

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1

OS1: FMS
OS2: DSI

REMARKS: RUN NUMBER 1

Hole drilled with APC/XCB bottom hole assembly (BHA) at 11.4375" BS

Drill pipe set at 1798mbrf (84mbsf) for logging.

Fluid type was seawater 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.

Caliper closed at 1835mbrf; no valid density or caliper measurements above that depth.

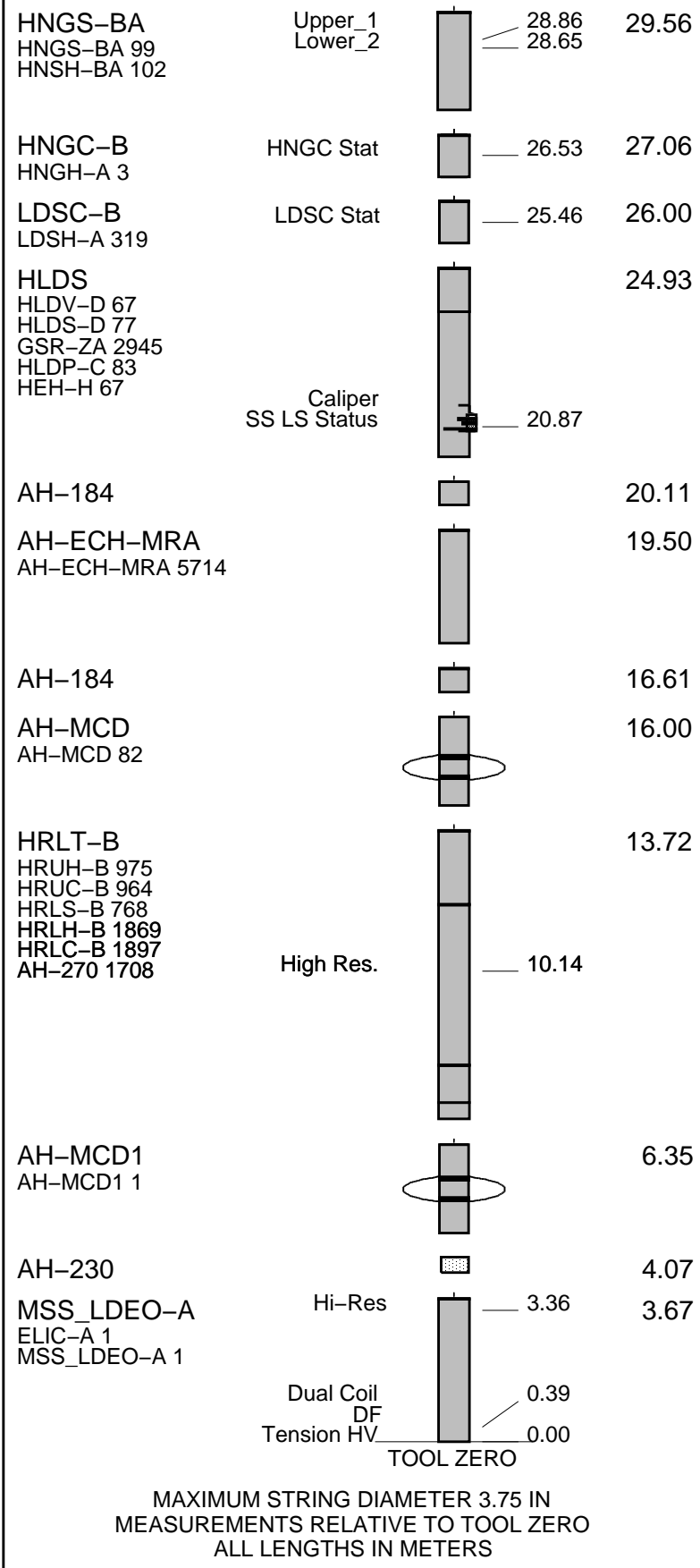
Downlog flipped and note the caliper closed logging down.

Table with columns for RUN 1 and RUN 2, including SERVICE ORDER #, PROGRAM VERSION, FLUID LEVEL, LOGGED INTERVAL, START, and STOP.

EQUIPMENT DESCRIPTION

Table for SURFACE EQUIPMENT with columns for RUN 1 and RUN 2.

Table for DOWNHOLE EQUIPMENT listing items like LEH-QT, AH-369, DTC-H, ECH-KC 9842 with associated icons and values.



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

Kelly Bushing Elevation

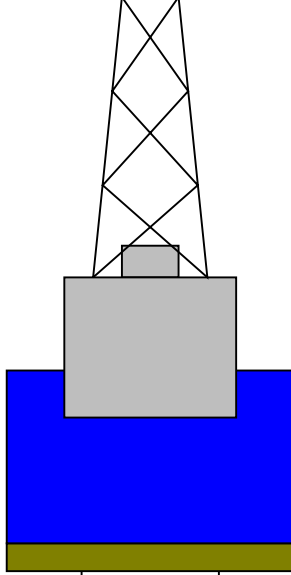
Derrick Floor Elevation

Mean Sea Level

0.0

0.0

11.1



0.0

5.500

4.125



1714.5
1798.0

11.438
5.500

4.125

Sea Floor
Pipe

1910.4

11.438

Driller's TD

Schlumberger

Downlog

MAXIS Field Log

Company: International Ocean Discovery Program

Well: Expedition 396, Site U1567A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_011LUP	PRODUCER	22-Aug-2021 23:16	1910.5 M	1675.6 M
---------	---------------------------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_012PUP	FN:13	PRODUCER	22-Aug-2021 23:16	1910.5 M	1675.6 M
RTB	MSS_LDEO_HRLA_LDL_012PUP	FN:14	PRODUCER	22-Aug-2021 23:16	1910.5 M	1675.6 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

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

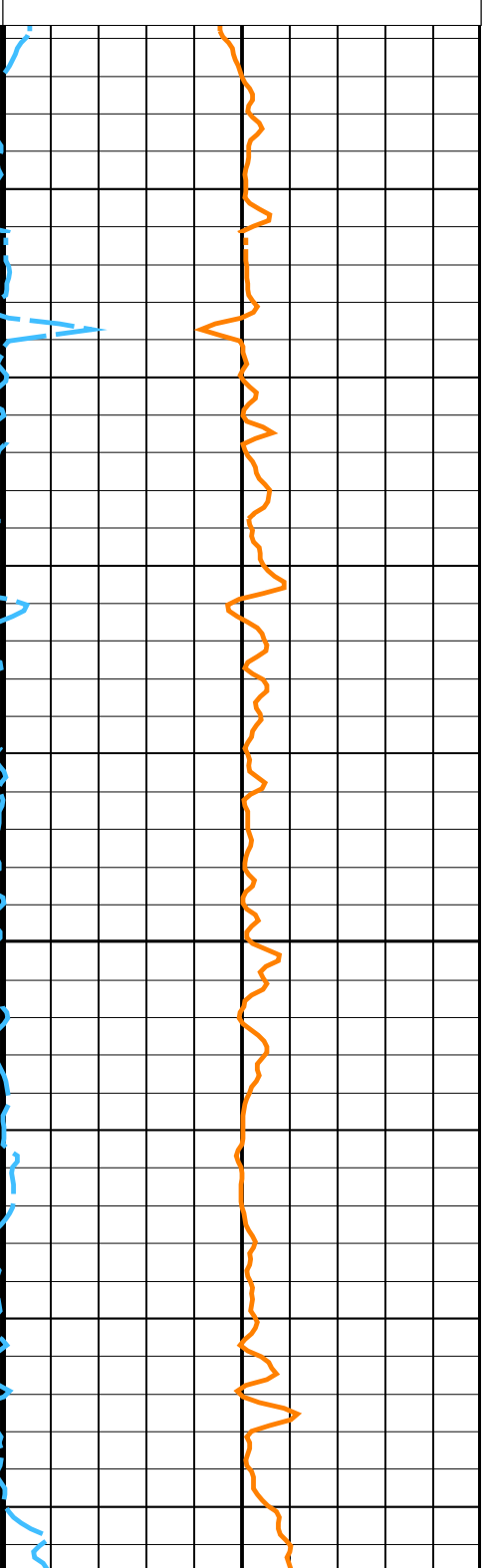
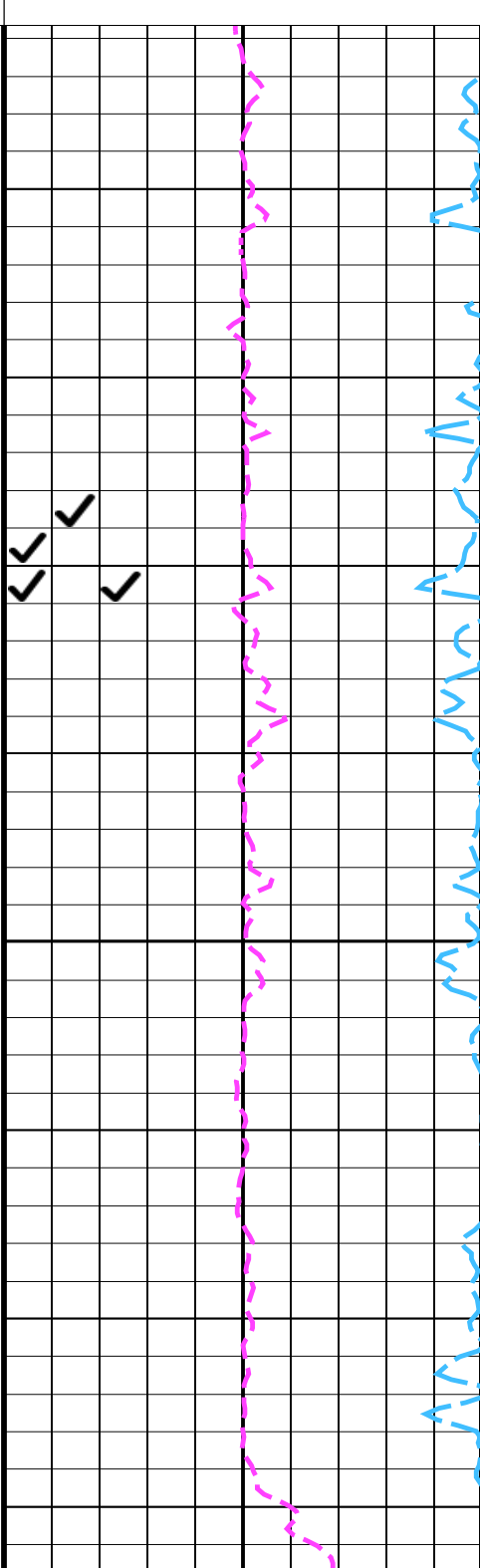
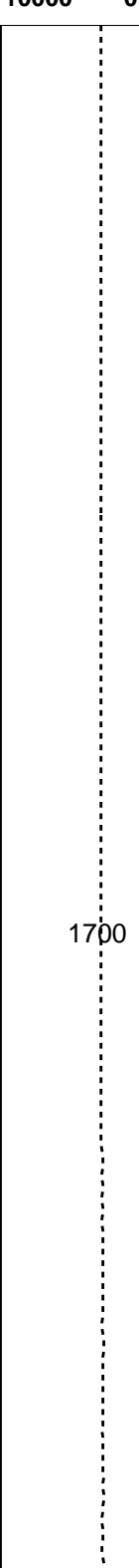
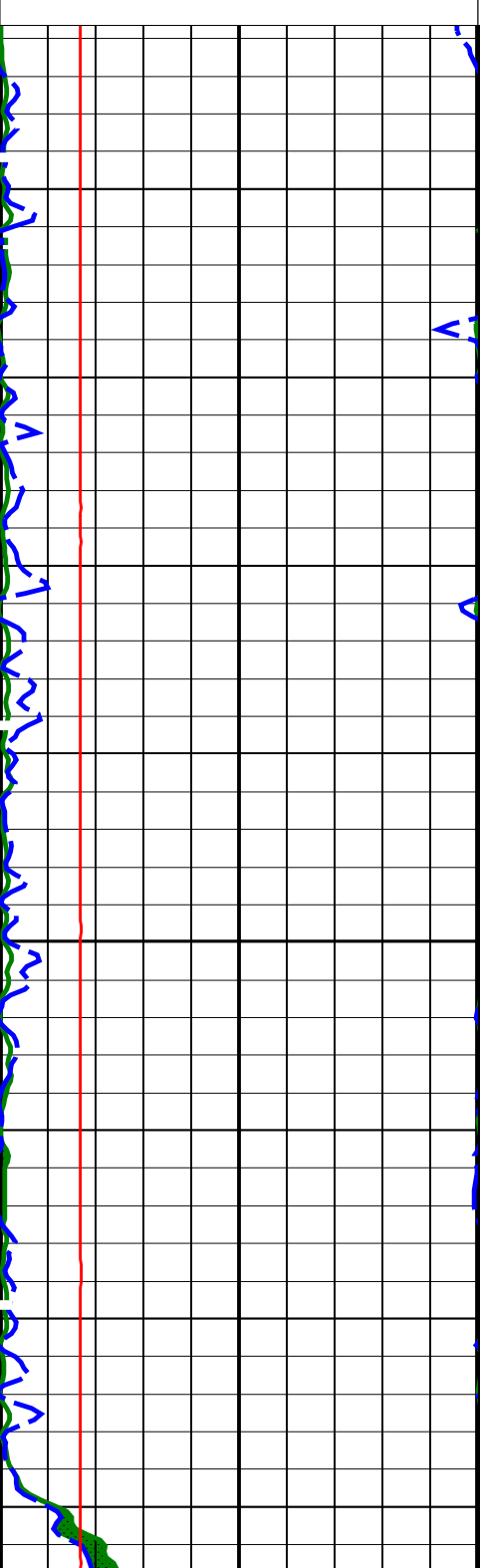
HNGS Uranium (HURA)
(PPM) -5 5

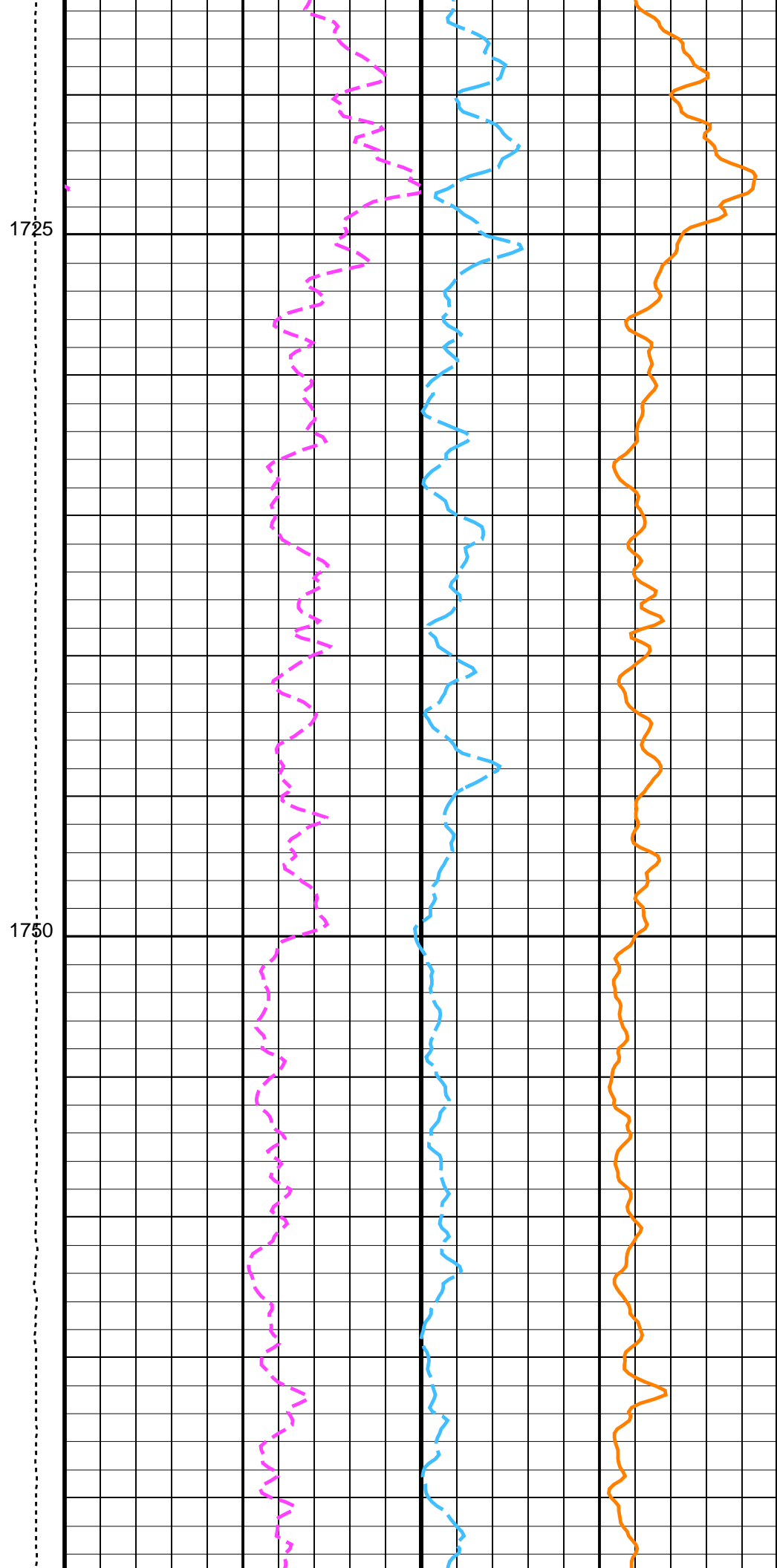
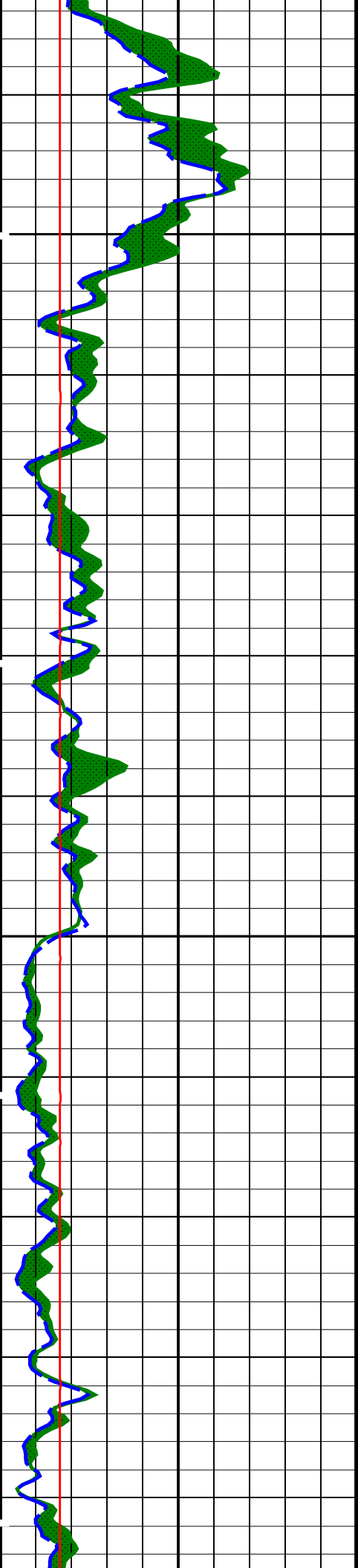
HLDS Caliper (LCAL)
(IN) 0 20

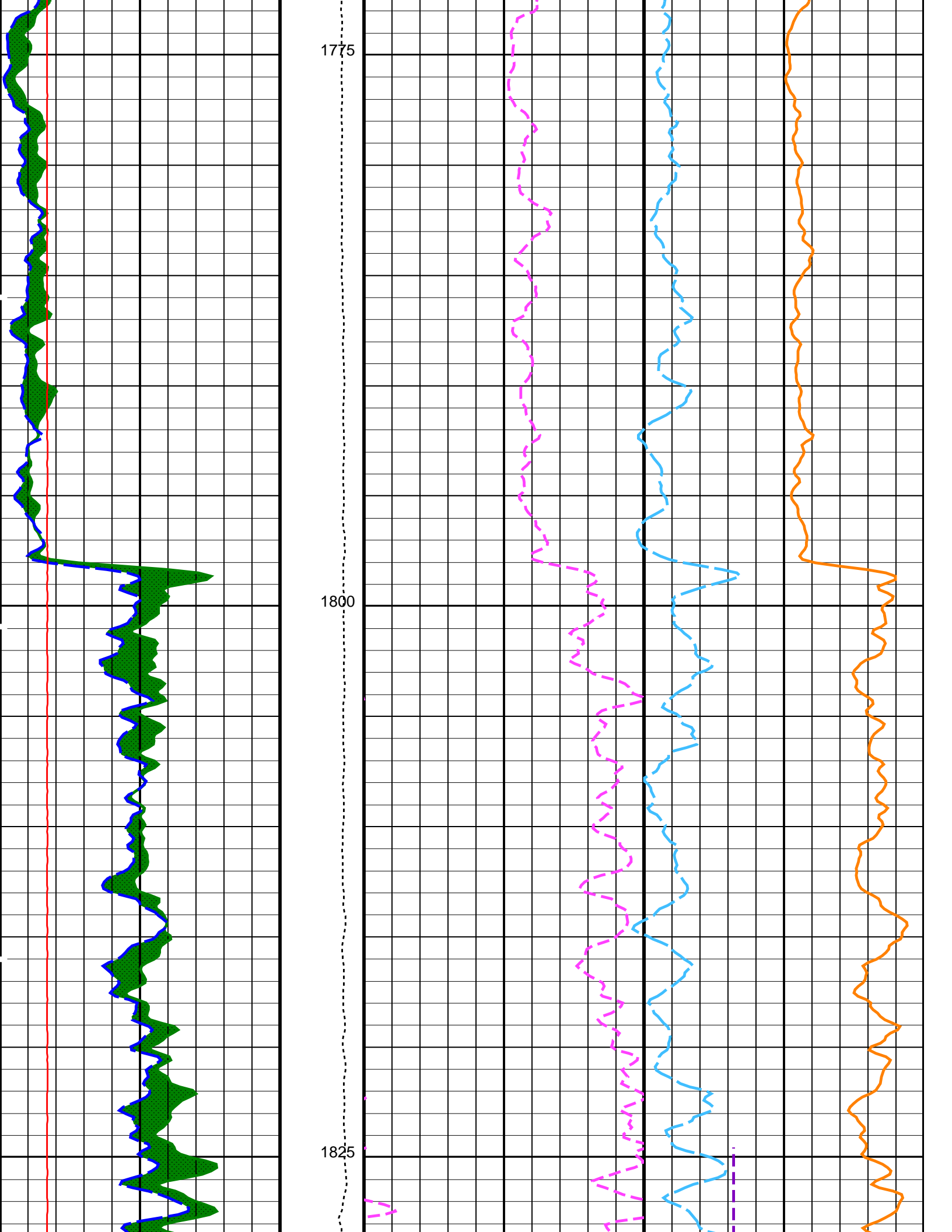
Tension (TENS) (LBF) 10000 0

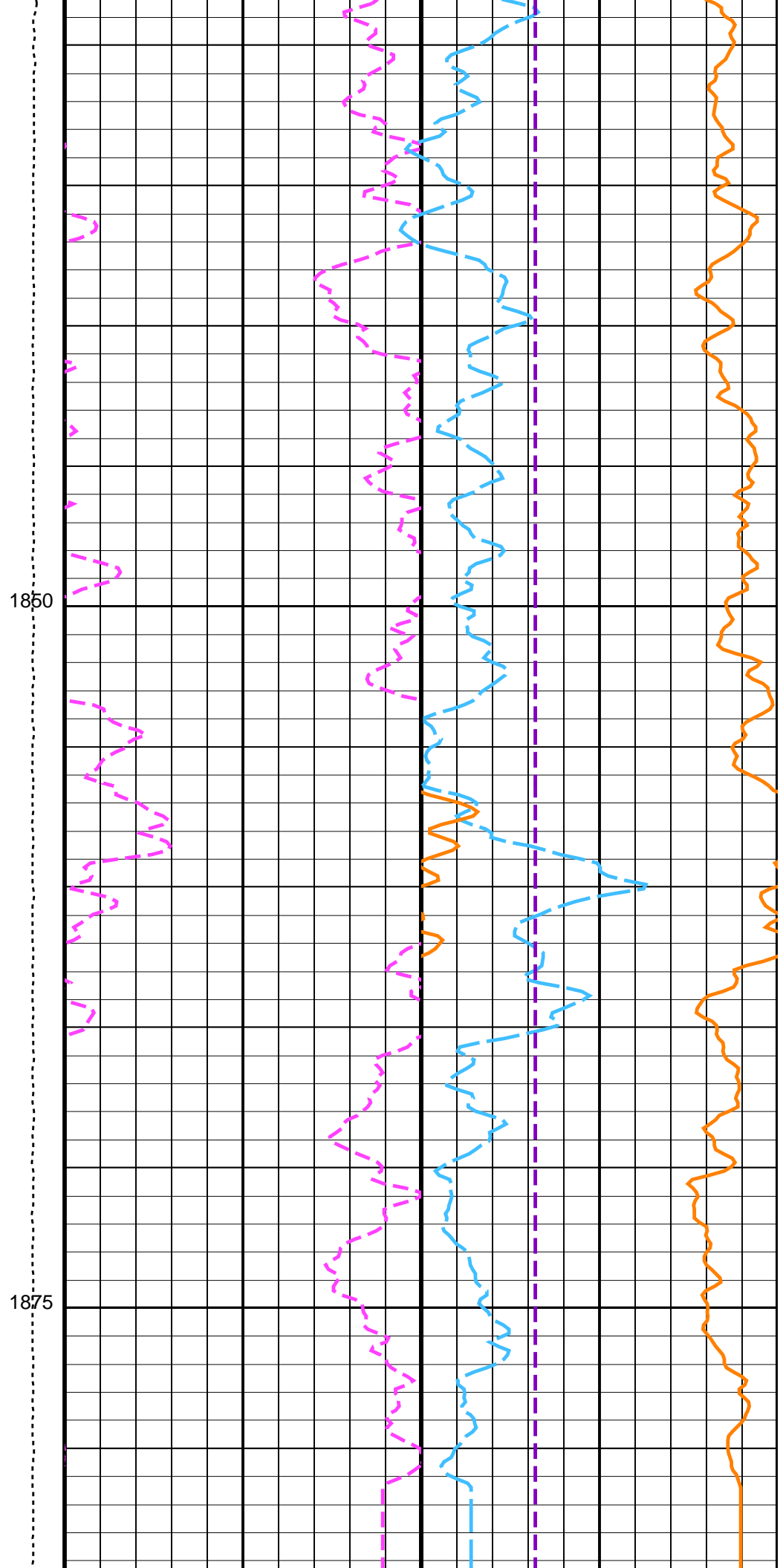
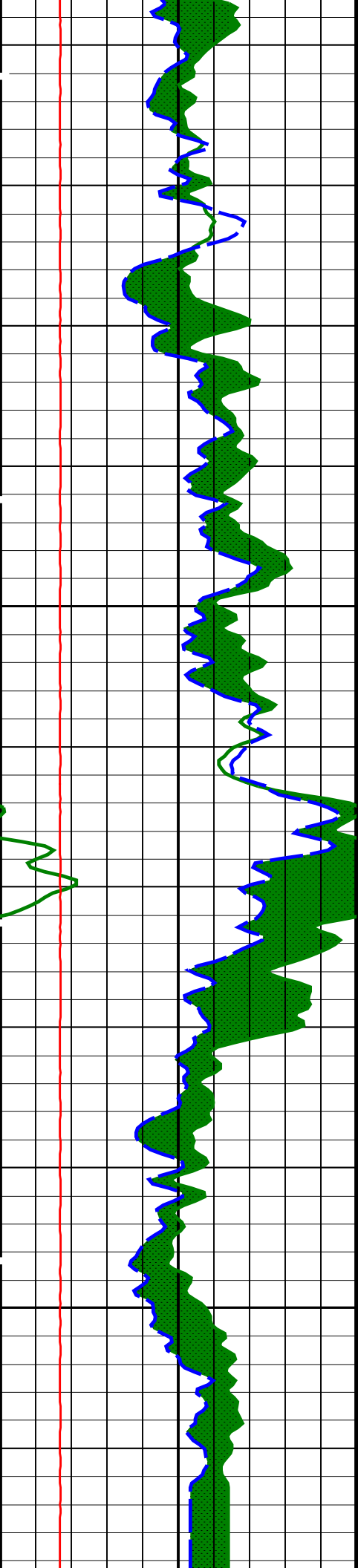
HNGS Thorium (HTHO)
(PPM) -5 5

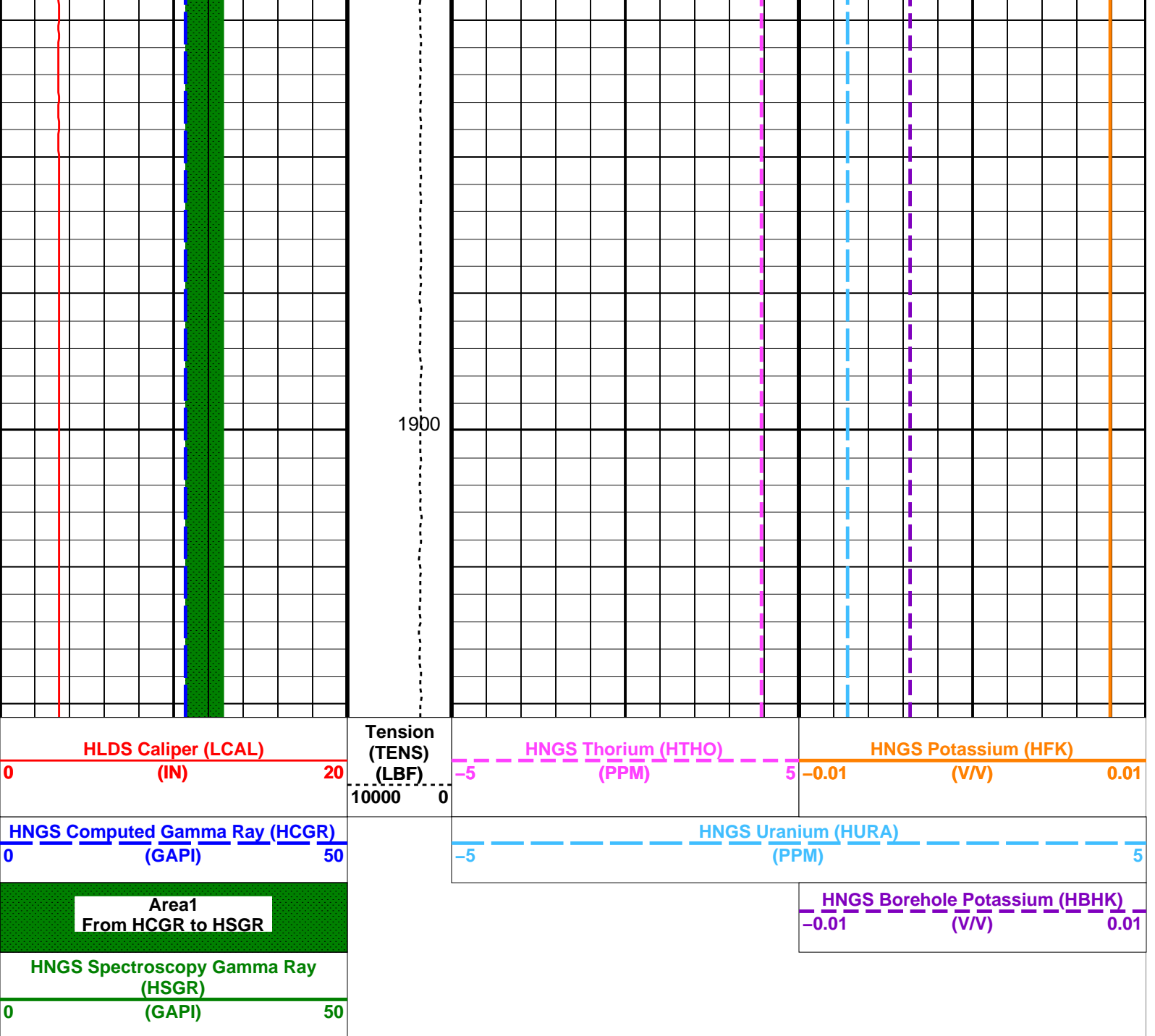
HNGS Potassium (HFK)
(V/V) -0.01 0.01











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	-0.00609712
HALF	HNGS Alpha Filter Length	60 IN
HCBP	HNGS Alpha Filter Potassium Correction	NONE

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	0.96156	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.98692	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.10	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 22-Aug-2021 23:16

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_011LUP	PRODUCER	22-Aug-2021 23:16	1910.5 M	1675.6 M
---------	---------------------------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_012PUP	FN:13	PRODUCER	22-Aug-2021 23:16
RTB	MSS_LDEO_HRLA_LDL_012PUP	FN:14	PRODUCER	22-Aug-2021 23:16

Company: International Ocean Discovery Program Well: Expedition 396, Site U1567A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_011LUP	PRODUCER	22-Aug-2021 23:16	1910.5 M	1675.6 M
---------	---------------------------	----------	-------------------	----------	----------

Output DLIS Files

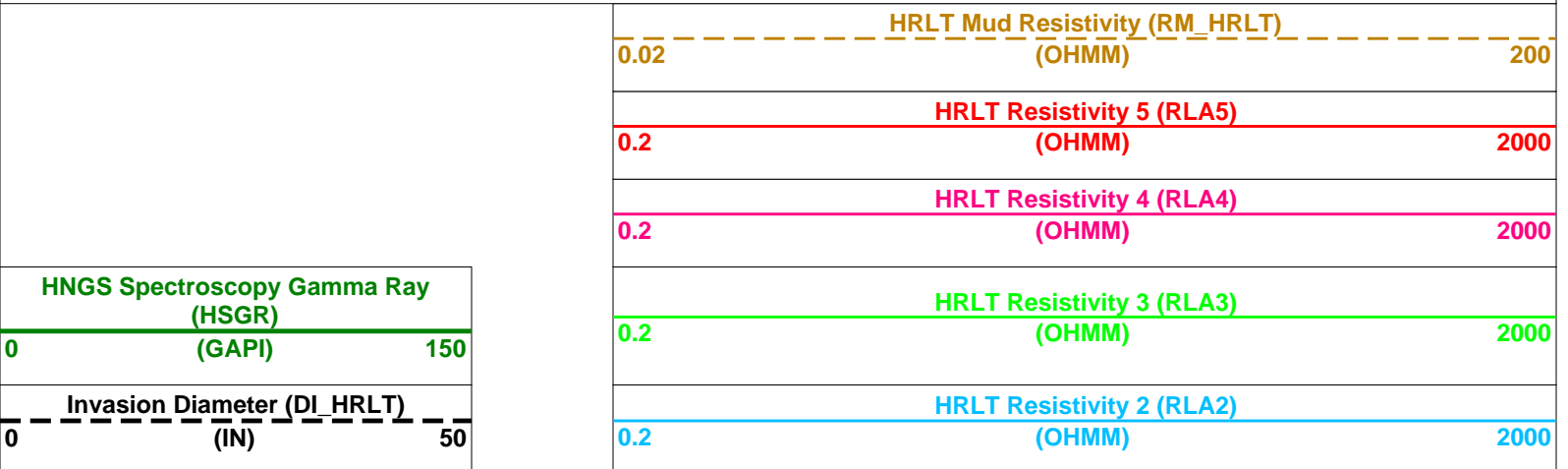
DEFAULT	MSS_LDEO_HRLA_LDL_012PUP	FN:13	PRODUCER	22-Aug-2021 23:16	1910.5 M	1675.6 M
RTB	MSS_LDEO_HRLA_LDL_012PUP	FN:14	PRODUCER	22-Aug-2021 23:16	1910.5 M	1675.6 M

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		

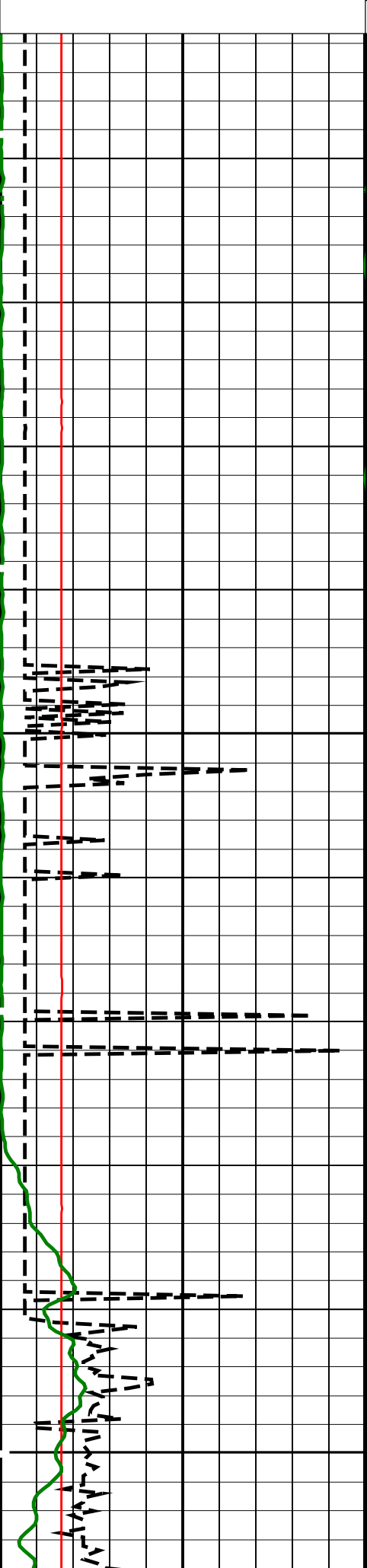
PIP SUMMARY

Time Mark Every 60 S

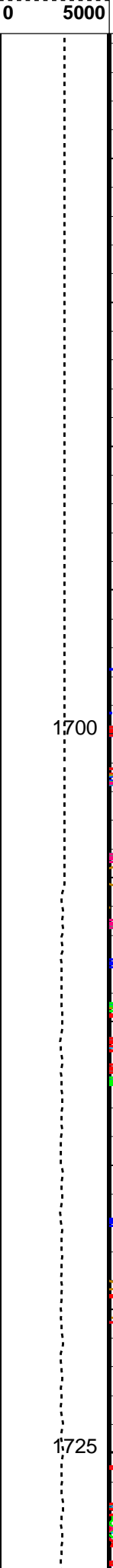


HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 150 Invasion Diameter (DI_HRLT) (IN) 0 50 Tension (PSI) HRLT Resistivity 1 (RLA1)

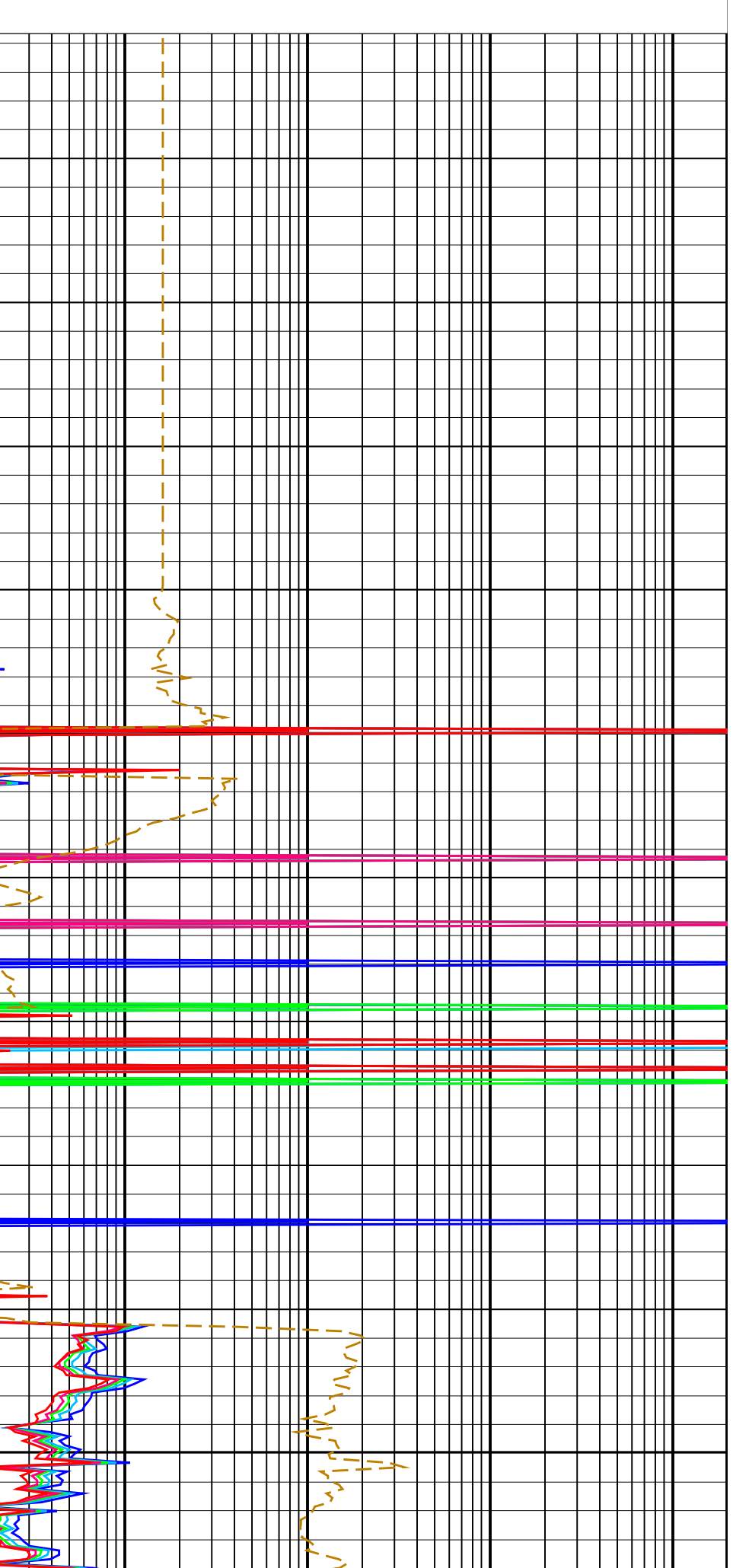
HLDS Caliper (LCAL)
(IN)

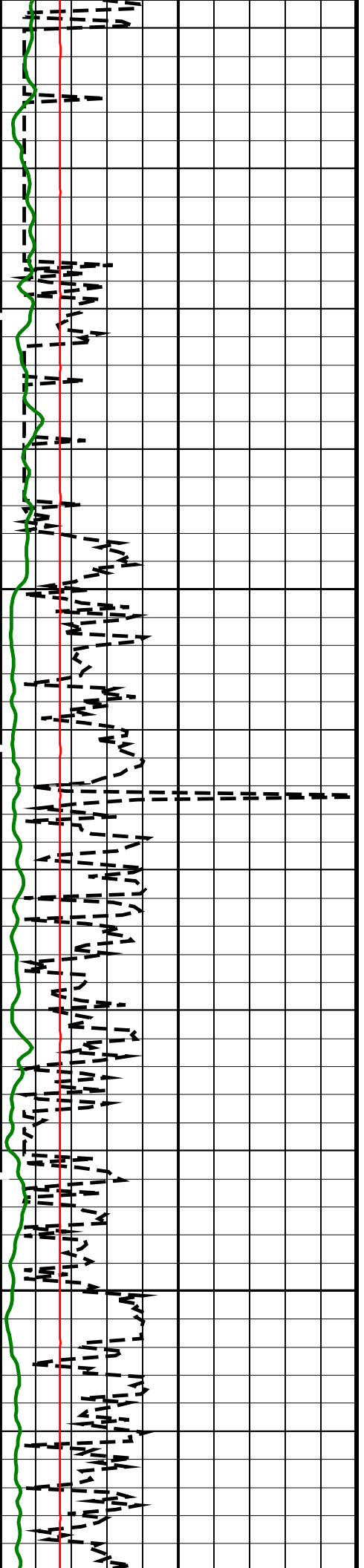


(TENS)
(LBF)



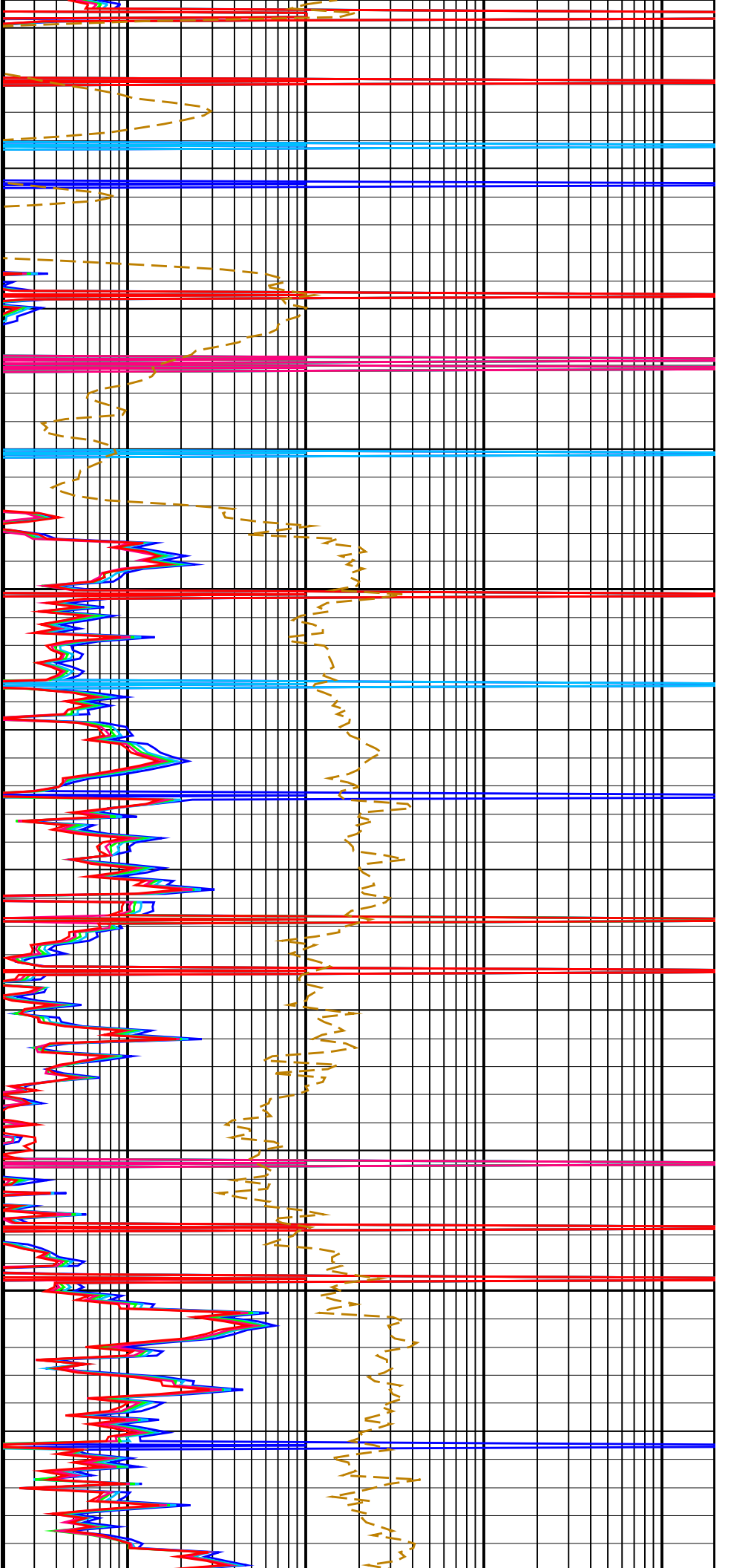
HRLI Resistivity 1 (RLA1)
(OHMM)

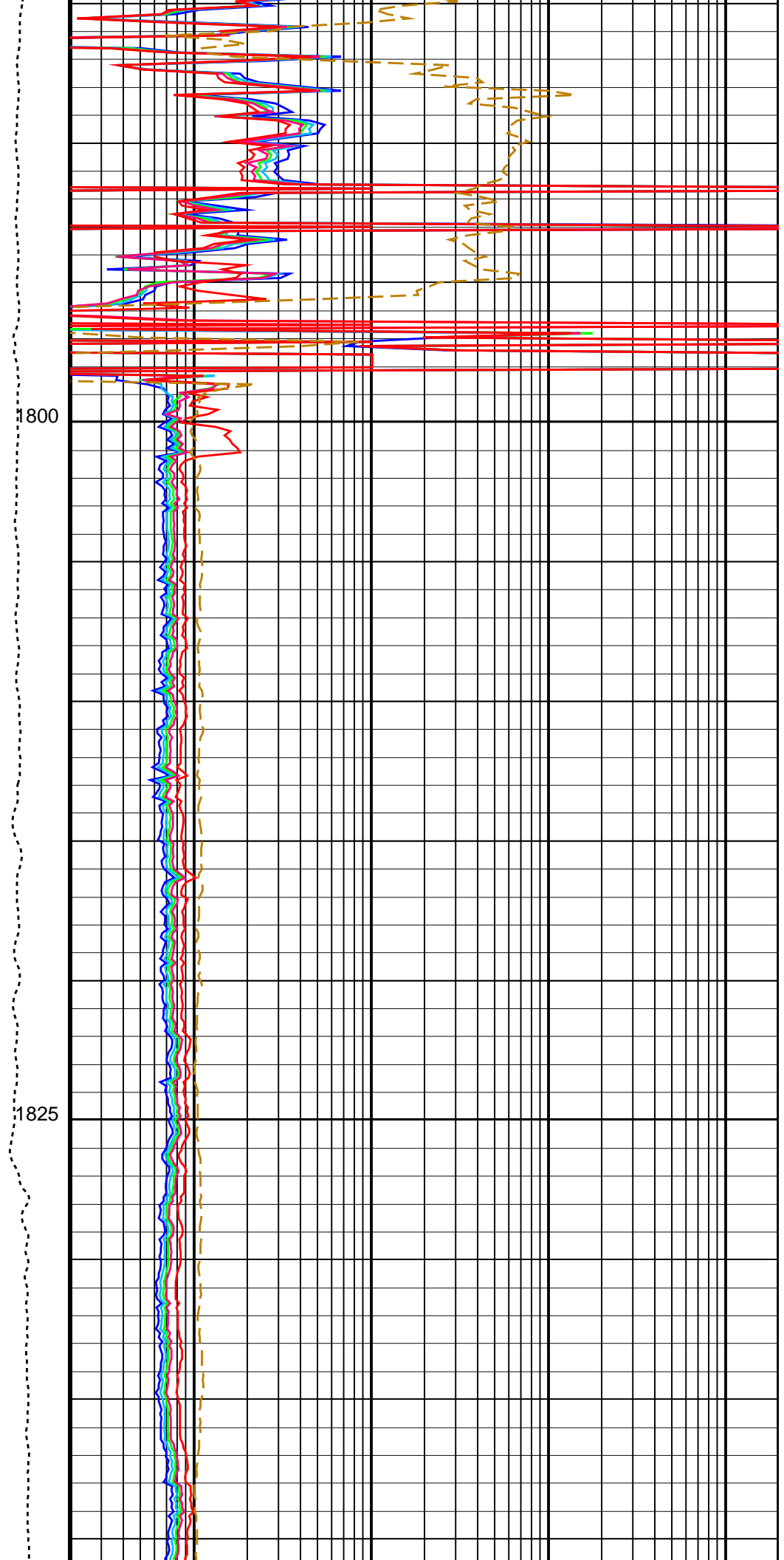
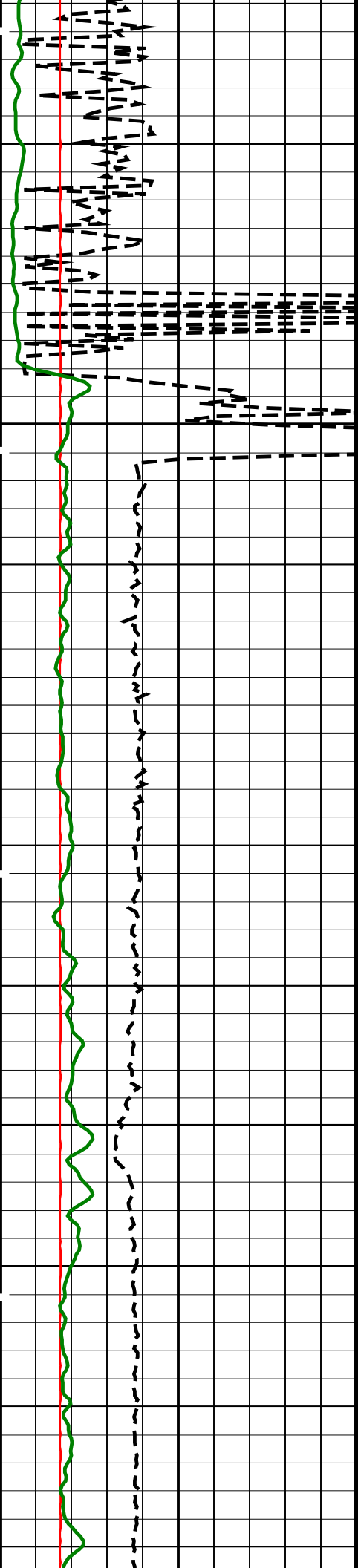


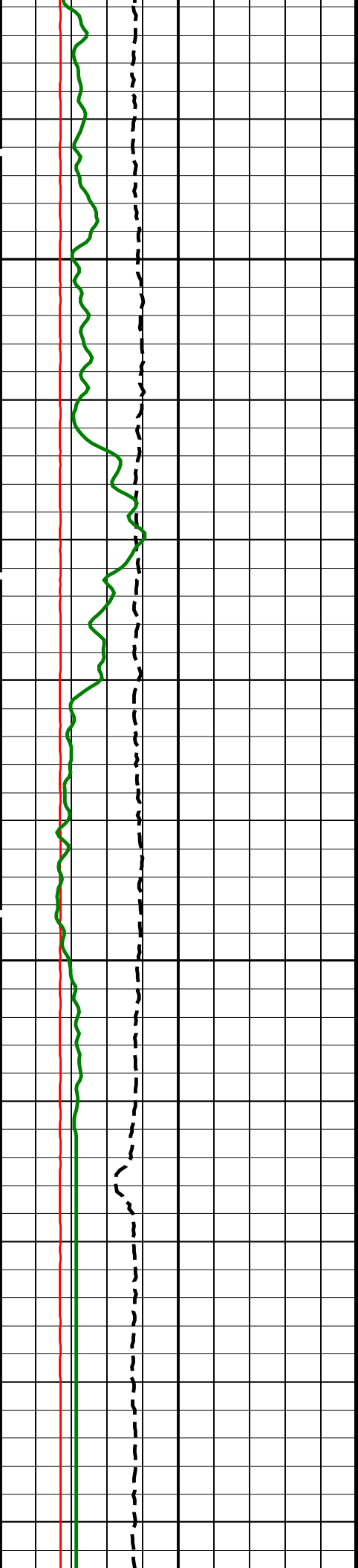


1750

1775

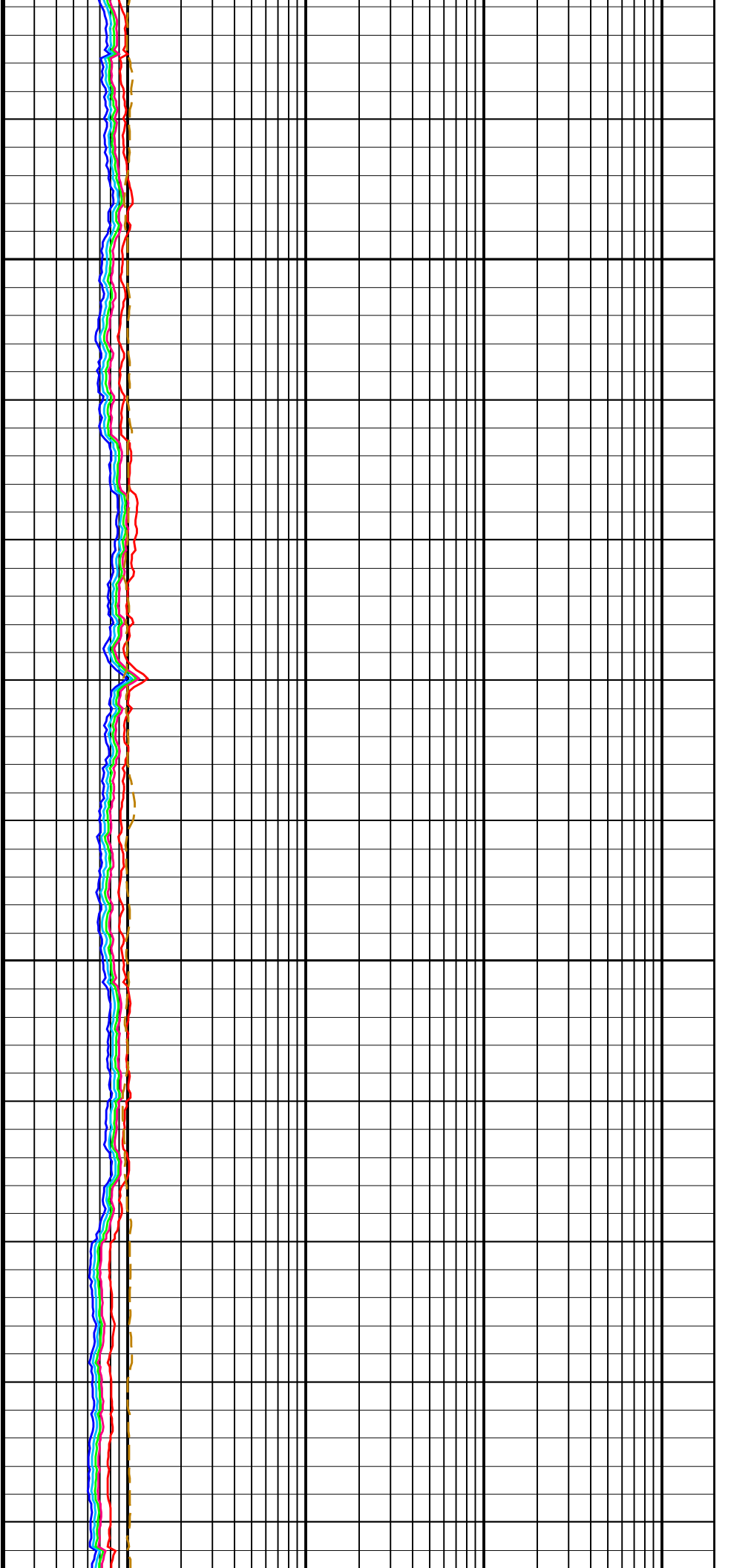


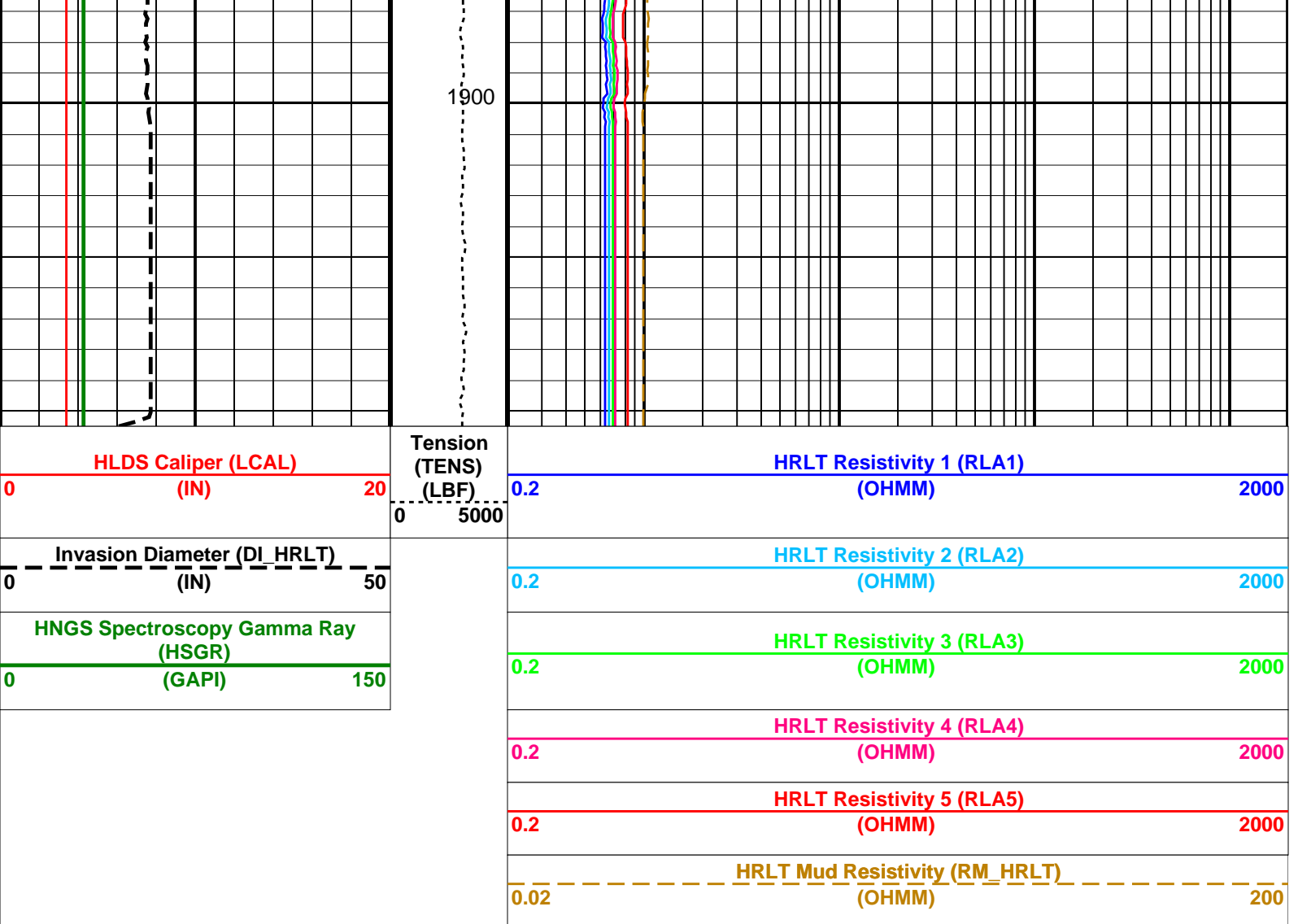




1850

1875



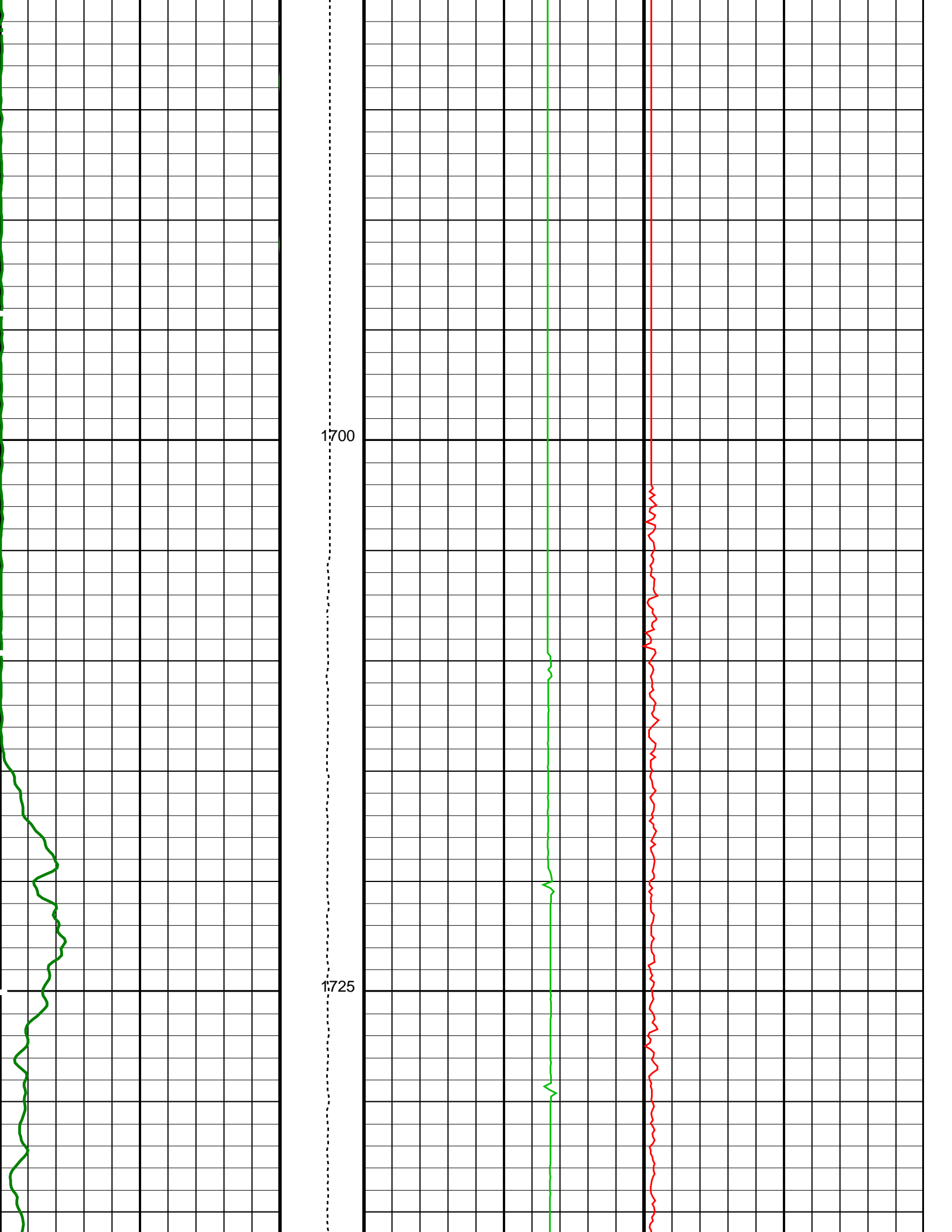


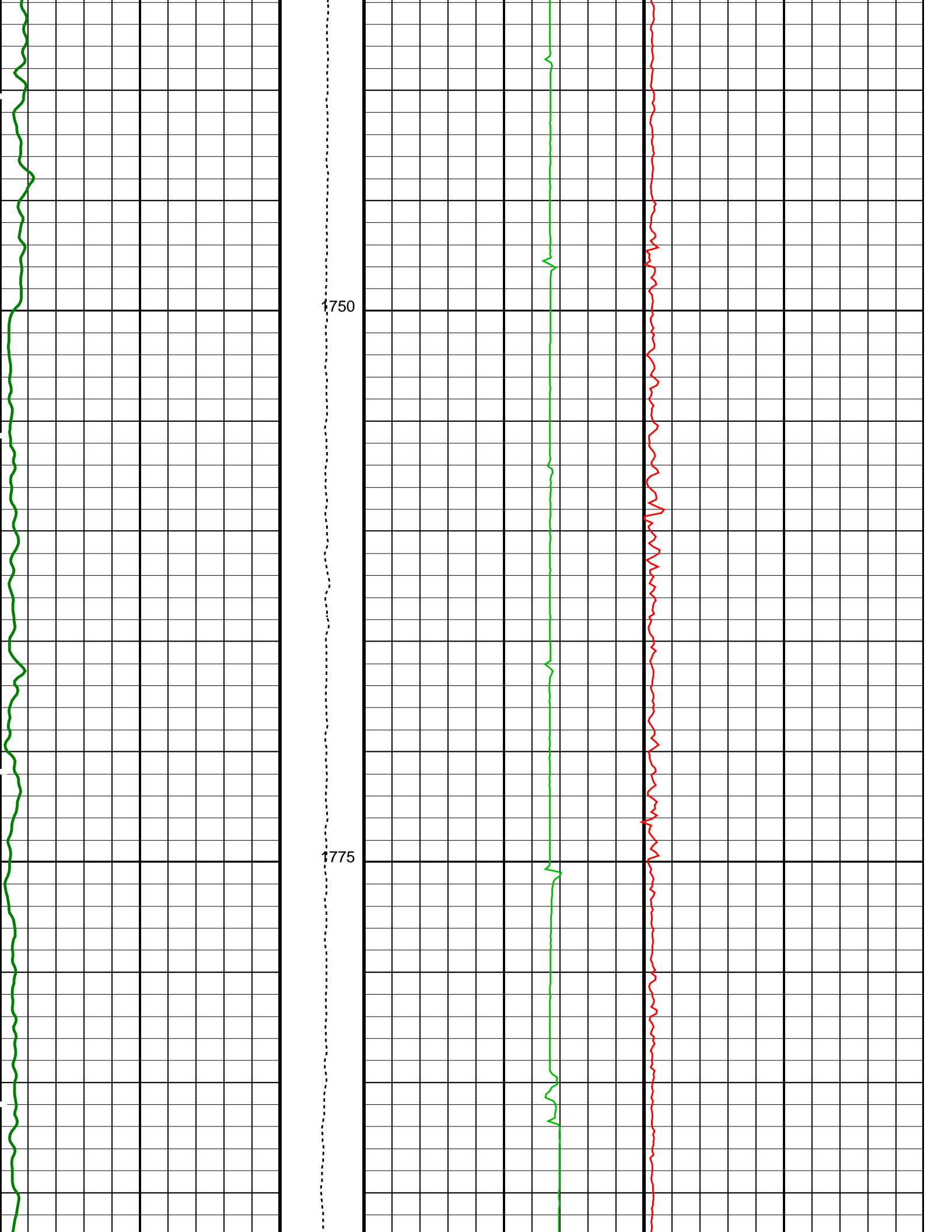
PIP SUMMARY

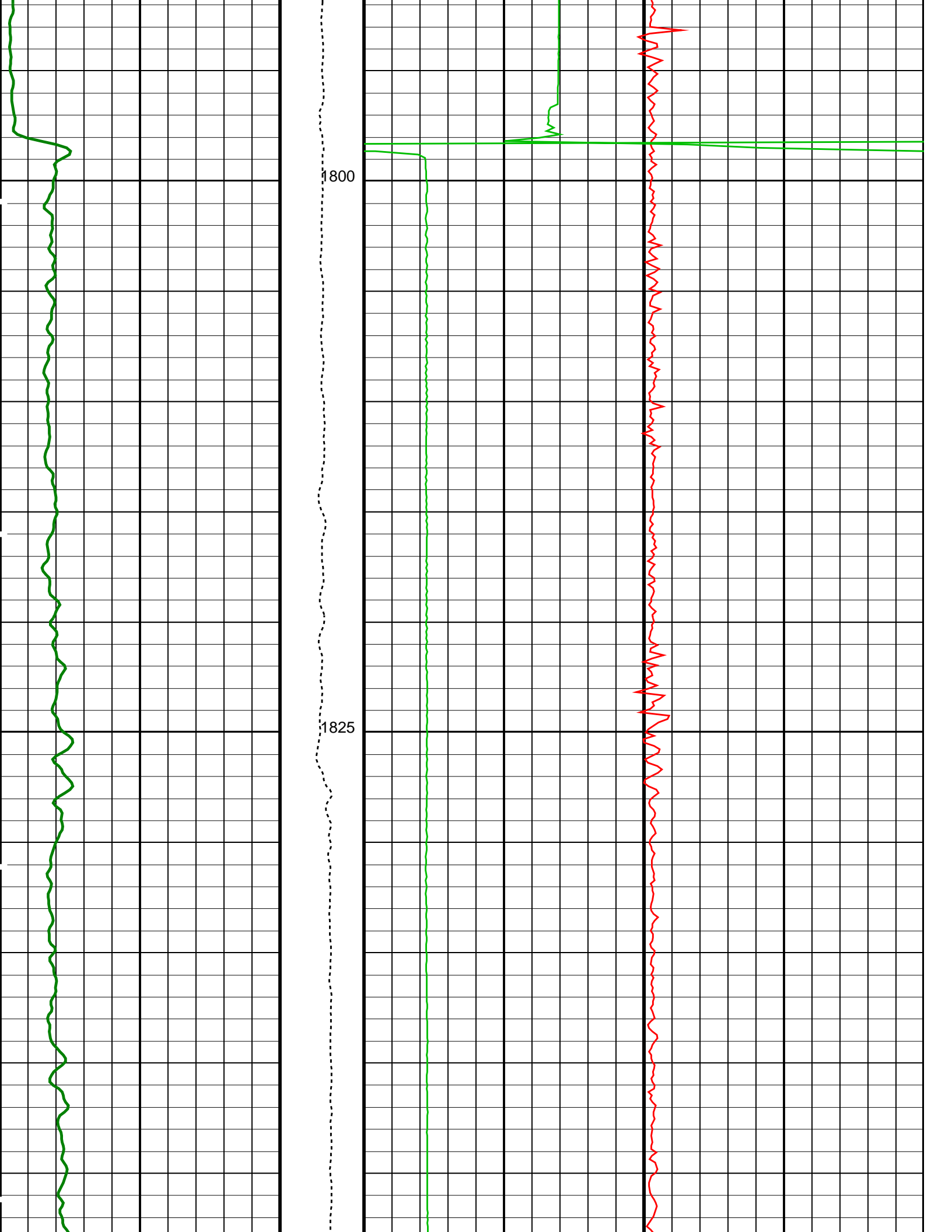
Time Mark Every 60 S

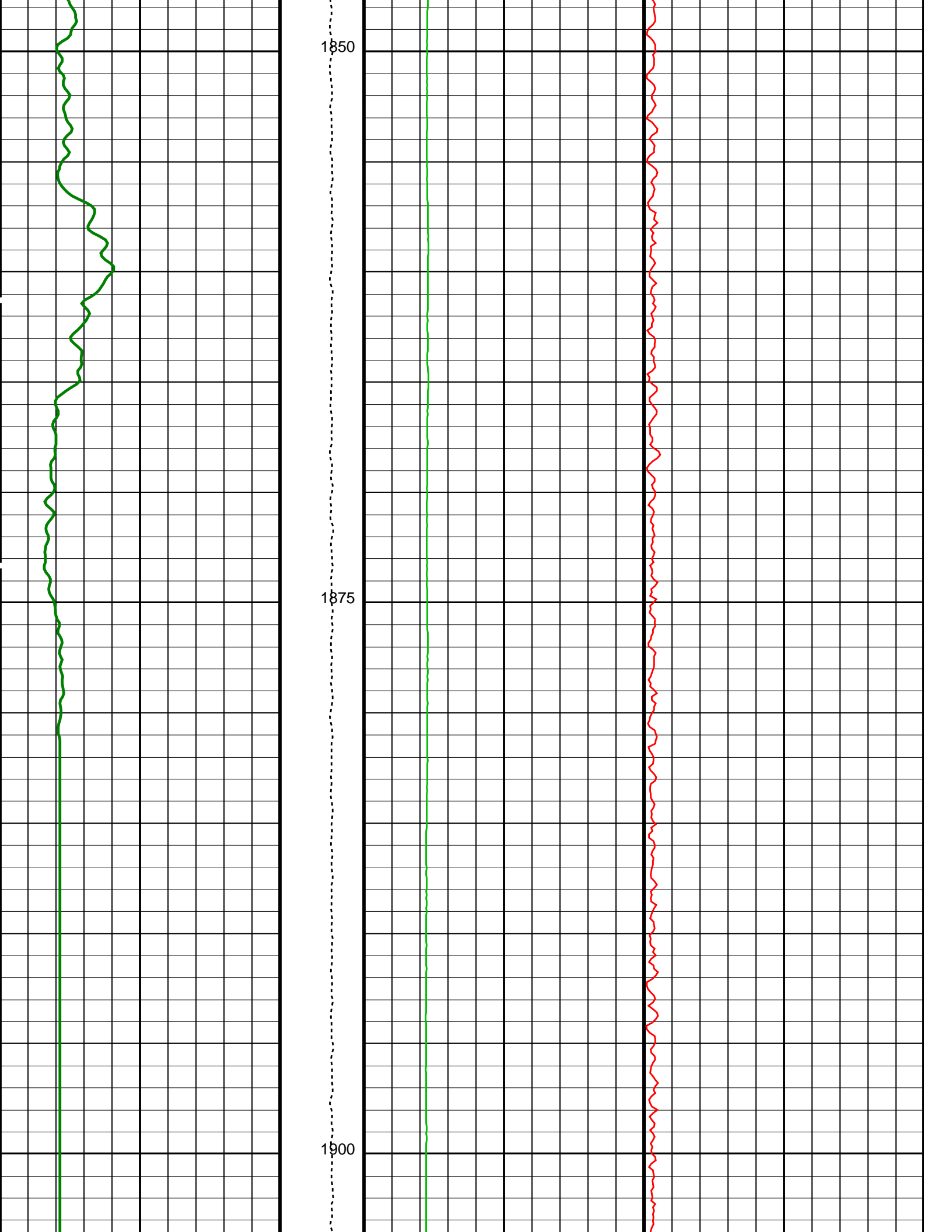
Parameters

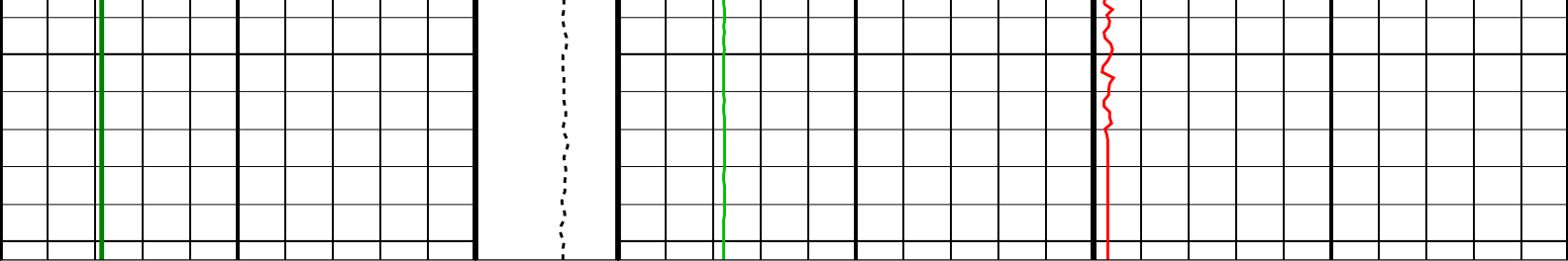
DLIS Name	Description	Value
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	7 DEGC
GCSE	Generalized Caliper Selection	LCAL
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
KFAC_HRLT	HRLT K Factor Option	SONDE
PROCINV	Inversion Selection	ON
PROCML	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
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











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	-0.00609712
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	0.96156
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.98692
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.10 G/C3
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Format: MSS_Logging Vertical Scale: 1:200 Graphics File Created: 22-Aug-2021 23:16

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_011LUP	PRODUCER	22-Aug-2021 23:16	1910.5 M	1675.6 M
---------	---------------------------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_012PUP	FN:13	PRODUCER	22-Aug-2021 23:16
RTB	MSS_LDEO_HRLA_LDL_012PUP	FN:14	PRODUCER	22-Aug-2021 23:16

Company: International Ocean Discovery Program

Well: Expedition 396, Site U1567A

Input DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_008LUP	FN:7	PRODUCER	22-Aug-2021 22:20	1908.8 M	1835.7 M
---------	--------------------------	------	----------	-------------------	----------	----------

Output DLIS Files

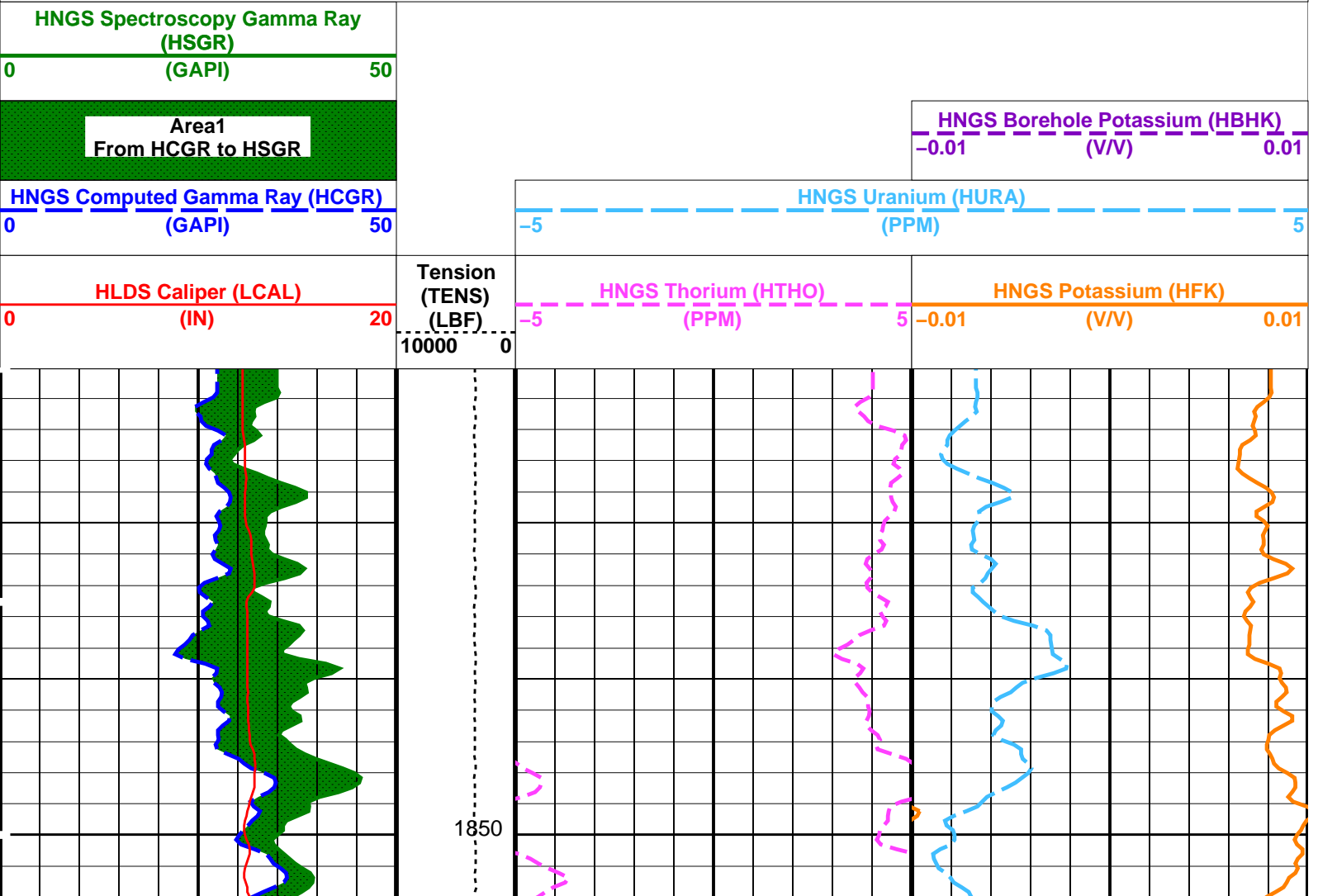
DEFAULT	MSS_LDEO_HRLA_LDL_009PUP	FN:9	PRODUCER	22-Aug-2021 22:33	1908.8 M	1835.0 M
RTB	MSS_LDEO_HRLA_LDL_009PUP	FN:10	PRODUCER	22-Aug-2021 22:33	1908.8 M	1835.0 M

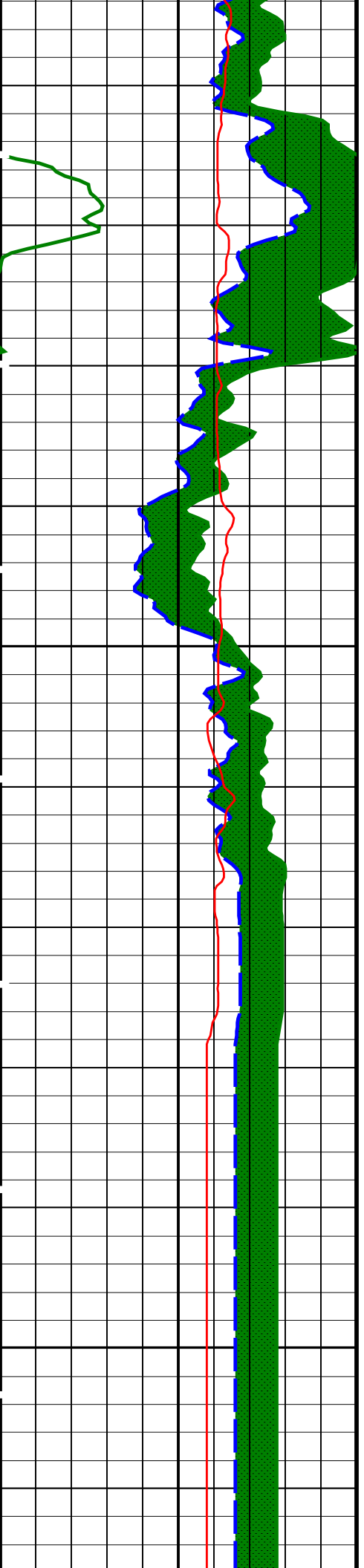
OP System Version: 19C0-187

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

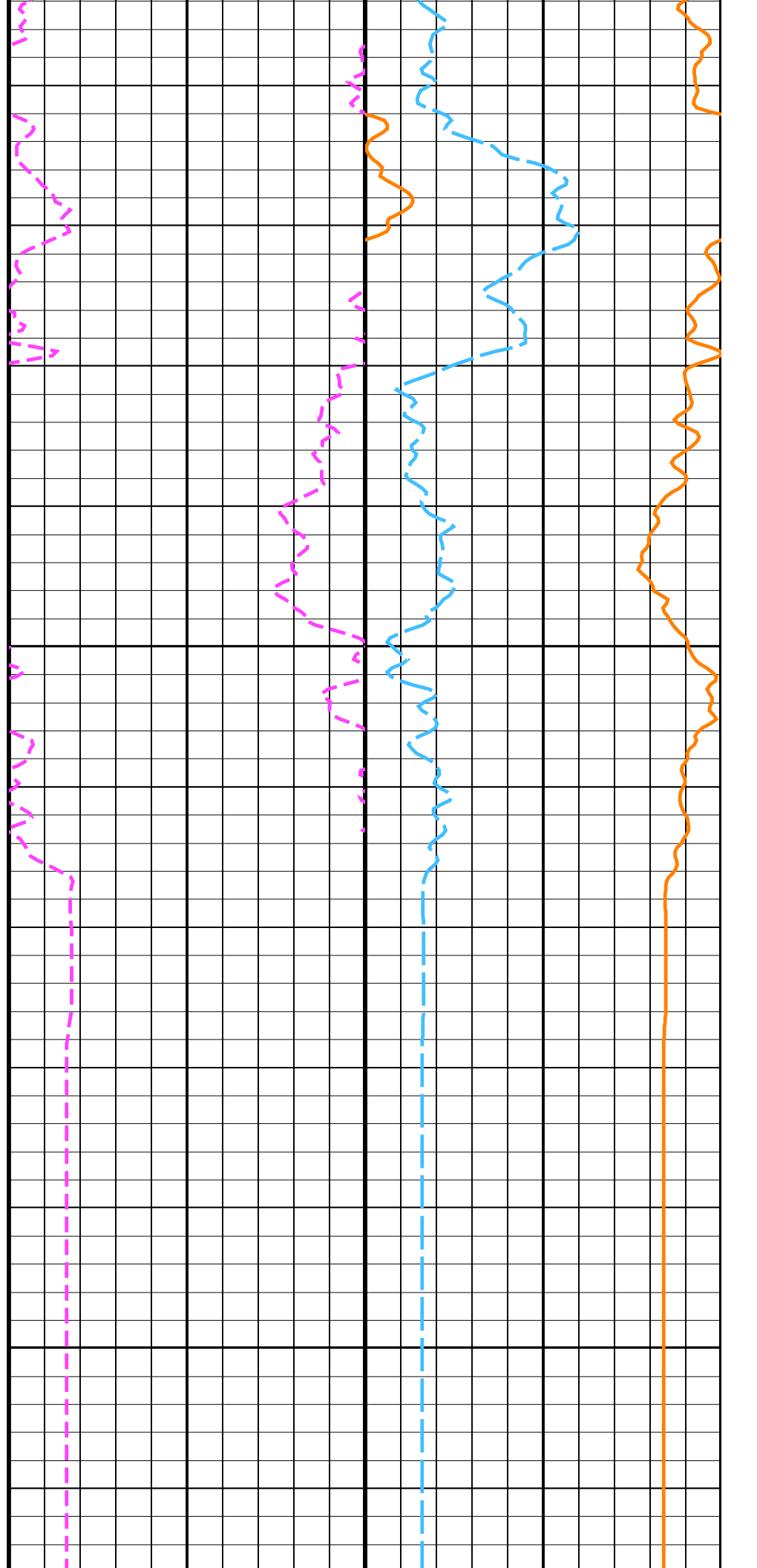
Time Mark Every 60 S

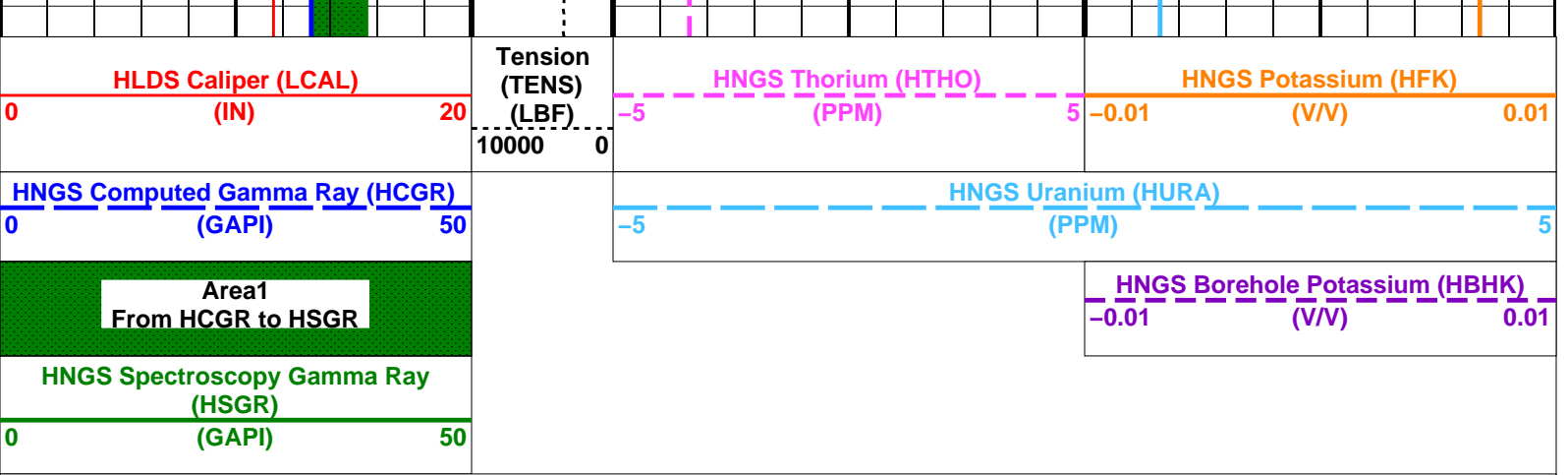




1875

1900





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	-0.00364919
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	0.926658
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.974662
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.10 G/C3
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	RECOMPUTE

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 22-Aug-2021 22:33

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	MSS_LDEO_HRLA_LDL_008LUP	FN:7	PRODUCER	22-Aug-2021 22:20	1908.8 M	1835.7 M
---------	--------------------------	------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_009PUP	FN:9	PRODUCER	22-Aug-2021 22:33
RTB	MSS_LDEO_HRLA_LDL_009PUP	FN:10	PRODUCER	22-Aug-2021 22:33

Input DLIS Files

DEFAULT MSS_LDEO_HRLA_LDL_008LUP FN:7 PRODUCER 22-Aug-2021 22:20 1908.8 M 1835.7 M

Output DLIS Files

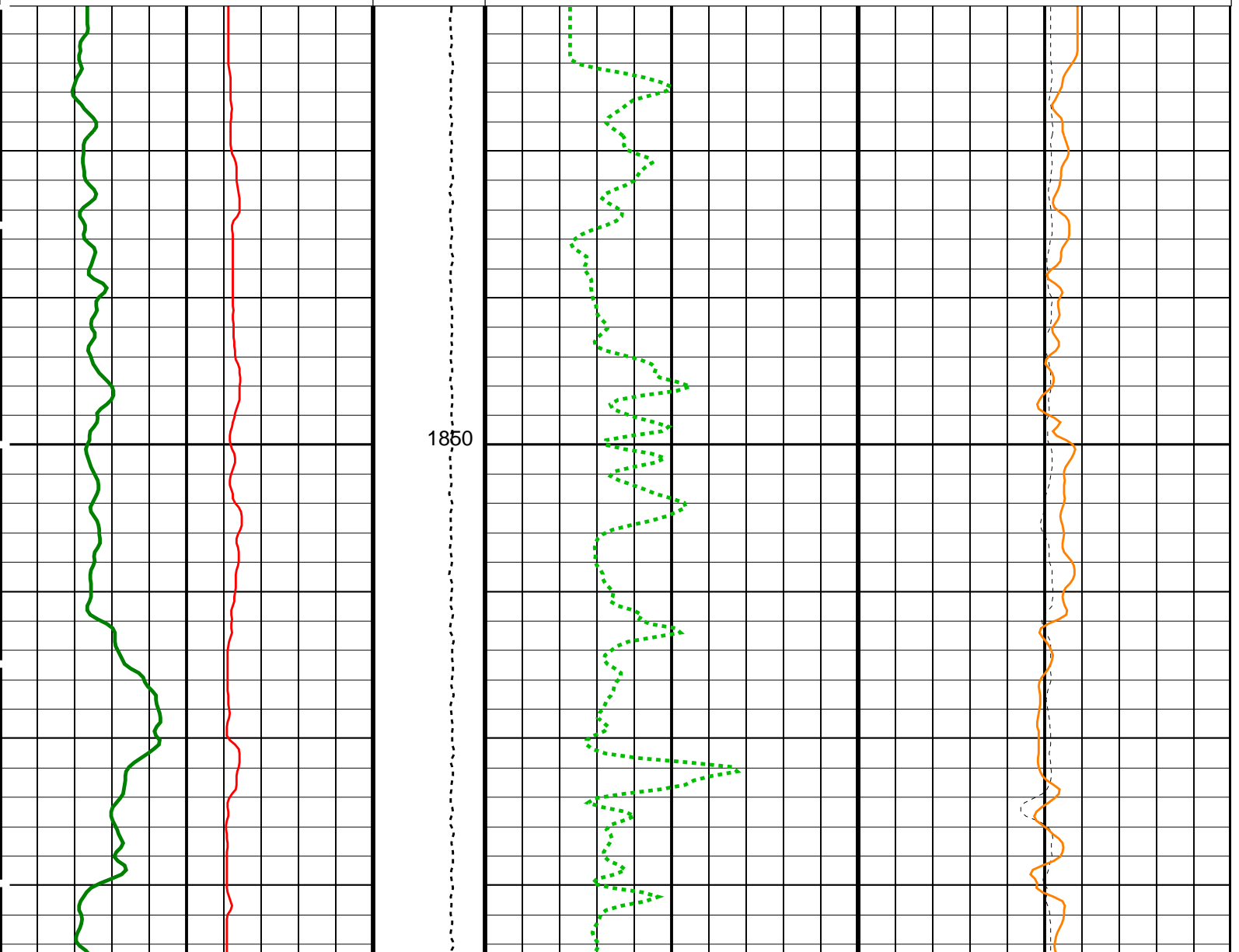
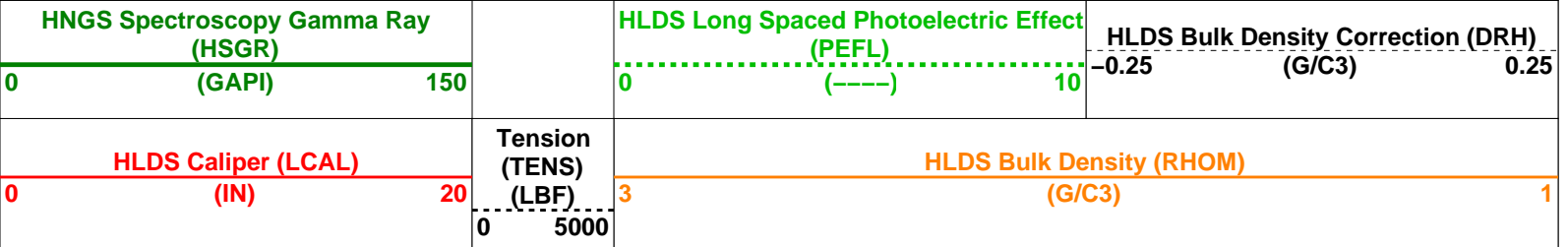
DEFAULT MSS_LDEO_HRLA_LDL_009PUP FN:9 PRODUCER 22-Aug-2021 22:33 1908.8 M 1835.0 M
 RTB MSS_LDEO_HRLA_LDL_009PUP FN:10 PRODUCER 22-Aug-2021 22:33 1908.8 M 1835.0 M

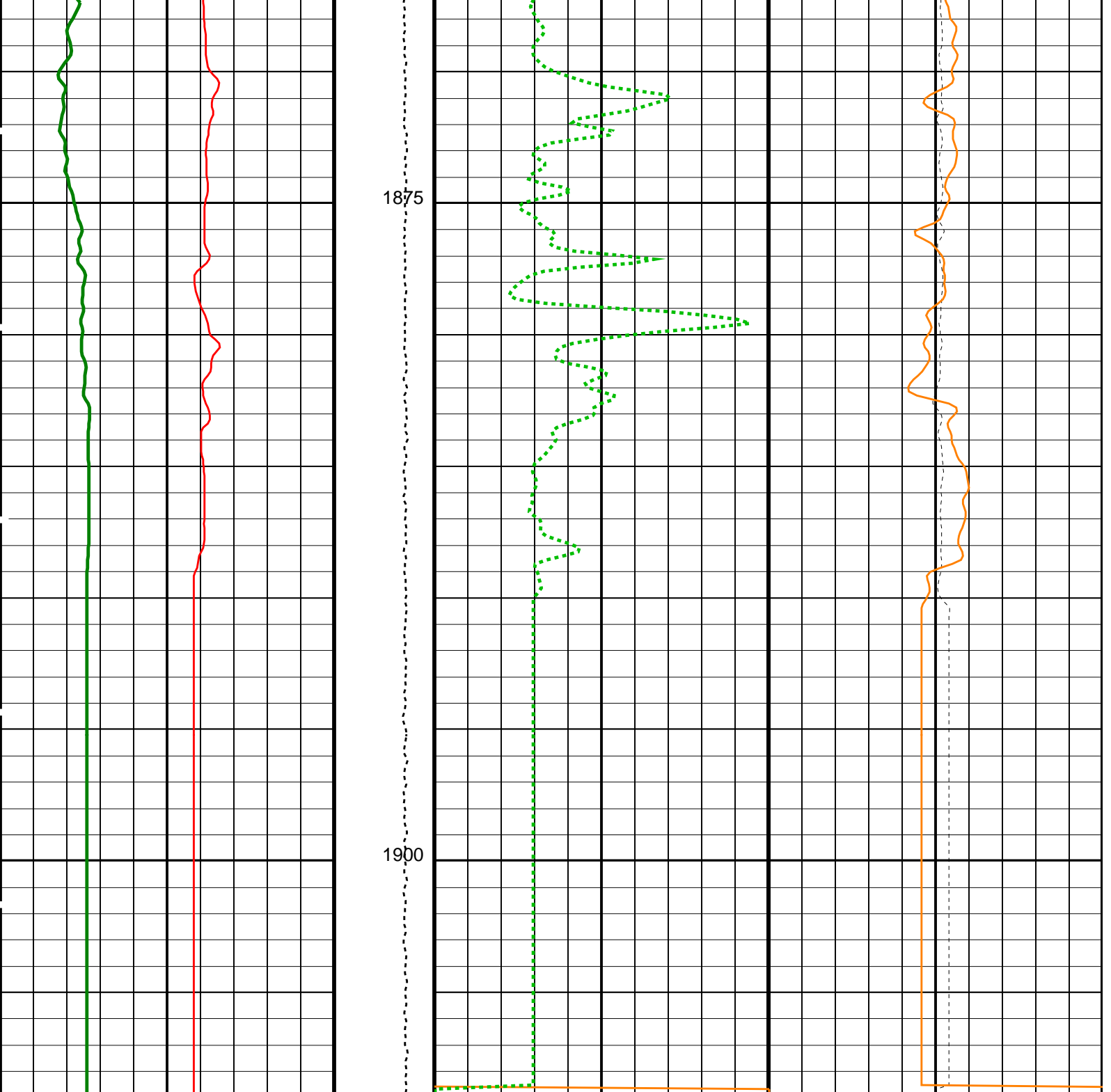
OP System Version: 19C0-187

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





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
BHS	HRLT-B: High Resolution Laterolog Array - B	OPEN
GCSE	Borehole Status	LCAL
	Generalized Caliper Selection	

COSE	HLDS: Hostile Litho-Density Sonde	Generalized Caliper Selection	LOCAL	
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		-0.00364919	
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		0.926658	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average		0.974662	
	System and Miscellaneous			
BS	Bit Size		9.875	IN
DFD	Drilling Fluid Density		1.10	G/C3
DO	Depth Offset for Playback		0.0	M
PP	Playback Processing		RECOMPUTE	

Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 22-Aug-2021 22:33

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	MSS_LDEO_HRLA_LDL_008LUP	FN:7	PRODUCER	22-Aug-2021 22:20	1908.8 M	1835.7 M
---------	--------------------------	------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_009PUP	FN:9	PRODUCER	22-Aug-2021 22:33		
RTB	MSS_LDEO_HRLA_LDL_009PUP	FN:10	PRODUCER	22-Aug-2021 22:33		

Company: International Ocean Discovery Program Well: Expedition 396, Site U1567A

Input DLIS Files

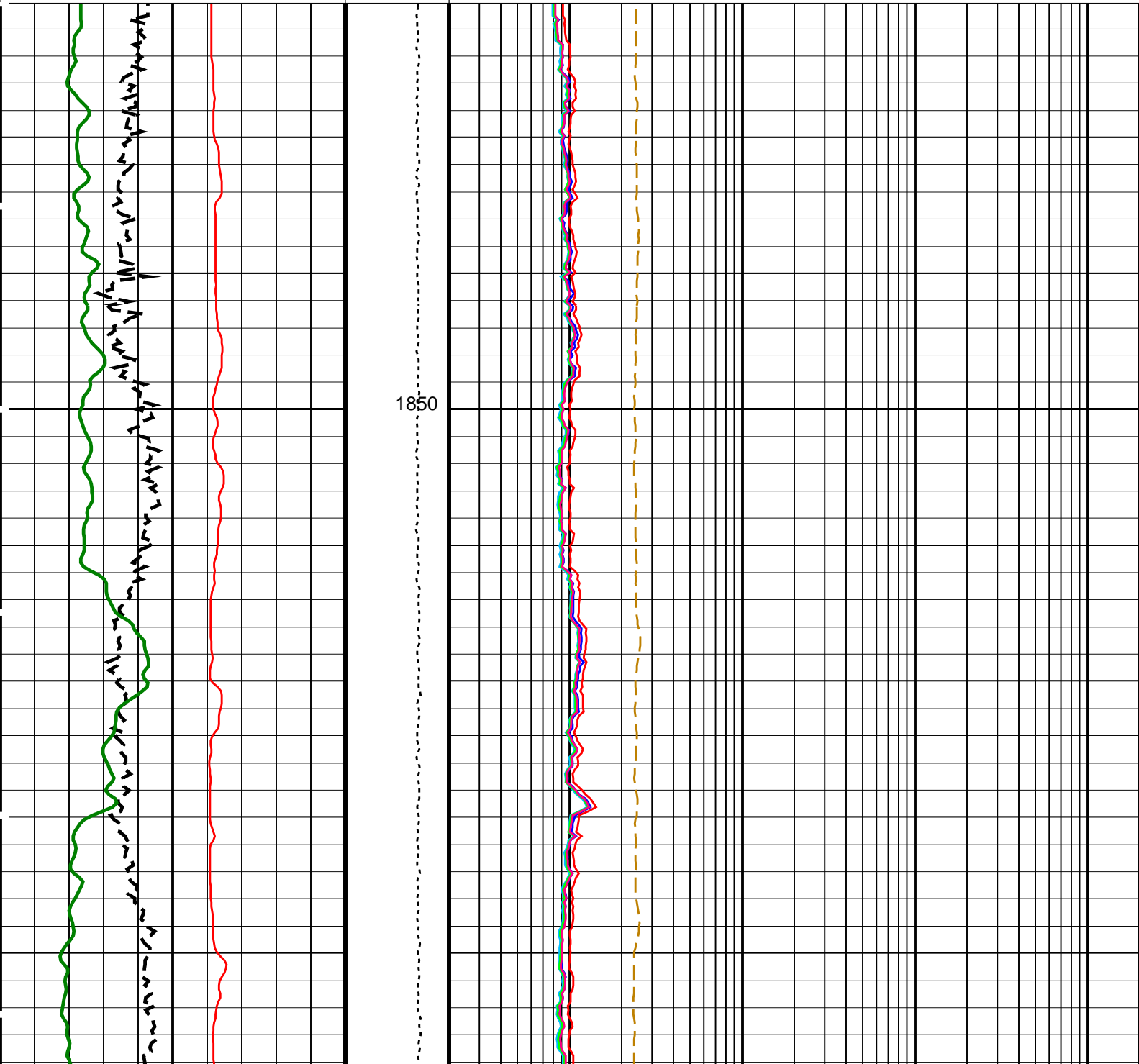
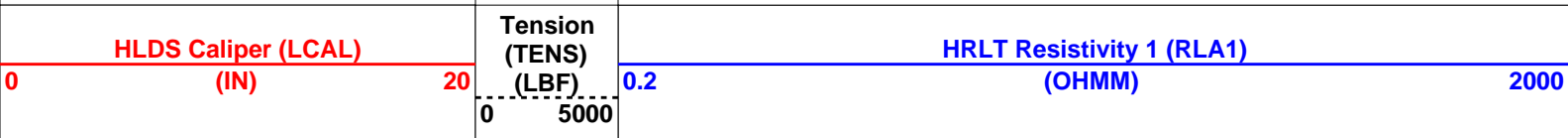
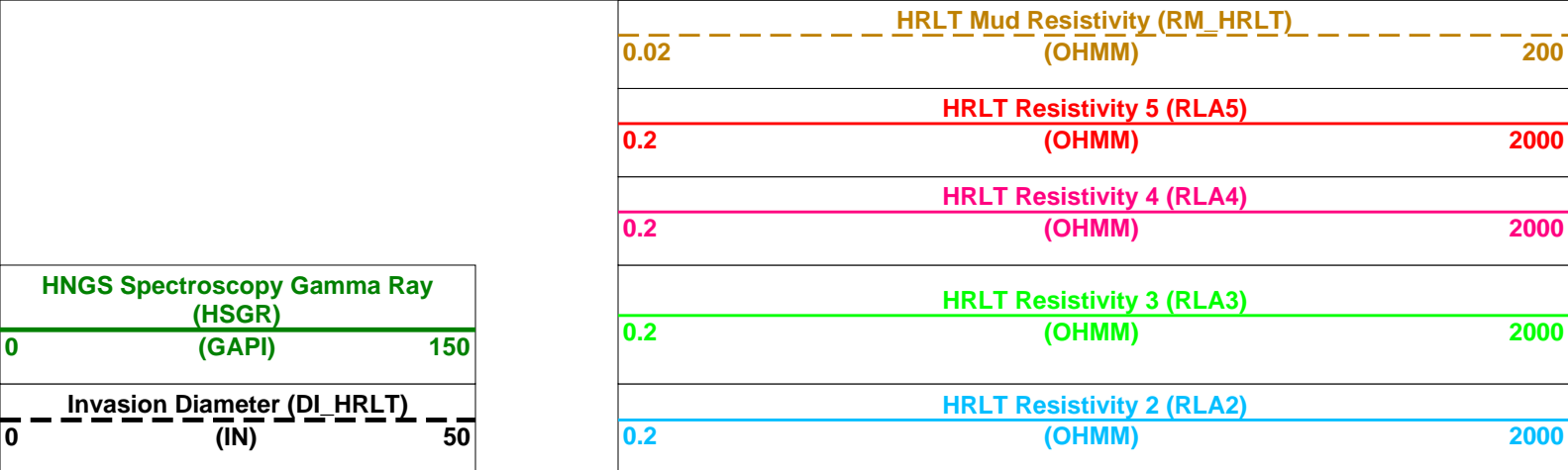
DEFAULT	MSS_LDEO_HRLA_LDL_008LUP	FN:7	PRODUCER	22-Aug-2021 22:20	1908.8 M	1835.7 M
---------	--------------------------	------	----------	-------------------	----------	----------

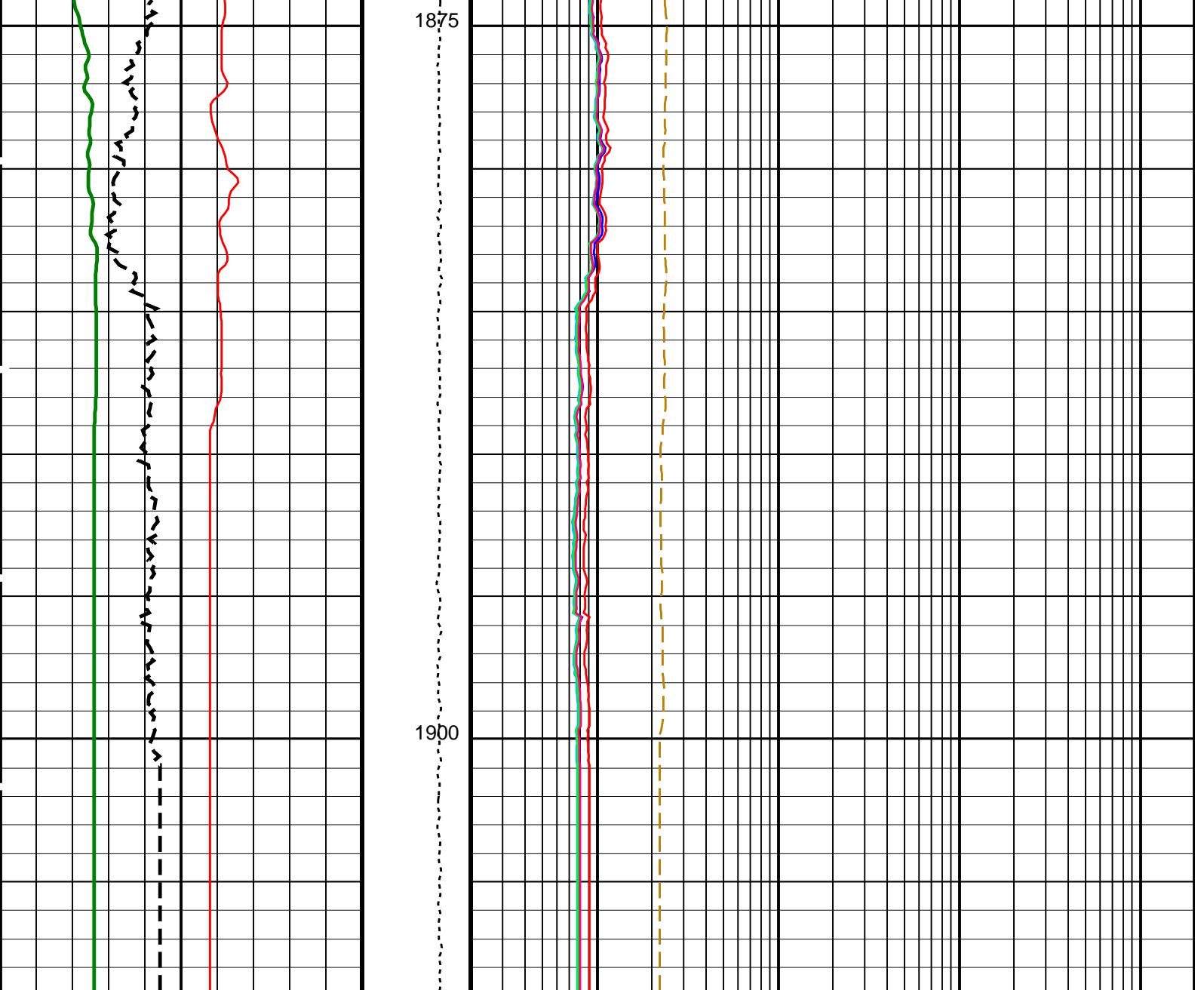
Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_009PUP	FN:9	PRODUCER	22-Aug-2021 22:33	1908.8 M	1835.0 M
RTB	MSS_LDEO_HRLA_LDL_009PUP	FN:10	PRODUCER	22-Aug-2021 22:33	1908.8 M	1835.0 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		





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

DI IS Name	Description	Value
------------	-------------	-------

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	-0.00364919	
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	0.926658	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.974662	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.10	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	2292	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 22-Aug-2021 22:33

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	MSS_LDEO_HRLA_LDL_008LUP	FN:7	PRODUCER	22-Aug-2021 22:20	1908.8 M	1835.7 M
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_009PUP	FN:9	PRODUCER	22-Aug-2021 22:33		
RTB	MSS_LDEO_HRLA_LDL_009PUP	FN:10	PRODUCER	22-Aug-2021 22:33		

Company: International Ocean Discovery Program Well: Expedition 396, Site U1567A

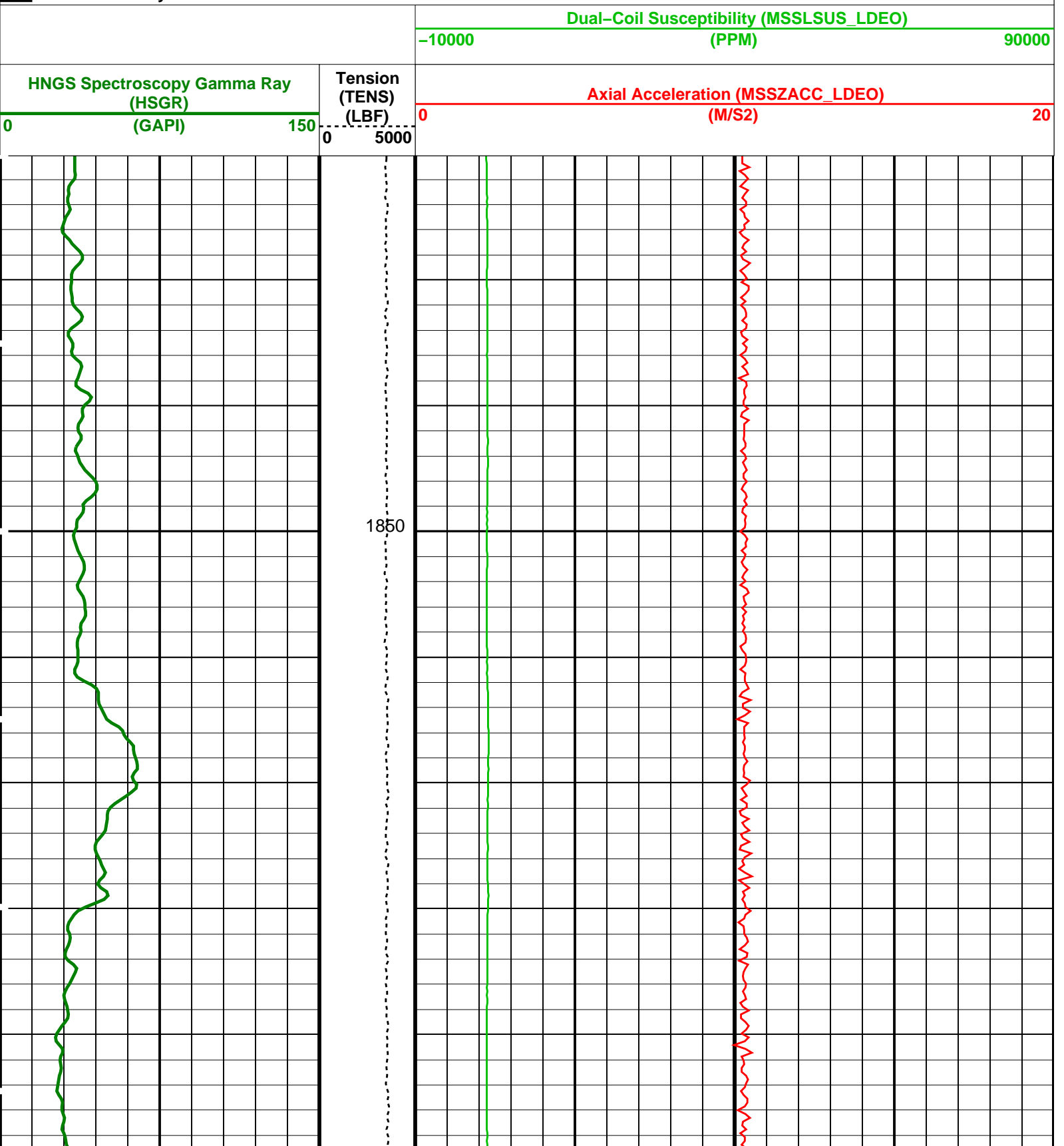
Input DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_008LUP	FN:7	PRODUCER	22-Aug-2021 22:20	1908.8 M	1835.7 M
Output DLIS Files						

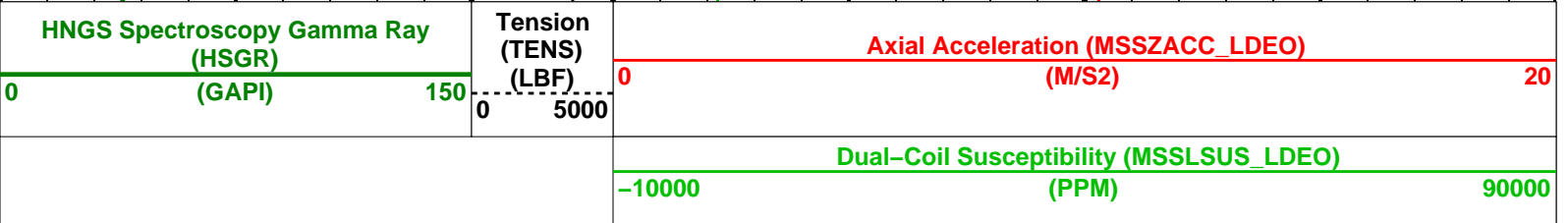
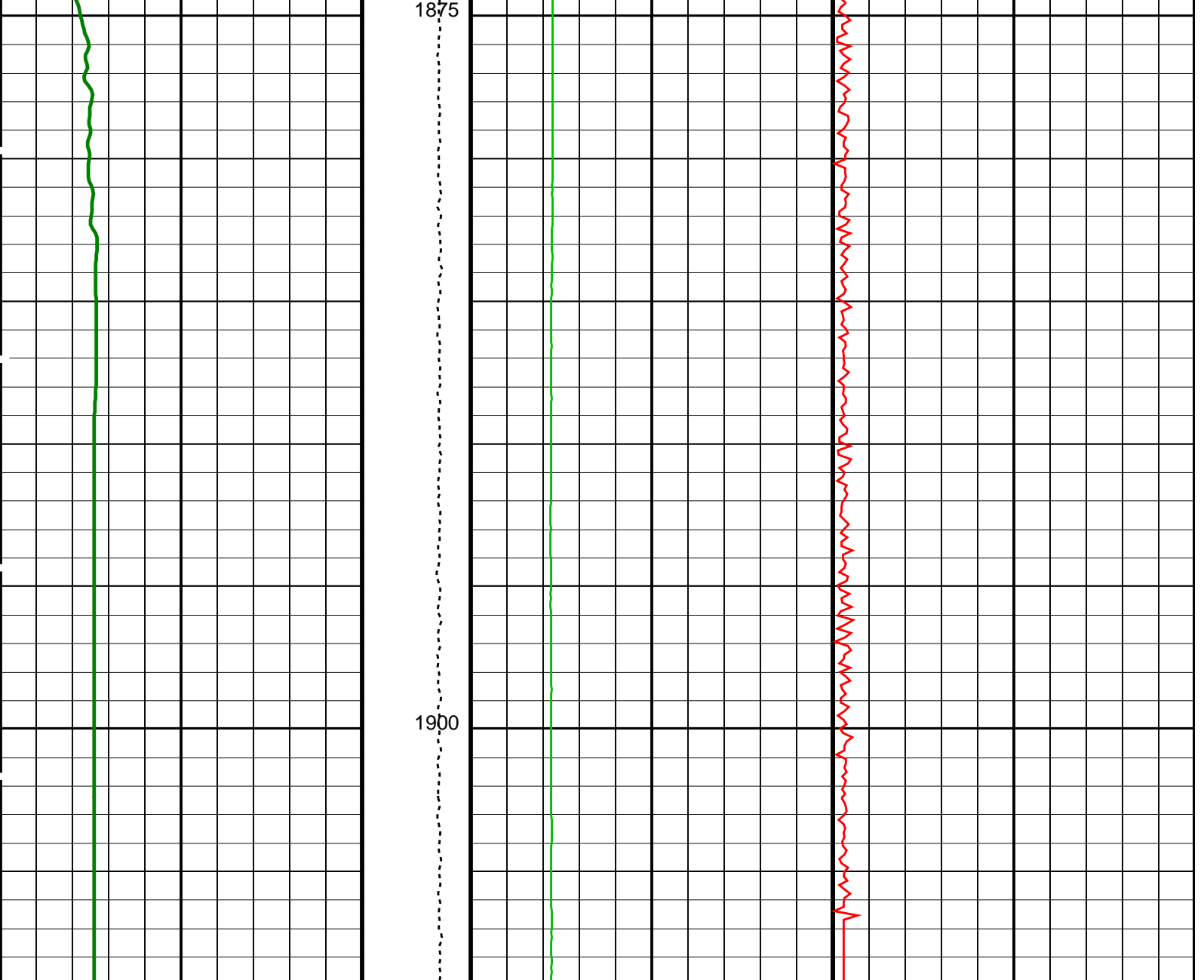
OP System Version: 19C0-187

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
BHS	HRLT-B: High Resolution Laterolog Array - B	OPEN
GCSE	Borehole Status	LCAL
BAR1	HNGS-BA: Hostile Natural Gamma Ray Sonde	1
BAR2	HNGS Detector 1 Barite Constant	1
BHK	HNGS Detector 2 Barite Constant	0
BHS	HNGS Borehole Potassium Correction Concentration	0
CSD1	Borehole Status	OPEN
CSD2	Inner Casing Outer Diameter	0 IN
CSW1	Outer Casing Outer Diameter	0 IN
CSW2	Inner Casing Weight	0 LB/F
DBCC	Outer Casing Weight	0 LB/F
GCSE	HNGS Barite Constant Correction Flag	NONE
H1P	Generalized Caliper Selection	LCAL
	HNGS Detector 1 Allow/Disallow In Processing	ALLOW

H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00364919	
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	0.926658	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.974662	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.10	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: MSS_Logging Vertical Scale: 1:200 Graphics File Created: 22-Aug-2021 22:33

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	MSS_LDEO_HRLA_LDL_008LUP	FN:7	PRODUCER	22-Aug-2021 22:20	1908.8 M	1835.7 M
---------	--------------------------	------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_009PUP	FN:9	PRODUCER	22-Aug-2021 22:33		
RTB	MSS_LDEO_HRLA_LDL_009PUP	FN:10	PRODUCER	22-Aug-2021 22:33		



MAXIS Field Log

Company: International Ocean Discovery Program Well: Expedition 396, Site U1567A

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:11	PRODUCER	22-Aug-2021 22:39	1908.8 M	1705.4 M
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:12	PRODUCER	22-Aug-2021 22:39	1908.8 M	1705.4 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
DTC-H	19C0-187		

PIP SUMMARY

Time Mark Every 60 S

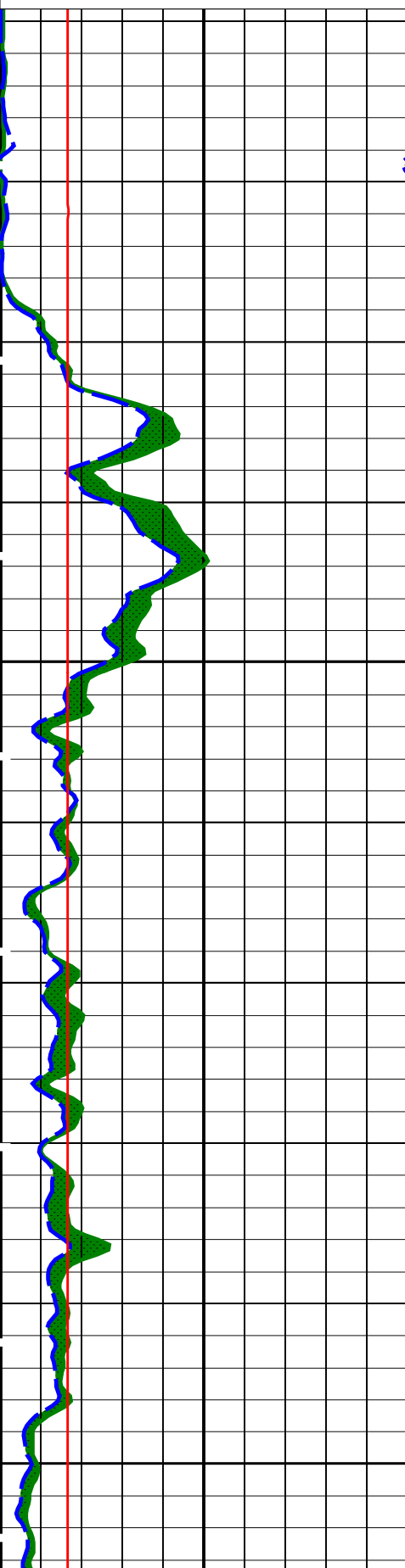
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	50

Area1

HNGS Borehole Potassium (HBHK)

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

HLDS Caliper (LCAL)
(IN) 0 20

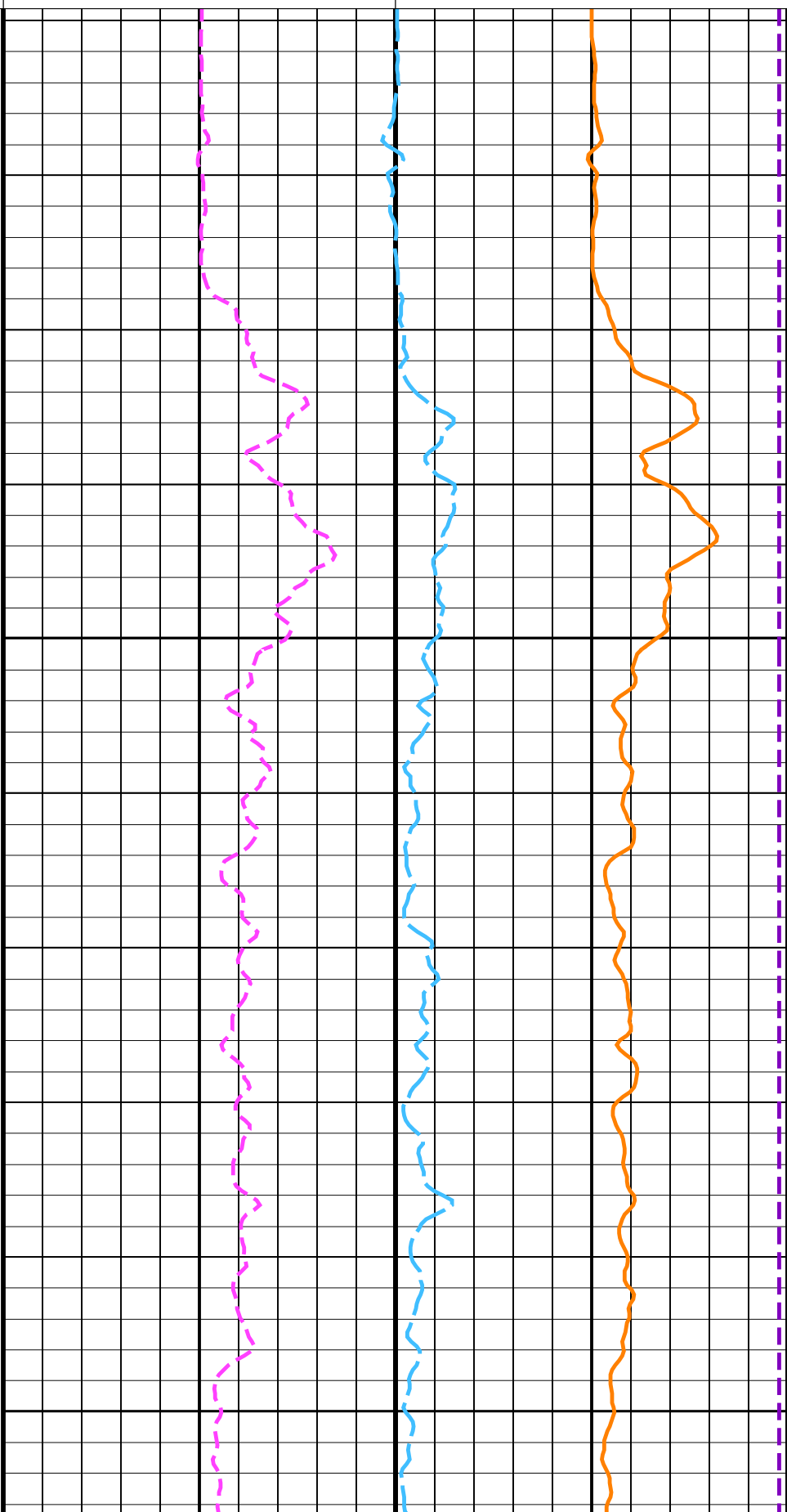


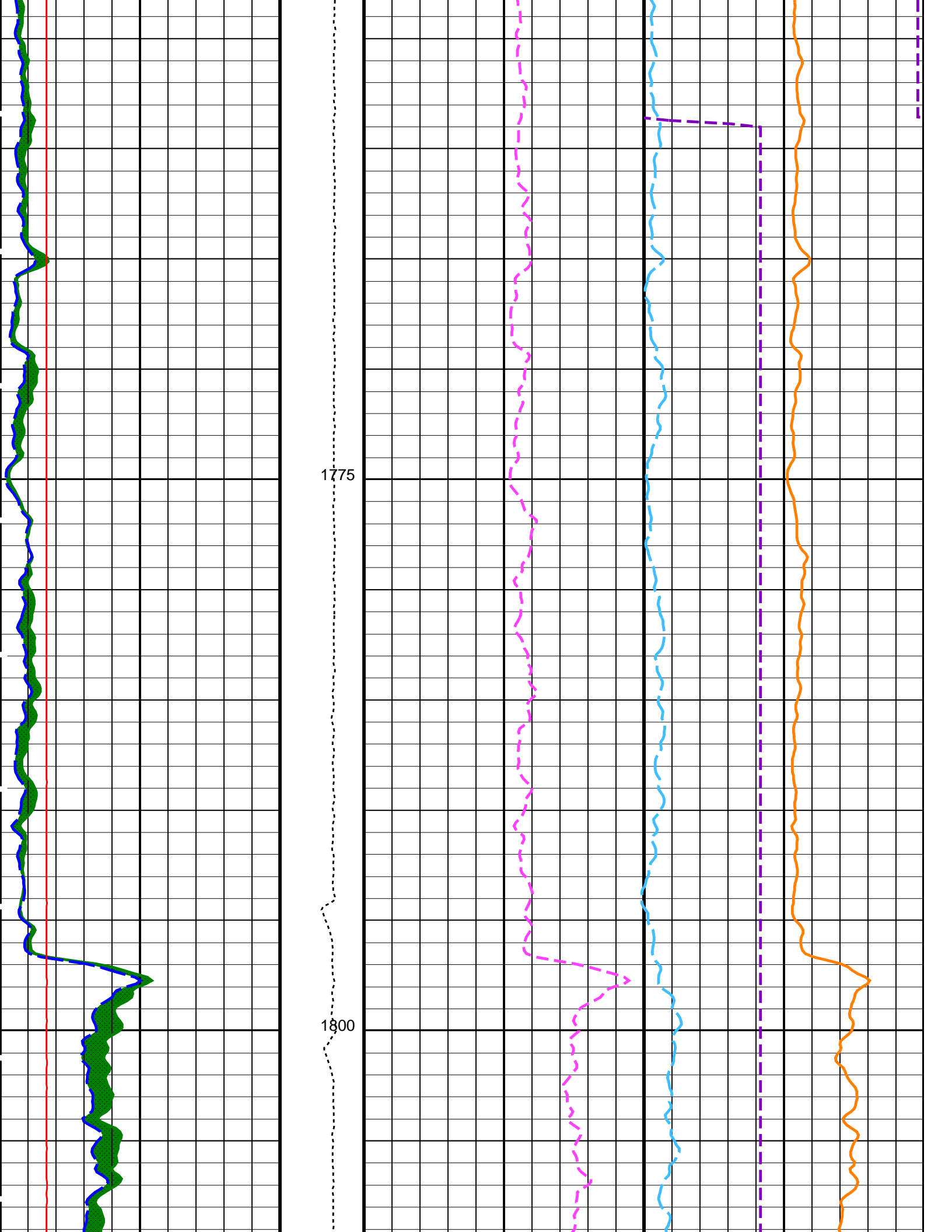
Tension
(TENS)
(LBF)
10000 0

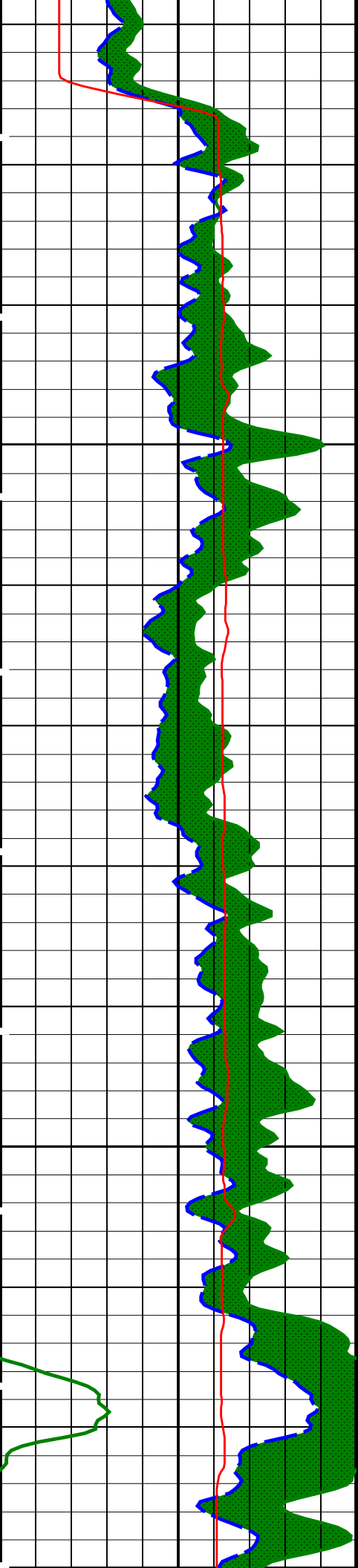
HNGS Uranium (HURA)
(PPM) -5 5

HNGS Thorium (HTHO)
(PPM) -5 5

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

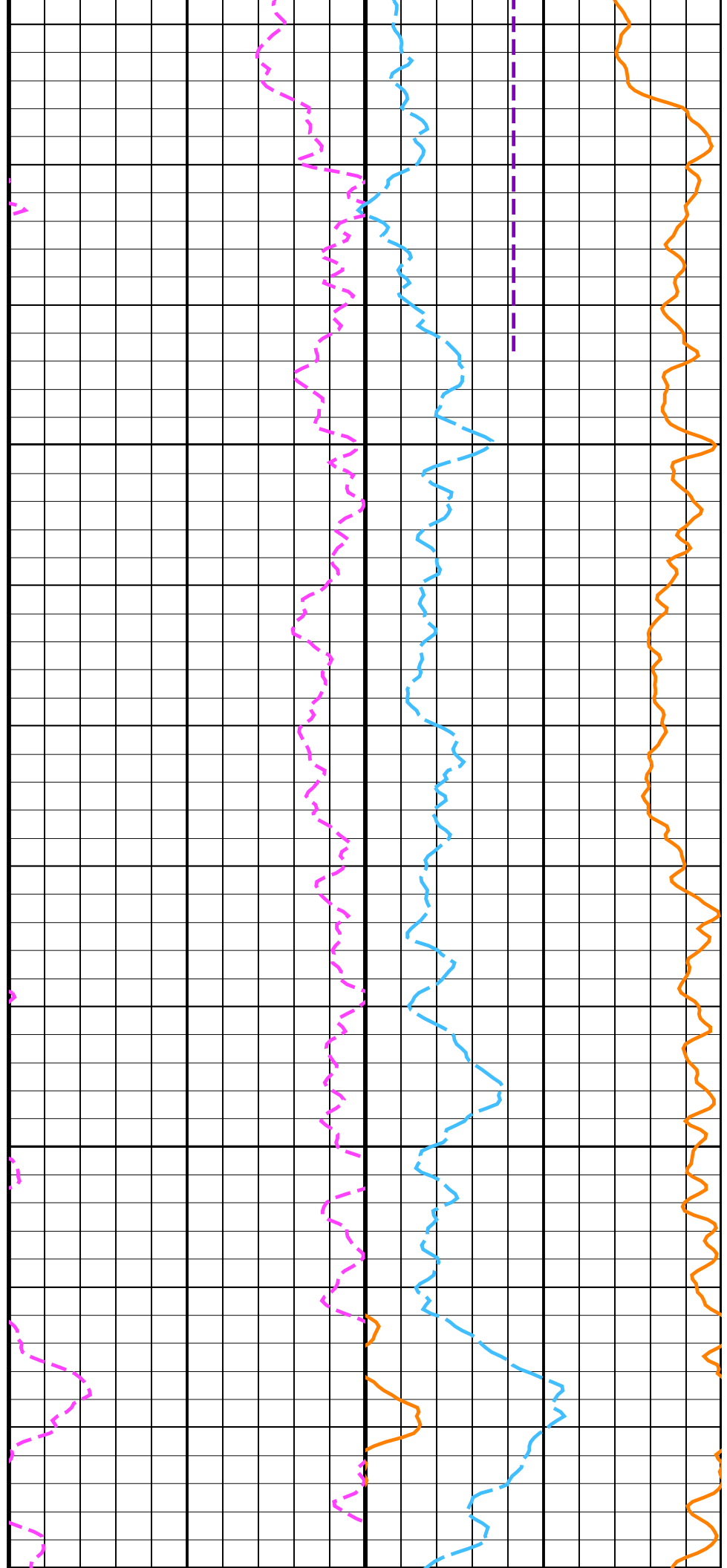


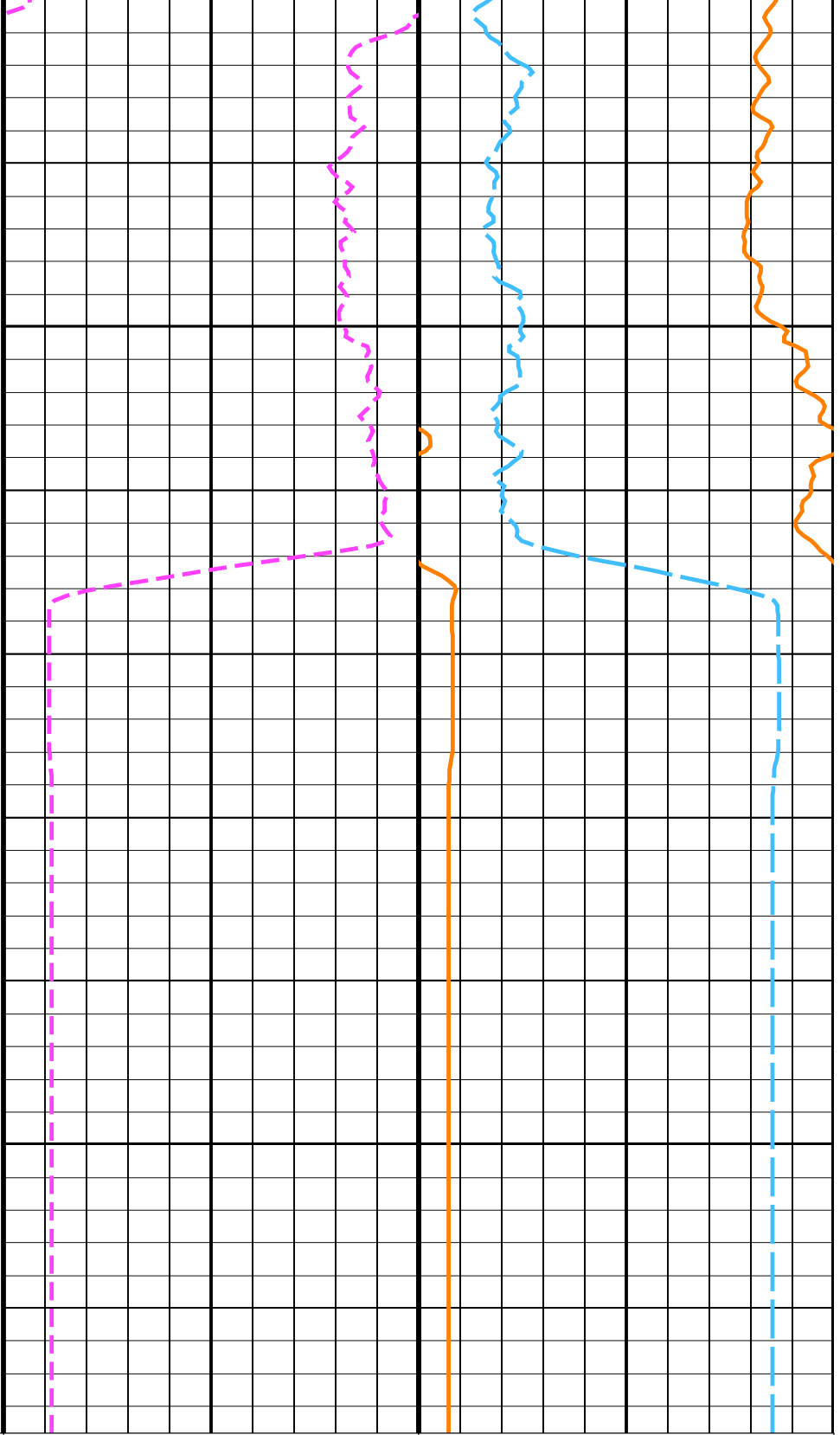
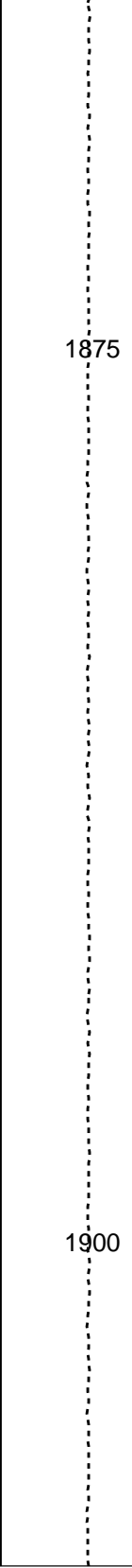
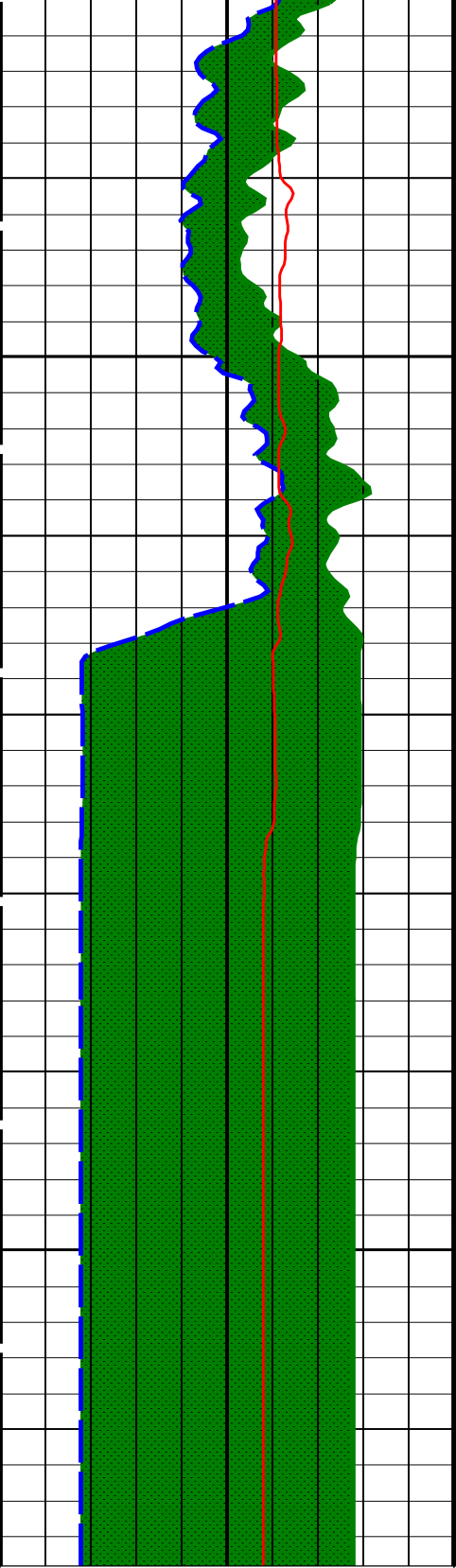




1825

1850





HLDS Caliper (LCAL)
(IN) 0 20

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

Area1
From HCGR to HSGR

HNGS Spectroscopy Gamma Ray
(HSGR)
(GAPI) 0 50

Tension
(TENS)
(LBF) 10000 0

HNGS Thorium (HTHO)
(PPM) -5 5

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

HNGS Uranium (HURA)
(PPM) -5 5

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

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	-0.00364919	
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	0.926658	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.974662	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.10	G/C3

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 22-Aug-2021 22:39

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_010LUP	FN:11	PRODUCER	22-Aug-2021 22:39
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:12	PRODUCER	22-Aug-2021 22:39

Company: International Ocean Discovery Program

Well: Expedition 396, Site U1567A

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:11	PRODUCER	22-Aug-2021 22:39	1908.8 M	1705.4 M
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:12	PRODUCER	22-Aug-2021 22:39	1908.8 M	1705.4 M

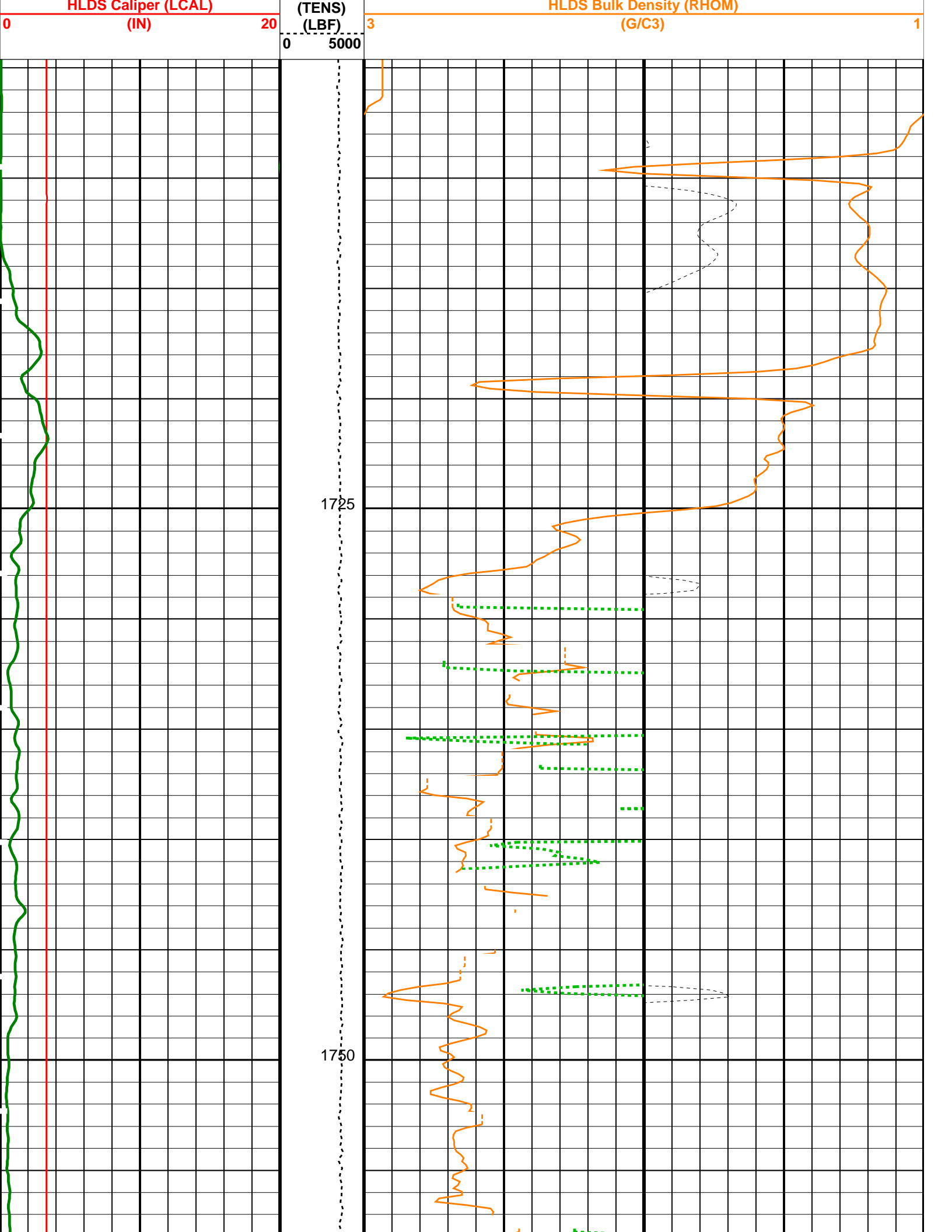
OP System Version: 19C0-187

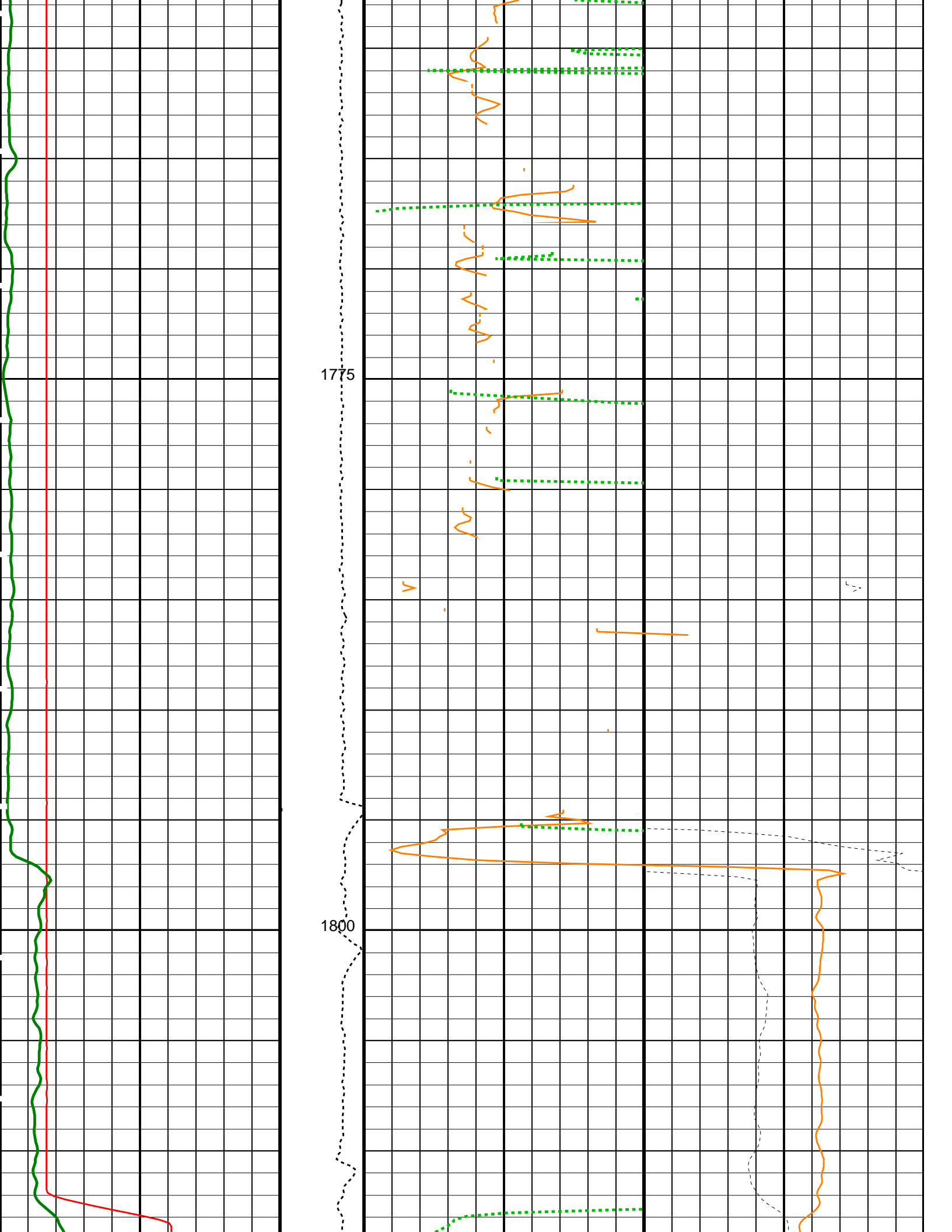
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

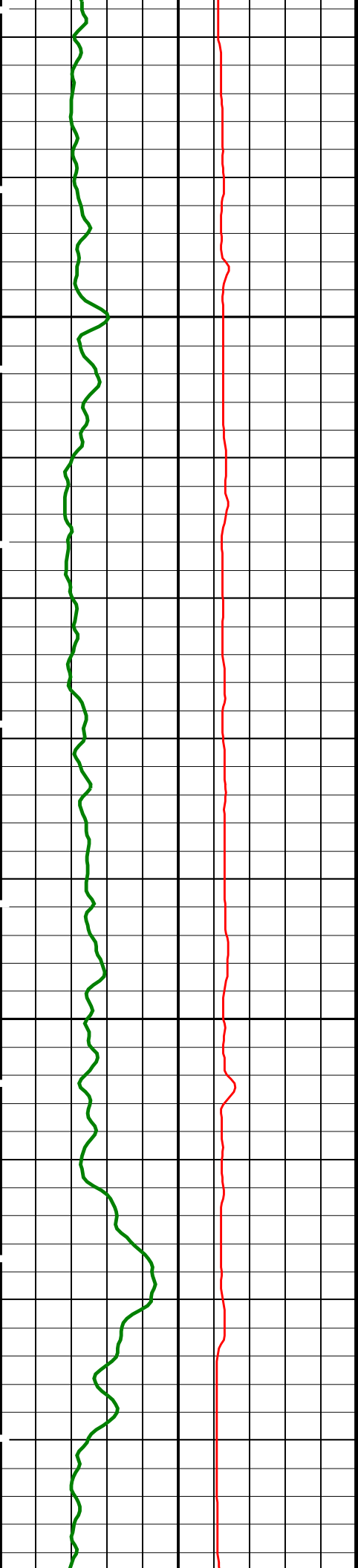
PIP SUMMARY

HNGS Spectroscopy Gamma Ray (HSGR)		HLDS Long Spaced Photoelectric Effect (PEFL)		HLDS Bulk Density Correction (DRH)	
0	(GAPI) 150	0	(----) 10	-0.25	(G/C3) 0.25

Tension

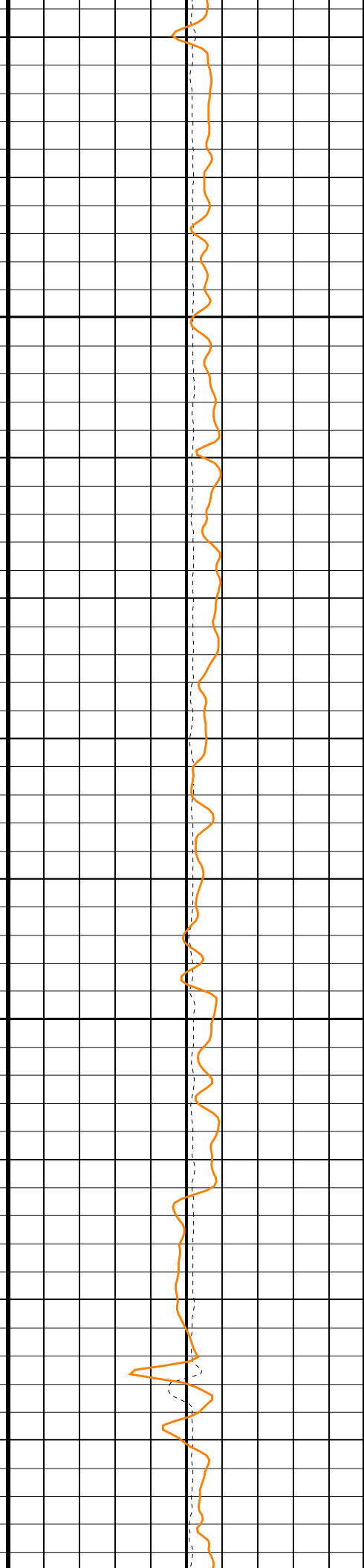
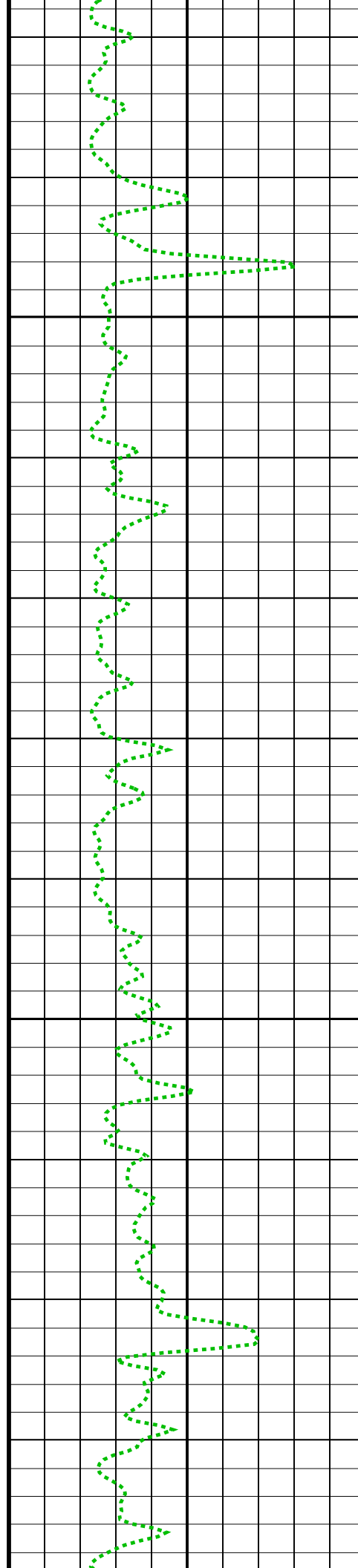


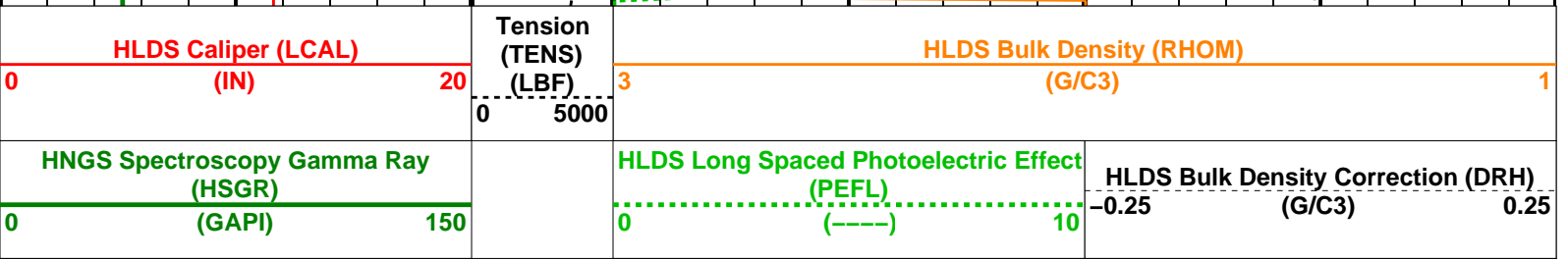
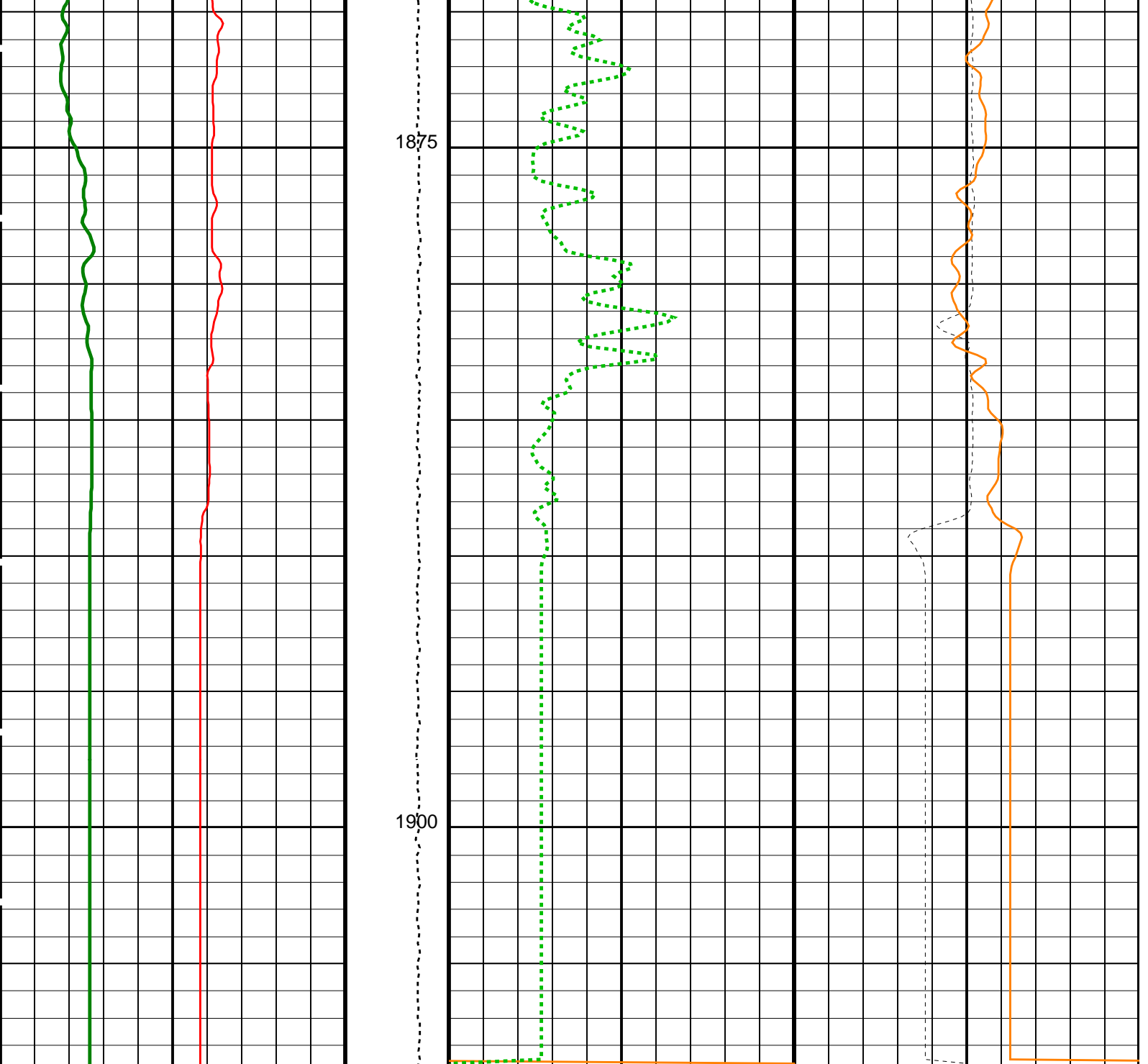




1825

1850





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	HRLT-B: High Resolution Laterolog Array - B Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
DHC	HLDS: Hostile Litho-Density Sonde 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	-0.00364919	
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	0.926658	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.974662	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.10	G/C3

Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 22-Aug-2021 22:39

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		

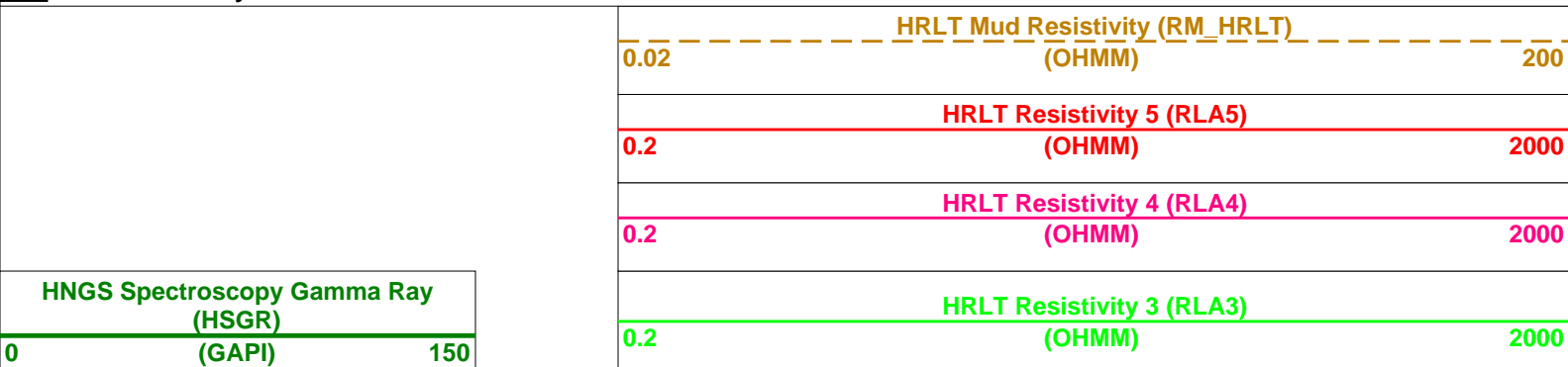
Output DLIS Files					
DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:11	PRODUCER	22-Aug-2021 22:39	
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:12	PRODUCER	22-Aug-2021 22:39	

Company: International Ocean Discovery Program Well: Expedition 396, Site U1567A

Output DLIS Files					
DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:11	PRODUCER	22-Aug-2021 22:39	1908.8 M 1705.4 M
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:12	PRODUCER	22-Aug-2021 22:39	1908.8 M 1705.4 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
DTC-H	19C0-187		

PIP SUMMARY



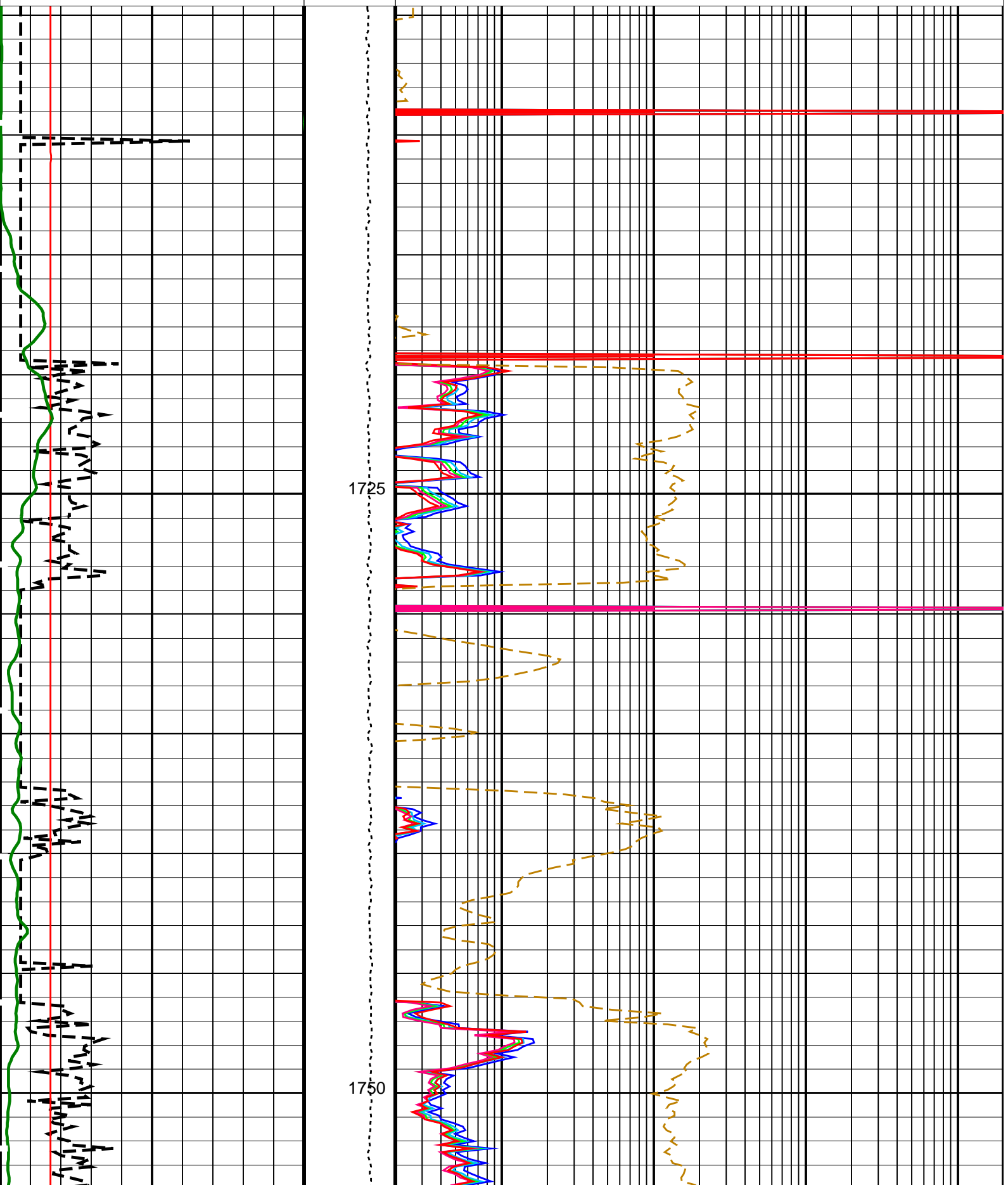
Invasion Diameter (DI_HRLT)
(IN) 0 50

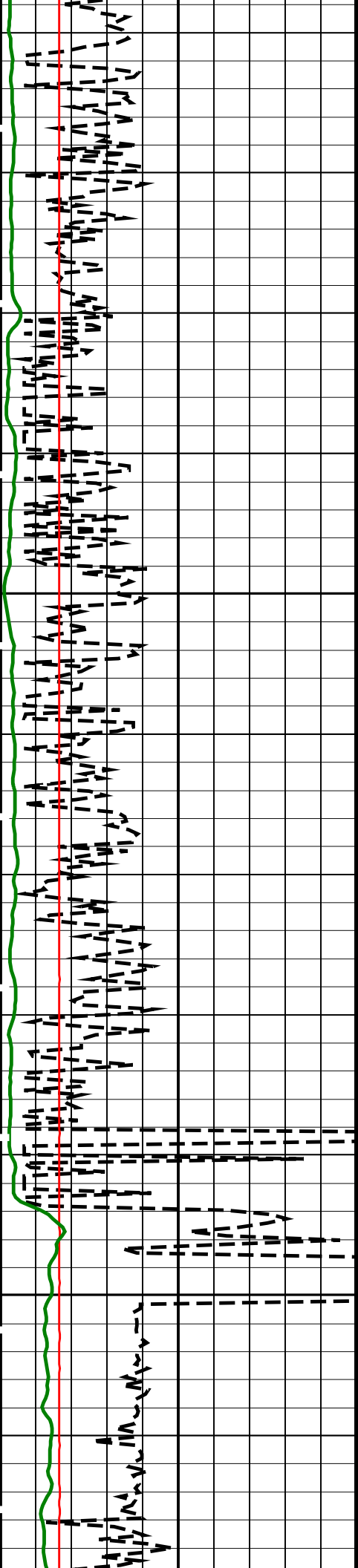
HLDS Caliper (LCAL)
(IN) 0 20

Tension
(TENS)
(LBF) 0 5000

HRLT Resistivity 2 (RLA2)
(OHMM) 0.2 2000

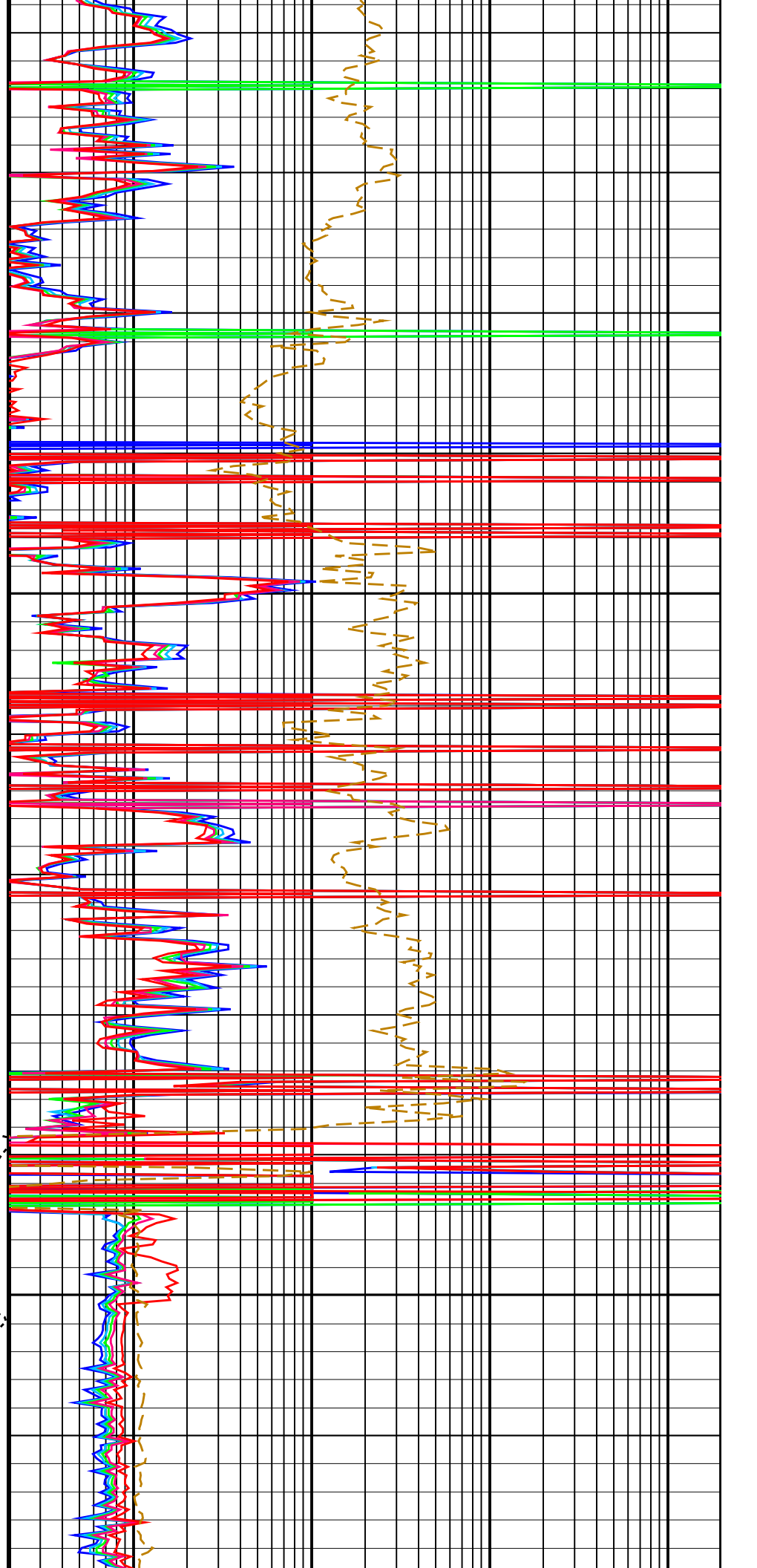
HRLT Resistivity 1 (RLA1)
(OHMM) 0.2 2000

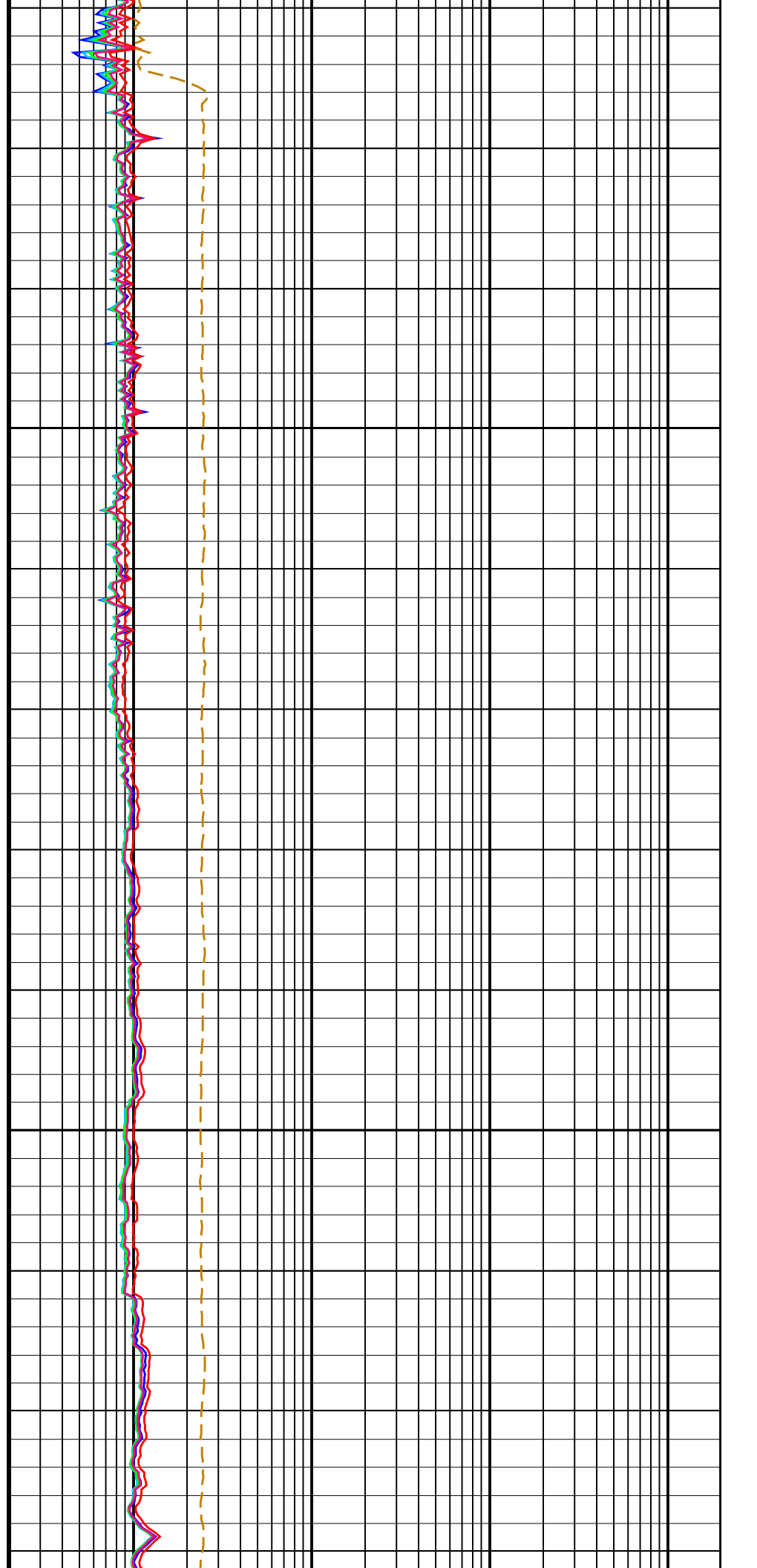
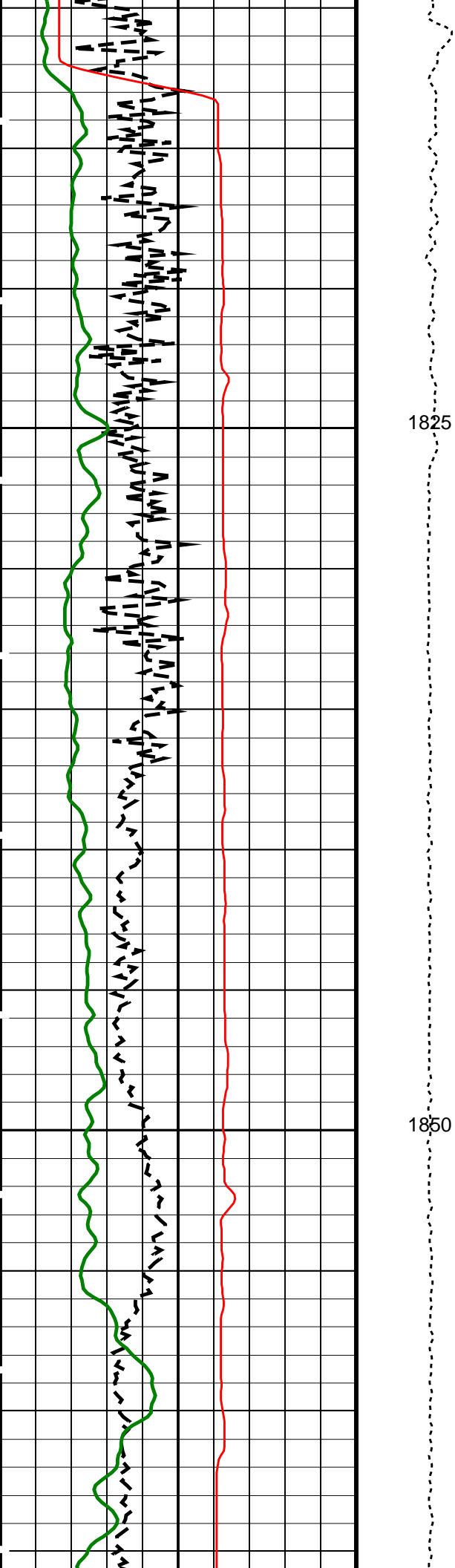


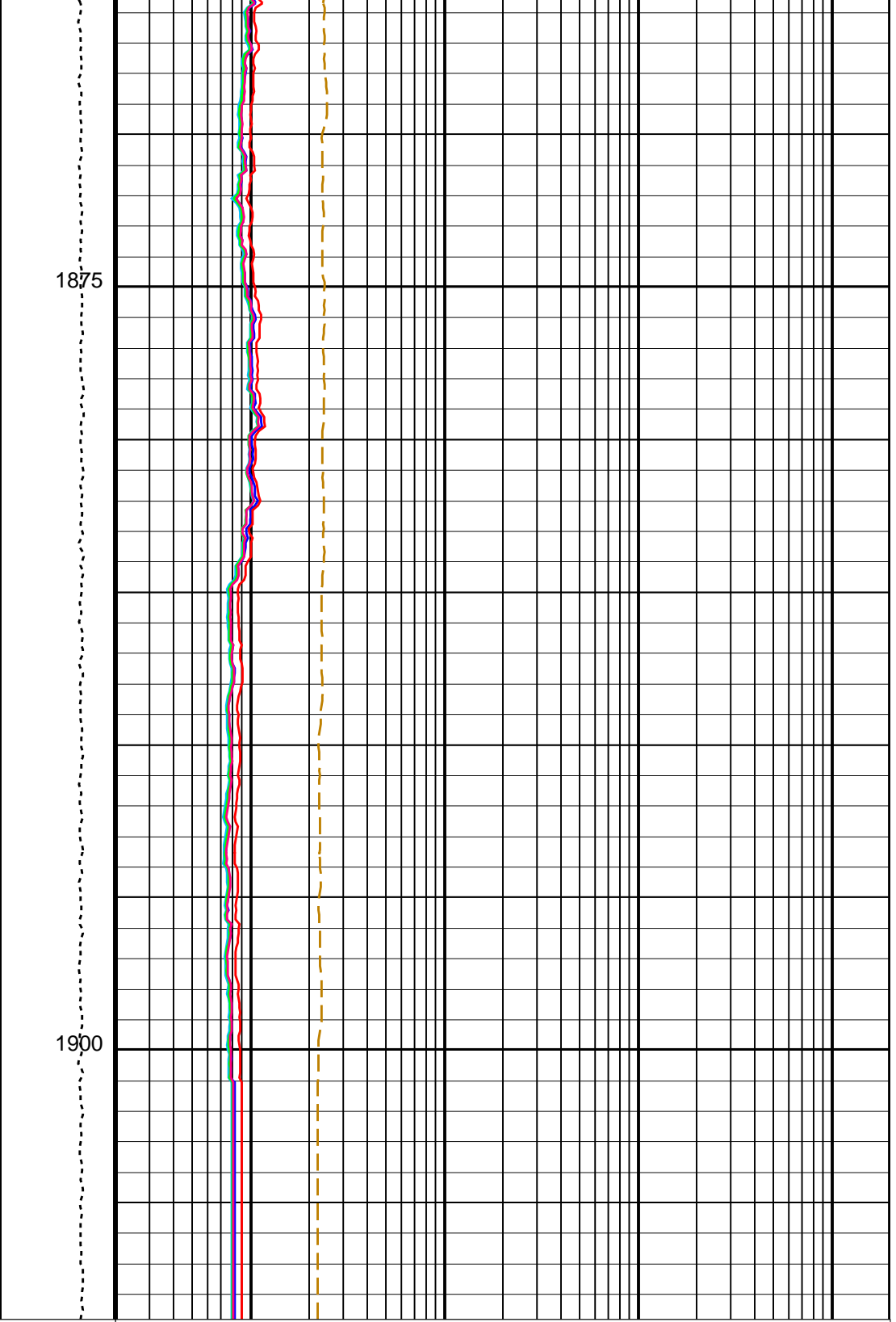
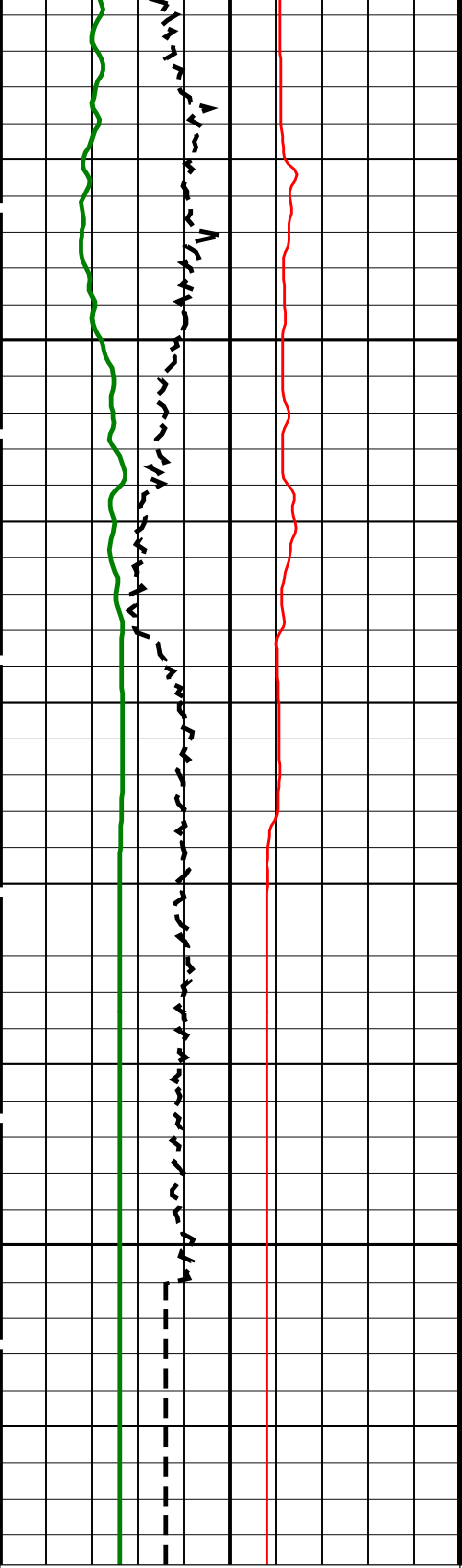


1775

1800







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

Tension
(TENS)
(LBF)

0.2	HRLT Resistivity 1 (RLA1)	2000
	(OHMM)	
0.2	HRLT Resistivity 2 (RLA2)	2000
	(OHMM)	
0.2	HRLT Resistivity 3 (RLA3)	2000
	(OHMM)	
0.2	HRLT Resistivity 4 (RLA4)	2000
	(OHMM)	
	HRLT Resistivity 5 (RLA5)	

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	-0.00364919	
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	0.926658	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.974662	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.10	G/C3
TD	Total Depth	2292	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 22-Aug-2021 22:39

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_010LUP	FN:11	PRODUCER	22-Aug-2021 22:39
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:12	PRODUCER	22-Aug-2021 22:39

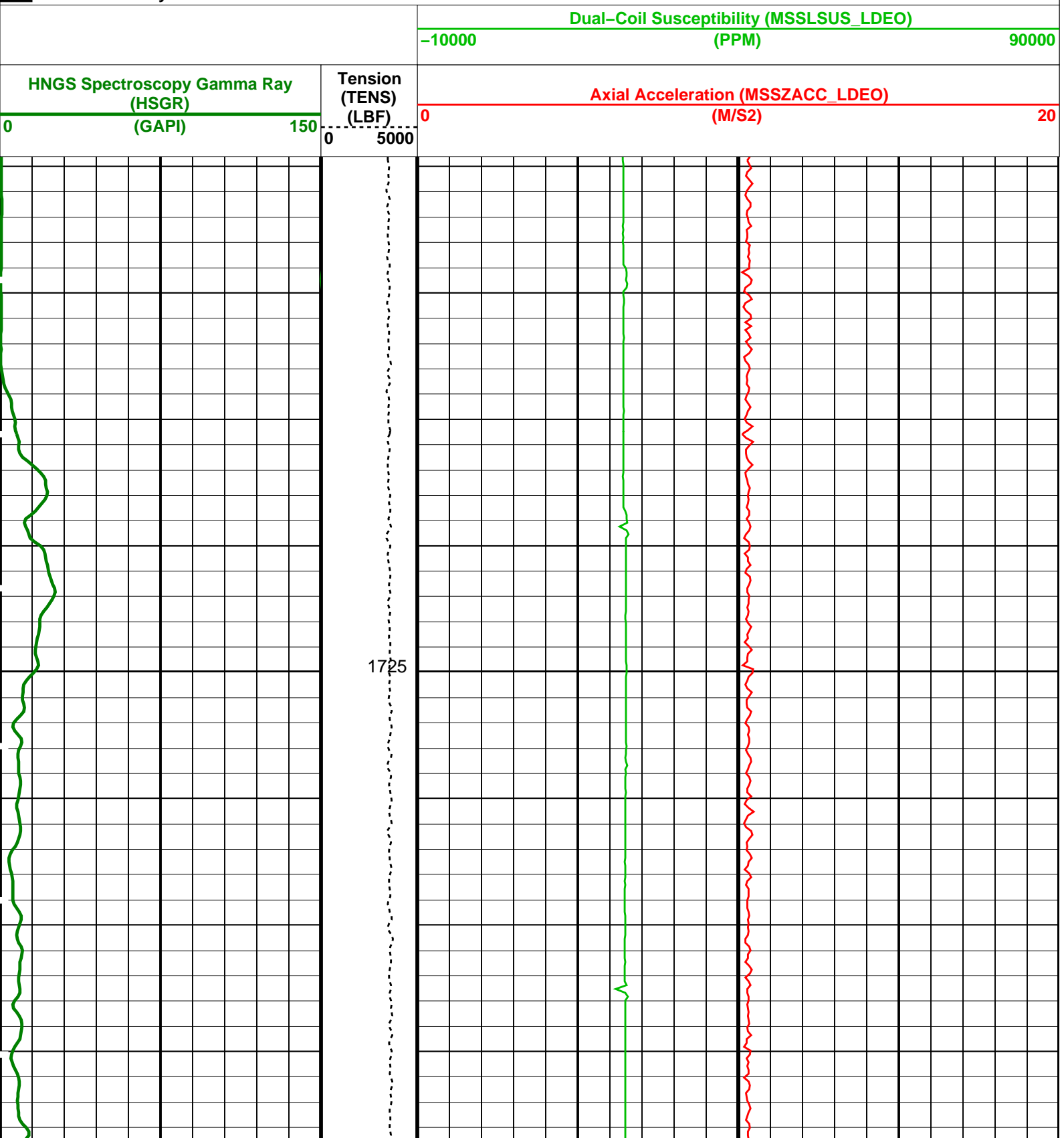
Output DLIS Files

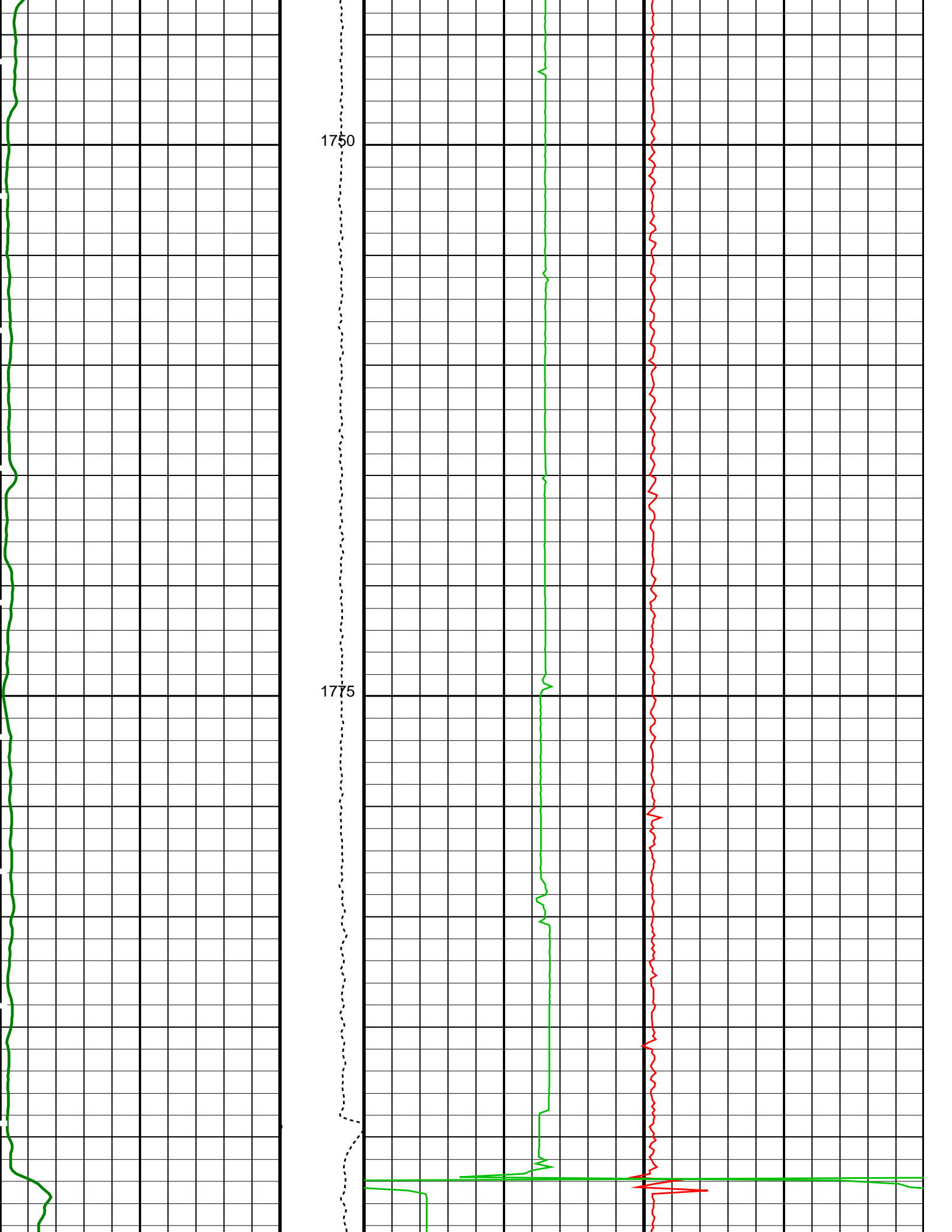
OP System Version: 19C0-187

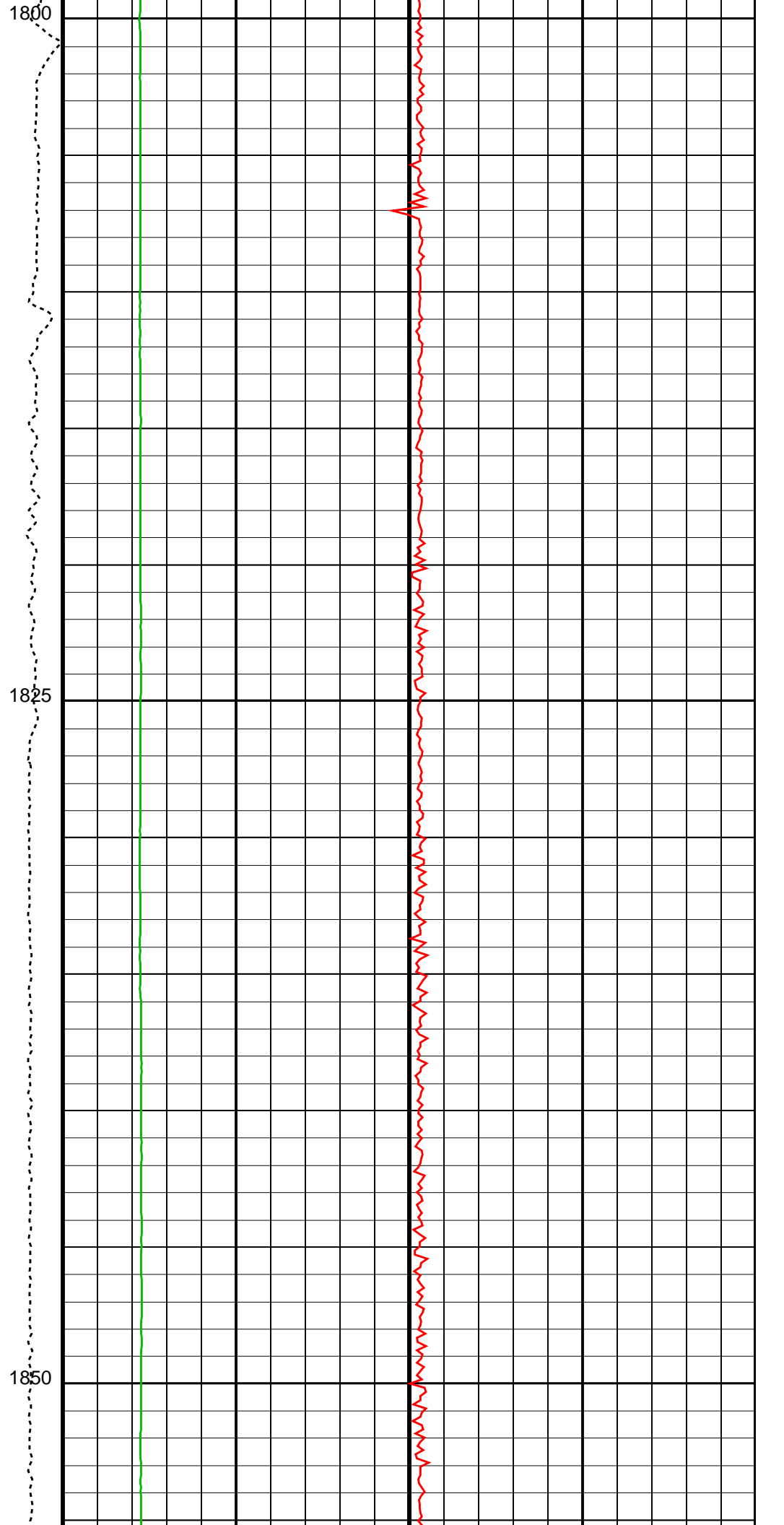
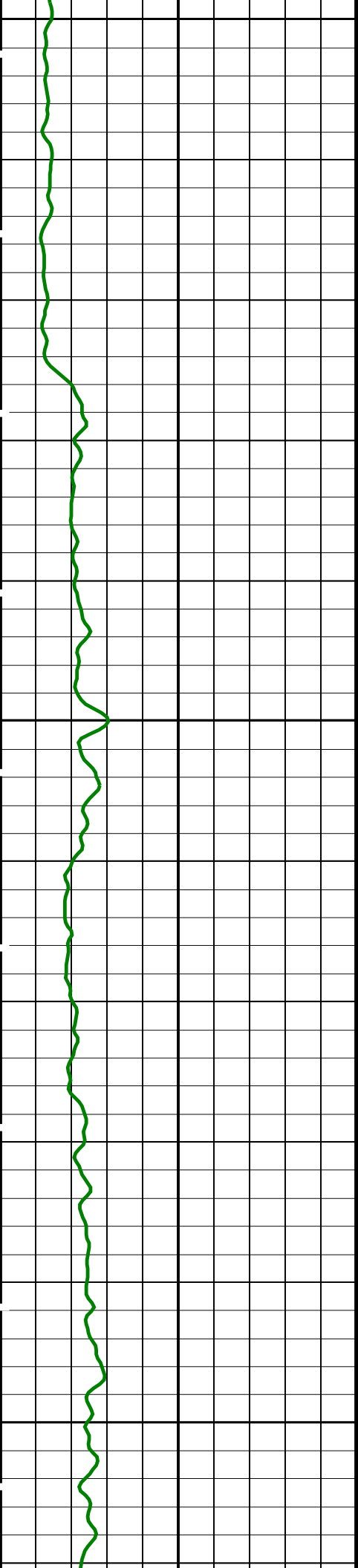
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

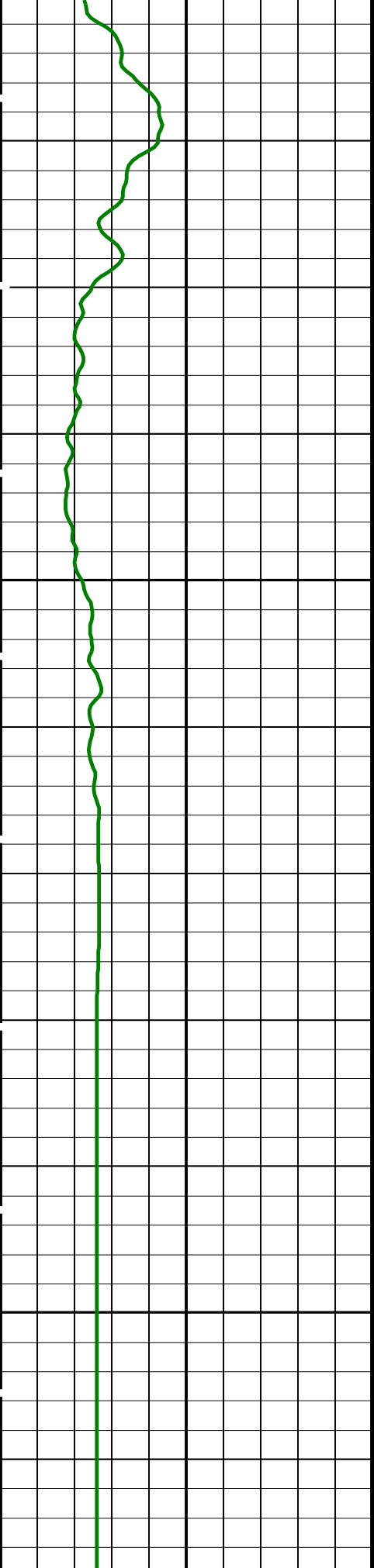
PIP SUMMARY

Time Mark Every 60 S



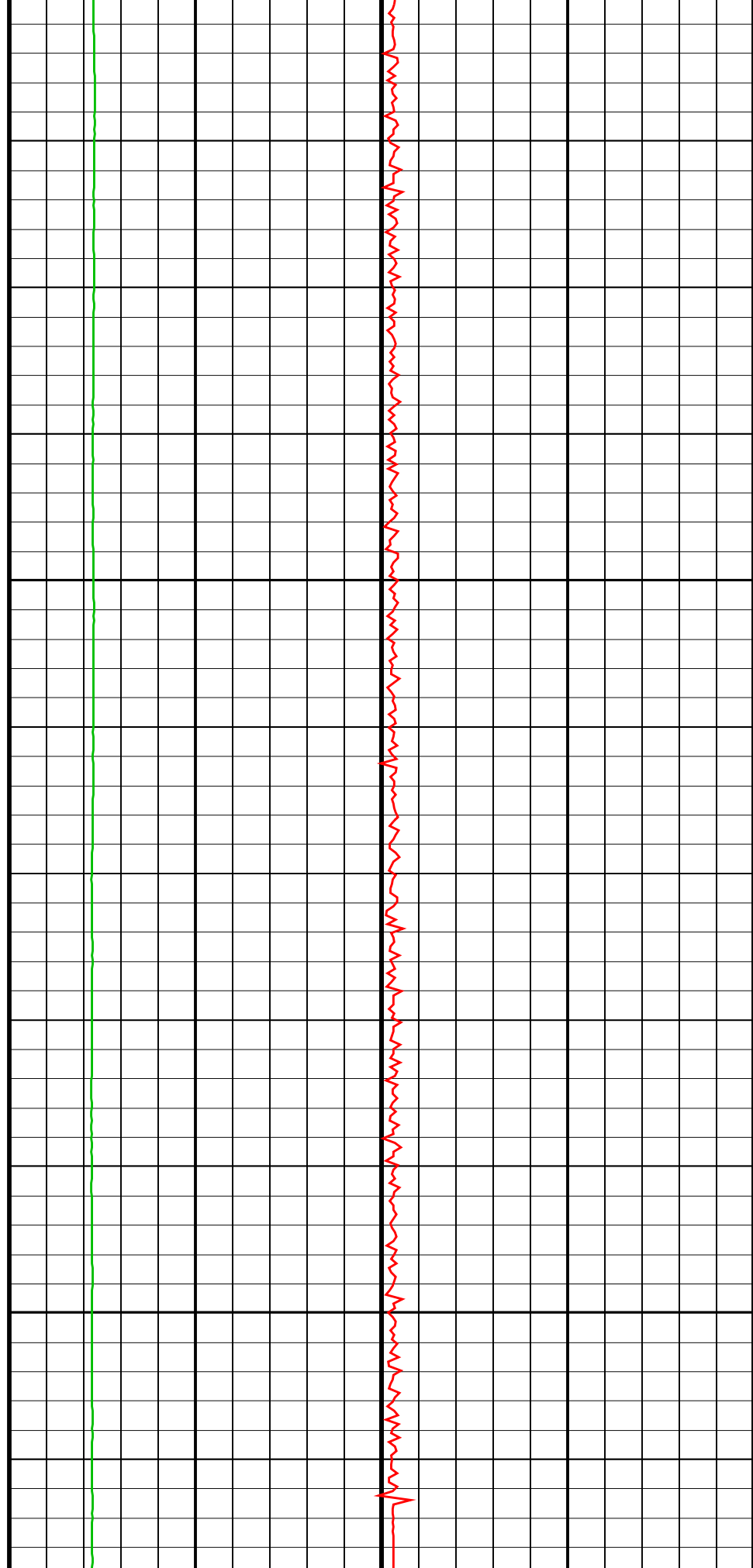






1875

1900



HNGS Spectroscopy Gamma Ray
(HSGR)

Tension
(TENS)
(LBF)

Axial Acceleration (MSSZACC_LDEO)
(M/S²)

(GAPI)

150 0 5000

Dual-Coil Susceptibility (MSSL SUS_LDEO)

-10000

(PPM)

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	-0.00364919	
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	0.926658	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.974662	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.10	G/C3

Format: MSS_Logging

Vertical Scale: 1:200

Graphics File Created: 22-Aug-2021 22:39

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_010LUP	FN:11	PRODUCER	22-Aug-2021 22:39
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:12	PRODUCER	22-Aug-2021 22:39

Schlumberger

Calibrations

MAXIS Field Log

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M01							
Before: 22–Aug–2021 20:55 After: 23–Aug–2021 0:00							
HRLT M0–M1 Voltage Plus – 0	0	N/A	-318.5	-318.4	0.03311	9.681	UV
HRLT M0–M1 Voltage Plus – 1	0	N/A	-330.4	-329.7	0.6476	9.681	UV
HRLT M0–M1 Voltage Plus – 2	0	N/A	-337.5	-337.1	0.4185	9.681	UV
HRLT M0–M1 Voltage Plus – 3	0	N/A	-328.6	-327.9	0.7800	9.681	UV
HRLT M0–M1 Voltage Plus – 4	0	N/A	-319.9	-319.6	0.2826	9.681	UV
HRLT M0–M1 Voltage Plus – 5	0	N/A	-321.6	-321.3	0.3183	9.681	UV
HRLT M0–M1 Voltage Plus – 6	0	N/A	319.6	318.6	-1.082	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: 22–Aug–2021 20:55 After: 23–Aug–2021 0:00							
HRLT M1–M2 Voltage Plus – 0	0	N/A	1739	1737	-2.155	53.42	UV
HRLT M1–M2 Voltage Plus – 1	0	N/A	1811	1805	-5.902	53.42	UV
HRLT M1–M2 Voltage Plus – 2	0	N/A	1843	1838	-4.897	53.42	UV
HRLT M1–M2 Voltage Plus – 3	0	N/A	1793	1786	-7.172	53.42	UV
HRLT M1–M2 Voltage Plus – 4	0	N/A	1744	1740	-3.986	53.42	UV
HRLT M1–M2 Voltage Plus – 5	0	N/A	1754	1750	-3.716	53.42	UV
HRLT M1–M2 Voltage Plus – 6	0	N/A	-1760	-1753	7.180	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: 22–Aug–2021 20:55 After: 23–Aug–2021 0:00							
HRLT M2–M3 Voltage Plus – 0	0	N/A	1730	1730	-0.4633	53.42	UV
HRLT M2–M3 Voltage Plus – 1	0	N/A	1812	1808	-4.492	53.42	UV
HRLT M2–M3 Voltage Plus – 2	0	N/A	1846	1844	-2.903	53.42	UV
HRLT M2–M3 Voltage Plus – 3	0	N/A	1800	1795	-4.594	53.42	UV
HRLT M2–M3 Voltage Plus – 4	0	N/A	1745	1744	-1.520	53.42	UV
HRLT M2–M3 Voltage Plus – 5	0	N/A	1756	1754	-1.725	53.42	UV
HRLT M2–M3 Voltage Plus – 6	0	N/A	-1751	-1745	6.173	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: 22–Aug–2021 20:55 After: 23–Aug–2021 0:00							
HRLT A3–A4 Voltage Plus – 0	0	N/A	68590	68540	-45.79	2100	UV
HRLT A3–A4 Voltage Plus – 1	0	N/A	71670	71490	-183.8	2100	UV
HRLT A3–A4 Voltage Plus – 2	0	N/A	73330	73180	-143.8	2100	UV
HRLT A3–A4 Voltage Plus – 3	0	N/A	71730	71500	-229.2	2100	UV
HRLT A3–A4 Voltage Plus – 4	0	N/A	69490	69390	-102.3	2100	UV
HRLT A3–A4 Voltage Plus – 5	0	N/A	69960	69840	-112.0	2100	UV
HRLT A3–A4 Voltage Plus – 6	0	N/A	-68270	-68020	248.8	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: 22–Aug–2021 20:55 After: 23–Aug–2021 0:00							
HRLT A4–A5 Voltage Plus – 0	0	N/A	68680	68630	-46.42	2100	UV
HRLT A4–A5 Voltage Plus – 1	0	N/A	71880	71720	-158.2	2100	UV
HRLT A4–A5 Voltage Plus – 2	0	N/A	73520	73370	-148.7	2100	UV
HRLT A4–A5 Voltage Plus – 3	0	N/A	71890	71660	-228.5	2100	UV
HRLT A4–A5 Voltage Plus – 4	0	N/A	69590	69490	-98.94	2100	UV
HRLT A4–A5 Voltage Plus – 5	0	N/A	70050	69940	-113.9	2100	UV
HRLT A4–A5 Voltage Plus – 6	0	N/A	-68480	-68230	249.6	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: 22–Aug–2021 20:55 After: 23–Aug–2021 0:00							
HRLT A5–A6 Voltage Plus – 0	0	N/A	68530	68480	-50.18	2100	UV
HRLT A5–A6 Voltage Plus – 1	0	N/A	71740	71540	-203.0	2100	UV
HRLT A5–A6 Voltage Plus – 2	0	N/A	73350	73220	-129.8	2100	UV
HRLT A5–A6 Voltage Plus – 3	0	N/A	71730	71500	-228.5	2100	UV
HRLT A5–A6 Voltage Plus – 4	0	N/A	69480	69370	-113.0	2100	UV
HRLT A5–A6 Voltage Plus – 5	0	N/A	69910	69800	-107.4	2100	UV
HRLT A5–A6 Voltage Plus – 6	0	N/A	-68320	-68070	253.1	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: 22–Aug–2021 20:55 After: 23–Aug–2021 0:00							
HRLT Torpedo–M0 Voltage – 0	0	N/A	-68070	-68020	44.33	2100	UV
HRLT Torpedo–M0 Voltage – 1	0	N/A	-71530	-71360	170.4	2100	UV
HRLT Torpedo–M0 Voltage – 2	0	N/A	-73190	-73070	118.1	2100	UV
HRLT Torpedo–M0 Voltage – 3	0	N/A	-71660	-71440	214.8	2100	UV
HRLT Torpedo–M0 Voltage – 4	0	N/A	-69430	-69340	92.55	2100	UV
HRLT Torpedo–M0 Voltage – 5	0	N/A	-69880	-69780	100.8	2100	UV
HRLT Torpedo–M0 Voltage – 6	0	N/A	68070	67840	-223.5	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: 22–Aug–2021 20:55 After: 23–Aug–2021 0:00							

HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68100	-68060	36.55	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-71620	-71440	175.6	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-73280	-73160	119.6	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-71720	-71500	220.6	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-69480	-69380	94.47	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-69920	-69820	97.68	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	68170	67920	-240.8	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: 22-Aug-2021 20:55 After: 23-Aug-2021 0:00

HRLT Source Current Plus - 0	0	N/A	284.1	284.1	-0.04202	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: 22-Aug-2021 20:55 After: 23-Aug-2021 0:00

HRLT Vertical Voltage PI - 0	0	N/A	-320.4	-320.4	0.03366	9.681	UV
HRLT Vertical Voltage PI - 1	0	N/A	-325.3	-324.6	0.7455	9.681	UV
HRLT Vertical Voltage PI - 2	0	N/A	-331.1	-330.7	0.4756	9.681	UV
HRLT Vertical Voltage PI - 3	0	N/A	-320.7	-319.8	0.8980	9.681	UV
HRLT Vertical Voltage PI - 4	0	N/A	-309.1	-308.8	0.2681	9.681	UV
HRLT Vertical Voltage PI - 5	0	N/A	-325.7	-325.3	0.3372	9.681	UV
HRLT Vertical Voltage PI - 6	0	N/A	327.4	326.3	-1.078	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: 22-Aug-2021 20:58 After: 23-Aug-2021 0:23

SS Cs Resolution Bkg	9.000	7.698	7.669	7.768	0.09943	1.800	%
LS Cs Resolution Bkg	9.000	7.989	7.979	7.968	-0.01081	1.800	%
LSW1 Background	100.0	71.96	70.22	70.72	0.5051	3.000	CPS
LSW2 Background	100.0	65.02	63.88	64.49	0.6149	3.000	CPS
LSW3 Background	200.0	146.1	145.2	144.9	-0.2889	6.000	CPS
LSW4 Background	250.0	183.2	179.5	180.5	1.080	7.500	CPS
LSW5 Background	600.0	424.9	419.2	422.1	2.905	18.00	CPS
SSW1 Background	100.0	68.97	68.35	67.81	-0.5353	3.000	CPS
SSW2 Background	200.0	118.2	118.6	116.4	-2.220	6.000	CPS
SSW3 Background	500.0	331.3	328.3	326.9	-1.446	15.00	CPS
SSW4 Background	270.0	178.4	178.4	176.4	-2.019	8.100	CPS
SSW5 Background	200.0	127.4	125.7	126.5	0.8212	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: 22-Aug-2021 20:59 After: 23-Aug-2021 0:24

Na 511 Peak Loc	40.00	39.25	39.60	39.54	-0.06104	1.000	
Na 511 Peak Res	15.50	16.53	14.91	16.48	1.579	2.000	%

High Voltage	1150	1197	1179	1181	1.579	N/A	V
Na 1785 Peak Loc	142.6	141.8	141.8	141.6	-0.1164	7.000	
Na 1785 Peak Res	8.500	8.905	8.936	7.264	-1.671	2.000	%
Temperature	15.50	26.59	18.29	17.75	-0.5465	N/A	DEGC
Na Count Rate	45.00	12.01	10.39	11.09	0.6994	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: Calibration out of date 2-May-2021 10:04 Before: 22-Aug-2021 20:59 After: 23-Aug-2021 0:24

Na 511 Peak Loc	40.00	39.88	39.88	39.62	-0.2551	1.000	
Na 511 Peak Res	15.50	15.29	15.33	15.94	0.6107	2.000	%
High Voltage	1150	1122	1106	1105	-1.054	N/A	V
Na 1785 Peak Loc	142.6	142.6	143.1	140.7	-2.368	7.000	
Na 1785 Peak Res	8.500	8.040	8.635	9.550	0.9146	2.000	%
Temperature	15.50	27.21	18.87	19.45	0.5789	N/A	DEGC
Na Count Rate	45.00	12.32	10.24	10.92	0.6809	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: 22-Aug-2021 20:59 After: 23-Aug-2021 0:24

Coincidence Count Rate Ratio	1.000	0.9728	1.014	1.016	0.001396	0.05000	
------------------------------	-------	--------	-------	-------	----------	---------	--

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		-318.5	-322.7	-280.7	-379.7
	After		-318.4			
1	Before		-330.4	-322.7	-280.7	-379.7
	After		-329.7			
2	Before		-337.5	-322.7	-280.7	-379.7
	After		-337.1			
3	Before		-328.6	-322.7	-280.7	-379.7
	After		-327.9			
4	Before		-319.9	-322.7	-280.7	-379.7
	After		-319.6			
5	Before		-321.6	-322.7	-280.7	-379.7
	After		-321.3			
6	Before		319.6	322.7	379.7	280.7
	After		318.6			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
		(Minimum) (Nominal) (Maximum)				

Before: 22-Aug-2021 20:55

After: 23-Aug-2021 0:00

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		1737			

1	Before		1811	1781	2095	1549
	After		1805			
2	Before		1843	1781	2095	1549
	After		1838			
3	Before		1793	1781	2095	1549
	After		1786			
4	Before		1744	1781	2095	1549
	After		1740			
5	Before		1754	1781	2095	1549
	After		1750			
6	Before		-1760	-1781	-1549	-2095
	After		-1753			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						
Before: 22-Aug-2021 20:55						
After: 23-Aug-2021 0:00						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2-M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1730	1781	2095	1549
	After		1730			
1	Before		1812	1781	2095	1549
	After		1808			
2	Before		1846	1781	2095	1549
	After		1844			
3	Before		1800	1781	2095	1549
	After		1795			
4	Before		1745	1781	2095	1549
	After		1744			
5	Before		1756	1781	2095	1549
	After		1754			
6	Before		-1751	-1781	-1549	-2095
	After		-1745			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						
Before: 22-Aug-2021 20:55						
After: 23-Aug-2021 0:00						

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		68540			
1	Before		71670	70000	82360	60900
	After		71490			

Idx	Phase	HRLT A4-A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
2	Before		73330	70000	82360	60900
	After		73180			
3	Before		71730	70000	82360	60900
	After		71500			
4	Before		69490	70000	82360	60900
	After		69390			
5	Before		69960	70000	82360	60900
	After		69840			
6	Before		-68270	-70000	-60900	-82360
	After		-68020			
7	Before		70000	70000	82360	60900
	After		70000			
		(Minimum) (Nominal) (Maximum)				
Before: 22-Aug-2021 20:55						
After: 23-Aug-2021 0:00						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4-A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68680	70000	82360	60900
	After		68630			
1	Before		71880	70000	82360	60900
	After		71720			
2	Before		73520	70000	82360	60900
	After		73370			
3	Before		71890	70000	82360	60900
	After		71660			
4	Before		69590	70000	82360	60900
	After		69490			
5	Before		70050	70000	82360	60900
	After		69940			
6	Before		-68480	-70000	-60900	-82360
	After		-68230			
7	Before		70000	70000	82360	60900
	After		70000			
		(Minimum) (Nominal) (Maximum)				
Before: 22-Aug-2021 20:55						
After: 23-Aug-2021 0:00						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5-A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68530	70000	82360	60900
	After		68480			
1	Before		71740	70000	82360	60900
	After		71540			
2	Before		73350	70000	82360	60900
	After		73220			

Idx	Phase	Value	Nominal	Maximum	Minimum
3	Before	71730	70000	82360	60900
	After	71500			
4	Before	69480	70000	82360	60900
	After	69370			
5	Before	69910	70000	82360	60900
	After	69800			
6	Before	-68320	-70000	-60900	-82360
	After	-68070			
7	Before	70000	70000	82360	60900
	After	70000			
		(Minimum)	(Nominal)	(Maximum)	
Before: 22-Aug-2021 20:55					
After: 23-Aug-2021 0:00					

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT VTP						
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68070	-70000	-60900	-82360
	After		-68020			
1	Before		-71530	-70000	-60900	-82360
	After		-71360			
2	Before		-73190	-70000	-60900	-82360
	After		-73070			
3	Before		-71660	-70000	-60900	-82360
	After		-71440			
4	Before		-69430	-70000	-60900	-82360
	After		-69340			
5	Before		-69880	-70000	-60900	-82360
	After		-69780			
6	Before		68070	70000	82360	60900
	After		67840			
7	Before		-70000	-70000	-60900	-82360
	After		-70000			
		(Minimum)	(Nominal)	(Maximum)		
Before: 22-Aug-2021 20:55						
After: 23-Aug-2021 0:00						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT VBD						
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68100	-70000	-60900	-82360
	After		-68060			
1	Before		-71620	-70000	-60900	-82360
	After		-71440			
2	Before		-73280	-70000	-60900	-82360
	After		-73160			
3	Before		-71720	-70000	-60900	-82360
	After		-71500			

Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
4	Before		-69480	-70000	-60900	-82360
	After		-69380			
5	Before		-69920	-70000	-60900	-82360
	After		-69820			
6	Before		68170	70000	82360	60900
	After		67920			
7	Before		-70000	-70000	-60900	-82360
	After		-70000			
		(Minimum) (Nominal) (Maximum)				

Before: 22-Aug-2021 20:55
After: 23-Aug-2021 0:00

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT ISO						
Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
0	Before		284.1	284.0	334.1	247.0
	After		284.1			
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: 22-Aug-2021 20:55
After: 23-Aug-2021 0:00

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.4	-322.7	-280.7	-379.7
	After		-320.4			
1	Before		-325.3	-322.7	-280.7	-379.7
	After		-324.6			
2	Before		-331.1	-322.7	-280.7	-379.7
	After		-330.7			
3	Before		-320.7	-322.7	-280.7	-379.7
	After		-319.8			
4	Before		-309.1	-322.7	-280.7	-379.7
	After		-308.8			

5	Before		-325.7	-322.7	-280.7	-379.7
	After		-325.3			
6	Before		327.4	322.7	379.7	280.7
	After		326.3			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
			(Minimum)	(Nominal)	(Maximum)	
Before: 22-Aug-2021 20:55						
After: 23-Aug-2021 0:00						

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		7.669	Before		7.979	Before		70.22
After		7.768	After		7.968	After		70.72
7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (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		63.88	Before		145.2	Before		179.5
After		64.49	After		144.9	After		180.5
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		419.2	Before		68.35	Before		118.6
After		422.1	After		67.81	After		116.4
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		328.3	Before		178.4	Before		125.7
After		326.9	After		176.4	After		126.5
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: 22-Aug-2021 20:58			After: 23-Aug-2021 0:23		

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		39.60	Before		14.91	Before		1179	
After		39.54	After		16.48	After		1181	
	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		141.8	Before		8.936	Before		18.29	
After		141.6	After		7.264	After		17.75	
	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		10.39							
After		11.09							
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)						




Master: Calibration out of date 2-May-2021 10:04 Before: 22-Aug-2021 20:59 After: 23-Aug-2021 0:24

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		39.88	Before		15.33	Before		1106	
After		39.62	After		15.94	After		1105	
	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		143.1	Before		8.635	Before		18.87	
After		140.7	After		9.550	After		19.45	
	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		10.24							
After		10.02							

After	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)	10.92
Master: Calibration out of date		2-May-2021 10:04	Before: 22-Aug-2021 20:59	After: 23-Aug-2021 0:24

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9728
Before		1.014
After		1.016
	0.9500 (Minimum)	1.050 (Maximum)
Master: Calibration out of date		2-May-2021 10:04
Before: 22-Aug-2021 20:59		
After: 23-Aug-2021 0:24		

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 U1567A**

Field: **Mid-Norwegian Cont. Margin Magmatism**

Rig: **JOIDES Resolution**

Country: **Iceland**

High Resolution Laterolog (HRLA)

Litho Density (HLDS)

Natural Gamma / MSS (HNGS)