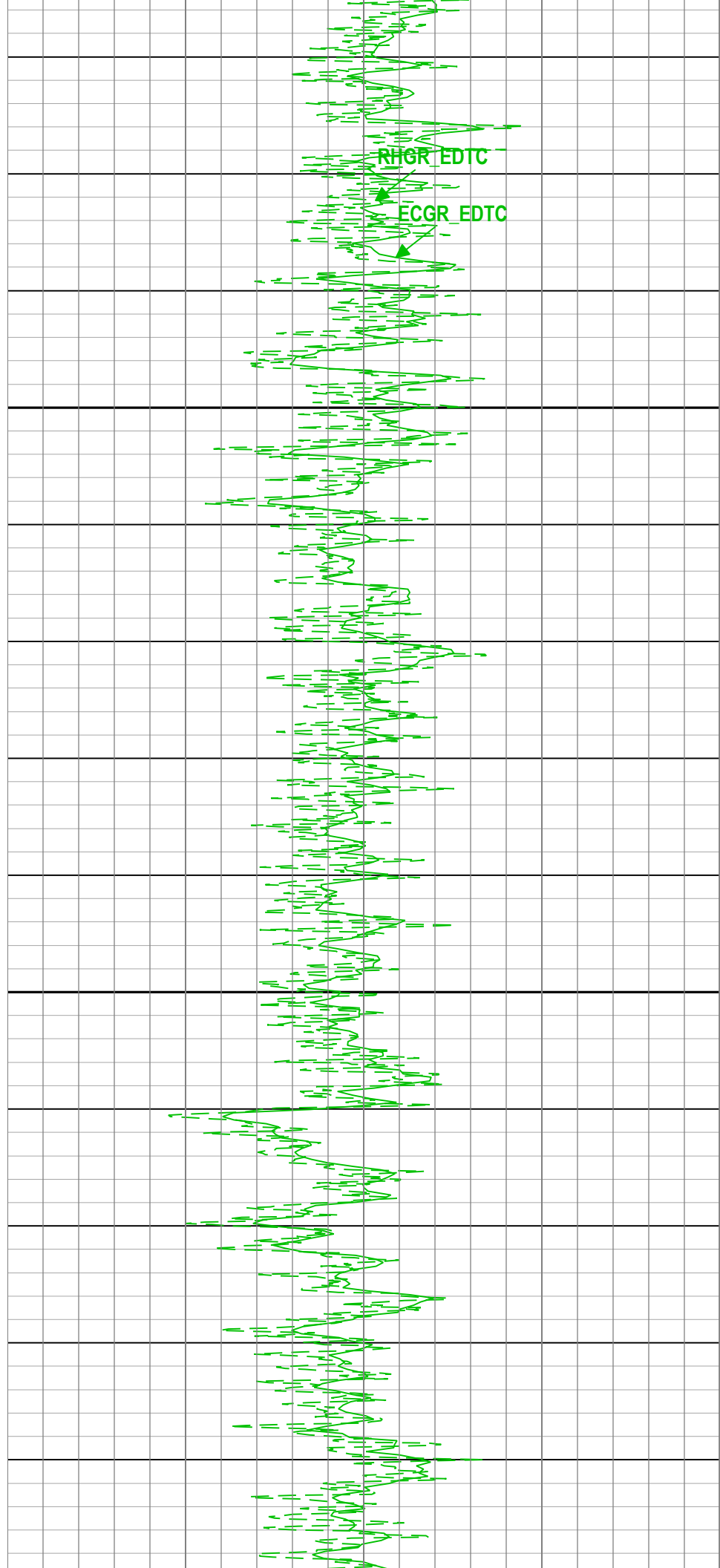
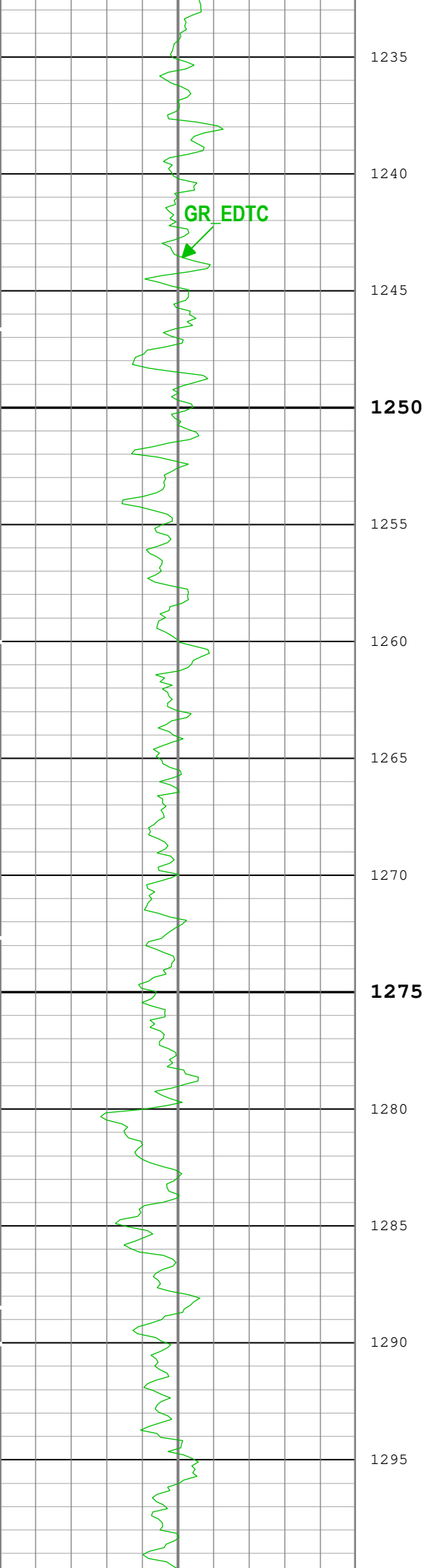


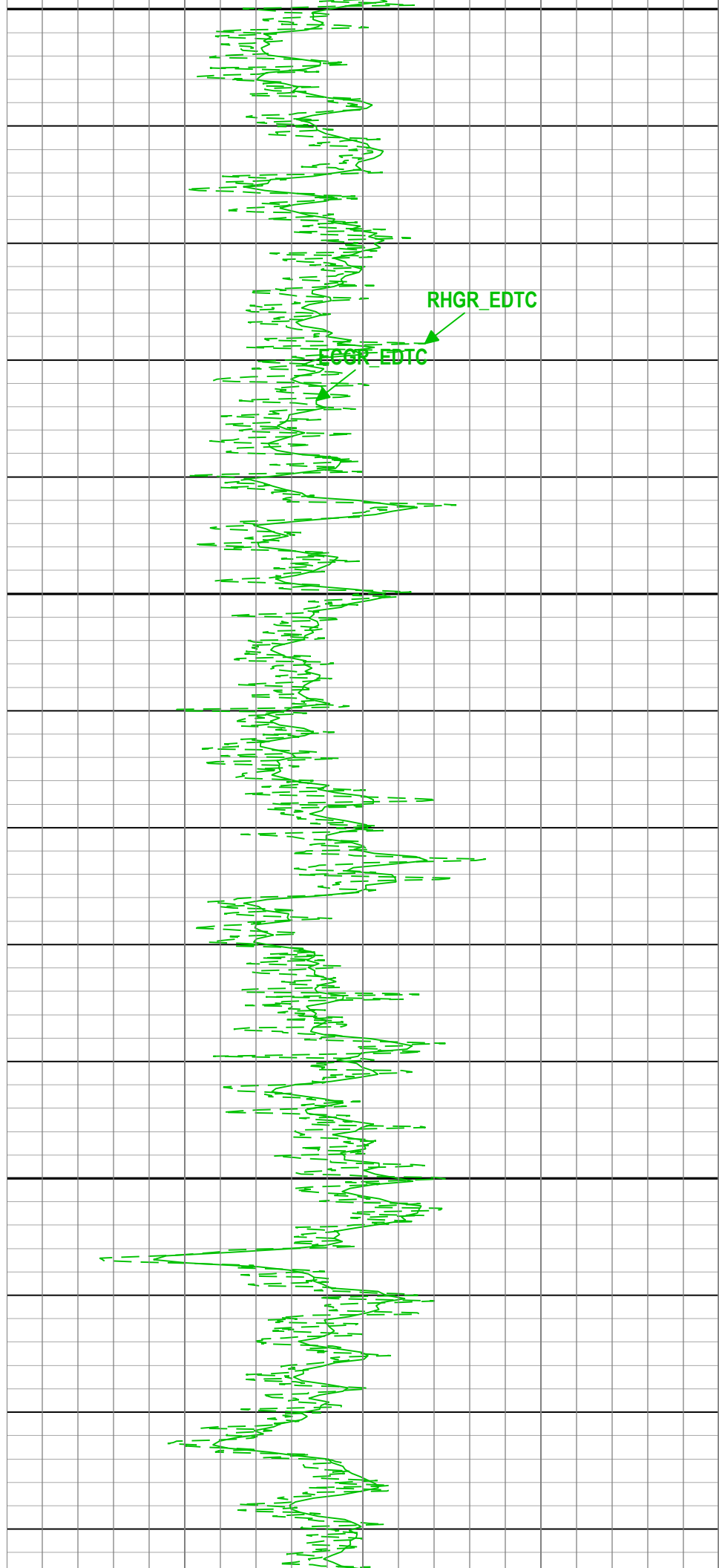
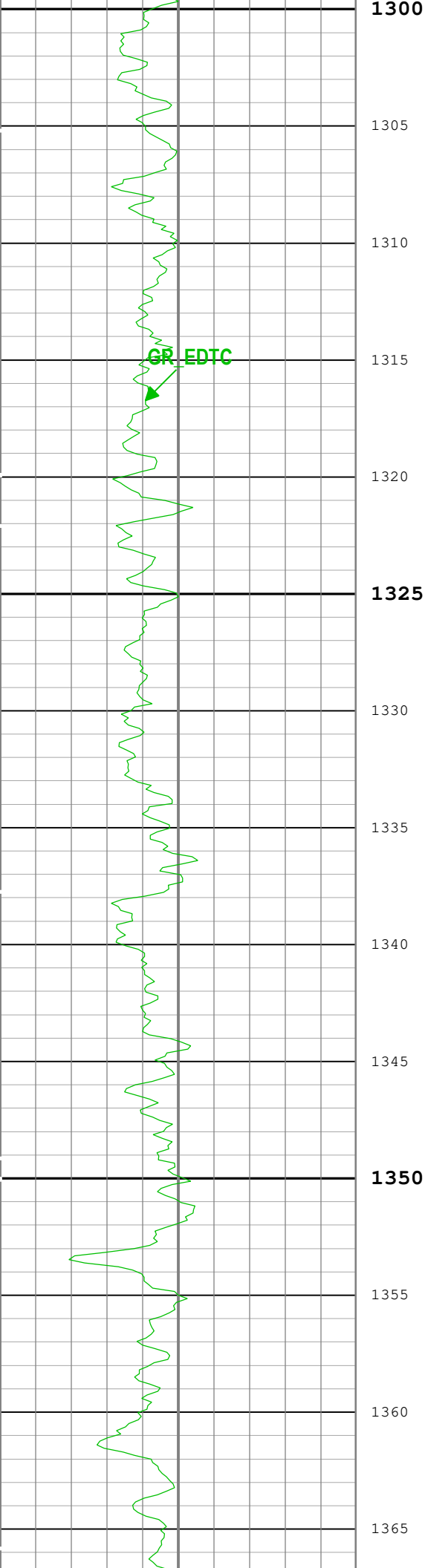


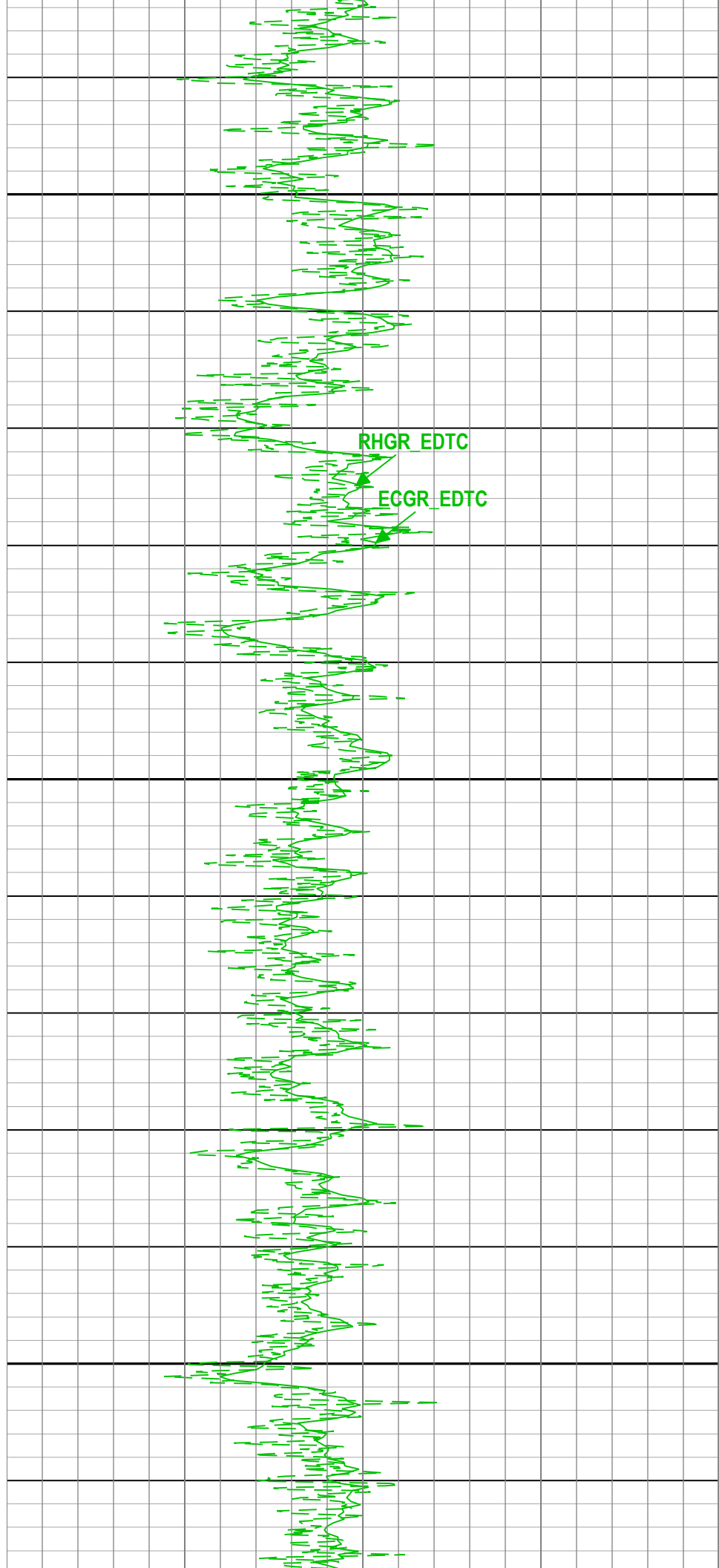
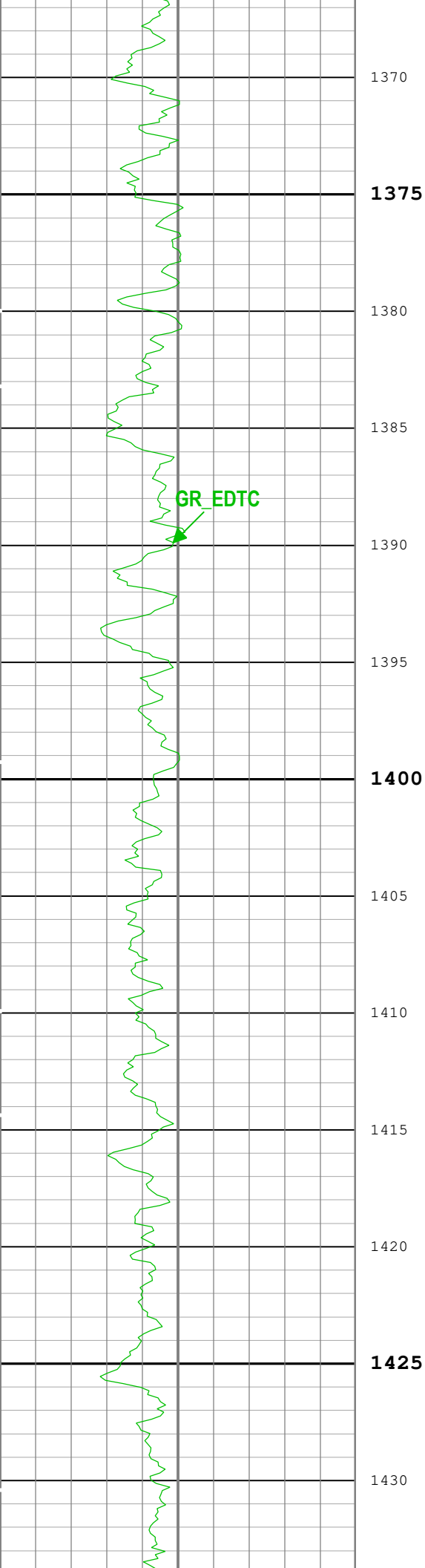


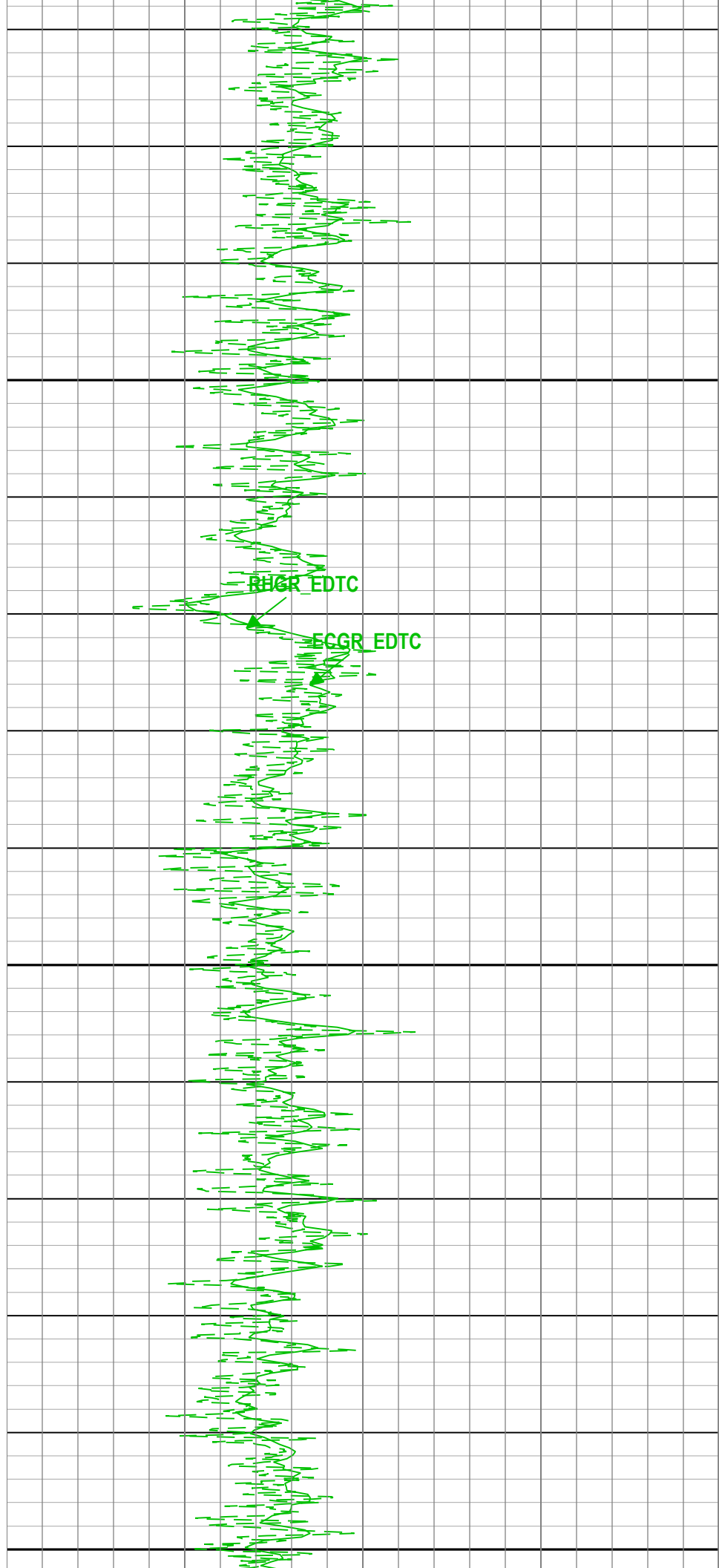
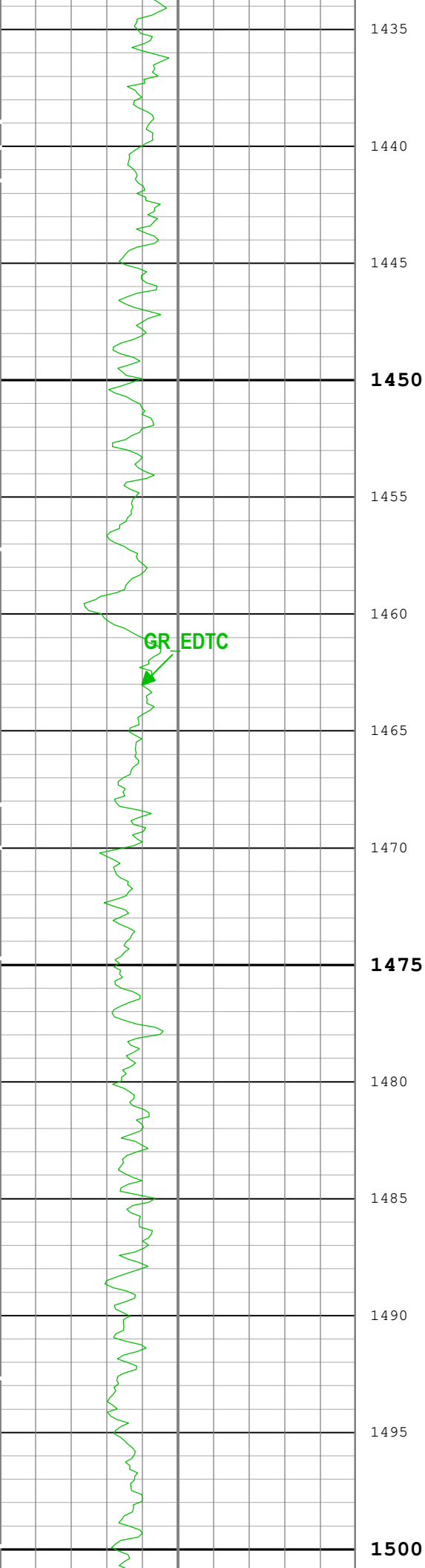


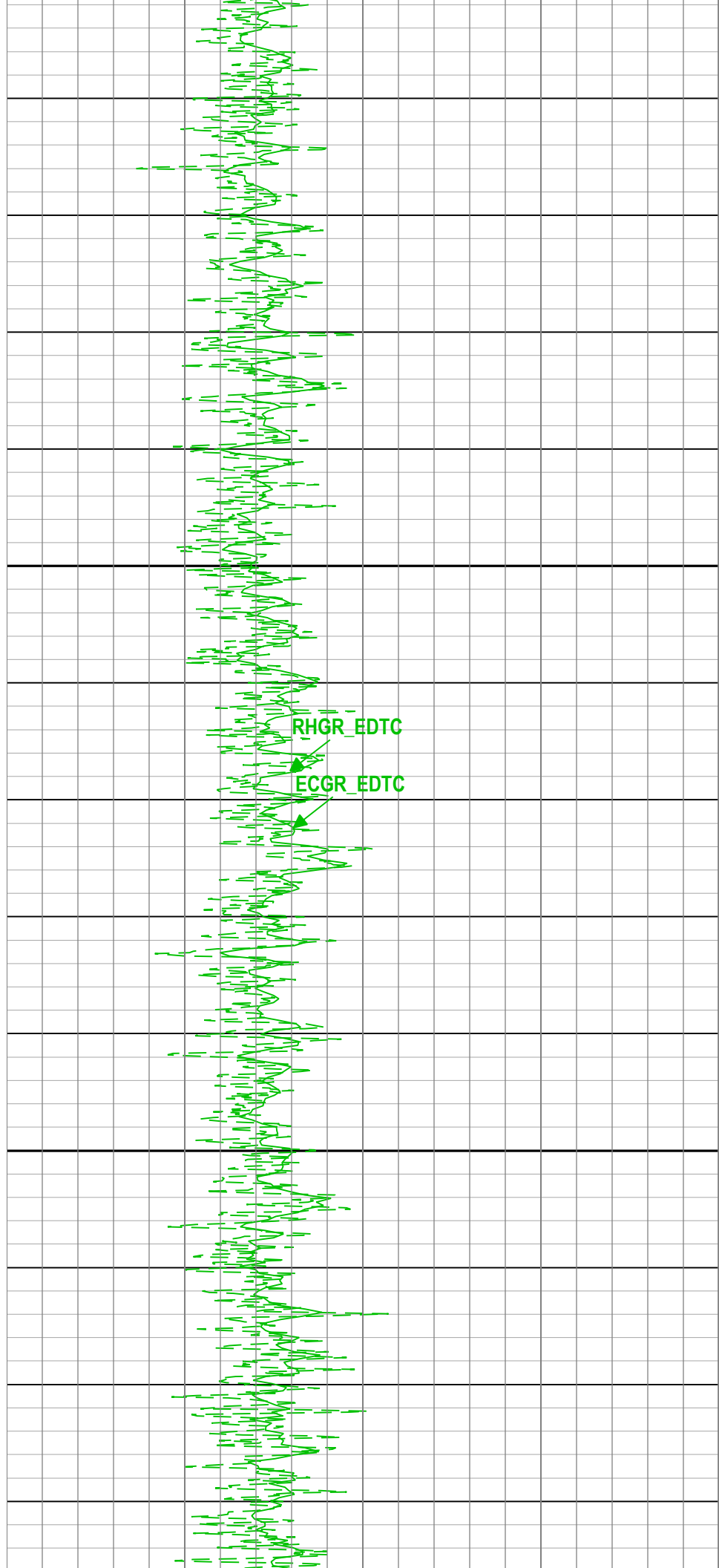
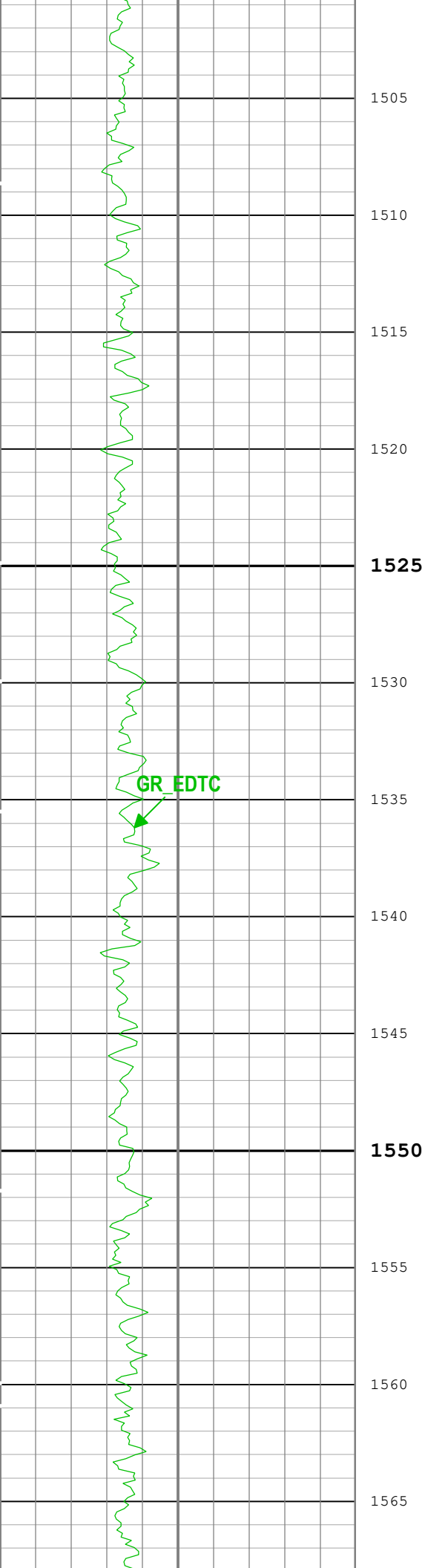


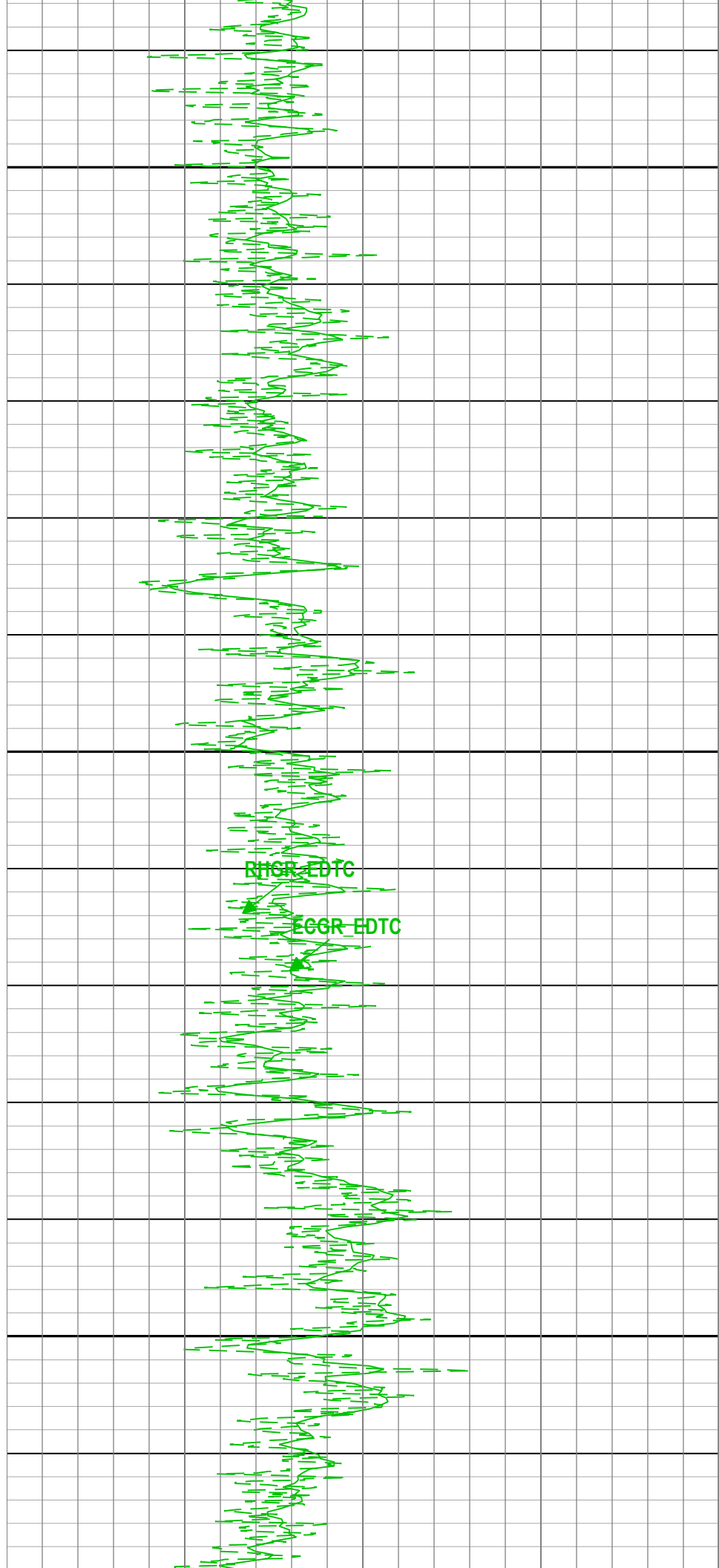
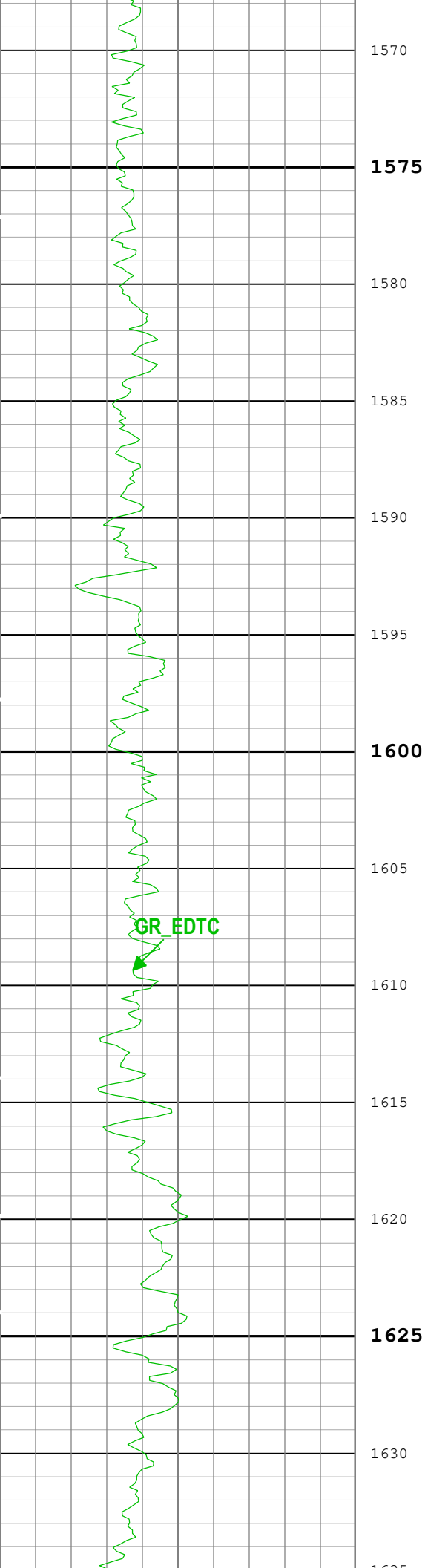


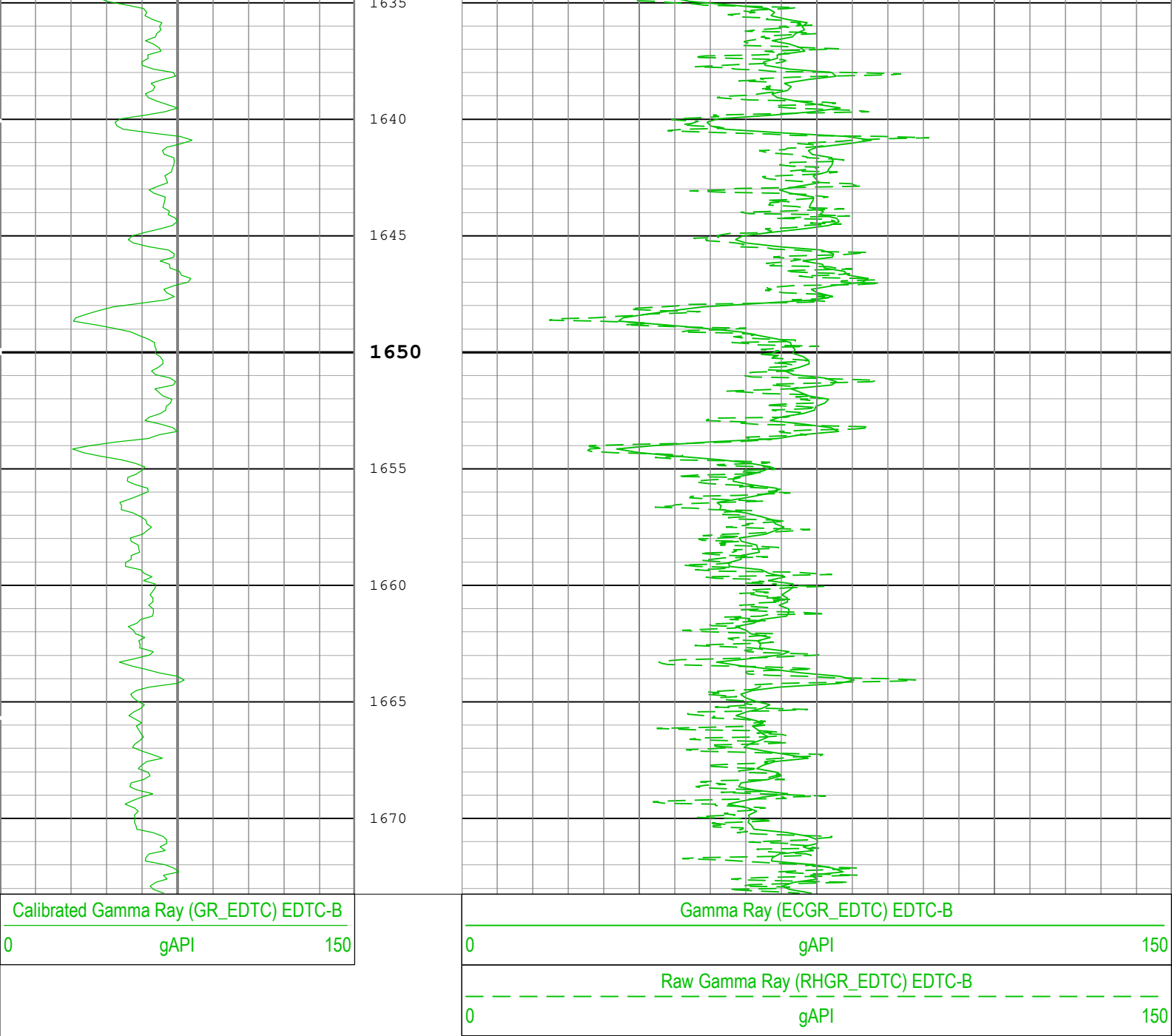












TIME_1900 - Time Marked every 60.00 (s)

Description: DEPTH Domain Log for EDTCB GR channels Format: Log (EDTCB GR_1) Index Scale: 1:240 Index Unit: m Index Type: Measured Depth
Creation Date: 26-Sep-2023 09:06:23

Channel Processing Parameters				
R1D2: Parameters				
Parameter	Description	Tool	Value	Unit
BARI(ISSBAR)	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BS	Bit Size	WLSESSION	9.875	in
CBLO	Casing Bottom (Logger)	WLSESSION	0	m
CDEN	Cement Density	EDTC-B	2	g/cm3
DFD	Drilling Fluid Density	Borehole	1.2	g/cm3
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS(RT)	
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	BS(RT)	

Tool Control Parameters	
Calibration Report	

EDTC-B (Enhanced Digital Telemetry Cartridge - Version B) Calibration - Run R1D2

Primary Equipment :

EDTC-B

EDTC-B

8529

Calibration Parameter :

Plus Reference

EDTC-B Accelerometer Calibration - EDTC-B Accelerometer Calibration

Before (Measured): 10:27:22 25-Sep-2023

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement	m/s2	Before	9.810	9.610	9.817	10.010	

EDTC-B Memory Data - EDTC-B Memory Data

Master (EEPROM): 10:26:38 25-Sep-2023

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Initial PMT HV	V	Master			1603.000		
Accelerometer Serial Number		Master			597		
Accelerometer Coefficients - 0		Master	----	----	3.044E+000	----	
Accelerometer Coefficients - 1		Master	----	----	2.797E-004	----	
Accelerometer Coefficients - 2		Master	----	----	4.282E-007	----	
Accelerometer Coefficients - 3		Master	----	----	-5.015E-008	----	
Accelerometer Coefficients - 4		Master	----	----	1.220E-009	----	
Accelerometer Coefficients - 5		Master	----	----	-9.250E-012	----	
Accelerometer Coefficients - 6		Master	----	----	2.374E-014	----	
Accelerometer Coefficients - 7		Master	----	----	-9.981E-003	----	
Accelerometer Coefficients - 8		Master	----	----	7.019E-005	----	
Accelerometer Coefficients - 9		Master	----	----	-7.261E-008	----	
Accelerometer Coefficients - 10		Master	----	----	-4.301E-010	----	
Accelerometer Coefficients - 11		Master	----	----	1.652E-012	----	
Gamma-Ray Detector Serial Number		Master			7693		

EDTC-B Gamma-Ray Calibration - Gamma Ray Coefficients

Before: After:

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Gain		Before	1.000	0.900	NOT DONE	1.100	
		After	----	----	----	----	
		After-Before	----	----	----	----	

EDTC-B Gamma-Ray Calibration - Gamma Ray Accumulations

Before: After:

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RGR Zero Measurement - 0	gAPI	Before	----	----	----	----	
		After	----	----	----	----	
		After-Before	----	----	----	----	
RGR Plus Measurement	gAPI	Before			NOT DONE		
		After			NOT DONE		
		After-Before	----	----	----	----	

LEH-QT (Logging Equipment Head - QT, 3-3/8 inch 31 pin HPHT with Tension Sensor) Calibration - Run R1D2

Primary Equipment :

Logging Equipment Head - QT, 3-3/8 inch 31 pin HPHT with
Tension Sensor

LEH-QT

301

HTEN Master Calibration - HTEN Master Calibration

Master:

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
HTEN Shop Gain		Master	1.000	0.800	NOT DONE	4.500	
HTEN Shop Offset	lbf	Master	0	-1000.000	NOT DONE	1000.000	

HTEN Before Calibration - HTEN Before Calibration

Before:

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
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RHTE Zero Measurement - 0	lbf	Before	----	----	----	----		
RHTE Plus Measurement - 0	lbf	Before	----	----	----	----		
HTEN Gain - 0		Before	----	----	----	----		
HTEN Offset - 0	lbf	Before	----	----	----	----		

Company:	International Ocean Discovery Program	Schlumberger
Well:	Expedition 400, Site U1607A	
Field:	NW Greenland Glaciated Margin	
RIG:	JOIDES Resolution	
Country:	Greenland	

Vertical Seismic Profile (VSP)
EDTC: GR
RCB/MBR