

DISCLAIMER

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OTHER SERVICES1

- OS1: FMS
- OS2: DSI
- OS3: VSI

REMARKS: RUN NUMBER 1

Hole drilled with RCB bottom hole assembly (BHA) at 9.875" BS

Drill pipe set at 1302.8mbrf (81mbrf).

Fluid type was sea water, displaced in the hole prior to logging.

Depth recorded from drill floor; logs presented as-logged without depth corrections or shifts, as per client instructions.

All logs presented in wireline measured depth below rig floor (MDBRF).

Caliper opened during upward passes; closed inside pipe and while logging down.

Hole size corrections made using caliper measurements for upward passes bit size

used for downlog corrections.

AHC used from TD then switched off to facilitate pipe entry.

Caliper closed prior to shutting off compensator at 1340mbrf for pipe entry

Hole obstructed at 1474.5mbrf (~80m from TD); logs conducted from that depth.





Significantly under-gauge hole (<6 in. vs. 9.875 in. bit size) observed at 1325mbrf.

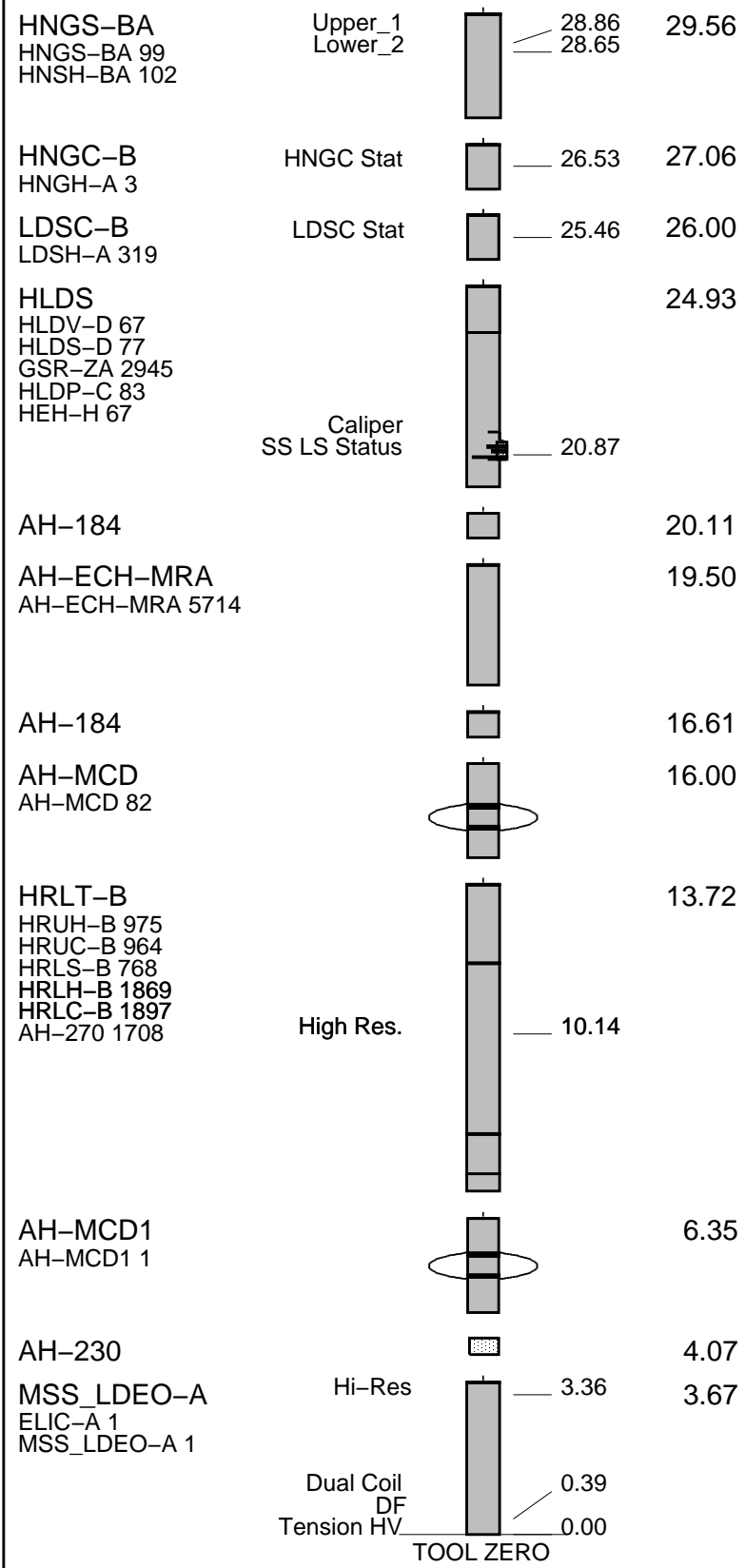
Downlog flipped and note the caliper closed logging down.

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION: 19C0-187			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1	RUN 2
SURFACE EQUIPMENT	
GSR-U 6098 WITM (DTS)-A	

DOWNHOLE EQUIPMENT	
LEH-QT  31.80	
LEH-QT 301	
AH-369  30.91	
DTC-H  30.48	
ECH-KC 9842  29.56	
CTEM 30.20	
TelStatus	
ToolStatu	



MAXIMUM STRING DIAMETER 3.75 IN
 MEASUREMENTS RELATIVE TO TOOL ZERO
 ALL LENGTHS IN METERS

Production String	(in)	(m)	Well Schematic	(m)	(in)	Casing String
	OP	ID		MD	MD	

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

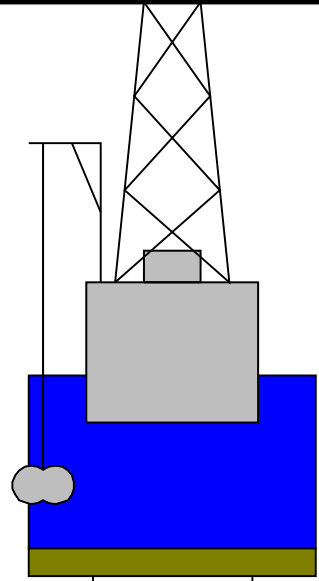
Seismic Gun depth below MSL

0.0

0.0

11.1

7.0



0.0

5.500

4.125

1221.8
1302.8

9.875
5.500

4.125

1552.4

9.875

Sea Floor
Pipe

Driller's TD

Schlumberger

Downlog

MAXIS Field Log

Company: International Ocean Discovery Program

Well: Expedition 396, Site U1572A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_026LUP	PRODUCER	14-Sep-2021 22:06	1474.5 M	1186.4 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_027PUP	FN:19	PRODUCER	14-Sep-2021 22:06	1474.5 M	1186.4 M
RTB	MSS_LDEO_HRLA_LDL_027PUP	FN:20	PRODUCER	14-Sep-2021 22:06	1474.5 M	1186.4 M

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187

PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)
(GAPI) 0 100

Area1
From HCGR to HSGR

HNGS Computed Gamma Ray (HCGR)
(GAPI) 0 100

HNGS Borehole Potassium (HBHK)
(V/V) -0.01 0.01

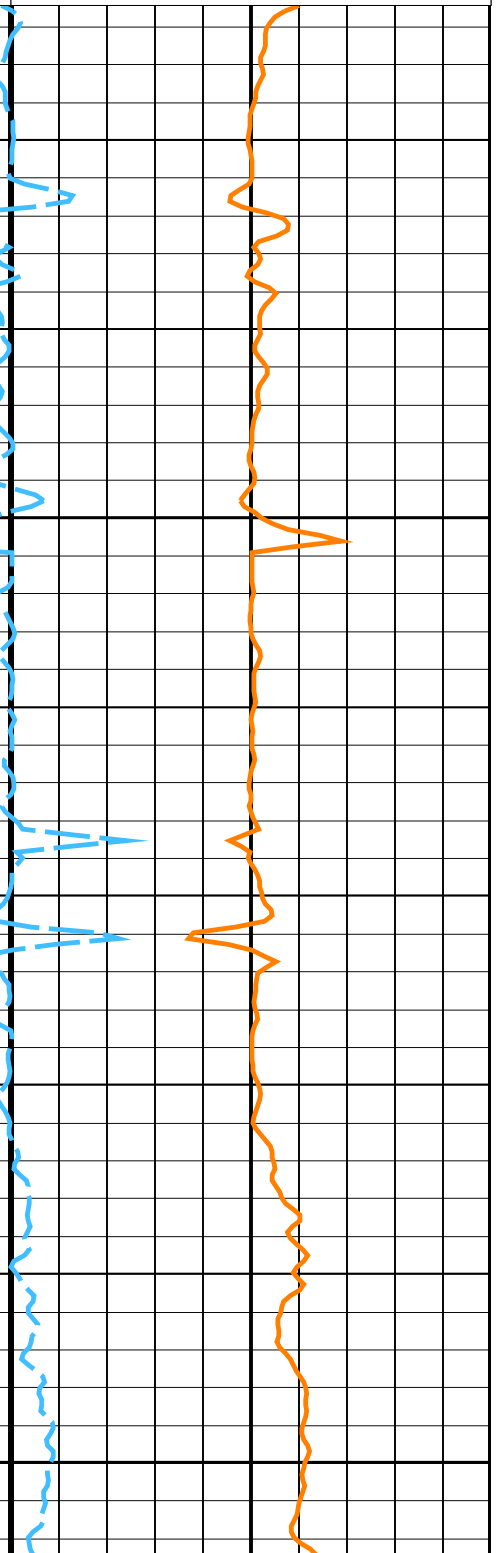
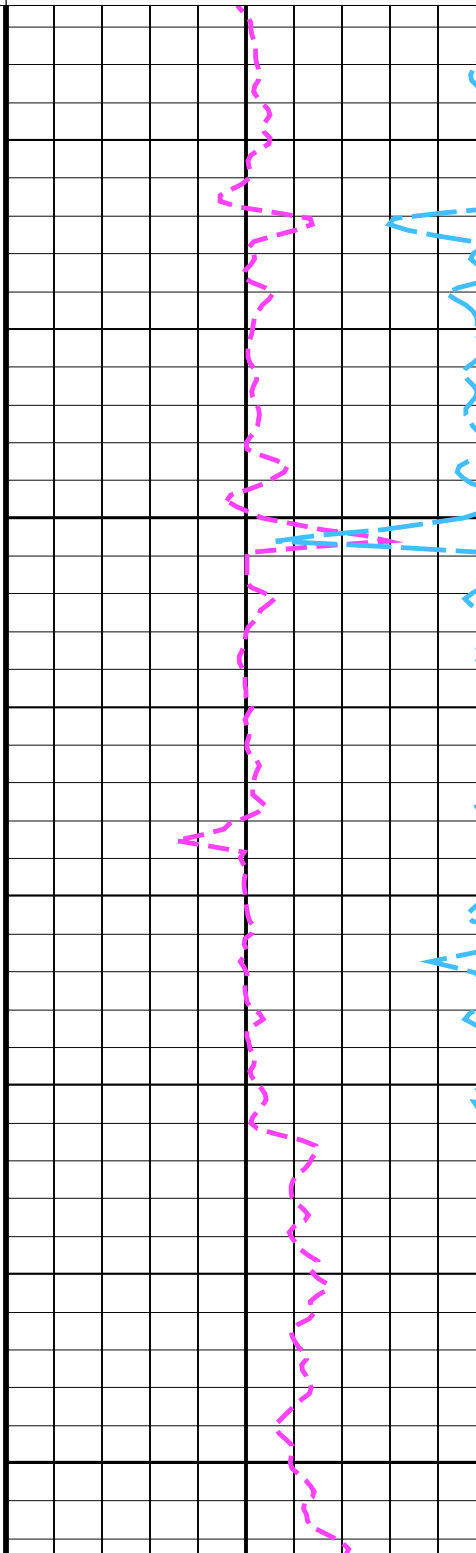
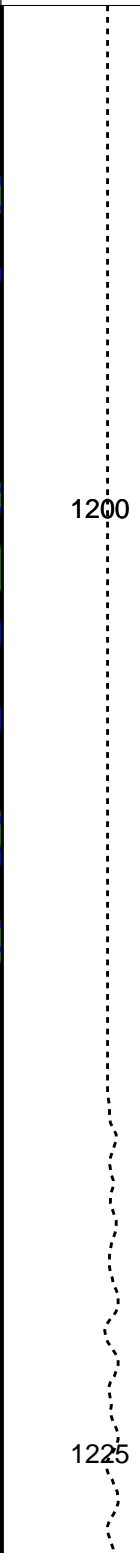
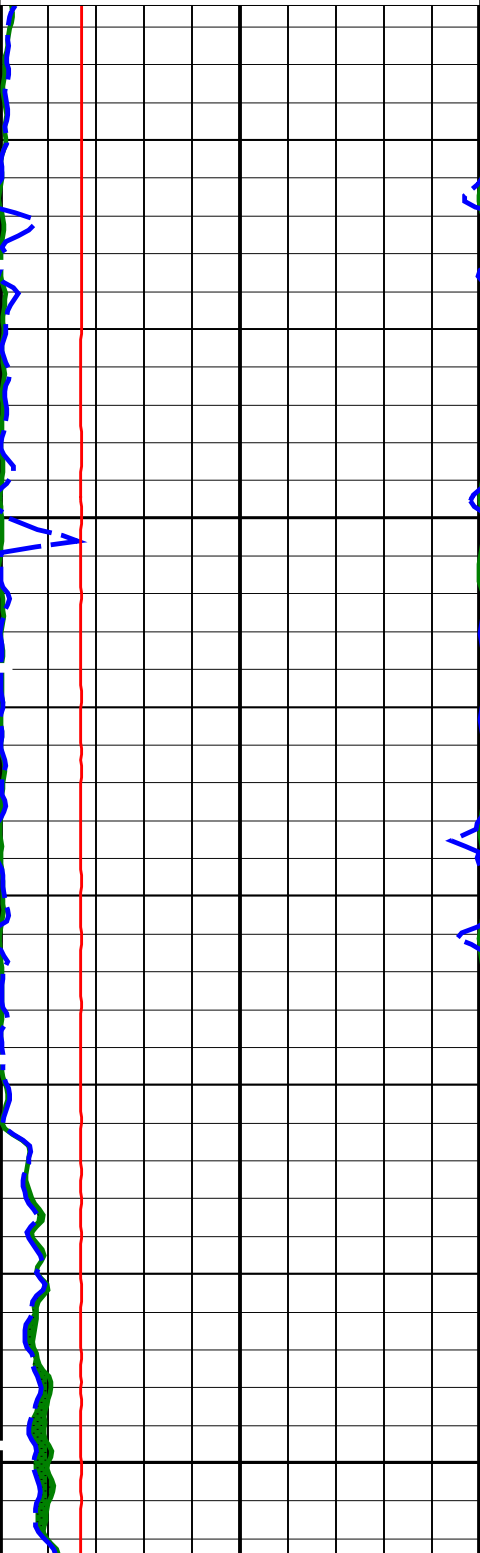
HNGS Uranium (HURA)
(PPM) -5 5

HLDS Caliper (LCAL)
(IN) 0 20

Tension (TENS) (LBF)
10000 0

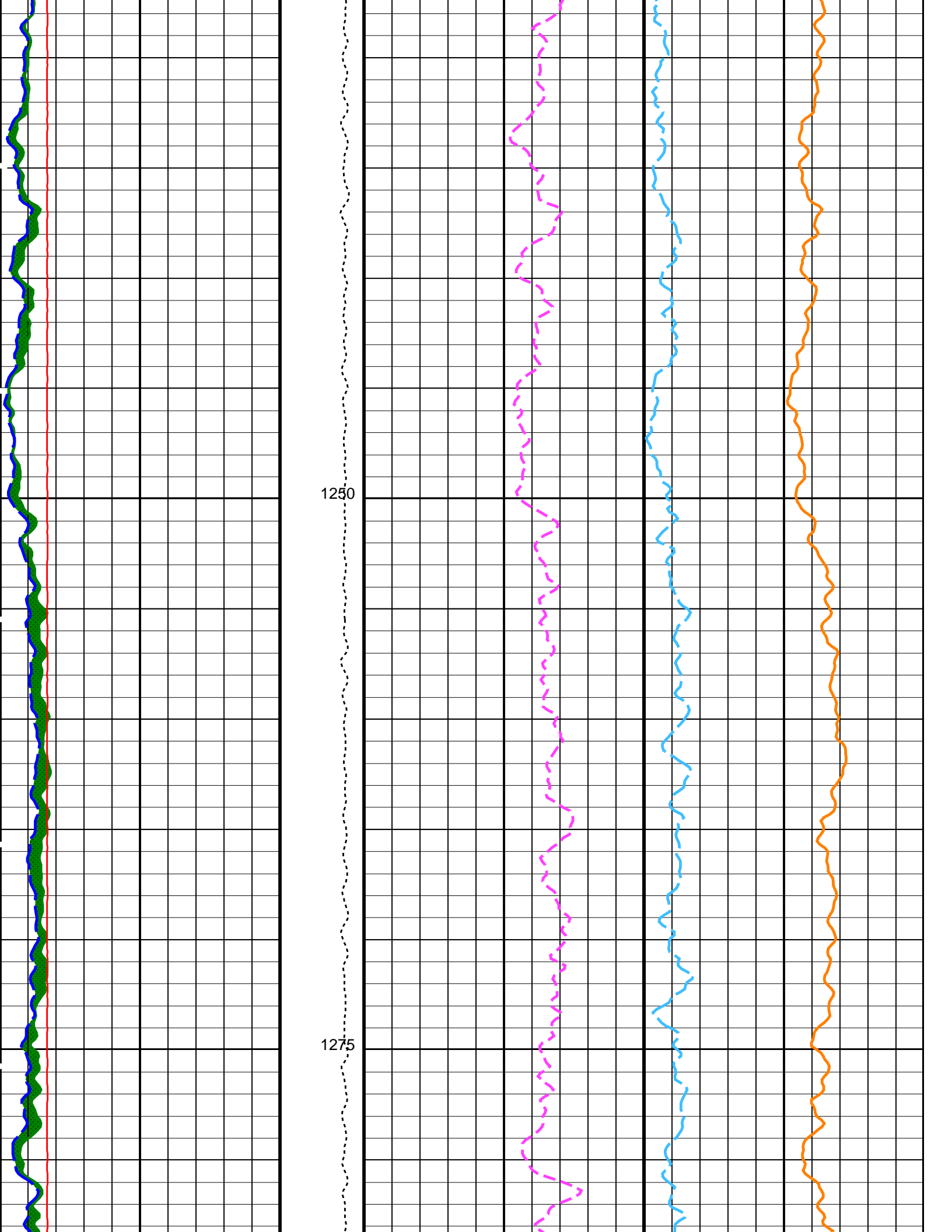
HNGS Thorium (HTHO)
(PPM) -5 5

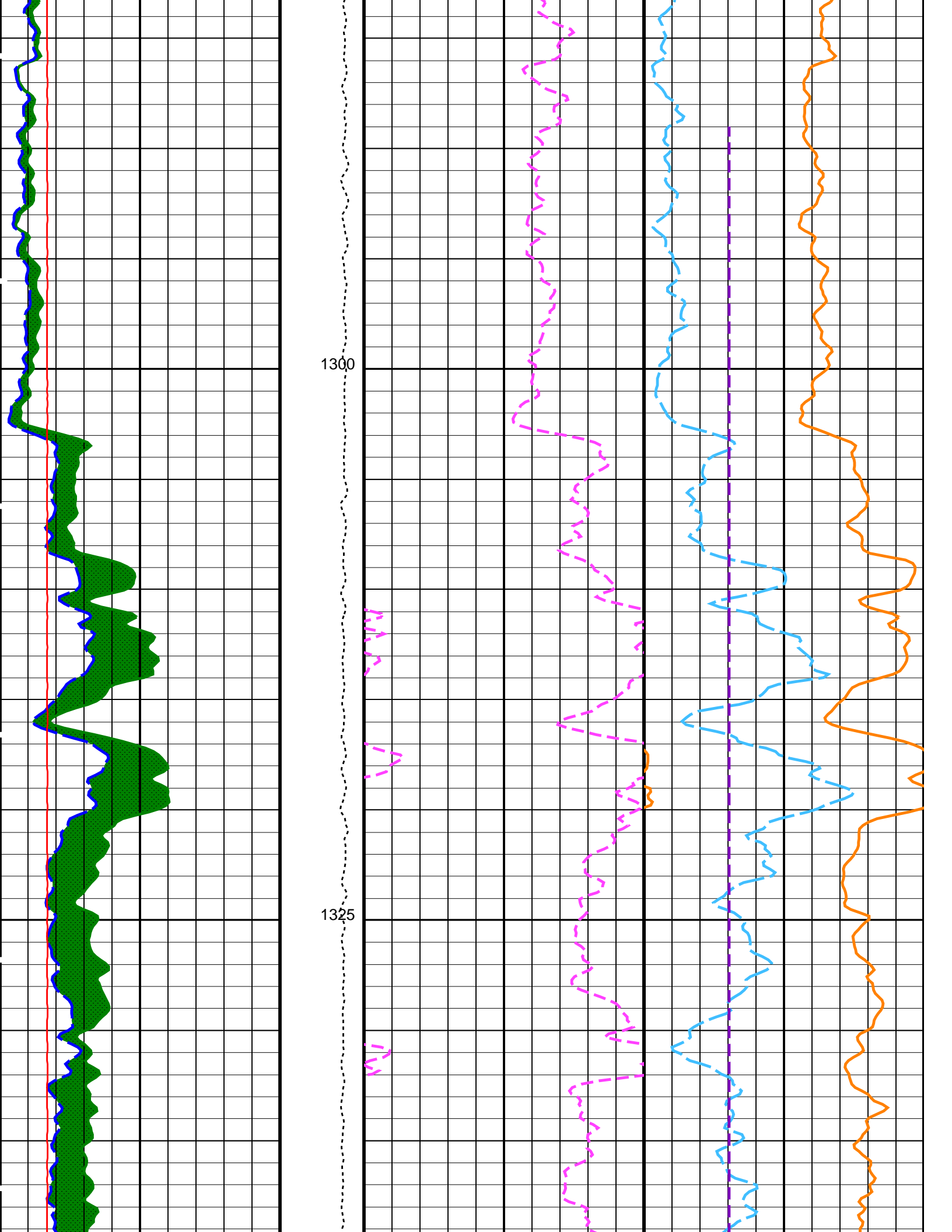
HNGS Potassium (HFK)
(V/V) -0.01 0.01

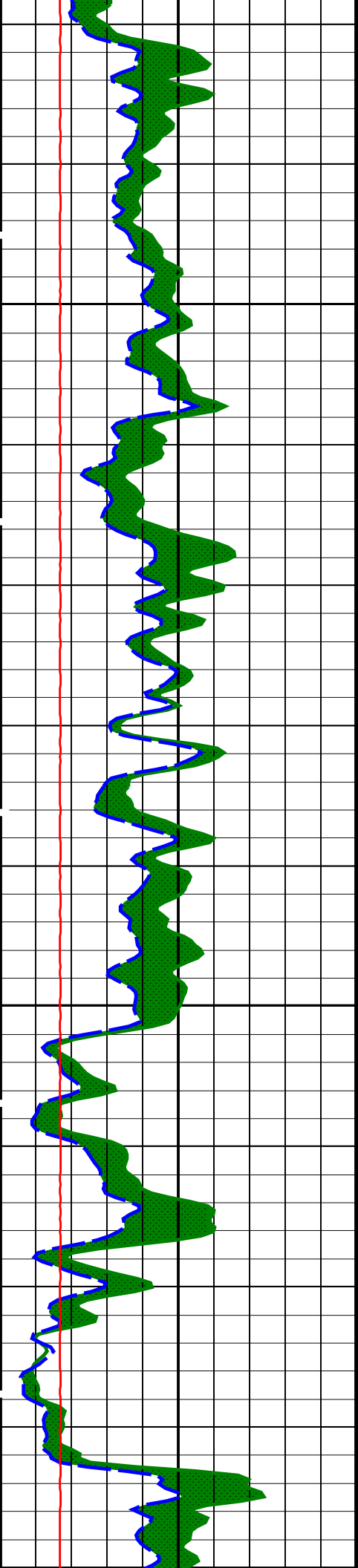


1200

1225

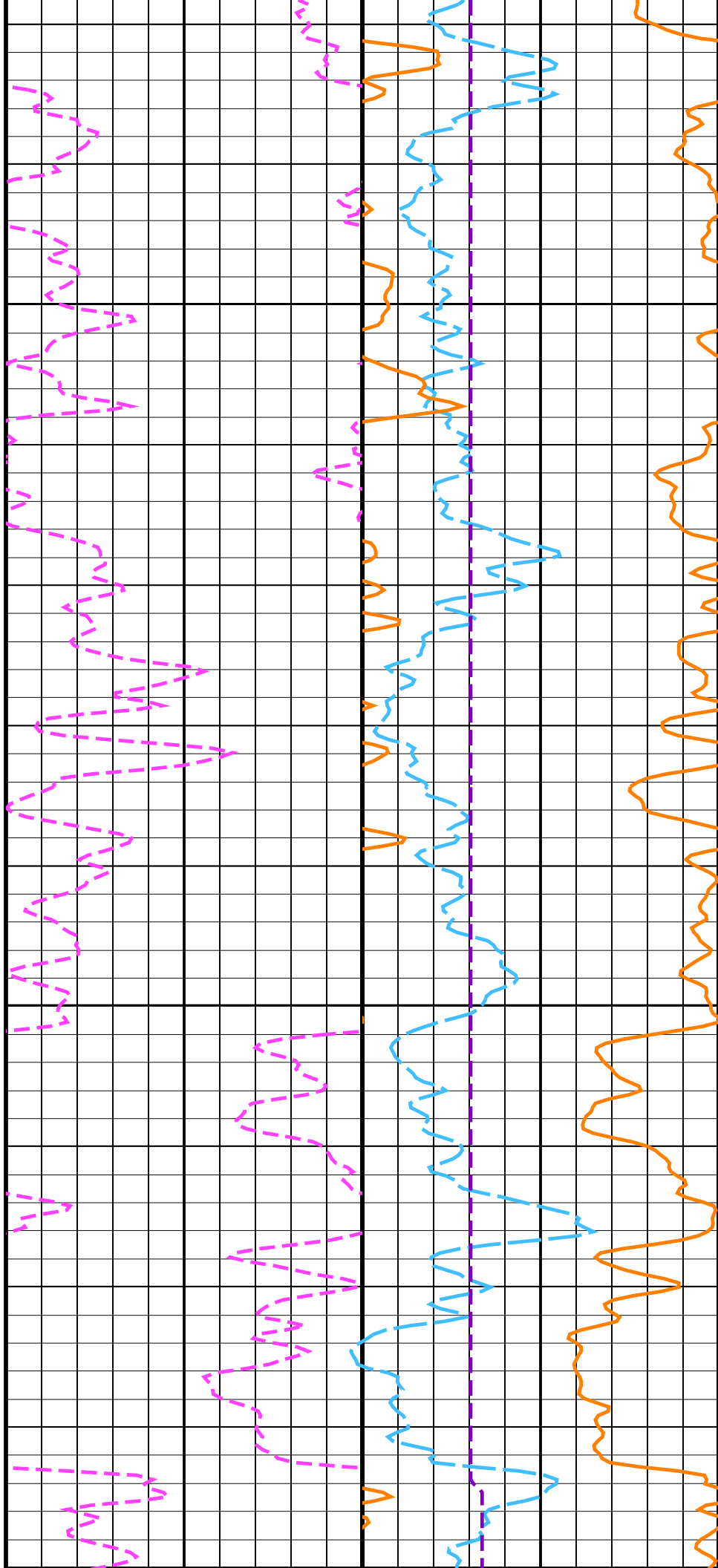


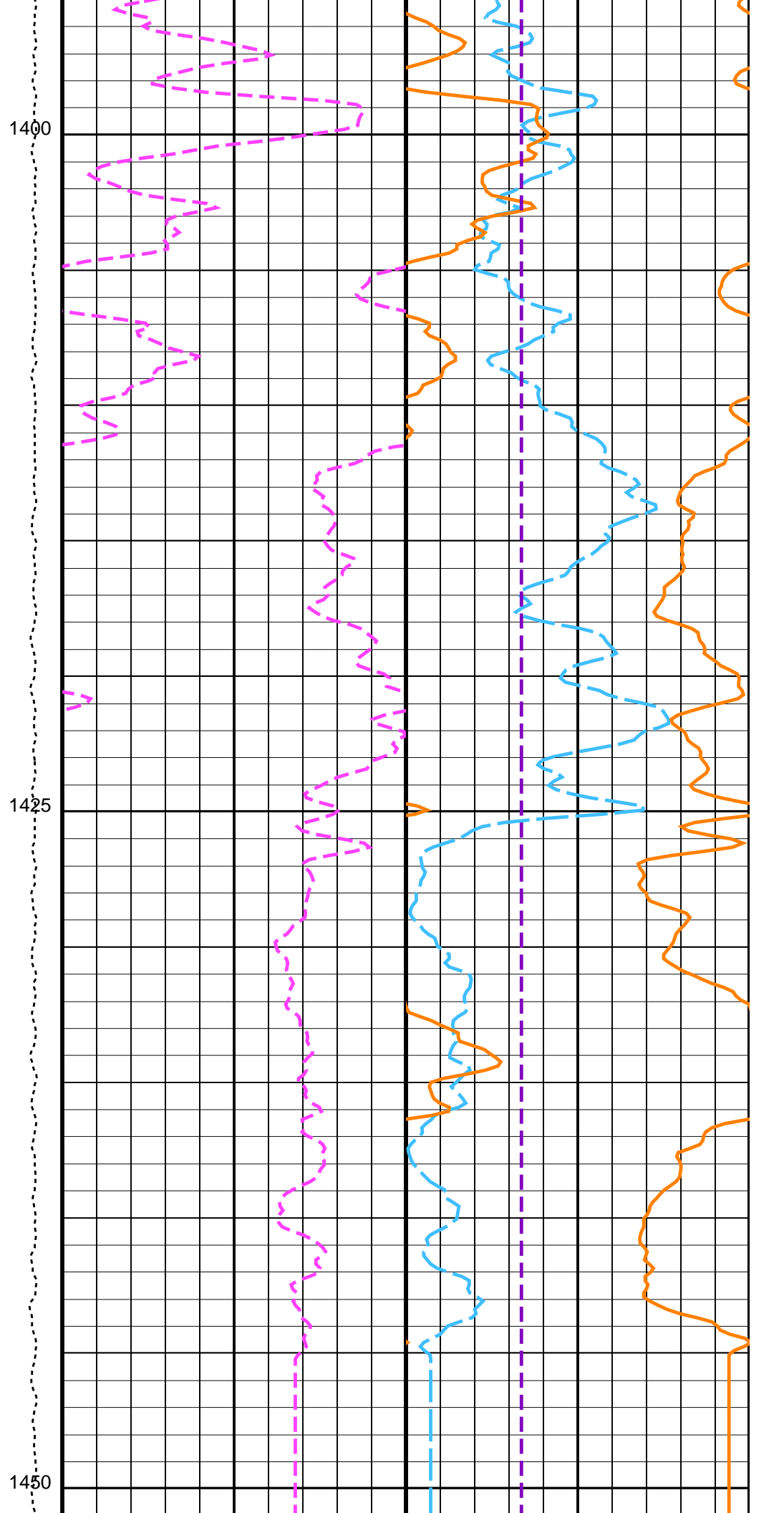
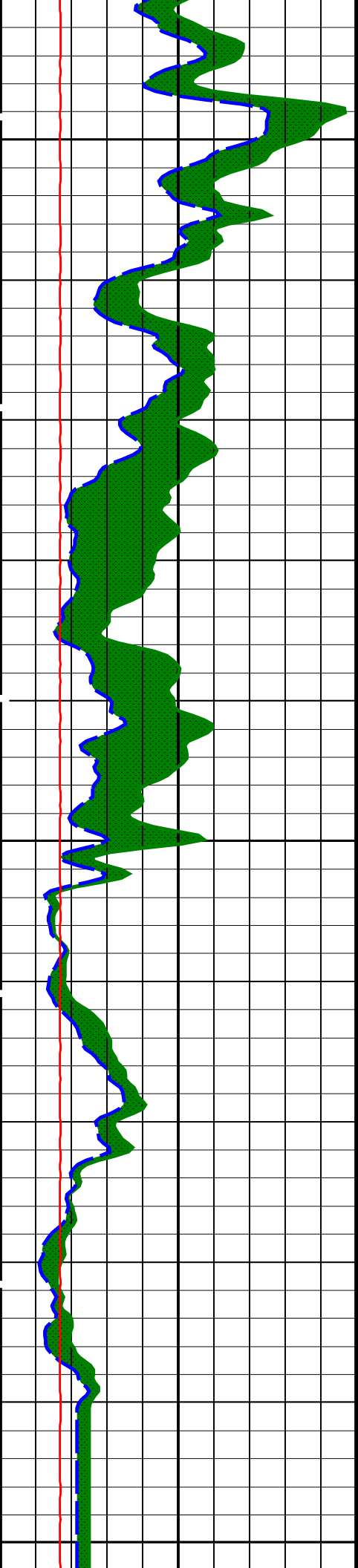


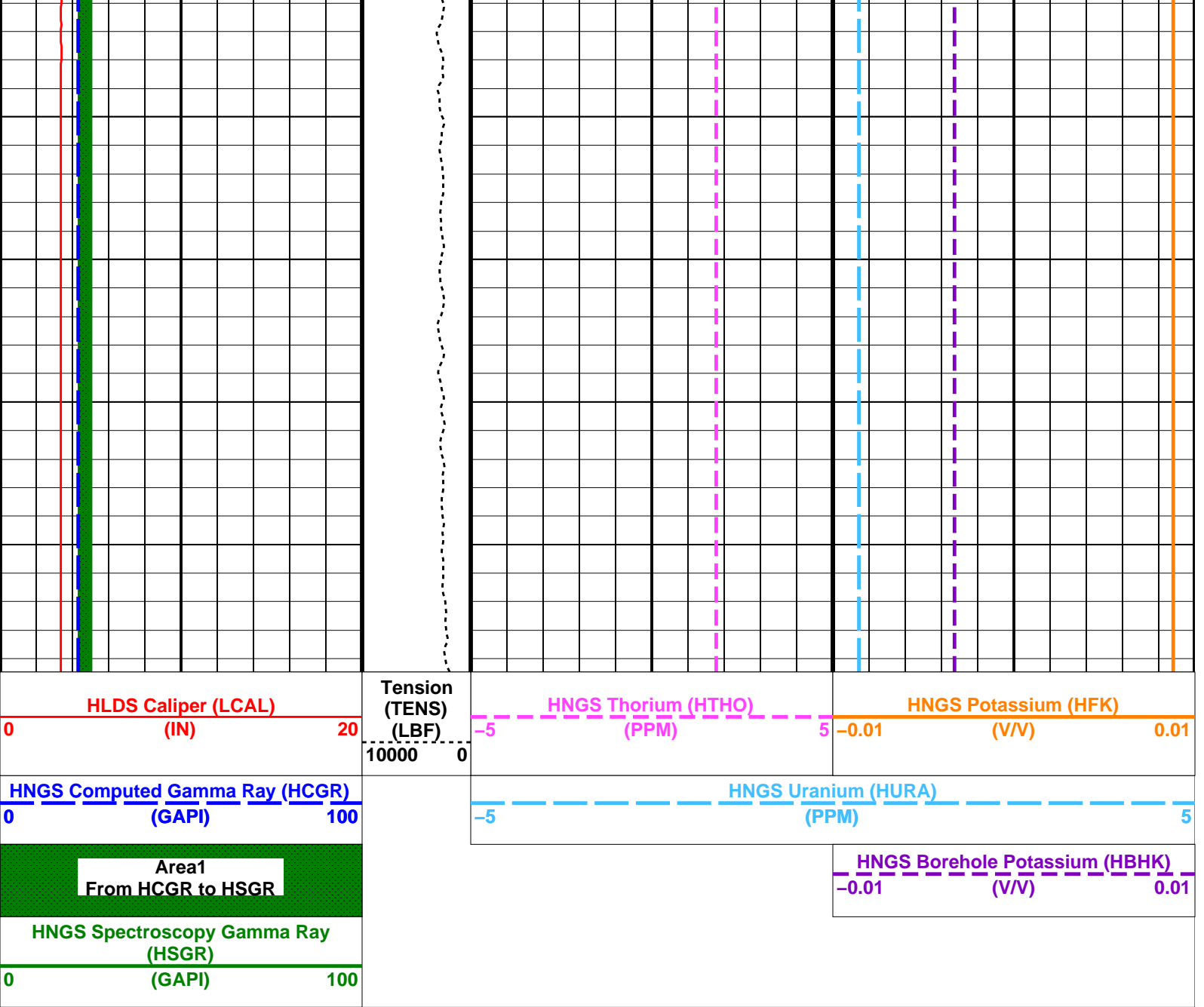


1350

1375







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	LCAL
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.0102276
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
HNPE	HNGS Processing Enable	YES
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS

SZBI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.971082	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.976773	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 14-Sep-2021 22:06

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_026LUP	PRODUCER	14-Sep-2021 22:06	1474.5 M	1186.4 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_027PUP	FN:19	PRODUCER	14-Sep-2021 22:06	
RTB	MSS_LDEO_HRLA_LDL_027PUP	FN:20	PRODUCER	14-Sep-2021 22:06	

Company: International Ocean Discovery Program Well: Expedition 396, Site U1572A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_026LUP	PRODUCER	14-Sep-2021 22:06	1474.5 M	1186.4 M
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Output DLIS Files

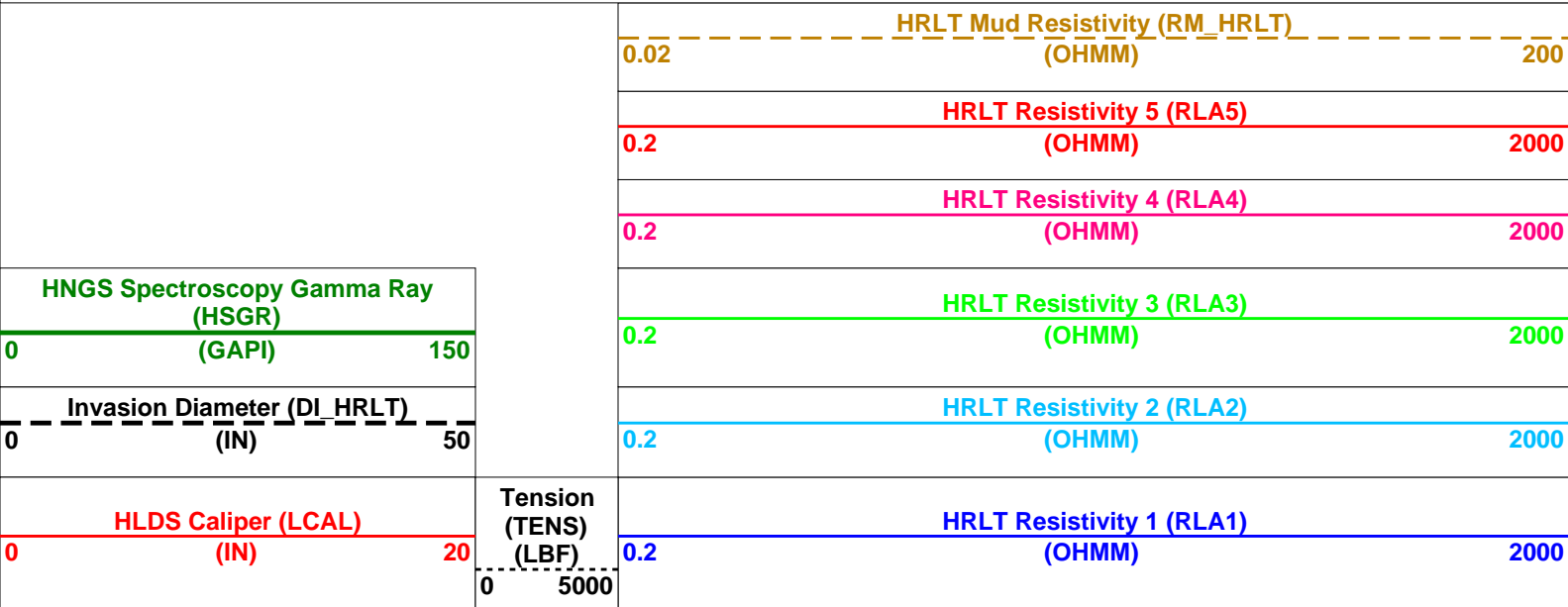
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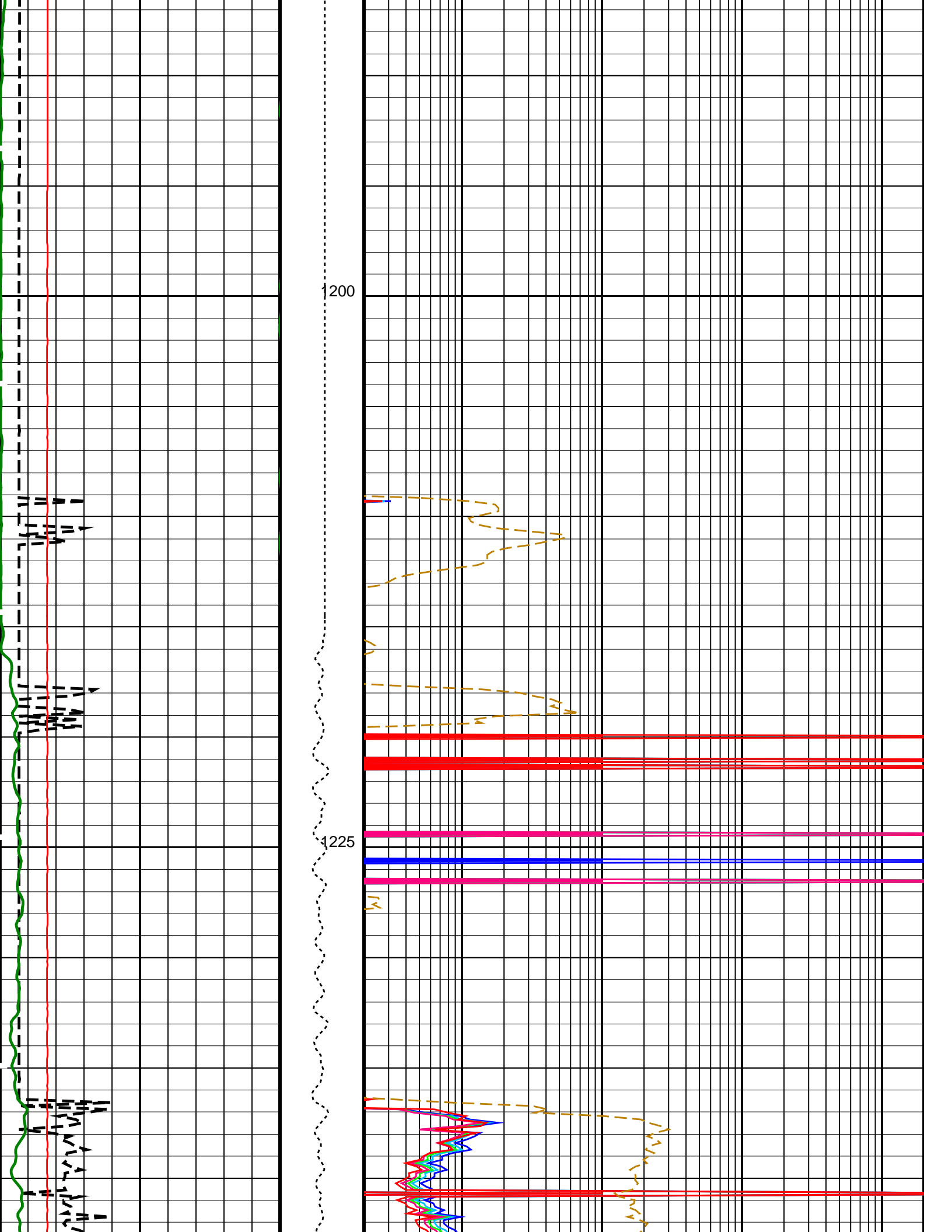
OP System Version: 19C0-187

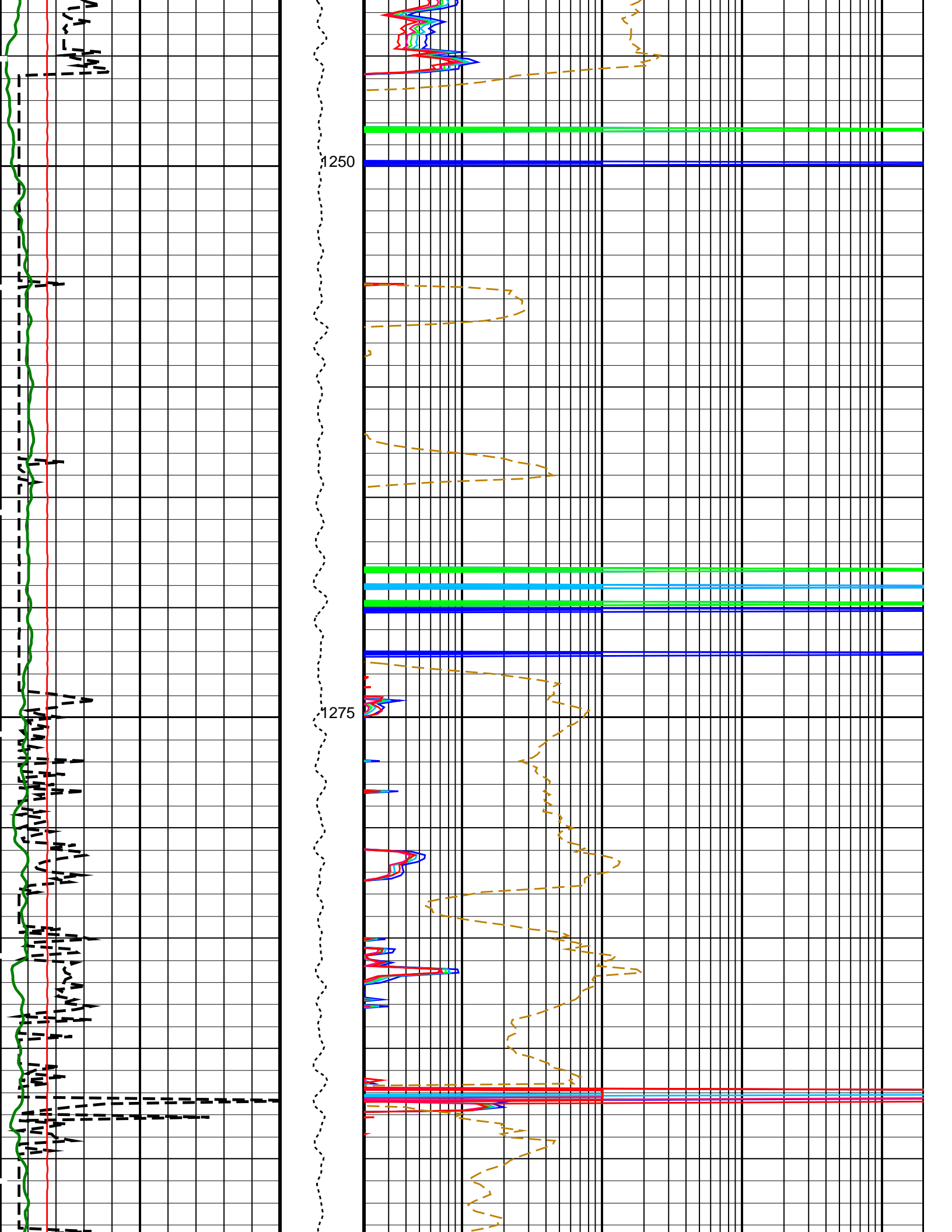
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

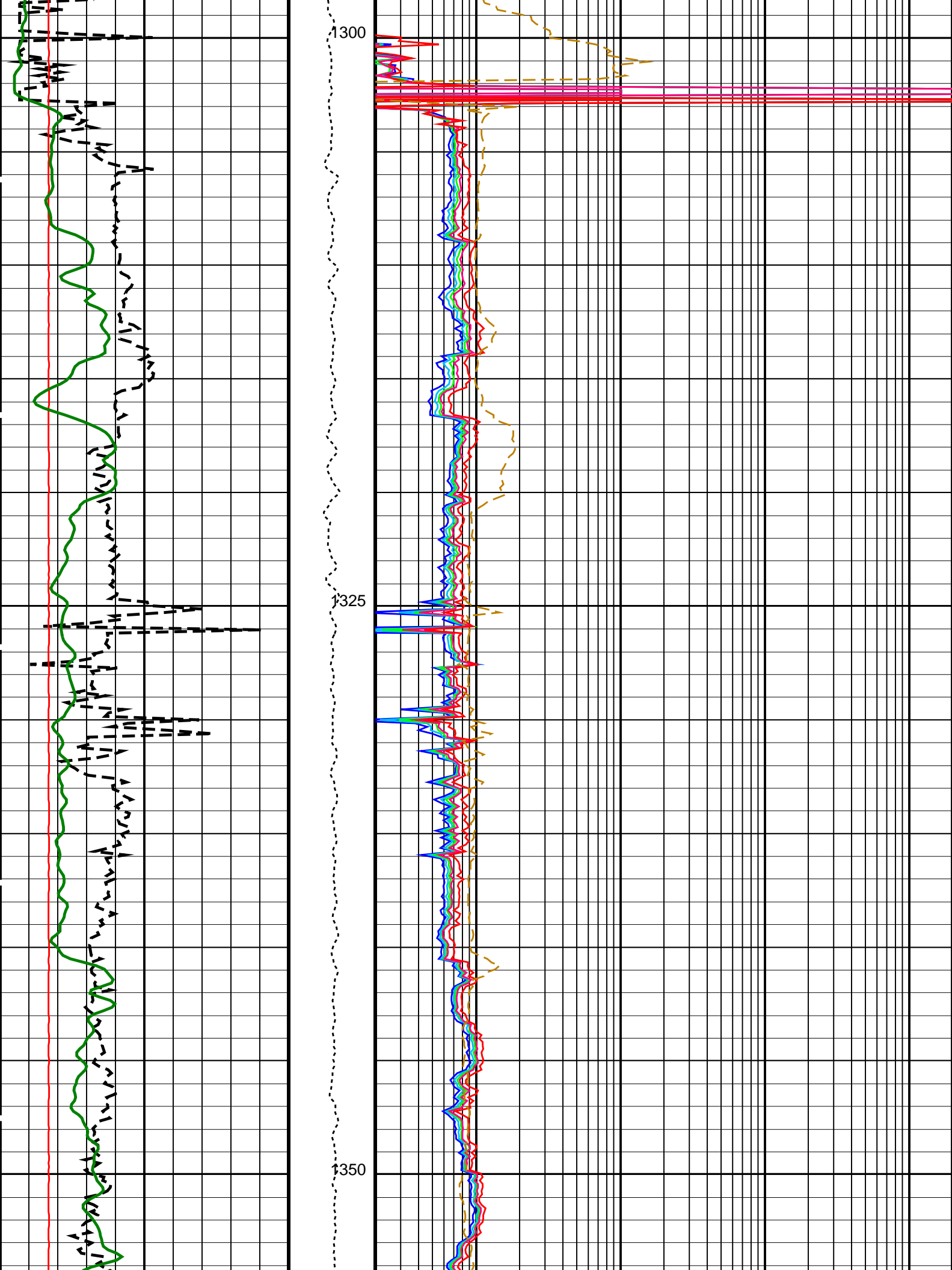
PIP SUMMARY

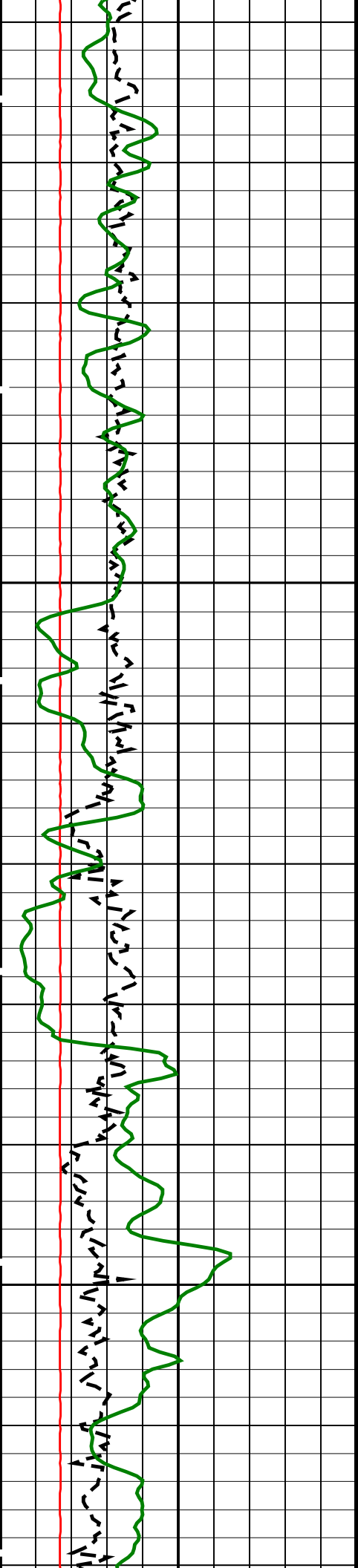
Time Mark Every 60 S





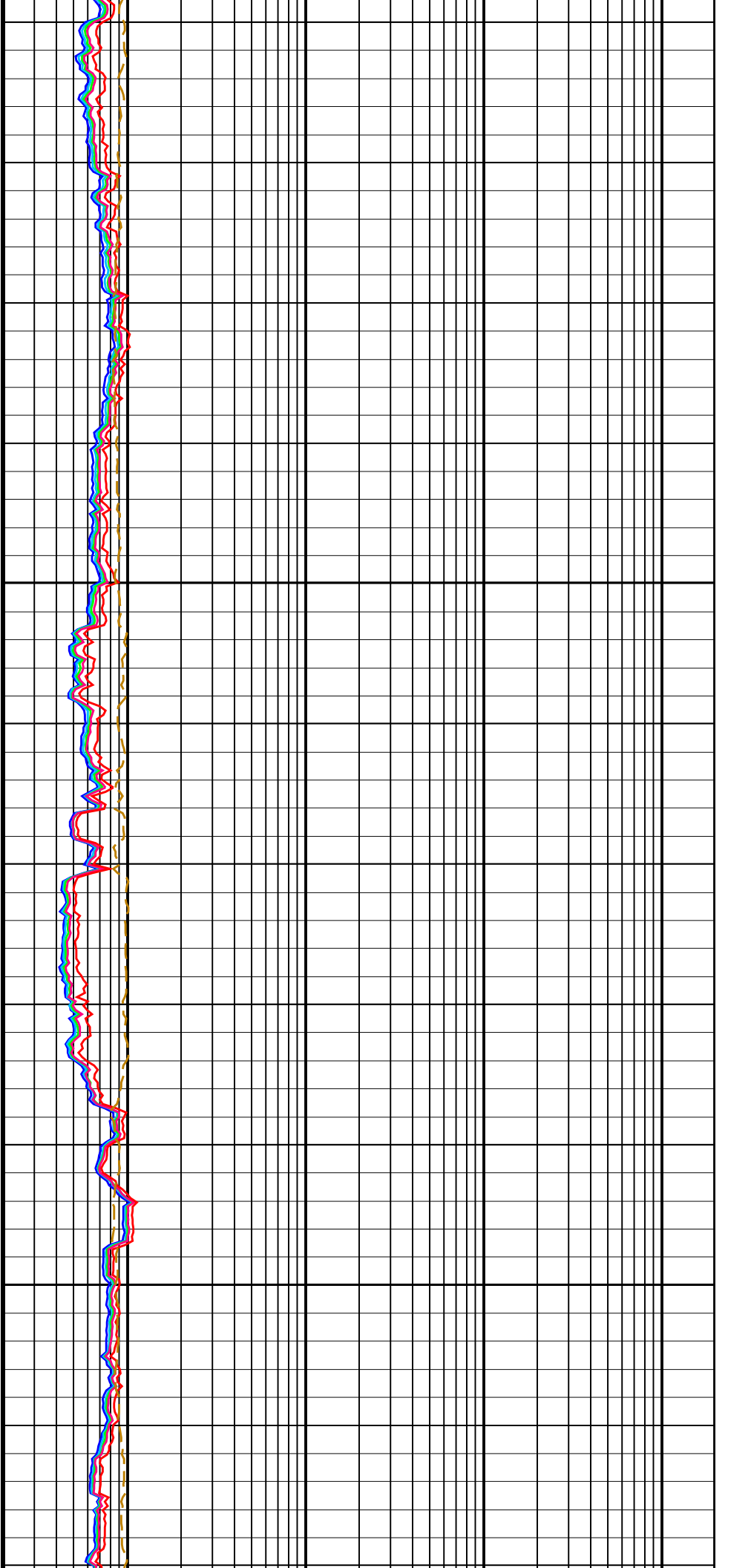


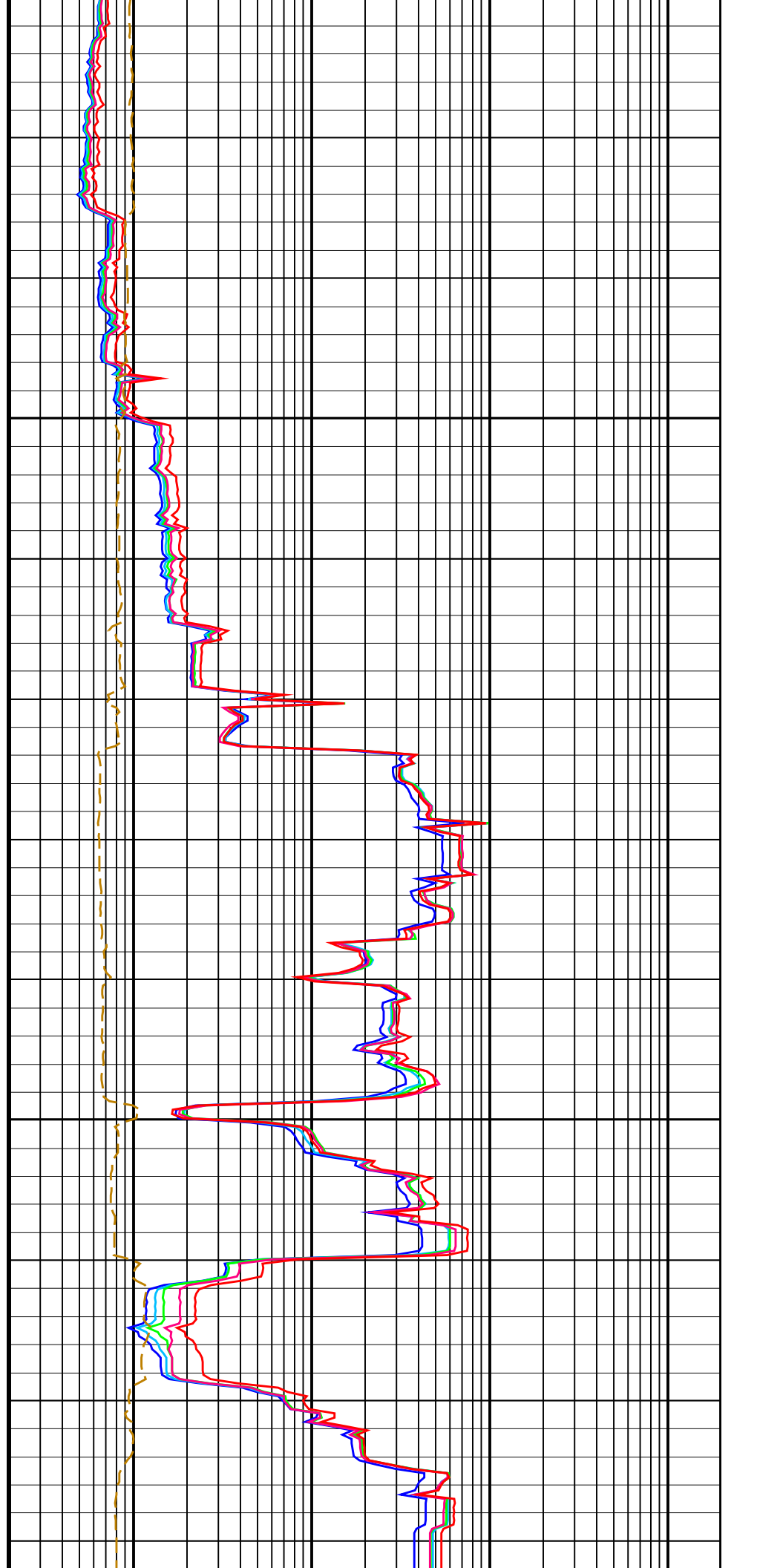
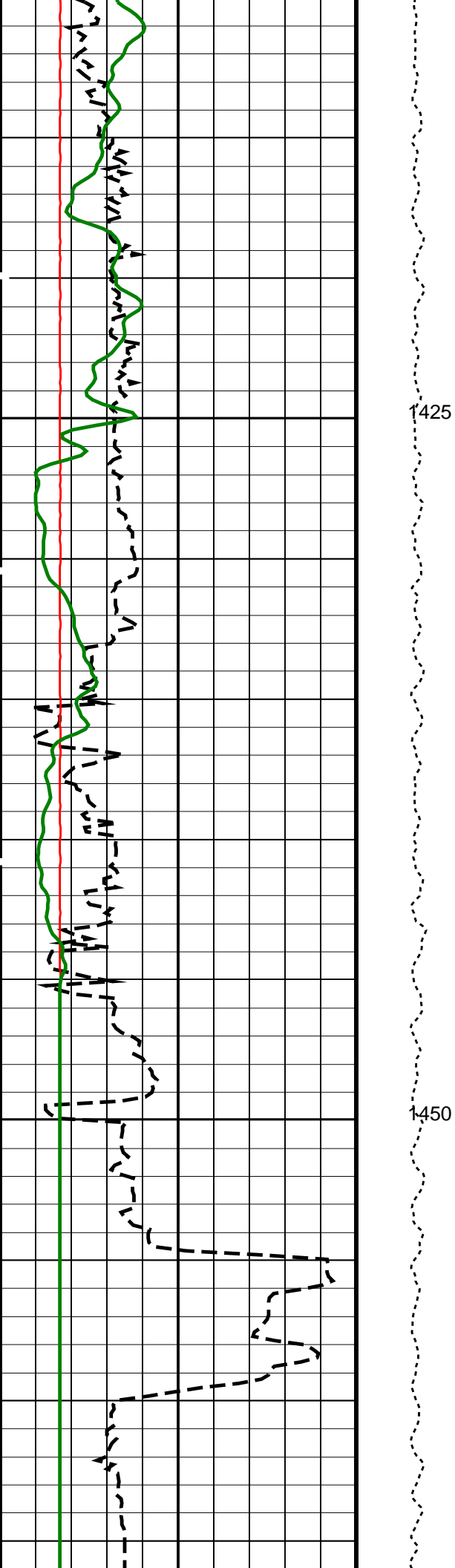




1375

1400





HLDS Caliper (LCAL) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	HRLT Resistivity 1 (RLA1) 0.2 (OHMM) 2000
Invasion Diameter (DI_HRLT) 0 (IN) 50		HRLT Resistivity 2 (RLA2) 0.2 (OHMM) 2000
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 150		HRLT Resistivity 3 (RLA3) 0.2 (OHMM) 2000
		HRLT Resistivity 4 (RLA4) 0.2 (OHMM) 2000
		HRLT Resistivity 5 (RLA5) 0.2 (OHMM) 2000
		HRLT Mud Resistivity (RM_HRLT) 0.02 (OHMM) 200

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	7	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
PROGINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMFO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Eccentered	
SHT	Surface Hole Temperature	20	DEGC
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	7	DEGC
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0102276	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS

SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.971082	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.976773	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	
TD	Total Depth	2292	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 14-Sep-2021 22:06

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_026LUP	PRODUCER	14-Sep-2021 22:06	1474.5 M	1186.4 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_027PUP	FN:19	PRODUCER	14-Sep-2021 22:06
RTB	MSS_LDEO_HRLA_LDL_027PUP	FN:20	PRODUCER	14-Sep-2021 22:06

Company: International Ocean Discovery Program Well: Expedition 396, Site U1572A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_026LUP	PRODUCER	14-Sep-2021 22:06	1474.5 M	1186.4 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_027PUP	FN:19	PRODUCER	14-Sep-2021 22:06	1474.5 M	1186.4 M
RTB	MSS_LDEO_HRLA_LDL_027PUP	FN:20	PRODUCER	14-Sep-2021 22:06	1474.5 M	1186.4 M

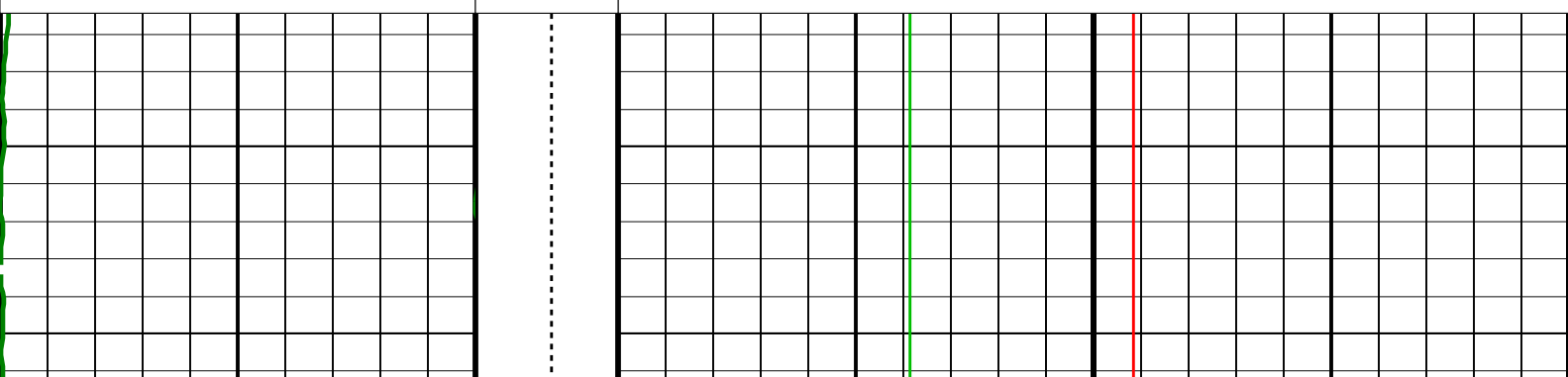
OP System Version: 19C0-187

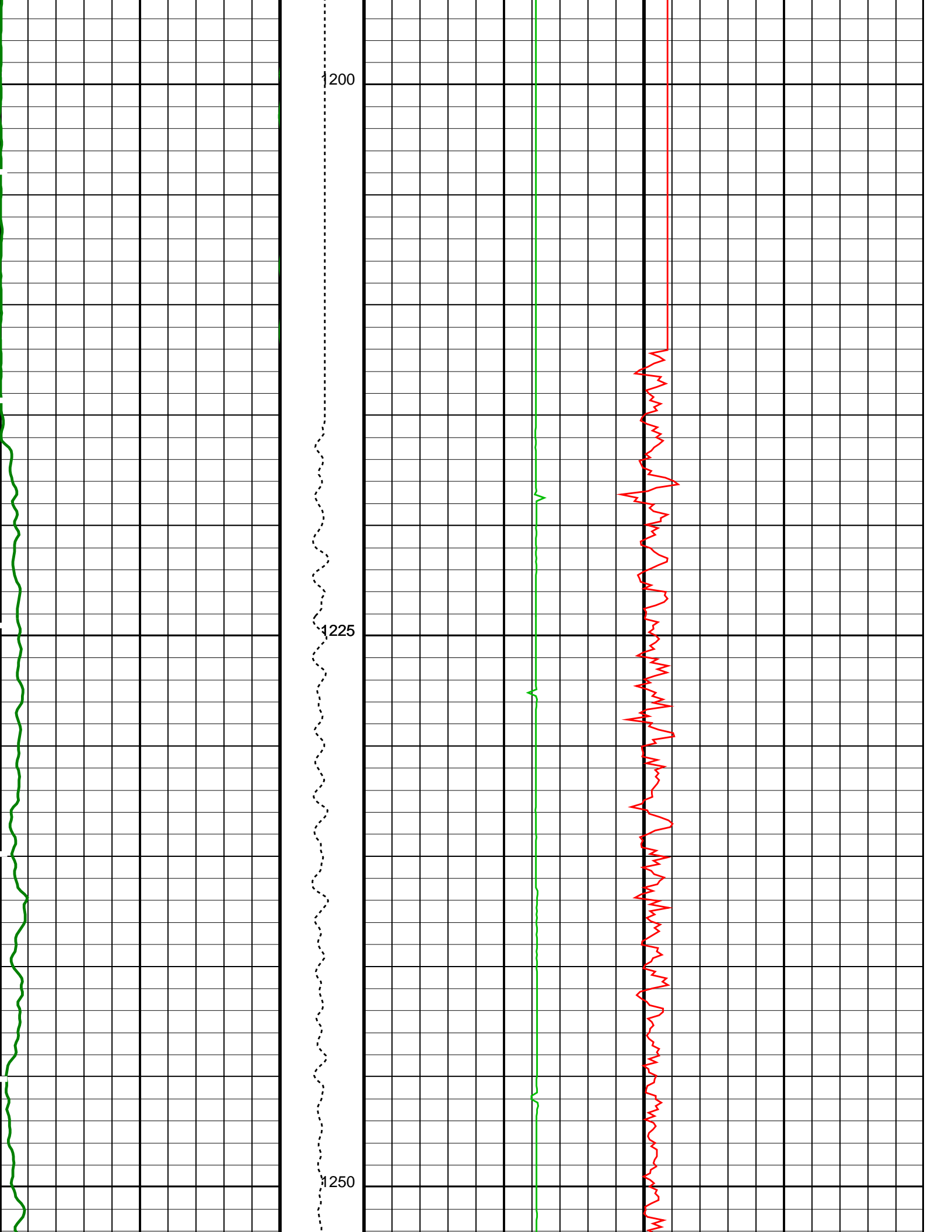
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

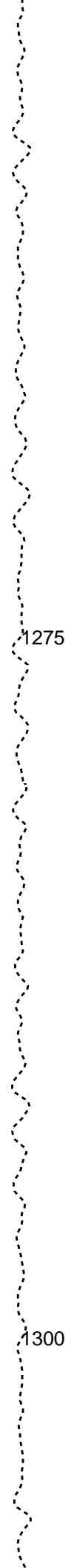
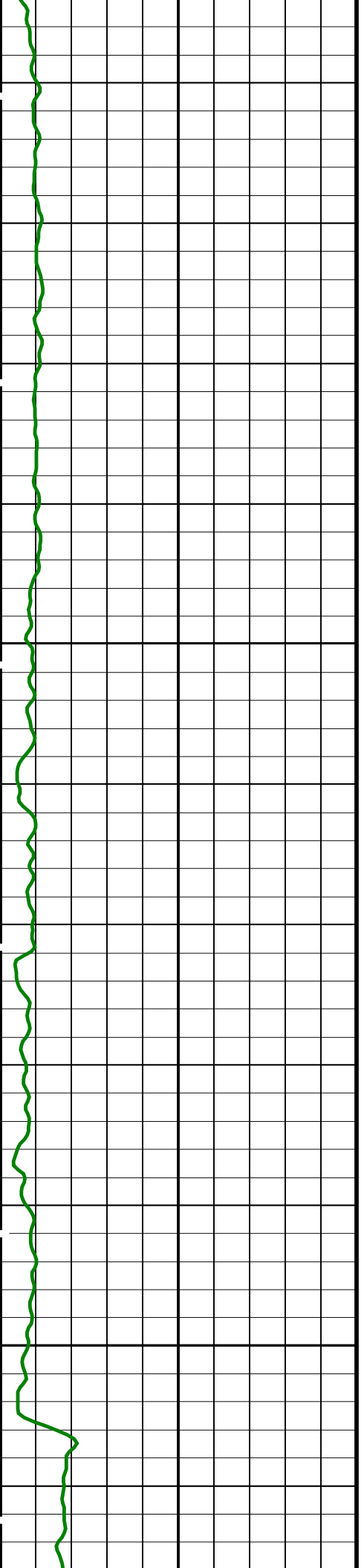
PIP SUMMARY

Time Mark Every 60 S

		Dual-Coil Susceptibility (MSSLSUS_LDEO)	
		-10000	90000
		(PPM)	
HNGS Spectroscopy Gamma Ray (HSGR)		Axial Acceleration (MSSZACC_LDEO)	
(GAPI)		(M/S2)	
0	150	0	20
		Tension (TENS) (LBF)	
		0	5000

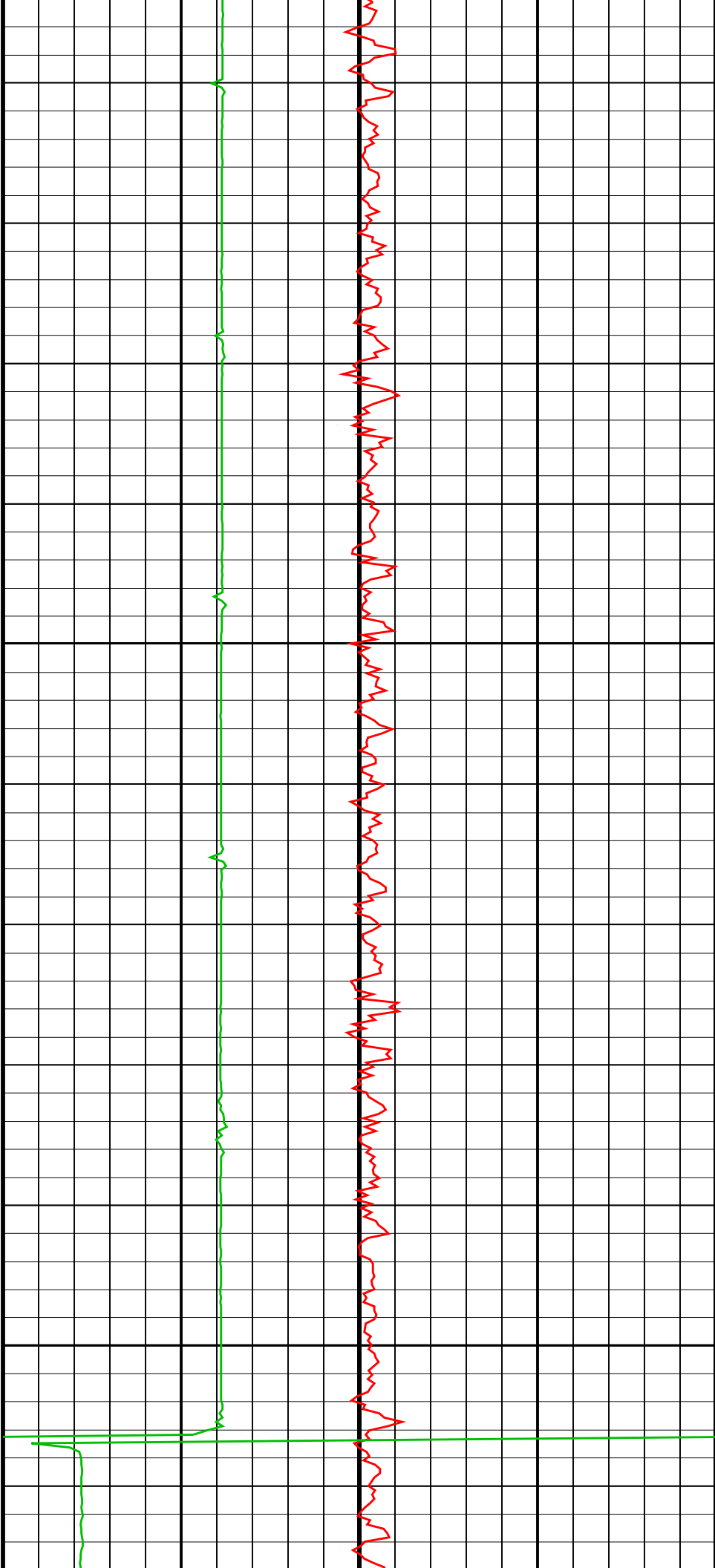


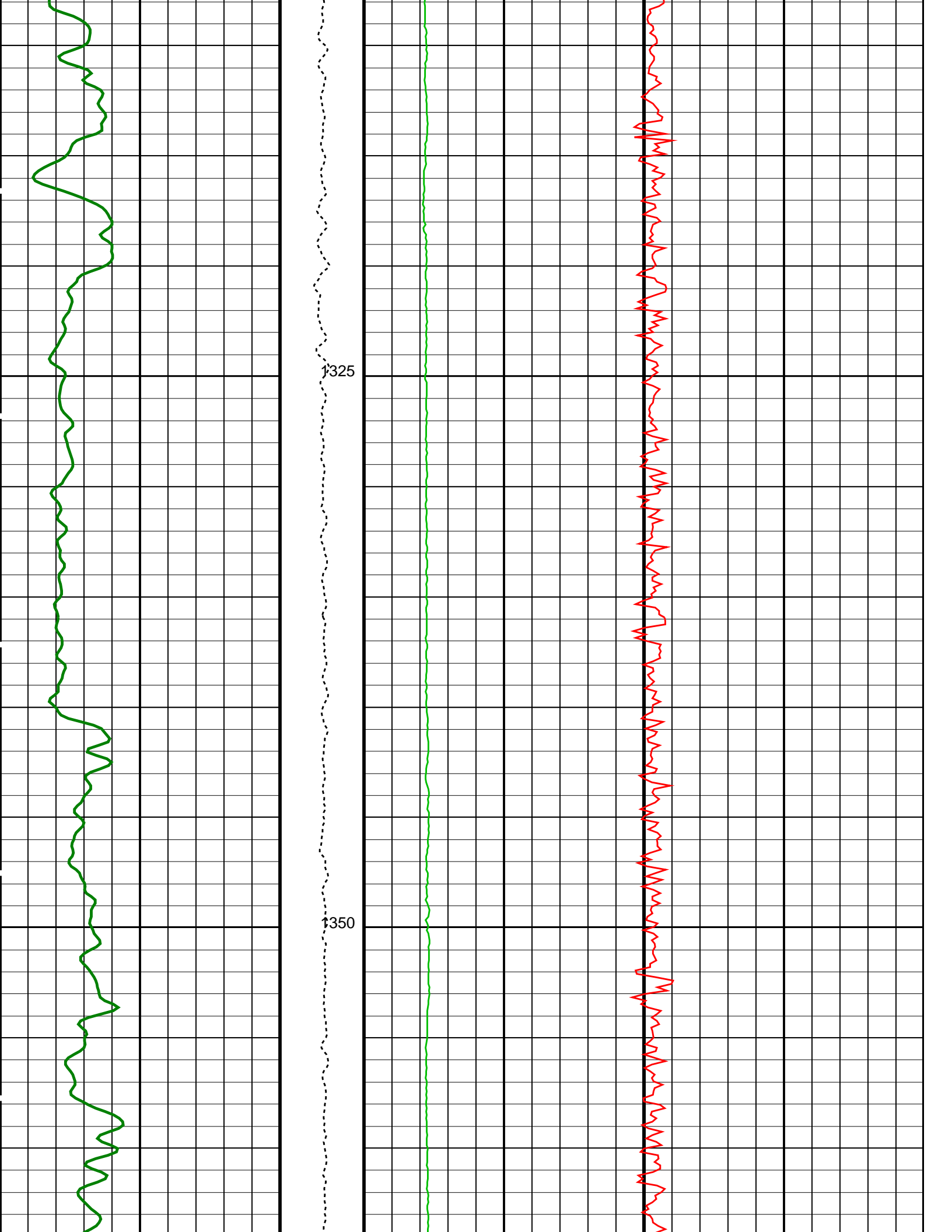


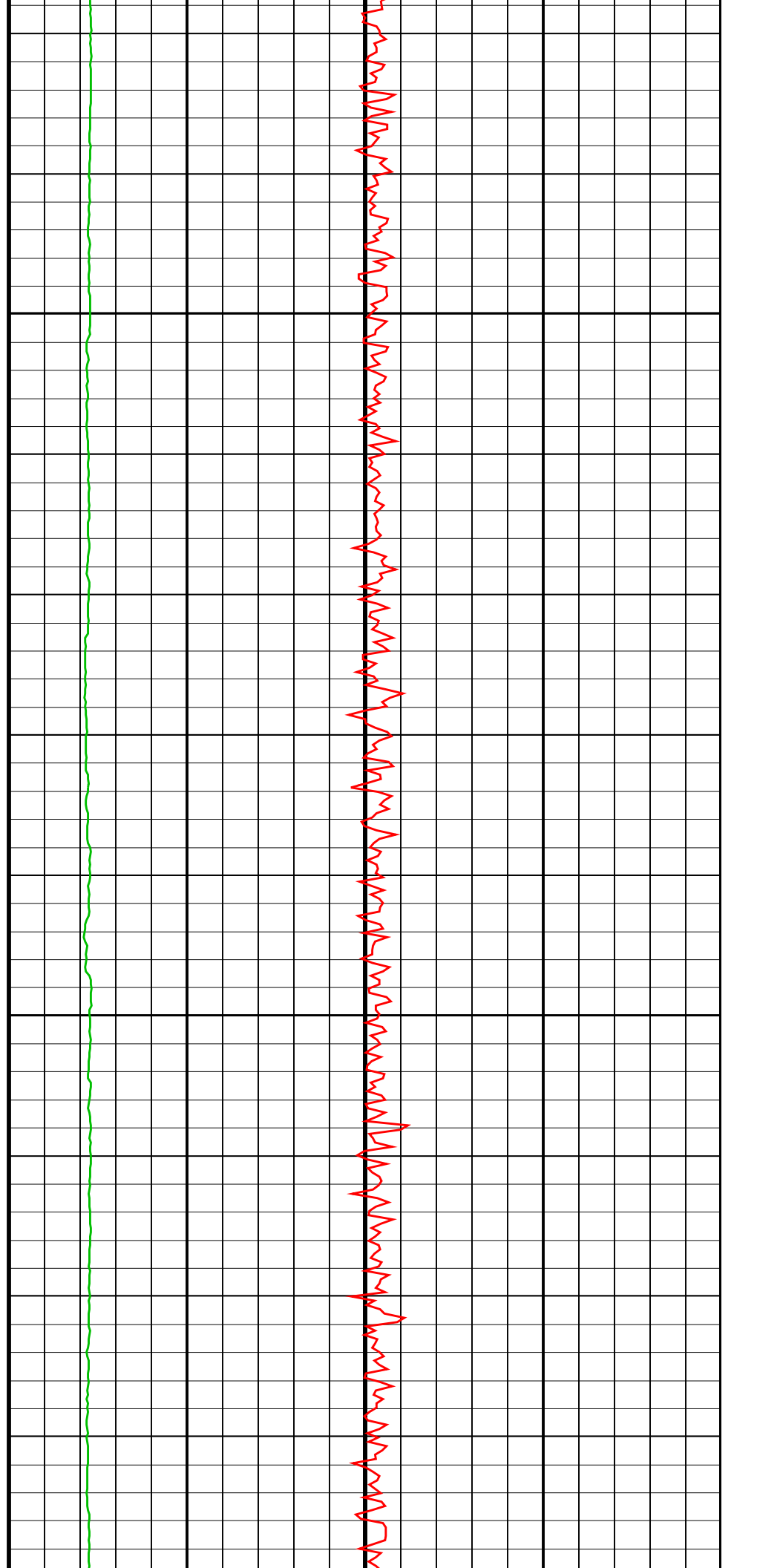
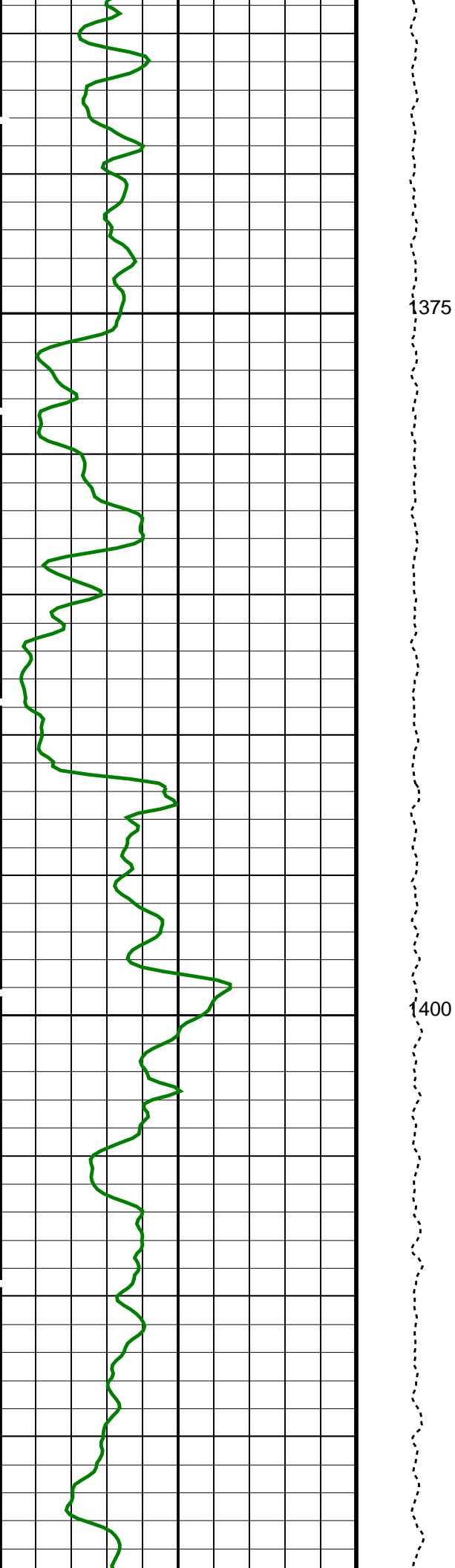


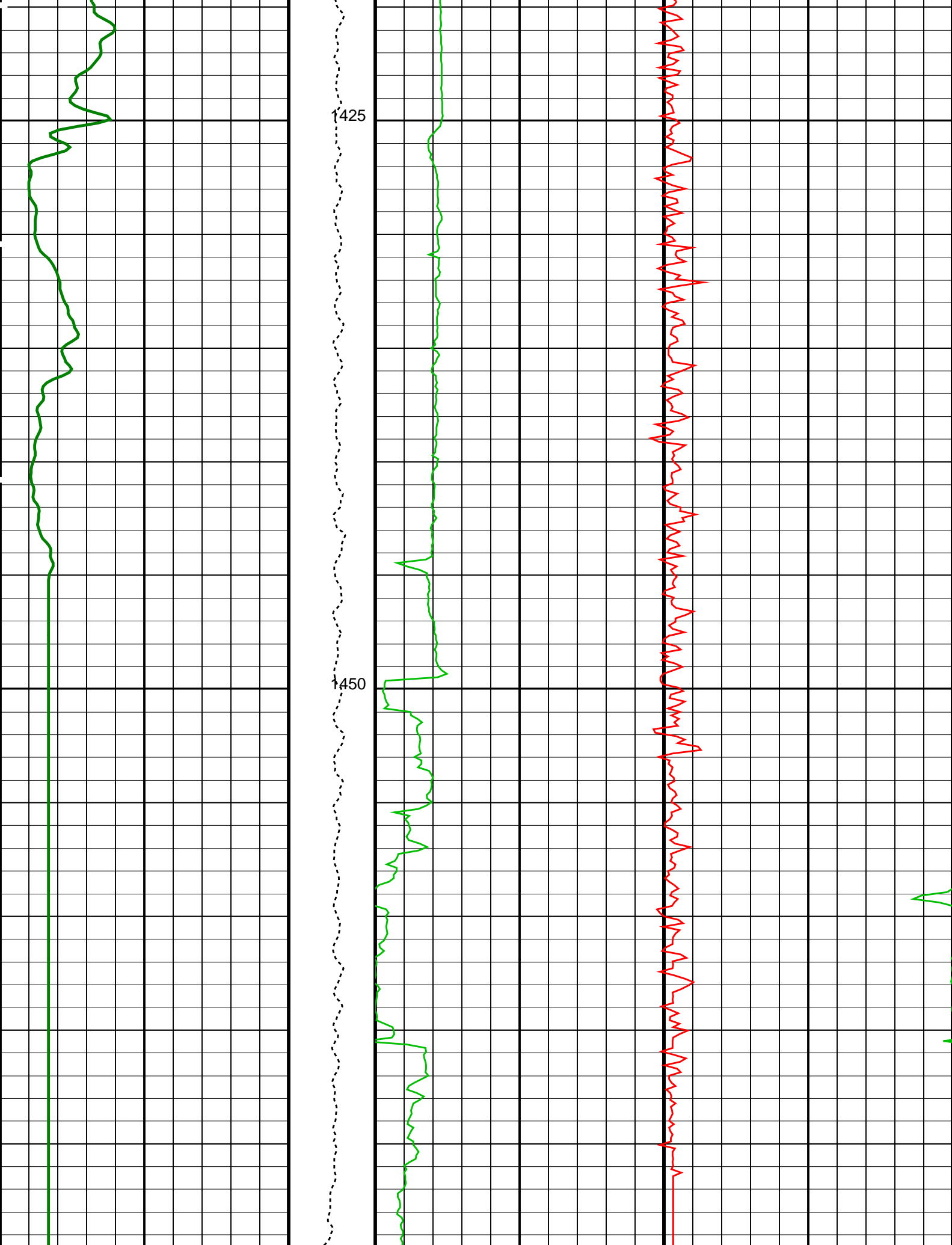
1275

1300









HNGS Spectroscopy Gamma Ray

Tension

Axial Acceleration (M66ZAGC LDEF)

0	(HSGR) (GAPI)	150	(TENS) (LBF)	0	Axial Acceleration (MSSZACC_LDEO) (M/S2)	20
				Dual-Coil Susceptibility (MSSLSUS_LDEO) (PPM)		
				-10000		90000

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0102276	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.971082	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.976773	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: MSS_Logging Vertical Scale: 1:200 Graphics File Created: 14-Sep-2021 22:06

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_026LUP	PRODUCER	14-Sep-2021 22:06	1474.5 M	1186.4 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_027PUP	FN:19	PRODUCER	14-Sep-2021 22:06
RTB	MSS_LDEO_HRLA_LDL_027PUP	FN:20	PRODUCER	14-Sep-2021 22:06



First Pass

Output DLIS Files

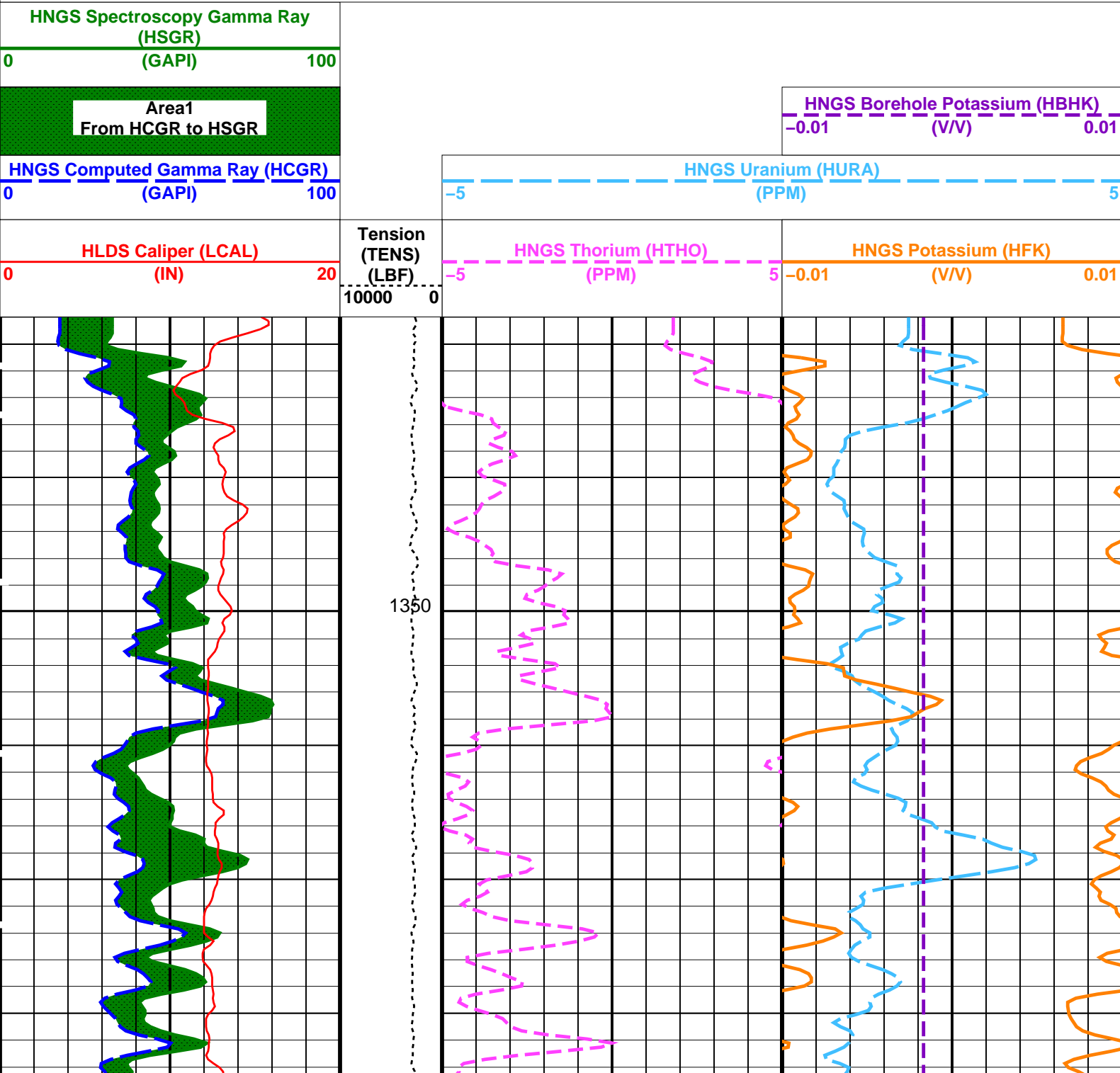
DEFAULT	MSS_LDEO_HRLA_LDL_022LUP	FN:13	PRODUCER	14-Sep-2021 20:19	1472.2 M	1339.6 M
RTB	MSS_LDEO_HRLA_LDL_022LUP	FN:14	PRODUCER	14-Sep-2021 20:19	1472.2 M	1339.6 M

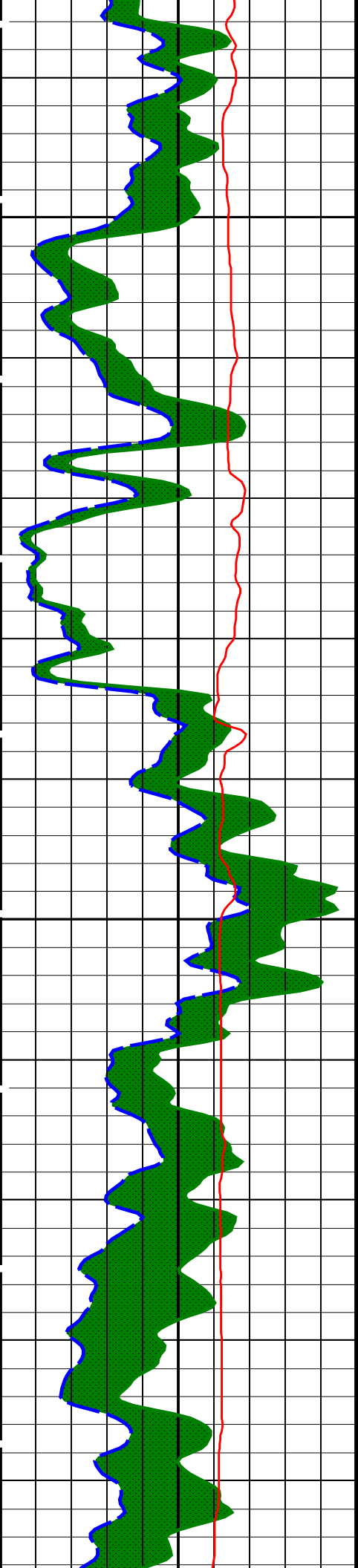
OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

PIP SUMMARY

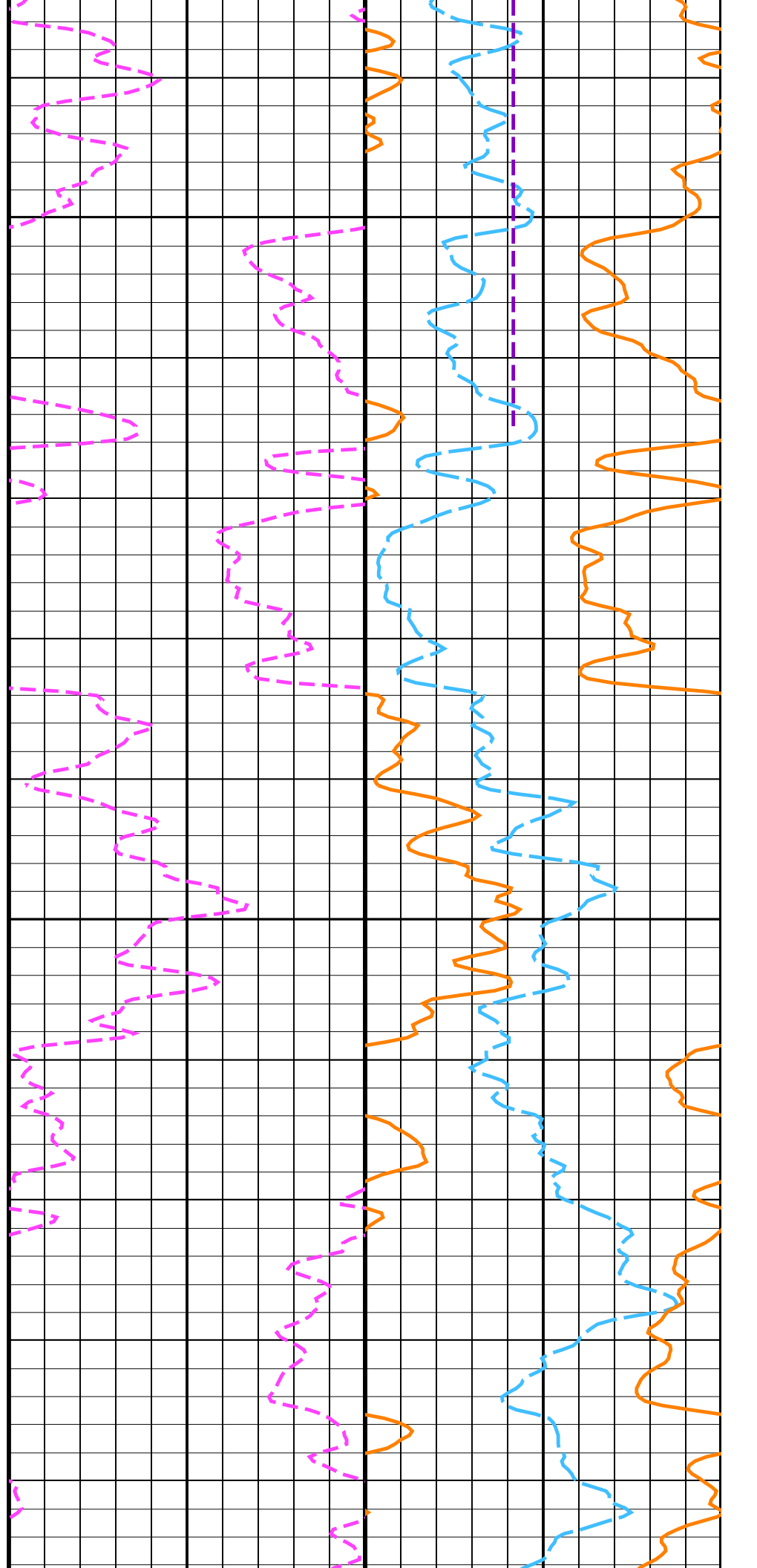
Time Mark Every 60 S

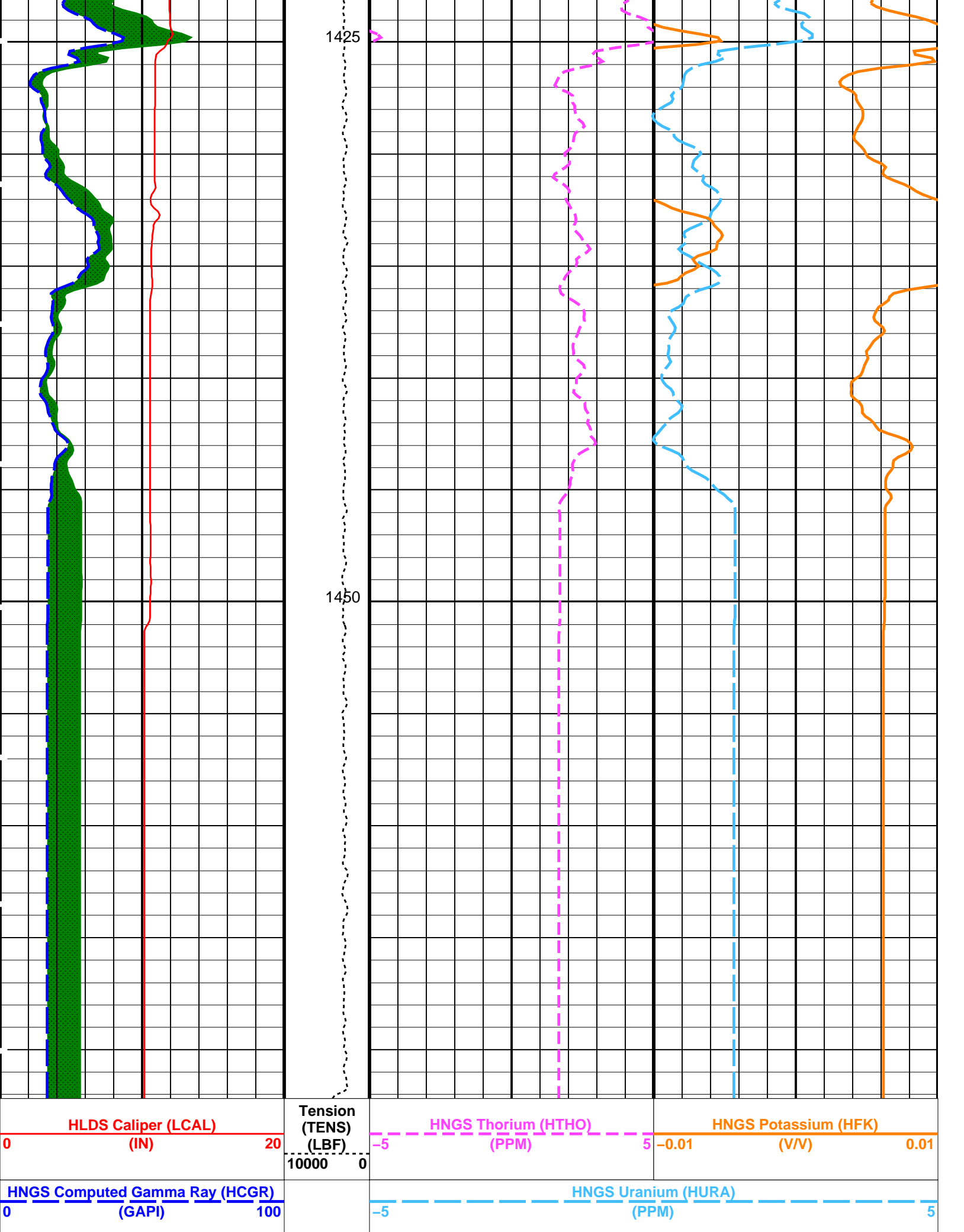




1375

1400





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HRLT-B:	High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
HNGS-BA:	Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00363038	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.940042	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.953595	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 14-Sep-2021 20:19

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_022LUP	FN:13	PRODUCER	14-Sep-2021 20:19
RTB	MSS_LDEO_HRLA_LDL_022LUP	FN:14	PRODUCER	14-Sep-2021 20:19

Company: International Ocean Discovery Program Well: Expedition 396, Site U1572A

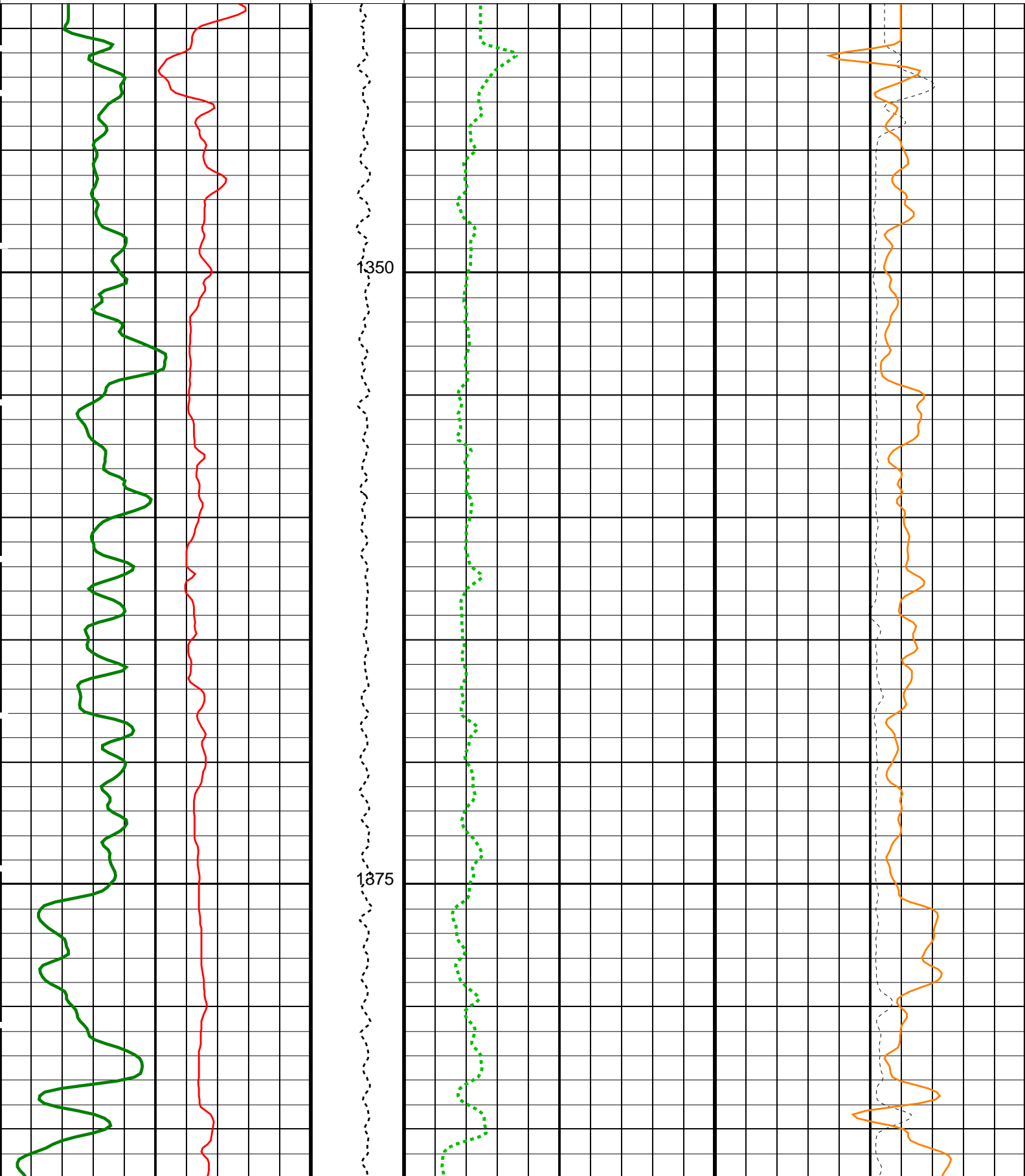
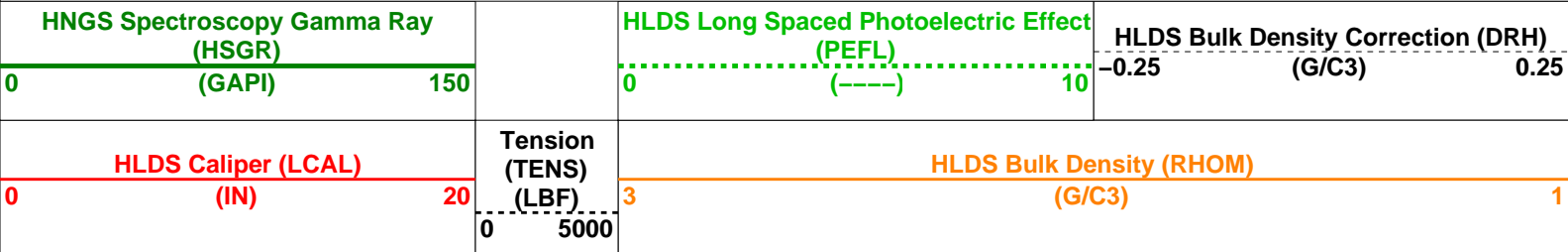
Output DLIS Files

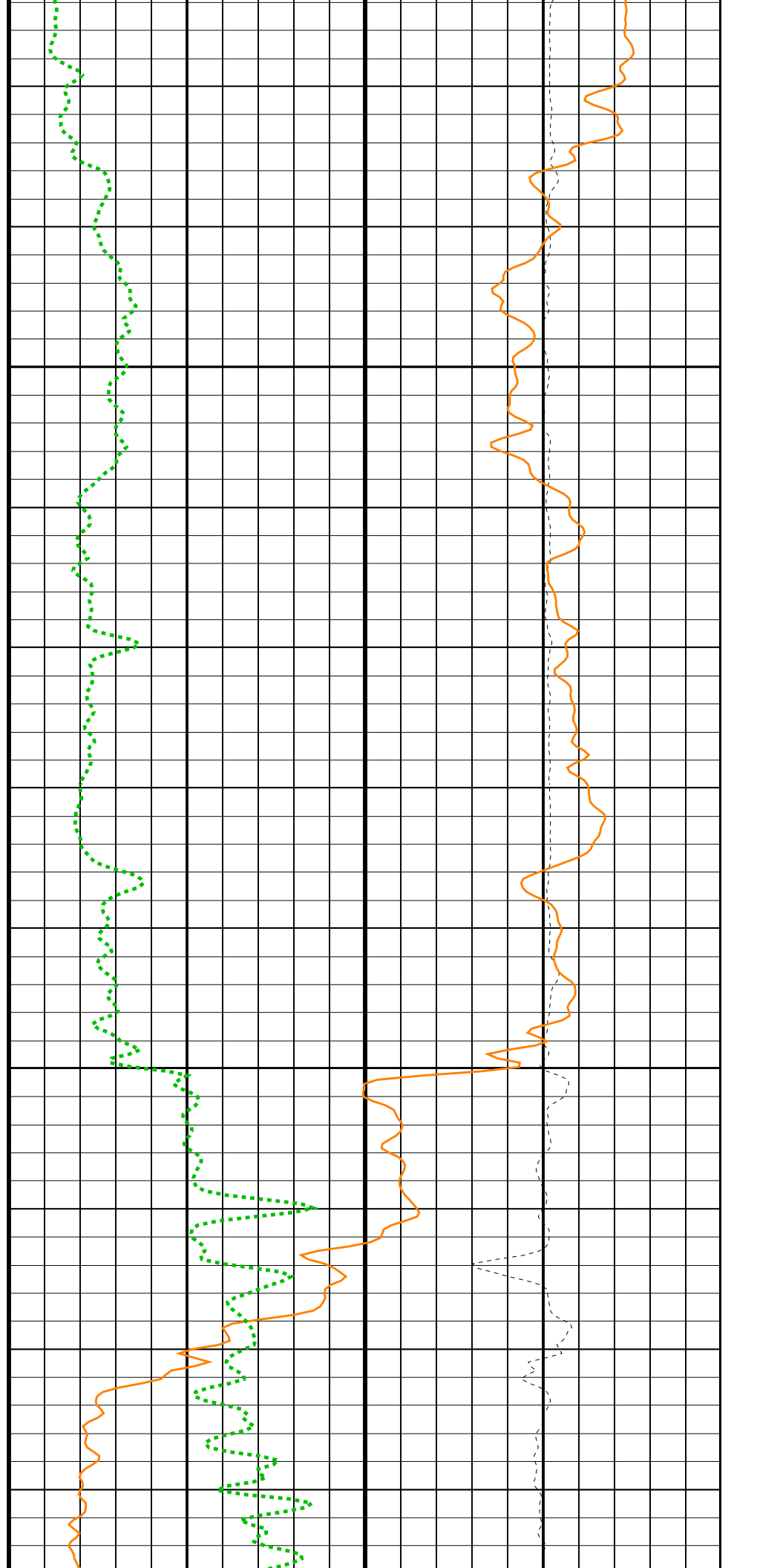
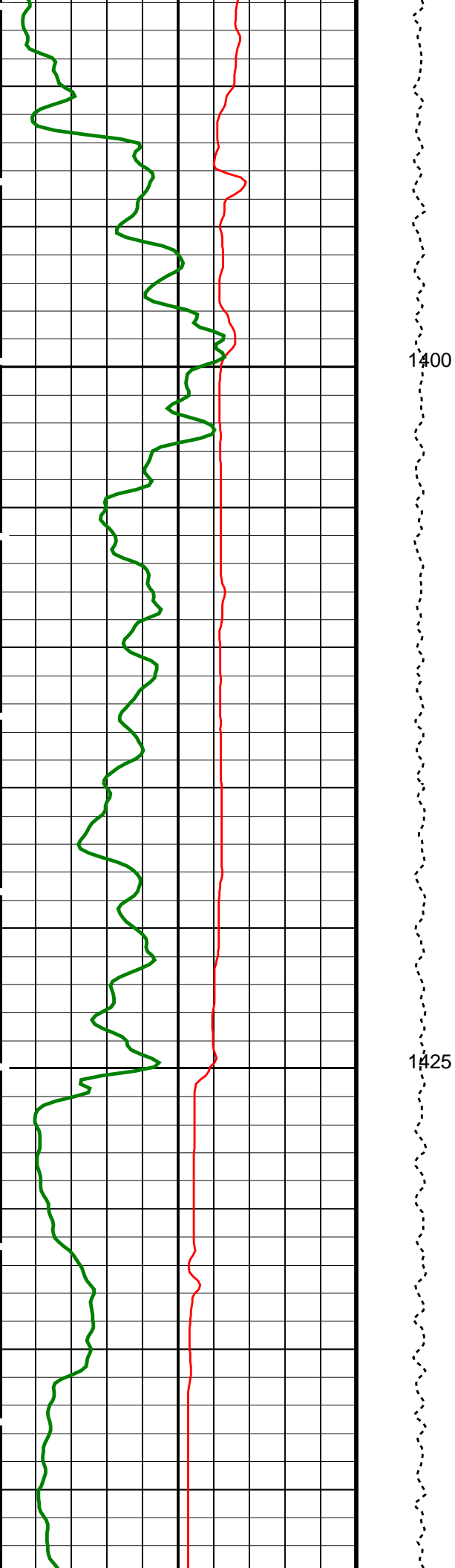
DEFAULT	MSS_LDEO_HRLA_LDL_022LUP	FN:13	PRODUCER	14-Sep-2021 20:19	1472.2 M	1339.6 M
RTB	MSS_LDEO_HRLA_LDL_022LUP	FN:14	PRODUCER	14-Sep-2021 20:19	1472.2 M	1339.6 M

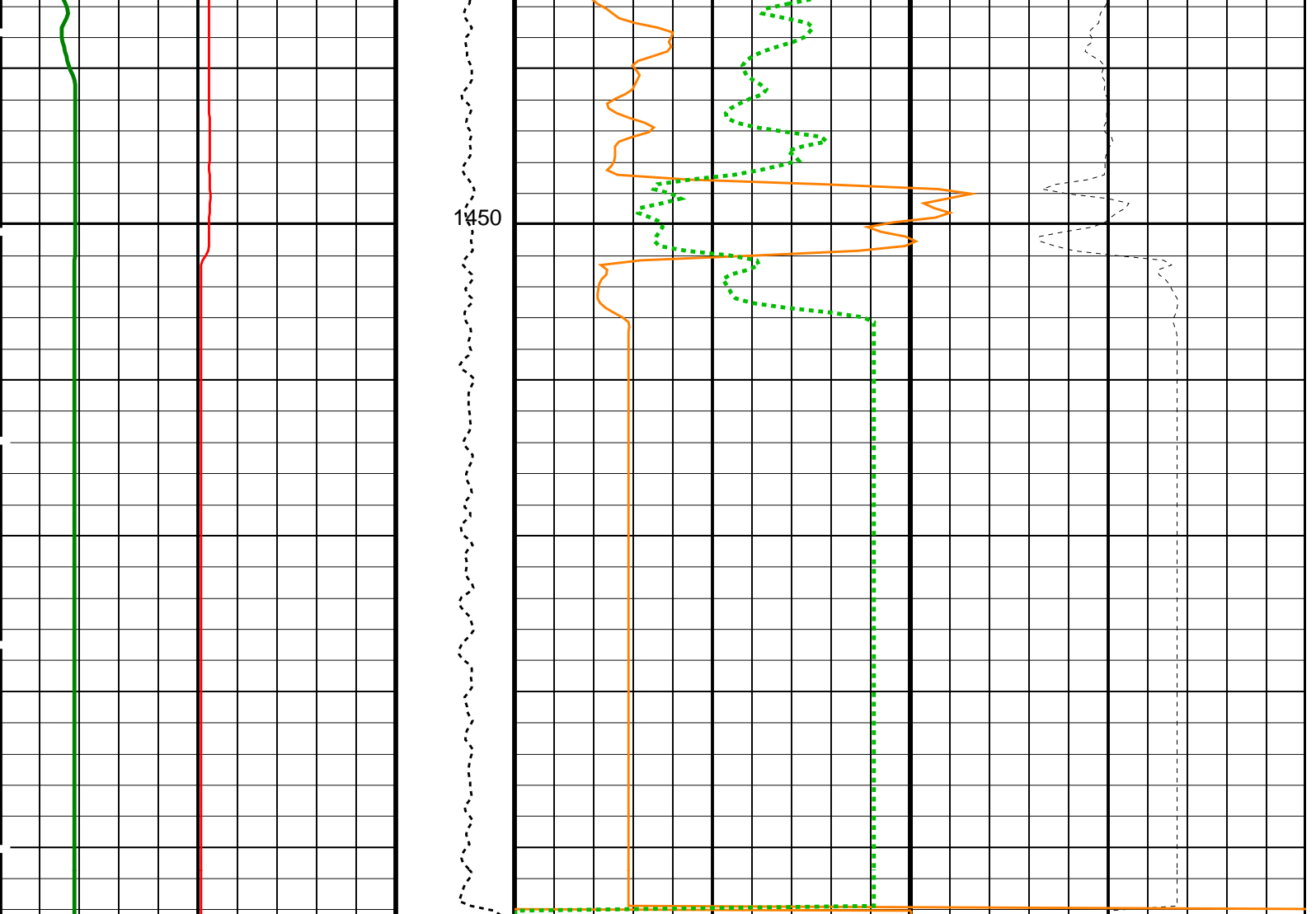
OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Time Mark Every 60 S







HLDS Caliper (LCAL) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	HLDS Bulk Density (RHOM) 3 (G/C3) 1
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 150	HLDS Long Spaced Photoelectric Effect (PEFL) 0 (----) 10	HLDS Bulk Density Correction (DRH) -0.25 (G/C3) 0.25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HRLT-B:	High Resolution Laterolog Array - B	
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
HLDS:	Hostile Litho-Density Sonde	
DHC	Density Hole Correction	CALIPER
DPPM	Density Porosity Processing Mode	HIRS
FD	Fluid Density	1 G/C3
LATC	HLDS Activation Correction	ON
MDEN	Matrix Density	2.6 G/C3
HNGS-BA:	Hostile Natural Gamma Ray Sonde	
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	LCAL
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW

H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00363038	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.940042	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.953595	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3

Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 14-Sep-2021 20:19

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_022LUP	FN:13	PRODUCER	14-Sep-2021 20:19
RTB	MSS_LDEO_HRLA_LDL_022LUP	FN:14	PRODUCER	14-Sep-2021 20:19

Company: International Ocean Discovery Program Well: Expedition 396, Site U1572A

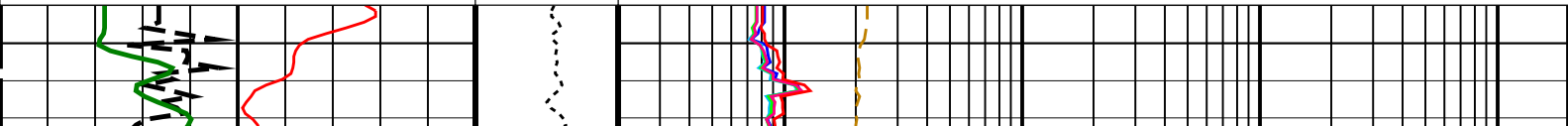
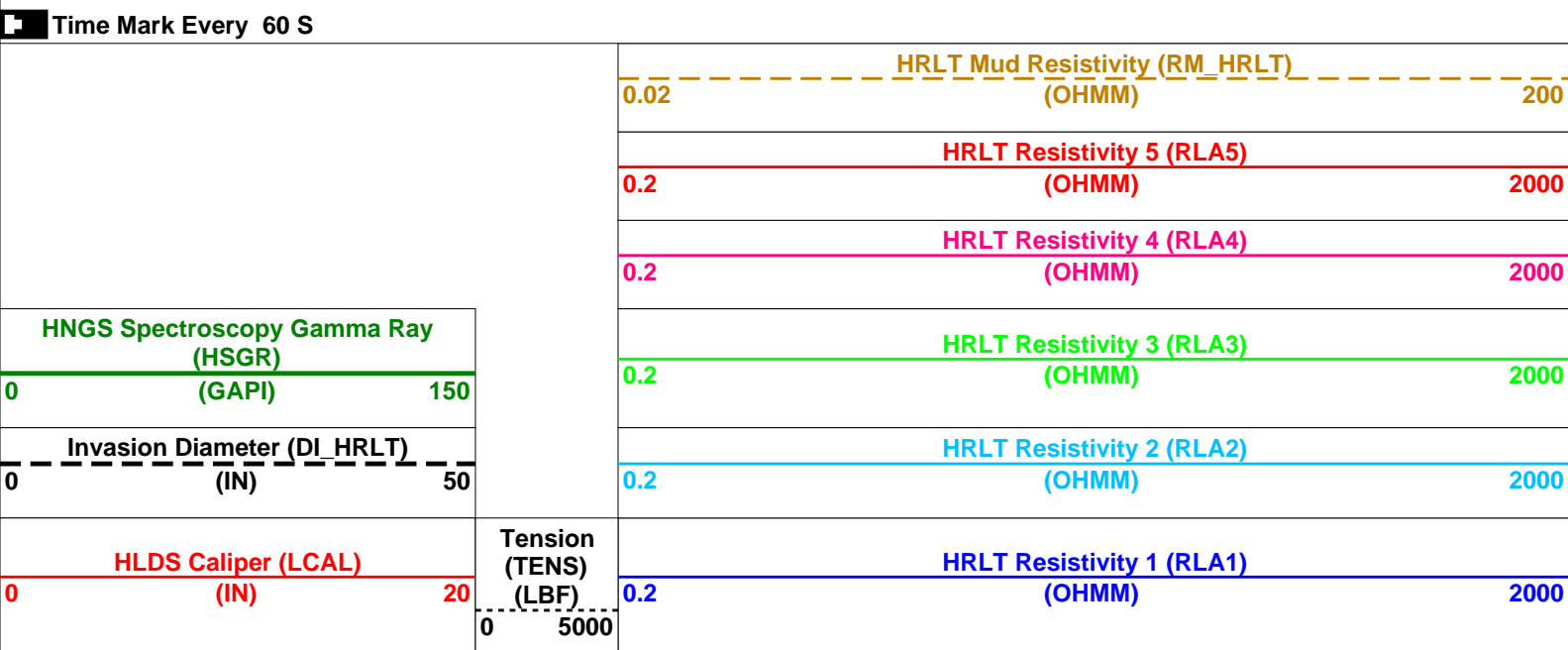
Output DLIS Files

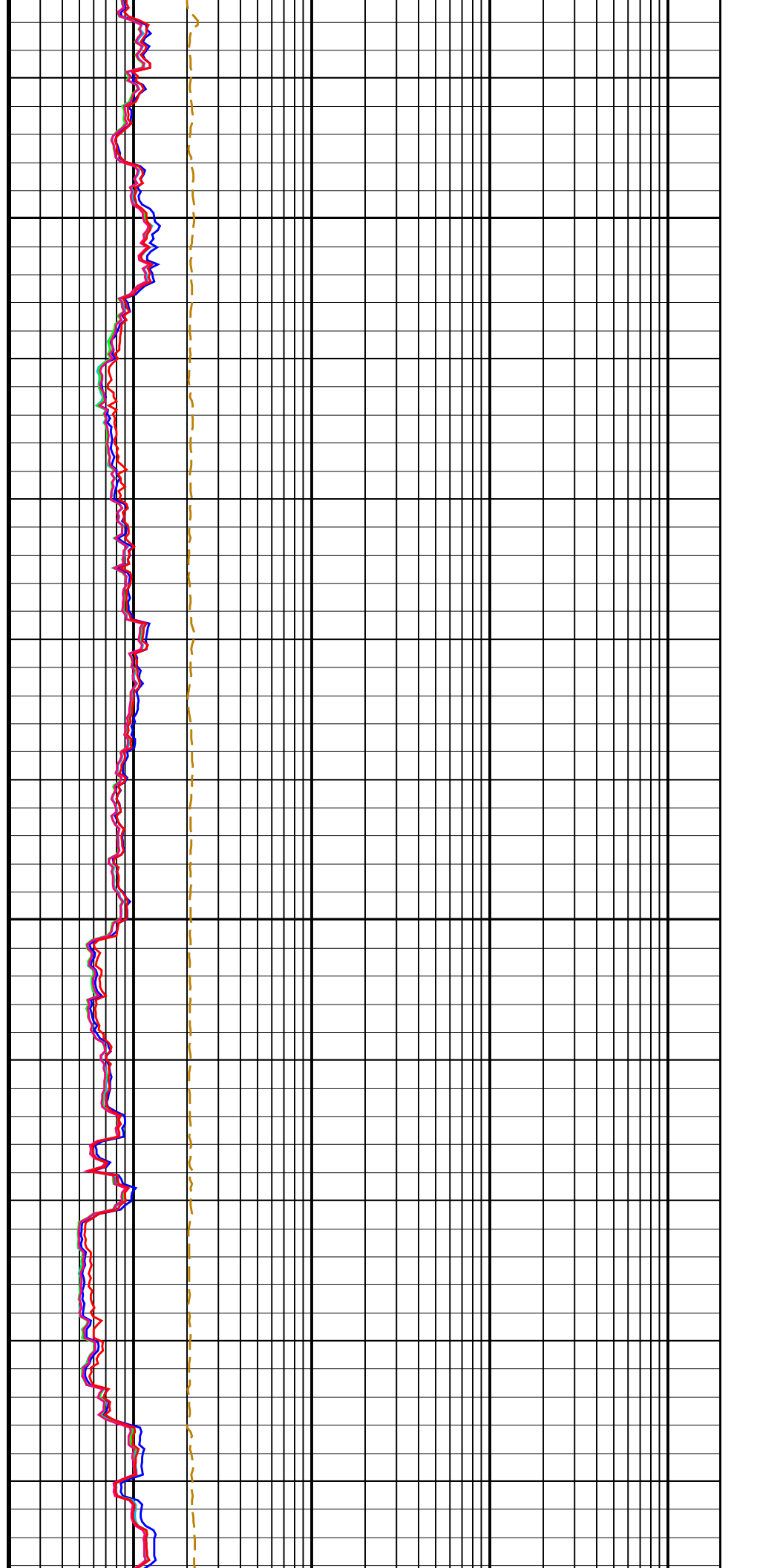
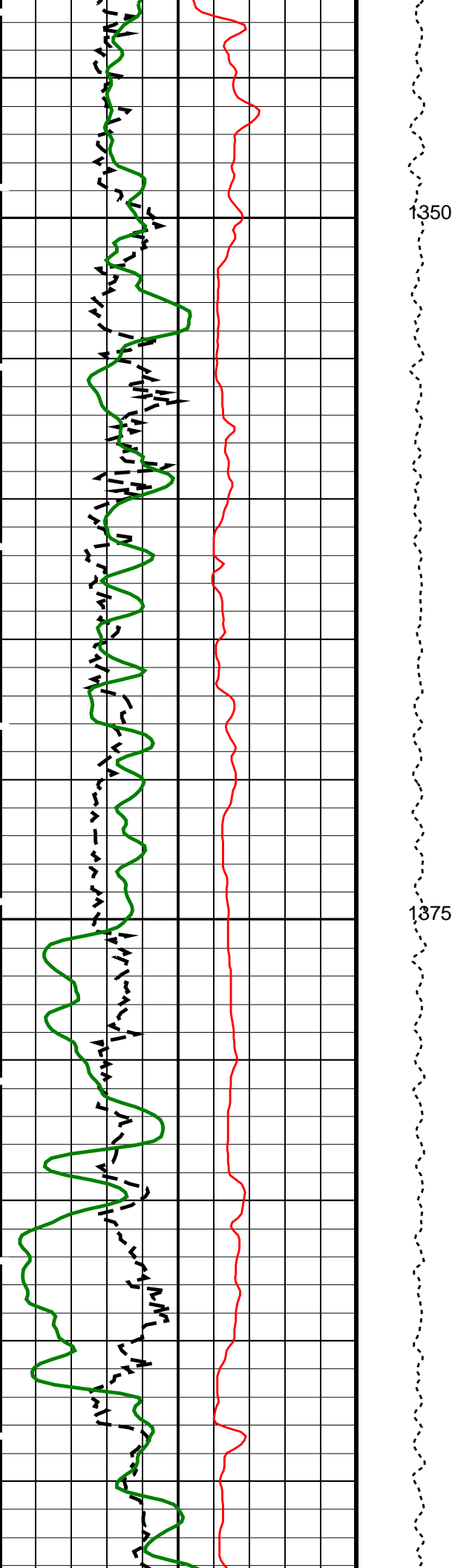
DEFAULT	MSS_LDEO_HRLA_LDL_022LUP	FN:13	PRODUCER	14-Sep-2021 20:19	1472.2 M	1339.6 M
RTB	MSS_LDEO_HRLA_LDL_022LUP	FN:14	PRODUCER	14-Sep-2021 20:19	1472.2 M	1339.6 M

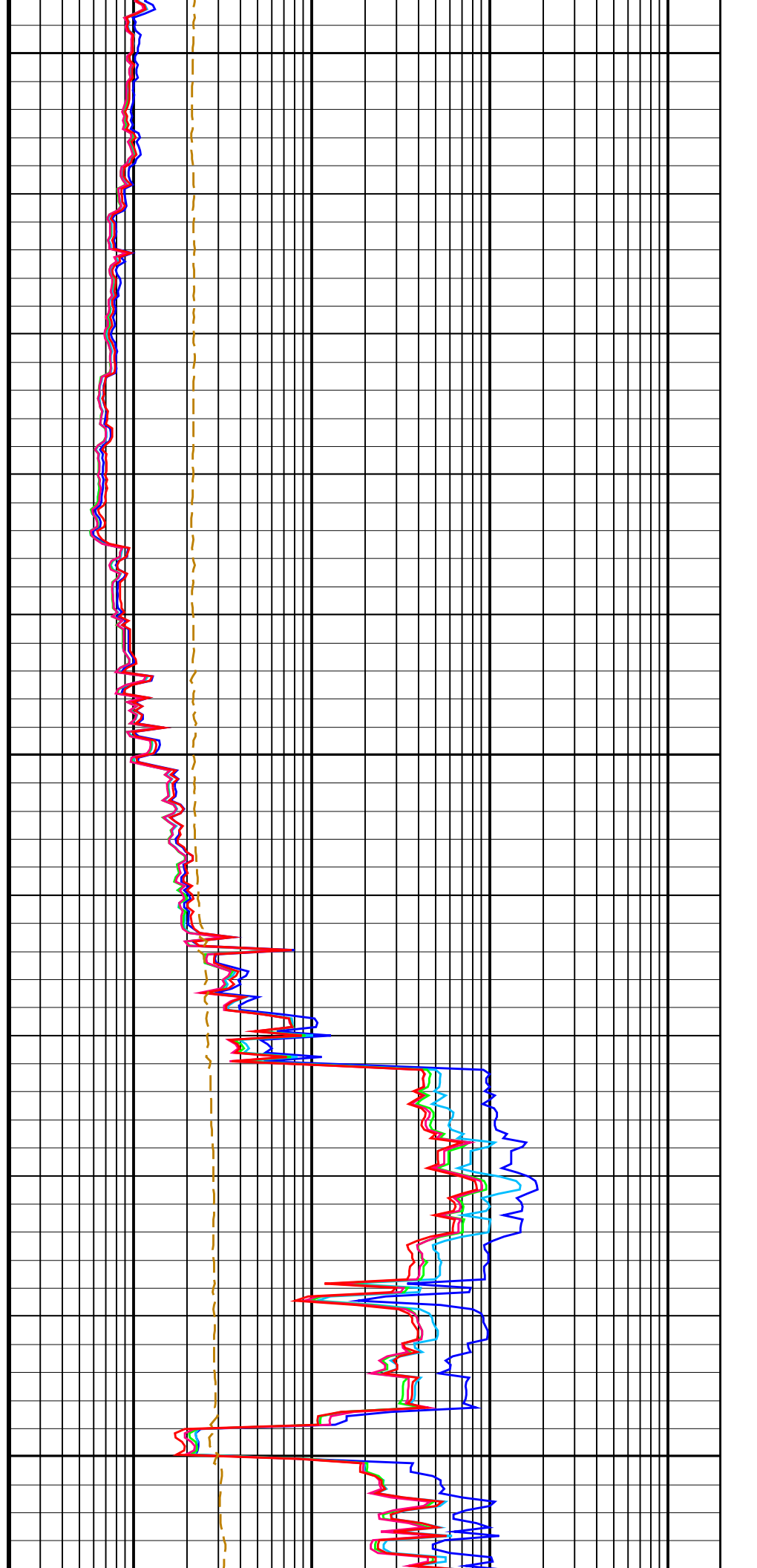
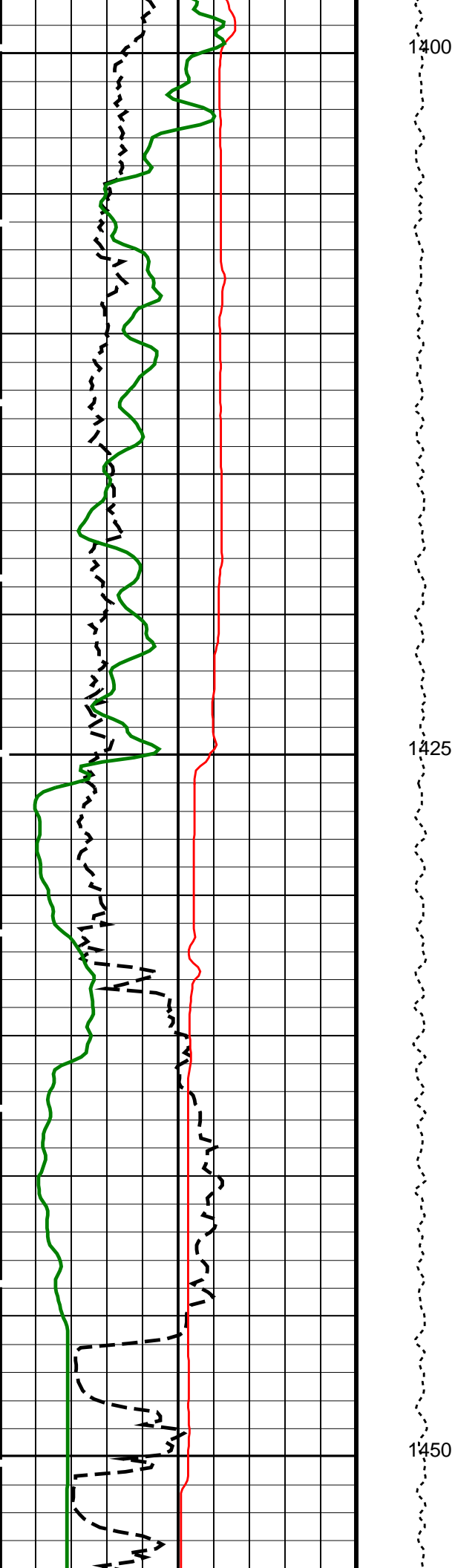
OP System Version: 19C0-187

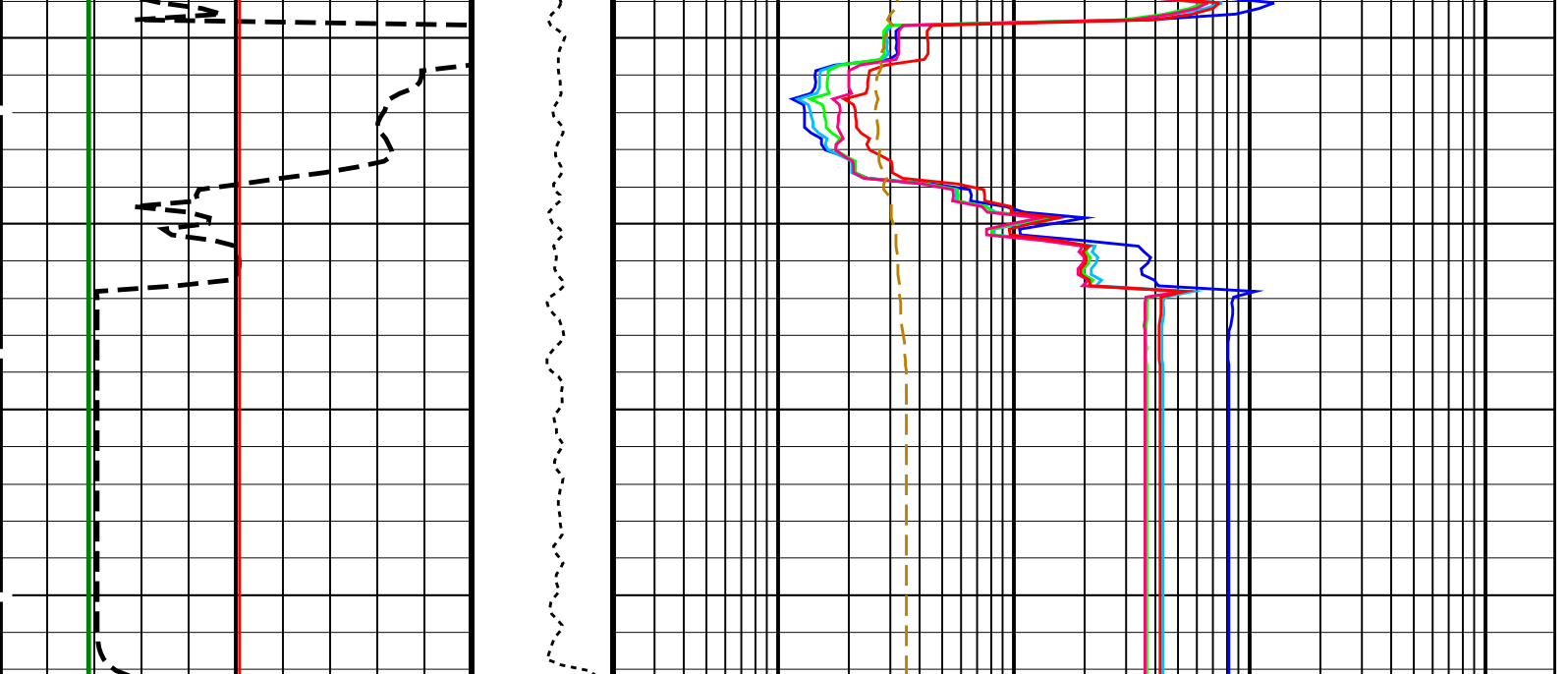
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

PIP SUMMARY









HLDS Caliper (LCAL) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	HRLT Resistivity 1 (RLA1) 0.2 (OHMM) 2000
Invasion Diameter (DI_HRLT) 0 (IN) 50		HRLT Resistivity 2 (RLA2) 0.2 (OHMM) 2000
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 150		HRLT Resistivity 3 (RLA3) 0.2 (OHMM) 2000
		HRLT Resistivity 4 (RLA4) 0.2 (OHMM) 2000
		HRLT Resistivity 5 (RLA5) 0.2 (OHMM) 2000
		HRLT Mud Resistivity (RM_HRLT) 0.02 (OHMM) 200

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	7 DEGC
GCSE	Generalized Caliper Selection	LCAL
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
KFAC_HRLT	HRLT K Factor Option	SONDE
PROCINV	Inversion Selection	ON
PROCFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO
PROCMSO	Mechanical Standoff Fin Size	0 IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute
PROCSP0	Sonde Position	Eccentered
SHT	Surface Hole Temperature	20 DEGC
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	7 DEGC
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F

CSWZ	Outer Casing Weight	0	LB/FT
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00363038	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.940042	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.953595	

System and Miscellaneous

BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
TD	Total Depth	2292	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 14-Sep-2021 20:19

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_022LUP	FN:13	PRODUCER	14-Sep-2021 20:19
RTB	MSS_LDEO_HRLA_LDL_022LUP	FN:14	PRODUCER	14-Sep-2021 20:19

Company: International Ocean Discovery Program Well: Expedition 396, Site U1572A

Output DLIS Files

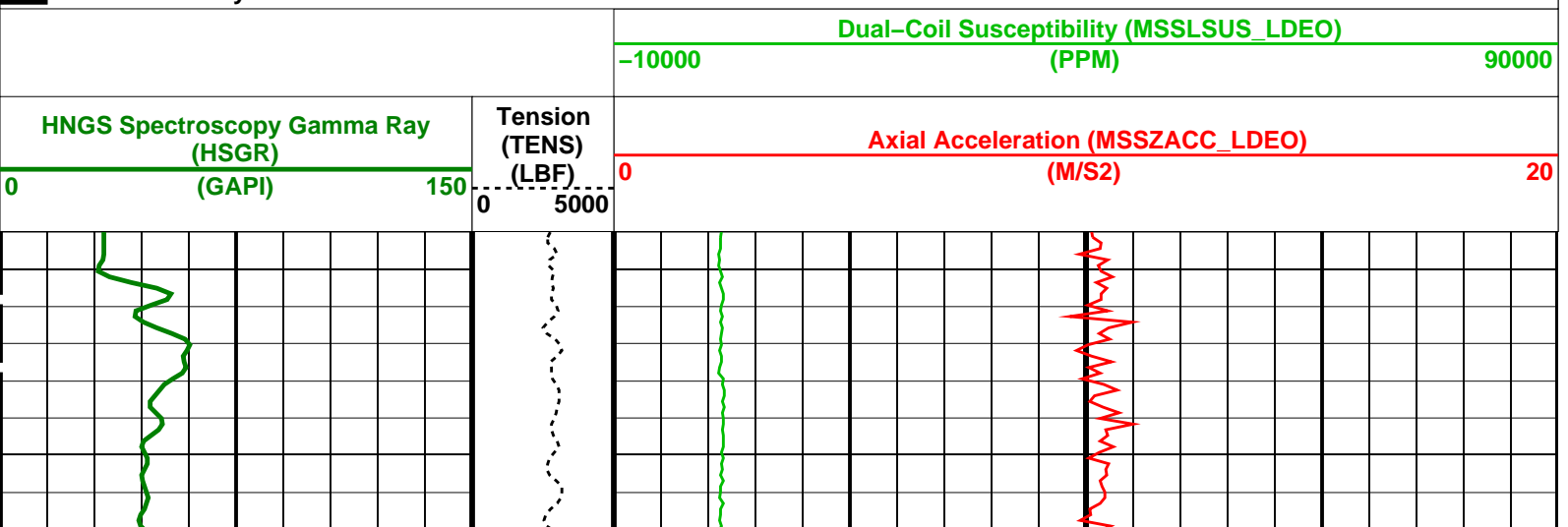
DEFAULT	MSS_LDEO_HRLA_LDL_022LUP	FN:13	PRODUCER	14-Sep-2021 20:19	1472.2 M	1339.6 M
RTB	MSS_LDEO_HRLA_LDL_022LUP	FN:14	PRODUCER	14-Sep-2021 20:19	1472.2 M	1339.6 M

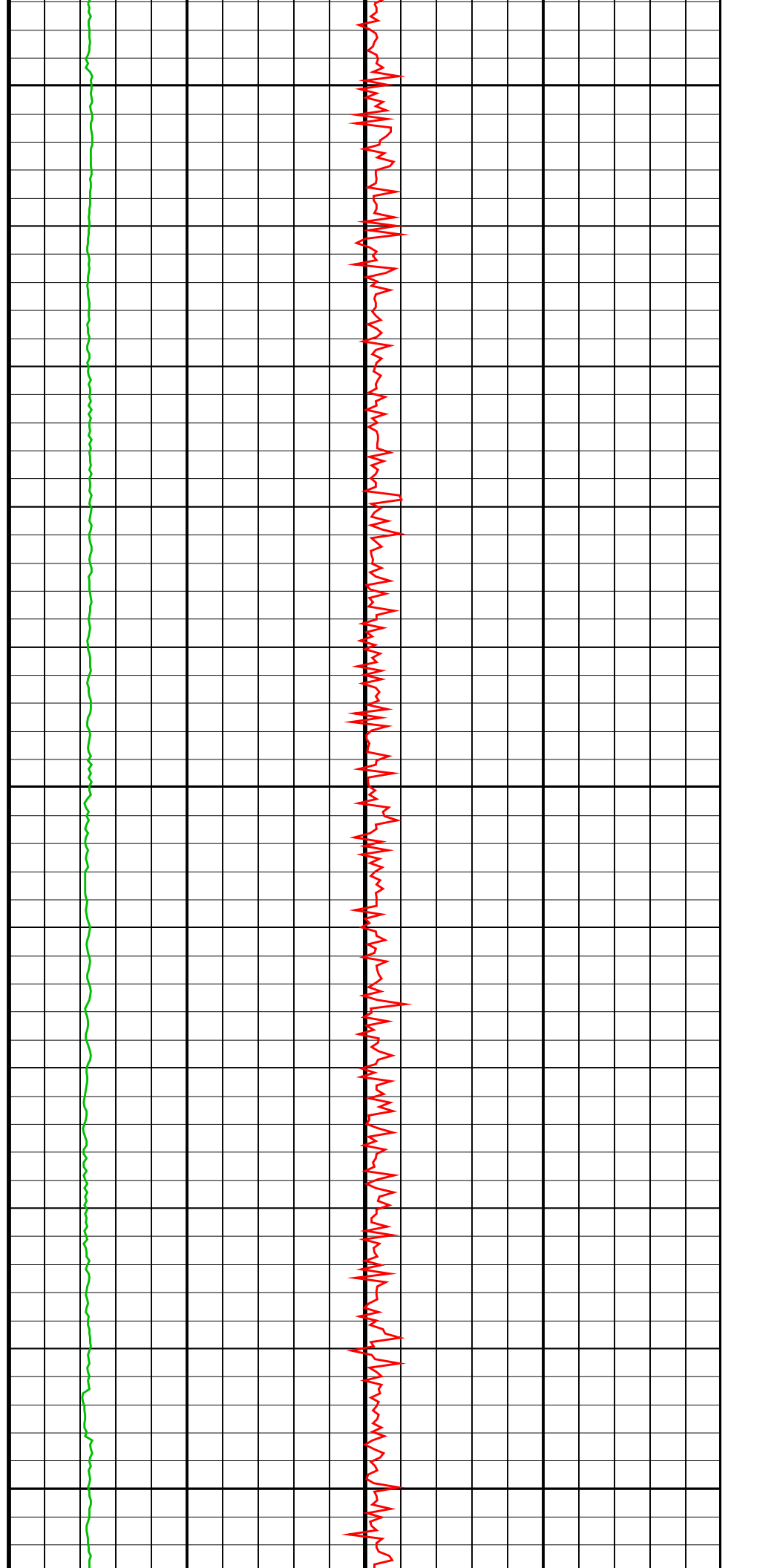
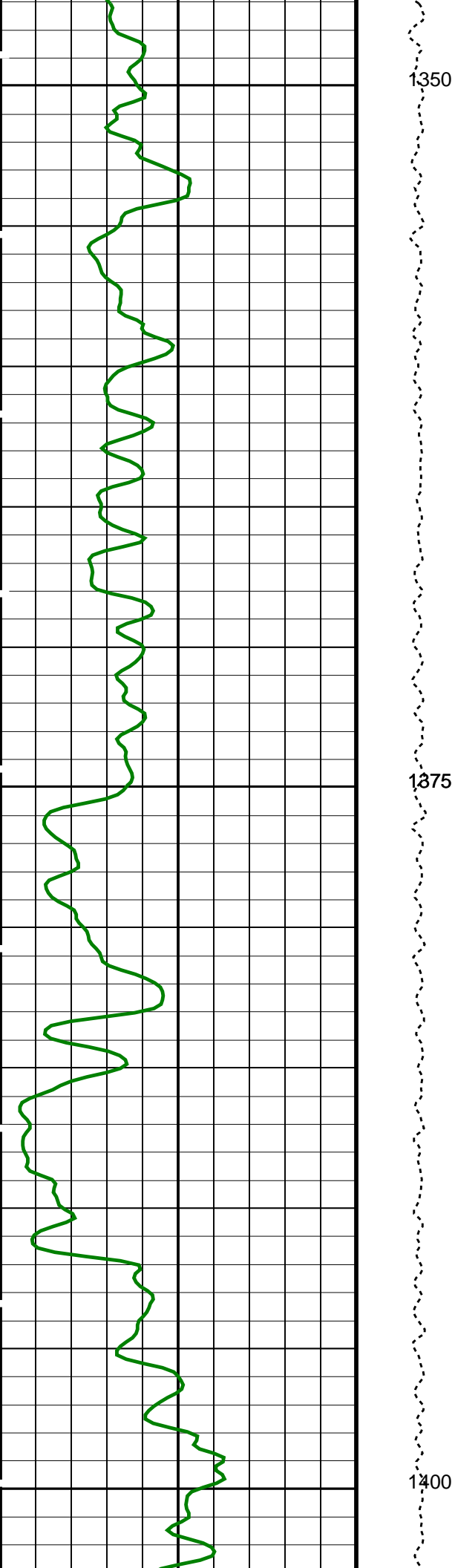
OP System Version: 19C0-187

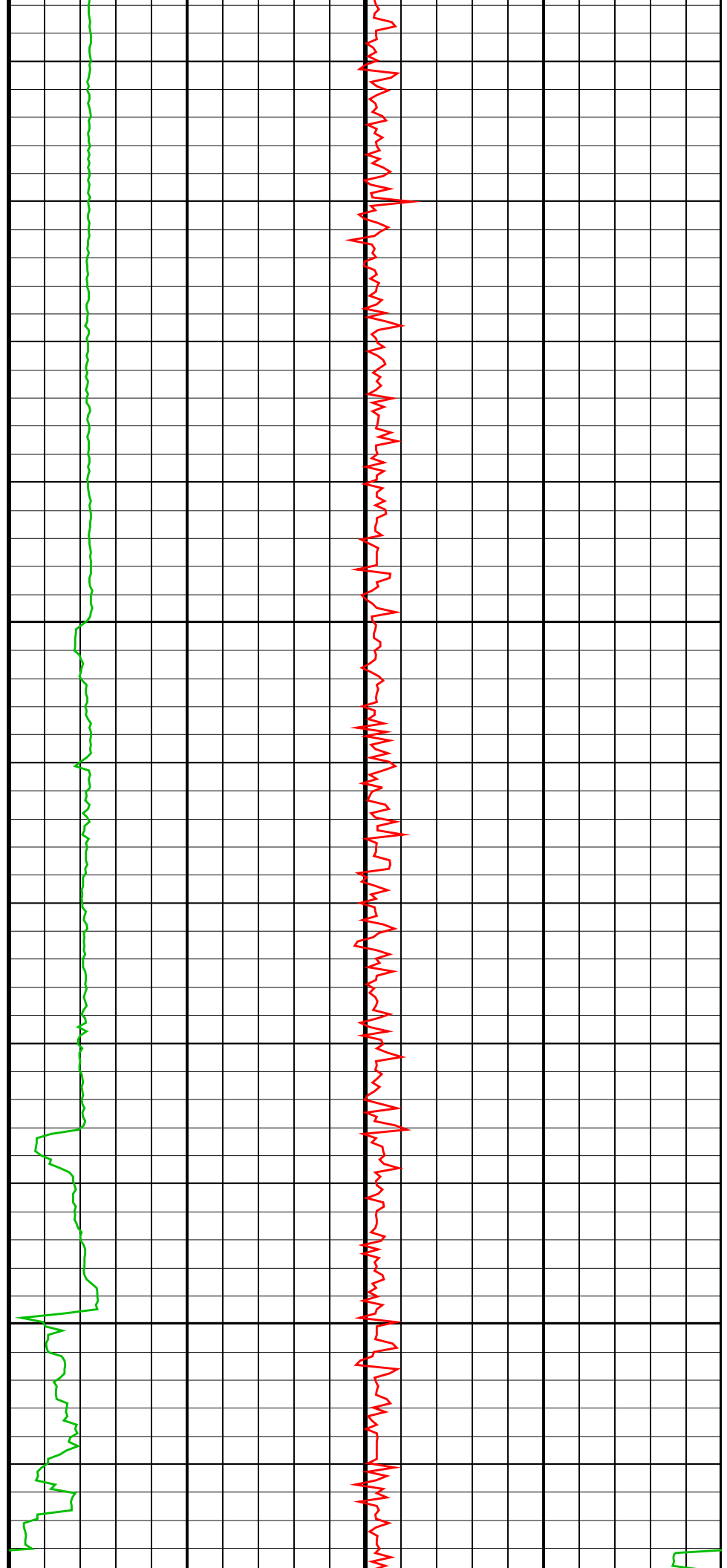
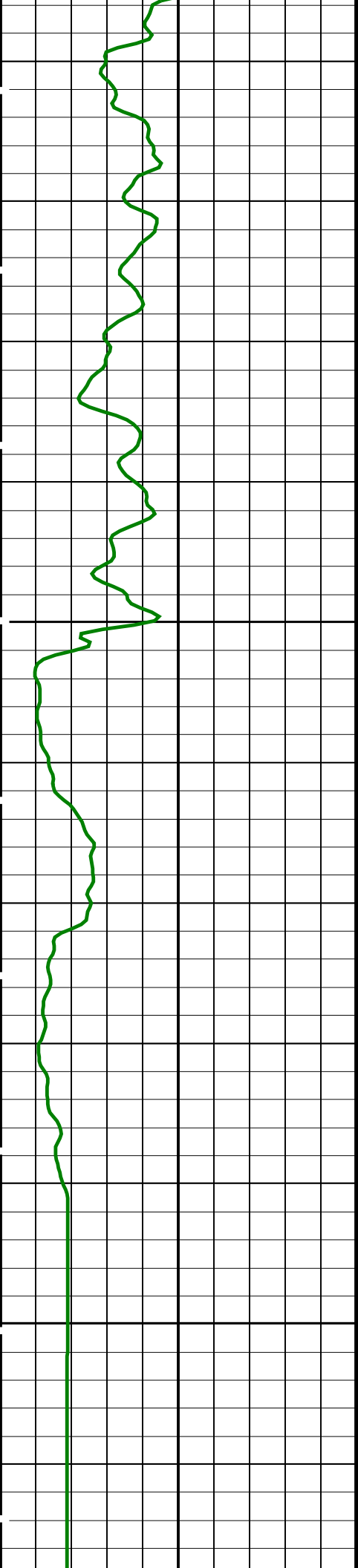
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

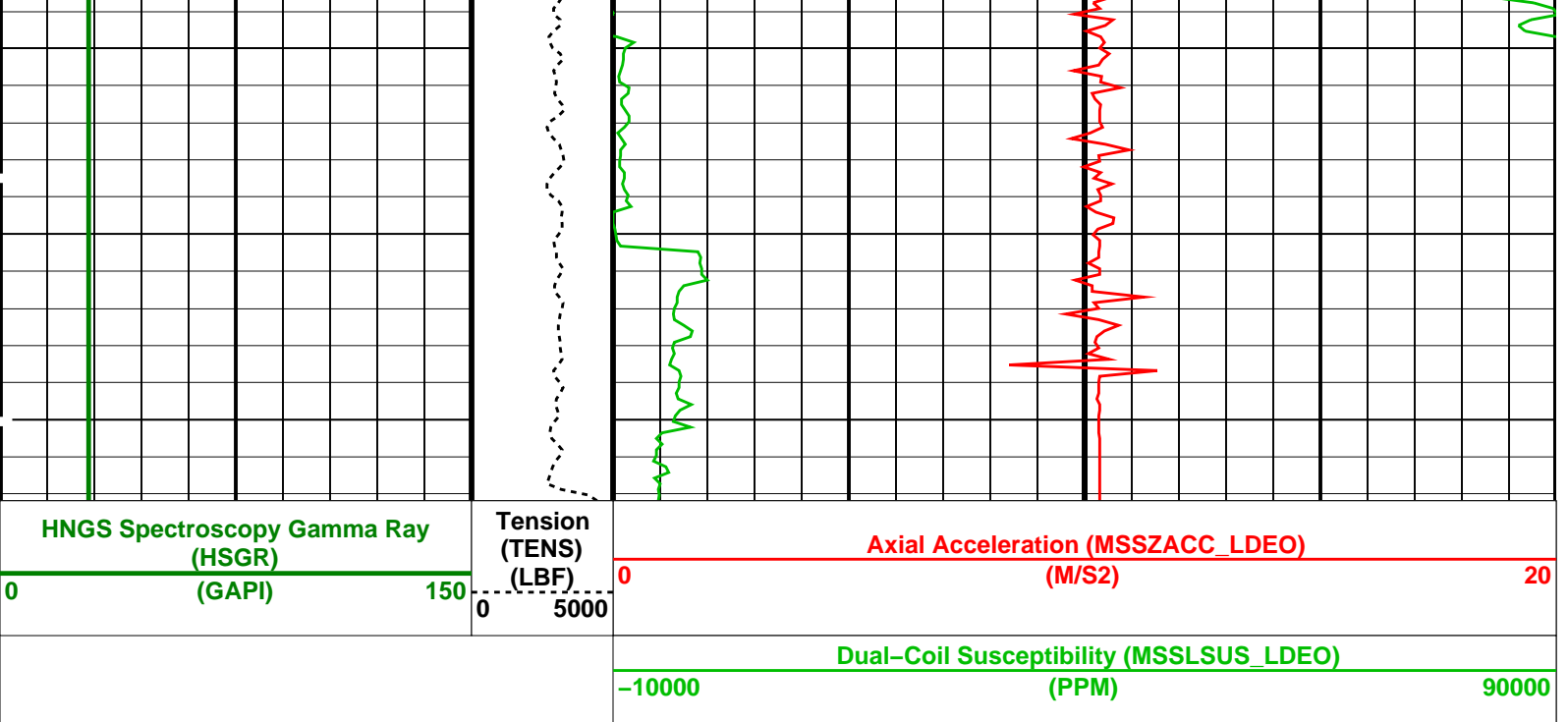
PIP SUMMARY

Time Mark Every 60 S









PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	LCAL
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.00363038
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
HNPE	HNGS Processing Enable	YES
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
TPOS	Tool Position	ECCE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.940042
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.953595
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.26 G/C3

Format: MSS_Logging

Vertical Scale: 1:200

Graphics File Created: 14-Sep-2021 20:19

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_022LUP	FN:13	PRODUCER	14-Sep-2021 20:19
DEF	MSS_LDEO_HRLA_LDL_022LUP	FN:14	PRODUCER	14-Sep-2021 20:19



Second Pass

MAXIS Field Log

Company: International Ocean Discovery Program Well: Expedition 396, Site U1572A

Output DLIS Files

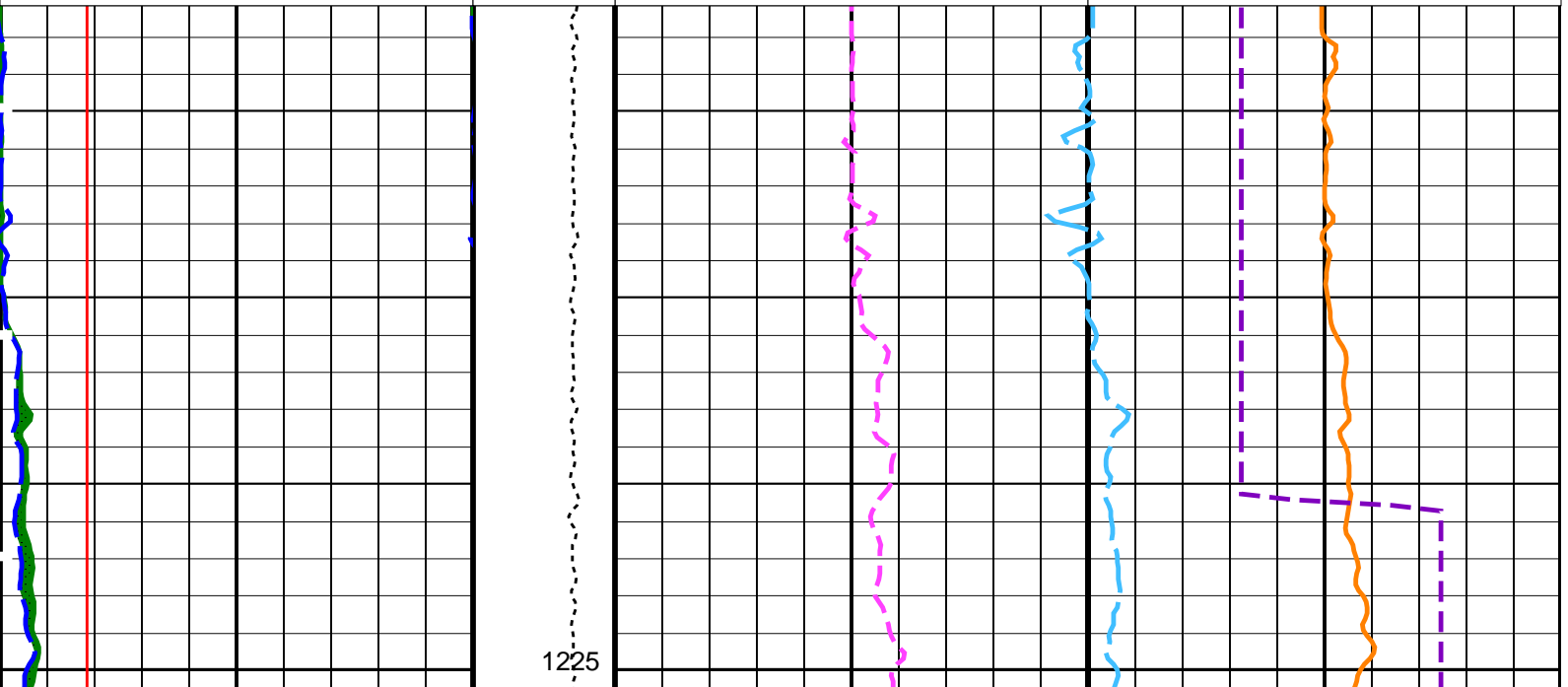
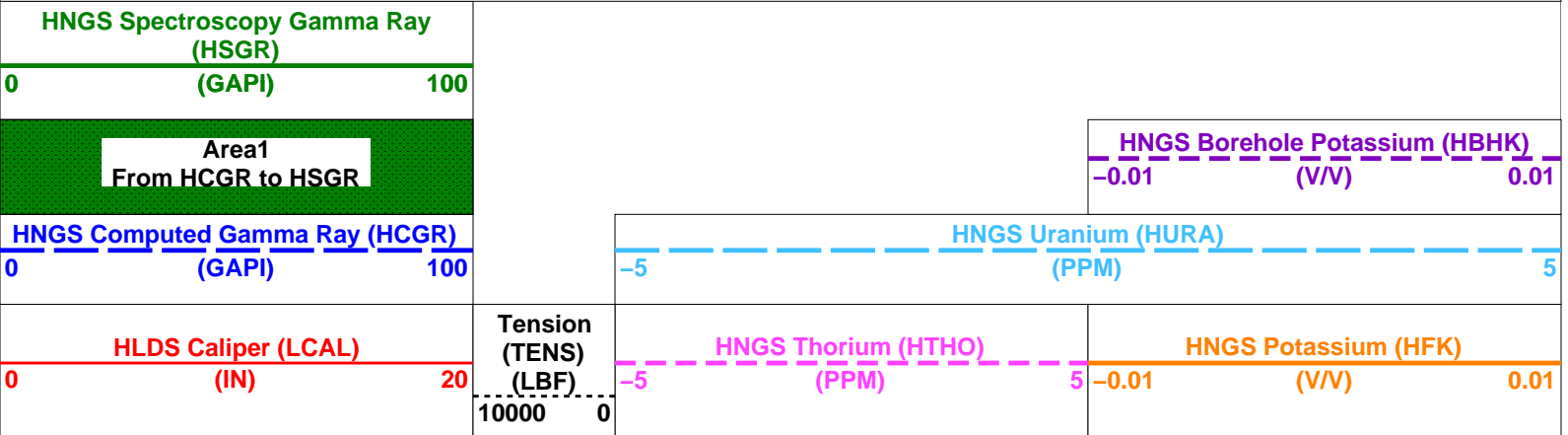
DEFAULT	MSS_LDEO_HRLA_LDL_023LUP	FN:15	PRODUCER	14-Sep-2021 20:56	1472.2 M	1209.3 M
RTB	MSS_LDEO_HRLA_LDL_023LUP	FN:16	PRODUCER	14-Sep-2021 20:56	1472.2 M	1209.3 M

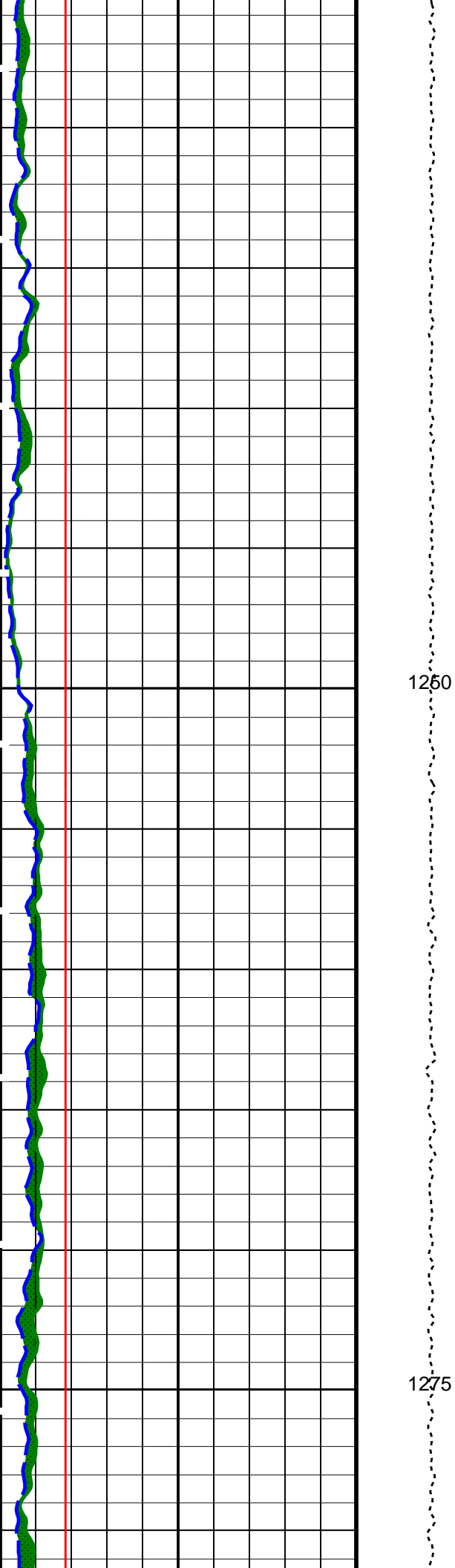
OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

PIP SUMMARY

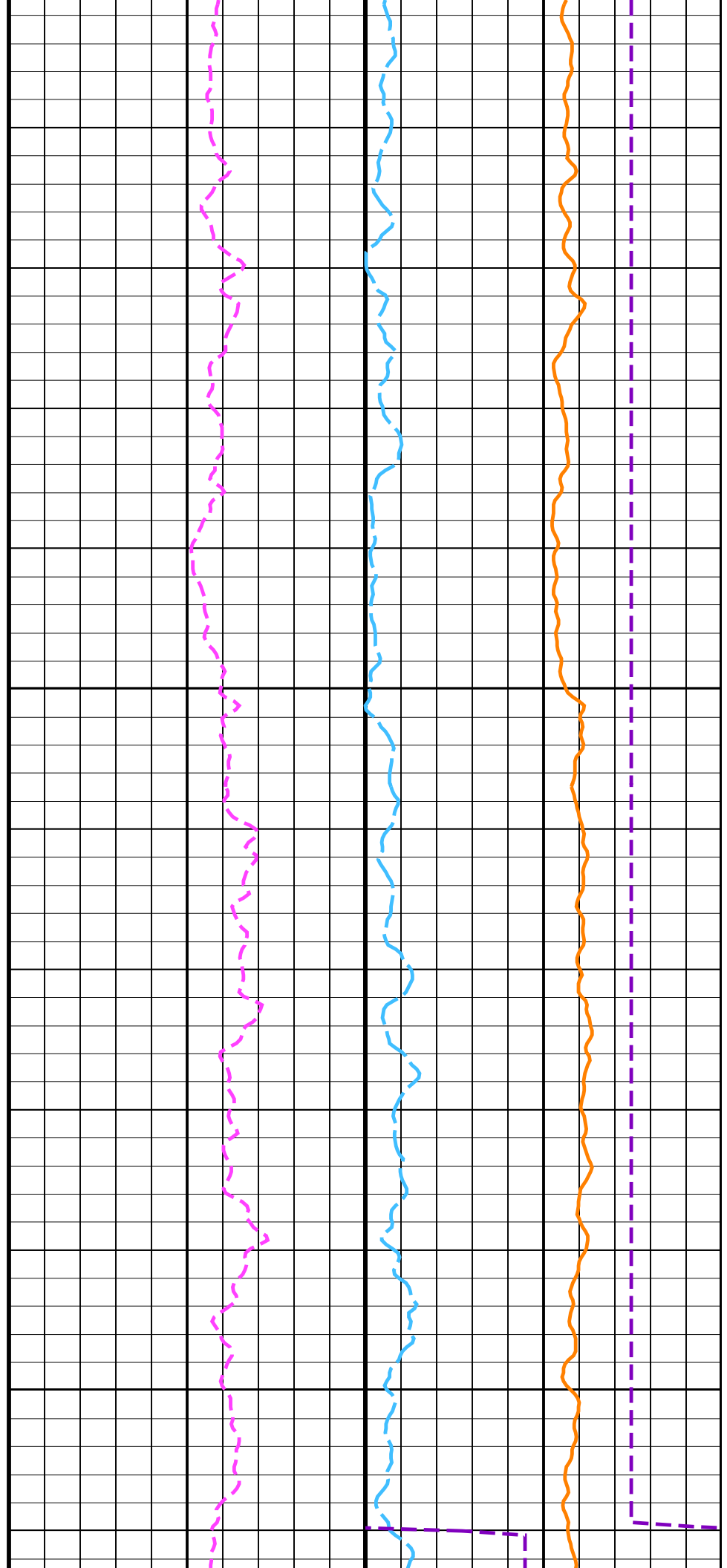
Time Mark Every 60 S

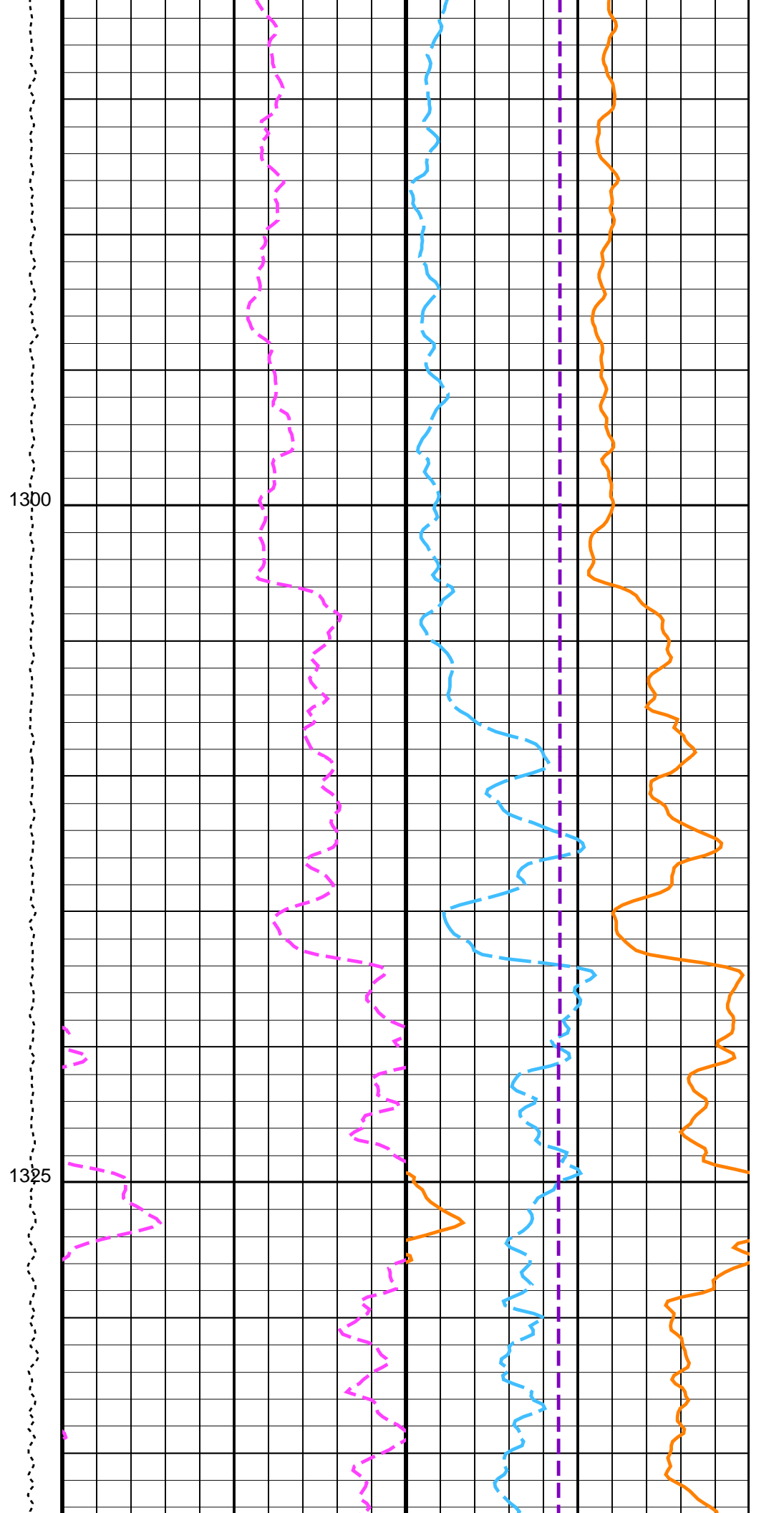
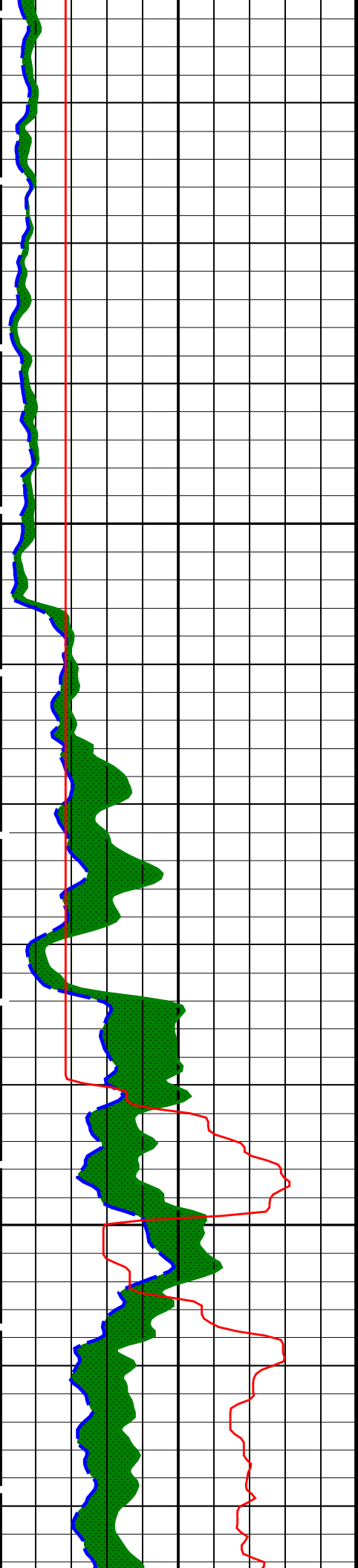


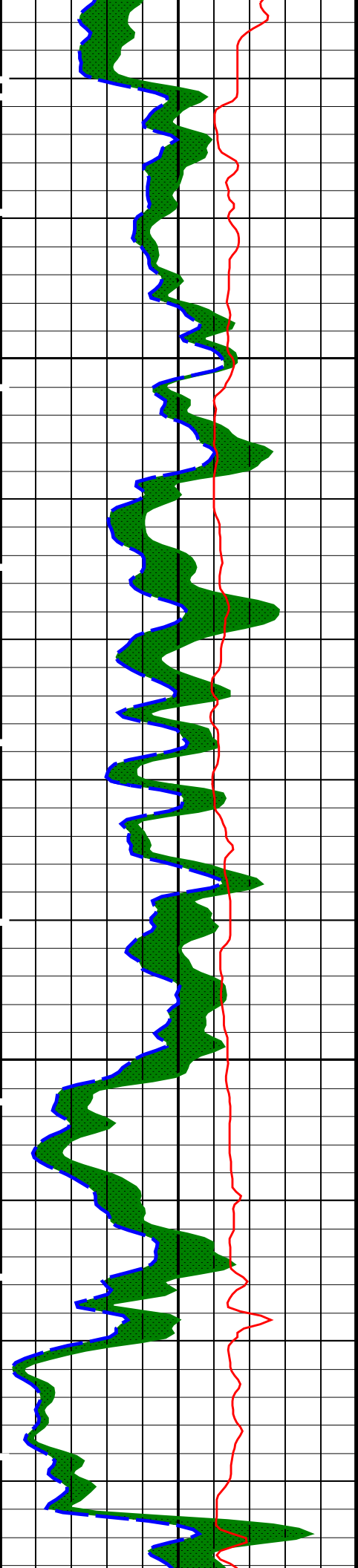


1250

1275

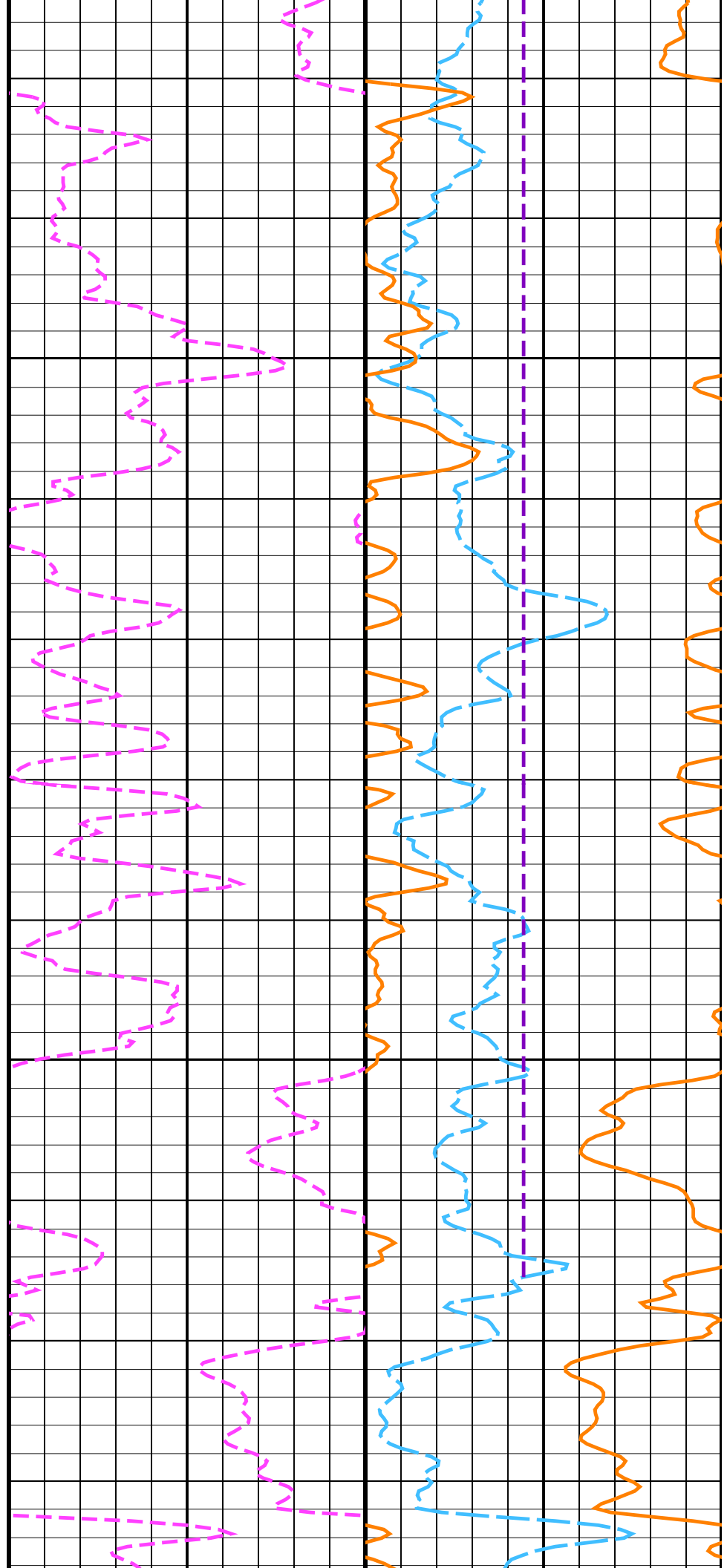


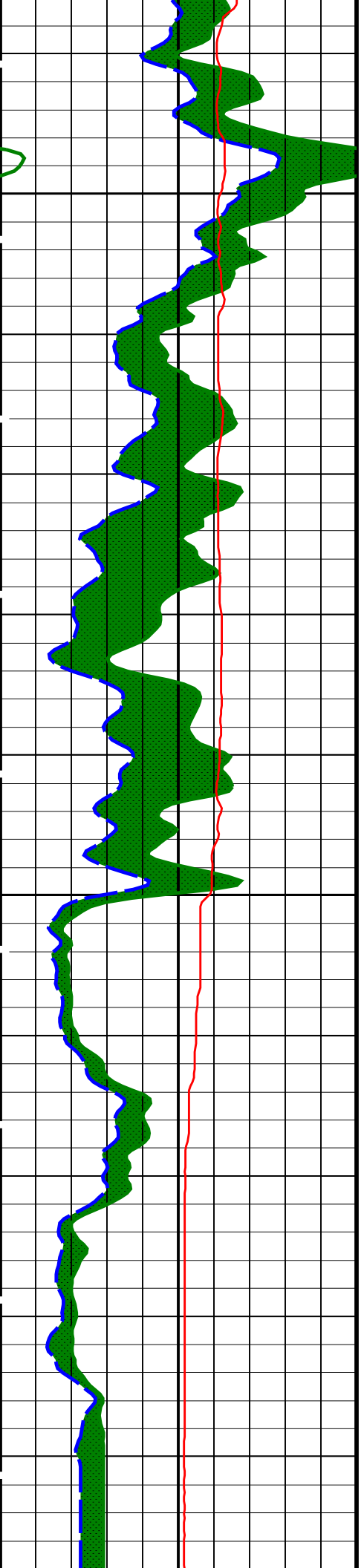




1350

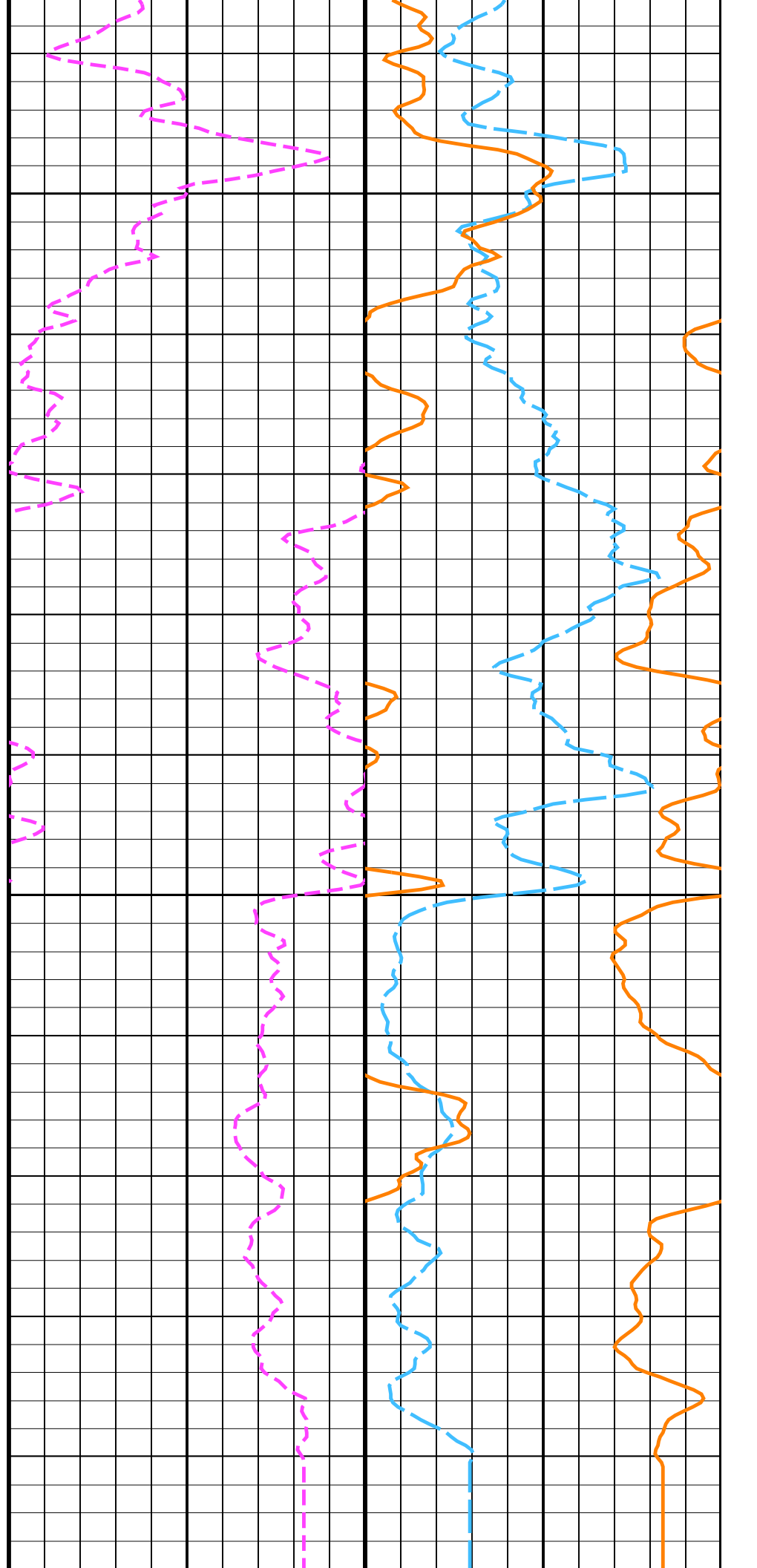
1375

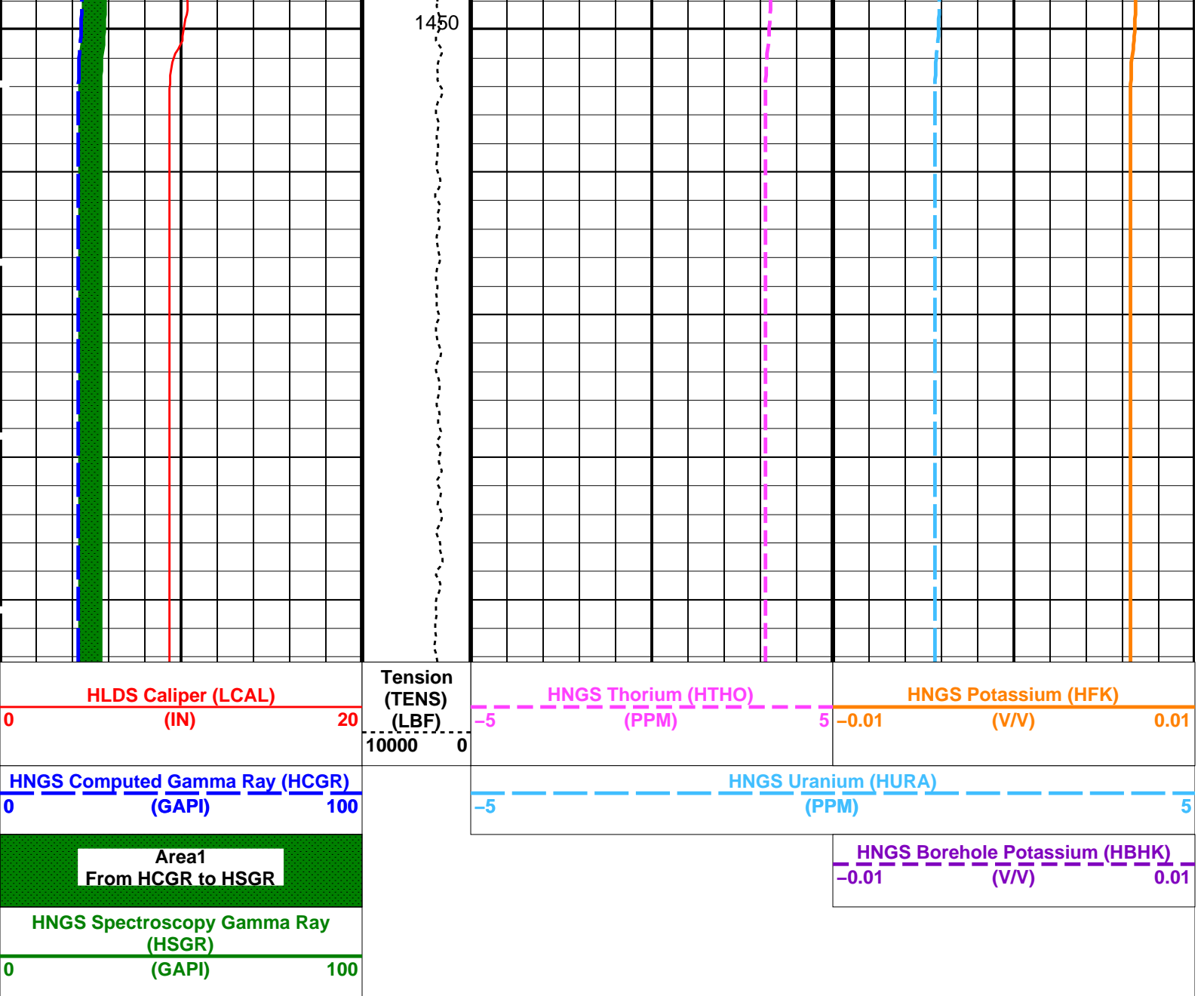




1400

1425





PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	LCAL
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.00170464
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
HNPE	HNGS Processing Enable	YES
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS

SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
TPOS	Tool Position	ECCE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.01238
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01194
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.26 G/C3

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 14-Sep-2021 20:56

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_023LUP	FN:15	PRODUCER	14-Sep-2021 20:56
RTB	MSS_LDEO_HRLA_LDL_023LUP	FN:16	PRODUCER	14-Sep-2021 20:56

Company: International Ocean Discovery Program Well: Expedition 396, Site U1572A

Output DLIS Files

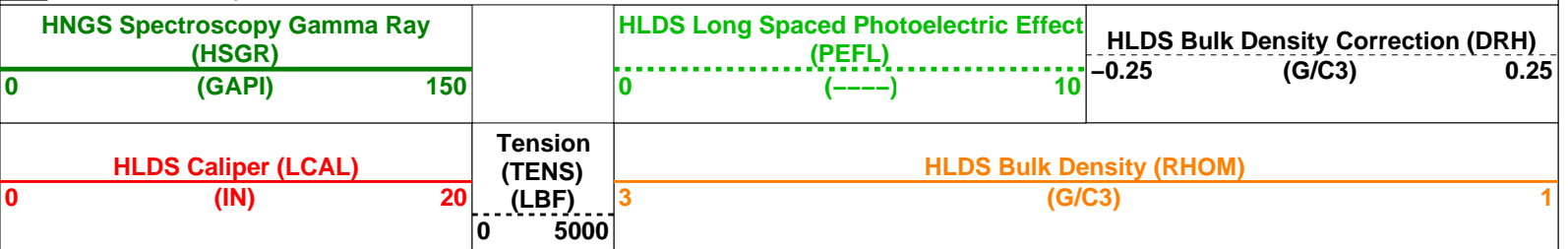
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RTB	MSS_LDEO_HRLA_LDL_023LUP	FN:16	PRODUCER	14-Sep-2021 20:56	1472.2 M	1209.3 M

OP System Version: 19C0-187

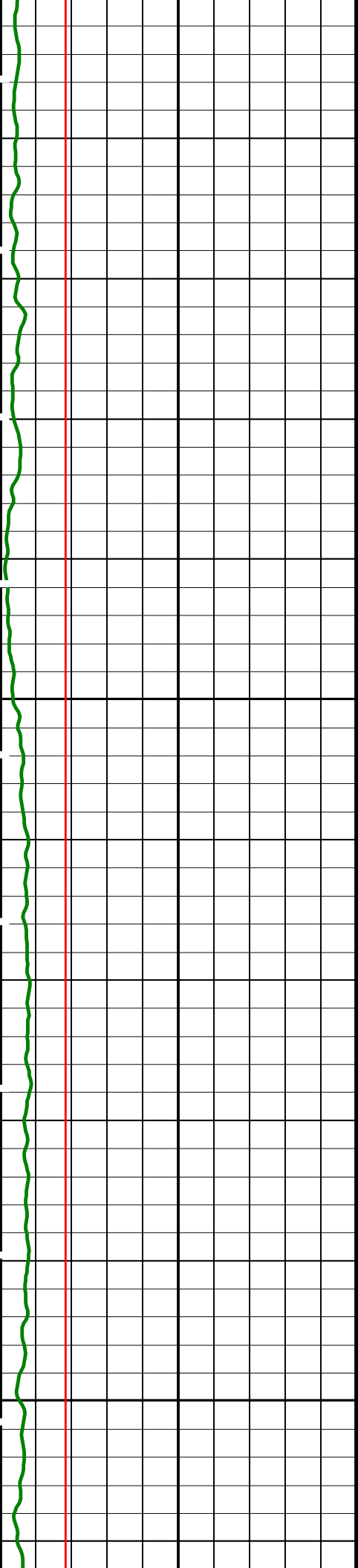
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

PIP SUMMARY

Time Mark Every 60 S

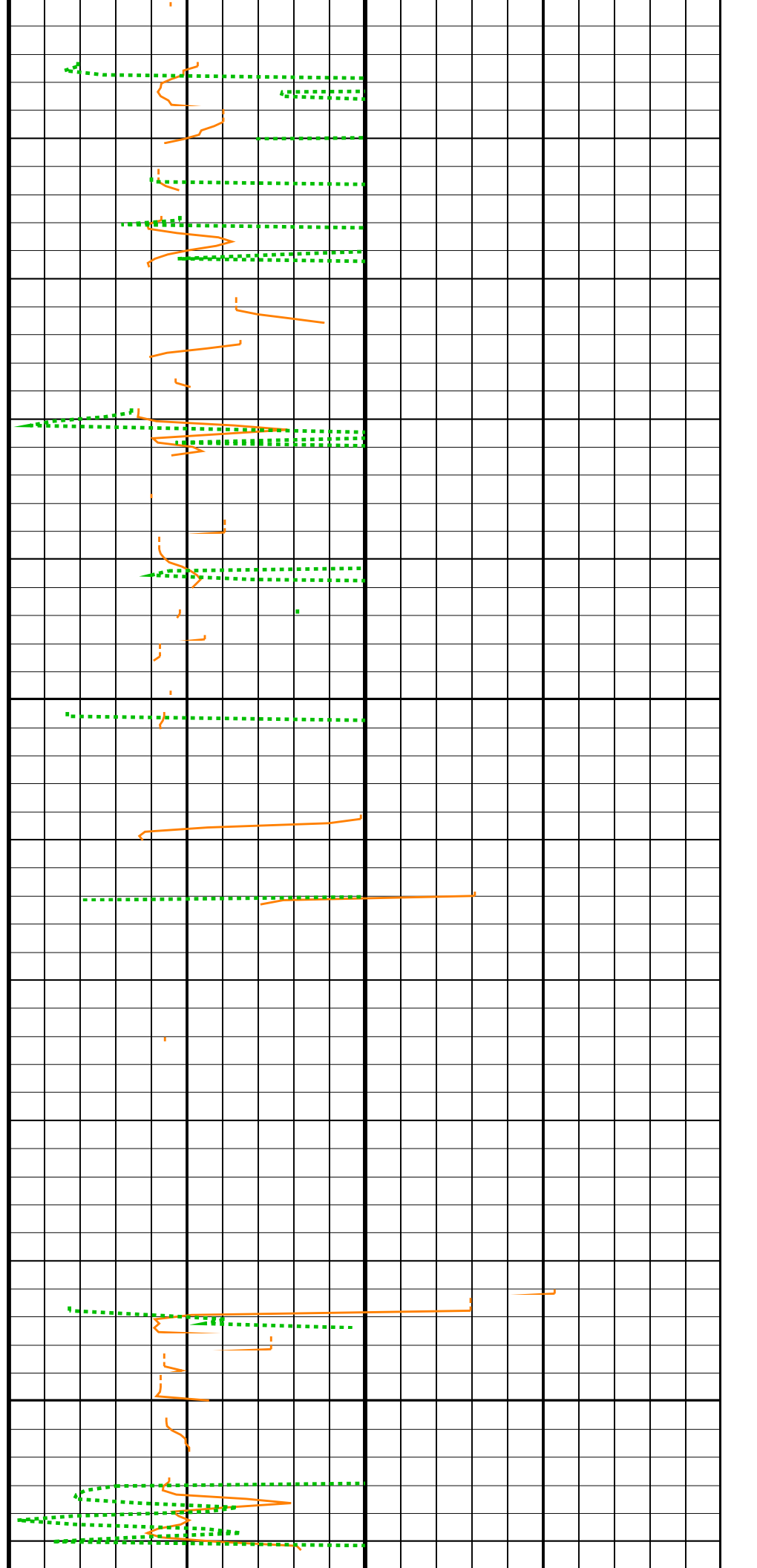


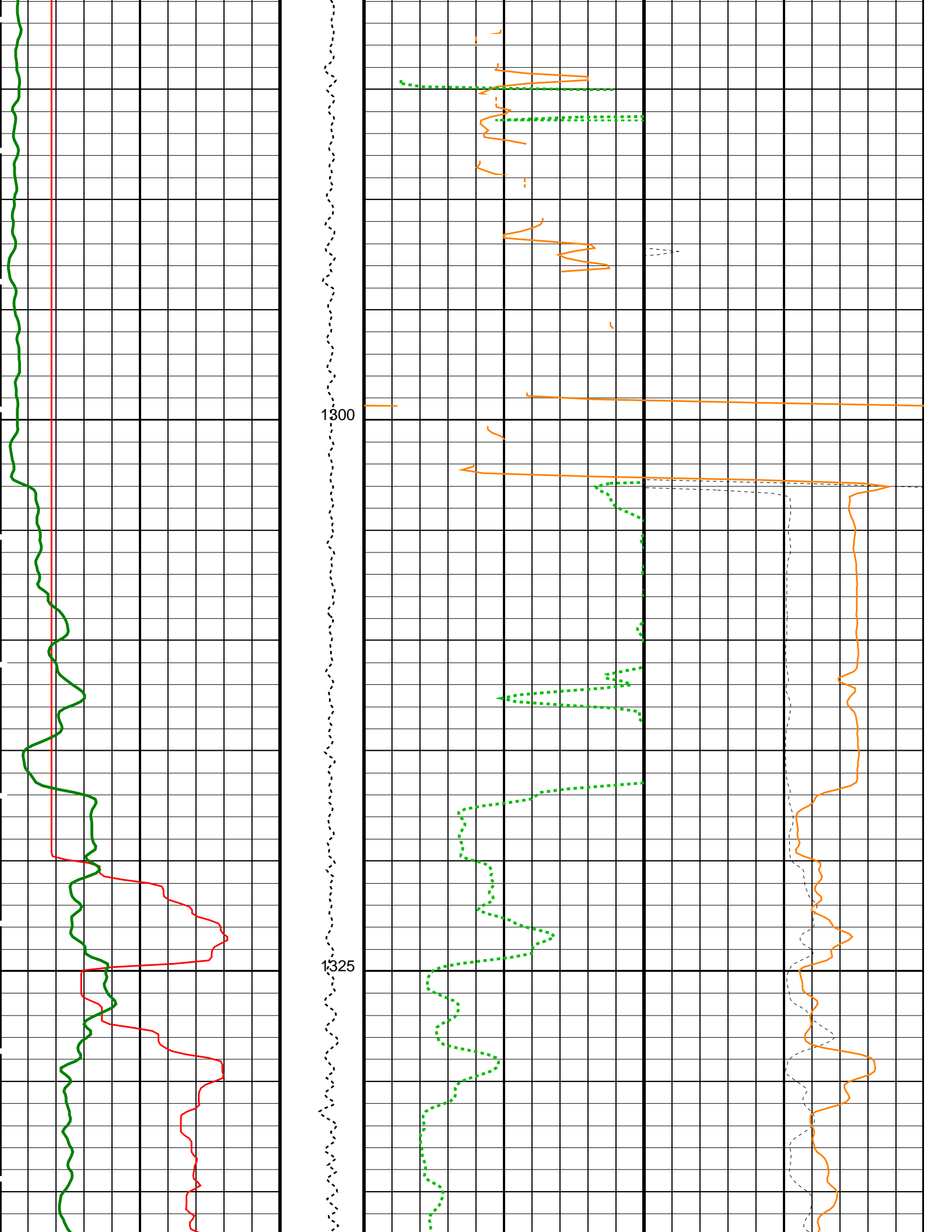
1225

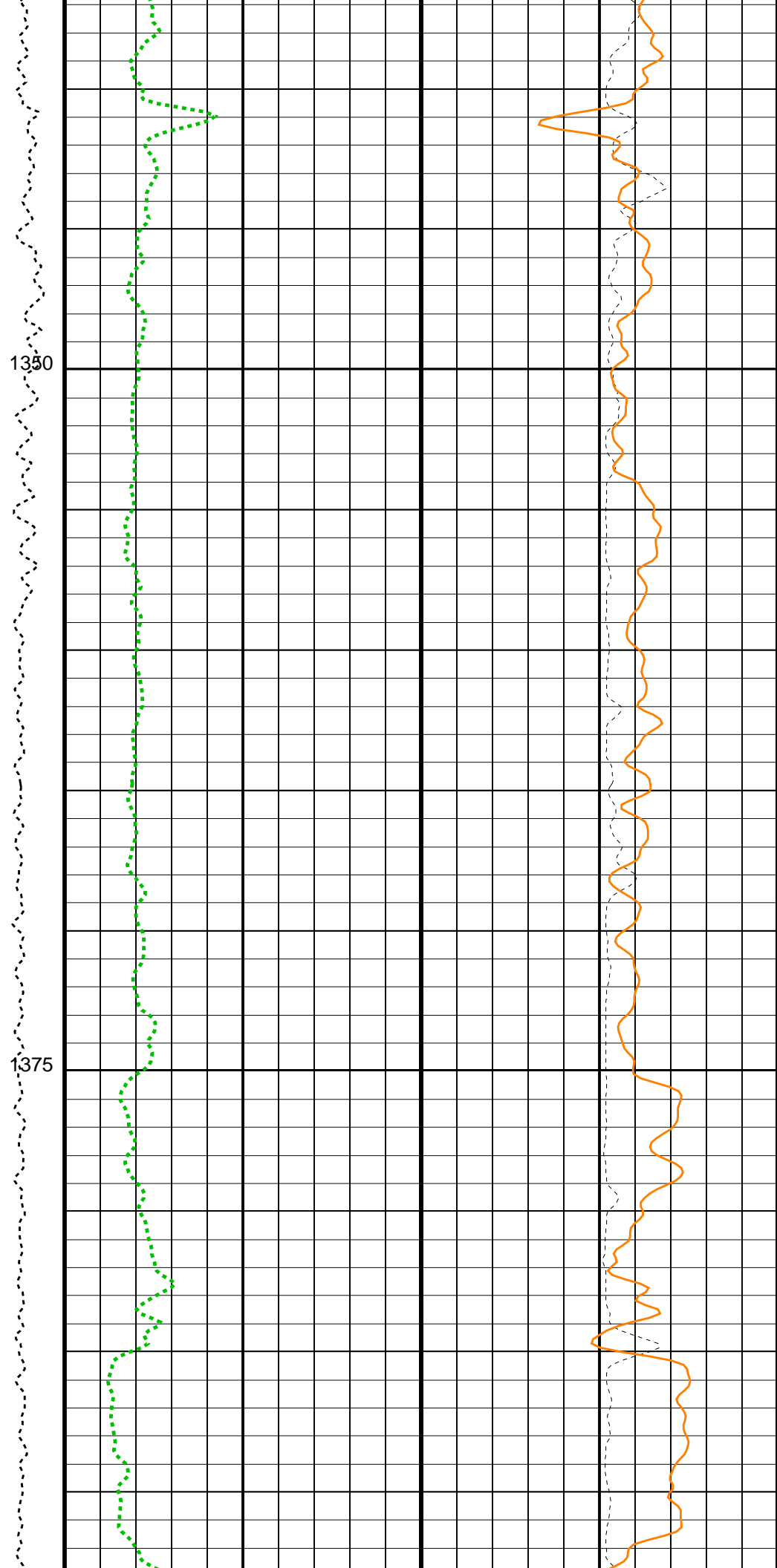
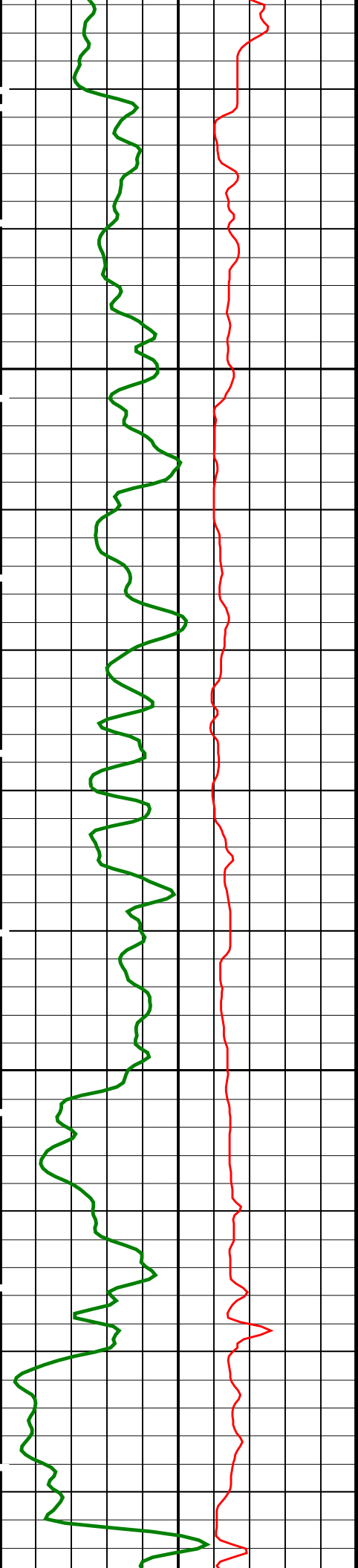


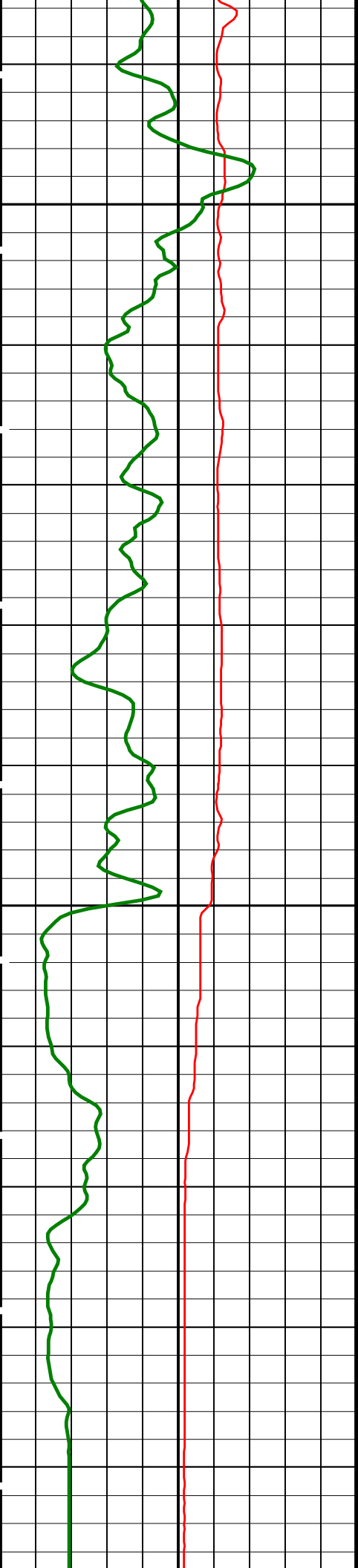
1250

1275



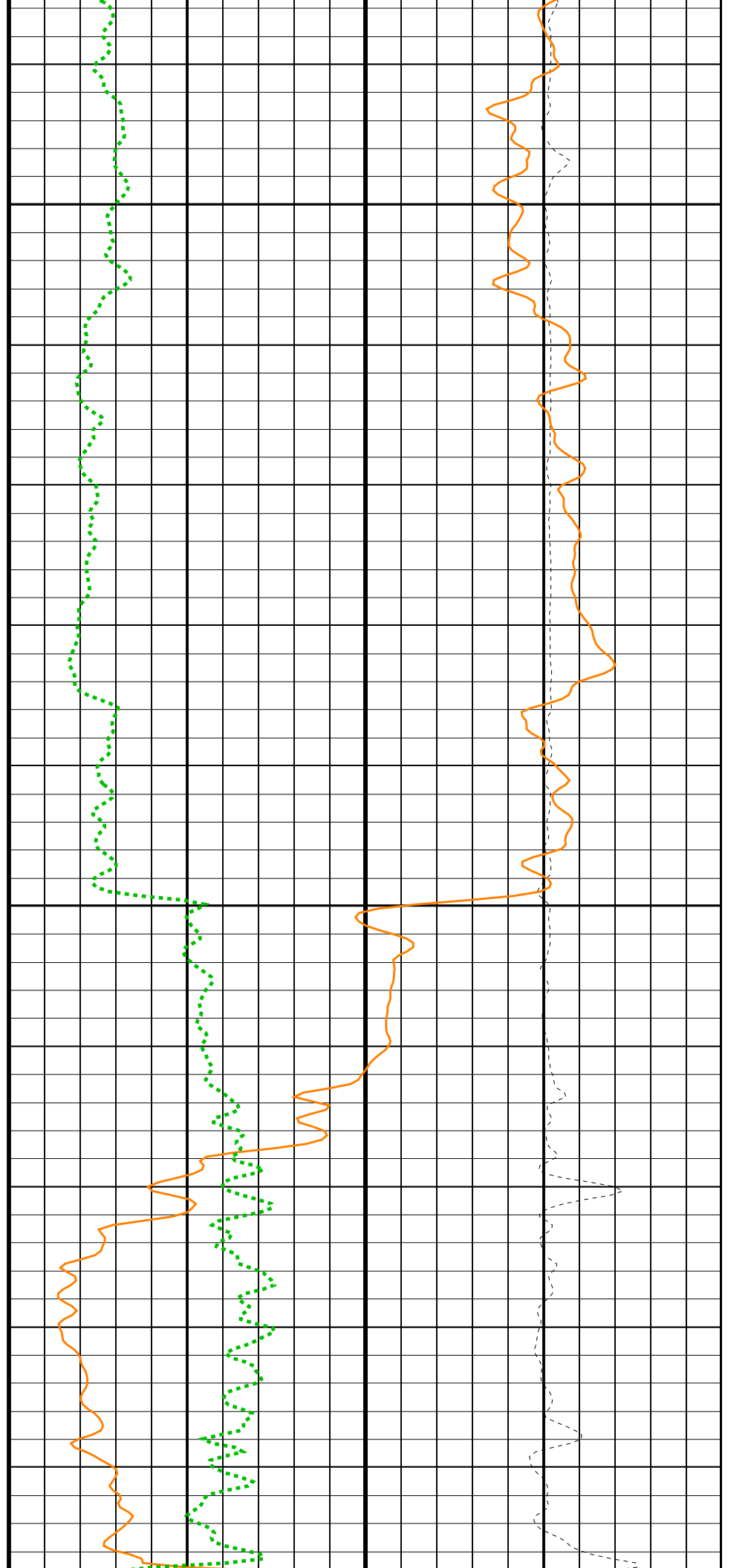


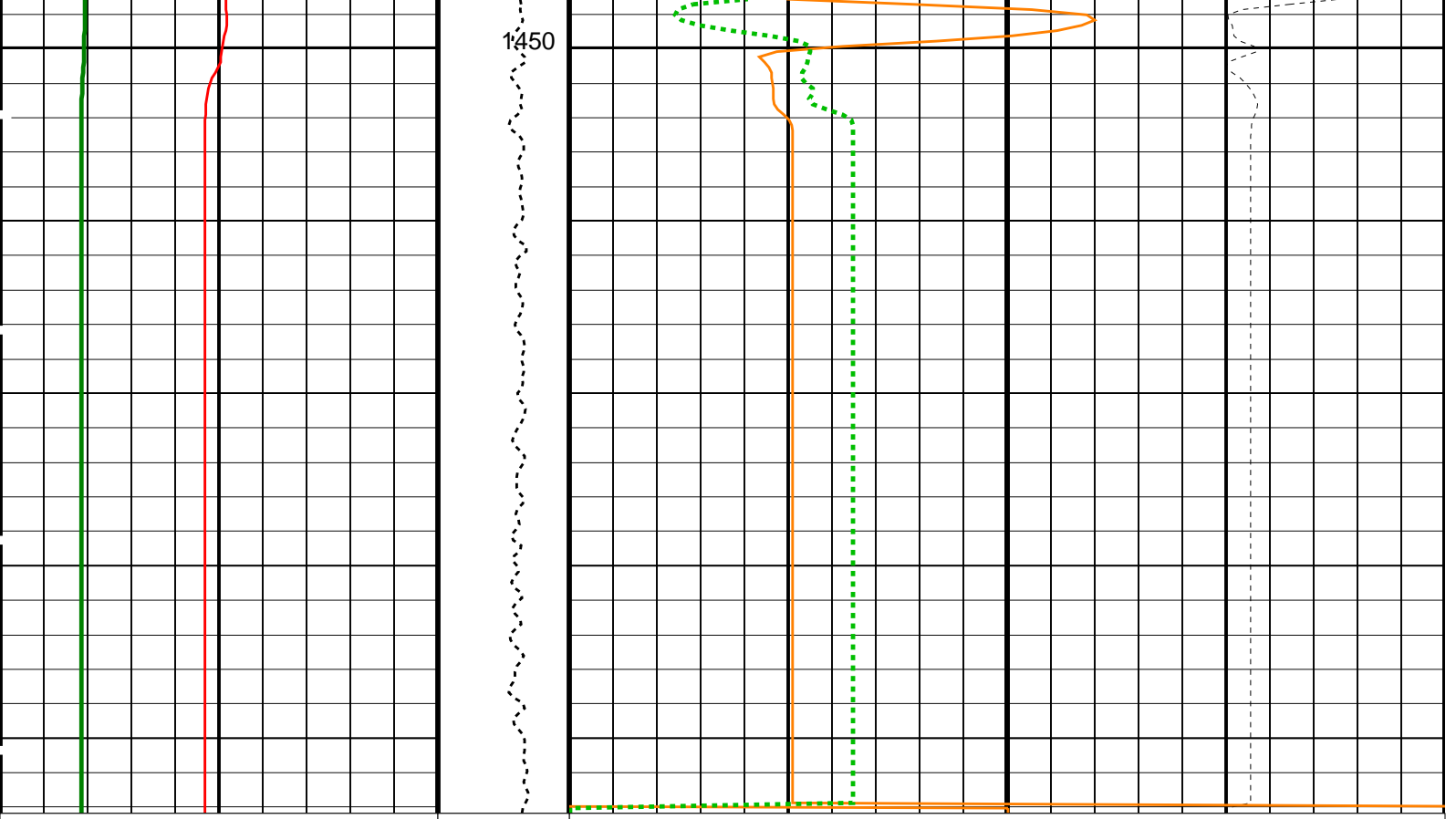




1400

1425





HLDS Caliper (LCAL) (IN)	Tension (TENS) (LBF)	HLDS Bulk Density (RHOM) (G/C3)
0 20	0 5000	3 1
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	HLDS Long Spaced Photoelectric Effect (PEFL) (----)	HLDS Bulk Density Correction (DRH) (G/C3)
0 150	0 10	-0.25 0.25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HRLT-B:	High Resolution Laterolog Array - B	
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
HLDS:	Hostile Litho-Density Sonde	
DHC	Density Hole Correction	CALIPER
DPPM	Density Porosity Processing Mode	HIRS
FD	Fluid Density	1 G/C3
LATC	HLDS Activation Correction	ON
MDEN	Matrix Density	2.6 G/C3
HNGS-BA:	Hostile Natural Gamma Ray Sonde	
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	LCAL
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.00170464
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
HNPE	HNGS Processing Enable	YES
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES

TPOS	Tool Position	ECCE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.01238
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01194
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.26 G/C3

Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 14-Sep-2021 20:56

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_023LUP	FN:15	PRODUCER	14-Sep-2021 20:56
RTB	MSS_LDEO_HRLA_LDL_023LUP	FN:16	PRODUCER	14-Sep-2021 20:56

Company: International Ocean Discovery Program Well: Expedition 396, Site U1572A

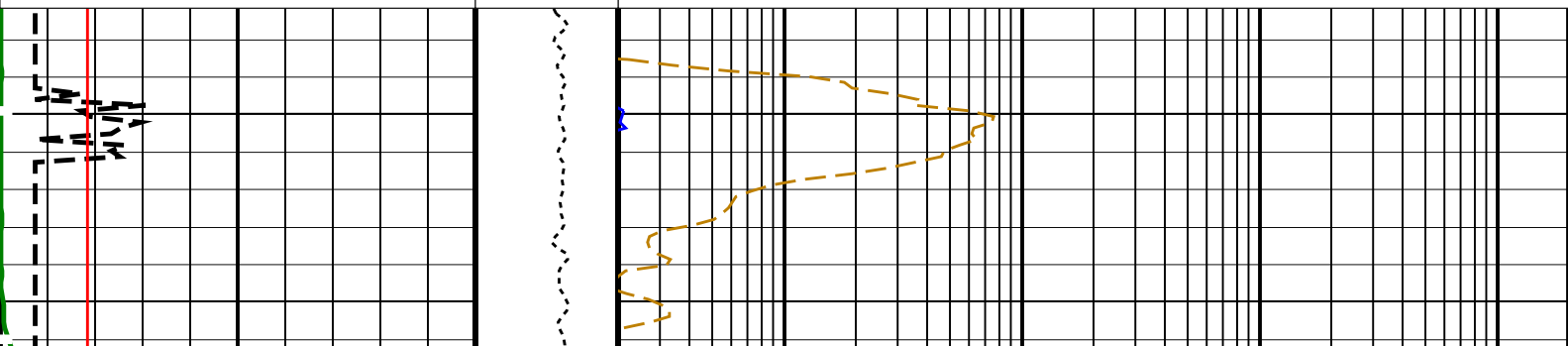
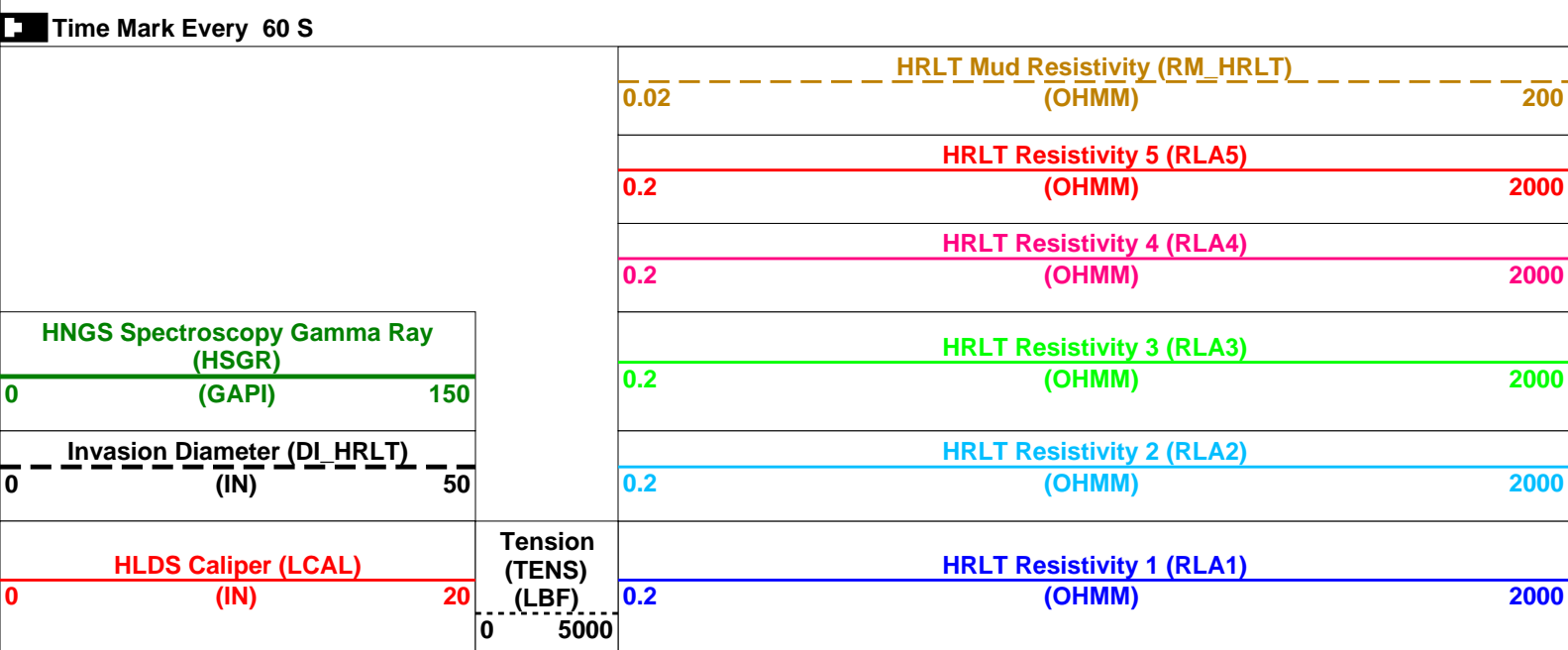
Output DLIS Files

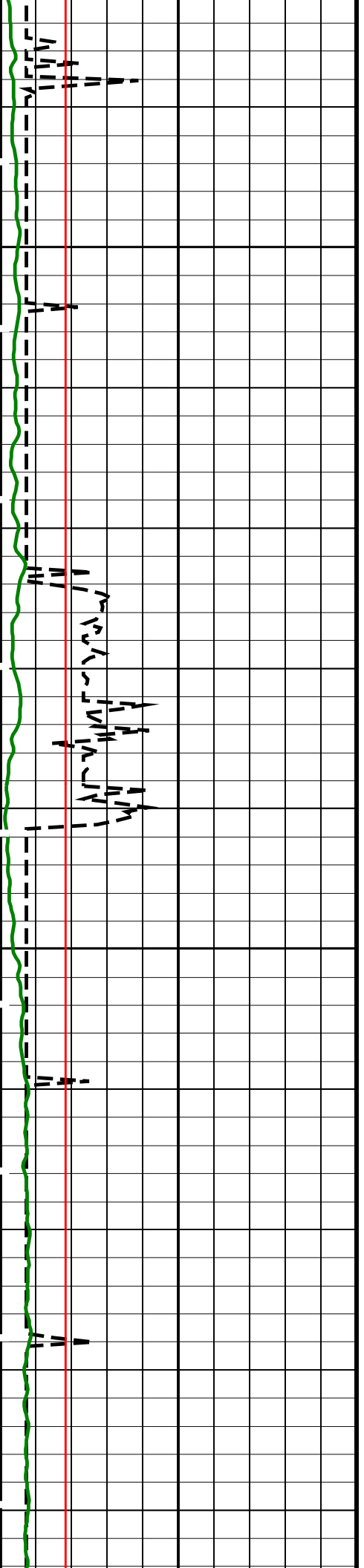
DEFAULT	MSS_LDEO_HRLA_LDL_023LUP	FN:15	PRODUCER	14-Sep-2021 20:56	1472.2 M	1209.3 M
RTB	MSS_LDEO_HRLA_LDL_023LUP	FN:16	PRODUCER	14-Sep-2021 20:56	1472.2 M	1209.3 M

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

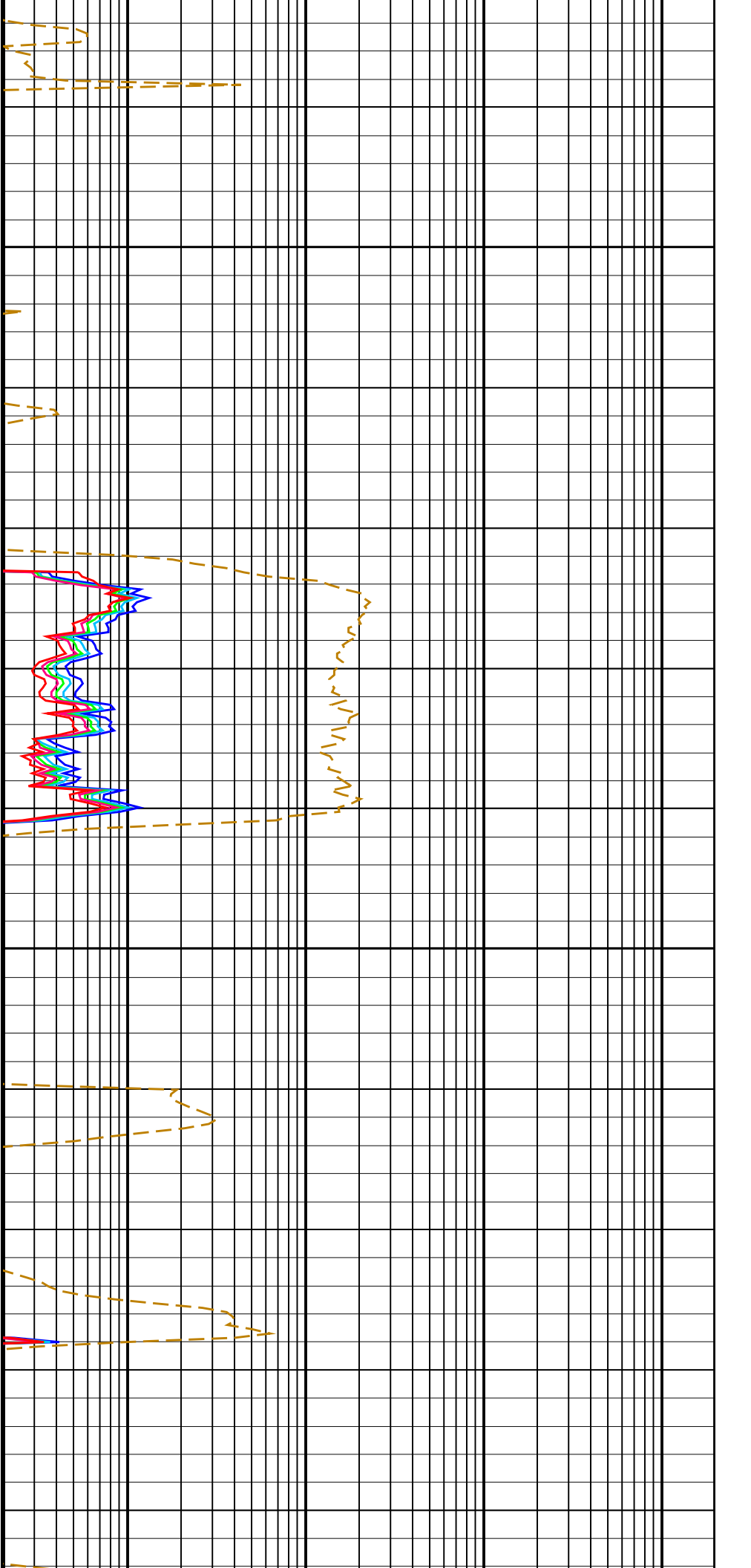
PIP SUMMARY

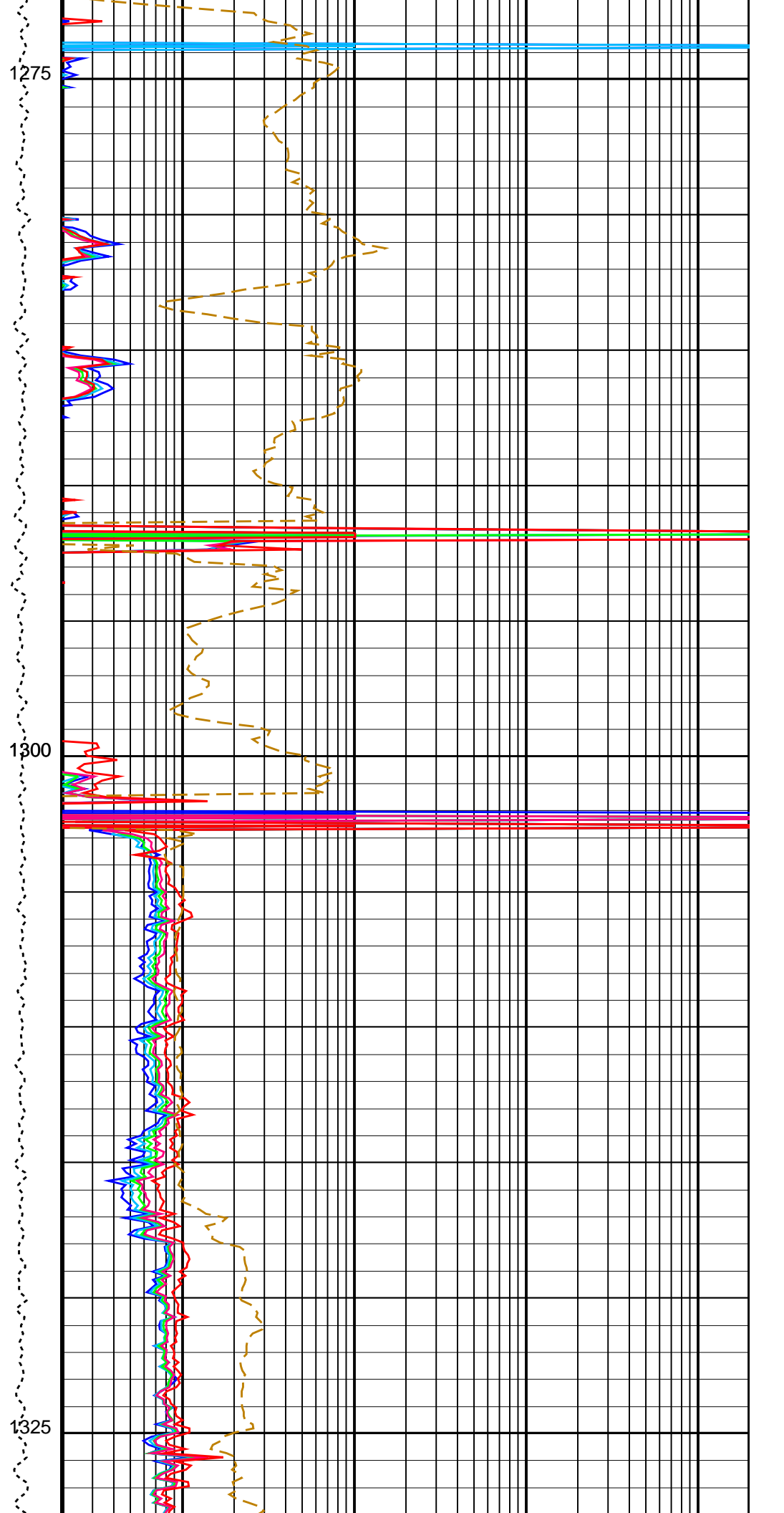
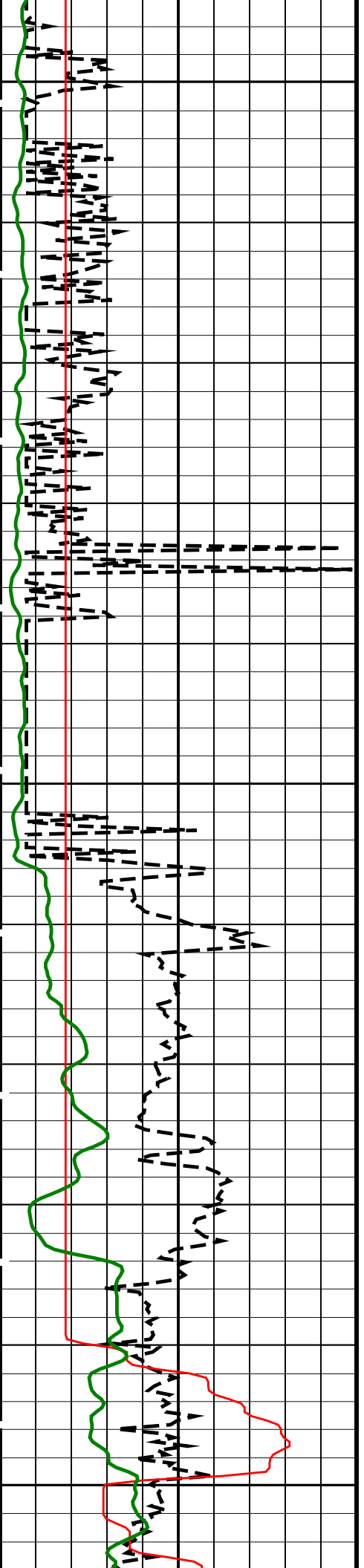




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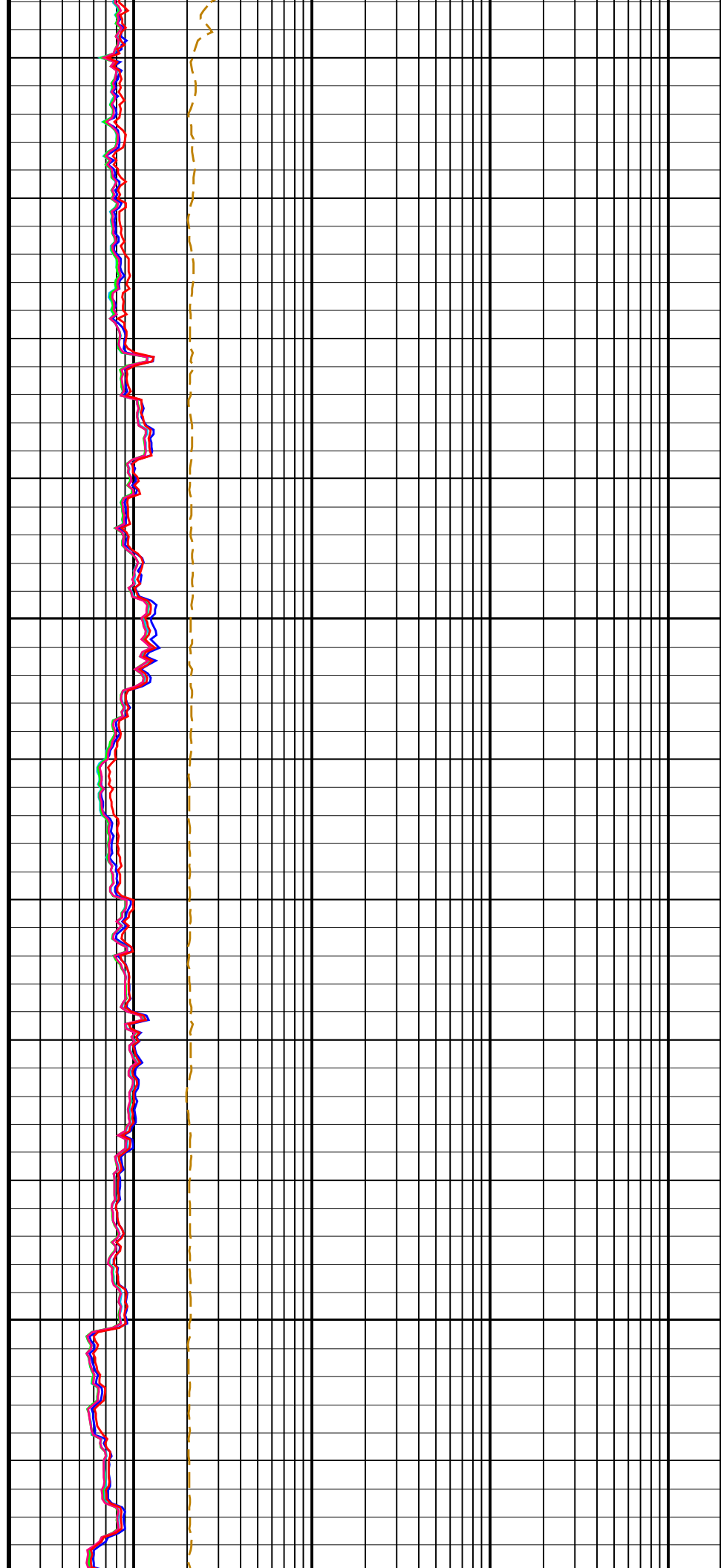
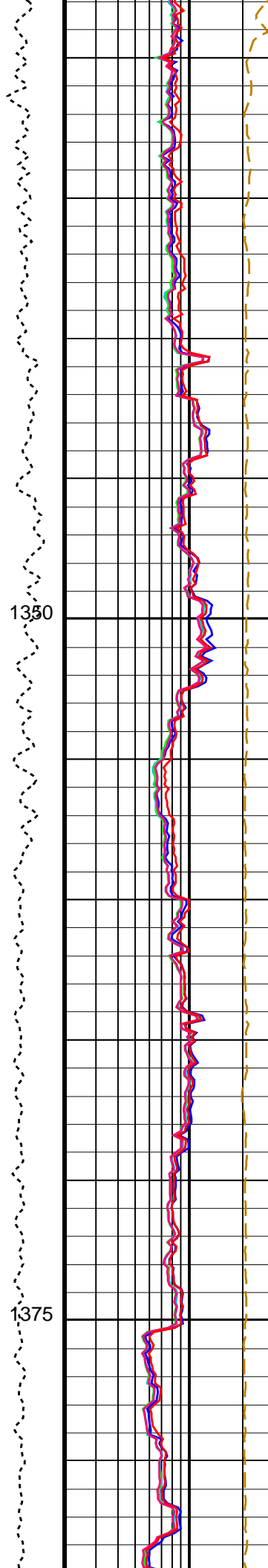
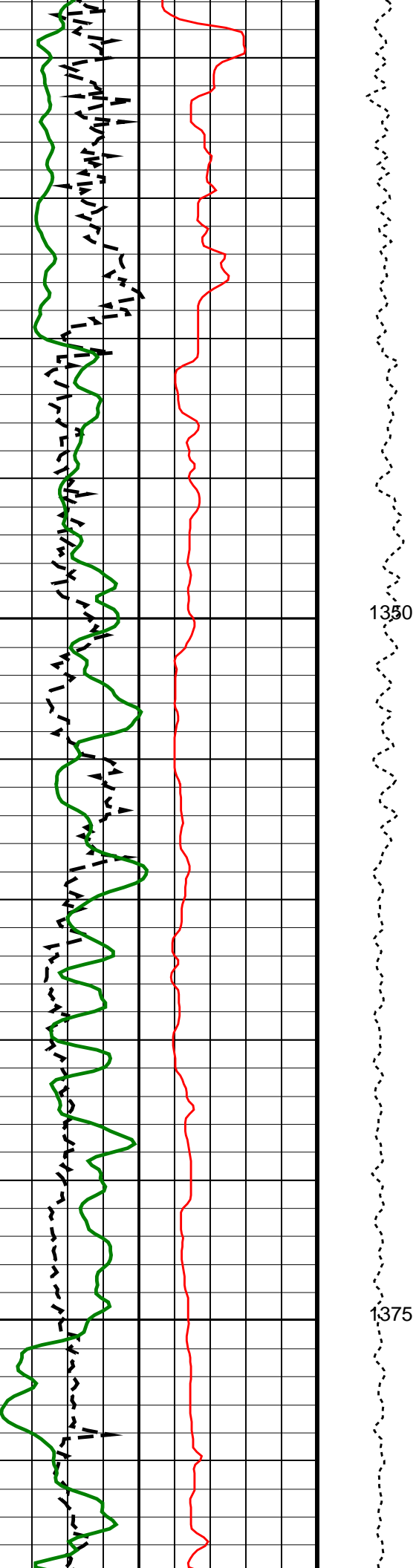


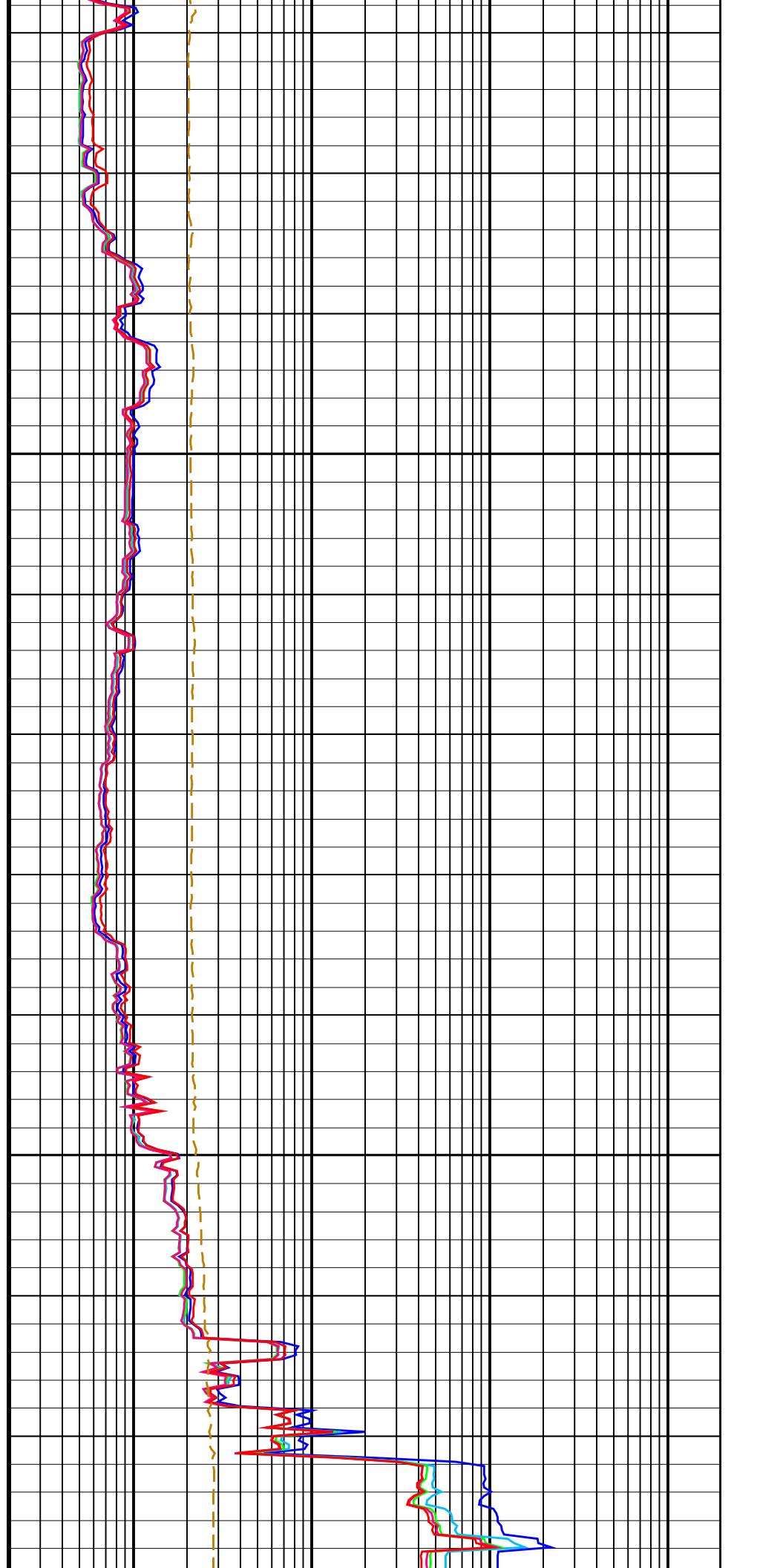
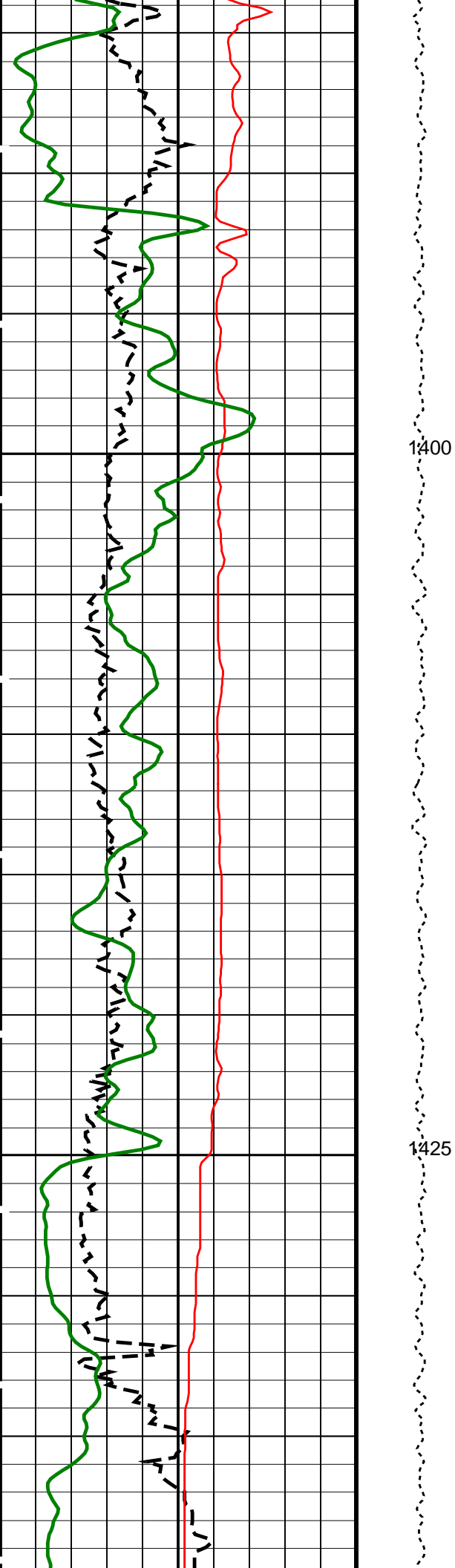


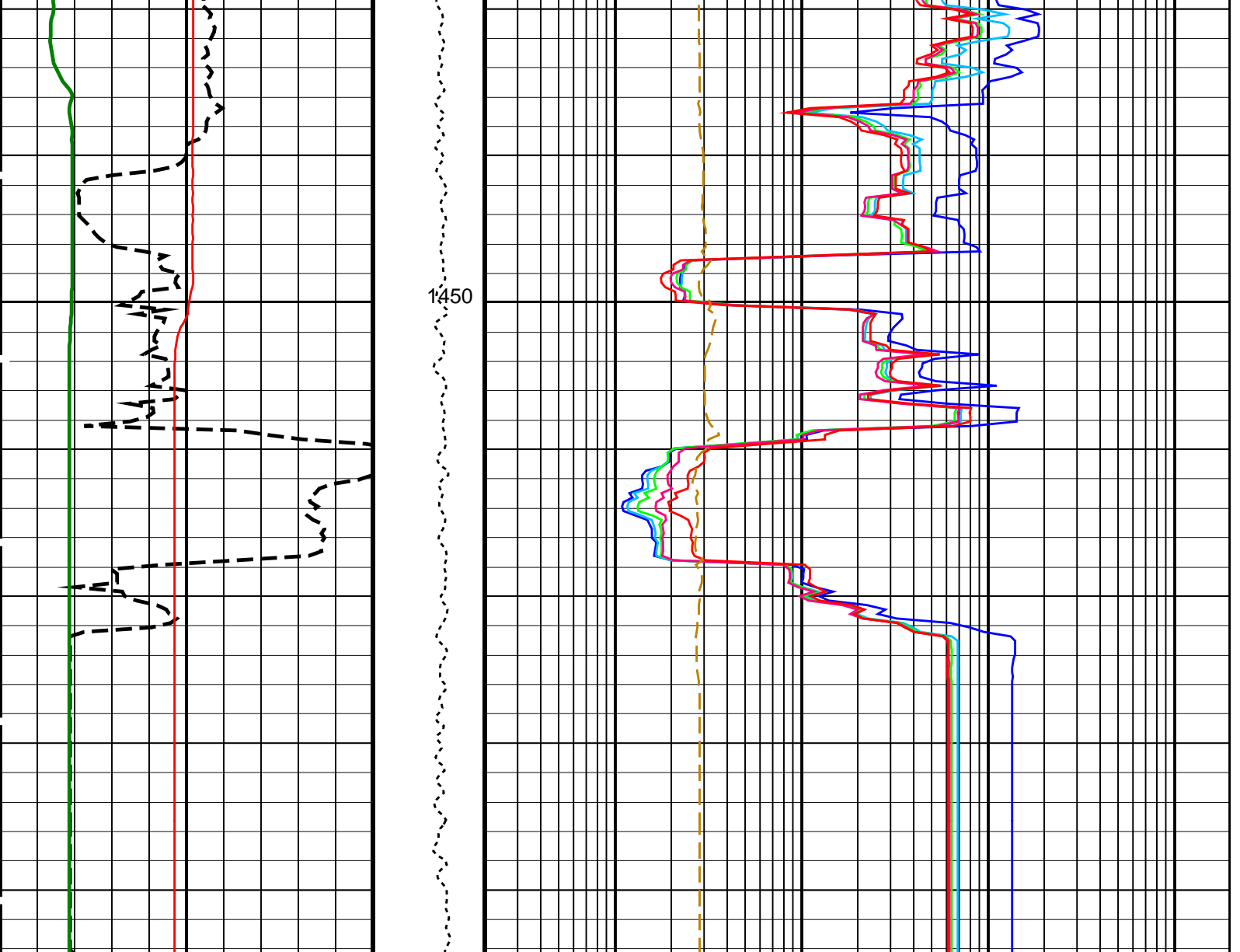
1275

1300

1325







HLDS Caliper (LCAL) (IN) 0 20	Tension (TENS) (LBF) 0 5000	HRLT Resistivity 1 (RLA1) (OHMM) 0.2 2000
Invasion Diameter (DI_HRLT) (IN) 0 50		HRLT Resistivity 2 (RLA2) (OHMM) 0.2 2000
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 150		HRLT Resistivity 3 (RLA3) (OHMM) 0.2 2000
		HRLT Resistivity 4 (RLA4) (OHMM) 0.2 2000
		HRLT Resistivity 5 (RLA5) (OHMM) 0.2 2000
		HRLT Mud Resistivity (RM_HRLT) (OHMM) 0.02 200

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	HRLT-B: High Resolution Laterolog Array - B Borehole Status	OPEN

BHT	Bottom Hole Temperature (used in calculations)	7	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
PROCINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Eccentered	
SHT	Surface Hole Temperature	20	DEGC
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	7	DEGC
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00170464	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.01238	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01194	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
TD	Total Depth	2292	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 14-Sep-2021 20:56

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_023LUP	FN:15	PRODUCER	14-Sep-2021 20:56
RTB	MSS_LDEO_HRLA_LDL_023LUP	FN:16	PRODUCER	14-Sep-2021 20:56

Company: International Ocean Discovery Program Well: Expedition 396, Site U1572A

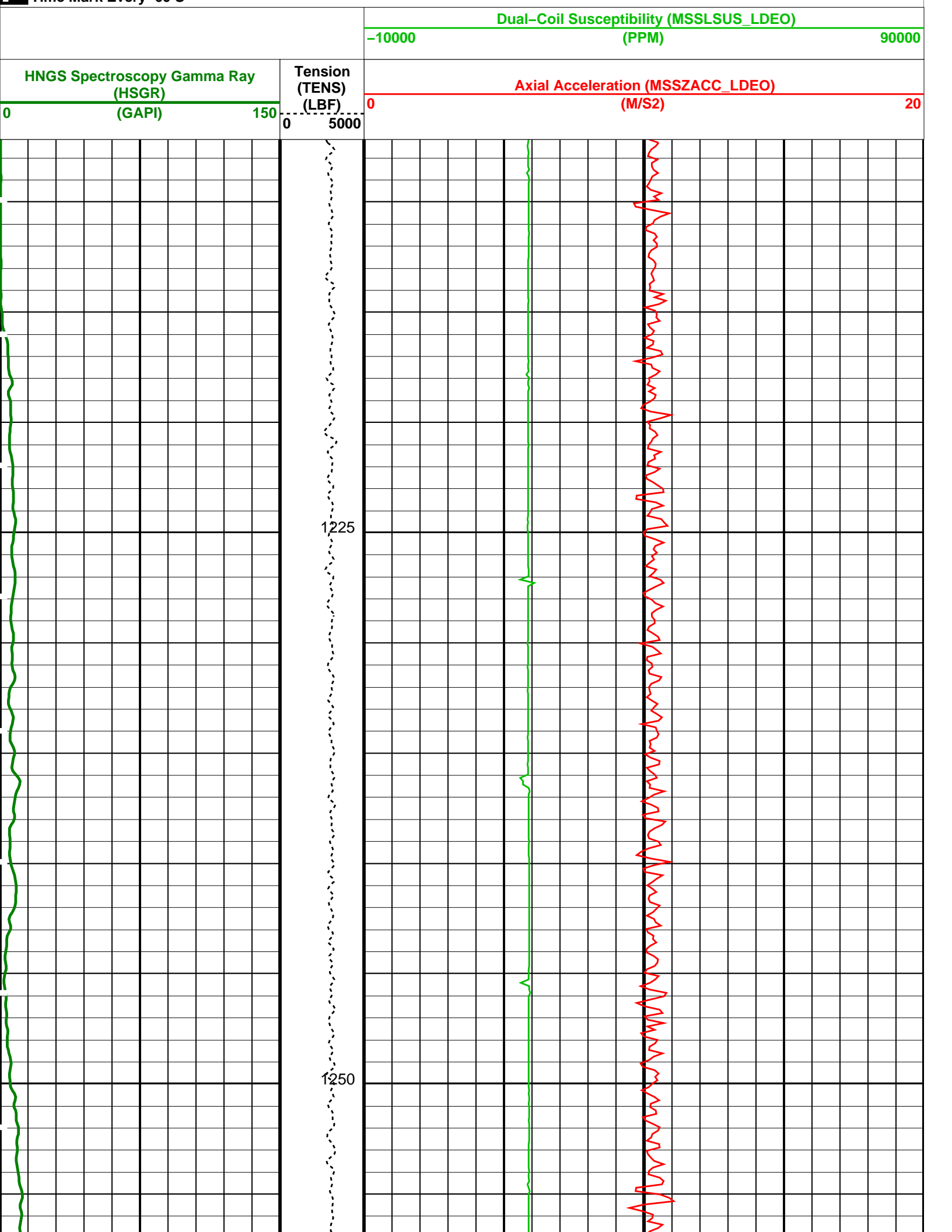
Output DLIS Files

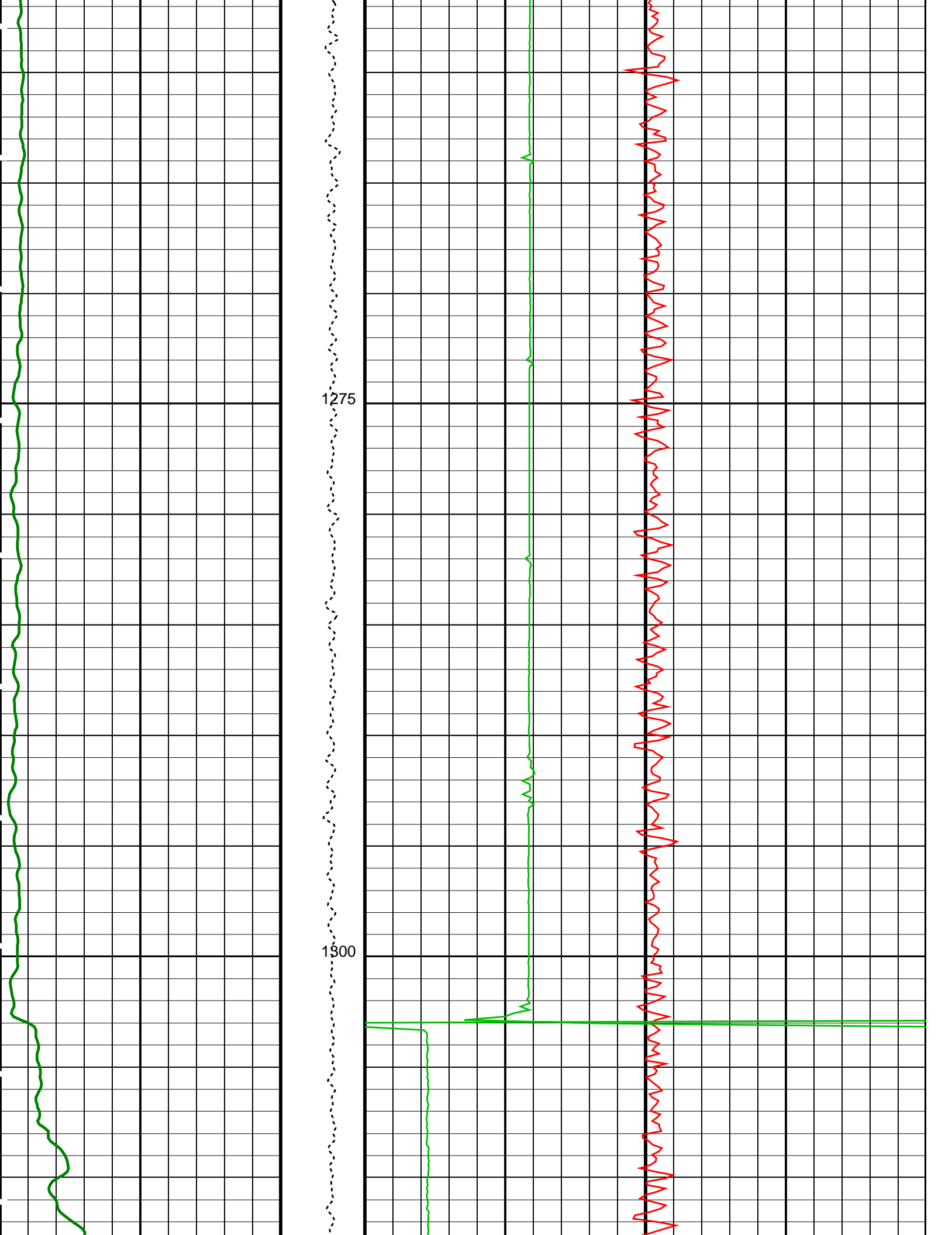
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RTB	MSS_LDEO_HRLA_LDL_023LUP	FN:16	PRODUCER	14-Sep-2021 20:56	1472.2 M	1209.3 M

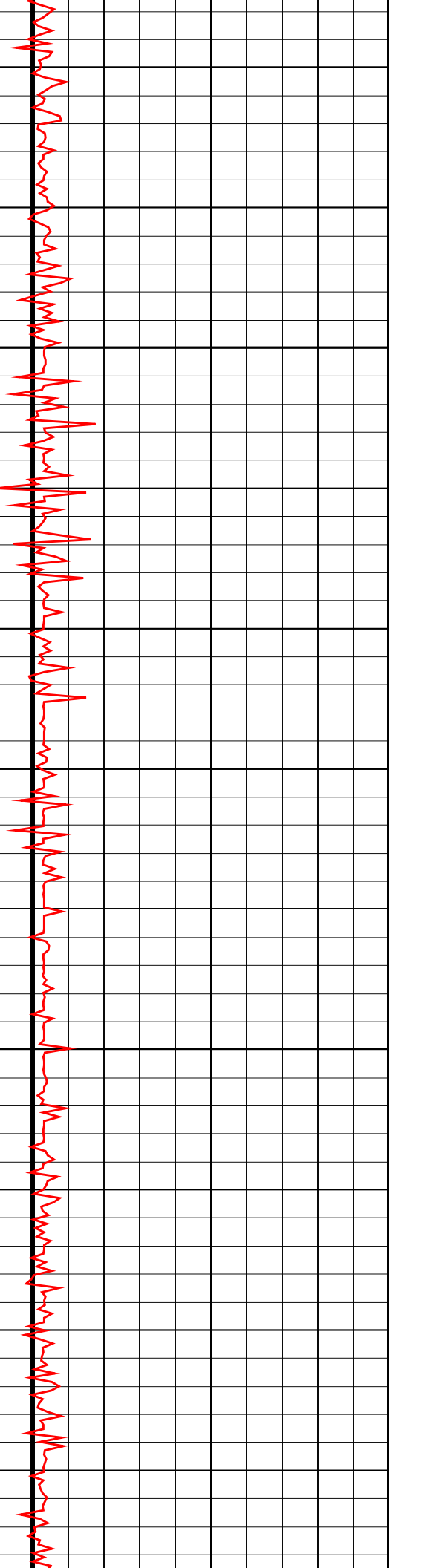
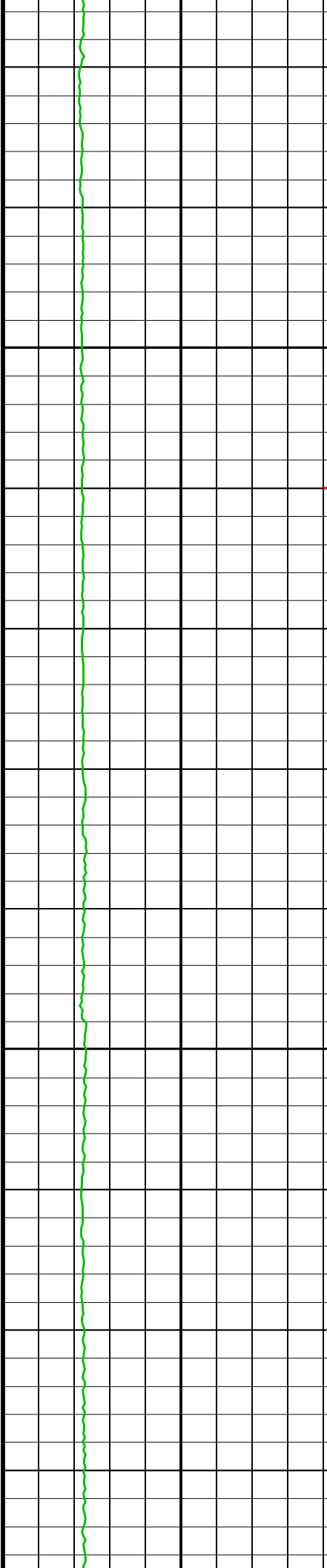
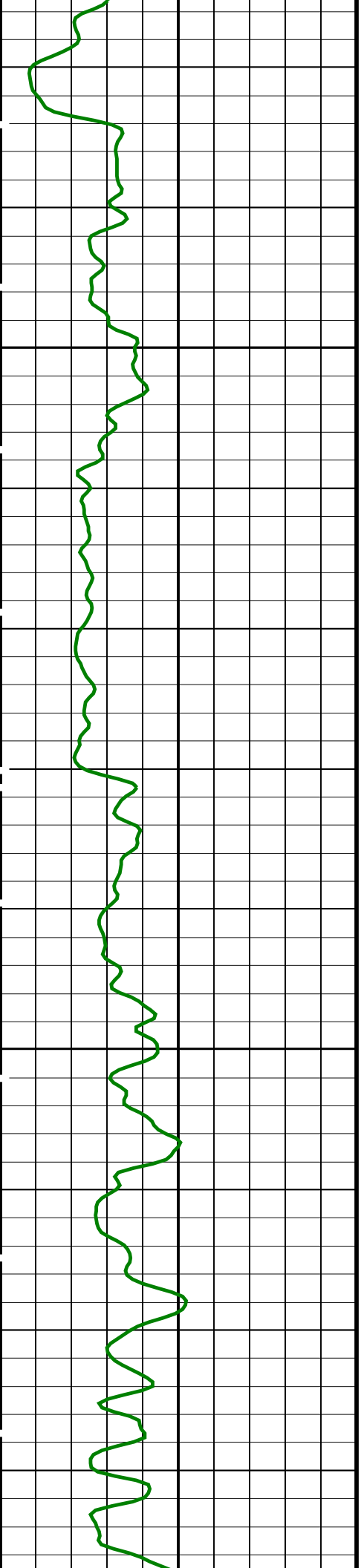
OP System Version: 19C0-187

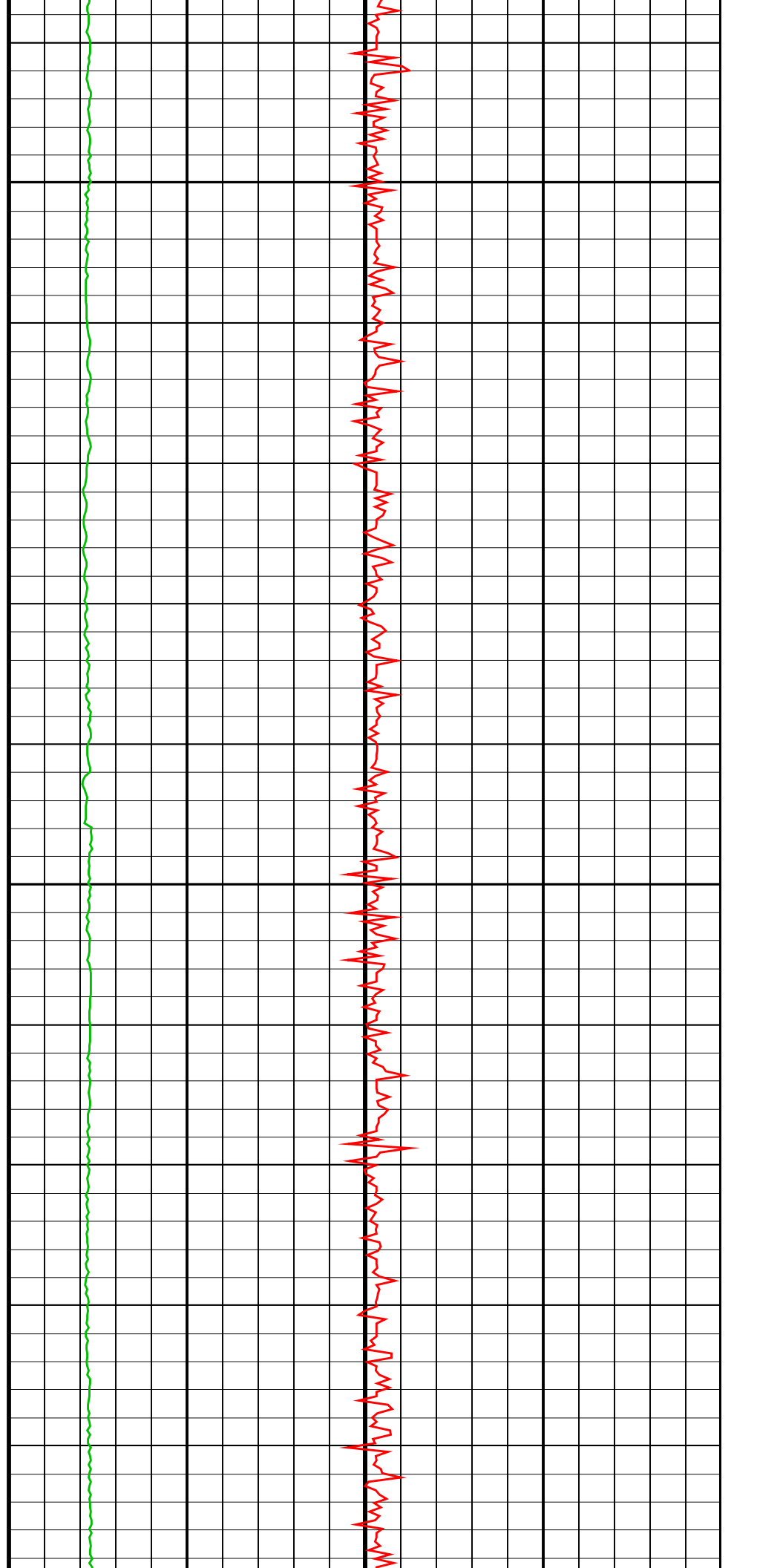
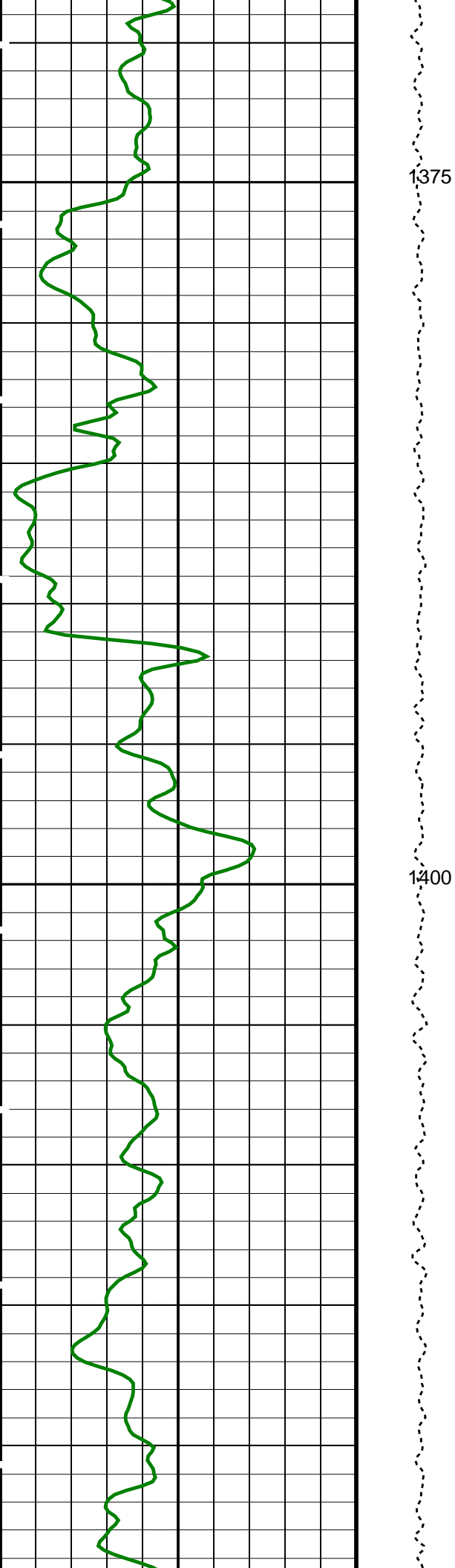
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

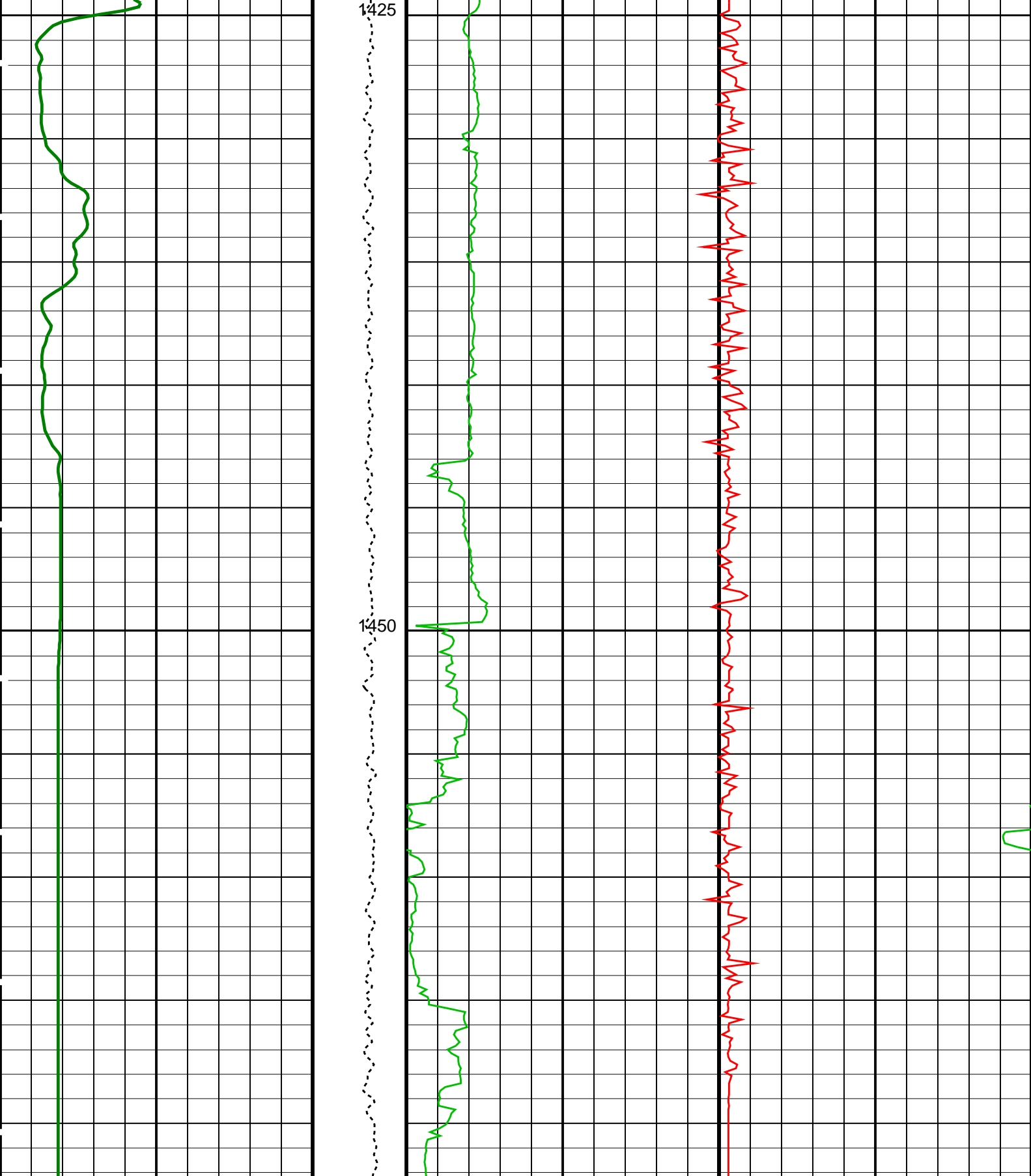
PIP SUMMARY











HNGS Spectroscopy Gamma Ray
(HSGR)
(GAPI)

Tension
(TENS)
(LBF)

Axial Acceleration (MSSZACC_LDEO)
(M/S2)

Dual-Coil Susceptibility (MSSL SUS_LDEO)
(PPM)

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
	HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00170464	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.01238	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01194	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3

Format: MSS_Logging

Vertical Scale: 1:200

Graphics File Created: 14-Sep-2021 20:56

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_023LUP	FN:15	PRODUCER	14-Sep-2021 20:56
RTB	MSS_LDEO_HRLA_LDL_023LUP	FN:16	PRODUCER	14-Sep-2021 20:56



Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High Resolution Laterolog Array - B Wellsite Calibration - HRLT M01							
Before: 14-Sep-2021 18:47 After: 14-Sep-2021 22:34							
HRLT M0-M1 Voltage Plus - 0	0	N/A	-318.8	-318.7	0.1131	9.681	UV
HRLT M0-M1 Voltage Plus - 1	0	N/A	-330.2	-330.3	-0.05151	9.681	UV
HRLT M0-M1 Voltage Plus - 2	0	N/A	-337.3	-337.4	-0.07089	9.681	UV
HRLT M0-M1 Voltage Plus - 3	0	N/A	-328.5	-328.4	0.01584	9.681	UV

HRLT M0-M1 Voltage Plus - 4	0	N/A	-319.9	-319.9	0.05478	9.681	UV
HRLT M0-M1 Voltage Plus - 5	0	N/A	-321.7	-321.6	0.02817	9.681	UV
HRLT M0-M1 Voltage Plus - 6	0	N/A	319.3	319.3	0.05991	9.681	UV
HRLT M0-M1 Voltage Plus - 7	0	N/A	-322.7	-322.7	0	9.681	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT M12

Before: 14-Sep-2021 18:47 After: 14-Sep-2021 22:34

HRLT M1-M2 Voltage Plus - 0	0	N/A	1739	1739	-0.8499	53.42	UV
HRLT M1-M2 Voltage Plus - 1	0	N/A	1809	1809	-0.03320	53.42	UV
HRLT M1-M2 Voltage Plus - 2	0	N/A	1841	1841	0.04541	53.42	UV
HRLT M1-M2 Voltage Plus - 3	0	N/A	1791	1791	-0.05688	53.42	UV
HRLT M1-M2 Voltage Plus - 4	0	N/A	1743	1742	-0.5289	53.42	UV
HRLT M1-M2 Voltage Plus - 5	0	N/A	1753	1753	-0.2898	53.42	UV
HRLT M1-M2 Voltage Plus - 6	0	N/A	-1758	-1758	-0.0002441	53.42	UV
HRLT M1-M2 Voltage Plus - 7	0	N/A	1781	1781	0	53.42	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT M23

Before: 14-Sep-2021 18:47 After: 14-Sep-2021 22:34

HRLT M2-M3 Voltage Plus - 0	0	N/A	1732	1731	-1.467	53.42	UV
HRLT M2-M3 Voltage Plus - 1	0	N/A	1812	1812	-0.9506	53.42	UV
HRLT M2-M3 Voltage Plus - 2	0	N/A	1846	1845	-0.7383	53.42	UV
HRLT M2-M3 Voltage Plus - 3	0	N/A	1799	1798	-1.133	53.42	UV
HRLT M2-M3 Voltage Plus - 4	0	N/A	1745	1744	-1.178	53.42	UV
HRLT M2-M3 Voltage Plus - 5	0	N/A	1757	1756	-1.473	53.42	UV
HRLT M2-M3 Voltage Plus - 6	0	N/A	-1750	-1749	0.9375	53.42	UV
HRLT M2-M3 Voltage Plus - 7	0	N/A	1781	1781	0	53.42	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V34

Before: 14-Sep-2021 18:47 After: 14-Sep-2021 22:34

HRLT A3-A4 Voltage Plus - 0	0	N/A	68630	68620	-8.156	2100	UV
HRLT A3-A4 Voltage Plus - 1	0	N/A	71630	71660	36.57	2100	UV
HRLT A3-A4 Voltage Plus - 2	0	N/A	73270	73270	0	2100	UV
HRLT A3-A4 Voltage Plus - 3	0	N/A	71670	71680	10.63	2100	UV
HRLT A3-A4 Voltage Plus - 4	0	N/A	69480	69480	2.008	2100	UV
HRLT A3-A4 Voltage Plus - 5	0	N/A	69950	69940	-3.883	2100	UV
HRLT A3-A4 Voltage Plus - 6	0	N/A	-68170	-68200	-29.48	2100	UV
HRLT A3-A4 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V45

Before: 14-Sep-2021 18:47 After: 14-Sep-2021 22:34

HRLT A4-A5 Voltage Plus - 0	0	N/A	68720	68710	-6.906	2100	UV
HRLT A4-A5 Voltage Plus - 1	0	N/A	71850	71870	19.20	2100	UV
HRLT A4-A5 Voltage Plus - 2	0	N/A	73450	73450	0.8203	2100	UV
HRLT A4-A5 Voltage Plus - 3	0	N/A	71800	71830	33.40	2100	UV
HRLT A4-A5 Voltage Plus - 4	0	N/A	69580	69580	0	2100	UV
HRLT A4-A5 Voltage Plus - 5	0	N/A	70040	70040	-5.180	2100	UV
HRLT A4-A5 Voltage Plus - 6	0	N/A	-68370	-68400	-33.80	2100	UV
HRLT A4-A5 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V56

Before: 14-Sep-2021 18:47 After: 14-Sep-2021 22:34

HRLT A5-A6 Voltage Plus - 0	0	N/A	68570	68560	-9.406	2100	UV
HRLT A5-A6 Voltage Plus - 1	0	N/A	71680	71730	51.21	2100	UV
HRLT A5-A6 Voltage Plus - 2	0	N/A	73280	73320	49.30	2100	UV
HRLT A5-A6 Voltage Plus - 3	0	N/A	71670	71690	15.94	2100	UV
HRLT A5-A6 Voltage Plus - 4	0	N/A	69450	69440	-5.344	2100	UV
HRLT A5-A6 Voltage Plus - 5	0	N/A	69900	69900	-0.6406	2100	UV
HRLT A5-A6 Voltage Plus - 6	0	N/A	-68220	-68240	-22.54	2100	UV
HRLT A5-A6 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VTP

Before: 14-Sep-2021 18:47 After: 14-Sep-2021 22:34

HRLT Torpedo-M0 Voltage - 0	0	N/A	-68100	-68090	8.984	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-71490	-71520	-25.22	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-73130	-73150	-17.20	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-71580	-71610	-31.10	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-69410	-69410	0	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-69870	-69870	4.328	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	67980	68000	20.62	2100	UV
HRLT Torpedo-M0 Voltage - 7	0	N/A	-70000	-70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VBD

Before: 14-Sep-2021 18:47 After: 14-Sep-2021 22:34

HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68160	-68140	27.55	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-71600	-71600	7.828	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-73230	-73250	-15.64	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-71670	-71670	-0.7188	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-69470	-69450	17.23	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-69930	-69910	16.70	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	68080	68090	18.96	2100	UV
HRLT Bridle#9-M0 Voltage - 7	0	N/A	-70000	-70000	0	2100	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT ISO

Before: 14-Sep-2021 18:47 After: 14-Sep-2021 22:34

HRLT Source Current Plus – 0	0	N/A	284.2	284.2	-0.005280	8.520	UA
HRLT Source Current Plus – 1	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus – 2	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus – 3	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus – 4	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus – 5	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus – 6	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus – 7	0	N/A	281.1	281.1	0	8.520	UA

High Resolution Laterolog Array – B Wellsite Calibration – HRLT MV

Before: 14-Sep-2021 18:47 After: 14-Sep-2021 22:34

HRLT Vertical Voltage PI – 0	0	N/A	-320.8	-320.3	0.4817	9.681	UV
HRLT Vertical Voltage PI – 1	0	N/A	-325.3	-325.0	0.2837	9.681	UV
HRLT Vertical Voltage PI – 2	0	N/A	-331.1	-330.8	0.3292	9.681	UV
HRLT Vertical Voltage PI – 3	0	N/A	-320.6	-320.2	0.3799	9.681	UV
HRLT Vertical Voltage PI – 4	0	N/A	-309.2	-308.8	0.3884	9.681	UV
HRLT Vertical Voltage PI – 5	0	N/A	-325.8	-325.4	0.4074	9.681	UV
HRLT Vertical Voltage PI – 6	0	N/A	327.2	326.9	-0.2790	9.681	UV
HRLT Vertical Voltage PI – 7	0	N/A	-322.7	-322.7	0	9.681	UV

Hostile Litho–Density Sonde Wellsite Calibration – Background Measurement

Master: Calibration out of date 2-May-2021 7:20 Before: 14-Sep-2021 18:50 After: 14-Sep-2021 22:37

SS Cs Resolution Bkg	9.000	7.698	7.758	7.599	-0.1594	1.800	%
LS Cs Resolution Bkg	9.000	7.989	8.002	8.024	0.02226	1.800	%
LSW1 Background	100.0	71.96	70.11	68.63	-1.484	3.000	CPS
LSW2 Background	100.0	65.02	64.73	63.85	-0.8731	3.000	CPS
LSW3 Background	200.0	146.1	145.1	144.5	-0.6333	6.000	CPS
LSW4 Background	250.0	183.2	181.9	179.2	-2.707	7.500	CPS
LSW5 Background	600.0	424.9	418.4	421.1	2.726	18.00	CPS
SSW1 Background	100.0	68.97	68.88	67.84	-1.041	3.000	CPS
SSW2 Background	200.0	118.2	117.4	117.6	0.1385	6.000	CPS
SSW3 Background	500.0	331.3	328.6	327.9	-0.6940	15.00	CPS
SSW4 Background	270.0	178.4	177.6	177.7	0.07129	8.100	CPS
SSW5 Background	200.0	127.4	126.3	127.3	0.9480	6.000	CPS

Hostile Litho–Density Sonde Wellsite Calibration – Aluminum Measurement

Master: Calibration out of date 2-May-2021 7:46

LSW1 Aluminum	600.0	437.4	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	651.2	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	787.2	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	396.8	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	364.1	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	2070	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	5832	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	8191	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	3322	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	384.2	N/A	N/A	N/A	N/A	CPS

Hostile Litho–Density Sonde Wellsite Calibration – Lithology Measurement

Master: Calibration out of date 2-May-2021 7:41

LSW1 Iron	400.0	298.6	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	524.2	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	699.6	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	360.1	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	333.9	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1520	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	4870	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	7479	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	3030	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	343.3	N/A	N/A	N/A	N/A	CPS

Hostile Litho–Density Sonde Wellsite Calibration – Caliper Calibration

Before: Calibration out of date 2-May-2021 8:12

HLDS Caliper Small Ring	12.00	N/A	16.10	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.19	N/A	20.13	N/A	N/A	N/A	IN

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check

Master: Calibration out of date 2-May-2021 10:04 Before: 14-Sep-2021 18:50 After: 14-Sep-2021 22:38

Na 511 Peak Loc	40.00	39.25	39.45	39.63	0.1818	1.000	
Na 511 Peak Res	15.50	16.53	16.75	15.84	-0.9083	2.000	%
High Voltage	1150	1197	1171	1173	1.727	N/A	V
Na 1785 Peak Loc	142.6	141.8	142.8	142.7	-0.1399	7.000	
Na 1785 Peak Res	8.500	8.905	8.912	8.480	-0.4322	2.000	%
Temperature	15.50	26.59	13.02	13.00	-0.02270	N/A	DEGC
Na Count Rate	45.00	12.01	10.20	10.37	0.1789	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: Calibration out of date 2-May-2021 10:04 Before: 14-Sep-2021 18:50 After: 14-Sep-2021 22:38

Na 511 Peak Loc	40.00	39.88	39.58	39.56	-0.02211	1.000	
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Na 511 Peak Loc	46.88	46.88	46.88	46.88	0.0221	1.000	%
Na 511 Peak Res	15.50	15.29	16.14	15.93	-0.2089	2.000	V
High Voltage	1150	1122	1097	1095	-2.425	N/A	V
Na 1785 Peak Loc	142.6	142.6	142.9	139.6	-3.287	7.000	
Na 1785 Peak Res	8.500	8.040	9.365	9.609	0.2438	2.000	%
Temperature	15.50	27.21	13.58	14.41	0.8287	N/A	DEGC
Na Count Rate	45.00	12.32	10.33	10.83	0.4979	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2

Master: Calibration out of date 2-May-2021 10:04 Before: 14-Sep-2021 18:50 After: 14-Sep-2021 22:38

Coincidence Count Rate Ratio	1.000	0.9728	0.9925	0.9572	-0.03536	0.05000
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High Resolution Laterolog Array – B / Equipment Identification

Primary Equipment:			
HRLT Sonde	HRLS – B	768	
Auxiliary Equipment:			
HRLT lower Housing	HRLH – B	1869	
HRLT Lower Cartridge	HRLC – B	1897	
HRLT upper Housing	HRUH – B	975	
HRLT Upper Cartridge	HRUC – B	964	

High Resolution Laterolog Array – B Wellsite Calibration

HRLT M01

Idx	Phase	HRLT M0-M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-318.8	-322.7	-280.7	-379.7
	After		-318.7			
1	Before		-330.2	-322.7	-280.7	-379.7
	After		-330.3			
2	Before		-337.3	-322.7	-280.7	-379.7
	After		-337.4			
3	Before		-328.5	-322.7	-280.7	-379.7
	After		-328.4			
4	Before		-319.9	-322.7	-280.7	-379.7
	After		-319.8			
5	Before		-321.7	-322.7	-280.7	-379.7
	After		-321.6			
6	Before		319.3	322.7	379.7	280.7
	After		319.3			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
		(Minimum) (Nominal) (Maximum)				

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High Resolution Laterolog Array – B Wellsite Calibration

HRLT M12

Idx	Phase	HRLT M1-M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1739	1781	2095	1549
	After		1739			
1	Before		1809	1781	2095	1549
	After		1809			
2	Before		1841	1781	2095	1549
	After		1841			

Idx	Phase	HRLT M2-M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
3	Before		1791	1781	2095	1549
	After		1791			
4	Before		1743	1781	2095	1549
	After		1742			
5	Before		1753	1781	2095	1549
	After		1753			
6	Before		-1758	-1781	-1549	-2095
	After		-1758			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						

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High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2-M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1732	1781	2095	1549
	After		1731			
1	Before		1812	1781	2095	1549
	After		1812			
2	Before		1846	1781	2095	1549
	After		1845			
3	Before		1799	1781	2095	1549
	After		1798			
4	Before		1745	1781	2095	1549
	After		1744			
5	Before		1757	1781	2095	1549
	After		1756			
6	Before		-1750	-1781	-1549	-2095
	After		-1749			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						

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High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V34						
Idx	Phase	HRLT A3-A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68630	70000	82360	60900
	After		68620			
1	Before		71630	70000	82360	60900
	After		71660			
2	Before		73270	70000	82360	60900
	After		73270			
3	Before		71670	70000	82360	60900
	After		71680			

4	Before		69480	70000	82360	60900
	After		69480			
5	Before		69950	70000	82360	60900
	After		69940			
6	Before		-68170	-70000	-60900	-82360
	After		-68200			
7	Before		70000	70000	82360	60900
	After		70000			
(Minimum) (Nominal) (Maximum)						

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High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68720	70000	82360	60900
	After		68710			
1	Before		71850	70000	82360	60900
	After		71870			
2	Before		73450	70000	82360	60900
	After		73450			
3	Before		71800	70000	82360	60900
	After		71830			
4	Before		69580	70000	82360	60900
	After		69580			
5	Before		70040	70000	82360	60900
	After		70040			
6	Before		-68370	-70000	-60900	-82360
	After		-68400			
7	Before		70000	70000	82360	60900
	After		70000			
(Minimum) (Nominal) (Maximum)						

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High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5–A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68570	70000	82360	60900
	After		68560			
1	Before		71680	70000	82360	60900
	After		71730			
2	Before		73280	70000	82360	60900
	After		73320			
3	Before		71670	70000	82360	60900
	After		71690			
4	Before		69450	70000	82360	60900
	After		69440			

5	Before		69900	70000	82360	60900
	After		69900			
6	Before		-68220	-70000	-60900	-82360
	After		-68240			
7	Before		70000	70000	82360	60900
	After		70000			
(Minimum) (Nominal) (Maximum)						

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High Resolution Laterolog Array – B Wellsite Calibration						
HRLT VTP						
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68100	-70000	-60900	-82360
	After		-68090			
1	Before		-71490	-70000	-60900	-82360
	After		-71520			
2	Before		-73130	-70000	-60900	-82360
	After		-73150			
3	Before		-71580	-70000	-60900	-82360
	After		-71610			
4	Before		-69410	-70000	-60900	-82360
	After		-69410			
5	Before		-69870	-70000	-60900	-82360
	After		-69870			
6	Before		67980	70000	82360	60900
	After		68000			
7	Before		-70000	-70000	-60900	-82360
	After		-70000			
(Minimum) (Nominal) (Maximum)						

Before: 14-Sep-2021 18:47
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High Resolution Laterolog Array – B Wellsite Calibration						
HRLT VBD						
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68160	-70000	-60900	-82360
	After		-68140			
1	Before		-71600	-70000	-60900	-82360
	After		-71600			
2	Before		-73230	-70000	-60900	-82360
	After		-73250			
3	Before		-71670	-70000	-60900	-82360
	After		-71670			
4	Before		-69470	-70000	-60900	-82360
	After		-69450			
5	Before		-69930	-70000	-60900	-82360
	After		-69910			

6	Before		68080	70000	82360	60900
	After		68090			
7	Before		-70000	-70000	-60900	-82360
	After		-70000			
			(Minimum)	(Nominal)	(Maximum)	
Before: 14-Sep-2021 18:47						
After: 14-Sep-2021 22:34						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT ISO						
Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
0	Before		284.2	284.0	334.1	247.0
	After		284.2			
1	Before		281.1	281.1	330.7	244.4
	After		281.1			
2	Before		281.1	281.1	330.7	244.4
	After		281.1			
3	Before		281.1	281.1	330.7	244.4
	After		281.1			
4	Before		281.1	281.1	330.7	244.4
	After		281.1			
5	Before		281.1	281.1	330.7	244.4
	After		281.1			
6	Before		281.1	281.1	330.7	244.4
	After		281.1			
7	Before		281.1	281.1	330.7	244.4
	After		281.1			
			(Minimum)	(Nominal)	(Maximum)	
Before: 14-Sep-2021 18:47						
After: 14-Sep-2021 22:34						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.8	-322.7	-280.7	-379.7
	After		-320.3			
1	Before		-325.3	-322.7	-280.7	-379.7
	After		-325.0			
2	Before		-331.1	-322.7	-280.7	-379.7
	After		-330.8			
3	Before		-320.6	-322.7	-280.7	-379.7
	After		-320.2			
4	Before		-309.2	-322.7	-280.7	-379.7
	After		-308.8			
5	Before		-325.8	-322.7	-280.7	-379.7
	After		-325.4			
6	Before		327.2	322.7	379.7	280.7
	After		326.9			

7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
		(Minimum)	(Nominal)	(Maximum)		

Before: 14-Sep-2021 18:47
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Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:		
Gamma Source Radioactive	GSR - ZA	2945
Hostile Litho Density Sonde	HLDS - D	77
Hostile Litho Density High Voltage	HLDV - D	67
Auxiliary Equipment:		
Hostile Litho Density High Voltage Housi	HEH - H	67
Hostile Litho Density Pad	HLDP - C	83

Hostile Litho-Density Sonde Wellsite Calibration

Background Measurement								
Phase	SS Cs Resolution Bkg %	Value	Phase	LS Cs Resolution Bkg %	Value	Phase	LSW1 Background CPS	Value
Master		7.698	Master		7.989	Master		71.96
Before		7.758	Before		8.002	Before		70.11
After		7.599	After		8.024	After		68.63
	7.000 (Minimum) 9.000 (Nominal) 11.000 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.000 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)	
Phase	LSW2 Background CPS	Value	Phase	LSW3 Background CPS	Value	Phase	LSW4 Background CPS	Value
Master		65.02	Master		146.1	Master		183.2
Before		64.73	Before		145.1	Before		181.9
After		63.85	After		144.5	After		179.2
	50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)			140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)	
Phase	LSW5 Background CPS	Value	Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value
Master		424.9	Master		68.97	Master		118.2
Before		418.4	Before		68.88	Before		117.4
After		421.1	After		67.84	After		117.6
	330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)	
Phase	SSW3 Background CPS	Value	Phase	SSW4 Background CPS	Value	Phase	SSW5 Background CPS	Value
Master		331.3	Master		178.4	Master		127.4
Before		328.6	Before		177.6	Before		126.3
After		327.9	After		177.7	After		127.3
	280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)			150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)	

Master: Calibration out of date 2-May-2021 7:20 Before: 14-Sep-2021 18:50 After: 14-Sep-2021 22:37

Litho-Density Spectroscopy Cartridge - B / Equipment Identification

Primary Equipment:		
LDSC Cartridge	LDSC - B	521
Auxiliary Equipment:		
LDSC Housing	LDSH - A	319

Hostile Natural Gamma Ray Cartridge - B / Equipment Identification

Primary Equipment:		
HNGC Cartridge	HNGC - B	304
Auxiliary Equipment:		

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:
HNGS Sonde

HNGS - BA 99

Auxiliary Equipment:
HNGS Sonde Housing
Gamma Source Radioactive

HNSH - BA 102
GSR - U 6098

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.25	Master		16.53	Master		1197
Before		39.45	Before		16.75	Before		1171
After		39.63	After		15.84	After		1173
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		141.8	Master		8.905	Master		26.59
Before		142.8	Before		8.912	Before		13.02
After		142.7	After		8.480	After		13.00
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		12.01						
Before		10.20						
After		10.37						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: Calibration out of date 2-May-2021 10:04 Before: 14-Sep-2021 18:50 After: 14-Sep-2021 22:38

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 2 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.88	Master		15.29	Master		1122
Before		39.58	Before		16.14	Before		1097
After		39.56	After		15.93	After		1095
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		142.6	Master		8.040	Master		27.21
Before		142.9	Before		9.365	Before		13.58
After		139.6	After		9.609	After		14.41
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		12.32						
Before		10.33						
After		10.83						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

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Hostile Natural Gamma Ray Sonde Wellsite Calibration

Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value

