



FILE NO: US111066  
 COMPANY: CRESTONE PEAK RESOURCES OPERATING  
 WELL: WOOLLEY BECKY 2A-7H-E168  
 FIELD: WATTENBURG  
 COUNTY: WELD  
 STATE: COLORADO  
 WELD: WATTENBURG  
 API NO: 0512338111

Version: LOCATION: OTHER SERVICES: NONE  
 LAT: 40.06748000 LONG: -105.05236000

PERMANENT DATUM: GL ELEVATION 4998 FT  
 LOG MEASURED FROM: KB 23 FT ABOVE P.D.  
 DRILL. MEAS. FROM: KB  
 ELEVATIONS: KB 5021 FT, DF 5021 FT, GL 4998 FT

DATE	17-Jan-2017
RUN	1
TRIP	1
SERVICE ORDER	US111066
DEPTH DRILLER	14830 FT
DEPTH LOGGER	NOT TAGGED
BOTTOM LOGGED INTERVAL	7380 FT
TOP LOGGED INTERVAL	23 FT
TIME STARTED	09:00
TIME FINISHED	17:00
OPERATOR RIG TIME	8 HRS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	FULL
LOGGED CEMENT TOP	1790 FT
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	93 DEG
NOMINAL LOGGING SPEED	30 FMIN
MAX. RECORDED TEMP.	NA
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	9745
LOCATION	BUCKHANNON
RECORDED BY	MARK YODER
WITNESSED BY	ROBERT SAMPLES

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE THE 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.

BIT SIZE	FROM	TO

SIZE	WEIGHT	GRADE	FROM	TO
16 IN	-	-	0 FT	111 FT
9.625 IN	-	-	0 FT	1788 FT
5.5 IN	20 LB/F	P-110	0 FT	14812 FT

**REMARKS**

RUN 1 TRIP 1: CREW: M. YODER / G. RIFFLE / D. WILL / M. CUTLIP / C. BREWER  
 OP 1: CCL / GR / INTEX / VDL RAN IN COMBINATION.

CASING OD = 5.5IN  
 CASING WT = 20 LB/FT

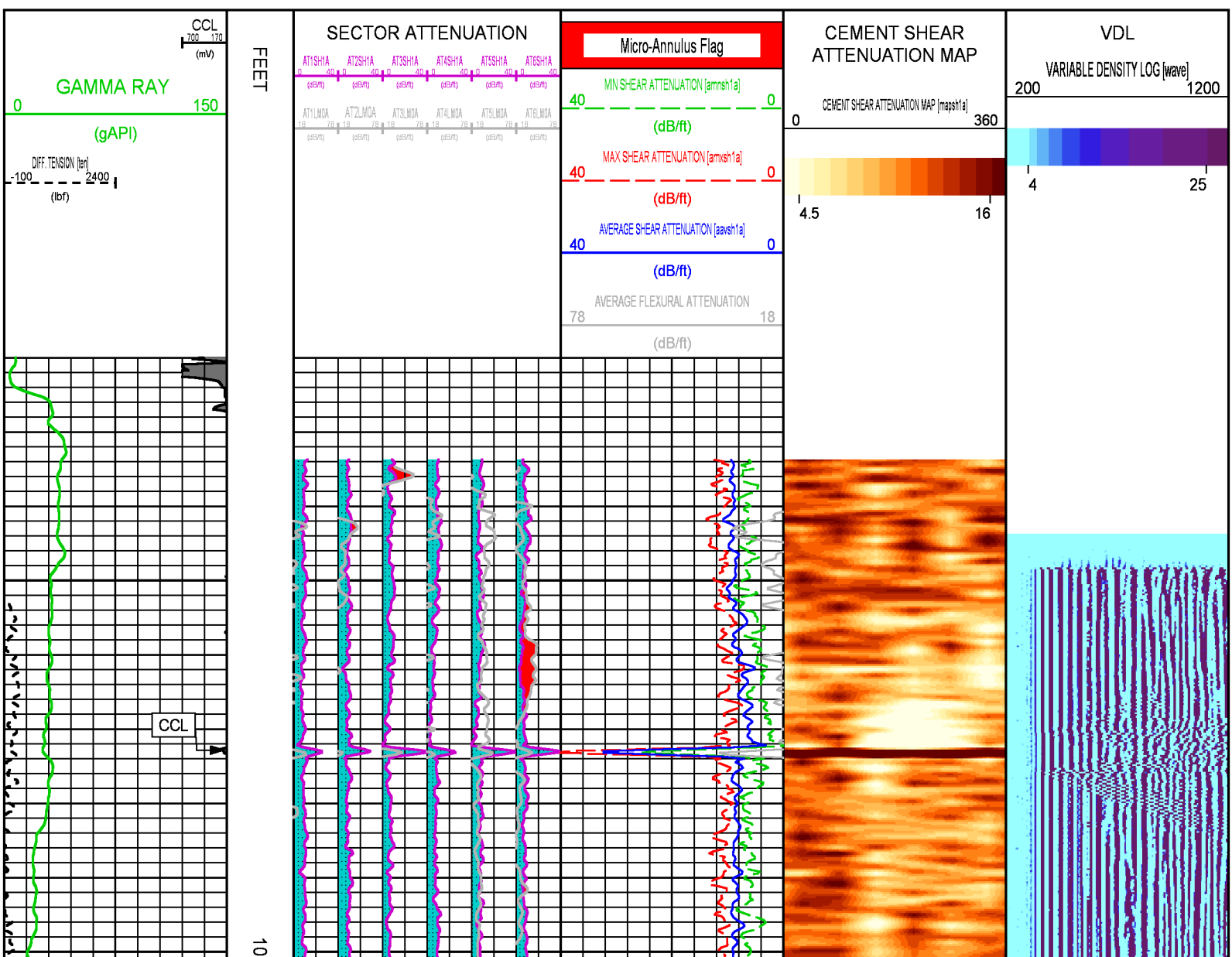
400 FT REPEAT PASS LOGGED FROM 6700FT TO 6300FT  
 INTEX WAVEFORM MEMORY RAN FROM 7386FT - 2882FT.  
 CEMENT MAP IS NOT ORIENTED.

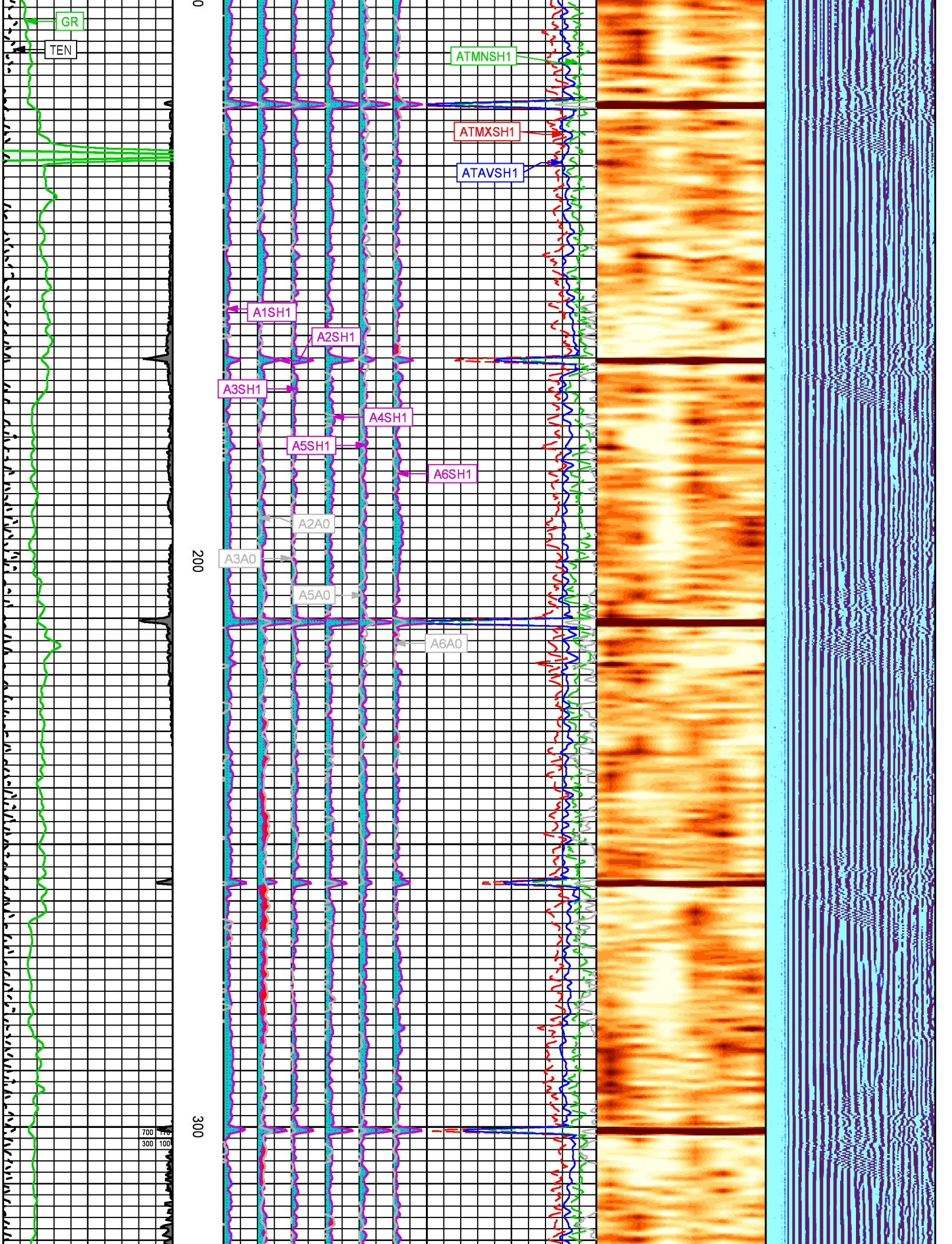
GEOSCIENCE PROCESSED RESULTS FROM MEMORY FILE WAS PRESENTED  
 BELOW 2882FT.

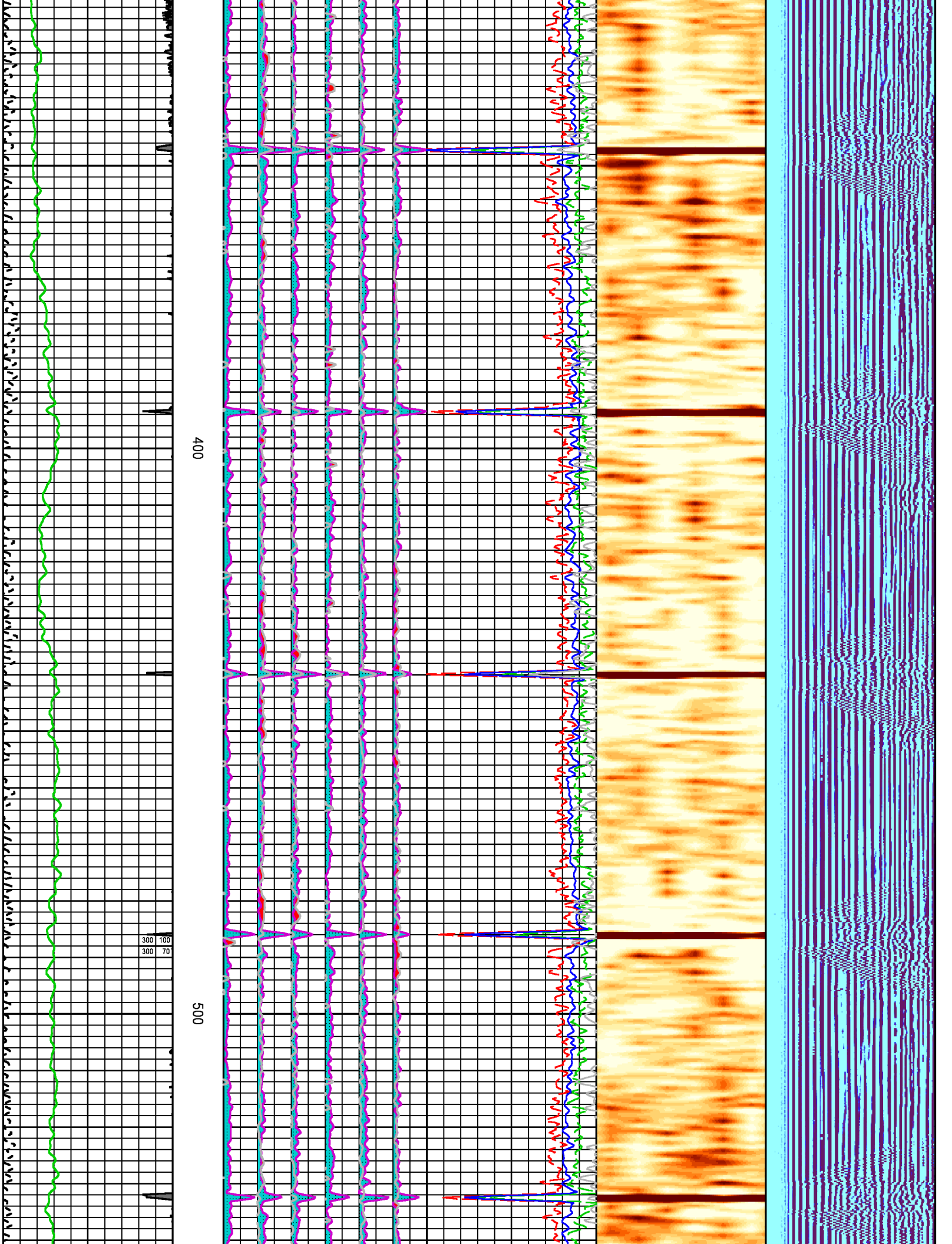
**EQUIPMENT DATA**

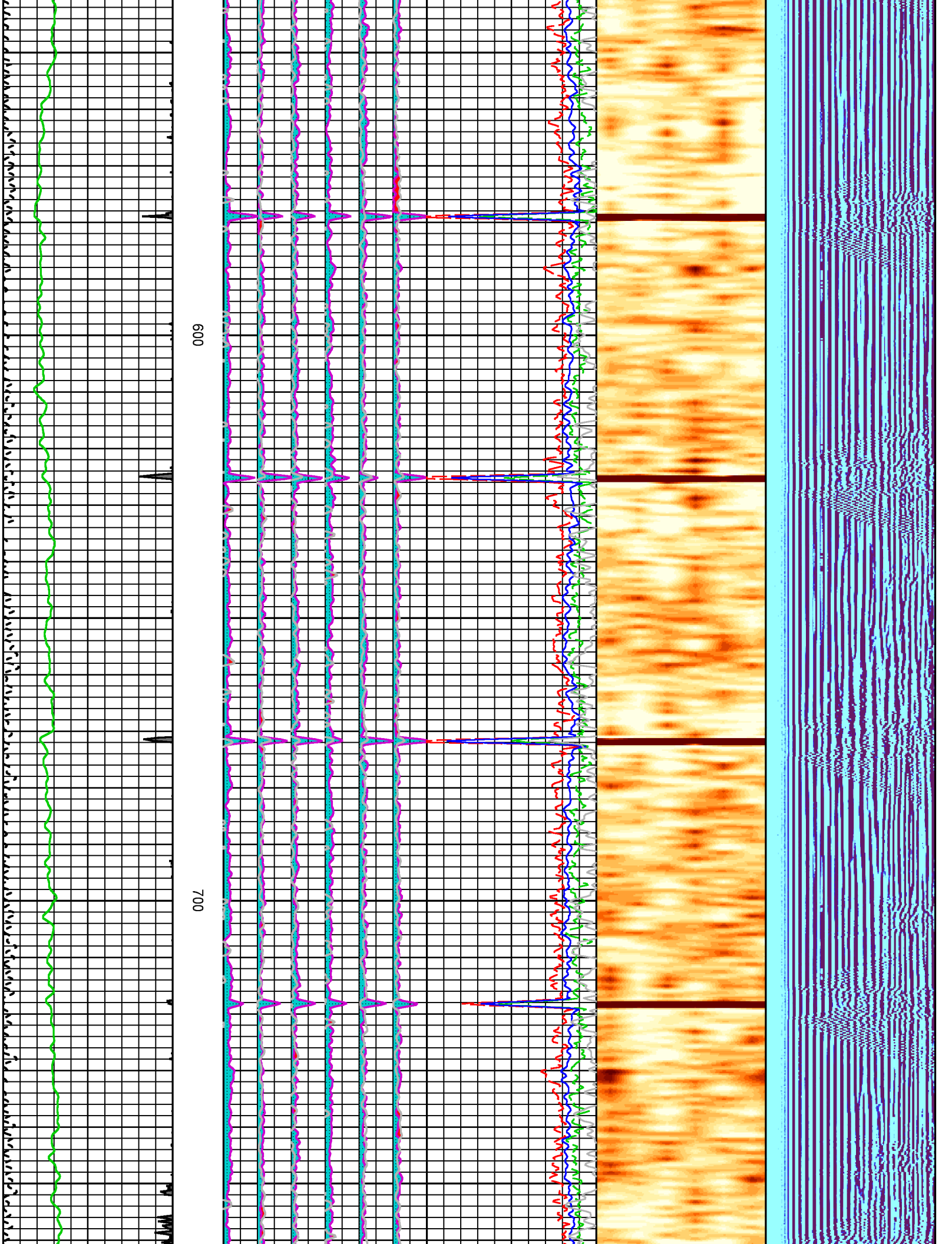
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CCL	2346XA	12587469	4-ARM
1	1	GR	1339XA	12521913	FREE
1	1	ELEC	1401EA	13896139	CENTRALIZED
1	1	INTEX	1401MA	1387050	PAD DEVICE
1	1	CENT	4341XA	Z184407	CENTRALIZED
1	1	VDL	1424PA	172730	FREE
1	1	CENT	4341XA	12492921	CENTRALIZED

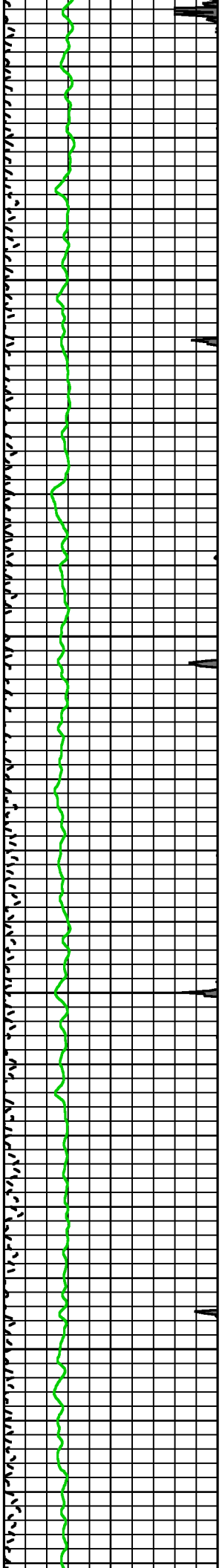
**Integrity eXplorer cement evaluation service  
Main Pass  
WB 2A 7H-E168**





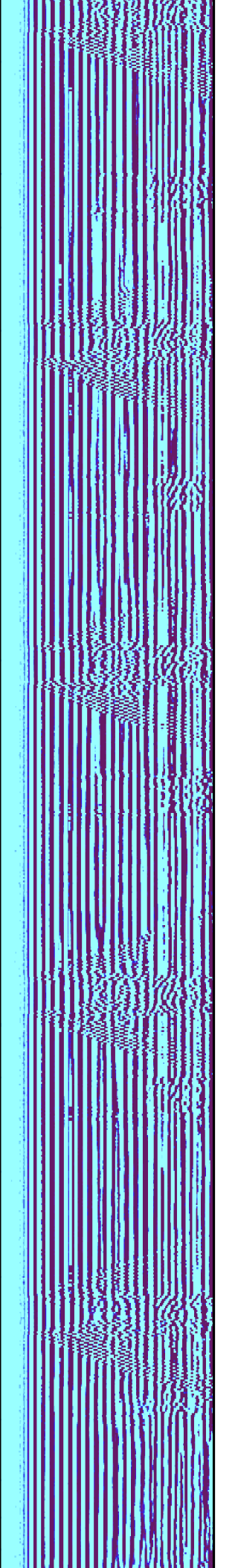
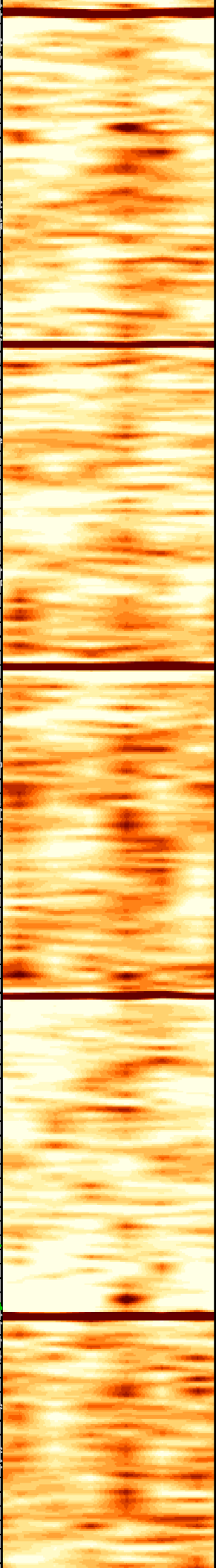
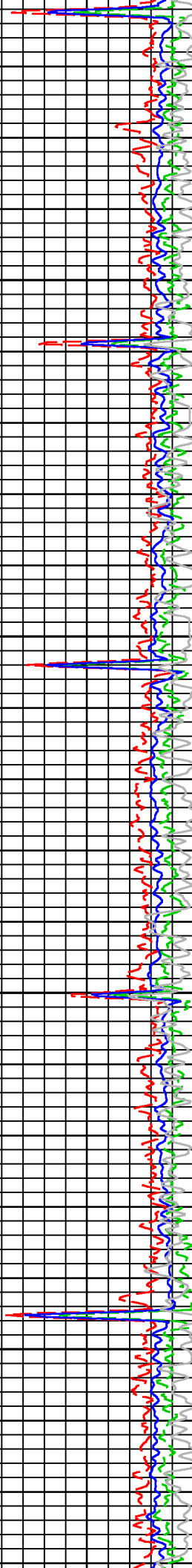
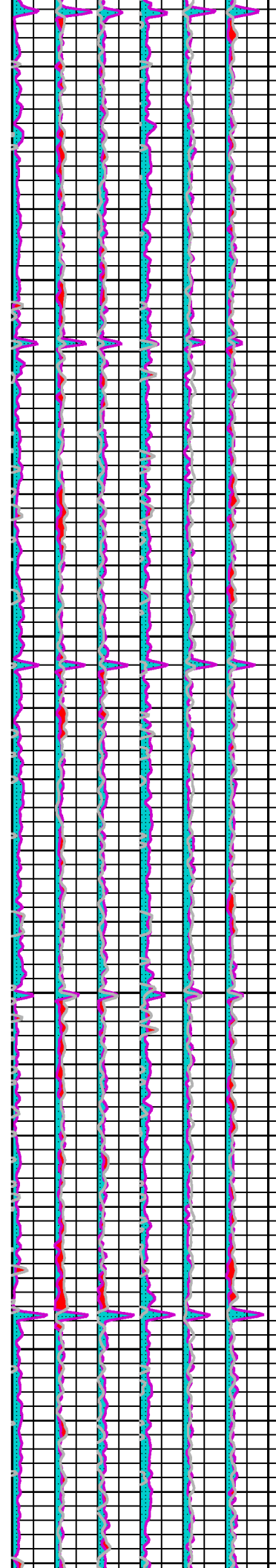


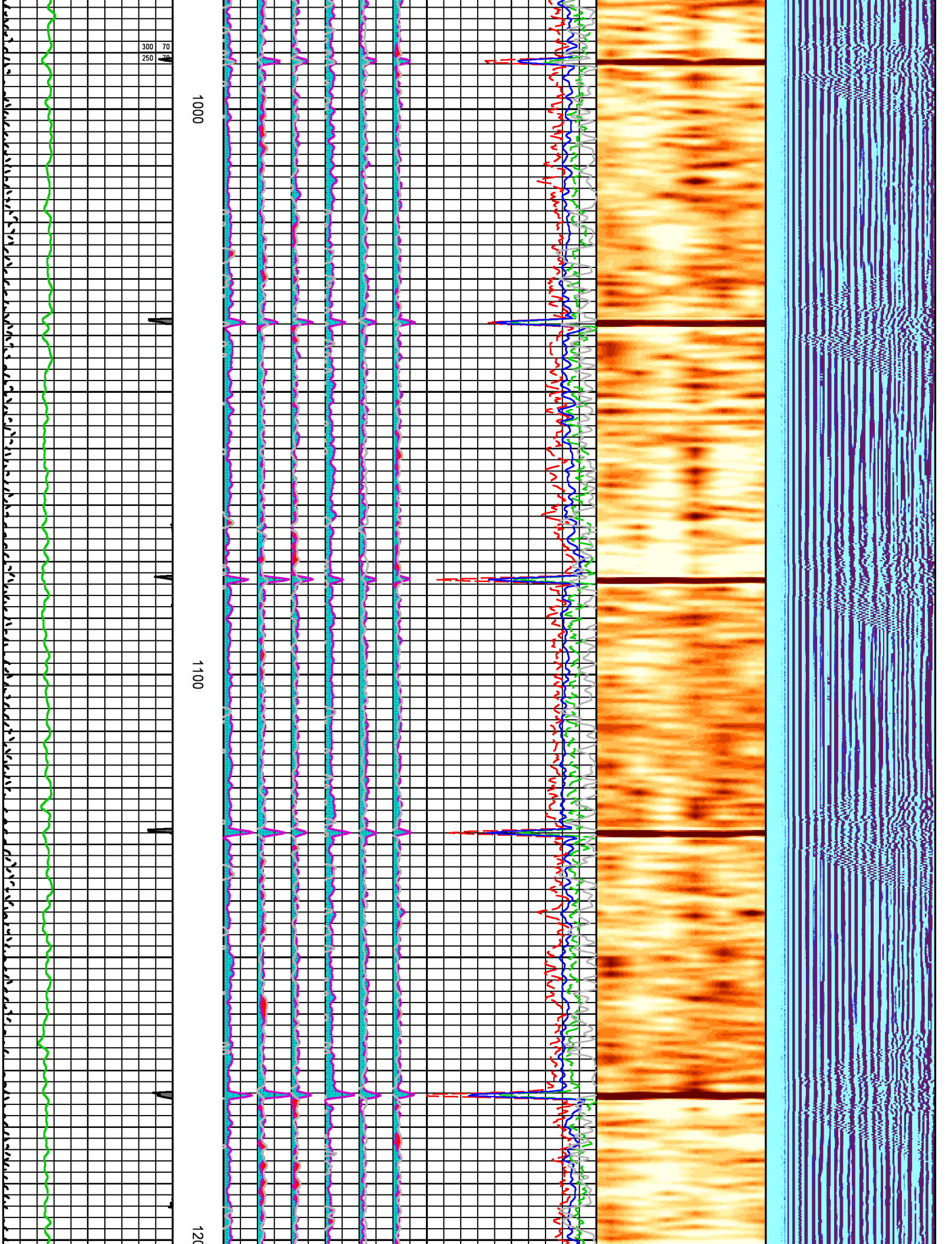


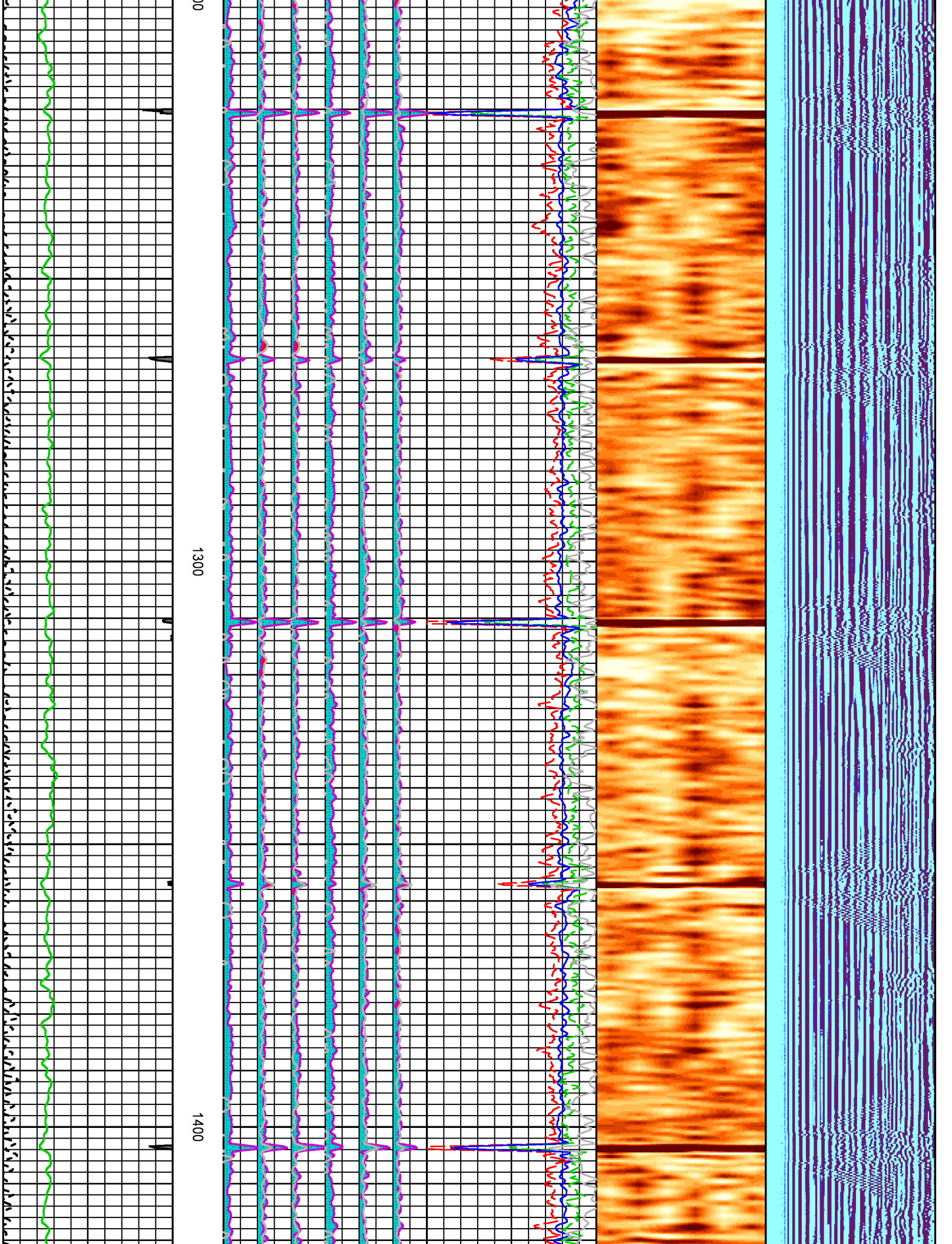


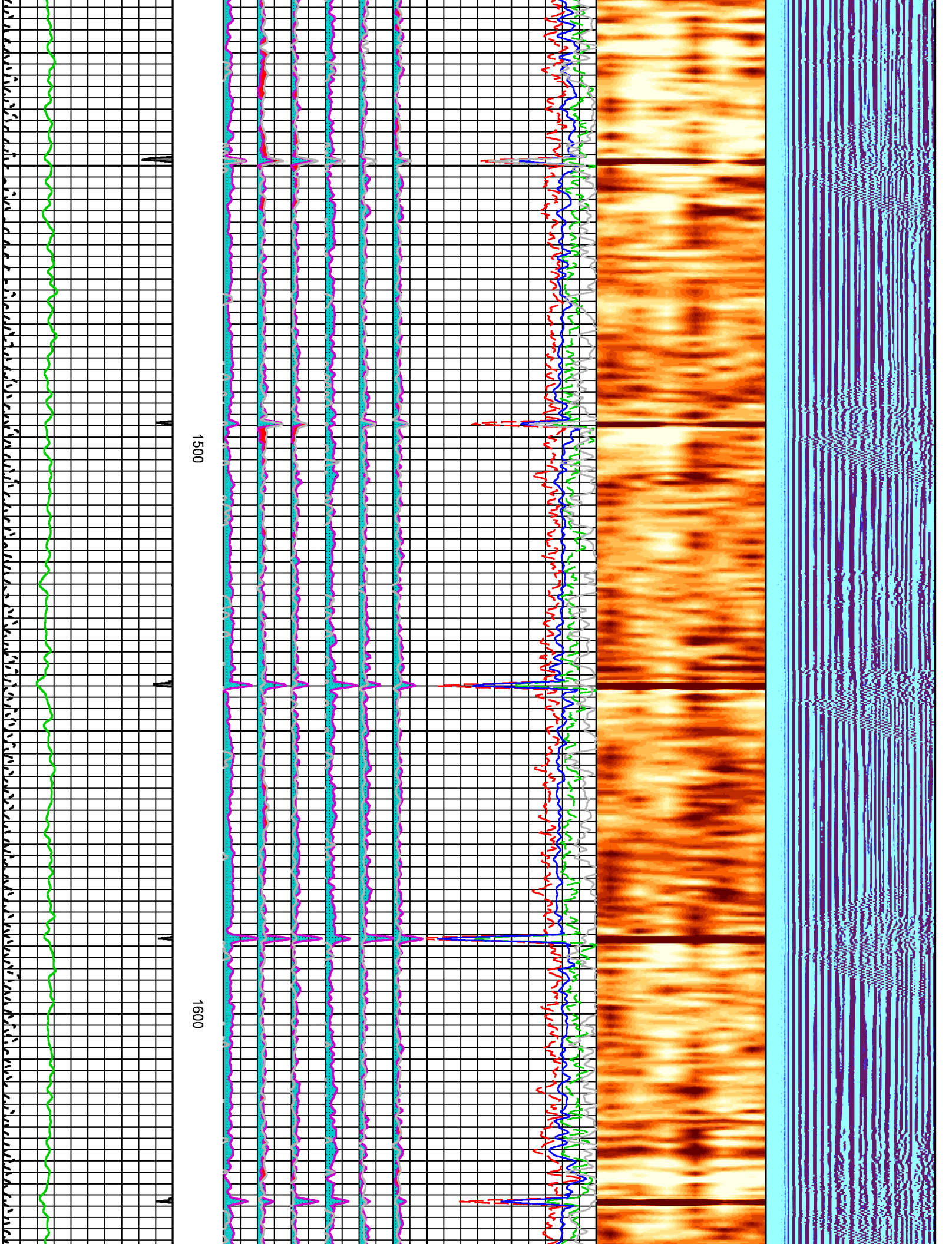
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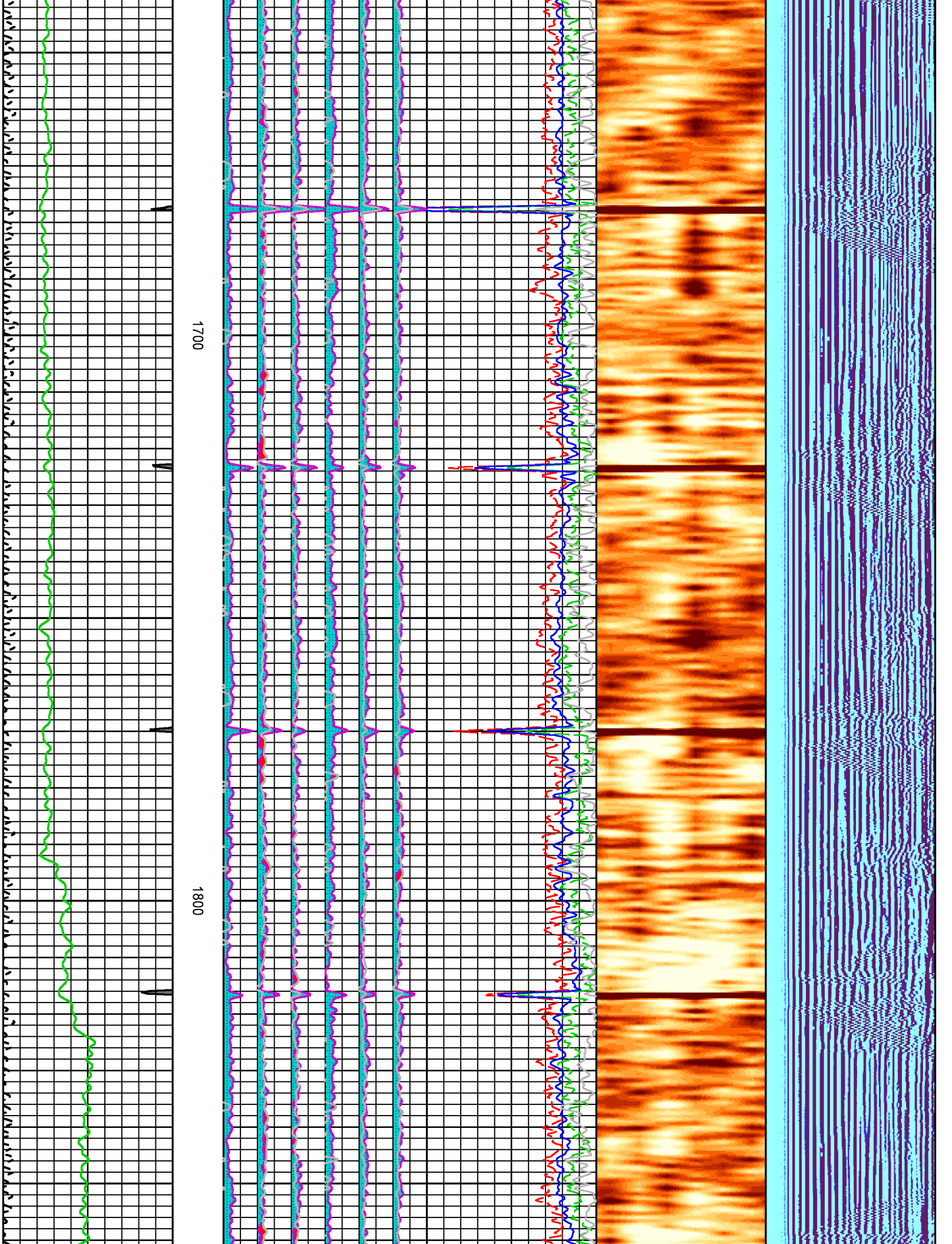
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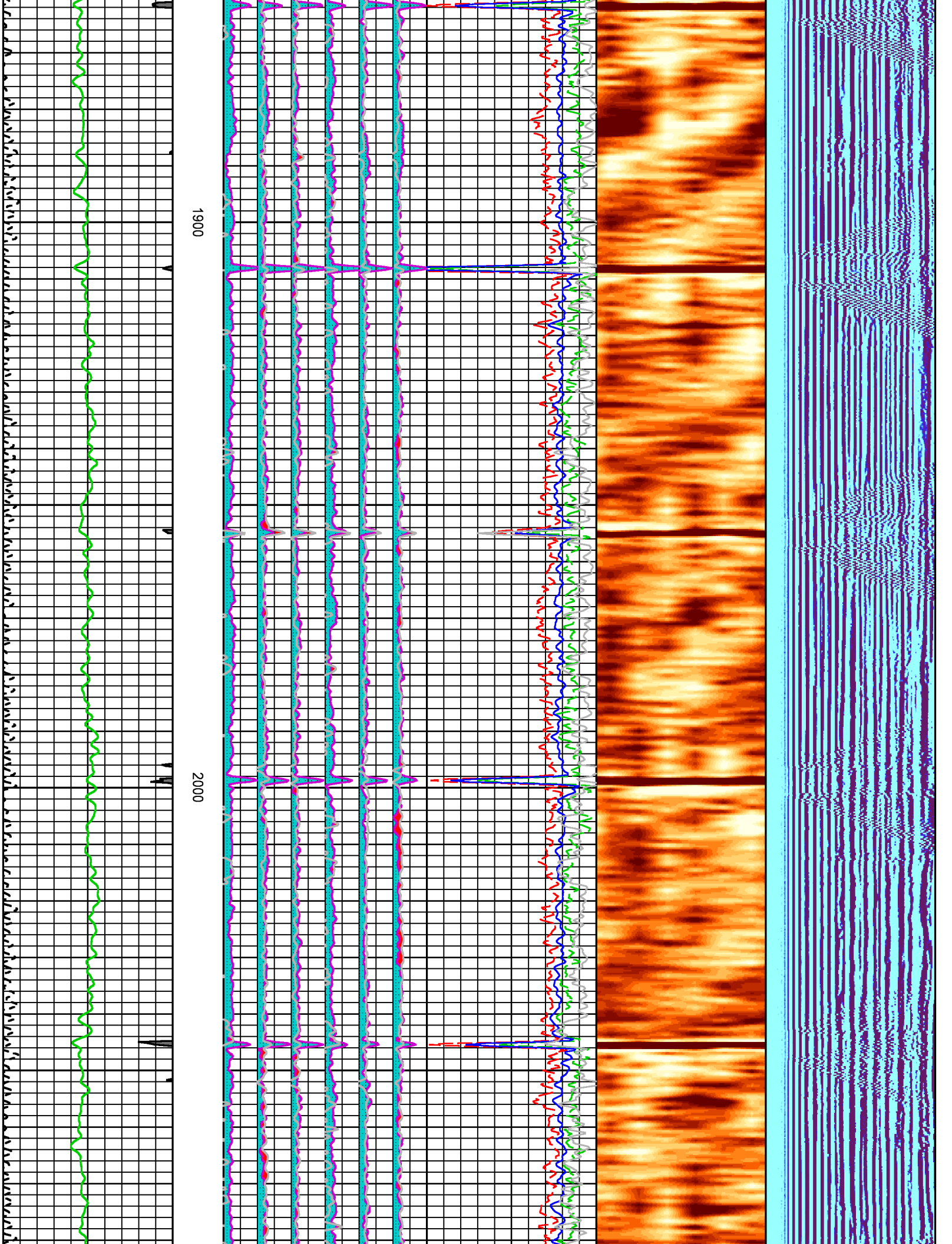


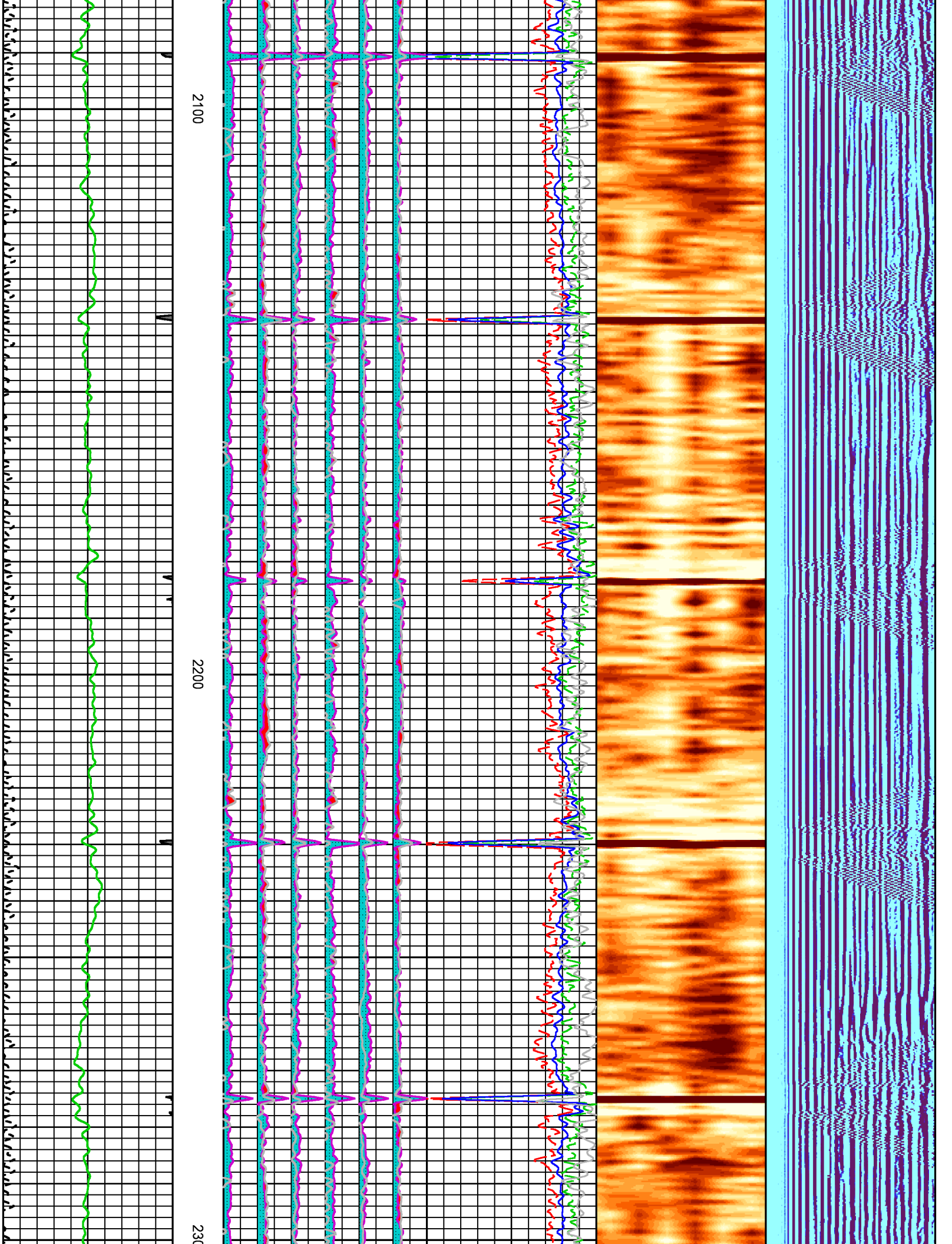


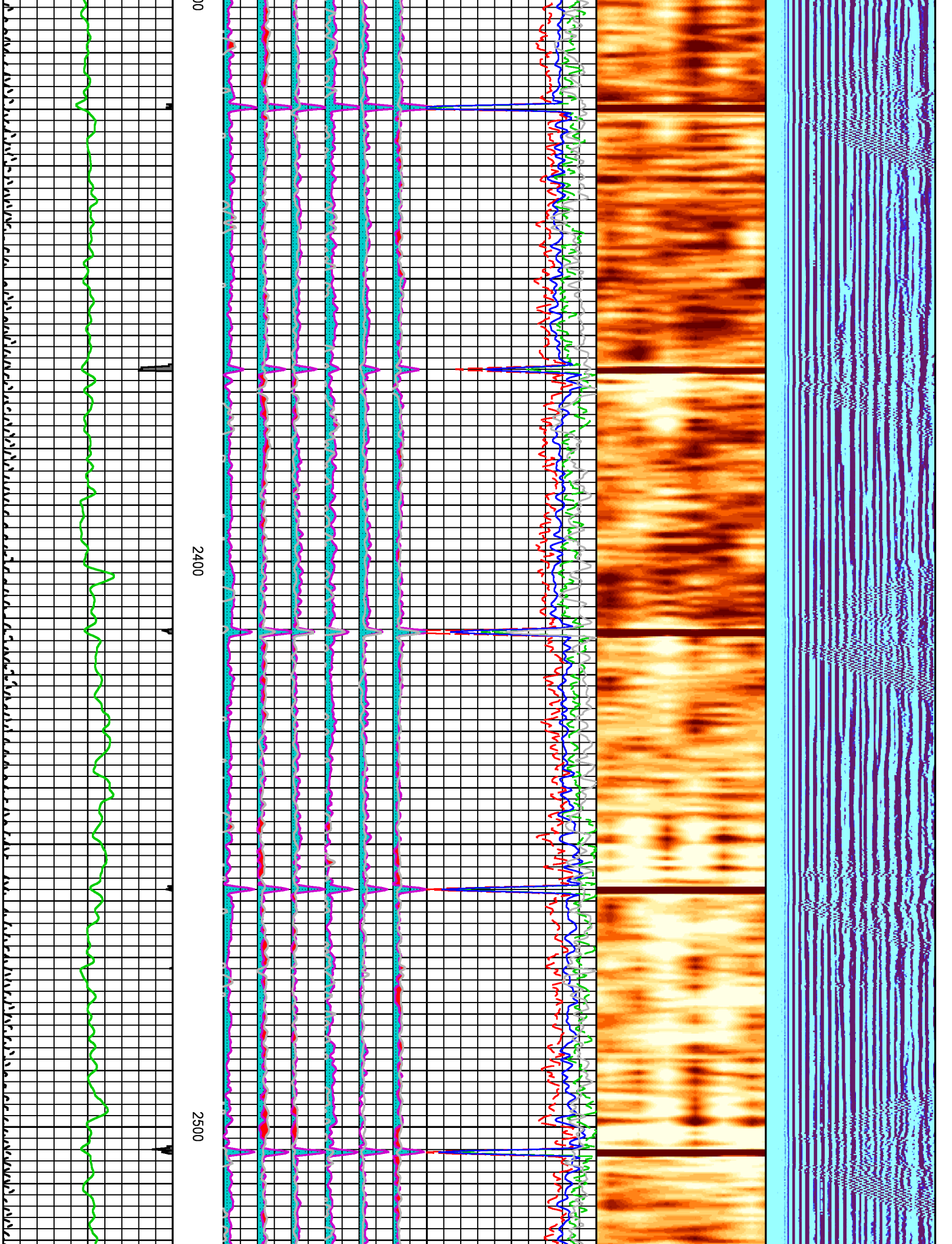


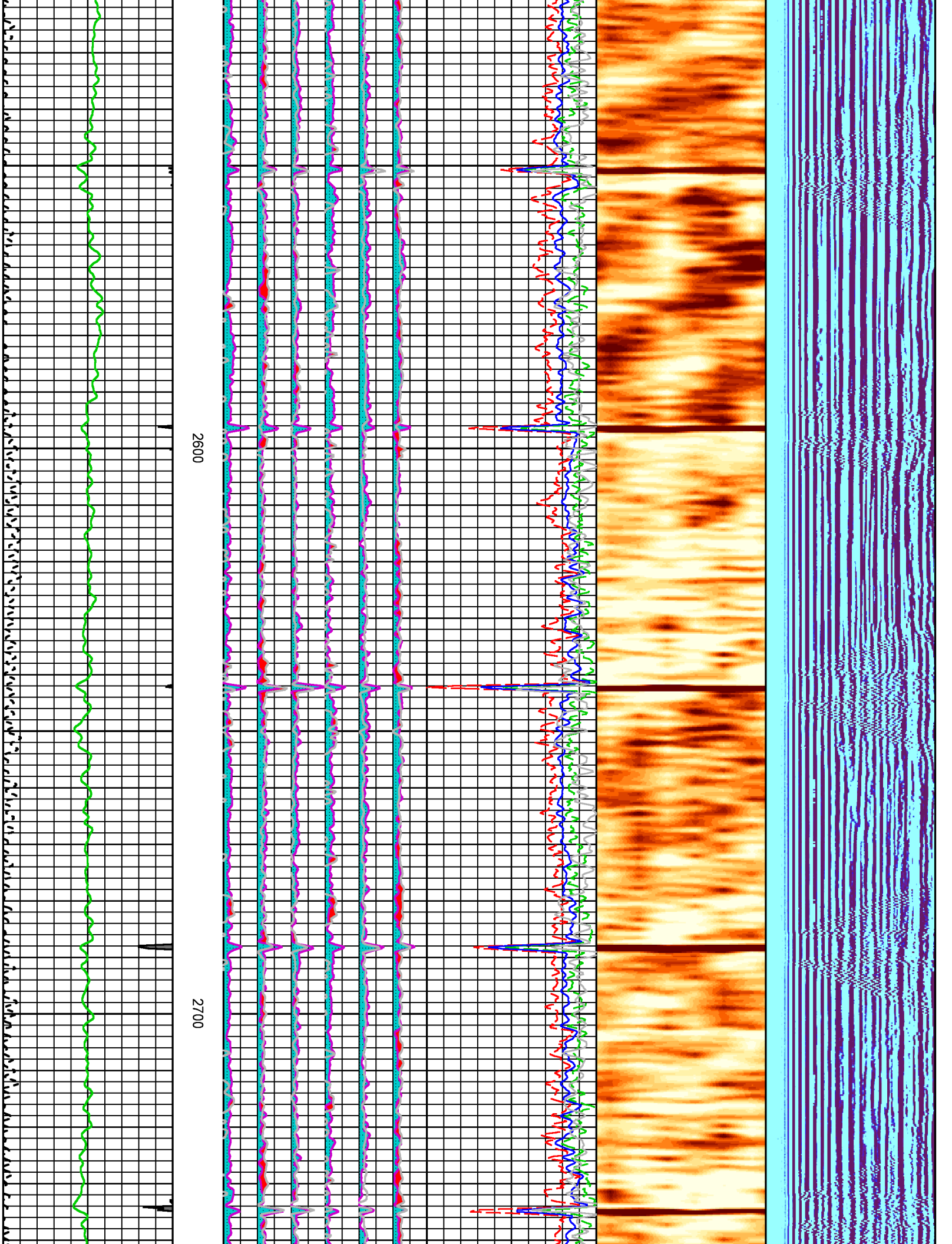


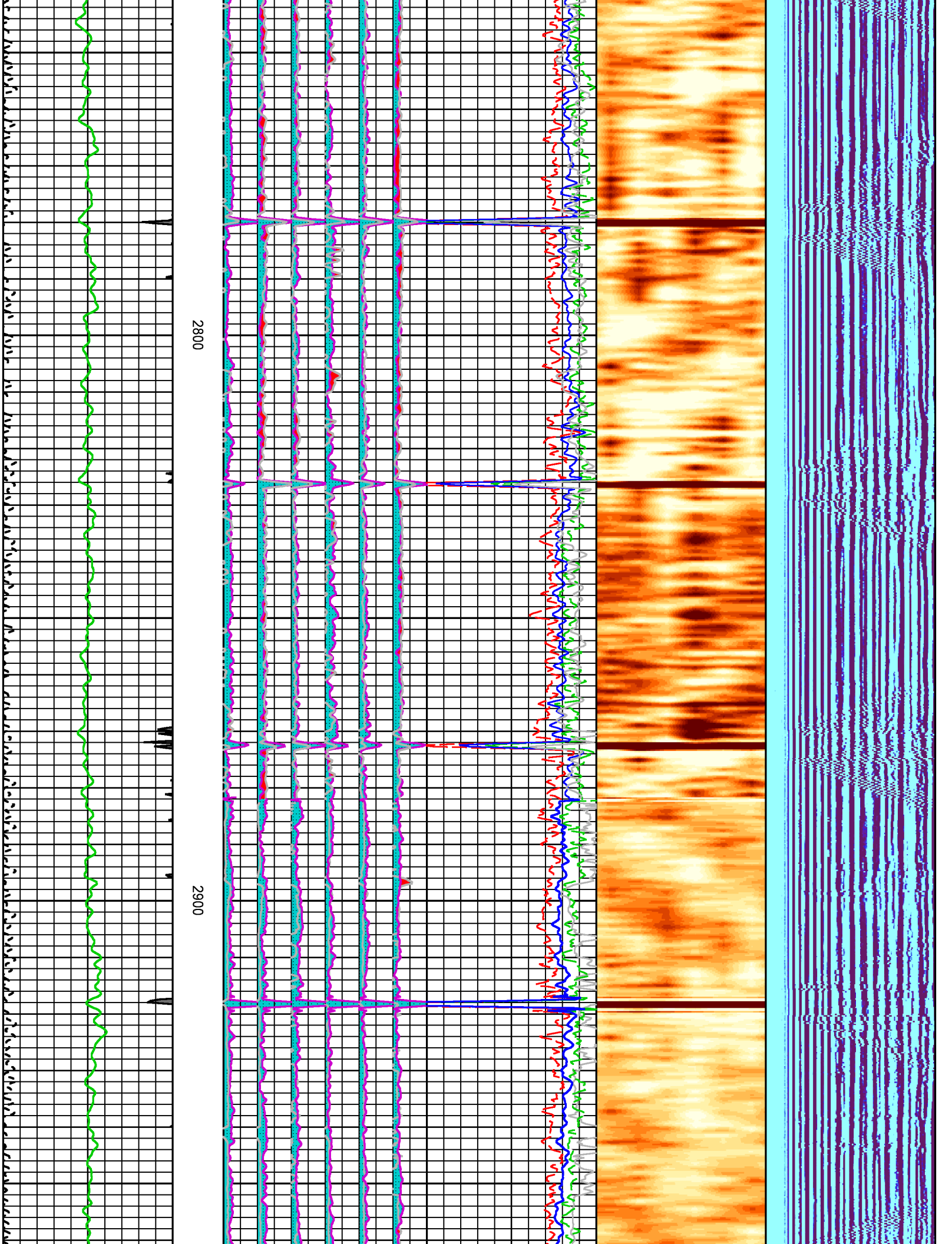


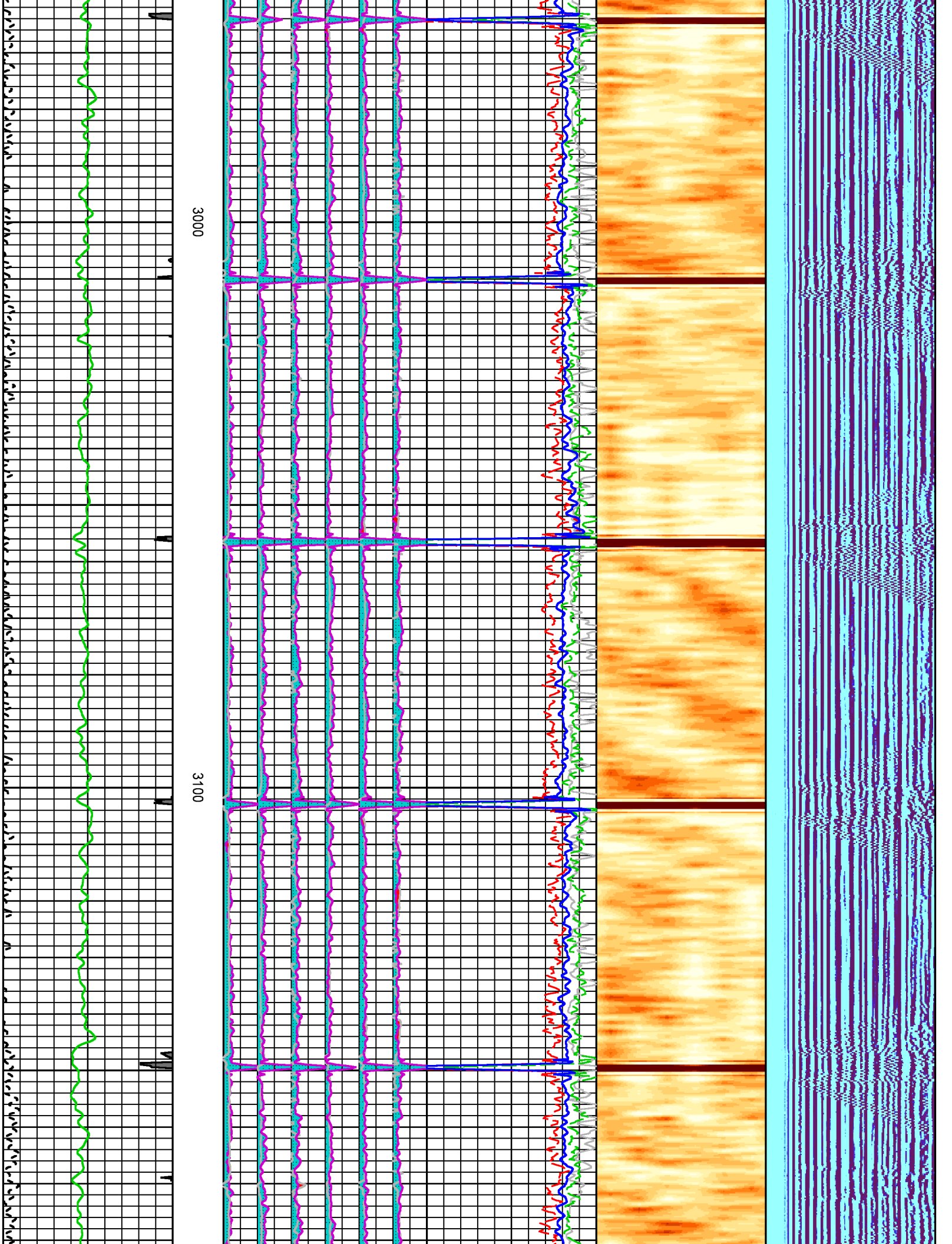


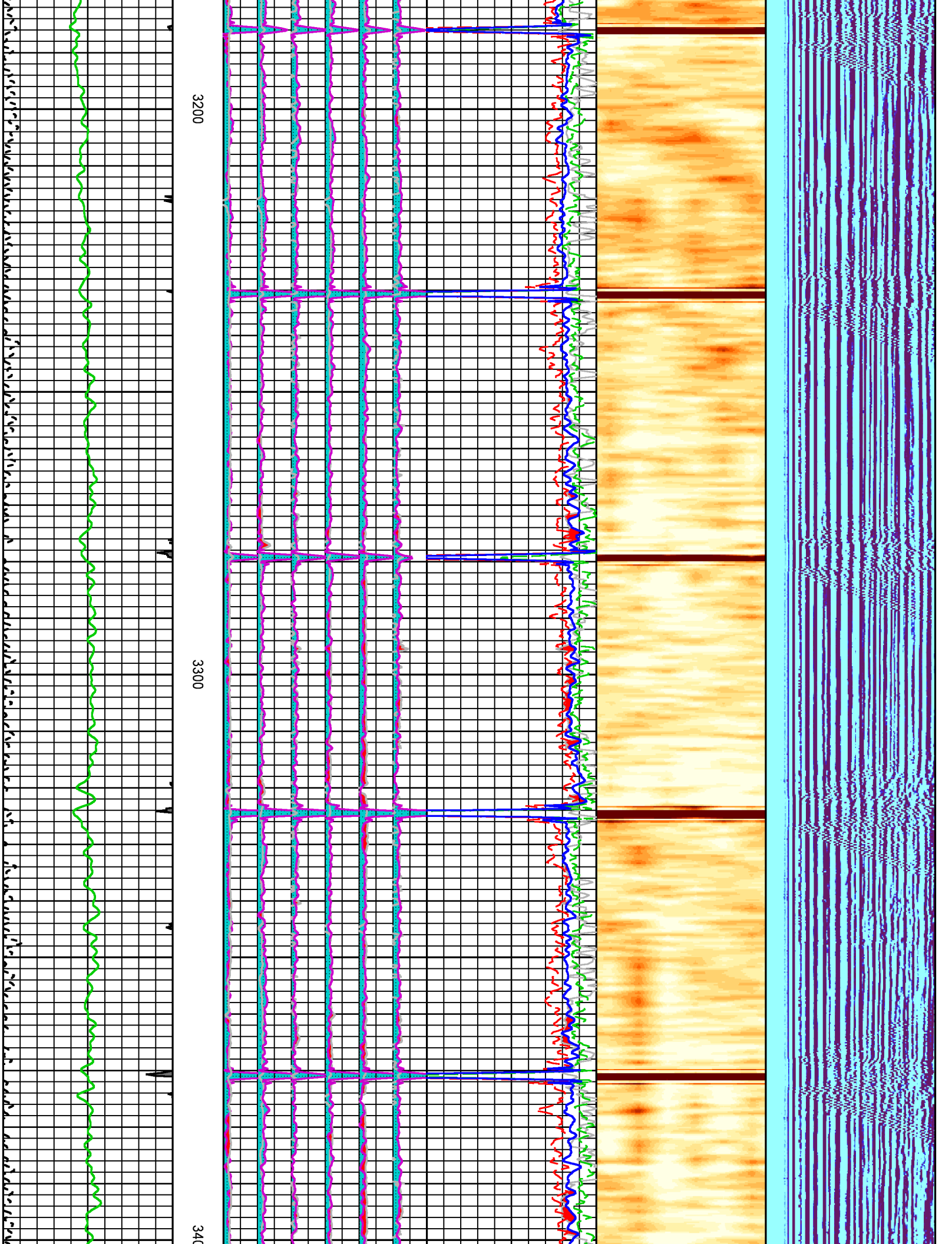


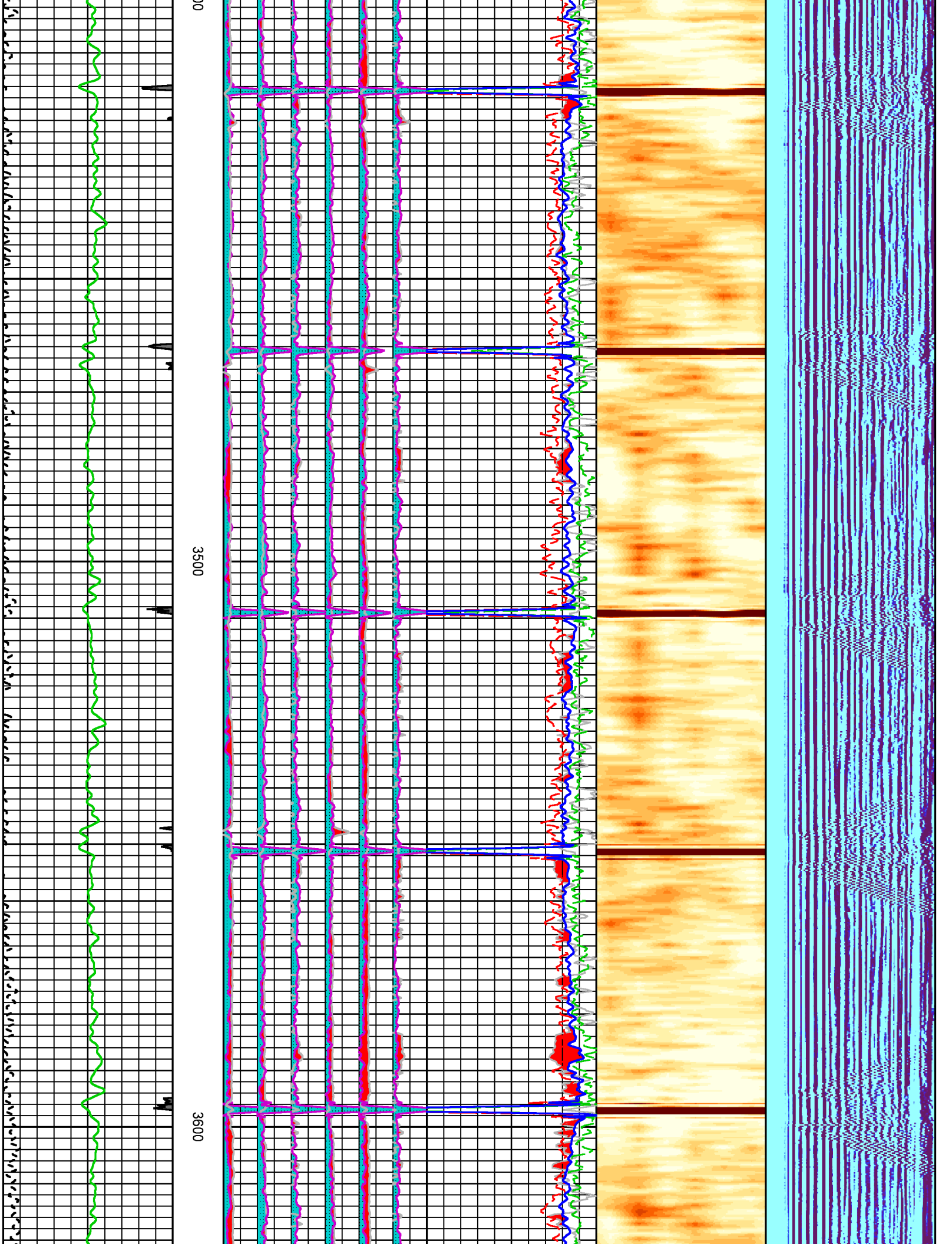


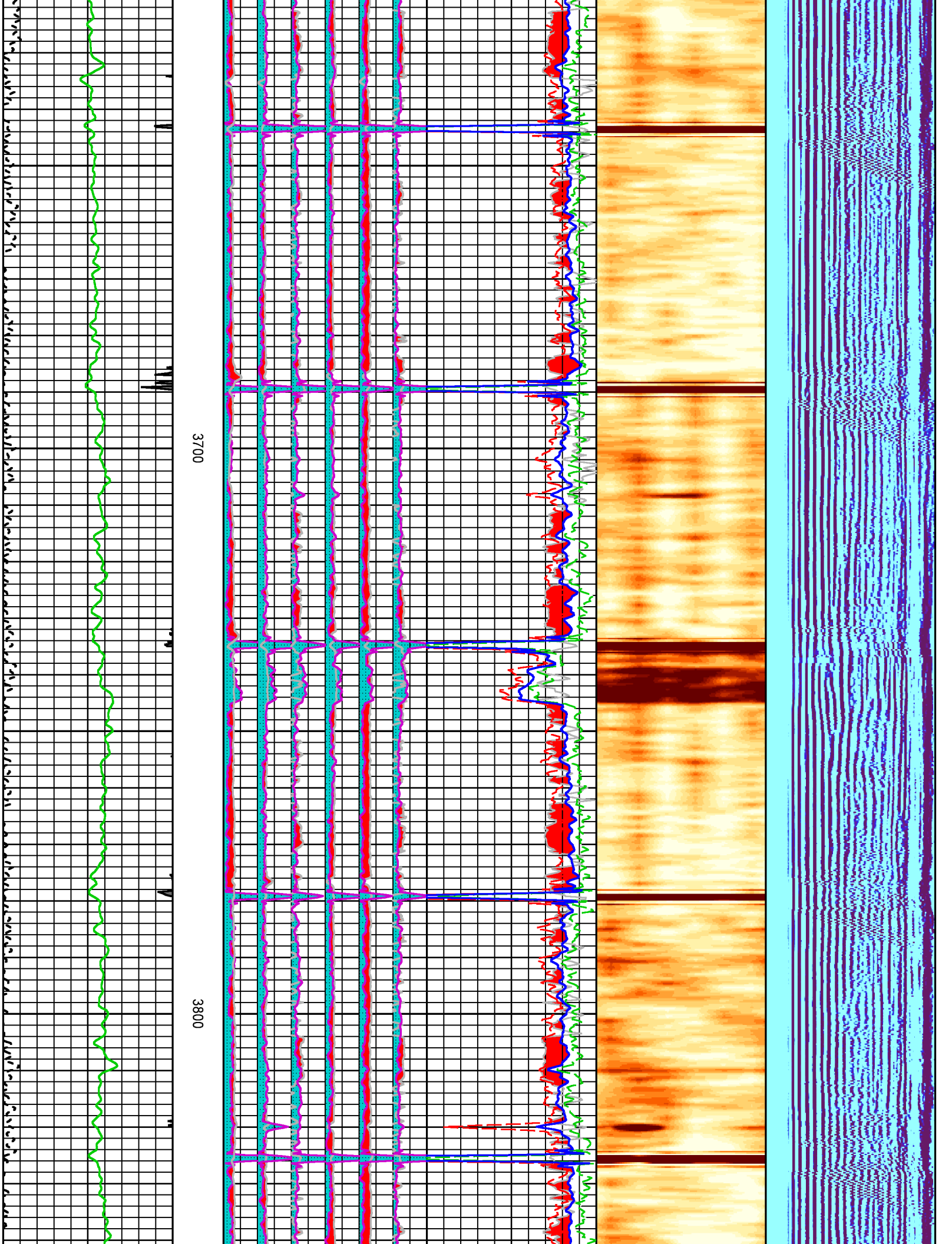


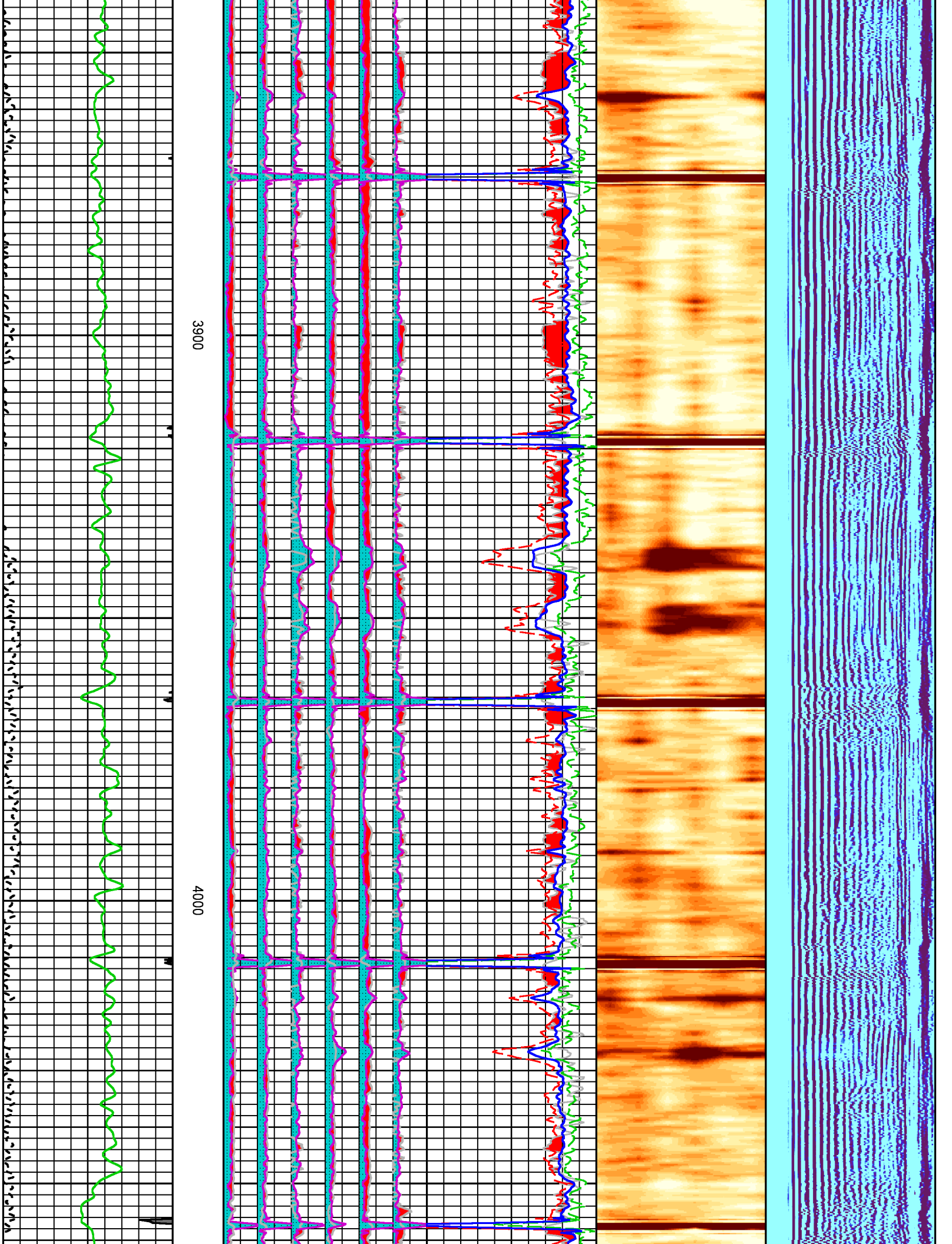


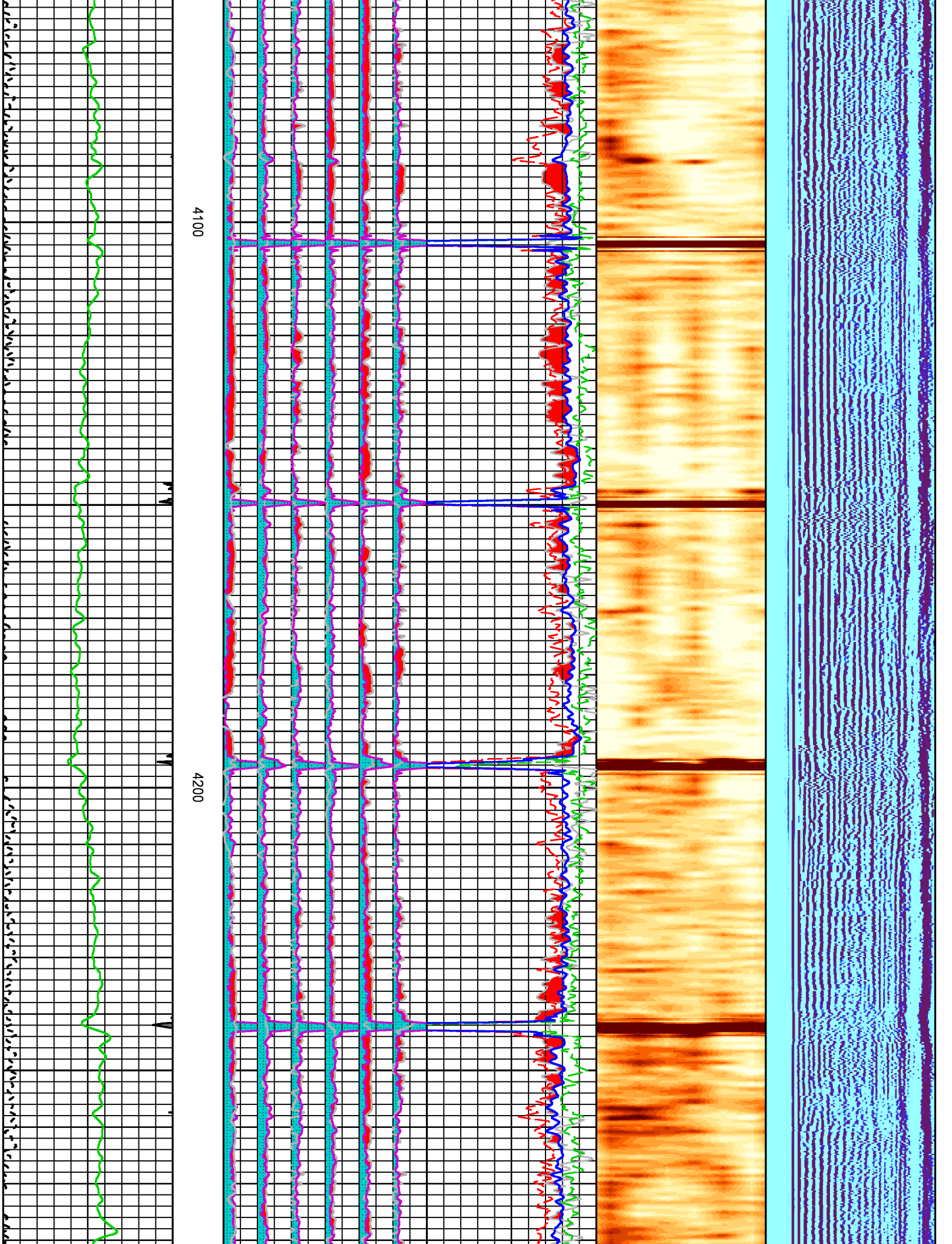


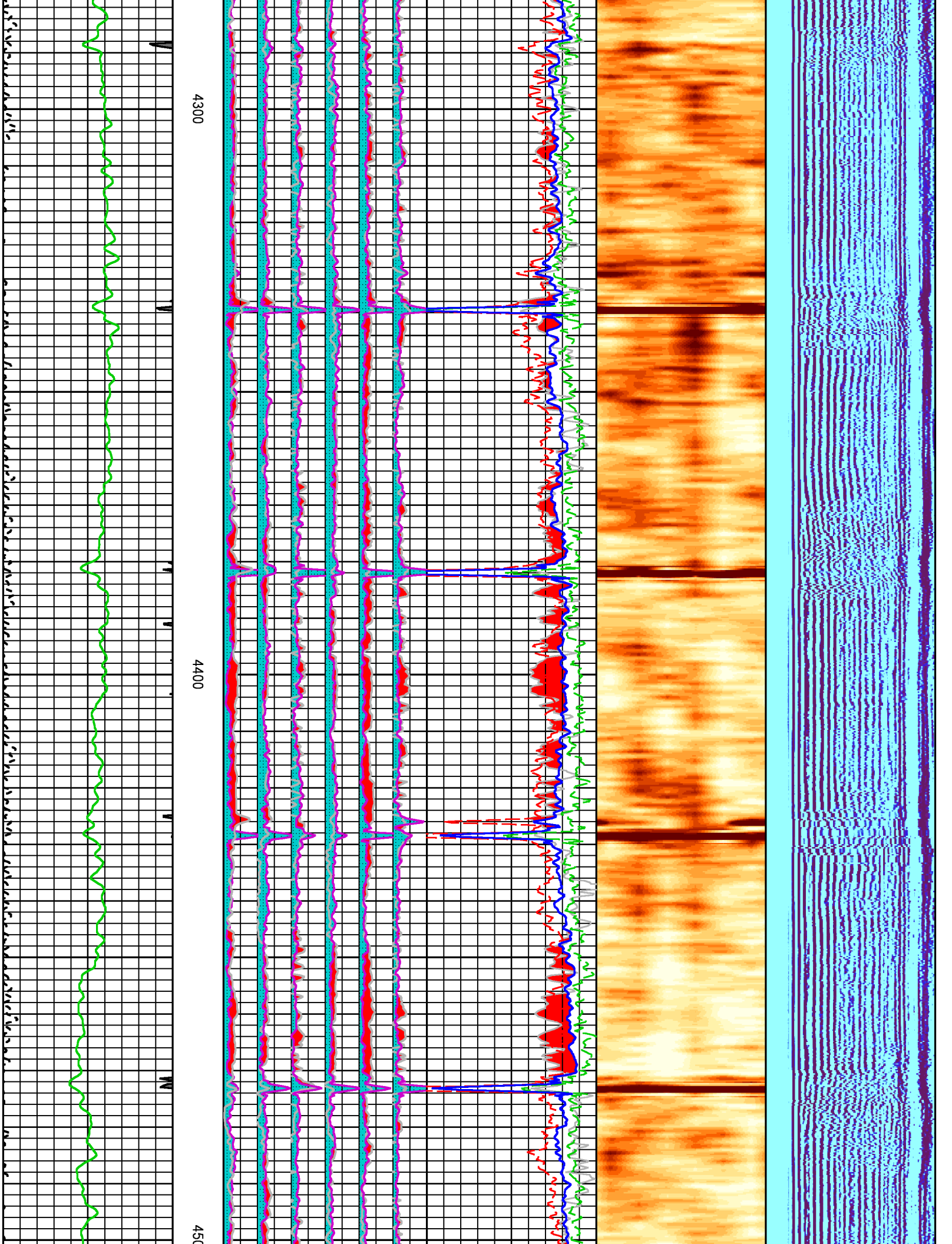


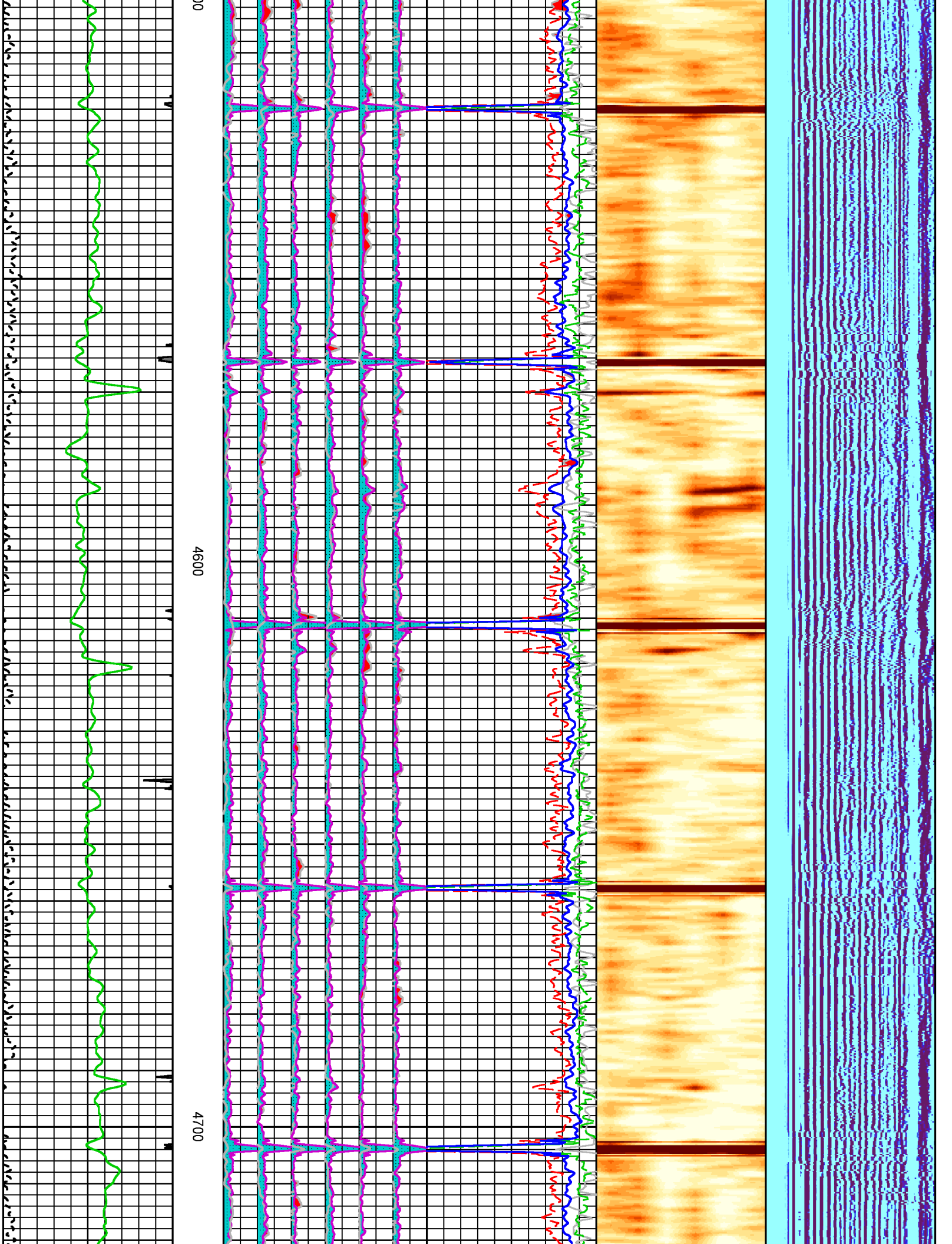


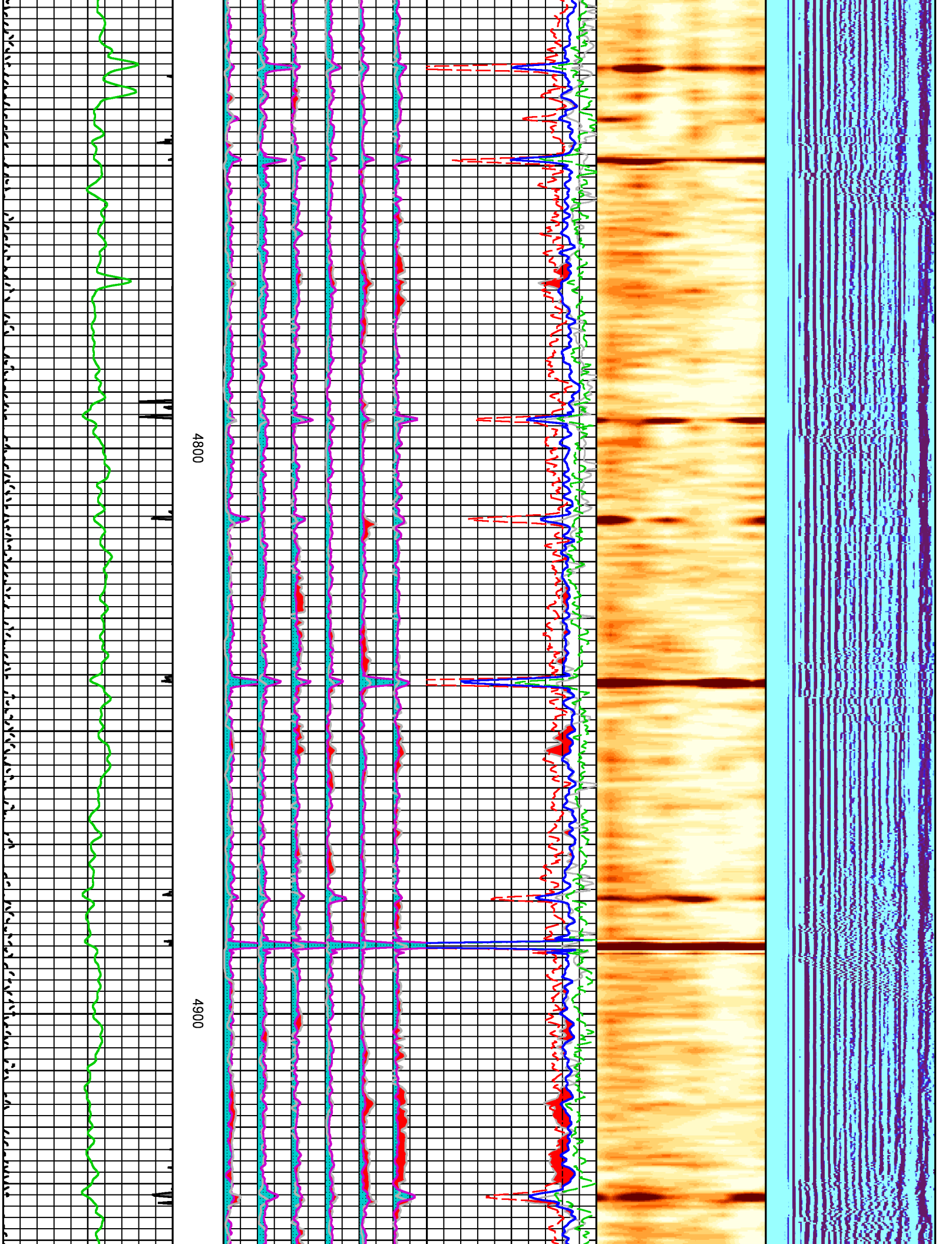


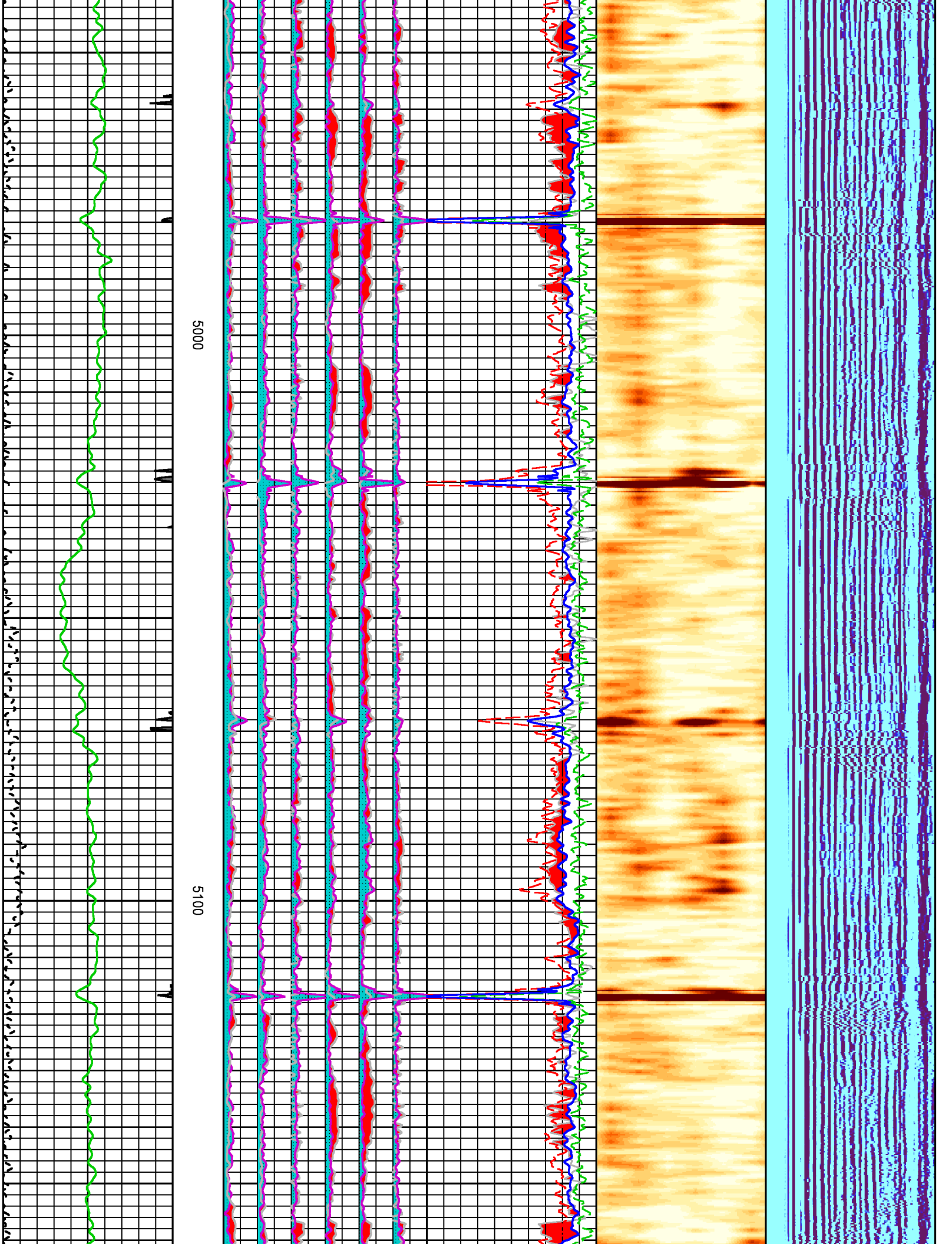


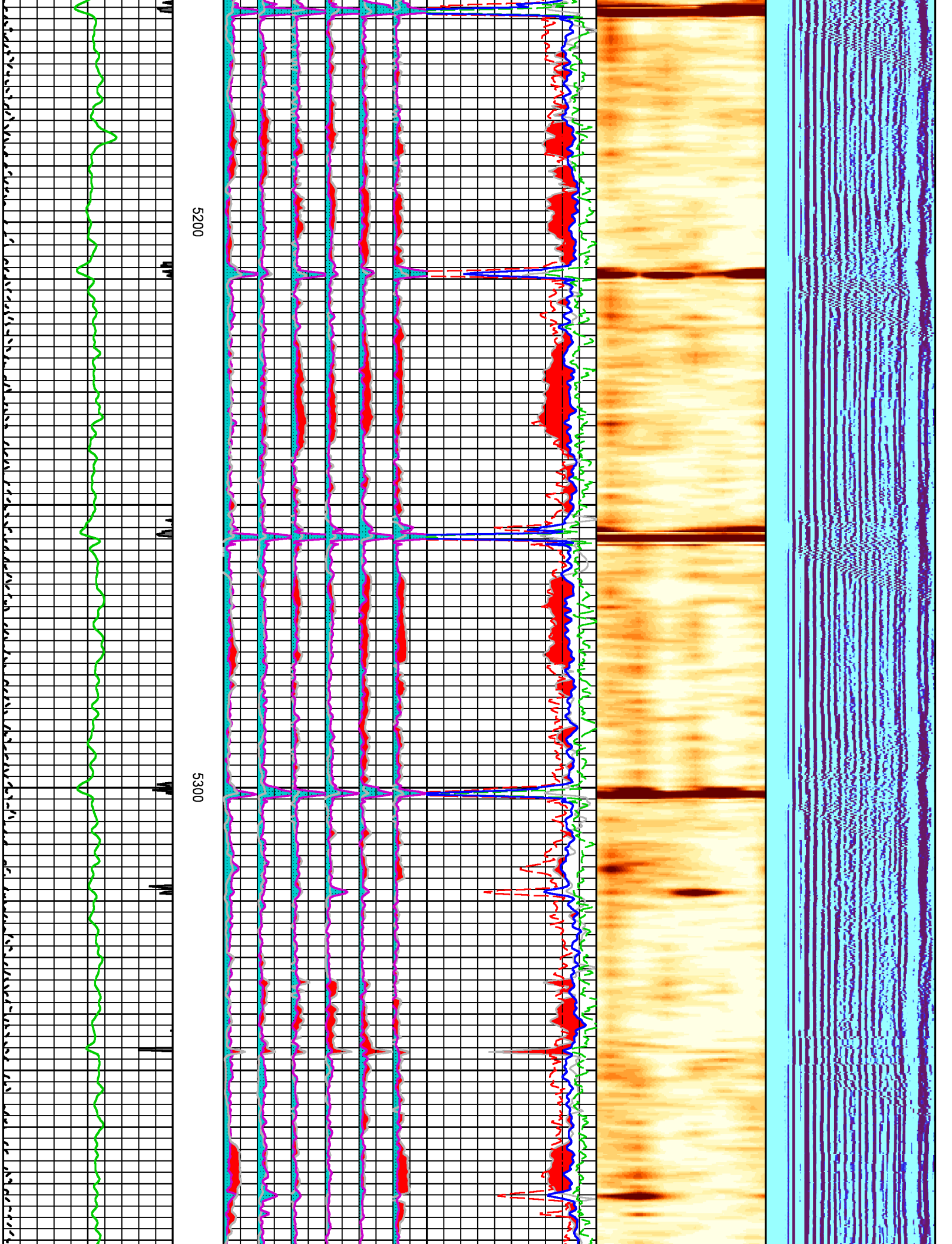


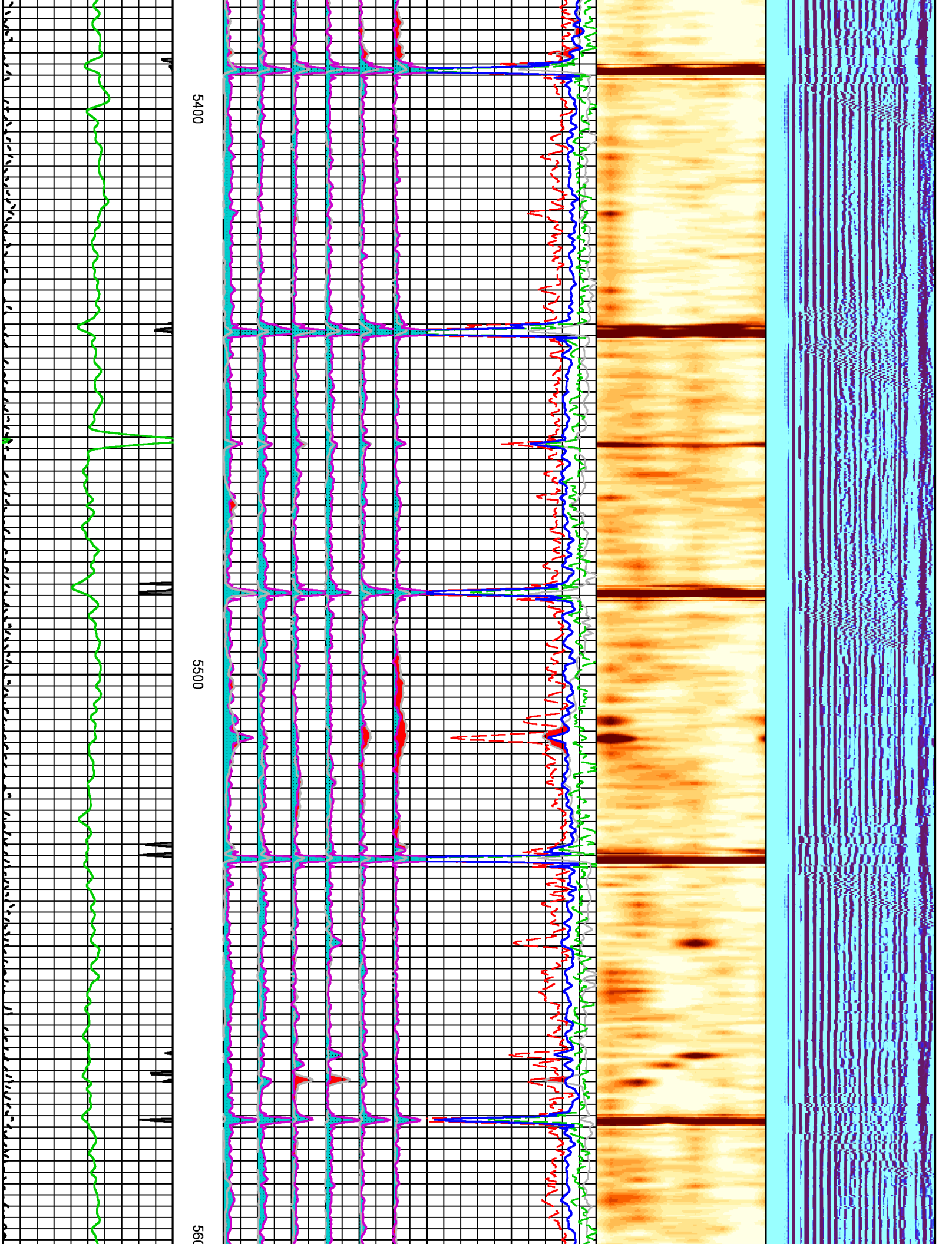


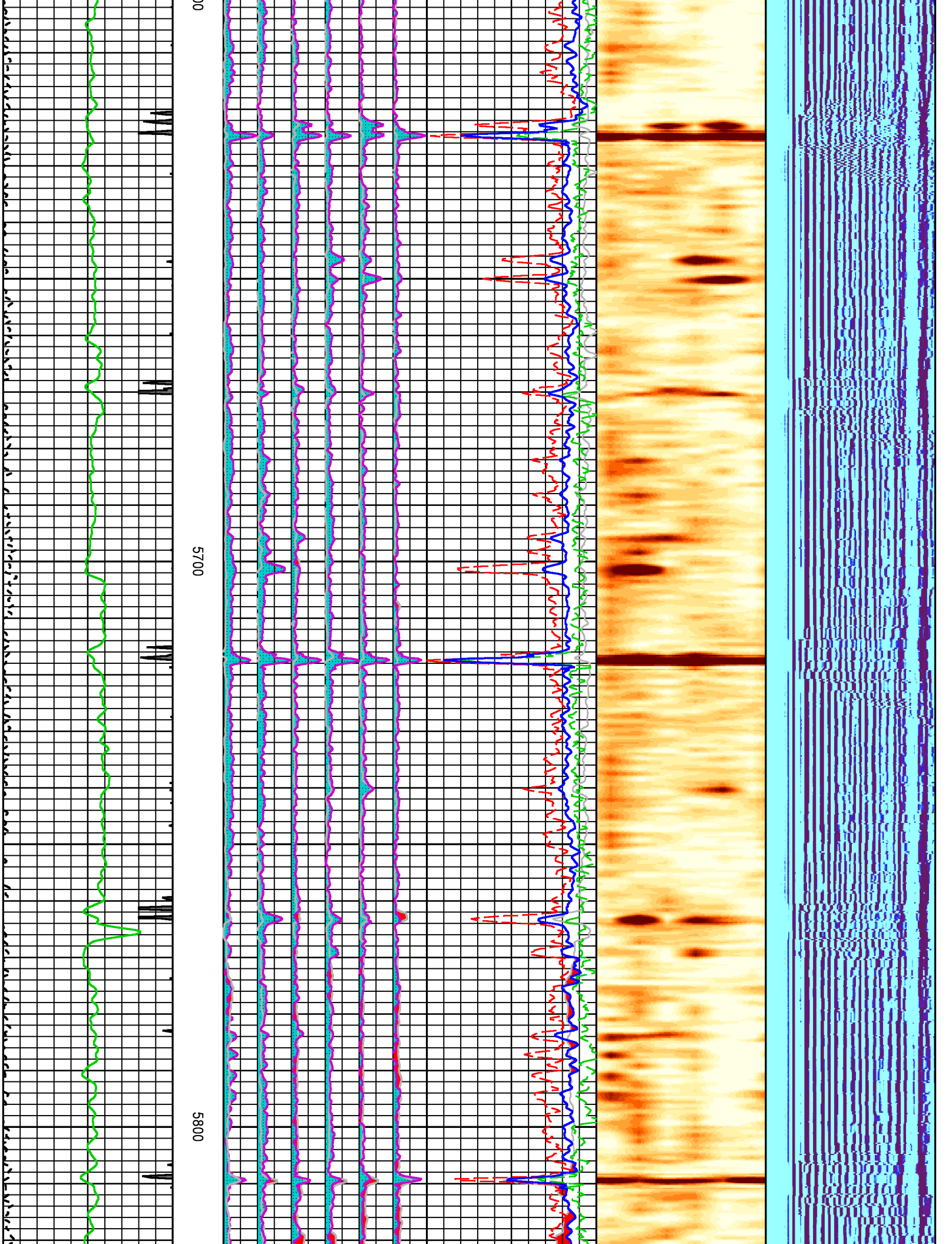


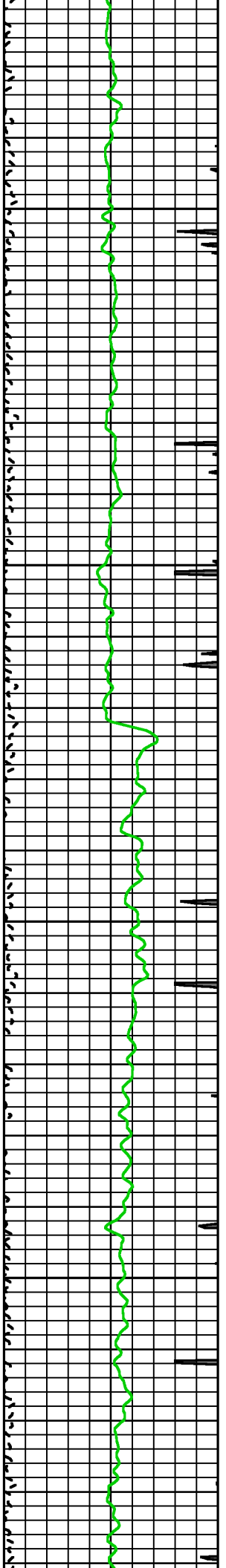






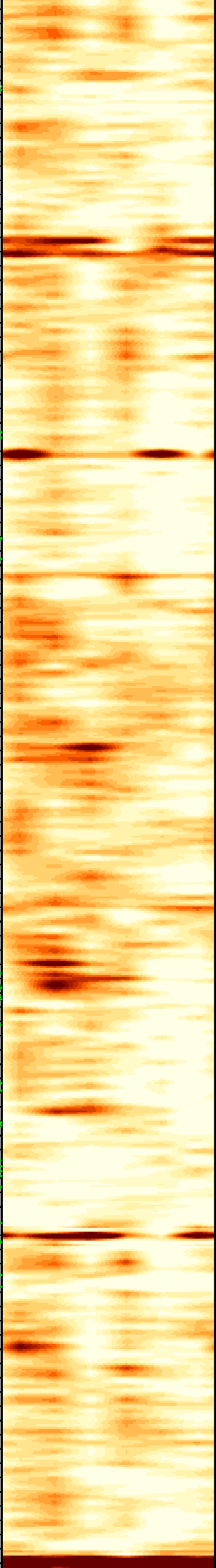
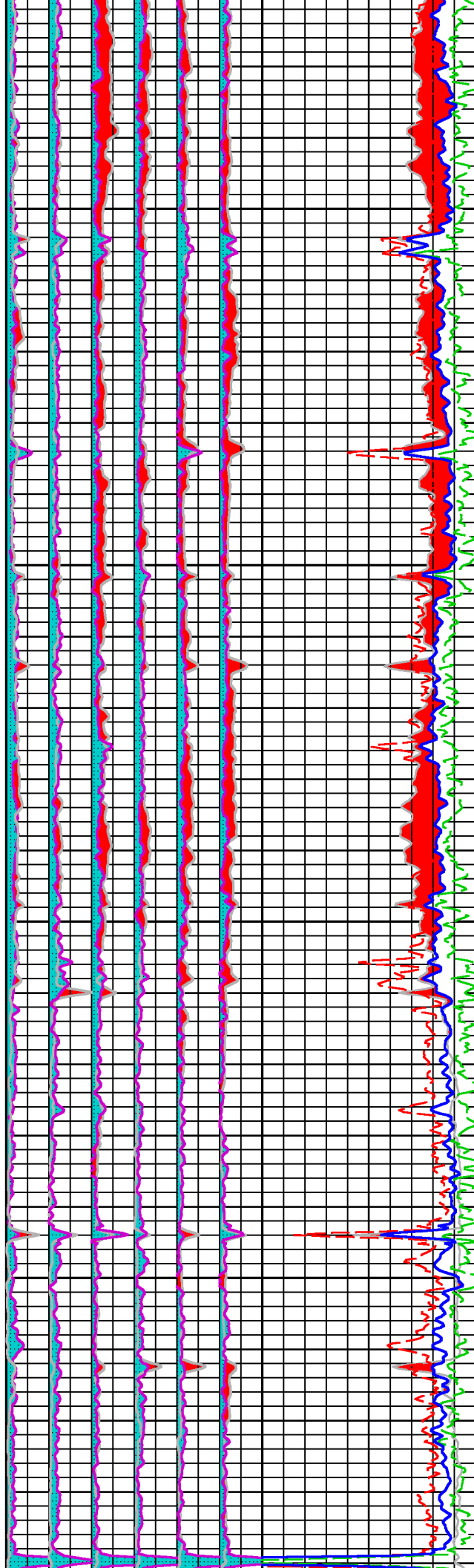


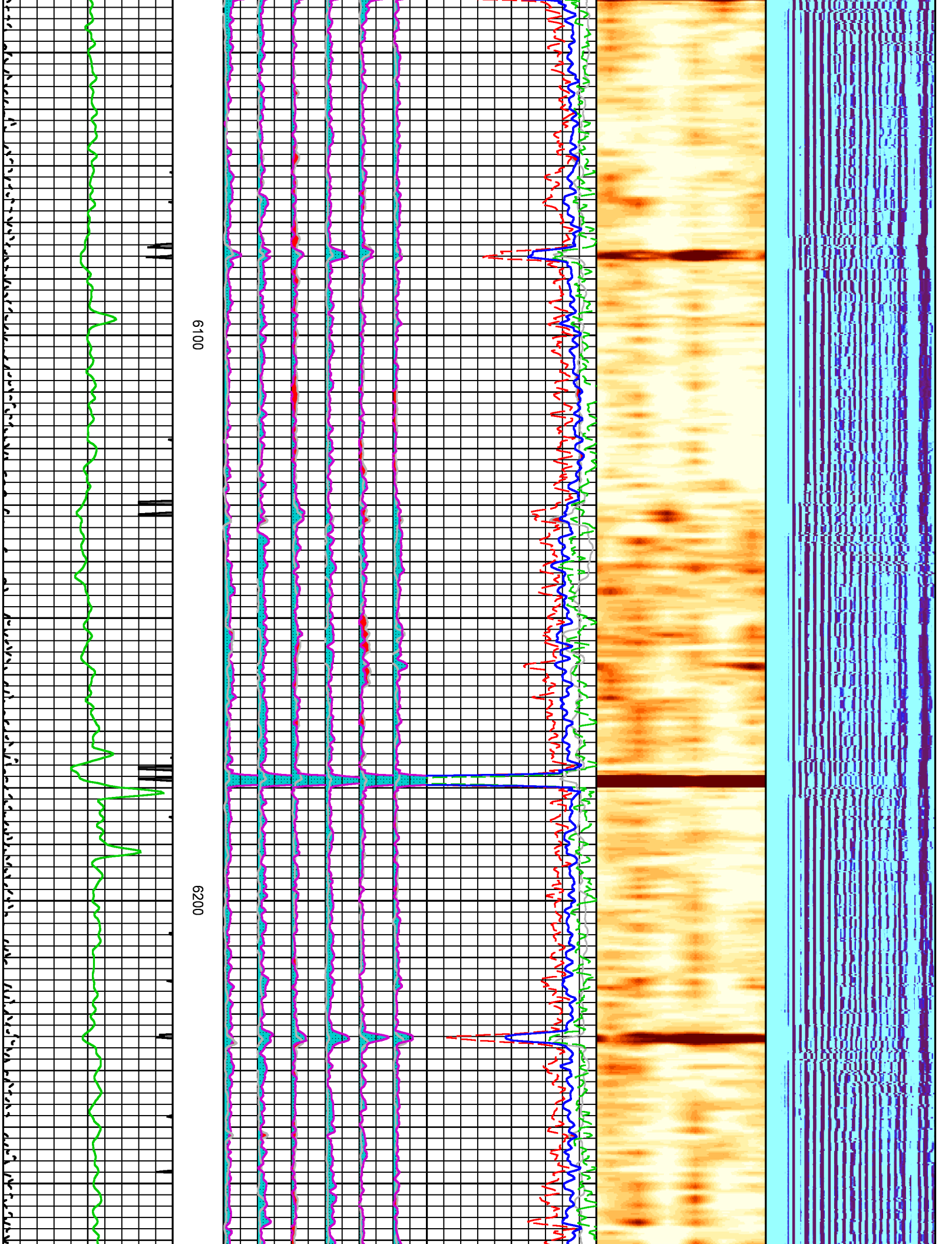


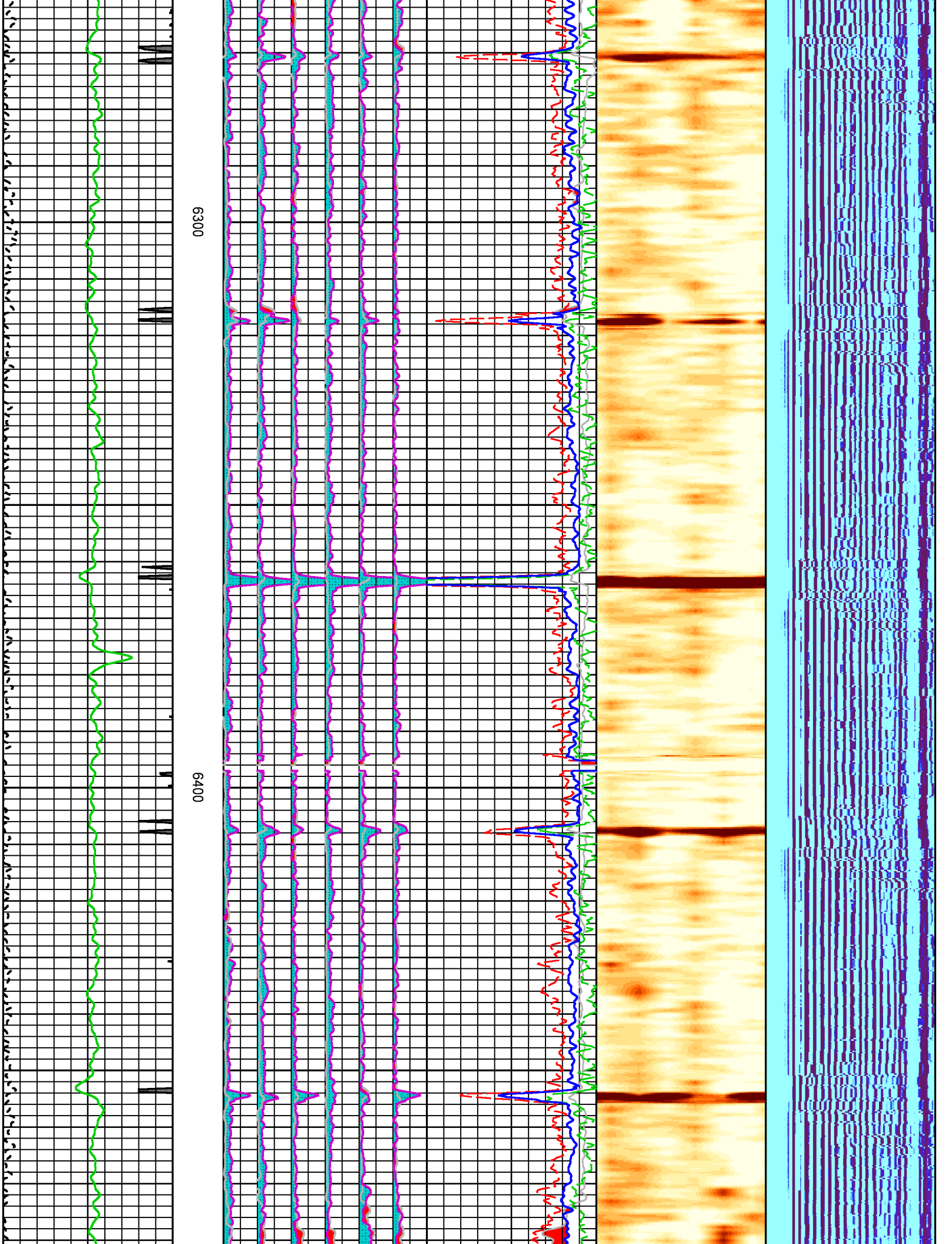


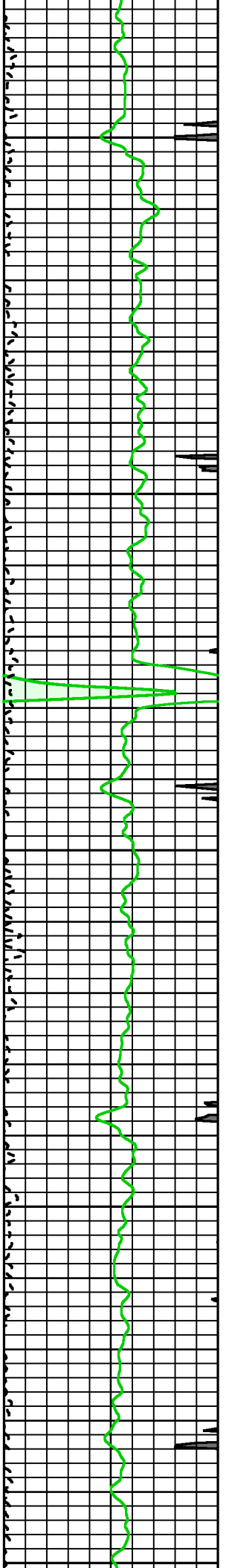
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6000





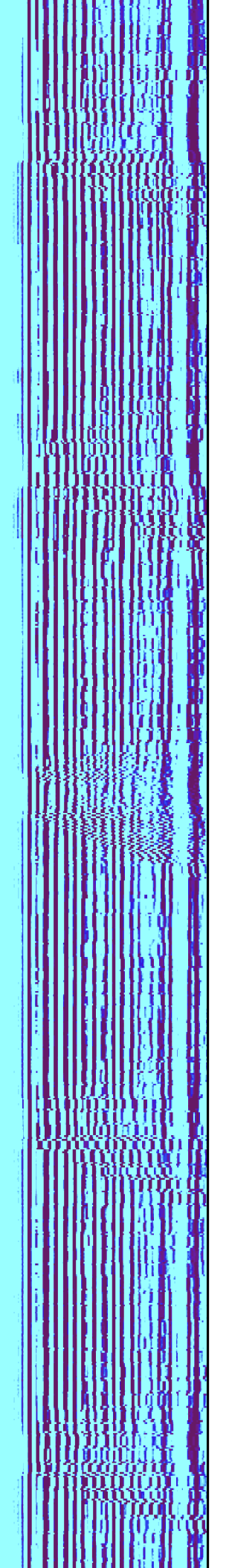
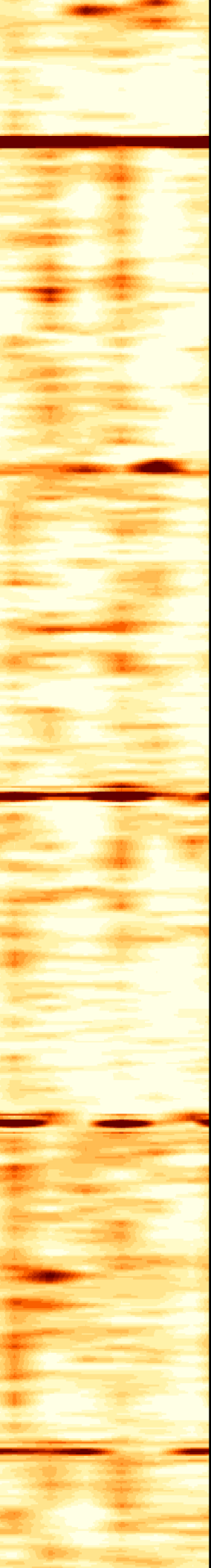
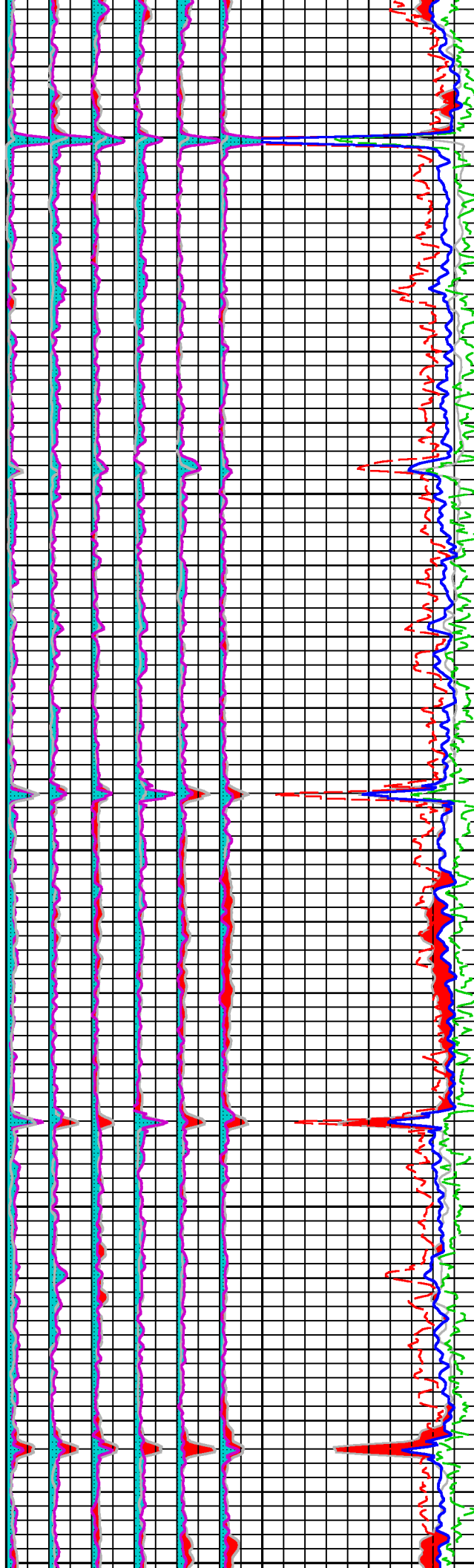


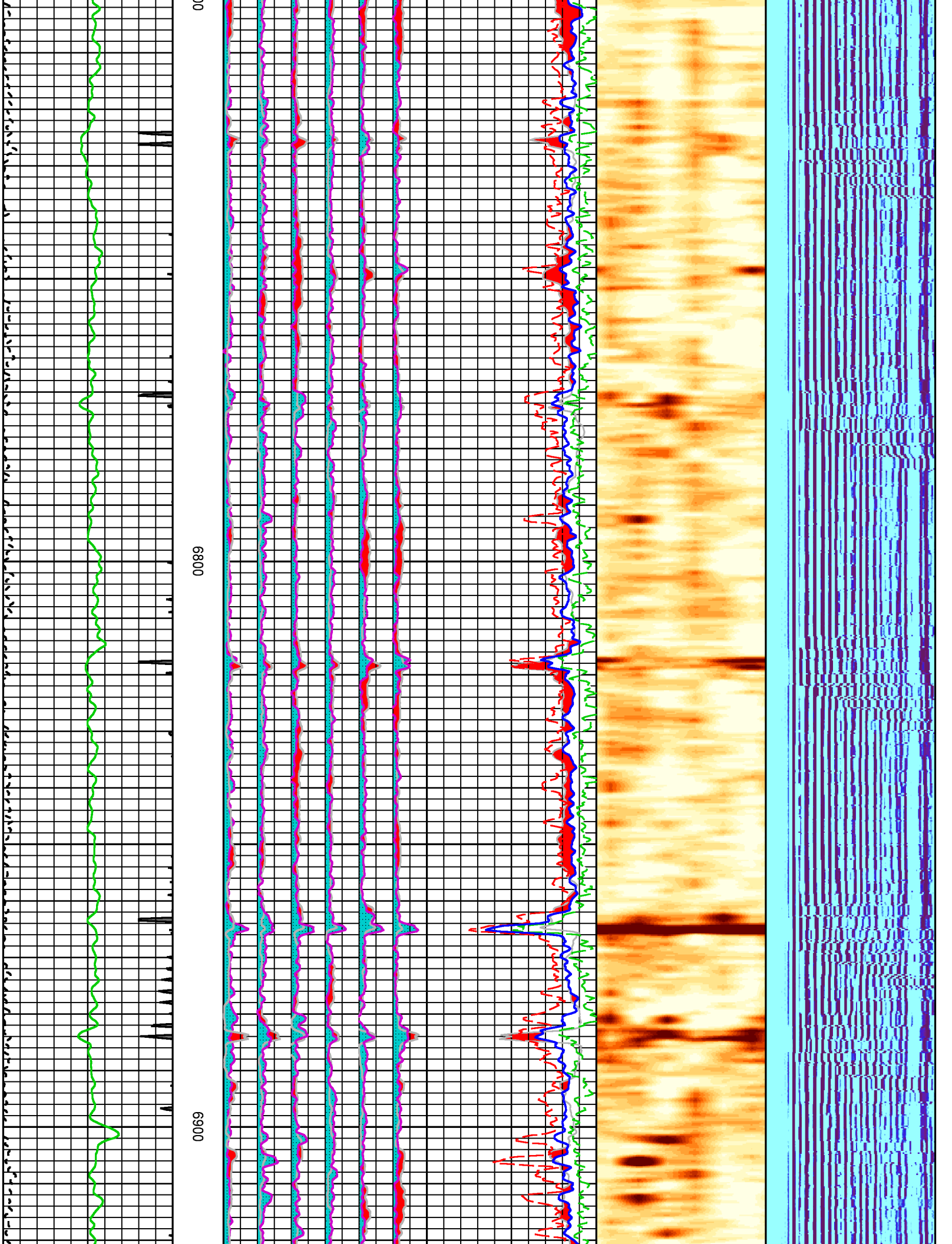


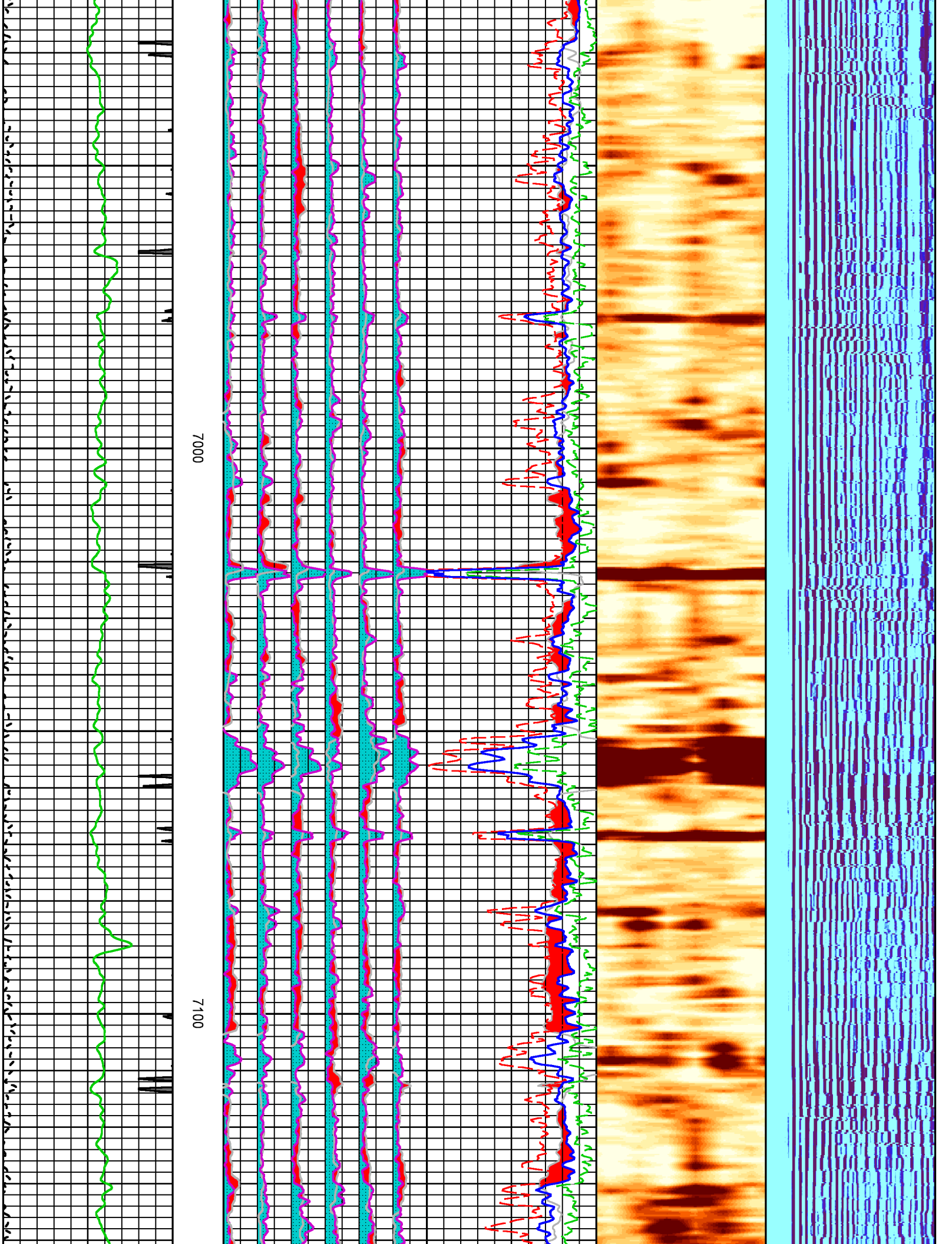
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6600

0059

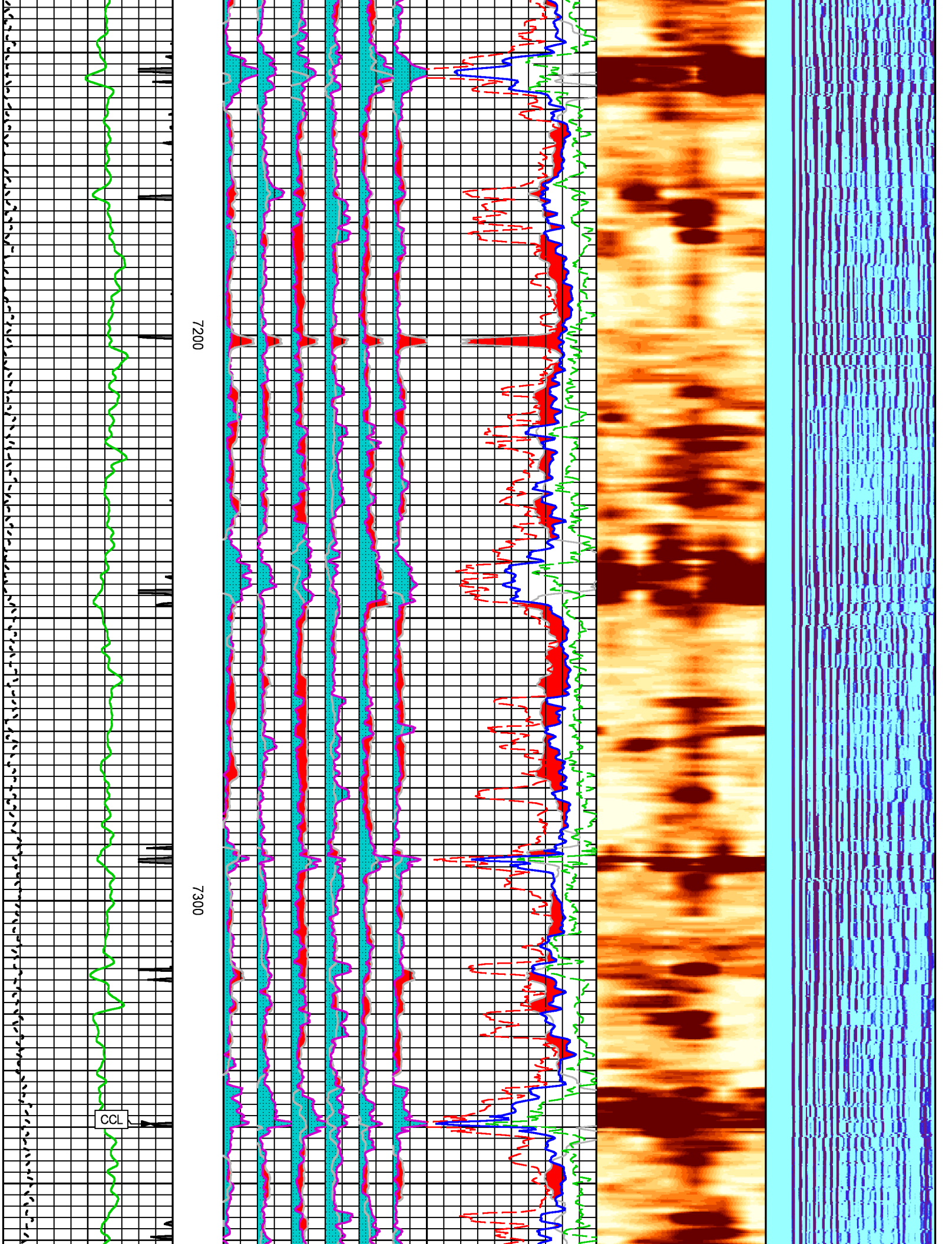


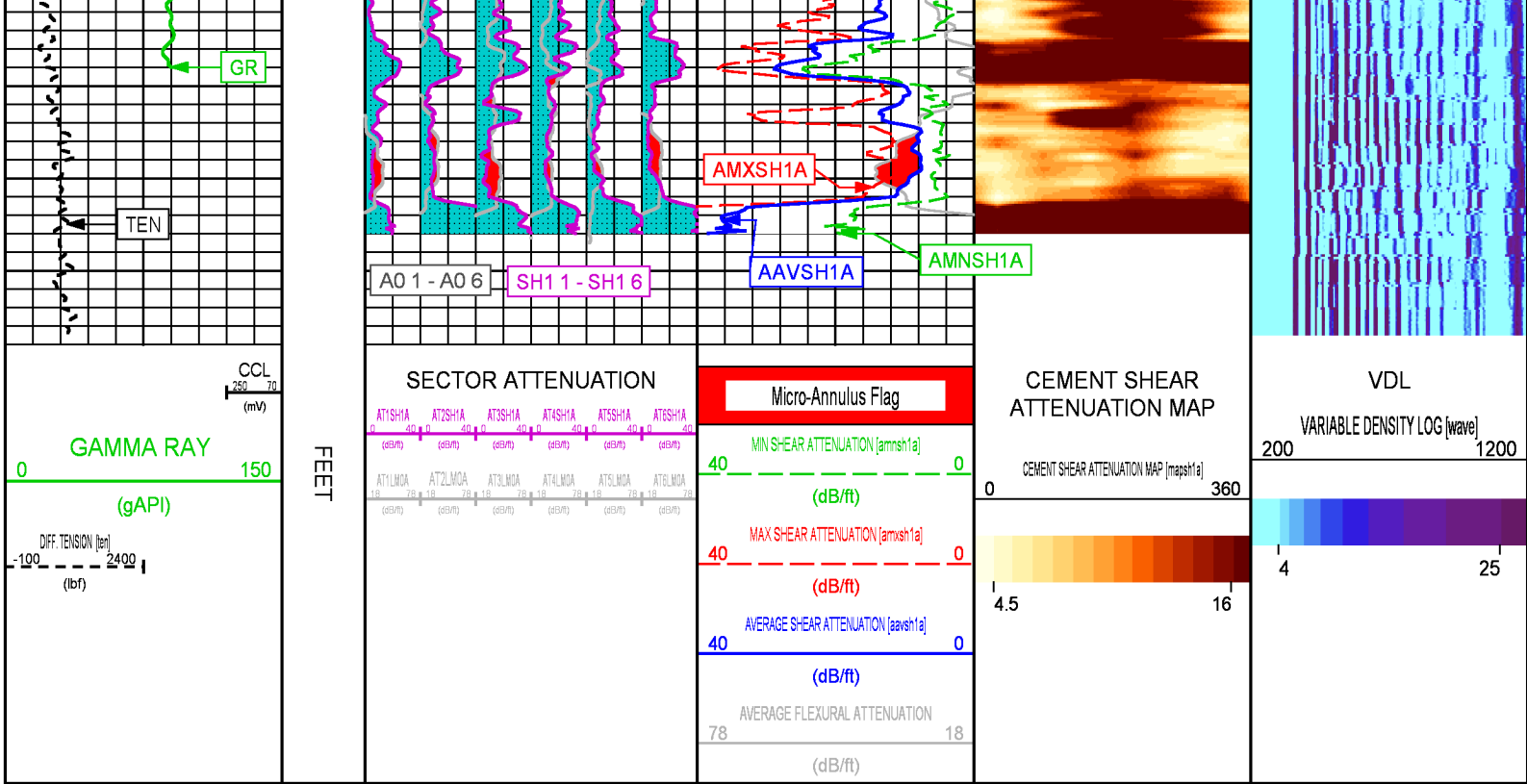




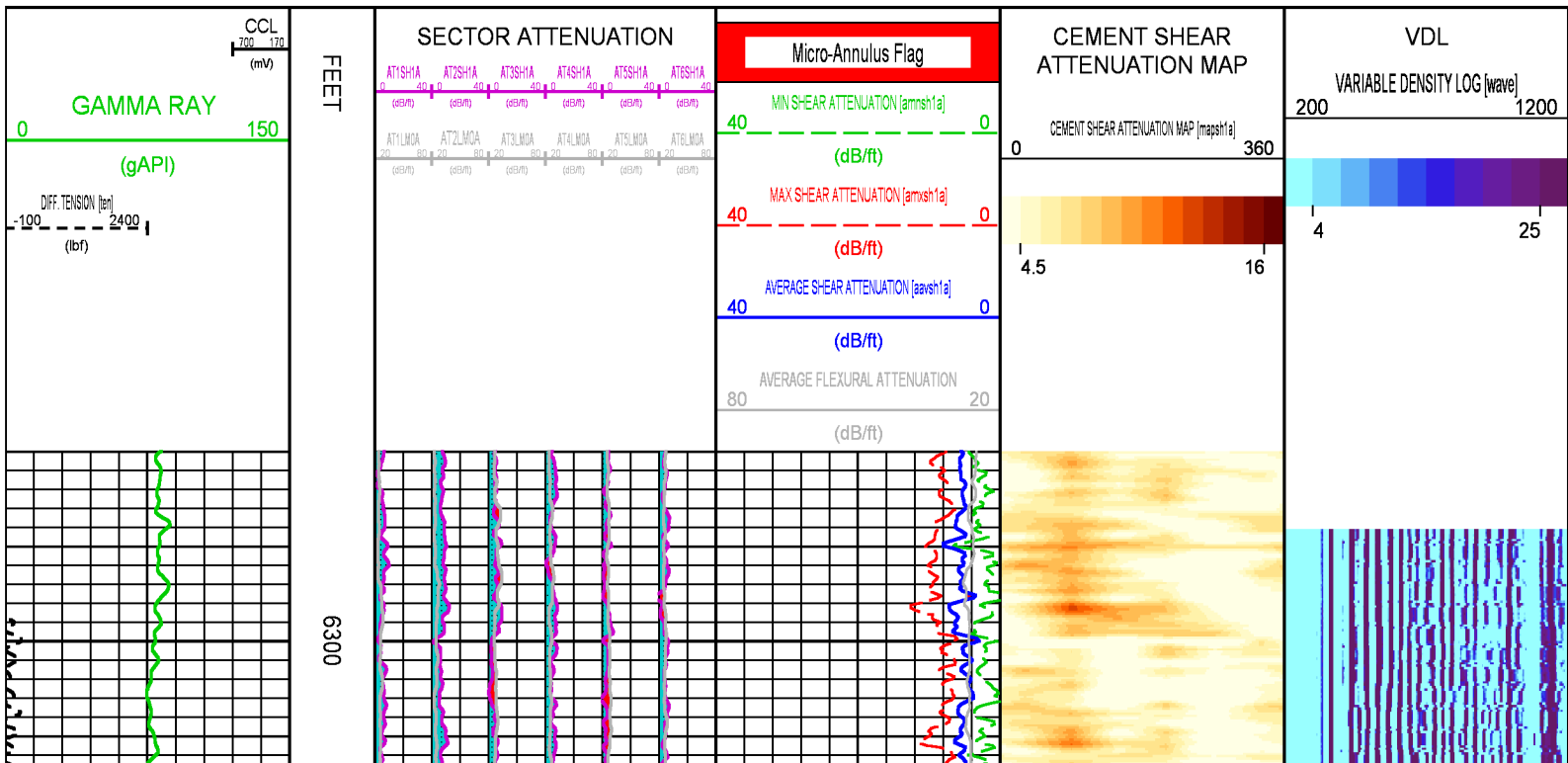
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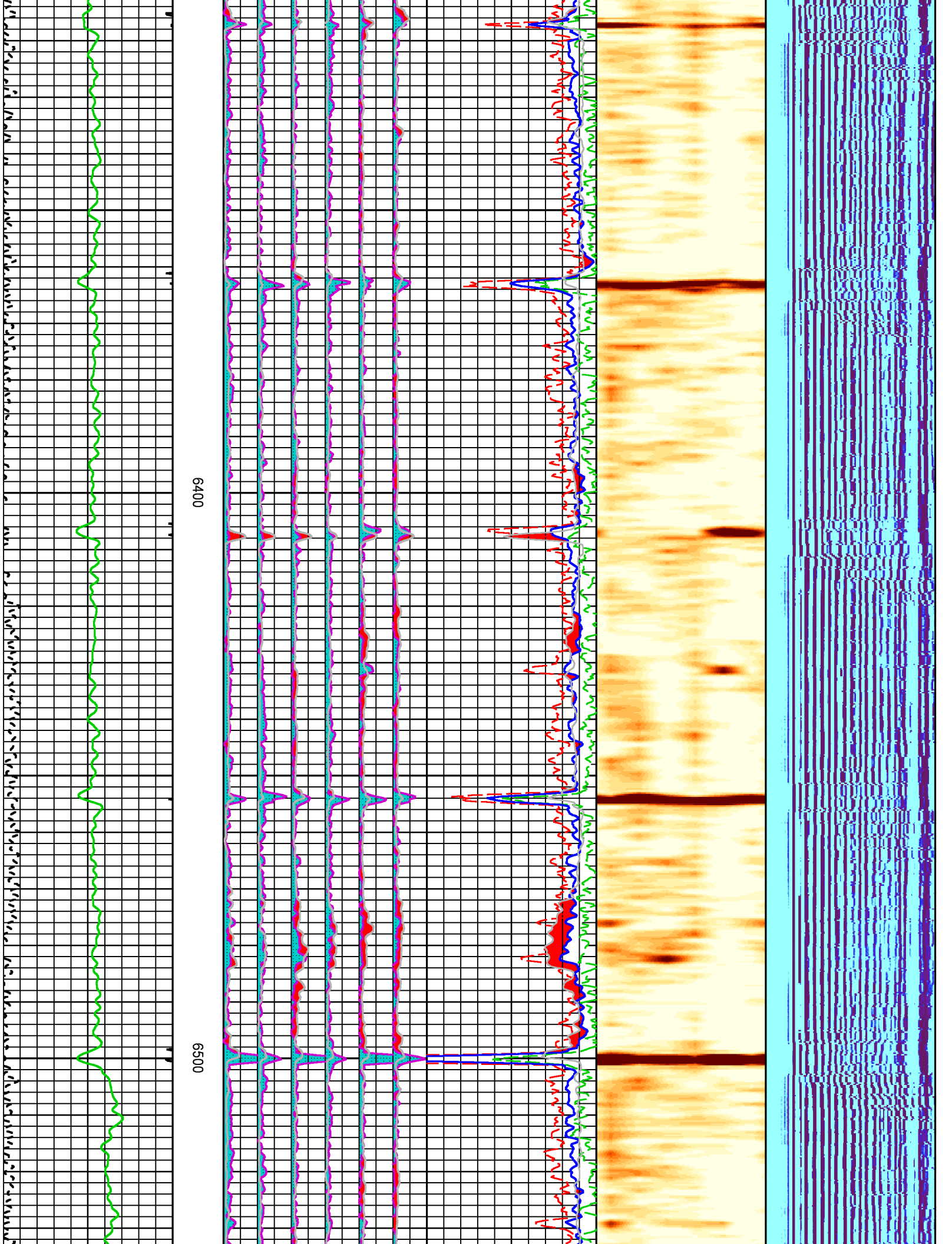
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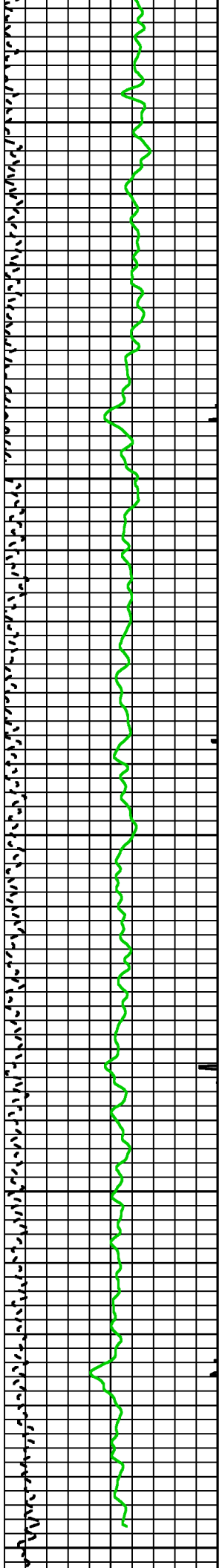




**Integrity eXplorer cement evaluation service  
Repeat Section  
WB 2A 7H-E168**

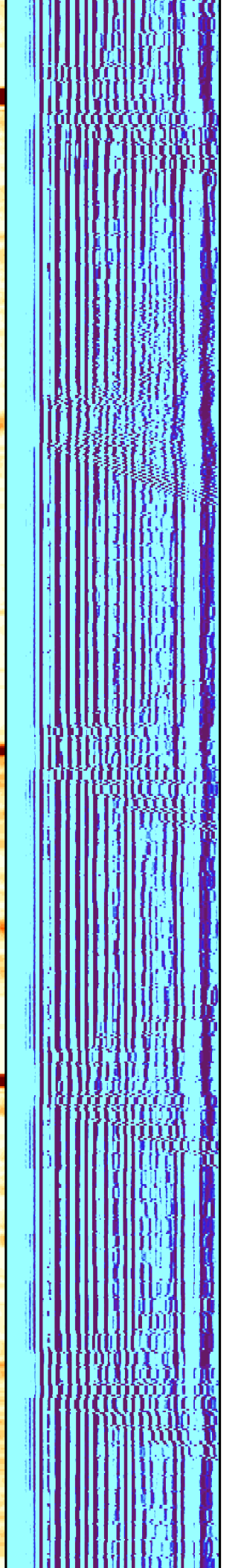
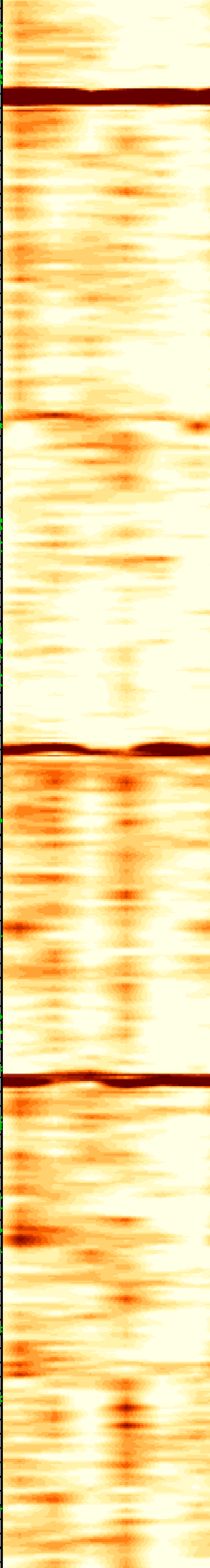
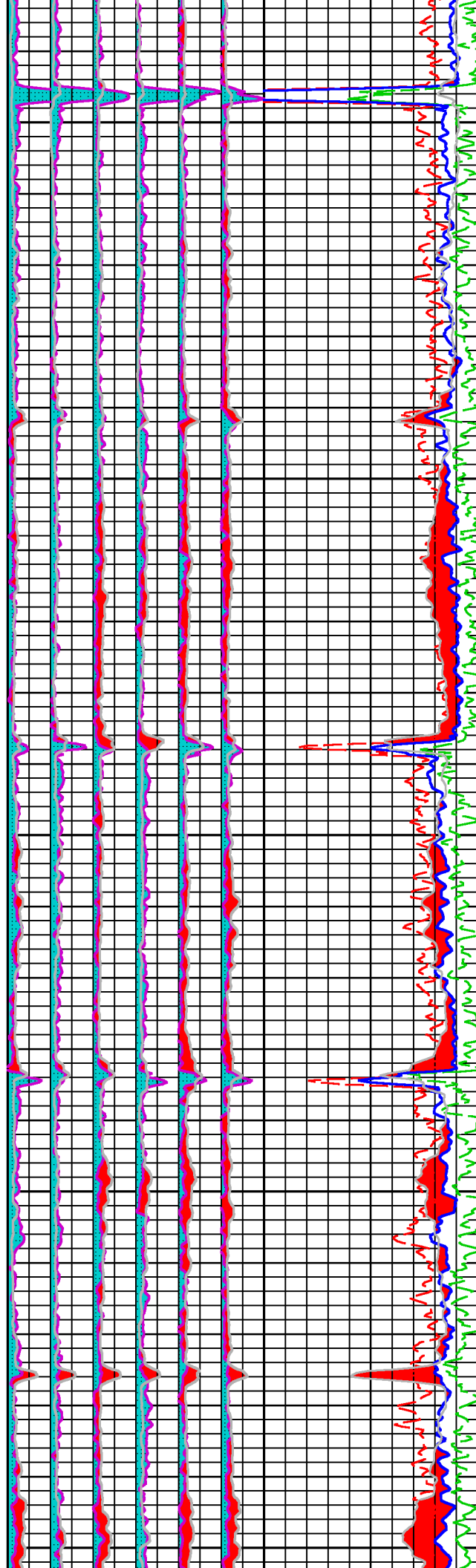


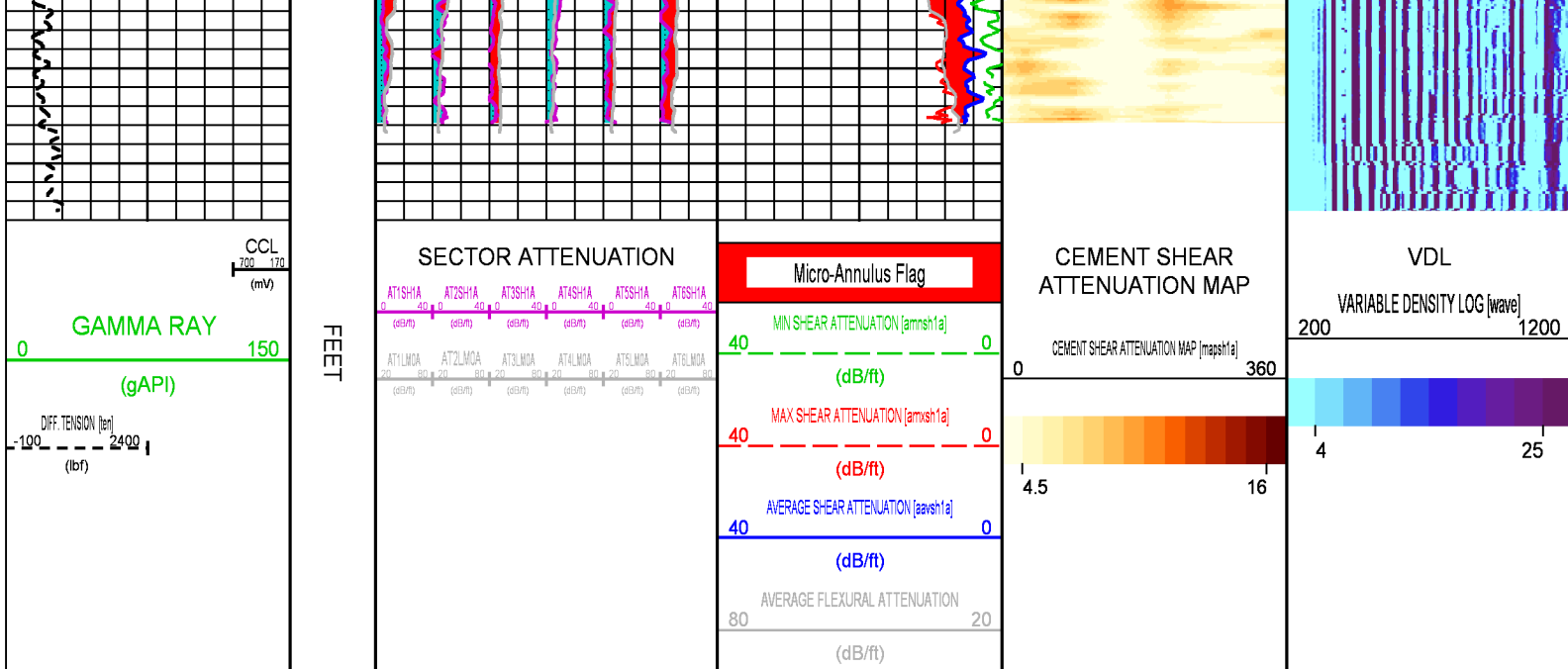




6600

6700





## CALIBRATION / VERIFICATION SUMMARY

Source File: C:\dat1a\CRESTON\_WB\_2A\_TRIP2\333b.tp1

### GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1339XA 12521913

DATE/TIME PERFORMED: Sat Jan 07 21:14:40 2017

UNIT #: 4505 portable

CALB JIG #: 4702NK DA445

	BACKGROUND CALBRTR ON	CR DIFF	MULT	BACKGROUND CALBRTR ON	CALBRTR
	(cts/s)	(cts/s)		(gAPI)	(gAPI)
GR	27.13	189.18	0.926	25.12	175.12
		155.0 195.0			150

### GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1339XA 12521913

DATE/TIME PERFORMED: Sat Jan 07 21:16:57 2017

UNIT #: 4505 portable

VERI JIG #: 4702NK DA445

	BACKGROUND CALBRTR ON	MULT	BACKGROUND CALBRTR ON	DIFF.
	(cts/s)	(cts/s)	(gAPI)	(gAPI)
GR	26.87	188.24	0.926	149.38
				140.00 160.00

## ORIENT PRIMARY CALIBRATION SUMMARY

TOOL #: 1401EA 13896139

DATE/TIME PERFORMED: Sat Jan 07 21:11:53 2017

UNIT #: 4505 portable

	Min raw (mG)	Max raw (mG)	Mult	Add (mG)	Min Corr (mG)	Max Corr (mG)
ACCX	-1018.9151	922.1593	1.0304	49.8466	-999.9998	1000.0000
ACCY	7.1451	1057.7855	0.9518	-6.8006	0.0001	1000.0000
ACCZ	-60.8178	-32.3034	1.0000	14.2572	-46.5606	-18.0462

Offset  
(deg)  
Relative Bearing: 272.88

## PAD\_CHECK PRIMARY CALIBRATION SUMMARY

TOOL #: 1401MA 13837050

DATE/TIME PERFORMED: Tue Jan 17 08:24:53 2017


UNIT #: 4570LB 13912335

	CCW Far (mV)	CCW Near (mV)	CW Near (mV)	CW Far (mV)
Shear Sect 1 Zero	82.90	85.00	81.30	81.20
	40.00 144.00	40.00 144.00	40.00 144.00	40.00 144.00
Shear Sect 2 Zero	77.30	78.00	85.10	83.70
	40.00 144.00	40.00 144.00	40.00 144.00	40.00 144.00
Shear Sect 3 Zero	94.70	69.70	73.10	77.40
	40.00 144.00	40.00 144.00	40.00 144.00	40.00 144.00
Shear Sect 4 Zero	86.70	83.00	77.50	72.40
	40.00 144.00	40.00 144.00	40.00 144.00	40.00 144.00
Shear Sect 5 Zero	80.10	82.40	74.20	71.20
	40.00 144.00	40.00 144.00	40.00 144.00	40.00 144.00
Shear Sect 6 Zero	79.30	74.80	66.20	76.50
	40.00 144.00	40.00 144.00	40.00 144.00	40.00 144.00
Lamb Sect 1 Zero	49.80	51.70	53.30	51.70
	40.00 144.00	40.00 144.00	40.00 144.00	40.00 144.00
Lamb Sect 2 Zero	58.30	56.20	48.20	51.20
	40.00 144.00	40.00 144.00	40.00 144.00	40.00 144.00
Lamb Sect 3 Zero	50.90	51.00	43.50	43.30
	40.00 144.00	40.00 144.00	40.00 144.00	40.00 144.00
Lamb Sect 4 Zero	46.20	52.50	58.20	51.80
	40.00 144.00	40.00 144.00	40.00 144.00	40.00 144.00
Lamb Sect 5 Zero	46.60	54.20	50.40	49.80
	40.00 144.00	40.00 144.00	40.00 144.00	40.00 144.00

Lamb Sect 6 Zero

40.00	144.00	40.00	144.00	40.00	144.00	40.00	144.00
47.30		53.50		54.10		51.00	
40.00	144.00	40.00	144.00	40.00	144.00	40.00	144.00

	CCW Far (mV)	CCW Near (mV)	CW Near (mV)	CW Far (mV)
Shear Sect 1 Shuck	2540.60	1740.10	1967.70	2119.60
Shear Sect 2 Shuck	1932.20	2074.30	1729.00	3529.80
Shear Sect 3 Shuck	1980.10	1496.60	2934.60	2290.20
Shear Sect 4 Shuck	3333.20	3258.60	3469.00	2952.30
Shear Sect 5 Shuck	2545.90	3485.90	1940.10	2604.00
Shear Sect 6 Shuck	2968.50	1932.40	1786.40	1868.20
Lamb Sect 1 Shuck	1536.70	1173.20	1129.40	1233.20
Lamb Sect 2 Shuck	1109.30	1146.40	1216.50	1685.00
Lamb Sect 3 Shuck	1224.00	1209.00	1577.10	1516.60
Lamb Sect 4 Shuck	1779.80	1695.10	2176.50	1989.80
Lamb Sect 5 Shuck	1588.00	2121.30	1426.40	1559.20
Lamb Sect 6 Shuck	1940.00	1431.60	1199.20	1089.30

	<b>COMPANY</b> <u>CRESTONE PEAK RESOURCES OPERATING</u> <b>WELL</b> <u>WOOLLEY BECKY 2A-7H-E168</u> <b>FIELD</b> <u>WATTENBURG</u> <b>COUNTY</b> <u>WELD</u> <b>STATE</b> <u>COLORADO</u>	<b>FILE NO:</b> <u>US111066</u> <b>API NO:</b> <u>0512338111</u>
	<b>LOCATION:</b>  <b>LAT</b> <u>40.06748000</u> <b>LONG</b> <u>-105.05236000</u>	<b>ELEVATIONS:</b> <b>KB</b> 5021 FT <b>DF</b> 5021 FT <b>GL</b> 4998 FT <b>DATE</b> <u>17-Jan-2017</u>

