



FILE NO:	COMPANY	MGM ENERGY CORP	
API NO:	WELL	MGM SHELL EAST MACKAY 1-78	
	FIELD	EAST MACKAY	
	PROVINCE	NORTHWEST TERRITORIES	
Ver. 3.87	LOCATION:	OTHER SERVICES	
UID:		JCGR	
3001786450125 30		PERF	
LICENSE:			
1202	LAT 64.795 N	LONG 125.722 W	
PERMANENT DATUM	G.L.	ELEVATION	ELEVATIONS:
LOG MEASURED FROM	K.B.	6.20 M	KB 161.20 M
DRILL. MEAS. FROM	KELLY BUSHING	ABOVE P.D.	DF
			GL 155.00 M
DATE	22-FEB-2013		
RUN	3	TRIP	2
SERVICE ORDER	CA215447		
DEPTH DRILLER	1978.5 M		
DEPTH LOGGER	1973.5 M		
BOTTOM LOGGED INTERVAL	1973.0 M		
TOP LOGGED INTERVAL	390.0 M		
TIME STARTED	22-FEB-2013 12:45		
TIME FINISHED	22-FEB-2013 22:45		
OPERATOR RIG TIME	10.0 HOURS		
TYPE OF FLUID IN HOLE	BRINE OR SALT WATER		
FLUID DENSITY	1125.0 G/L		
FLUID SALINITY	N/A		
FLUID LEVEL	10.0 M		
LOGGED CEMENT TOP	390.0 M		
WELLHEAD PRESSURE	0.0 KPA		
MAXIMUM HOLE DEVIATION	3.1 DEG		
NOMINAL LOGGING SPEED	9.0 M/MN		
MAX. RECORDED TEMP.	NOT RECORDED		
REFERENCE LOG	BAKER HUGHES WIRELINE		
REFERENCE LOG DATE	17-FEB-2012		
EQUIP. NO.	Z008672	CANADA	PERF
RECORDED BY	J. COLLIER/I. ZALESKI		
WITNESSED BY	B. MURPHY		

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCE 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.

BOREHOLE RECORD		
BIT SIZE	222.0 MM	222.0 MM
FROM	0.0 M	401.8 M
TO	401.8 M	1978.5 M

CASING RECORD			
SIZE	244.5 MM	177.8 MM	
WEIGHT	59.5 KG/M	38.7 KG/M	
GRADE	NA	L-80	
FROM	0.0 M	0.0 M	1978.5 M
TO	401.8 M		

REMARKS

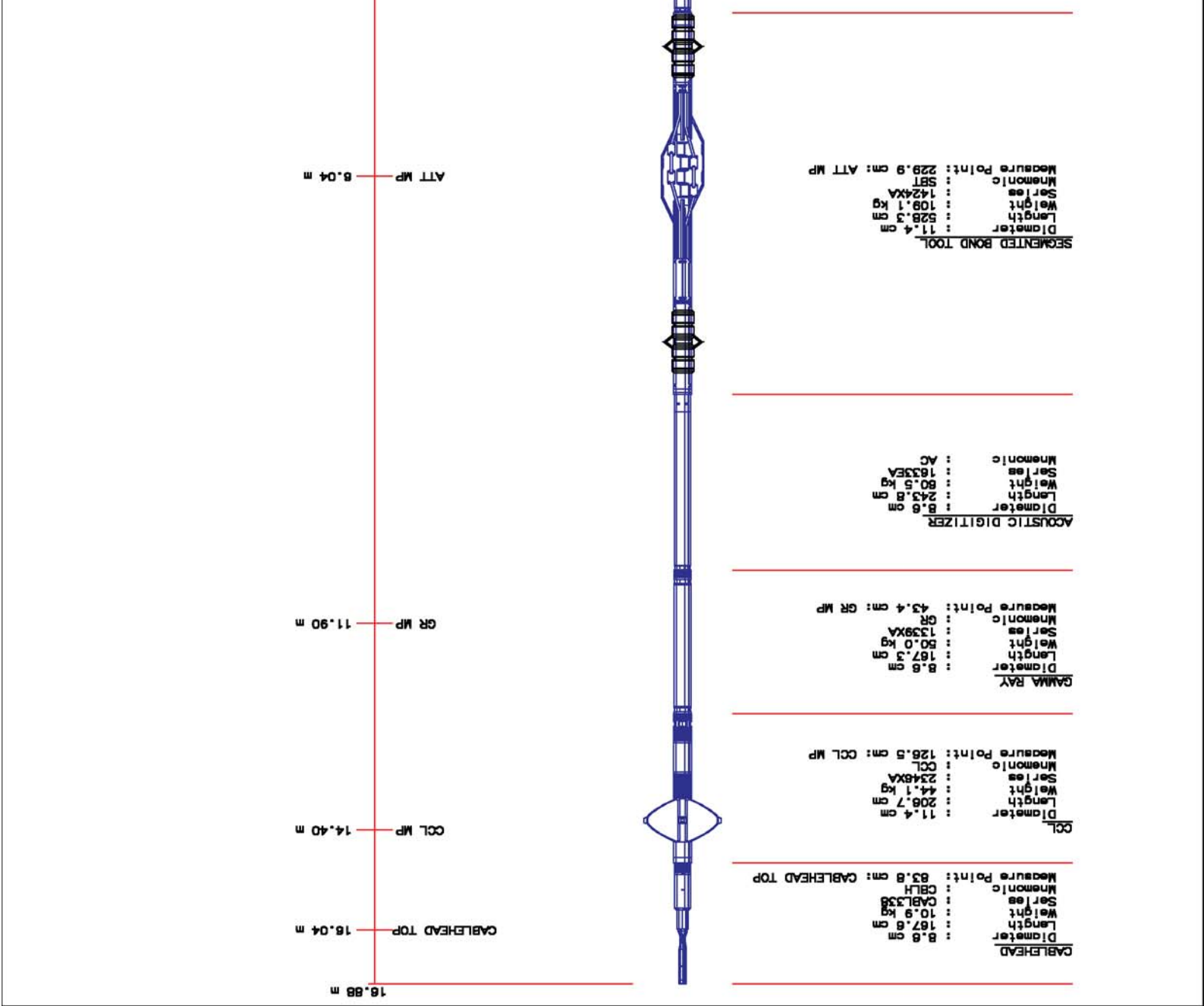
RUN 3 TRIP 2 :

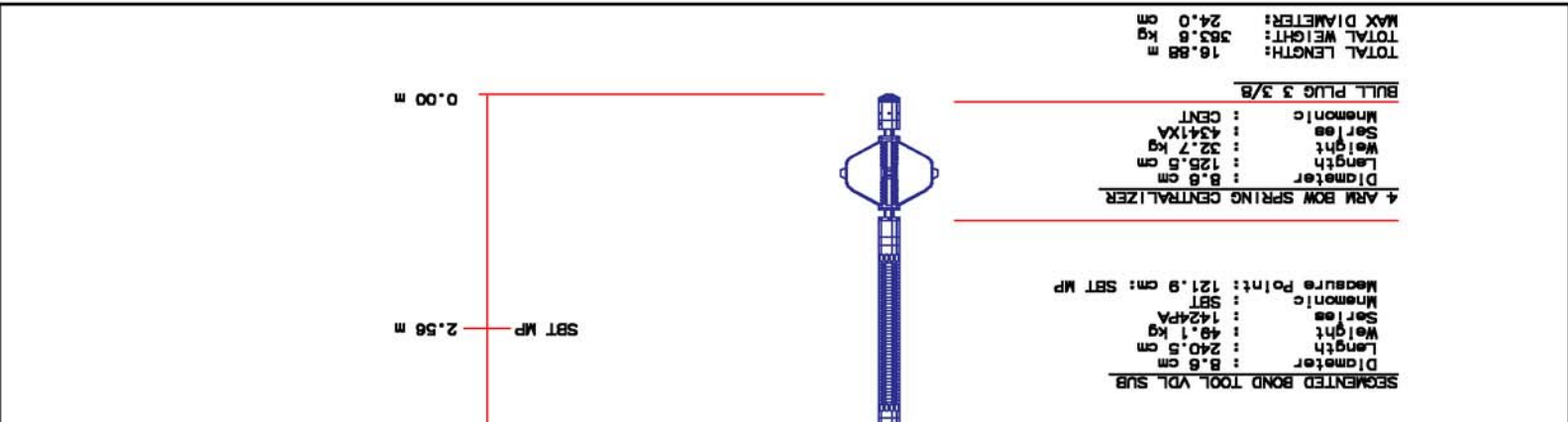
CEMENT PLUG ON BOTTOM 20:00 21-FEB-2013
FLOW COLLAR @ 1978.5M
SBT LOG WAS RECORDED TO 390 M (SURFACE CSG) AS PER CLIENT REQUEST
LOG WAS PERFORMED ON 22 HOUR AFTER CEMENT JOB
DEPTH REFERENCED TO RIG FLOOR
CEMENT JOB WAS DONE WITH 2 TYPES OF CEMENT:
1 - TAIL - TD-1480 M, WITH 1900 KG/M³,
CEMENT COMPRESSIVE STRENGTH USED FOR CEMENT MAP: 17113 KPA
2 - LEAD - 1480 M - SURFACE, WITH 1400 KG/M³
CEMENT COMPRESSIVE STRENGTH USED FOR CEMENT MAP: 5419 KPA
CEMENT JOB WAS DONE WITH GOOD RETURNS ON SURFACE.

EQUIPMENT DATA				
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.
3	2	CCL/CNTR/DC	2346XA	12633837
3	2	TITAN GR	1339XA	12616995
3	2	ACOUSC COMM	1633EA	Z119708
3	2	SEGMENTD BON	1424XA	Z120950
3	2	VOL SUB SBT	1424PA	12619213
				FREE
				FREE
				FREE
				FREE
				FREE
				FREE

INSTRUMENT CONFIGURATION

Source File: /data/MGM/run3_ch/m331d_sbt-tdg





MAIN LOG 1:240 SCALE - CS 5419 KPa

ECLIPS 6.1! Aug 06, 2010
Updates: 1,2 Patches: 3

Perfit / main/62 Cplot Pdf_Cpp / main/16 Fileview 5.61

PARAMETER AND FILTER SUMMARY REPORT

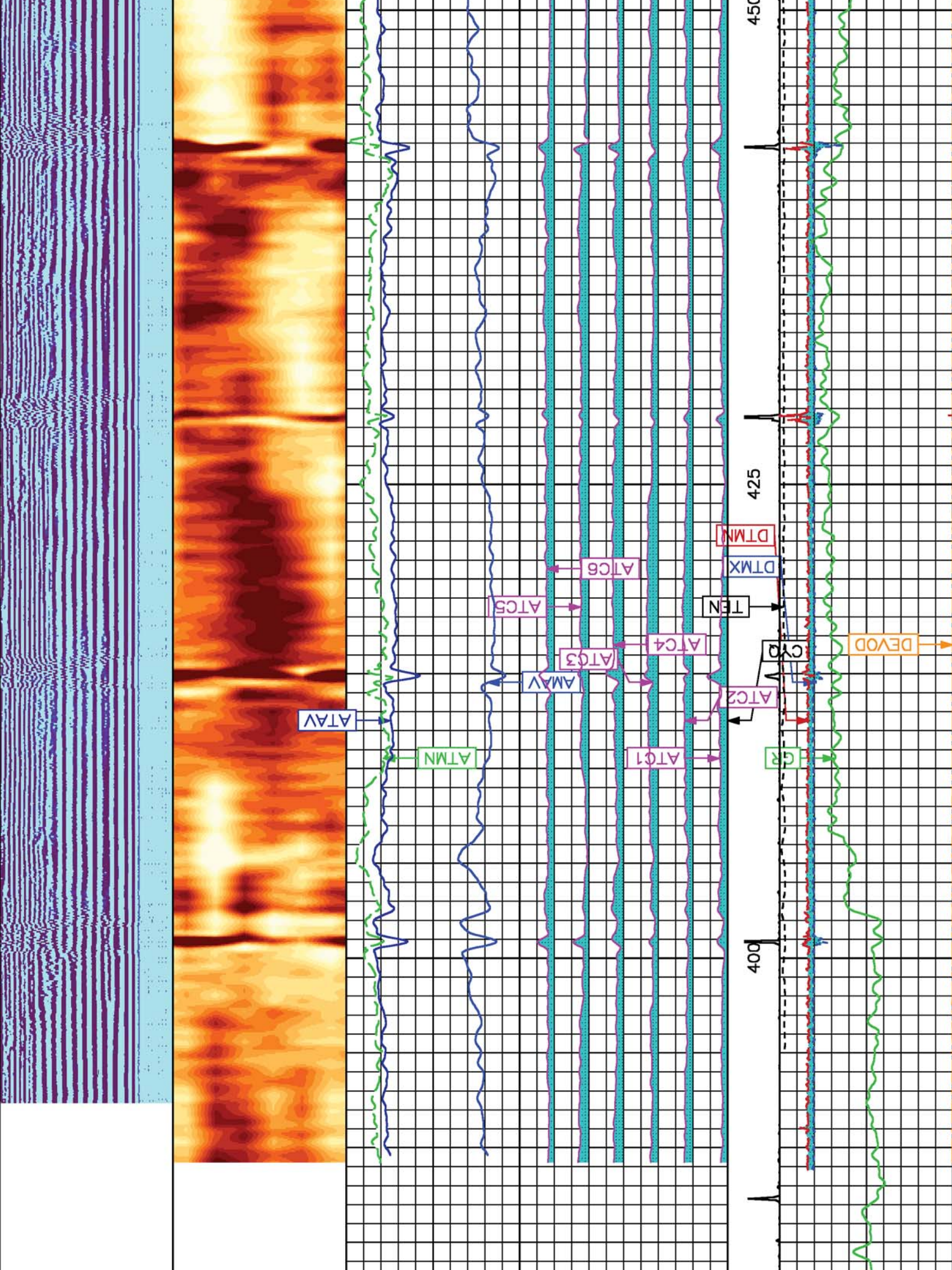
FILE: /data/MGM/run3-ch/mgln_lead.prm
LOGGING MODE: DEPTH UP
TOP DEPTH: 395.630 m
BOTTOM DEPTH: 1499.997 m

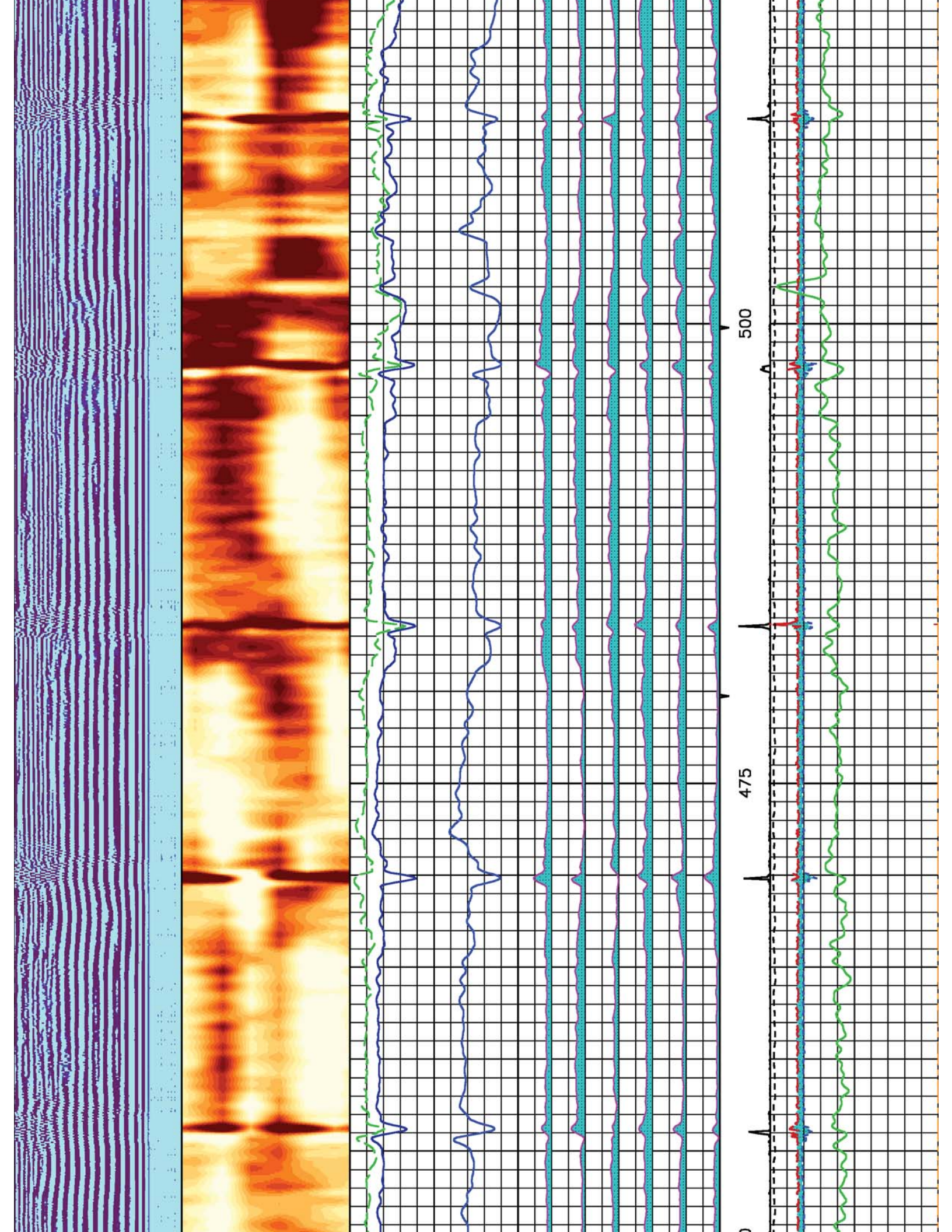
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
SYMMETRIC FILTER				
GR	FILTER ()	medium (1)		TOP
SBT	FILTER, 2pt	medium (1)		TOP
TENSION	FILTER, 4pt	medium (1)		TOP
	FILTER ()	medium (1)		BOTTOM

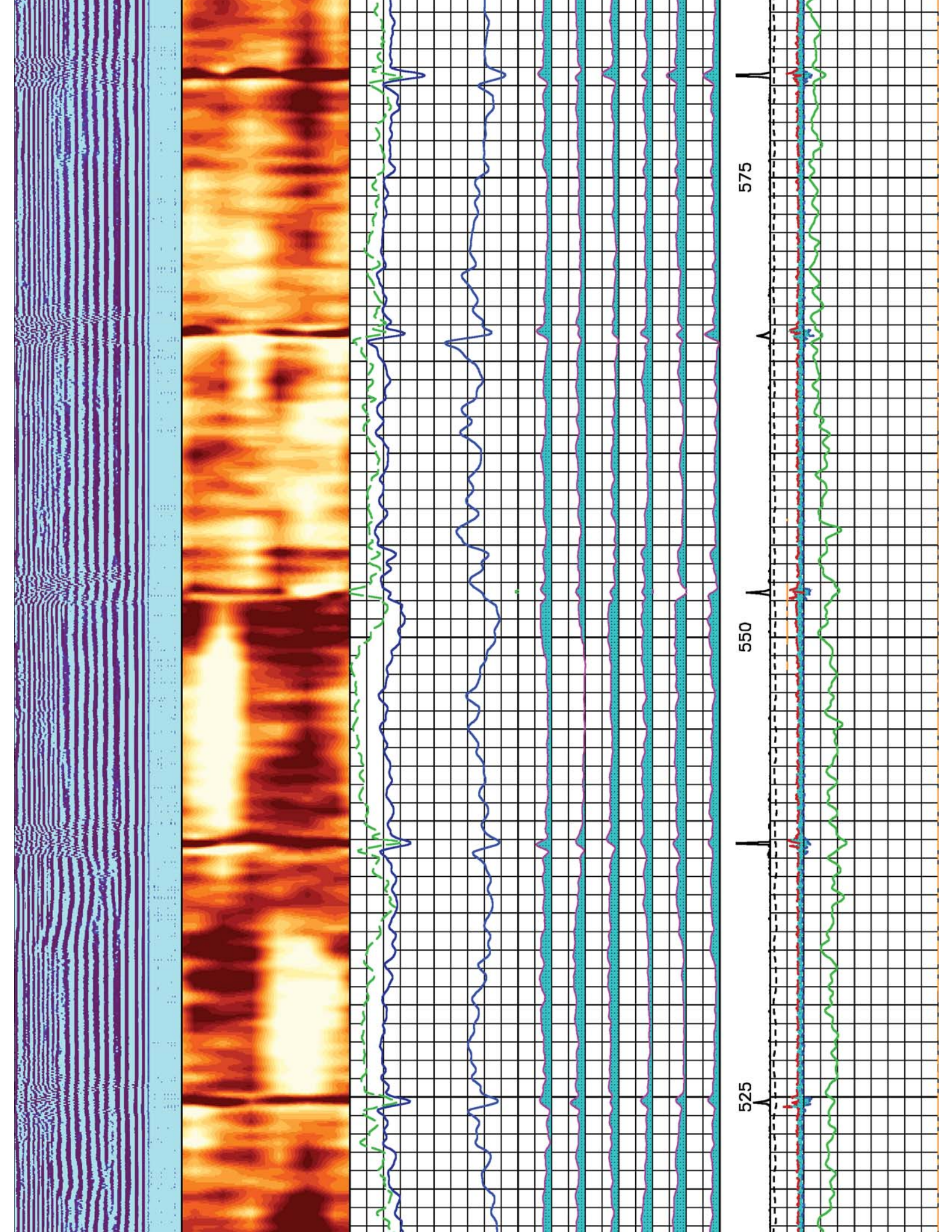
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
SBT PROCESSING				
CASING OD	CASING WT	177.800	mm	TOP
		38.700	kg/m	TOP
	FREE PIPE AMP.	69.513	mV	TOP
	FREE PIPE ATTN.	1.193	dB/ft	TOP
	CORR. FACTOR 1 (1424XA 1)	1.729	dB/ft	TOP
	CORR. FACTOR 2 (1424XA 1)	-0.041	dB/ft	TOP
	CORR. FACTOR 3 (1424XA 1)	-0.007	dB/ft	TOP
	CORR. FACTOR 4 (1424XA 1)	-2.031	dB/ft	TOP
	CORR. FACTOR 5 (1424XA 1)	-0.266	dB/ft	TOP
	CORR. FACTOR 6 (1424XA 1)	0.616	dB/ft	TOP
	SPACING	0.199	m	TOP
	SPREADING FACTOR	4.589	dB/ft	TOP
	CEMENT STRENGTH	5419	kPa	TOP
	HI CUTOFF (1424XA 1)	6.477	dB/ft	TOP
	LOW CUTOFF (1424XA 1)	2.514	dB/ft	TOP

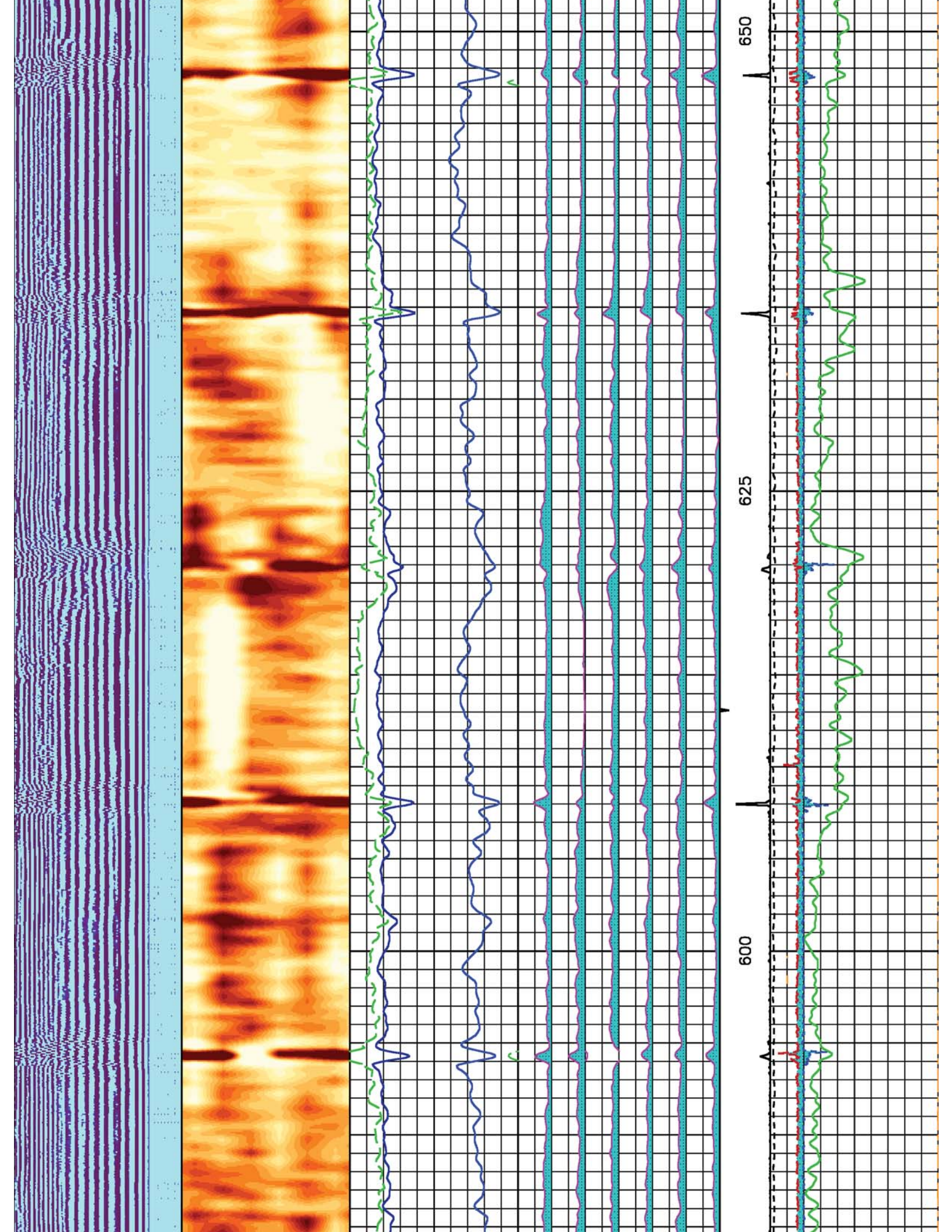
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS
SBT NORMALIZATION RESULTS			
SBT	CORR. FACTOR1	1.926	dB/ft
	CORR. FACTOR2	-0.156	dB/ft
	CORR. FACTOR3	-0.063	dB/ft
	CORR. FACTOR4	-2.155	dB/ft

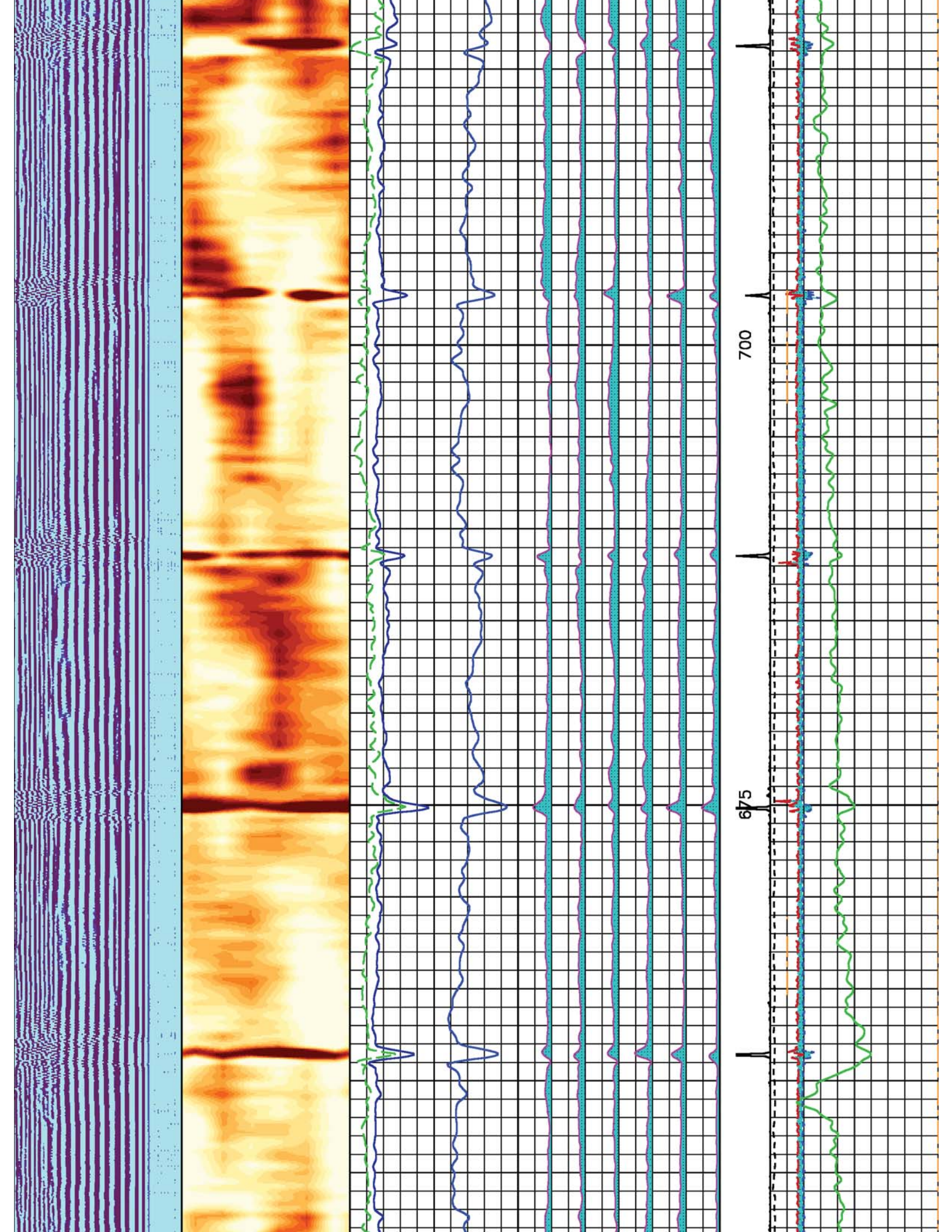
SBT WAVE [wave] 200 1200	CEMENT MAP [cenc] 0 360	NOT ORIENTED	MIN ATTN [atmn] (dB/ft) 0 20 AVG ATTN [atav] (dB/ft) 0 20 AVG AMP [amay] (mV) 0 100	S1 S2 S3 S4 S5 S6 (dB/ft) (dB/ft) (dB/ft) (dB/ft) (dB/ft) (dB/ft)	METERS CCL (m) 0 12	GAMMA RAY [gr] (GAPI) 0 120 MIN DELTA-T [dtmn] (us/m) 135 435 MAX DELTA-T [dtmx] (us/m) 135 435 DEVIATION [devd] (deg) 90 1 DIFF. TENSION [ten] (kgf) 1900-100
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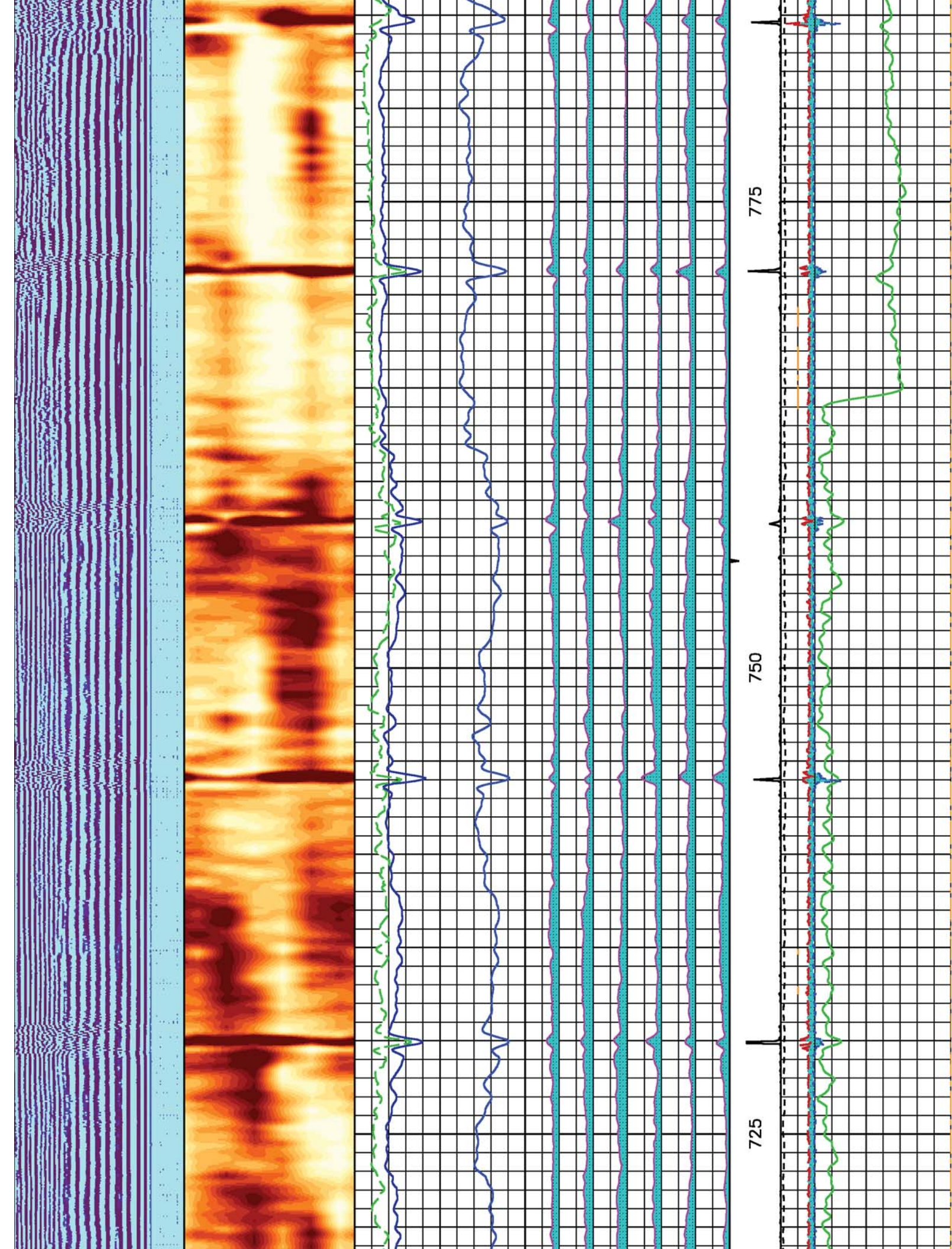


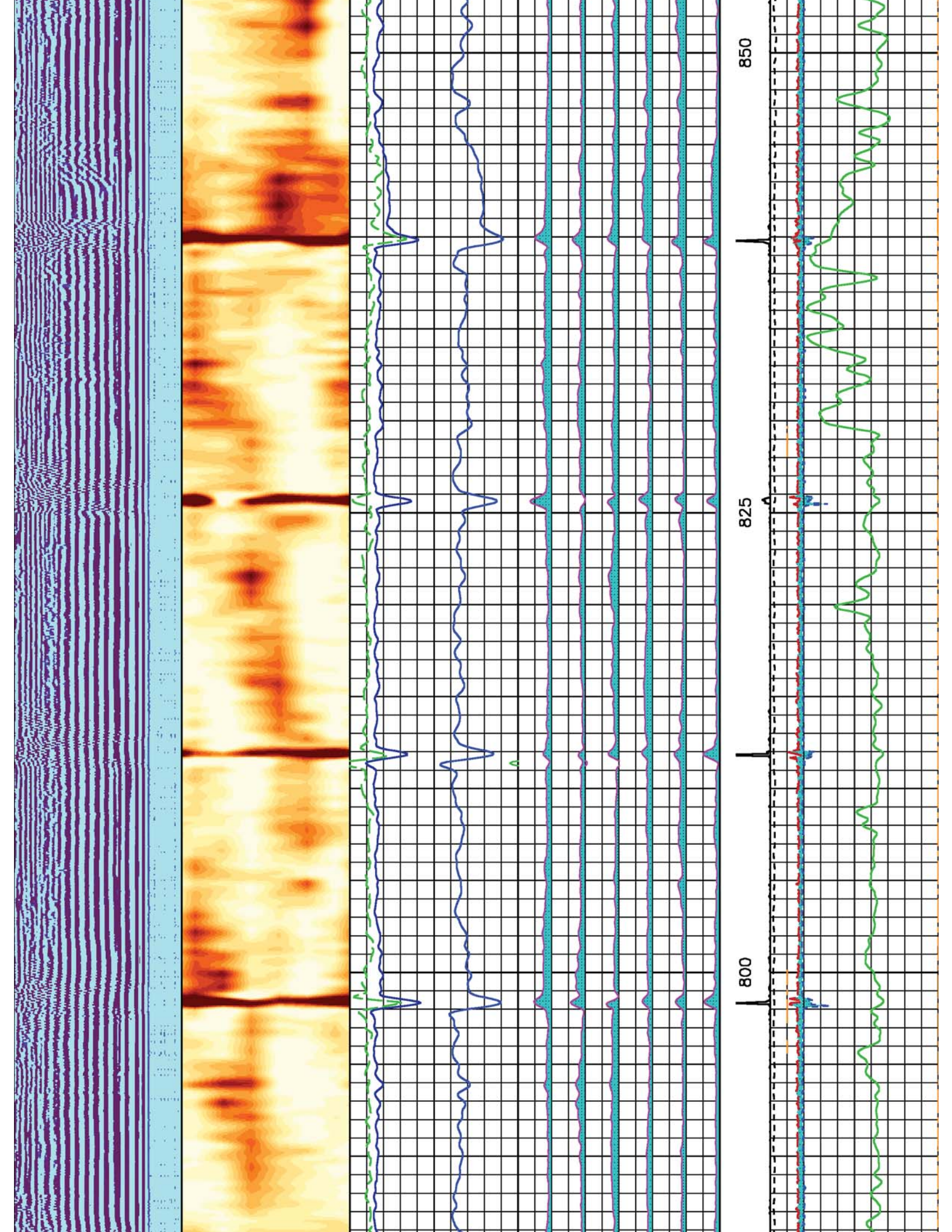


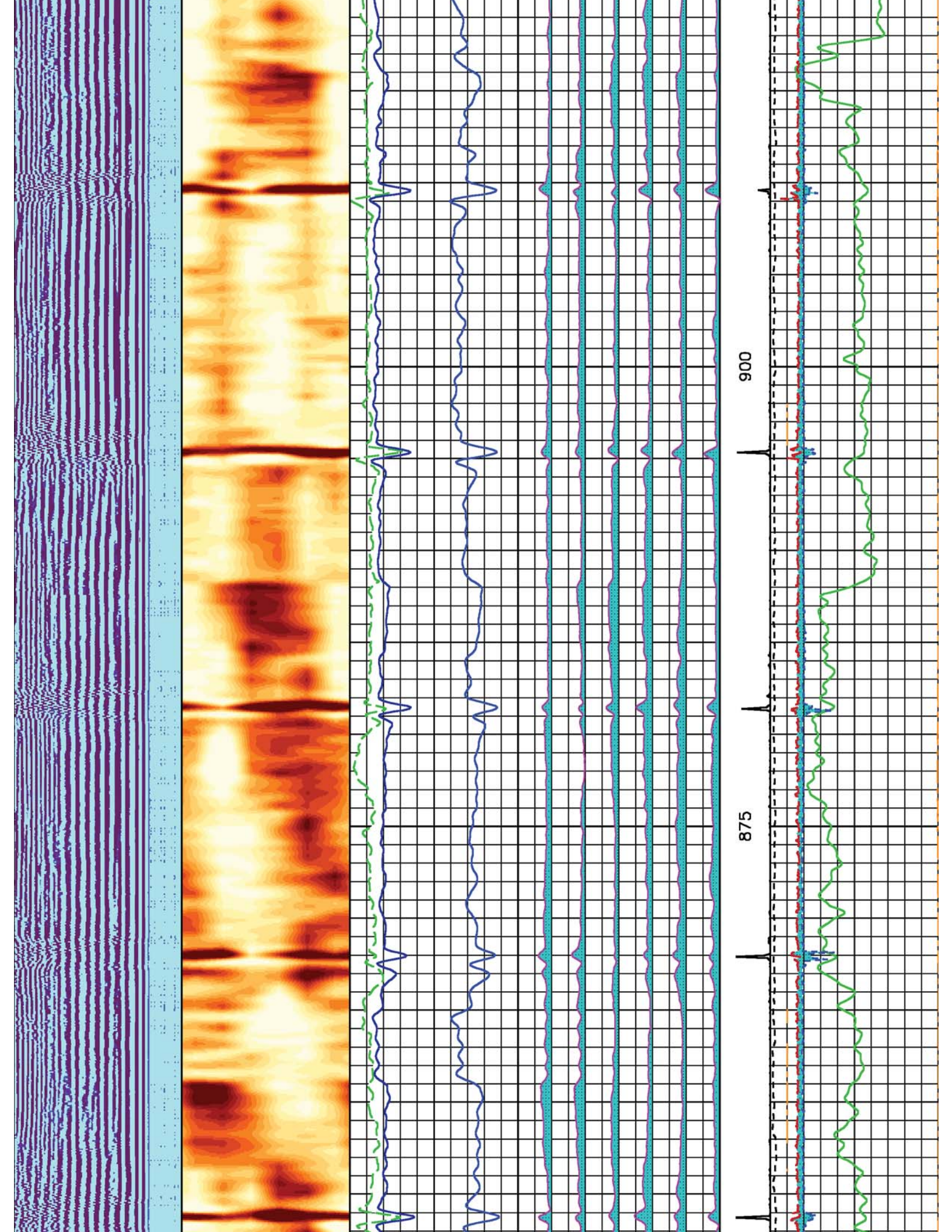


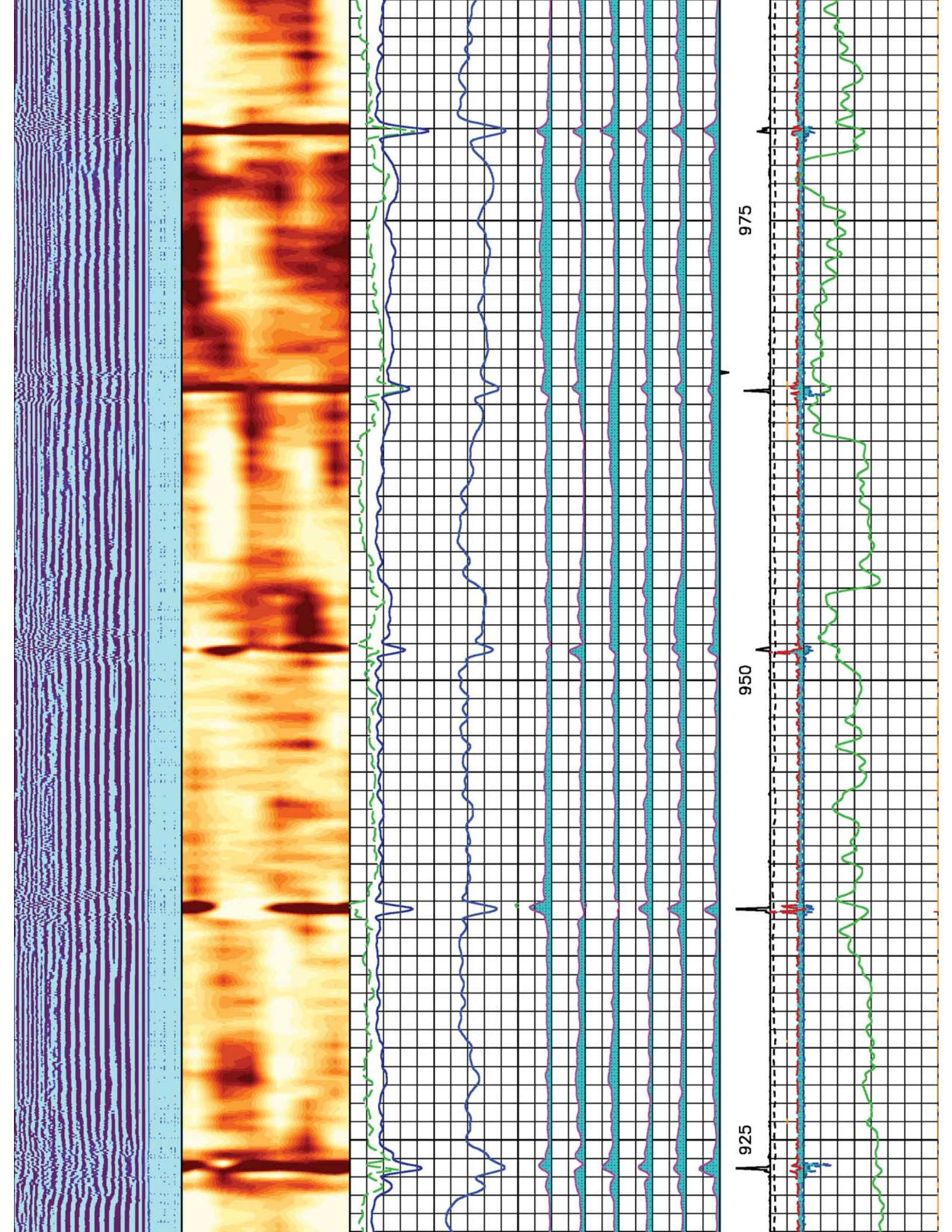


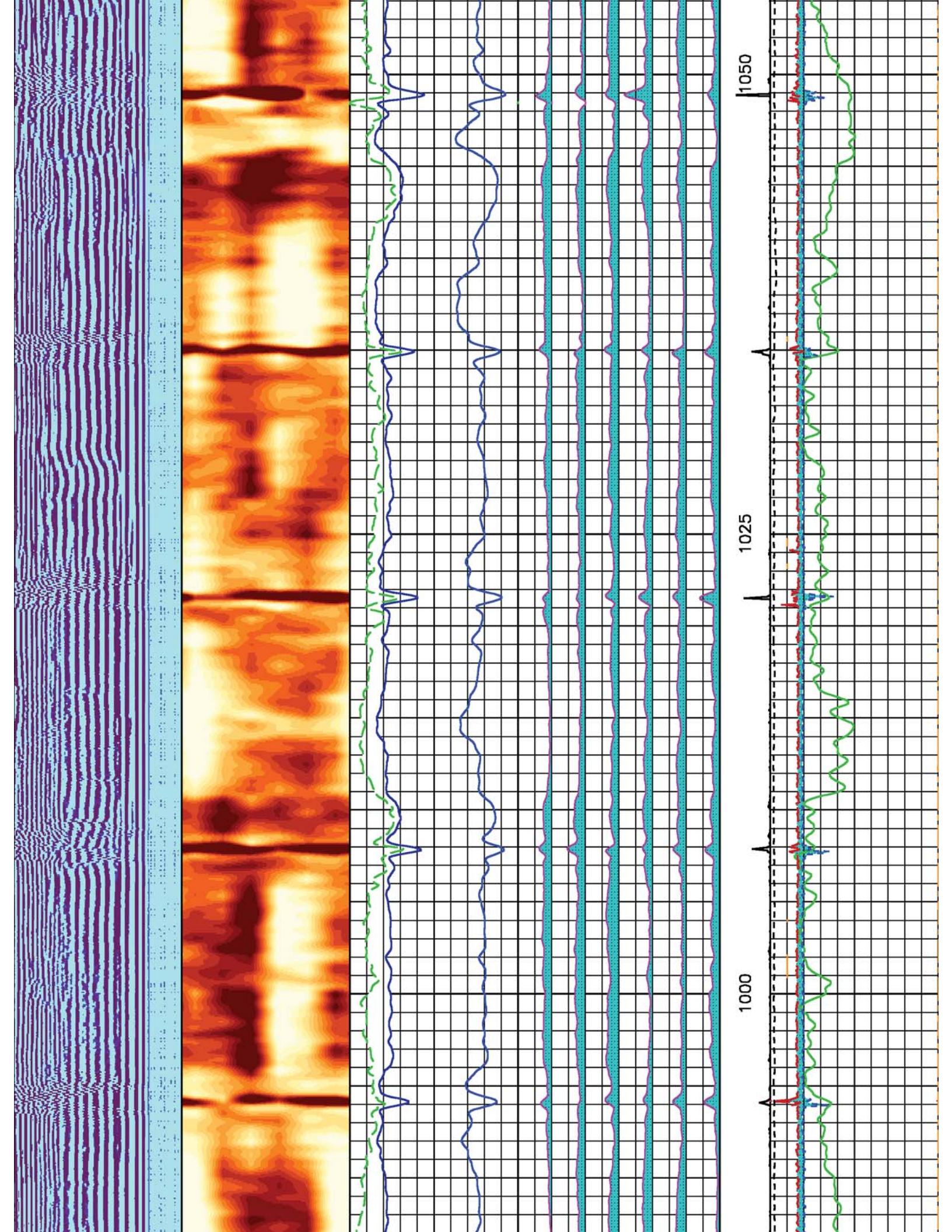


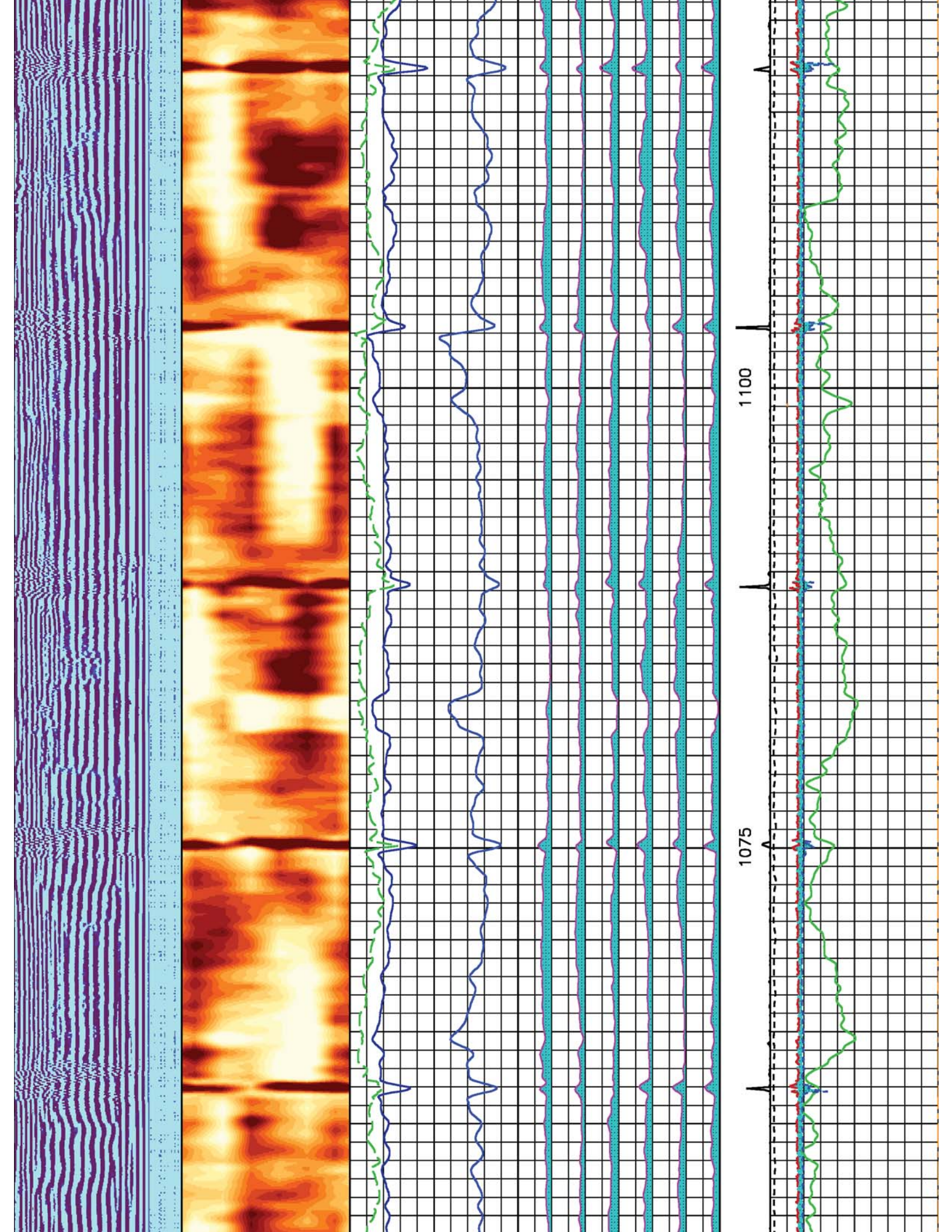


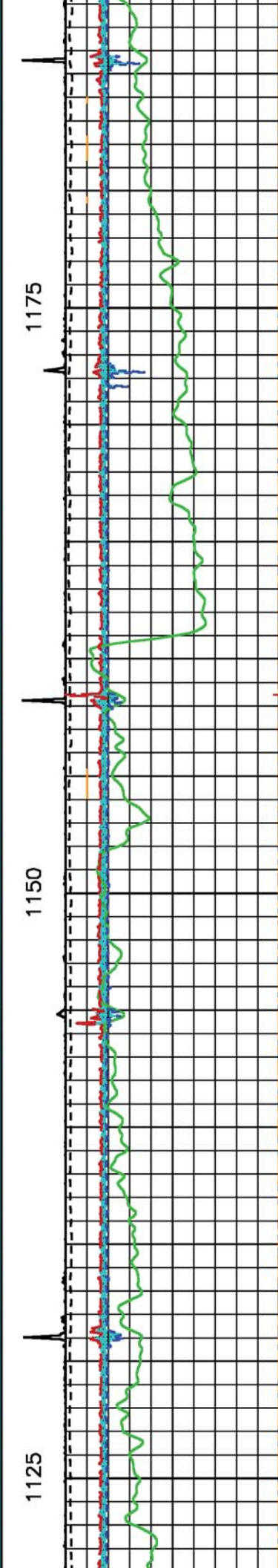
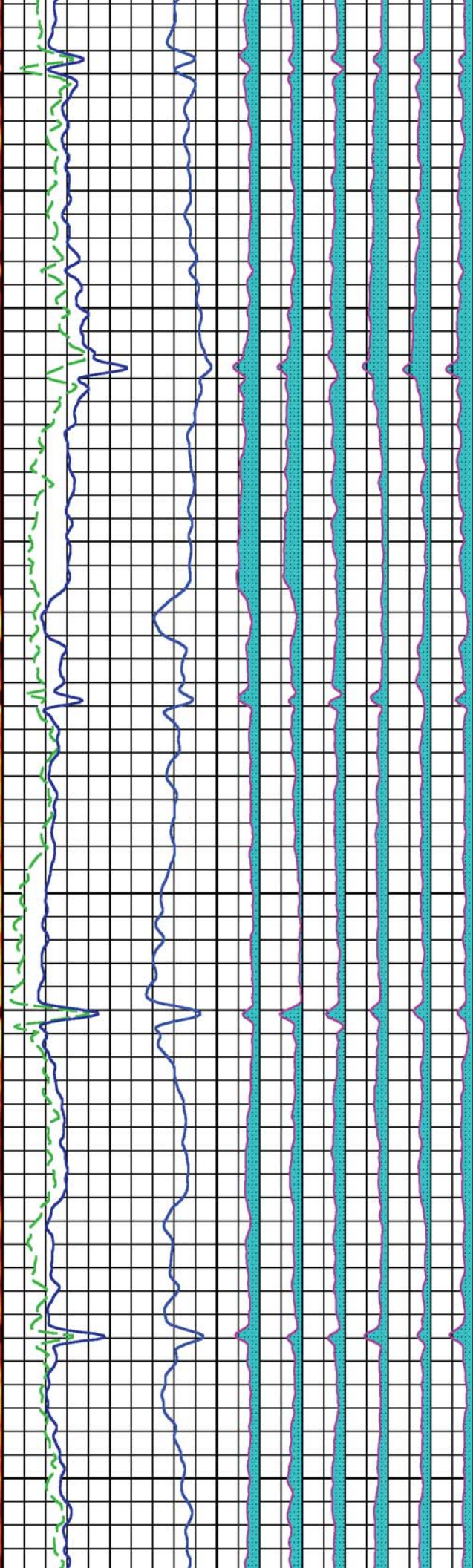
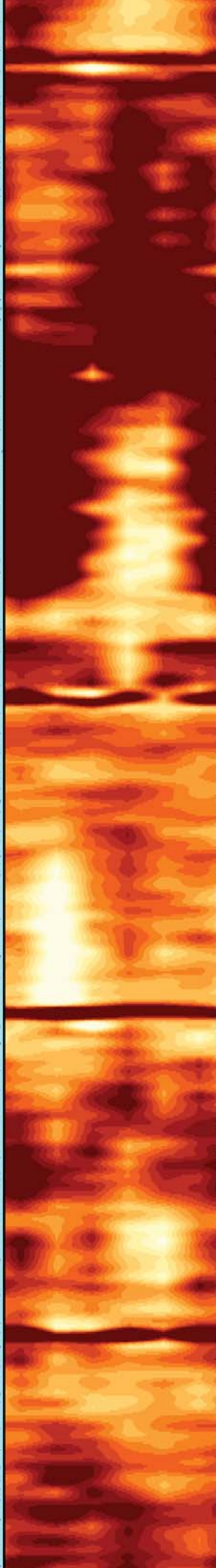
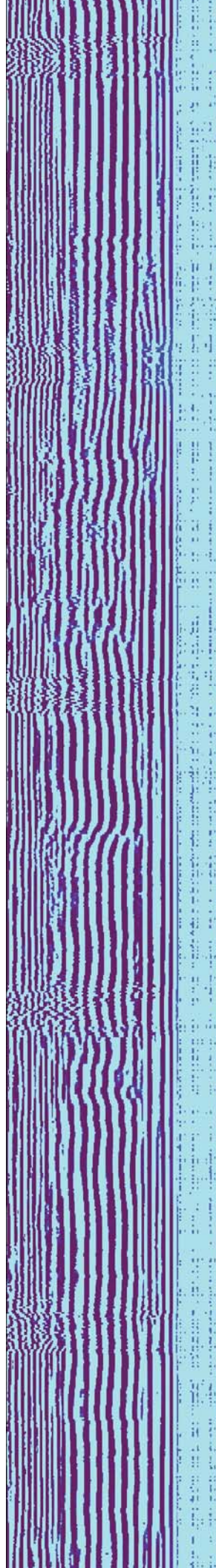


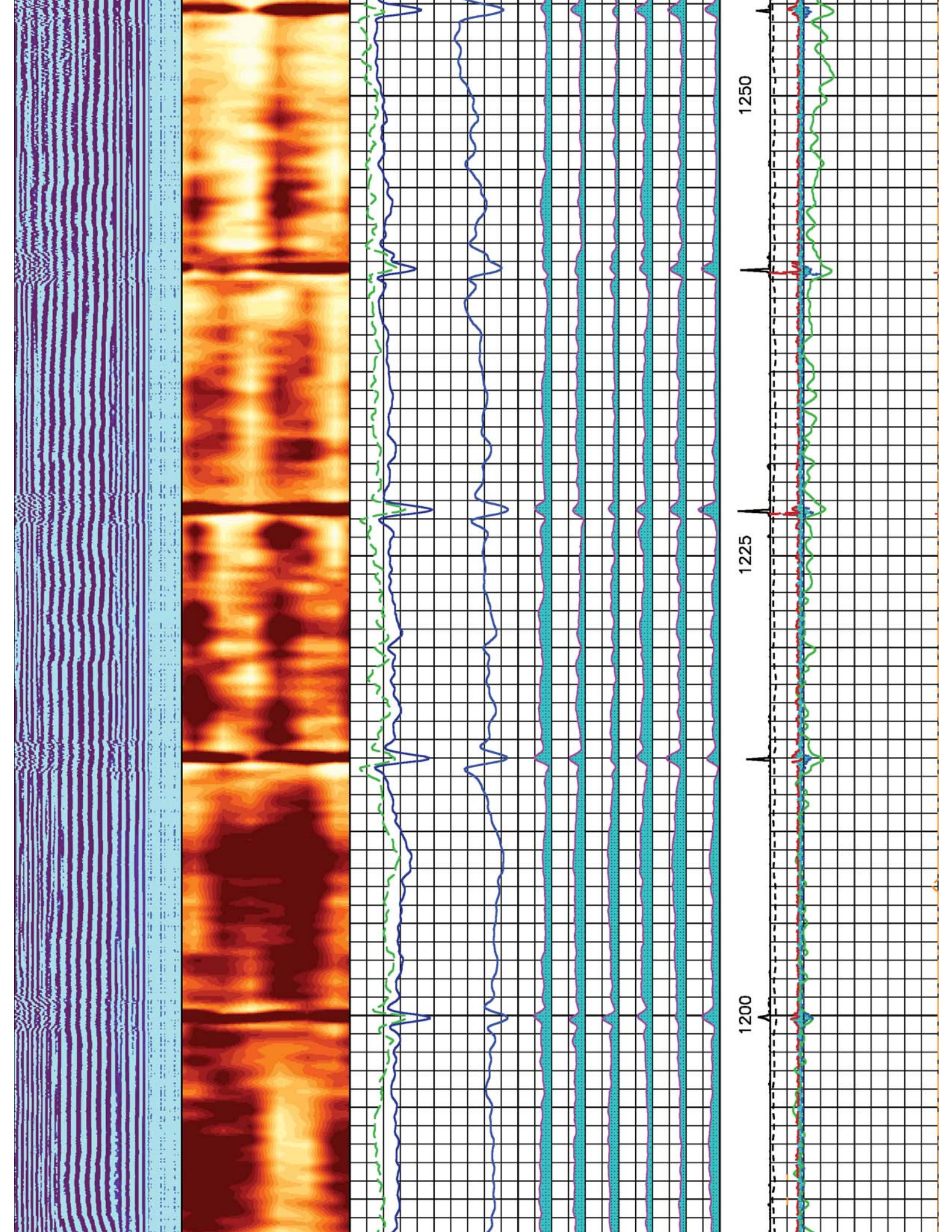


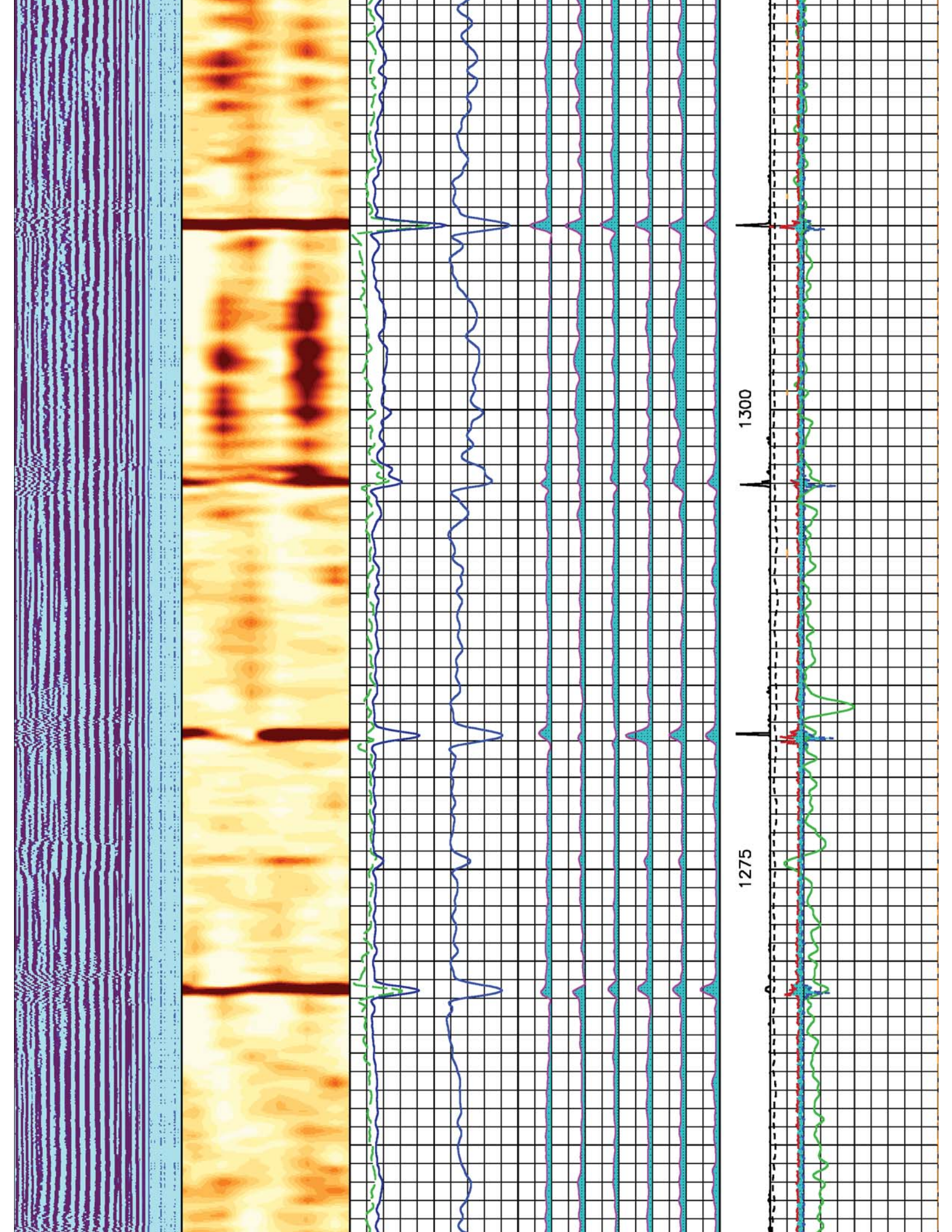


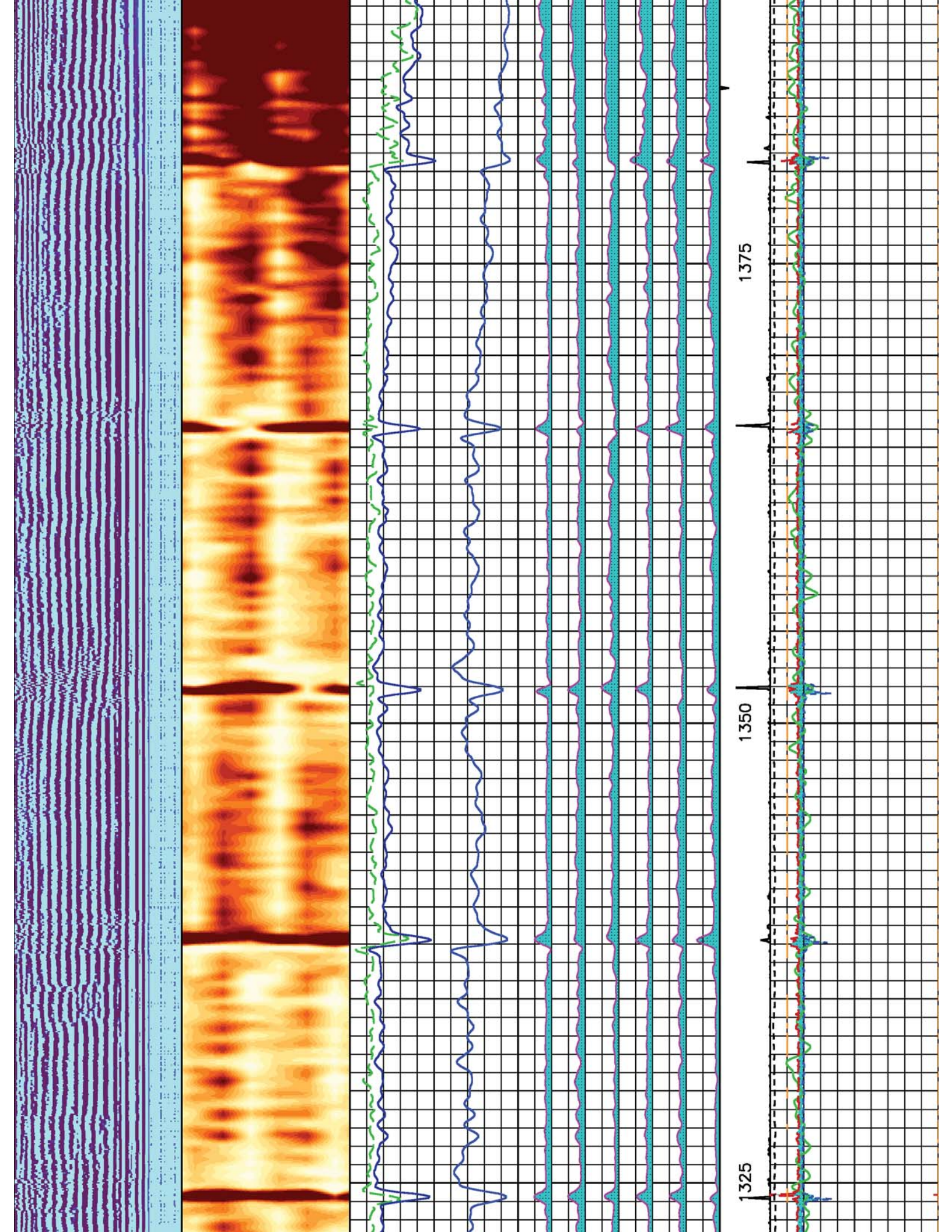


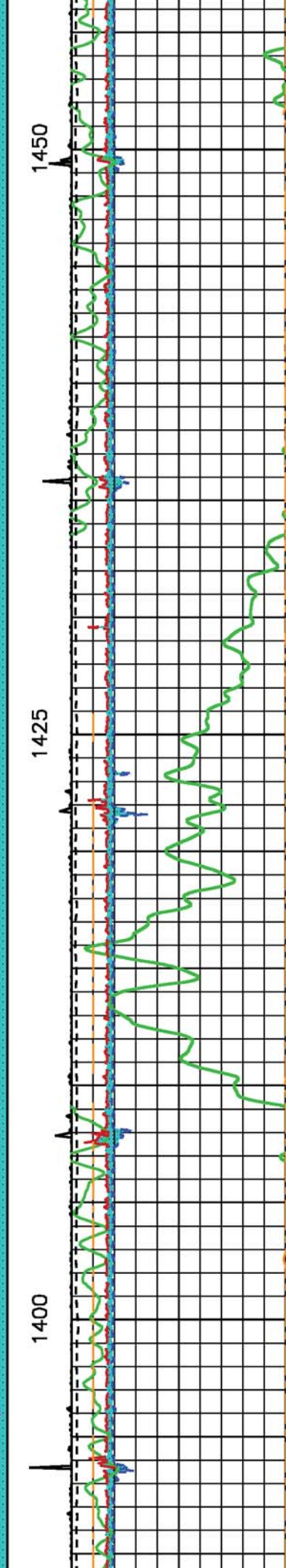
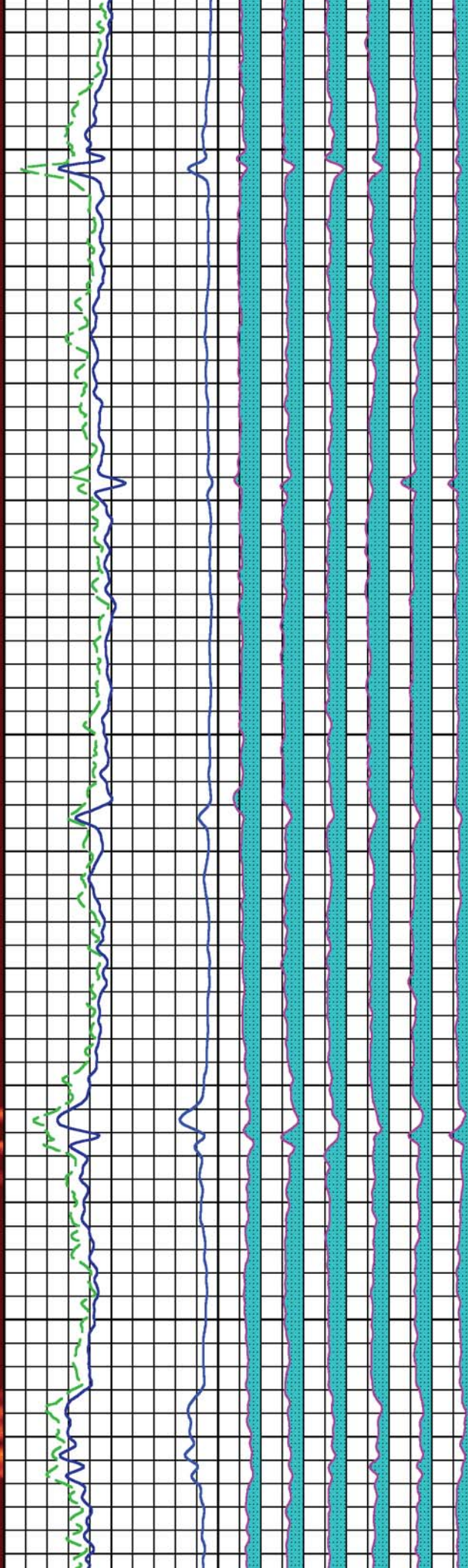
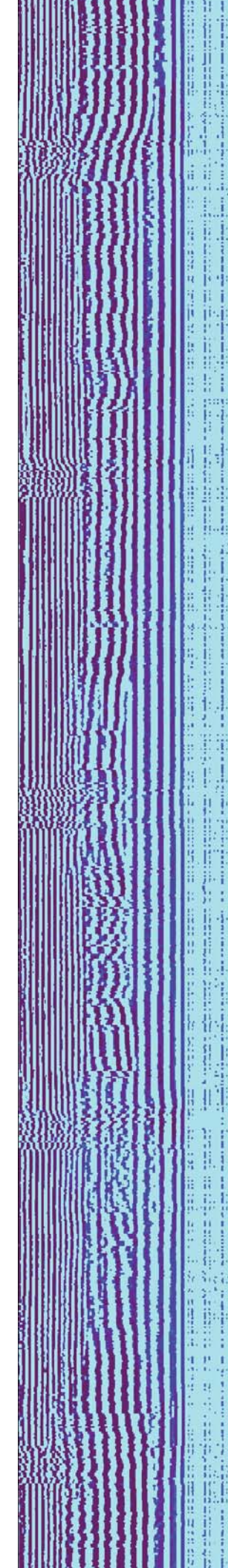


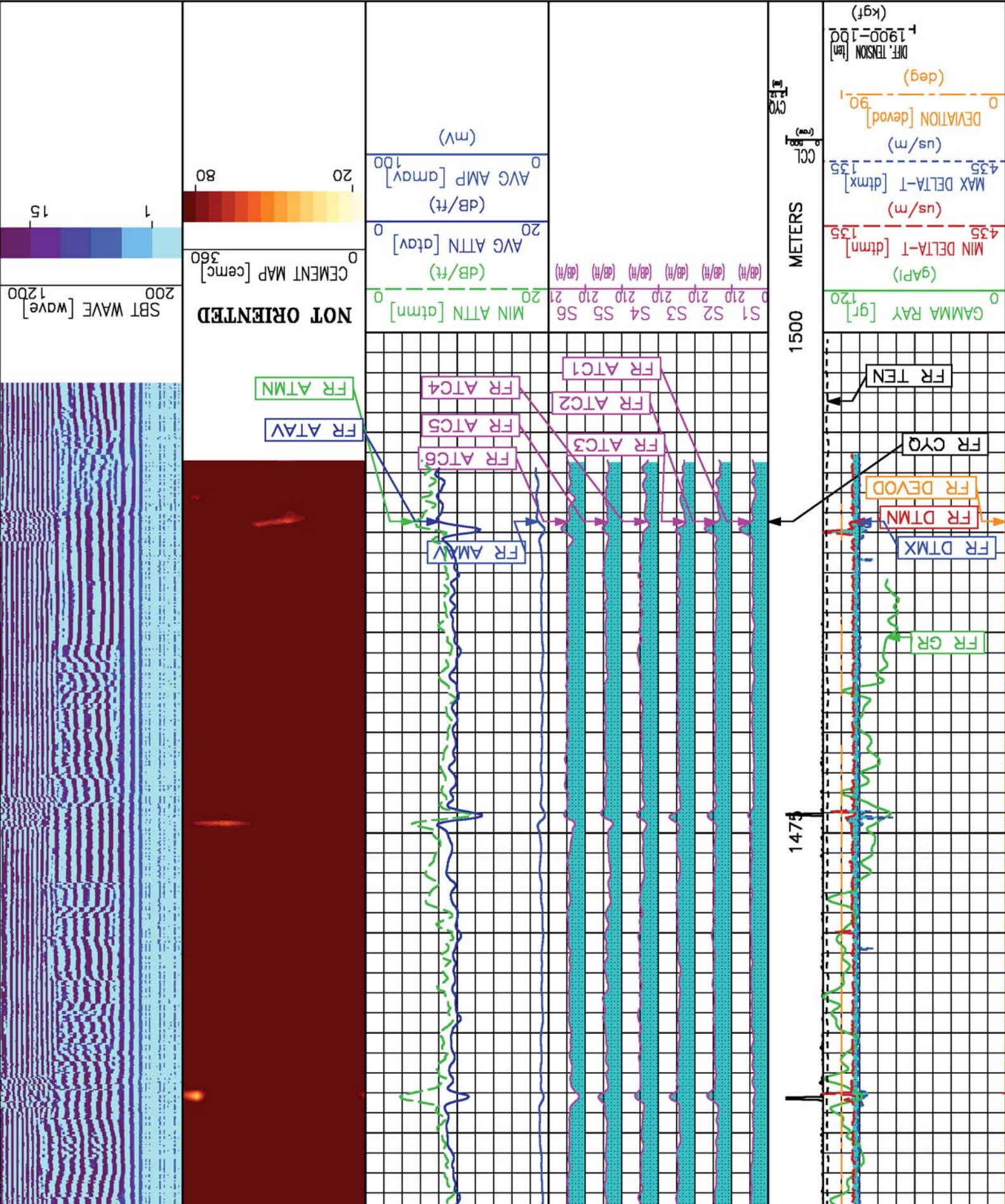












PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/MGM/run3_ch/m331d05.prm
LOGGING MODE: DEPTH
TOP DEPTH: 394.868 m
DIRECTION: UP
BOTTOM DEPTH: 1977.009 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
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GR	FILTER ()	medium (1)		TOP
SBT	FILTER, 2pt	medium (1)		TOP
	FILTER, 4pt	medium (1)		TOP
TENSION	FILTER ()	medium (1)		TOP

SBT PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
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SBT	CASING OD	177.800	mm	TOP
	CASING WT	38.700	kg/m	TOP
	FREE PIPE AMP.	69.513	mV	TOP
	FREE PIPE ATTN.	1.193	dB/ft	TOP
	CORR. FACTOR 1 (1424XA 1)	2.342	dB/ft	TOP
	CORR. FACTOR 2 (1424XA 1)	-0.347	dB/ft	TOP
	CORR. FACTOR 3 (1424XA 1)	-0.209	dB/ft	TOP
	CORR. FACTOR 4 (1424XA 1)	-1.998	dB/ft	TOP
	CORR. FACTOR 5 (1424XA 1)	-0.019	dB/ft	TOP
	CORR. FACTOR 6 (1424XA 1)	0.232	dB/ft	TOP
	SPACING	0.199	m	TOP
	SPREADING FACTOR	4.589	dB/ft	TOP
	CEMENT STRENGTH	17113	kPa	TOP
	HI CUTOFF (1424XA 1)	9.563	dB/ft	TOP
	LOW CUTOFF (1424XA 1)	3.286	dB/ft	TOP

SBT NORMALIZATION RESULTS

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS
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SBT	CORR. FACTOR1	1.930	dB/ft
	CORR. FACTOR2	-0.161	dB/ft
	CORR. FACTOR3	-0.122	dB/ft
	CORR. FACTOR4	-2.135	dB/ft
	CORR. FACTOR5	-0.171	dB/ft
	CORR. FACTOR6	0.659	dB/ft

FILE: /data/MGM/run3_ch/m331d05.sbt.qc.meta

CURVE DESCRIPTION REPORT

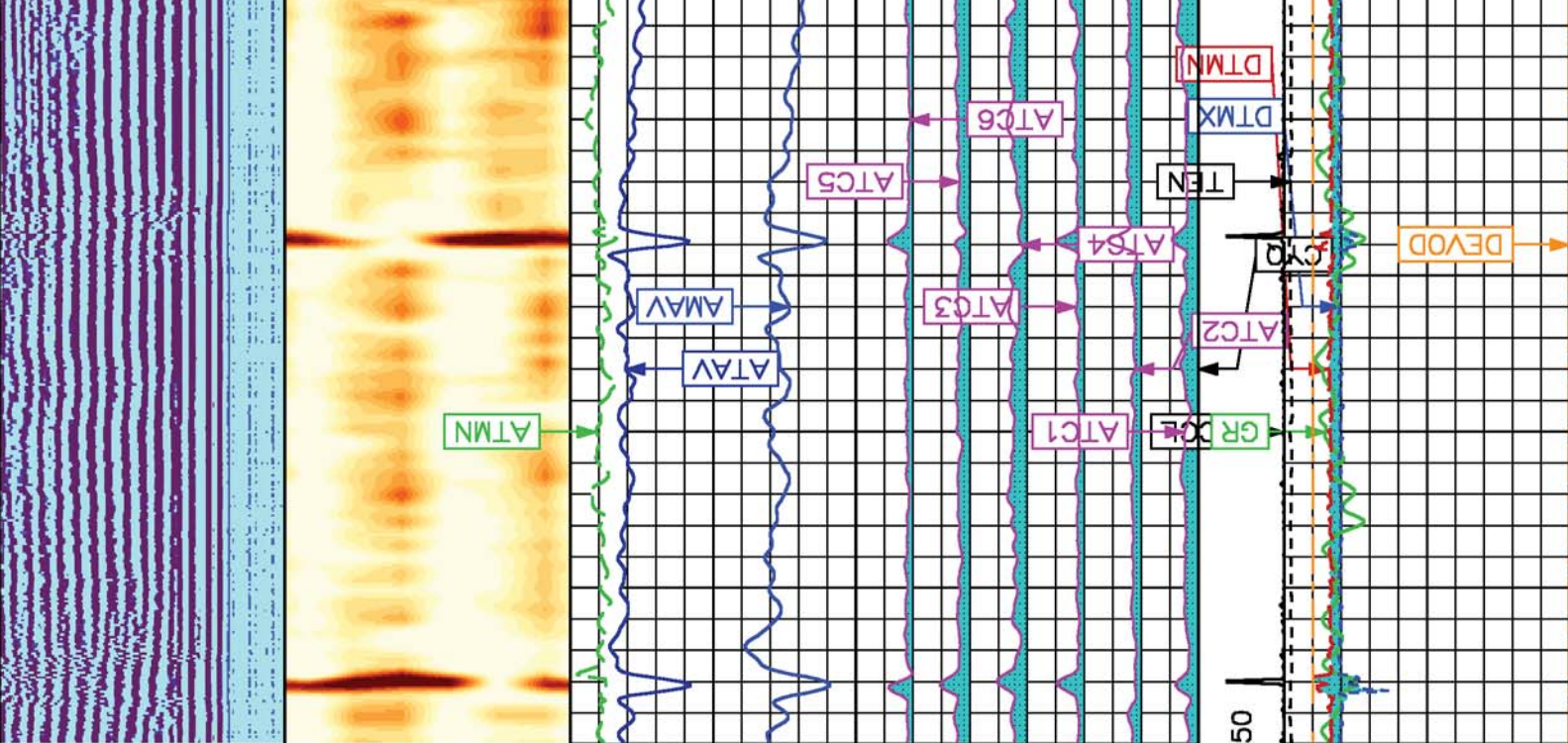
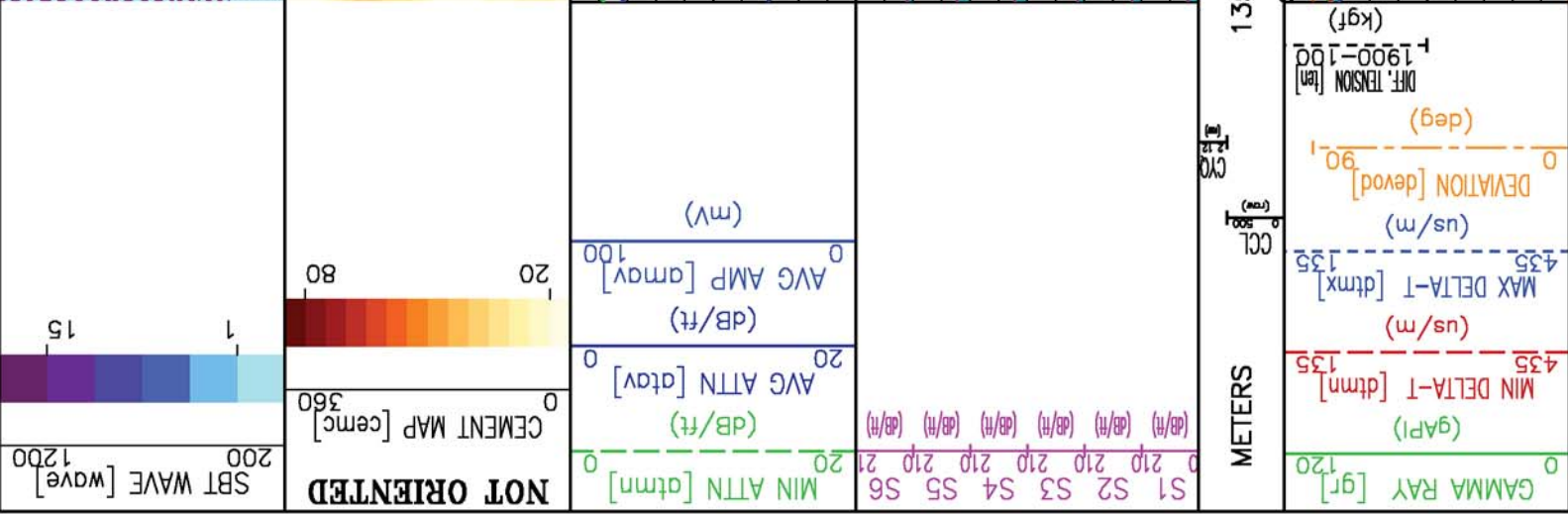
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
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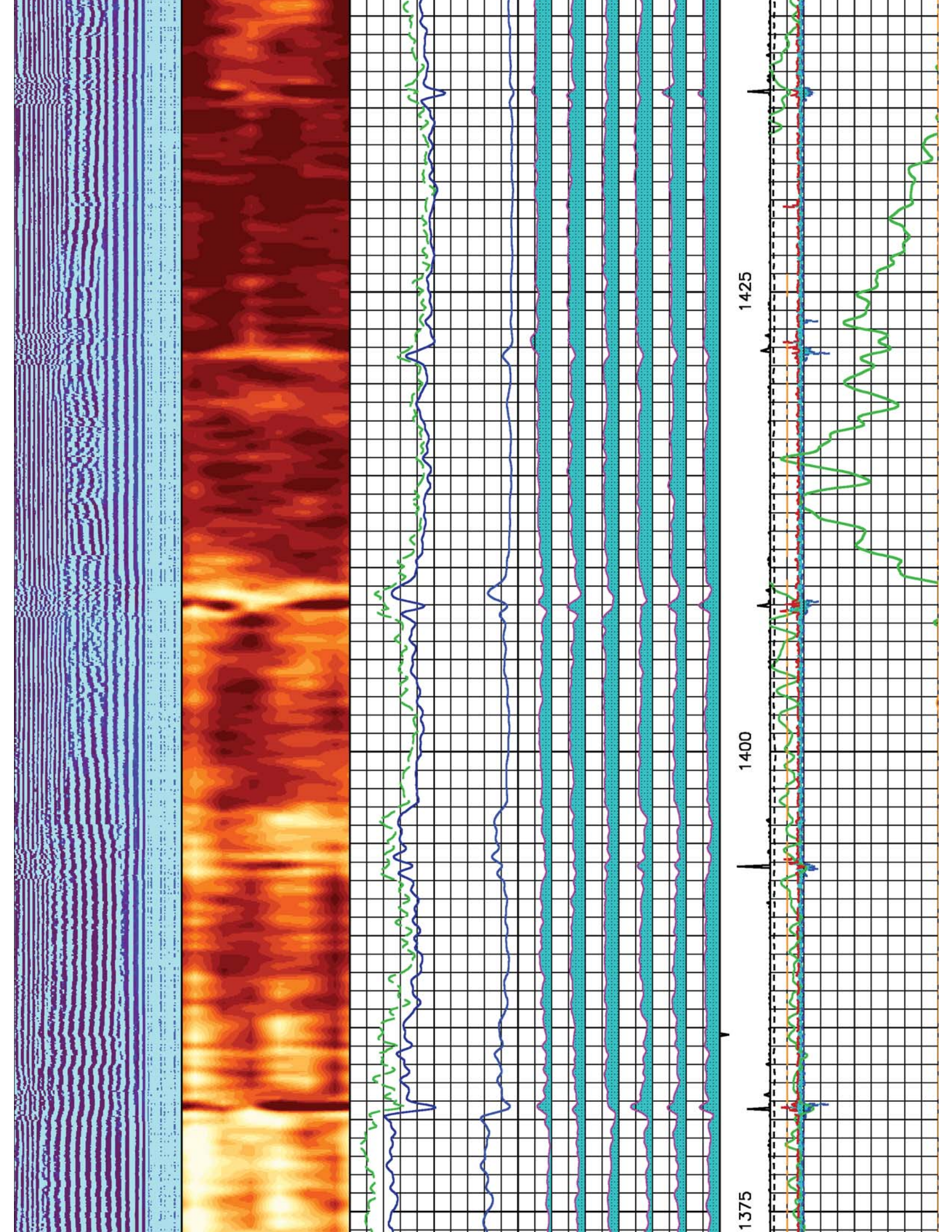
F1:AMAV	Feb 22 18:19:04 2013	AVERAGE AMPLITUDE
F1:ATC1	Feb 22 18:19:04 2013	ATTENUATION PAD 1
F1:ATC2	Feb 22 18:19:04 2013	ATTENUATION PAD 2
F1:ATC3	Feb 22 18:19:04 2013	ATTENUATION PAD 3
F1:ATC4	Feb 22 18:19:04 2013	ATTENUATION PAD 4
F1:ATC5	Feb 22 18:19:04 2013	ATTENUATION PAD 5
F1:ATC6	Feb 22 18:19:04 2013	ATTENUATION PAD 6
F1:ATC7	Feb 22 18:19:04 2013	ATTENUATION PAD 7

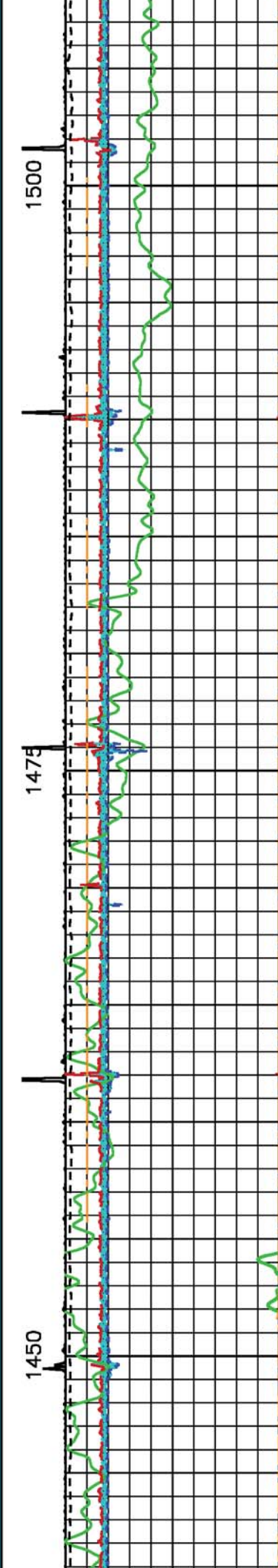
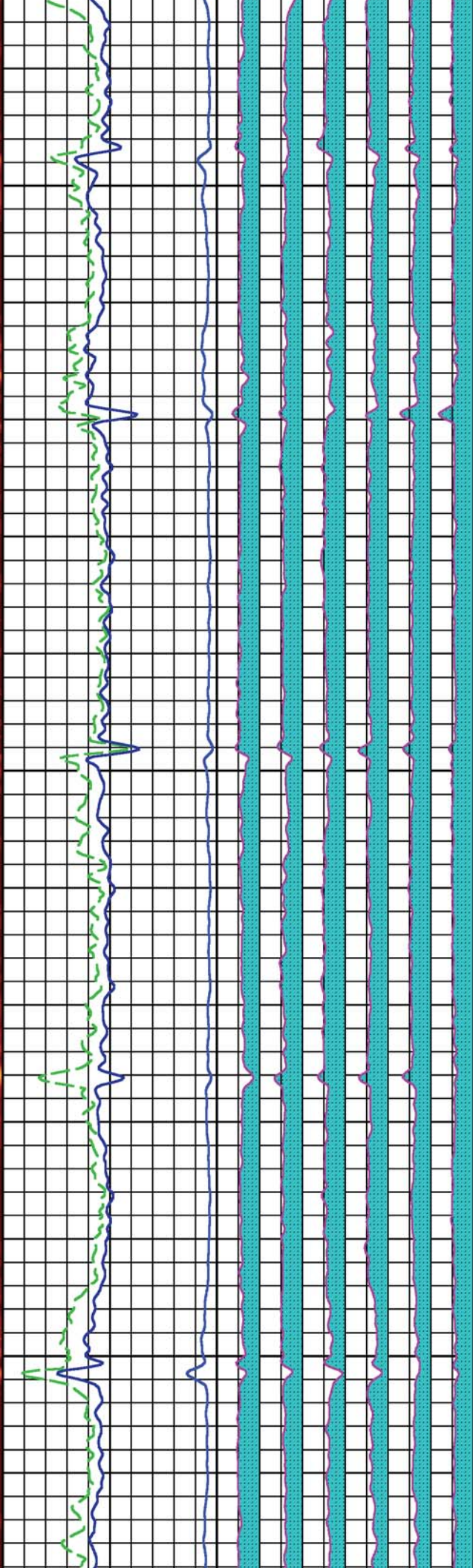
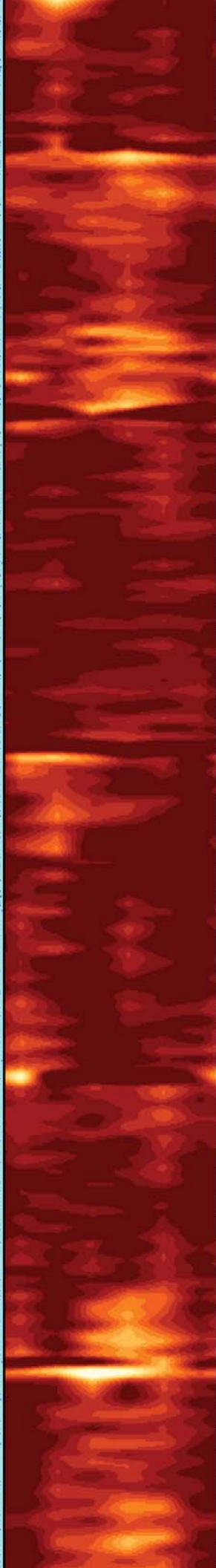
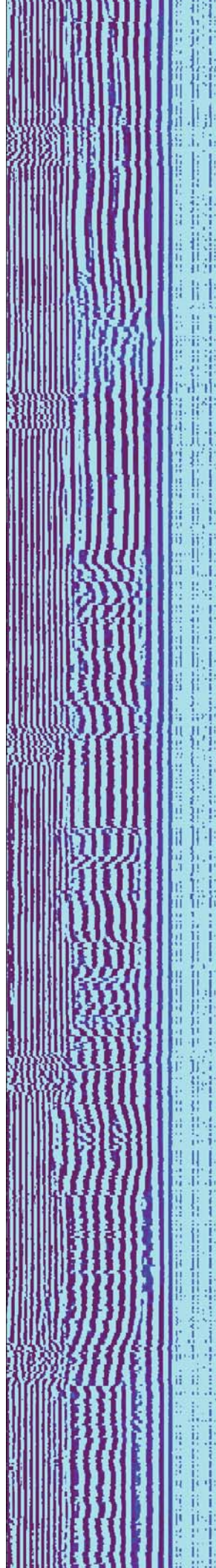
F1: CCL	Feb 22 18:19:04 2013	ATTENTION MINIMUM
F1: CEMC	Feb 22 18:19:04 2013	CALIBRATED CEMENT MAP
F1: CYQ	Feb 22 18:19:04 2013	CYCLE QUALITY
F1: DEVOD	Feb 22 18:19:04 2013	DEVIATION
F1: DTMN	Feb 22 18:19:04 2013	MINIMAL SLOWNESS
F1: DTMX	Feb 22 18:19:04 2013	MAXIMAL SLOWNESS
F1: GR	Feb 22 18:19:04 2013	GAMMA RAY
F1: TEN	Feb 22 18:19:04 2013	DIFFERENTIAL TENSION
F1: WAVE	Feb 22 18:19:04 2013	DIGITIZED WAVEFORM

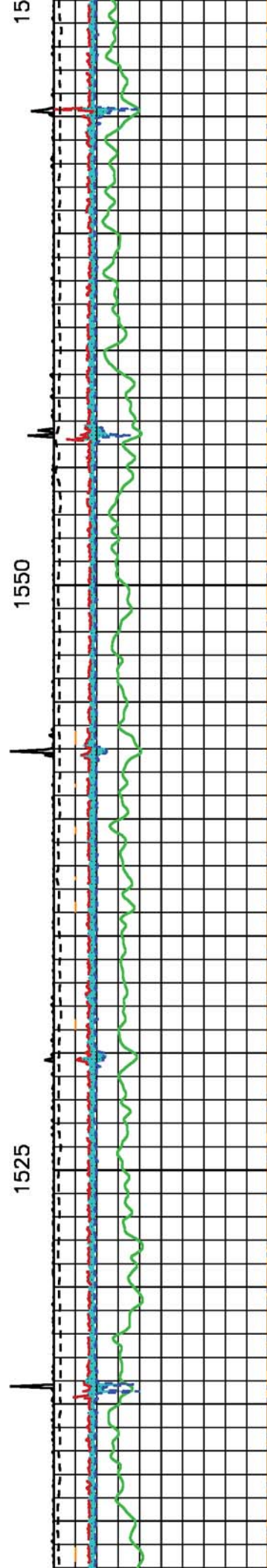
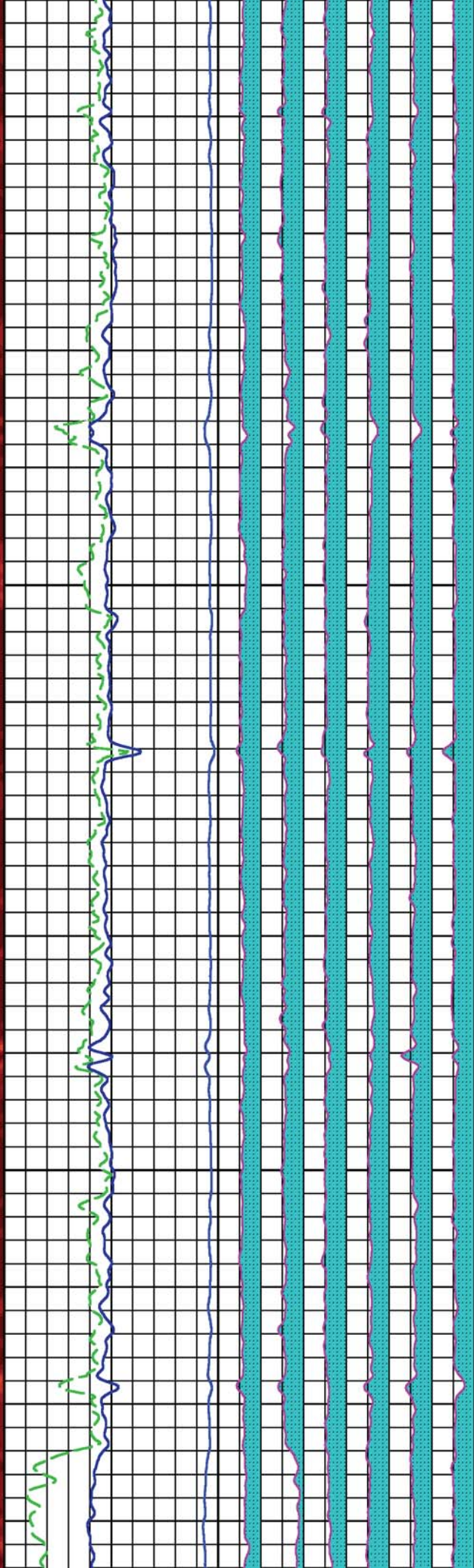
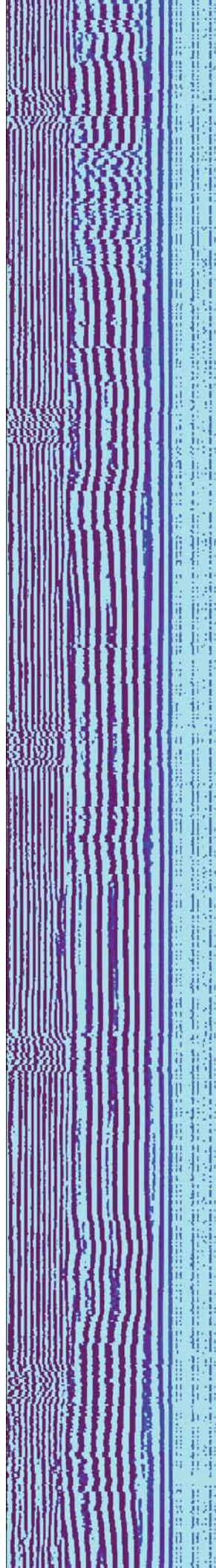
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
AMAV	6.02	ATC3	6.02	ATMN	6.02	DEVOD	6.02
ATAV	6.02	ATC4	6.02	CCL	14.33		
ATC1	6.02	ATC5	6.02	CYQ	6.02	GR	11.81
ATC2	6.02	ATC6	6.02			TEN	0.00

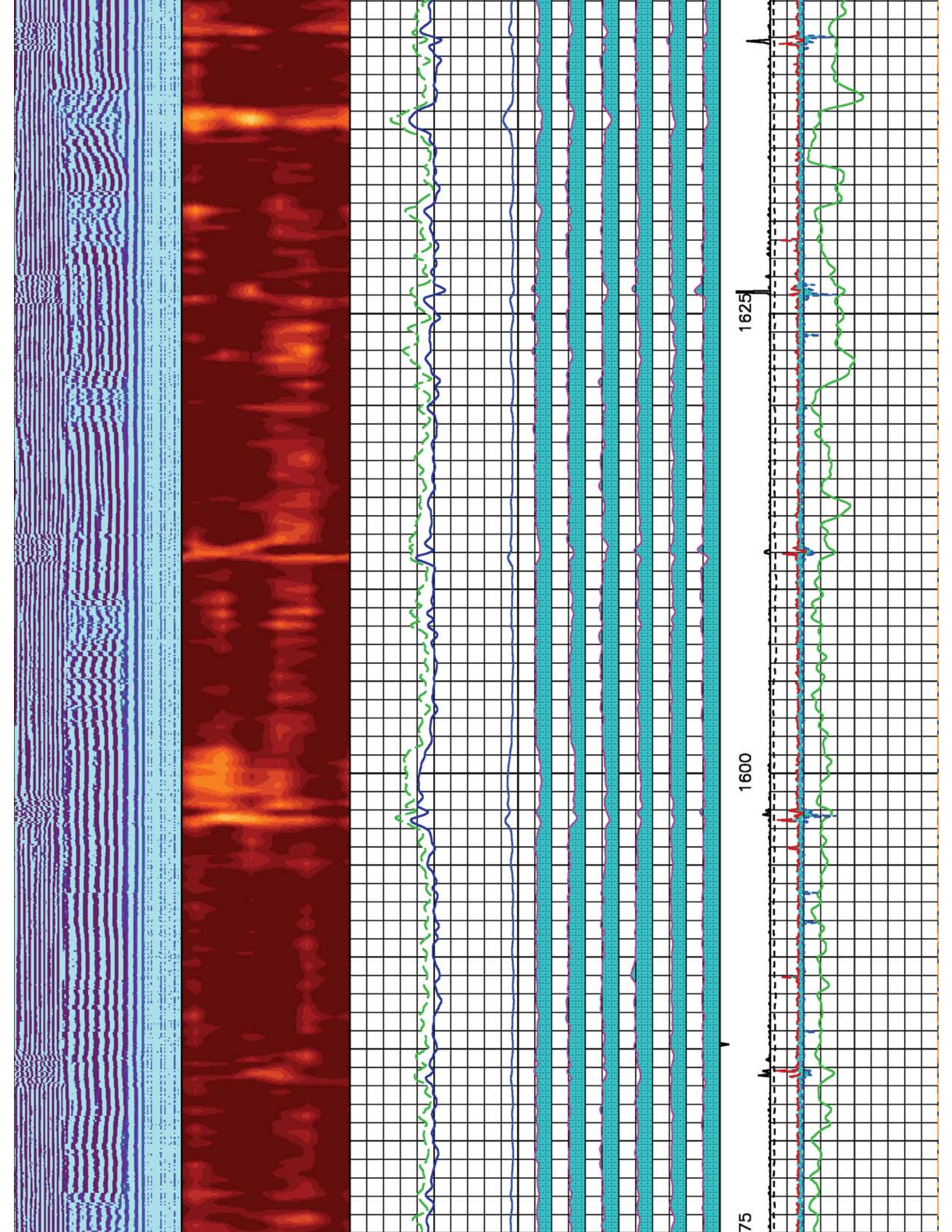
Presentation	: sysa:/data/MGM/run3-ch/sbtmon-no-rb-main-fall.pdf [1:240 Scale]
Plot Interval	: 1350 - 1977.09 Meters
Data File 1	: F1 : sysa:/data/MGM/run3-ch/m331d05.off
Created On	: Feb 22 18:19:04 2013
Company	: MGM ENERGY CORP
Well	: MGM SHELL EAST MACKAY I-78
Field	: EAST MACKAY
File Interval	: 380.619 - 1977.09 Meters
Oct	: m331d

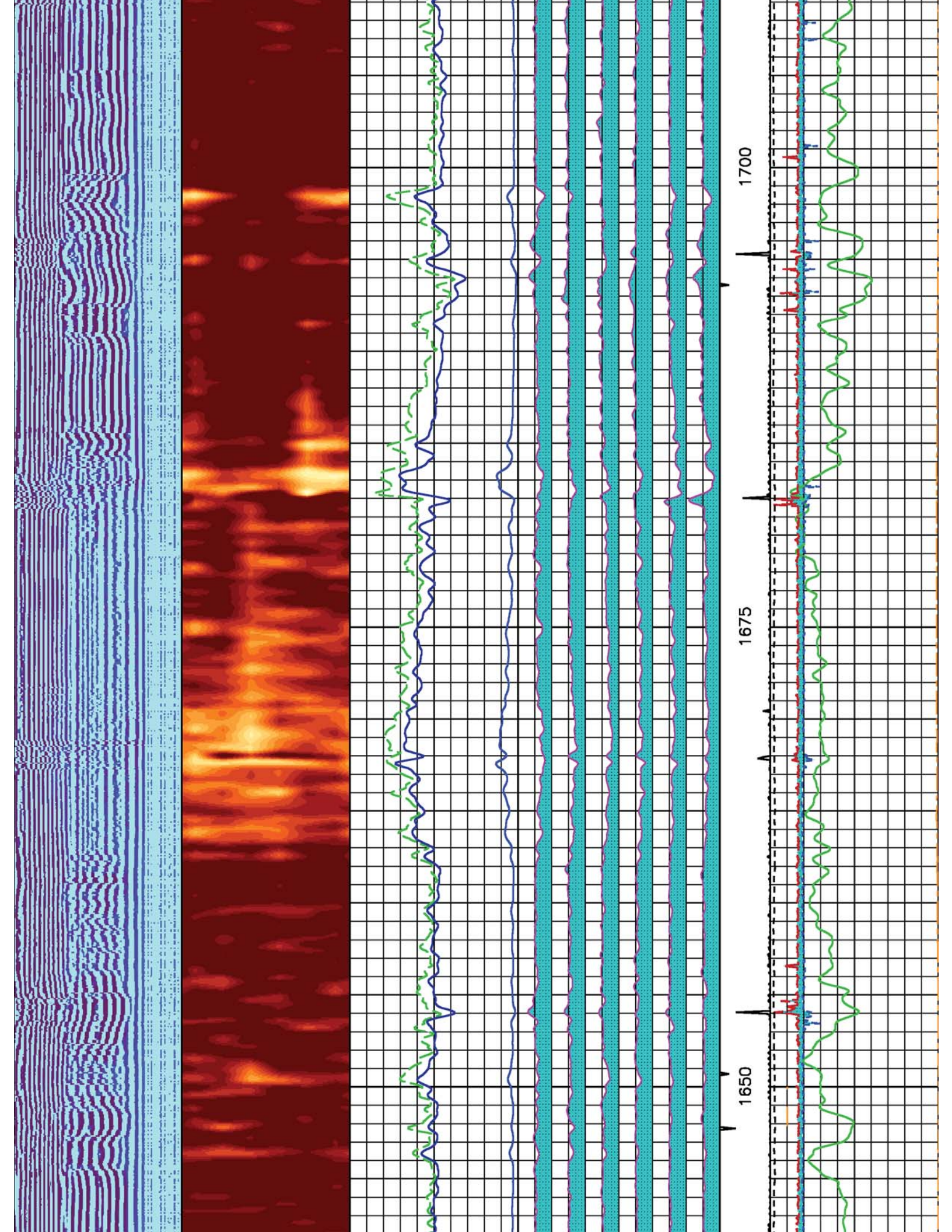


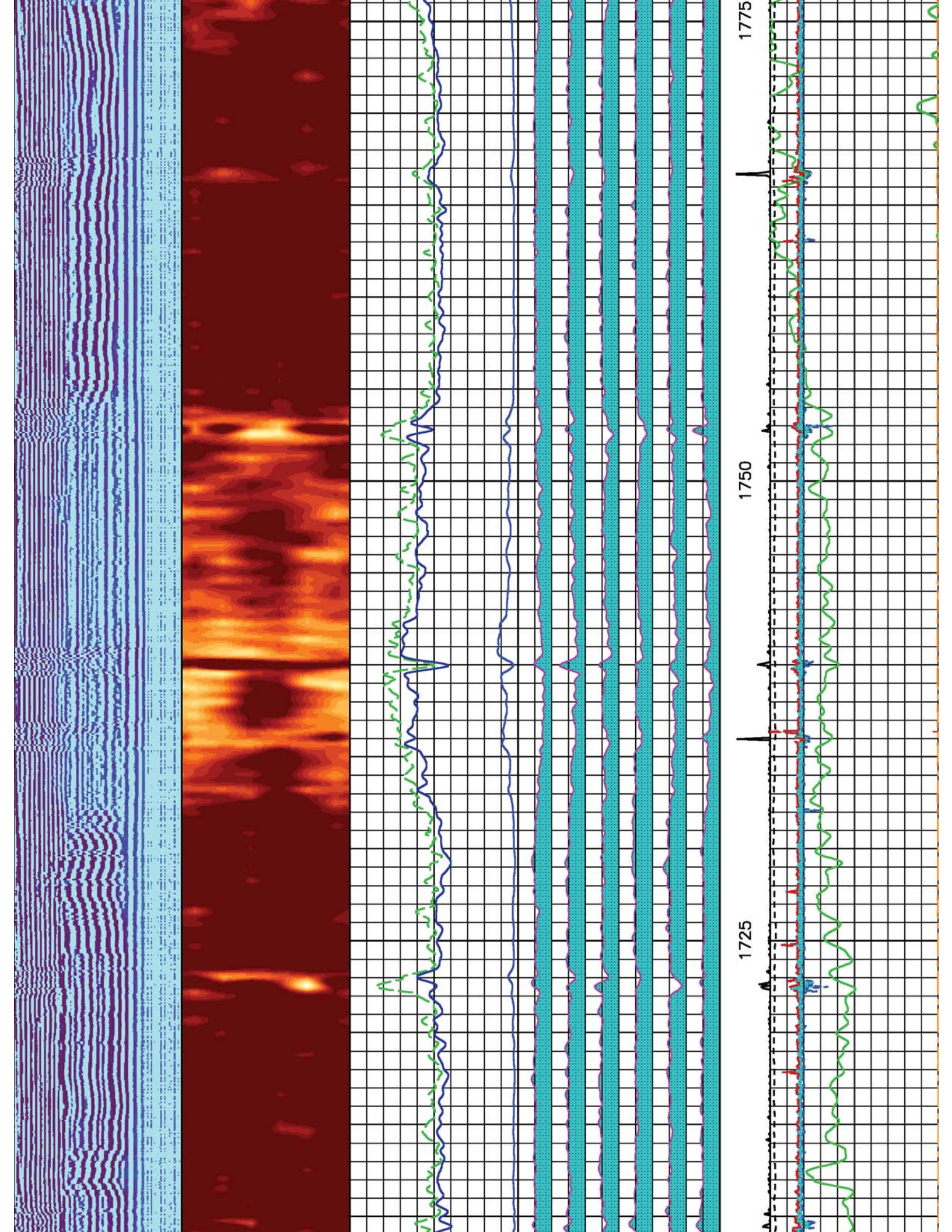


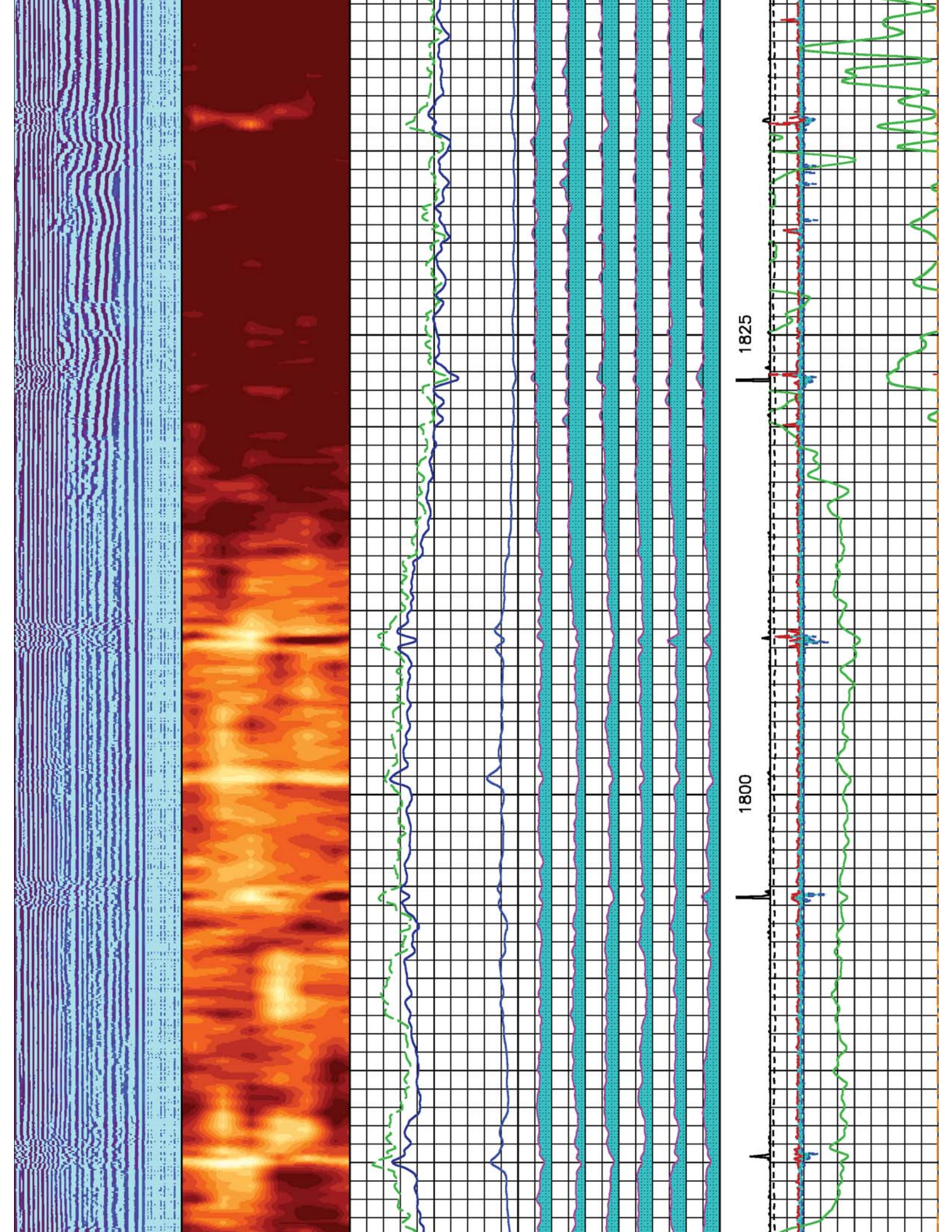


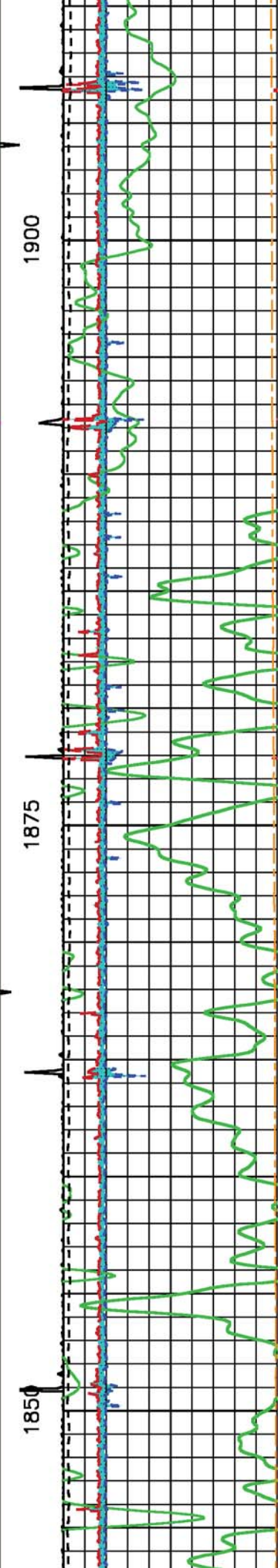
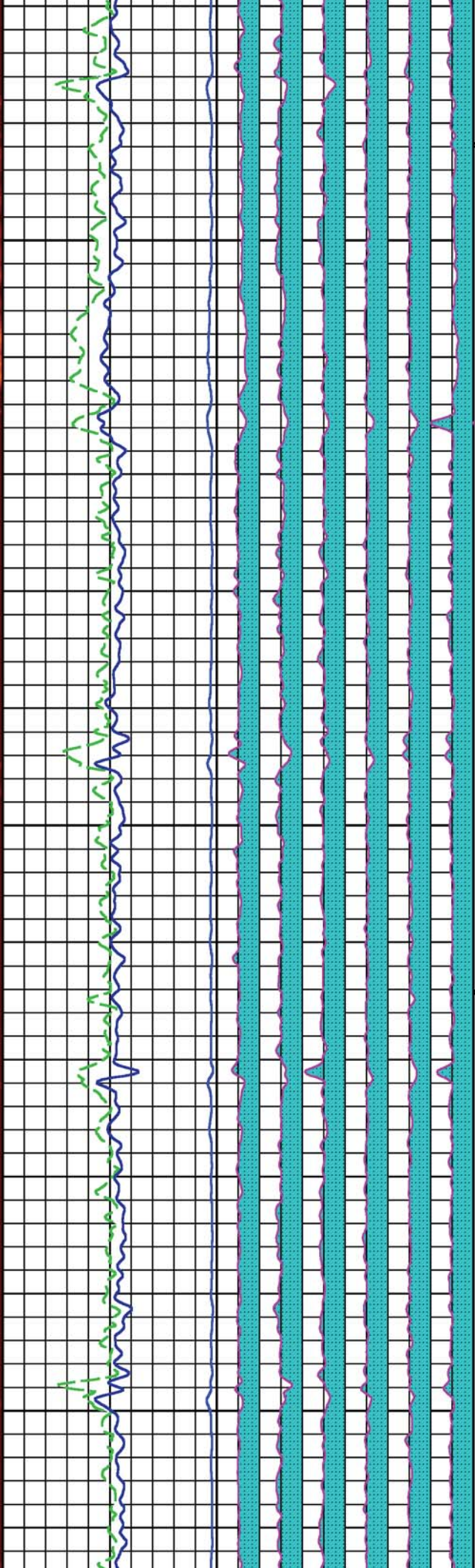
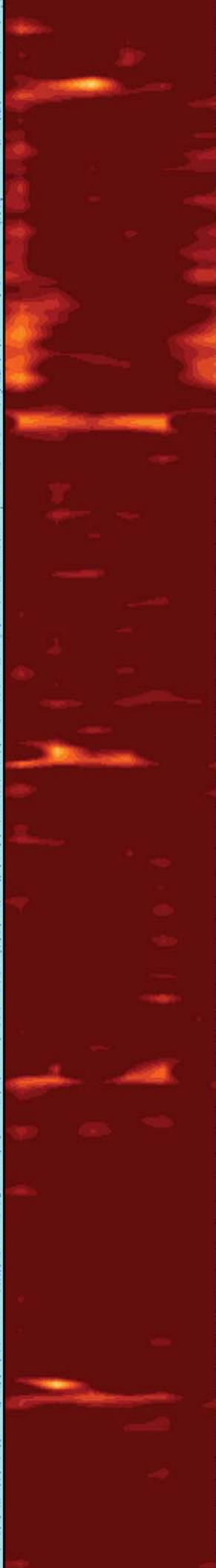
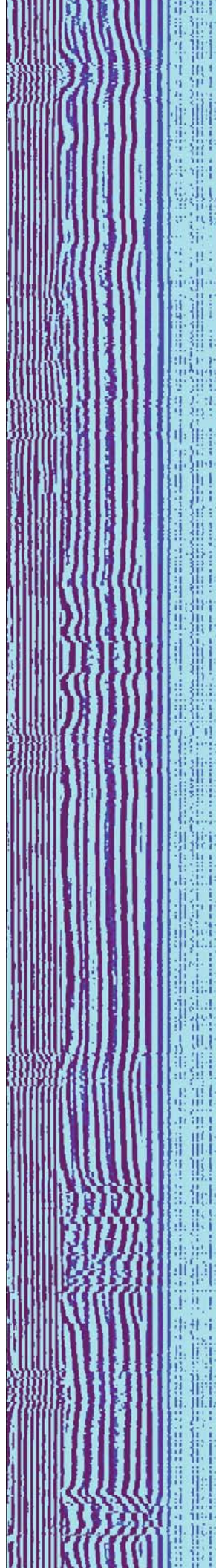


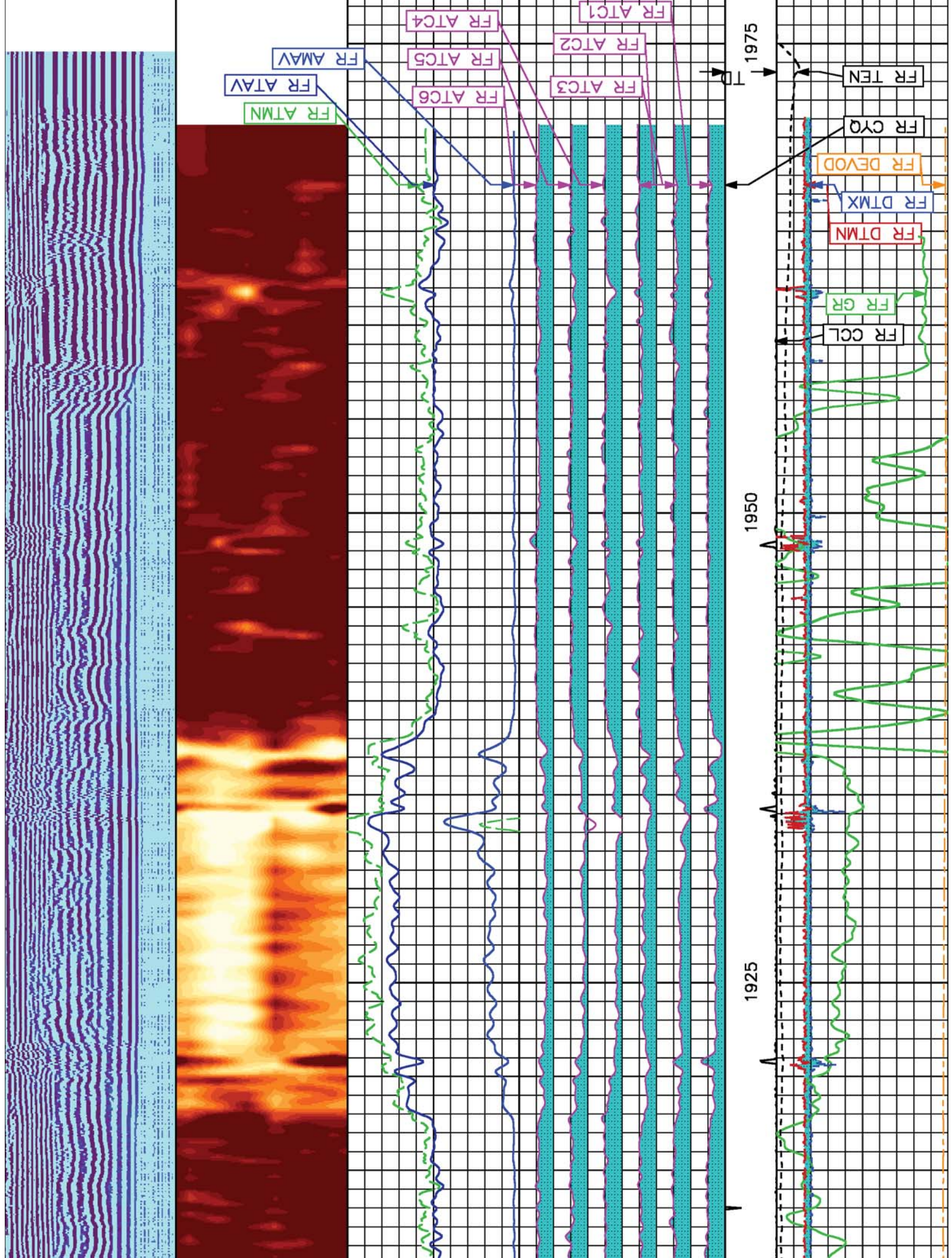












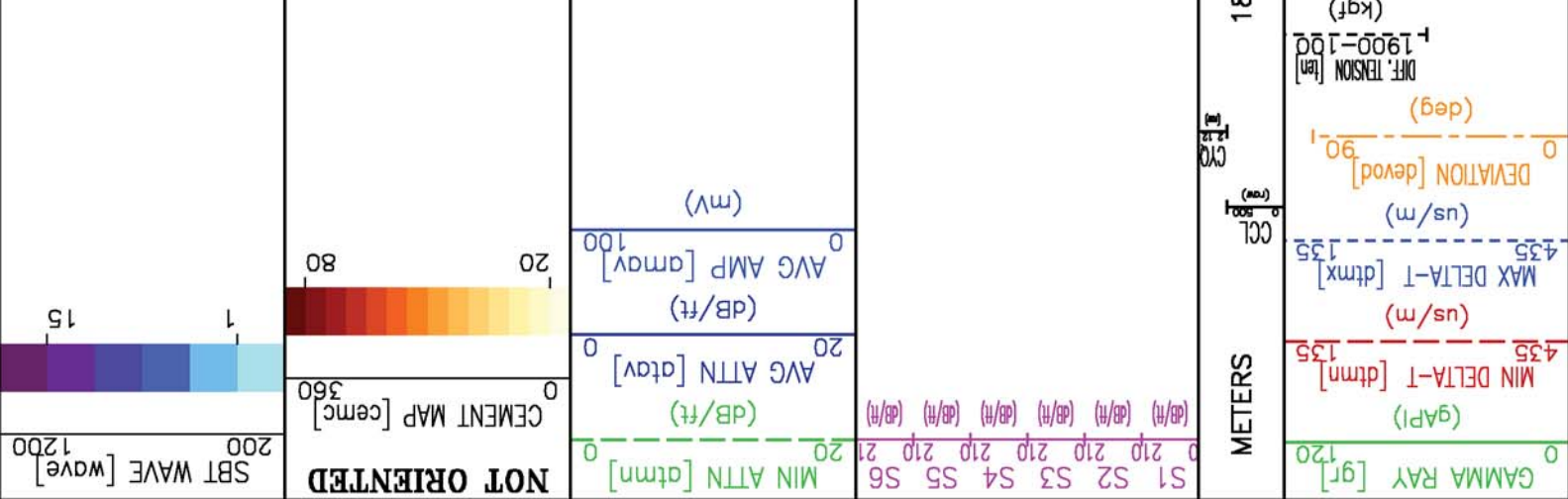
SBT	FILE : /data/MGM/run3_ch/repeat02.sbt.qc.meta		
	CORR. FACTOR1	1.729	DB/ft
	CORR. FACTOR2	-0.041	DB/ft
	CORR. FACTOR3	-0.007	DB/ft
	CORR. FACTOR4	-2.031	DB/ft
	CORR. FACTOR5	-0.266	DB/ft
	CORR. FACTOR6	0.616	DB/ft

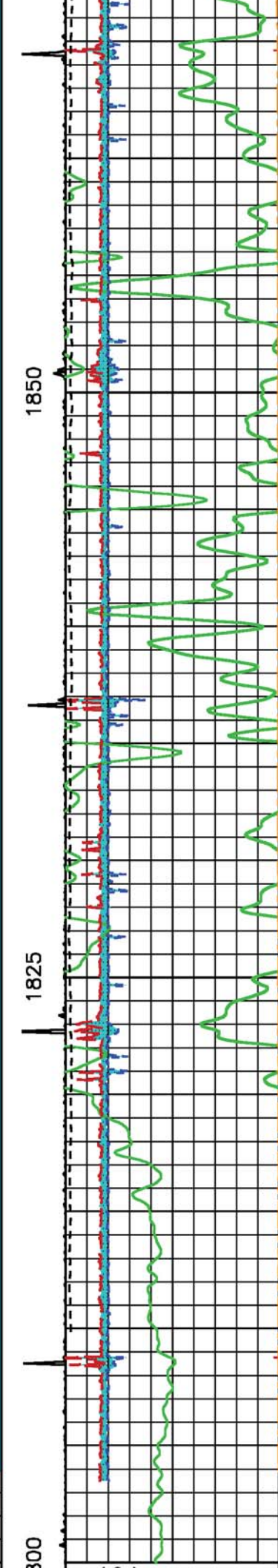
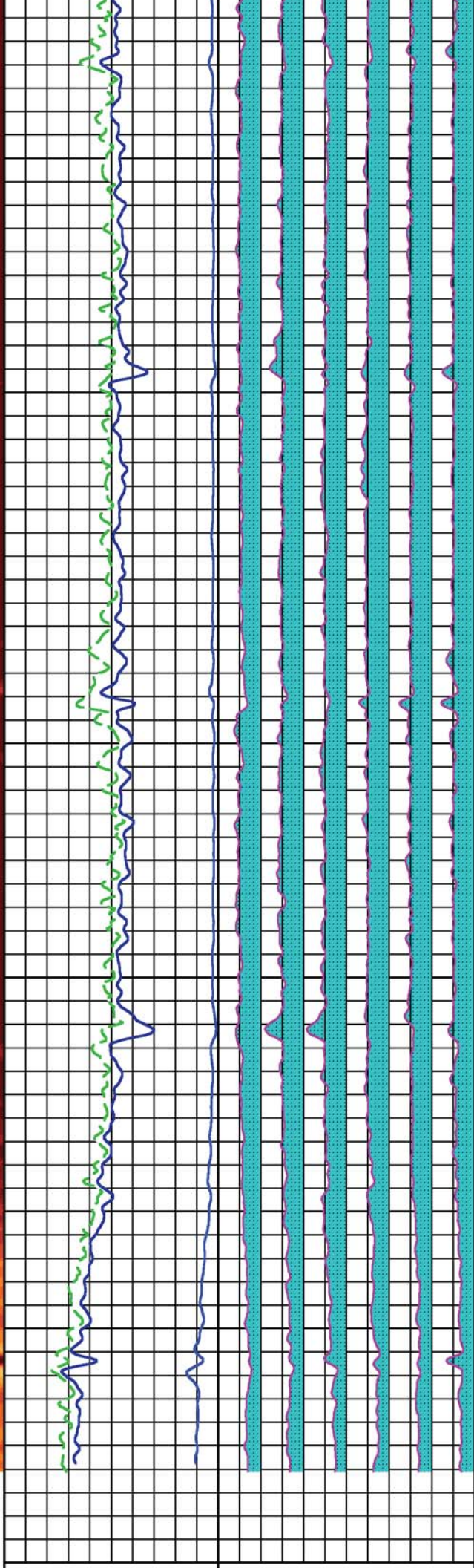
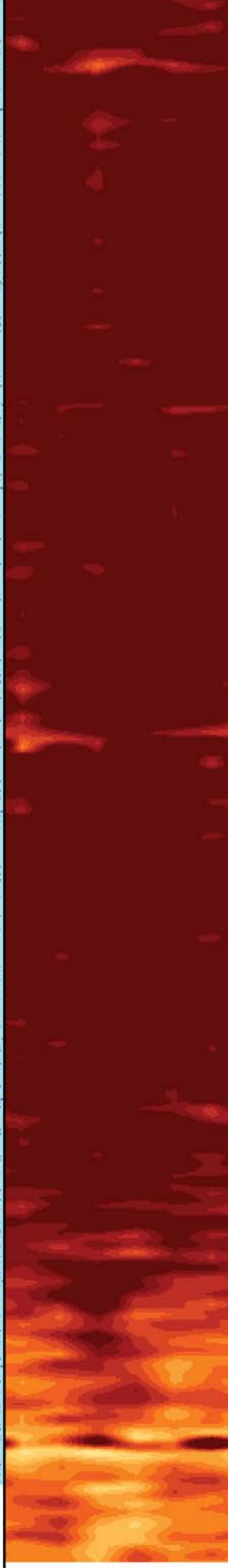
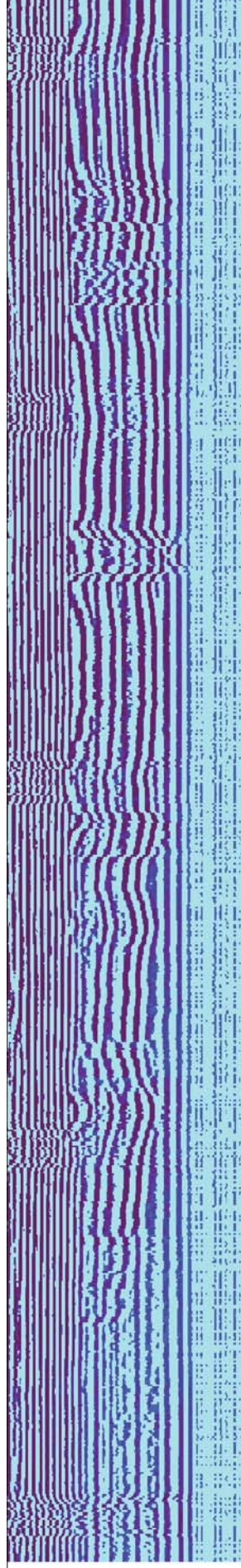
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AMAV	Feb 22 20:09:25 2013	AVERAGE AMPLITUDE
F1:ATAV	Feb 22 20:09:25 2013	AVERAGE ATTENUATION
F1:ATC1	Feb 22 20:09:25 2013	ATTENUATION PAD 1
F1:ATC2	Feb 22 20:09:25 2013	ATTENUATION PAD 2
F1:ATC3	Feb 22 20:09:25 2013	ATTENUATION PAD 3
F1:ATC4	Feb 22 20:09:25 2013	ATTENUATION PAD 4
F1:ATC5	Feb 22 20:09:25 2013	ATTENUATION PAD 5
F1:ATC6	Feb 22 20:09:25 2013	ATTENUATION PAD 6
F1:ATMN	Feb 22 20:09:25 2013	ATTENUATION MINIMUM
F1:CCL	Feb 22 20:09:25 2013	CASING COLLAR LOCATOR
F1:CEMC	Feb 22 20:09:25 2013	CALIBRATED CEMENT MAP
F1:CYQ	Feb 22 20:09:25 2013	CYCLE QUALITY
F1:DEVOD	Feb 22 20:09:25 2013	DEVIATION
F1:DTMN	Feb 22 20:09:25 2013	MINIMAL SLOWNESS
F1:DTMX	Feb 22 20:09:25 2013	MAXIMAL SLOWNESS
F1:GR	Feb 22 20:09:25 2013	GAMMA RAY
F1:TEN	Feb 22 20:09:25 2013	DIFFERENTIAL TENSION
F1:WAVE	Feb 22 20:09:25 2013	DIGITIZED WAVEFORM

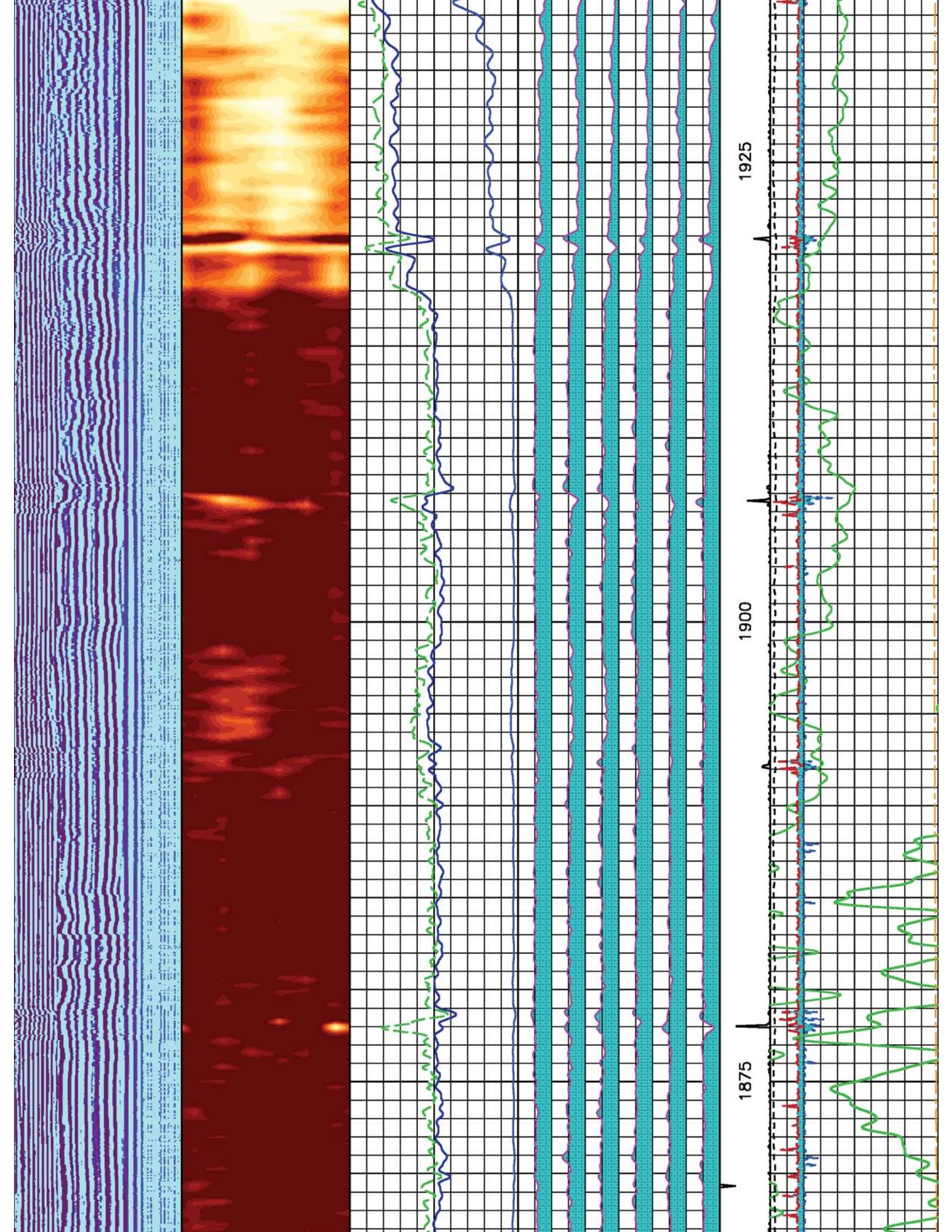
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
AMAV	6.02	ATC3	6.02	ATMN	6.02	DTMN	6.02	DTMX	6.02
ATC1	6.02	ATC4	6.02	CCL	14.33	GR	11.81	TEN	0.00
ATC2	6.02	ATC5	6.02	DEVOD	6.02				

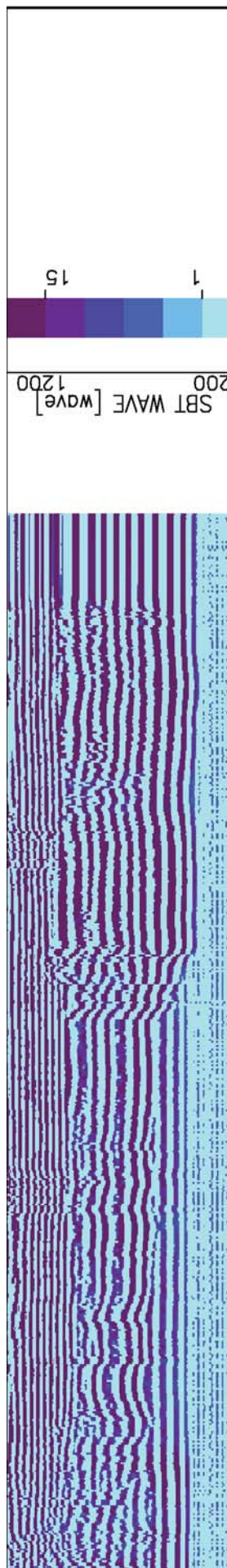
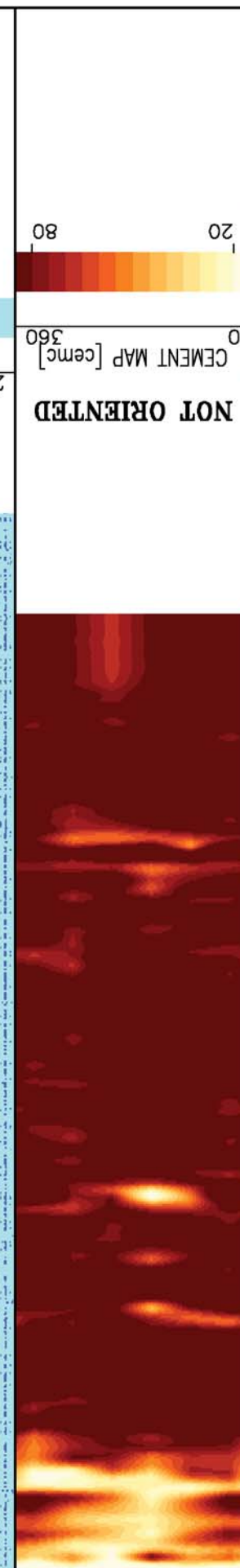
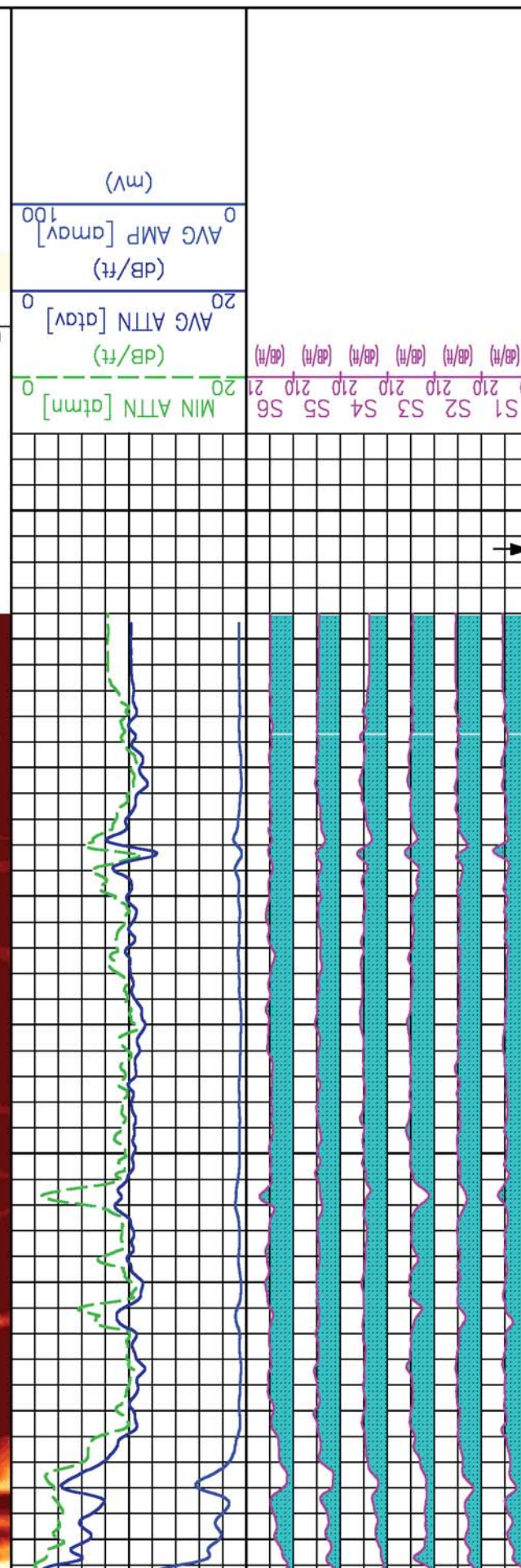
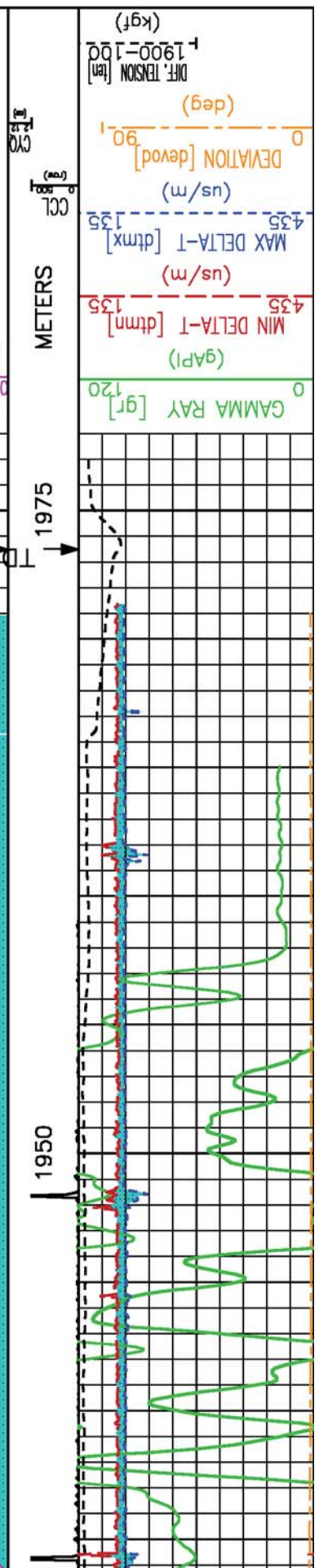
CURVE MEASURE POINT OFFSET

Presentation	: sysa:/data/MGM/run3_ch/sbtmon-no-rb-rpt2.pdf [1:240 Scale]
Plot Interval	: 1800 - 1977.39 Meters
Data File 1	: F1 : sysa:/data/MGM/run3_ch/repeat02.att
Created On	: Feb 22 20:09:25 2013
Company	: MGM ENERGY CORP
Well	: MGM SHELL EAST MACKAY I-78
Field	: EAST MACKAY
File Interval	: 1795.2 - 1977.39 Meters
Oct	: m331d









CALIBRATION / VERIFICATION SUMMARY

Source File: /data/MGM/run3_ch/m331d_sb1p1

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1339XA 12616995 DATE/TIME PERFORMED: Sat Jan 26 15:58:04 2013

UNIT #: 5753XB 10108816 CALB JIG #: 4702NK DA-479

GR	33.91	195.91	162.0	0.926	31.40	181.40	150
	(cts/s)	(cts/s)	(cts/s)		(gAPI)	(gAPI)	(gAPI)
BACKGROUND CALBTR ON	CR DIFF	MULT	BACKGROUND CALBTR ON	CR DIFF	MULT	BACKGROUND CALBTR ON	CR DIFF

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1339XA 12616995 DATE/TIME PERFORMED: Sat Jan 26 16:00:15 2013

UNIT #: 5753XB 10108816 VERI JIG #: 4702NK DA-479

GR	35.13	200.29	0.926	32.53	185.45	152.92	140.00
	(cts/s)	(cts/s)		(gAPI)	(gAPI)	(gAPI)	(gAPI)
BACKGROUND CALBTR ON	MULT	BACKGROUND CALBTR ON	MULT	BACKGROUND CALBTR ON	DIFF.	DIFF.	DIFF.

RB PRIMARY CALIBRATION SUMMARY

TOOL #: 1424XA 120950 DATE/TIME PERFORMED: Sat Jan 26 15:45:33 2013

UNIT #: 5753XB 10108816

X-ATT	-109.4	-422.7	Y-ATT	OFFSET	X-MAX	Y-MAX	RB
	(row)	(row)		(deg)			(deg)
PAD 2	-431.6	-110.4	PAD 3	-75.89	-448.75	435.85	61.14
							55.00 55.00

SBT PRIMARY CALIBRATION SUMMARY

TOOL #: 1424XA 120950 DATE/TIME PERFORMED: Sat Jan 26 15:43:18 2013

 		LAT 64.795 N LONG 125.722 W	
LOCATION:		ELEVATIONS:	
GL 155.00 M DF KB 161.20 M		UID: 3001786450125 30 LICENSE: 1202	
DATE 22-FEB-2013			
COMPANY		MGM ENERGY CORP	
WELL		MGM SHELL EAST MACKAY I-78	
FIELD		EAST MACKAY	
PROVINCE		NORTHWEST TERRITORIES	
FILE NO:		API NO:	

PAD 1						PAD 2						PAD 3						PAD 4						PAD 5						PAD 6					
NOISE LEVEL						PAD SENS																													
1.2	10.0	359.8	150.0	2.0	10.0	295.6	150.0	2.6	10.0	313.0	150.0	1.8	10.0	239.7	150.0	1.4	10.0	2.0	10.0																

