

Company: ENI U&TS

Well: Annamaria B11

Field: Annamaria

Log: FSMT-E

Country: Italy

FSMT-E RUN #1 Formation Subsidence Monitoring Tool Log Interval 1785-950m

Log: FSMT-E
Field: Annamaria
Location: Offshore Adriatic Sea
Well: Annamaria B11
Company: ENI U&TS

LOCATION		Elev.:	K.B.	41.00 m
Offshore Adriatic Sea		G.L.	-59.00 m	
		D.F.	41.00 m	
Permanent Datum:	MSL	Elev.: _____		
Log Measured From:	DF	above Perm. Datum		
Drilling Measured From:	DF			
Rig: MAST	Max. Well Deviation	Longitude	Latitude	
	1.09 deg	13° 24' 26.91" E	44° 19' 18.7" N	

		Run 1	Run 2	Run 3
PVT DATA				
Oil Density				
Water Salinity				
Gas Gravity				
Bo				
Bw				
1/Bq				
Bubble Point Pressure				
Bubble Point Temperature				
Solution GOR				
Maximum Deviation	1.09 deg			
CEMENTING DATA				
Primary/Squeeze	Primary			
Casing String No				
Lead Cement Type				
Volume				
Density				
Water Loss				
Additives				
Tail Cement Type				
Volume				
Density				
Water Loss				
Additives				
Expected Cement Top				
Logging Data				
Run Number	1			
Depth Driller	1804 m			
Schlumberger Depth	1785 m			
Bottom Log Interval	1785 m			
Top Log Interval	950 m			
Casing Fluid Type	Brine CaCl2			
Salinity				
Density	1.2 g/cm3			
Fluid Level	825 m			
BIT/CASING/TUBING STRING				
Bit Size	8.500 in			
From	932 m			
To	1804 m			
Casing/Tubing Size	3.500 in			
Weight	29 lbm/ft			
Grade	L80			
From	0 m			
To	1798 m			
Maximum Recorded Temperatures				
Logger On Bottom	2-Dec-2018	Time		
Unit Number	729	ITPE		
Recorded By	R.Chibzui			
Witnessed By	L.Milia			

Logging Date	2-Dec-2018	
Run Number	1	
Depth Driller	1804 m	
Schlumberger Depth	1785 m	
Bottom Log Interval	1785 m	
Top Log Interval	950 m	
Casing Fluid Type	Brine CaCl2	
Salinity		
Density	1.2 g/cm3	
Fluid Level	825 m	
BIT/CASING/TUBING STRING		
Bit Size	8.500 in	
From	932 m	
To	1804 m	
Casing/Tubing Size	3.500 in	
Weight	29 lbm/ft	
Grade	L80	
From	0 m	
To	1798 m	
Maximum Recorded Temperatures		
Logger On Bottom	2-Dec-2018	Time
Unit Number	729	ITPE
Recorded By	R.Chibzui	
Witnessed By	L.Milia	

DEPTH SUMMARY LISTING

Date Created: 17-JAN-2019 10:55:38

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-JA Serial Number: 6743 Calibration Date: 22-Nov-2018 Calibrator Serial Number: 15 Calibration Cable Type: 2-23ZT Wheel Correction 1: -3 Wheel Correction 2: 0	Type: CMTD-B/A Serial Number: 1739 Calibration Date: 07-Sep-2018 Calibrator Serial Number: 1080 Number of Calibration Points: 10 Calibration RMS: 9 Calibration Peak Error: 17	Type: 2-23ZT Serial Number: 26349 Length: 7315 M <hr/> Conveyance Method: Wireline Rig Type: Rigless

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	FSMT-E run #9
Reference Log Run Number:	9
Reference Log Date:	09-Sep-2017
Subsequent Trip Down Log Correction:	

Depth Control Remarks

1. All Schlumberger depth policy applied
2. IDW used as primary depth control
3. Z-Chart used as secondary
4.
5.
6.

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 OF 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.



OTHER SERVICES1 OS1: PNX OS2: OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Log Objective: Monitoring Formation Subsidence by Time Laps technique	
Log correlated with FSMT-E Run #9 performed on 9-Sep-2017 by Schlumberger	
Tool ID 1.69in, Weakpoint used Blue 1800-2150Lbf, Tool Zero at bottom	
Log recorded @300 ft/hr in all 3 zones	
Toolstring run as per toolsketch	
ZONE 1: 1785-1720, 2 passes @300 ft/hr, 1 pass @600 ft/hr	
ZONE 2: 1510-1040m, 3 passes @ 300 ft/hr	

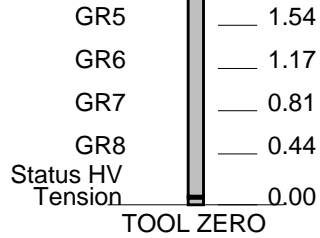
ZONE 3: 1010 - 950m, 3 passes @ 300 ft/hr					
Before Calibration performed on 17-Oct-2018					
After Calibration performed on 14-Jan-1019					
WHP: 43Bar, Pressure test performed @ 100 Bar as per client request					

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
19C2-270			825 m		
825 m					
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1	RUN 2
SURFACE EQUIPMENT	
WITM-A PSC_16MHZ	

DOWNHOLE EQUIPMENT			
MH-22 MH-22 1152		14.39	
AH-38		13.59	
PSPT PSC-A 701 PSPT-E PSTC-E	Detail MT TelStatus CTEM PSTC	13.51 13.51 12.71	
FSMT-E FSMD-B 701 FSMX-A 701 FSMX-A 702 FSMX-A 705 FSMD-C 701 BN	Acc, GR1 GR2 GR3 GR4	11.52 11.15 10.79 10.42	



MAXIMUM STRING DIAMETER 1.69 IN
 MEASUREMENTS RELATIVE TO TOOL ZERO
 ALL LENGTHS IN METERS



JOB EVENTS SUMMARY

MAXIS Field Log

Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Rig Up Started	30-Nov-2018 11:00			
Descent 1: FSMT-E/PSPT				
Begin Descent	2-Dec-2018 7:00			
ZONA 3 & ZONA 1				
Log Pass (up)	2-Dec-2018 8:28	000:44	1782.8 - 1719.4	FSMT_PSP_005LUP
Log Pass (up)	2-Dec-2018 9:41	001:27	1786.0 - 1719.8	FSMT_PSP_009LUP
performed @ 150ft/h				
Log Pass (up)	2-Dec-2018 11:17	000:44	1784.9 - 1719.8	FSMT_PSP_012LUP
Log Pass (up)	2-Dec-2018 12:12	000:43	1784.9 - 1719.8	FSMT_PSP_015LUP
Log Pass (up)	2-Dec-2018 13:05	000:22	1786.0 - 1720.0	FSMT_PSP_016LUP
performed @ 600ft/h				
Log Pass (up)	2-Dec-2018 13:54	000:47	1020.8 - 949.9	FSMT_PSP_018LUP
Log Pass (up)	2-Dec-2018 15:34	000:46	1020.0 - 949.9	FSMT_PSP_022LUP
Log Pass (up)	2-Dec-2018 16:30	000:45	1020.0 - 950.1	FSMT_PSP_024LUP
Descent 2: FSMT-E/PSPT				
Begin Descent	3-Dec-2018 7:00			
ZONA 2 PASS 1 & PASS 2				
Log Pass (up)	3-Dec-2018 7:58	005:09	1515.0 - 1039.5	FSMT_PSP_028LUP
Log Pass (up)	3-Dec-2018 13:33	005:10	1517.0 - 1039.5	FSMT_PSP_030LUP

Descent 3: FSMT-E/PSPT

Begin Descent	4-Dec-2018	7:00			
ZONA 2 PASS 3					
Log Pass (up)	4-Dec-2018	7:58	005:11	1515.3 - 1039.5	FSMT_PSP_032LUP
Rig Down Completed	5-Dec-2018	11:00			



FINAL RESULTS
ZONA 1 (1785-1720M)

MAXIS Field Log

Well Name: Annamaria B11
 Run Date : 02-Dec-2018
 Zone Name: ZONA 1
 Tool String: FSMT-E S/N 701
 Reference Detector: DET1
 File 0: FSMT_16.fsf (Reference File)
 File 1: FSMT_15.fsf
 File 2: FSMT_6.fsf

14-Jan-2019 : Calibrated Detector Spacings at 1.5°C (m):
 D12 = 0.369369
 D23 = 0.368321
 D34 = 0.368410
 D45 = 8.895102
 D56 = 0.368399
 D67 = 0.366334
 D78 = 0.370619

Marker spacings for each pass :
 Distance in m between a marker and the adjacent marker below
 Standard Deviation always in mm

Results on all 3 passes in m :

#	Depth	Spacing Avg. (~21 Meas.)	Std Dev (3 passes)
- 0	1769.19		
1	1763.88		
2	1758.73	10.46673	3.54865
3	1753.46	10.41912	2.31882
4	1748.19	10.52775	2.06323
5	1742.99	10.47970	1.46709
- 6	1737.67	10.52123	0.42886

All Peaks were automatically detected with the following parameters:
 FSMT FIT GAUSSIAN

FSMT_FIT = GAUSSIAN
FSMT_FILTER = 400
FSMT_THRESHOLD = 120

Schlumberger

**FINAL RESULTS
ZONA 2 (1510-1040M)**

MAXIS Field Log

Well Name: Annamaria B11
Run Date : 03-Dec-2018
Zone Name: ZONA 2
Tool String: FSMT-E S/N 701
Reference Detector: DET1
File 0: FSMT_29.fsf
File 1: FSMT_30.fsf (Reference File)
File 2: FSMT_33.fsf

14-Jan-2019 : Calibrated Detector Spacings at 1.5°C (m):

D12 = 0.369369
D23 = 0.368321
D34 = 0.368410
D45 = 8.895102
D56 = 0.368399
D67 = 0.366334
D78 = 0.370619

Marker spacings for each pass :

Distance in m between a marker and the adjacent marker below

Standard Deviation always in mm

Results on all 3 passes in m :

#	Depth	Spacing Avg. (~21 Meas.)	Std Dev (3 passes)
- 0	1498.15526		
1	1492.87231		
2	1487.66226	10.4942	2.55182
3	1482.47126	10.40238	1.47617
4	1477.28126	10.57400	0.65124

4	1477.09104	10.57489	0.65124
5	1471.86092	10.60908	3.4086
6	1466.70371	10.38469	1.9777
7	1461.3471	10.51325	2.03828
8	1456.31028	10.3882	0.91317
9	1451.09388	10.24906	1.48524
10	1445.76522	10.54714	2.23664
11	1440.51199	10.58556	0.38613
12	1435.26206	10.50344	0.71546
13	1430.06471	10.44316	0.20198
14	1424.79828	10.4608	0.72848
15	1419.50873	10.55613	2.24195
16	1414.27963	10.51313	1.23033
17	1409.06729	10.44598	1.82632
18	1403.74345	10.53905	2.52173
19	1398.52071	10.54473	1.21712
20	1393.20195	10.53949	1.64271
21	1387.95126	10.56716	1.38897
22	1382.78744	10.41966	3.53893
23	1377.50754	10.443	1.2157
24	1372.23399	10.54806	0.85858
25	1367.0529	10.45086	0.99994
26	1361.77808	10.46219	0.78948
27	1356.48904	10.56511	1.86209
28	1351.26528	10.50839	2.01072
29	1346.02932	10.46296	1.56564
30	1340.8081	10.45263	1.09555
31	1335.47664	10.55596	1.3628
32	1330.2737	10.54338	1.16663
33	1325.0286	10.44769	0.68319
34	1319.8183	10.45159	1.80511

35	1314.51071	10.5183	1.26258
36	1309.33927	10.48303	0.50213
37	1304.04947	10.46542	0.40623
38	1298.7998	10.53529	1.17096
39	1293.53082	10.51754	0.64351
40	1288.28801	10.51295	1.6562
41	1283.07847	10.44986	0.61731
42	1277.87248	10.41272	0.48425
43	1272.67463	10.40241	1.43659
44	1267.44426	10.43345	0.61452
45	1262.21694	10.46366	1.66916
46	1257.00232	10.4499	1.05662
47	1251.67391	10.54056	2.34325
48	1246.51745	10.48587	1.91535
49	1241.22892	10.4314	1.20821
50	1235.9983	10.51041	1.49626
51	1230.67497	10.55516	0.11719
52	1225.36967	10.6202	2.17114
53	1220.21499	10.45856	1.44097
54	1214.95465	10.43349	1.74745
55	1209.69279	10.54068	0.57777
56	1204.37352	10.58344	1.83166
57	1199.22291	10.46702	1.85343
58	1193.98213	10.38979	1.39103
59	1188.75252	10.46611	2.92248
60	1183.6075	10.36721	0.97285
61	1178.32226	10.4227	0.91699
62	1173.14397	10.45682	1.60436
63	1167.84426	10.47872	2.01975
64	1162.6525	10.48993	2.32918
65	1157.38276	10.45353	0.95214

65	1157.58278	10.45555	0.95214
66	1152.12521	10.52287	1.06536
67	1146.82982	10.54651	1.01626
68	1141.54967	10.57525	1.01969
69	1136.3066	10.51902	2.14612
70	1131.04982	10.49753	1.63747
71	1125.87025	10.43322	0.28855
72	1120.53498	10.50998	1.13059
73	1115.25203	10.61015	2.64928
74	1110.01633	10.51287	4.55204
75	1104.80476	10.44679	2.12073
76	1099.56016	10.45526	1.53412
77	1094.34631	10.45288	1.12663
78	1089.0372	10.5233	1.48772
79	1083.77254	10.57015	3.03741
80	1078.74334	10.28174	11.24916
81	1073.43423	10.33228	3.51283
82	1068.20894	10.53028	1.50594
83	1062.85589	10.57503	2.15583
- 84	1057.70147	10.5057	3.53559

All Peaks were automatically detected with the following parameters:

FSMT_FIT GAUSSIAN

FSMT_FILTER 200

FSMT_THRESHOLD 120

Peak at depth 1257.00 m was processed using the following parameters

FSMT_PEAKTTYPE SMALL_PEAK

FSMT_FIT GAUSSIAN

FSMT_FILTER 400

Peak at depth 1089.04 m was processed using the following parameters

Peak at depth 1009.01 m was processed using the following parameters
FSMT_PEAKEYTYPE SMALL_PEAK
FSMT_FIT GAUSSIAN
FSMT_FILTER 400

Schlumberger

**FINAL RESULTS
ZONA 3 (1010-950M)**

MAXIS Field Log

Well Name: Annamaria B11
Run Date : 02-Dec-2018
Zone Name: ZONA 3
Tool String: FSMT-E S/N 701
Reference Detector: DET1
File 0: FSMT_25.fsf
File 1: FSMT_23.fsf
File 2: FSMT_19.fsf (Reference File)

14-Jan-2019 : Calibrated Detector Spacings at 1.5°C (m):

D12 = 0.369369
D23 = 0.368321
D34 = 0.368410
D45 = 8.895102
D56 = 0.368399
D67 = 0.366334
D78 = 0.370619

Marker spacings for each pass :

Distance in m between a marker and the adjacent marker below
Standard Deviation always in mm

Results on all 3 passes in m :

#	Depth	Spacing Avg. (~21 Meas.)	Std Dev (3 passes)
- 0	1001.40		

1	996.14		
2	990.89	10.49582	1.65307
3	985.65	10.48746	1.58594
4	980.35	10.54736	1.62028
5	975.08	10.56193	5.48988
- 6	969.76	10.58019	1.05944

All Peaks were automatically detected with the following parameters:

FSMT_FIT = GAUSSIAN

FSMT_FILTER = 200

FSMT_THRESHOLD = 120



ZONA 1 PASS #1

MAXIS Field Log

Company: ENI U&TS

Well: Annamaria B11

Input DLIS Files

DEFAULT	FSMT_PSP_005LUP	FN:4	PRODUCER	02-Dec-2018 08:28	1782.8 M	1719.4 M
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Output DLIS Files

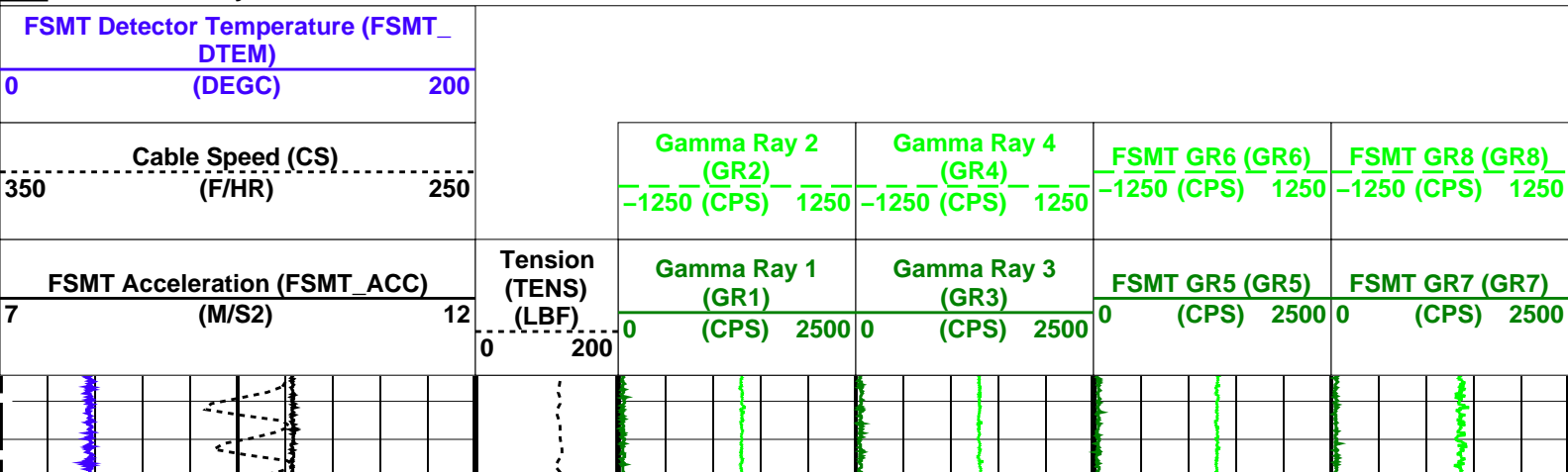
DEFAULT	FSMT_PSP_006PUP	FN:7	PRODUCER	02-Dec-2018 09:18	1783.7 M	1720.3 M
BACKUP	FSMT_PSP_006PUP	FN:8	PRODUCER	02-Dec-2018 09:19	1783.7 M	1720.3 M
CUSTOMER	FSMT_PSP_006PUC	FN:9	CUSTOMER	02-Dec-2018 09:18	1783.7 M	1720.3 M

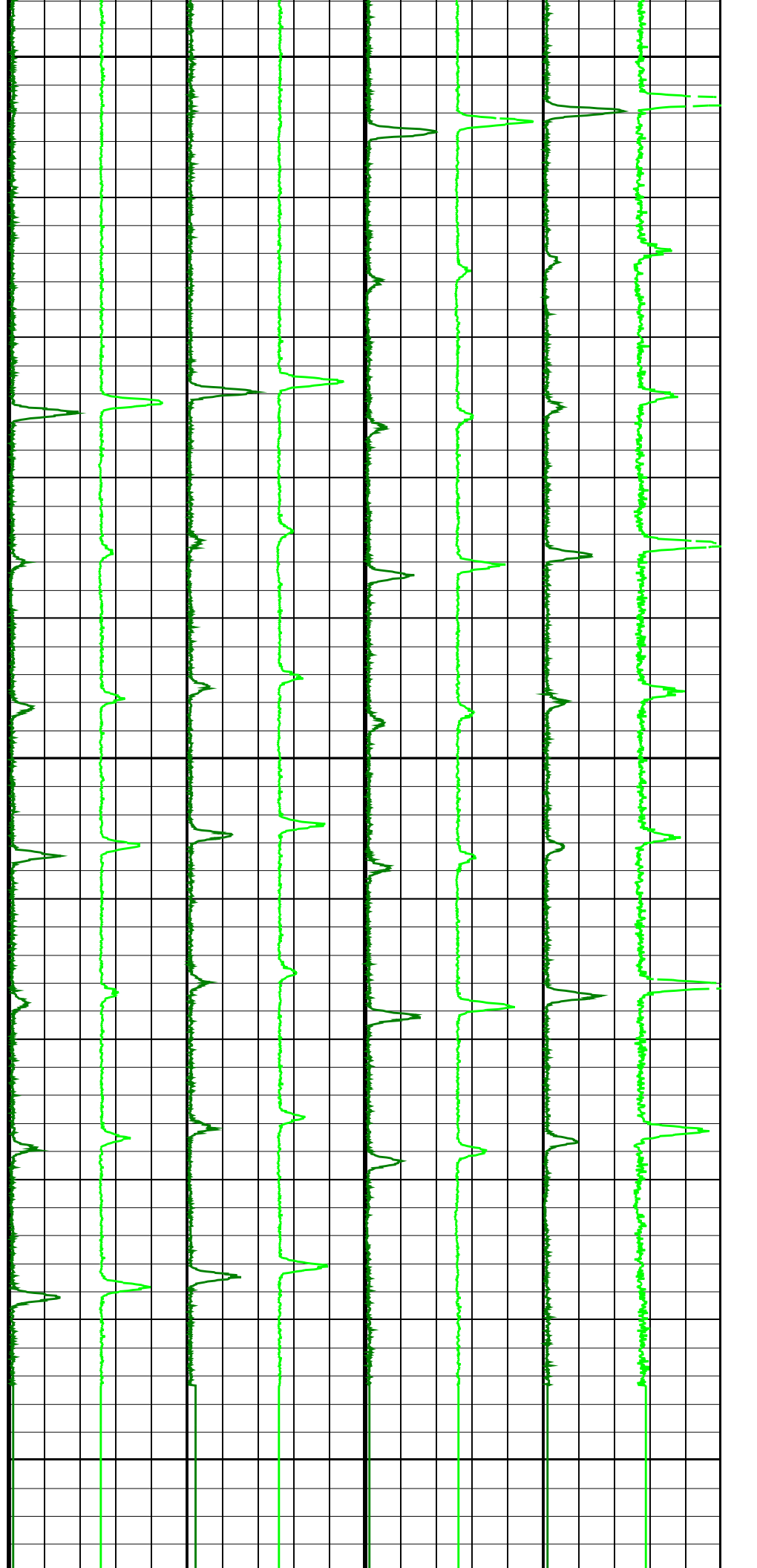
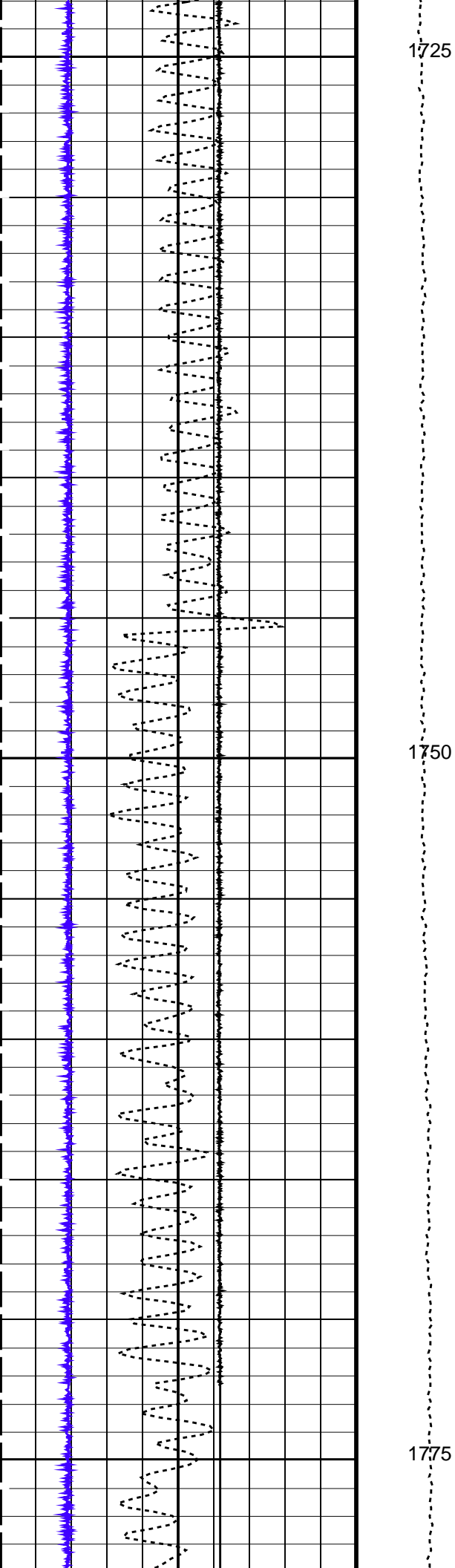
OP System Version: 19C2-270

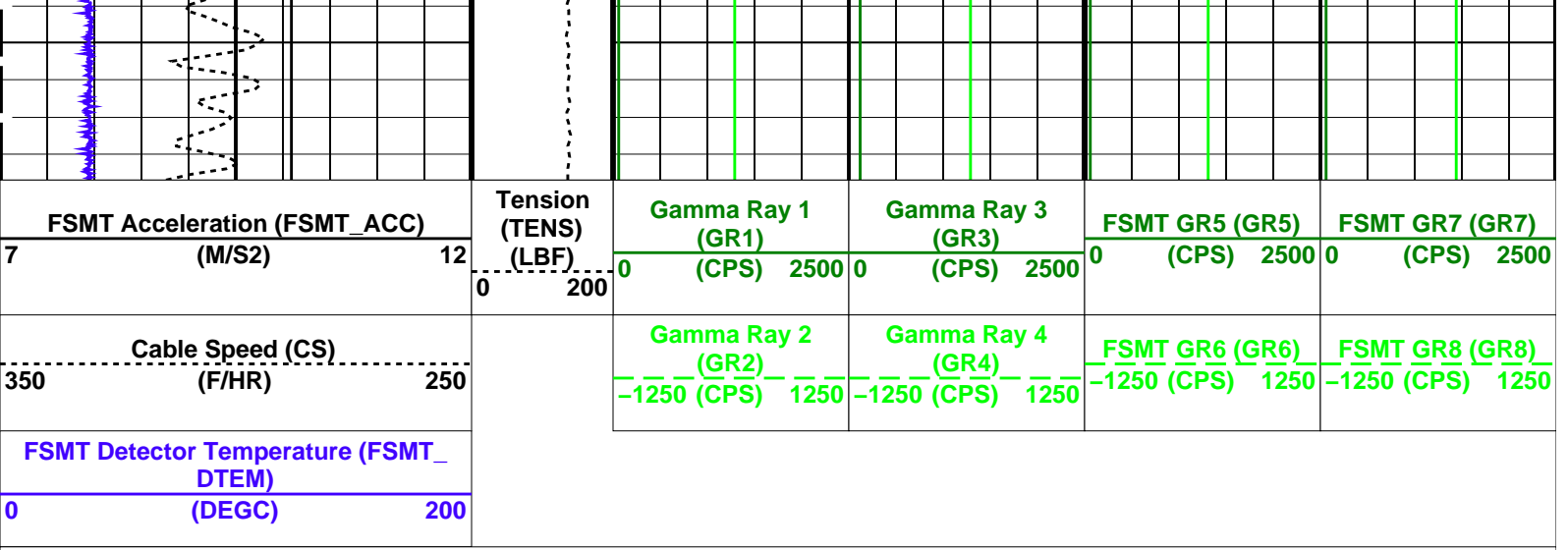
FSMT-E	SRPC-FSMTE-JUNE_2013_OP19C2H1	PSPT	19C2-270
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PIP SUMMARY

Time Mark Every 60 S







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	0.9 M
PP	Depth Offset for Playback Playback Processing	NORMAL

Format: FSMT_Basic Vertical Scale: 1:200 Graphics File Created: 02-Dec-2018 09:18

OP System Version: 19C2-270

FSMT-E SRPC-FSMTE-JUNE_2013_OP19C2H1 PSPT 19C2-270

Input DLIS Files

DEFAULT	FSMT_PSP_005LUP	FN:4	PRODUCER	02-Dec-2018 08:28	1782.8 M	1719.4 M
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Output DLIS Files

DEFAULT	FSMT_PSP_006PUP	FN:7	PRODUCER	02-Dec-2018 09:18
BACKUP	FSMT_PSP_006PUP	FN:8	PRODUCER	02-Dec-2018 09:19
CUSTOMER	FSMT_PSP_006PUC	FN:9	CUSTOMER	02-Dec-2018 09:18



ZONA 1
PASS #2

MAXIS Field Log

Company: ENI U&TS Well: Annamaria B11

Output DLIS Files

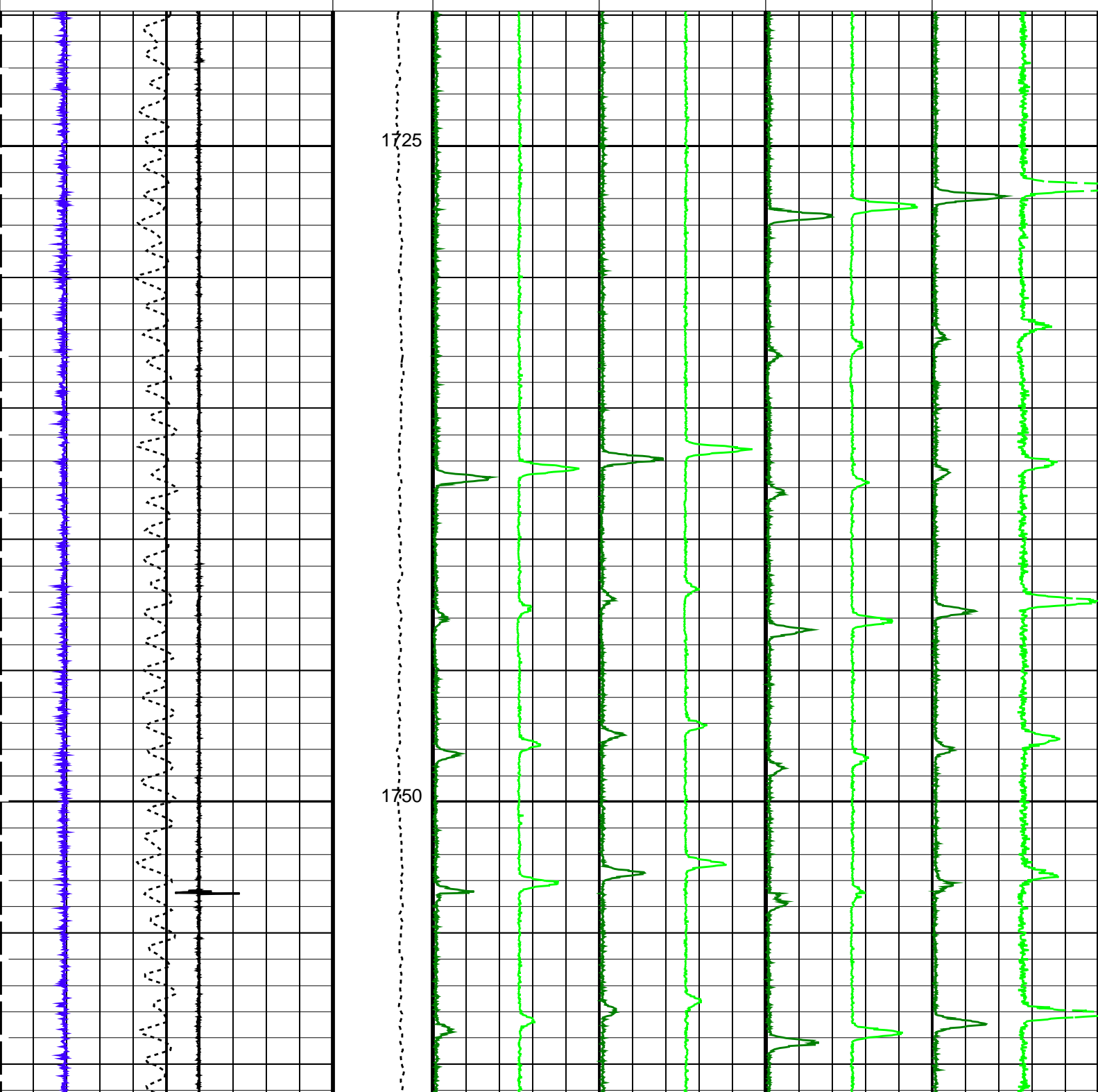
DEFAULT	FSMT_PSP_015LUP	FN:34	PRODUCER	02-Dec-2018 12:12
BACKUP	FSMT_PSP_015LUP	FN:35	PRODUCER	02-Dec-2018 12:13
CUSTOMER	FSMT_PSP_015LUC	FN:36	CUSTOMER	02-Dec-2018 12:12

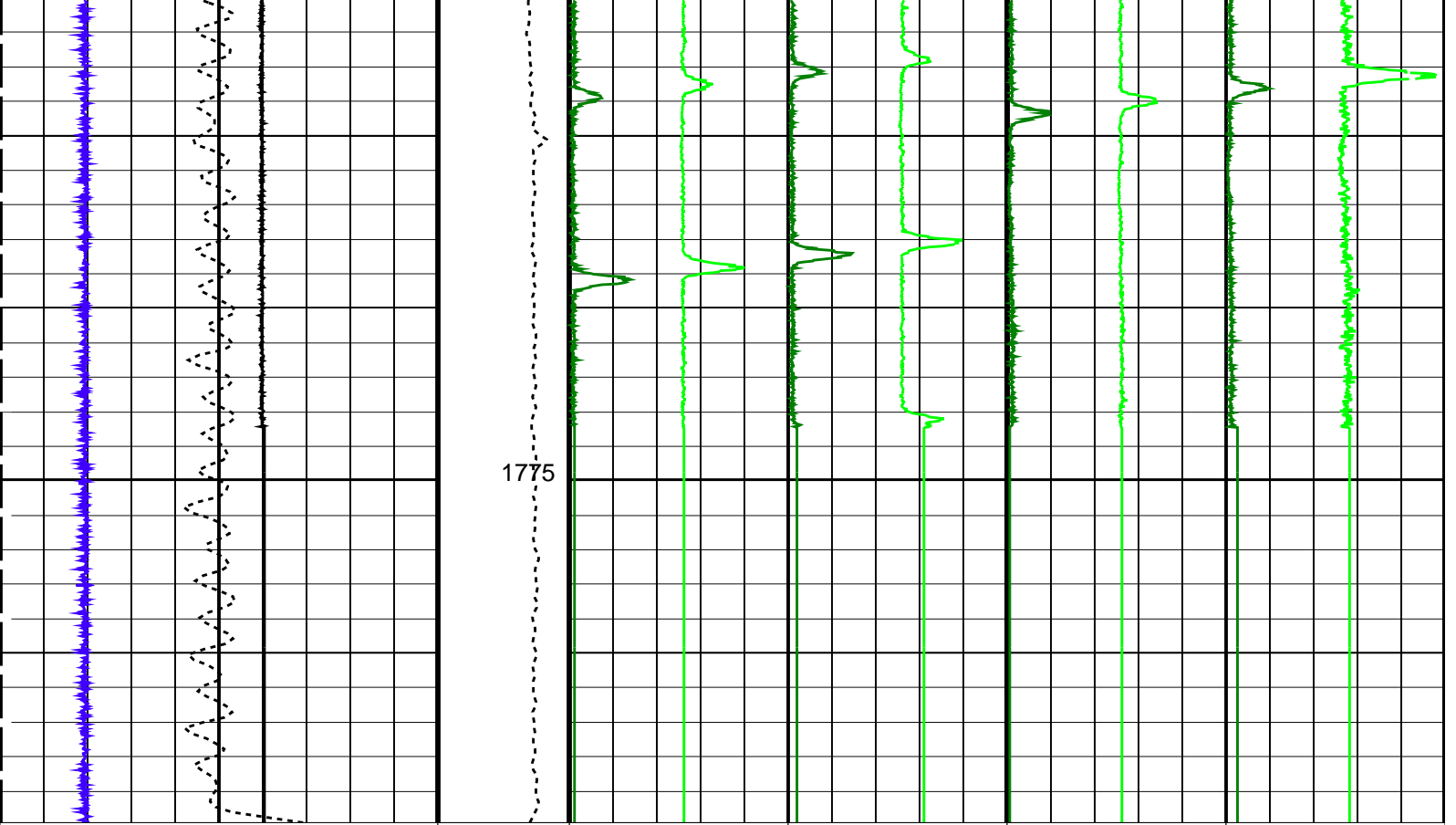
OP System Version: 19C2-270

PIP SUMMARY

Time Mark Every 60 S

FSMT Detector Temperature (FSMT_DTEM) (DEGC)		0		200	
Cable Speed (CS) (F/HR)		350		250	
FSMT Acceleration (FSMT_ACC) (M/S2)		7		12	
Tension (TENS) (LBF)		0		200	
		Gamma Ray 2 (GR2) (CPS)		Gamma Ray 4 (GR4) (CPS)	
		-1250 1250		-1250 1250	
		Gamma Ray 1 (GR1) (CPS)		Gamma Ray 3 (GR3) (CPS)	
		0 2500		0 2500	
		FSMT GR6 (GR6) (CPS)		FSMT GR8 (GR8) (CPS)	
		-1250 1250		-1250 1250	
		FSMT GR5 (GR5) (CPS)		FSMT GR7 (GR7) (CPS)	
		0 2500		0 2500	





FSMT Acceleration (FSMT_ACC) (M/S ²)	7	12	Tension (TENS) (LBF)	0	200	Gamma Ray 1 (GR1) (CPS)	0	2500	Gamma Ray 3 (GR3) (CPS)	0	2500	FSMT GR5 (GR5) (CPS)	0	2500	FSMT GR7 (GR7) (CPS)	0	2500
Cable Speed (CS) (F/HR)	350	250				Gamma Ray 2 (GR2) (CPS)	-1250	1250	Gamma Ray 4 (GR4) (CPS)	-1250	1250	FSMT GR6 (GR6) (CPS)	-1250	1250	FSMT GR8 (GR8) (CPS)	-1250	1250
FSMT Detector Temperature (FSMT_DTEM) (DEGC)	0	200															

PIP SUMMARY

Time Mark Every 60 S

Format: FSMT_Basic Vertical Scale: 1:200

Graphics File Created: 02-Dec-2018 12:12

OP System Version: 19C2-270

FSMT-E SRPC-FSMTE-JUNE_2013_OP19C2H1 PSPT 19C2-270

Output DLIS Files

DEFAULT	FSMT_PSP_015LUP	FN:34	PRODUCER	02-Dec-2018 12:12
BACKUP	FSMT_PSP_015LUP	FN:35	PRODUCER	02-Dec-2018 12:13
CUSTOMER	FSMT_PSP_015LUC	FN:36	CUSTOMER	02-Dec-2018 12:12



ZONA 1
PASS #3

Output DLIS Files

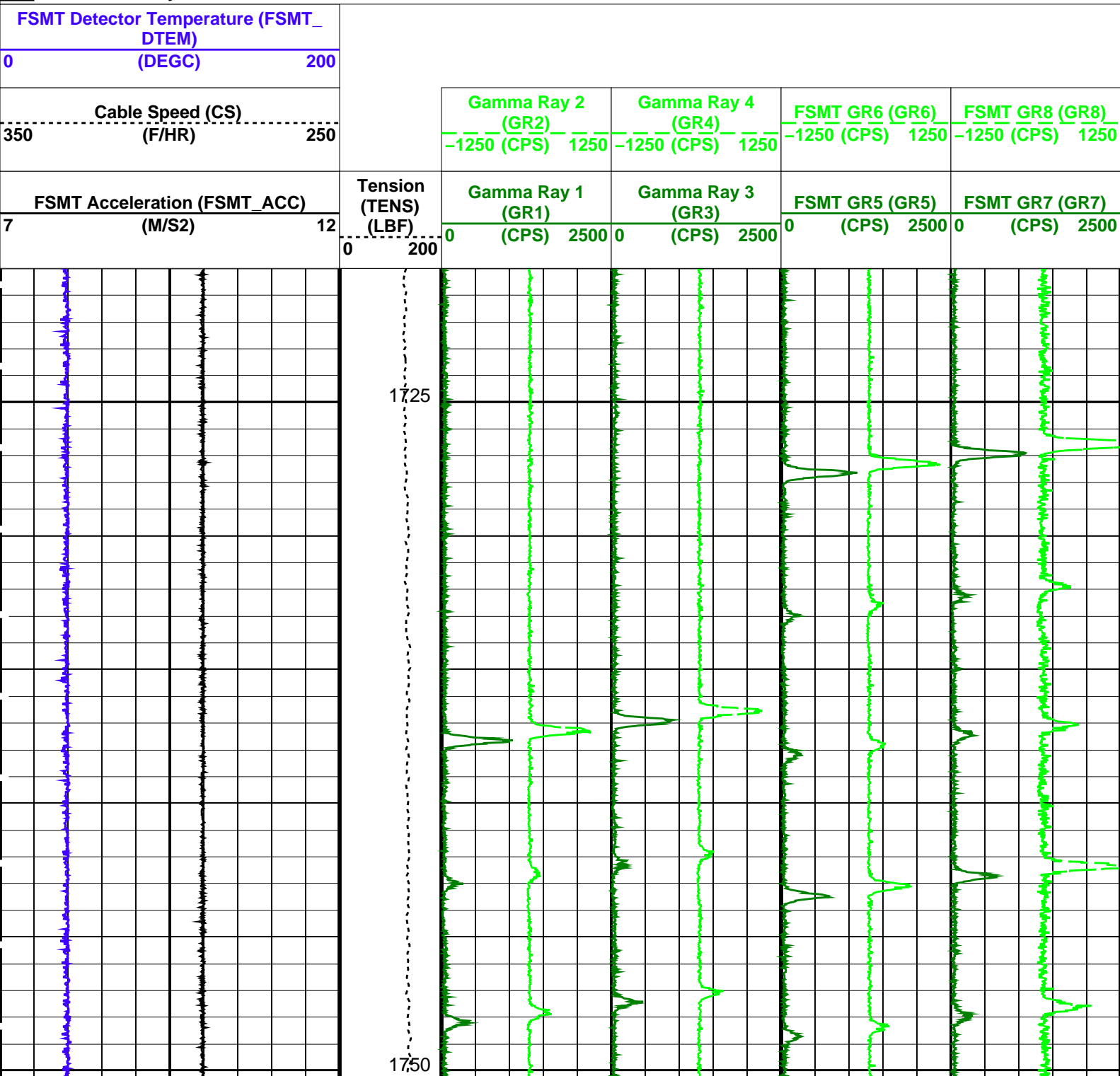
DEFAULT	FSMT_PSP_016LUP	FN:37	PRODUCER	02-Dec-2018 13:05
BACKUP	FSMT_PSP_016LUP	FN:38	PRODUCER	02-Dec-2018 13:06
CUSTOMER	FSMT_PSP_016LUC	FN:39	CUSTOMER	02-Dec-2018 13:05

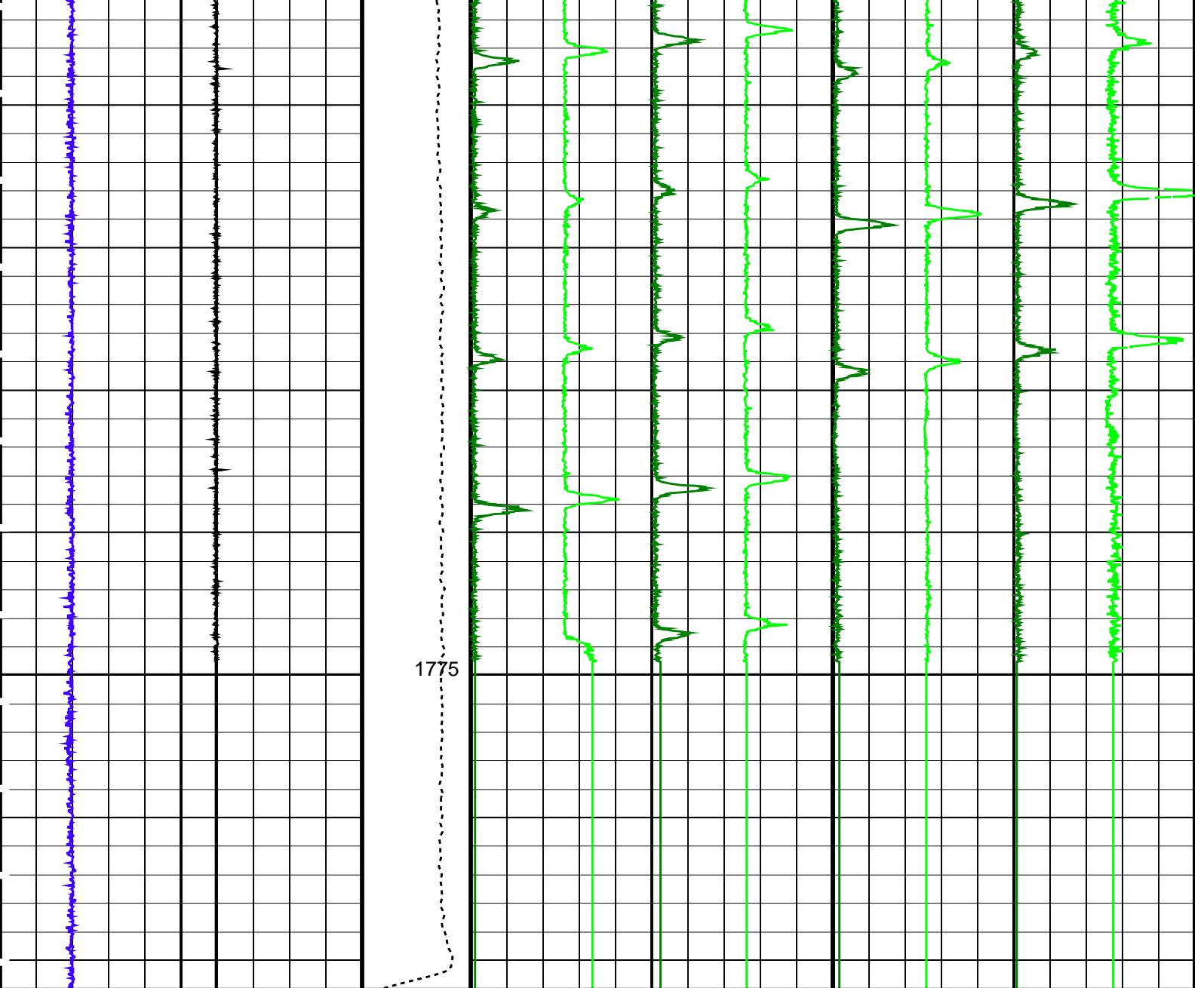
OP System Version: 19C2-270

FSMT-E SRPC-FSMTE-JUNE_2013_OP19C2H1 PSPT 19C2-270

PIP SUMMARY

Time Mark Every 60 S





FSMT Acceleration (FSMT_ACC) (M/S ²)	7	12	Tension (TENS) (LBF)	0	200	Gamma Ray 1 (GR1) (CPS)	0	2500	Gamma Ray 3 (GR3) (CPS)	0	2500	FSMT GR5 (GR5) (CPS)	0	2500	FSMT GR7 (GR7) (CPS)	0	2500
Cable Speed (CS) (F/HR)	350	250				Gamma Ray 2 (GR2) (CPS)	-1250	1250	Gamma Ray 4 (GR4) (CPS)	-1250	1250	FSMT GR6 (GR6) (CPS)	-1250	1250	FSMT GR8 (GR8) (CPS)	-1250	1250
FSMT Detector Temperature (FSMT_DTEM) (DEGC)	0	200															

PIP SUMMARY

Time Mark Every 60 S
 Format: FSMT_Basic Vertical Scale: 1:200 Graphics File Created: 02-Dec-2018 13:05

OP System Version: 19C2-270

FSMT-E SRPC-FSMTE-JUNE_2013_OP19C2H1 PSPT 19C2-270

Output DLIS Files

DEFAULT	FSMT_PSP_016LUP	FN:37	PRODUCER	02-Dec-2018 13:05
BACKUP	FSMT_PSP_016LUP	FN:38	PRODUCER	02-Dec-2018 13:06



ZONA 2 PASS #1

MAXIS Field Log

Company: ENI U&TS Well: Annamaria B11

Input DLIS Files

DEFAULT	FSMT_PSP_028LUP	FN:69	PRODUCER	03-Dec-2018 07:58	1515.0 M	1039.5 M
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Output DLIS Files

DEFAULT	FSMT_PSP_029PUP	FN:72	PRODUCER	03-Dec-2018 13:12	1515.3 M	1039.8 M
BACKUP	FSMT_PSP_029PUP	FN:73	PRODUCER	03-Dec-2018 13:13	1515.3 M	1039.8 M
CUSTOMER	FSMT_PSP_029PUC	FN:74	CUSTOMER	03-Dec-2018 13:12	1515.3 M	1039.8 M

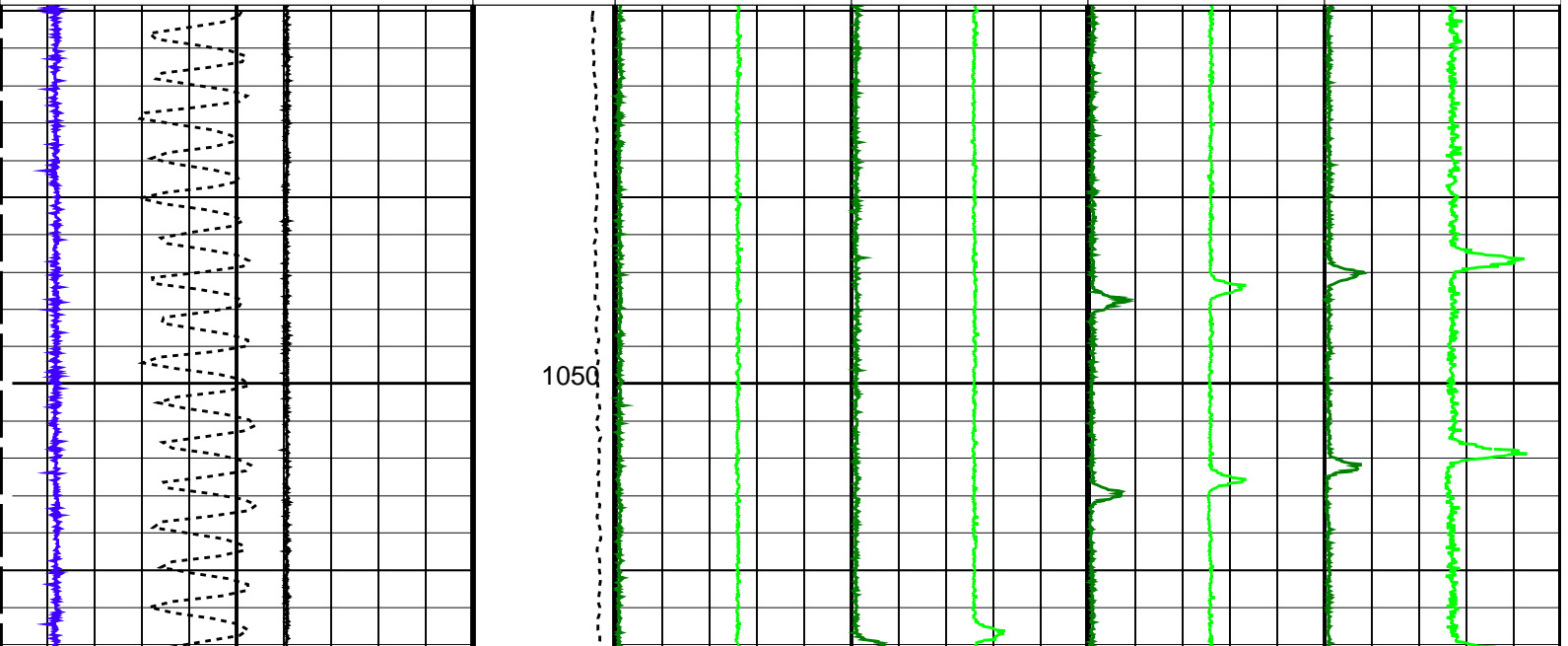
OP System Version: 19C2-270

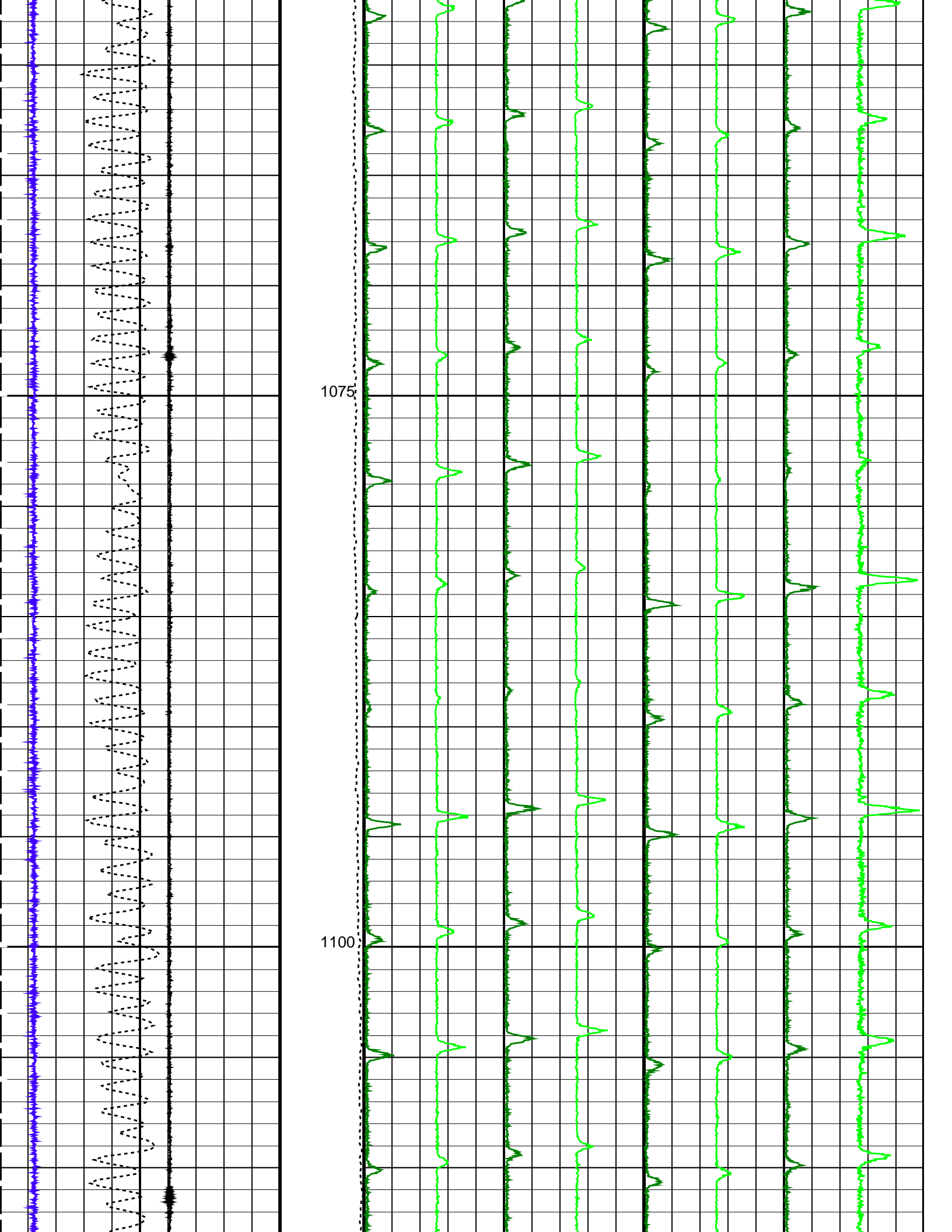
FSMT-E	SRPC-FSMTE-JUNE_2013_OP19C2H1	PSPT	19C2-270
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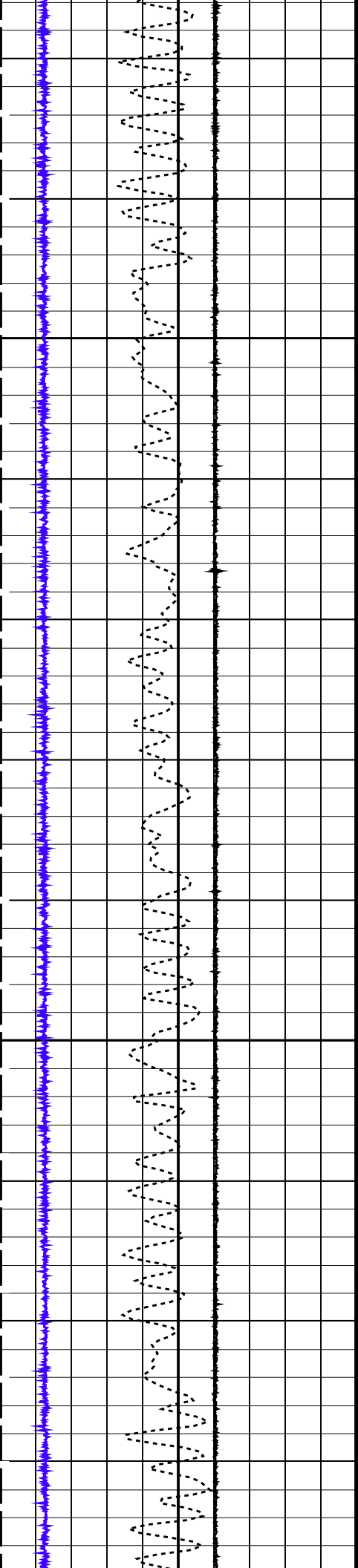
PIP SUMMARY

Time Mark Every 60 S

<p>FSMT Detector Temperature (FSMT_DTEM) (DEGC) 200</p> <hr/> <p>Cable Speed (CS) (F/HR) 250</p> <hr/> <p>FSMT Acceleration (FSMT_ACC) (M/S2) 12</p>	<p>Tension (TENS) (LBF) 200</p>	<p>Gamma Ray 2 (GR2) (CPS) 1250</p>	<p>Gamma Ray 4 (GR4) (CPS) 1250</p>	<p>FSMT GR6 (GR6) (CPS) 1250</p>	<p>FSMT GR8 (GR8) (CPS) 1250</p>
<p>Gamma Ray 1 (GR1) (CPS) 2500</p>	<p>Gamma Ray 3 (GR3) (CPS) 2500</p>	<p>FSMT GR5 (GR5) (CPS) 2500</p>	<p>FSMT GR7 (GR7) (CPS) 2500</p>		

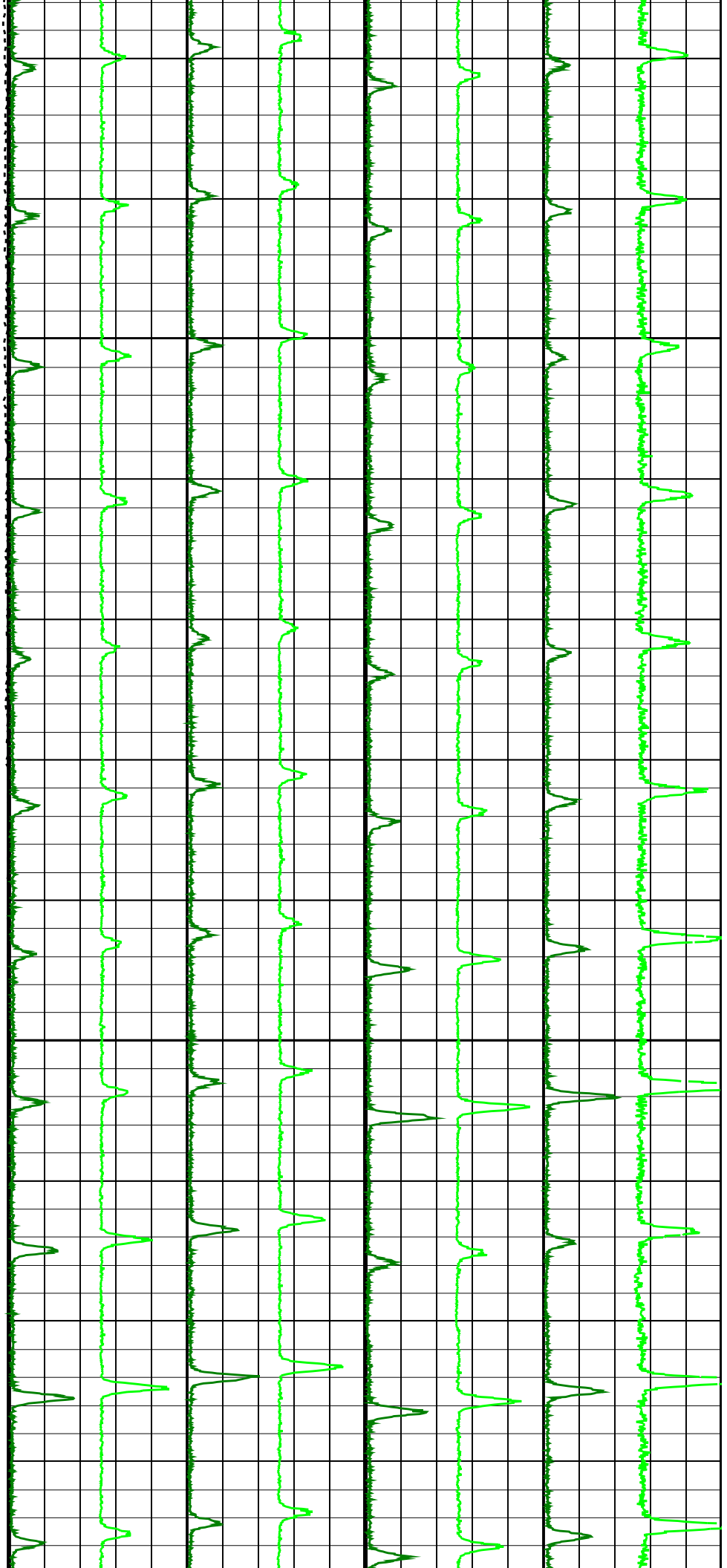


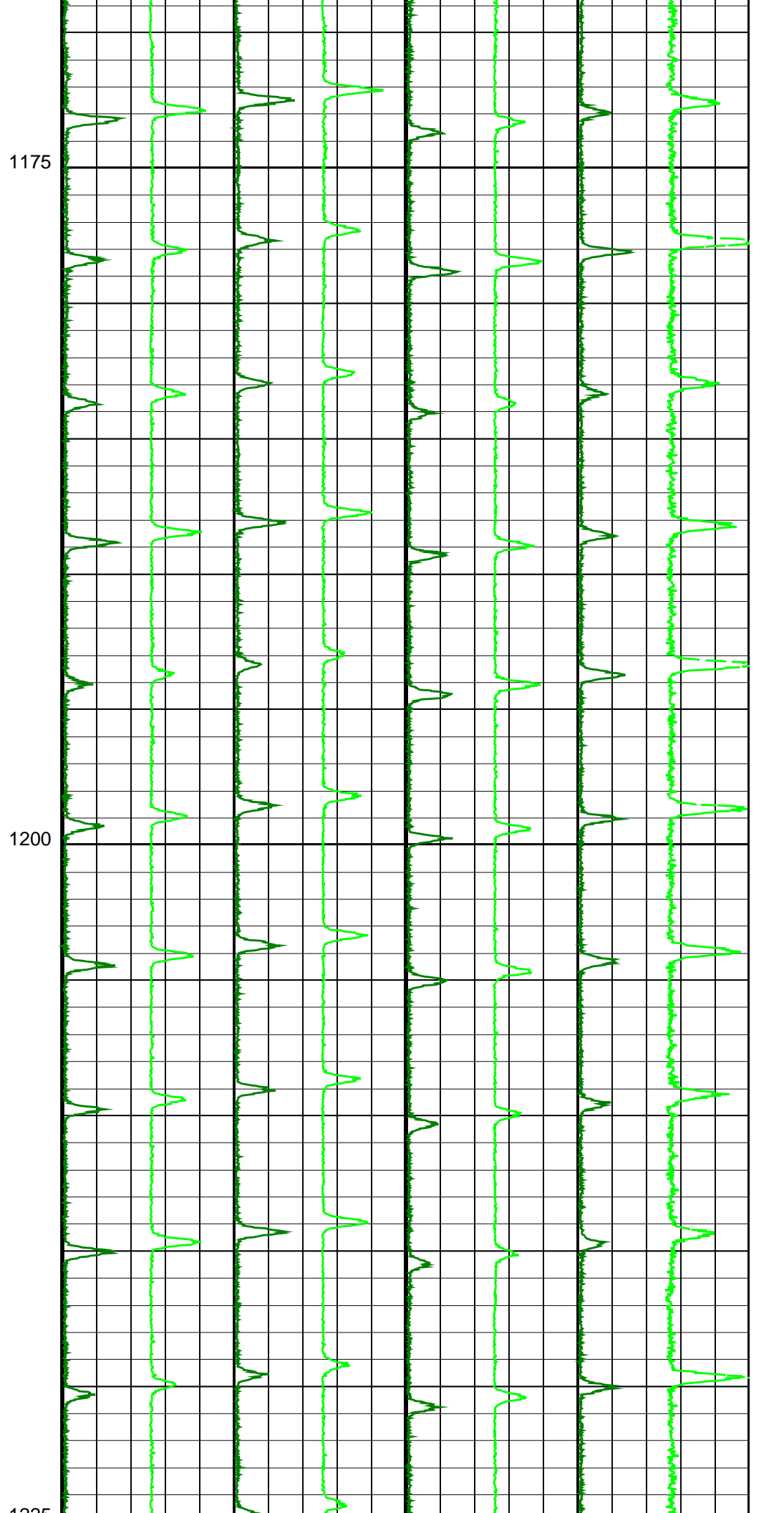
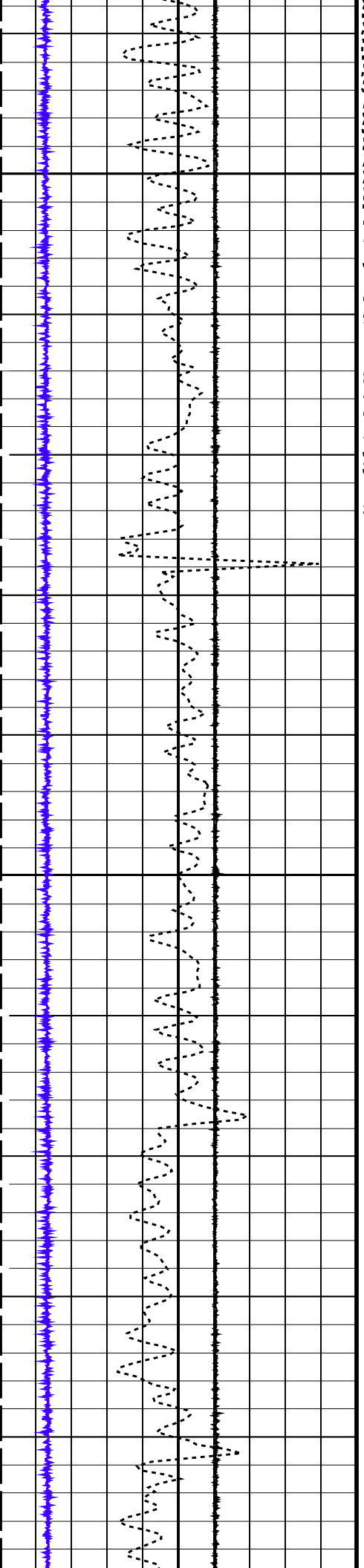


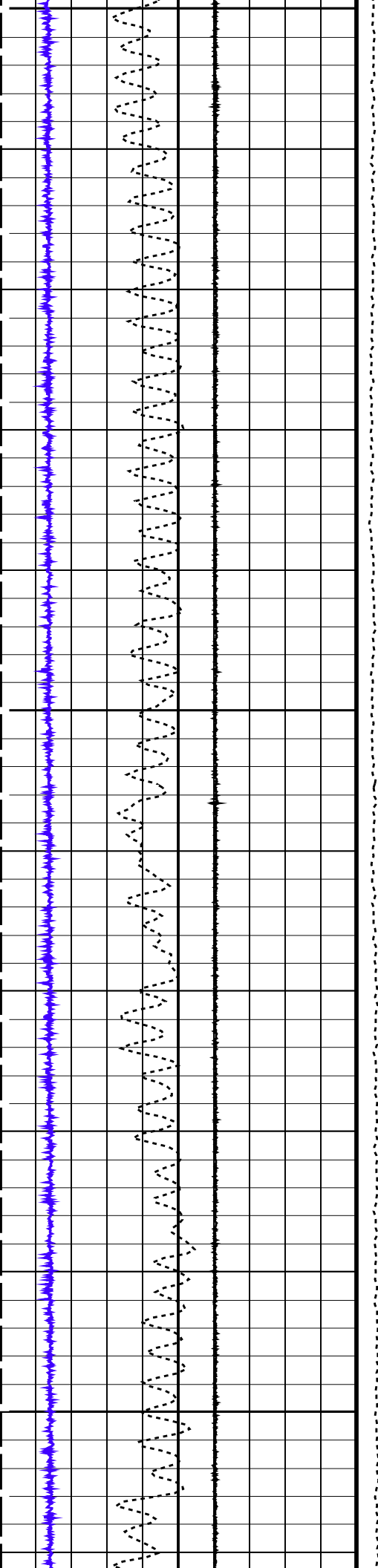


1125

1150



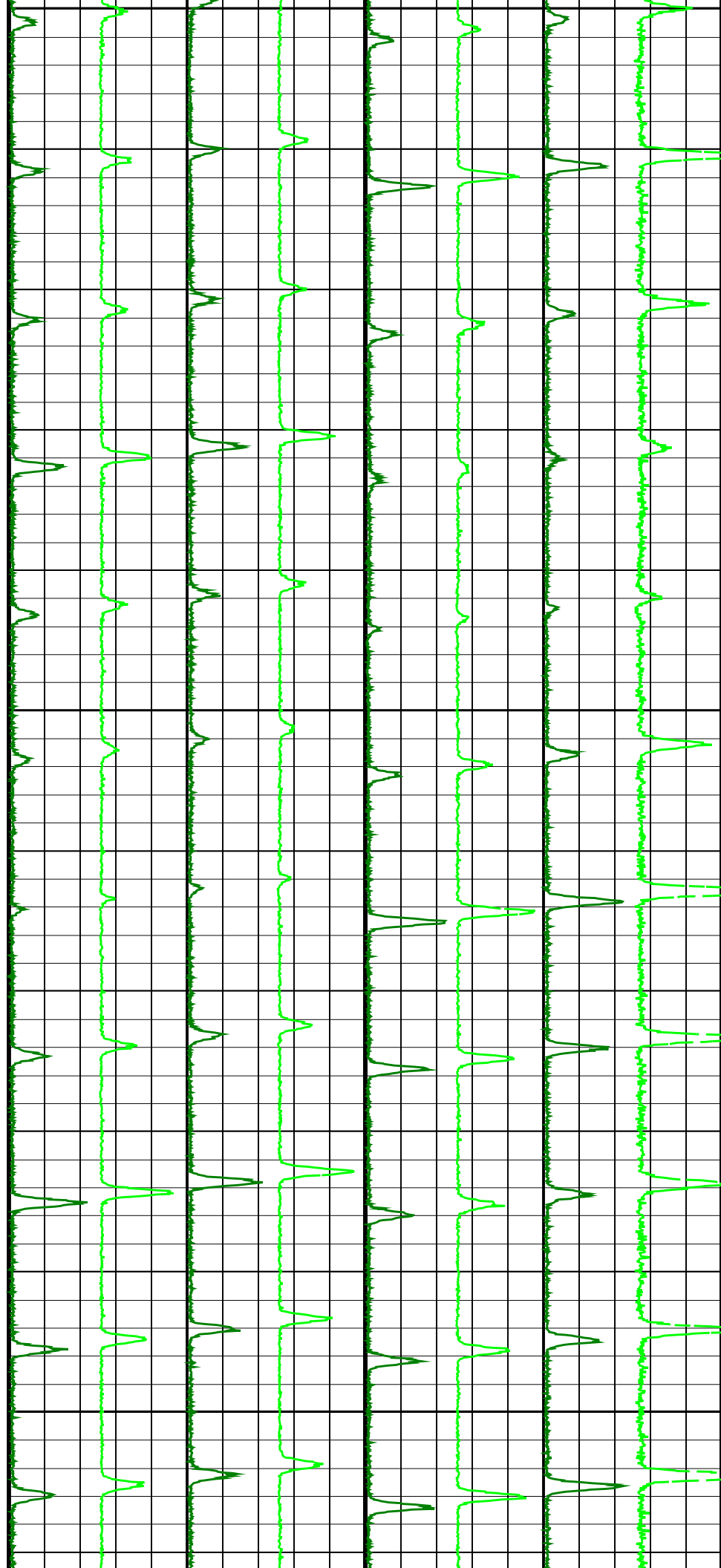


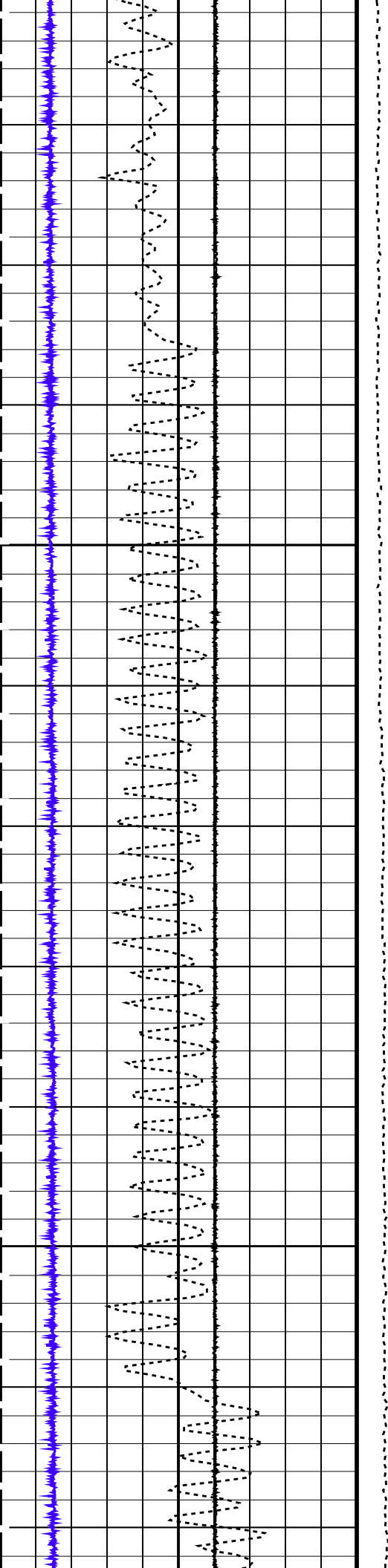


1225

1250

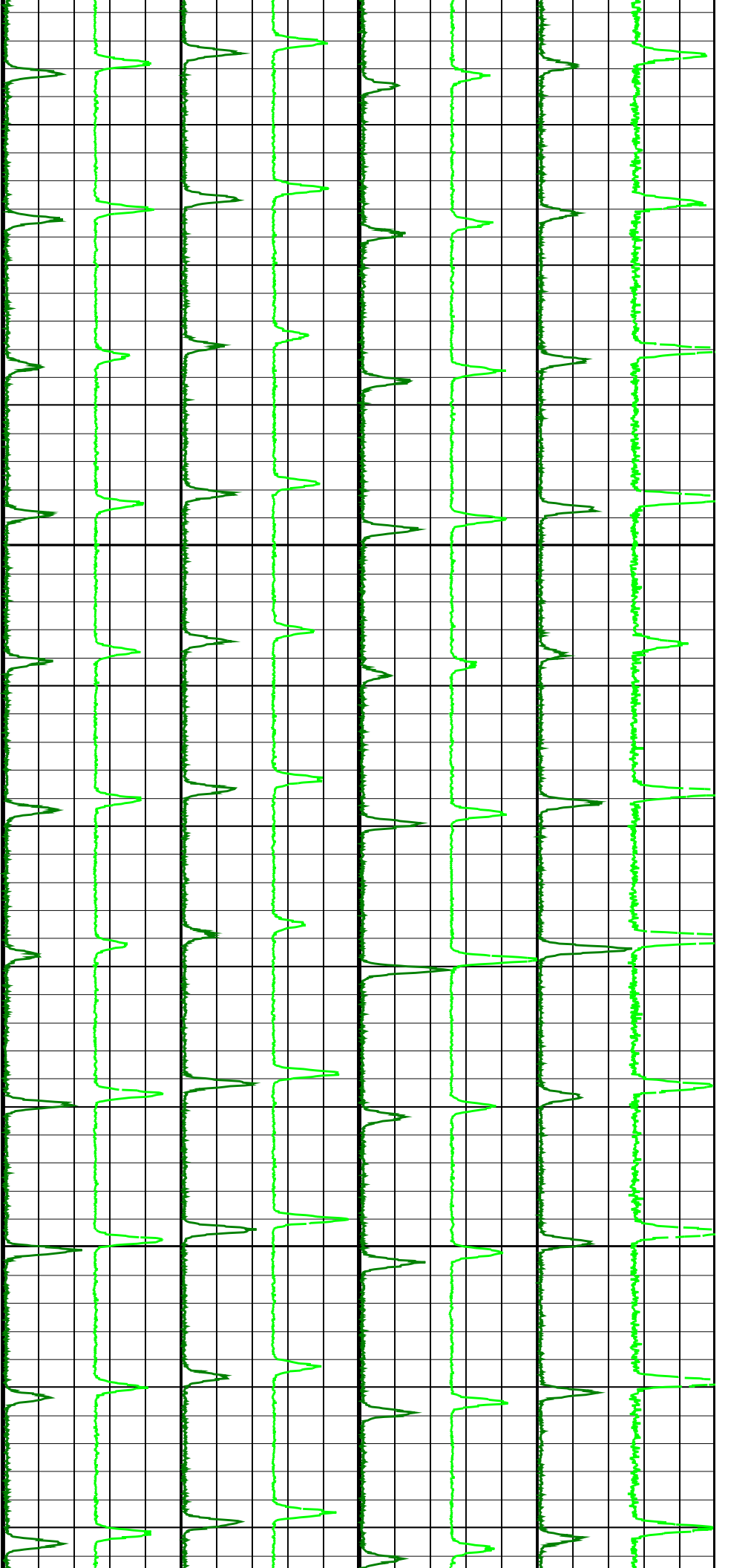
1275

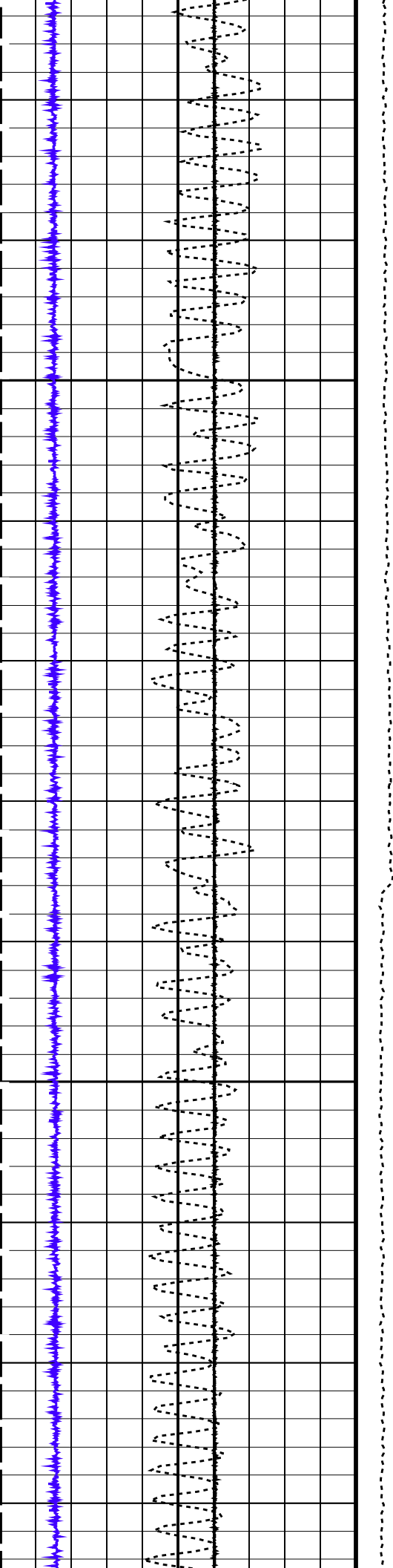




1300

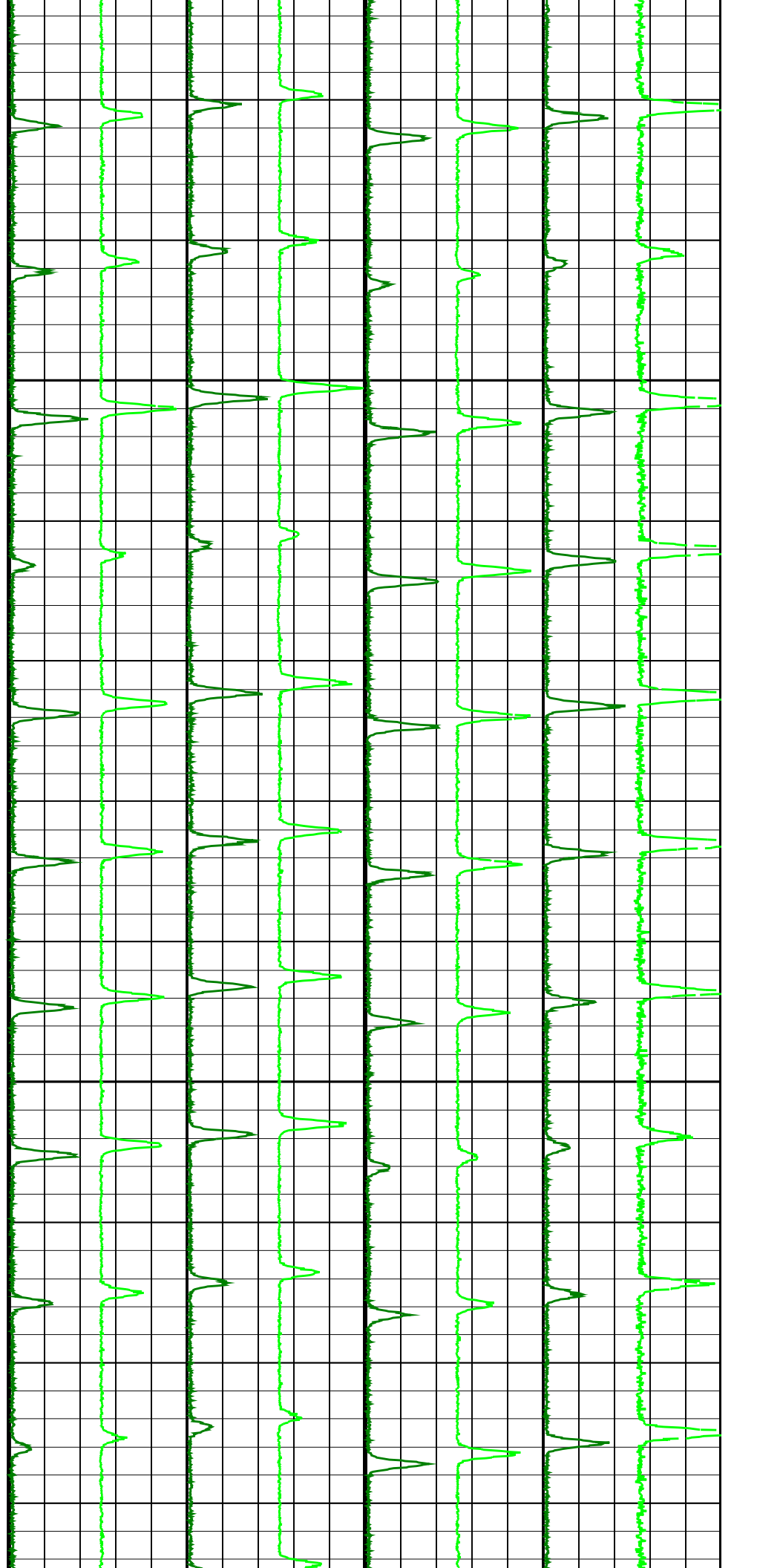
1325

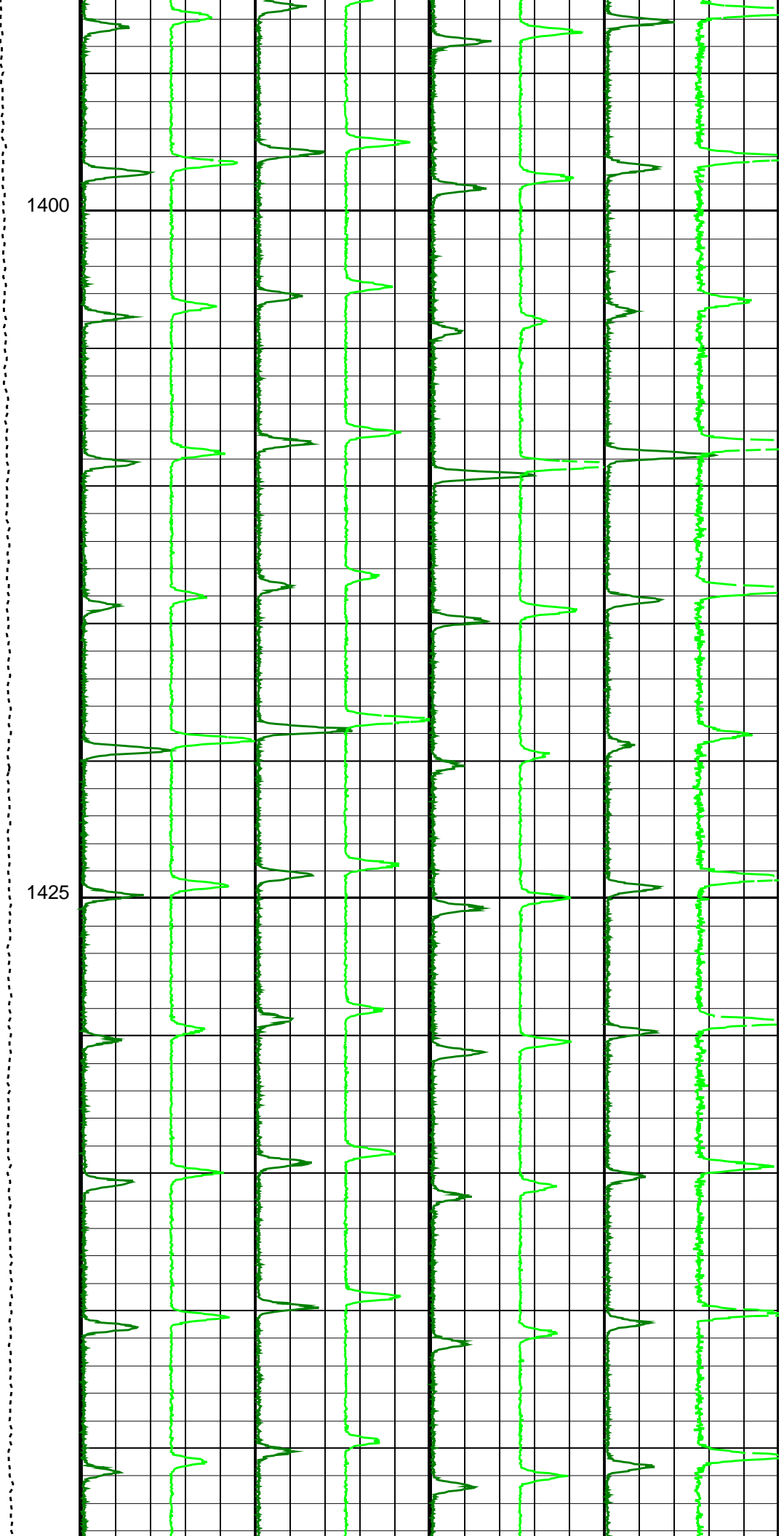
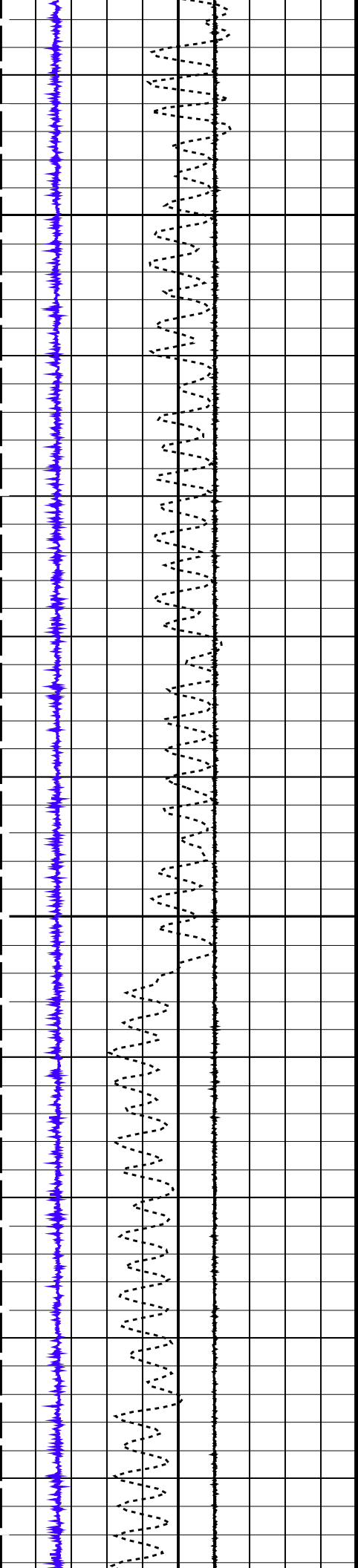


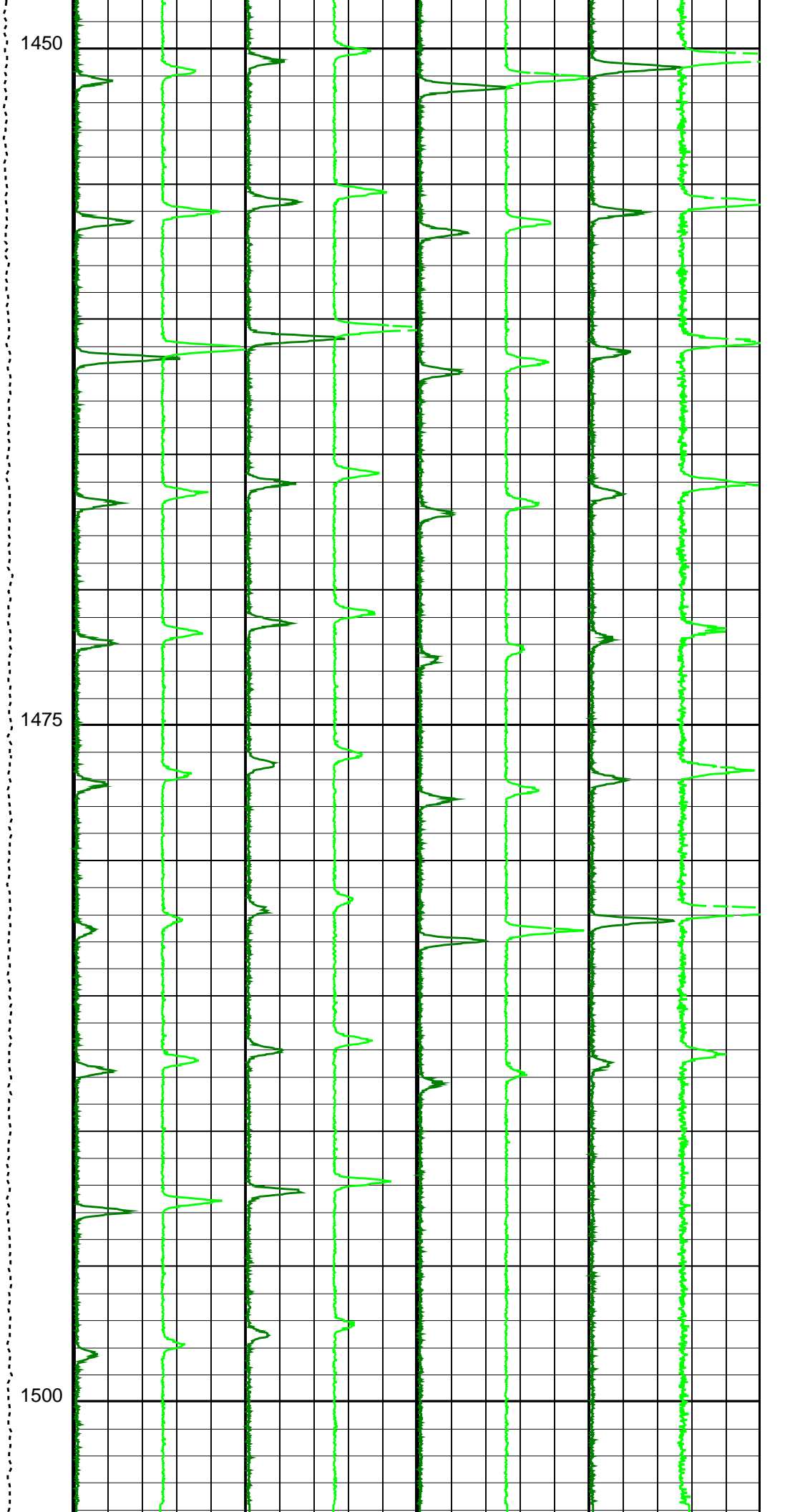
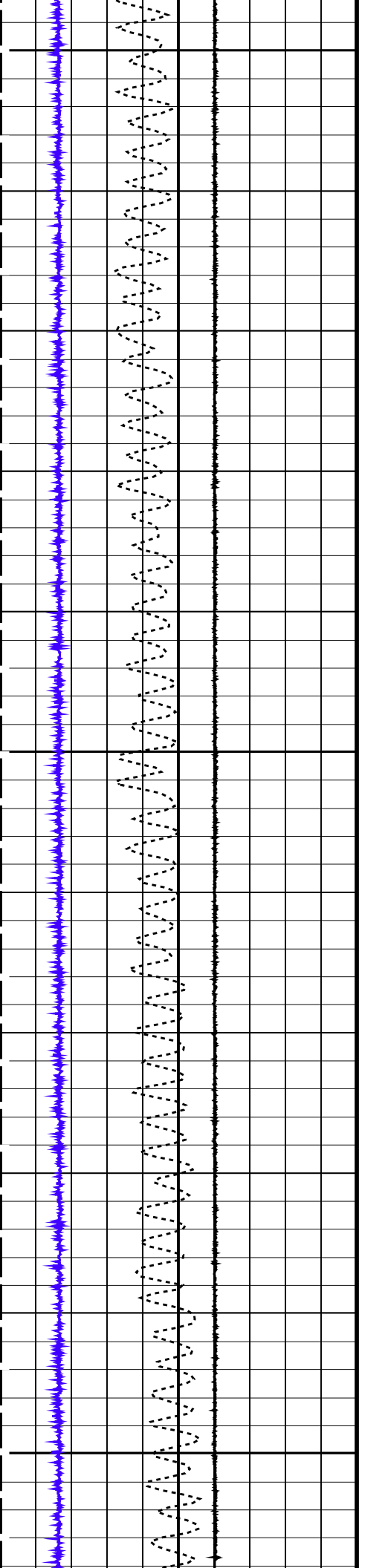


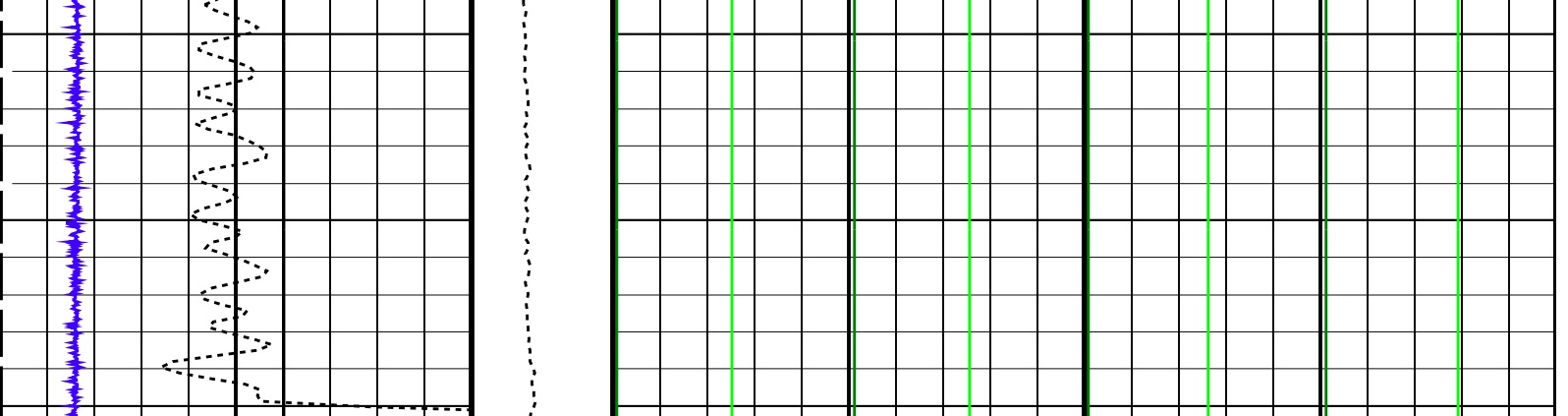
1350

1375









FSMT Acceleration (FSMT_ACC) (M/S2)	7 12	Tension (TENS) (LBF)	0 200	Gamma Ray 1 (GR1) (CPS) 2500	Gamma Ray 3 (GR3) (CPS) 2500	FSMT GR5 (GR5) (CPS) 2500	FSMT GR7 (GR7) (CPS) 2500
Cable Speed (CS) (F/HR)	350 250			Gamma Ray 2 (GR2) (CPS) 1250	Gamma Ray 4 (GR4) (CPS) 1250	FSMT GR6 (GR6) (CPS) 1250	FSMT GR8 (GR8) (CPS) 1250
FSMT Detector Temperature (FSMT_DTEM) (DEGC)	0 200						

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	
PP	Depth Offset for Playback	0.3 M
	Playback Processing	NORMAL

Format: FSMT_Basic Vertical Scale: 1:200

Graphics File Created: 03-Dec-2018 13:12

OP System Version: 19C2-270

FSMT-E	SRPC-FSMTE-JUNE_2013_OP19C2H1	PSPT	19C2-270
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Input DLIS Files

DEFAULT	FSMT_PSP_028LUP	FN:69	PRODUCER	03-Dec-2018 07:58	1515.0 M	1039.5 M
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Output DLIS Files

DEFAULT	FSMT_PSP_029PUP	FN:72	PRODUCER	03-Dec-2018 13:12		
BACKUP	FSMT_PSP_029PUP	FN:73	PRODUCER	03-Dec-2018 13:13		
CUSTOMER	FSMT_PSP_029PUC	FN:74	CUSTOMER	03-Dec-2018 13:12		



ZONA 2
PASS #2

MAXIS Field Log

Output DLIS Files

DEFAULT	FSMT_PSP_030LUP	FN:75	PRODUCER	03-Dec-2018 13:33
BACKUP	FSMT_PSP_030LUP	FN:76	PRODUCER	03-Dec-2018 13:34
CUSTOMER	FSMT_PSP_030LUC	FN:77	CUSTOMER	03-Dec-2018 13:33

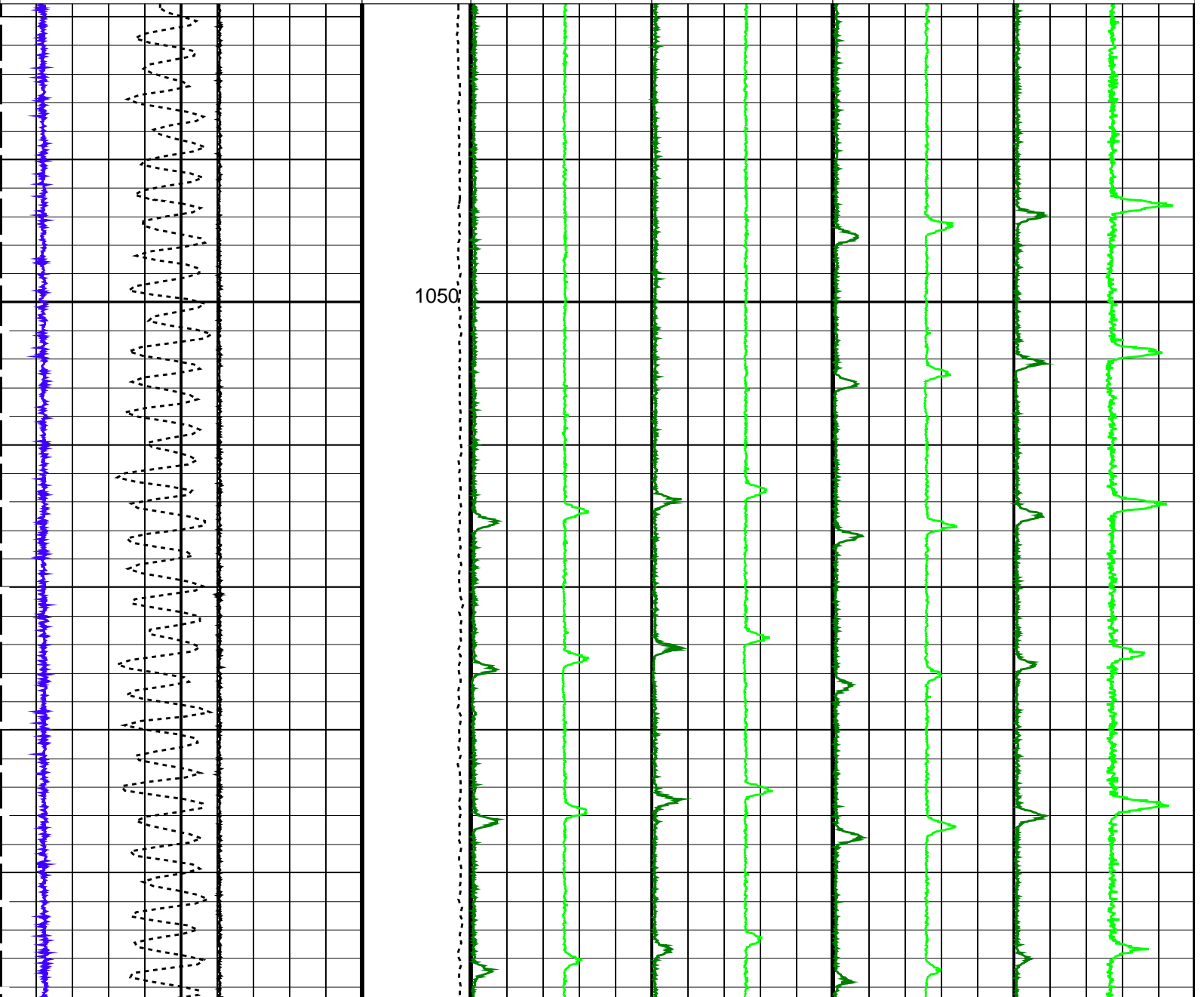
OP System Version: 19C2-270

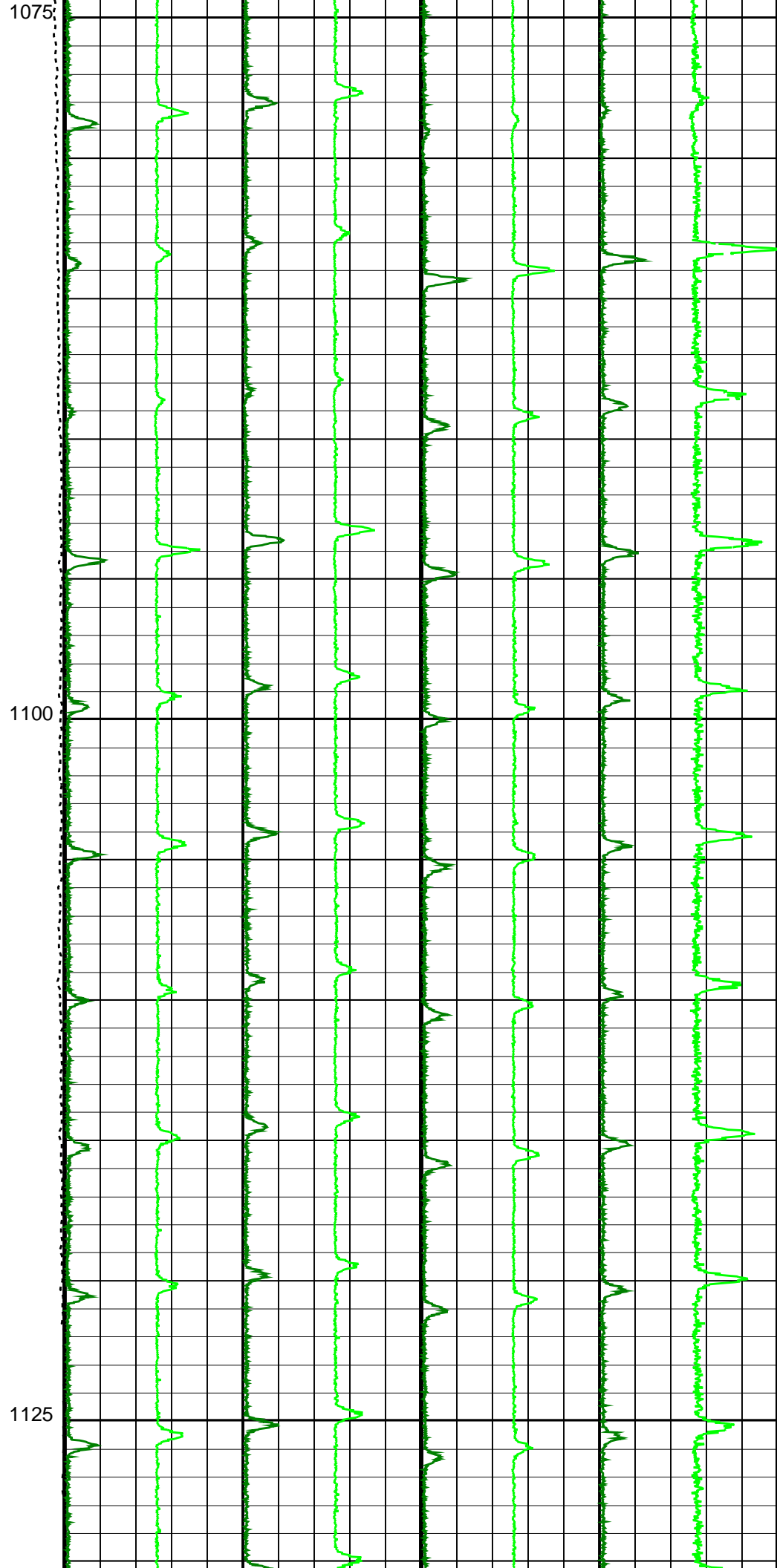
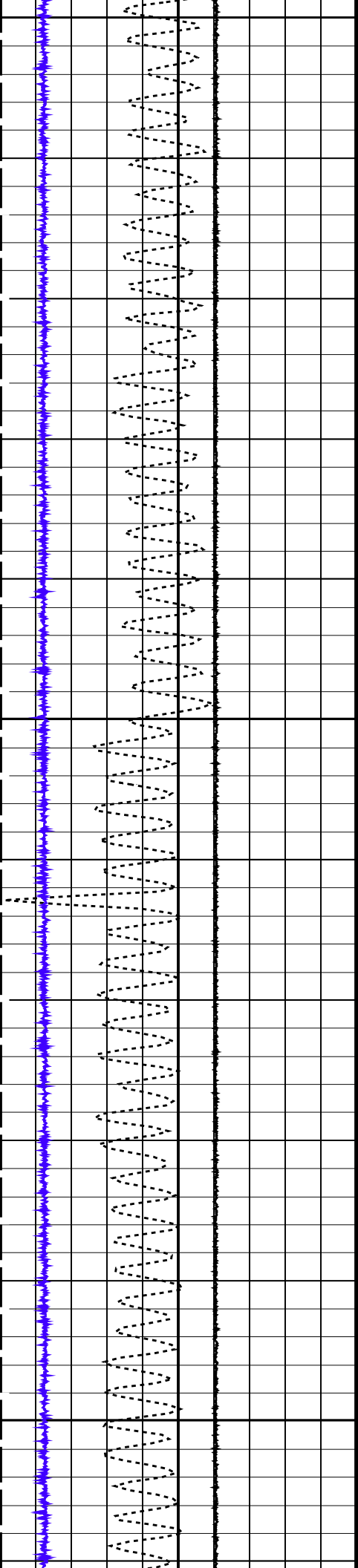
FSMT-E SRPC-FSMTE-JUNE_2013_OP19C2H1 PSPT 19C2-270

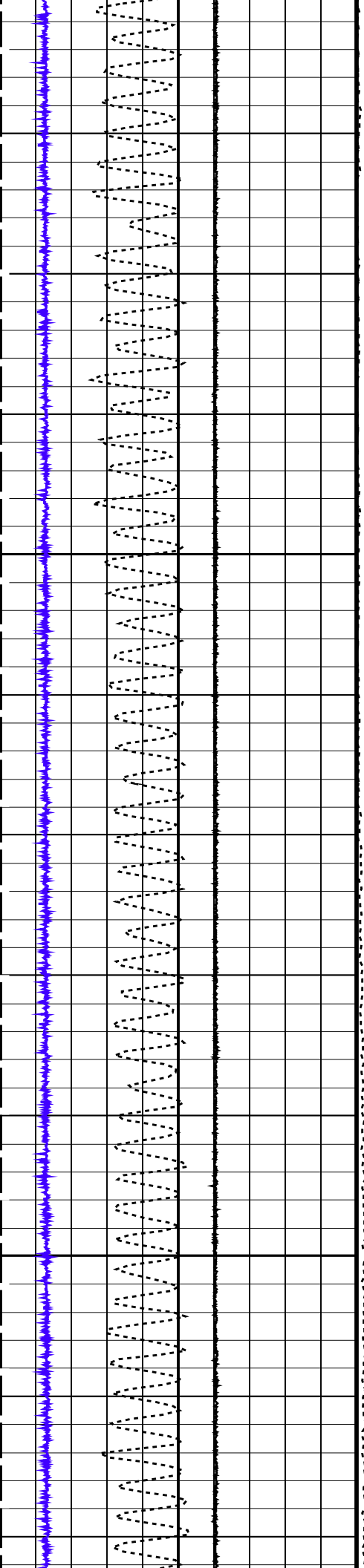
PIP SUMMARY

Time Mark Every 60 S

FSMT Detector Temperature (FSMT_DTEM) 0 (DEGC) 200					
Cable Speed (CS) 350 (F/HR) 250		Gamma Ray 2 (GR2) -1250 (CPS) 1250	Gamma Ray 4 (GR4) -1250 (CPS) 1250	FSMT GR6 (GR6) -1250 (CPS) 1250	FSMT GR8 (GR8) -1250 (CPS) 1250
FSMT Acceleration (FSMT_ACC) 7 (M/S2) 12		Gamma Ray 1 (GR1) 0 (CPS) 2500	Gamma Ray 3 (GR3) 0 (CPS) 2500	FSMT GR5 (GR5) 0 (CPS) 2500	FSMT GR7 (GR7) 0 (CPS) 2500
Tension (TENS) (LBF) 0 200					

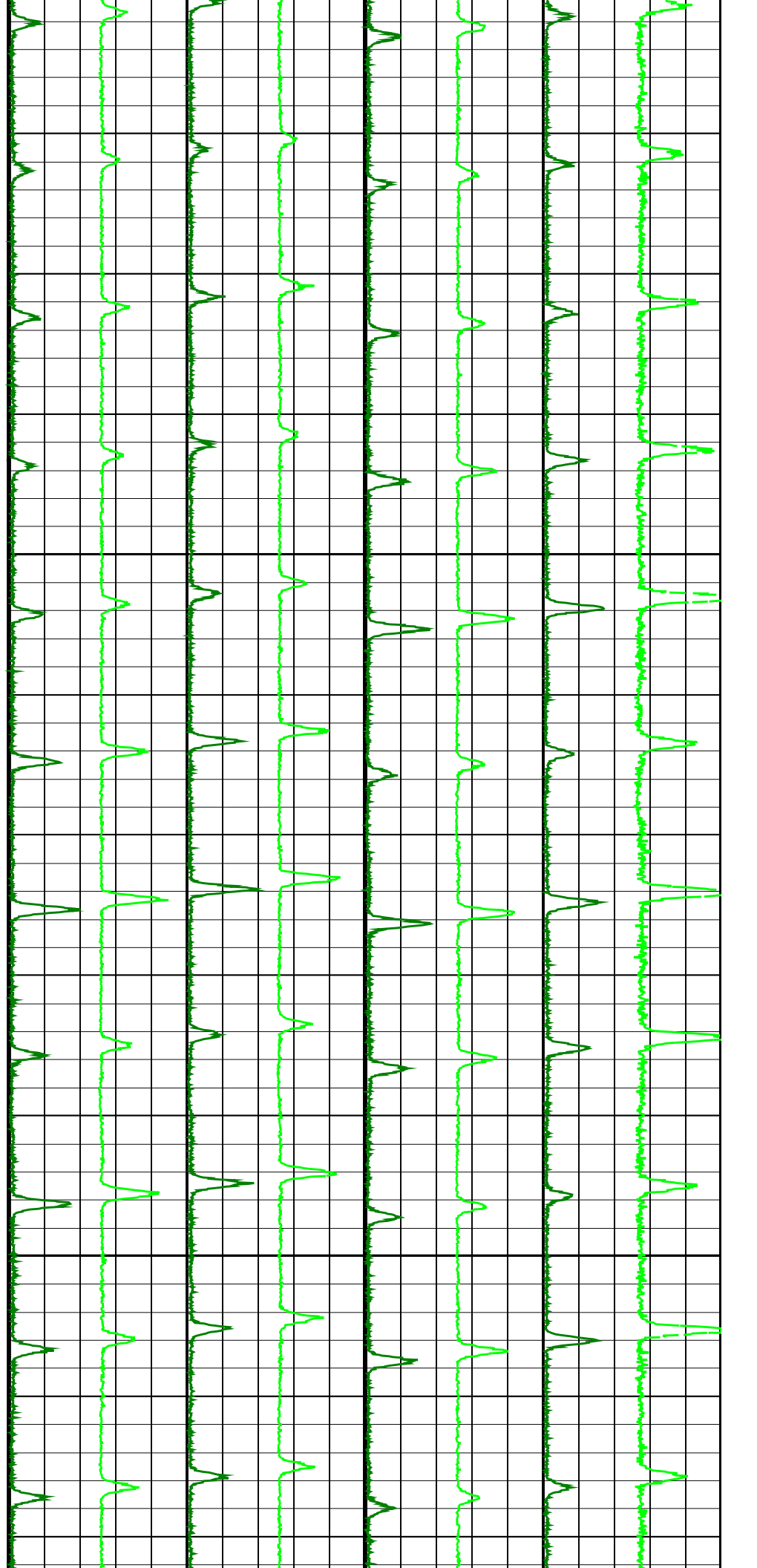


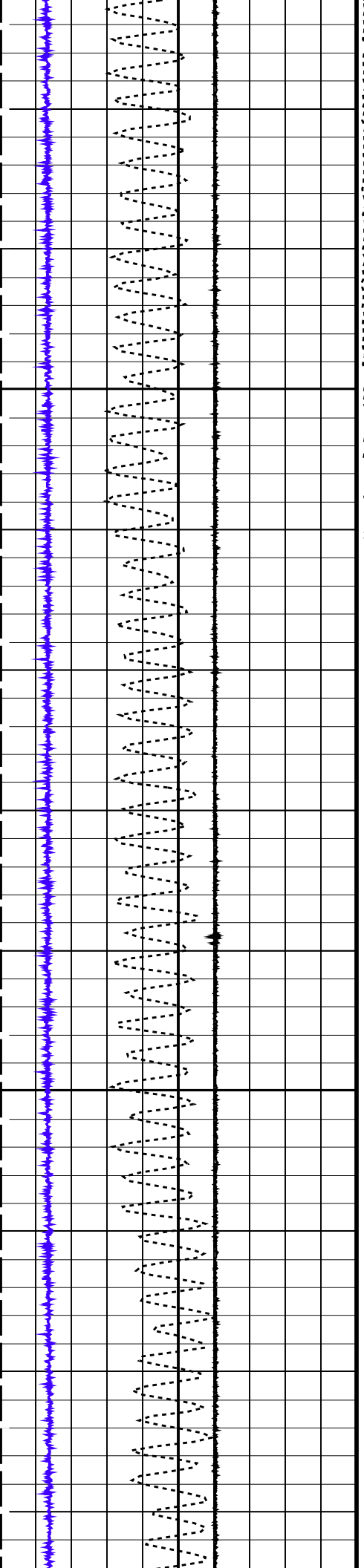




1150

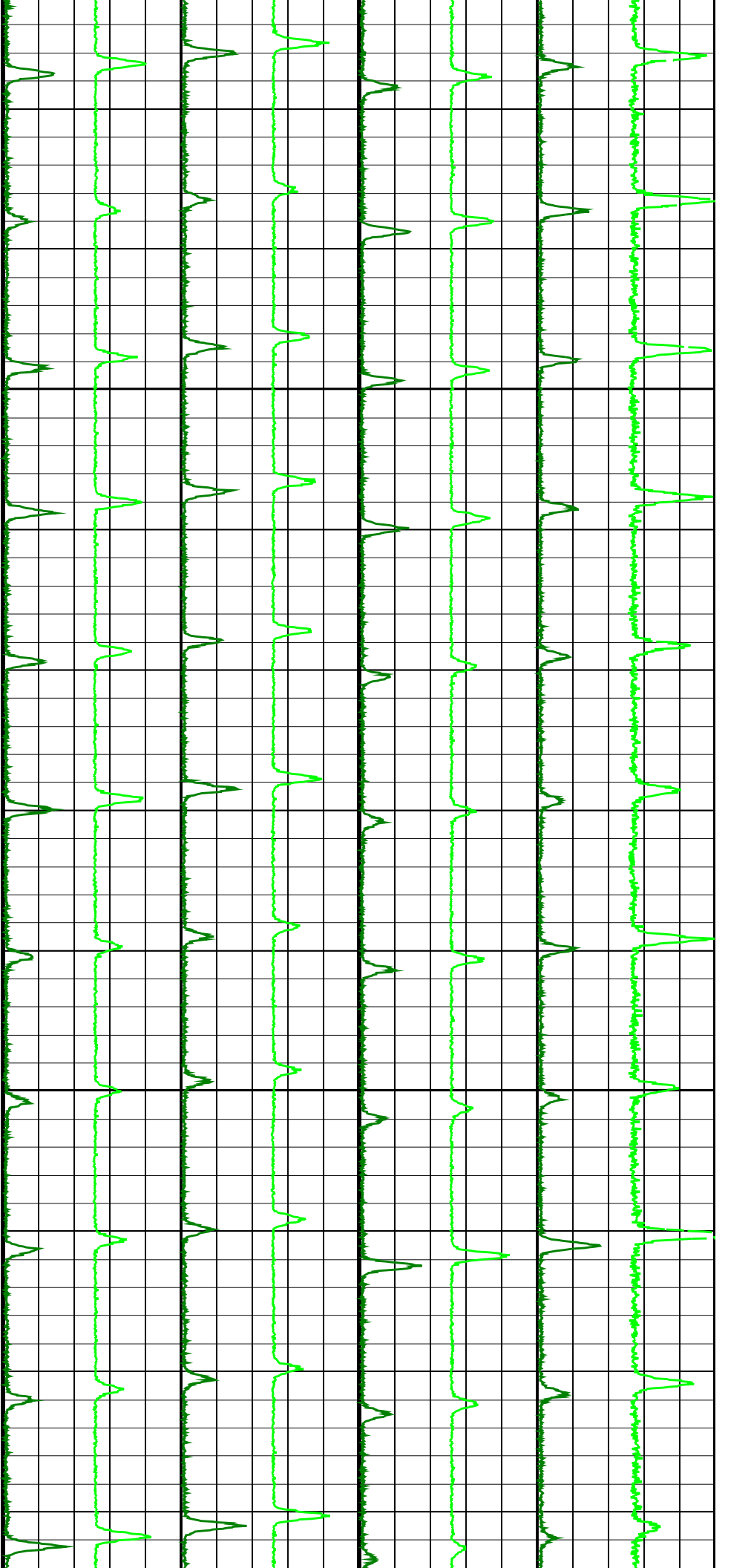
1175

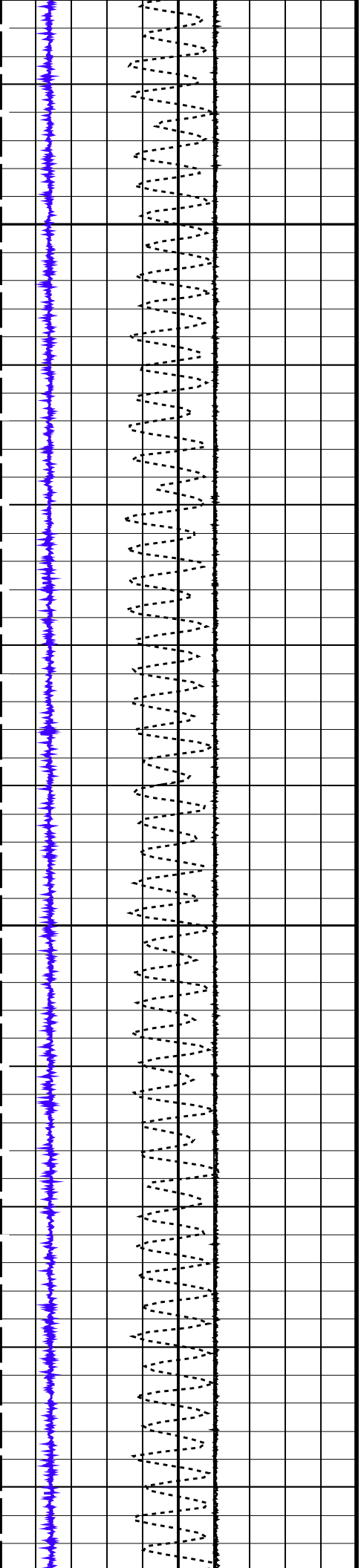




1200

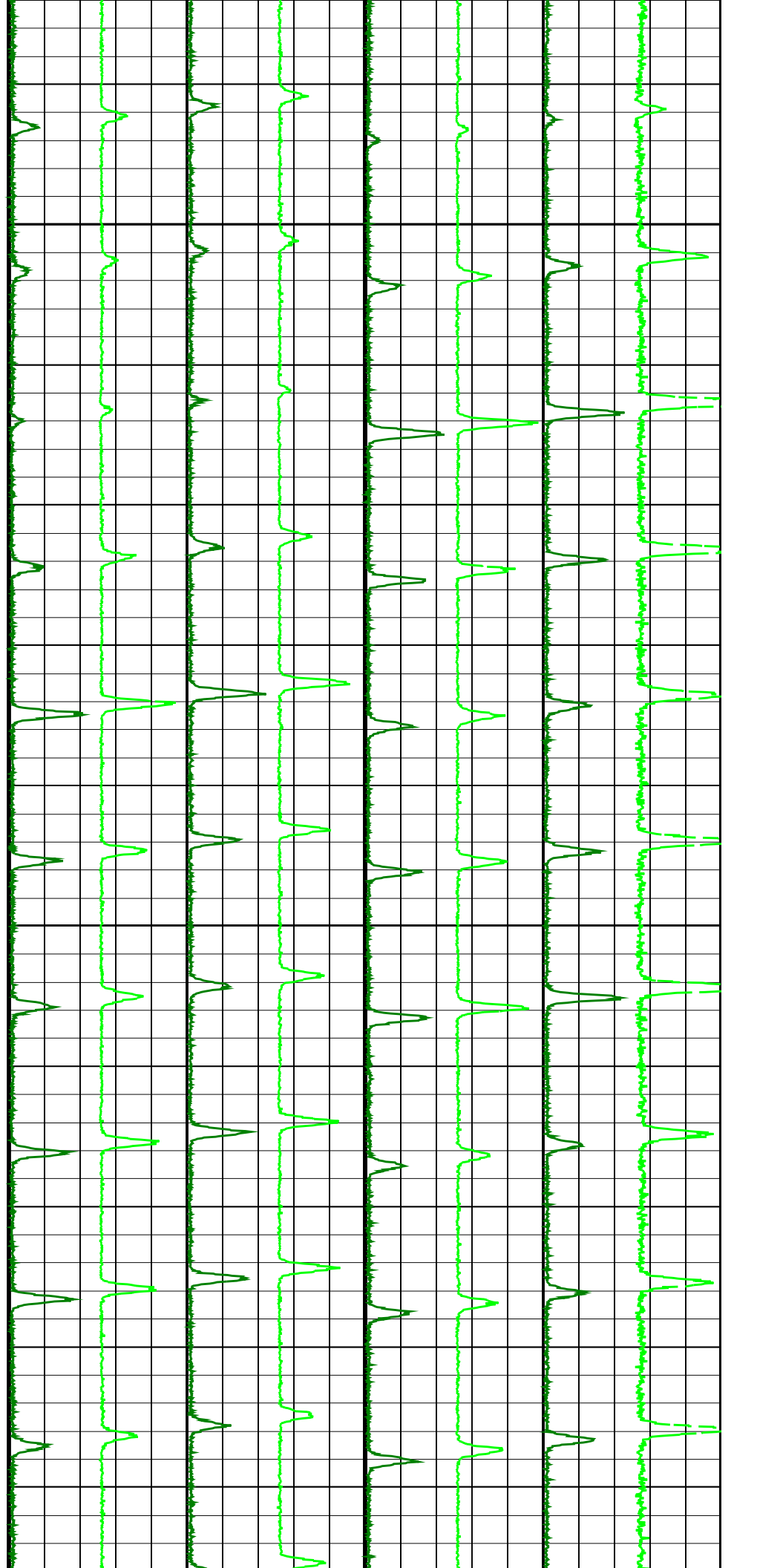
1225

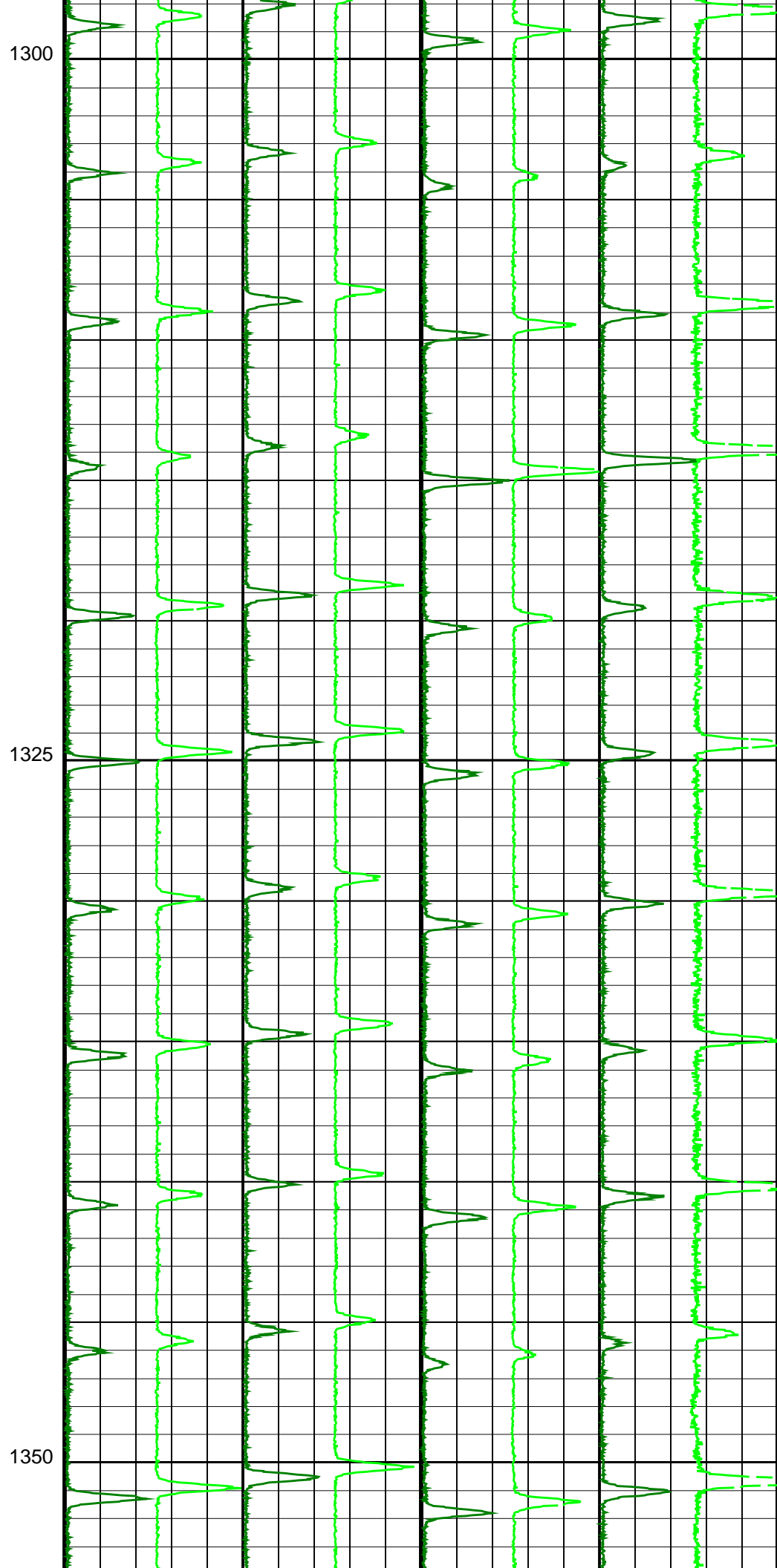
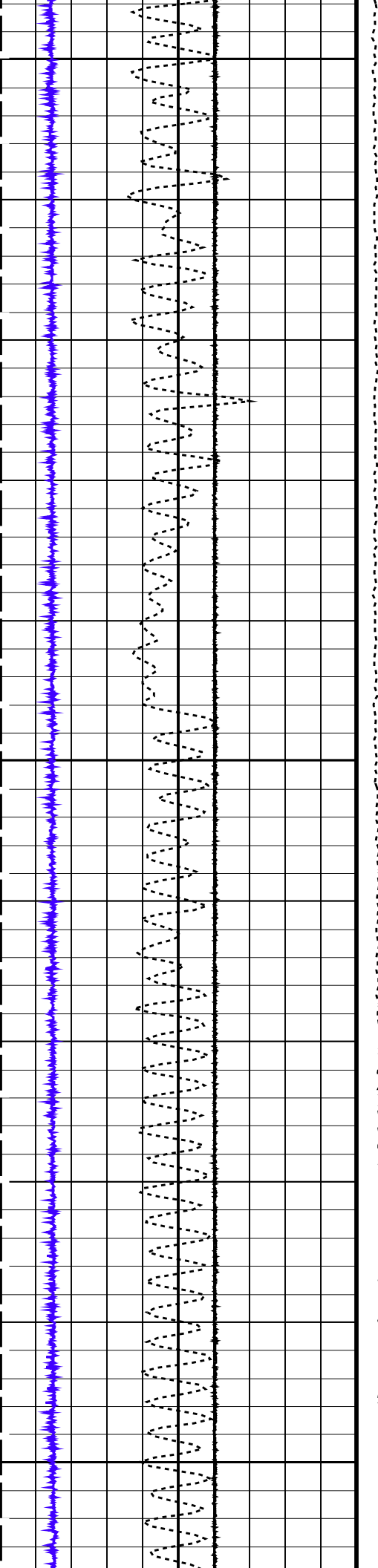


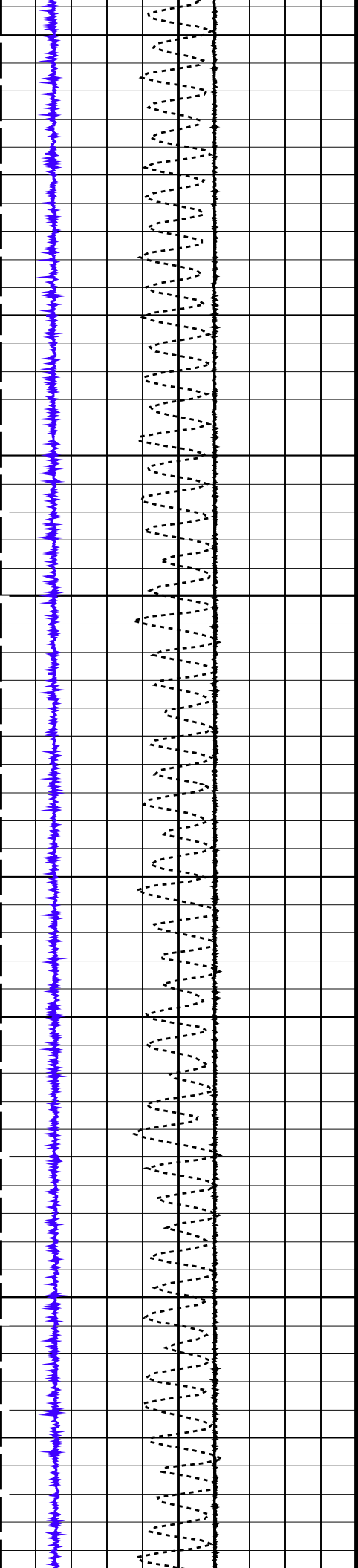


1250

1275

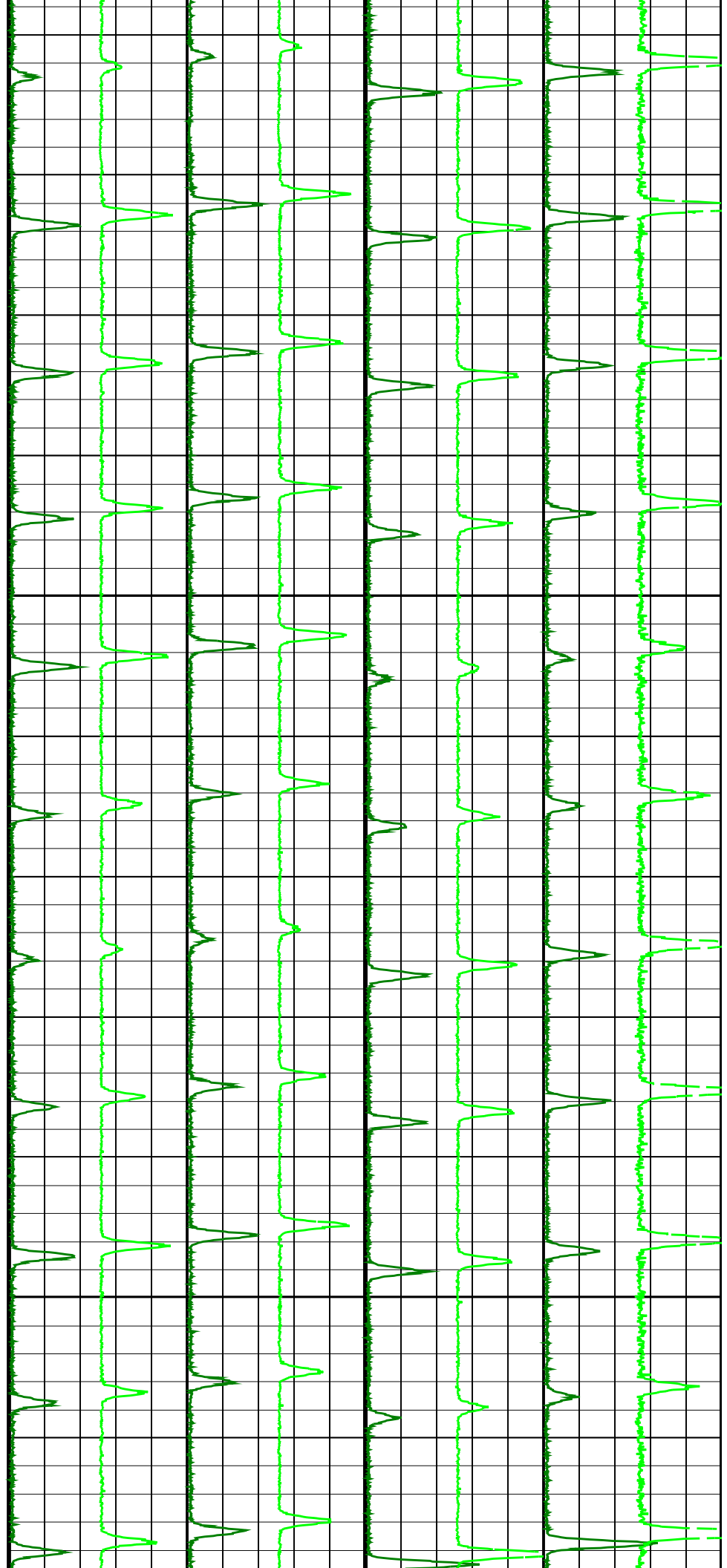


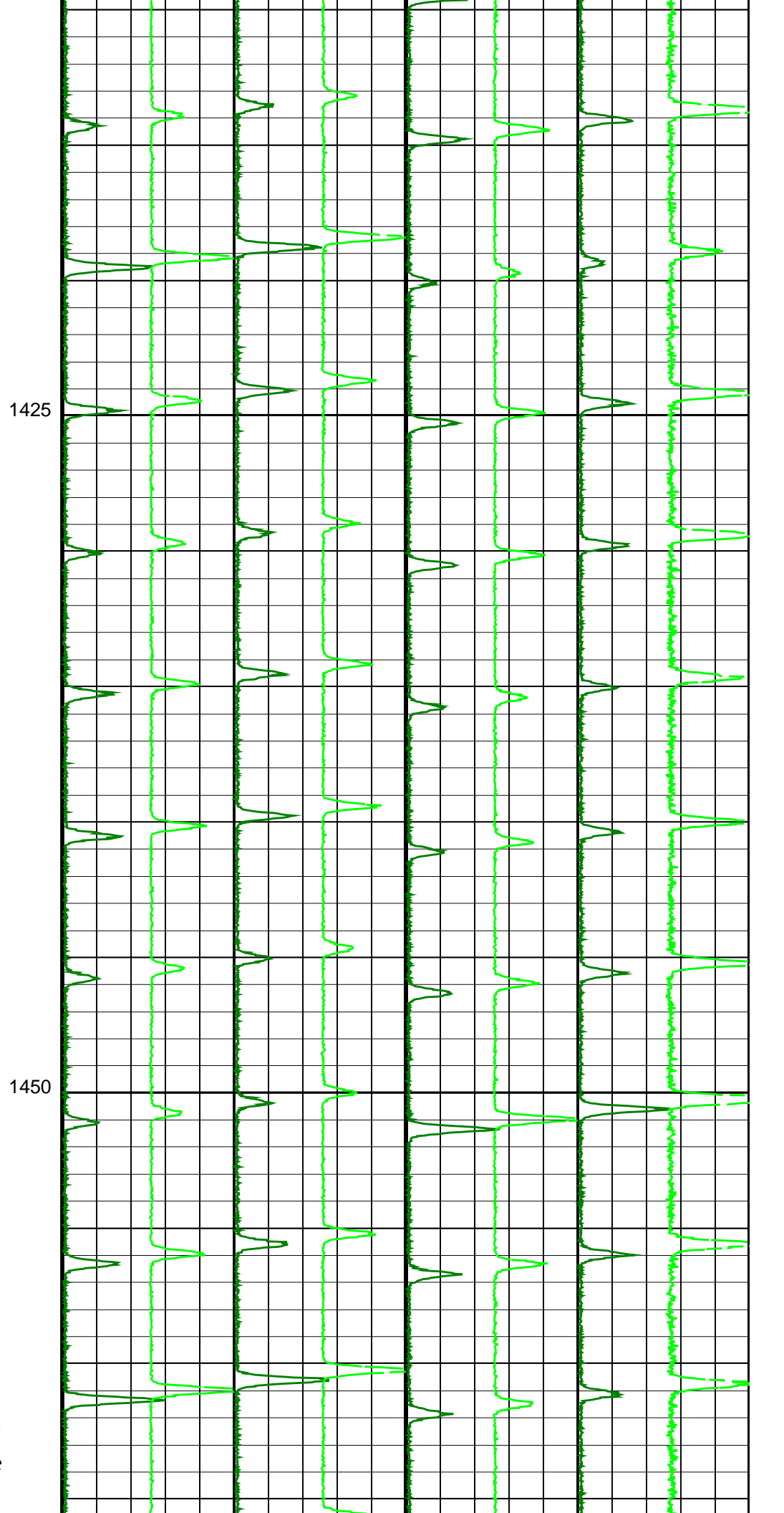
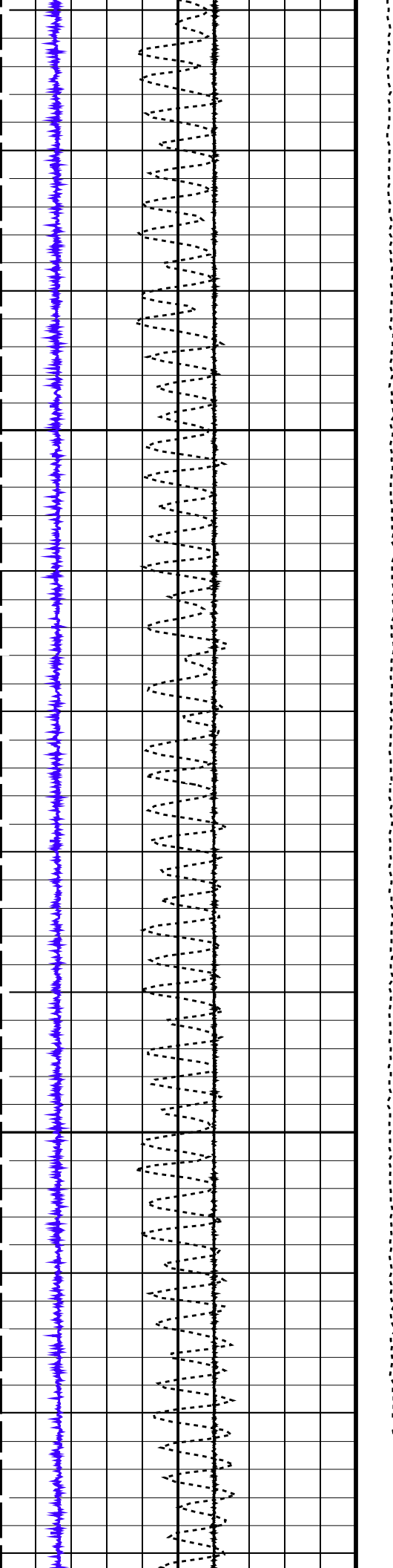


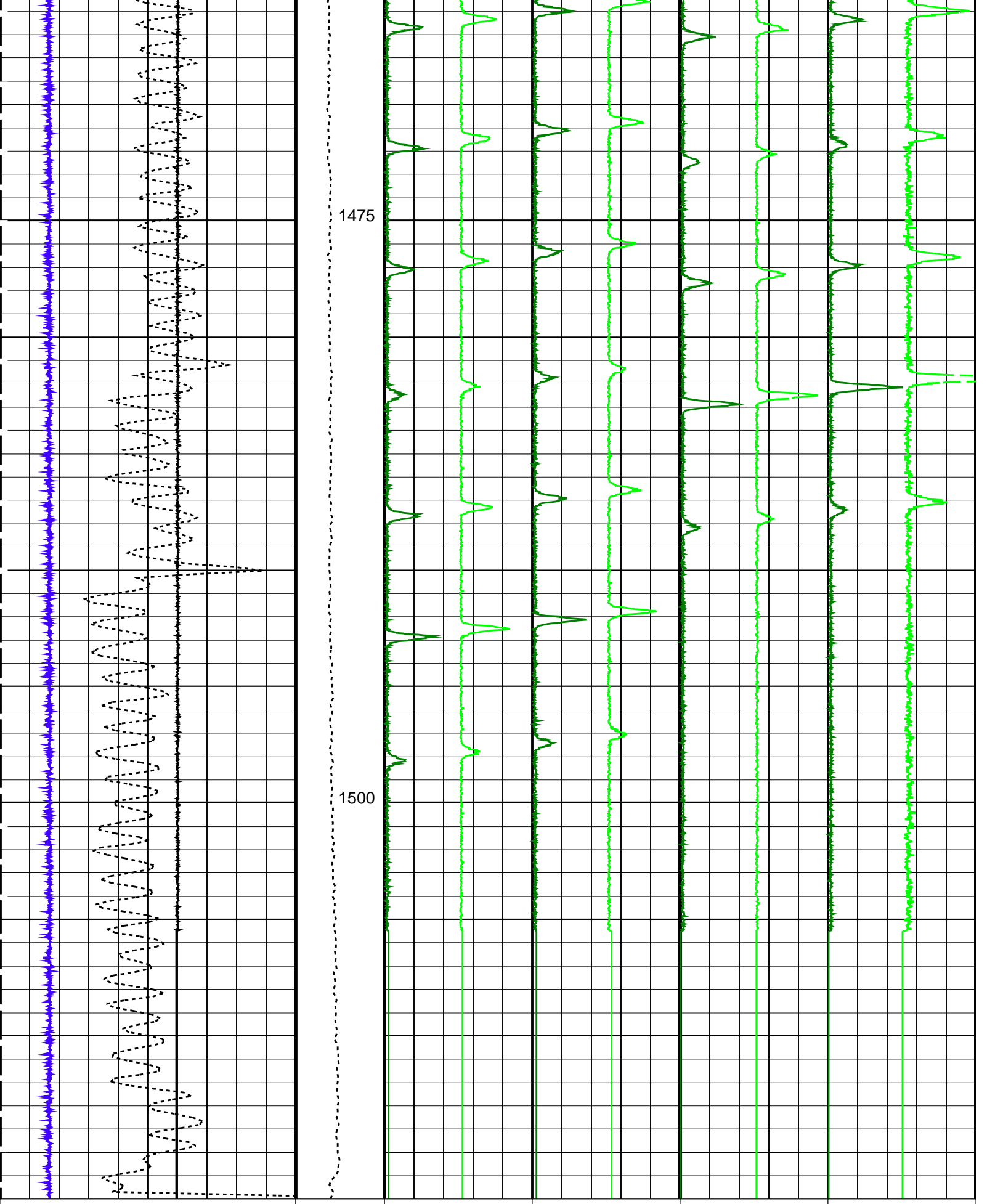


1375

1400







FSMT Acceleration (FSMT_ACC) (M/S ²)	Tension (TENS) (LBF)	Gamma Ray 1 (GR1) (CPS)	Gamma Ray 3 (GR3) (CPS)	FSMT GR5 (GR5) (CPS)	FSMT GR7 (GR7) (CPS)
7 12	0 200	0 2500	0 2500	0 2500	0 2500

Gamma Ray 2 (GR2)	Gamma Ray 4 (GR4)	FSMT GR6 (GR6)	FSMT GR8 (GR8)
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Cable Speed (CS) 350 (F/HR) 250	(GR2) -1250 (CPS) 1250	(GR4) -1250 (CPS) 1250	FSM1 GR6 (GR6) -1250 (CPS) 1250	FSM1 GR8 (GR8) -1250 (CPS) 1250
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FSMT Detector Temperature (FSMT_DTEM) 0 (DEGC) 200

PIP SUMMARY

Time Mark Every 60 S

Format: FSMT_Basic Vertical Scale: 1:200

Graphics File Created: 03-Dec-2018 13:33

OP System Version: 19C2-270

FSMT-E SRPC-FSMTE-JUNE_2013_OP19C2H1 PSPT 19C2-270

Output DLIS Files

DEFAULT	FSMT_PSP_030LUP	FN:75	PRODUCER	03-Dec-2018 13:33
BACKUP	FSMT_PSP_030LUP	FN:76	PRODUCER	03-Dec-2018 13:34
CUSTOMER	FSMT_PSP_030LUC	FN:77	CUSTOMER	03-Dec-2018 13:33



ZONA 2
PASS #3

MAXIS Field Log

Company: ENI U&TS

Well: Annamaria B11

Input DLIS Files

DEFAULT	FSMT_PSP_032LUP	FN:79	PRODUCER	04-Dec-2018 07:58	1515.3 M	1039.5 M
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Output DLIS Files

DEFAULT	FSMT_PSP_033PUP	FN:82	PRODUCER	04-Dec-2018 13:14	1515.8 M	1040.0 M
BACKUP	FSMT_PSP_033PUP	FN:83	PRODUCER	04-Dec-2018 13:15	1515.8 M	1040.0 M
CUSTOMER	FSMT_PSP_033PUC	FN:84	CUSTOMER	04-Dec-2018 13:14	1515.8 M	1040.0 M

OP System Version: 19C2-270

FSMT-E SRPC-FSMTE-JUNE_2013_OP19C2H1 PSPT 19C2-270

PIP SUMMARY

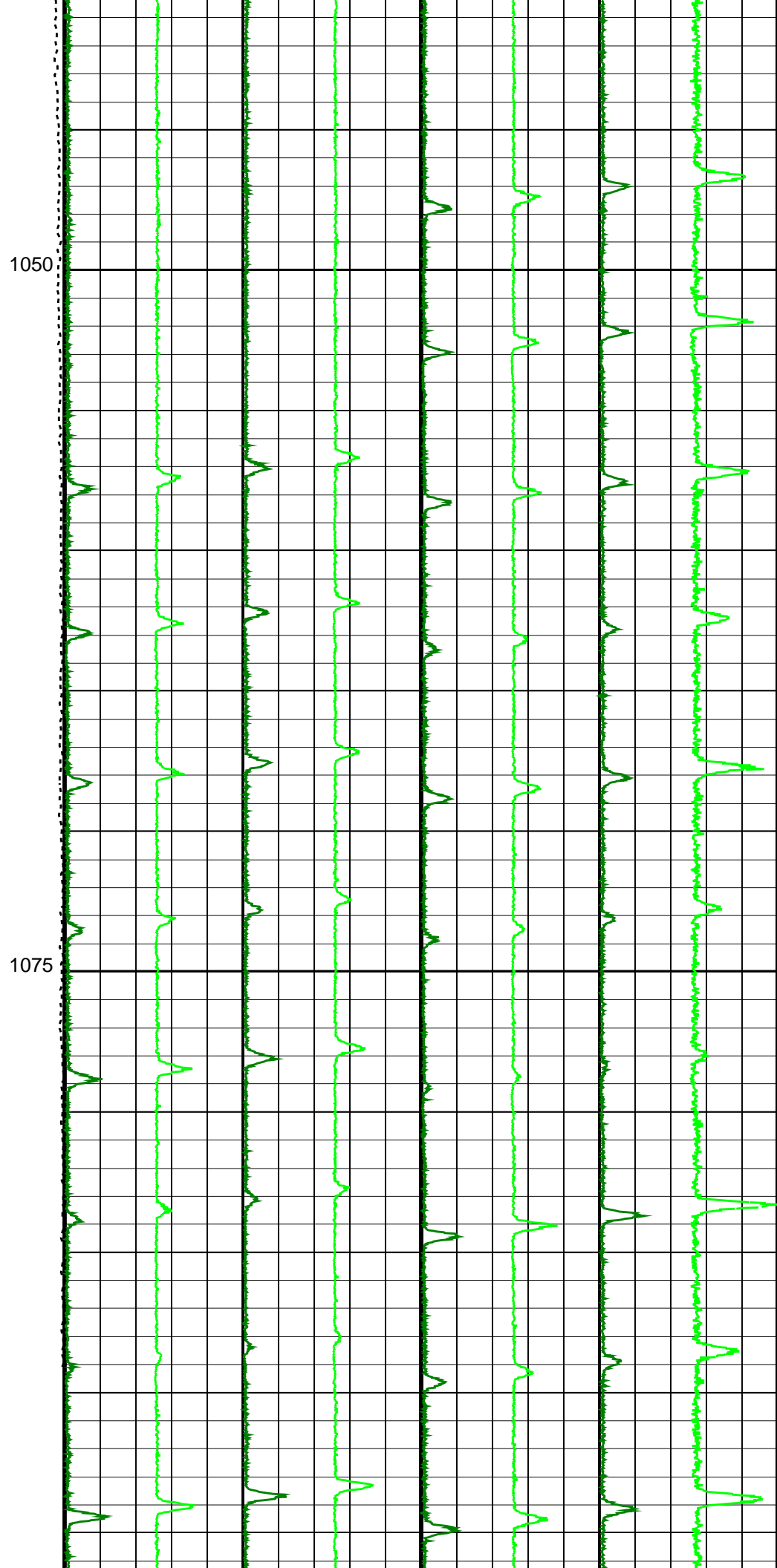
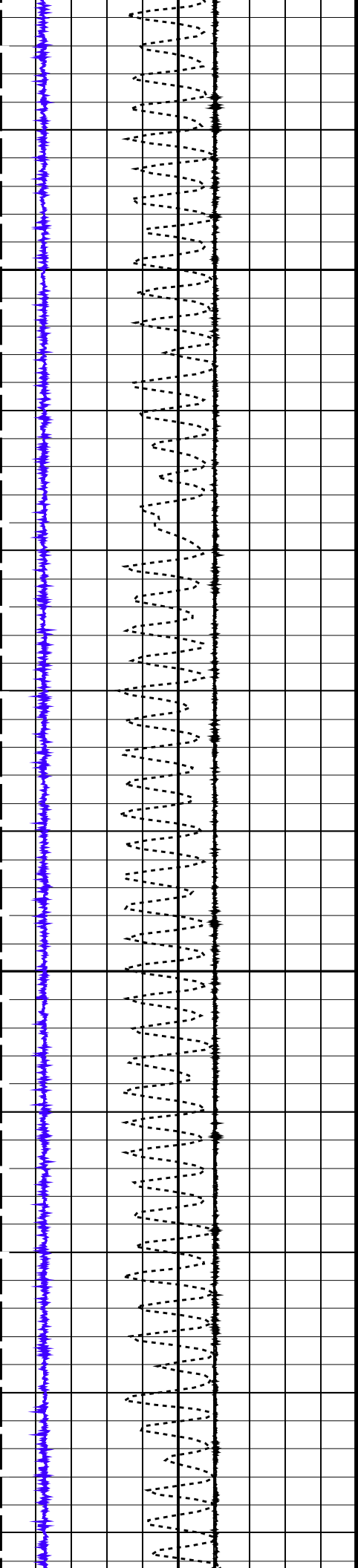
Time Mark Every 60 S

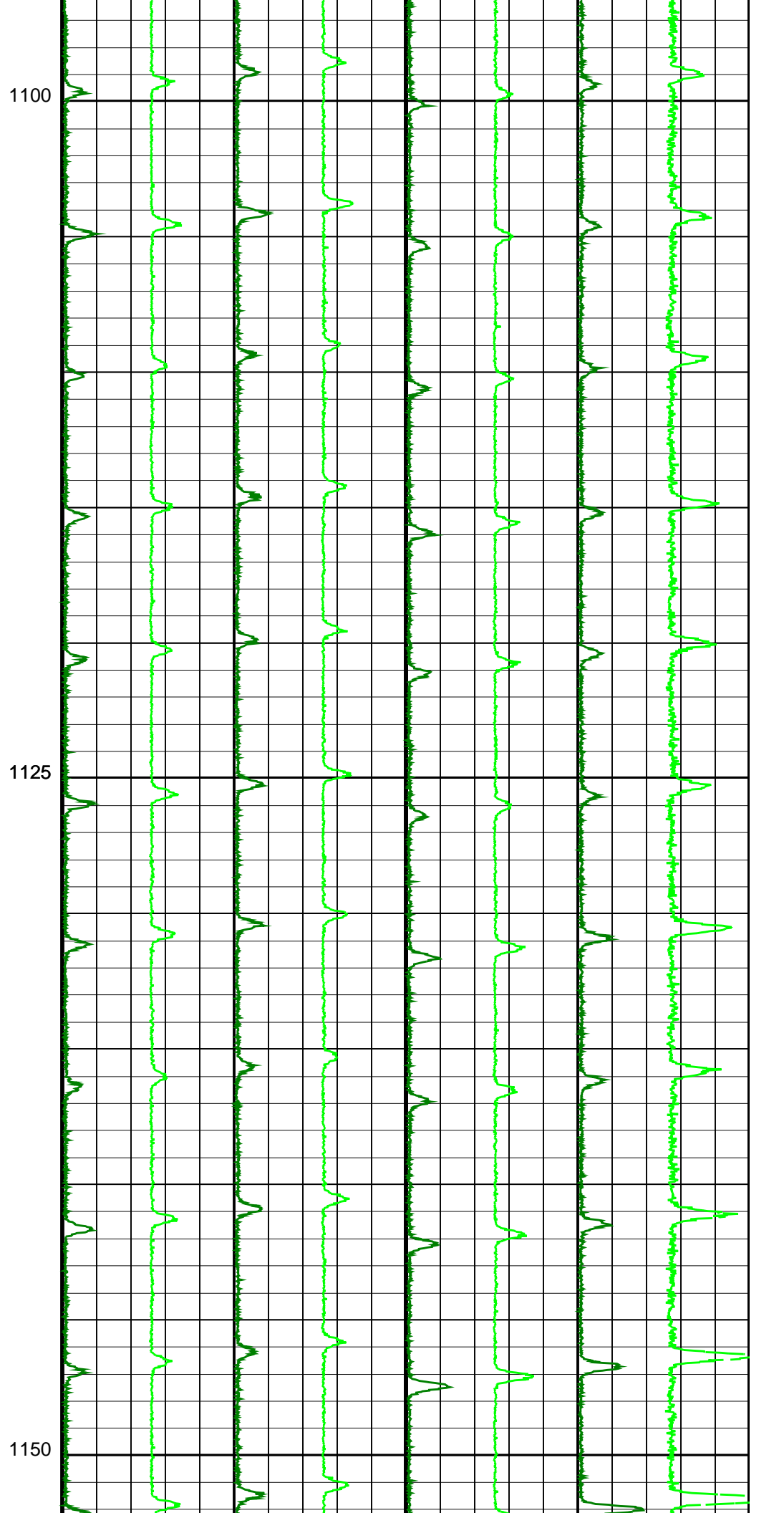
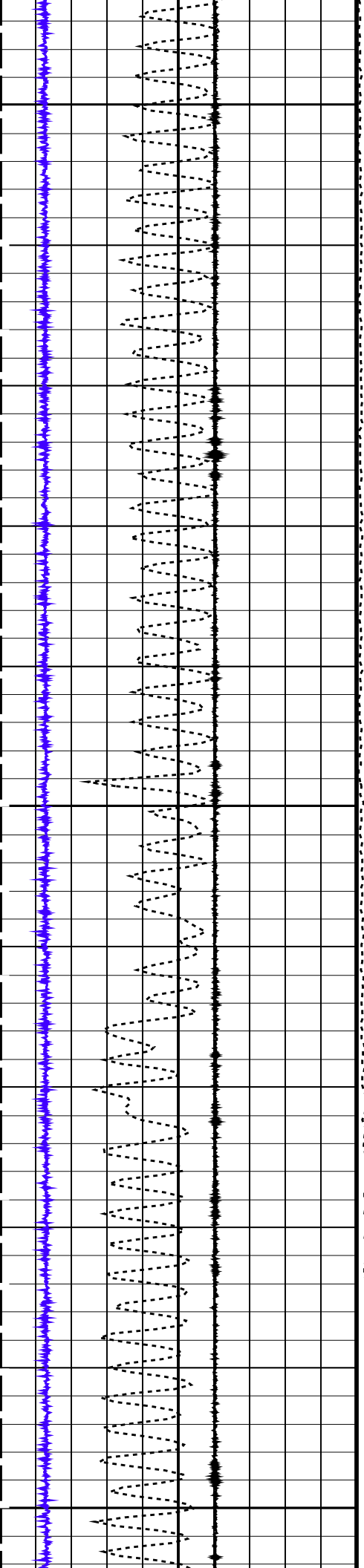
FSMT Detector Temperature (FSMT_DTEM) 0 (DEGC) 200

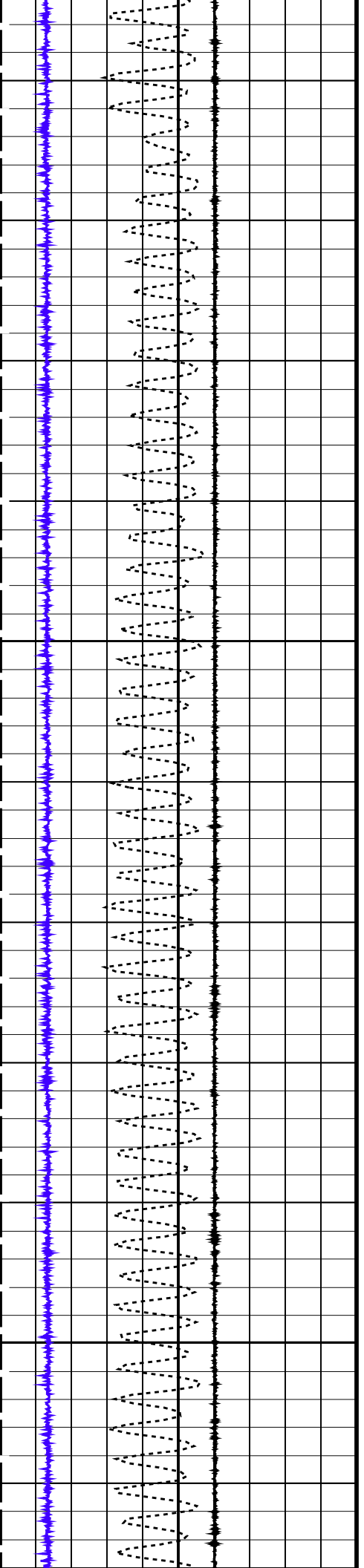
Cable Speed (CS) 350 (F/HR) 250

FSMT Acceleration (FSMT_ACC) 7 (M/S2) 12

Tension (TENS) (LBF) 0 200	Gamma Ray 2 (GR2) -1250 (CPS) 1250	Gamma Ray 4 (GR4) -1250 (CPS) 1250	FSMT GR6 (GR6) -1250 (CPS) 1250	FSMT GR8 (GR8) -1250 (CPS) 1250
	Gamma Ray 1 (GR1) 0 (CPS) 2500	Gamma Ray 3 (GR3) 0 (CPS) 2500	FSMT GR5 (GR5) 0 (CPS) 2500	FSMT GR7 (GR7) 0 (CPS) 2500

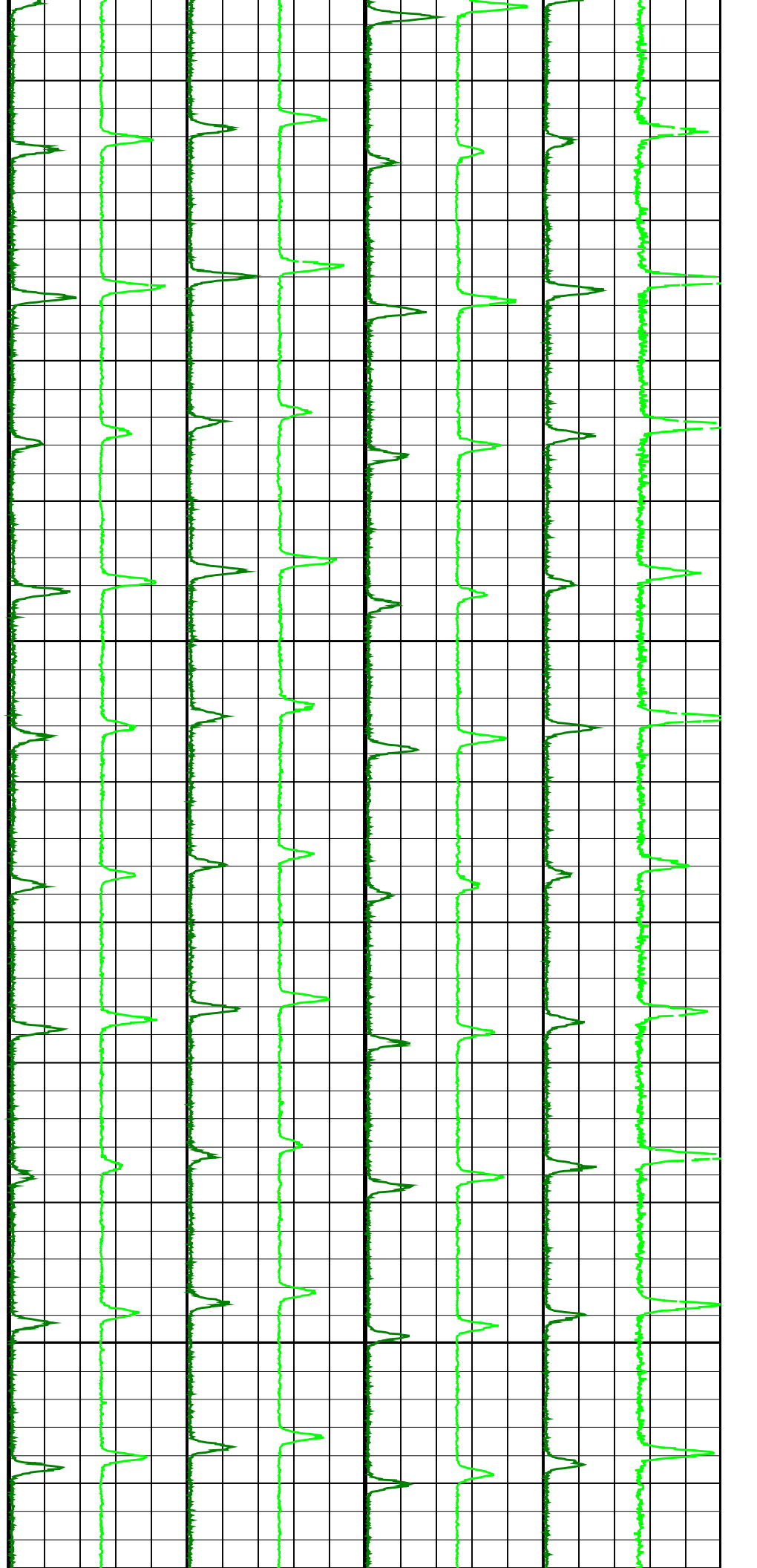


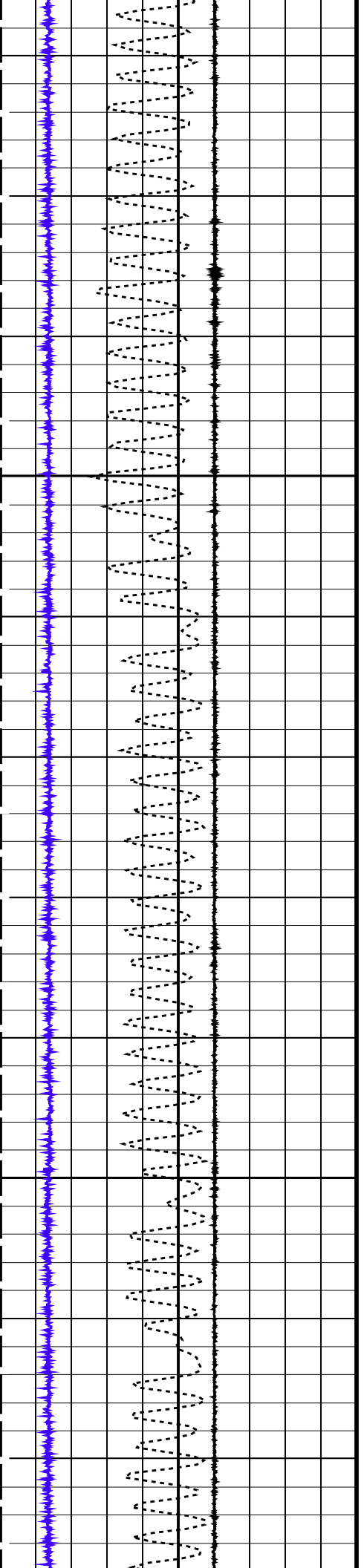




1175

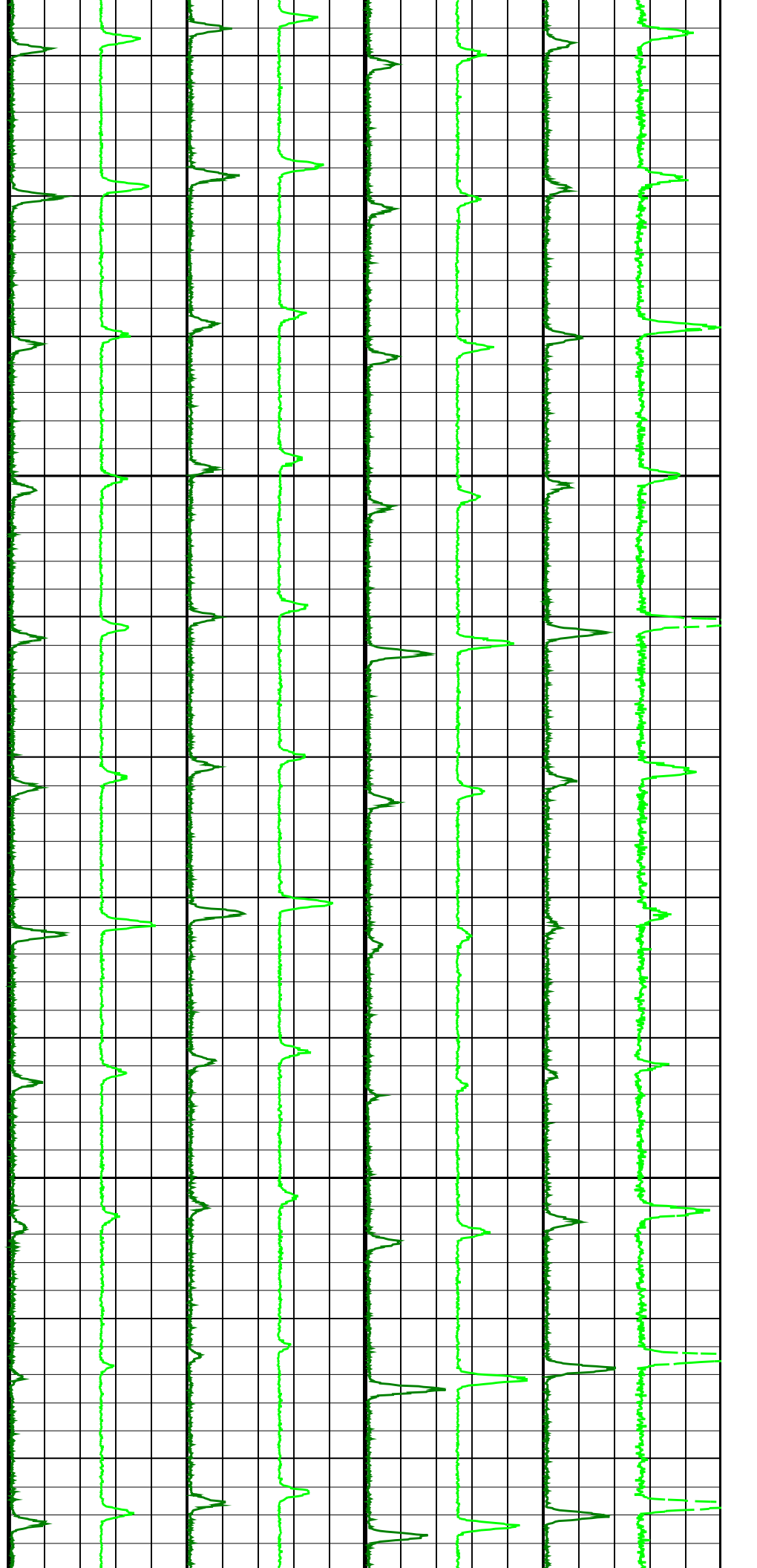
1200

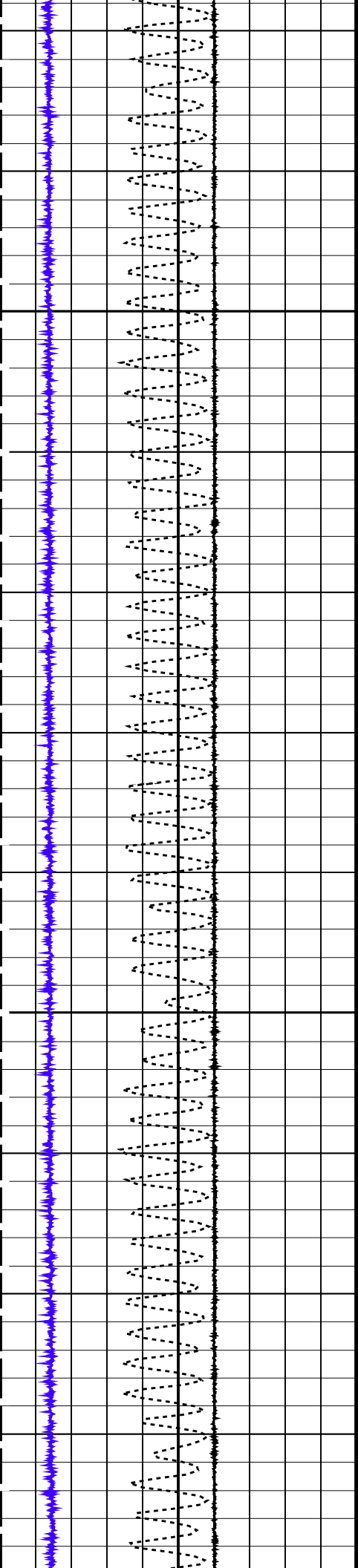




1225

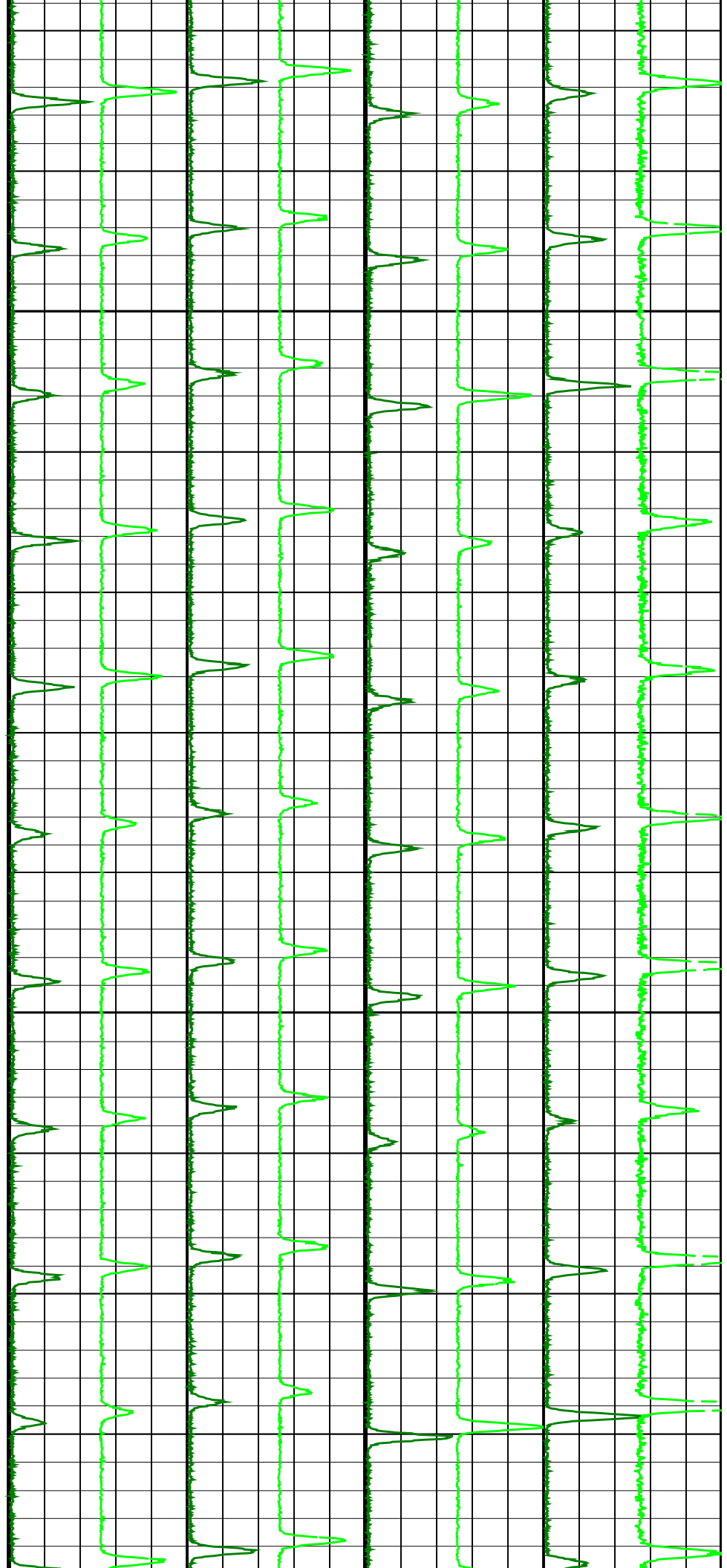
1250

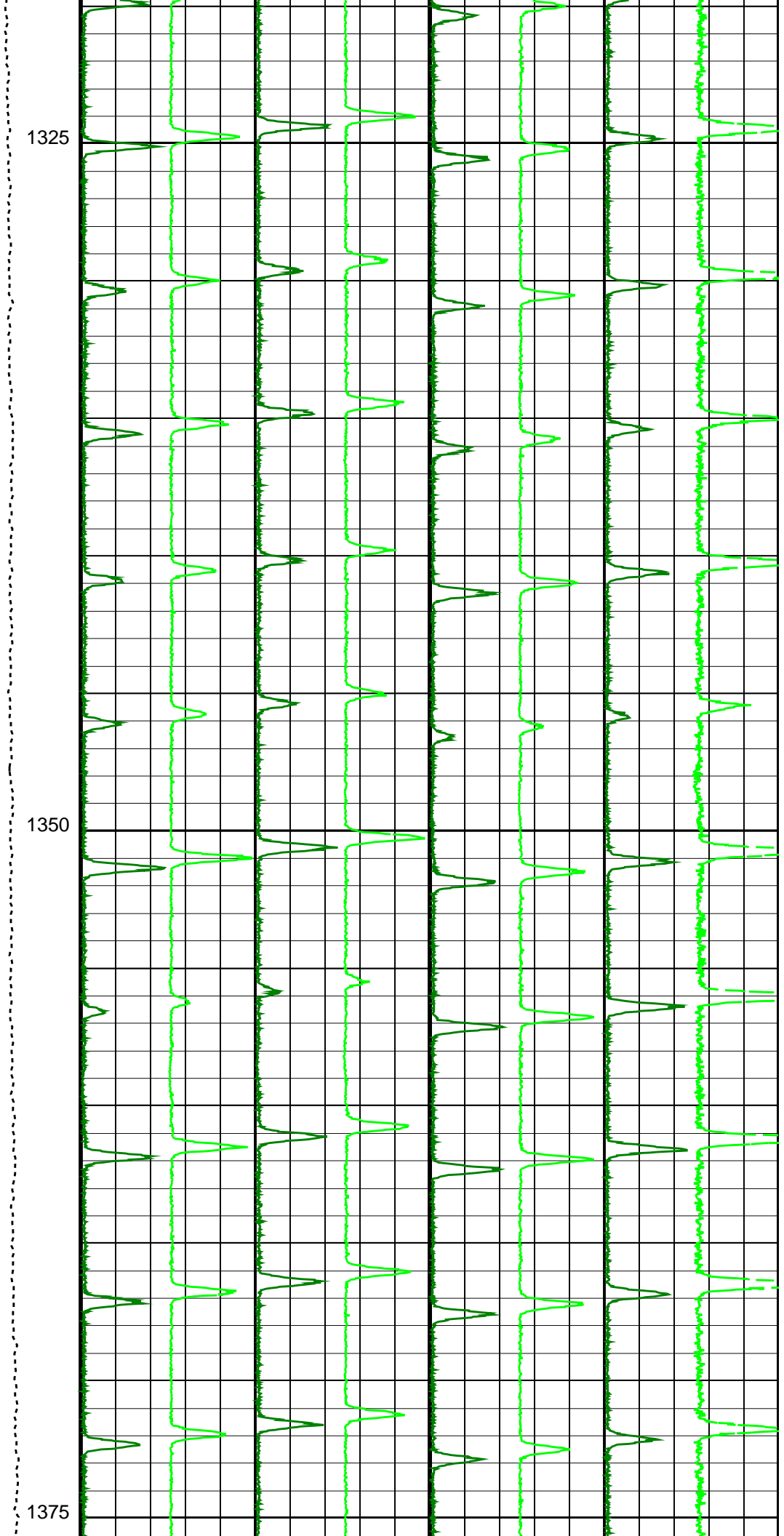
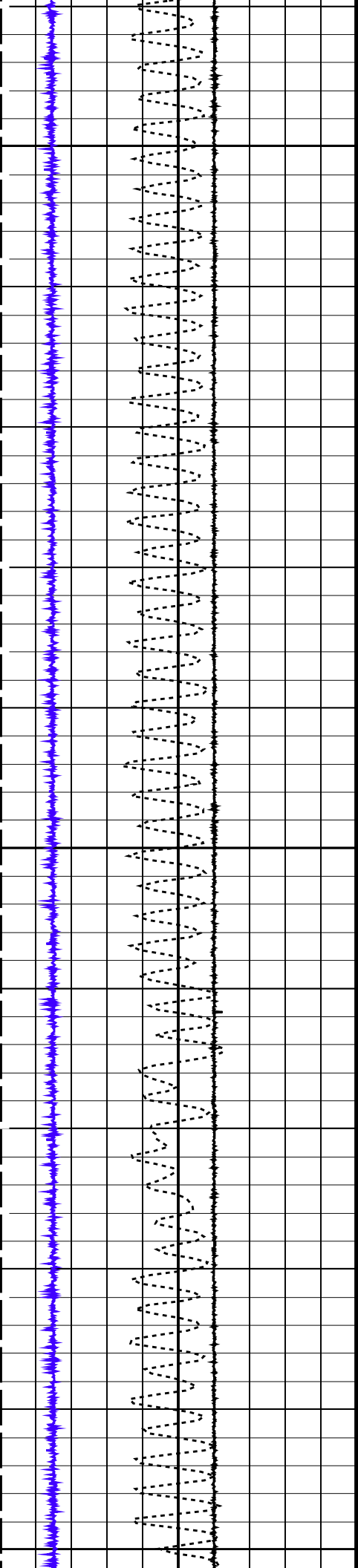


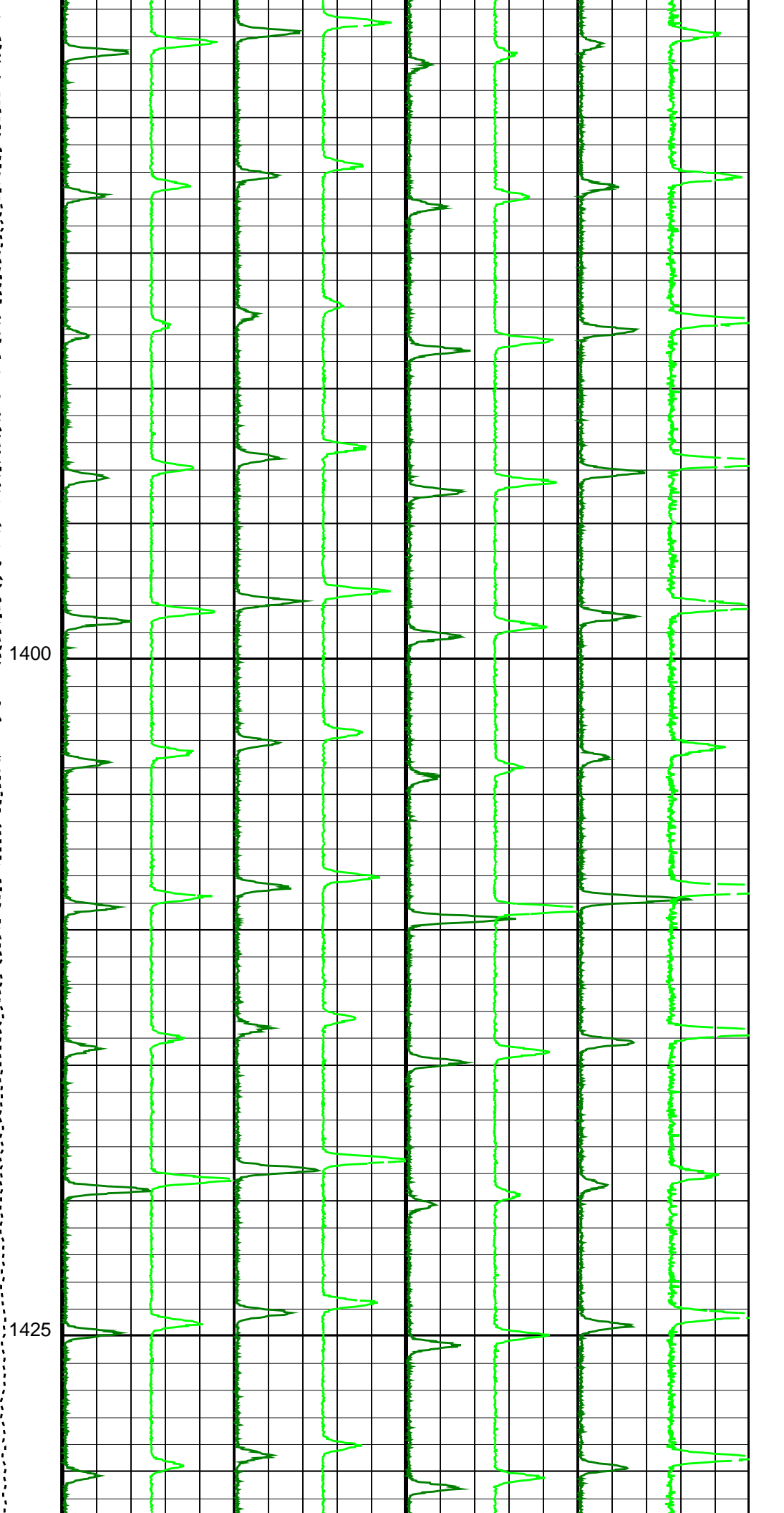
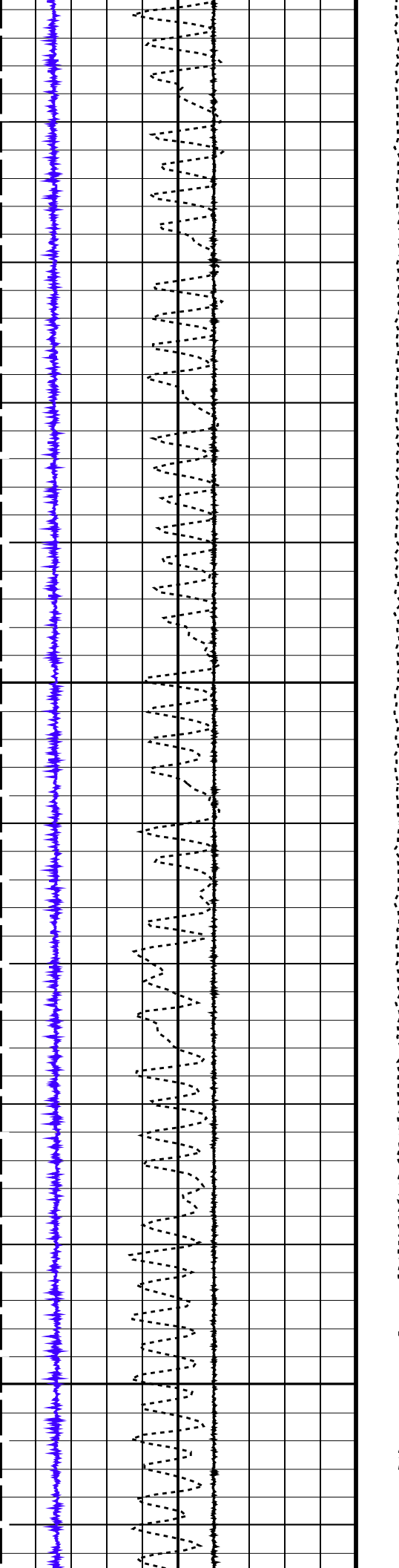


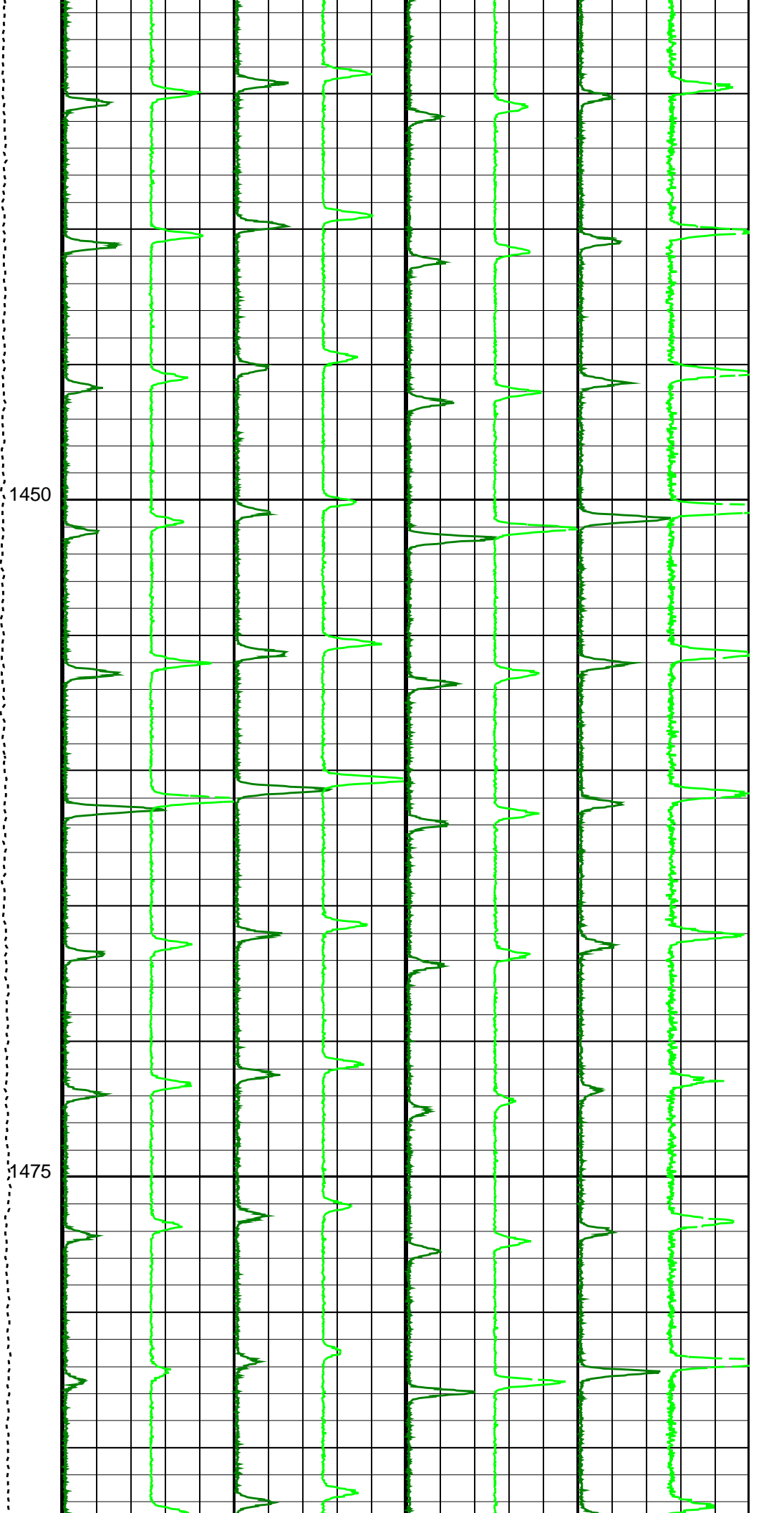
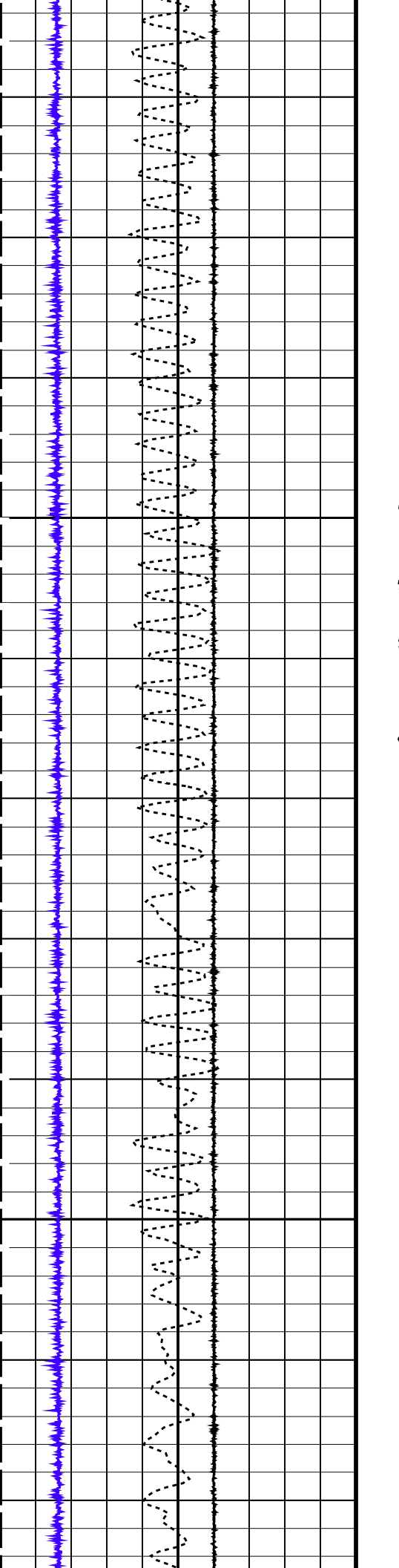
1275

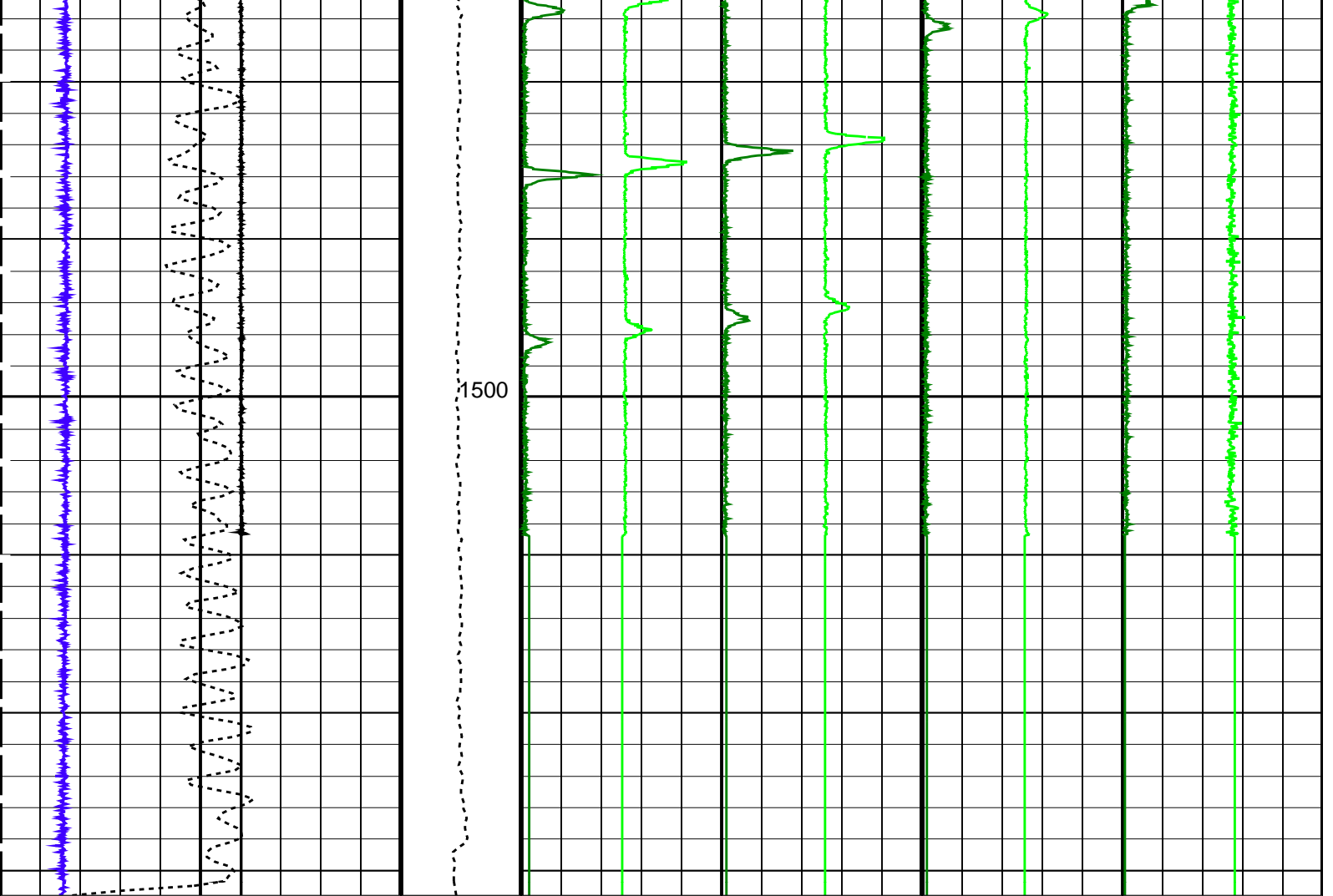
1300











FSMT Acceleration (FSMT_ACC) (M/S2)	0	12	Tension (TENS) (LBF)	0	200	Gamma Ray 1 (GR1) (CPS)	0	2500	Gamma Ray 3 (GR3) (CPS)	0	2500	FSMT GR5 (GR5) (CPS)	0	2500	FSMT GR7 (GR7) (CPS)	0	2500
Cable Speed (CS) (F/HR)	0	250				Gamma Ray 2 (GR2) (CPS)	-1250	1250	Gamma Ray 4 (GR4) (CPS)	-1250	1250	FSMT GR6 (GR6) (CPS)	-1250	1250	FSMT GR8 (GR8) (CPS)	-1250	1250
FSMT Detector Temperature (FSMT_DTEM) (DEGC)	0	200															

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	
PP	Depth Offset for Playback	0.4 M
	Playback Processing	NORMAL

Format: FSMT_Basic Vertical Scale: 1:200 Graphics File Created: 04-Dec-2018 13:14

OP System Version: 19C2-270

FSMT-E	SRPC-FSMTE-JUNE_2013_OP19C2H1	PSPT	19C2-270
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Input DLIS Files

DEFAULT	FSMT_PSP_032LUP	FN:79	PRODUCER	04-Dec-2018 07:58	1515.3 M	1039.5 M
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Output DLIS Files

Output DLIS Files

DEFAULT	FSMT_PSP_033PUP	FN:82	PRODUCER	04-Dec-2018 13:14
BACKUP	FSMT_PSP_033PUP	FN:83	PRODUCER	04-Dec-2018 13:15
CUSTOMER	FSMT_PSP_033PUC	FN:84	CUSTOMER	04-Dec-2018 13:14



ZONA 3 PASS #1

MAXIS Field Log

Company: ENI U&TS Well: Annamaria B11

Input DLIS Files

DEFAULT	FSMT_PSP_018LUP	FN:43	PRODUCER	02-Dec-2018 13:54	1020.8 M	949.9 M
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Output DLIS Files

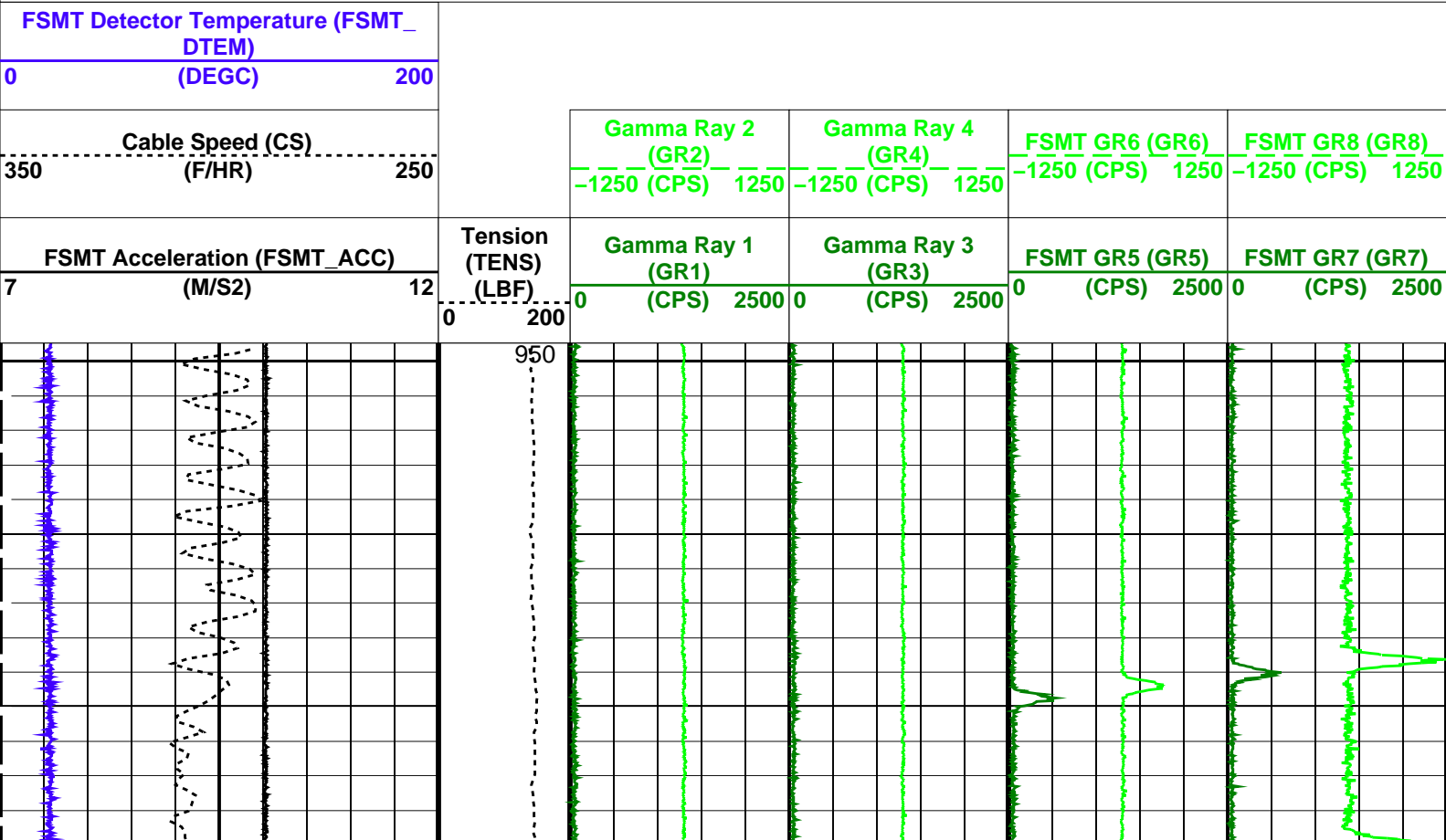
DEFAULT	FSMT_PSP_019PUP	FN:46	PRODUCER	02-Dec-2018 14:44	1020.3 M	949.5 M
BACKUP	FSMT_PSP_019PUP	FN:47	PRODUCER	02-Dec-2018 14:45	1020.3 M	949.5 M
CUSTOMER	FSMT_PSP_019PUC	FN:48	CUSTOMER	02-Dec-2018 14:44	1020.3 M	949.5 M

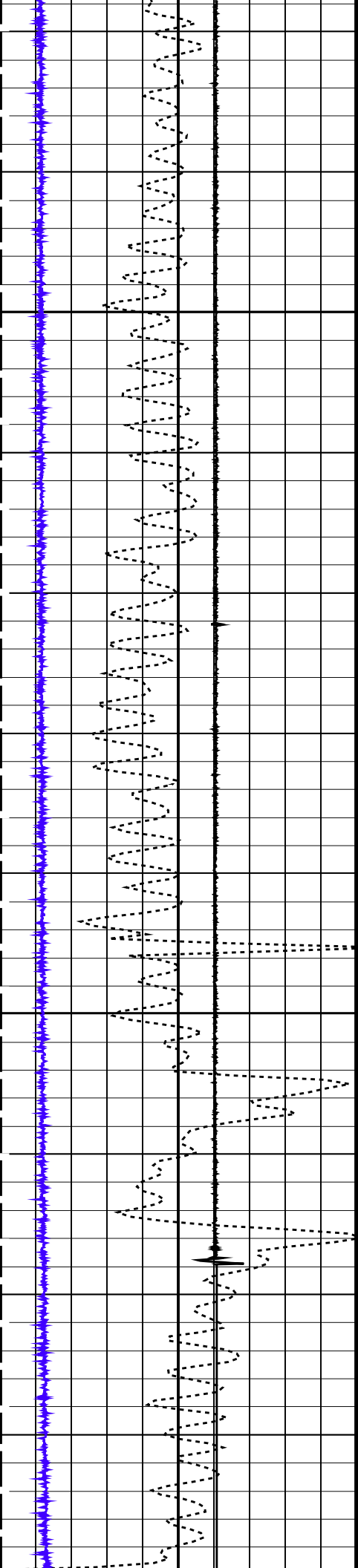
OP System Version: 19C2-270

FSMT-E SRPC-FSMTE-JUNE_2013_OP19C2H1 PSPT 19C2-270

PIP SUMMARY

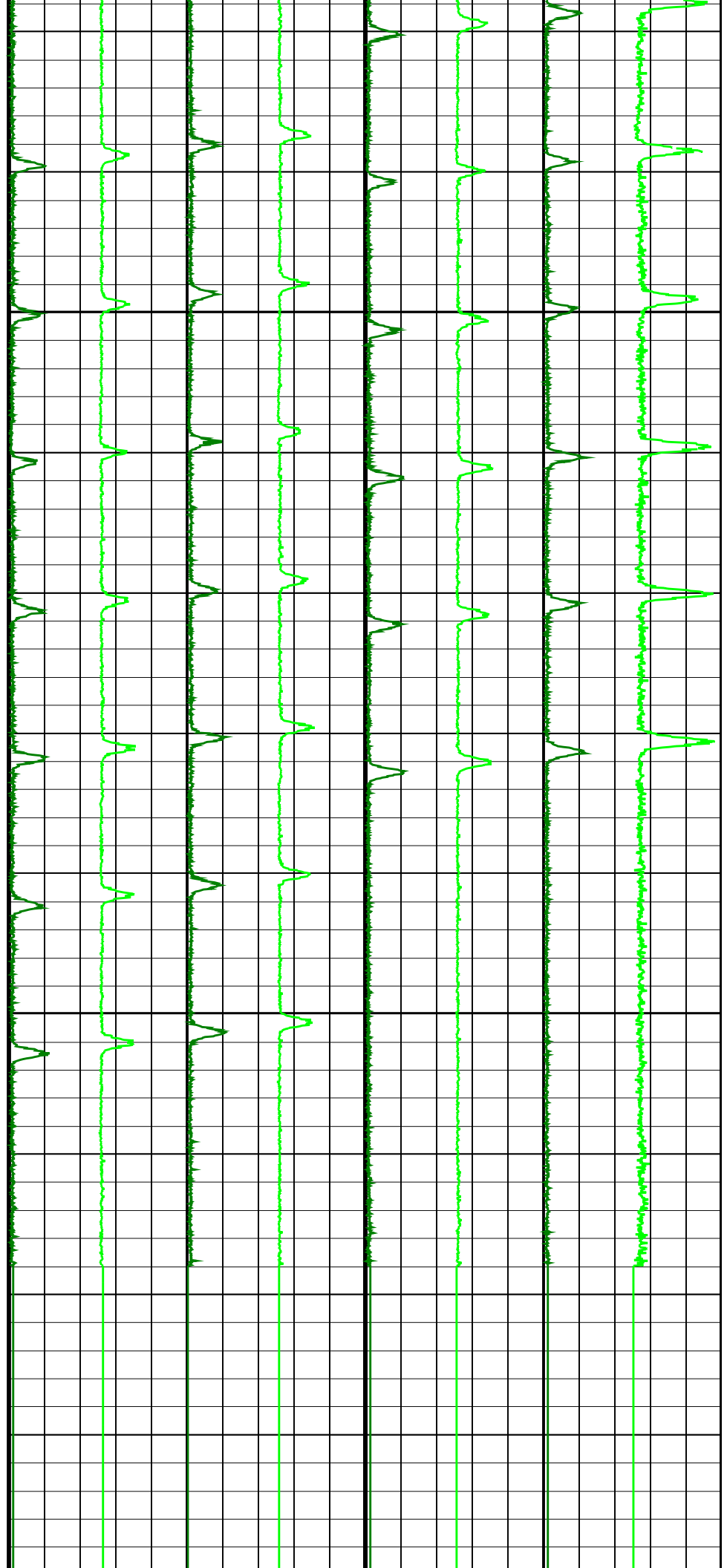
Time Mark Every 60 S





975

1000



FSMT Acceleration (FSMT_ACC)		Tension (TENS) (LBF)	Gamma Ray 1 (GR1)		Gamma Ray 3 (GR3)		FSMT GR5 (GR5)		FSMT GR7 (GR7)		
7	(M/S2)		12	0	(CPS) 2500	0	(CPS) 2500	0	(CPS) 2500	0	(CPS) 2500
Cable Speed (CS)		0		200							
350		(F/HR)		250							
FSMT Detector Temperature (FSMT_DTEM)											
0		(DEGC)		200							

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	
PP	Depth Offset for Playback	-0.4 M
	Playback Processing	NORMAL

Format: FSMT_Basic Vertical Scale: 1:200 Graphics File Created: 02-Dec-2018 14:44

OP System Version: 19C2-270

FSMT-E SRPC-FSMTE-JUNE_2013_OP19C2H1 PSPT 19C2-270

Input DLIS Files

DEFAULT	FSMT_PSP_018LUP	FN:43	PRODUCER	02-Dec-2018 13:54	1020.8 M	949.9 M
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Output DLIS Files

DEFAULT	FSMT_PSP_019PUP	FN:46	PRODUCER	02-Dec-2018 14:44		
BACKUP	FSMT_PSP_019PUP	FN:47	PRODUCER	02-Dec-2018 14:45		
CUSTOMER	FSMT_PSP_019PUC	FN:48	CUSTOMER	02-Dec-2018 14:44		



ZONA 3
PASS #2

MAXIS Field Log

Company: ENI U&TS Well: Annamaria B11

Input DLIS Files

DEFAULT	FSMT_PSP_022LUP	FN:55	PRODUCER	02-Dec-2018 15:34	1020.0 M	949.9 M
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Output DLIS Files

DEFAULT	FSMT_PSP_023PUP	FN:58	PRODUCER	02-Dec-2018 16:22	1019.7 M	949.6 M
BACKUP	FSMT_PSP_023PUP	FN:59	PRODUCER	02-Dec-2018 16:23	1019.7 M	949.6 M
CUSTOMER	FSMT_PSP_023PUC	FN:60	CUSTOMER	02-Dec-2018 16:22	1019.7 M	949.6 M

OP System Version: 19C2-270

PIP SUMMARY

Time Mark Every 60 S

FSMT Detector Temperature (FSMT_DTEM)		
0	(DEGC)	200

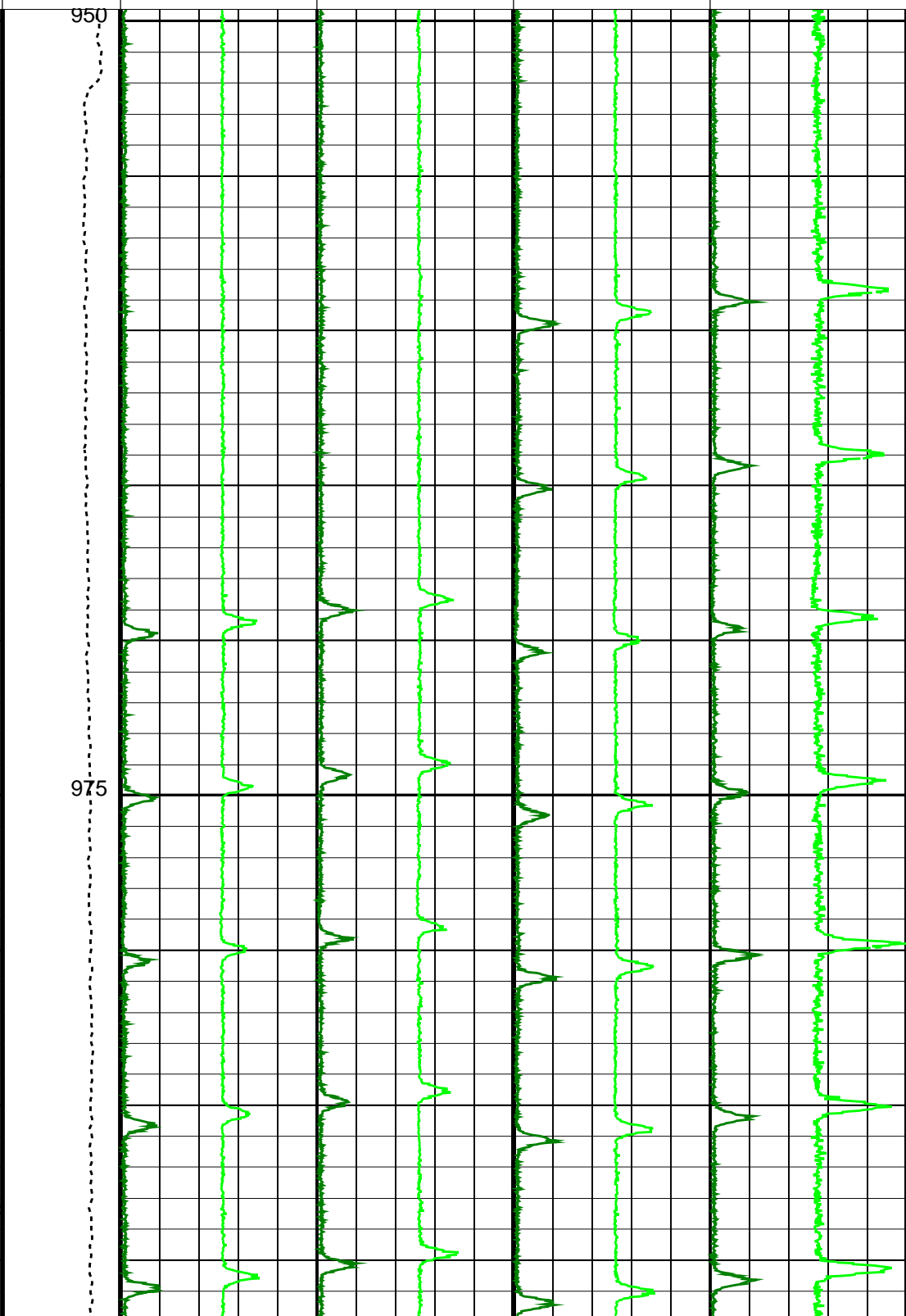
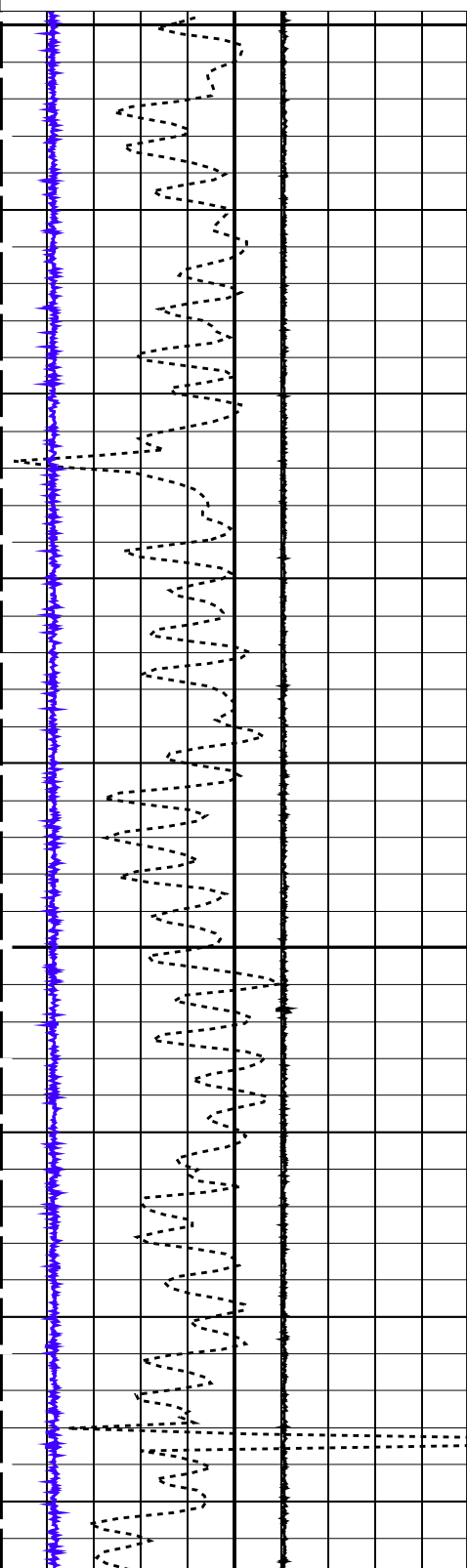
Cable Speed (CS)		
350	(F/HR)	250

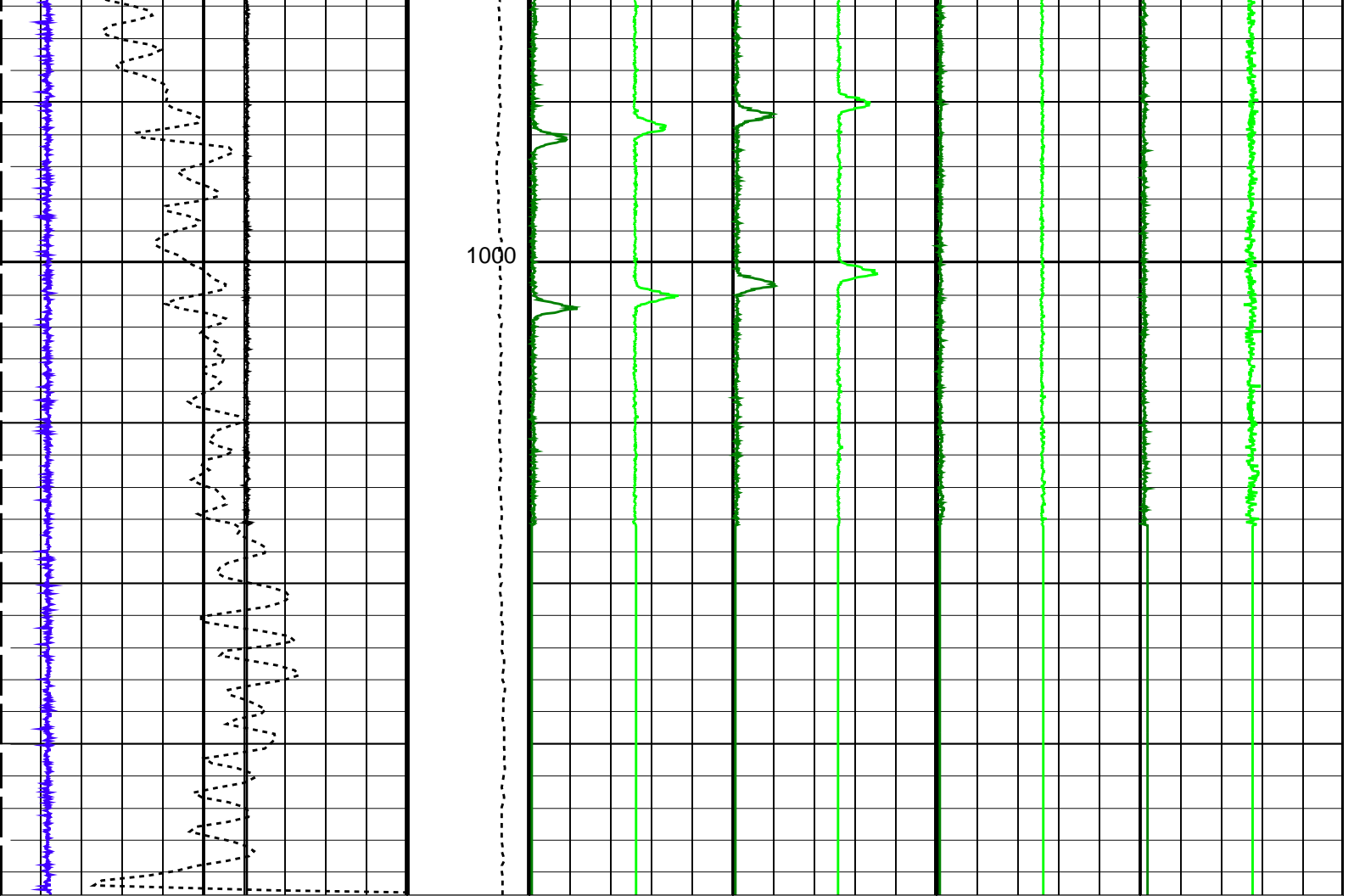
FSMT Acceleration (FSMT_ACC)		
7	(M/S2)	12

Tension (TENS)	
(LBF)	
0	200

Gamma Ray 2 (GR2)	Gamma Ray 4 (GR4)	FSMT GR6 (GR6)	FSMT GR8 (GR8)
-1250 (CPS) 1250	-1250 (CPS) 1250	-1250 (CPS) 1250	-1250 (CPS) 1250

Gamma Ray 1 (GR1)	Gamma Ray 3 (GR3)	FSMT GR5 (GR5)	FSMT GR7 (GR7)
0 (CPS) 2500	0 (CPS) 2500	0 (CPS) 2500	0 (CPS) 2500





FSMT Acceleration (FSMT_ACC) 7 (M/S ²) 12	Tension (TENS) (LBF) 0 200	Gamma Ray 1 (GR1) 0 (CPS) 2500	Gamma Ray 3 (GR3) 0 (CPS) 2500	FSMT GR5 (GR5) 0 (CPS) 2500	FSMT GR7 (GR7) 0 (CPS) 2500
Cable Speed (CS) 350 (F/HR) 250		Gamma Ray 2 (GR2) -1250 (CPS) 1250	Gamma Ray 4 (GR4) -1250 (CPS) 1250	FSMT GR6 (GR6) -1250 (CPS) 1250	FSMT GR8 (GR8) -1250 (CPS) 1250
FSMT Detector Temperature (FSMT_DTEM) 0 (DEGC) 200					

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	
PP	Depth Offset for Playback	-0.3 M
	Playback Processing	NORMAL

Format: FSMT_Basic Vertical Scale: 1:200 Graphics File Created: 02-Dec-2018 16:22

OP System Version: 19C2-270

FSMT-E SRPC-FSMTE-JUNE_2013_OP19C2H1 PSPT 19C2-270

Input DLIS Files

DEFAULT FSMT_PSP_022LUP FN:55 PRODUCER 02-Dec-2018 15:34 1020.0 M 949.9 M

Output DLIS Files

DEFAULT	FSMT_PSP_023PUP	FN:58	PRODUCER	02-Dec-2018 16:22
BACKUP	FSMT_PSP_023PUP	FN:59	PRODUCER	02-Dec-2018 16:23
CUSTOMER	FSMT_PSP_023PUC	FN:60	CUSTOMER	02-Dec-2018 16:22



ZONA 3 PASS #3

MAXIS Field Log

Company: ENI U&TS Well: Annamaria B11

Input DLIS Files

DEFAULT	FSMT_PSP_024LUP	FN:61	PRODUCER	02-Dec-2018 16:30	1020.0 M	950.1 M
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Output DLIS Files

DEFAULT	FSMT_PSP_025PUP	FN:64	PRODUCER	02-Dec-2018 17:17	1019.7 M	949.8 M
BACKUP	FSMT_PSP_025PUP	FN:65	PRODUCER	02-Dec-2018 17:18	1019.7 M	949.8 M
CUSTOMER	FSMT_PSP_025PUC	FN:66	CUSTOMER	02-Dec-2018 17:17	1019.7 M	949.8 M

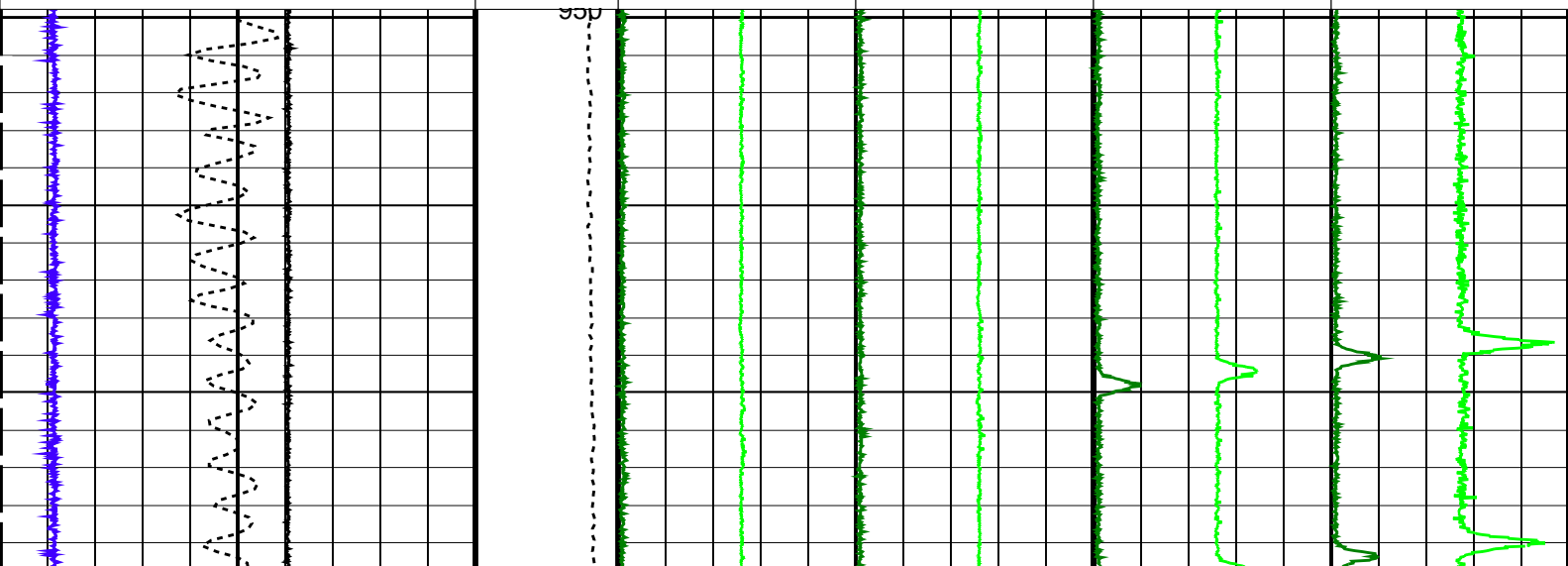
OP System Version: 19C2-270

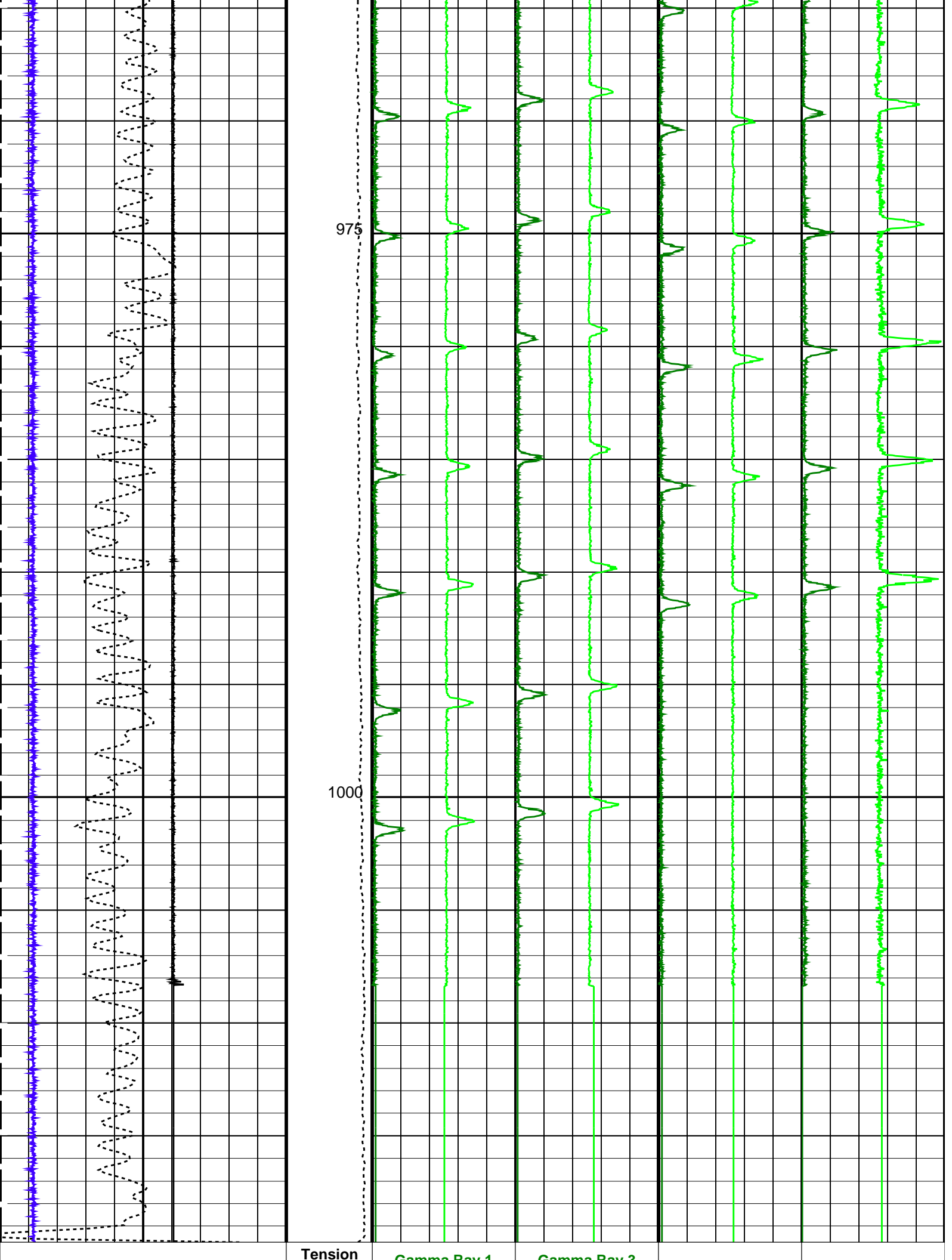
FSMT-E	SRPC-FSMTE-JUNE_2013_OP19C2H1	PSPT	19C2-270
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PIP SUMMARY

Time Mark Every 60 S

FSMT Detector Temperature (FSMT_DTEM)				
0 (DEGC) 200				
Cable Speed (CS)				
350 (F/HR) 250				
FSMT Acceleration (FSMT_ACC)				
7 (M/S ²) 12				
Tension (TENS) (LBF)				
0 200				
	Gamma Ray 2 (GR2)	Gamma Ray 4 (GR4)	FSMT GR6 (GR6)	FSMT GR8 (GR8)
	-1250 (CPS) 1250	-1250 (CPS) 1250	-1250 (CPS) 1250	-1250 (CPS) 1250
	Gamma Ray 1 (GR1)	Gamma Ray 3 (GR3)	FSMT GR5 (GR5)	FSMT GR7 (GR7)
	0 (CPS) 2500	0 (CPS) 2500	0 (CPS) 2500	0 (CPS) 2500





Tension

Gamma Ray 1

Gamma Ray 2

7	FSMT Acceleration (FSMT_ACC) (M/S2)	12	(TENS)	0	200	Gamma Ray 1 (GR1)	Gamma Ray 3 (GR3)	FSMT GR5 (GR5)	FSMT GR7 (GR7)
			(LBF)	0	2500	0	2500	0	2500
								(CPS)	(CPS)
350	Cable Speed (CS) (F/HR)	250				Gamma Ray 2 (GR2)	Gamma Ray 4 (GR4)	FSMT GR6 (GR6)	FSMT GR8 (GR8)
						-1250	-1250	(CPS)	(CPS)
						1250	1250	1250	1250
0	FSMT Detector Temperature (FSMT_DTEM) (DEGC)	200							

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	
PP	Depth Offset for Playback Playback Processing	-0.3 M NORMAL

Format: FSMT_Basic Vertical Scale: 1:200 Graphics File Created: 02-Dec-2018 17:17

OP System Version: 19C2-270

FSMT-E SRPC-FSMTE-JUNE_2013_OP19C2H1 PSPT 19C2-270

Input DLIS Files

DEFAULT	FSMT_PSP_024LUP	FN:61	PRODUCER	02-Dec-2018 16:30	1020.0 M	950.1 M
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Output DLIS Files

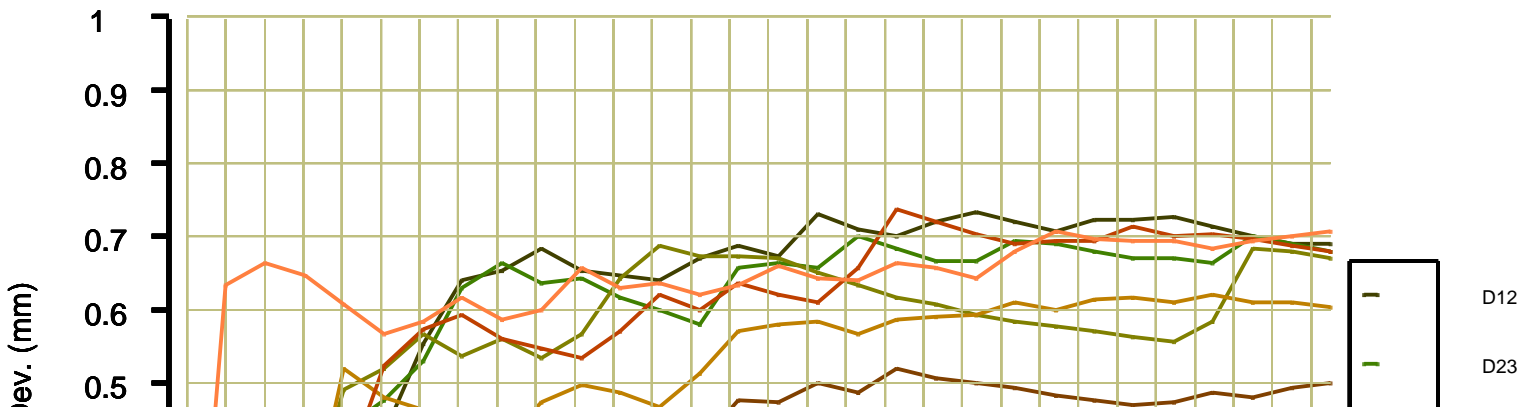
DEFAULT	FSMT_PSP_025PUP	FN:64	PRODUCER	02-Dec-2018 17:17		
BACKUP	FSMT_PSP_025PUP	FN:65	PRODUCER	02-Dec-2018 17:18		
CUSTOMER	FSMT_PSP_025PUC	FN:66	CUSTOMER	02-Dec-2018 17:17		

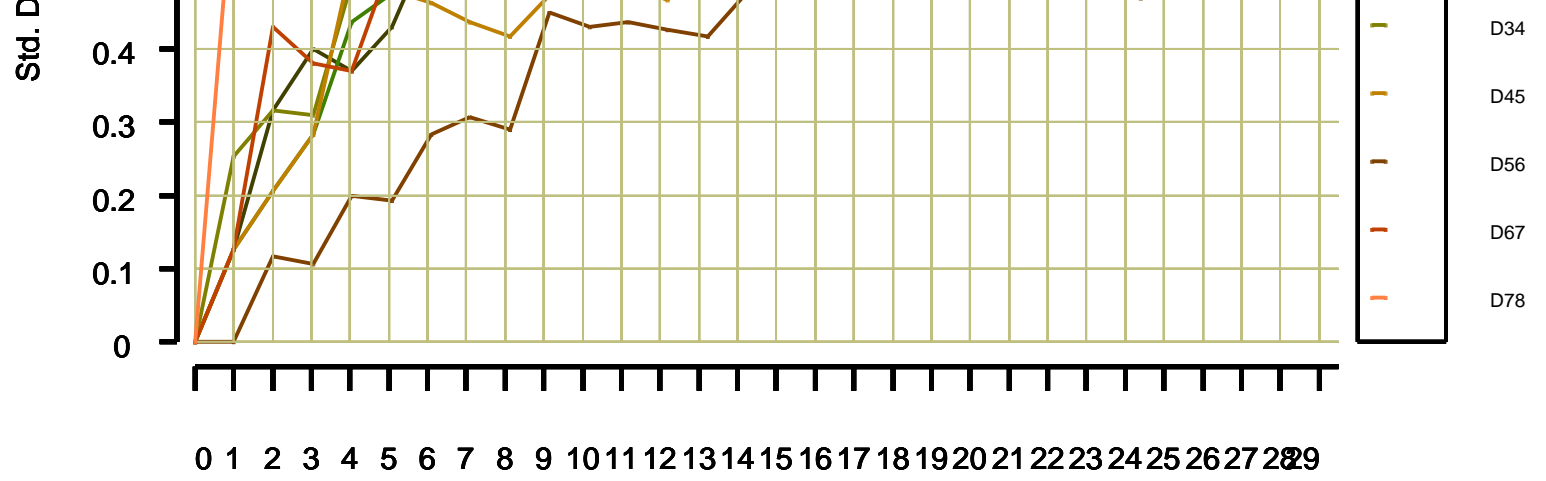


BEFORE CALIBRATION

MAXIS Field Log

17-Oct-2018 - FSMT-E SN 701 - Cumulative Standard Deviation (at -1.3°C)





Calibration passes

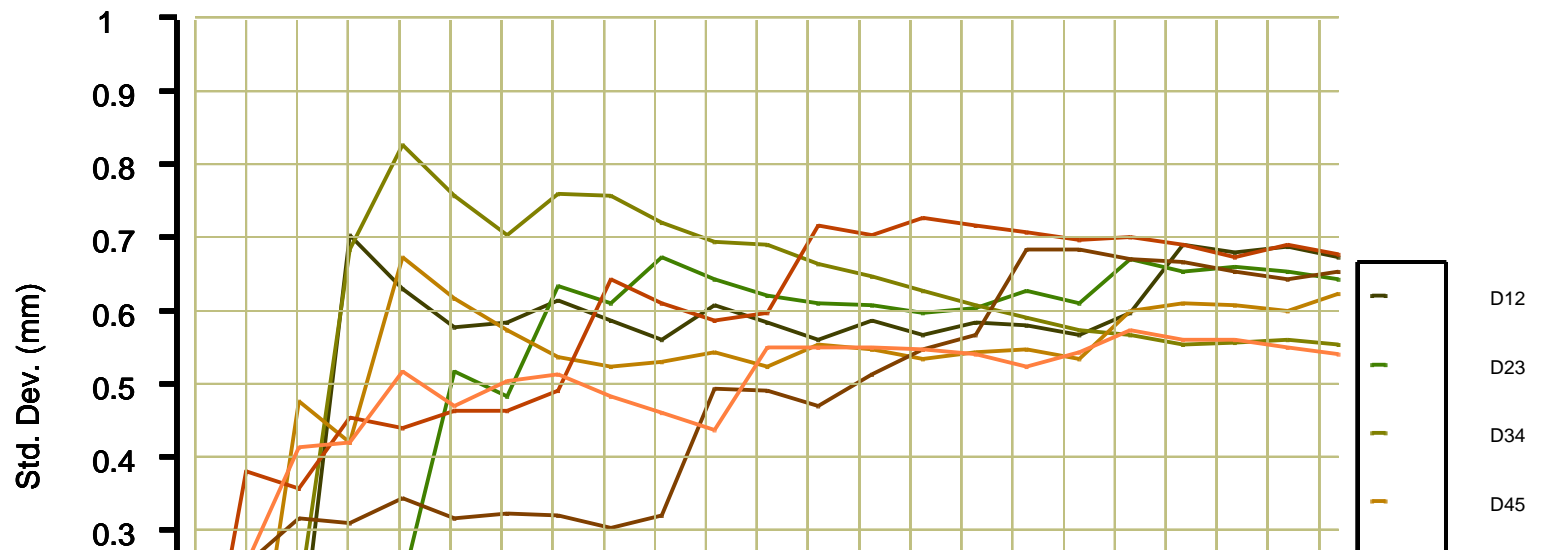
DET12 = 0.369289 m (± 0.69 mm)
 DET23 = 0.368878 m (± 0.68 mm)
 DET34 = 0.368393 m (± 0.67 mm)
 DET45 = 8.895258 m (± 0.61 mm)
 DET56 = 0.368495 m (± 0.50 mm)
 DET67 = 0.366835 m (± 0.68 mm)
 DET78 = 0.370220 m (± 0.71 mm)

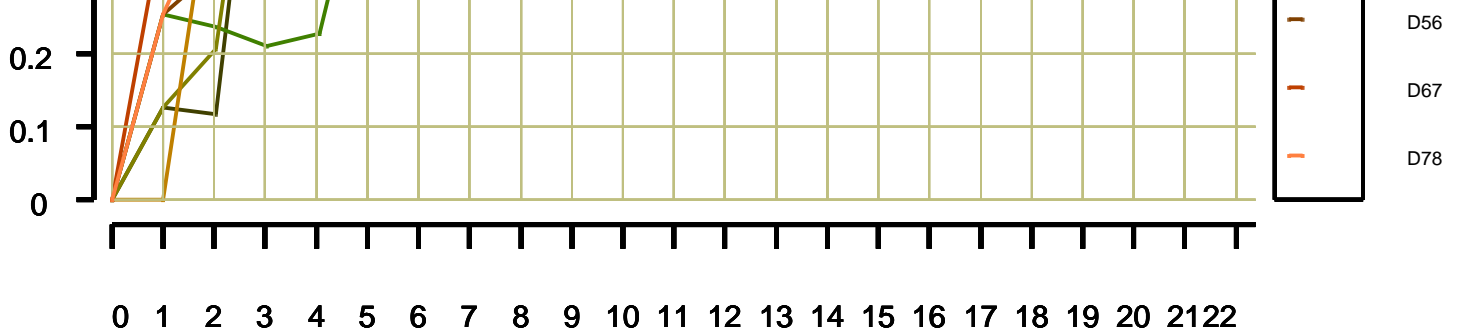


AFTER CALIBRATION

MAXIS Field Log

14-Jan-2019 – FSMT-E SN 701 – Cumulative Standard Deviation (at 1.5°C)





Calibration passes

DET12 = 0.369369 m (± 0.67 mm)

DET23 = 0.368321 m (± 0.64 mm)

DET34 = 0.368410 m (± 0.55 mm)

DET45 = 8.895102 m (± 0.63 mm)

DET56 = 0.368399 m (± 0.66 mm)

DET67 = 0.366334 m (± 0.68 mm)

DET78 = 0.370619 m (± 0.54 mm)

Company: **ENI U&TS**

Schlumberger

Well: **Annamaria B11**

Field: **Annamaria**

Log: **FSMT-E**

Country: **Italy**

FSMT-E RUN #1

Formation Subsidence Monitoring Tool

Log Interval 1785-950m