

DISCLAIMER

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OTHER SERVICES1

- OS1: FMS
- OS2: DSI
- OS3: UBI

REMARKS: RUN NUMBER 1

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

Drill pipe set at 1304mbrf (87mbrf).

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 1335mbrf for pipe entry

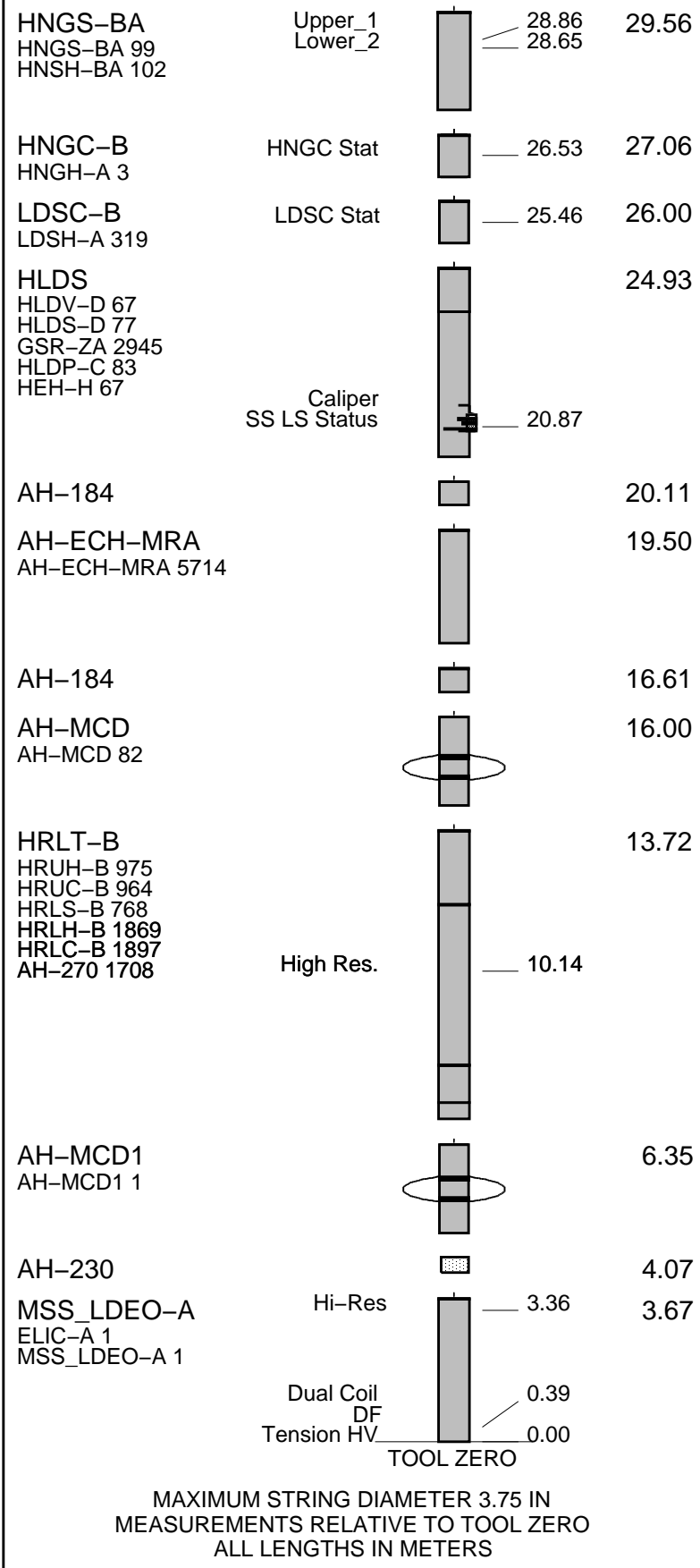
Downlog flipped and note the caliper closed logging down.

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	29.56



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

Kelly Bushing Elevation

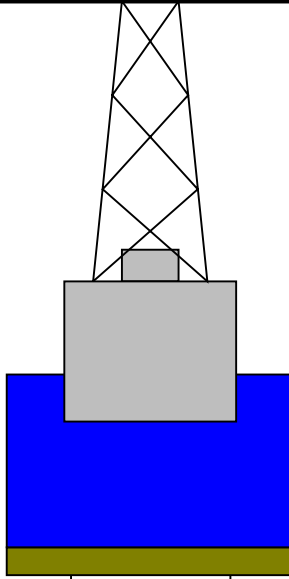
Derrick Floor Elevation

Mean Sea Level

0.0

0.0

11.1



0.0

5.500

4.125

1217.0

9.875

1304.0

5.500

4.125

1464.0

9.875

Sea Floor

Pipe

TD- Driller

Schlumberger

Downlog

MAXIS Field Log

Company: International Ocean Discovery Program

Well: Expedition 396, Site U1571A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_LDL_022PUP	PRODUCER	09-Sep-2021 12:48	1458.5 M	1181.9 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_023PUP	FN:26	PRODUCER	09-Sep-2021 12:49	1458.5 M	1181.9 M
RTB	MSS_LDEO_HRLA_LDL_023PUP	FN:27	PRODUCER	09-Sep-2021 12:49	1458.5 M	1181.9 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 50

Area1
From HCGR to HSGR

HNGS Computed Gamma Ray (HCGR)
(GAPI) 0 50

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

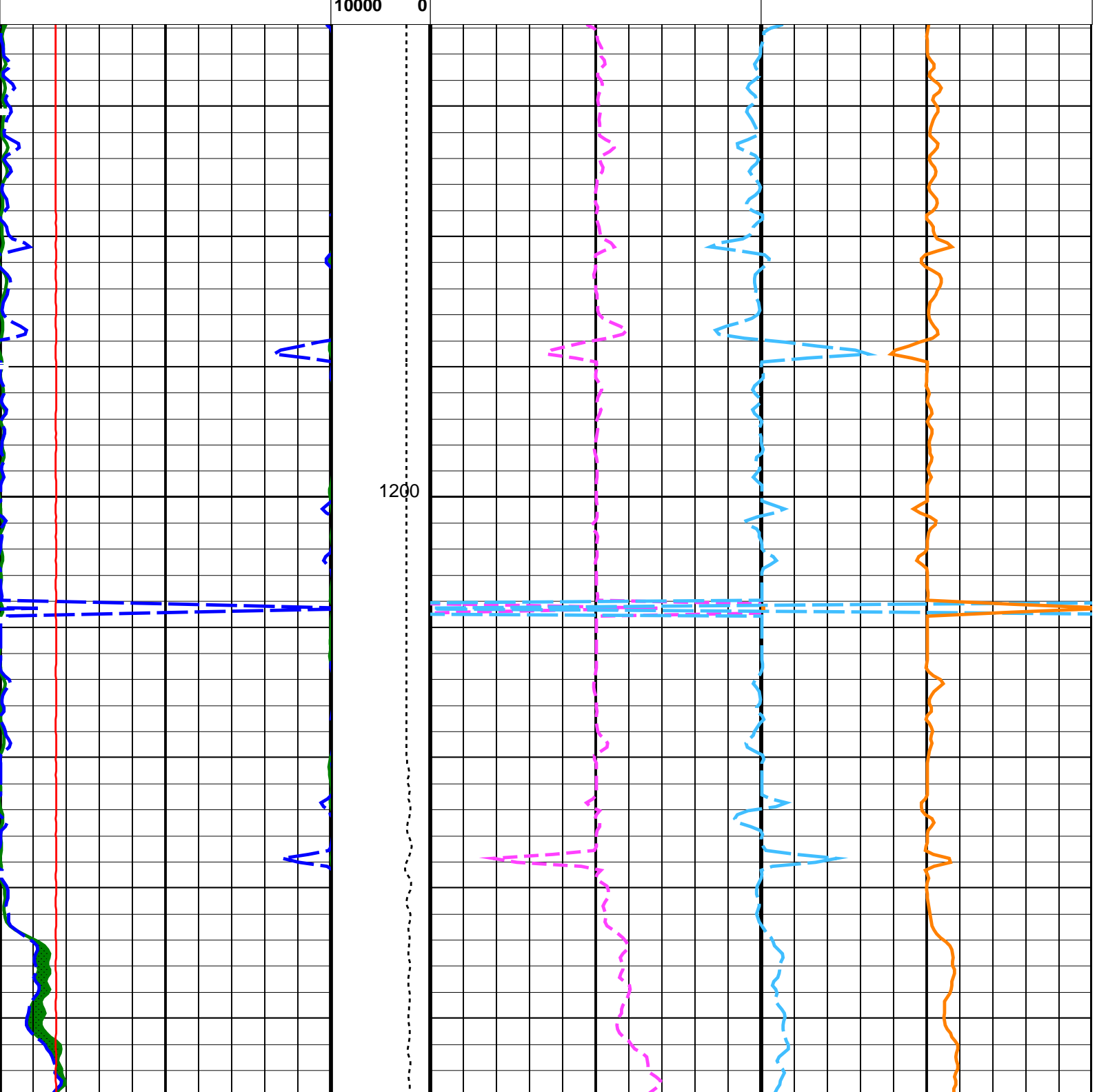
HNGS Uranium (HURA)
(PPM) -5 5

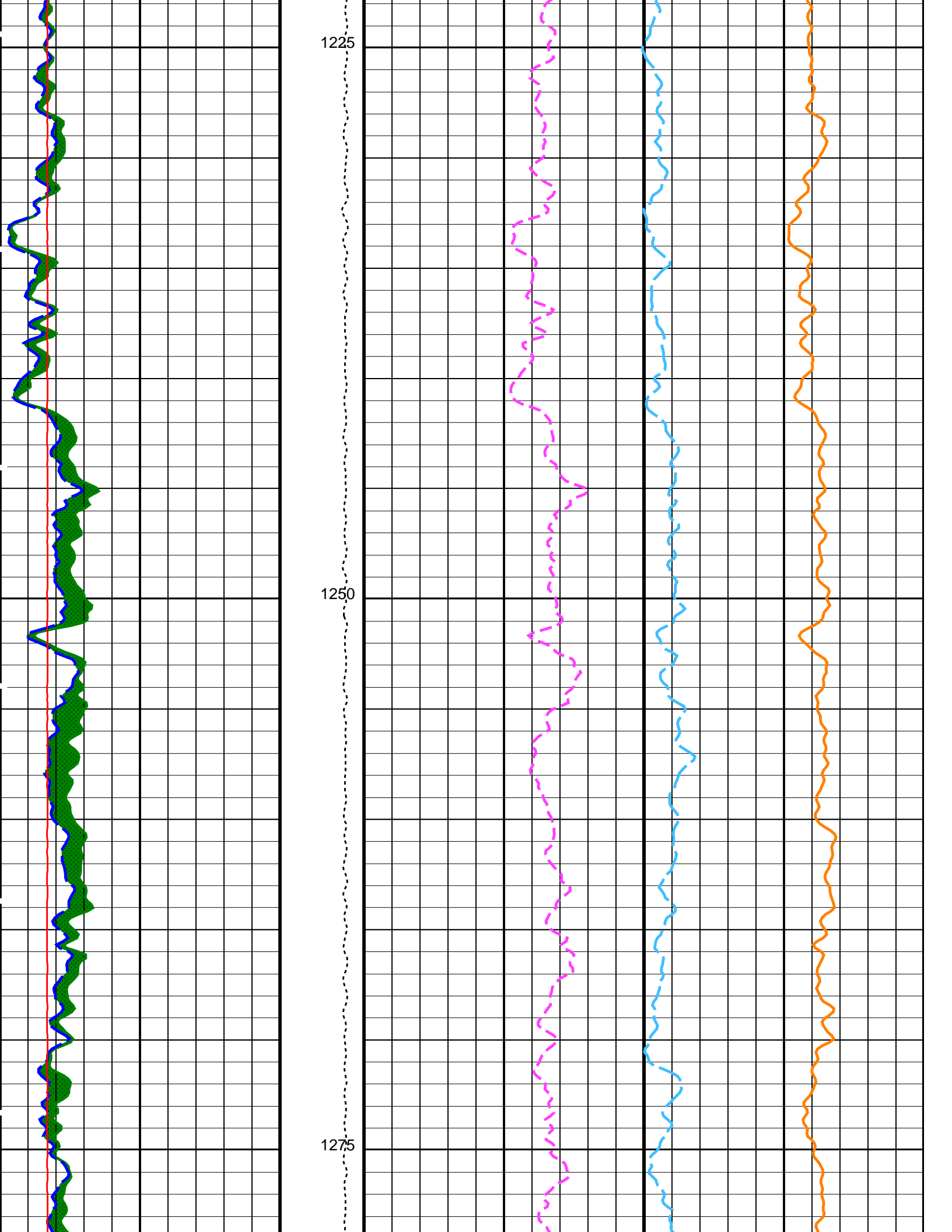
HLDS Caliper (LCAL)
(IN) 0 20

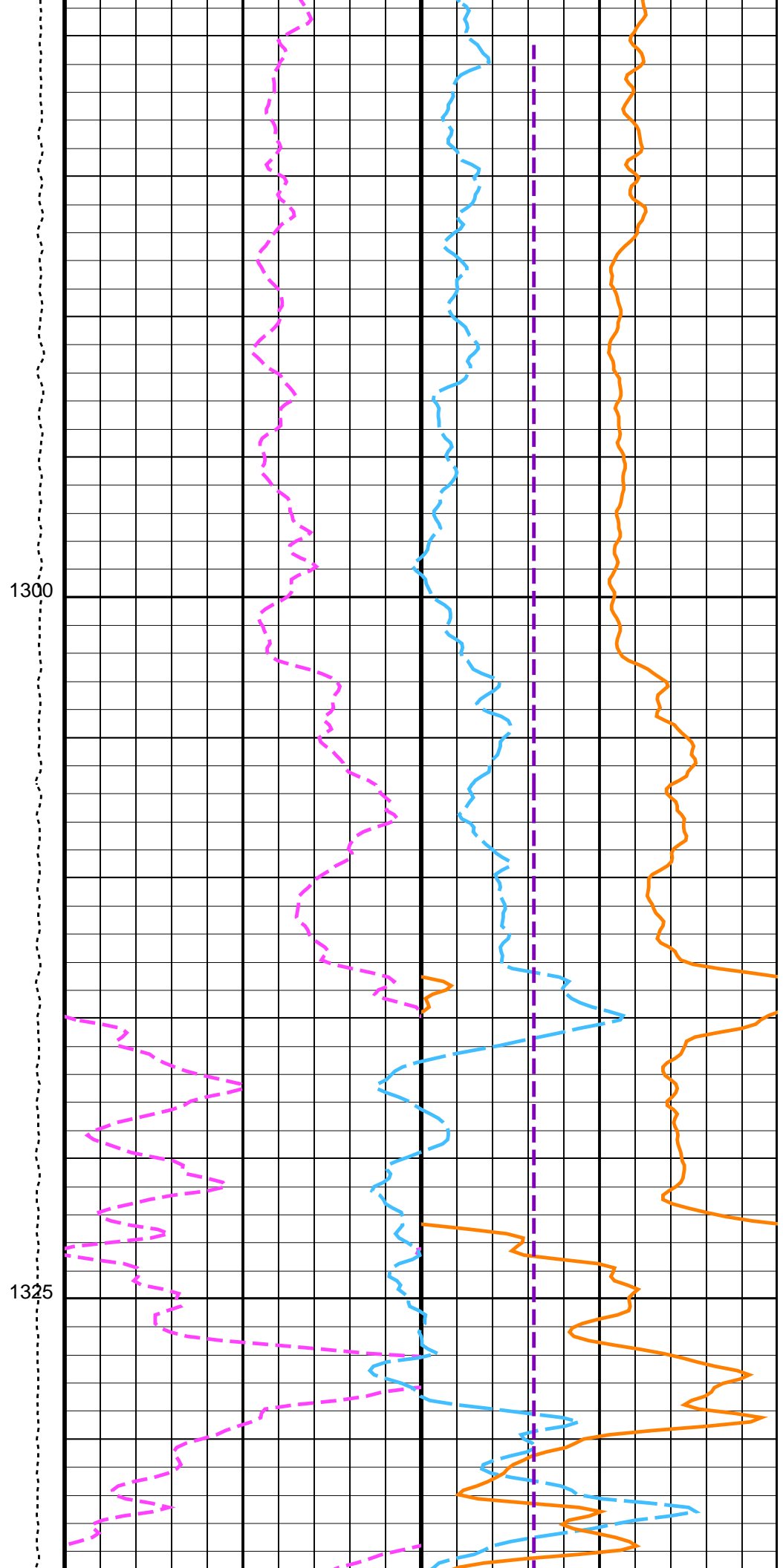
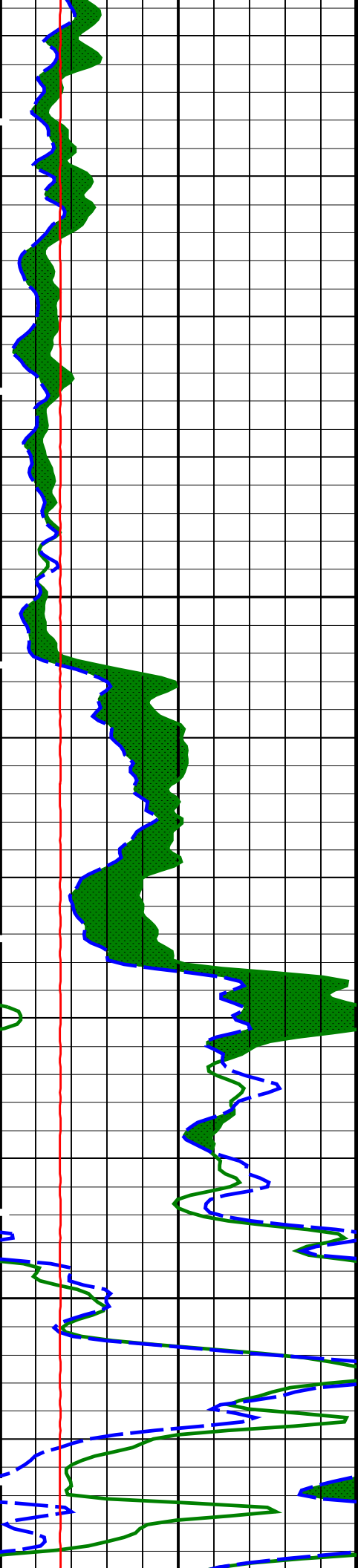
Tension (TENS)
(LBF) 10000 0

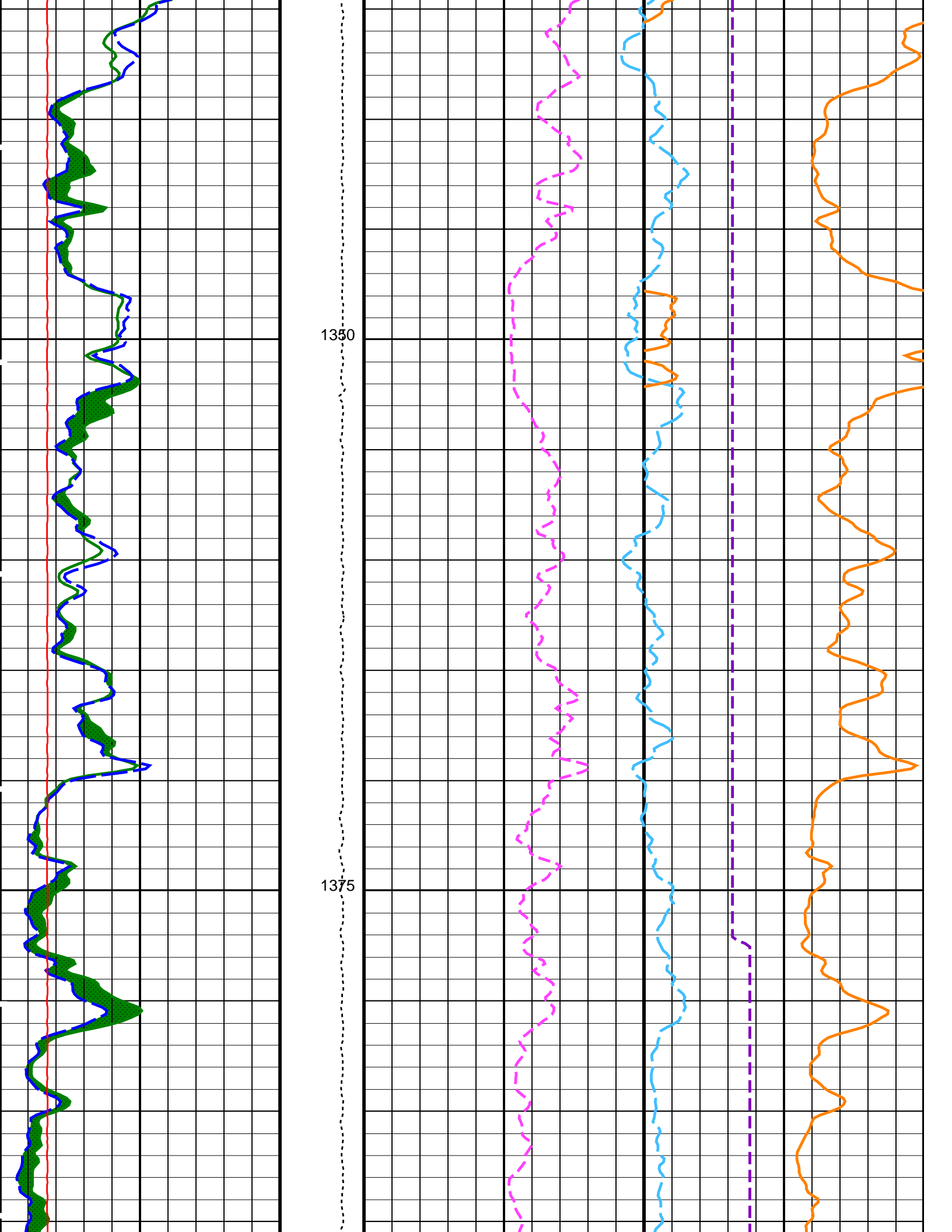
HNGS Thorium (HTHO)
(PPM) -5 5

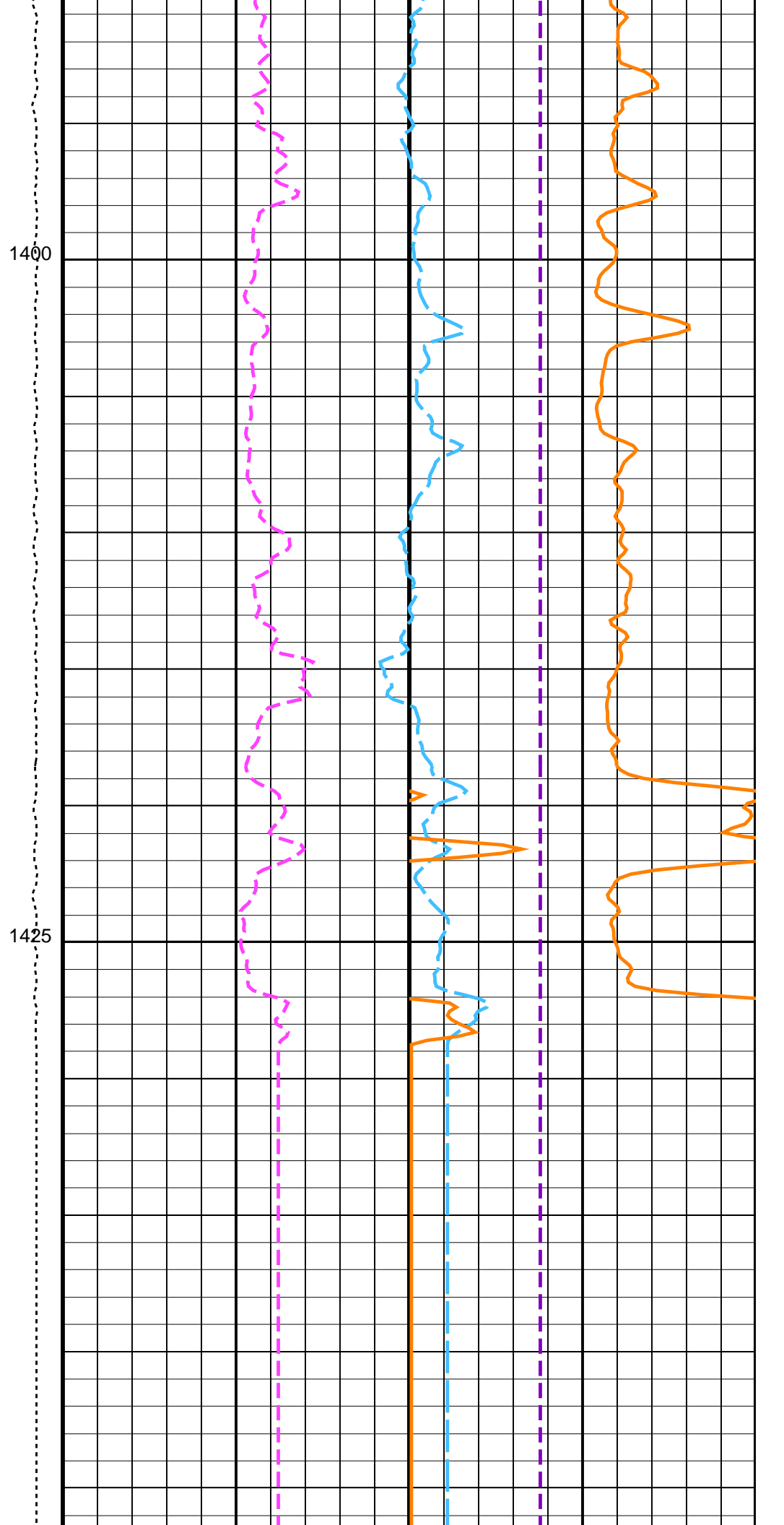
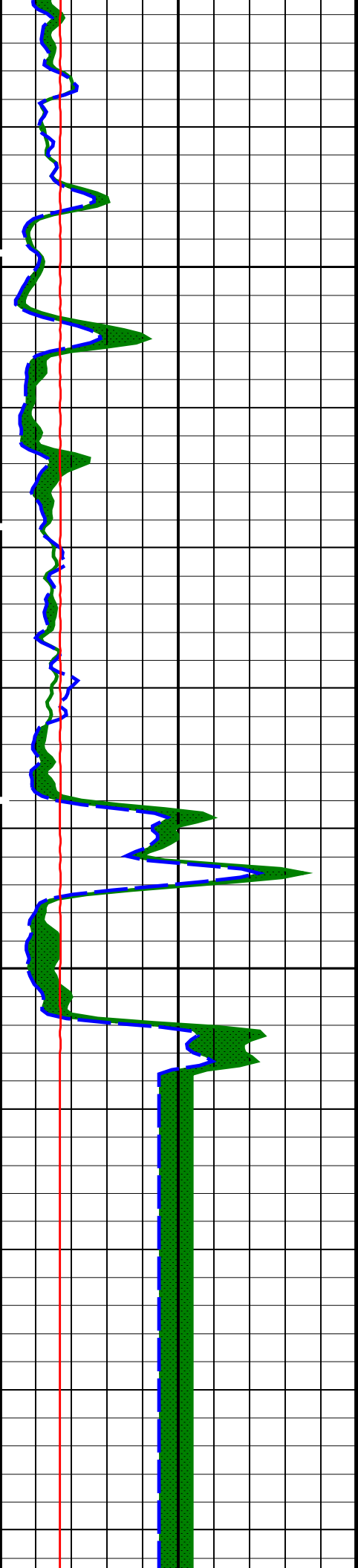
HNGS Potassium (HFK)
(V/V) -0.01 0.01

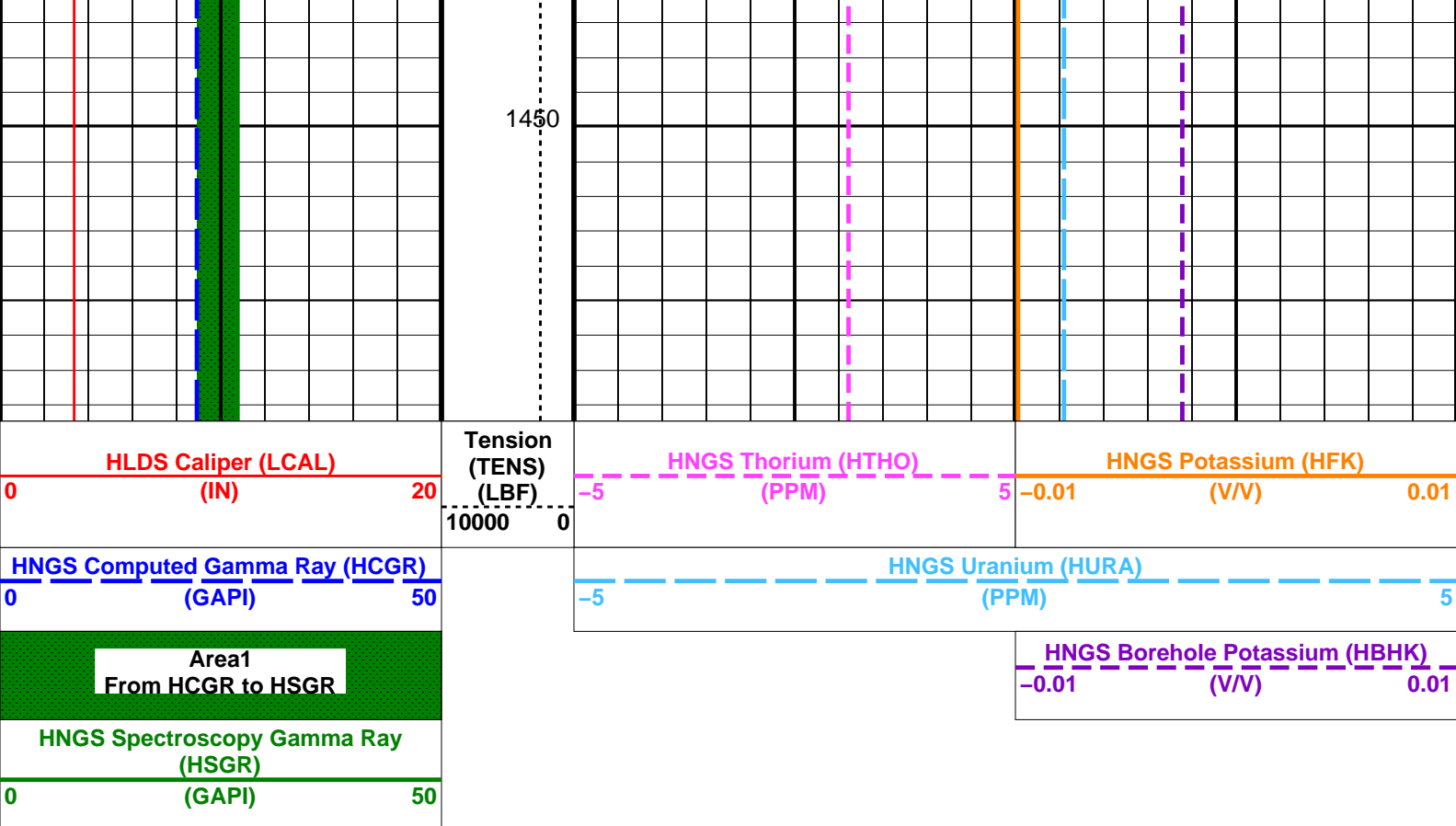












PIP SUMMARY

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	-0.00688793
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	1.02076
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03488
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: 09-Sep-2021 12:49

OP System Version: 19C0-187

MSS_LDEO-A

19C0-187

HRLT-B

19C0-187

HLDS

19C0-187

LDSC-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_022PUP	PRODUCER	09-Sep-2021 12:48	1458.5 M	1181.9 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_023PUP	FN:26	PRODUCER	09-Sep-2021 12:49	
RTB	MSS_LDEO_HRLA_LDL_023PUP	FN:27	PRODUCER	09-Sep-2021 12:49	

Company: International Ocean Discovery Program Well: Expedition 396, Site U1571A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_022PUP	PRODUCER	09-Sep-2021 12:48	1458.5 M	1181.9 M
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Output DLIS Files

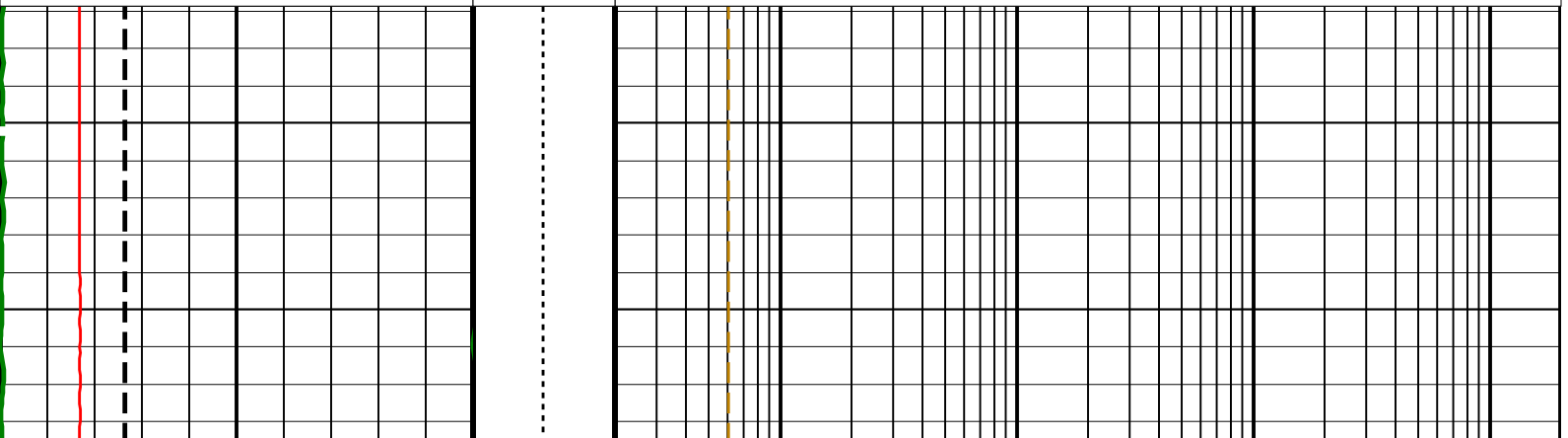
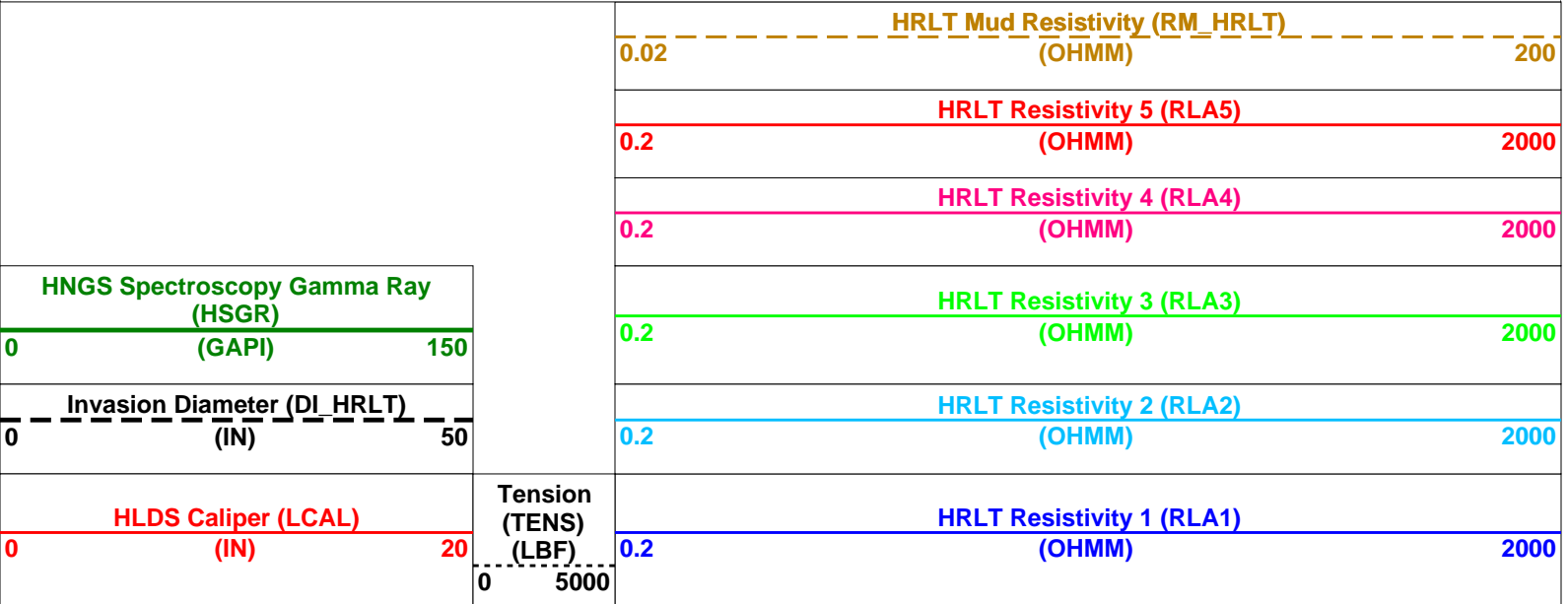
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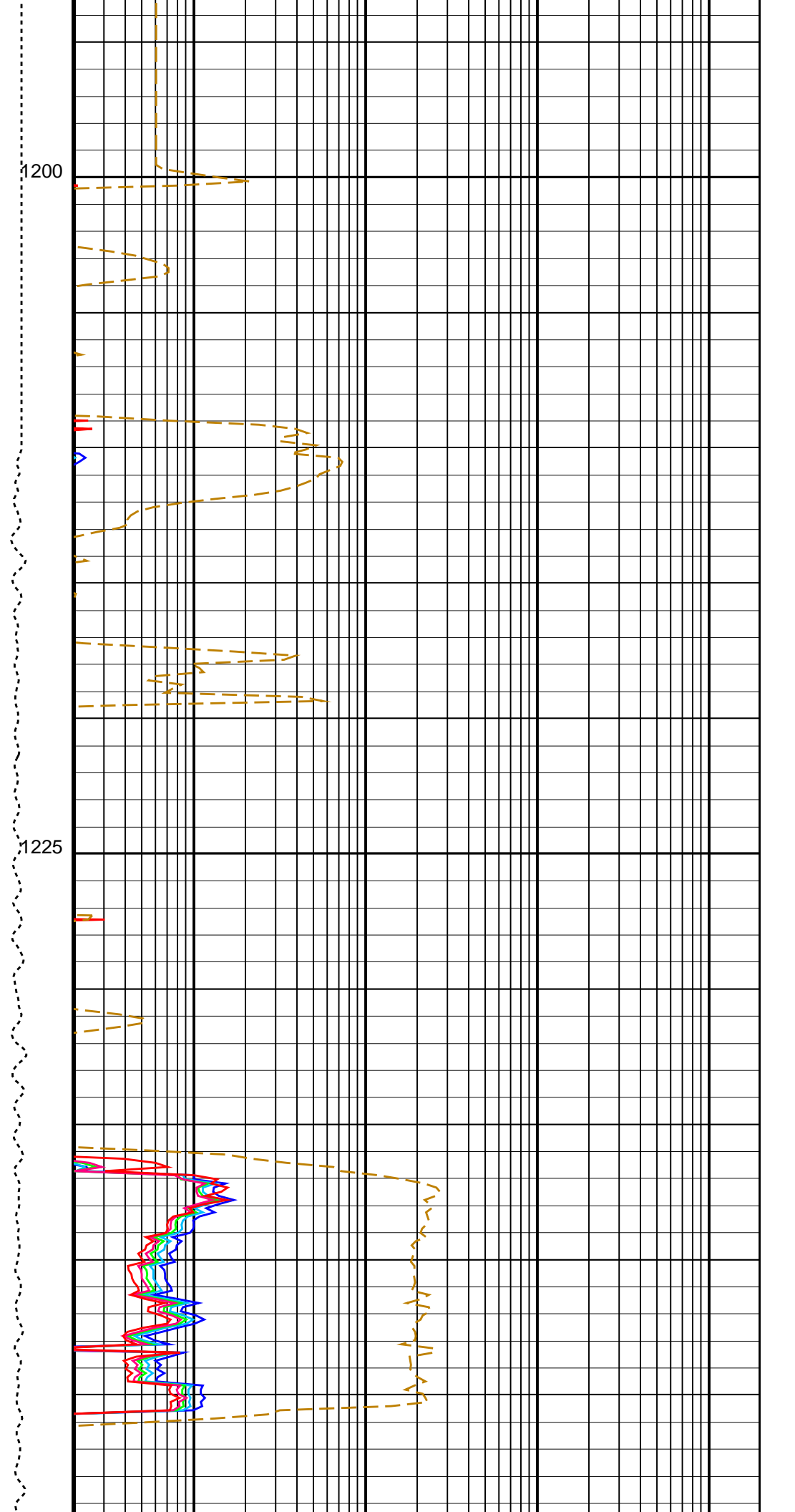
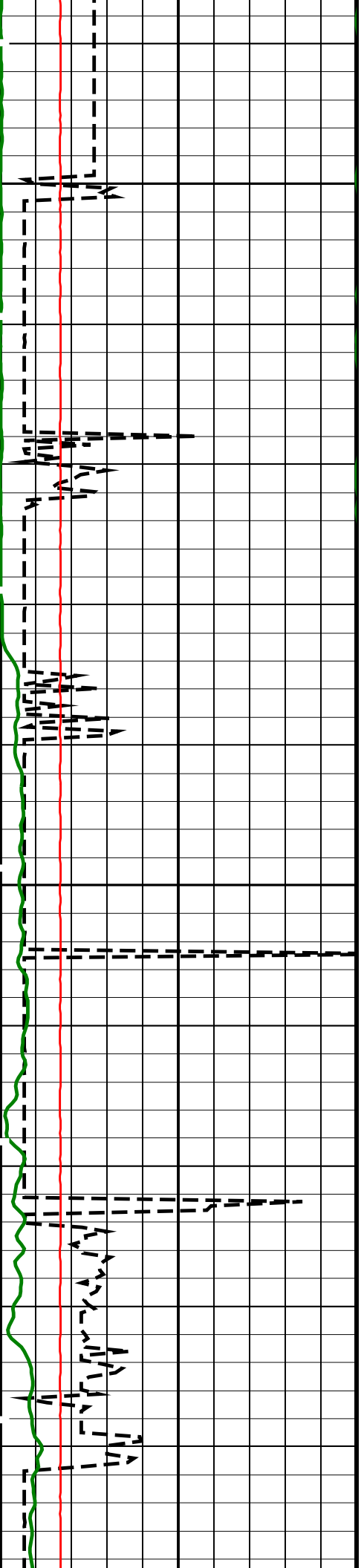
OP System Version: 19C0-187

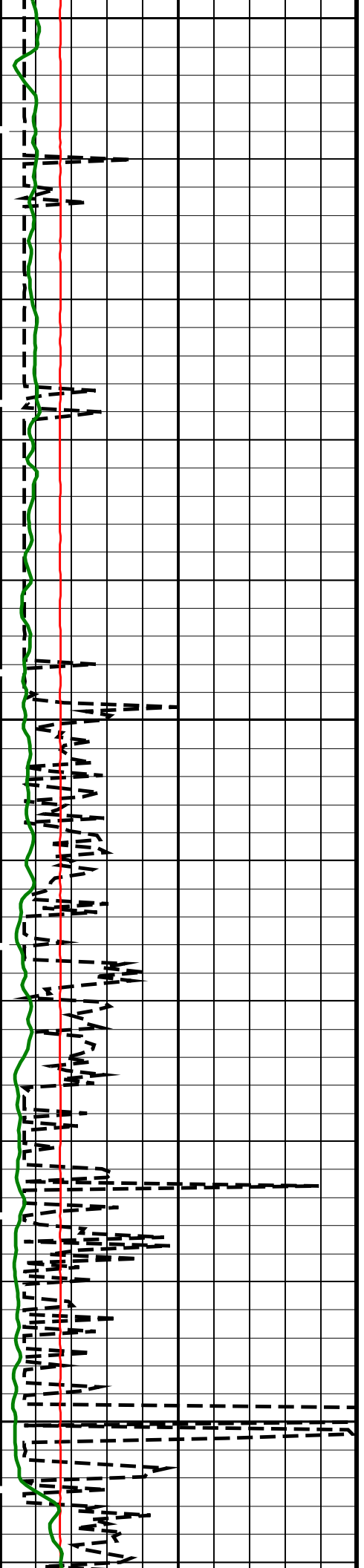
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

PIP SUMMARY

Time Mark Every 60 S



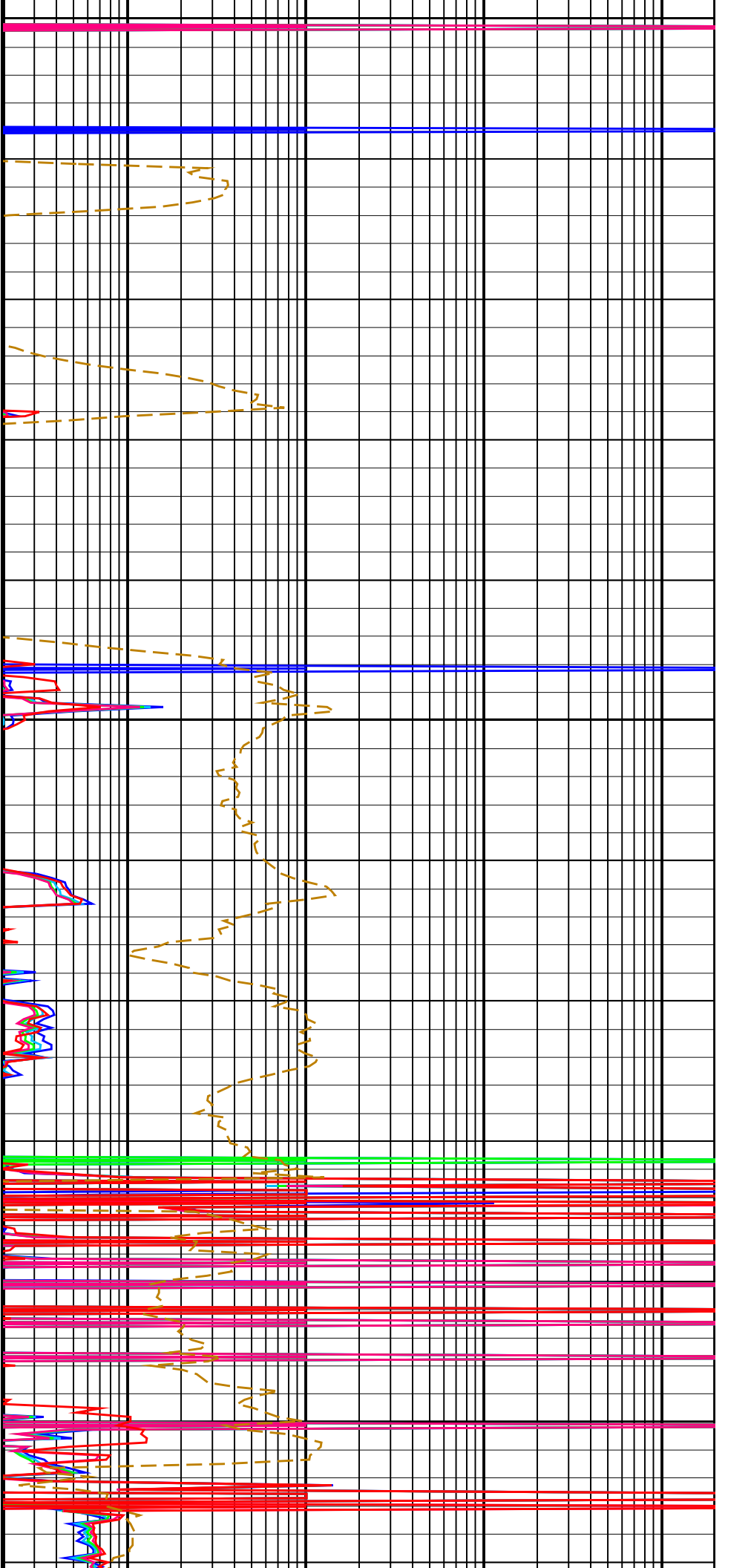


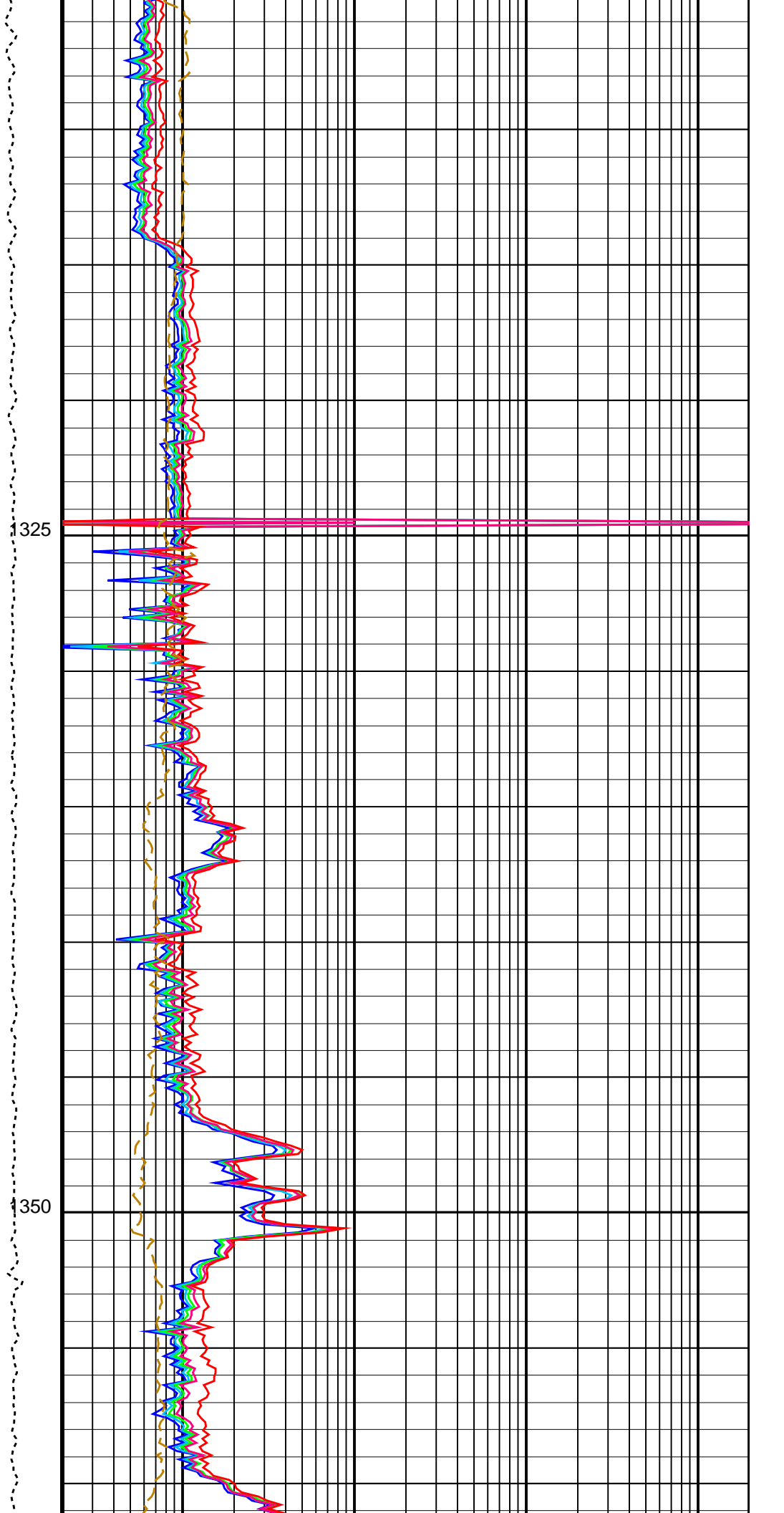
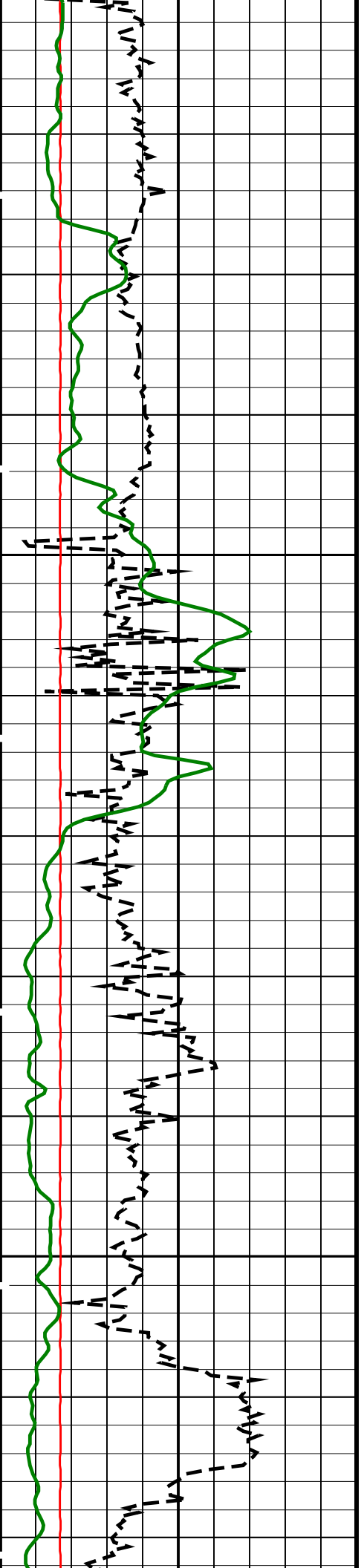


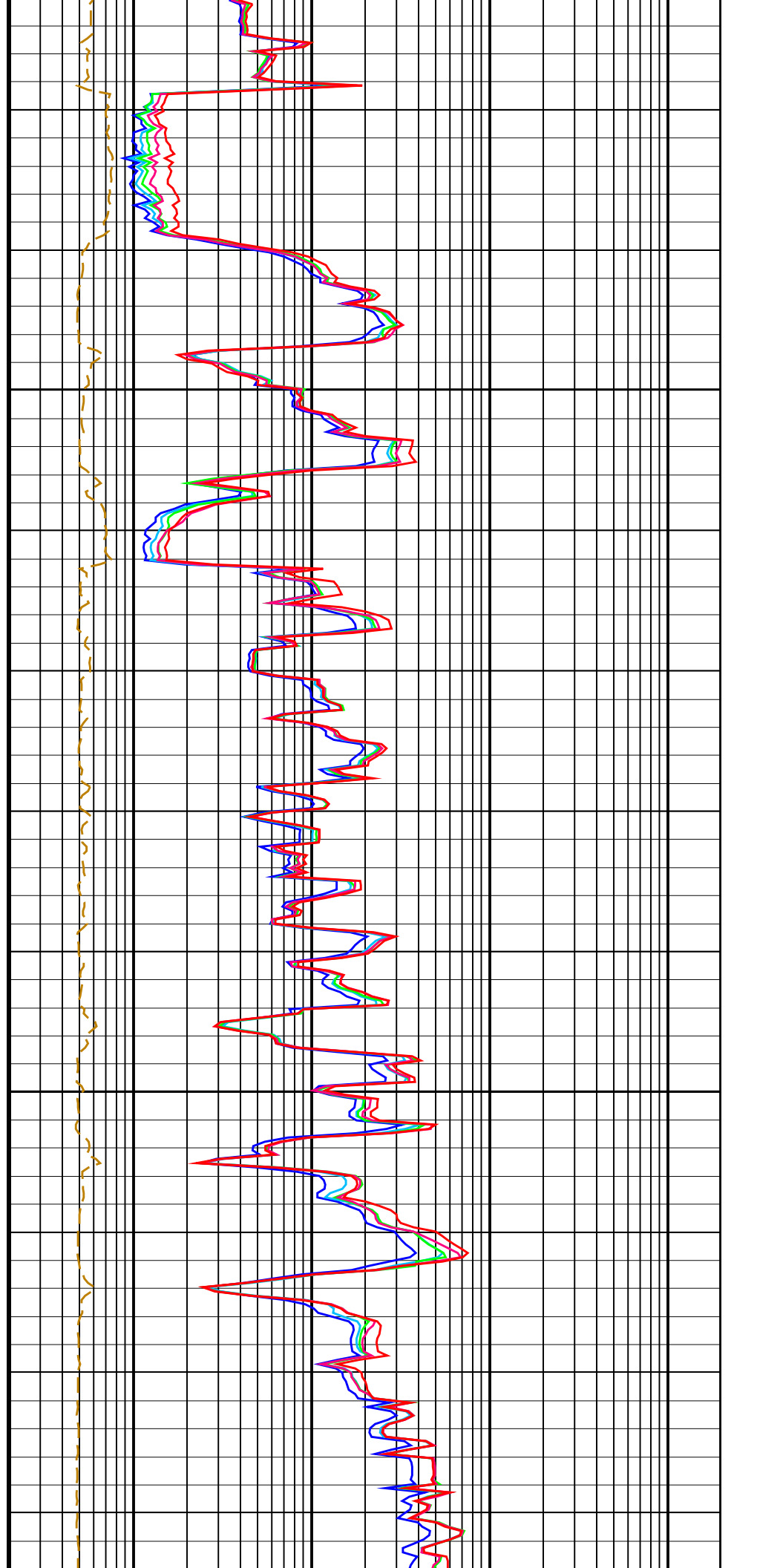
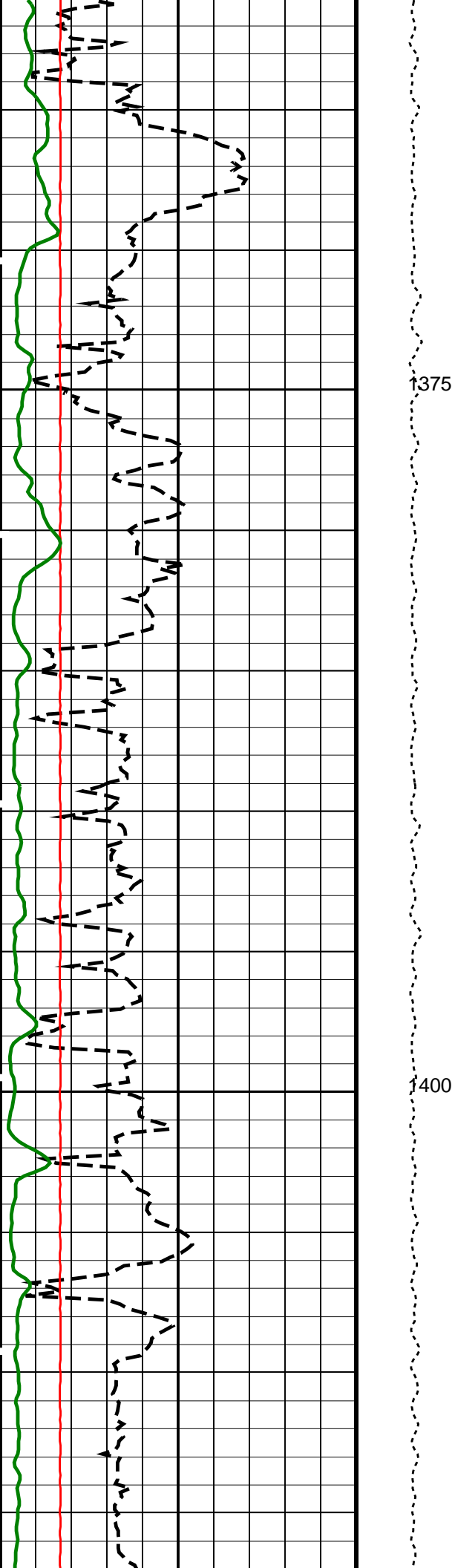
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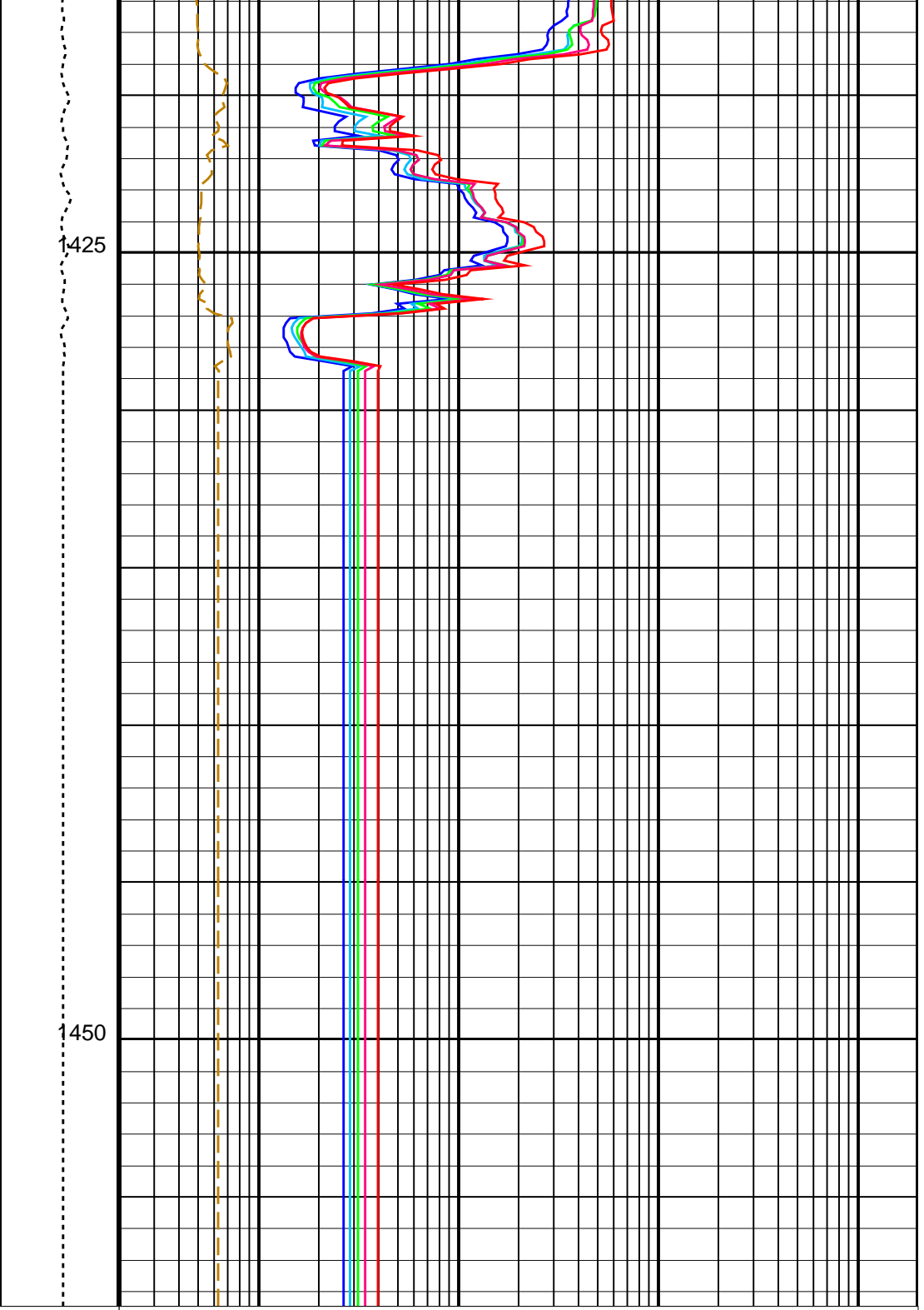
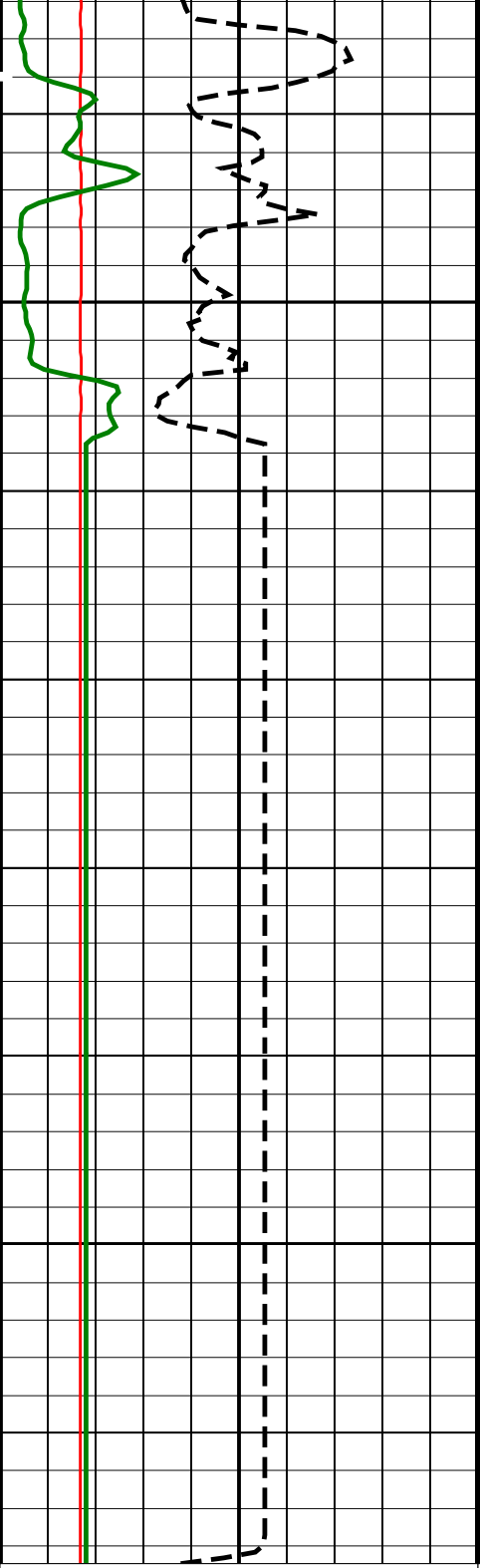
1275

1300









HLDS Caliper (LCAL)	
0	20
(IN)	
Invasion Diameter (DI_HRLT)	
0	50
(IN)	
HNGS Spectroscopy Gamma Ray (HSGR)	
0	150
(GAPI)	

Tension (TENS) (LBF)	HRLT Resistivity 1 (RLA1) (OHMM)
0	2000
5000	
0.2	HRLT Resistivity 2 (RLA2) (OHMM)
	2000
0.2	HRLT Resistivity 3 (RLA3) (OHMM)
	2000
0.2	HRLT Resistivity 4 (RLA4) (OHMM)
	2000
0.2	HRLT Resistivity 5 (RLA5) (OHMM)
	2000

HRLT Mud Resistivity (RM_HRLT)	
0.2	2000

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	
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	-0.00688793	
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	1.02076	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03488	
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
MST	Mud Sample Temperature	23.00	DEGC
PP	Playback Processing	NORMAL	
TD	Total Depth	2292	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 09-Sep-2021 12:49

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_022PUP	PRODUCER	09-Sep-2021 12:48	1458.5 M	1181.9 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_023PUP	FN:26	PRODUCER	09-Sep-2021 12:49
RTB	MSS_LDEO_HRLA_LDL_023PUP	FN:27	PRODUCER	09-Sep-2021 12:49

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_022PUP	PRODUCER	09-Sep-2021 12:48	1458.5 M	1181.9 M
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Output DLIS Files

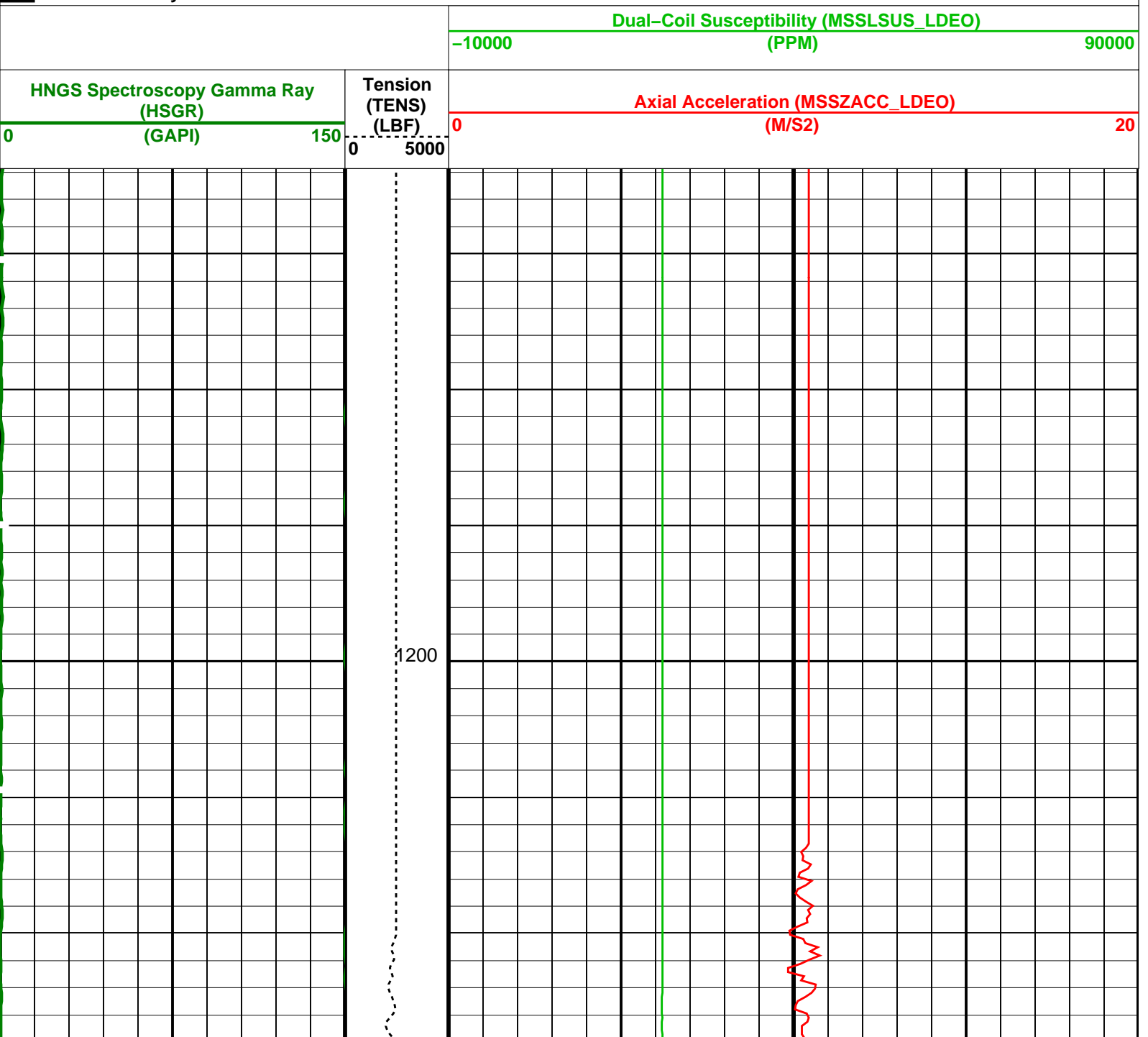
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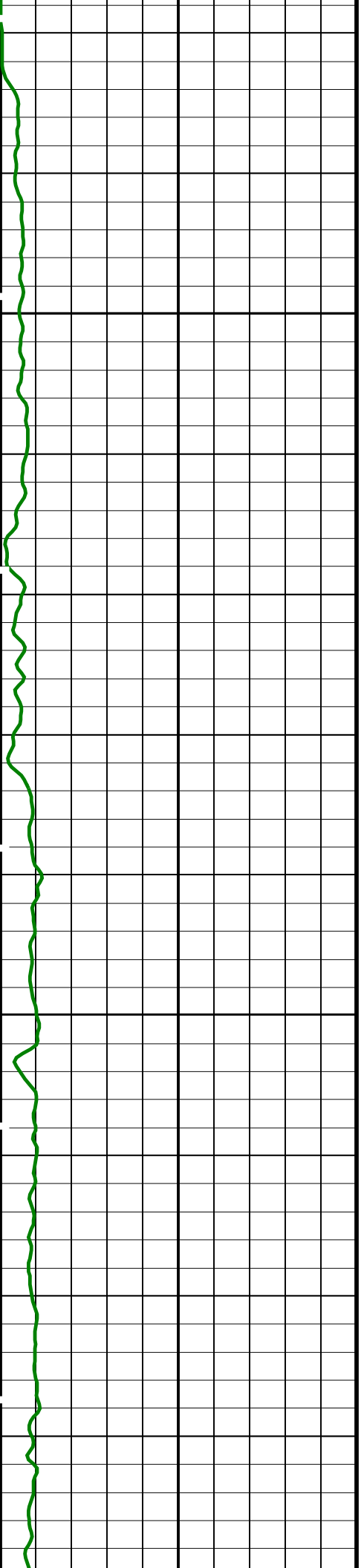
OP System Version: 19C0-187

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		

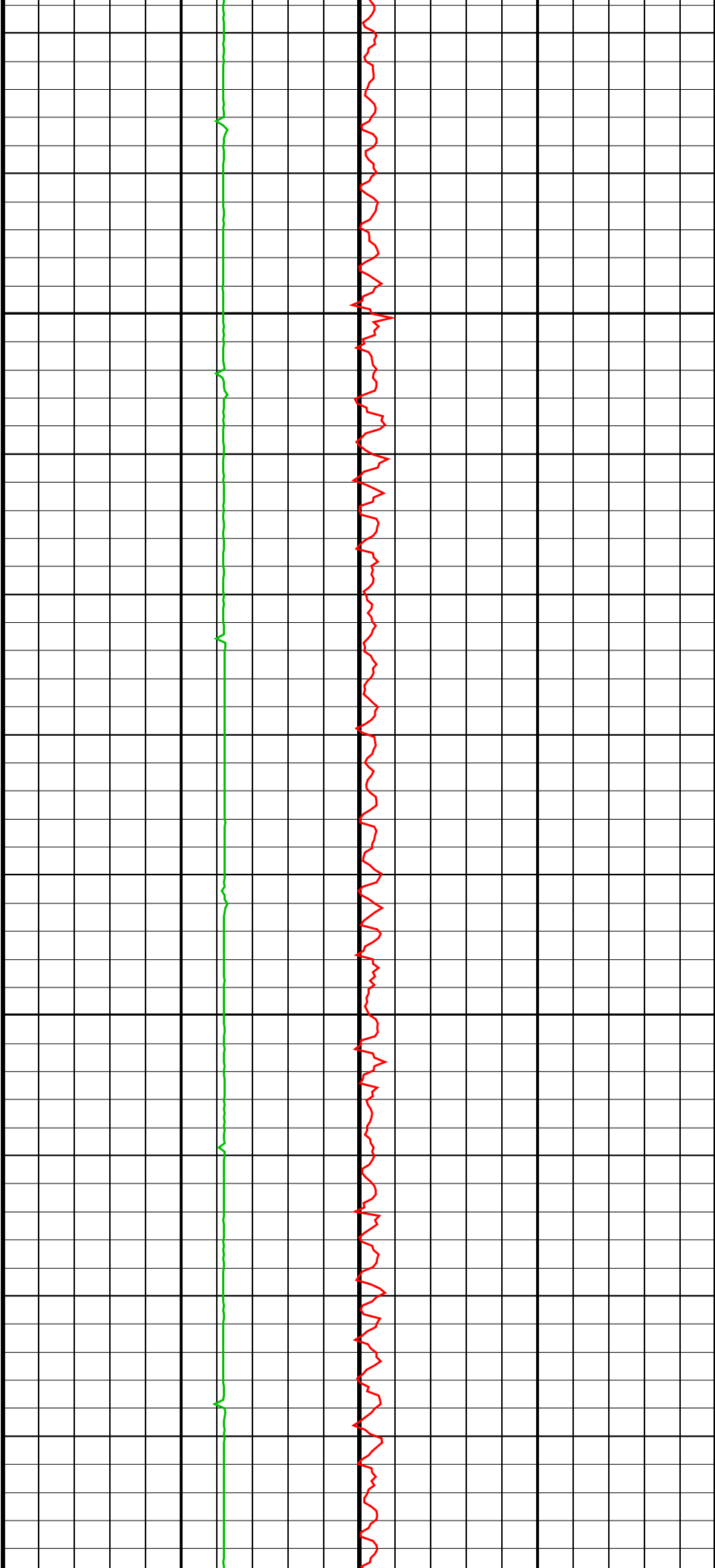
PIP SUMMARY

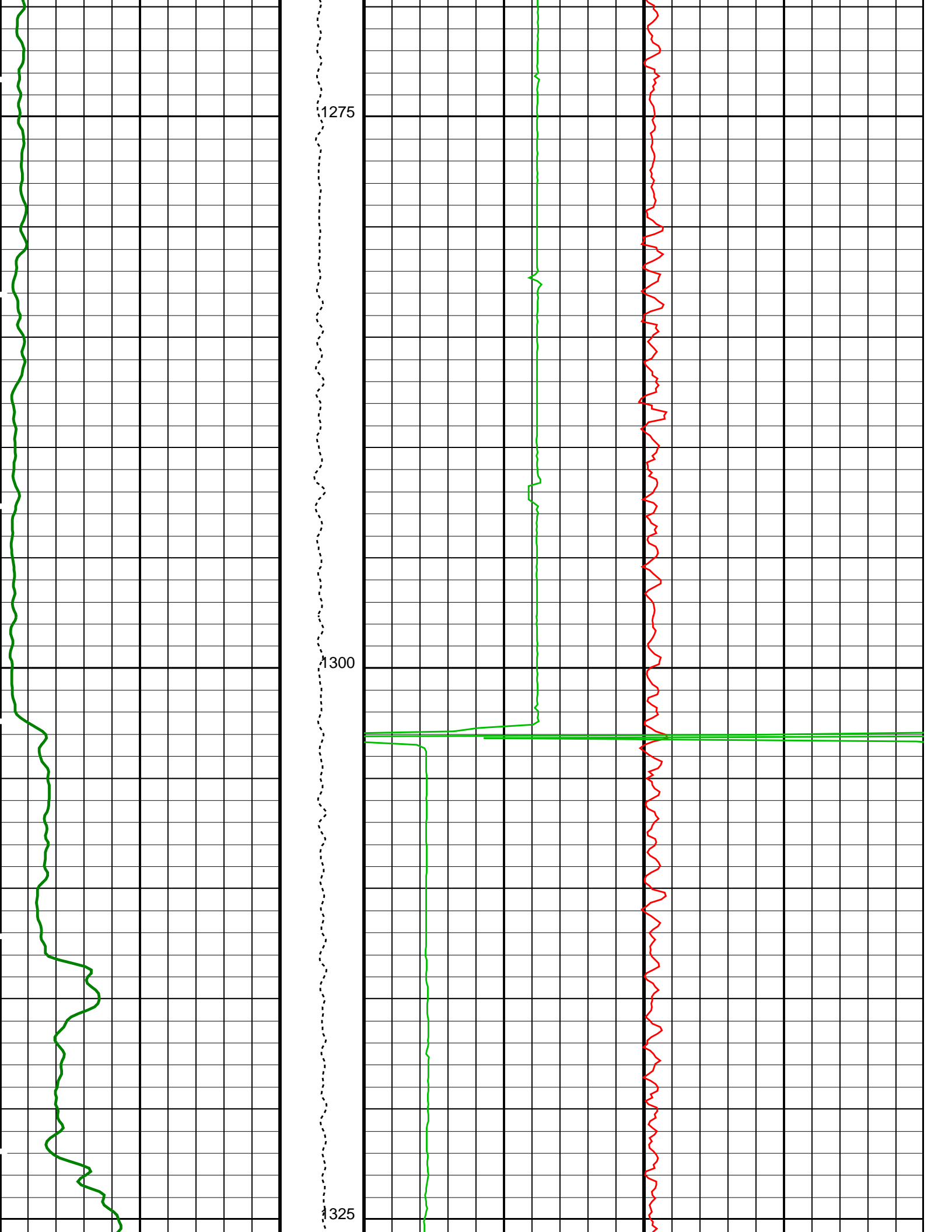
Time Mark Every 60 S

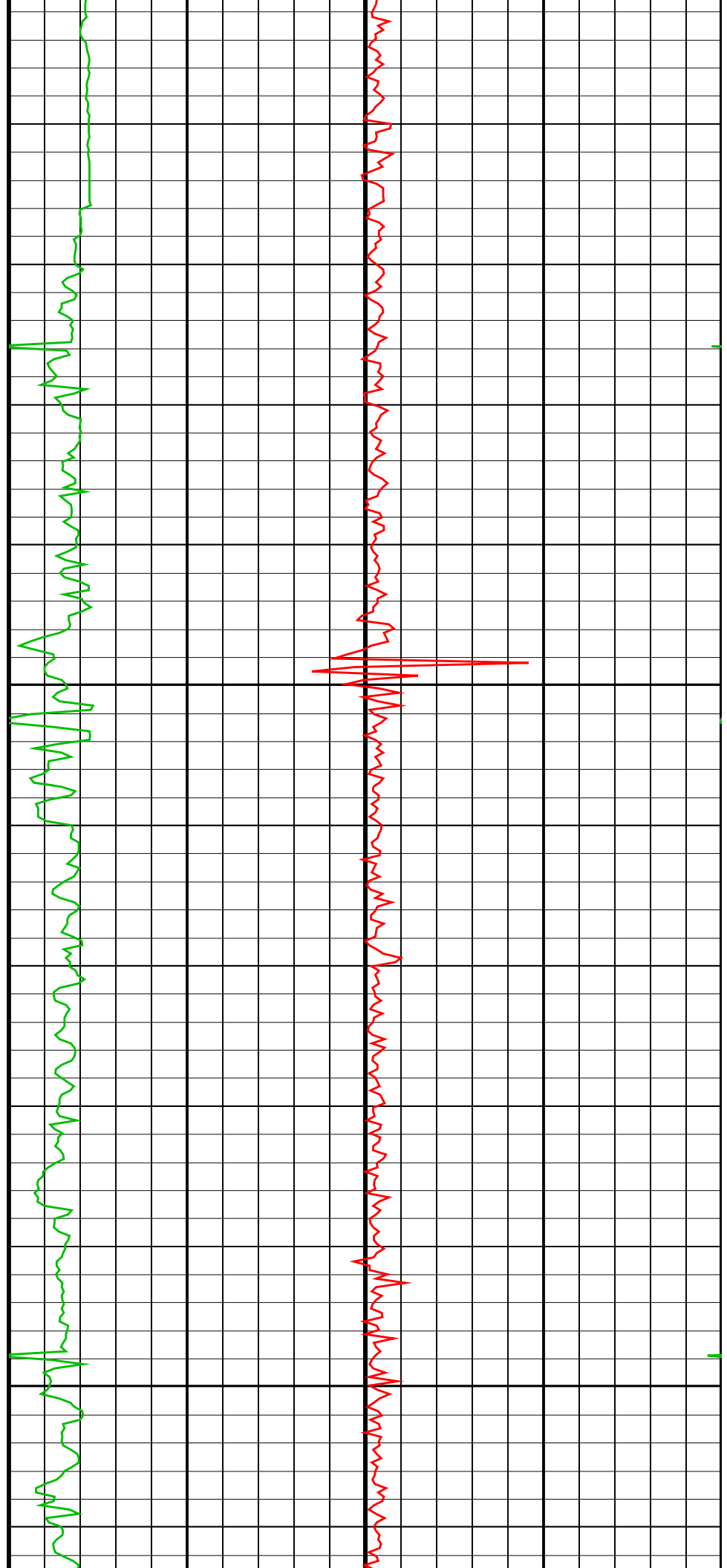
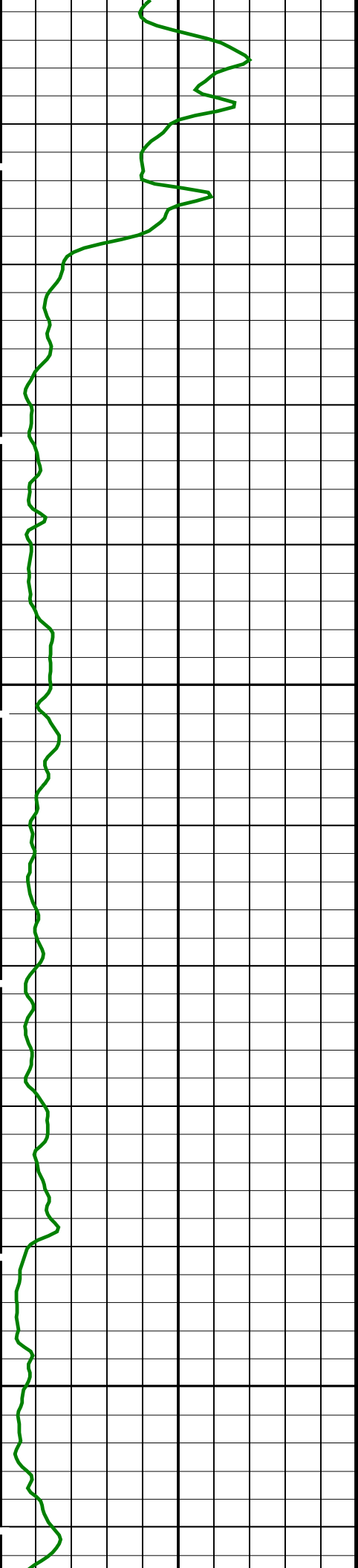


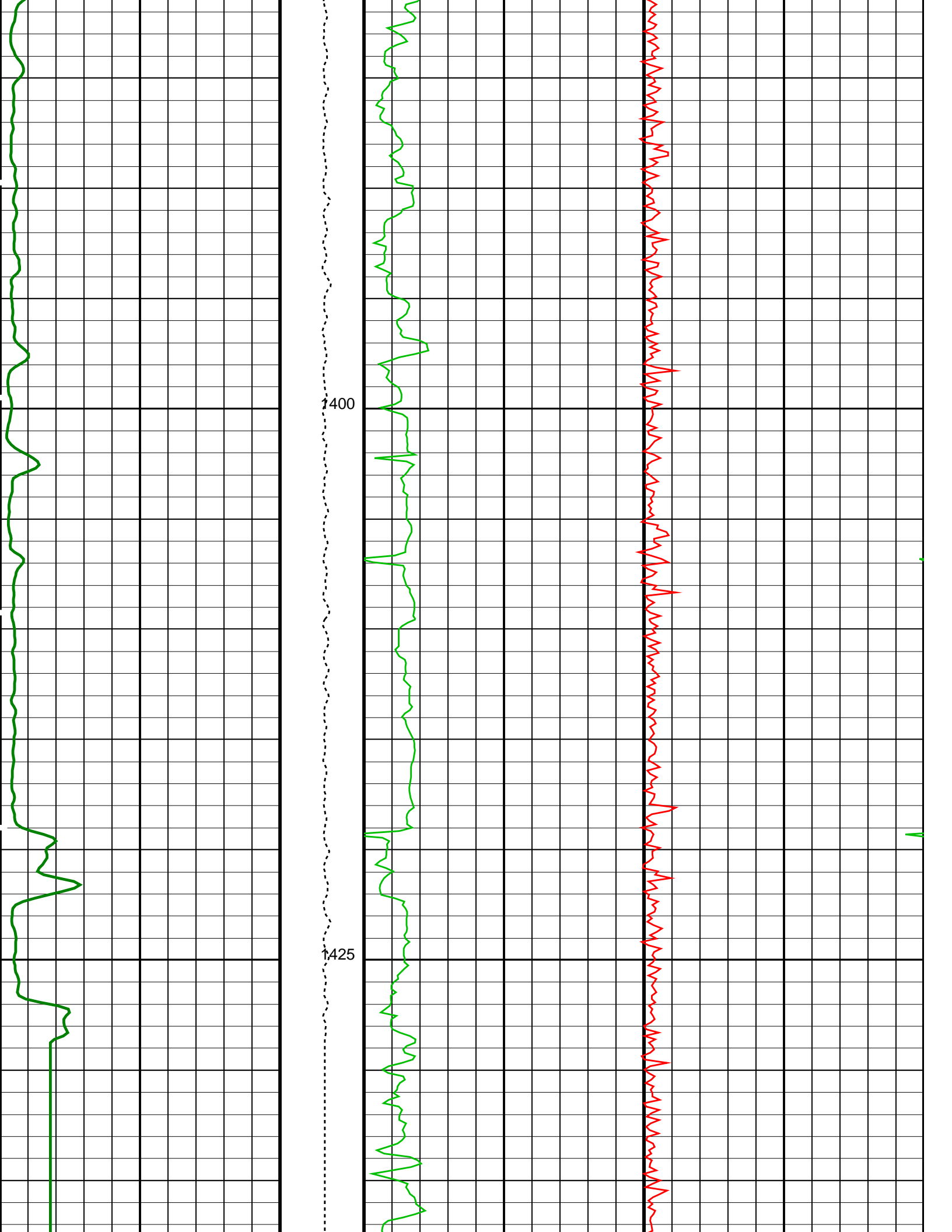


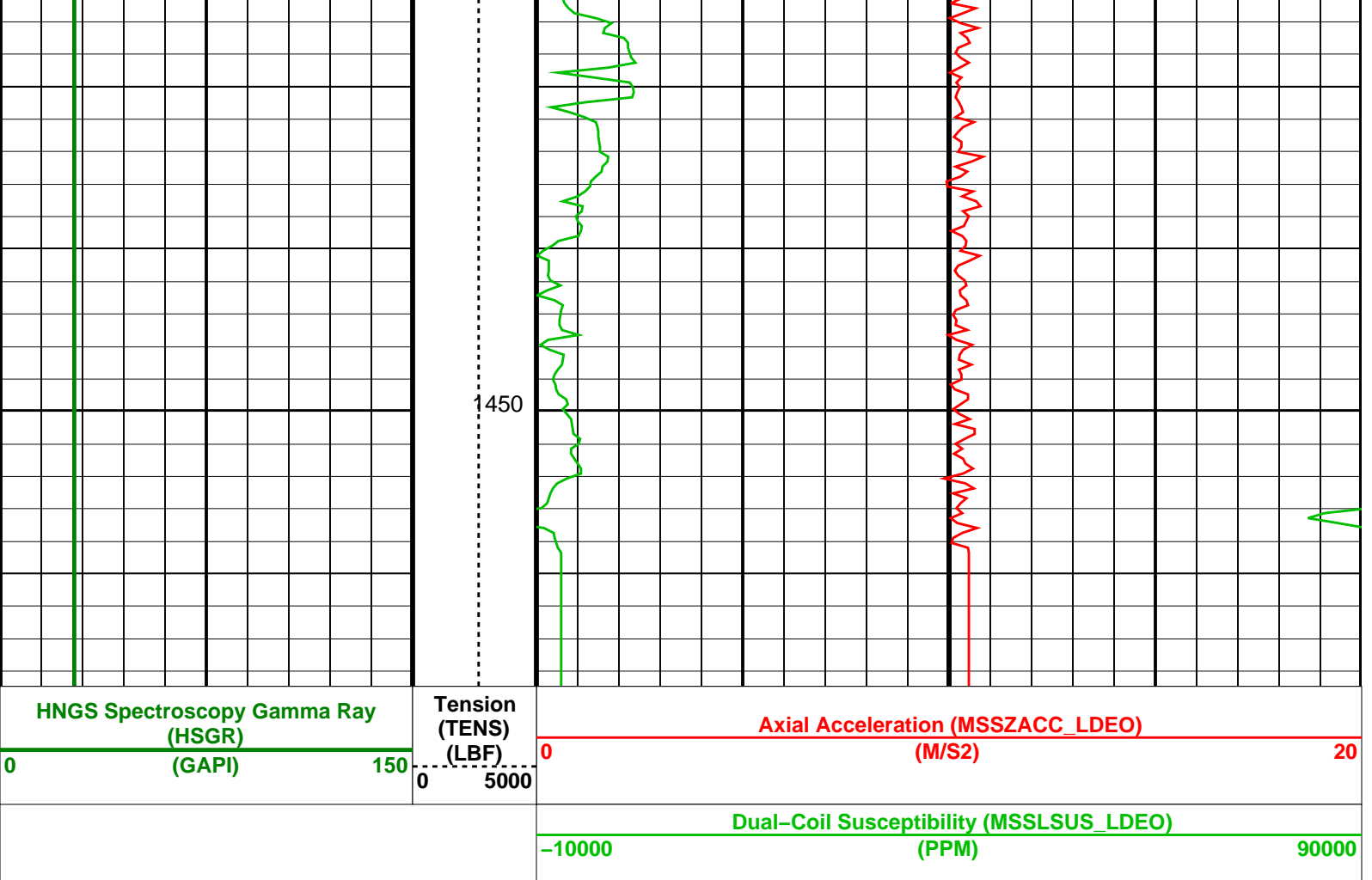
1225
1250











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	-0.00688793
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	1.02076
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03488
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

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_022PUP	PRODUCER	09-Sep-2021 12:48	1458.5 M	1181.9 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_023PUP	FN:26	PRODUCER	09-Sep-2021 12:49	
RTB	MSS_LDEO_HRLA_LDL_023PUP	FN:27	PRODUCER	09-Sep-2021 12:49	



First Pass

MAXIS Field Log

Company: International Ocean Discovery Program

Well: Expedition 396, Site U1571A

Output DLIS Files

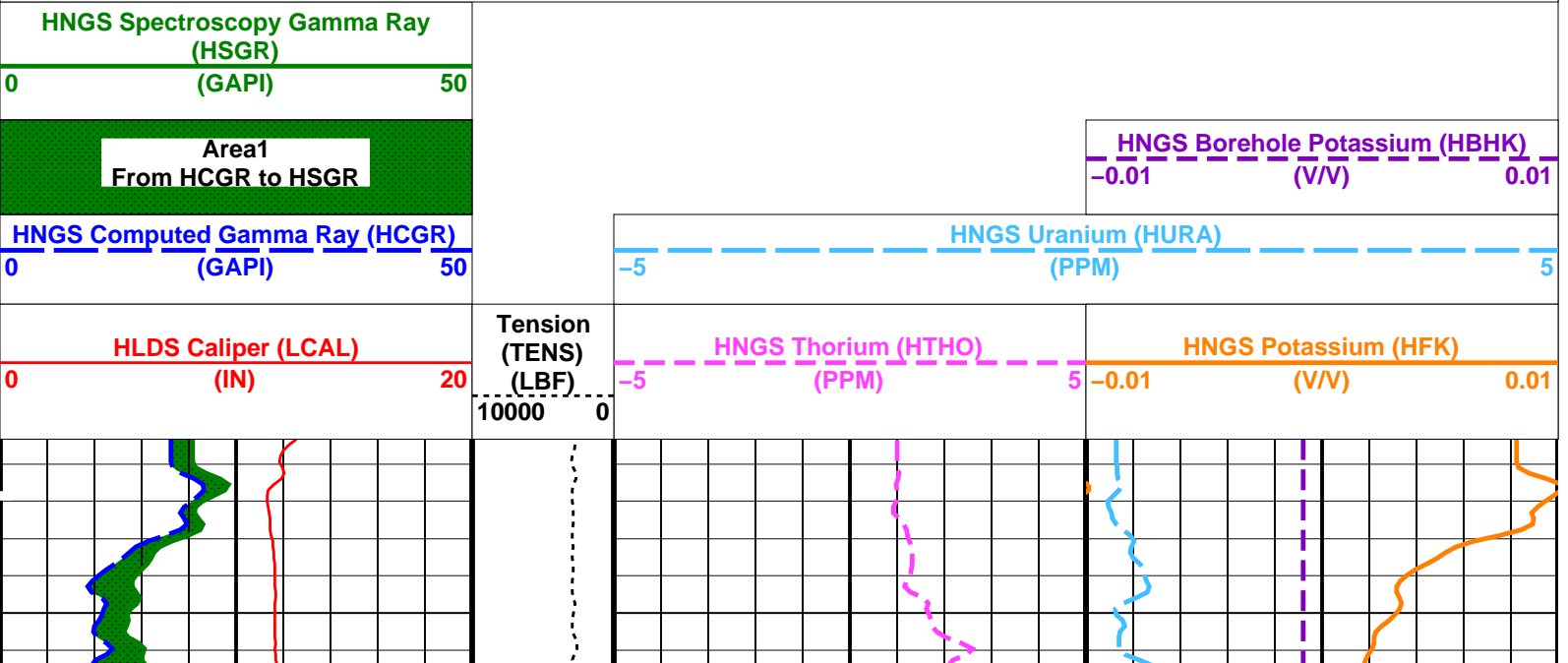
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RTB	MSS_LDEO_HRLA_LDL_015LUP	FN:16	PRODUCER	09-Sep-2021 11:26	1463.0 M	1337.3 M

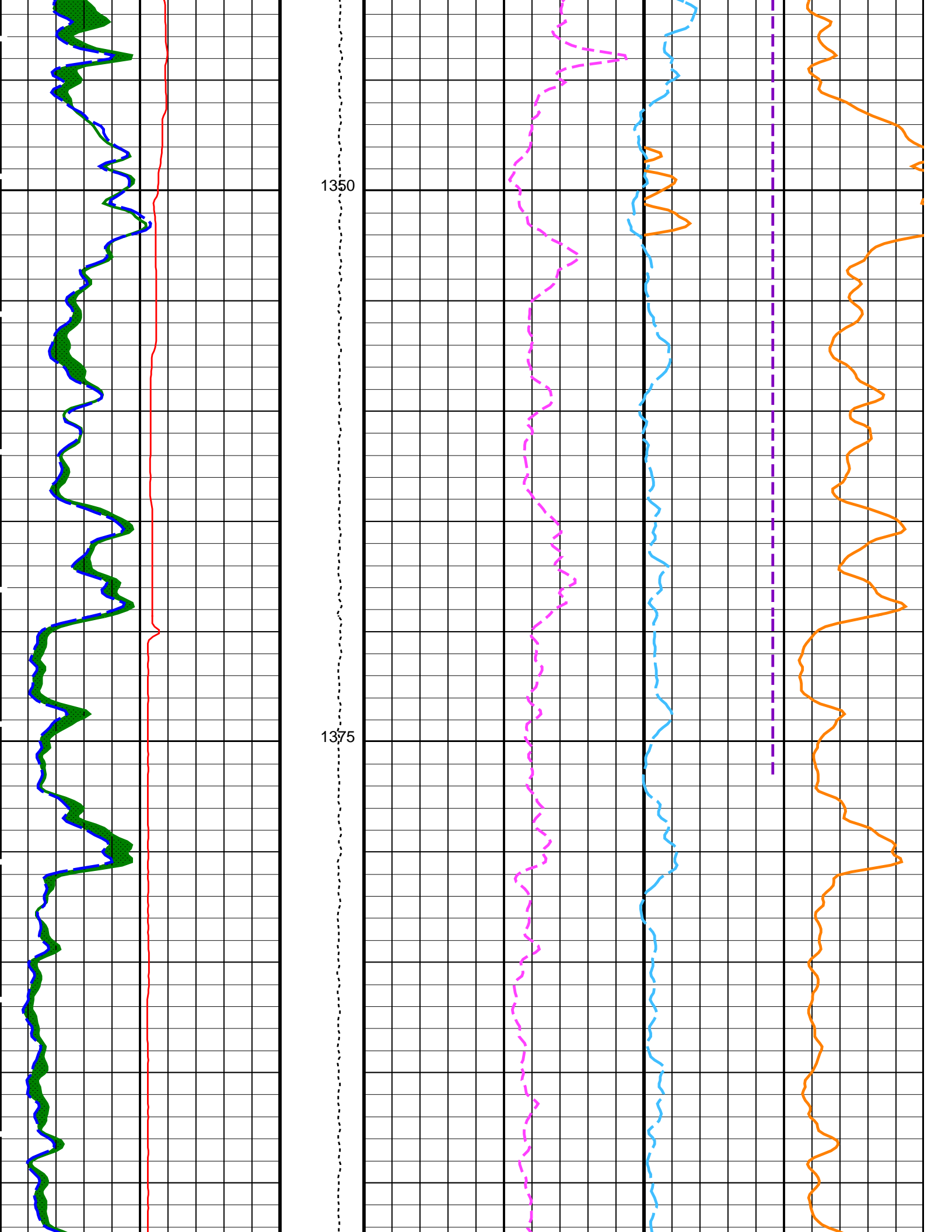
OP System Version: 19C0-187

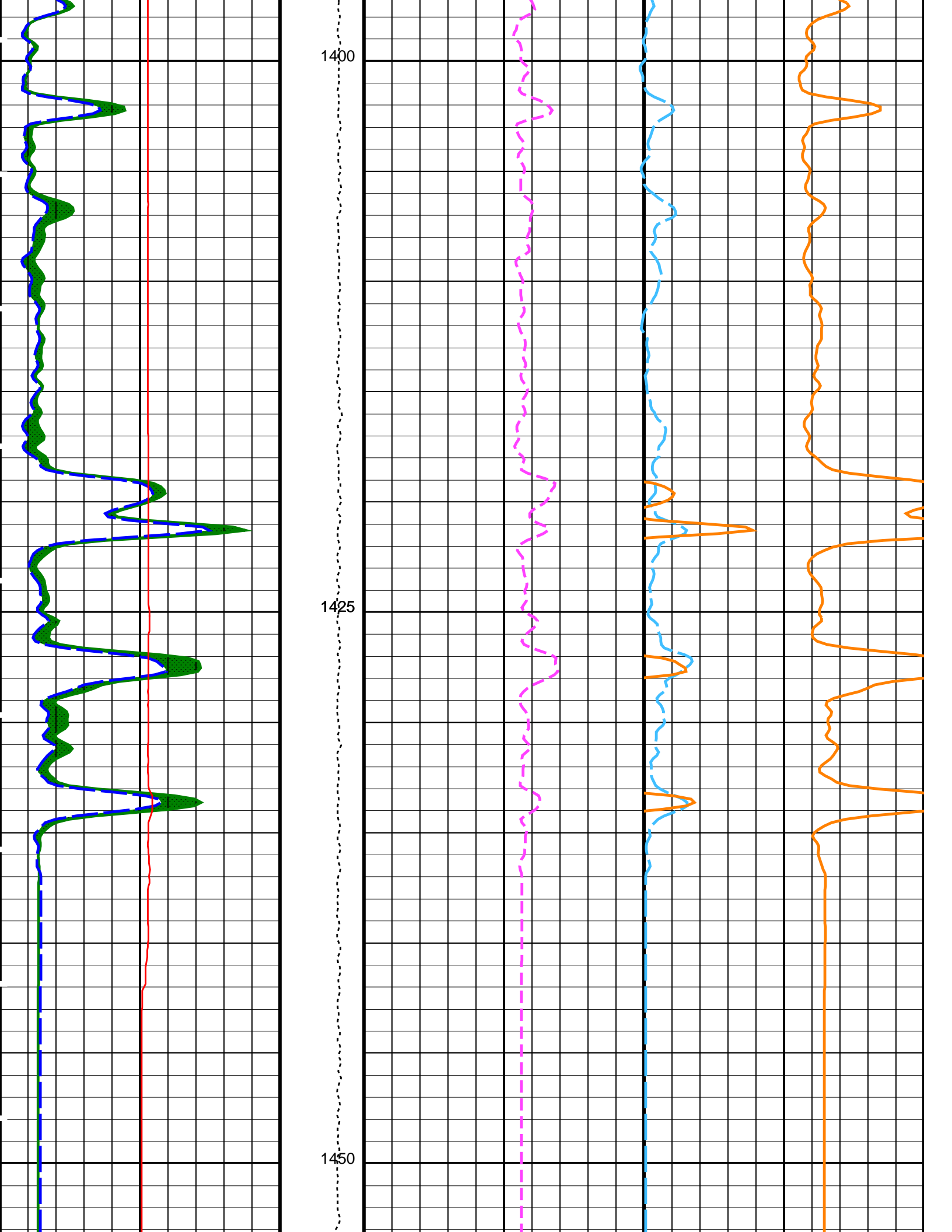
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

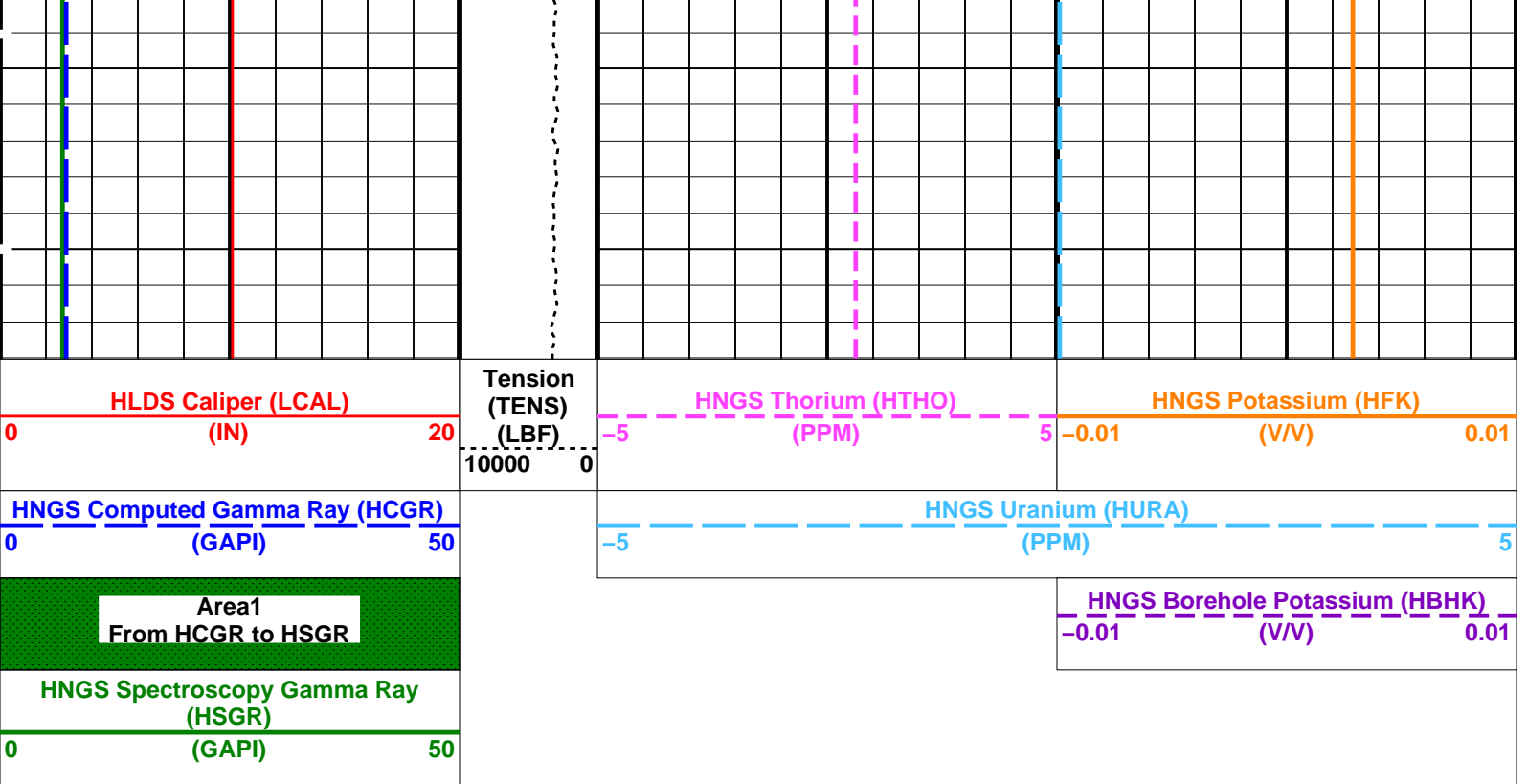
PIP SUMMARY

Time Mark Every 60 S









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	-0.00310944
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	0.970374
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.969824
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: 09-Sep-2021 11:26

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

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_015LUP	FN:15	PRODUCER	09-Sep-2021 11:26
RTB	MSS_LDEO_HRLA_LDL_015LUP	FN:16	PRODUCER	09-Sep-2021 11:26

Company: International Ocean Discovery ProgramWell: Expedition 396, Site U1571A

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_015LUP	FN:15	PRODUCER	09-Sep-2021 11:26	1463.0 M	1337.3 M
RTB	MSS_LDEO_HRLA_LDL_015LUP	FN:16	PRODUCER	09-Sep-2021 11:26	1463.0 M	1337.3 M

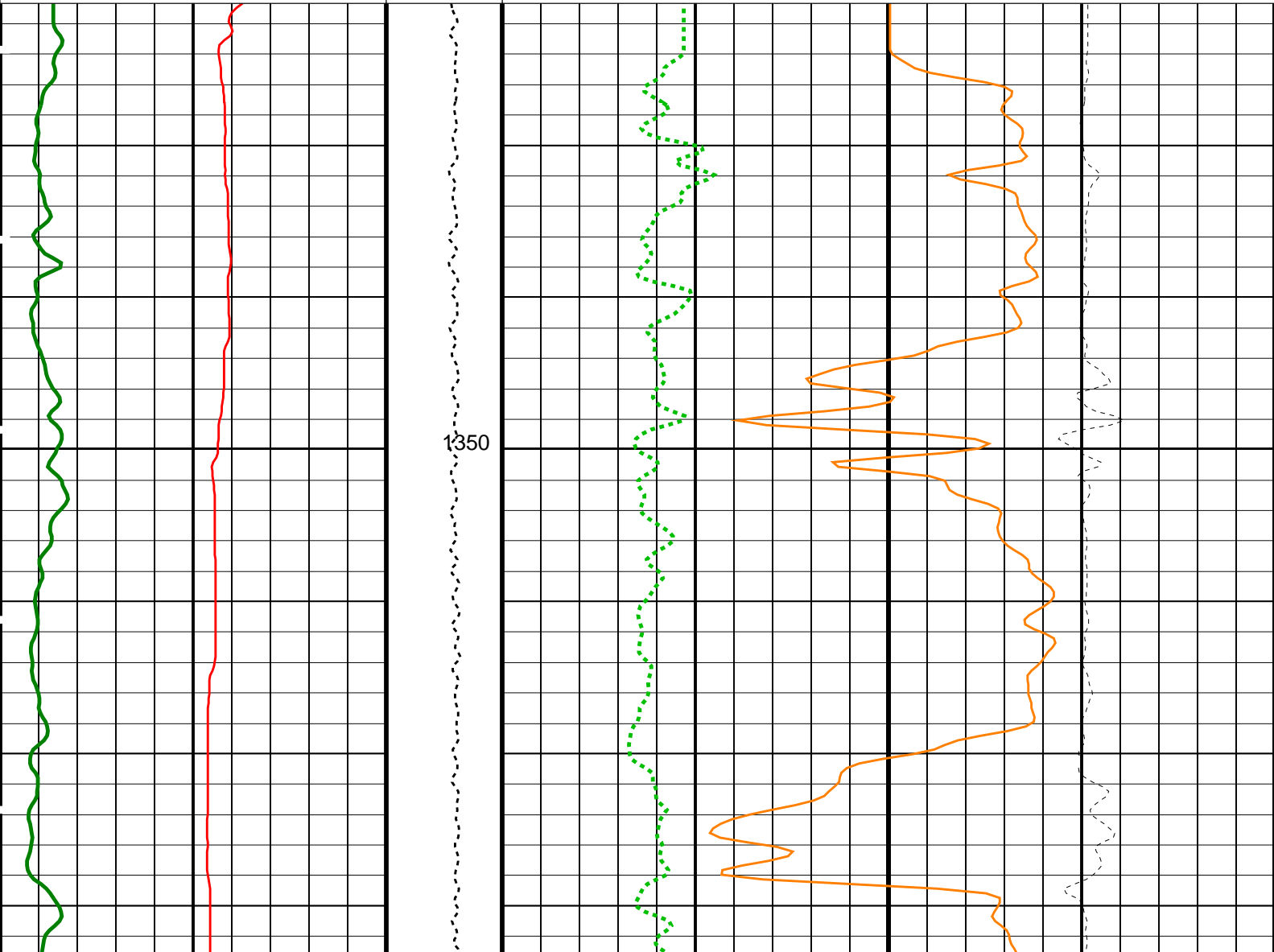
OP System Version: 19C0-187

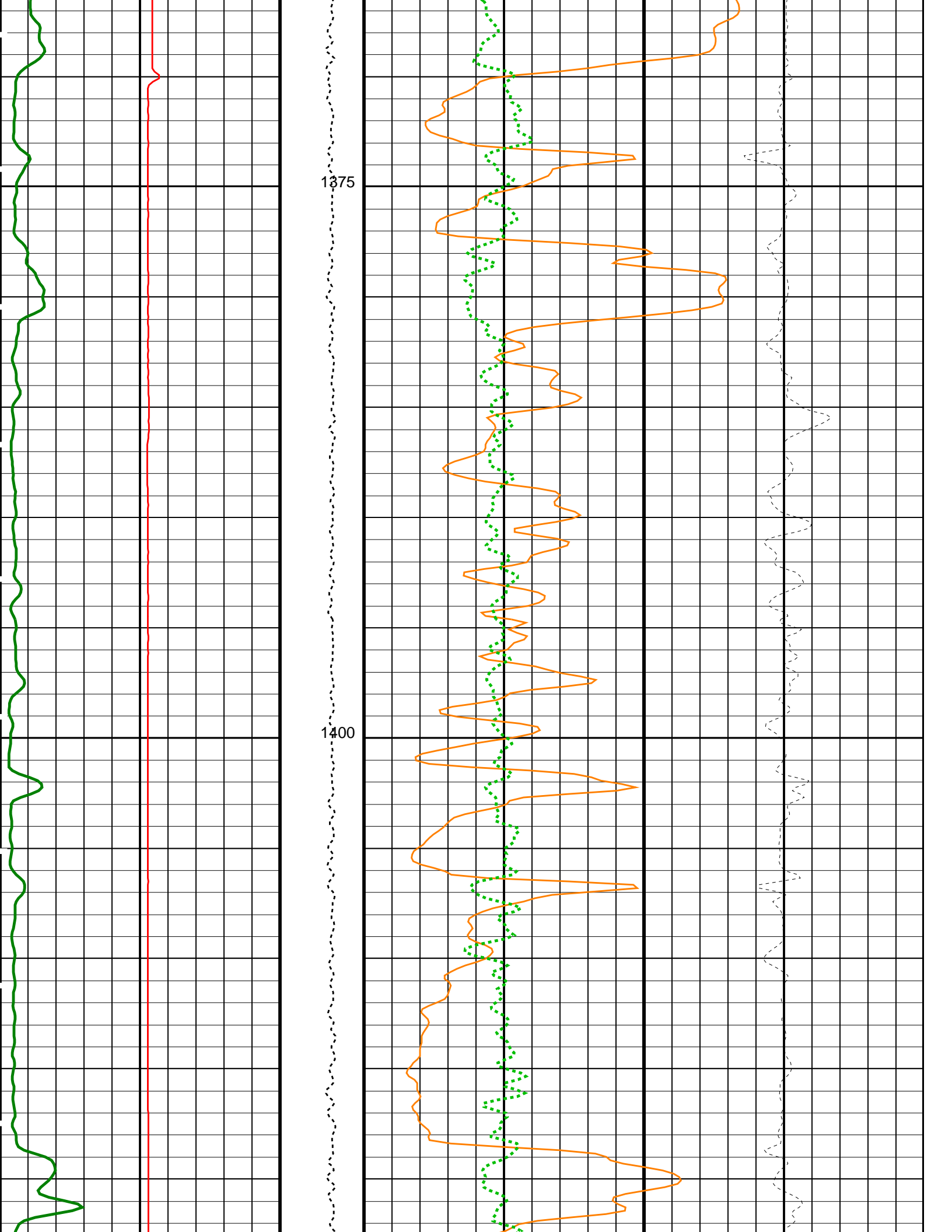
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

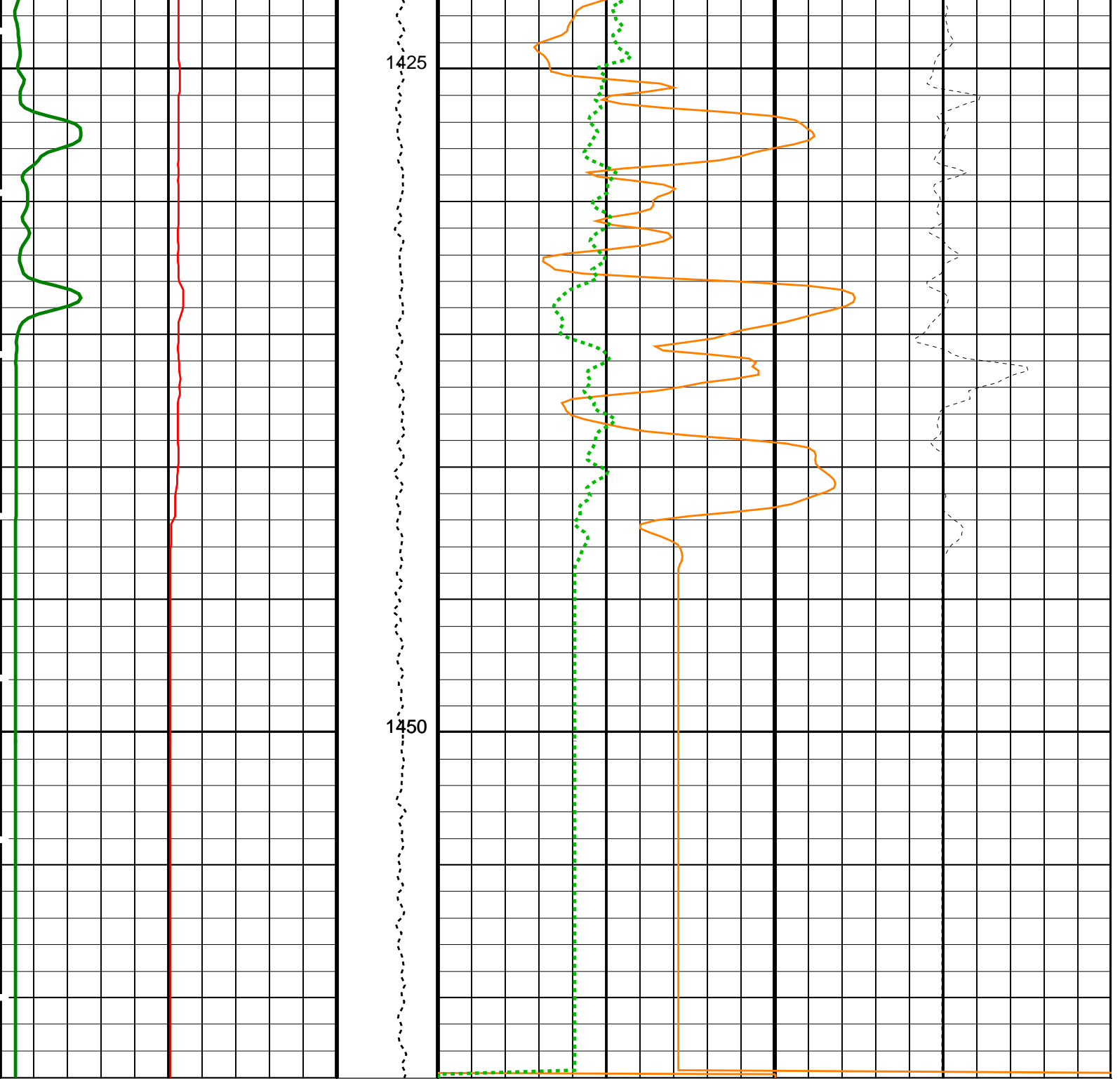
PIP SUMMARY

Time Mark Every 60 S

<b style="color: green;">HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	<b style="color: green;">HLDS Long Spaced Photoelectric Effect (PEFL) (----)	HLDS Bulk Density Correction (DRH) (G/C3)
0 150	0 10	-0.25 0.25
<b style="color: red;">HLDS Caliper (LCAL) (IN)	Tension (TENS) (LBF)	<b style="color: orange;">HLDS Bulk Density (RHOM) (G/C3)
0 20	0 5000	3 1







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
BHS	HRLT-B: High Resolution Laterolog Array - B	OPEN
GCSE	Borehole Status	LCAL
	Generalized Caliper Selection	
	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	-0.00310944	
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	0.970374	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.969824	
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: 09-Sep-2021 11:26

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_015LUP	FN:15	PRODUCER	09-Sep-2021 11:26
RTB	MSS_LDEO_HRLA_LDL_015LUP	FN:16	PRODUCER	09-Sep-2021 11:26

Company: International Ocean Discovery Program Well: Expedition 396, Site U1571A

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_015LUP	FN:15	PRODUCER	09-Sep-2021 11:26	1463.0 M	1337.3 M
RTB	MSS_LDEO_HRLA_LDL_015LUP	FN:16	PRODUCER	09-Sep-2021 11:26	1463.0 M	1337.3 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

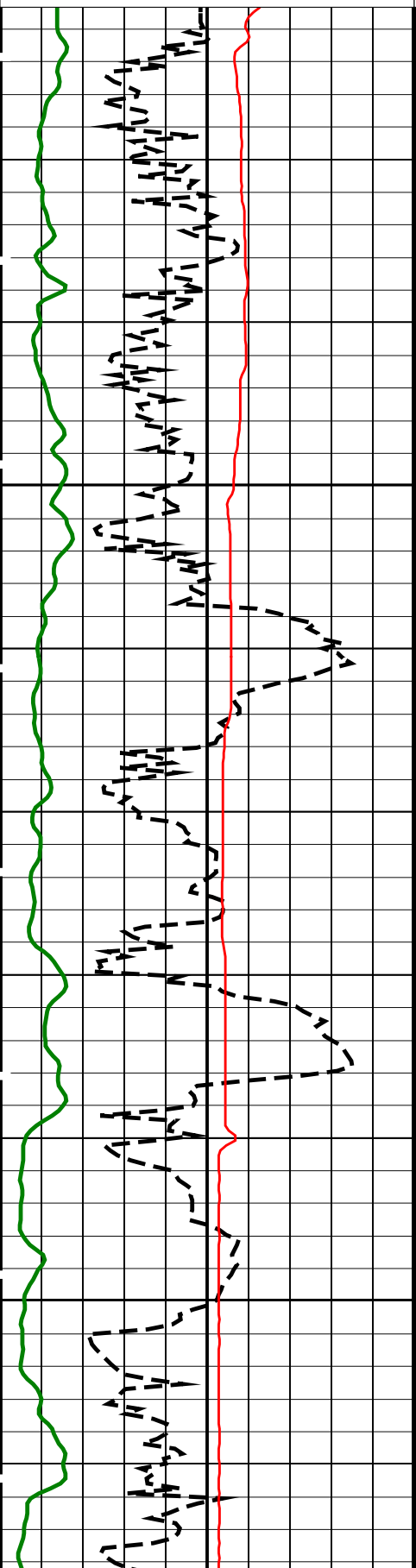
Time Mark Every 60 S

HRLT Mud Resistivity (RM_HRLT)	
0.02	(OHMM) 200
HRLT Resistivity 5 (RLA5)	
0.2	(OHMM) 2000
HRLT Resistivity 4 (RLA4)	
0.2	(OHMM) 2000
HNGS Spectroscopy Gamma Ray (USGP)	
HRLT Resistivity 3 (RLA3)	

0 (HSGR) (GAPI) 150

0 Invasion Diameter (DI_HRLT) (IN) 50

0 HLDS Caliper (LCAL) (IN) 20

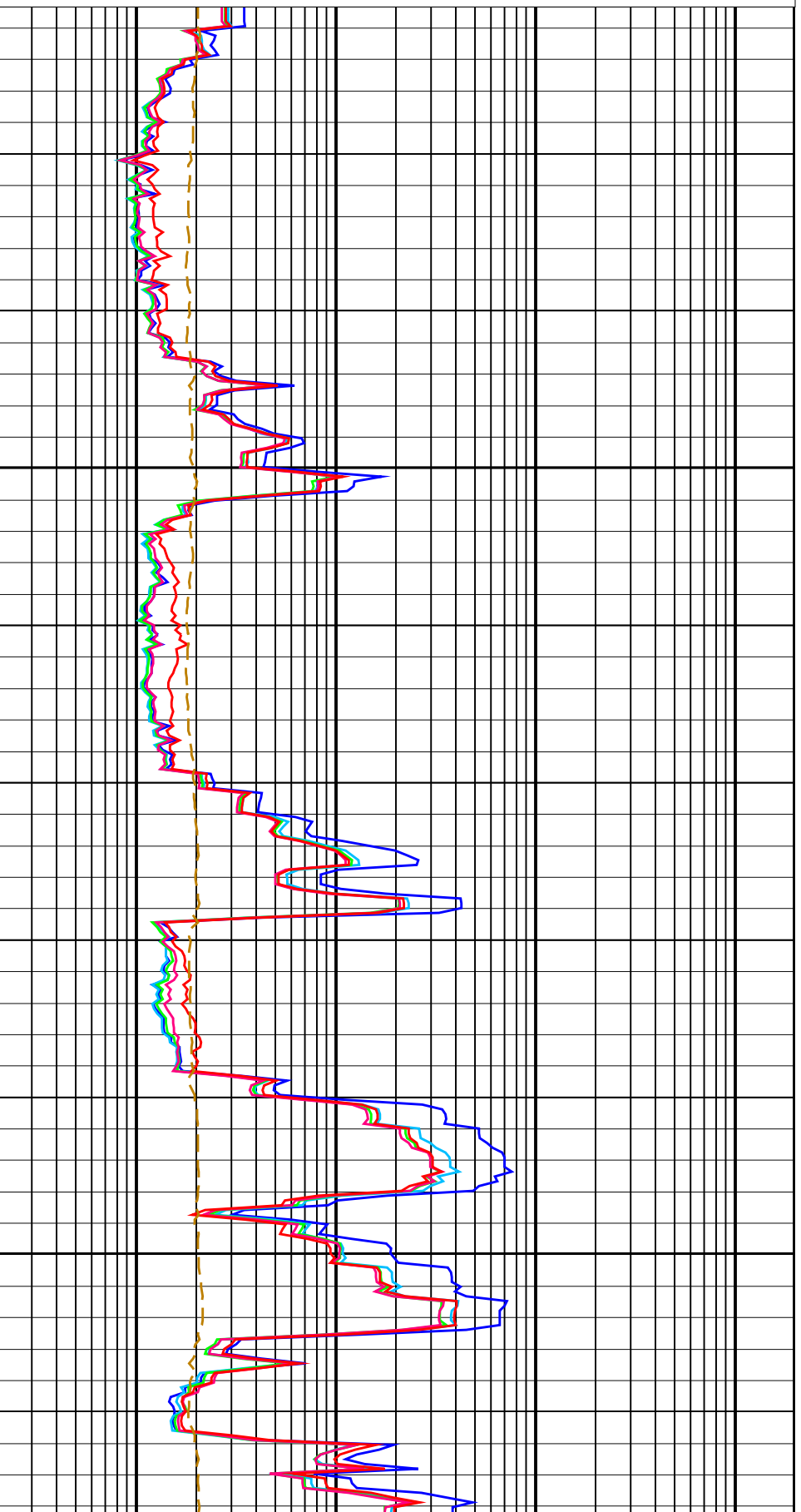


Tension (TENS) (LBF) 0 5000

0.2 (OHMM) 2000

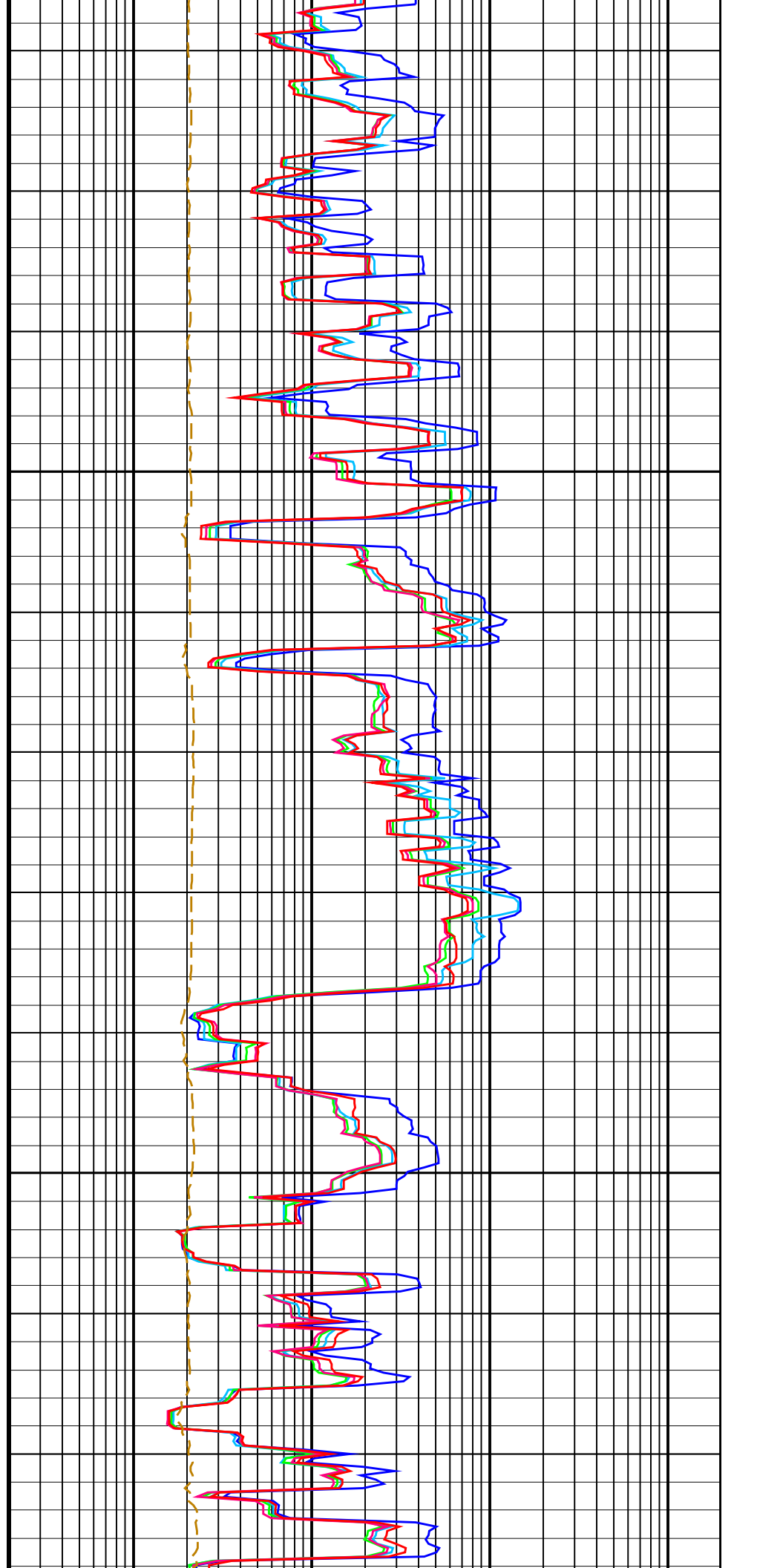
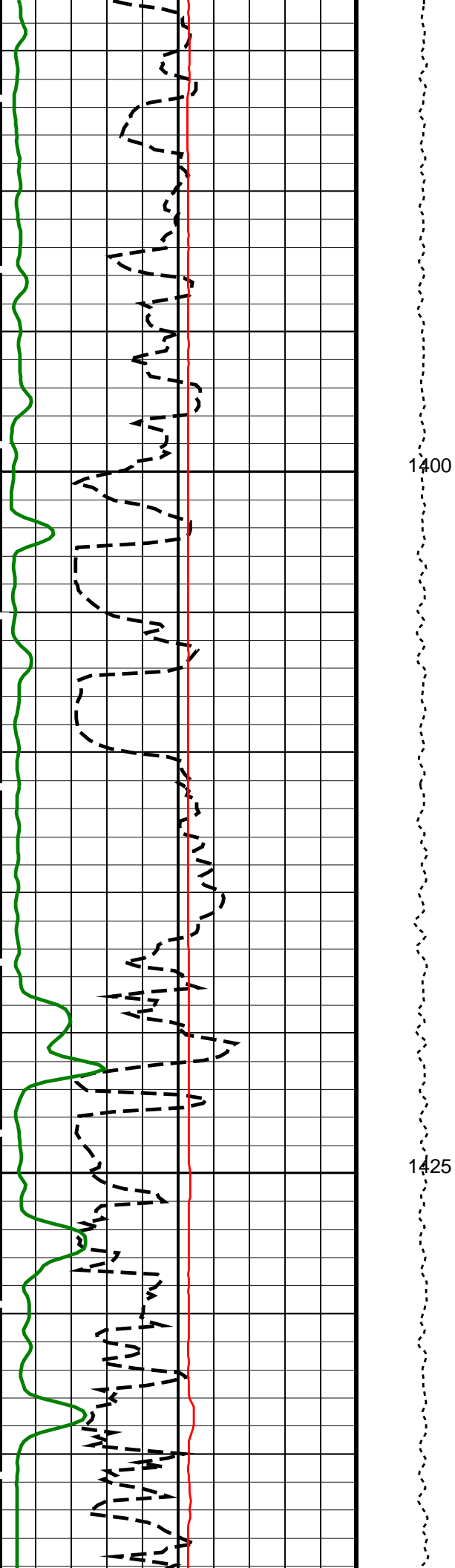
0.2 HRLT Resistivity 2 (RLA2) (OHMM) 2000

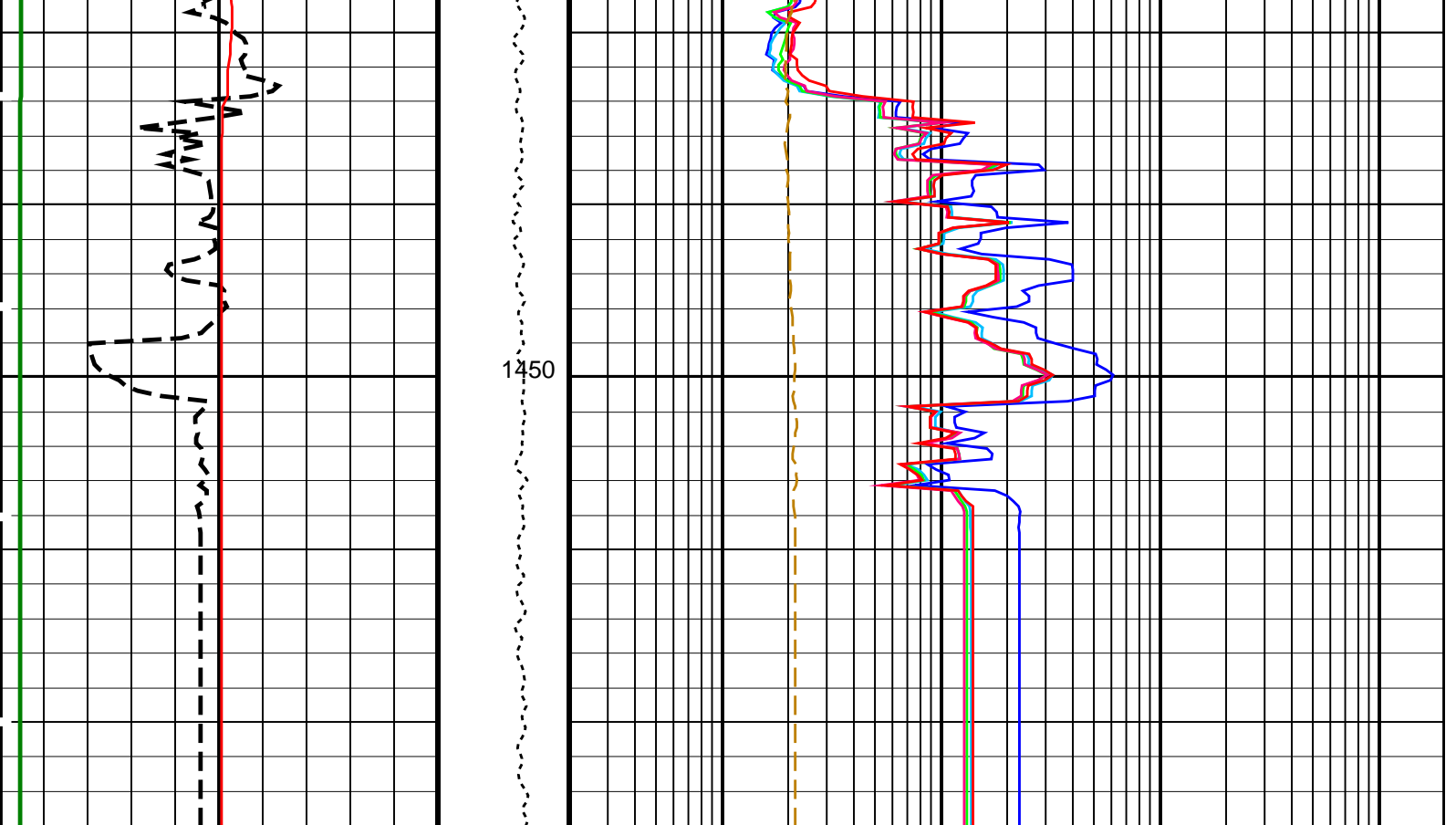
0.2 HRLT Resistivity 1 (RLA1) (OHMM) 2000



1350

1375





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
PROCINF	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	-0.00310944	
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	0.970374	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.969824	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
MST	Mud Sample Temperature	23.00	DEGC
TD	Total Depth	2292	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 09-Sep-2021 11:26

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_015LUP	FN:15	PRODUCER	09-Sep-2021 11:26
RTB	MSS_LDEO_HRLA_LDL_015LUP	FN:16	PRODUCER	09-Sep-2021 11:26

Company: International Ocean Discovery Program Well: Expedition 396, Site U1571A

Output DLIS Files

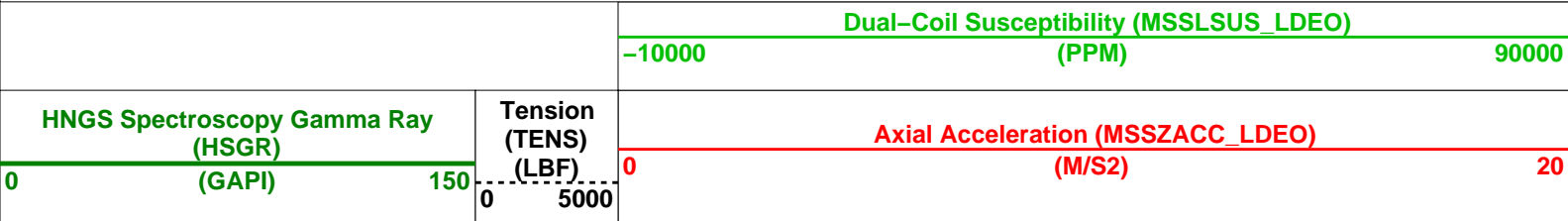
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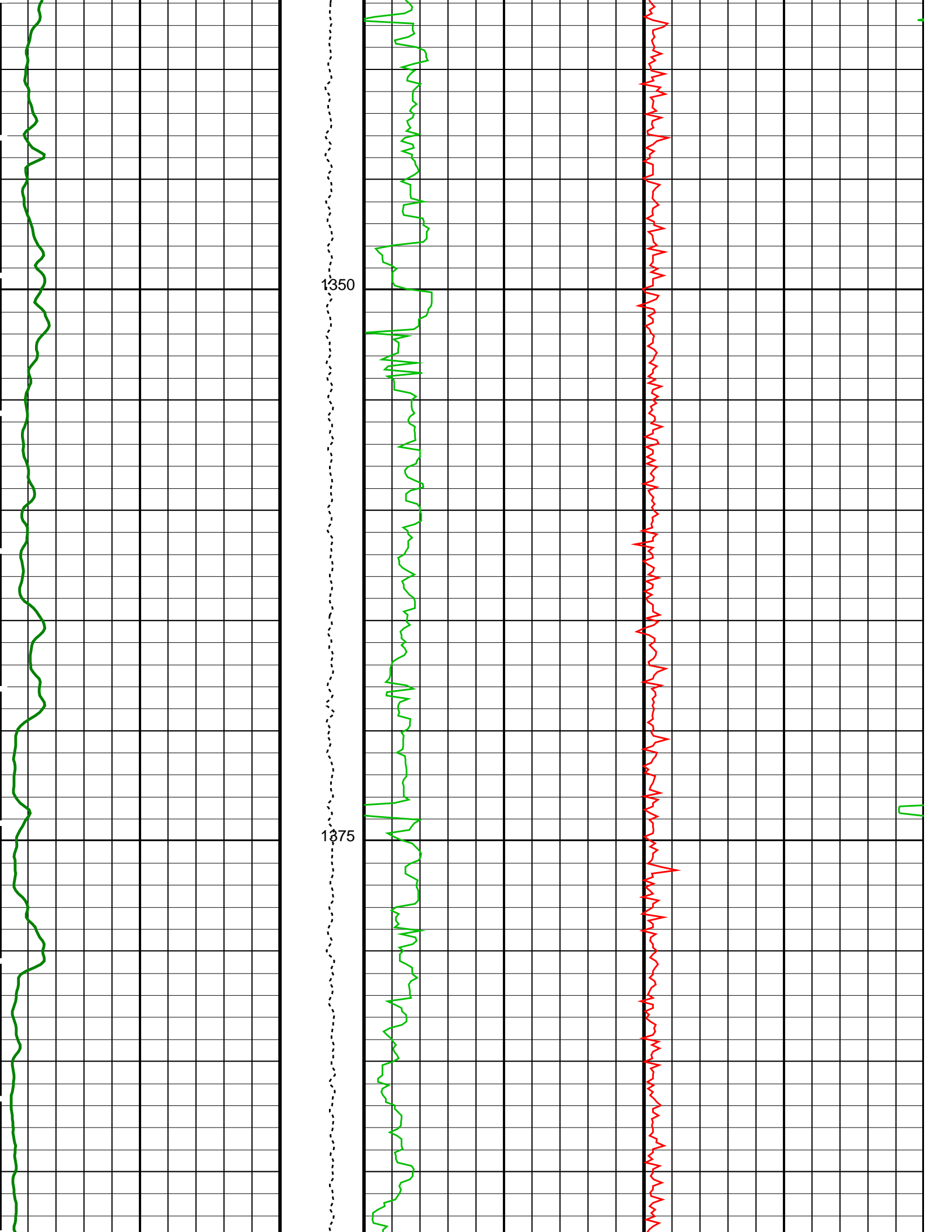
OP System Version: 19C0-187

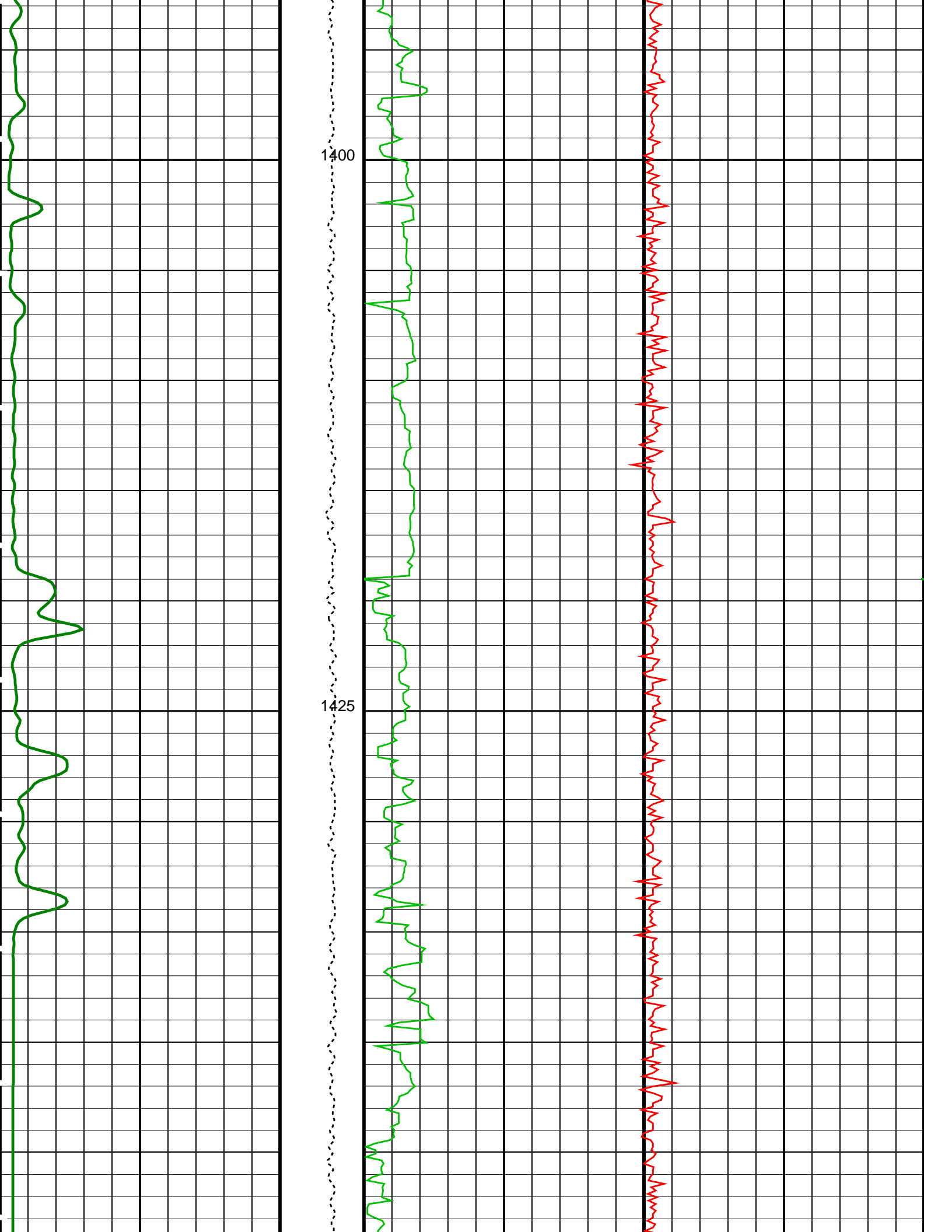
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

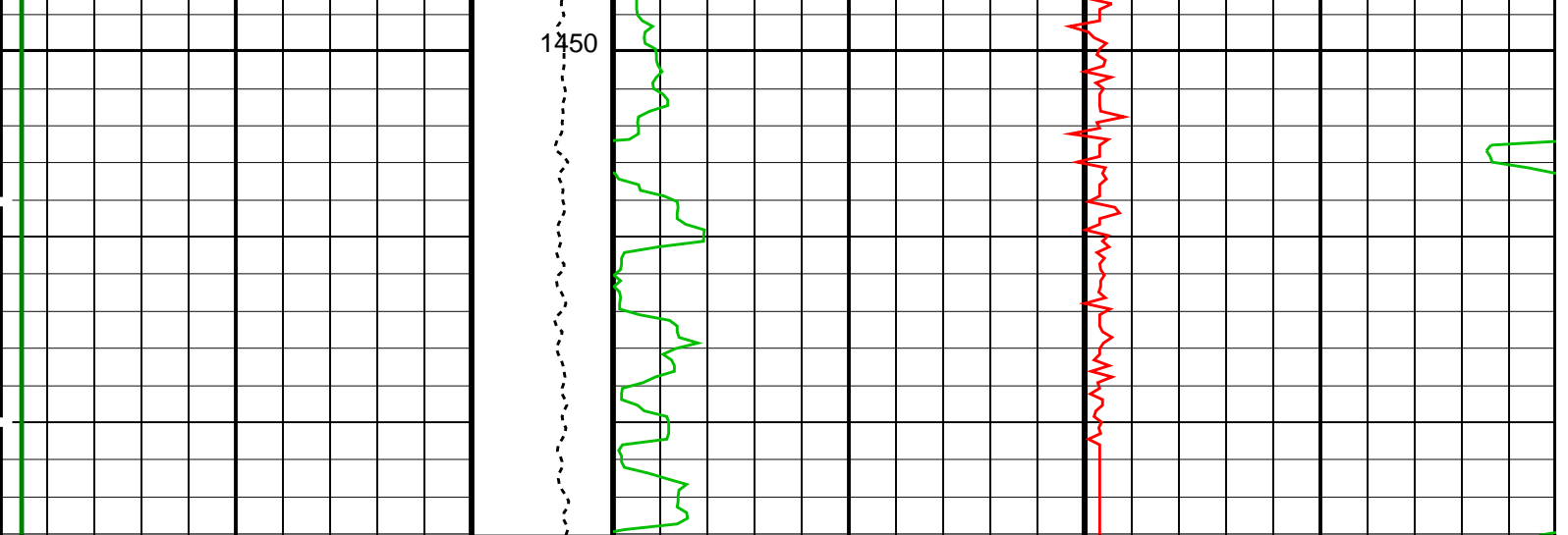
PIP SUMMARY

Time Mark Every 60 S









HNGS Spectroscopy Gamma Ray (HSGR)	Tension (TENS)	Axial Acceleration (MSSZACC_LDEO)
(GAPI)	(LBF)	(M/S ²)
0 150	0 5000	0 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	-0.00310944
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	0.970374
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.969824
	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: 09-Sep-2021 11:26

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_HRLT-B_LDL_015LUB_EN:15_PRODUCER 09 Sep 2021 11:26



Second Pass

MAXIS Field Log

Company: International Ocean Discovery Program Well: Expedition 396, Site U1571A

Output DLIS Files

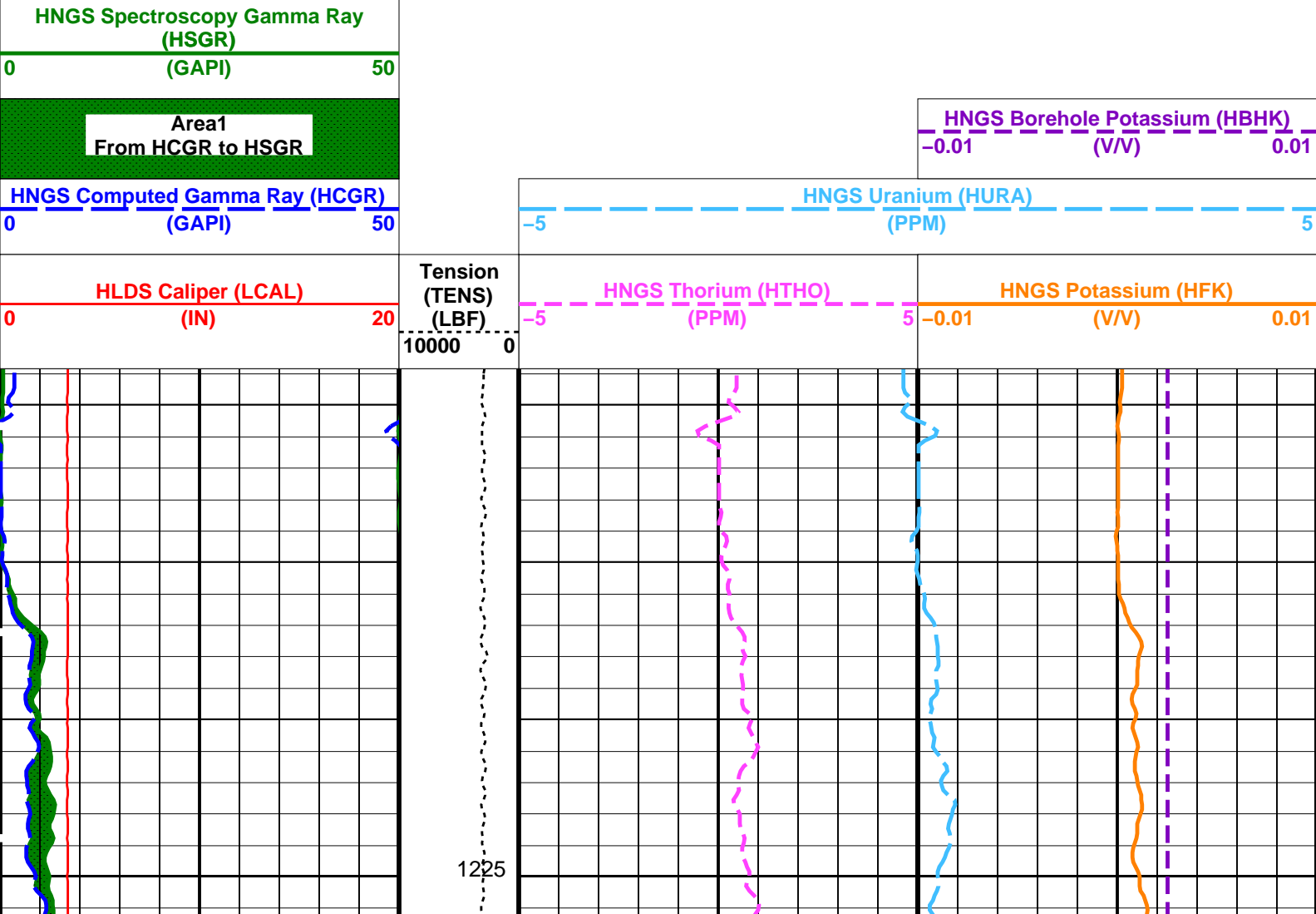
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RTB	MSS_LDEO_HRLA_LDL_016LUP	FN:18	PRODUCER	09-Sep-2021 11:58	1463.0 M	1209.3 M

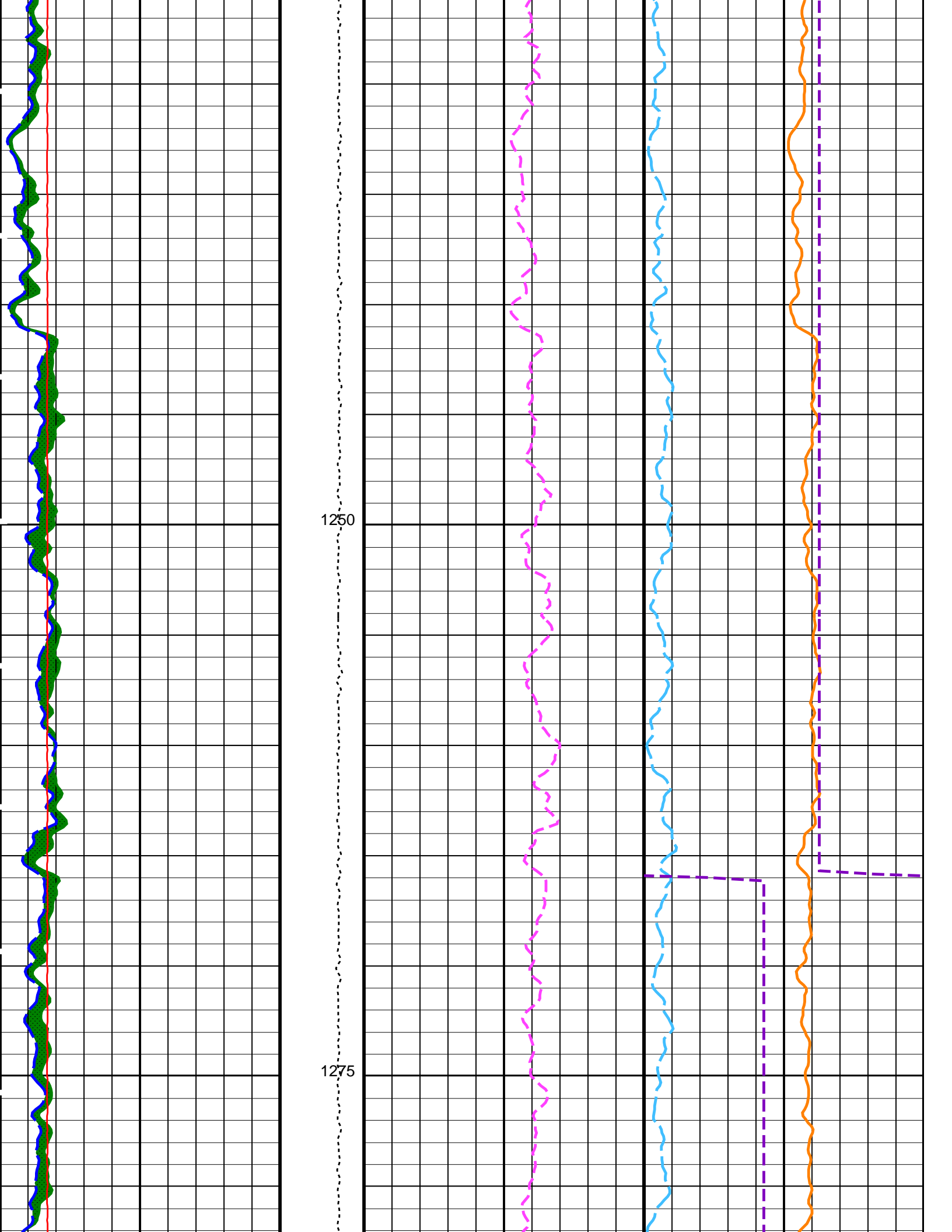
OP System Version: 19C0-187

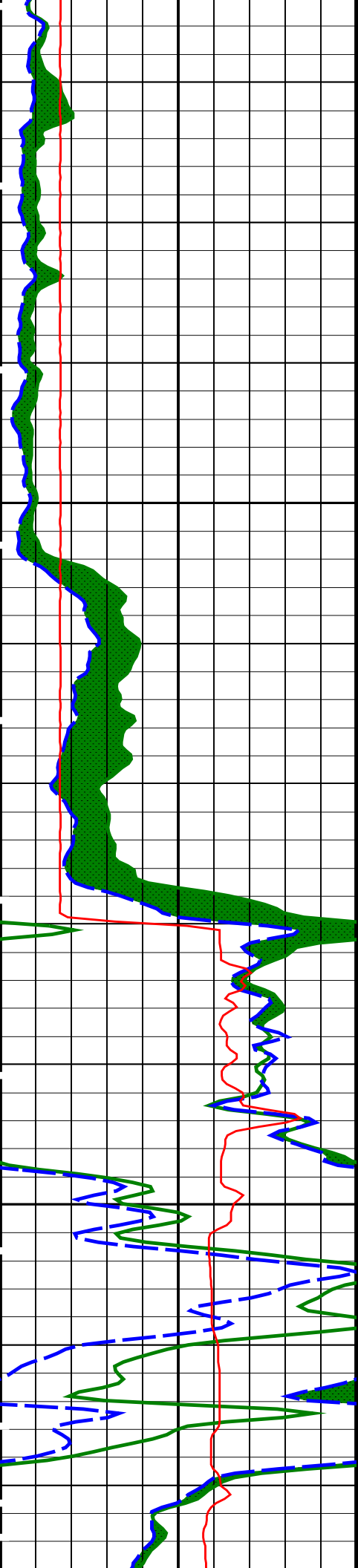
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

PIP SUMMARY

Time Mark Every 60 S

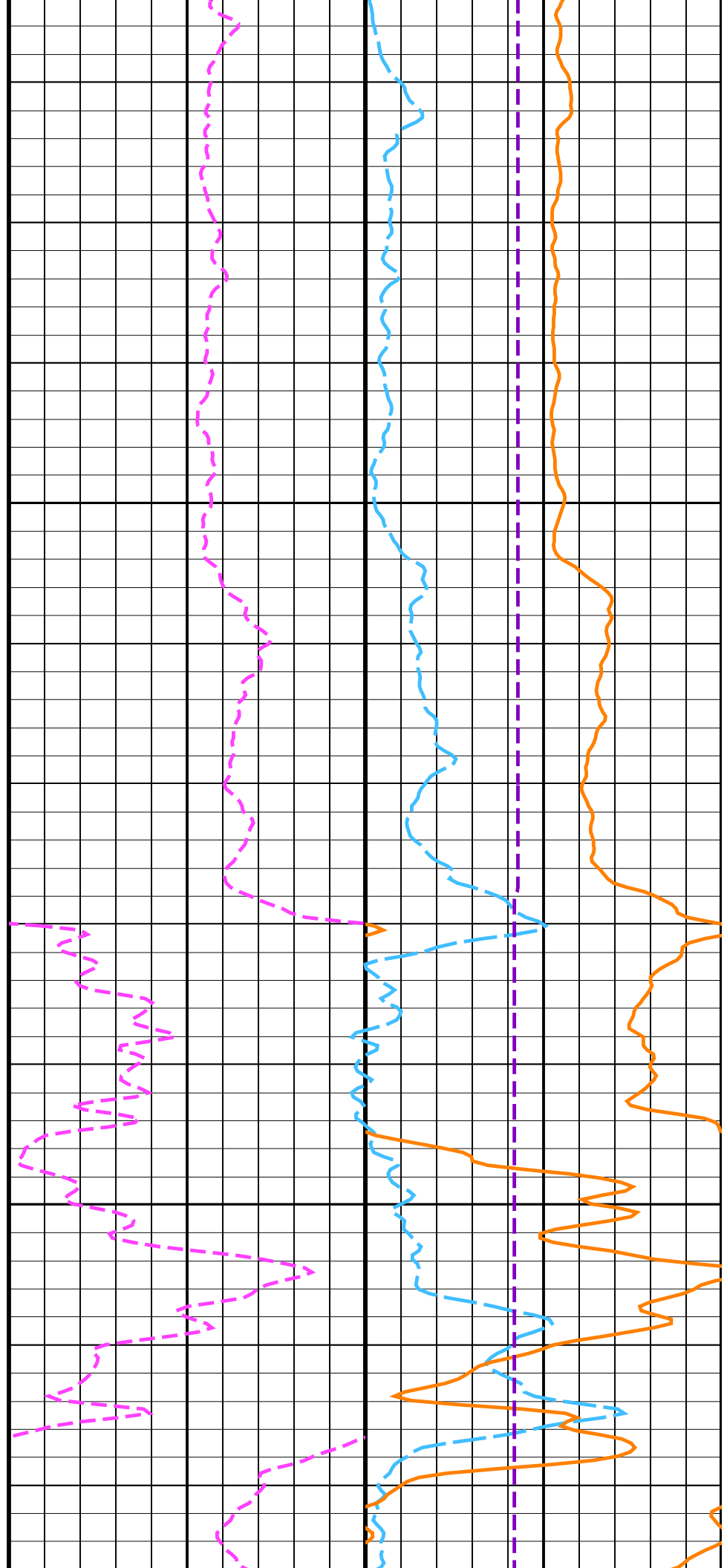


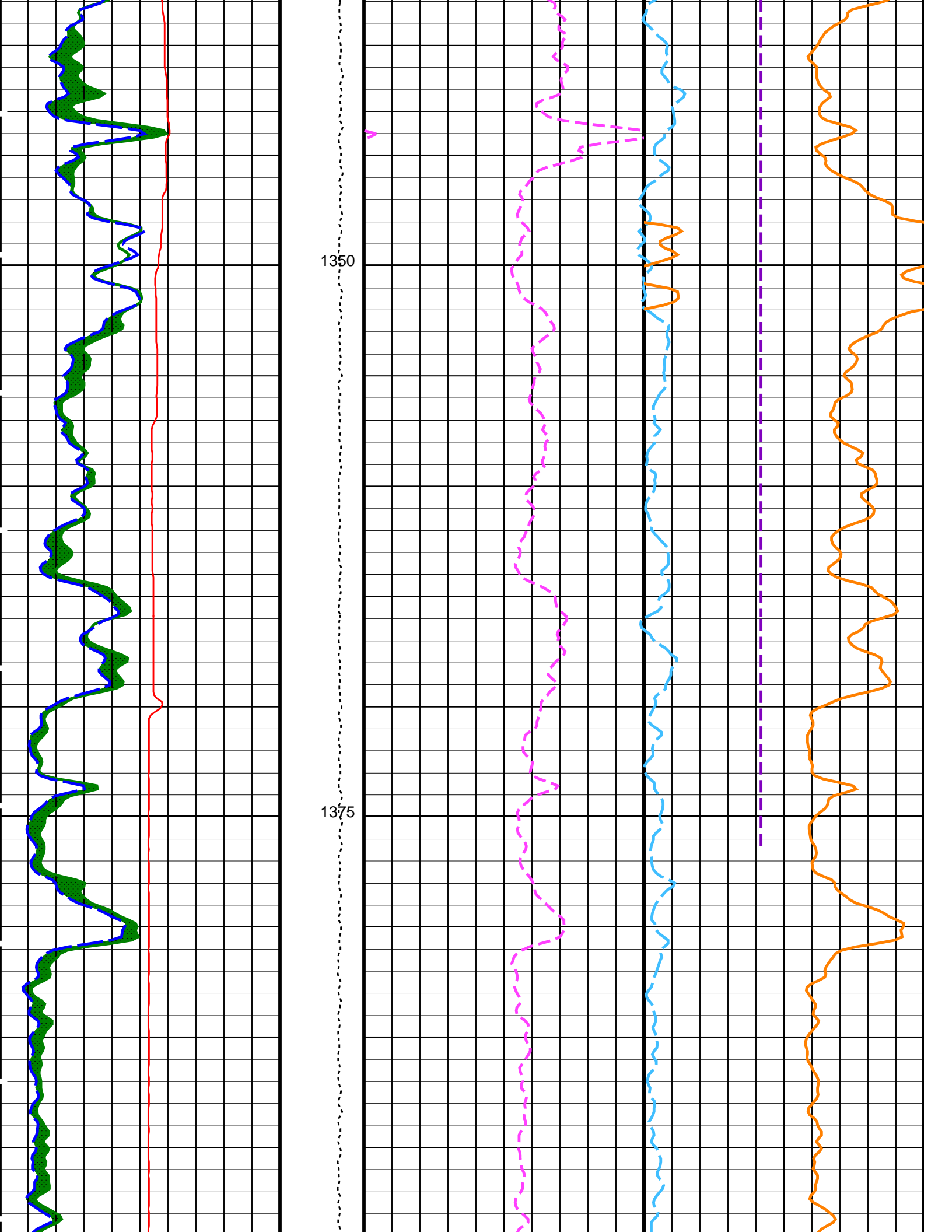


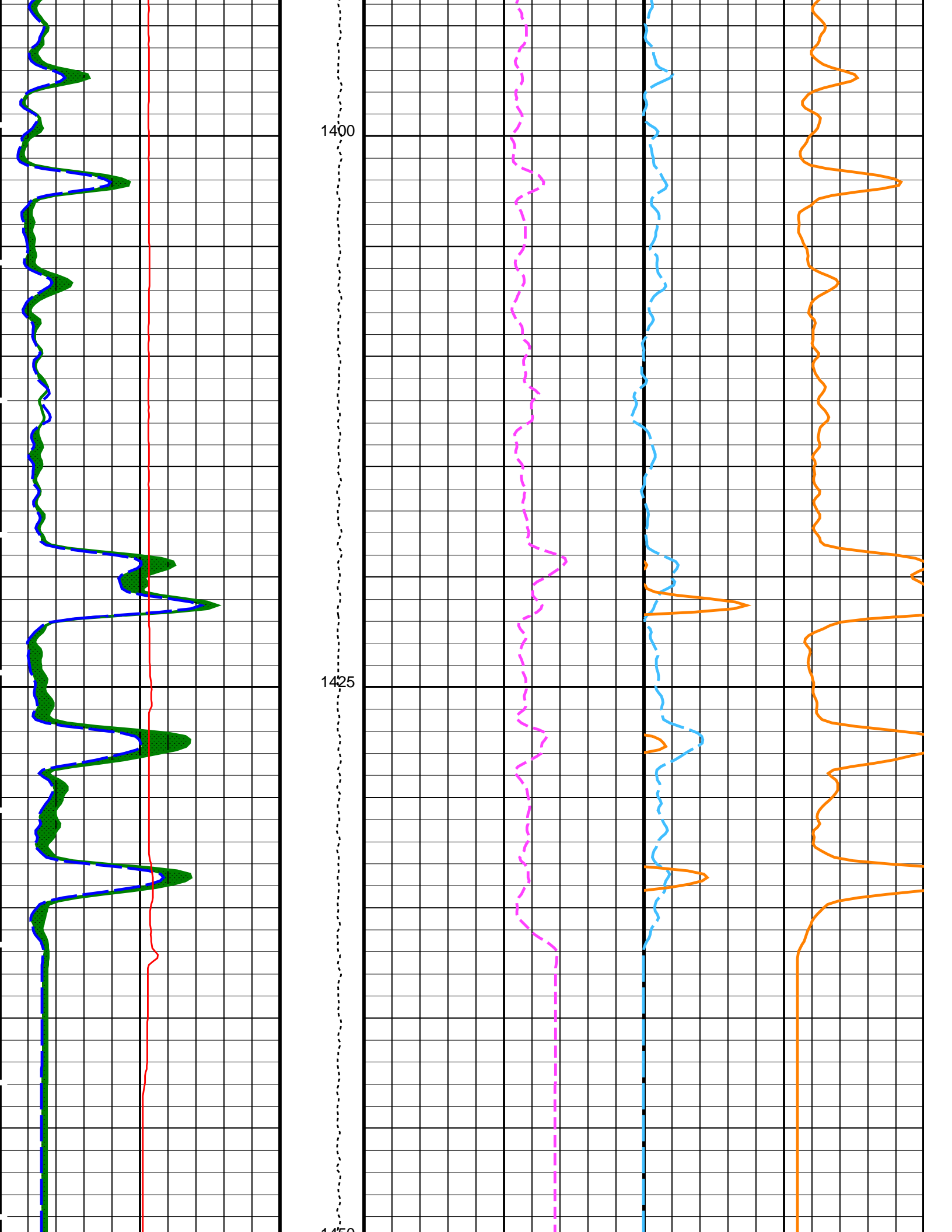


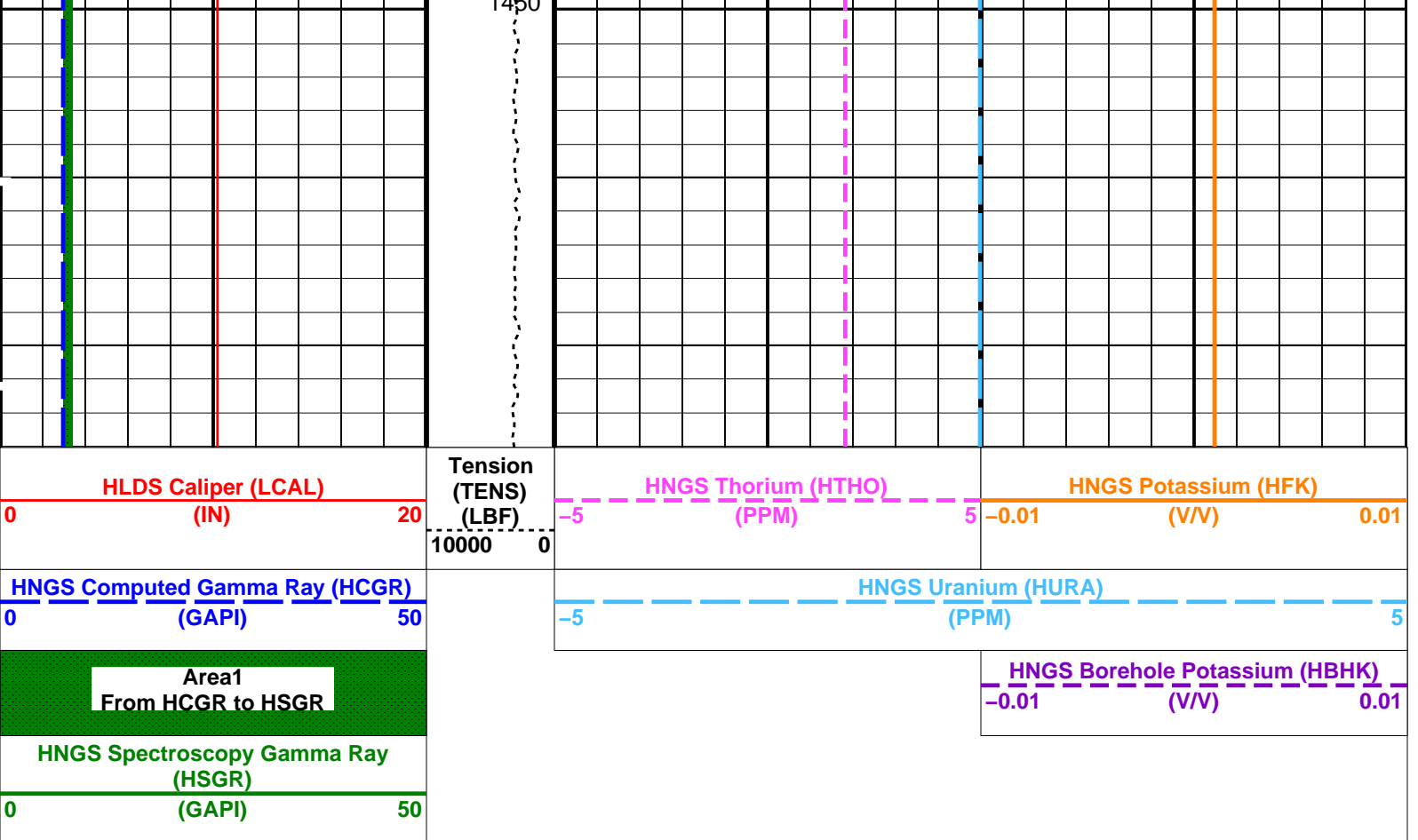
1300

1325









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	-0.000848683
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	1.06071
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.08597
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: 09-Sep-2021 11:58

OP System Version: 19C0-187

MSS_LDEO-A

19C0-187

HRLT-B

19C0-187

HLDS

19C0-187

LDSC-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_016LUP	FN:17	PRODUCER	09-Sep-2021 11:58
RTB	MSS_LDEO_HRLA_LDL_016LUP	FN:18	PRODUCER	09-Sep-2021 11:58

Company: International Ocean Discovery Program

Well: Expedition 396, Site U1571A

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_016LUP	FN:17	PRODUCER	09-Sep-2021 11:58	1463.0 M	1209.3 M
RTB	MSS_LDEO_HRLA_LDL_016LUP	FN:18	PRODUCER	09-Sep-2021 11:58	1463.0 M	1209.3 M

OP System Version: 19C0-187

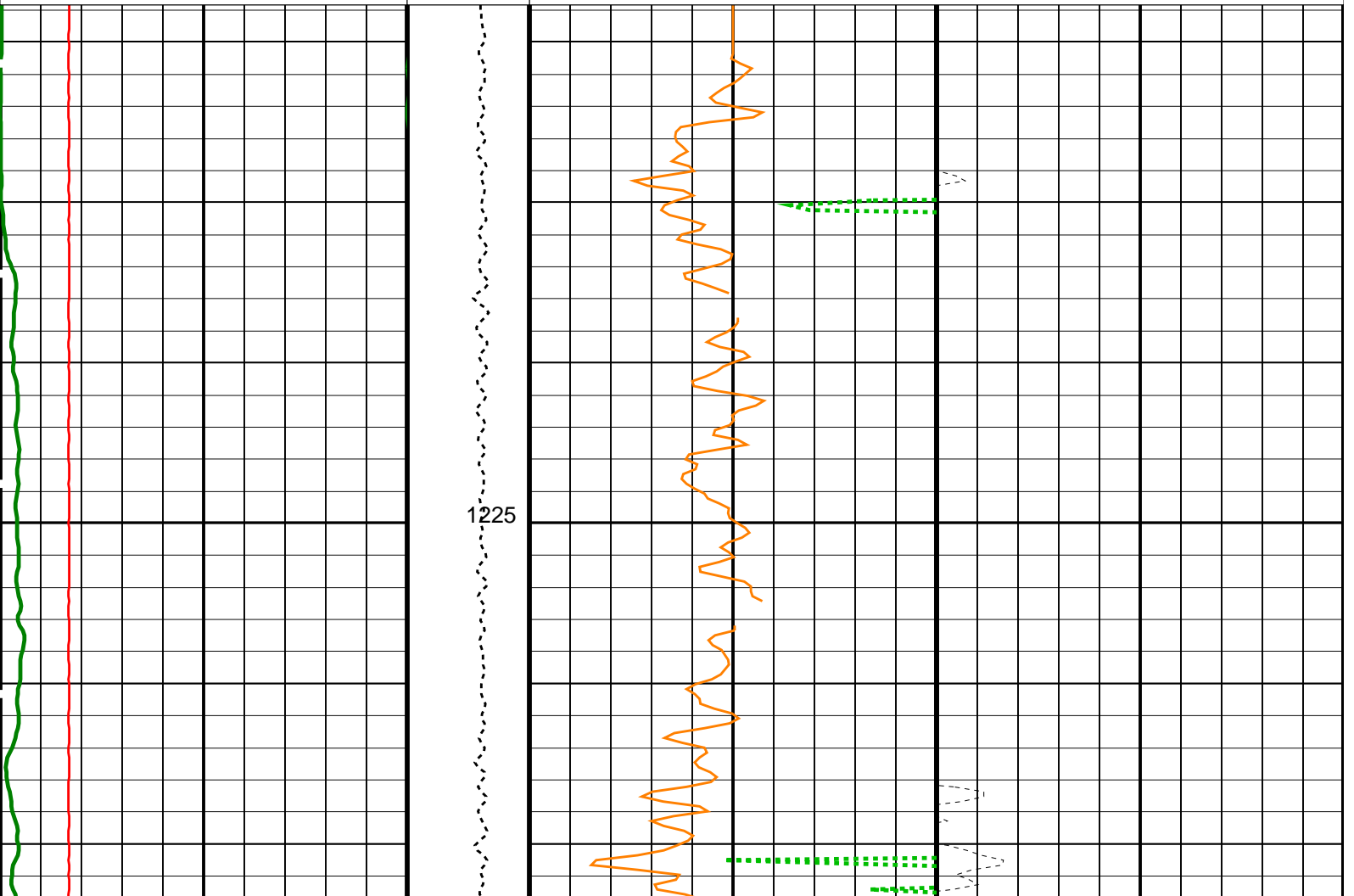
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

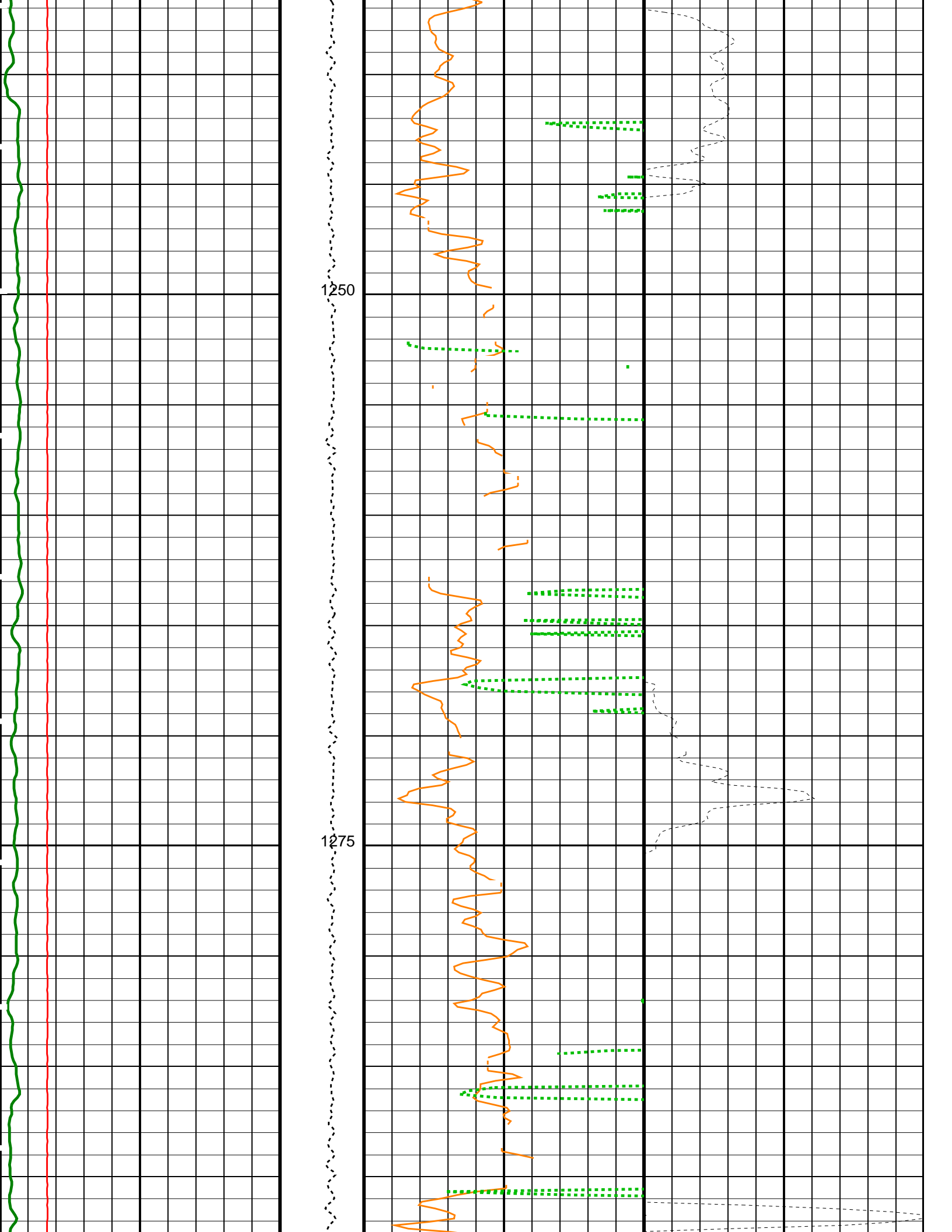
PIP SUMMARY

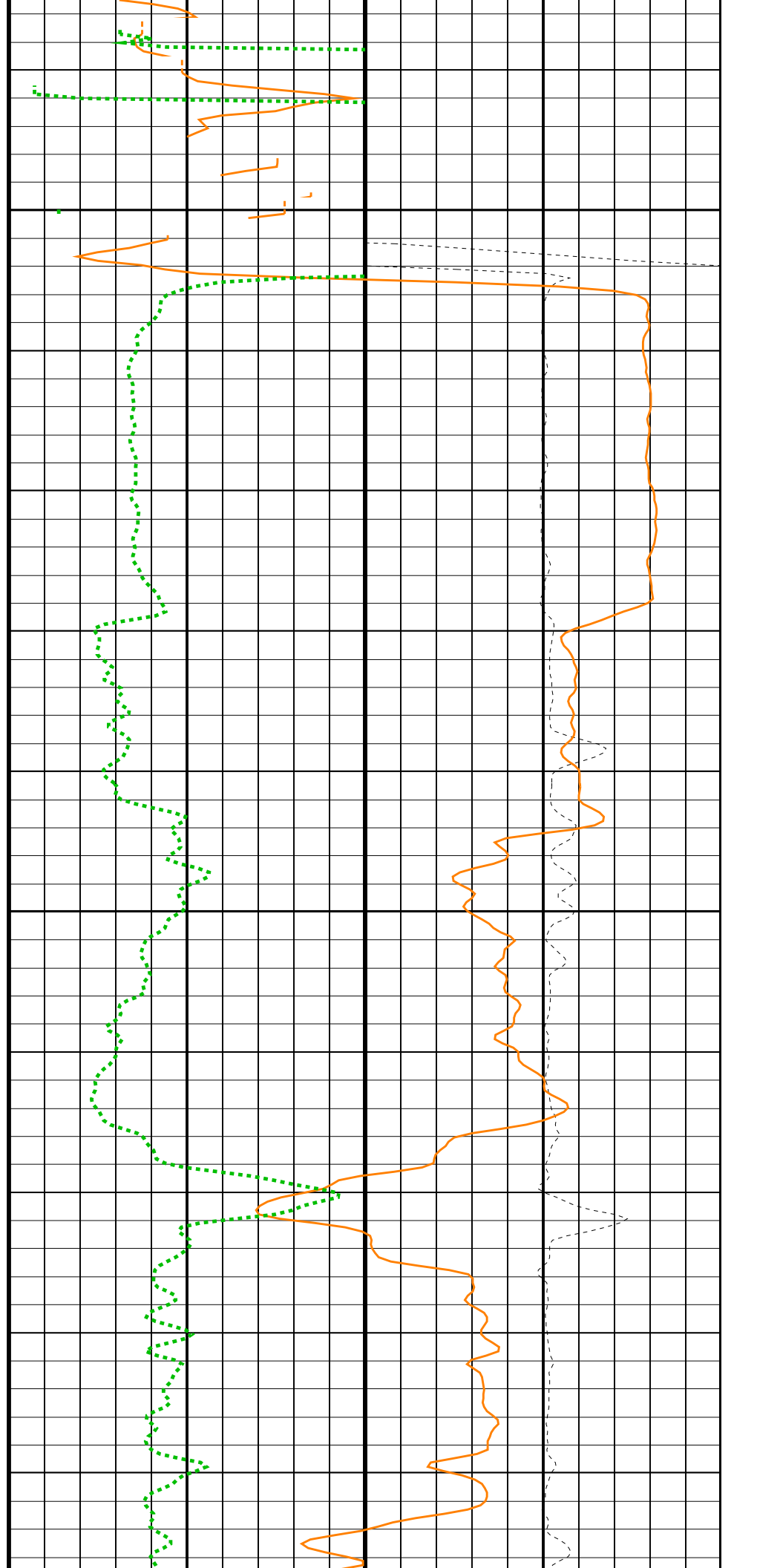
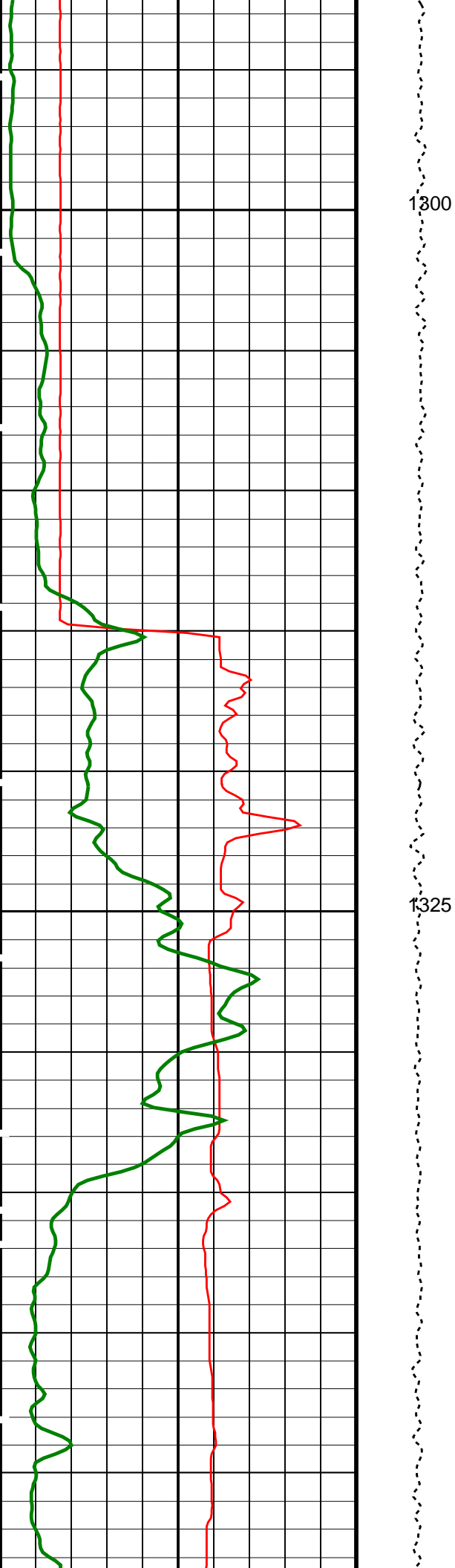
Time Mark Every 60 S

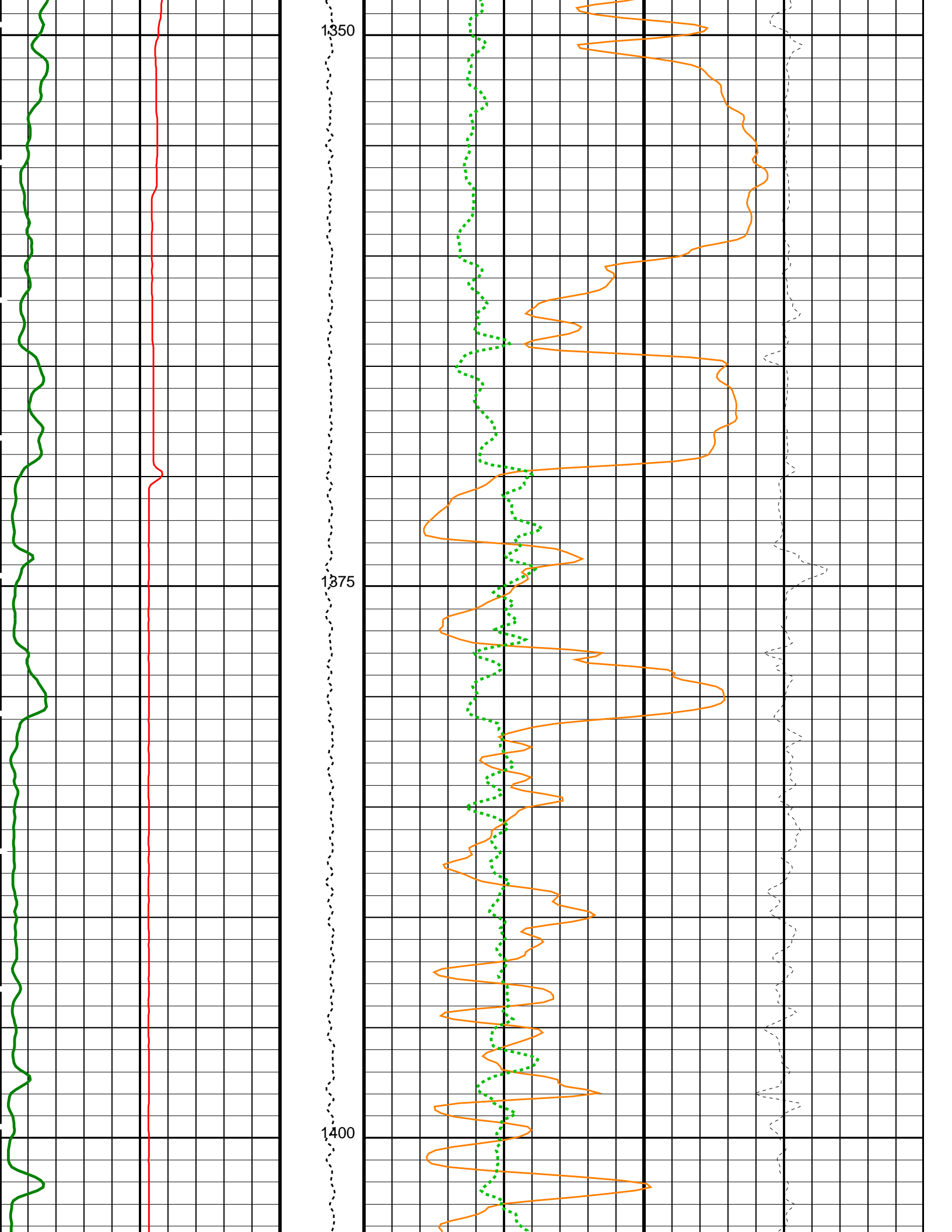
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 150	HLDS Long Spaced Photoelectric Effect (PEFL) (----) 0 10	HLDS Bulk Density Correction (DRH) (G/C3) -0.25 0.25
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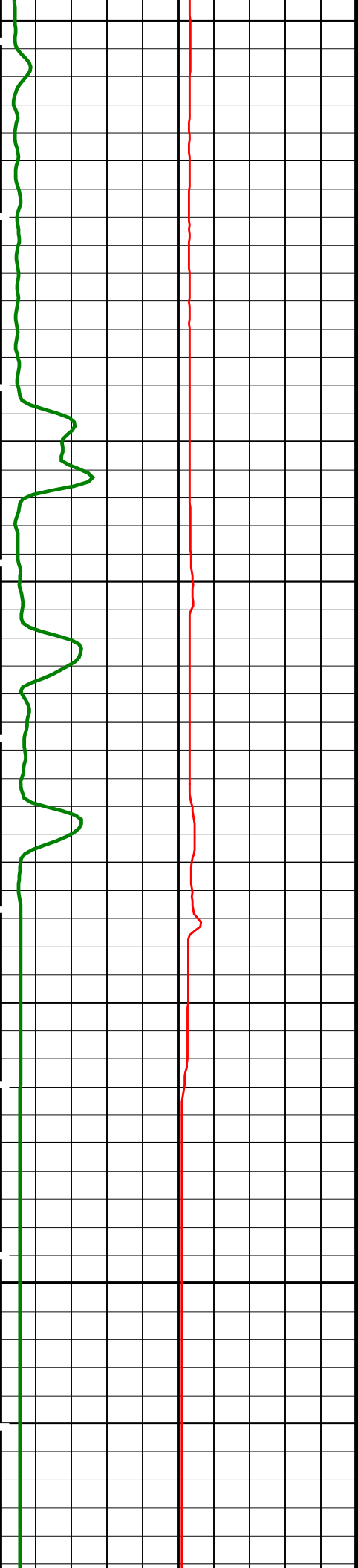
HLDS Caliper (LCAL) (IN) 0 20	Tension (TENS) (LBF) 0 5000	HLDS Bulk Density (RHOM) (G/C3) 3 1
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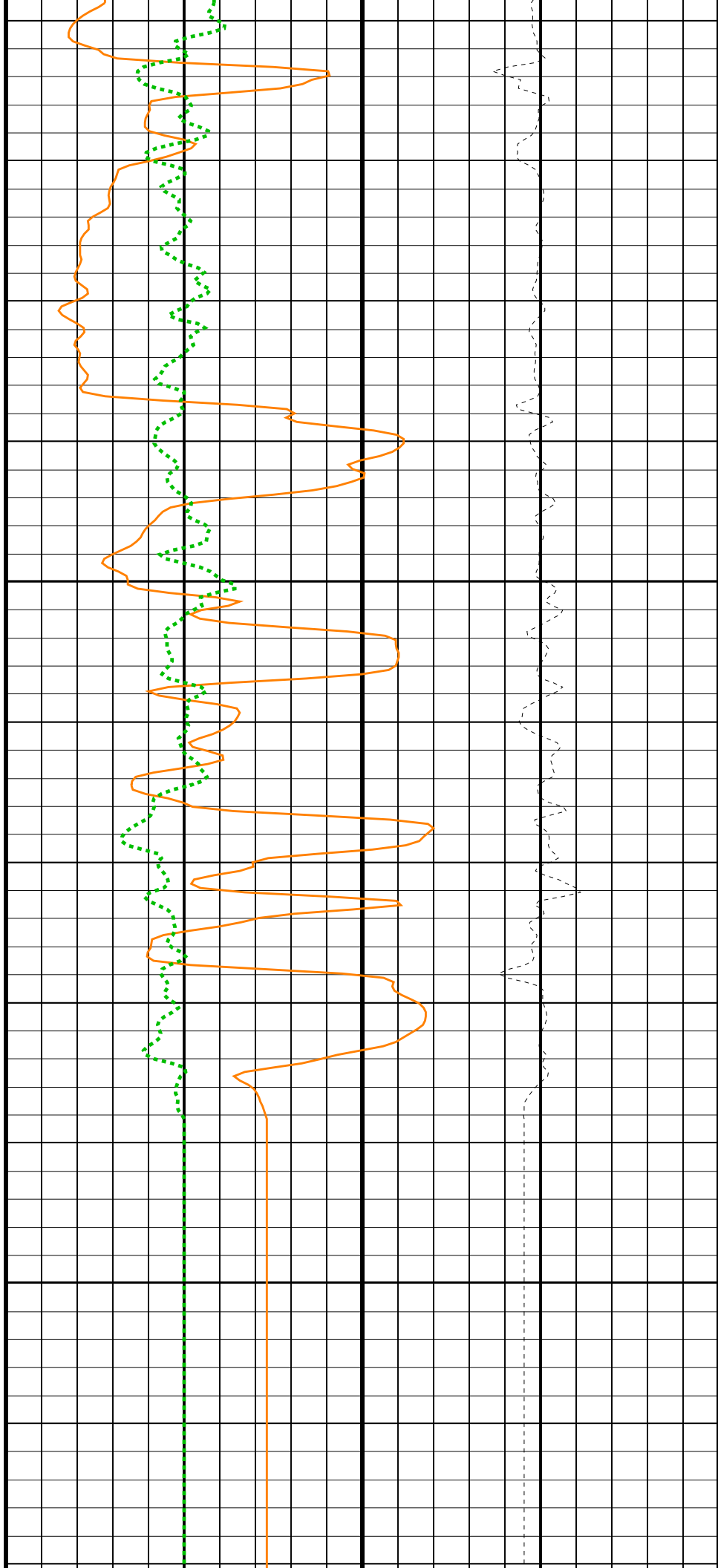






1425

1450



HLDS Caliper (LCAL) 0 (IN) 20		Tension (TENS) (LBF) 0 5000	HLDS Bulk Density (RHOM) (G/C3) 3 1	
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 150		HLDS Long Spaced Photoelectric Effect (PEFL) (----) 0 10		HLDS Bulk Density Correction (DRH) (G/C3) -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	-0.000848683
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	1.06071
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.08597
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: 09-Sep-2021 11:58

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_016LUP	FN:17	PRODUCER	09-Sep-2021 11:58
RTB	MSS_LDEO_HRLA_LDL_016LUP	FN:18	PRODUCER	09-Sep-2021 11:58

Company: International Ocean Discovery Program Well: Expedition 396, Site U1571A

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_016LUP	FN:17	PRODUCER	09-Sep-2021 11:58	1463.0 M	1209.3 M
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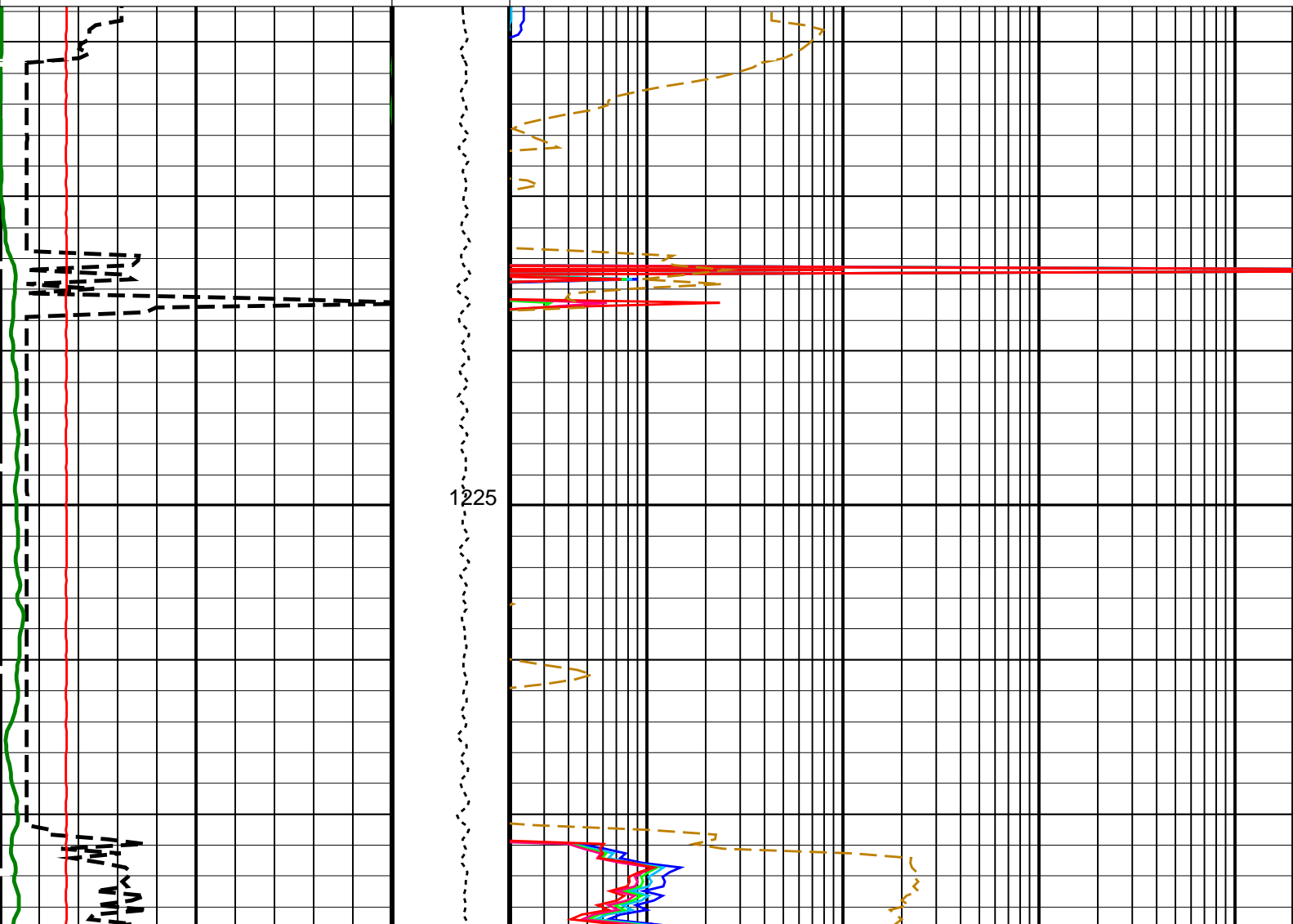
OP System Version: 19C0-187

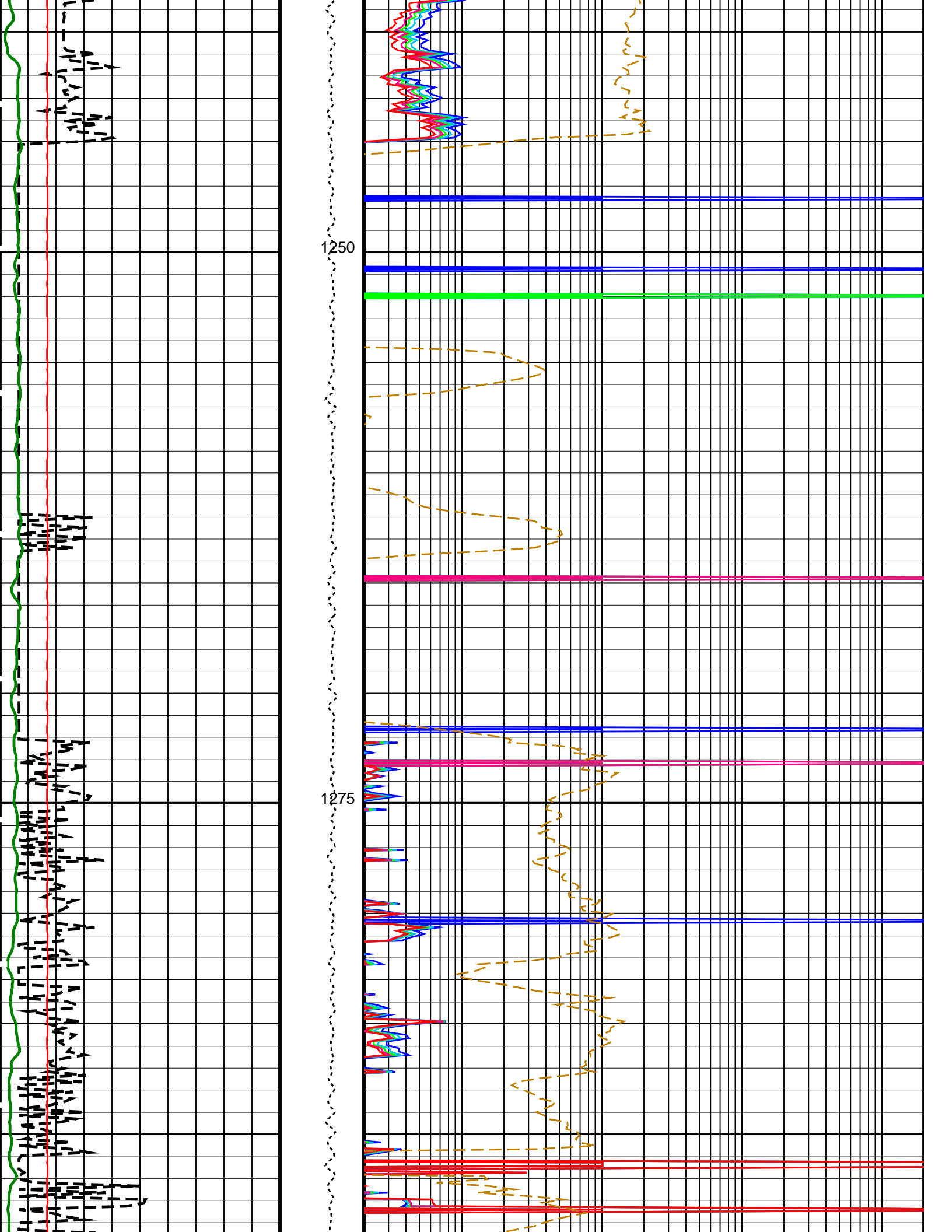
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

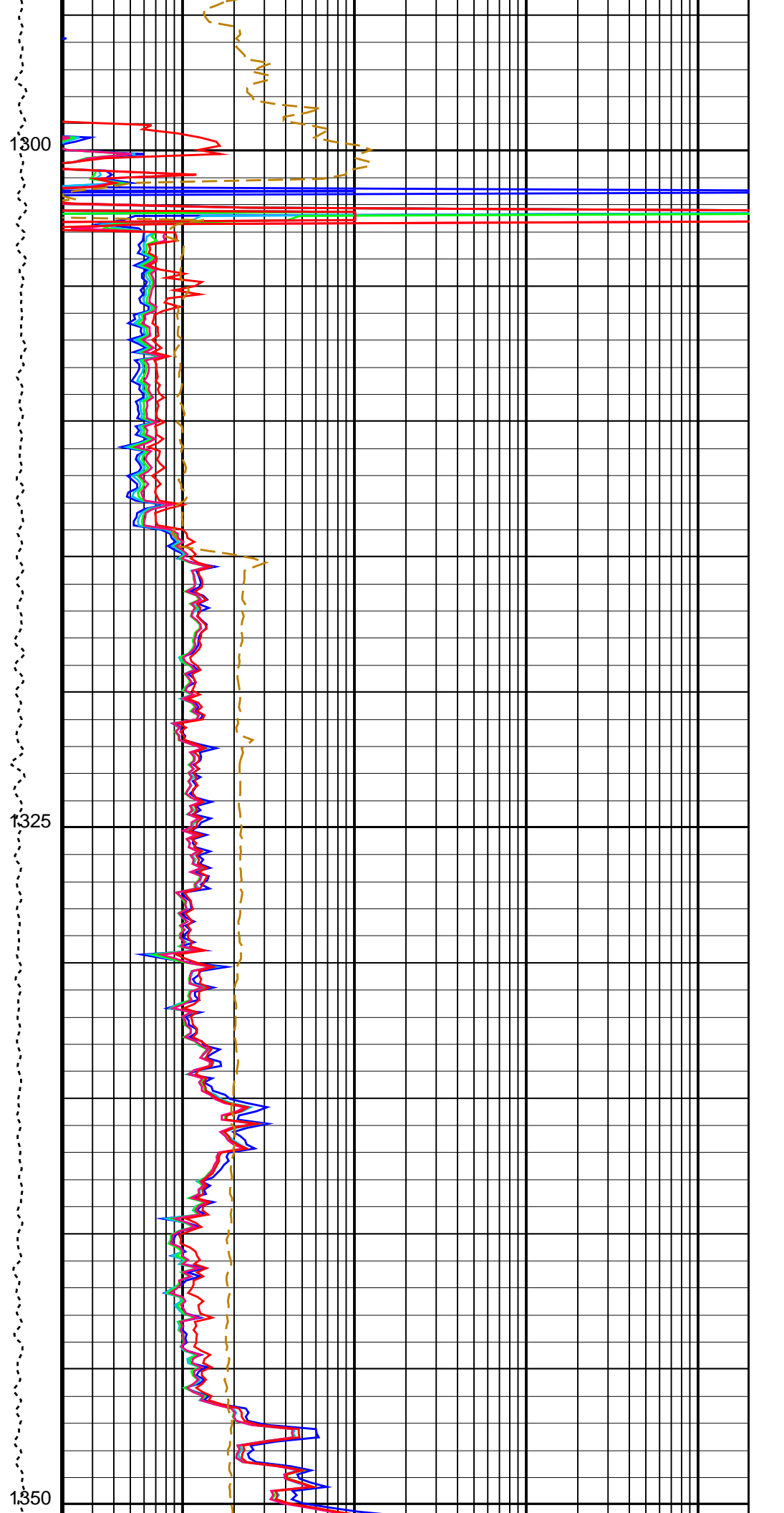
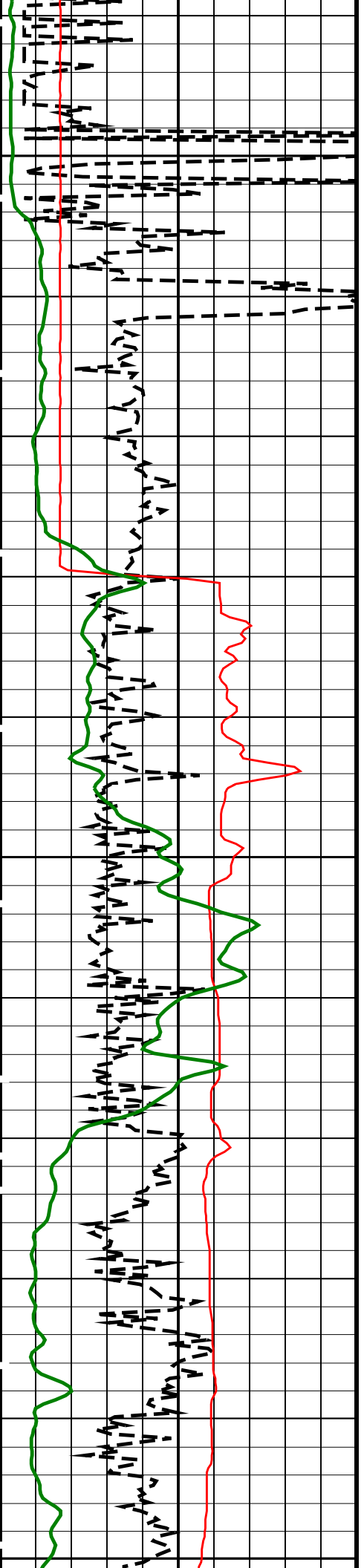
PIP SUMMARY

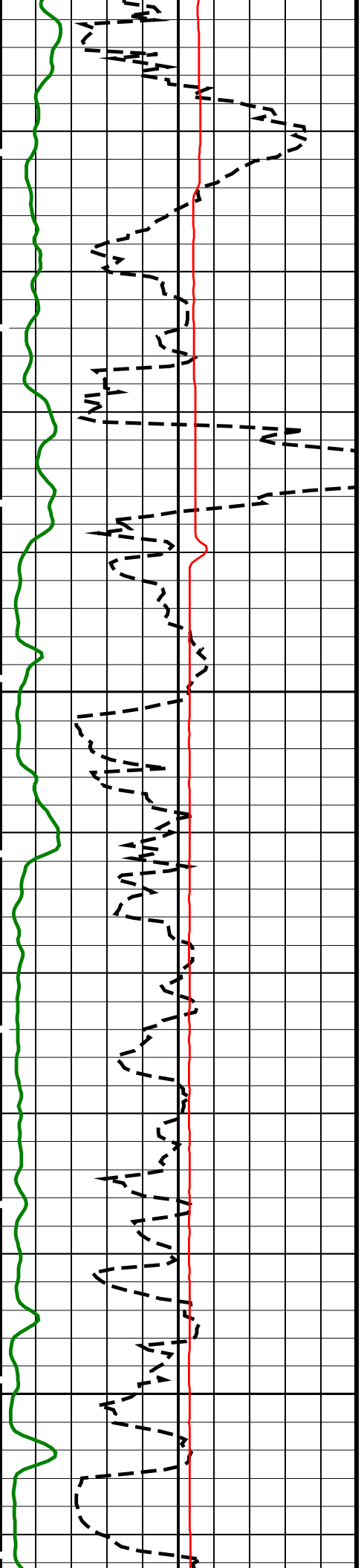
Time Mark Every 60 S

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



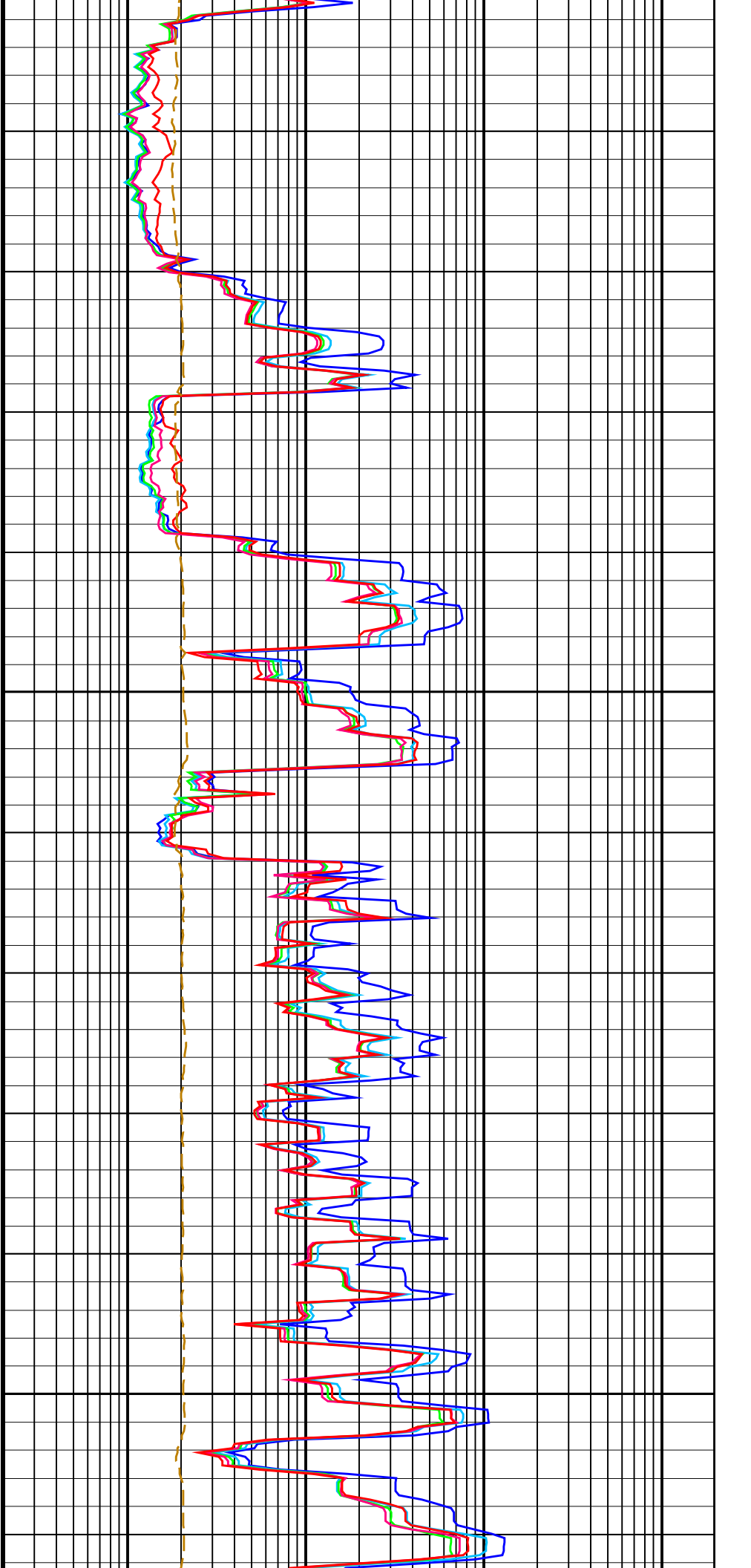


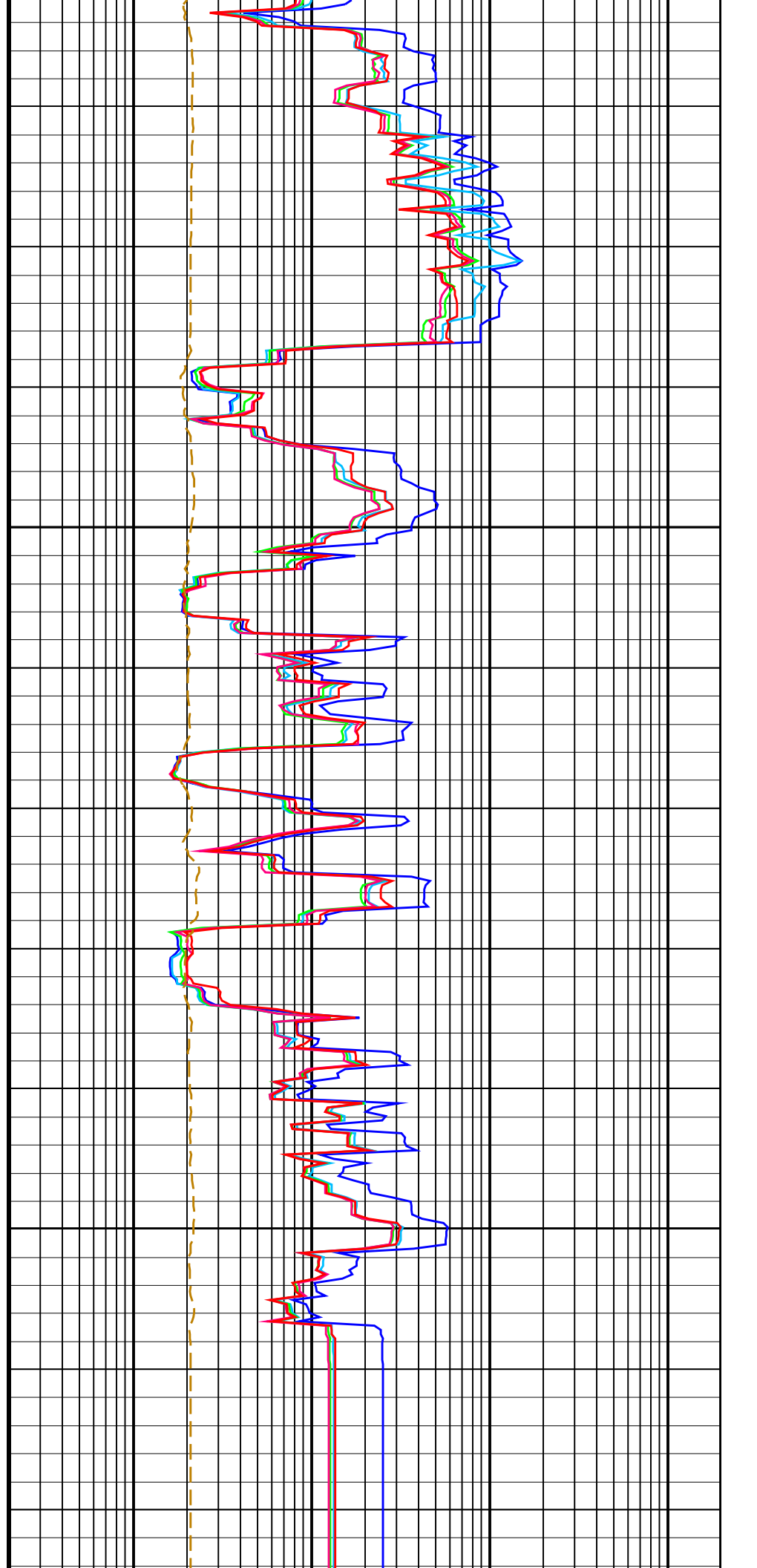
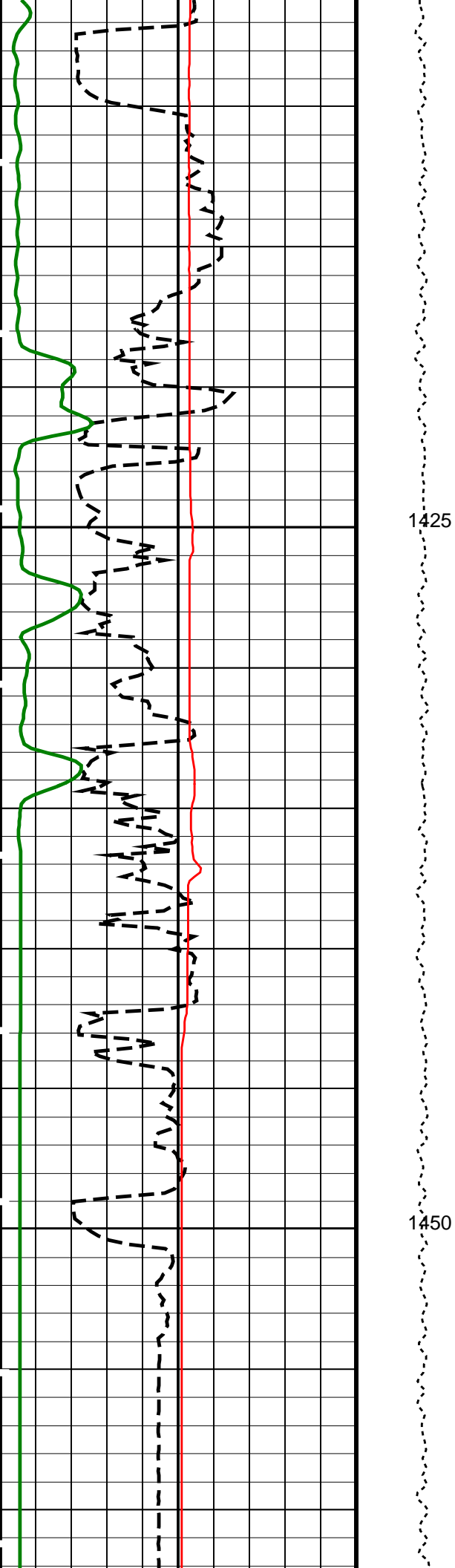




1375

1400





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
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
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	-0.000848683
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	1.06071
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.08597
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.26 G/C3
MST	Mud Sample Temperature	23.00 DEGC
TD	Total Depth	2292 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		

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_016LUP	FN:17	PRODUCER	09-Sep-2021 11:58
RTB	MSS_LDEO_HRLA_LDL_016LUP	FN:18	PRODUCER	09-Sep-2021 11:58

Company: International Ocean Discovery Program Well: Expedition 396, Site U1571A

Output DLIS Files

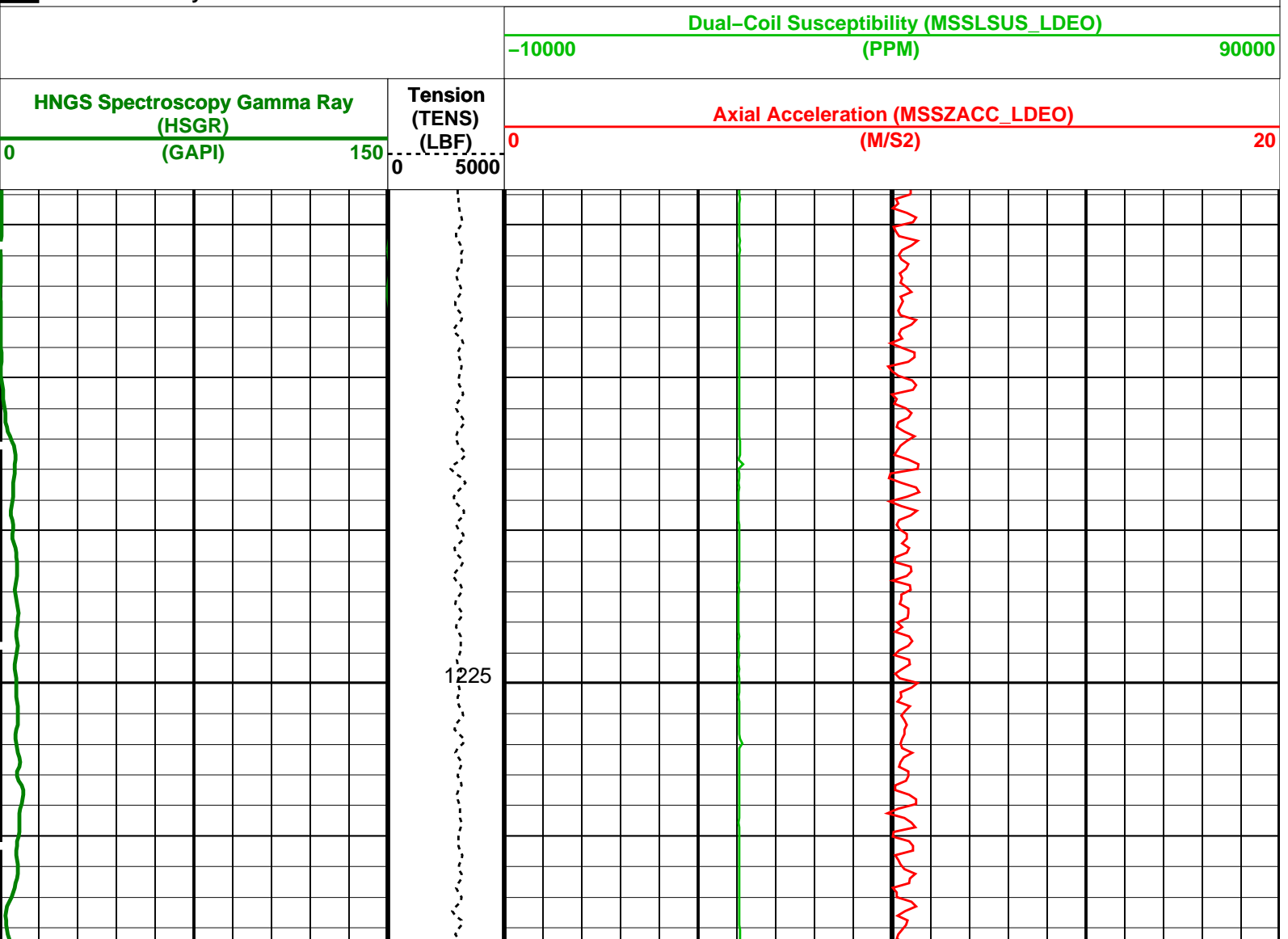
DEFAULT	MSS_LDEO_HRLA_LDL_016LUP	FN:17	PRODUCER	09-Sep-2021 11:58	1463.0 M	1209.3 M
RTB	MSS_LDEO_HRLA_LDL_016LUP	FN:18	PRODUCER	09-Sep-2021 11:58	1463.0 M	1209.3 M

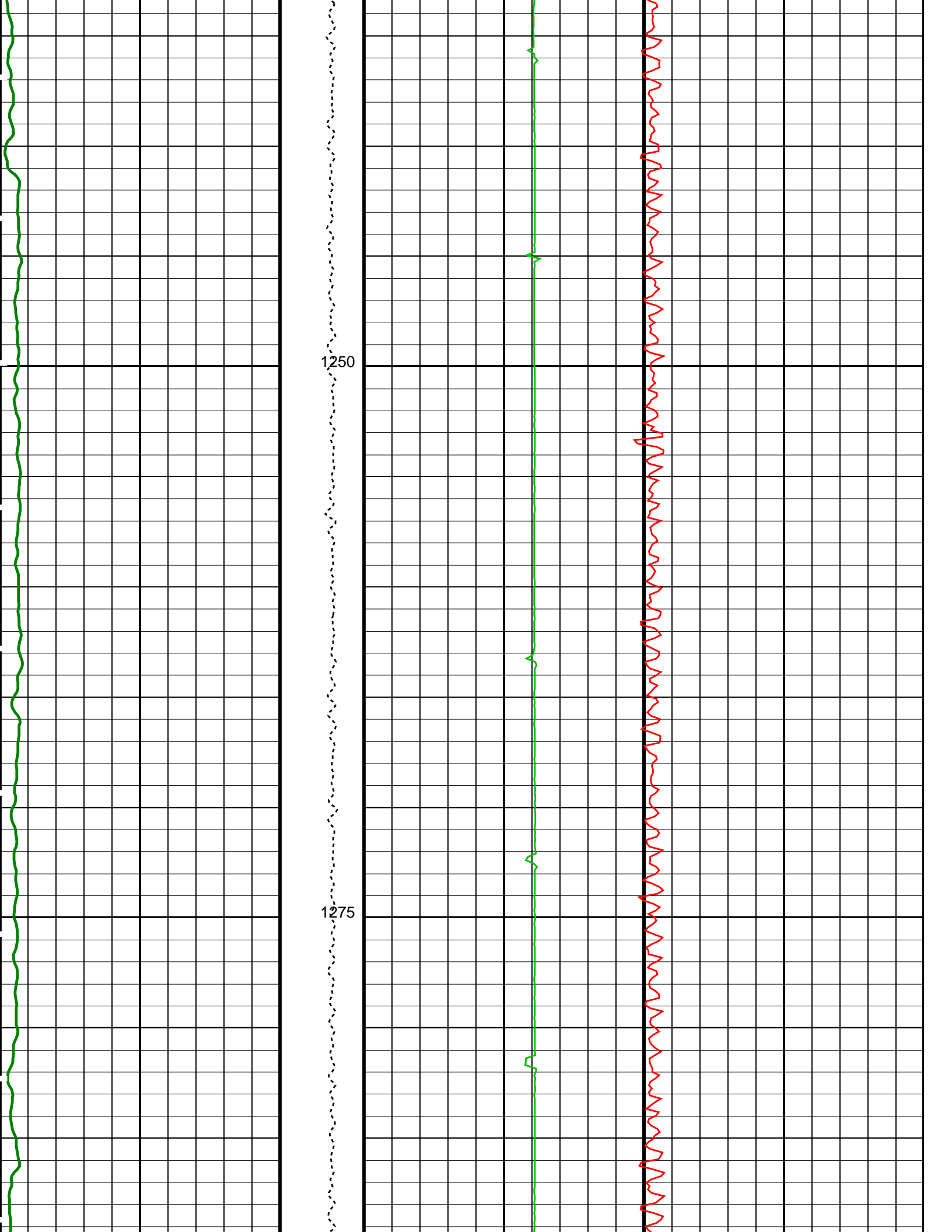
OP System Version: 19C0-187

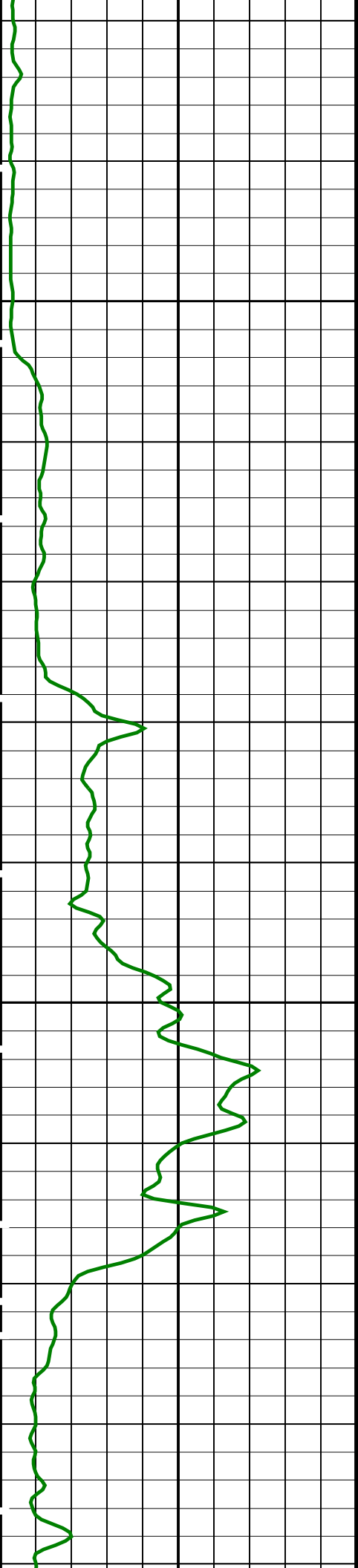
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

PIP SUMMARY

Time Mark Every 60 S

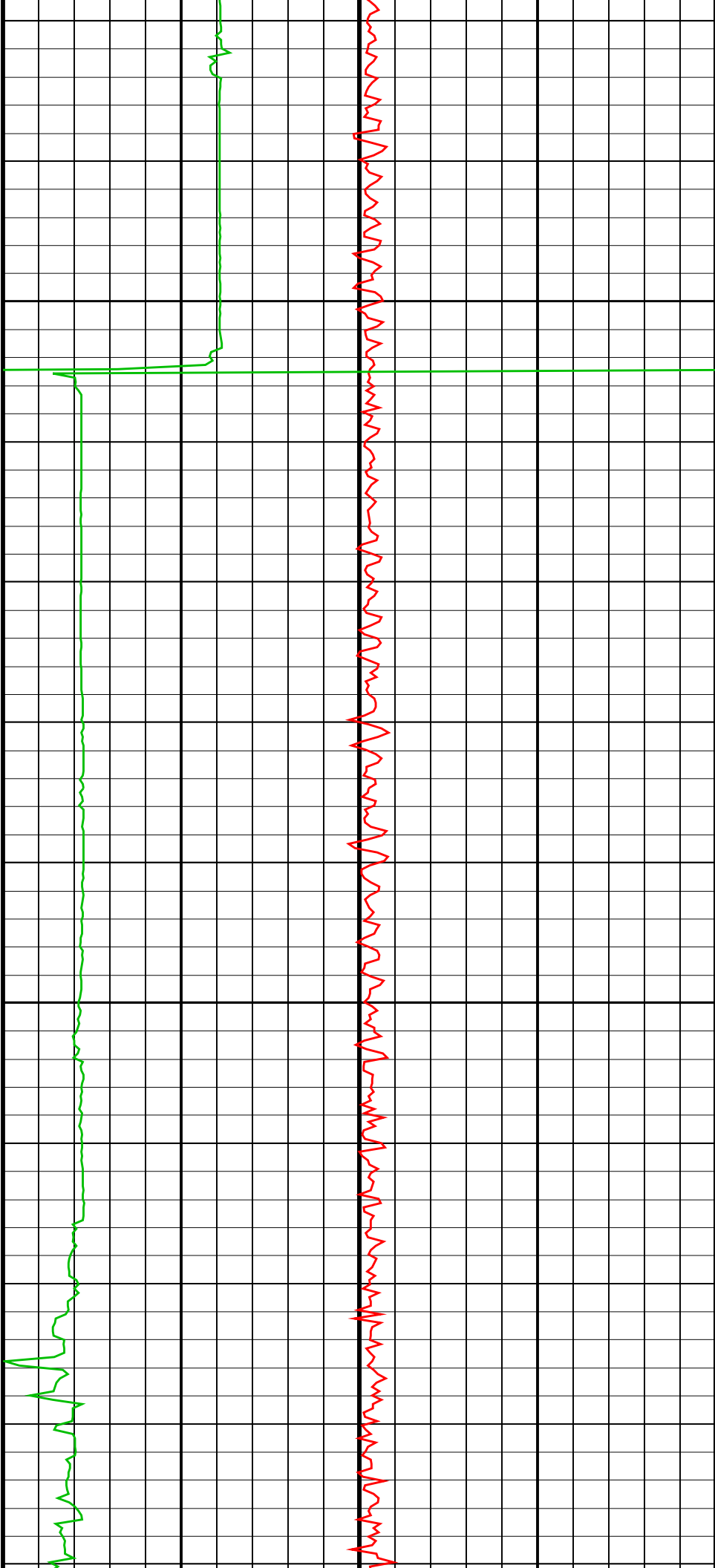


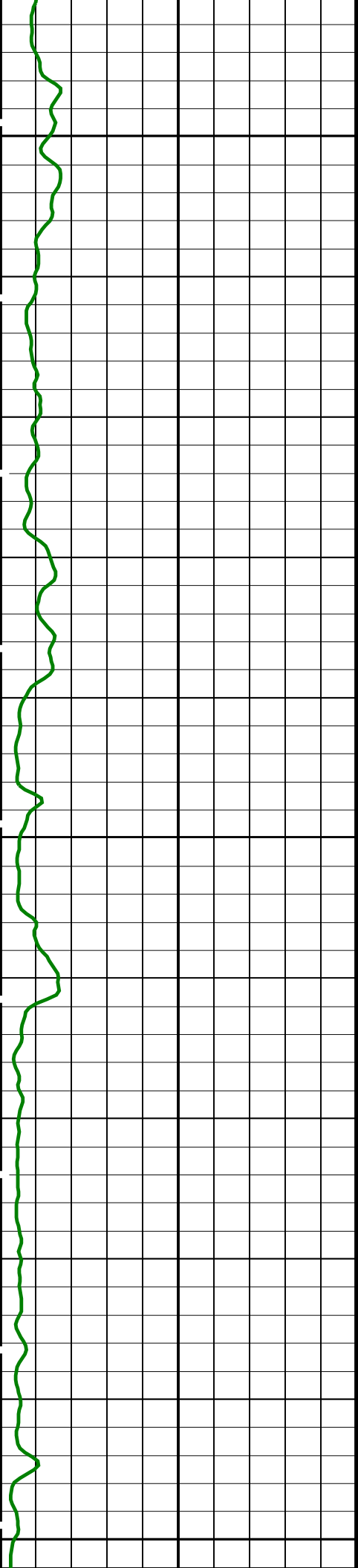




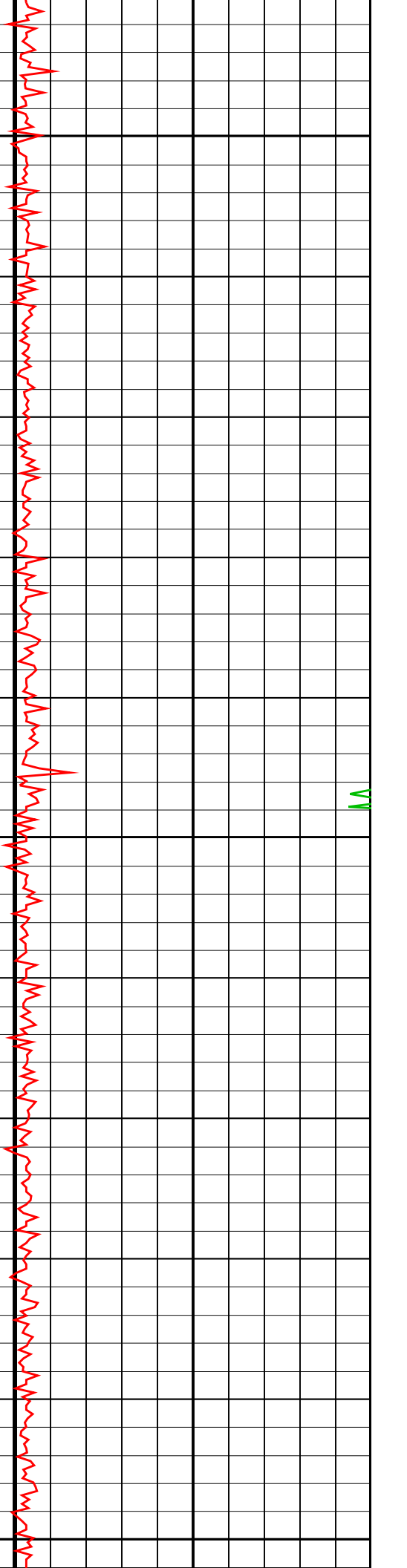
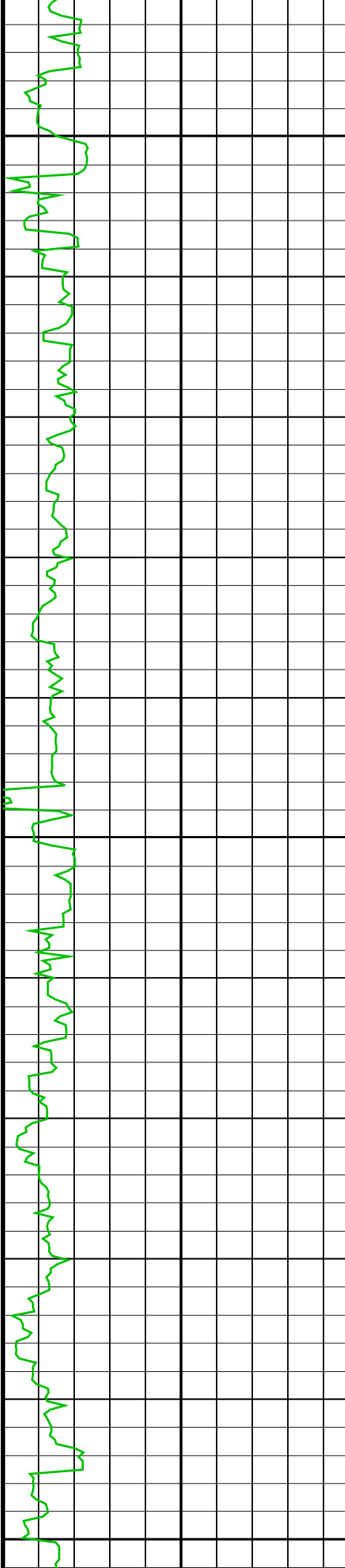
1300

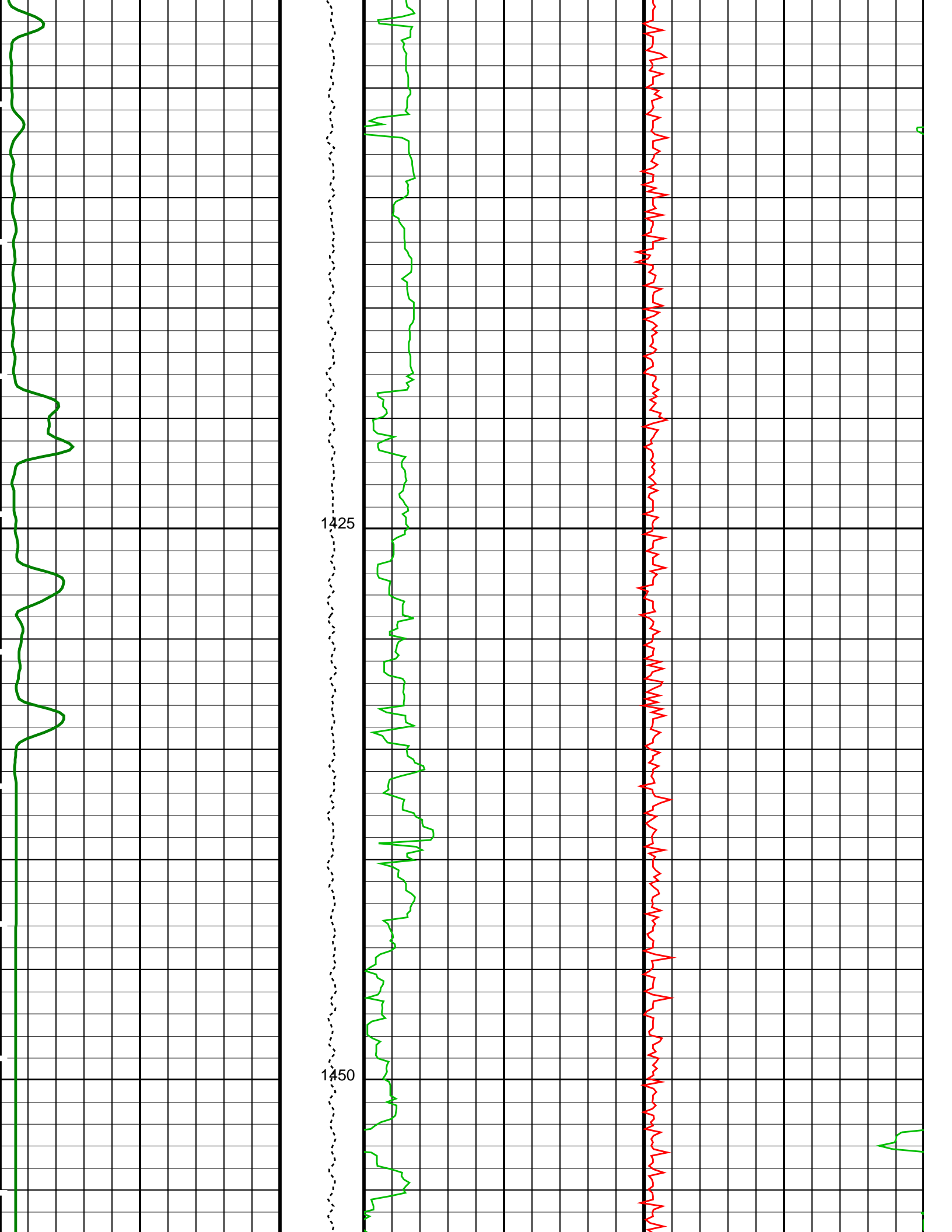
1325

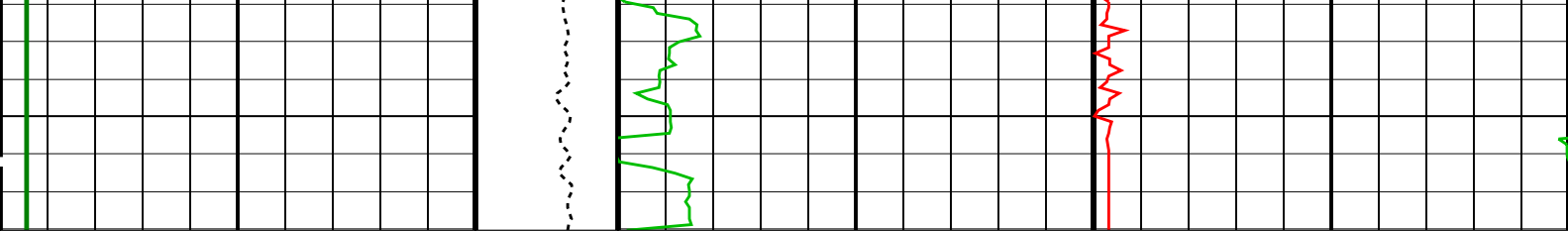




1350
1375
1400







HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	0	150	Tension (TENS) (LBF)	0	5000	Axial Acceleration (MSSZACC_LDEO) (M/S2)	0	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	-0.000848683	
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	1.06071	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.08597	
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: 09-Sep-2021 11:58

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_016LUP	FN:17	PRODUCER	09-Sep-2021 11:58
RTB	MSS_LDEO_HRLA_LDL_016LUP	FN:18	PRODUCER	09-Sep-2021 11:58

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: 9-Sep-2021 10:02 After: 9-Sep-2021 13:31							
HRLT M0–M1 Voltage Plus – 0	0	N/A	-318.6	-318.6	-0.005493	9.681	UV
HRLT M0–M1 Voltage Plus – 1	0	N/A	-329.7	-330.2	-0.4967	9.681	UV
HRLT M0–M1 Voltage Plus – 2	0	N/A	-337.4	-337.2	0.2227	9.681	UV
HRLT M0–M1 Voltage Plus – 3	0	N/A	-328.0	-328.4	-0.4185	9.681	UV
HRLT M0–M1 Voltage Plus – 4	0	N/A	-319.7	-319.9	-0.1586	9.681	UV
HRLT M0–M1 Voltage Plus – 5	0	N/A	-321.5	-321.6	-0.08450	9.681	UV
HRLT M0–M1 Voltage Plus – 6	0	N/A	318.9	319.2	0.3032	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: 9-Sep-2021 10:02 After: 9-Sep-2021 13:31							
HRLT M1–M2 Voltage Plus – 0	0	N/A	1738	1739	0.2095	53.42	UV
HRLT M1–M2 Voltage Plus – 1	0	N/A	1807	1809	2.321	53.42	UV
HRLT M1–M2 Voltage Plus – 2	0	N/A	1841	1840	-1.365	53.42	UV
HRLT M1–M2 Voltage Plus – 3	0	N/A	1788	1790	1.992	53.42	UV
HRLT M1–M2 Voltage Plus – 4	0	N/A	1742	1742	0.5934	53.42	UV
HRLT M1–M2 Voltage Plus – 5	0	N/A	1752	1752	0.3652	53.42	UV
HRLT M1–M2 Voltage Plus – 6	0	N/A	-1755	-1757	-1.553	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: 9-Sep-2021 10:02 After: 9-Sep-2021 13:31							
HRLT M2–M3 Voltage Plus – 0	0	N/A	1731	1731	0.4761	53.42	UV
HRLT M2–M3 Voltage Plus – 1	0	N/A	1808	1811	2.386	53.42	UV
HRLT M2–M3 Voltage Plus – 2	0	N/A	1845	1844	-1.342	53.42	UV
HRLT M2–M3 Voltage Plus – 3	0	N/A	1796	1798	2.499	53.42	UV
HRLT M2–M3 Voltage Plus – 4	0	N/A	1744	1745	0.8494	53.42	UV
HRLT M2–M3 Voltage Plus – 5	0	N/A	1755	1756	0.6368	53.42	UV
HRLT M2–M3 Voltage Plus – 6	0	N/A	-1746	-1748	-1.680	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: 9-Sep-2021 10:02 After: 9-Sep-2021 13:31							
HRLT A3–A4 Voltage Plus – 0	0	N/A	68590	68630	32.61	2100	UV
HRLT A3–A4 Voltage Plus – 1	0	N/A	71540	71650	114.3	2100	UV
HRLT A3–A4 Voltage Plus – 2	0	N/A	73260	73240	-25.46	2100	UV
HRLT A3–A4 Voltage Plus – 3	0	N/A	71560	71670	108.5	2100	UV
HRLT A3–A4 Voltage Plus – 4	0	N/A	69440	69490	46.80	2100	UV
HRLT A3–A4 Voltage Plus – 5	0	N/A	69900	69940	38.83	2100	UV
HRLT A3–A4 Voltage Plus – 6	0	N/A	-68110	-68170	-58.08	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: 9-Sep-2021 10:02 After: 9-Sep-2021 13:31							
HRLT A4–A5 Voltage Plus – 0	0	N/A	68690	68710	20.70	2100	UV
HRLT A4–A5 Voltage Plus – 1	0	N/A	71750	71870	116.1	2100	UV
HRLT A4–A5 Voltage Plus – 2	0	N/A	73450	73420	-27.93	2100	UV
HRLT A4–A5 Voltage Plus – 3	0	N/A	71720	71830	107.8	2100	UV
HRLT A4–A5 Voltage Plus – 4	0	N/A	69550	69590	36.77	2100	UV
HRLT A4–A5 Voltage Plus – 5	0	N/A	70000	70030	31.07	2100	UV
HRLT A4–A5 Voltage Plus – 6	0	N/A	-68310	-68370	-59.80	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: 9-Sep-2021 10:02 After: 9-Sep-2021 13:31							
HRLT A5–A6 Voltage Plus – 0	0	N/A	68540	68560	16.94	2100	UV
HRLT A5–A6 Voltage Plus – 1	0	N/A	71600	71700	100.6	2100	UV
HRLT A5–A6 Voltage Plus – 2	0	N/A	73320	73260	-59.98	2100	UV
HRLT A5–A6 Voltage Plus – 3	0	N/A	71580	71670	92.60	2100	UV
HRLT A5–A6 Voltage Plus – 4	0	N/A	69410	69450	33.43	2100	UV
HRLT A5–A6 Voltage Plus – 5	0	N/A	69870	69900	23.94	2100	UV
HRLT A5–A6 Voltage Plus – 6	0	N/A	-68160	-68220	-63.27	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							

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VDP

Before: 9-Sep-2021 10:02 After: 9-Sep-2021 13:31

HRLT Torpedo-M0 Voltage - 0	0	N/A	-68080	-68100	-19.77	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-71410	-71490	-87.80	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-73150	-73100	47.71	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-71500	-71590	-91.14	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-69390	-69420	-31.27	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-69840	-69860	-24.72	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	67920	67980	60.20	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: 9-Sep-2021 10:02 After: 9-Sep-2021 13:31

HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68110	-68130	-21.56	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-71490	-71590	-104.3	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-73250	-73200	48.49	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-71570	-71670	-91.86	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-69440	-69470	-31.28	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-69870	-69900	-29.06	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	68010	68070	65.13	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: 9-Sep-2021 10:02 After: 9-Sep-2021 13:31

HRLT Source Current Plus - 0	0	N/A	284.2	284.2	0.03940	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: 9-Sep-2021 10:02 After: 9-Sep-2021 13:31

HRLT Vertical Voltage PI - 0	0	N/A	-320.6	-320.3	0.2594	9.681	UV
HRLT Vertical Voltage PI - 1	0	N/A	-324.7	-324.9	-0.2177	9.681	UV
HRLT Vertical Voltage PI - 2	0	N/A	-331.0	-330.5	0.5528	9.681	UV
HRLT Vertical Voltage PI - 3	0	N/A	-320.0	-320.1	-0.08060	9.681	UV
HRLT Vertical Voltage PI - 4	0	N/A	-309.0	-308.9	0.1237	9.681	UV
HRLT Vertical Voltage PI - 5	0	N/A	-325.6	-325.4	0.1791	9.681	UV
HRLT Vertical Voltage PI - 6	0	N/A	326.6	326.8	0.1860	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: 9-Sep-2021 10:05 After: 9-Sep-2021 13:35

SS Cs Resolution Bkg	9.000	7.698	7.703	7.690	-0.01328	1.800	%
LS Cs Resolution Bkg	9.000	7.989	7.978	8.019	0.04087	1.800	%
LSW1 Background	100.0	71.96	70.38	70.47	0.09118	3.000	CPS
LSW2 Background	100.0	65.02	64.58	63.52	-1.057	3.000	CPS
LSW3 Background	200.0	146.1	144.8	144.3	-0.4597	6.000	CPS
LSW4 Background	250.0	183.2	180.8	180.4	-0.4252	7.500	CPS
LSW5 Background	600.0	424.9	420.1	421.2	1.040	18.00	CPS
SSW1 Background	100.0	68.97	69.08	68.56	-0.5165	3.000	CPS
SSW2 Background	200.0	118.2	117.7	117.8	0.1302	6.000	CPS
SSW3 Background	500.0	331.3	330.1	328.9	-1.180	15.00	CPS
SSW4 Background	270.0	178.4	177.3	177.1	-0.1587	8.100	CPS
SSW5 Background	200.0	127.4	127.0	127.1	0.1198	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: 9-Sep-2021 10:06 After: 9-Sep-2021 13:35

Na 511 Peak Loc	40.00	39.25	39.63	39.78	0.1486	1.000	
Na 511 Peak Res	15.50	16.53	14.91	16.74	1.837	2.000	%
High Voltage	1150	1197	1172	1174	1.904	N/A	V
Na 1785 Peak Loc	142.6	141.8	142.7	142.7	0.004044	7.000	
Na 1785 Peak Res	8.500	8.905	9.365	8.178	-1.187	2.000	%
Temperature	15.50	26.59	13.81	13.78	-0.02595	N/A	DEGC
Na Count Rate	45.00	12.01	9.905	10.91	1.009	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: Calibration out of date 2-May-2021 10:04 Before: 9-Sep-2021 10:06 After: 9-Sep-2021 13:35

Na 511 Peak Loc	40.00	39.88	39.64	39.70	0.05802	1.000	
Na 511 Peak Res	15.50	15.29	15.01	15.60	0.5940	2.000	%
High Voltage	1150	1122	1099	1100	0.4370	N/A	V
Na 1785 Peak Loc	142.6	142.6	142.9	143.5	0.5947	7.000	
Na 1785 Peak Res	8.500	8.040	9.948	8.474	-1.474	2.000	%
Temperature	15.50	27.21	14.41	15.08	0.6698	N/A	DEGC
Na Count Rate	45.00	12.32	10.14	10.96	0.8186	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: 9-Sep-2021 10:06 After: 9-Sep-2021 13:35

Coincidence Count Rate Ratio	1.000	0.9728	0.9813	0.9994	0.01810	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		-318.6	-322.7	-280.7	-379.7
	After		-318.6			
1	Before		-329.7	-322.7	-280.7	-379.7
	After		-330.2			
2	Before		-337.4	-322.7	-280.7	-379.7
	After		-337.2			
3	Before		-328.0	-322.7	-280.7	-379.7
	After		-328.4			
4	Before		-319.7	-322.7	-280.7	-379.7
	After		-319.9			
5	Before		-321.5	-322.7	-280.7	-379.7
	After		-321.6			
6	Before		318.9	322.7	379.7	280.7
	After		319.2			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			

(Minimum)	(Nominal)	(Maximum)
Before: 9-Sep-2021 10:02		
After: 9-Sep-2021 13:31		

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M12						
Idx	Phase	HRLT M1–M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1738	1781	2095	1549
	After		1739			
1	Before		1807	1781	2095	1549
	After		1809			
2	Before		1841	1781	2095	1549
	After		1840			
3	Before		1788	1781	2095	1549
	After		1790			
4	Before		1742	1781	2095	1549
	After		1742			
5	Before		1752	1781	2095	1549
	After		1752			
6	Before		-1755	-1781	-1549	-2095
	After		-1757			
7	Before		1781	1781	2095	1549
	After		1781			
		(Minimum) (Nominal) (Maximum)				
Before: 9-Sep-2021 10:02						
After: 9-Sep-2021 13:31						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2–M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1731	1781	2095	1549
	After		1731			
1	Before		1808	1781	2095	1549
	After		1811			
2	Before		1845	1781	2095	1549
	After		1844			
3	Before		1796	1781	2095	1549
	After		1798			
4	Before		1744	1781	2095	1549
	After		1745			
5	Before		1755	1781	2095	1549
	After		1756			
6	Before		-1746	-1781	-1549	-2095
	After		-1748			
7	Before		1781	1781	2095	1549
	After		1781			
		(Minimum) (Nominal) (Maximum)				
Before: 9-Sep-2021 10:02						
After: 9-Sep-2021 13:31						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V34						
Idx	Phase	HRLT A3–A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68590	70000	82360	60900
	After		68630			
1	Before		71540	70000	82360	60900
	After		71650			
2	Before		73260	70000	82360	60900
	After		73240			
3	Before		71560	70000	82360	60900
	After		71670			
4	Before		69440	70000	82360	60900
	After		69490			
5	Before		69900	70000	82360	60900
	After		69940			
6	Before		-68110	-70000	-60900	-82360
	After		-68170			
7	Before		70000	70000	82360	60900
	After		70000			
		(Minimum) (Nominal) (Maximum)				
Before: 9-Sep-2021 10:02						
After: 9-Sep-2021 13:31						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68690	70000	82360	60900
	After		68710			
1	Before		71750	70000	82360	60900
	After		71870			
2	Before		73450	70000	82360	60900
	After		73420			
3	Before		71720	70000	82360	60900
	After		71830			
4	Before		69550	70000	82360	60900
	After		69590			
5	Before		70000	70000	82360	60900
	After		70030			
6	Before		-68310	-70000	-60900	-82360
	After		-68370			
7	Before		70000	70000	82360	60900
	After		70000			
		(Minimum) (Nominal) (Maximum)				
Before: 9-Sep-2021 10:02						
After: 9-Sep-2021 13:31						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						

HRLT V50						
Idx	Phase	HRLT A5-A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68540	70000	82360	60900
	After		68560			
1	Before		71600	70000	82360	60900
	After		71700			
2	Before		73320	70000	82360	60900
	After		73260			
3	Before		71580	70000	82360	60900
	After		71670			
4	Before		69410	70000	82360	60900
	After		69450			
5	Before		69870	70000	82360	60900
	After		69900			
6	Before		-68160	-70000	-60900	-82360
	After		-68220			
7	Before		70000	70000	82360	60900
	After		70000			
		(Minimum) (Nominal) (Maximum)				
Before: 9-Sep-2021 10:02						
After: 9-Sep-2021 13:31						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT VTP						
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68080	-70000	-60900	-82360
	After		-68100			
1	Before		-71410	-70000	-60900	-82360
	After		-71490			
2	Before		-73150	-70000	-60900	-82360
	After		-73100			
3	Before		-71500	-70000	-60900	-82360
	After		-71590			
4	Before		-69390	-70000	-60900	-82360
	After		-69420			
5	Before		-69840	-70000	-60900	-82360
	After		-69860			
6	Before		67920	70000	82360	60900
	After		67980			
7	Before		-70000	-70000	-60900	-82360
	After		-70000			
		(Minimum) (Nominal) (Maximum)				
Before: 9-Sep-2021 10:02						
After: 9-Sep-2021 13:31						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT VBD						
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68110	-70000	-60900	-82360
	After		-68110			

1	After		-68130	-70000	-60900	-82360
	Before		-71490			
2	After		-73250	-70000	-60900	-82360
	Before		-73200			
3	After		-71570	-70000	-60900	-82360
	Before		-71670			
4	After		-69440	-70000	-60900	-82360
	Before		-69470			
5	After		-69870	-70000	-60900	-82360
	Before		-69900			
6	After		68010	70000	82360	60900
	Before		68070			
7	After		-70000	-70000	-60900	-82360
	Before		-70000			
			(Minimum)	(Nominal)	(Maximum)	

Before: 9-Sep-2021 10:02
 After: 9-Sep-2021 13:31

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

Before: 9-Sep-2021 10:02
 After: 9-Sep-2021 13:31

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	After		-320.6	-322.7	-280.7	-379.7
	Before		-320.3			
1	After		-324.7	-322.7	-280.7	-379.7
	Before		-324.7			

2	After		-324.9	-322.7	-280.7	-379.7
	Before		-331.0			
3	After		-330.5	-322.7	-280.7	-379.7
	Before		-320.0			
4	After		-308.9	-322.7	-280.7	-379.7
	Before		-309.0			
5	After		-325.4	-322.7	-280.7	-379.7
	Before		-325.6			
6	After		326.8	322.7	379.7	280.7
	Before		326.6			
7	After		-322.7	-322.7	-280.7	-379.7
	Before		-322.7			
		(Minimum) (Nominal) (Maximum)				
Before: 9-Sep-2021 10:02						
After: 9-Sep-2021 13:31						

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		7.703	Before		7.978	Before		70.38
After		7.690	After		8.019	After		70.47
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		64.58	Before		144.8	Before		180.8
After		63.52	After		144.3	After		180.4
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		420.1	Before		69.08	Before		117.7
After		421.2	After		68.56	After		117.8
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		330.1	Before		177.3	Before		127.0
After		328.9	After		177.1	After		127.1
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)		

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: HNGC Housing	HNGH - A	3

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment: HNGS Sonde	HNGS - BA	99
Auxiliary Equipment: HNGS Sonde Housing Gamma Source Radioactive	HNSH - BA GSR - U	102 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		39.63	Before		14.91	Before		1172
After		39.78	After		16.74	After		1174
	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		142.7	Before		9.365	Before		13.81
After		142.7	After		8.178	After		13.78
	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		9.905						
After		10.91						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

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		39.64	Before		15.01	Before		1099
After		39.70	After		15.60	After		1100
	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		9.948	Before		14.41
After		143.5	After		8.474	After		15.08
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							10.14	
After							10.96	
10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)						
Master: Calibration out of date 2-May-2021 10:04			Before: 9-Sep-2021 10:06			After: 9-Sep-2021 13:35		

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9728
Before		0.9813
After		0.9994
0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: Calibration out of date 2-May-2021 10:04		
Before: 9-Sep-2021 10:06		
After: 9-Sep-2021 13:35		

DTS Telemetry Tool / Equipment Identification		
Primary Equipment:		
DTC-H Auxiliary Cartridge	DTCH - A	8799
DTC-H Telemetry Cartridge	DTCH - A	8799
Auxiliary Equipment:		
DTCH Telemetry Cartridge Housing	ECH - KC	9842

Company:	International Ocean Discovery Program	Schlumberger
Well:	Expedition 396, Site U1571A	
Field:	Mid-Norwegian Cont. Margin Magmatism	
Rig:	JOIDES Resolution	
Country:	Iceland	
High Resolution Laterolog (HRLA) Litho Density (HLDS) Natural Gamma / MSS (HNGS)		