


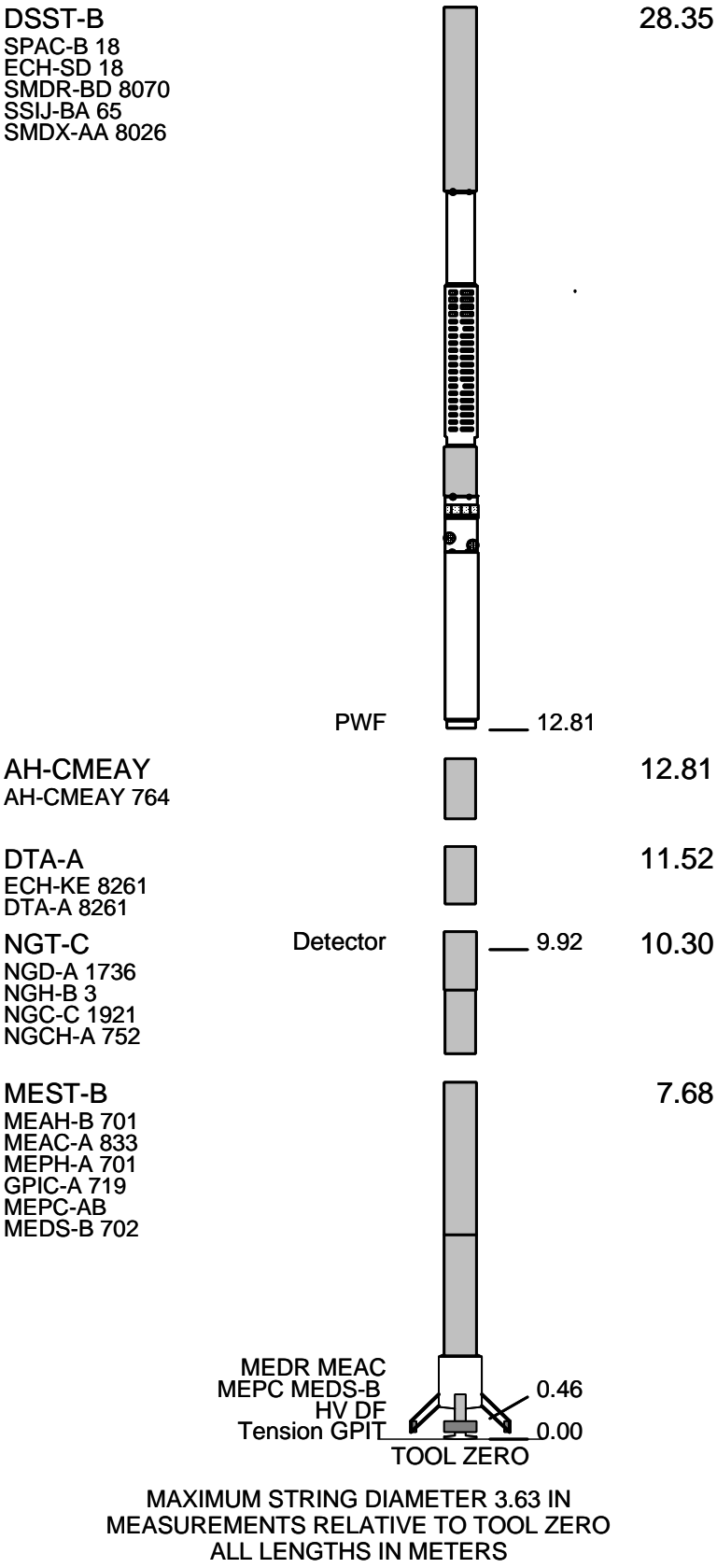


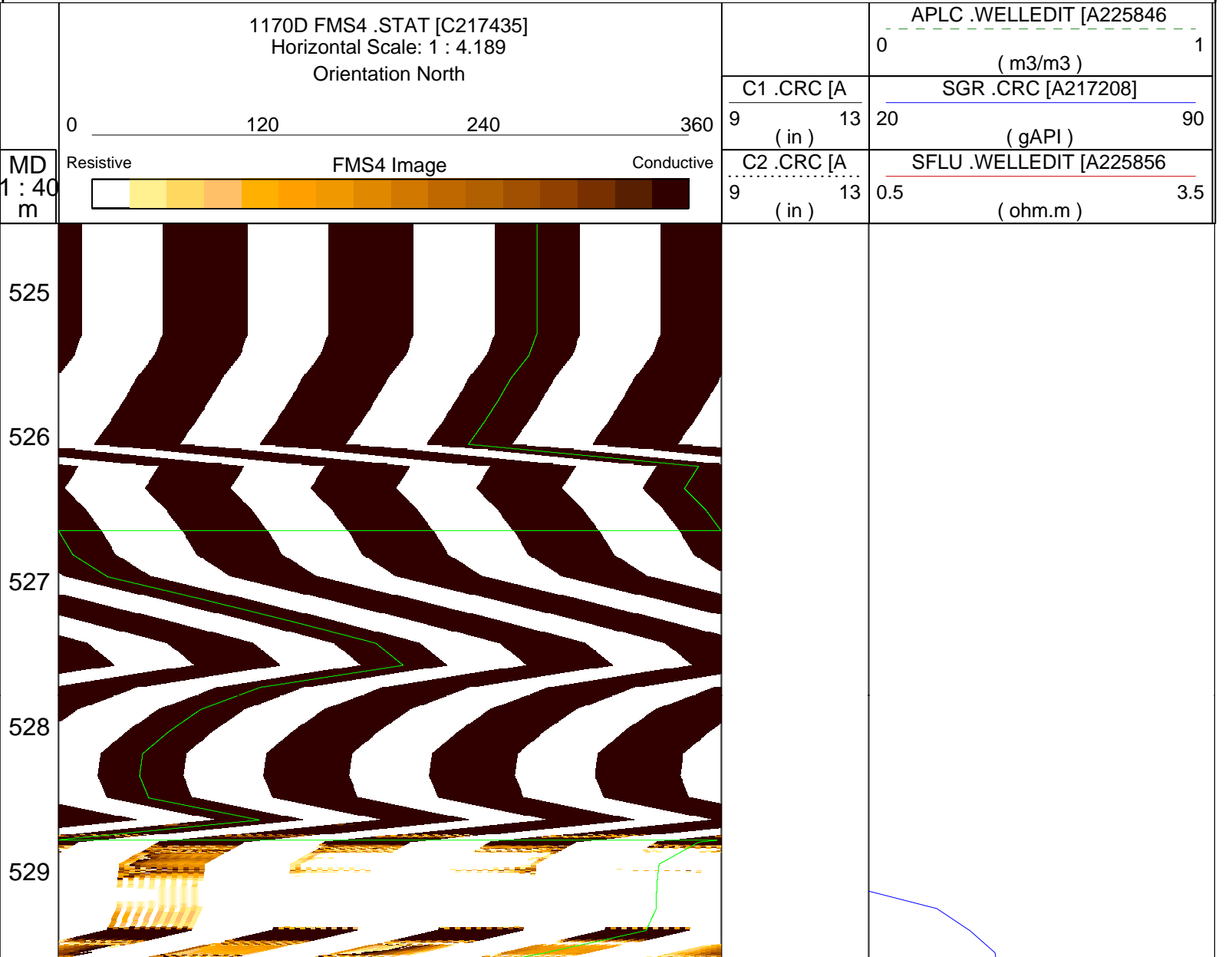
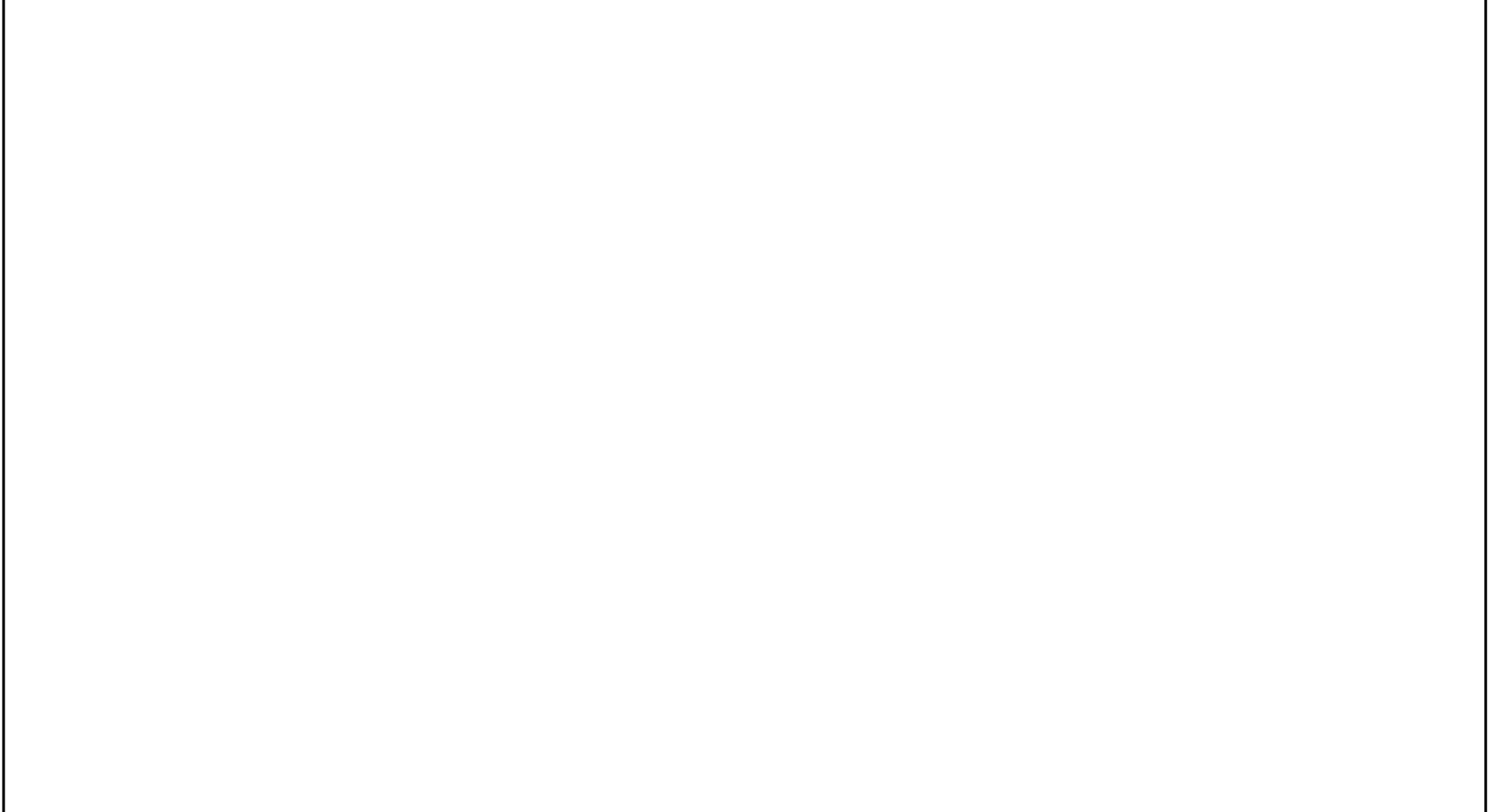
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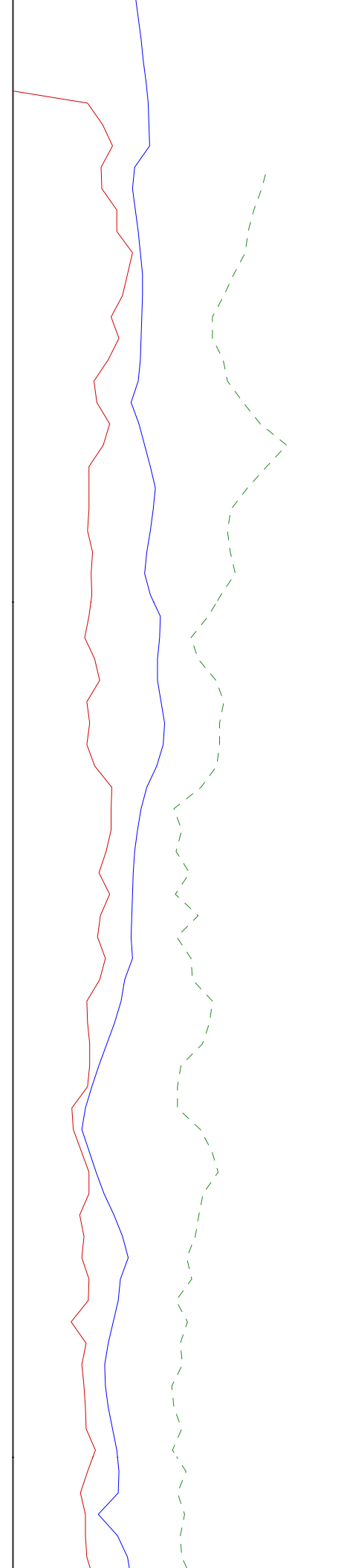
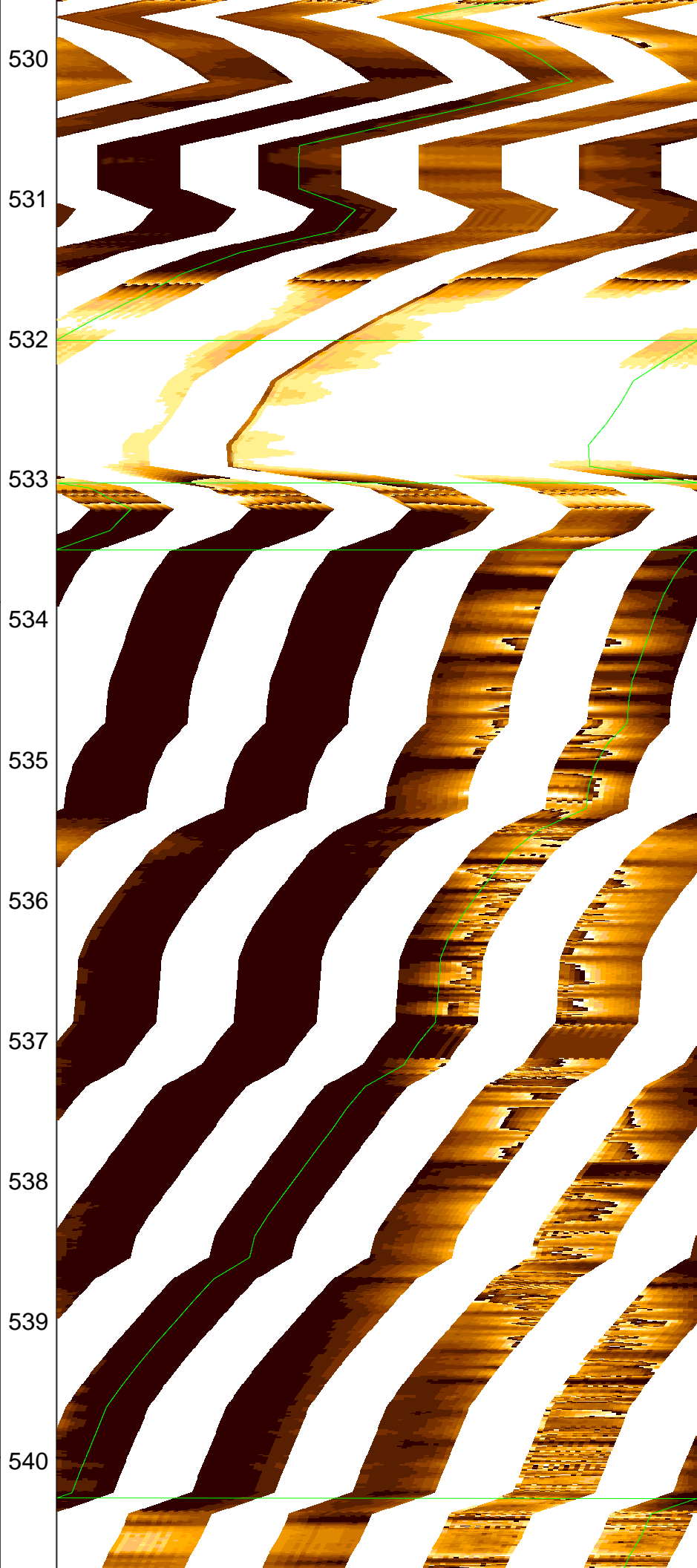
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, 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 CLAUSE 4 OF OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

OTHER SERVICES1 OS1: DSI/GHMT OS2: DITE/HLDS/APS/HNGS OS3: OS4: OS5:			OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:		
REMARKS: RUN NUMBER 1 Hole cored with APC/XCB. Sea Floor at 2715.8 MBRF (Driller), Logger depth of sea floor not found. Log presented in meters below rig floor. Lamont Temperature Tool (TAP) run on DITE/HLDS/APS/HNGS only. Toolstring -MESTB/NGTC/DSST Wireline heave compensator (WHC) used on all descents. Sepiolite mud was used to displace the borehole. Drillers TD- 3496 mbrf. Loggers TD- 3497.5 mbrf. Drill pipe Logger- 3245 mbrf. Drill pipe Driller - 3249 mbrf. FMS EMEX voltage of 50v and gain of 2 used on main pass. Vertical ship heave of 12-15 ft. produces stick/slip images. Processed FMS data with Geoframe software by Patrick Fothergill and Ulysses S. Ninnemann of Lamont Doherty.			REMARKS: RUN NUMBER 2		
RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: 9C1-303 FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION			
RUN 1		RUN 2	
SURFACE EQUIPMENT			
GSR-U WITM (DTS)-A			
DOWNHOLE EQUIPMENT			
LEH-QT			31.45
LEH-QT			
DTC-H	CTEM		
ECH-KC 8253	TelStatus		30.28
	ToolStatu		30.56
			29.64
AH-cmeay			29.64
AH-cmeay 765			

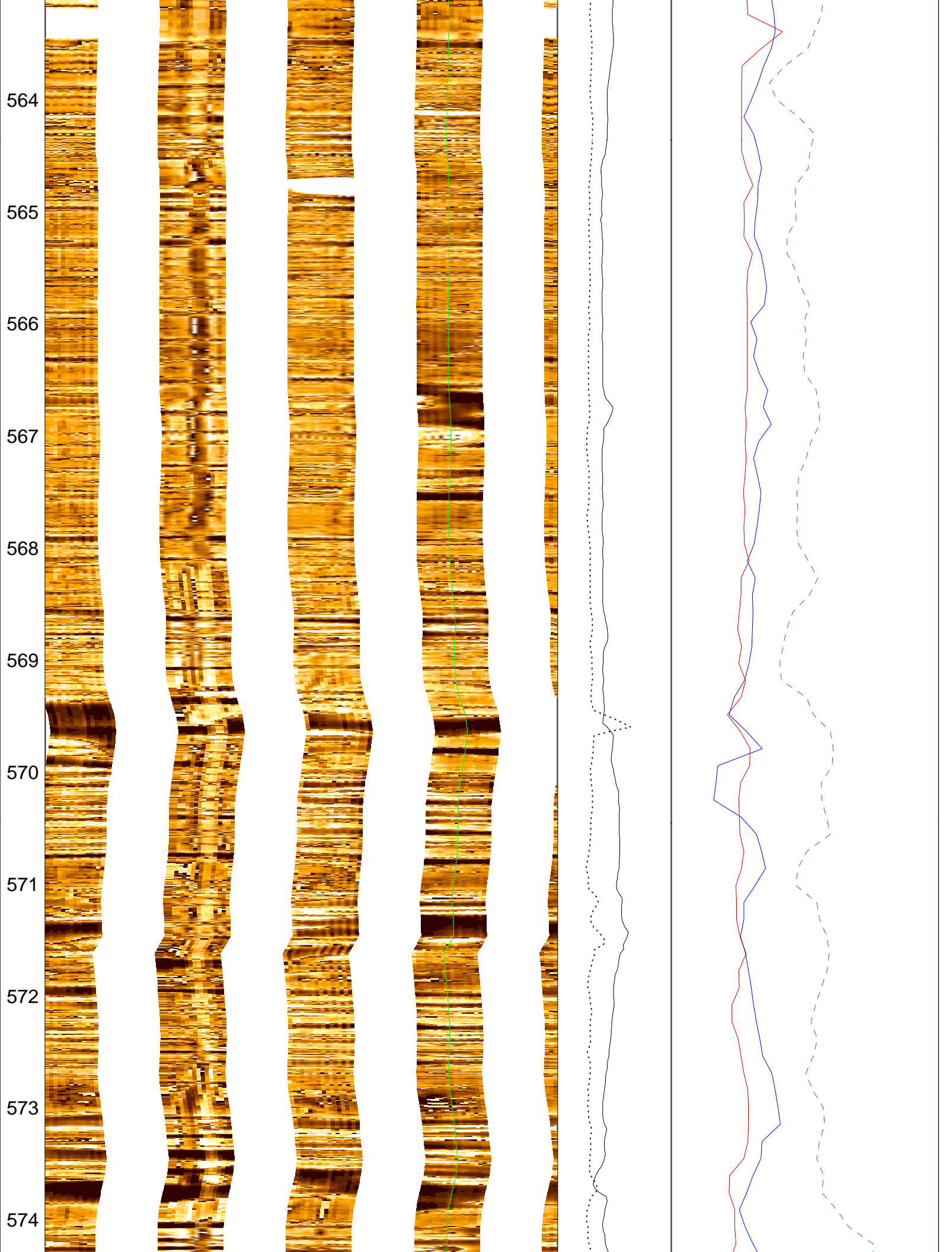




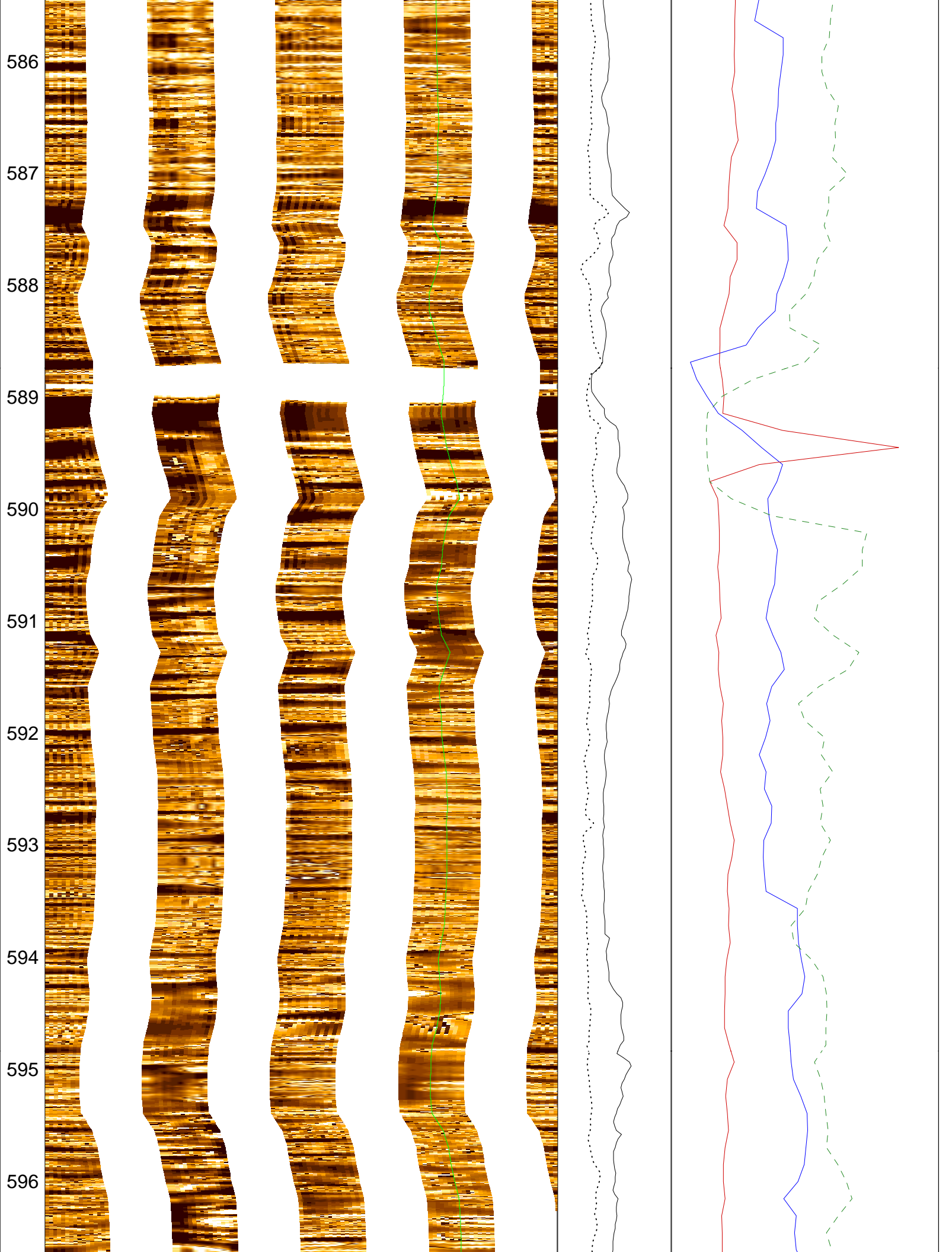


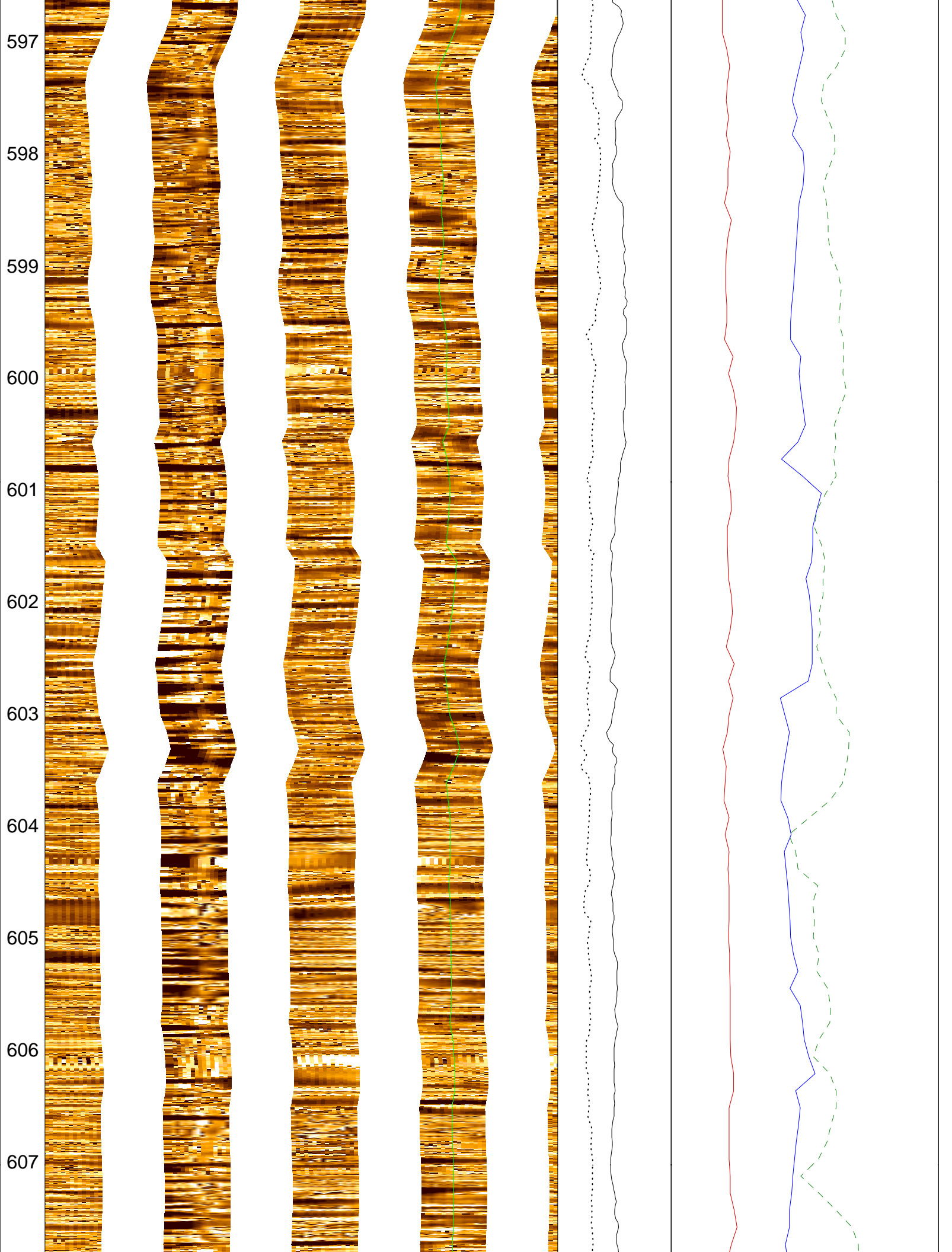


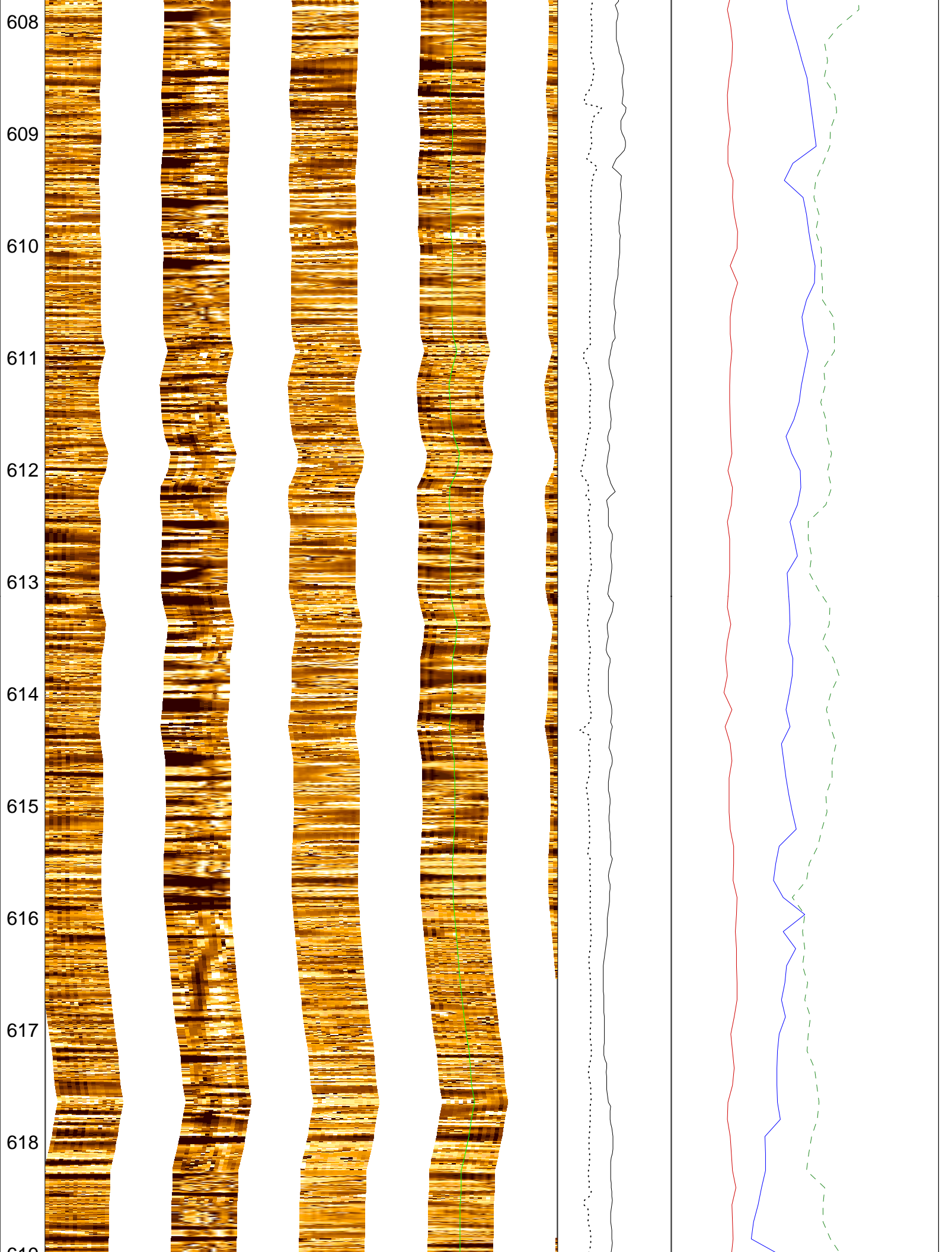


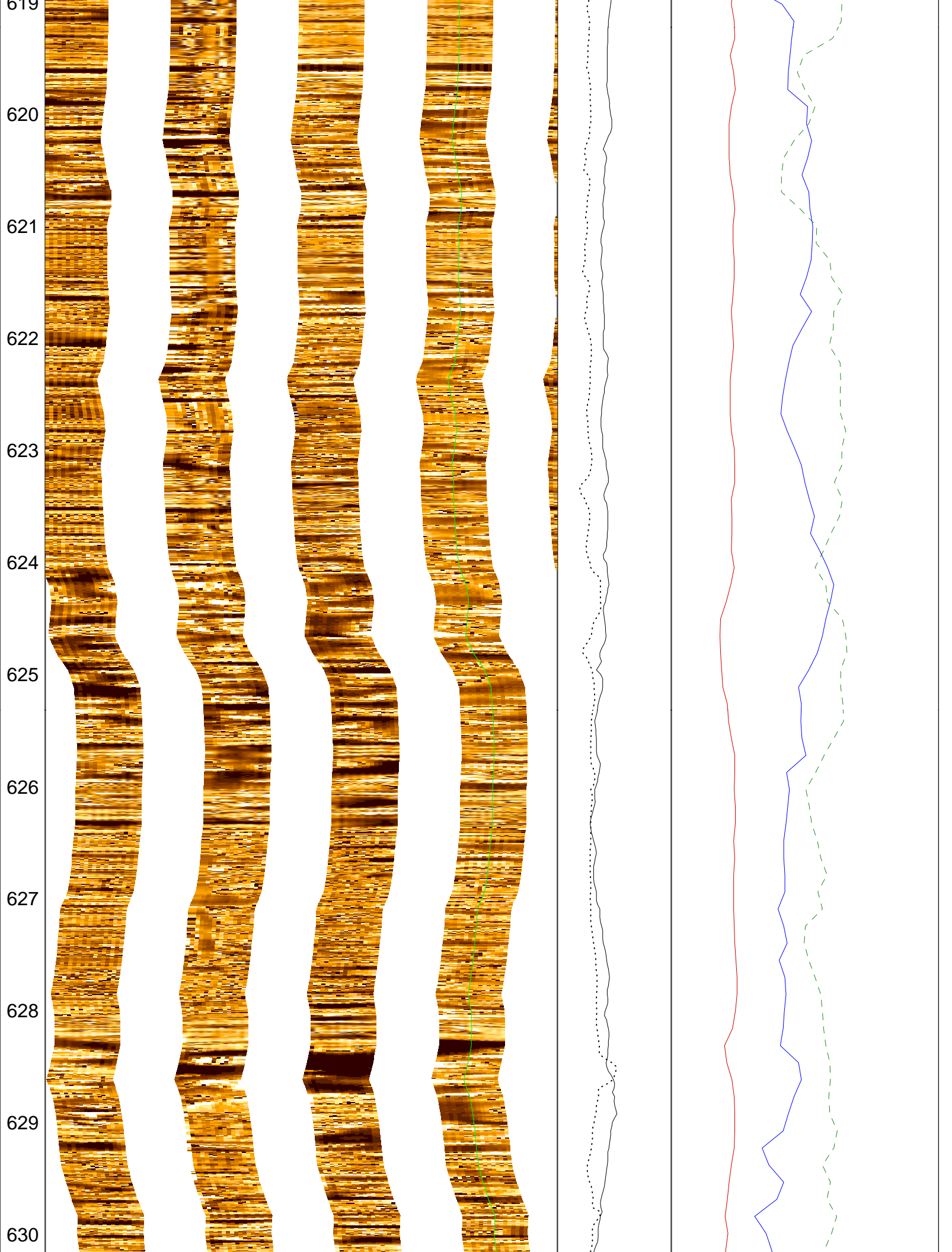


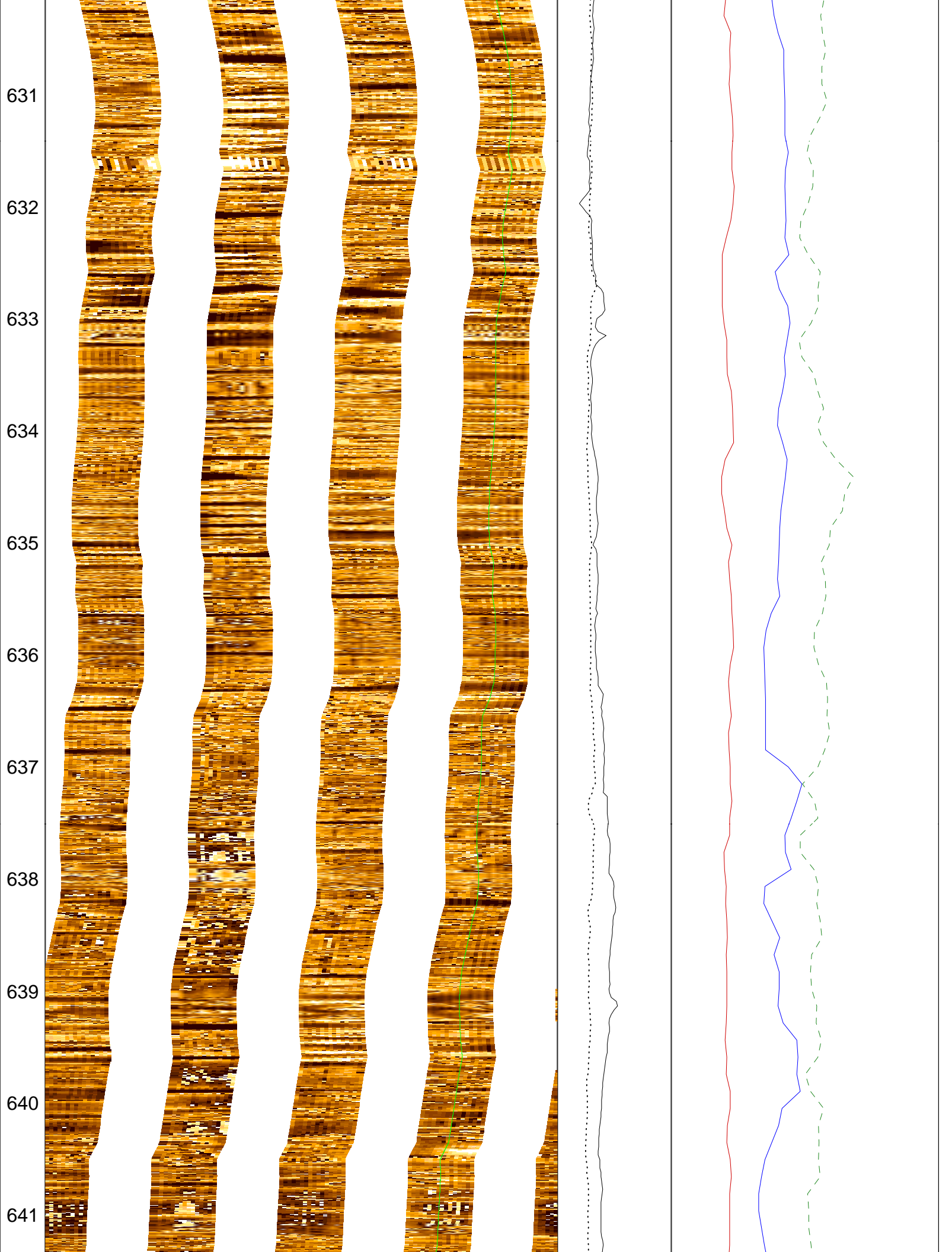


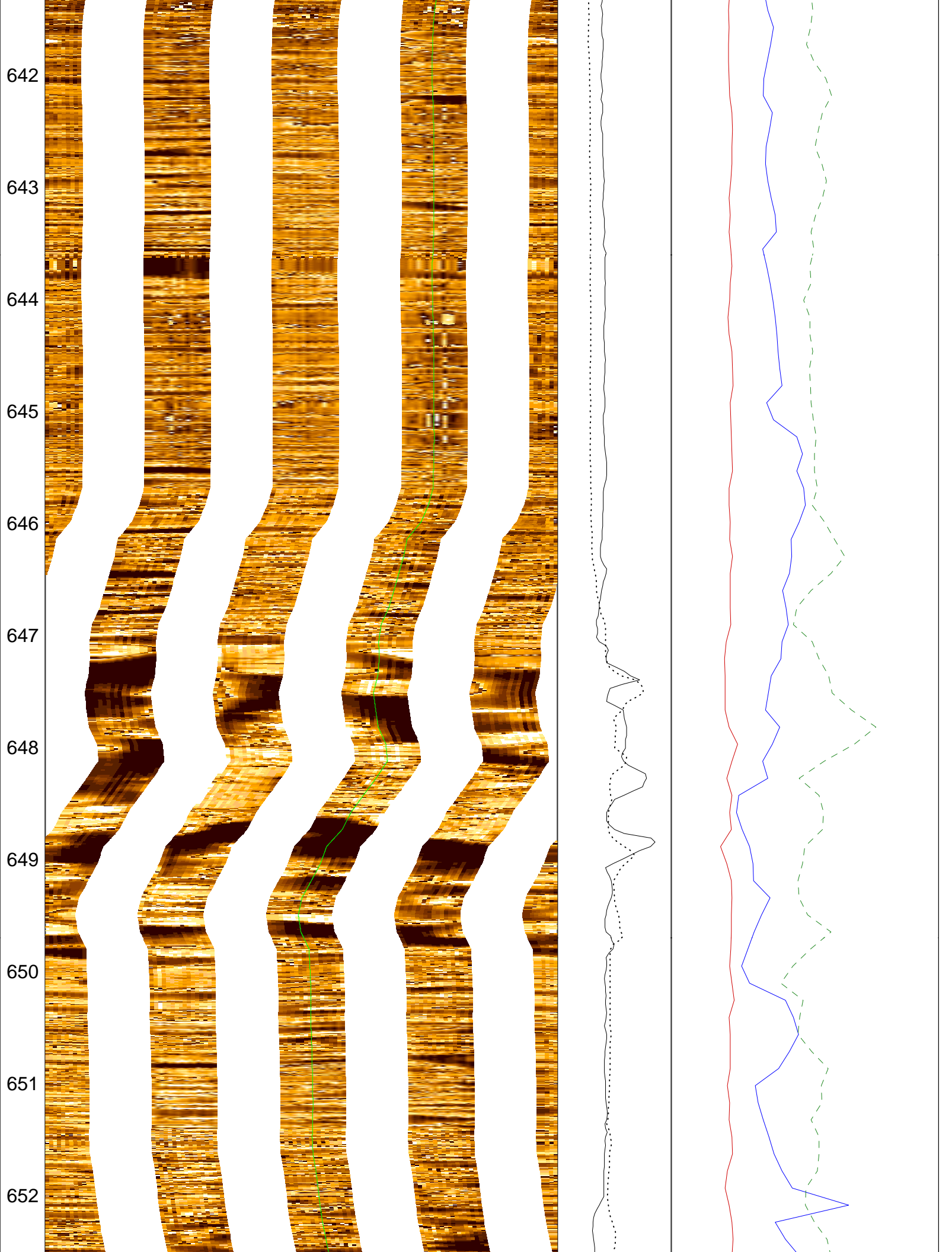


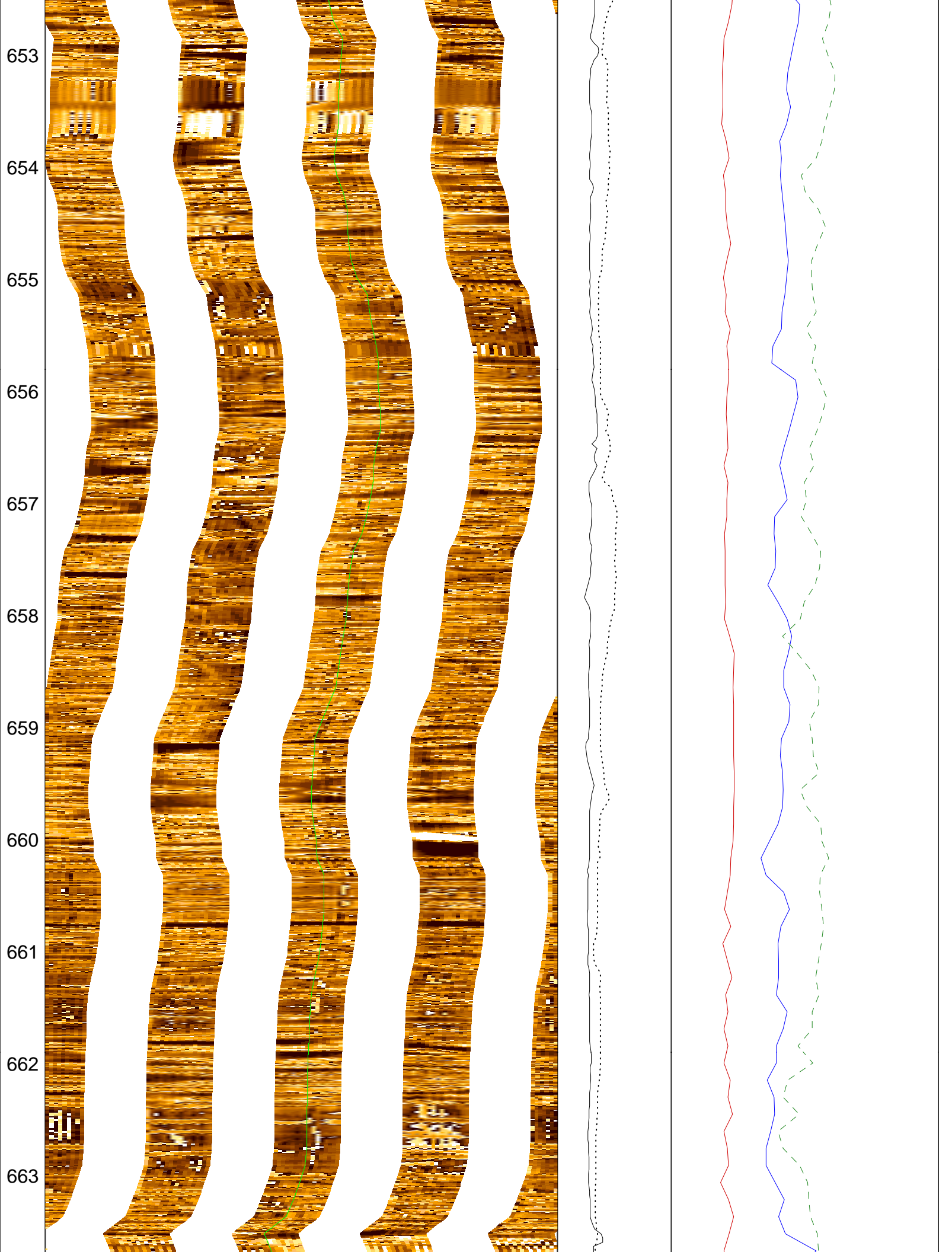




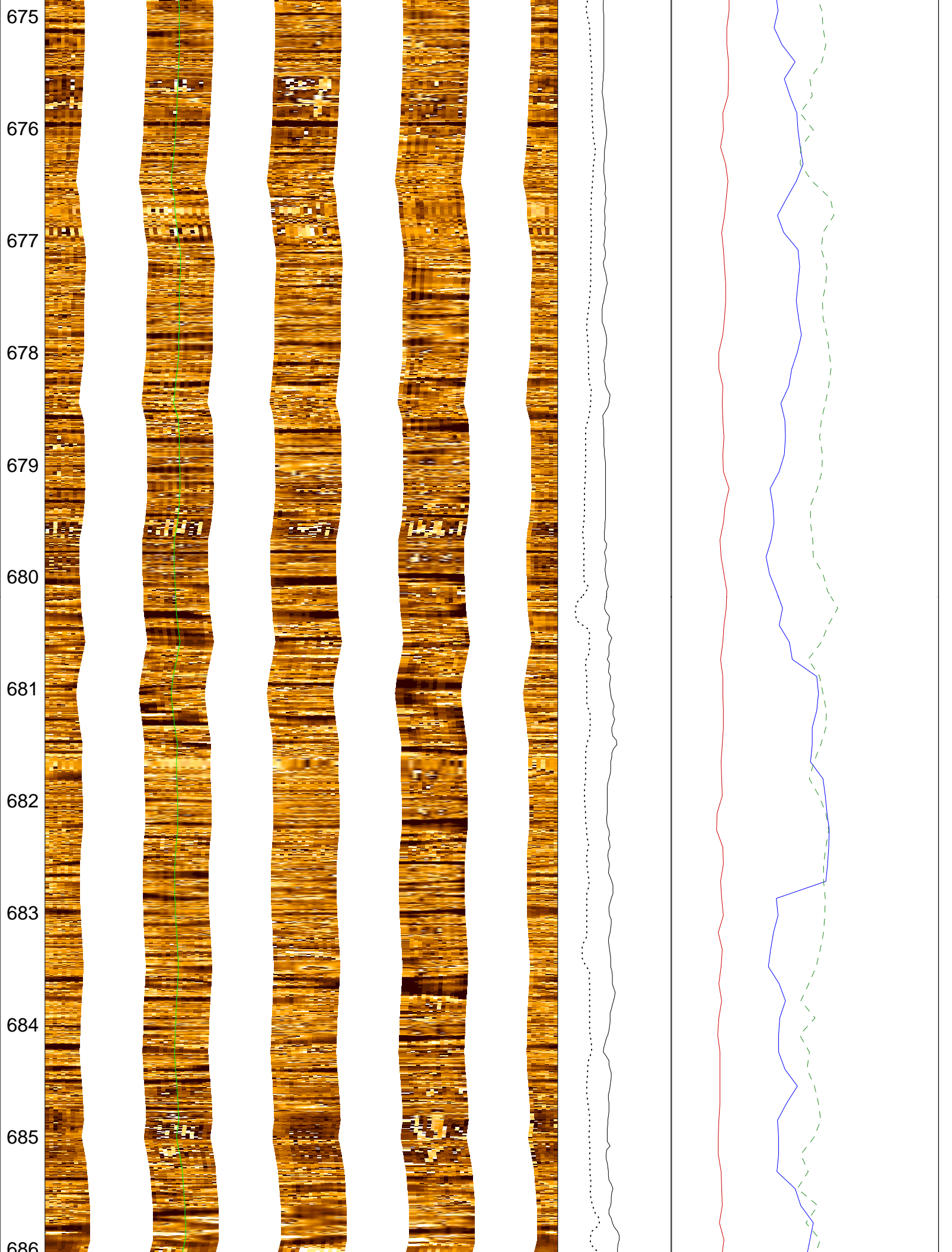


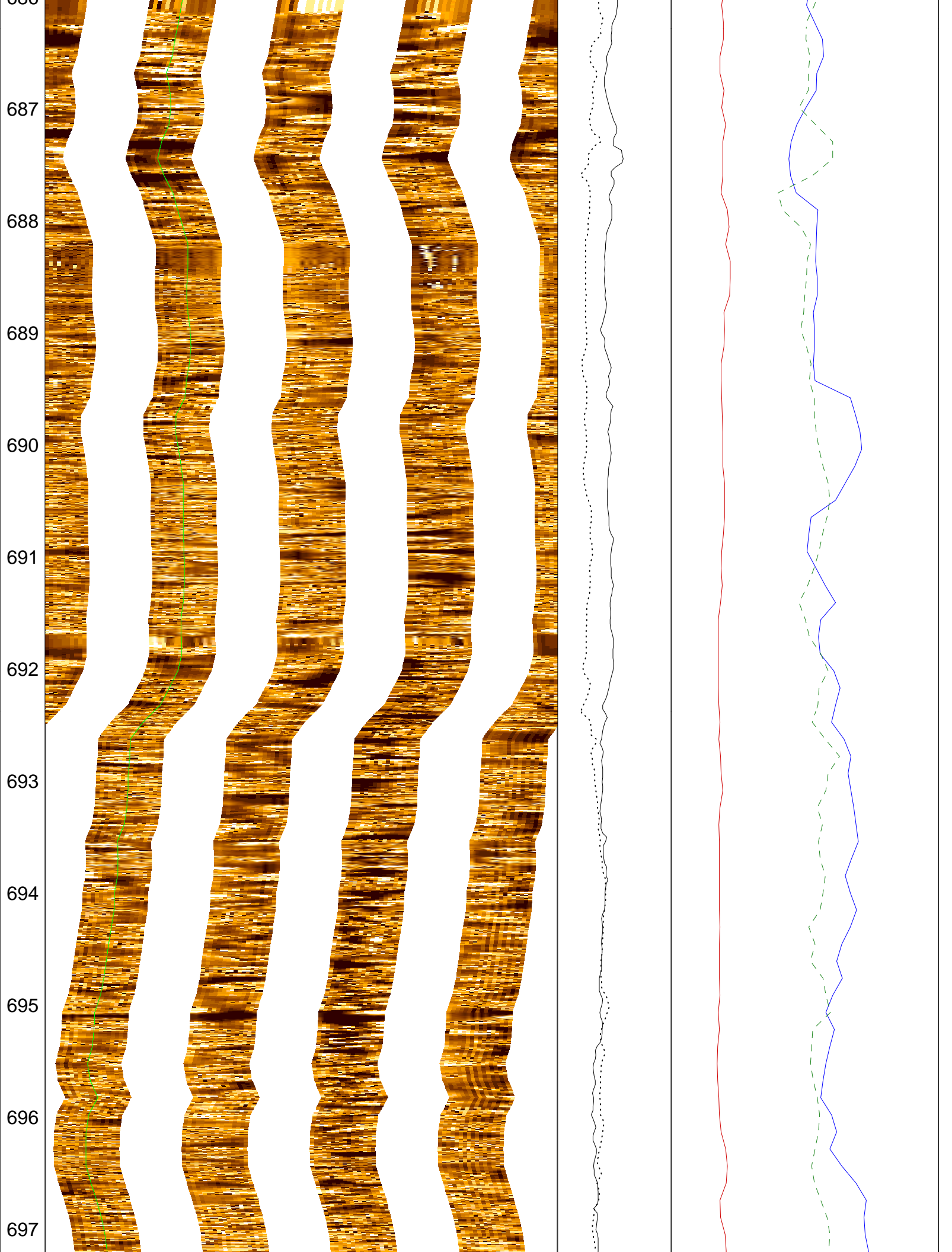


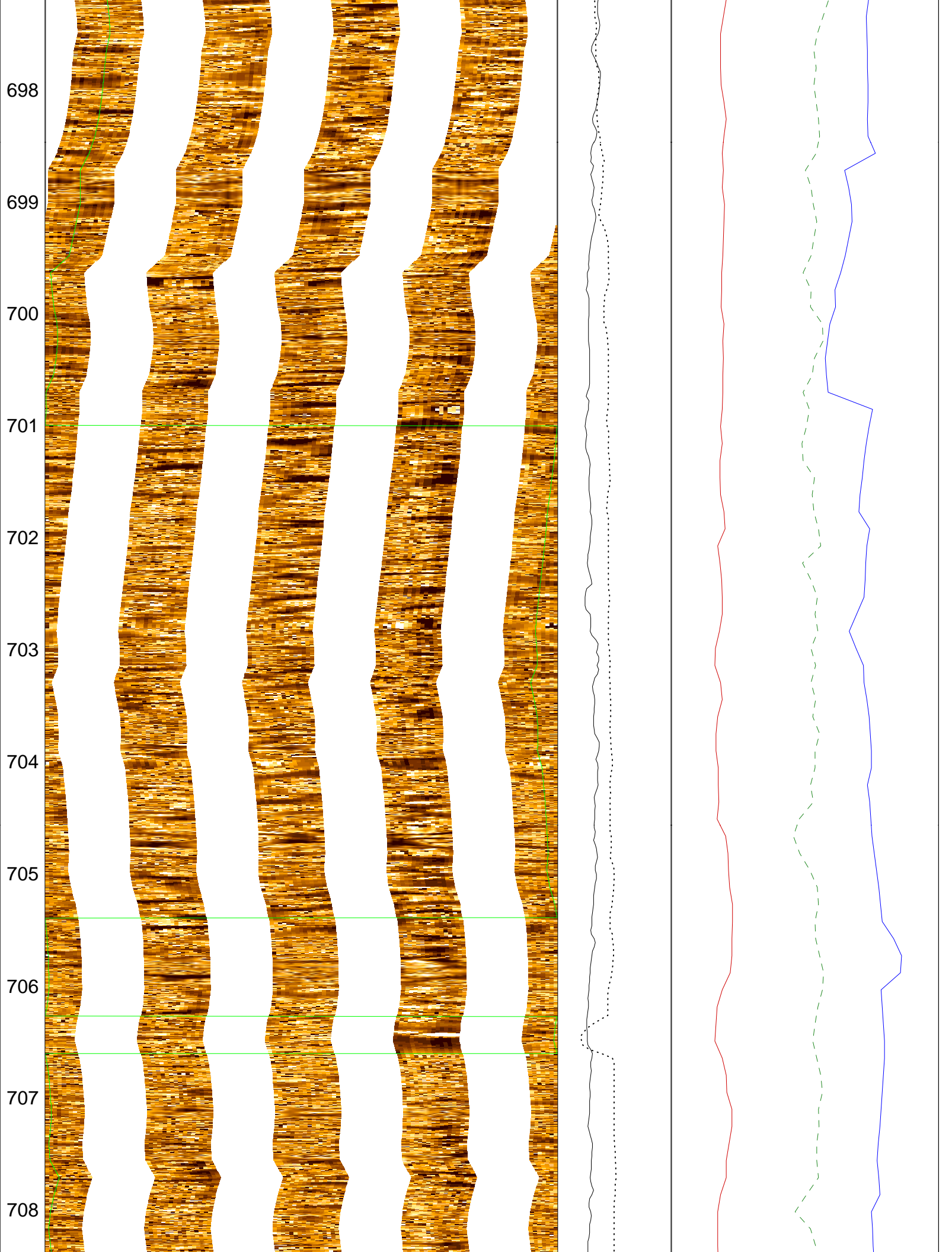


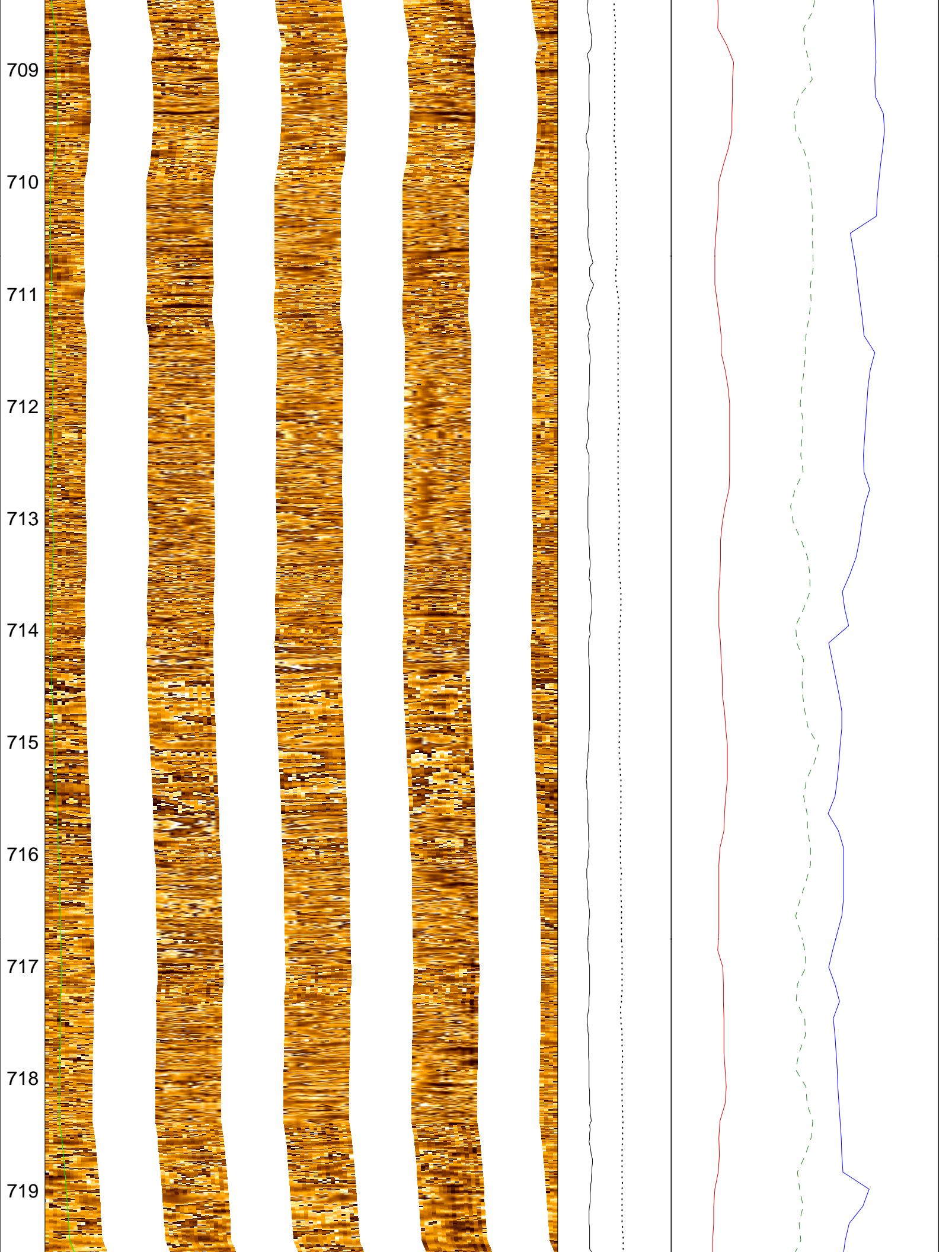


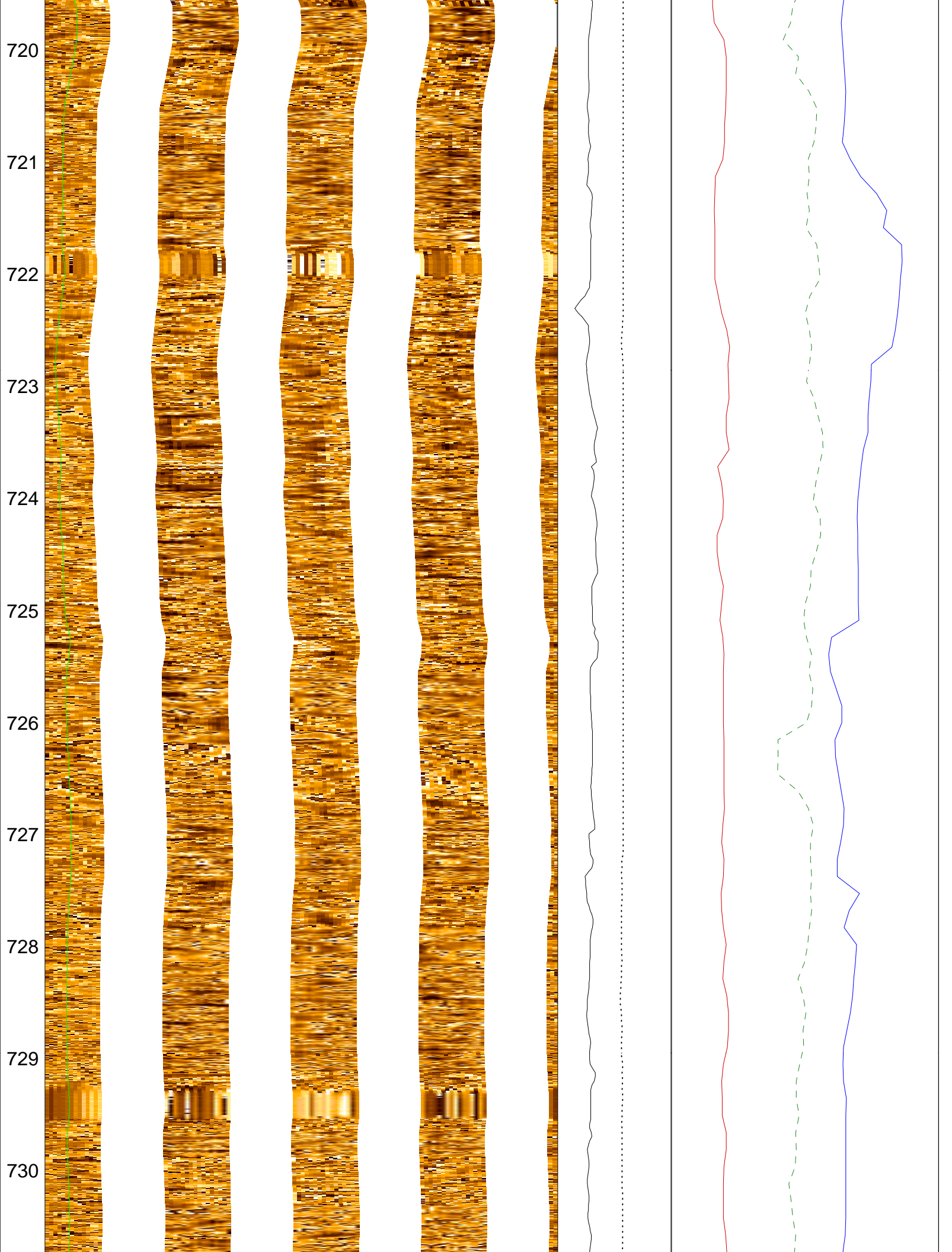


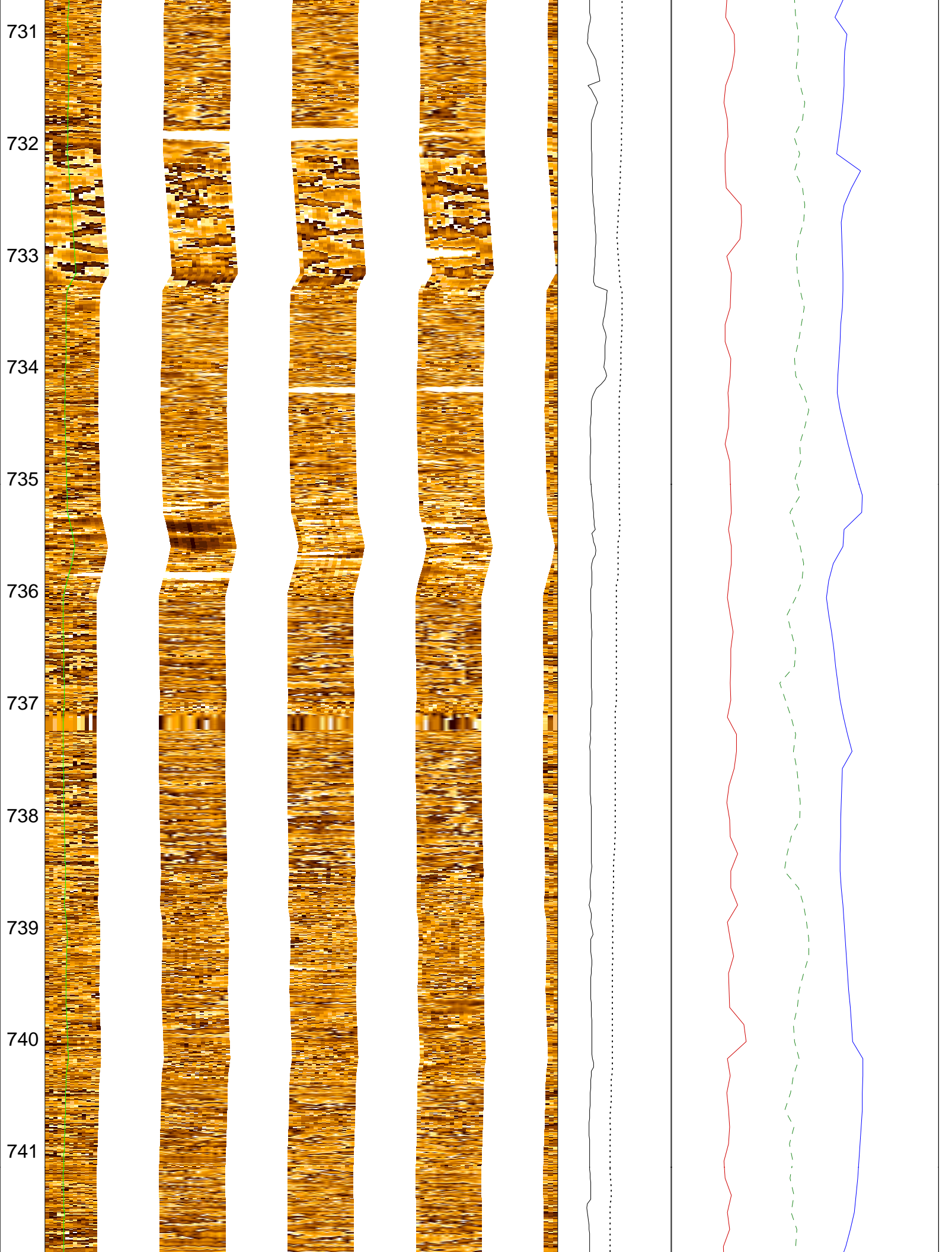


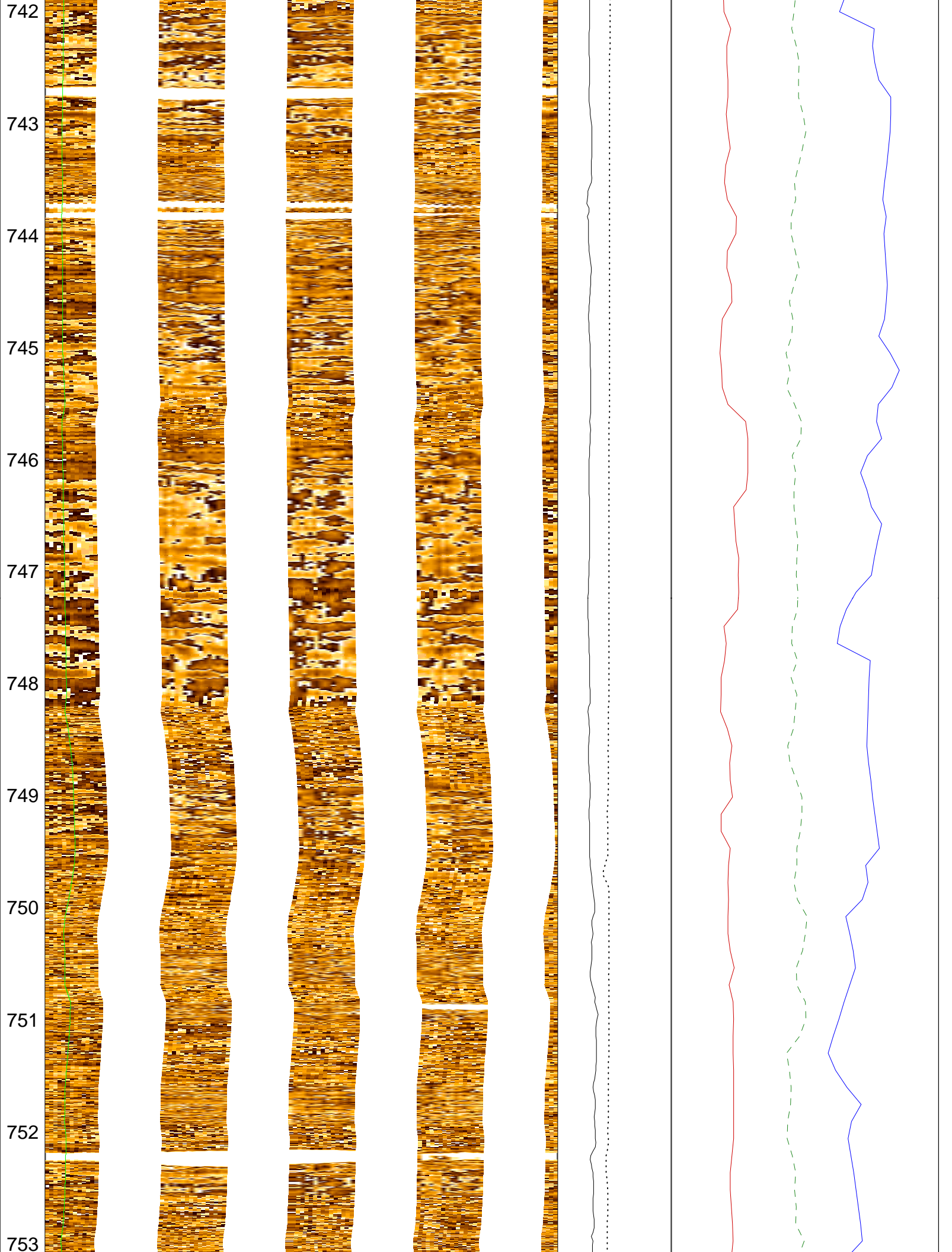


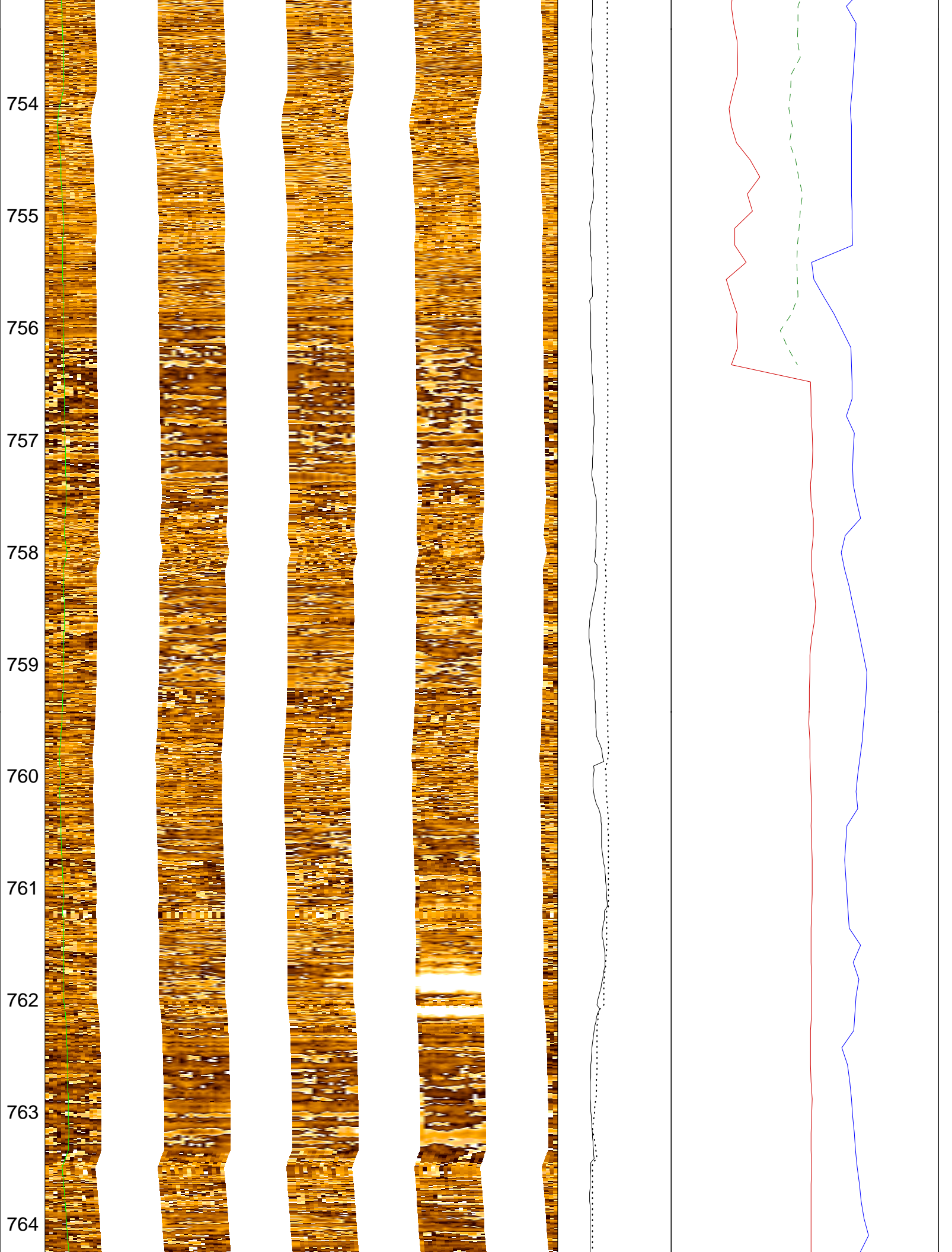


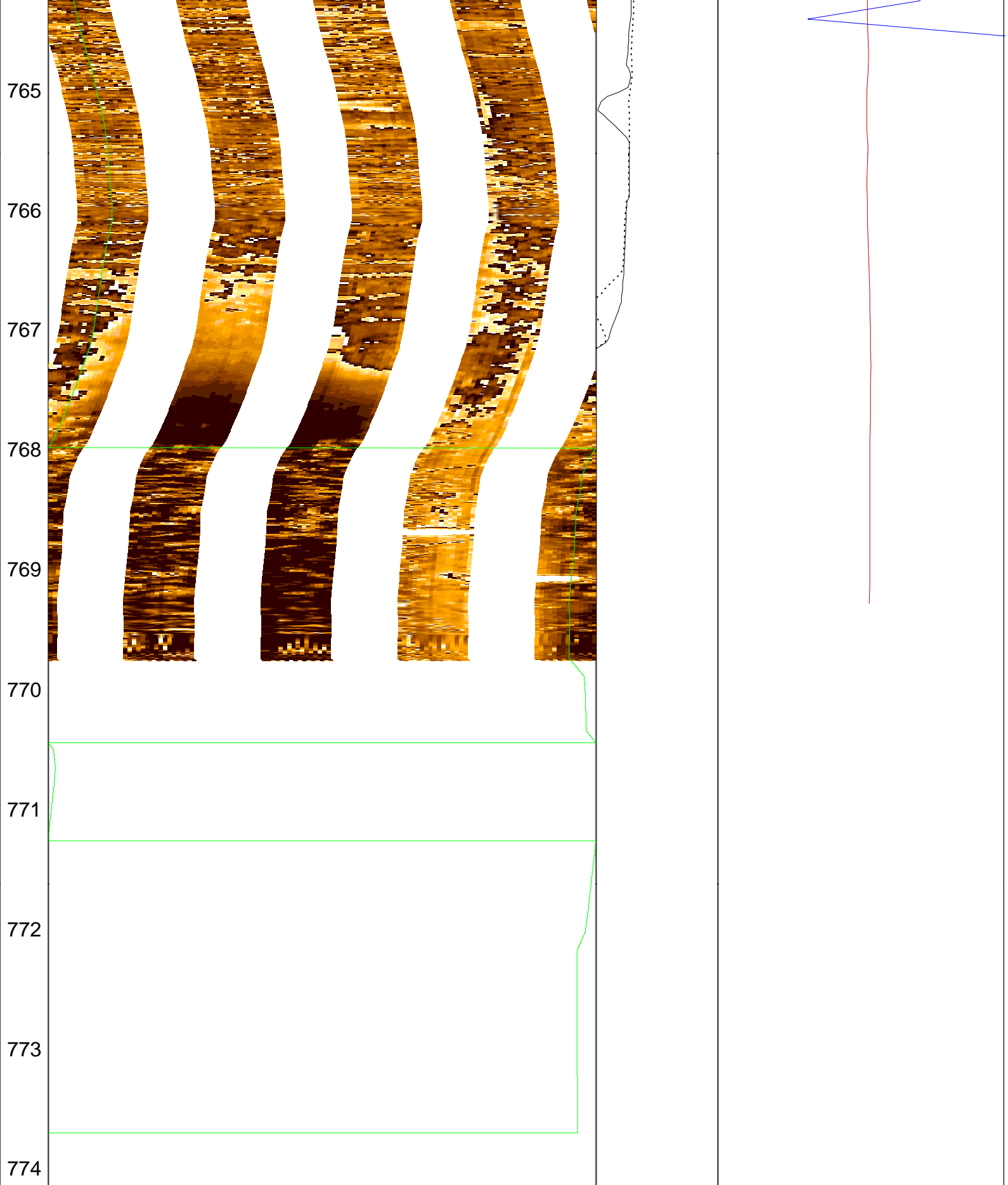












MD 1 : 40 m	1170D FMS4 .STAT [C217435] Horizontal Scale: 1 : 4.189 Orientation North	C2 .CRC [A	SFLU .WELLEDIT [A225856
		9 13	0.5 3.5
		(in)	(ohm.m)
		C1 .CRC [A	SGR .CRC [A217208]
		9 13	20 90
		(in)	(gAPI)
			APLC .WELLEDIT [A225846

0120240360

ResistiveFMS4 ImageConductive













Calibration and Check Summary							
Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner - B (Slim) Wellsite Calibration - Caliper Calibration							
Before: 5-APR-2000 18:35							
Caliper 1 Zero Measurement	8.000	N/A	8.764	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	8.000	N/A	8.691	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	12.00	N/A	12.72	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	12.00	N/A	12.67	N/A	N/A	N/A	IN
Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 10-APR-2000 11:32							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	92	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	10	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	448	N/A	N/A	N/A	
Micro Electrical Scanner - B (Slim) Wellsite Calibration - EPS MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 10-APR-2000 11:32							
TEMPERATURE REFERENCE :	N/A	N/A	70	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	85	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	11	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	33	N/A	N/A	N/A	
Natural Gamma Spectroscopy - C Wellsite Calibration - Background Measurement							
Master: Calibration out of date 6-JAN-2000 4:01 Before: 18-MAR-2000 8:16							
WINDOW 1 Background	100.0	11.24	12.46	N/A	N/A	100.0	CPS
WINDOW 2 Background	50.00	2.775	3.522	N/A	N/A	50.00	CPS
WINDOW 3 Background	10.00	0.8498	0.9159	N/A	N/A	10.00	CPS
WINDOW 4 Background	6.000	0.3150	0.3186	N/A	N/A	6.000	CPS
WINDOW 5 Background	10.00	0.4801	0.4875	N/A	N/A	10.00	CPS
SGR Background	30.00	4.096	4.631	N/A	N/A	N/A	GAPI
Natural Gamma Spectroscopy - C Wellsite Calibration - Normalized Jig Measurement							
Master: Calibration out of date 6-JAN-2000 3:55 Before: 18-MAR-2000 8:21							
WINDOW 1 Jig	376.0	383.7	380.7	N/A	N/A	22.56	CPS
WINDOW 2 Jig	167.0	168.9	168.6	N/A	N/A	10.02	CPS
WINDOW 3 Jig	24.00	23.84	23.73	N/A	N/A	1.440	CPS
WINDOW 4 Jig	14.00	13.72	13.77	N/A	N/A	2.800	CPS
WINDOW 5 Jig	22.50	22.02	22.83	N/A	N/A	4.500	CPS
SGR Jig	160.0	160.7	160.0	N/A	N/A	7.000	GAPI
Natural Gamma Spectroscopy - C Master Calibration - Master Quality Control Values							
Master: Calibration out of date 6-JAN-2000 3:52							
Photomultiplier Res. CARC3	8.000	9.090	--	--	--	--	
APU WINDOW Jig	1350	963.1	--	--	--	--	CPS
APL WINDOW Jig	1350	962.8	--	--	--	--	CPS
The NGT PCSL Value is set to 83.674 KEV							





Micro Electrical Scanner - B (Slim) / Equipment Identification		
Primary Equipment:		
MEST Sonde - B	MEDS - B	702
MEST Preamplifier Cartridge - AB	MEPC - AB	
GPIT Cartridge - A	GPIC - A	719
MEST Acquisition Cartridge - A	MEAC - A	833
Auxiliary Equipment:		
MEST-B Preamplifier Cartridge Housing	MEPH - A	701
MEST Acquisition Cartridge Housing (Slim)	MEAH - B	701

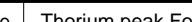
Natural Gamma Spectroscopy - C / Equipment Identification	
Primary Equipment:	





NGC - C	1921
NGD - A	1736
<hr/>	
NGCH - A	752
NGH - B	3
GSR - U	

Natural Gamma Spectroscopy - C Wellsite Calibration											
Background Measurement											
Phase	WINDOW 1 Background CPS		Value	Phase	WINDOW 2 Background CPS		Value	Phase	WINDOW 3 Background CPS		Value
Master	<div><div></div></div>		11.24	Master	<div><div></div></div>		2.775	Master	<div><div></div></div>		0.8498
Before	<div><div></div></div>		12.46	Before	<div><div></div></div>		3.522	Before	<div><div></div></div>		0.9159
0100.0400.0 (Minimum)(Nominal)(Maximum)				050.00200.0 (Minimum)(Nominal)(Maximum)				010.0040.00 (Minimum)(Nominal)(Maximum)			
Phase	WINDOW 4 Background CPS		Value	Phase	WINDOW 5 Background CPS		Value	Phase	SGR Background GAPI		Value
Master	<div><div></div></div>		0.3150	Master	<div><div></div></div>		0.4801	Master	<div><div></div></div>		4.096
Before	<div><div></div></div>		0.3186	Before	<div><div></div></div>		0.4875	Before	<div><div></div></div>		4.631
06.00024.00 (Minimum)(Nominal)(Maximum)				010.0040.00 (Minimum)(Nominal)(Maximum)				030.00120.0 (Minimum)(Nominal)(Maximum)			
Master: Calibration out of date 6-JAN-2000 4:01				Before: 18-MAR-2000 8:16							

Natural Gamma Spectroscopy - C Wellsite Calibration											
Normalized Jig Measurement											
Phase	WINDOW 1 Jig CPS		Value	Phase	WINDOW 2 Jig CPS		Value	Phase	WINDOW 3 Jig CPS		Value
Master			383.7	Master			168.9	Master			23.84
Before			380.7	Before			168.6	Before			23.73
	354.0 (Minimum)	376.0 (Nominal)	398.0 (Maximum)		155.0 (Minimum)	167.0 (Nominal)	179.0 (Maximum)		21.50 (Minimum)	24.00 (Nominal)	26.50 (Maximum)
Phase	WINDOW 4 Jig CPS		Value	Phase	WINDOW 5 Jig CPS		Value	Phase	SGR Jig GAPI		Value
Master			13.72	Master			22.02	Master			160.7
Before			13.77	Before			22.83	Before			160.0
	12.50 (Minimum)	14.00 (Nominal)	15.50 (Maximum)		20.00 (Minimum)	22.50 (Nominal)	25.00 (Maximum)		148.0 (Minimum)	160.0 (Nominal)	172.0 (Maximum)
Master: Calibration out of date 6-JAN-2000 3:55 Before: 18-MAR-2000 8:21											

Natural Gamma Spectroscopy - C Wellsite Calibration							
Quality Control Values							
Phase	DHVJ Jig V		Value	Phase	Quality Windows Ratio Jig		Value
Master			1503	Master			2.272
Before			1516	Before			2.258
1088 (Minimum) 1450 (Nominal) 1813 (Maximum)				2.150 (Minimum) 2.240 (Nominal) 2.330 (Maximum)			
Master: Calibration out of date			6-JAN-2000 3:55	Before: 18-MAR-2000 8:21			

Natural Gamma Spectroscopy - C Wellsite Calibration		
Quality Control Values Check		
Phase	Thorium peak Form Factor Jig	Value
Before		-0.03137
	-0.2000 (Minimum) 0 (Nominal) 0.2000 (Maximum)	
Before: 18-MAR-2000 8:21		

Natural Gamma Spectroscopy - C Master Calibration														
Master Quality Control Values														
Phase	Photomultiplier Res. CARC3			Value	Phase	APU WINDOW Jig CPS			Value	Phase	APL WINDOW Jig CPS			Value
Master				9.090	Master				963.1	Master				962.8
	4.500 (Minimum)	8.000 (Nominal)	11.50 (Maximum)		700.0 (Minimum)	1350 (Nominal)	1600 (Maximum)		700.0 (Minimum)	1350 (Nominal)	1600 (Maximum)			
Phase	Thorium peak Form Factor Jig			Value										
Master				-0.05460										
	-0.1000 (Minimum)	0 (Nominal)	0.1000 (Maximum)											

COMPANY:	Lamont Doherty	BOTTOM LOG INTERVAL	3486 M
		SCHLUMBERGER DEPTH	3497.5 M
		DEPTH DRILLER	3496 M
		KELLY BUSHING	11.2 M
		DRILL FLOOR	10.9 M
		GROUND LEVEL	-2716 M
WELL:	ODP Leg 189, Site 1170 (WSTR-2A)		
FIELD:	Tasmanian Seaway, West Tasmania Site		
COUNTY:	Offshore		
STATE:	Indian Ocean		
		Formation Micro Scanner Natural Gamma Ray	