



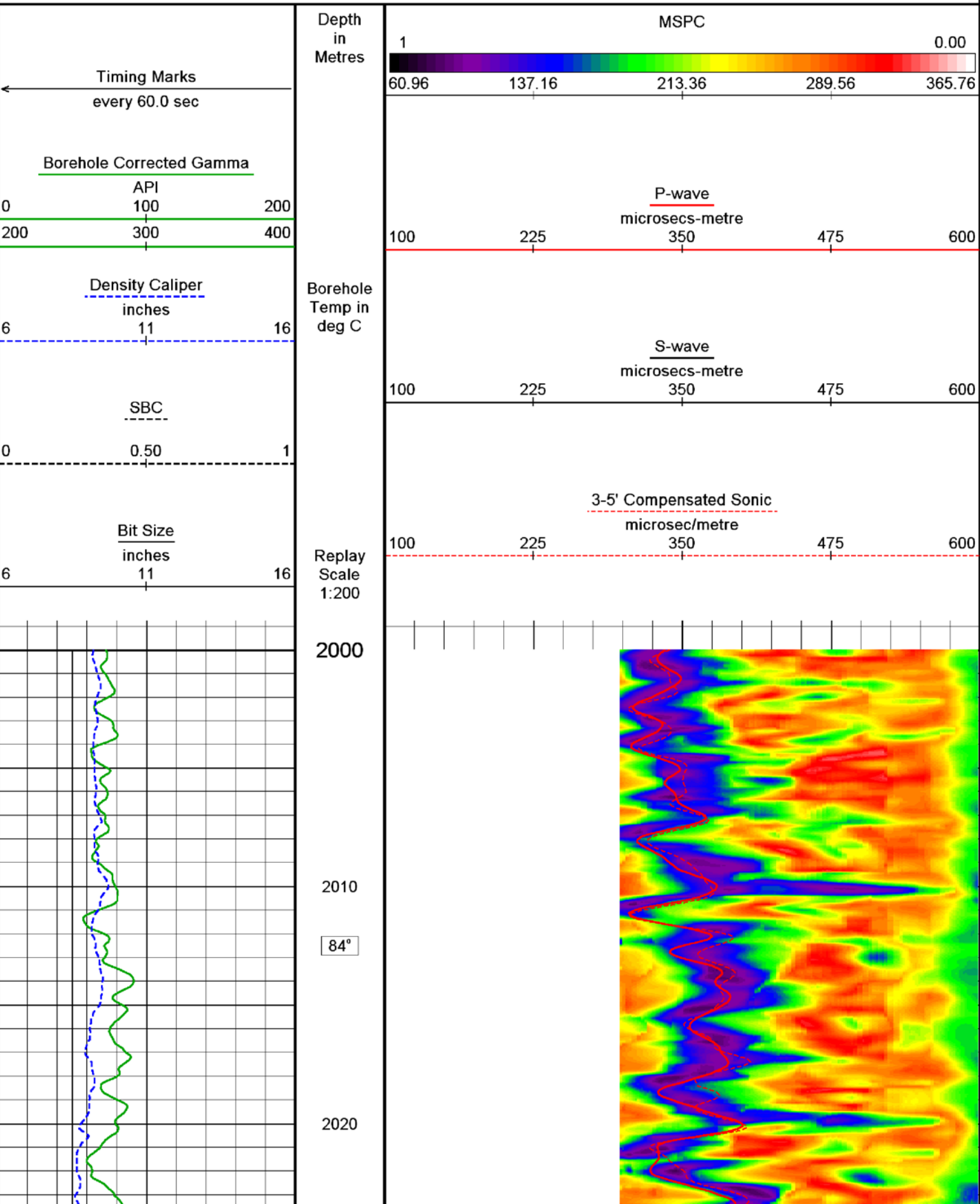
Delta-T P-wave & S-wave  
1:200 MD

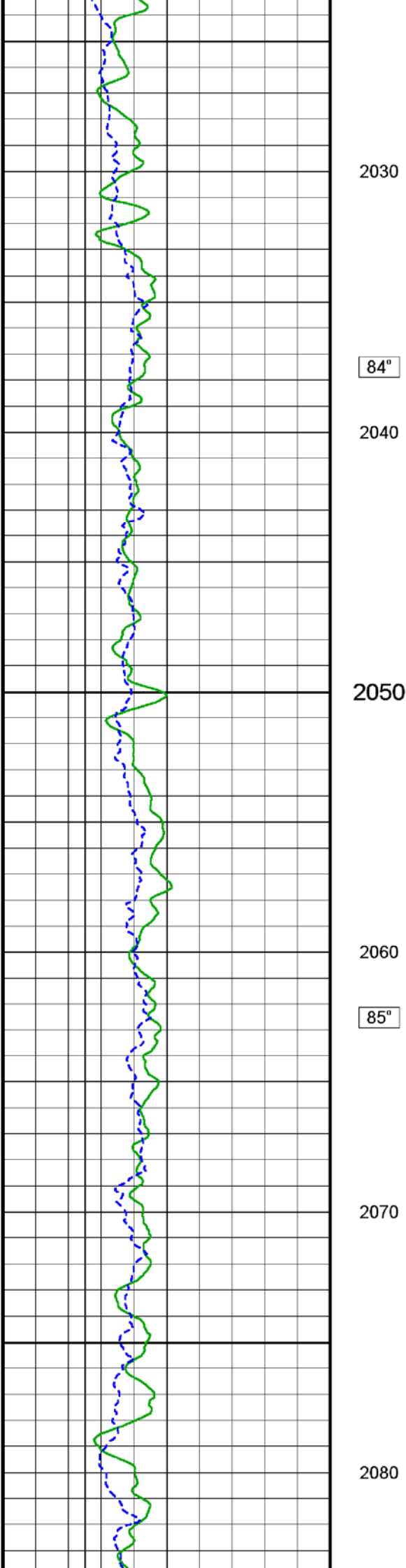
COMPANY	ESSO AUSTRALIA PTY LTD		
WELL	BREAM A14A		
FIELD	BREAM		
PROVINCE/COUNTY	BASS STRAIT		
COUNTRY/STATE	AUSTRALIA		
LOCATION	S 38 29 58.847, E 147 46 20.327 N 5738459.560 m, E 567344.810 m		
LSD	SEC	TWP	RGE
API Number	Other Services		
Permit Number	COMPENSATED SONIC		
Permanent Datum MSL	, Elevation 0.0		metres
Log Measured From RT @ 32.82	above Permanent Datum		
Drilling Measured From RT			
Date	13-AUG-2005		Elevations: KB DF GL 32.82 -59.40 metres metres metres
Run Number	ONE		
Depth Driller	3079.00		metres
Depth Logger	3059.55		metres
First Reading	3045.70		
Last Reading	1006.00		
Casing Driller	1006.00		metres
Casing Logger	1006.00		metres
Bit Size	8.50		inches
Hole Fluid Type	KCL/GLY/POLY		
Density / Viscosity	10.20 lb/USg	78.00 CP	
PH / Fluid Loss	9.20	2.80 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.156 @ 25.0		ohm-m
Rmf @ Measured Temp	0.098 @ 25.0		ohm-m
Rmc @ Measured Temp	0.277 @ 25.0		ohm-m
Source Rmf / Rmc	PRESS	PRESS	
Rm @ BHT	0.059 @104.8	ohm-m	
Time Since Circulation	28.5 HRS		
Max Recorded Temp	104.80	deg C	
Equipment Name	5" CWS/CML		
Equipment / Base	1	SALE	
Recorded By	G. MCMANUS, B. MOSS		
Witnessed By	TREVOR LOBO		
CIRC STOPPED	22:45 11-AUG		

BOREHOLE RECORD			Last Edited: 13-AUG-2005 22:05	
Bit Size inches	Depth From metres		Depth To metres	
8.500	1006.00		3079.00	
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K-55	10.750	0.00	1006.00	40.50

REMARKS
RIG: NABORS 453
5" SHUTTLE/MEMORY COMPACT OPERATION. CREW: G MCMANUS , B MOSS , B GOODWIN, K LUCIEER.
***ORIGINAL WELL DRILLED TO 3079.00 m MDRT.*** ***BHA BRIDGED OFF AT 3064.00 m MDRT. TOOLS DEPLOYED AT 3005.00 m MDRT. BITDEPTH 3059.10 m MDRT.***
LOGGING SPEED 6 m/min FROM 3059 m MD TO 2078 m MD. LOGGING SPEED 12 m/min FROM 2078 m MD TO 1006 m MD.
RUSH LOGS DEPTH SHIFTED TO ANADRILL GAMMA RAY ONLY. FIELD FINAL LOGS DEPTH CORRELATED TO ANADRILL GAMMA LOG.
MAX. TEMPERATURE: 104.8 DEG C AT 3008.20 m MDRT MAX. INCLINATION: 46.01 DEG AT 1166.89 m MDRT MAX. DOGLEG SERVERITY: 6.79 DEG/30m AT 2345.91 m MDRT DEPLOYMENT ANGLE: 22 DEG
HVOL to 2100m (Cement Top): 1350 FT^3 AVOL to 2100m (Cement Top): 525 FT^3
HVOL to 1006 m : 3160 FT^3 AVOL to 1006 m : 1370 FT^3

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.





2030

$84^{\circ}$

2040

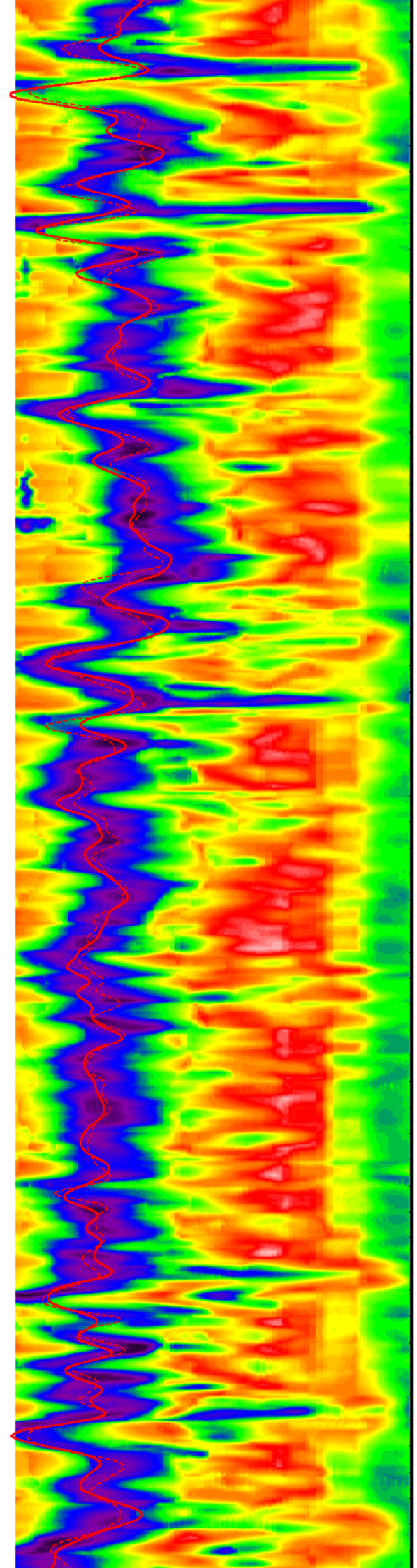
2050

2060

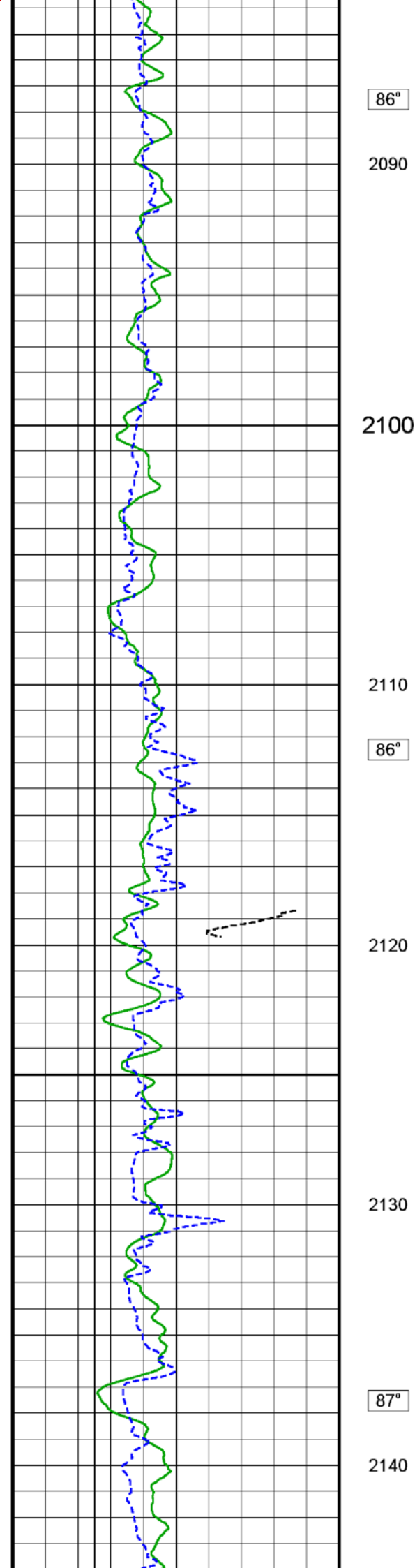
$85^{\circ}$

2070

2080







86°

2090

2100

2110

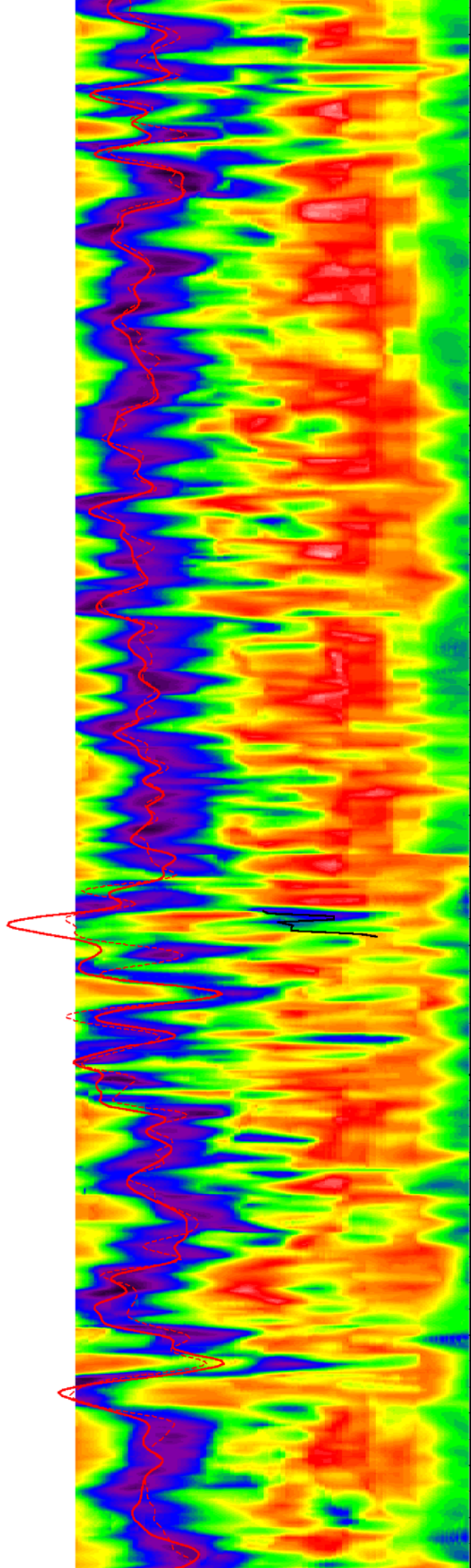
86°

2120

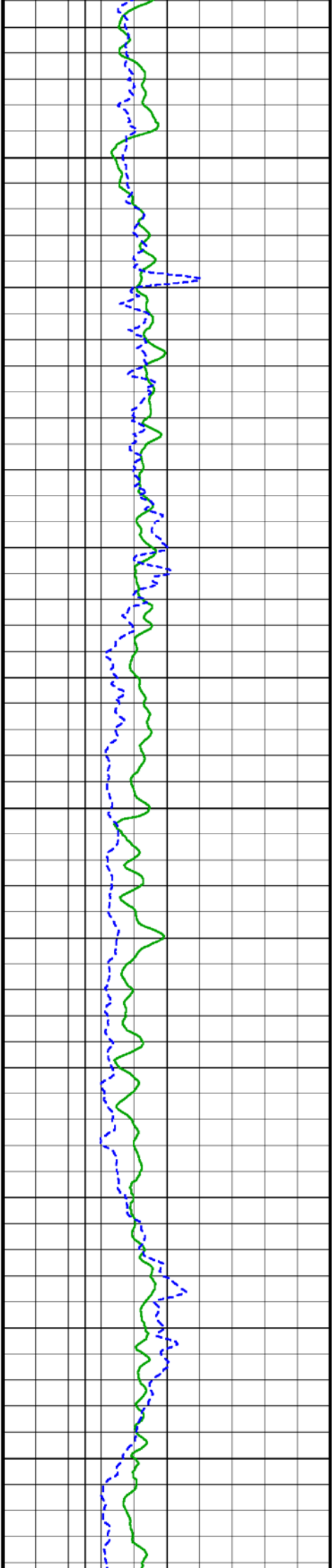
2130

87°

2140







2150

2160

87°

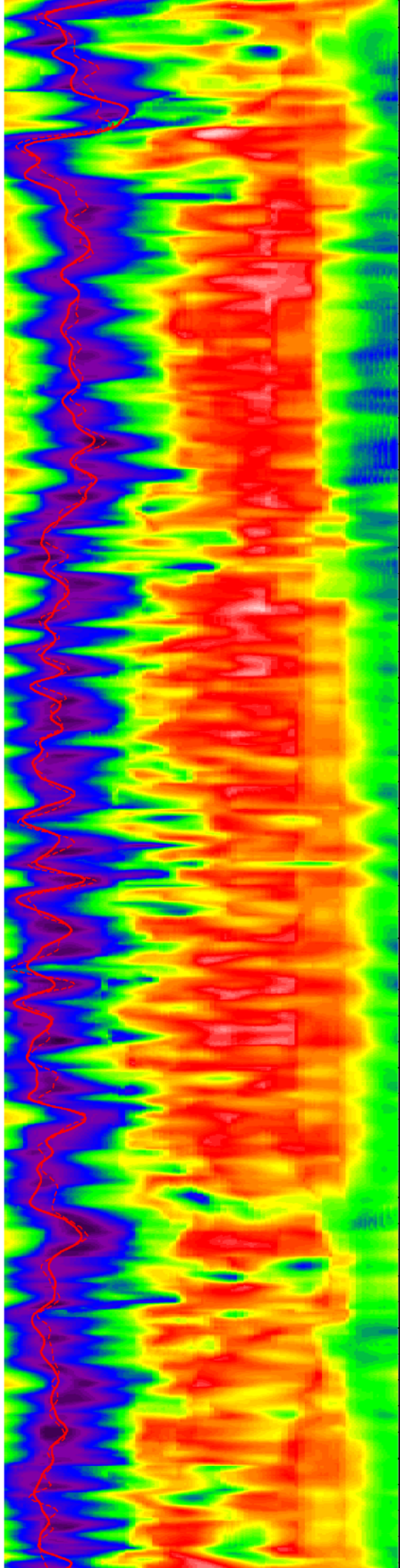
2170

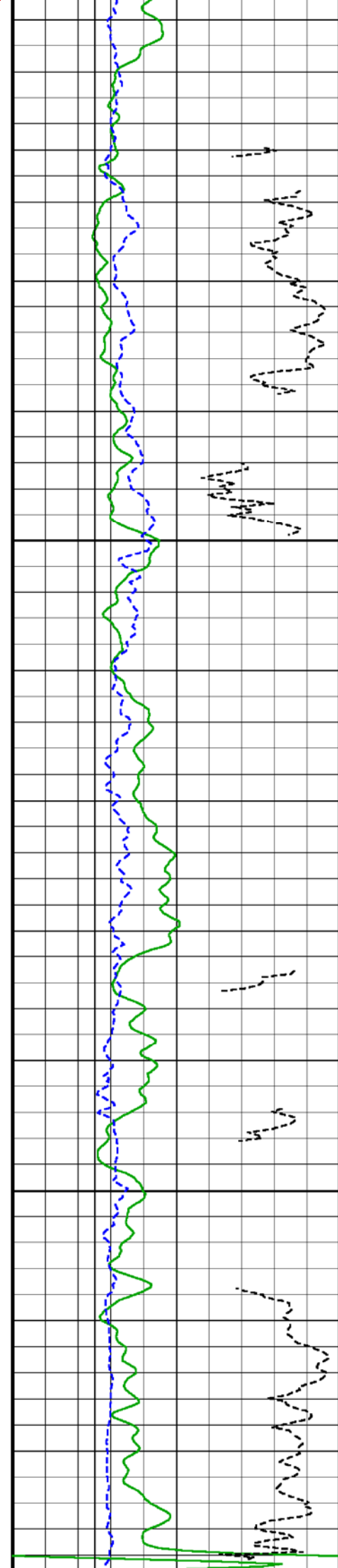
2180

87°

2190

2200





2210

88°

2220

2230

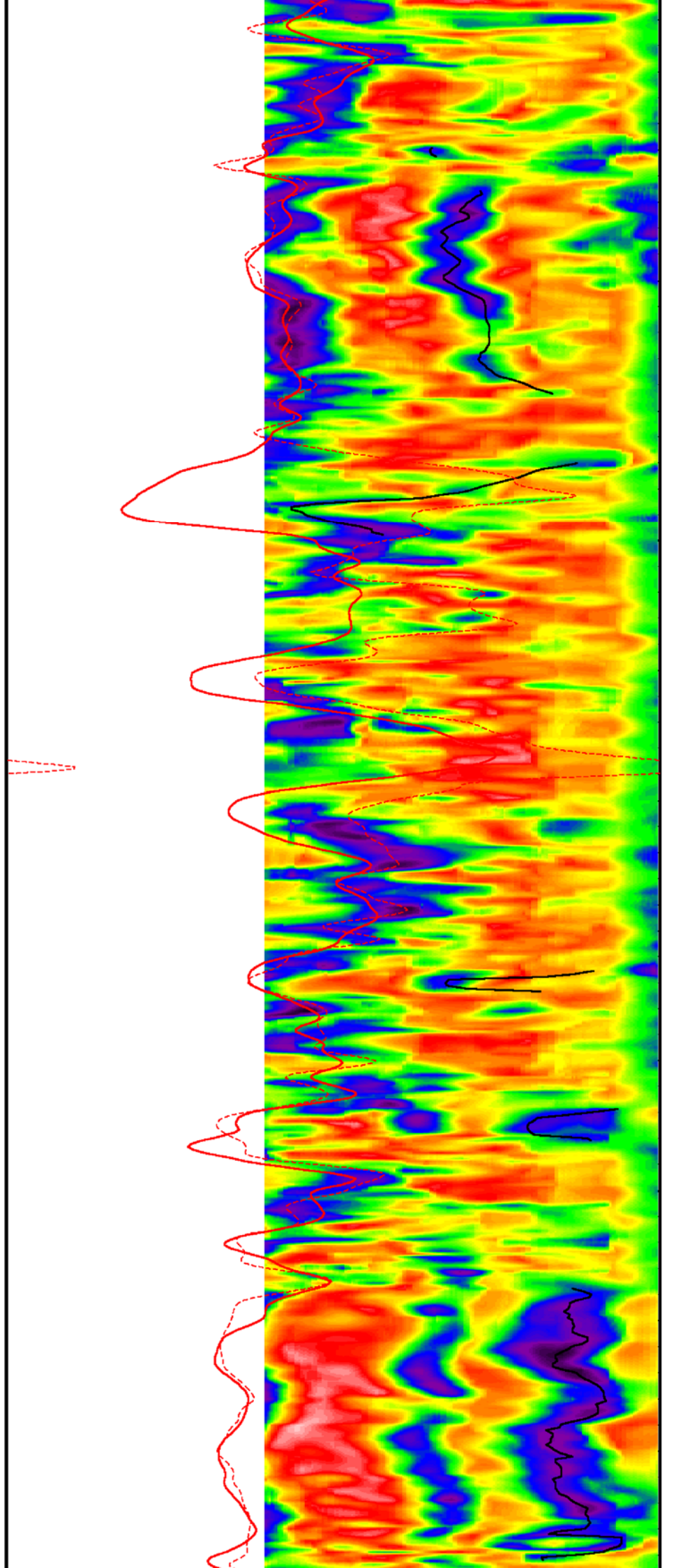
88°

2240

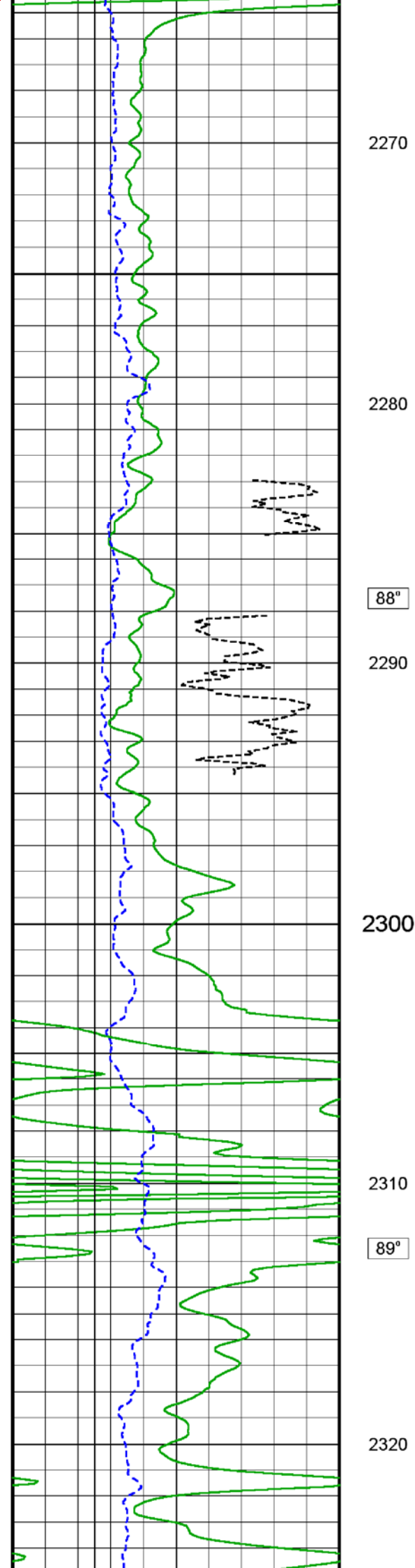
2250

2260

88°







2270

2280

88°

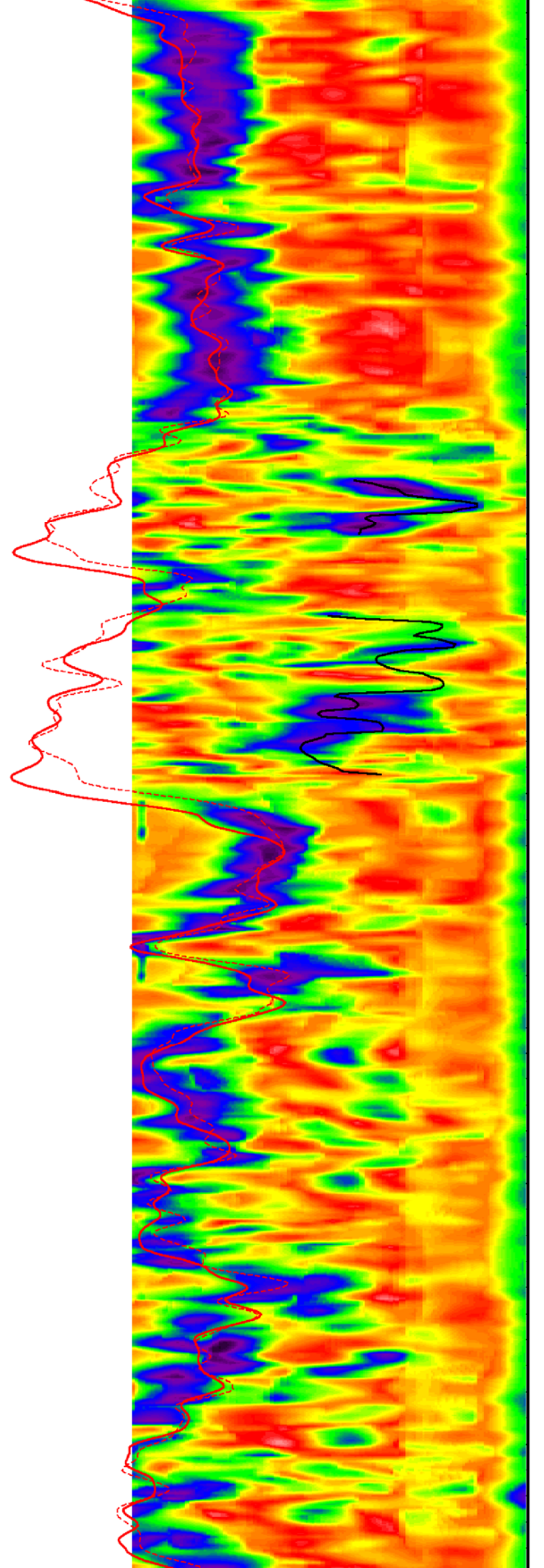
2290

2300

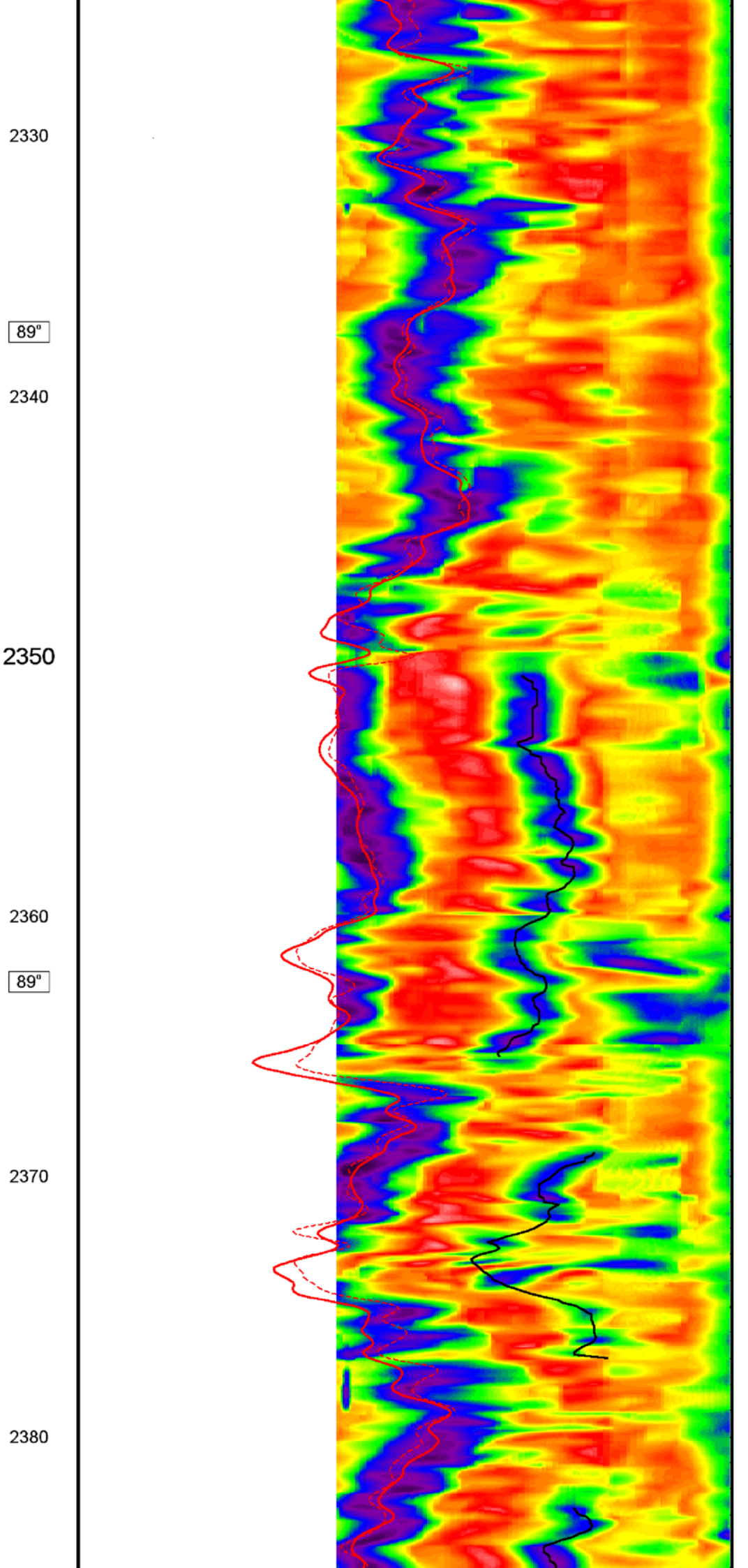
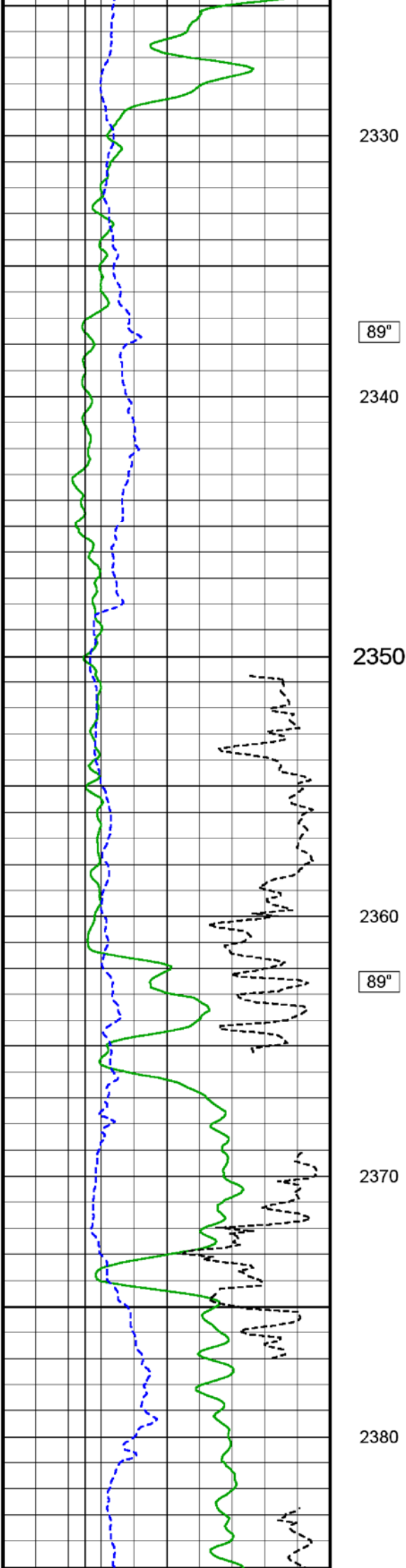
2310

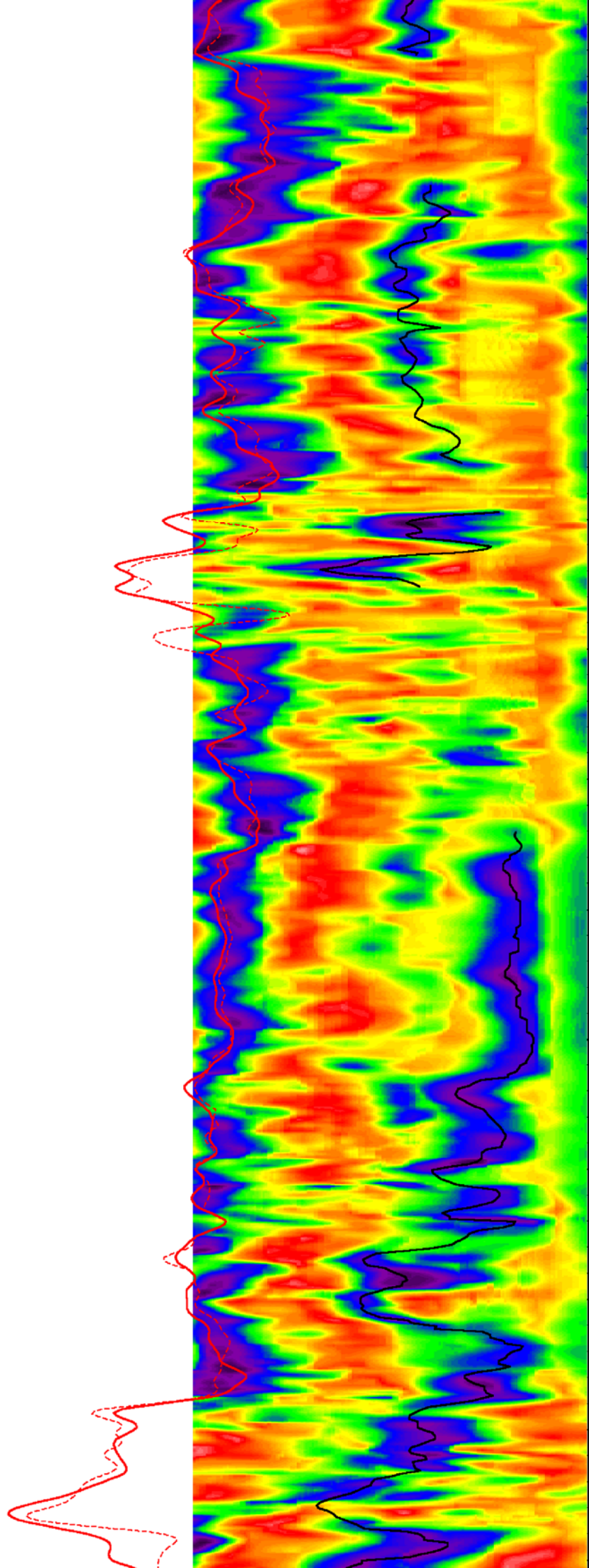
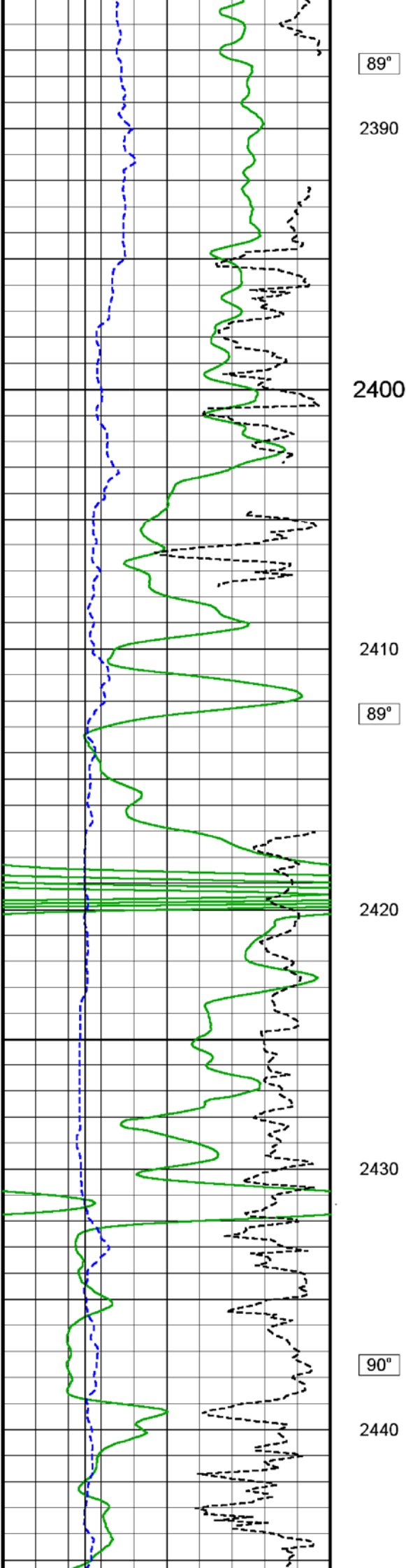
89°

2320

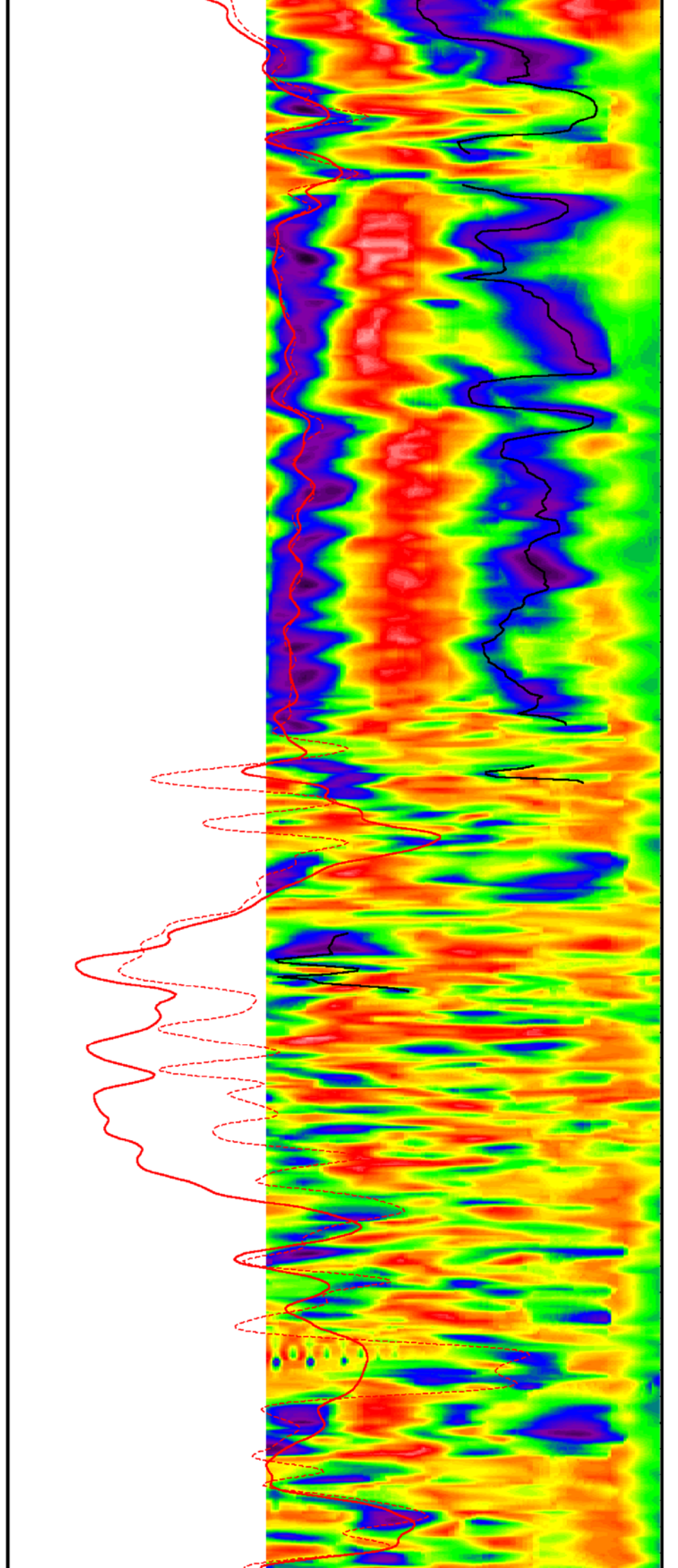
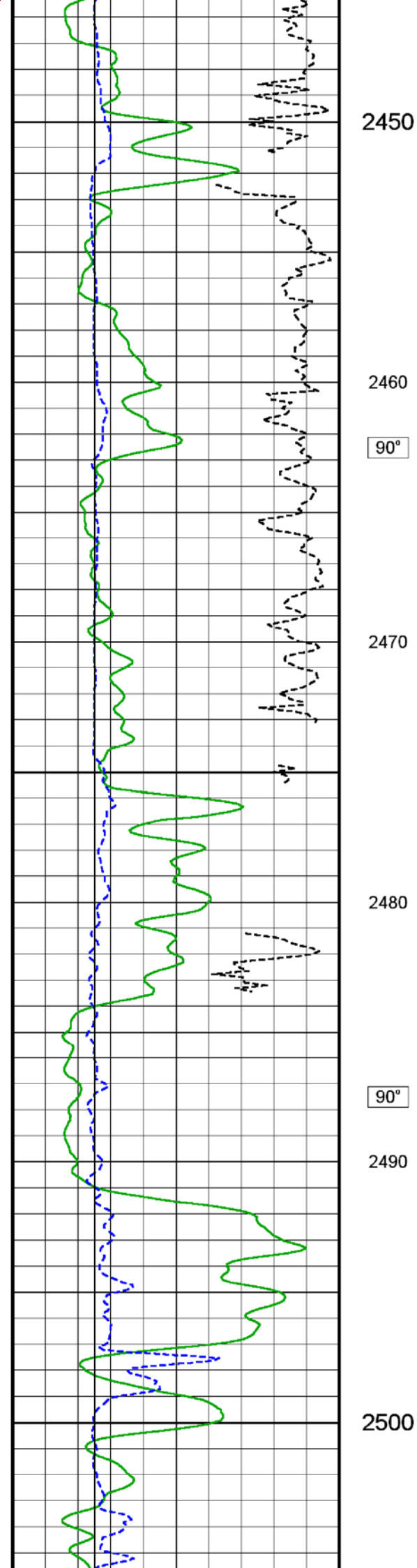




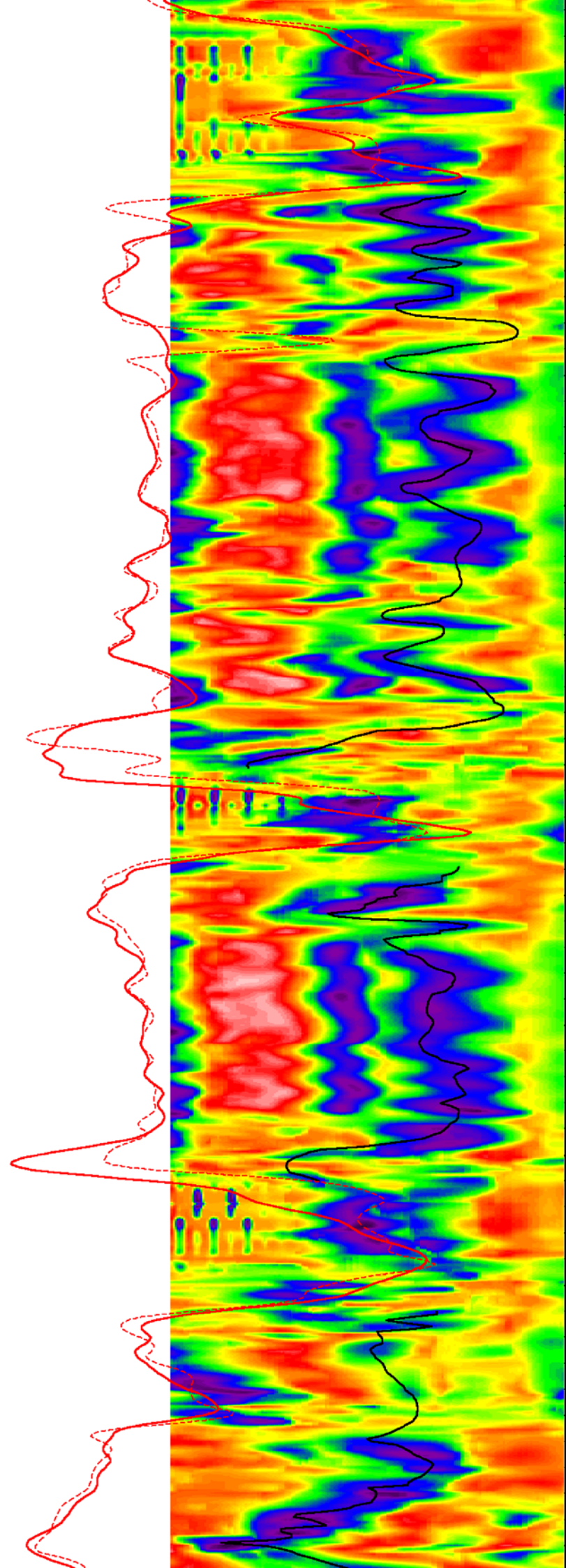
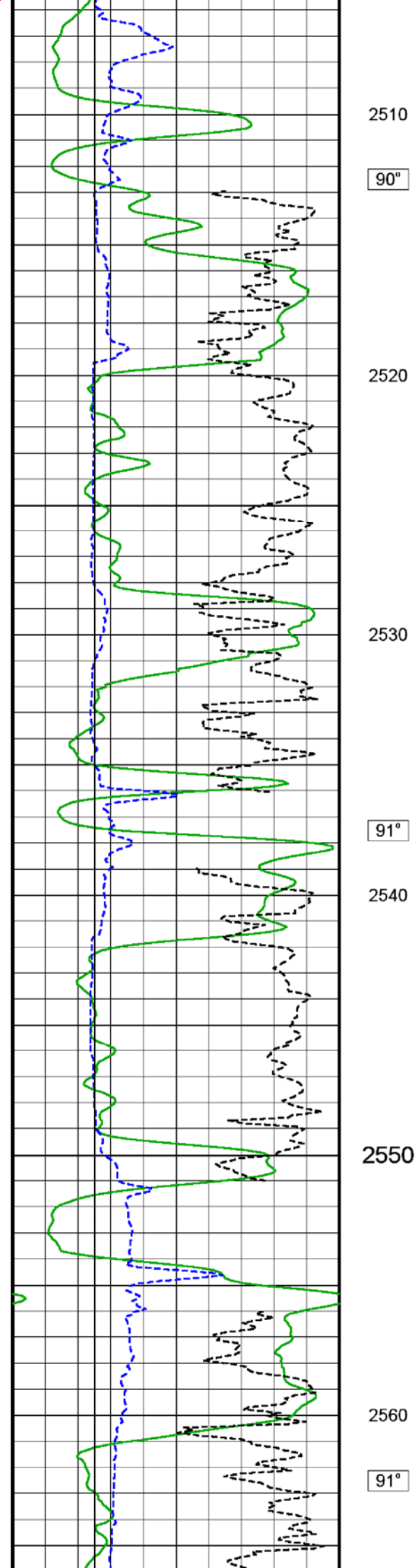


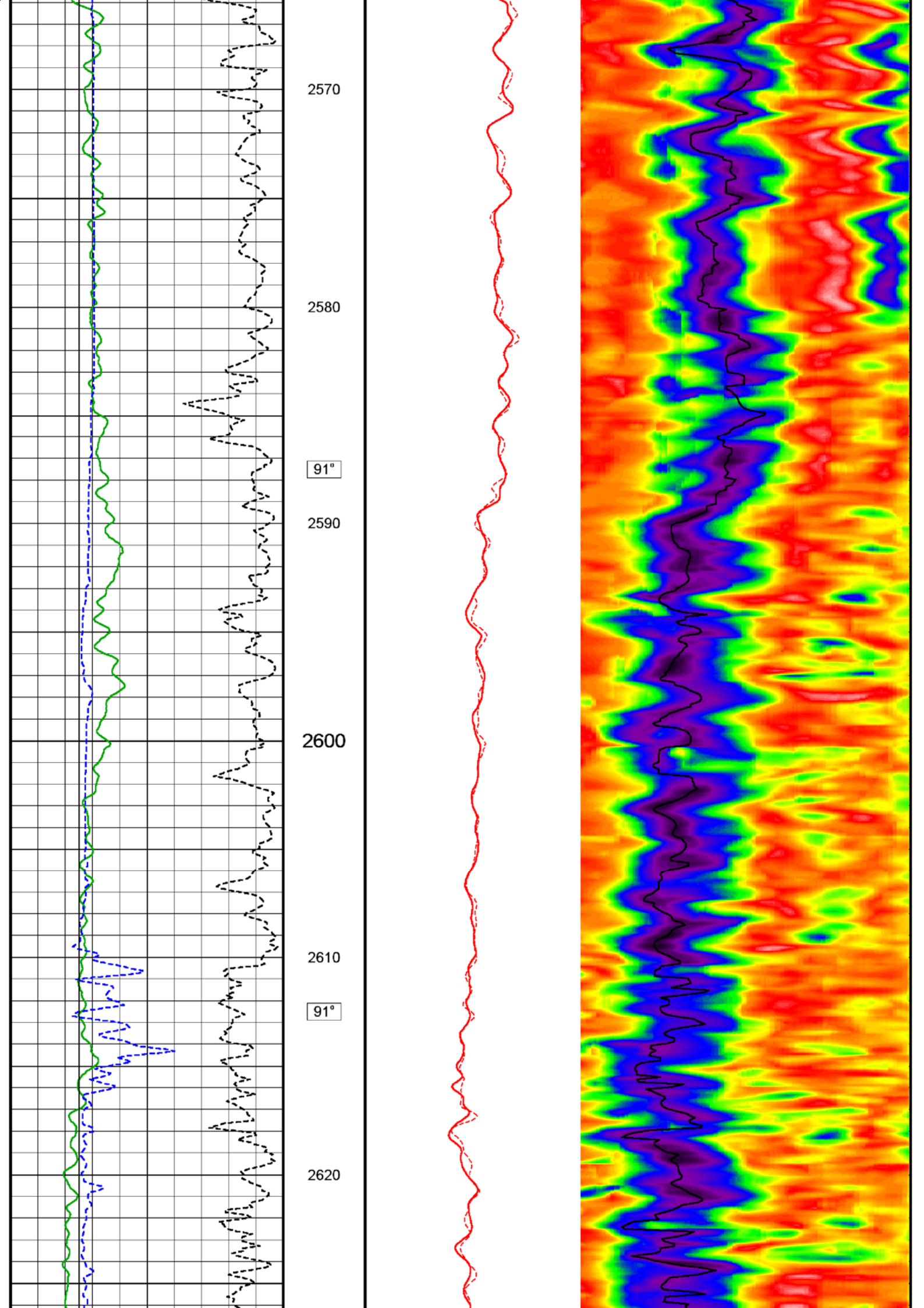




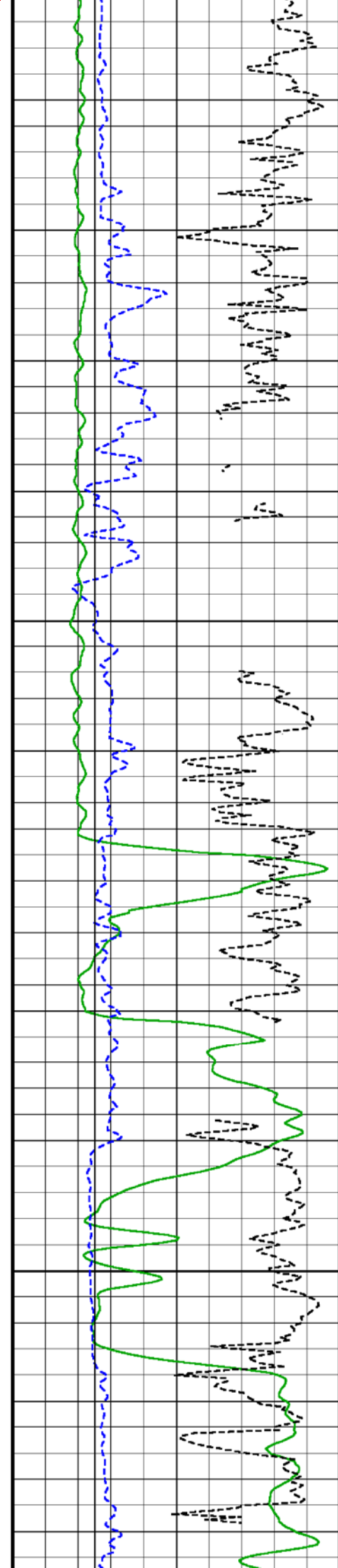












2630

91°

2640

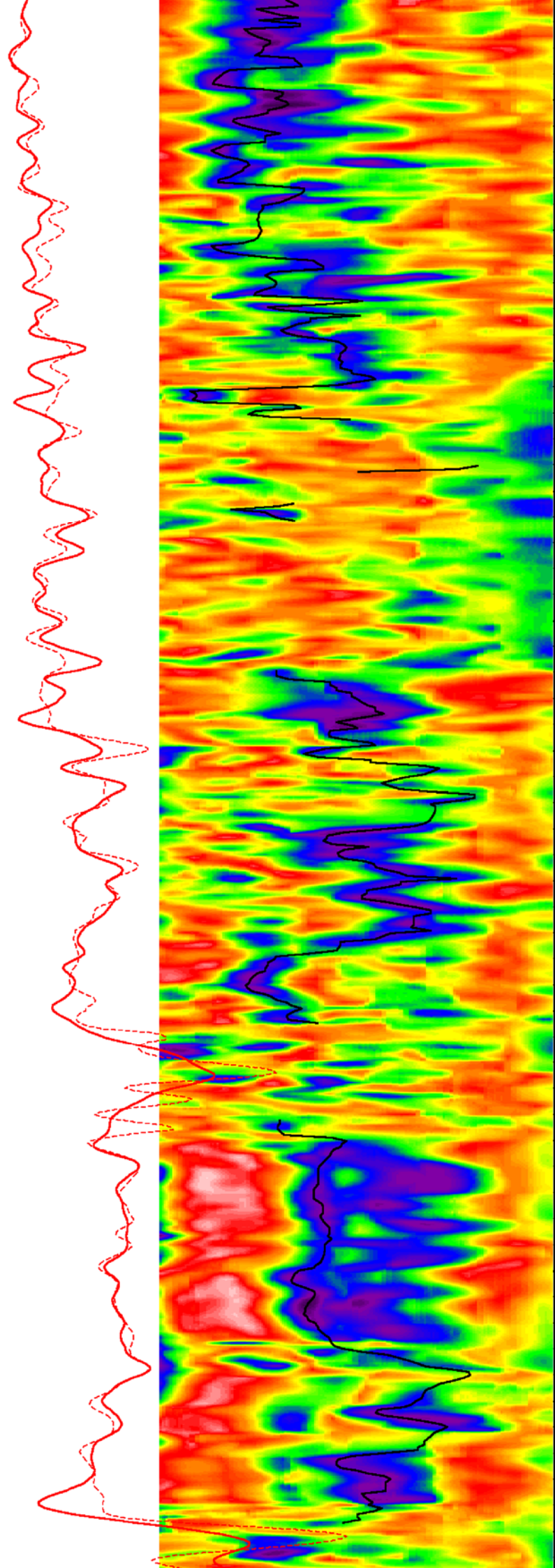
2650

2660

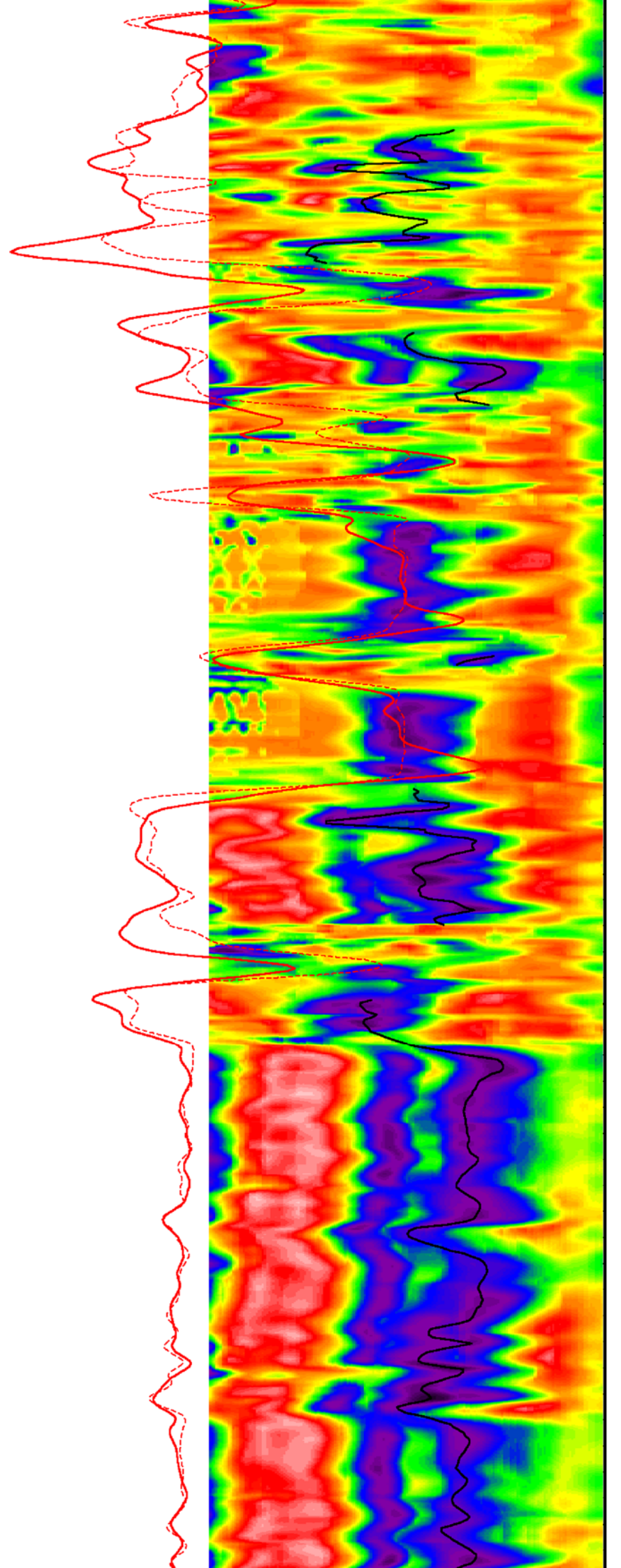
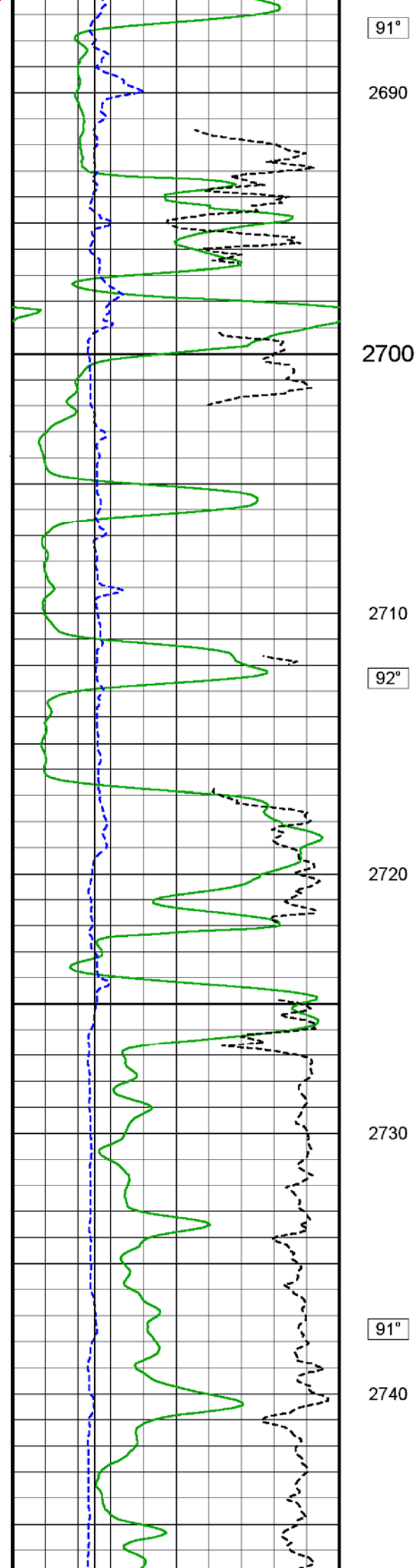
92°

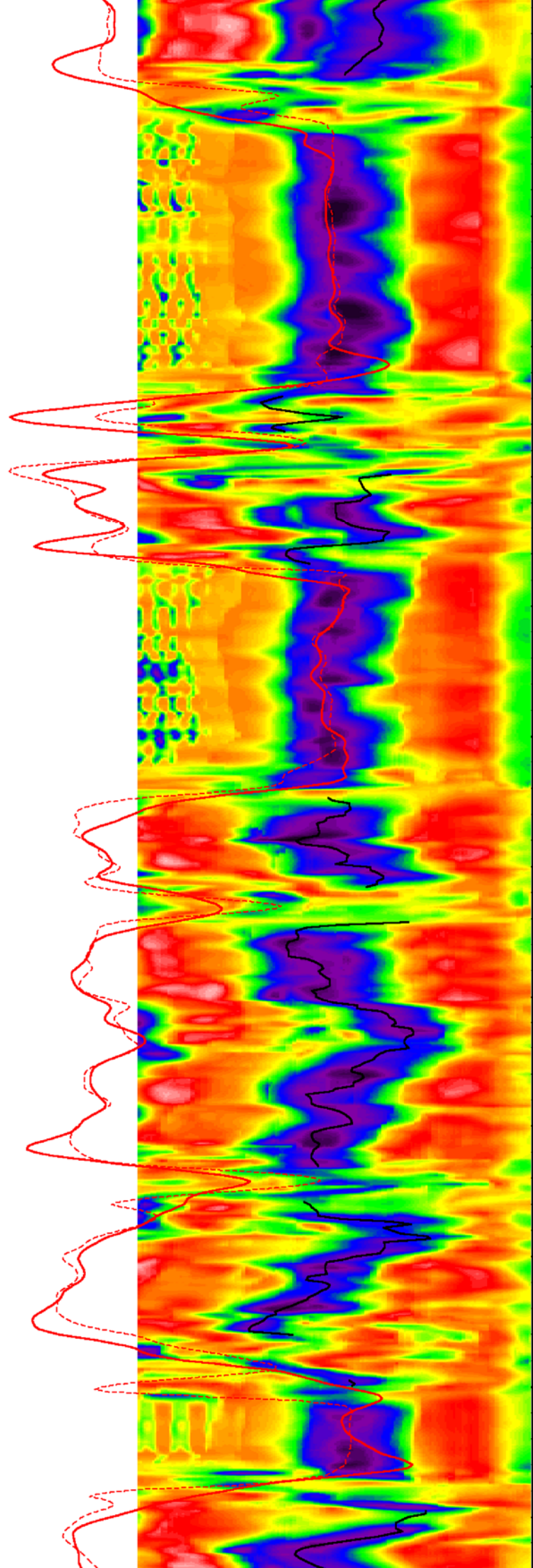
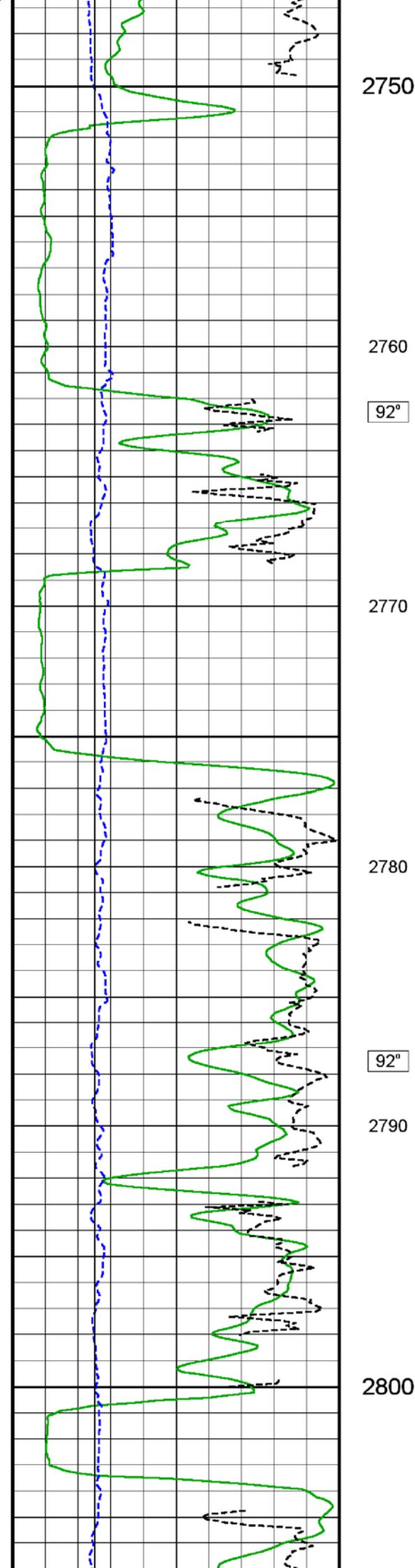
2670

2680

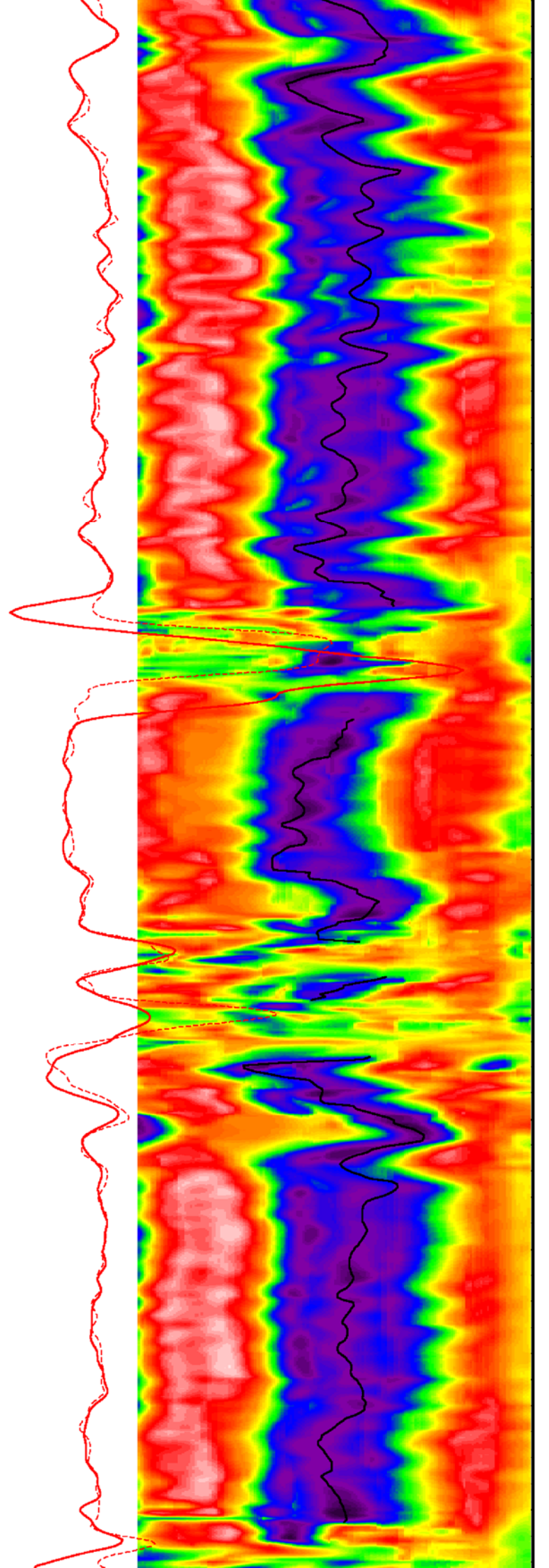
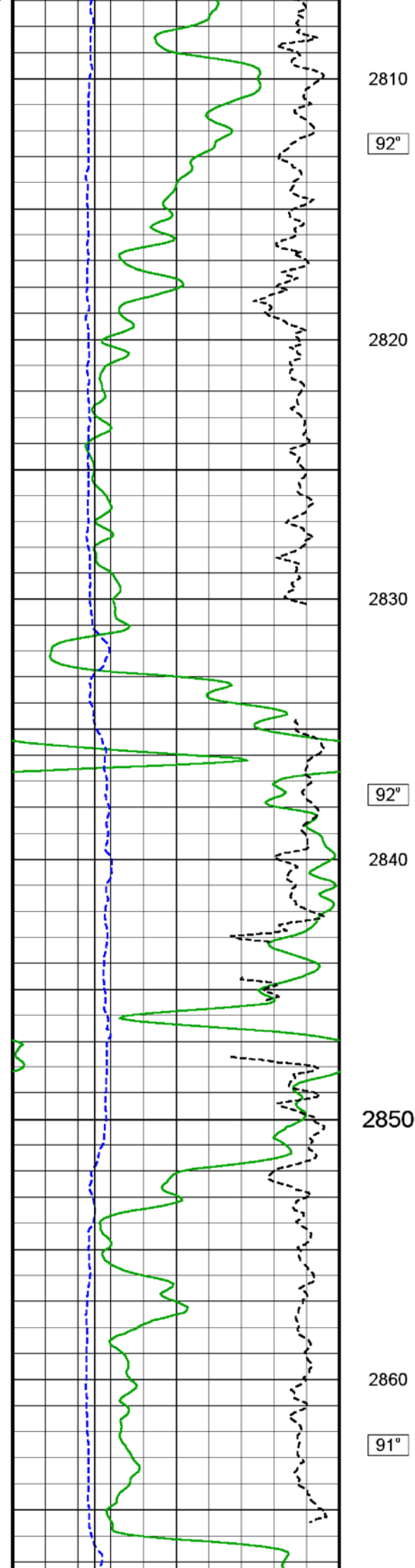




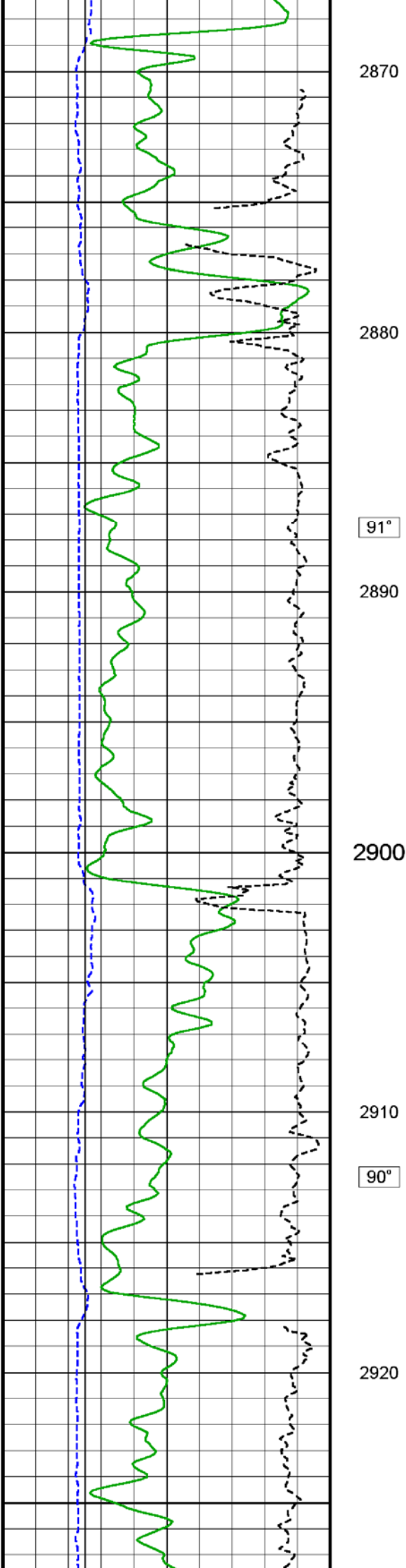












2870

2880

$91^\circ$

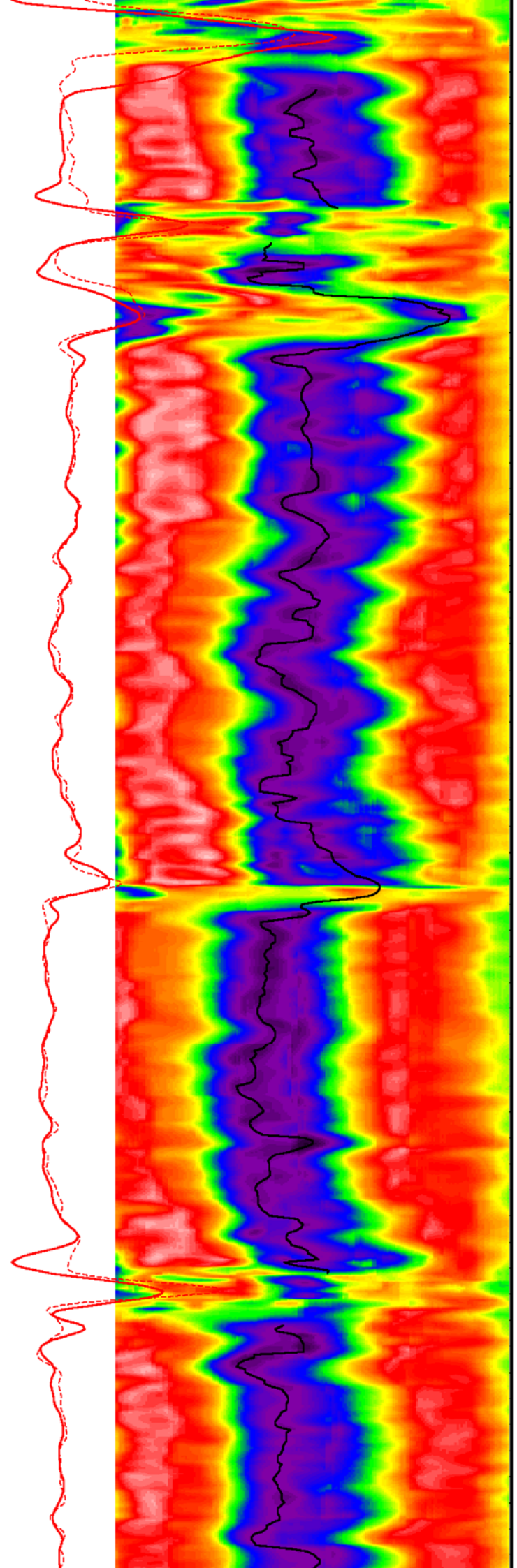
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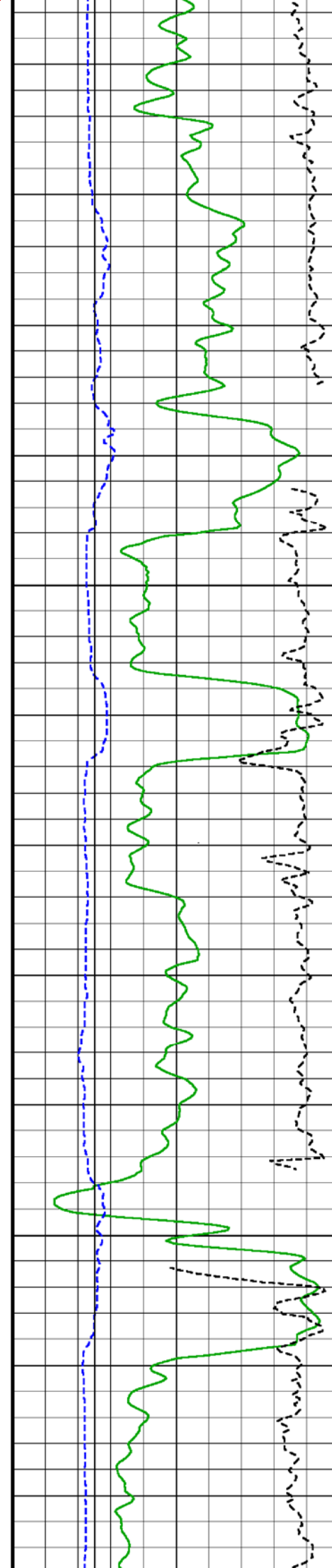
2900

2910

$90^\circ$

2920





2930

91°

2940

2950

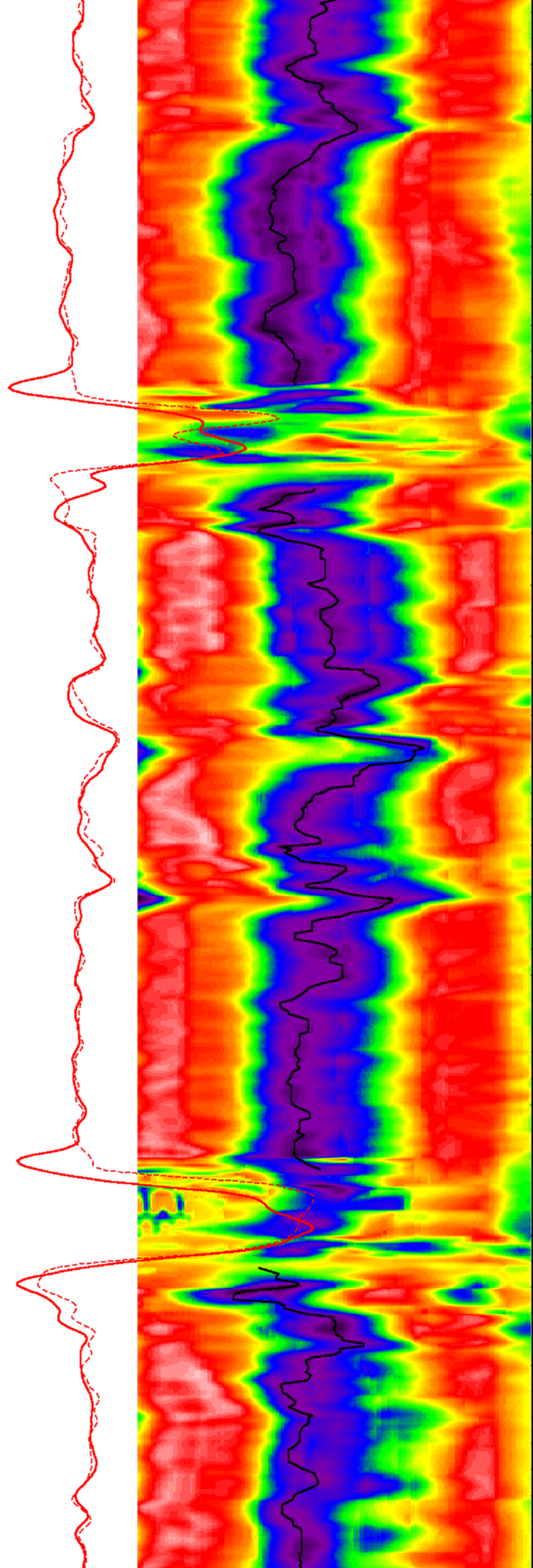
2960

93°

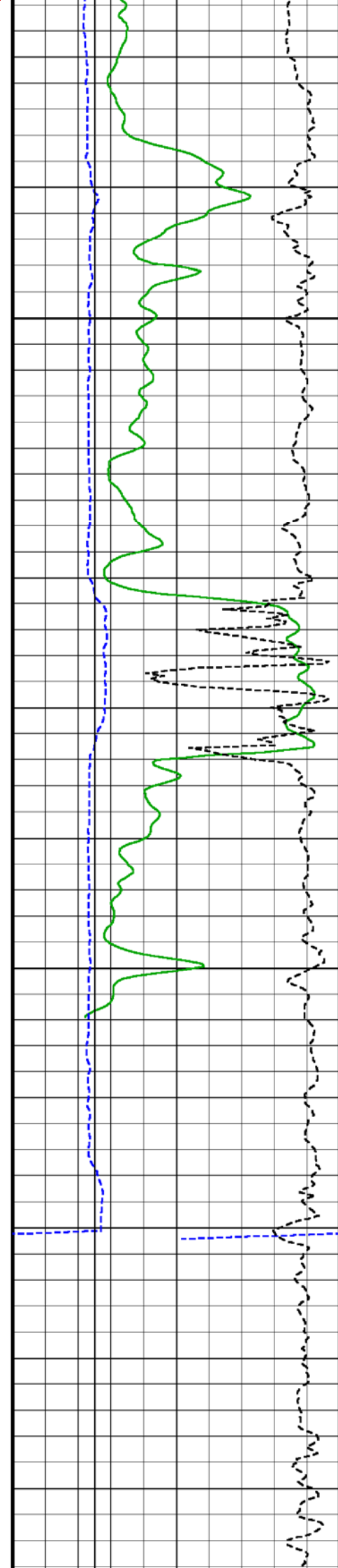
2970

2980

97°







2990

3000

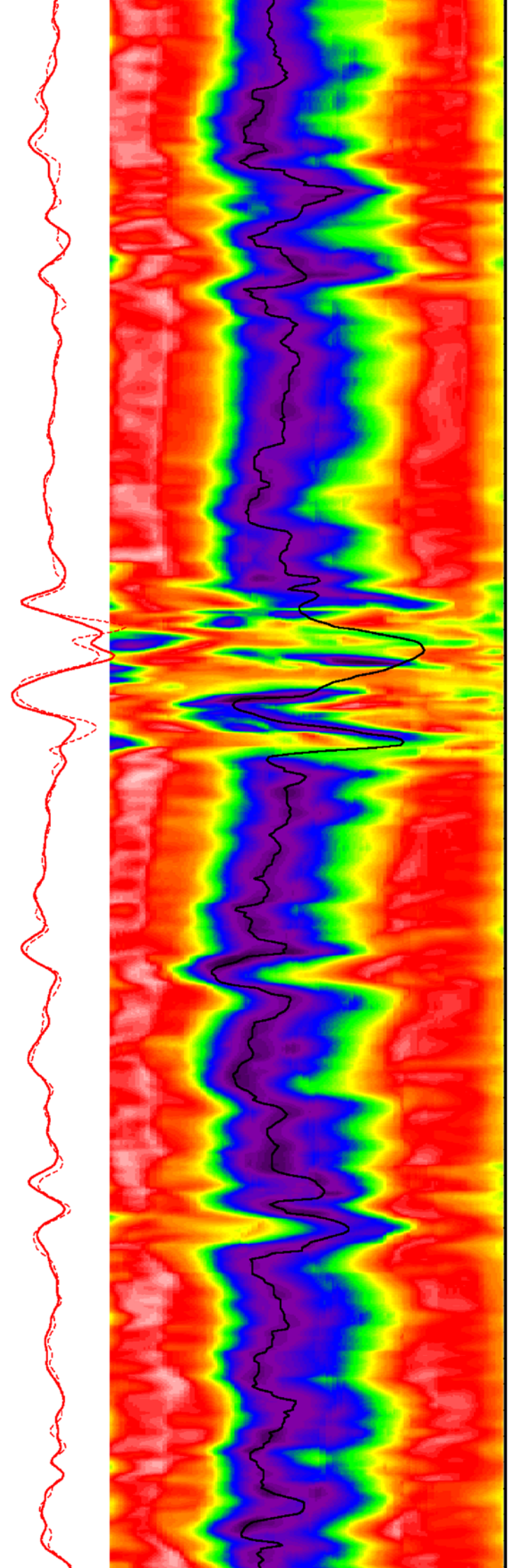
3010

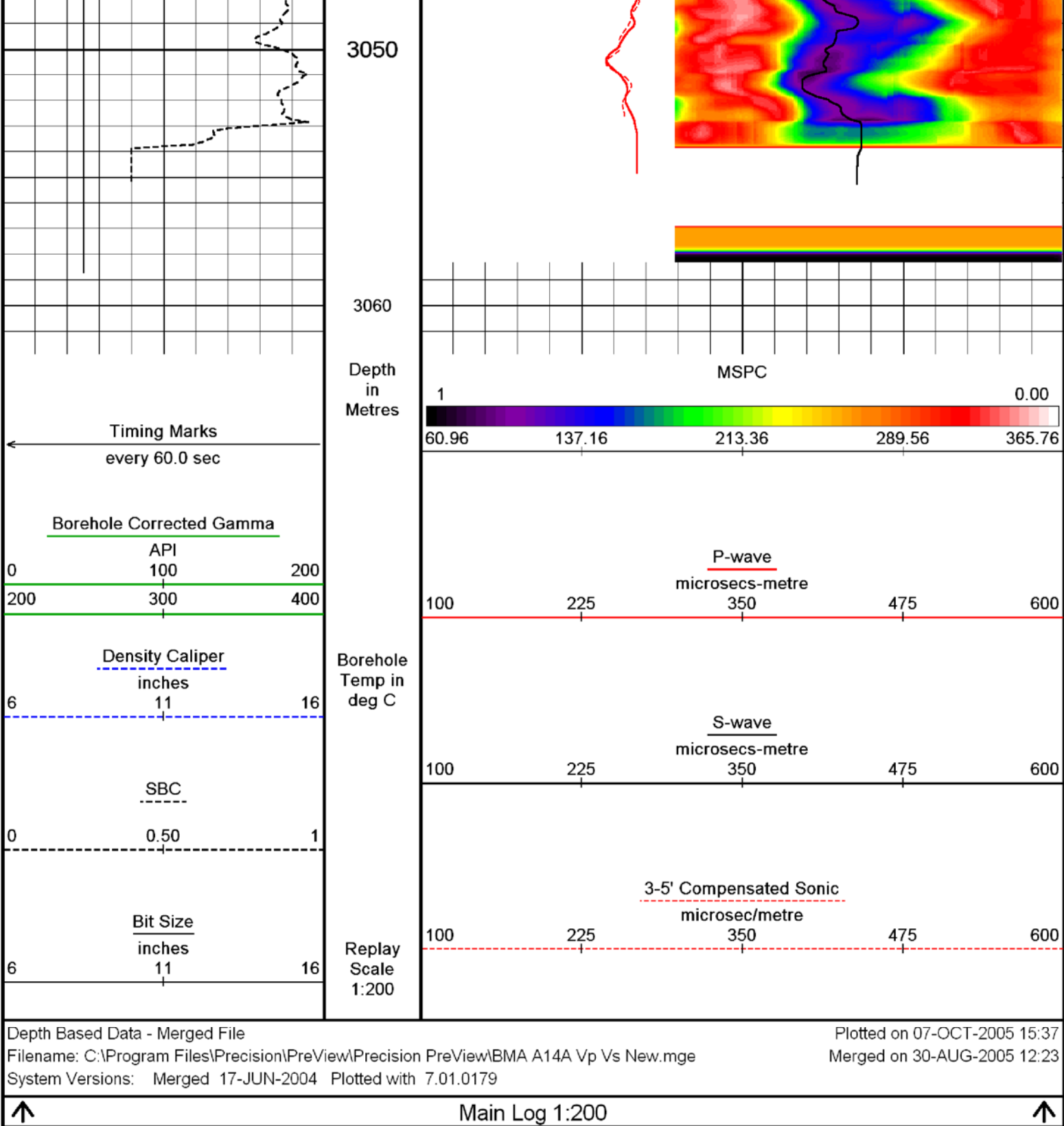
3020

3030

3040

105°





BEFORE SURVEY CALIBRATION

C:\Program Files\Precision\PreView\Precision PreView\BMA\_A14A\_MAIN\_LOG\_TC.dta

General Constants All 000

Last Edited on 13-AUG-2005,22:26

General Parameters

Mud Resistivity	0.156	ohm-metres
Mud Resistivity Temperature	25.000	degrees C
Water Level	0.000	metres
Density/Neutron Processing	Wet Hole	

Hole/Annular Volume and Differential Caliper Parameters

HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	Density Caliper	
Annular Volume Diameter	7.000	inches
Caliper for Differential Caliper	Density Caliper	

Rwa Parameters



RWA Parameters  
Porosity used  
Resistivity used  
RWA Constant A  
RWA Constant M

Base Density Porosity  
Deep Induction  
0.610  
2.150

## DOWNHOLE EQUIPMENT

C:\Program Files\Precision\PreView\Precision PreView\BMA\_A14A\_MAIN\_LOG\_TC.dta

Compact Swivel Head Adaptor F

SHA 71 Length: 0.83 m Weight: 26.5 lb

Compact Knuckle Joint

SKJ 100 Length: 0.66 m Weight: 24.3 lb

Extended Battery Sub.

MBS 99 Length: 4.47 m Weight: 90.4 lb

Compact Inline Standoff B

MIS 73 Length: 0.65 m Weight: 15.4 lb

Compact Stiff Bridle Electrode Sub.

MBE 18 Length: 3.76 m Weight: 94.8 lb

Compact Inline Standoff B

MIS 138 Length: 0.65 m Weight: 15.4 lb

Compact Stiff Bridle Electrode Sub.

MBE 19 Length: 3.76 m Weight: 94.8 lb

Compact Inline Standoff B

MIS 136 Length: 0.65 m Weight: 15.4 lb

Third Bridle Sub - MBE 21

MLK 111 Length: 3.76 m Weight: 94.8 lb

Compact Inline Standoff B

MIS 133 Length: 0.65 m Weight: 15.4 lb

Compact Gamma

MCG 43 Length: 2.65 m Weight: 63.9 lb



32.22 m

31.33 m

GGCE - Borehole Corrected Gamma

CGXT - MCG External Temperature

Compact Memory Sub A.C  
MMS 38 Length: 0.95 m Weight: 30.9 lb

Compact Knuckle Joint  
SKJ 45 Length: 0.66 m Weight: 24.3 lb

Compact Swivel Head Adaptor F  
SHA 64 Length: 0.83 m Weight: 26.5 lb

Compact Inline Bowspring A  
MIS 94 Length: 1.74 m Weight: 33.1 lb

Compact Neutron  
MDN 119 Length: 1.53 m Weight: 50.7 lb

Compact Density/Caliper  
MPD 121 Length: 2.92 m Weight: 90.4 lb

Compact Inline Bowspring A  
MIS 24 Length: 1.74 m Weight: 33.1 lb

Compact Swivel Head Adaptor  
SHA 28 Length: 0.83 m Weight: 26.5 lb

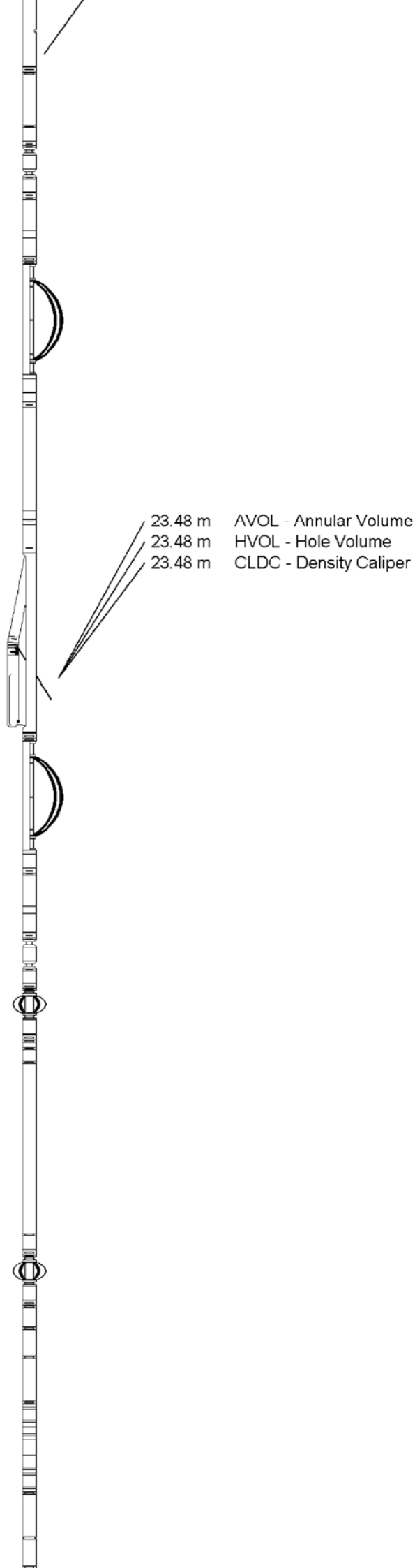
Compact Knuckle Joint  
SKJ 110 Length: 0.66 m Weight: 24.3 lb

Compact Inline Standoff B  
MIS 72 Length: 0.65 m Weight: 15.4 lb

Compact Upper Guard Sub.  
MUG 20 Length: 2.74 m Weight: 68.3 lb

Compact Inline Standoff B  
MIS 141 Length: 0.65 m Weight: 15.4 lb

Compact Laterolog Electrode Sub.  
MLE 31 Length: 3.76 m Weight: 92.6 lb





[illegible]

4.60 m	TR21 - 3' Transit Time
4.60 m	TR12 - 6' Transit Time
4.60 m	TR22 - 5' Transit Time
4.60 m	TR11 - 4' Transit Time

4.60 m DT35 - 3-5' Compensated Sonic

Tool Zero (0.44m from bottom)

All measurements relative to tool zero.

First Reading	3045.70	metres
Depth Driller	3079.00	metres
Depth Logger	3059.55	metres

