

Schlumberger

VISION Resistivity

1:200 Measured Depth

Recorded Mode Data

Company: ROC Oil

Well: Basker 7

Field: Gippsland Basin

Rig Name: Ocean Patriot

State: Victoria

Country: AUSTRALIA

Latitude: 38° 17' 58.78" S

Longitude: 148° 42' 22.31" E

Block:

FL: Gippsland Basin

FL1: VIC/L26

FL2:

Custom: 09ASQ0007

Rig Name: Ocean Patriot

Rig Type: Semi-Submersible

Log Measured From - Drill Floor: 21.5 m
Permanent Datum - Mean Sea Level



Casing Flange: 152.7 m

Ground Level: 154.2 m

Acquisition Dates: 26 Jul 09 to 29 Jul 09

Print Interval: 1050.0(m) to 2918.6(m)

Index Types: Measured Depth

Index Scales: 1:200

Depth Source: Driller Depth

Depth Sensor: DES

Conveyance: Drill Pipe

Print Type: Field

Spud Date:

Other Services:

Directional Surveys

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.

Contents

1. Header
2. Disclaimer
3. Contents
4. Run 3
 - 4.1 Software Version
 - 4.2 Pass Summary
 - 4.3 Log (ARC RM)
 - 4.4 Parameter Listing
5. Tail

Run 3

Software Version

Acquisition System		Version	
MaxWell		1.2.8702.0	
Application Patch		APL-SPC-DnMSuperKit-1.2.8702.1000	
Computation	Description	Version	
ARC8GammaRayComputation	ARC8 Gamma Ray Computation Package for both Real-time and Recorded Mode	1.2.8702.0	
ARCResistivity	ARC Resistivity Computation Package for ARC Tool Family	1.2.8702.0	
Tool Elements	Description	Software Version	Firmware Version
ARDC	ARC 8.25 Inch Tool Drilling Collar	1.2.8702.0	V9.4B
DRILLING_SURFACE	DRILLING_SURFACE	1.2.8702.0	

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Acquisition Start Date	Acquisition Start Time
Run 3	Drilling	Down	1027.73 m	2918.79 m	26-Jul-2009	15:32:43

All depths are referenced to toolstring zero

Log

Run 3: Drilling 15E746D0-31AC-427A-B9AB-BFF5284E2B17

Description: ARC Dual Frequency 3-Log Resistivity Format: Log (ARC RM) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 29-Jul-2009 12:55:29

A16H	ARC8:ARC8:ARDC	6in - RM
A22H	ARC8:ARC8:ARDC	6in - RM
A28H	ARC8:ARC8:ARDC	6in - RM
A34H	ARC8:ARC8:ARDC	6in - RM
A40H	ARC8:ARC8:ARDC	6in - RM
GR	ARC8:ARC8:ARDC	6in - RM
P16H	ARC8:ARC8:ARDC	6in - RM
P22H	ARC8:ARC8:ARDC	6in - RM
P28H	ARC8:ARC8:ARDC	6in - RM
P34H	ARC8:ARC8:ARDC	6in - RM
P40H	ARC8:ARC8:ARDC	6in - RM
ROP5	DRILLING_SURFACE	6in - RT
TAB_RES	ARC8:ARC8:ARDC	6in
TICKS_GR	ARC8:ARC8	1in - RM
TICKS_RES	ARC8:ARC8	1in - RM

┆ TICKS_GR - Gamma Ray Tick Marks

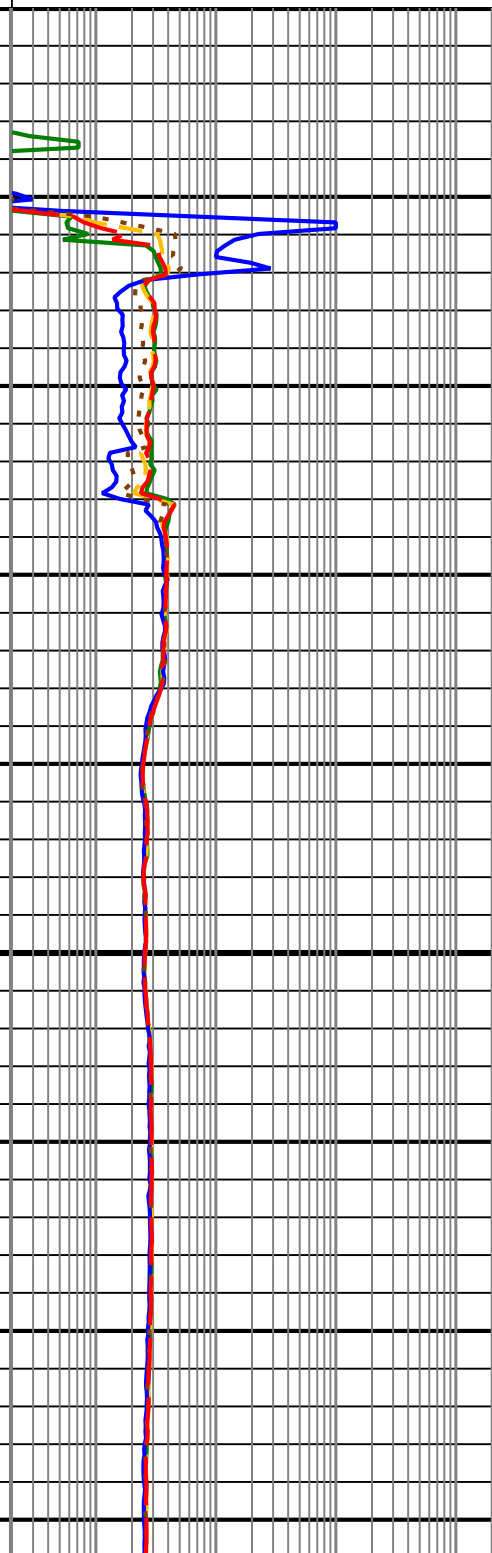
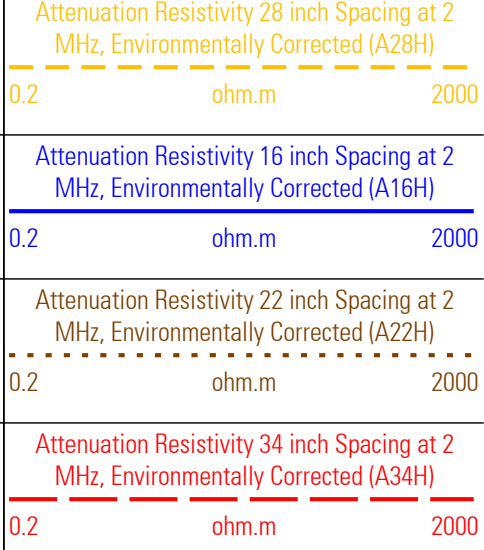
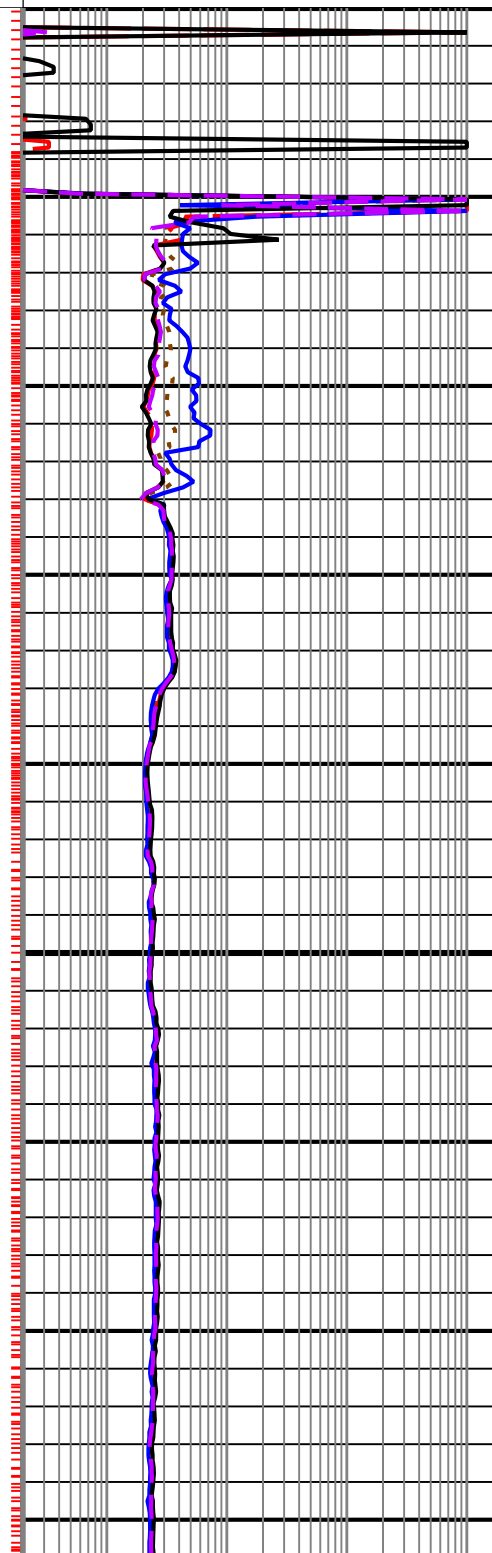
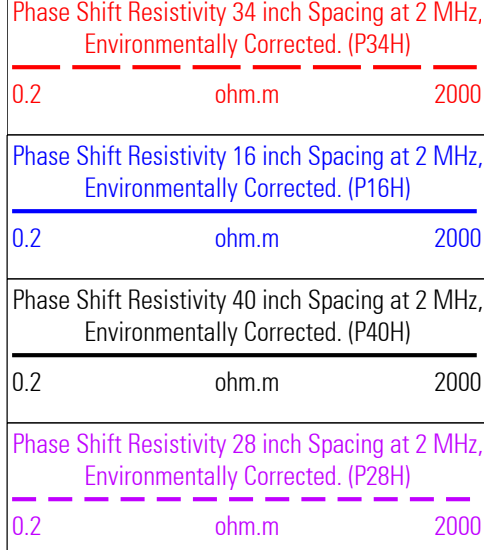
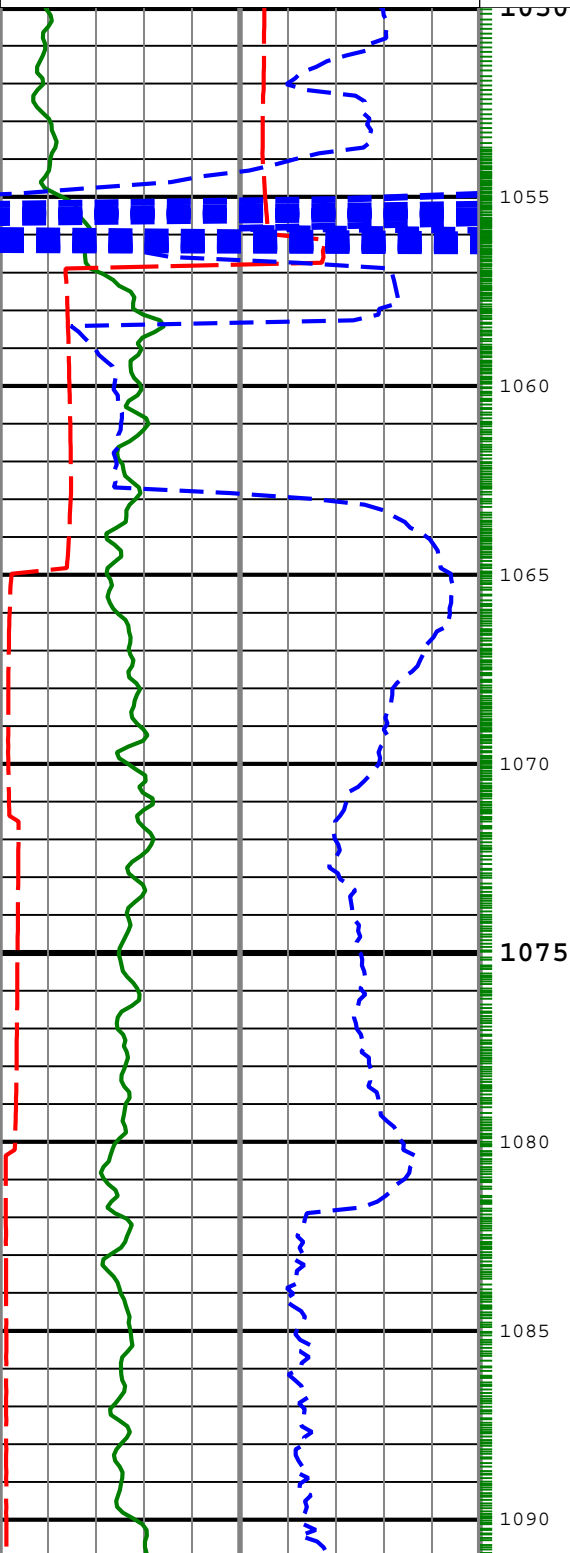
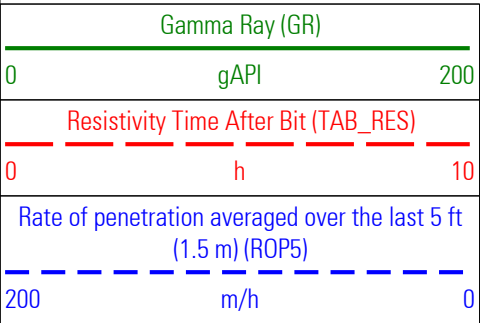
┆ TICKS_RES - Resistivity Tick Marks

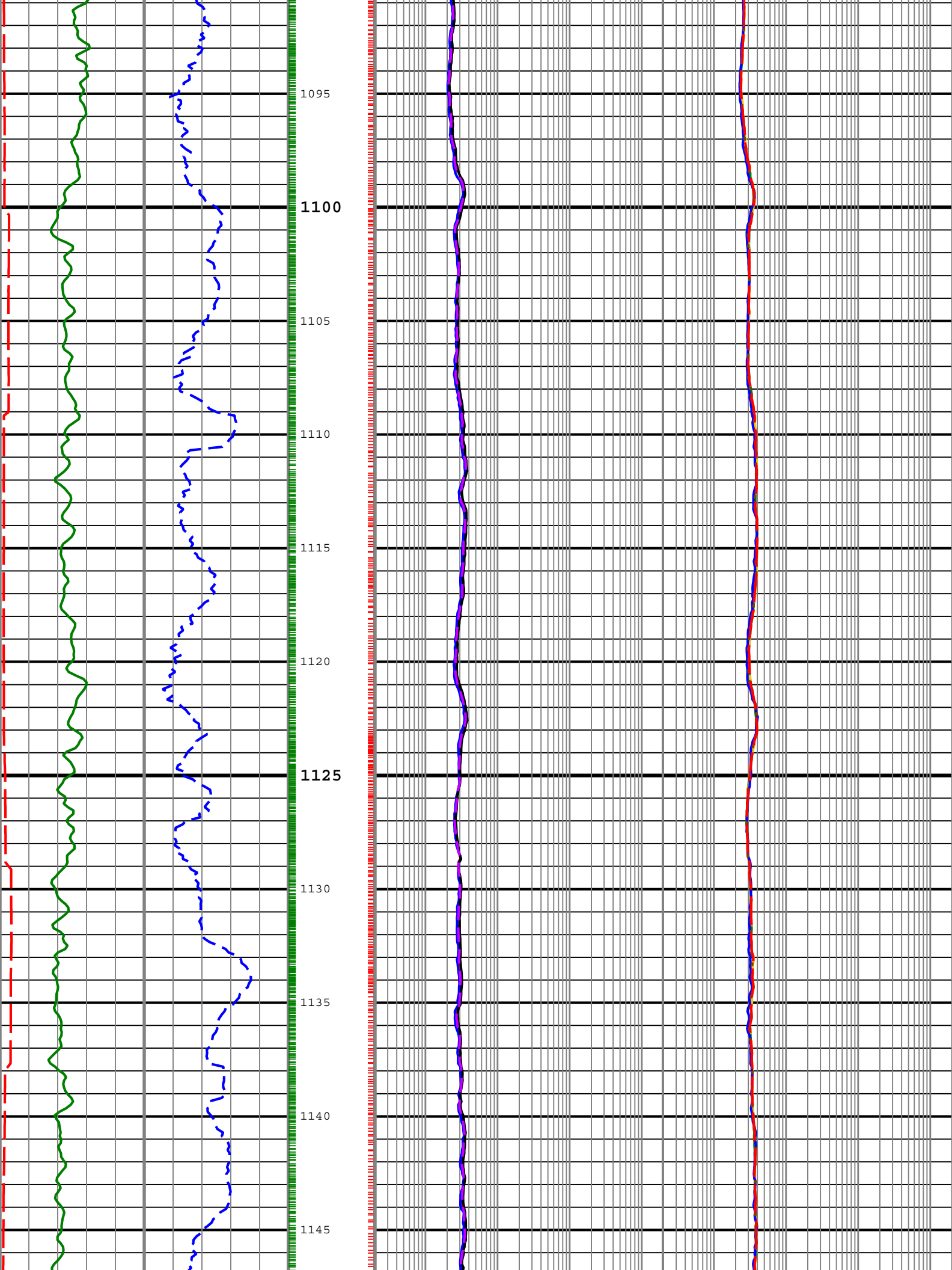
Phase Shift Resistivity 22 inch Spacing at 2 MHz,
Environmentally Corrected. (P22H)

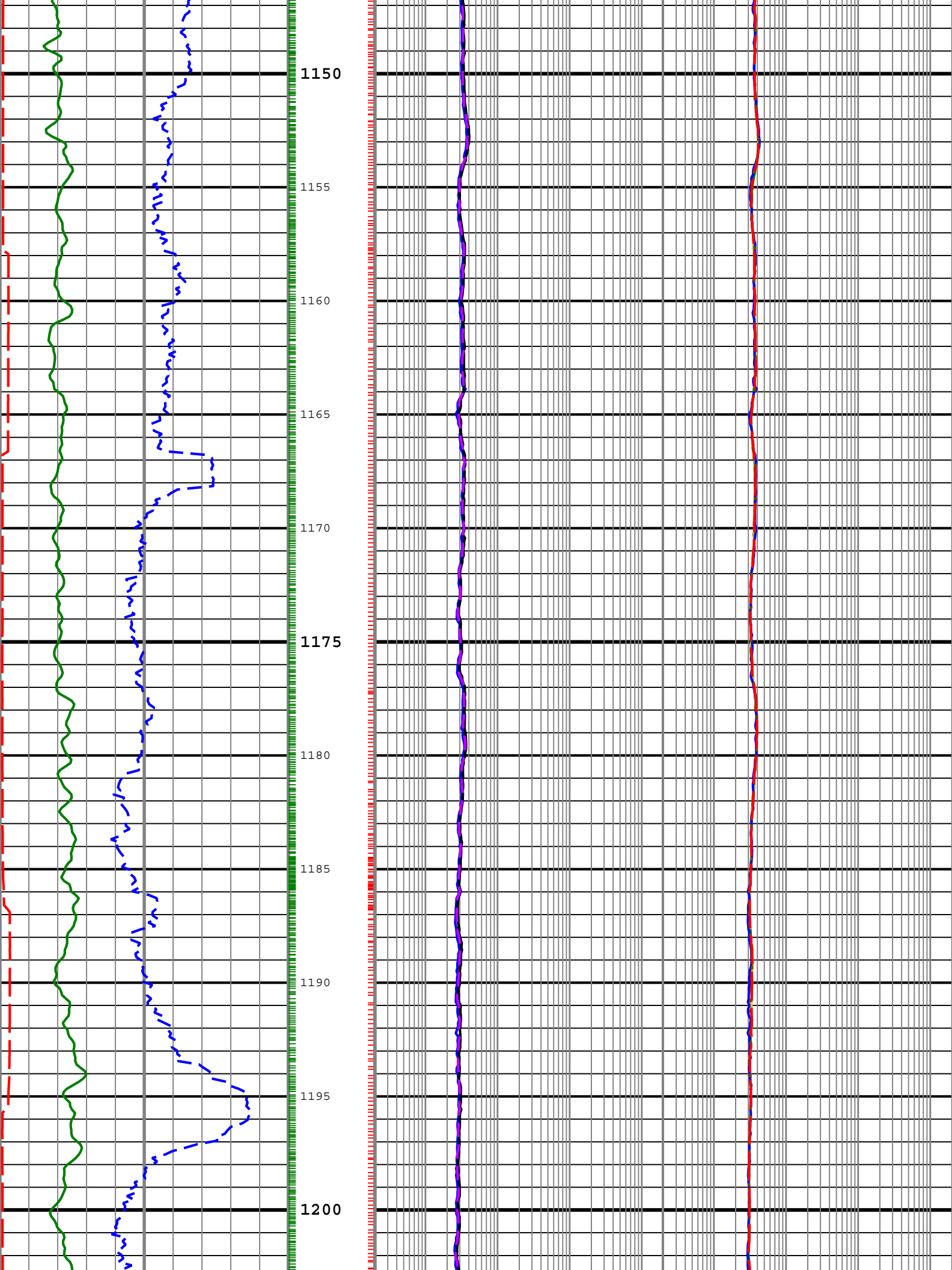
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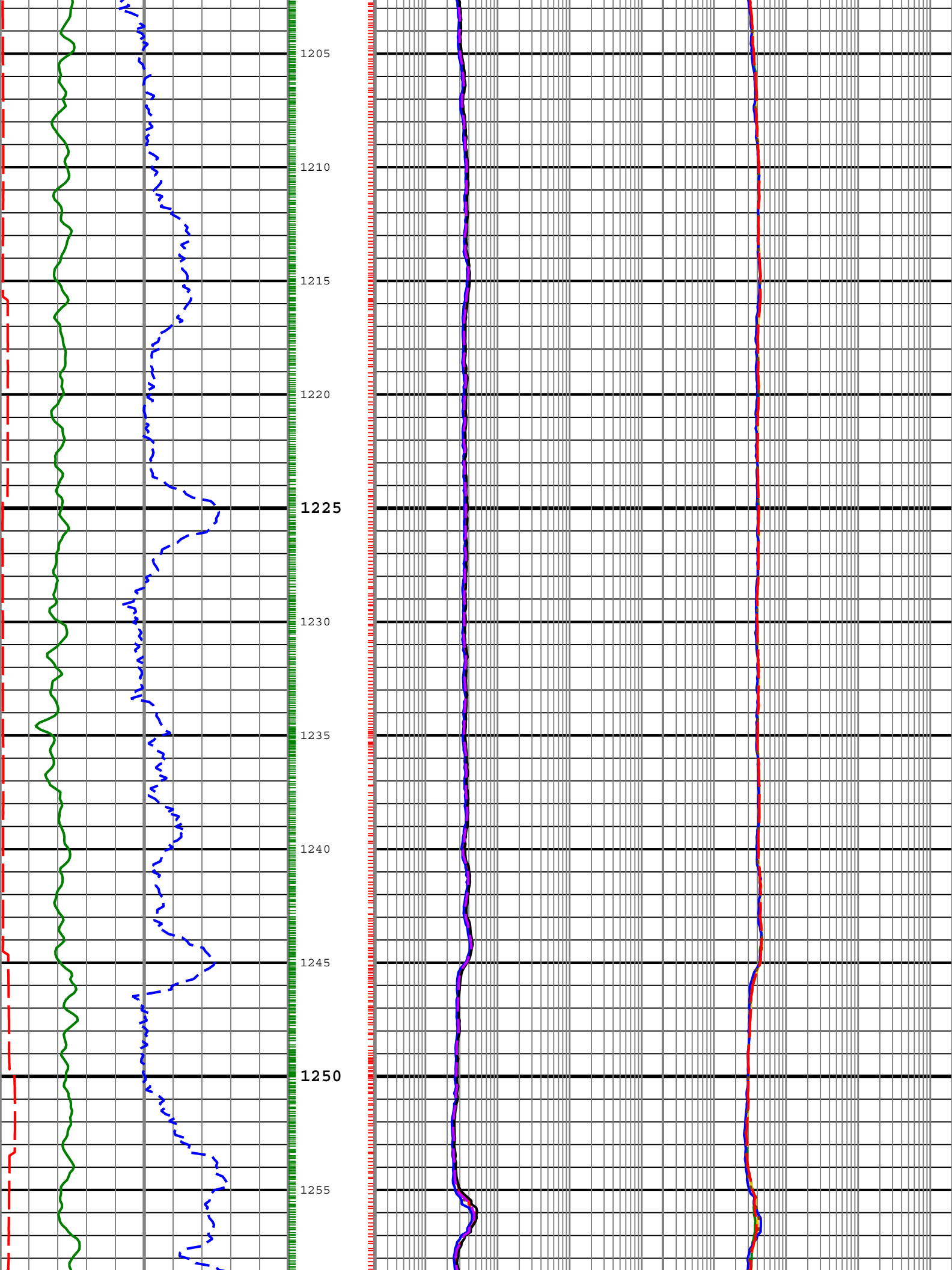
Attenuation Resistivity 40 inch Spacing at 2
MHz, Environmentally Corrected. (A40H)

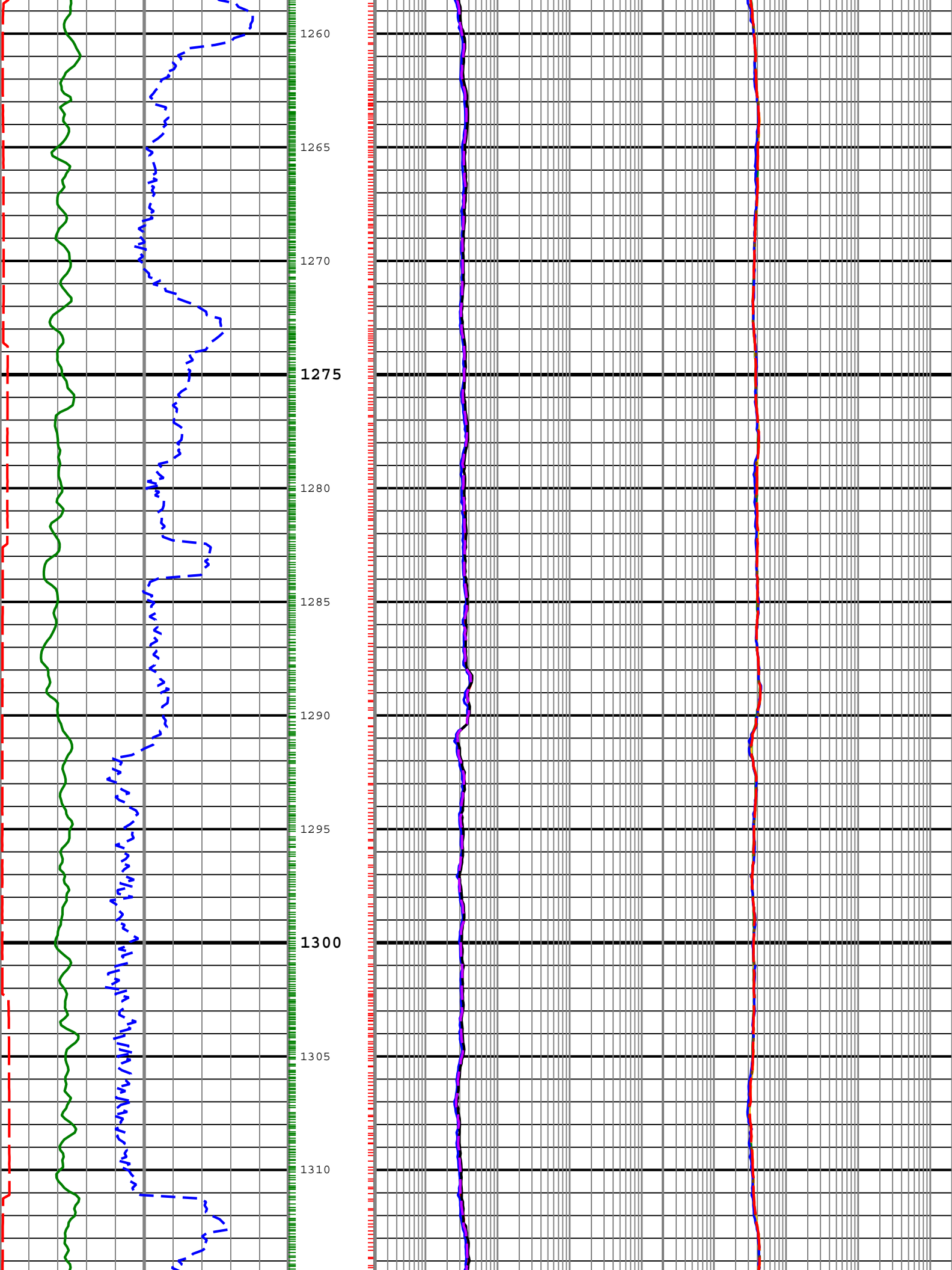
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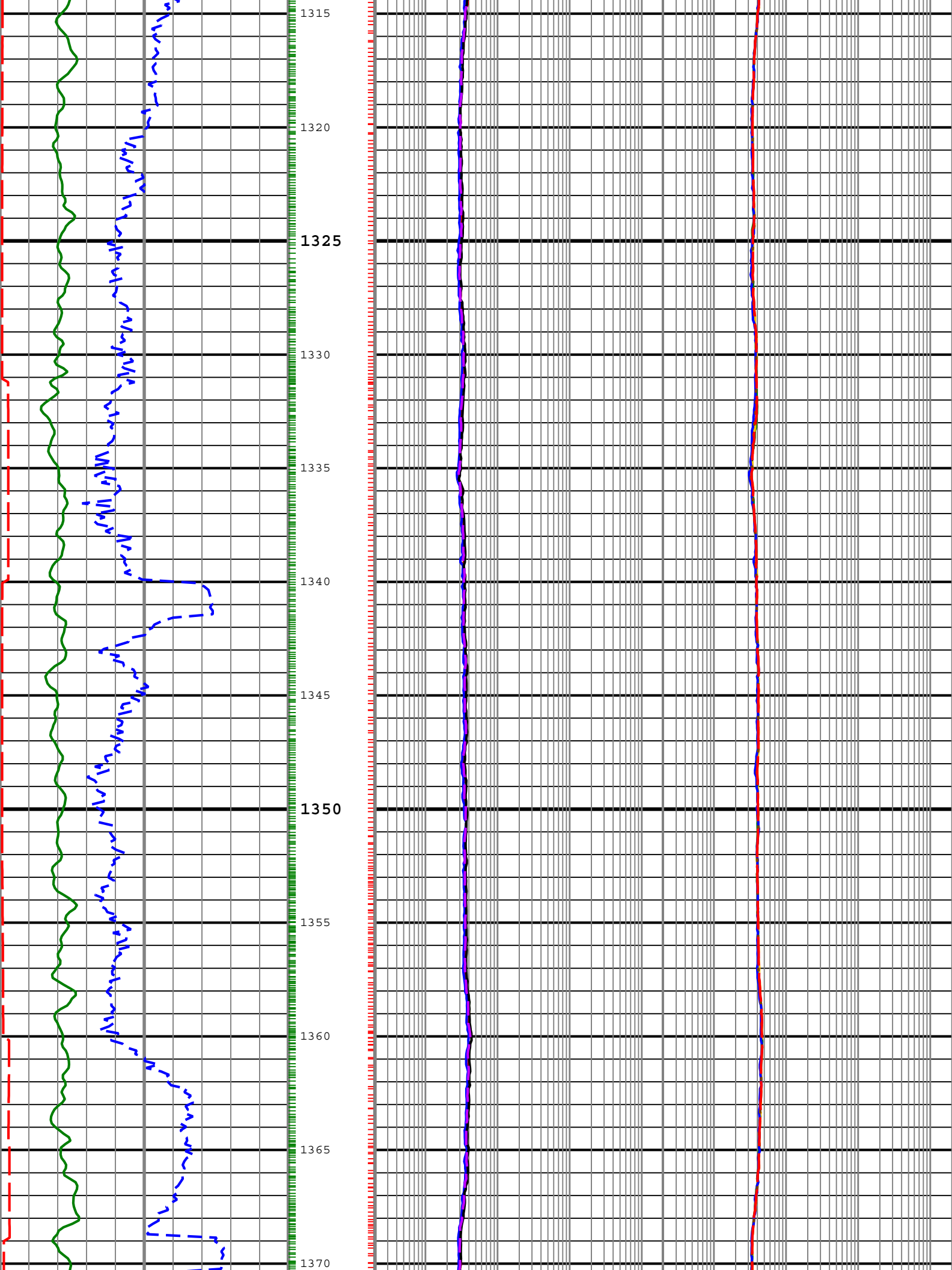


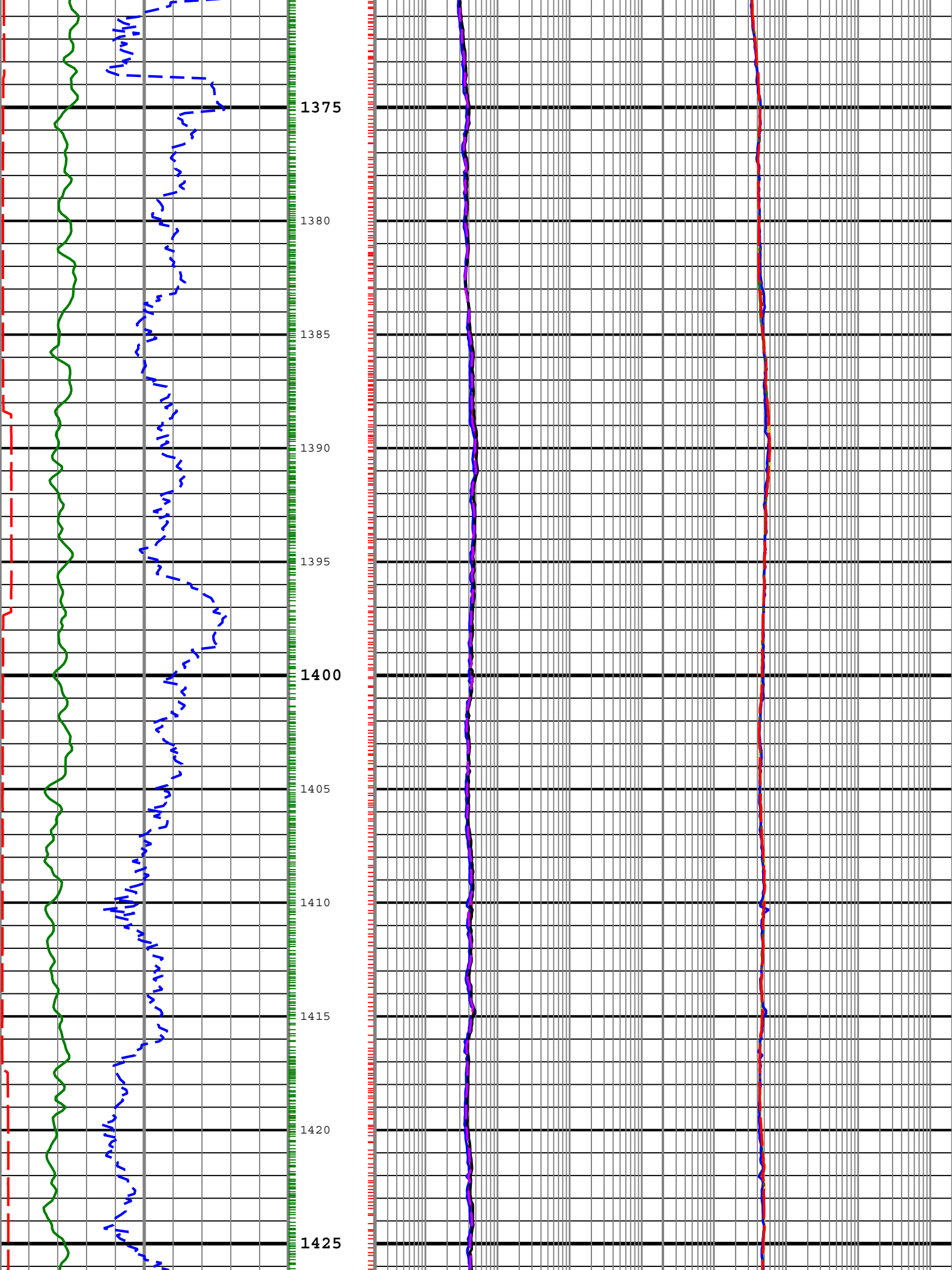


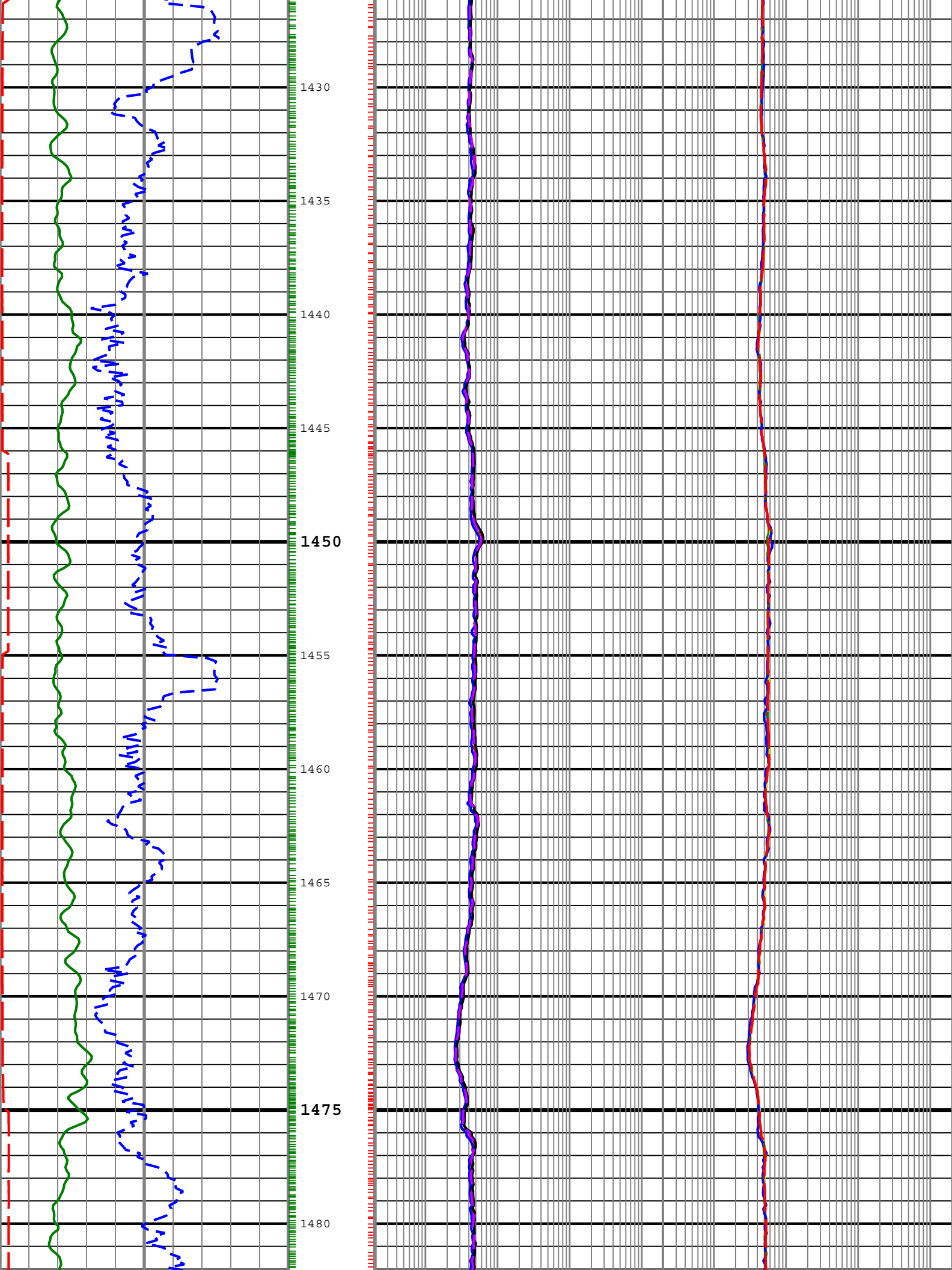


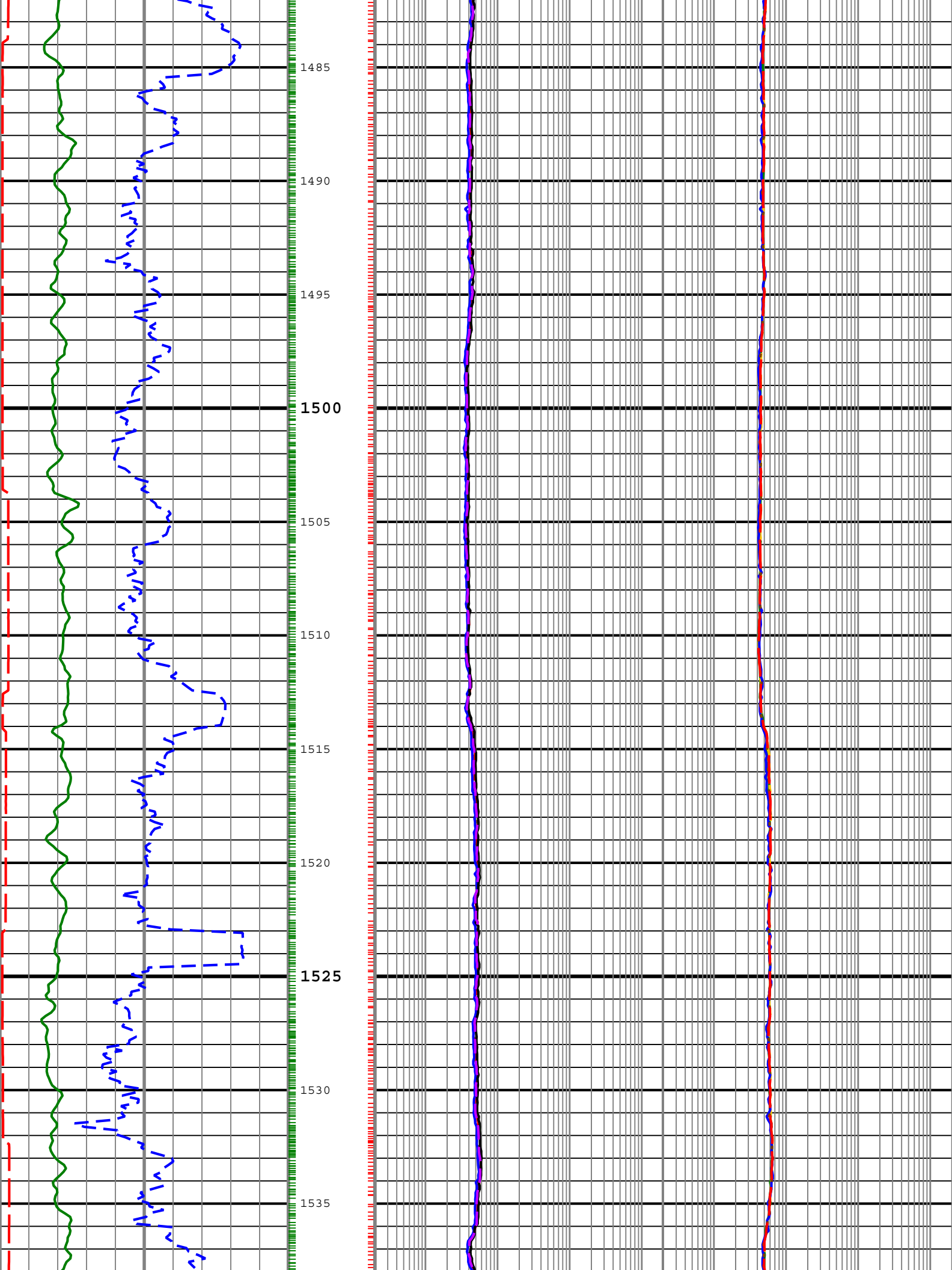


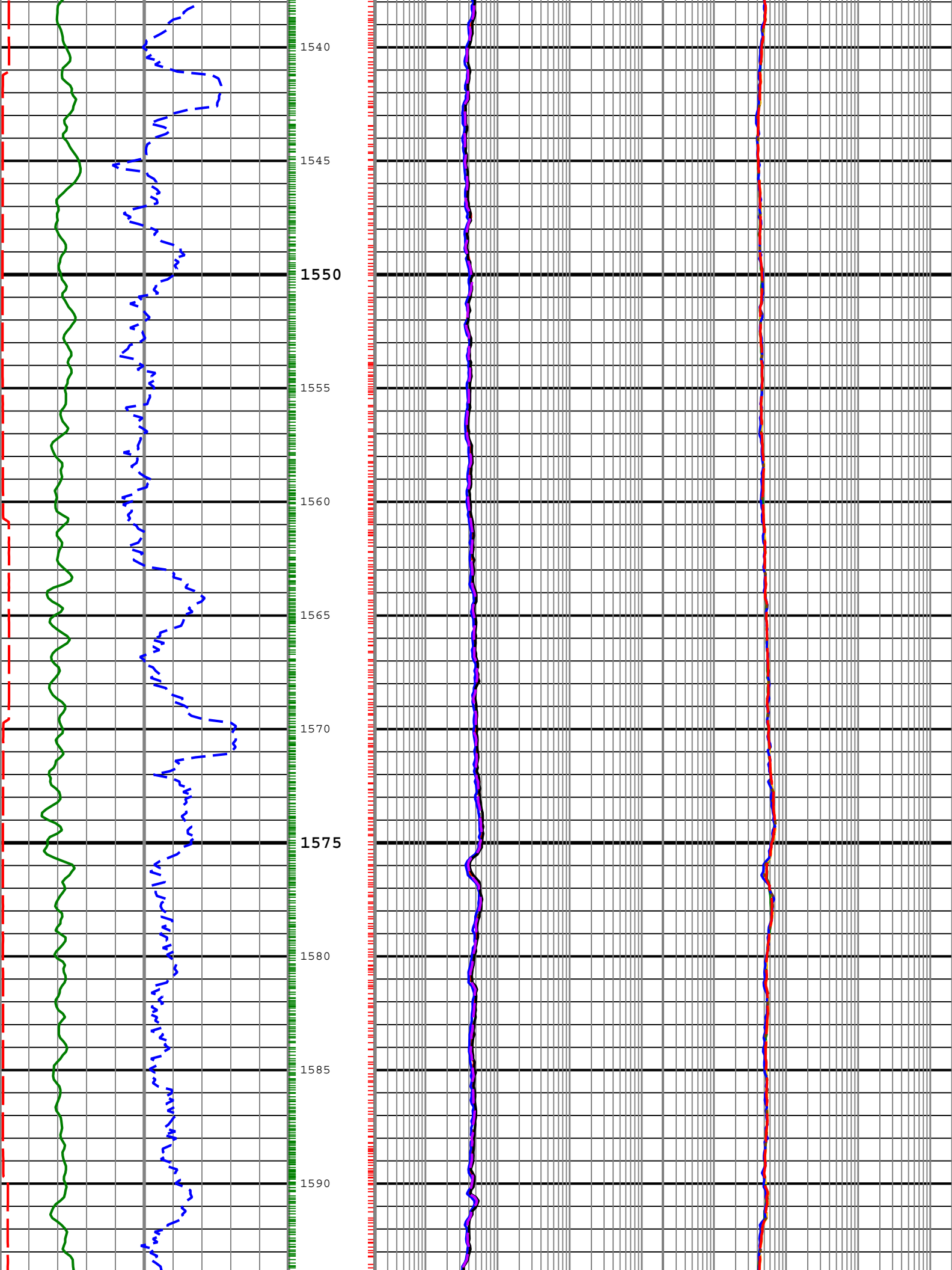


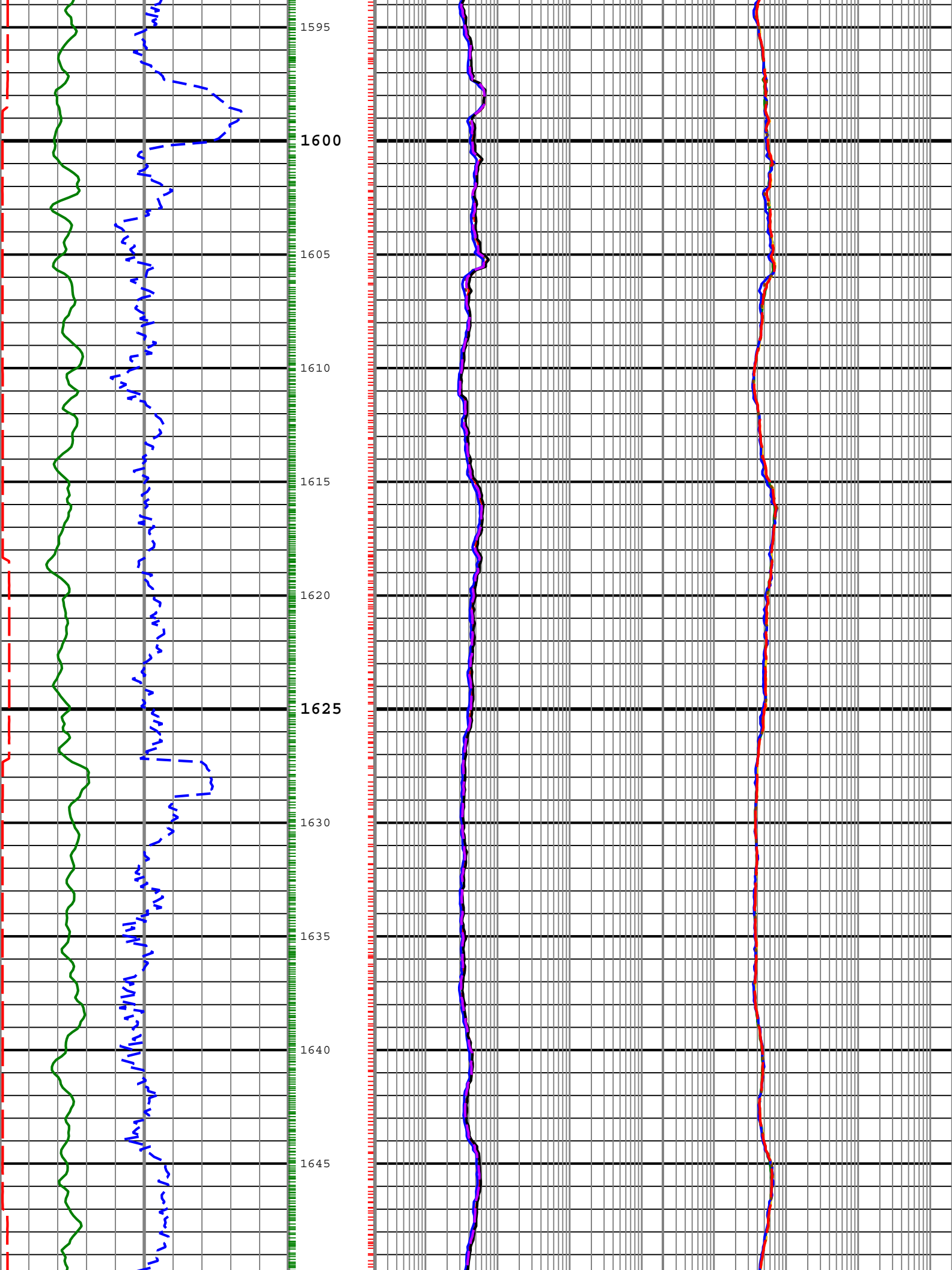


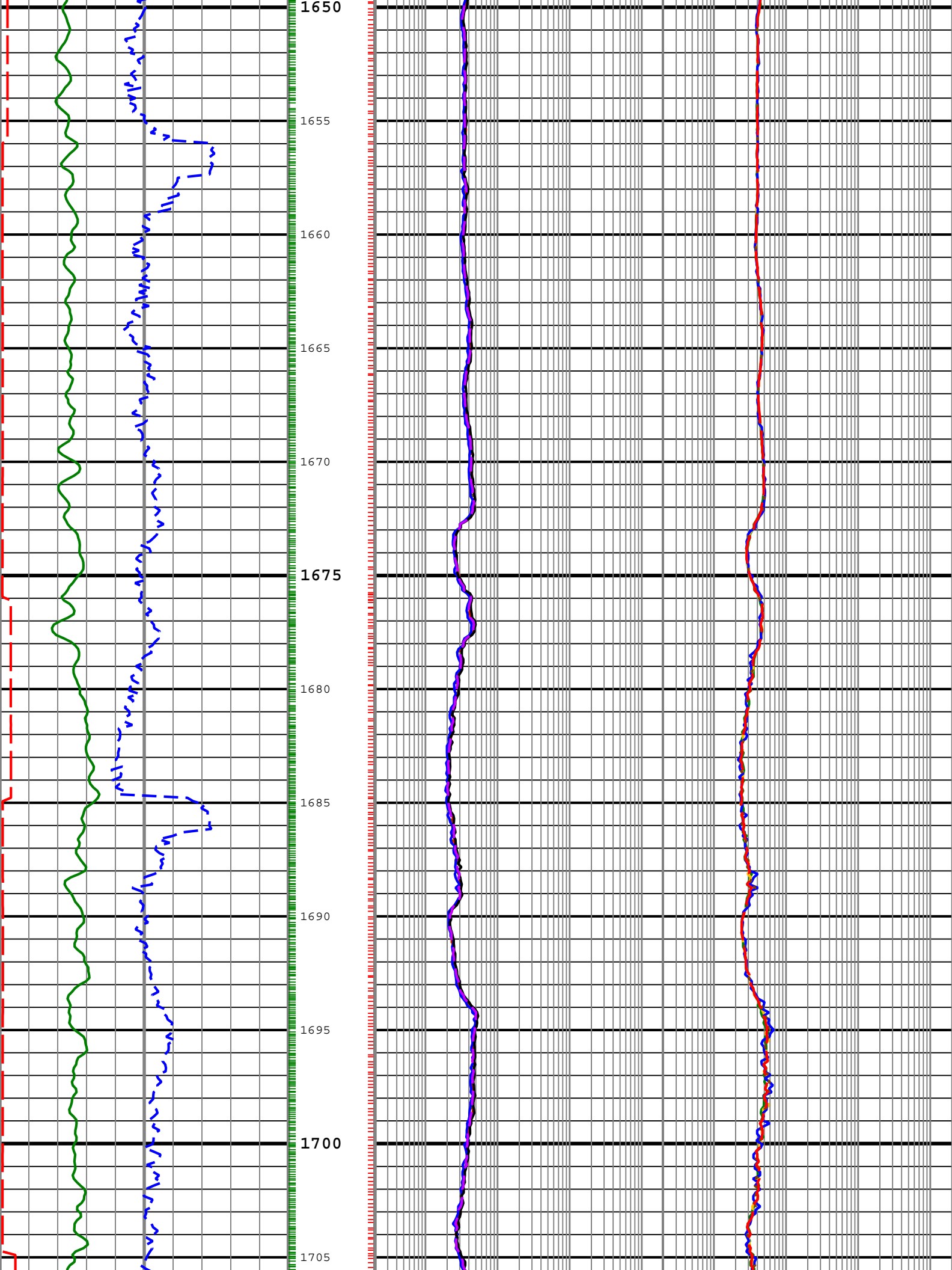


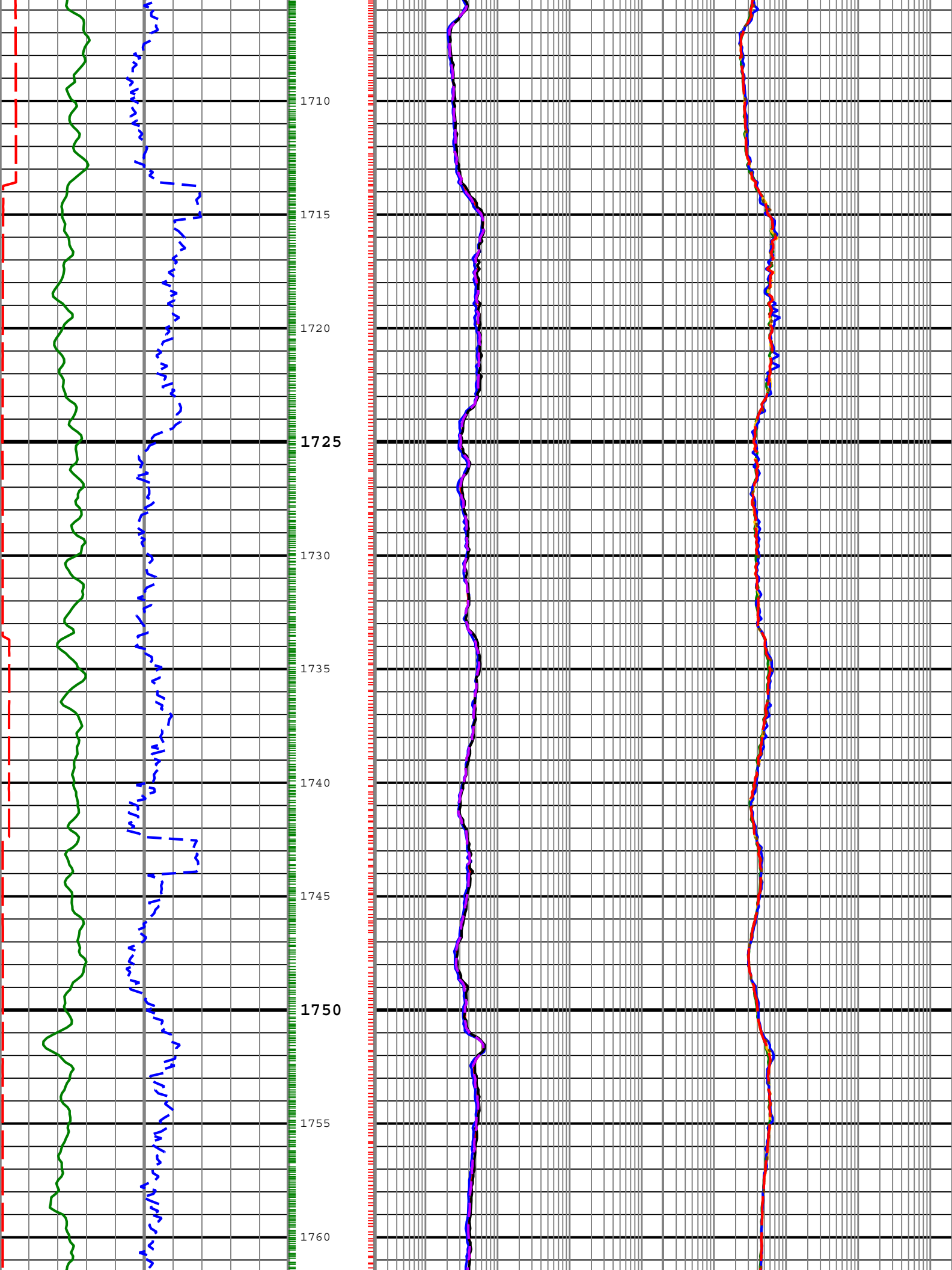


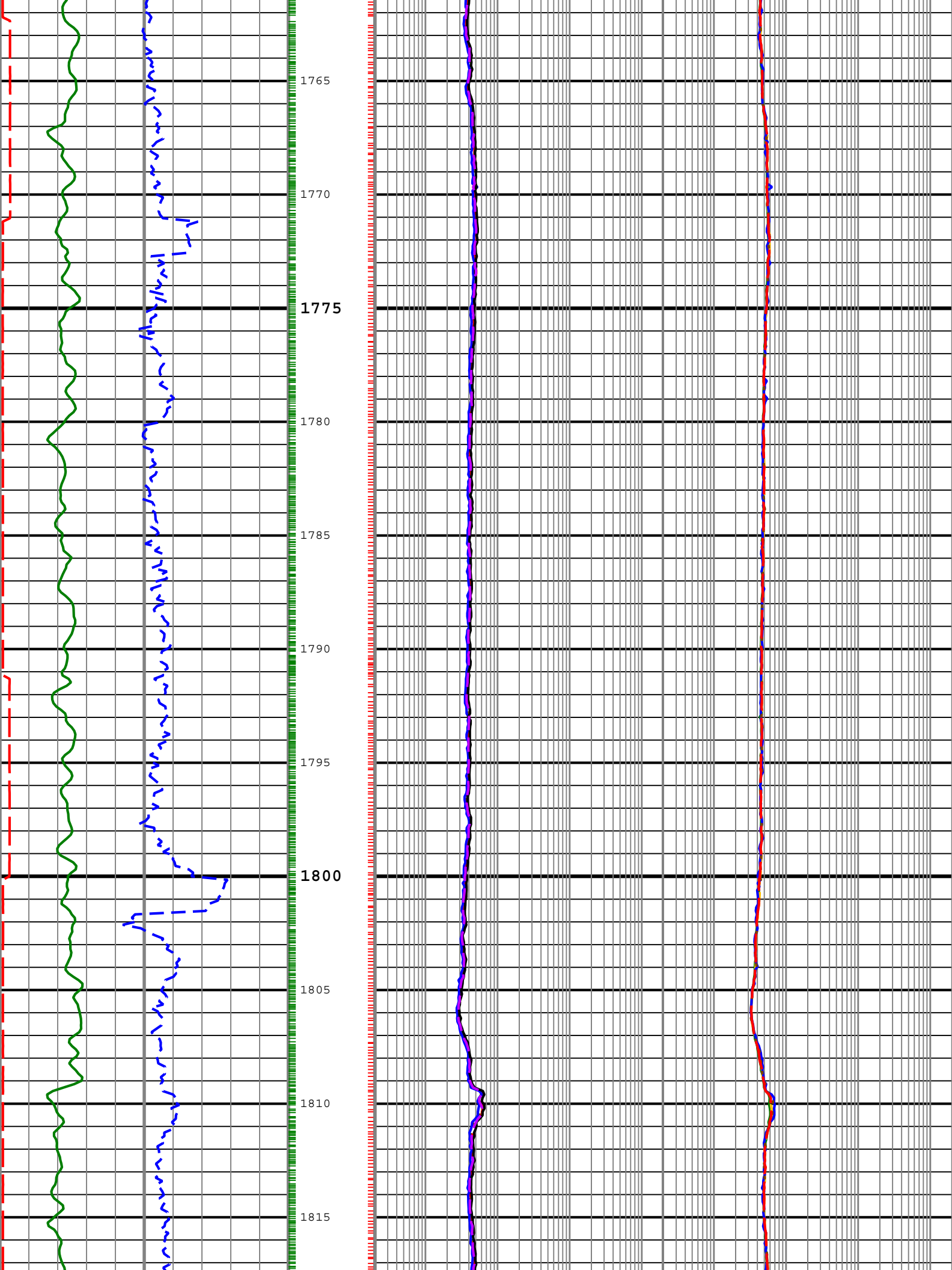


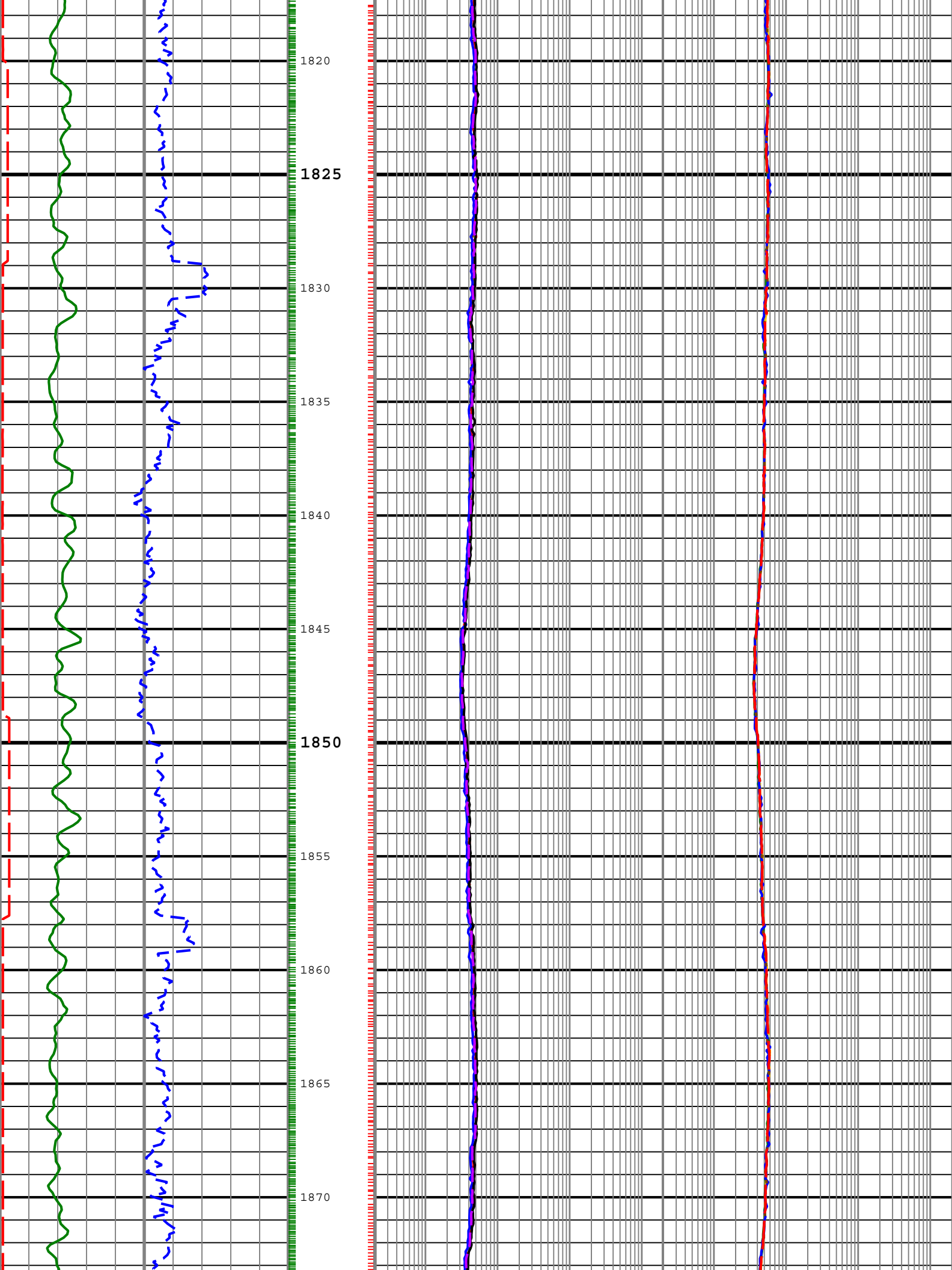


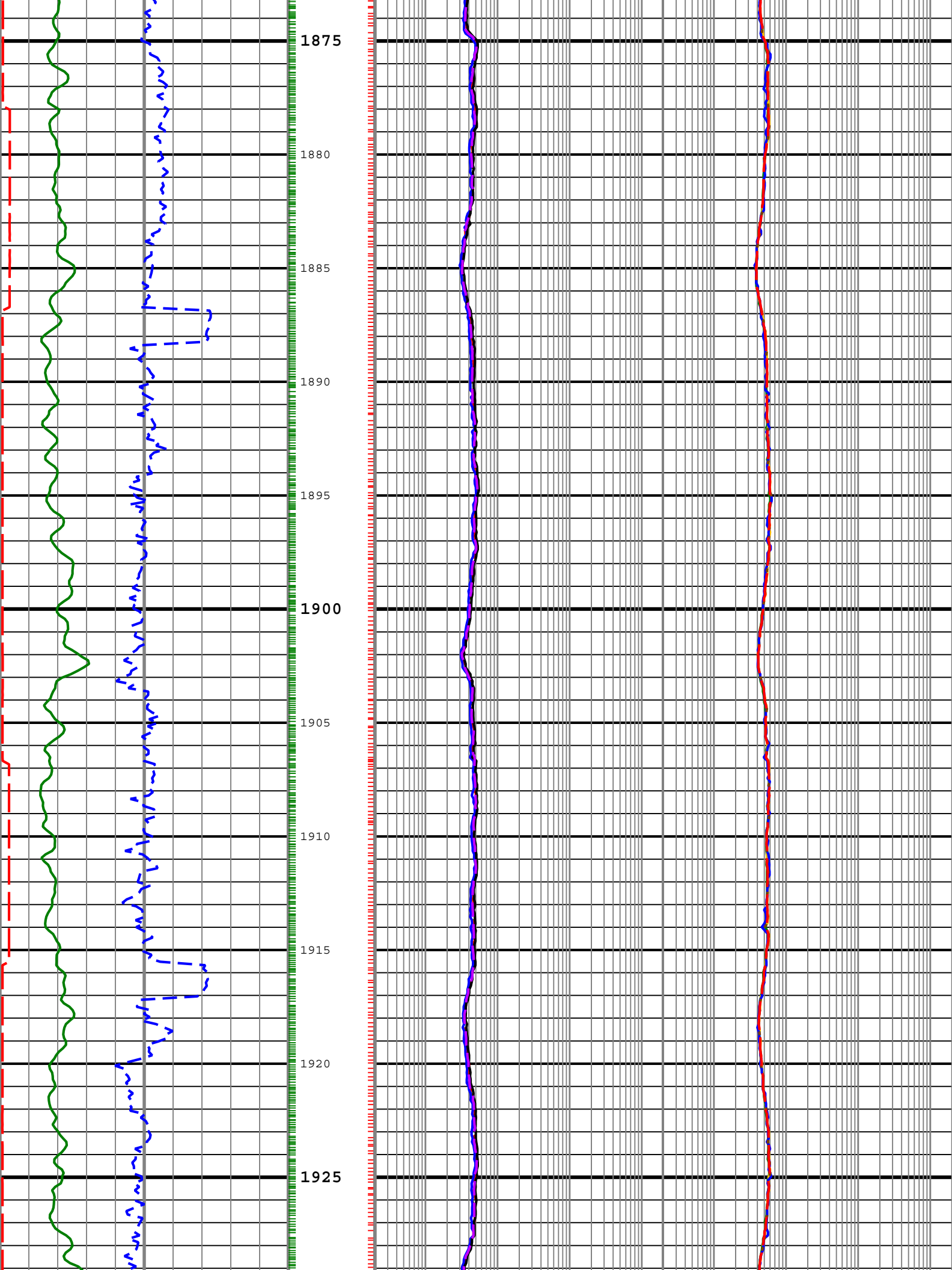


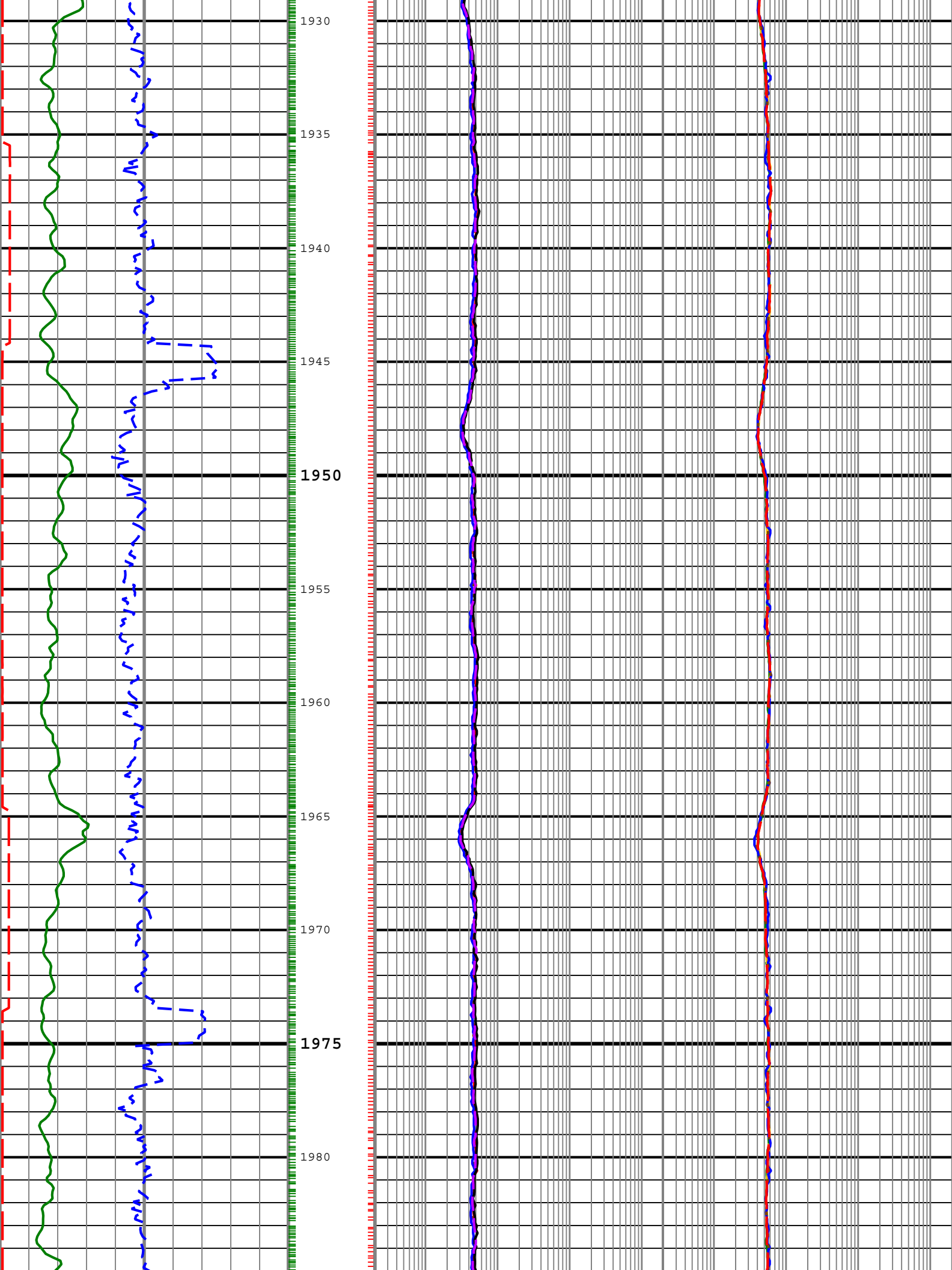


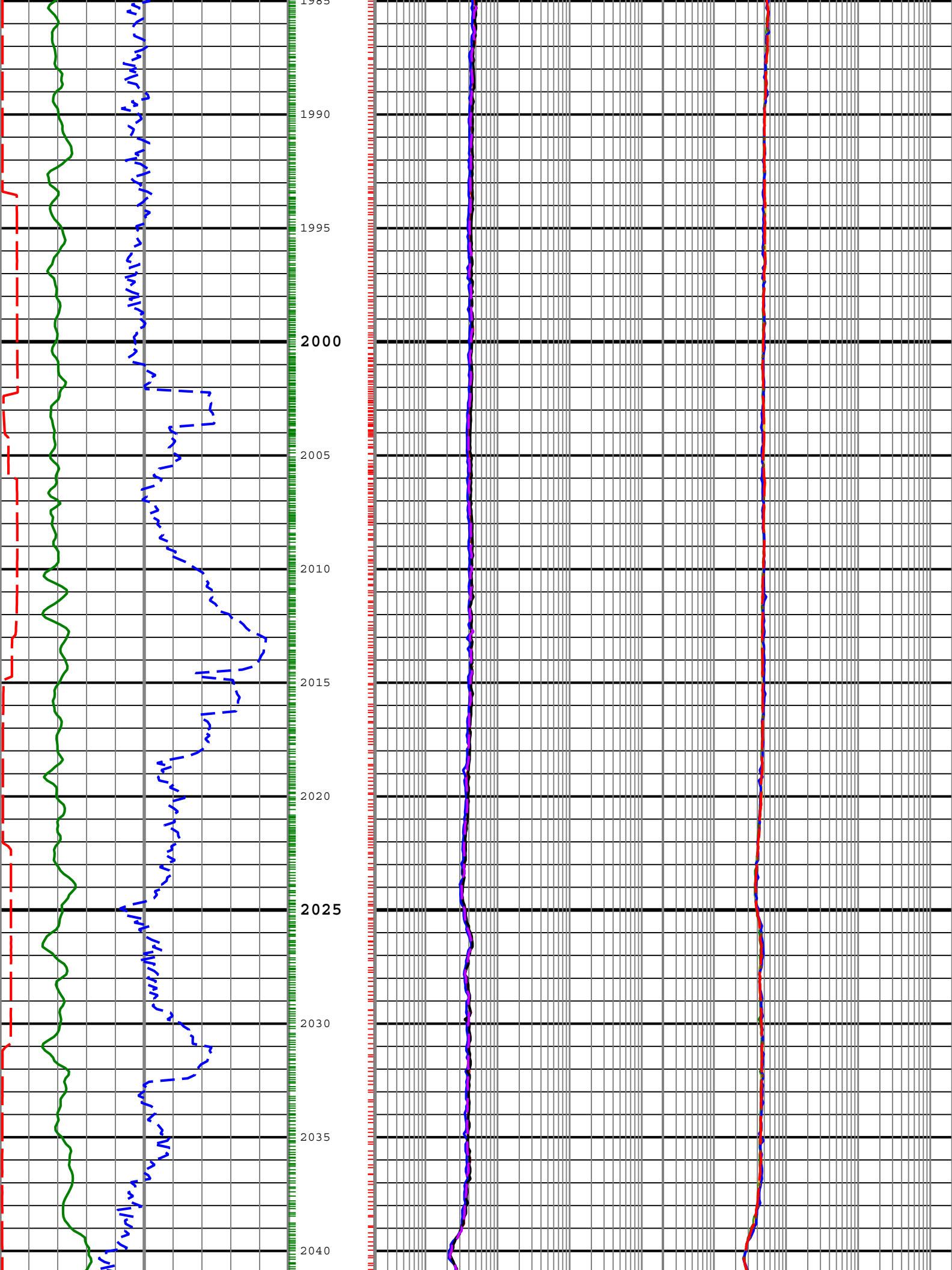


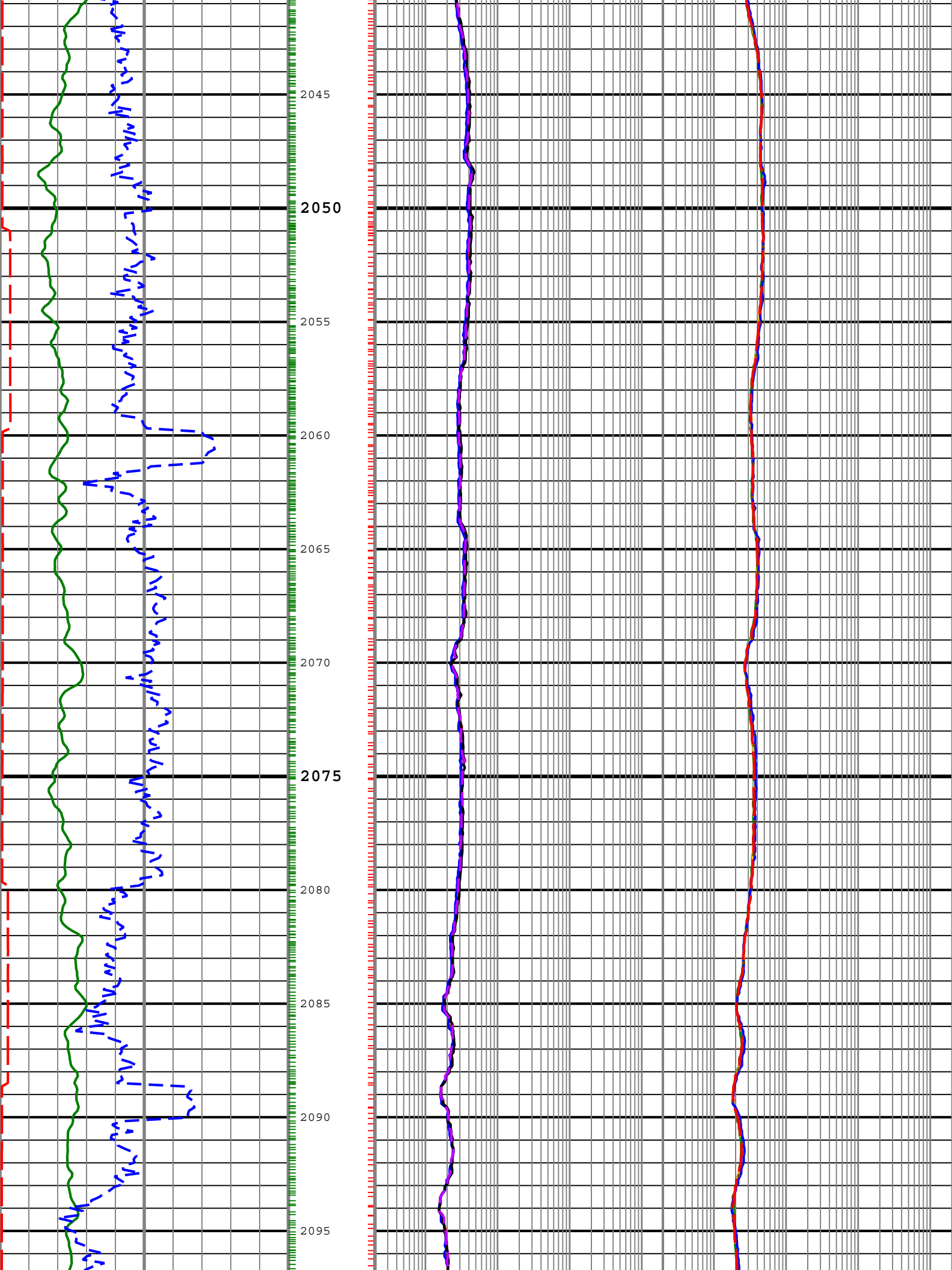


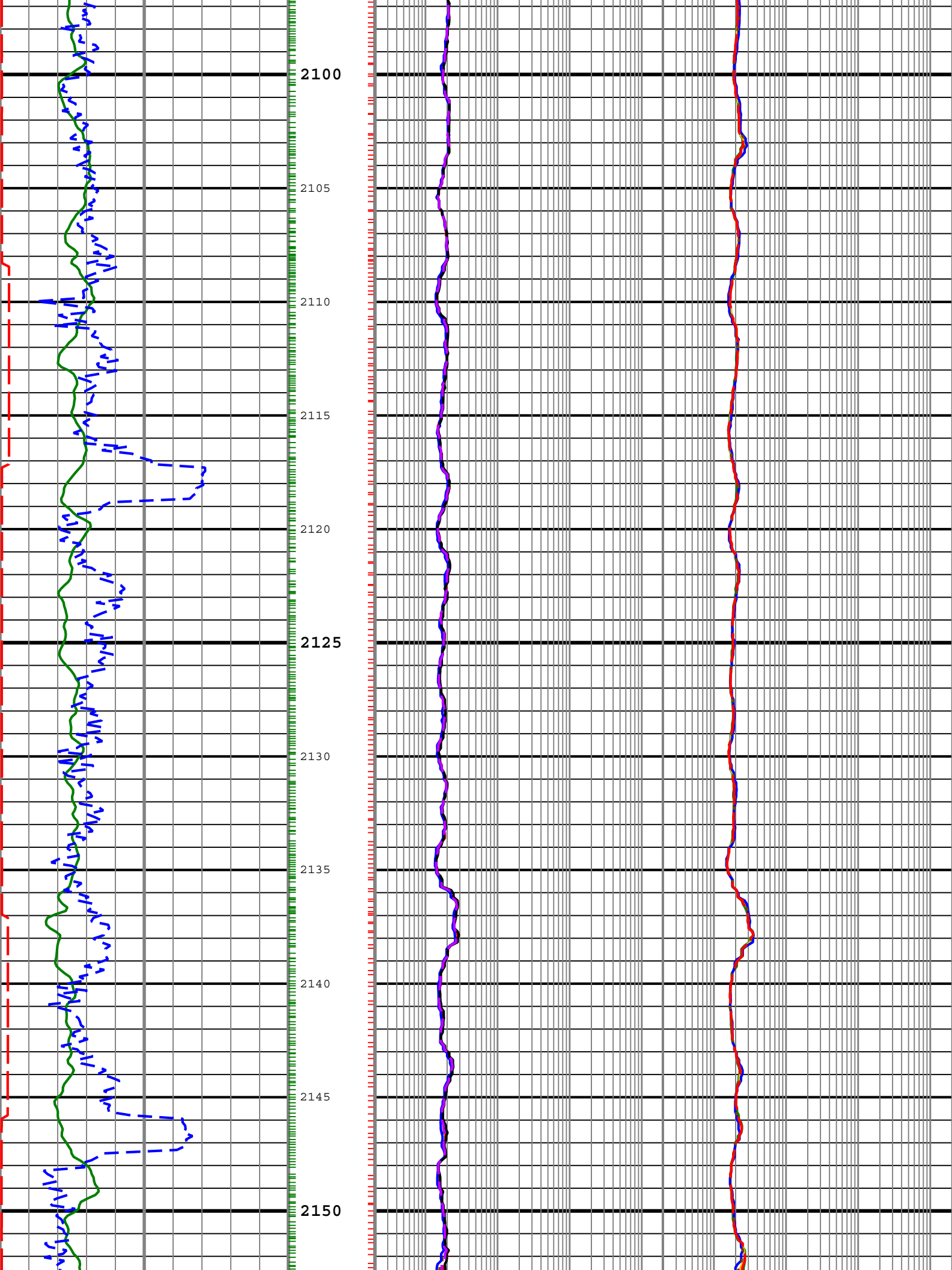


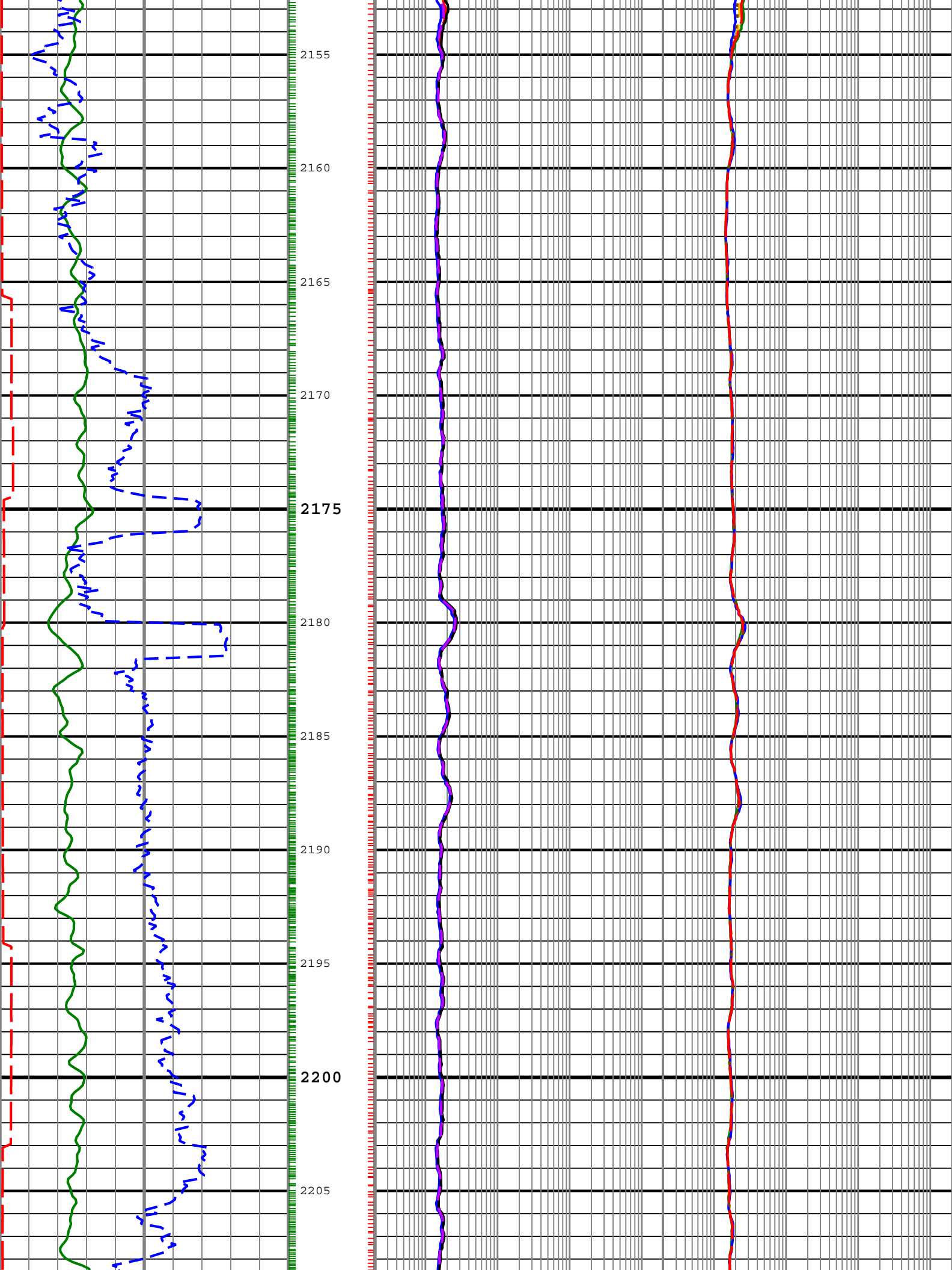


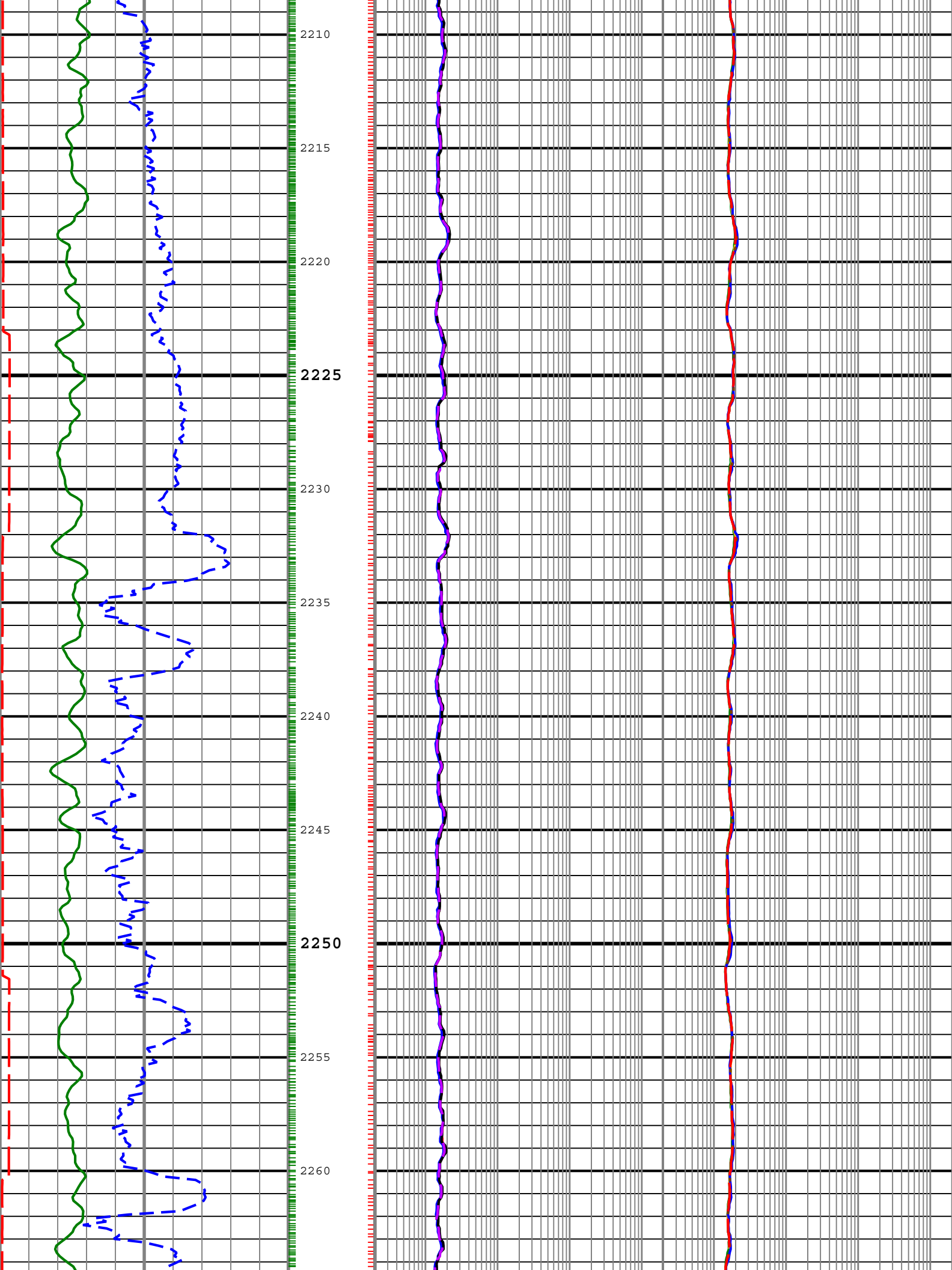


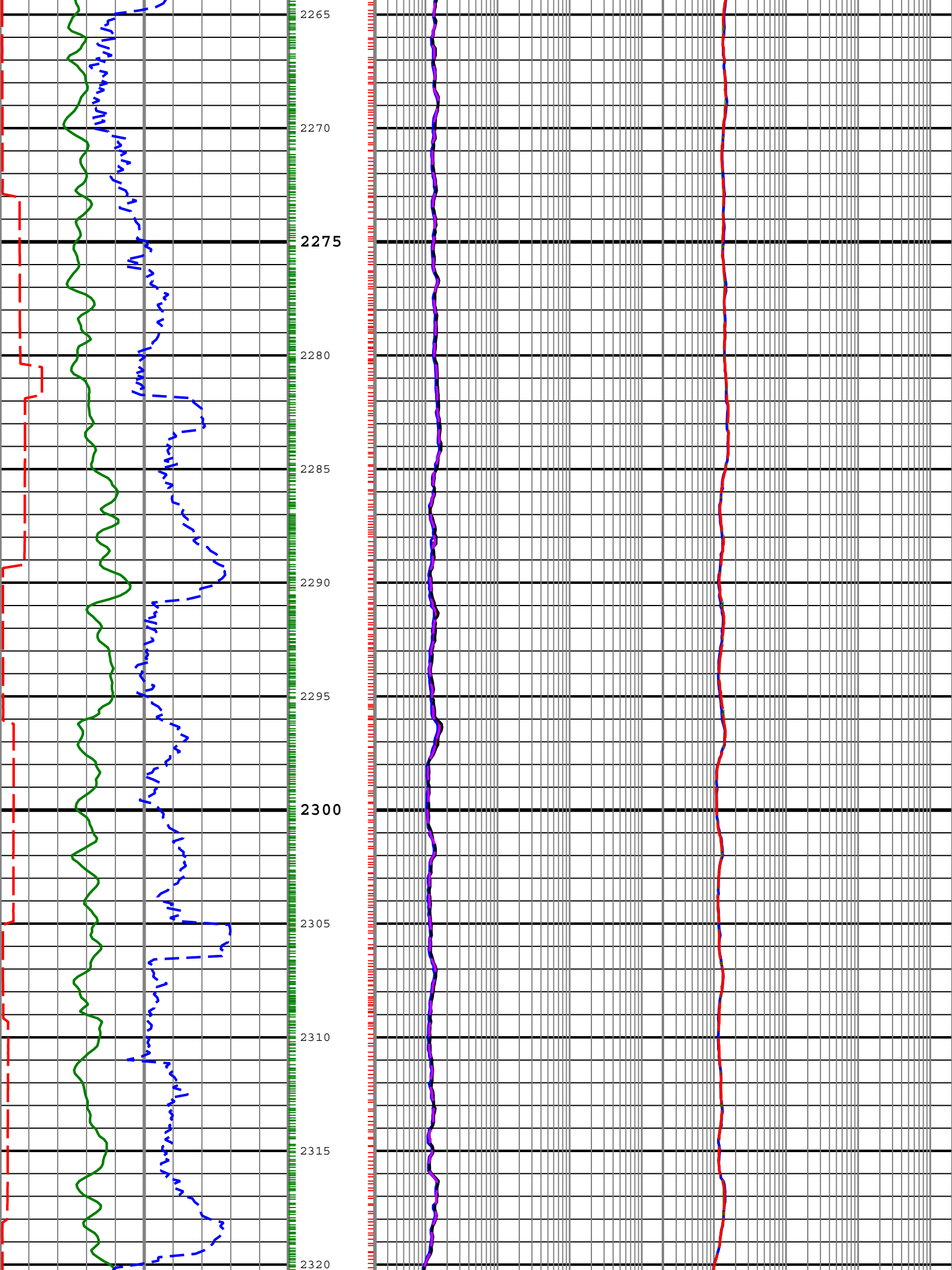


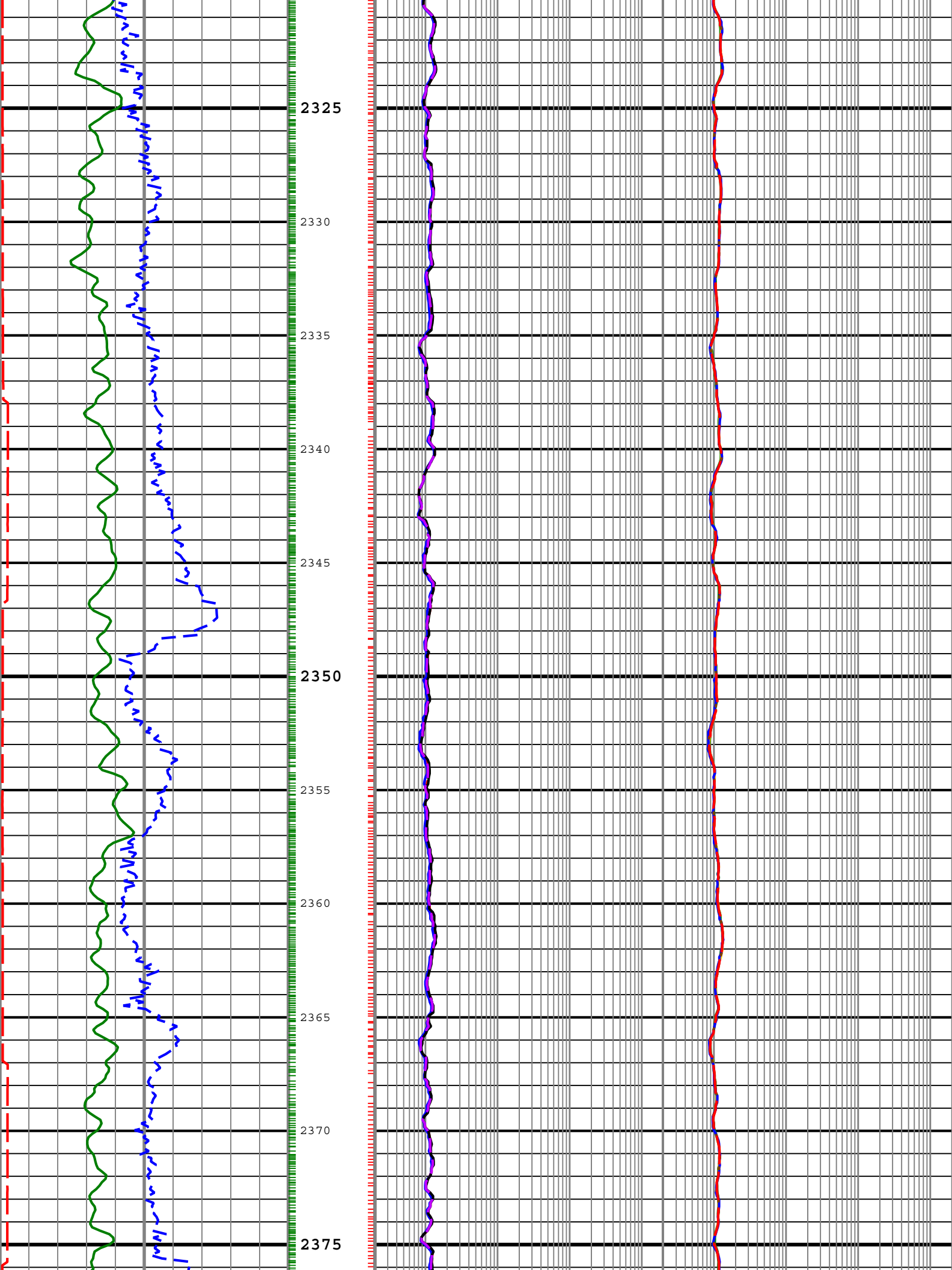


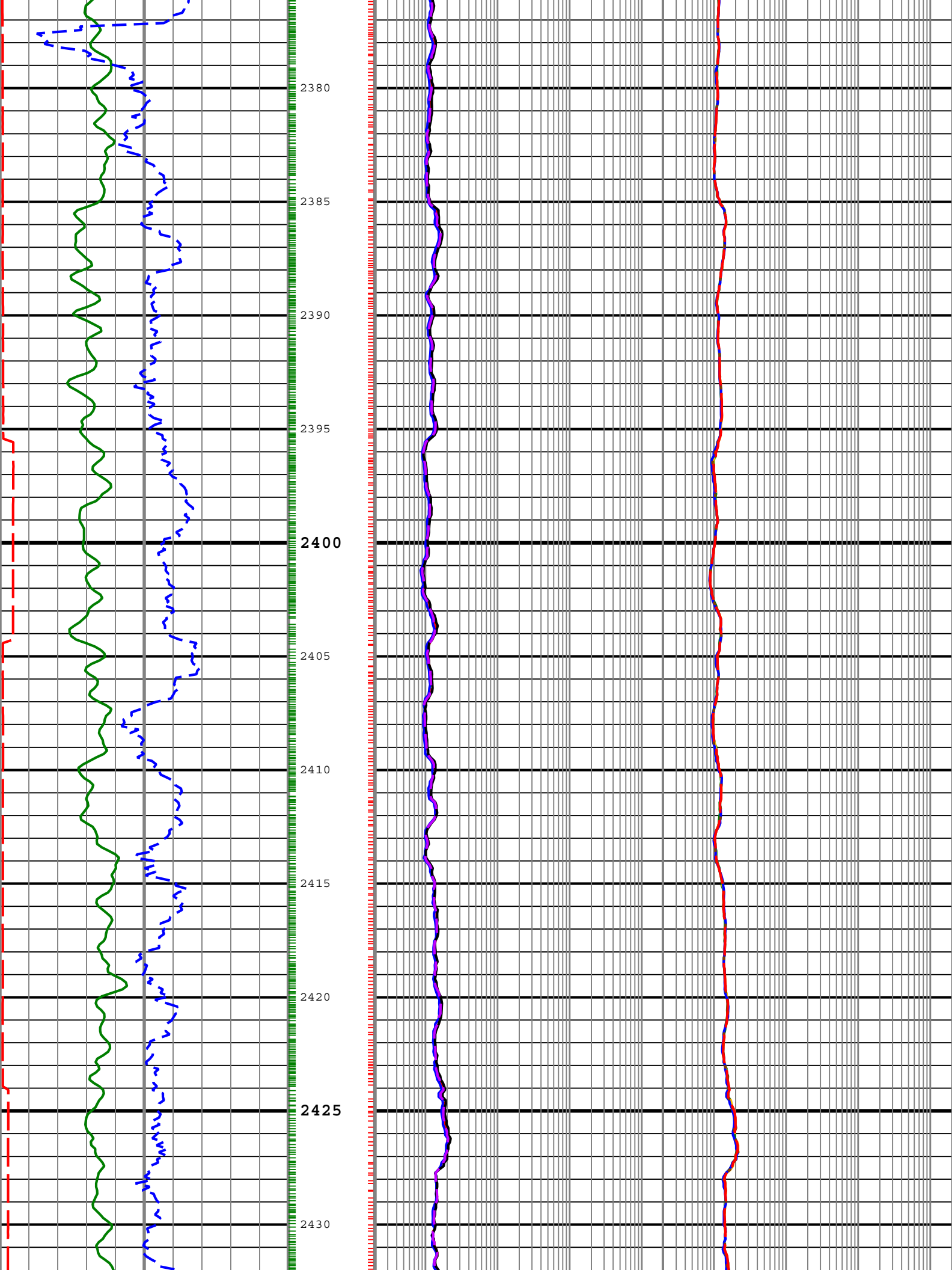


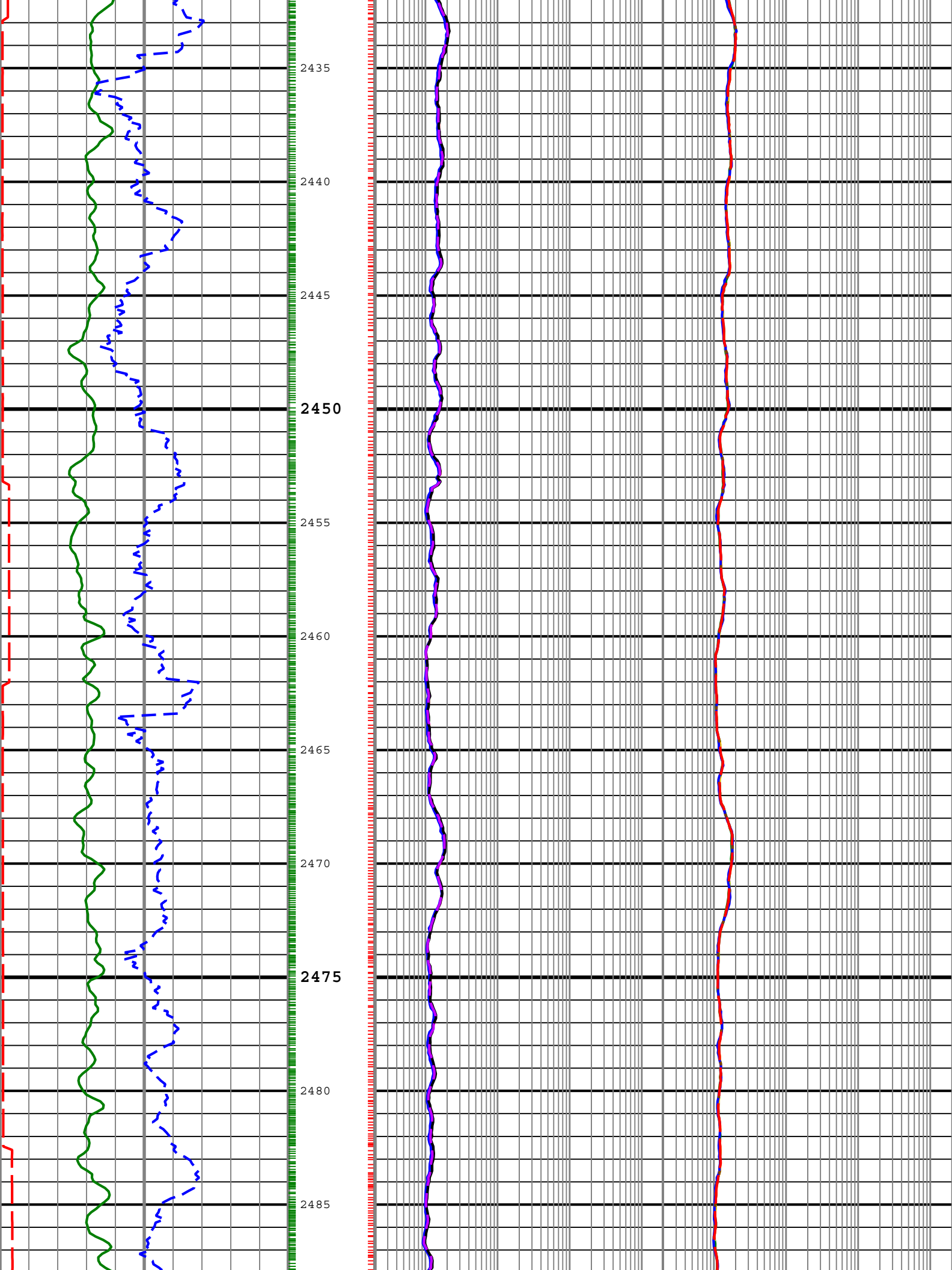


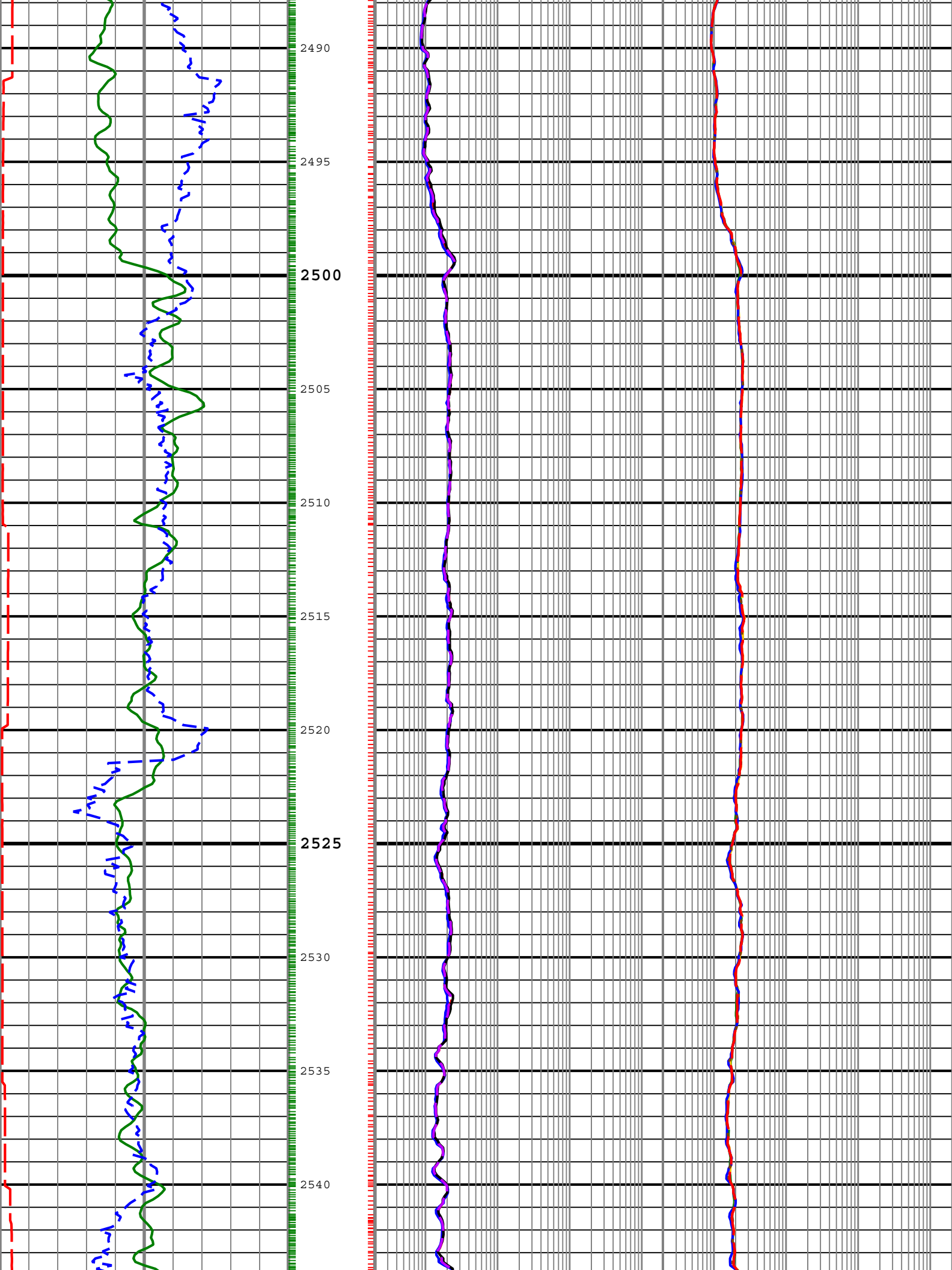


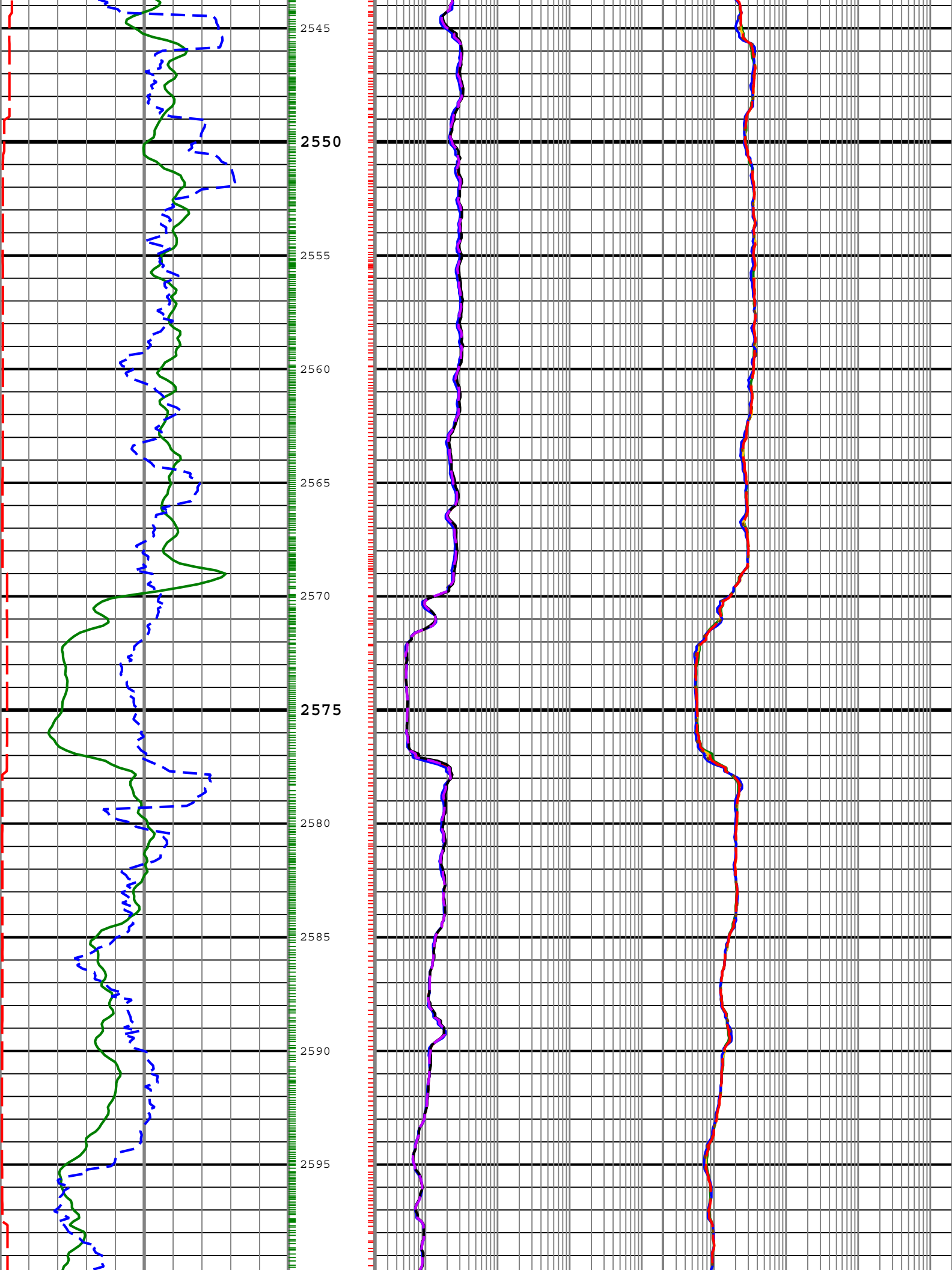


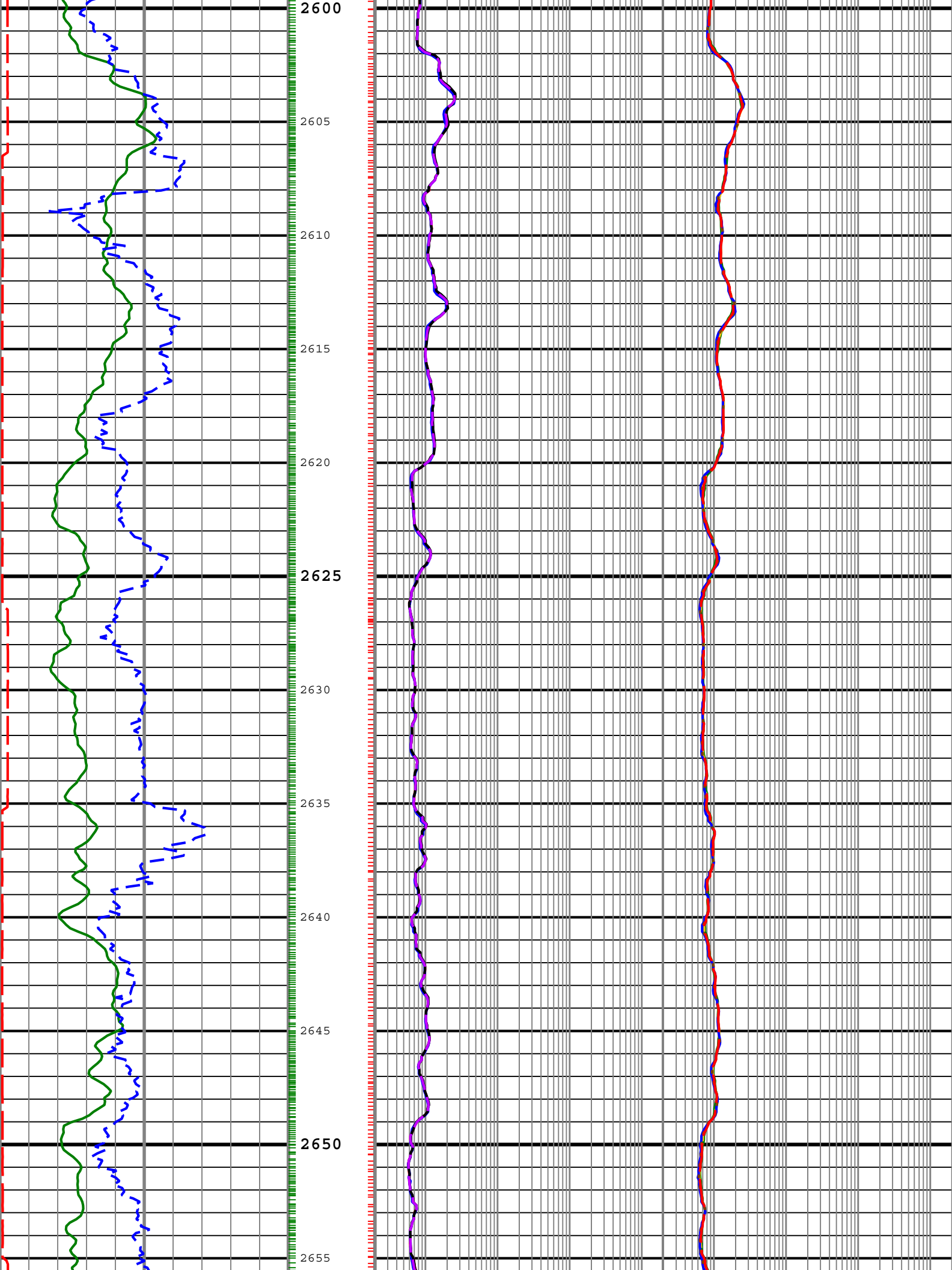


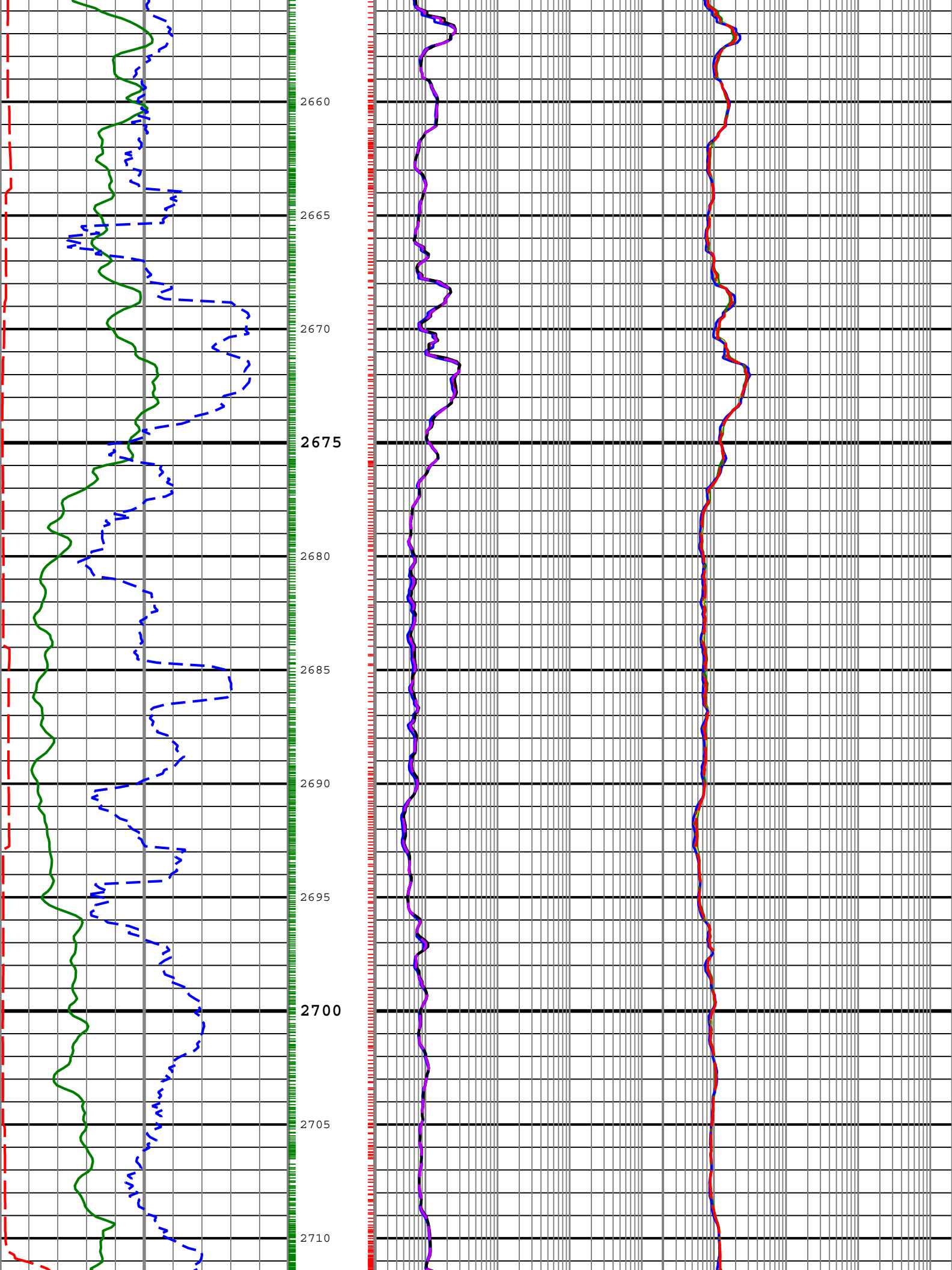


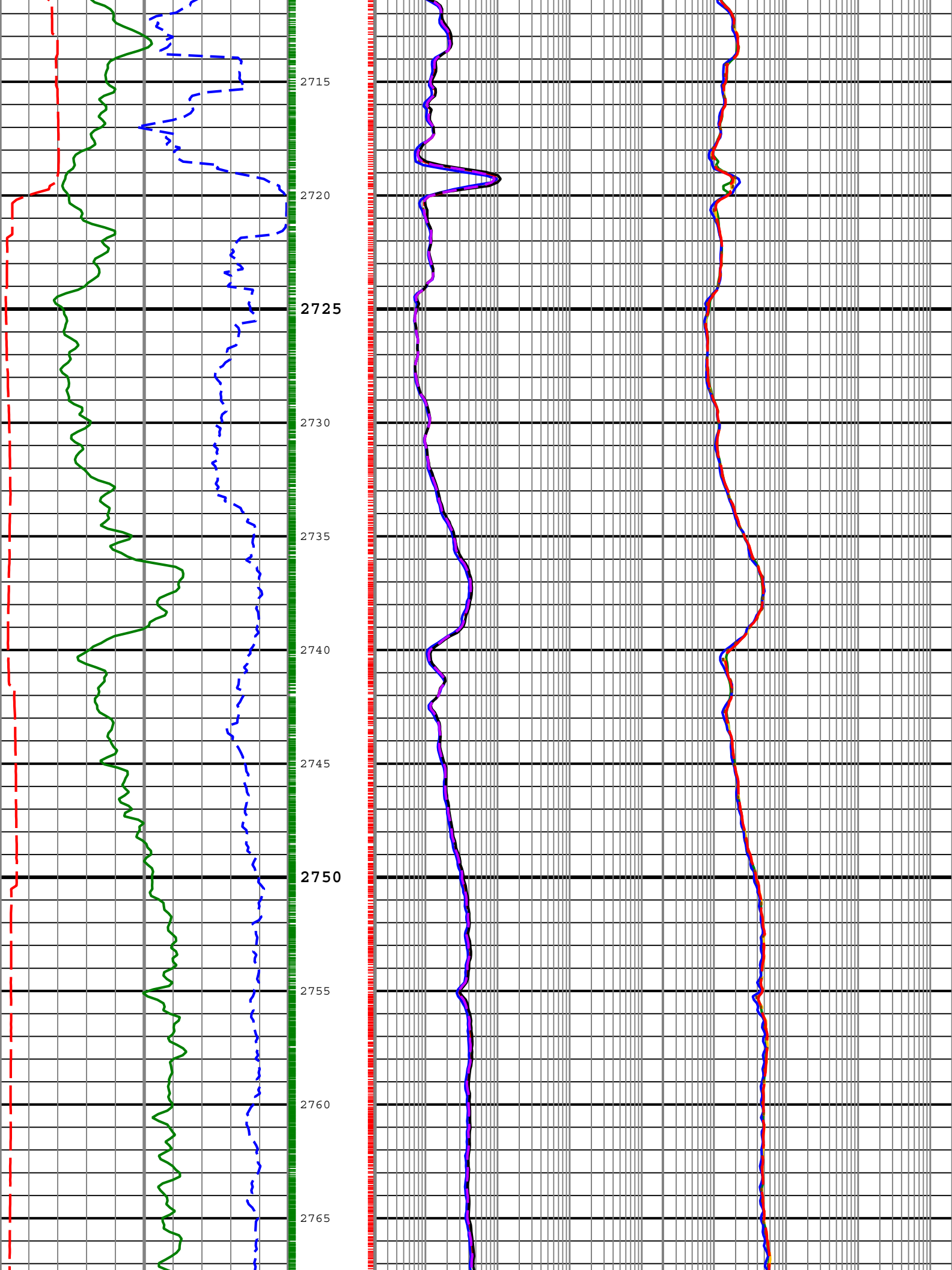


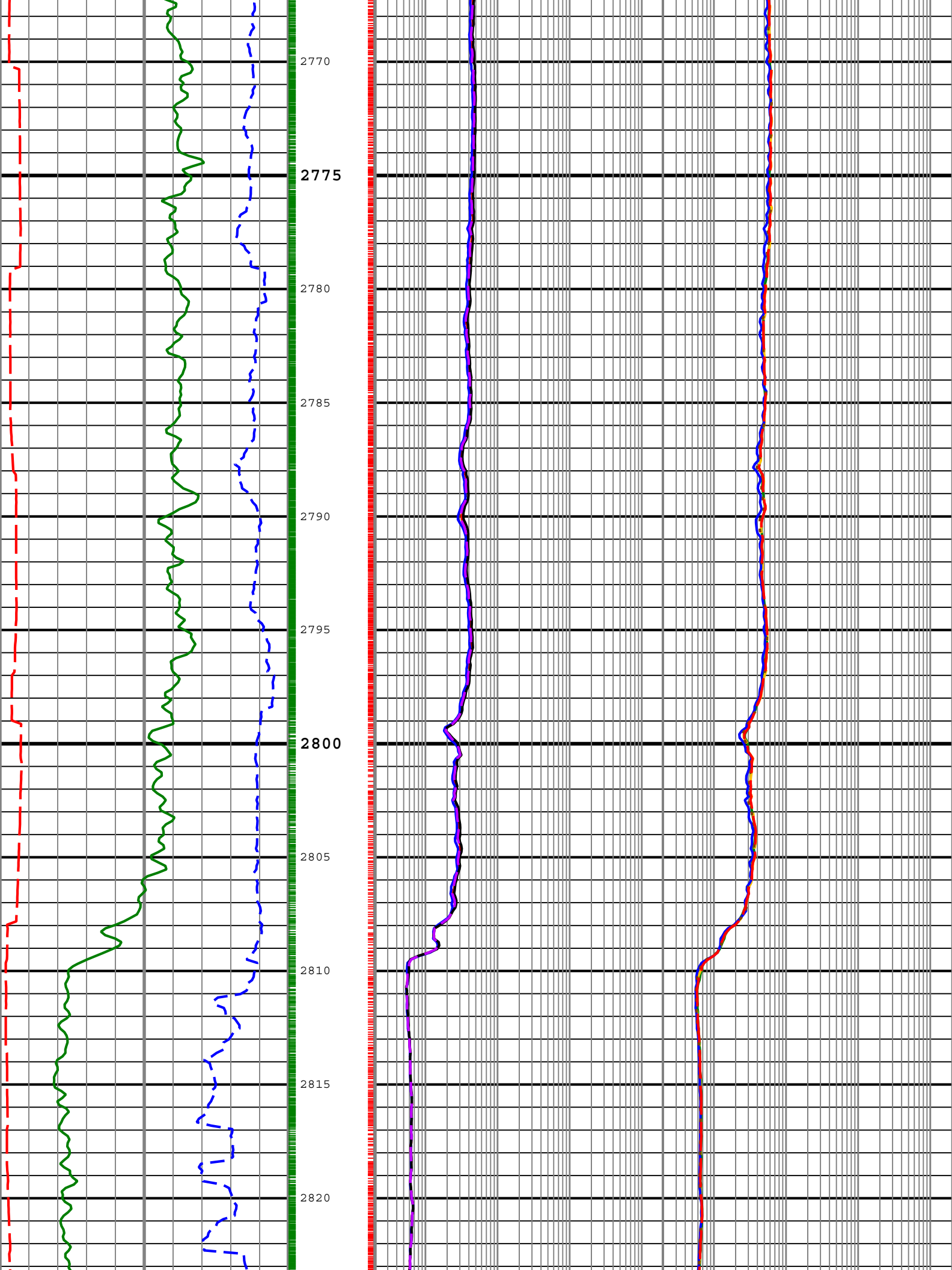


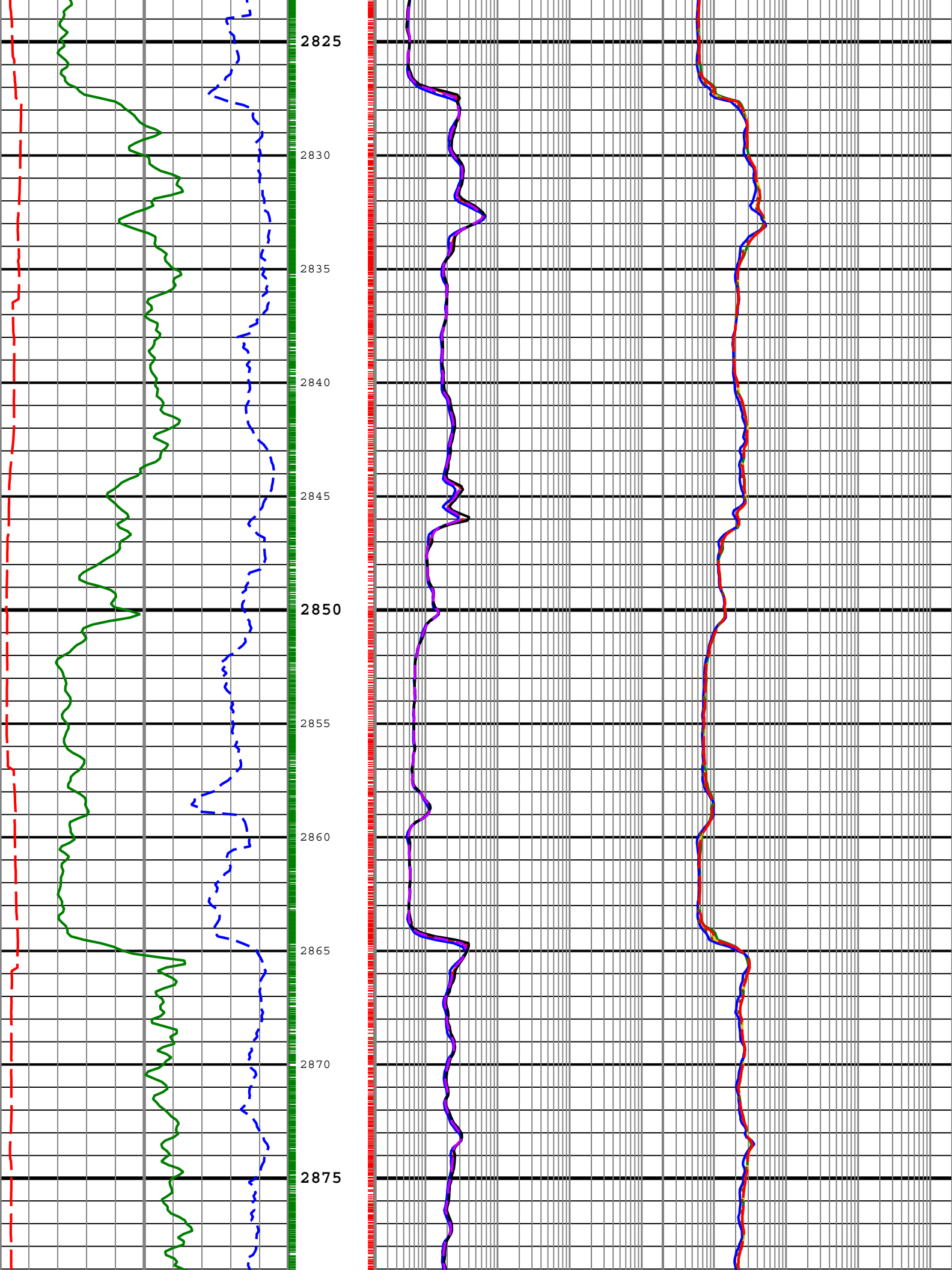


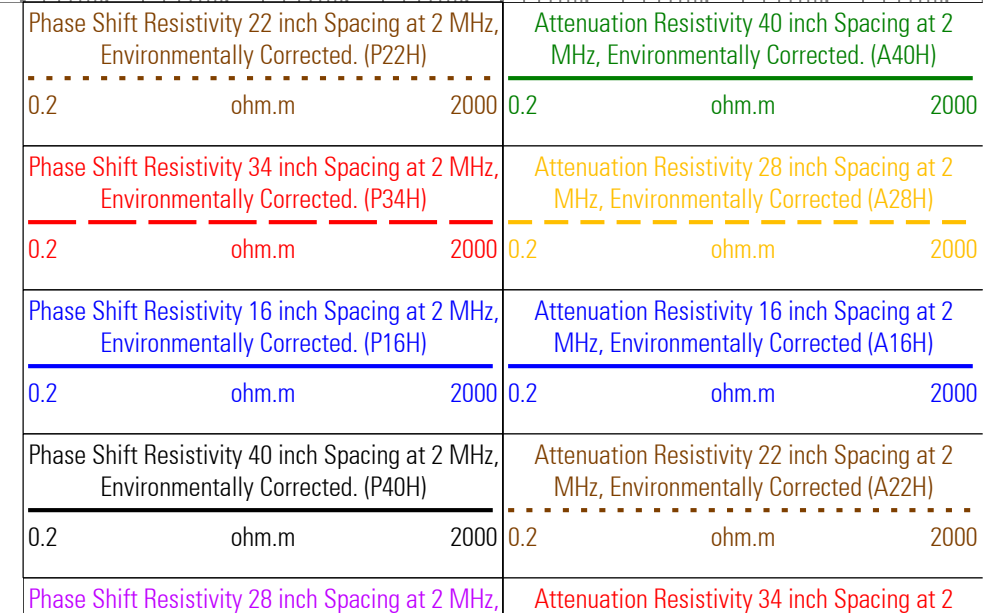
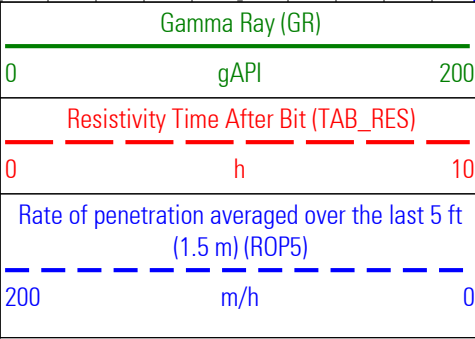
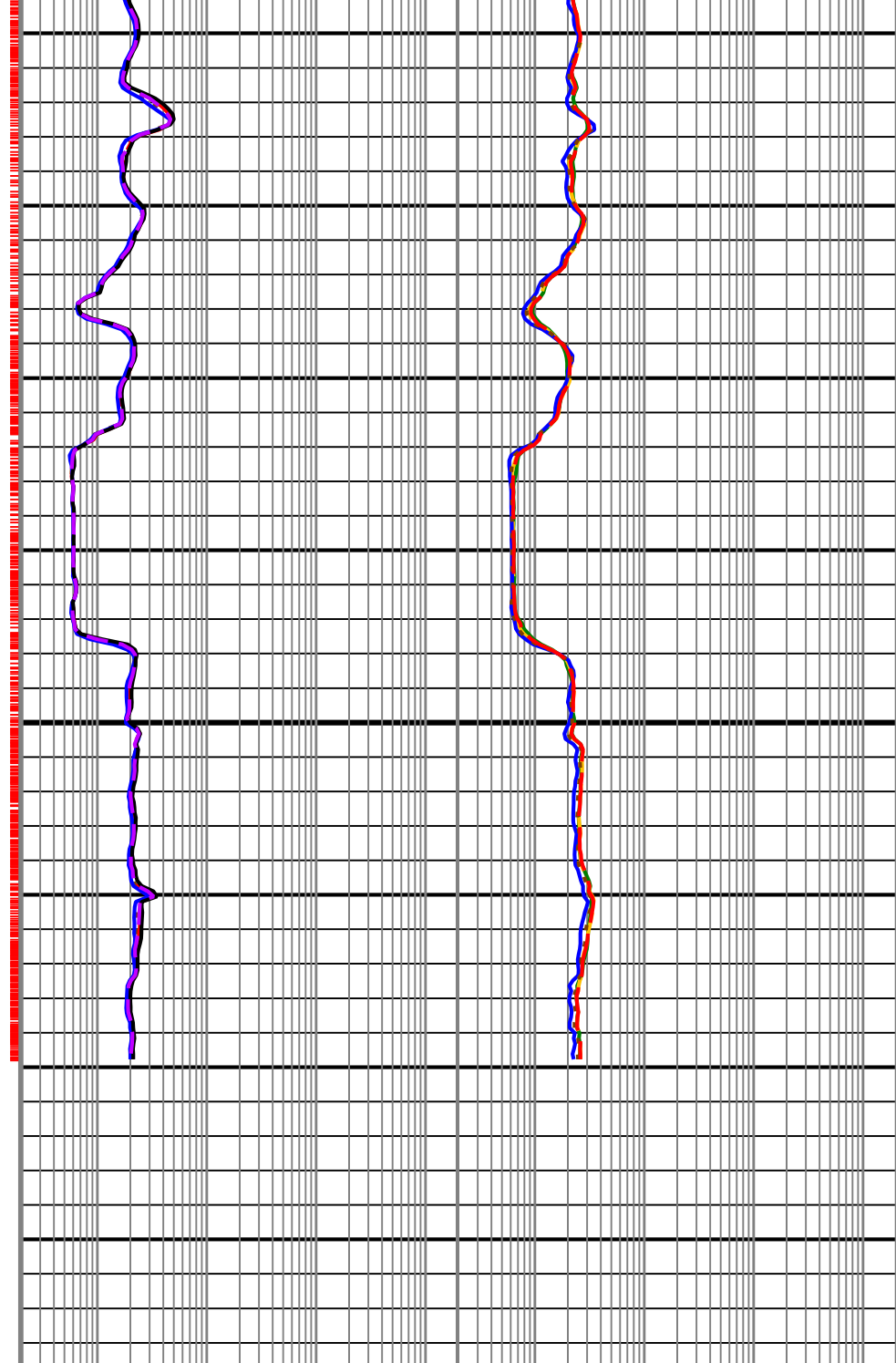
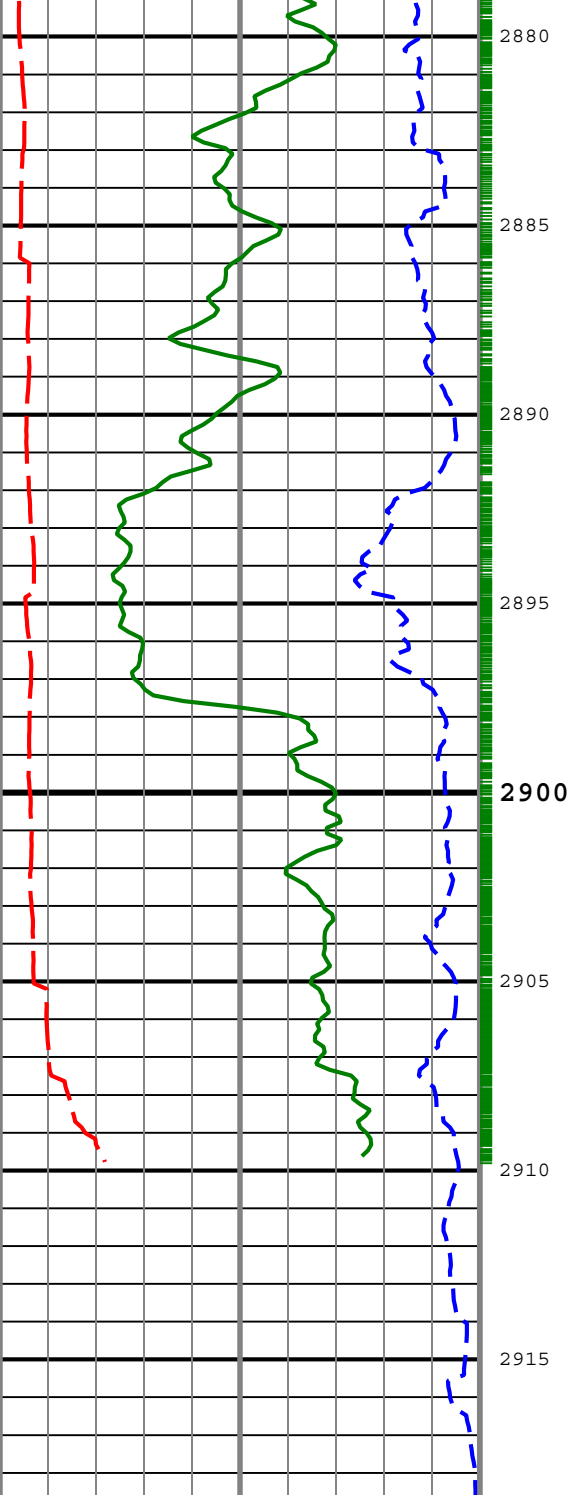












Environmentally Corrected. (P28H)
 0.2 ohm.m 2000

MHz, Environmentally Corrected (A34H)
 0.2 ohm.m 2000

-| TICKS_RES - Resistivity Tick Marks

| TICKS_GR - Gamma Ray Tick Marks

Description: ARC Dual Frequency 3-Log Resistivity Format: Log (ARC RM) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 29-Jul-2009 12:55:29

Channel Processing Parameters

Parameter	Description	ToolPath	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	4.94	%
BHT	Bottom Hole Temperature	Borehole	39	degC
BS	Bit Size	COMPLETION	Depth Zoned	in
DFD	Drilling Fluid Density	Borehole	Time Zoned	g/cm3
DFT	Drilling Fluid Type	Borehole	Water	
GGRD	Geothermal Gradient	Borehole	18.23	degC/km
GRSE	Generalized Mud Resistivity Selection	Borehole	Computed (GEN-9)	
GTSE	Generalized Temperature Selection	Borehole	Gradient From Surface	
MST	Mud Sample Temperature	Borehole	Time Zoned	degC
RMS	Resistivity of Mud Sample	Borehole	Time Zoned	ohm.m
SHT	Surface Hole Temperature	Borehole	20	degC
TD	Total Measured Depth	Borehole	3000	m
TEMP_SEL_ARC	ARC Temperature Selection	ARC8:ARC8:ARDC	Annular	

Depth Zone Parameters

Parameter	Value	Start (m)	Stop (m)
BS	16	1050	1061.7
BS	12.25	1061.7	2918.61

All depth are actual.

Time Zone Parameters

Parameter	Value	Start Time	Stop Time	Start Depth (m)	Stop Depth (m)
DFD	1.09	26-Jul-2009 15:32:43	28-Jul-2009 07:03:02	1027.73	2575.43
DFD	1.14	28-Jul-2009 07:03:02	29-Jul-2009 10:30:01	2575.43	2918.79
MST	20	26-Jul-2009 15:32:43	28-Jul-2009 02:09:39	1027.73	2316
MST	21	28-Jul-2009 02:09:39	29-Jul-2009 10:30:01	2316	2918.79
RMS	0.074	26-Jul-2009 15:32:43	28-Jul-2009 02:09:39	1027.73	2316
RMS	0.099	28-Jul-2009 02:09:39	29-Jul-2009 10:30:01	2316	2918.79

All depth are at tool zero.

Tool Control Parameters

Parameter	Description	ToolPath	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DnMWorkflow	Time Zoned	m

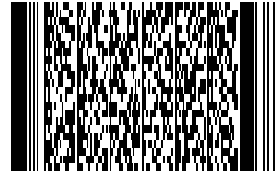
Time Zone Parameters

Parameter	Value	Start Time	Stop Time	Start Depth (m)	Stop Depth (m)
OFFBTM_TH	0.5	26-Jul-2009 15:32:43	26-Jul-2009 15:53:26	1027.73	1028.73
OFFBTM_TH	0.55	26-Jul-2009 15:53:26	29-Jul-2009 10:30:01	1028.73	2918.79

All depth are at tool zero.

Company: ROC Oil

Well: Basker 7
Field: Gippsland Basin
Rig Name: Ocean Patriot
State: Victoria
Country: AUSTRALIA



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VISION Resistivity
1:200 Measured Depth
Recorded Mode Data