

DISCLAIMER

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OTHER SERVICES1

OS1: FMS
OS2: DSI

REMARKS: RUN NUMBER 1

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

Drill pipe set at 2940mbrf (104mbrf).

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 2975mbrf for pipe entry

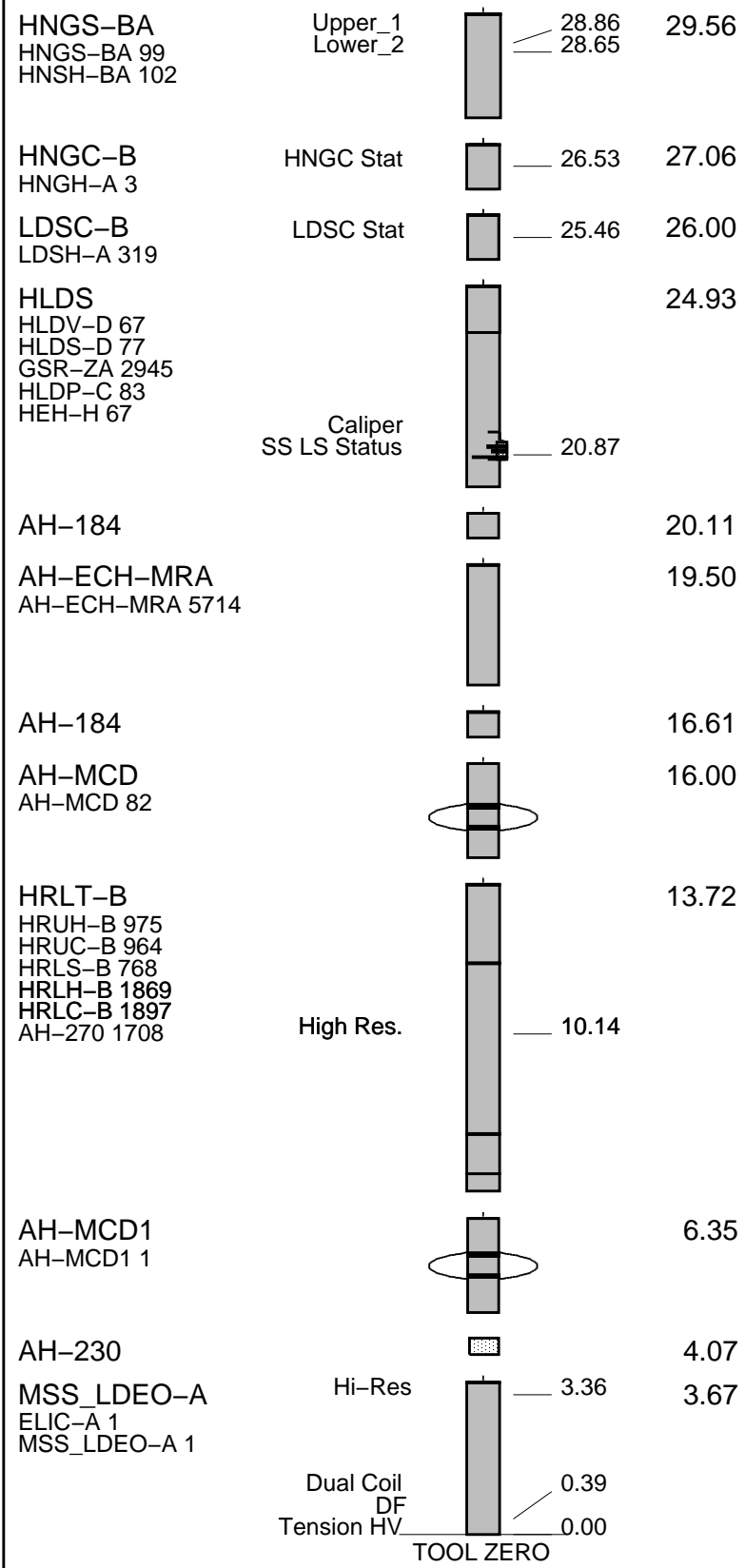
Downlog flipped and note the caliper closed logging down.

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.



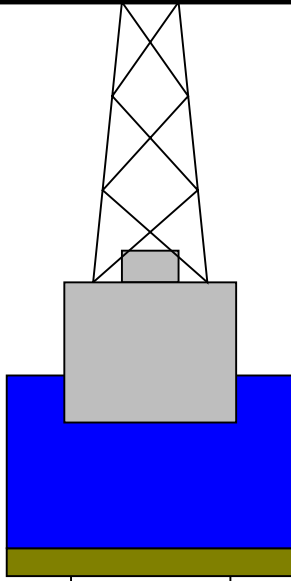
TOOL ZERO

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

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

Kelly Bushing Elevation
Derrick Floor Elevation

0.0
0.0



0.0 5.500 4.125



2836.4 9.875
2940.0 5.500 4.125
3096.4 9.875

Sea Floor

Pipe

TD - Driller

Schlumberger

Downlog

MAXIS Field Log

Company: International Ocean Discovery Program

Well: Expedition 396, Site U1574A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_017LUP	PRODUCER	29-Sep-2021 11:28	3046.2 M	2795.8 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_018PUP	FN:18	PRODUCER	29-Sep-2021 11:29	3046.2 M	2795.8 M
RTB	MSS_LDEO_HRLA_LDL_018PUP	FN:19	PRODUCER	29-Sep-2021 11:29	3046.2 M	2795.8 M

OP System Version: 19C0-187

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

PIP SUMMARY

Time Mark Every 60 S

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

Area1
From HCGR to HSGR

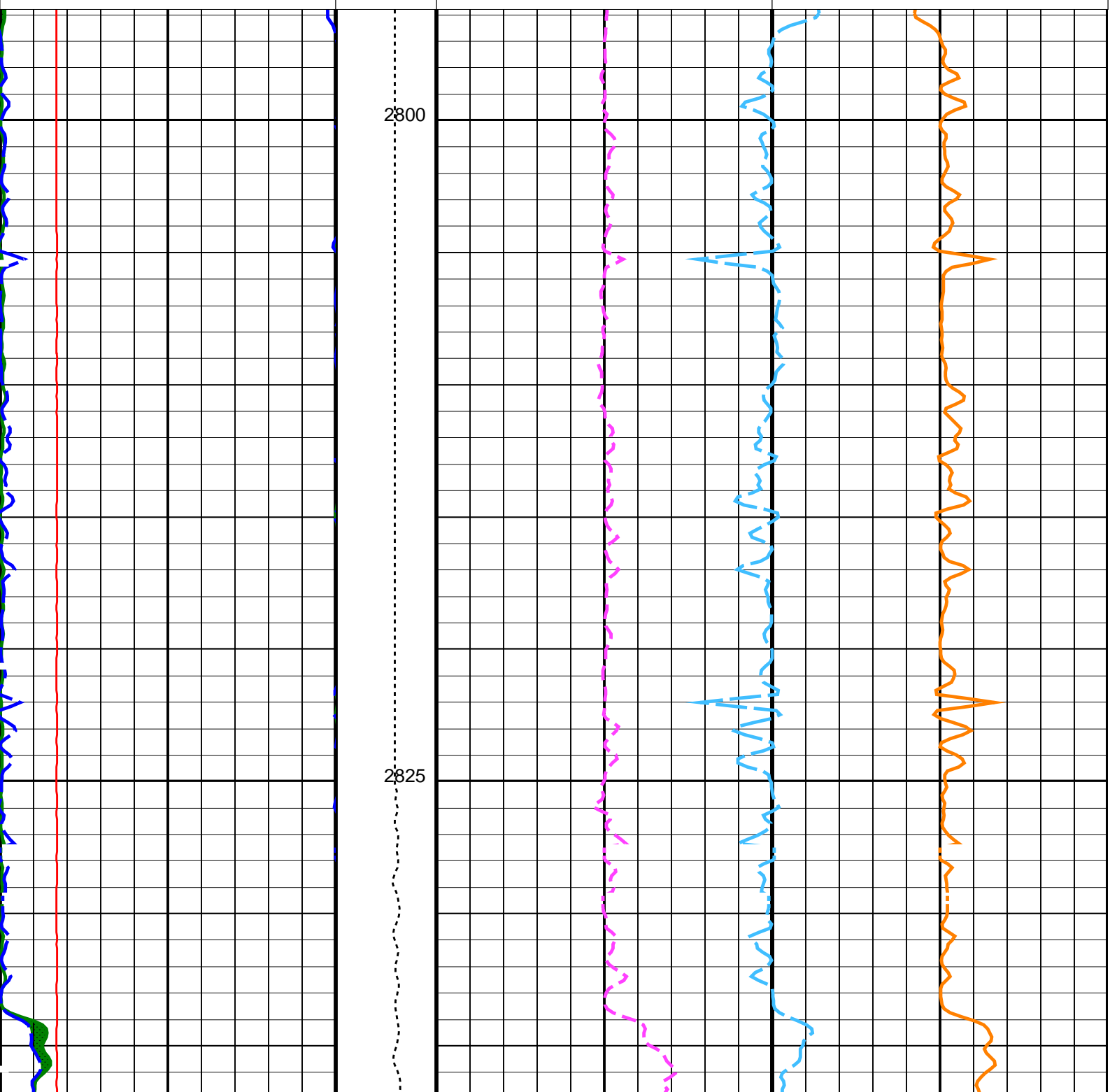
HNGS Computed Gamma Ray (HCGR)
(GAPI) 0 100

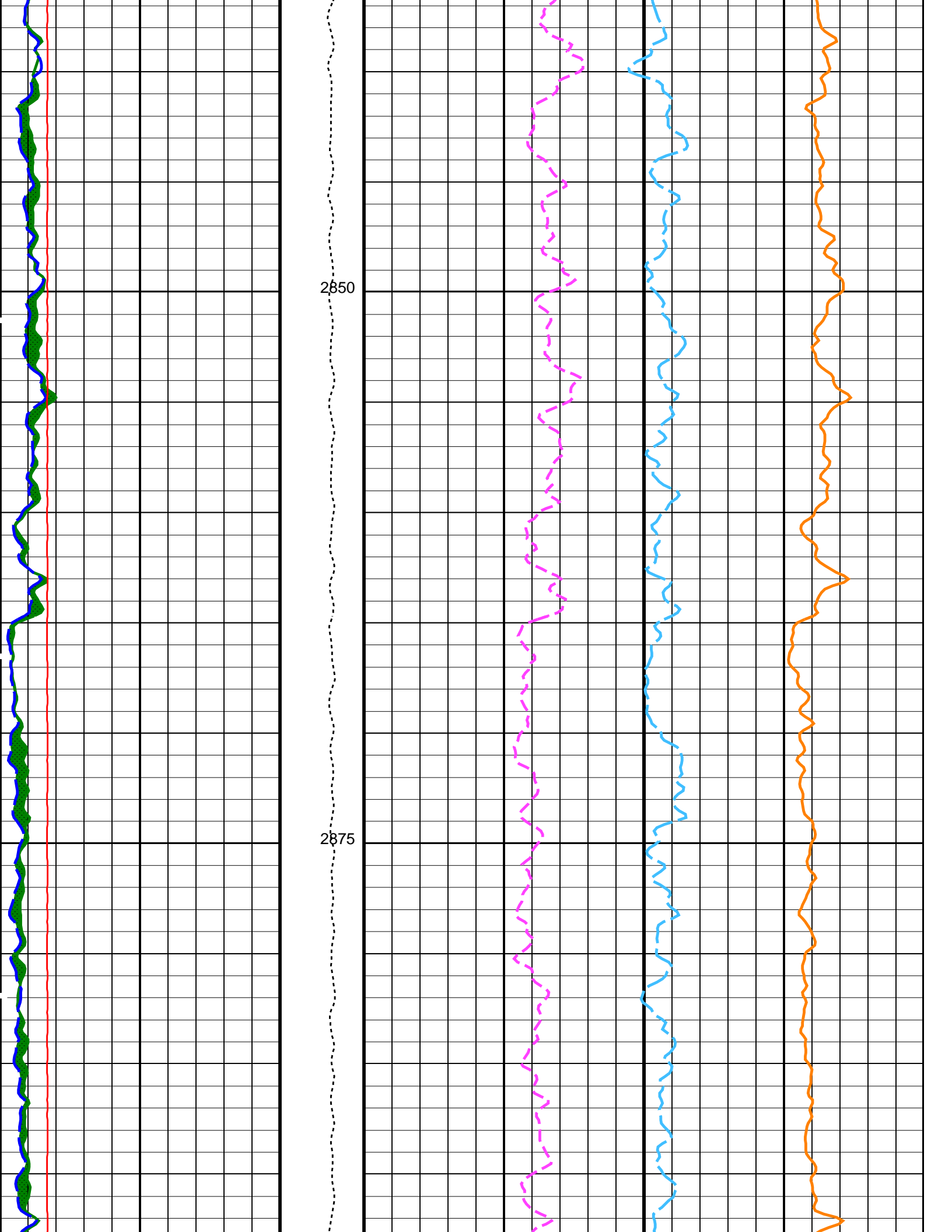
HLDS Caliper (LCAL)
(IN) 0 20

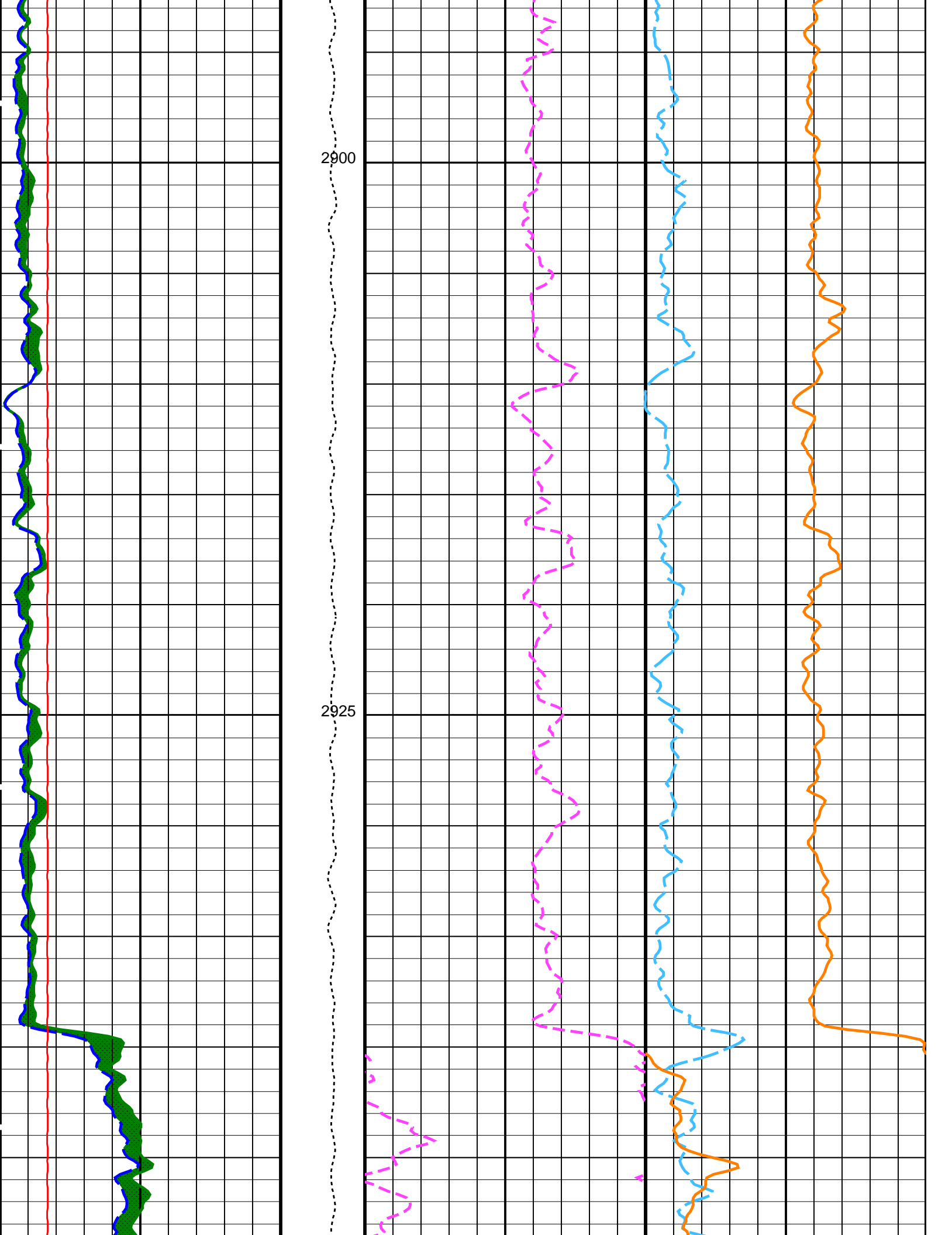
Tension (TENS) (LBF)
10000 0

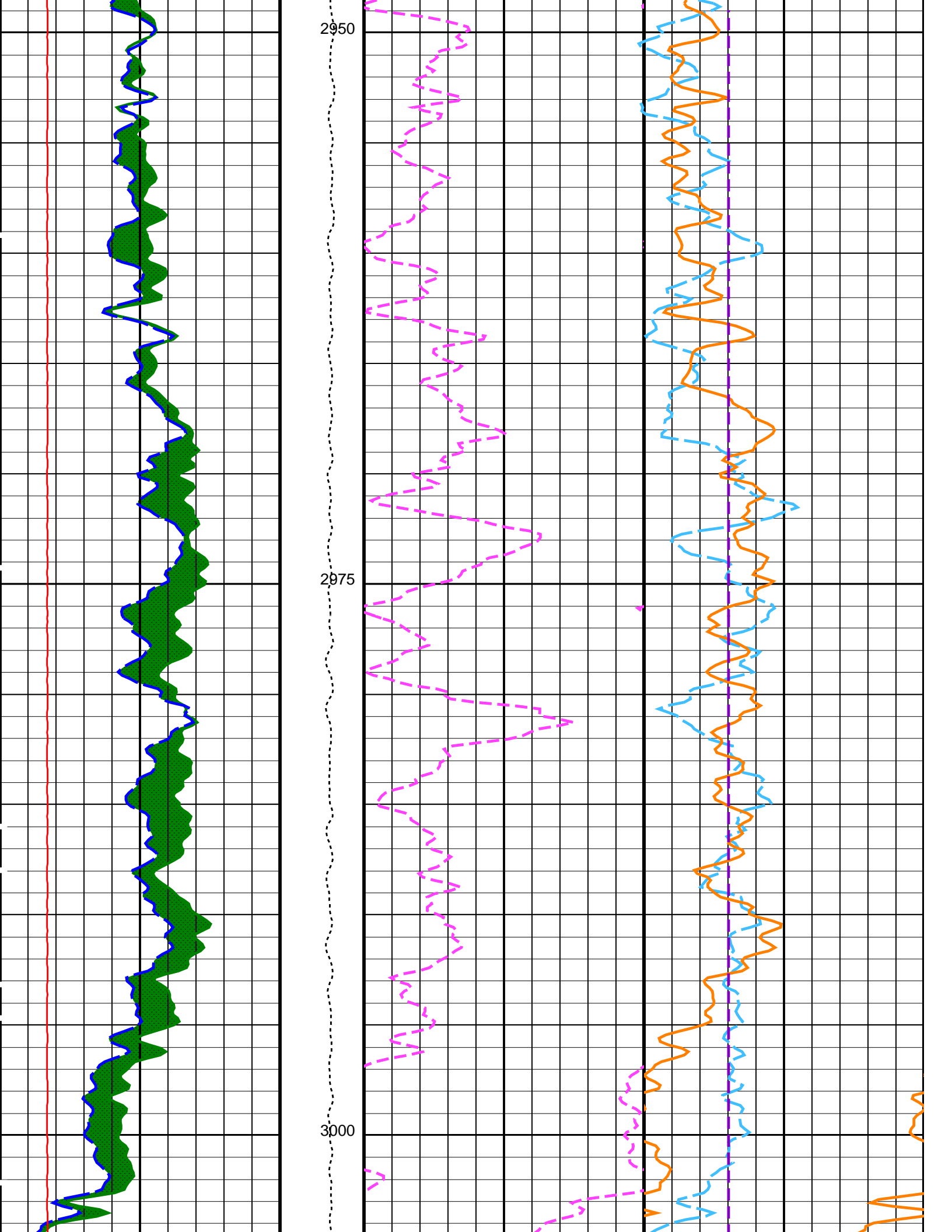
HNGS Borehole Potassium (HBHK) (V/V) -0.01 0.01
HNGS Uranium (HURA) (PPM) -5 5

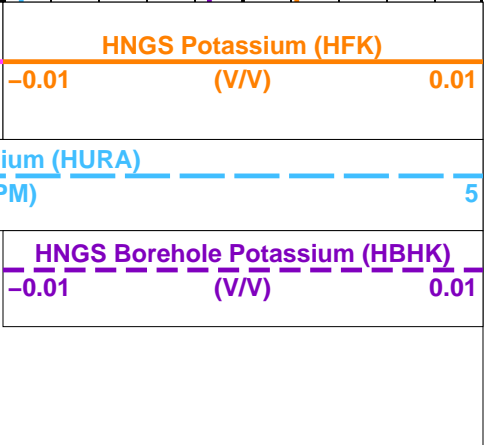
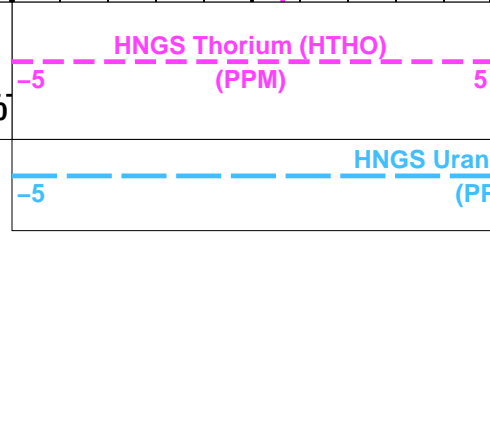
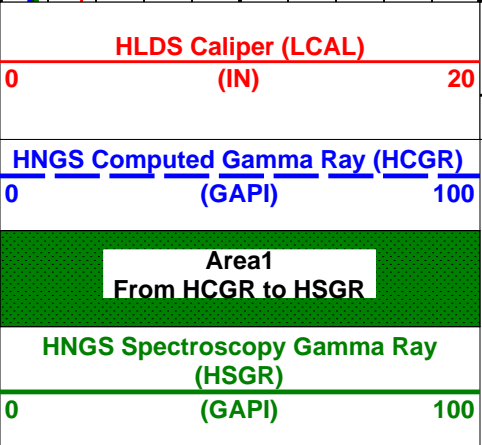
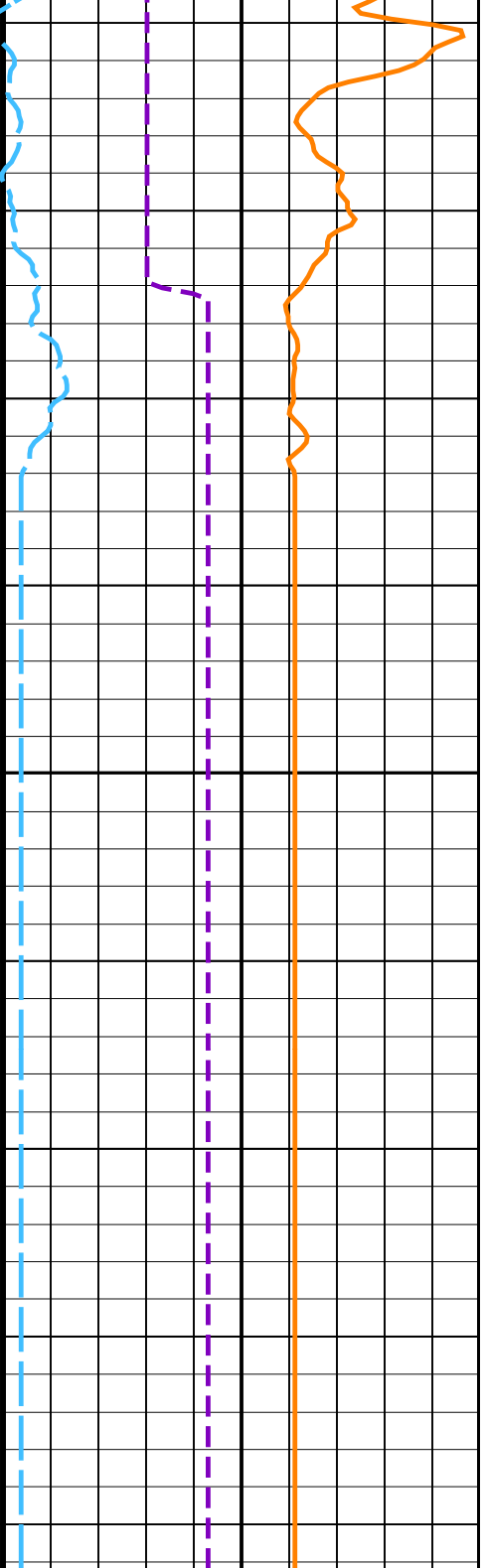
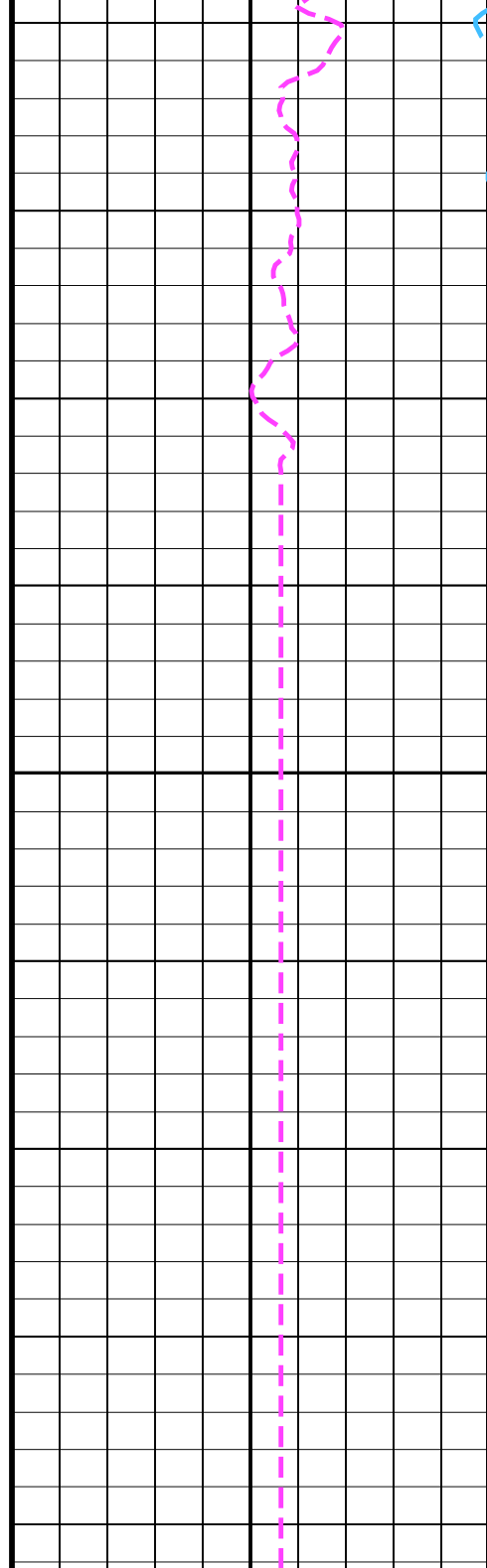
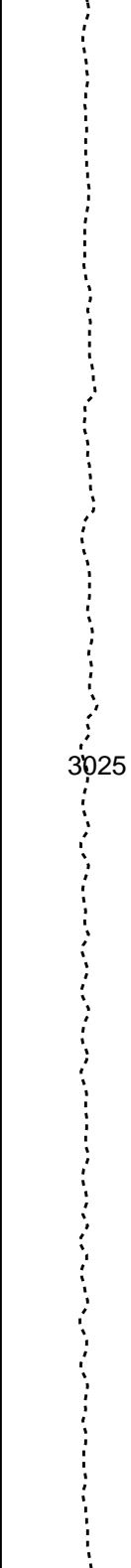
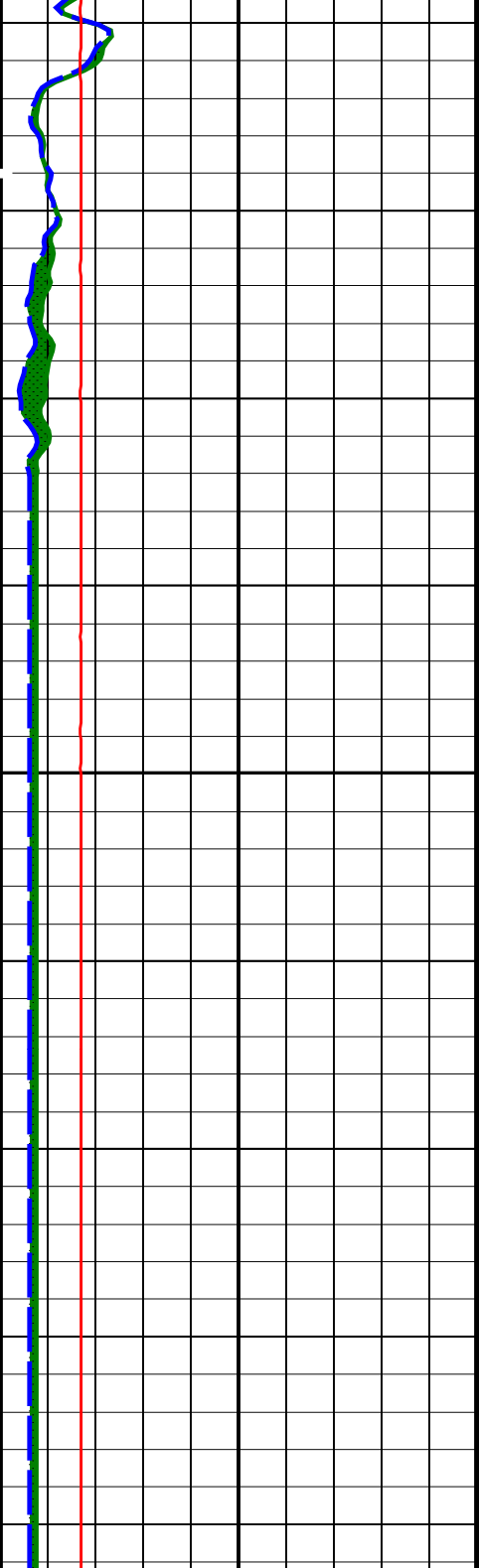
HNGS Thorium (HTHO) (PPM) -5 5
HNGS Potassium (HFK) (V/V) -0.01 0.01











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	BS	
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	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0120301	
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	0.928871	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.942596	
	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: 29-Sep-2021 11:29

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_017LUP	PRODUCER	29-Sep-2021 11:28	3046.2 M	2795.8 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_018PUP	FN:18	PRODUCER	29-Sep-2021 11:29	
RTB	MSS_LDEO_HRLA_LDL_018PUP	FN:19	PRODUCER	29-Sep-2021 11:29	

Company: International Ocean Discovery Program

Well: Expedition 396, Site U1574A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_017LUP	PRODUCER	29-Sep-2021 11:28	3046.2 M	2795.8 M
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Output DLIS Files

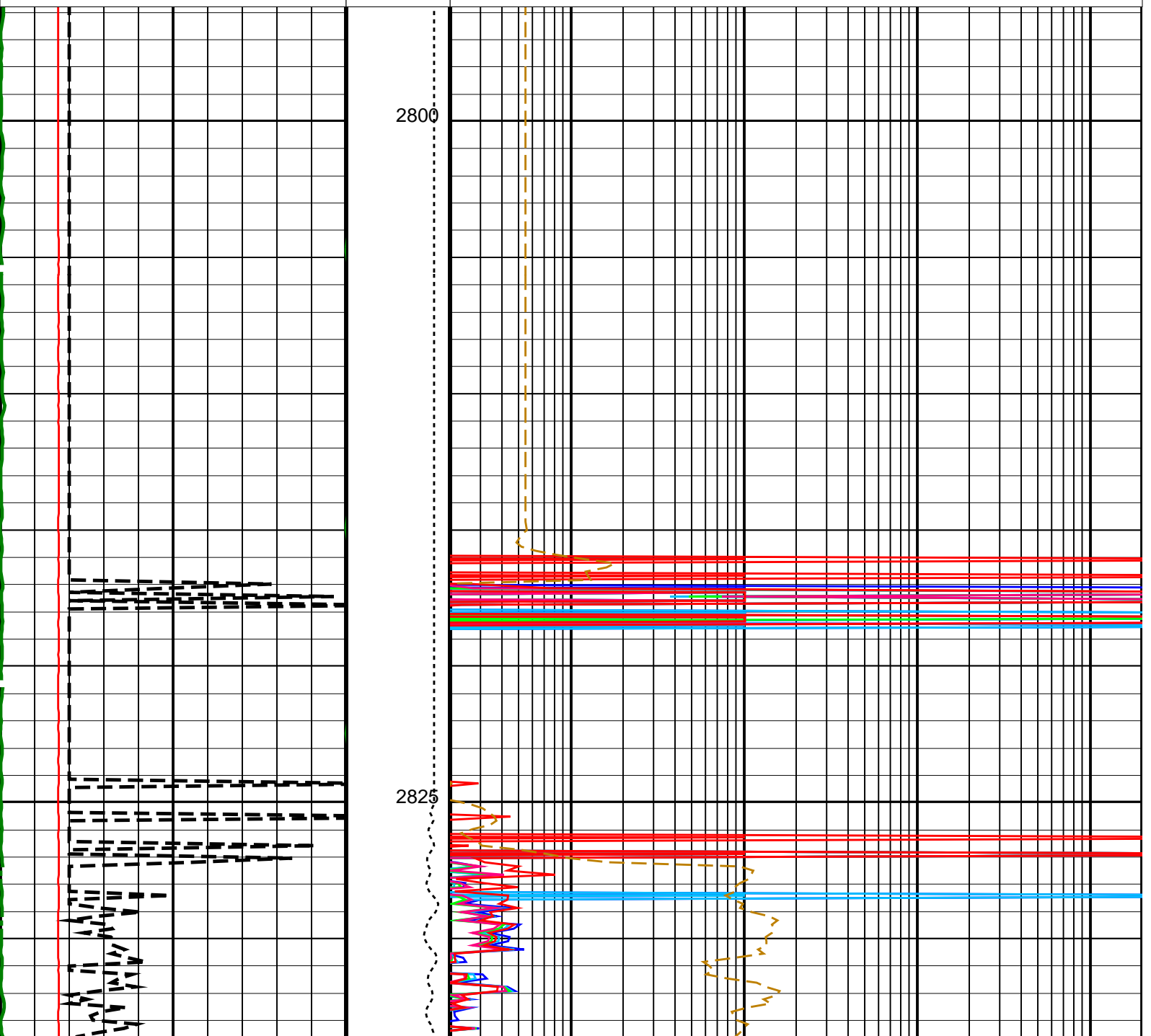
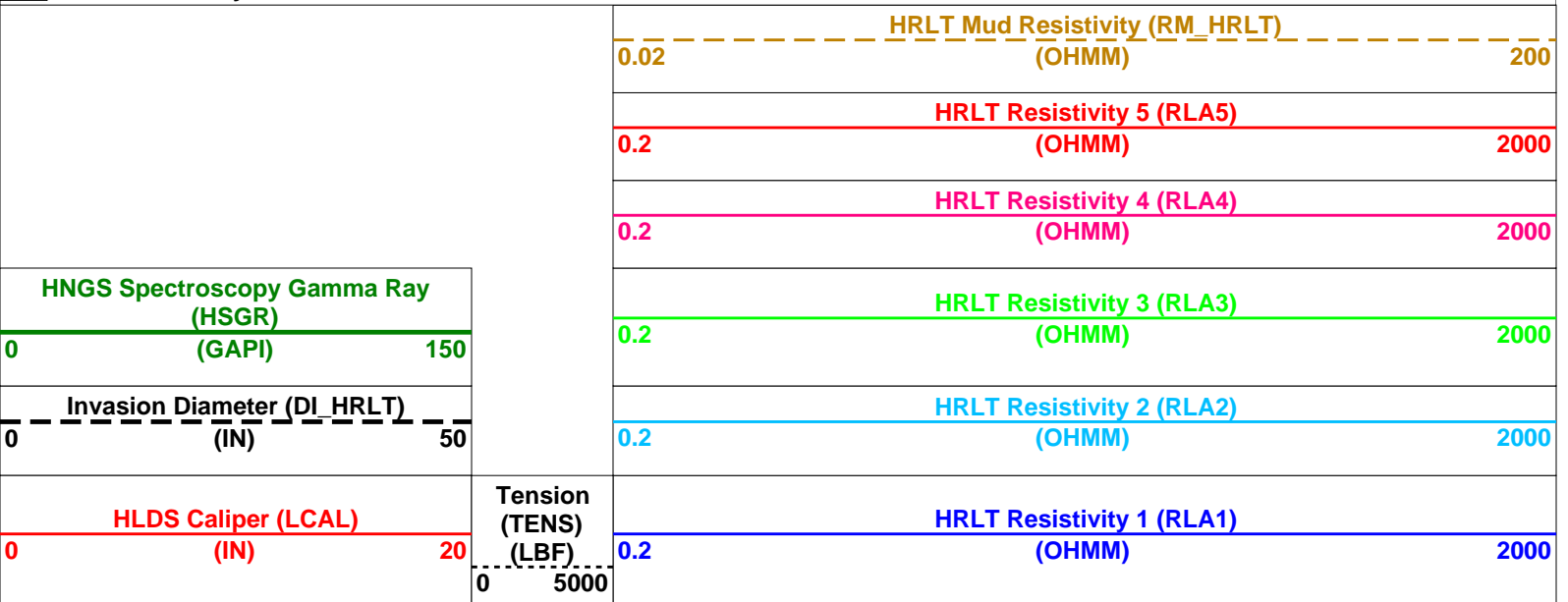
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RTB	MSS_LDEO_HRLA_LDL_018PUP	FN:19	PRODUCER	29-Sep-2021 11:29	3046.2 M	2795.8 M

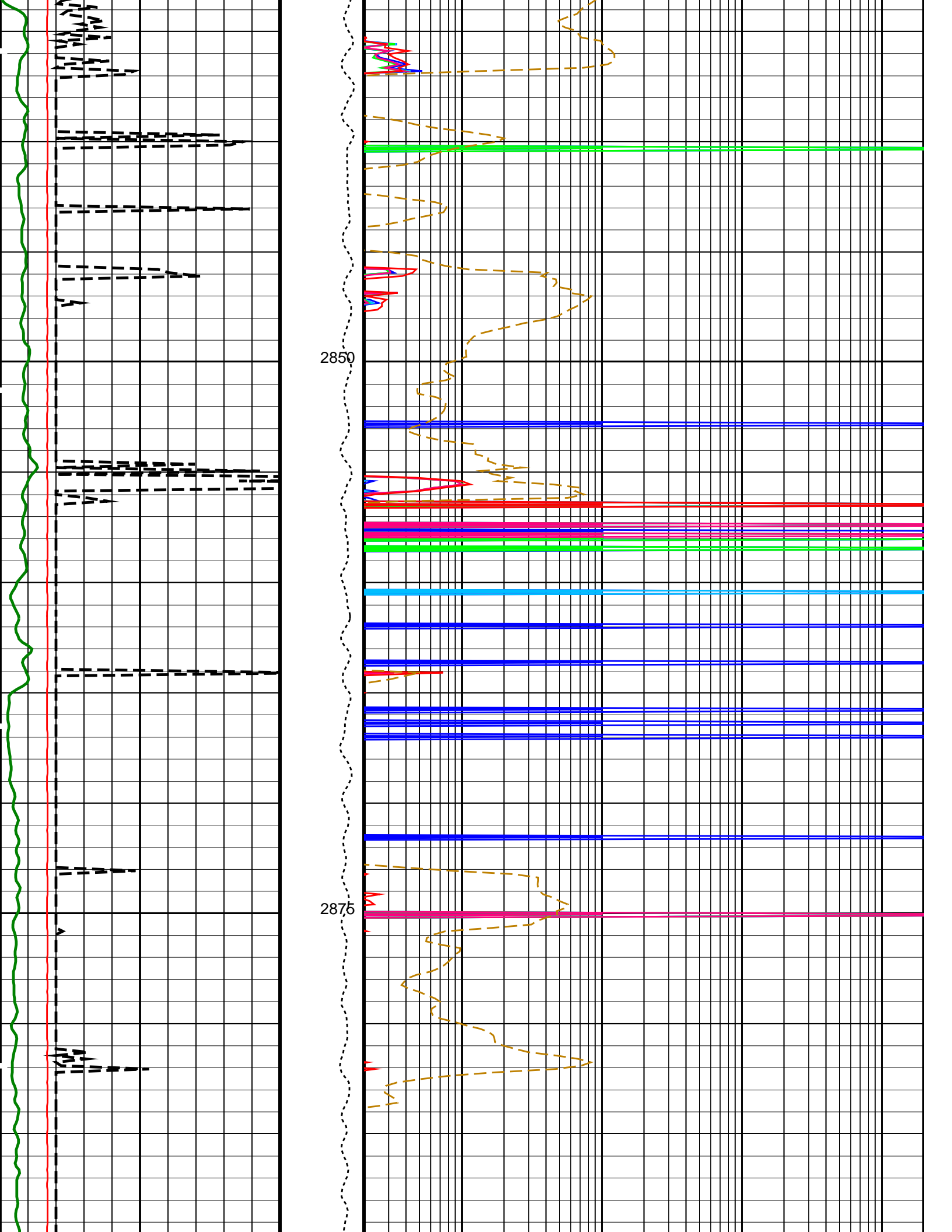
OP System Version: 19C0-187

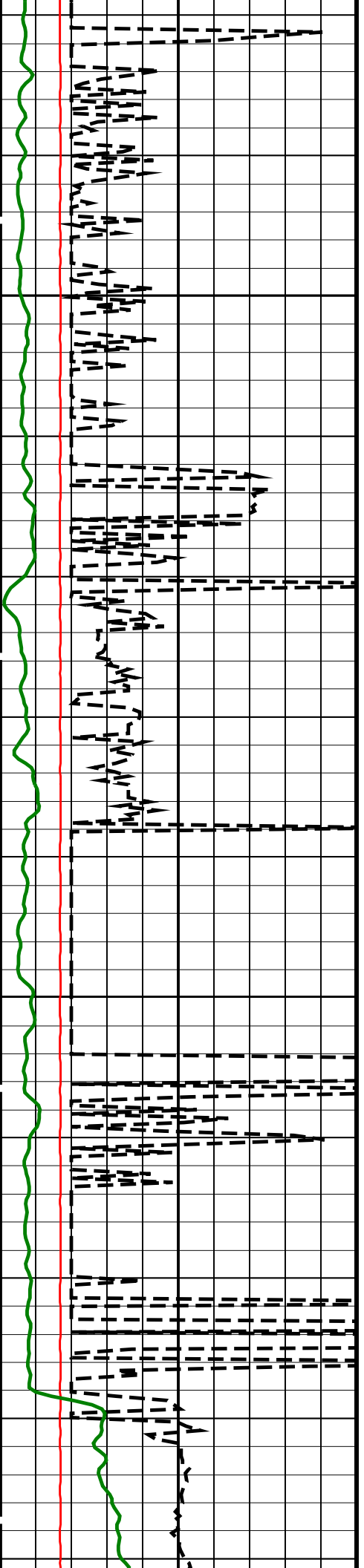
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

PIP SUMMARY

Time Mark Every 60 S

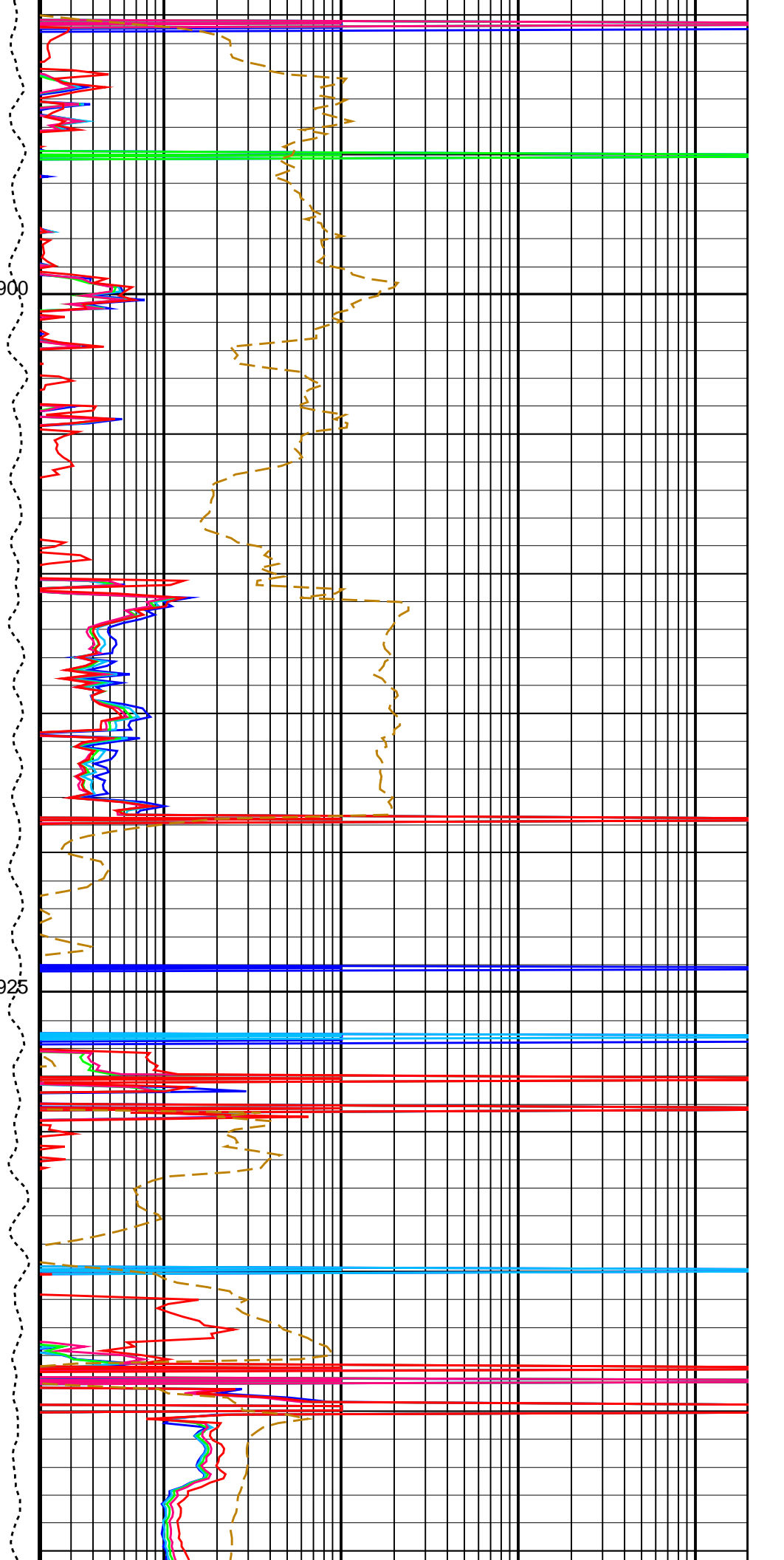


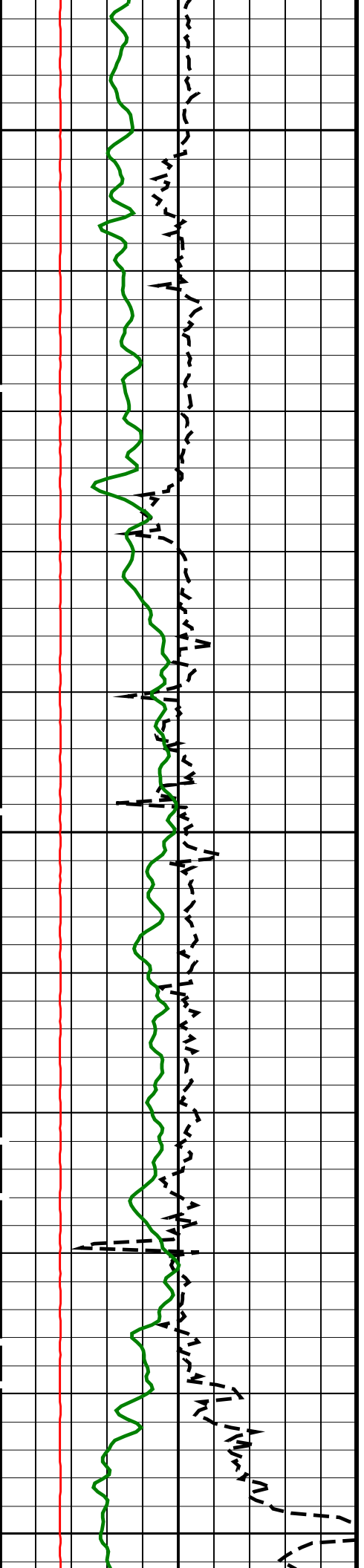




2900

2925

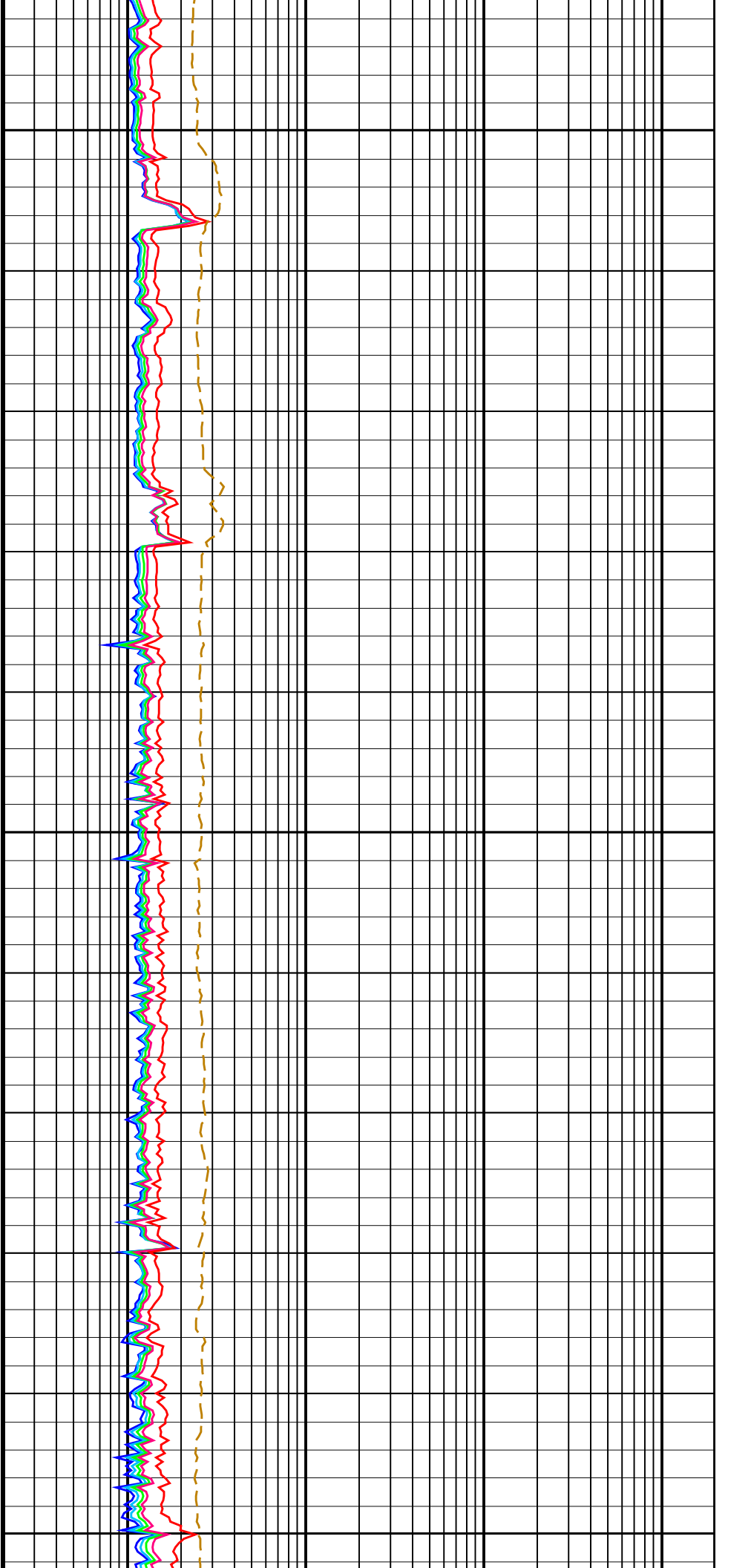


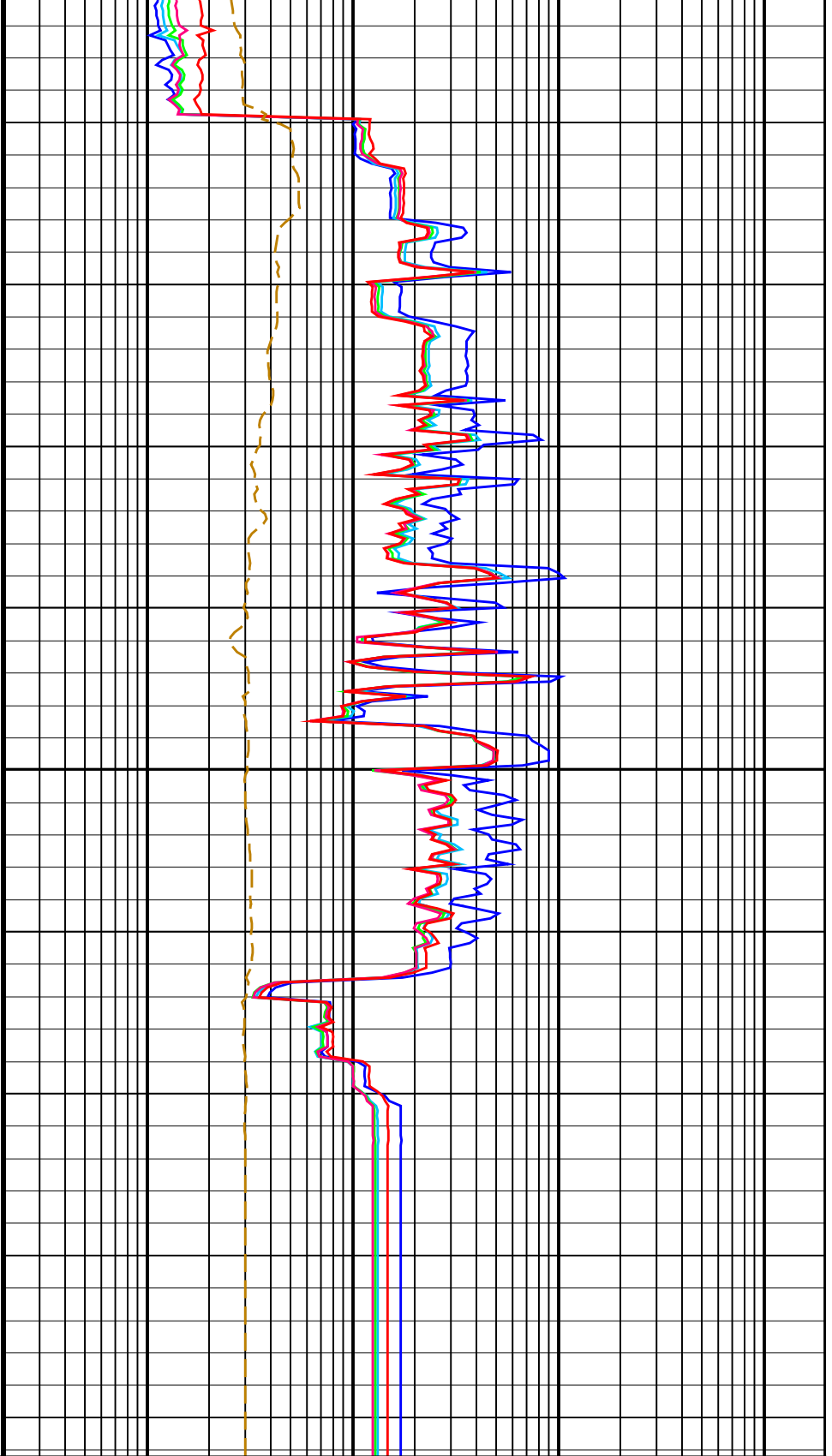
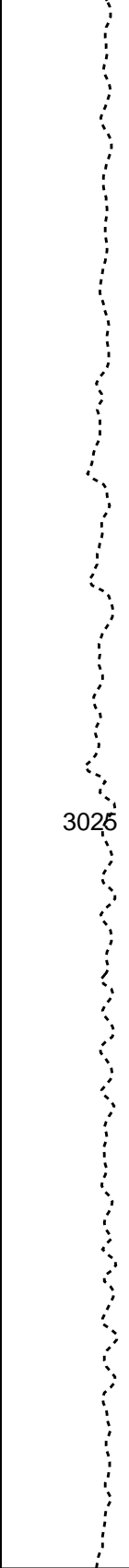
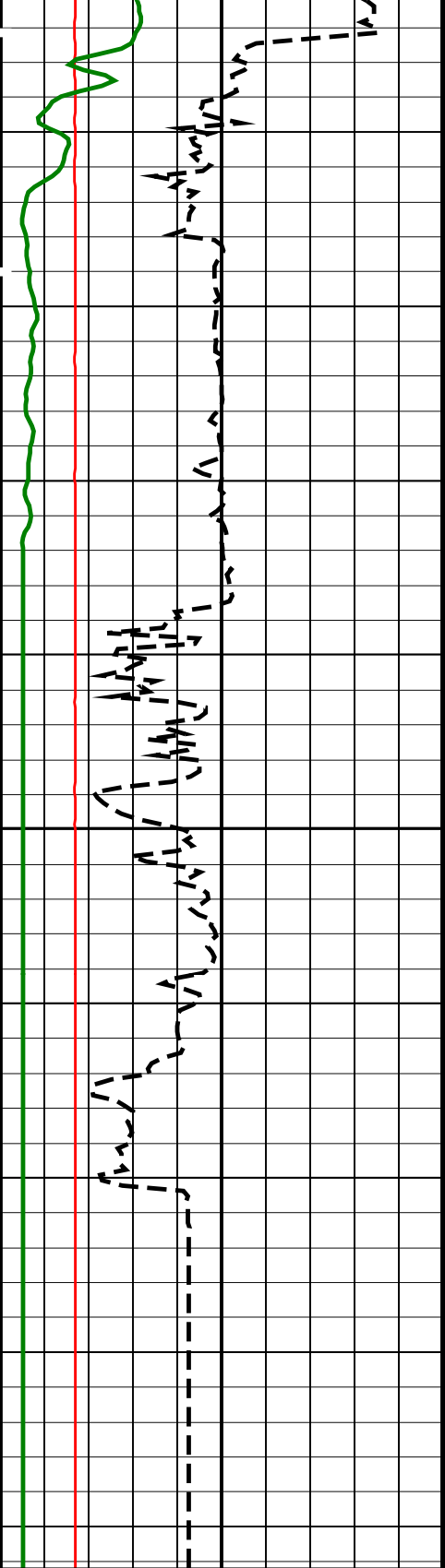


2950

2975

3000





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)	0.2	2000
(OHMM)		
HRLT Resistivity 2 (RLA2)	0.2	2000
(OHMM)		
HRLT Resistivity 3 (RLA3)	0.2	2000
(OHMM)		
HRLT Resistivity 4 (RLA4)	0.2	2000
(OHMM)		

	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	BS	
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	BS	
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	-0.0120301	
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	0.928871	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.942596	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	
TD	Total Depth	3096.4	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 29-Sep-2021 11:29

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_017LUP PRODUCER 29-Sep-2021 11:28 3046.2 M 2795.8 M

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_018PUP	FN:18	PRODUCER	29-Sep-2021 11:29
RTB	MSS_LDEO_HRLA_LDL_018PUP	FN:19	PRODUCER	29-Sep-2021 11:29

Company: International Ocean Discovery Program Well: Expedition 396, Site U1574A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_017LUP	PRODUCER	29-Sep-2021 11:28	3046.2 M	2795.8 M
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Output DLIS Files

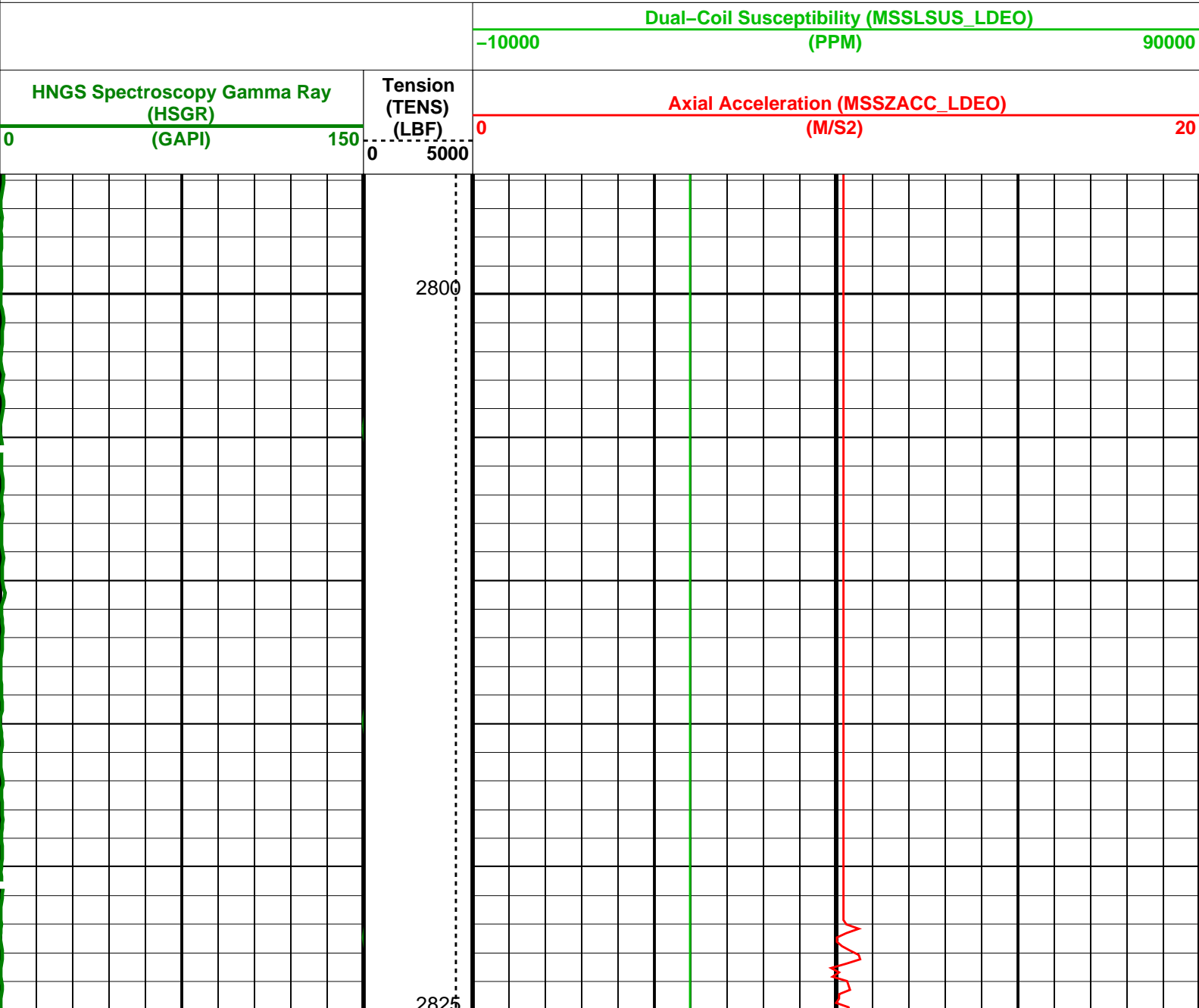
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RTB	MSS_LDEO_HRLA_LDL_018PUP	FN:19	PRODUCER	29-Sep-2021 11:29	3046.2 M	2795.8 M

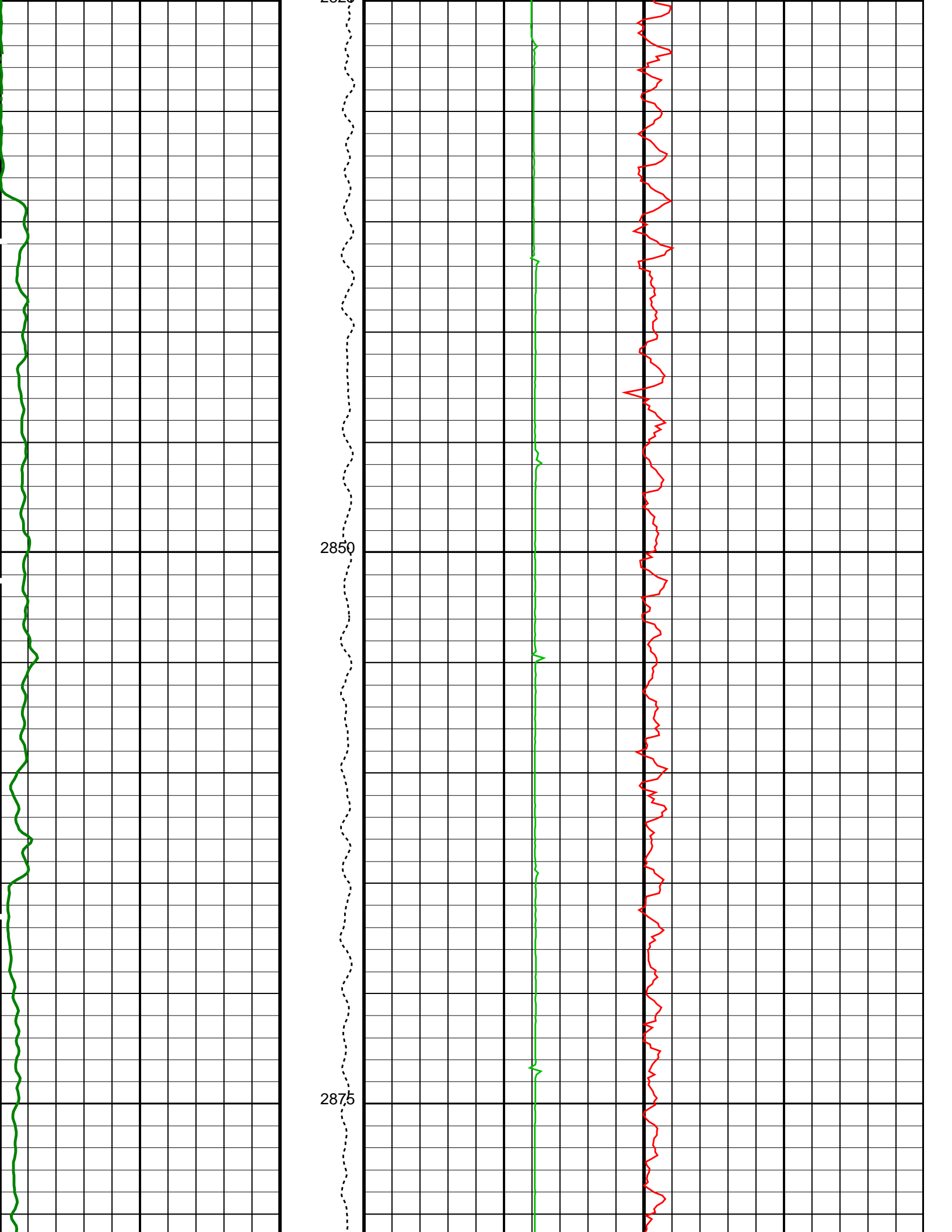
OP System Version: 19C0-187

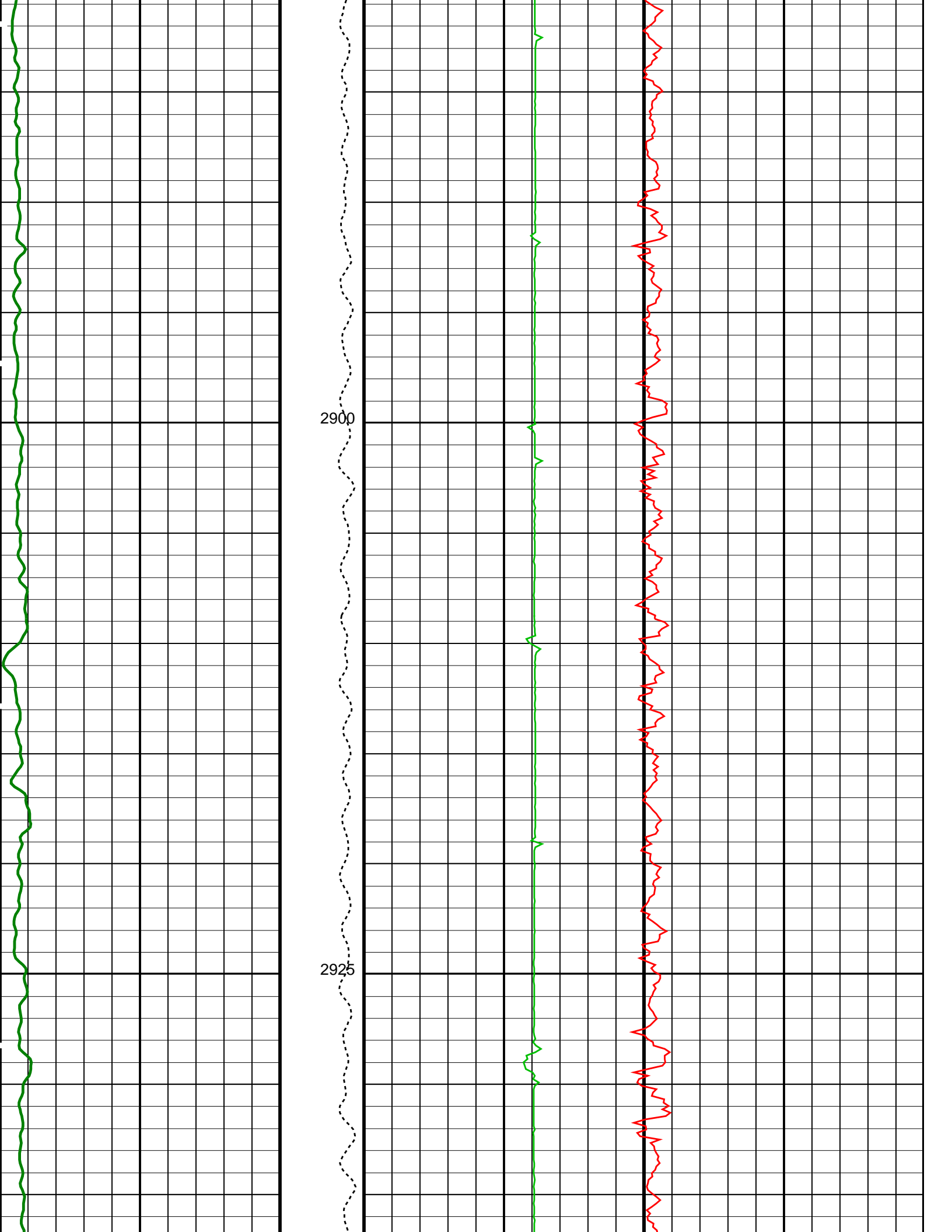
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

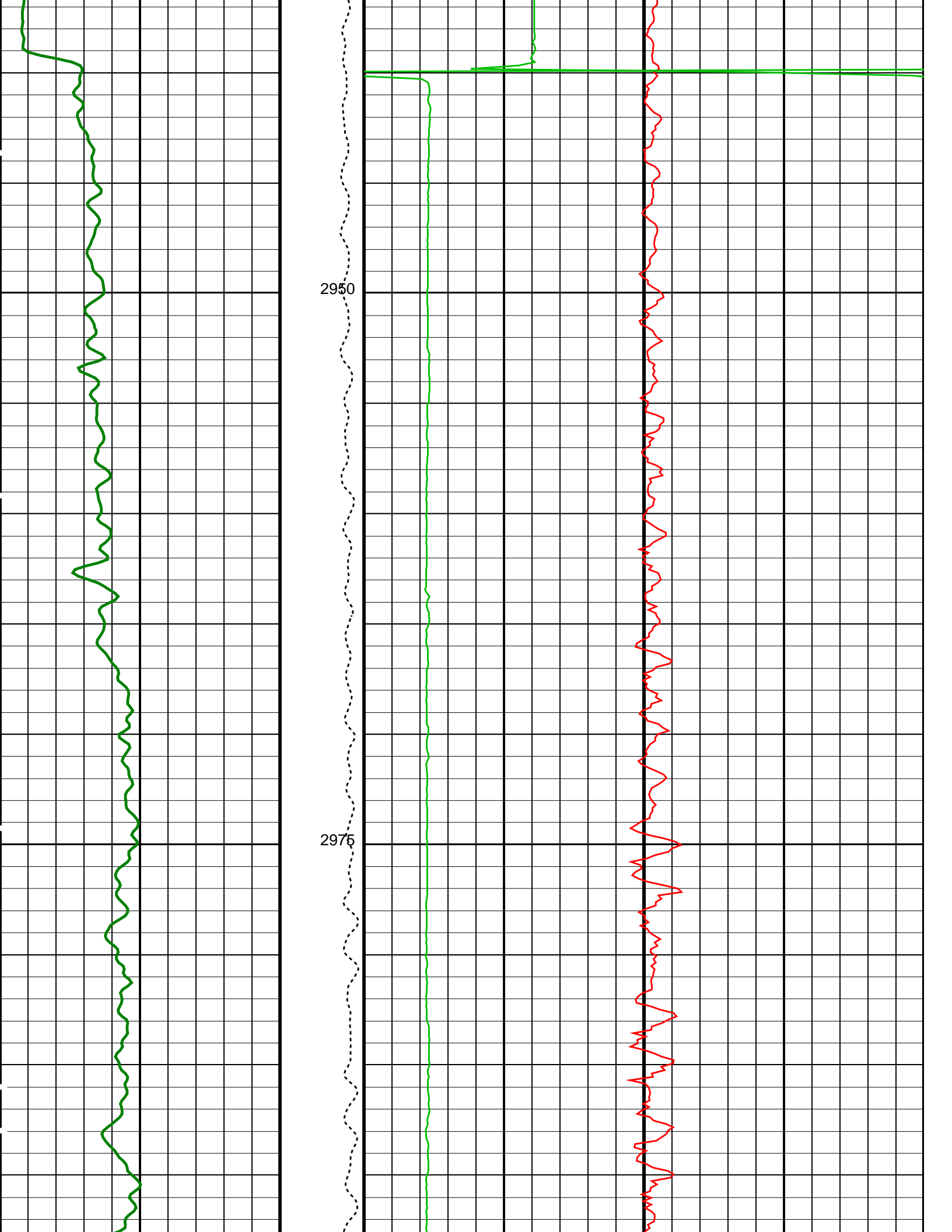
PIP SUMMARY

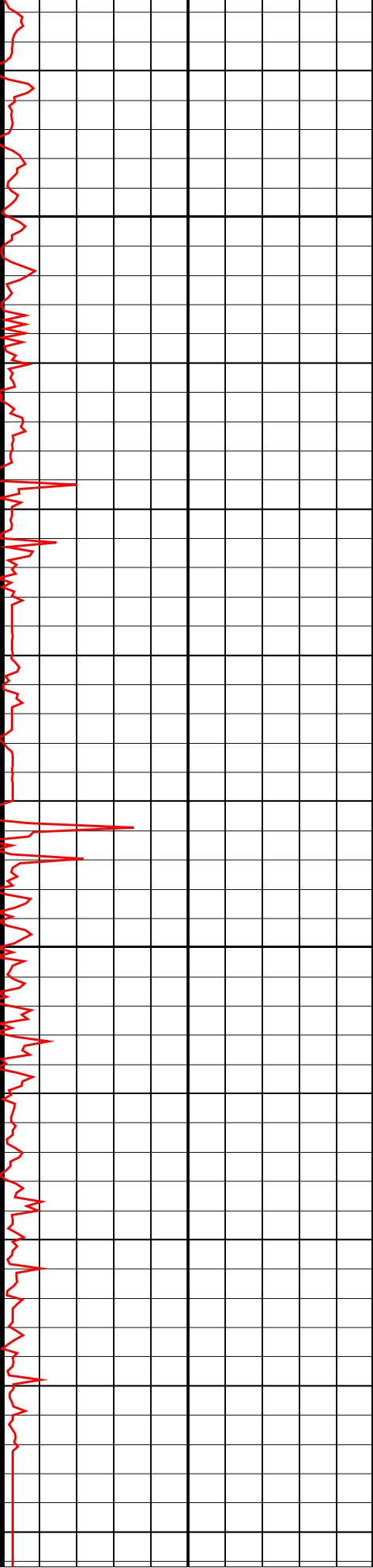
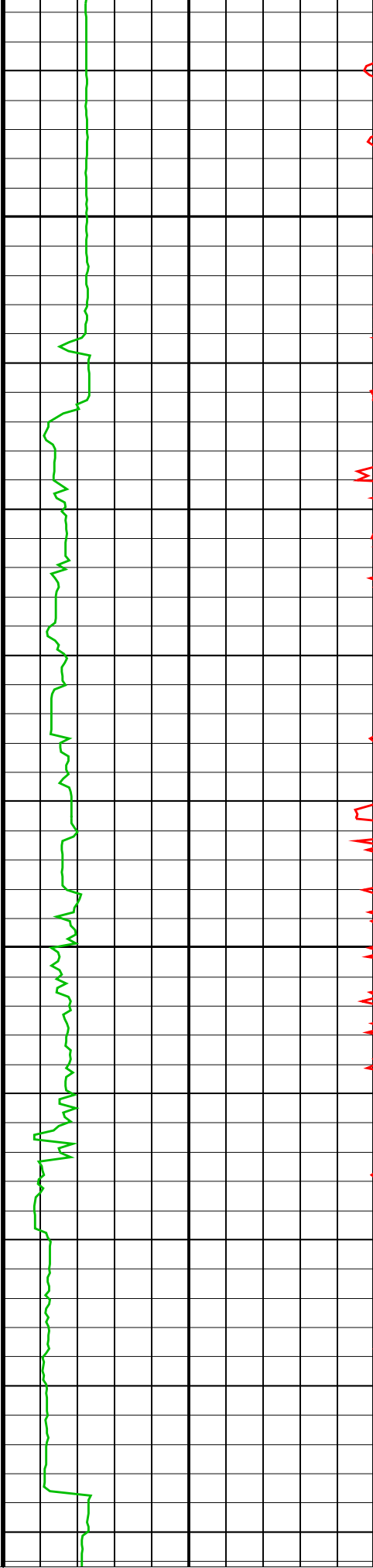
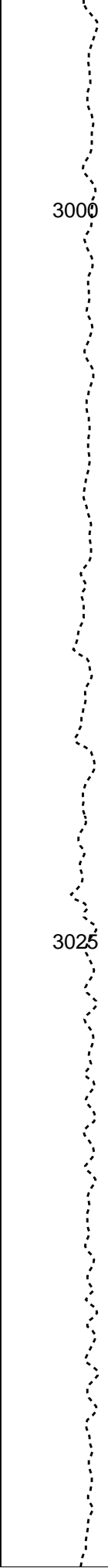
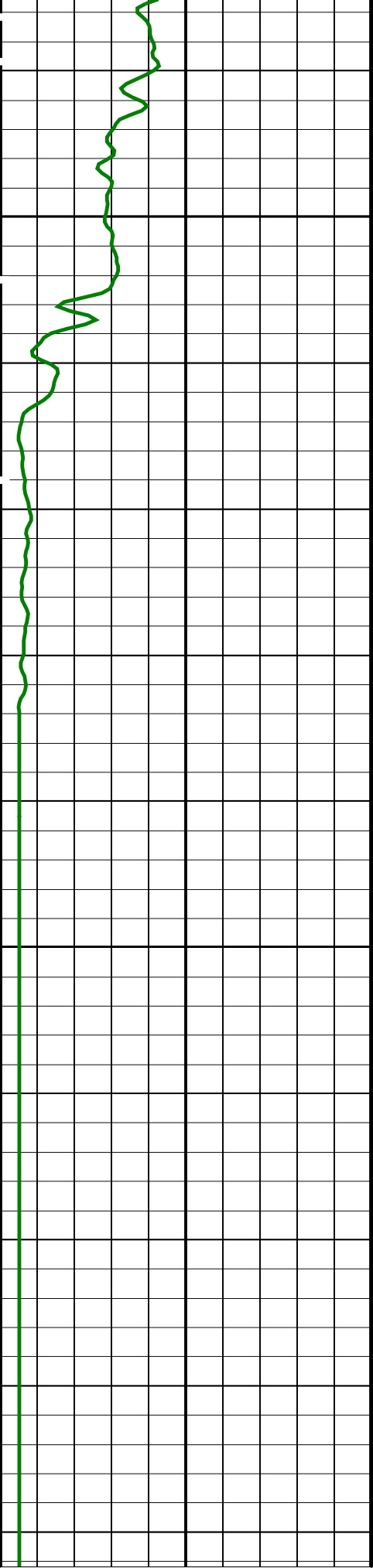
Time Mark Every 60 S











0 150

0 3025 3000

0 20

0 20

(GAPI)

150 5000

Dual-Coil Susceptibility (MSSLSUS_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	BS	
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	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0120301	
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	0.928871	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.942596	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: MSS_Logging

Vertical Scale: 1:200

Graphics File Created: 29-Sep-2021 11:29

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_017LUP	PRODUCER	29-Sep-2021 11:28	3046.2 M	2795.8 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_018PUP	FN:18	PRODUCER	29-Sep-2021 11:29
RTB	MSS_LDEO_HRLA_LDL_018PUP	FN:19	PRODUCER	29-Sep-2021 11:29

Schlumberger

First Pass

Output DLIS Files

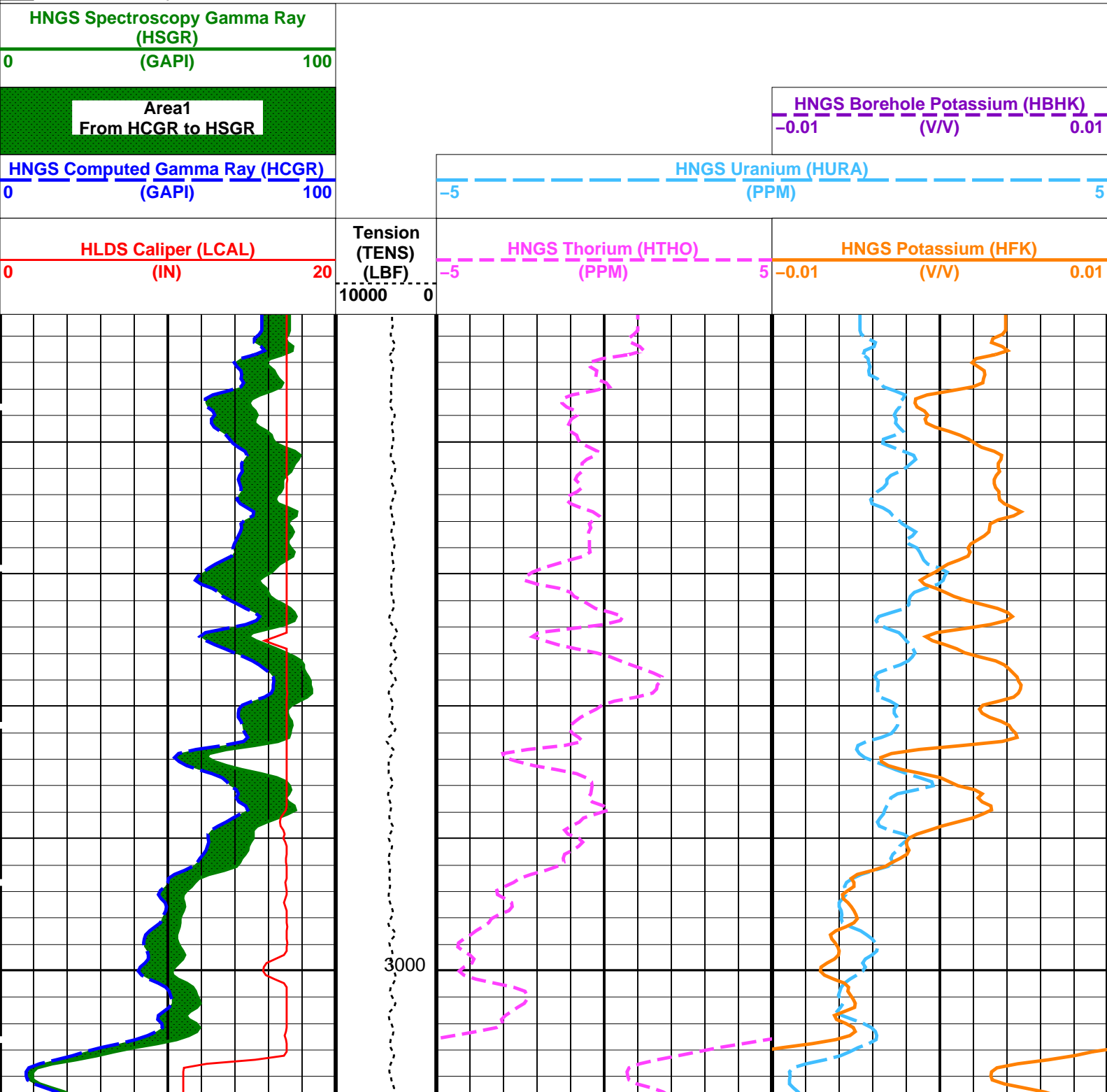
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RTB	MSS_LDEO_HRLA_LDL_011LUP	FN:11	PRODUCER	29-Sep-2021 10:12	3045.0 M	2976.4 M

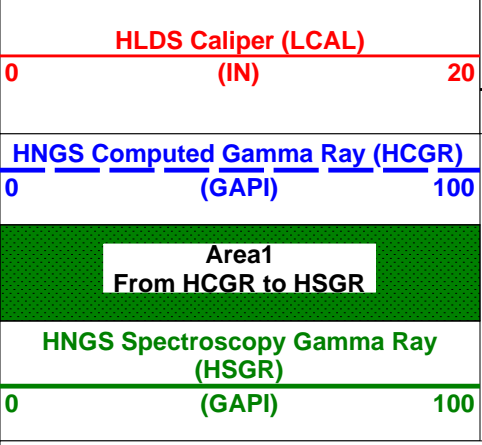
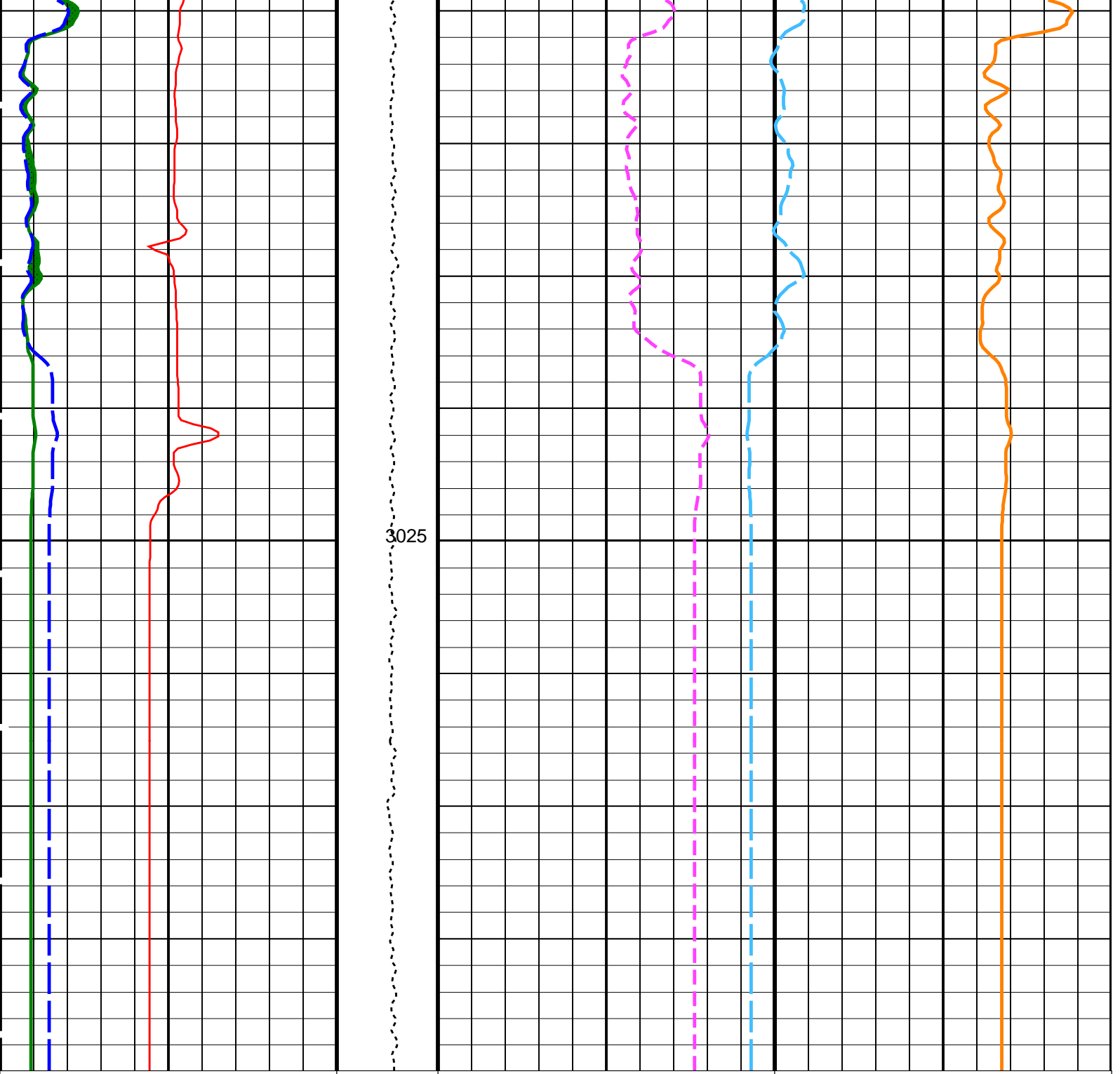
OP System Version: 19C0-187

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		

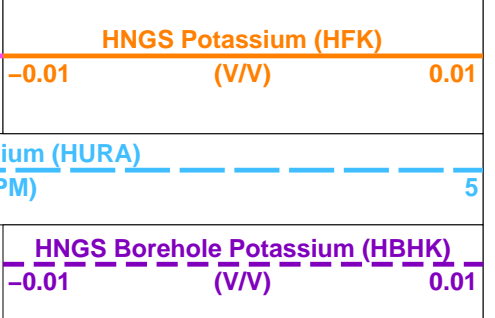
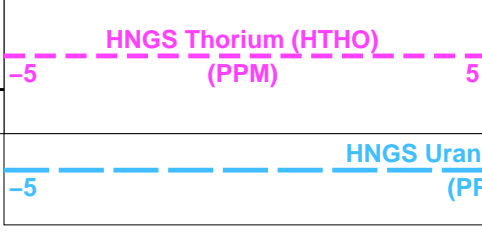
PIP SUMMARY

Time Mark Every 60 S





Tension
(TENS)
(LBF)



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	-0.00271942	
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	0.958338	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970831	
	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: 29-Sep-2021 10:12

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_011LUP	FN:10	PRODUCER	29-Sep-2021 10:12
RTB	MSS_LDEO_HRLA_LDL_011LUP	FN:11	PRODUCER	29-Sep-2021 10:12

Company: International Ocean Discovery Program Well: Expedition 396, Site U1574A

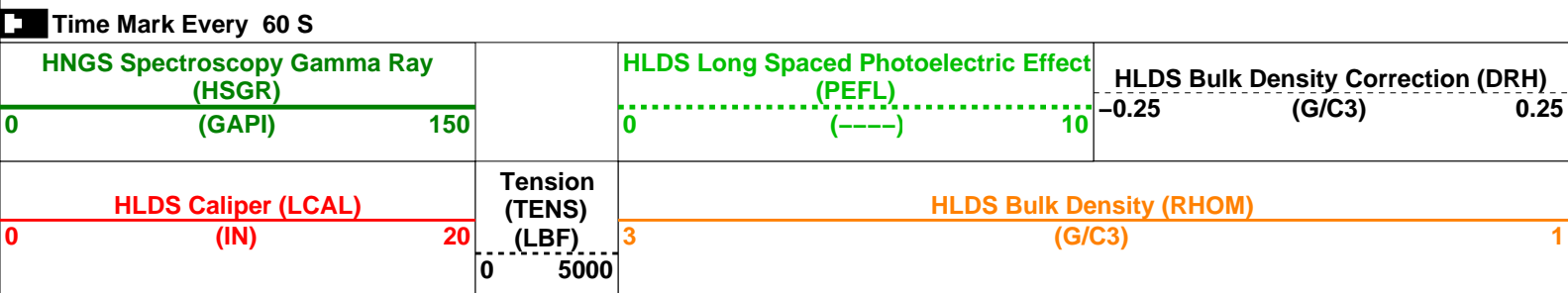
Output DLIS Files

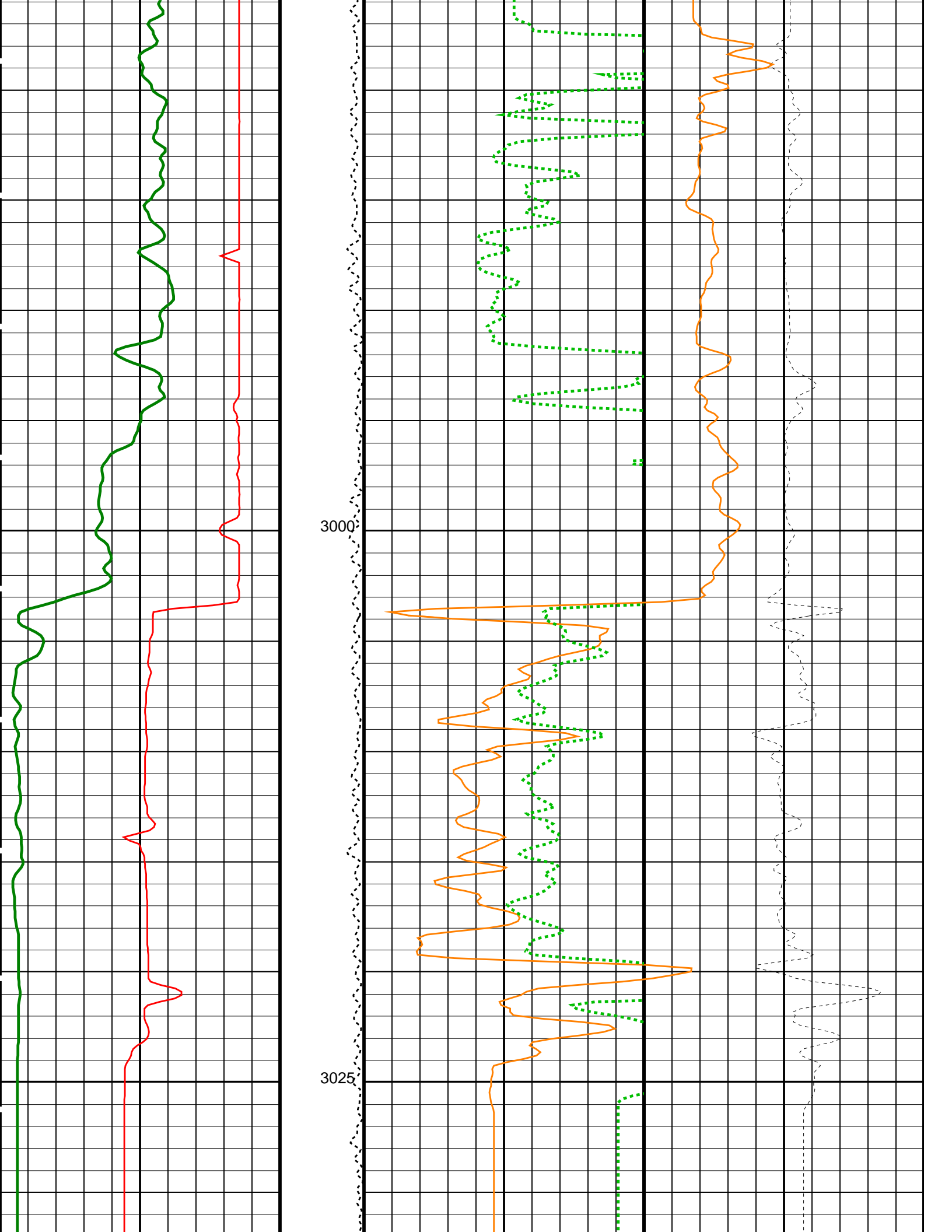
DEFAULT	MSS_LDEO_HRLA_LDL_011LUP	FN:10	PRODUCER	29-Sep-2021 10:12	3045.0 M	2976.4 M
RTB	MSS_LDEO_HRLA_LDL_011LUP	FN:11	PRODUCER	29-Sep-2021 10:12	3045.0 M	2976.4 M

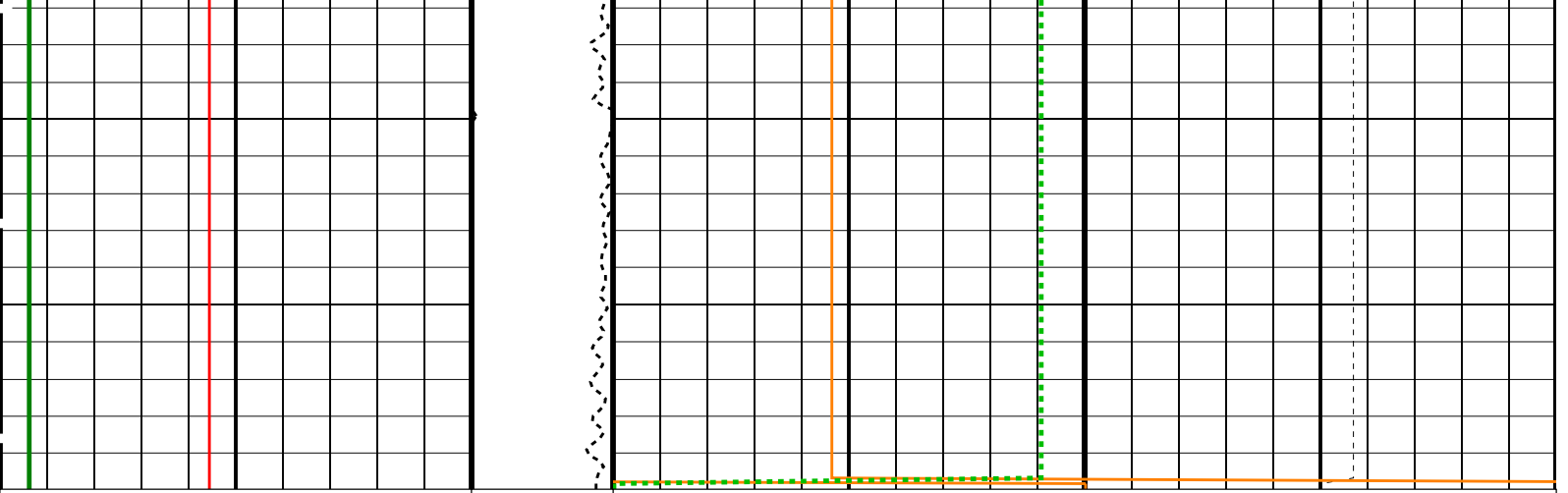
OP System Version: 19C0-187

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







HLDS Caliper (LCAL) (IN)	0	20	Tension (TENS) (LBF)	0	5000	HLDS Bulk Density (RHOM) (G/C3)	3	1
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

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
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	-0.00271942
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	0.958338
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970831
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: 29-Sep-2021 10:12

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

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_011LUP	FN:10	PRODUCER	29-Sep-2021 10:12
RTB	MSS_LDEO_HRLA_LDL_011LUP	FN:11	PRODUCER	29-Sep-2021 10:12

Company: International Ocean Discovery Program Well: Expedition 396, Site U1574A

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_011LUP	FN:10	PRODUCER	29-Sep-2021 10:12	3045.0 M	2976.4 M
RTB	MSS_LDEO_HRLA_LDL_011LUP	FN:11	PRODUCER	29-Sep-2021 10:12	3045.0 M	2976.4 M

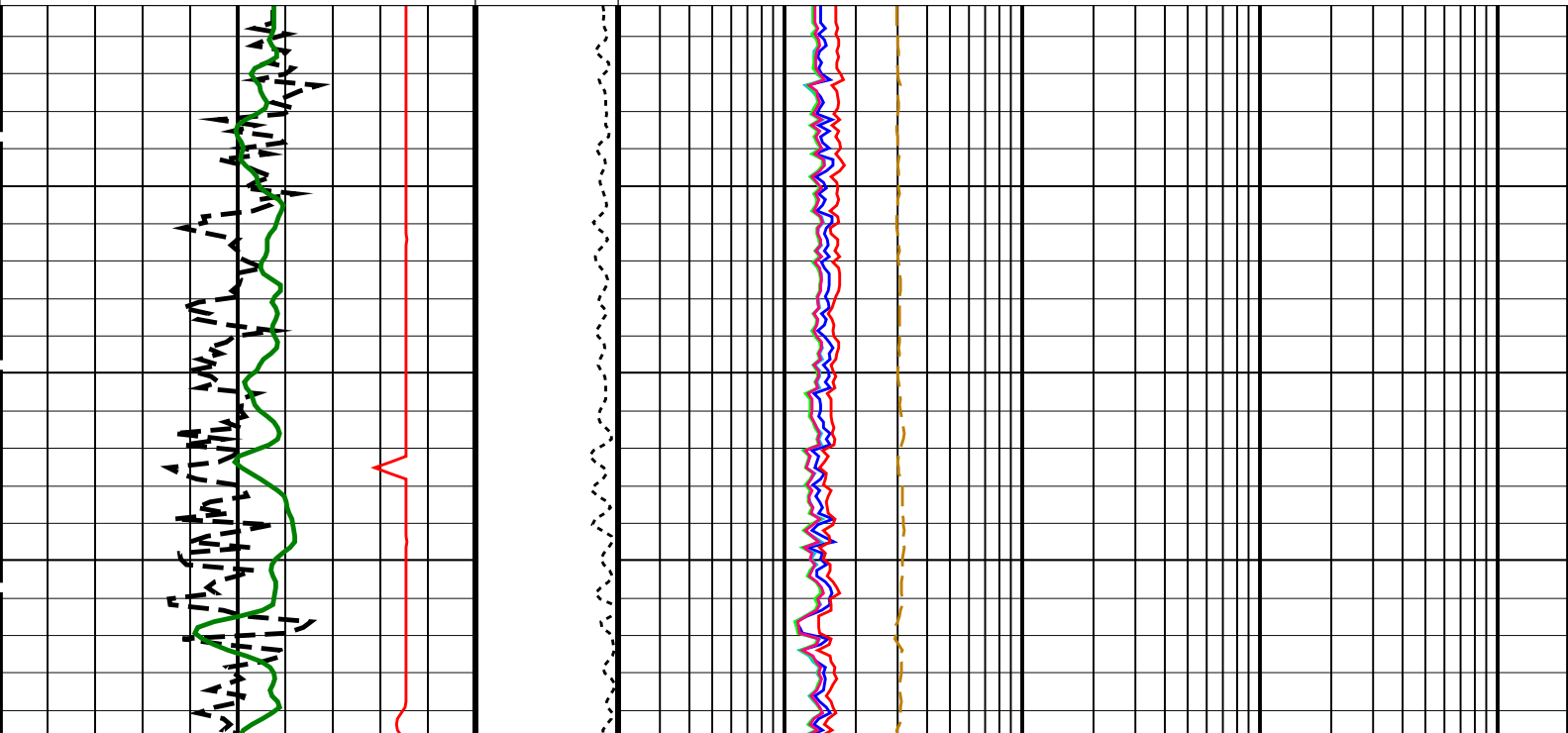
OP System Version: 19C0-187

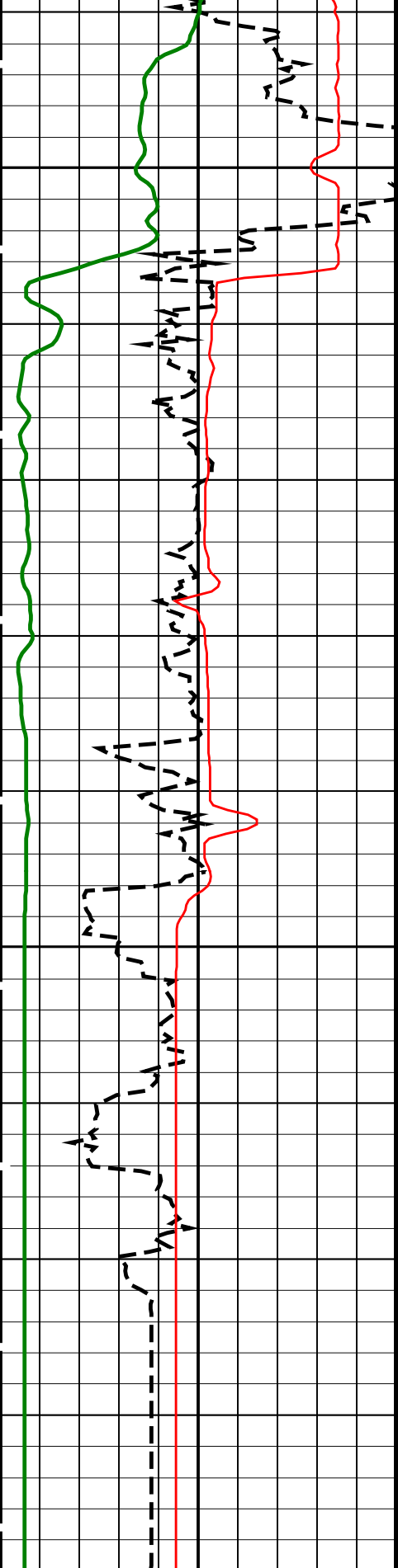
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

PIP SUMMARY

Time Mark Every 60 S

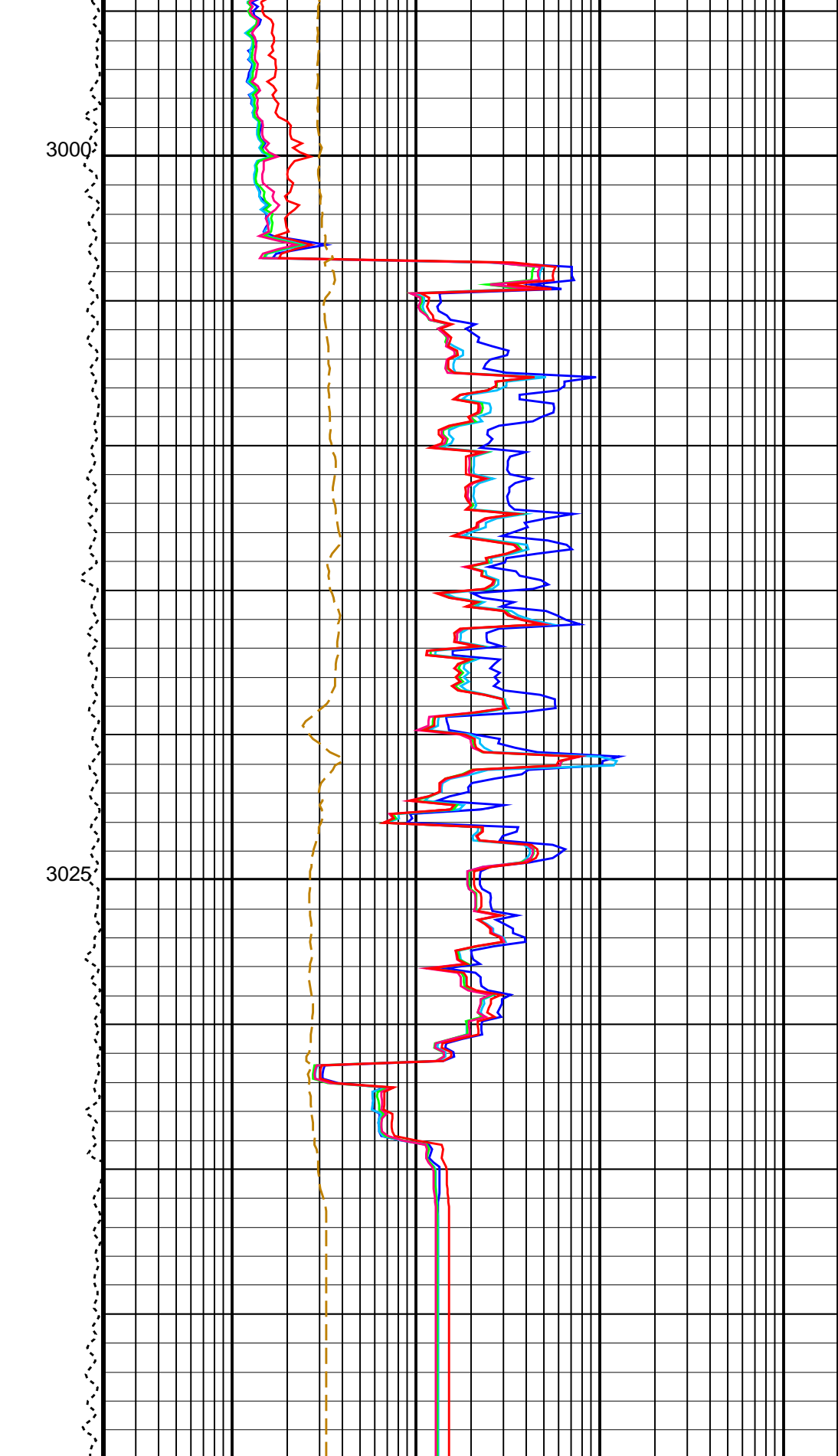
	HRLT Mud Resistivity (RM_HRLT) 0.02 (OHMM) 200
	HRLT Resistivity 5 (RLA5) 0.2 (OHMM) 2000
	HRLT Resistivity 4 (RLA4) 0.2 (OHMM) 2000
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 150	HRLT Resistivity 3 (RLA3) 0.2 (OHMM) 2000
Invasion Diameter (DI_HRLT) 0 (IN) 50	HRLT Resistivity 2 (RLA2) 0.2 (OHMM) 2000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





HLDS Caliper (LCAL)
(IN) 0 20

Invasion Diameter (DI_HRLT)
(IN) 0 50



Tension (TENS)
(LBF) 0 5000

HRLT Resistivity 1 (RLA1)
(OHMM) 0.2 2000

HRLT Resistivity 2 (RLA2)
(OHMM) 0.2 2000

HNGS Spectroscopy Gamma Ray (HSGR)		HRLT Resistivity 3 (RLA3)	
0	(GAPI) 150	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	
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	-0.00271942	
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	0.958338	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970831	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
TD	Total Depth	3096.4	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 29-Sep-2021 10:12

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_011LUP	FN:10	PRODUCER	29-Sep-2021 10:12
RTB	MSS_LDEO_HRLA_LDL_011LUP	FN:11	PRODUCER	29-Sep-2021 10:12

Company: International Ocean Discovery Program Well: Expedition 396, Site U1574A

Output DLIS Files

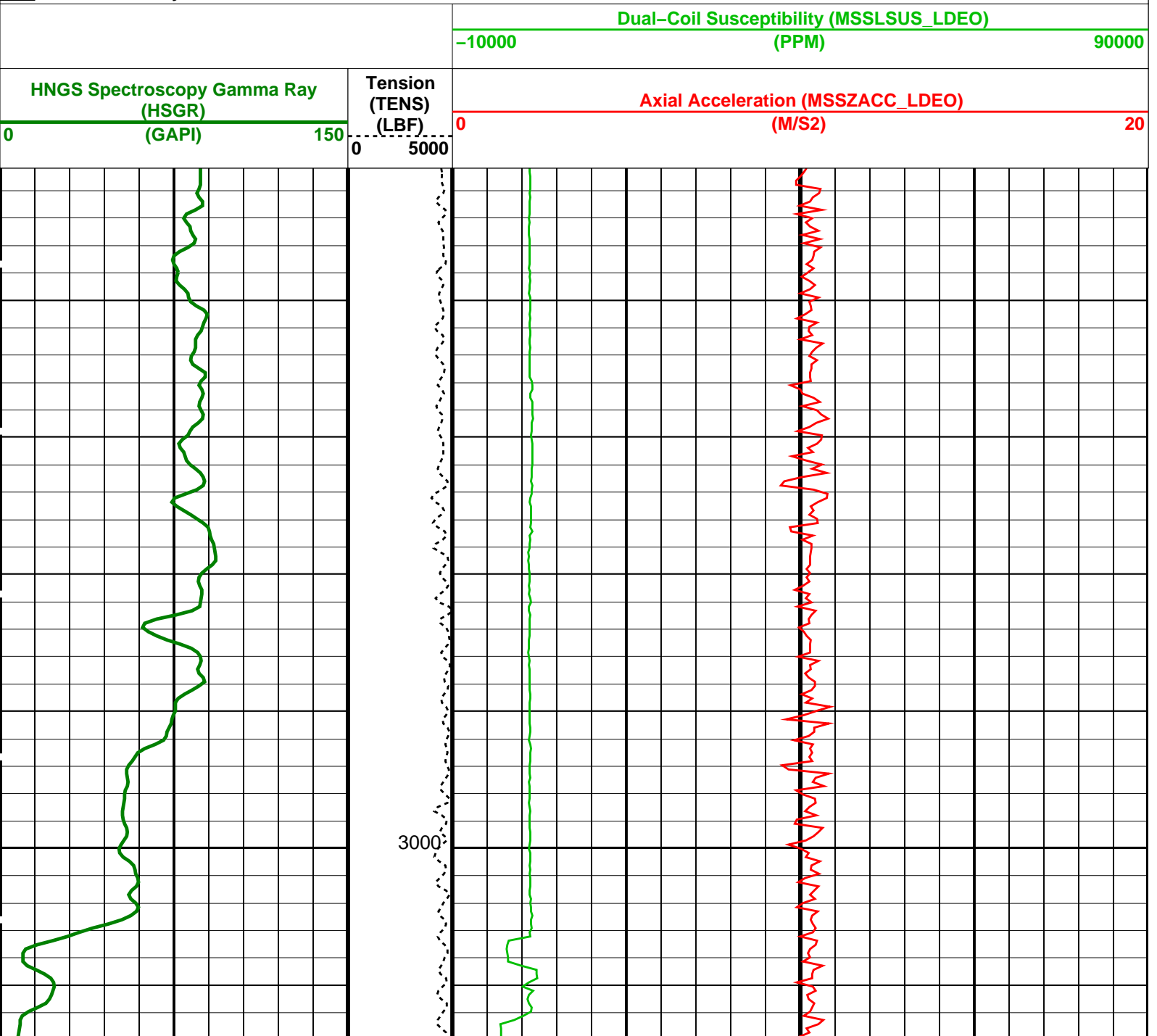
DEFAULT	MSS_LDEO_HRLA_LDL_011LUP	FN:10	PRODUCER	29-Sep-2021 10:12	3045.0 M	2976.4 M
RTB	MSS_LDEO_HRLA_LDL_011LUP	FN:11	PRODUCER	29-Sep-2021 10:12	3045.0 M	2976.4 M

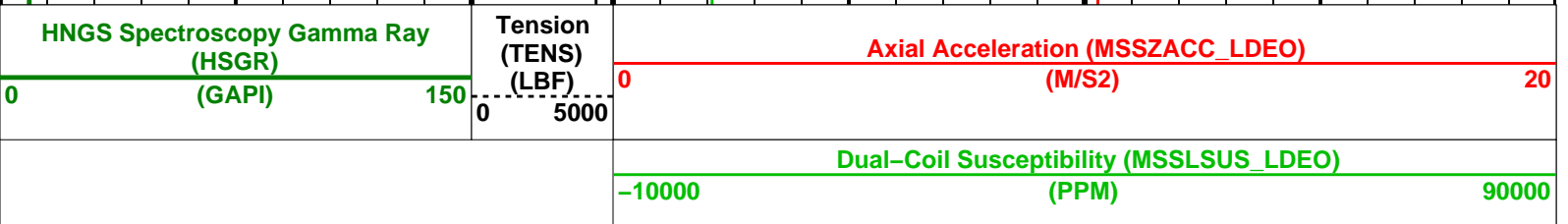
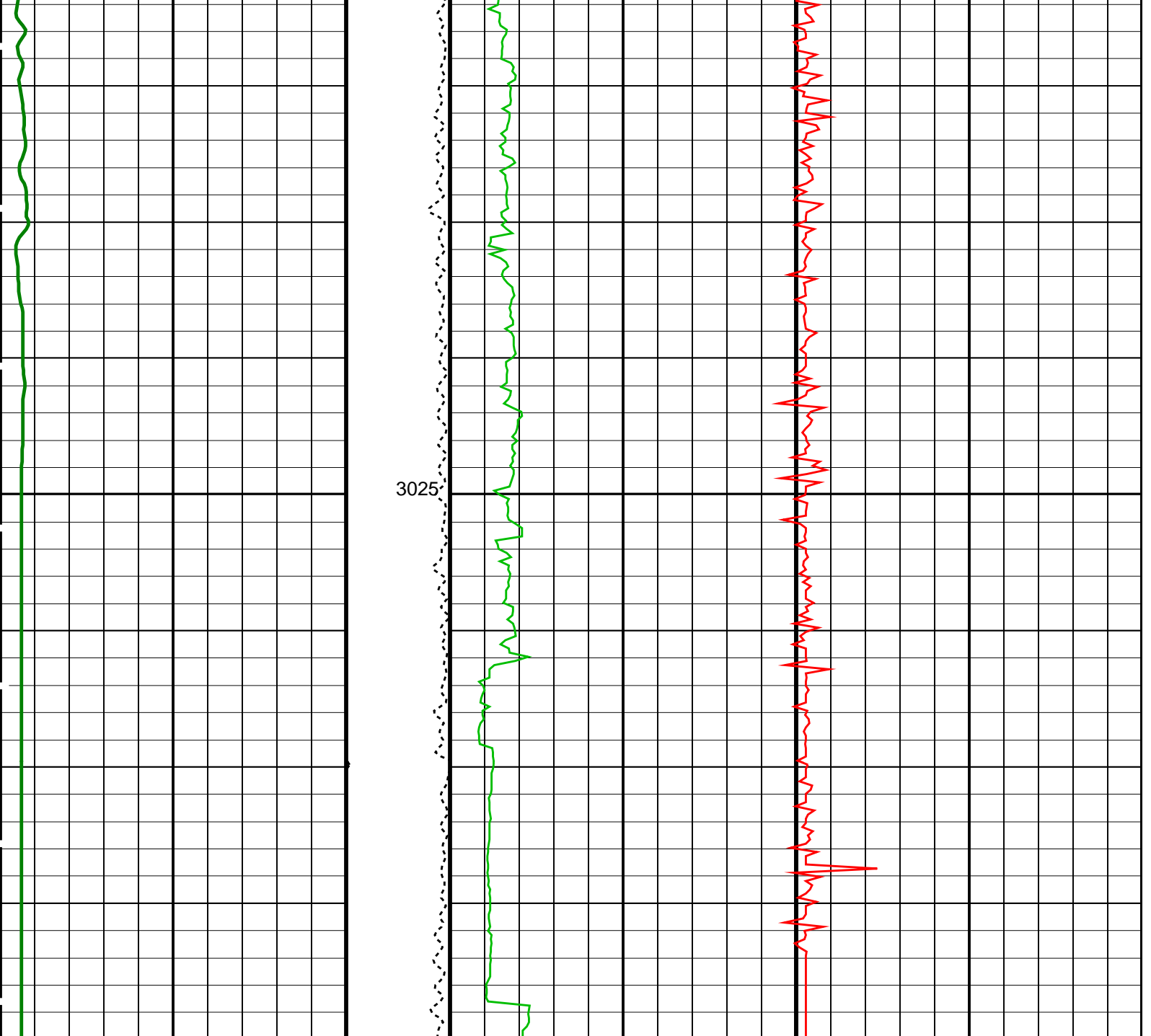
OP System Version: 19C0-187

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





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	HRLT-B: High Resolution Laterolog Array - B	
GCSE	Borehole Status	OPEN
	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 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	-0.00271942	
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	0.958338	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970831	
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: 29-Sep-2021 10:12

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_011LUP	FN:10	PRODUCER	29-Sep-2021 10:12
RTB	MSS_LDEO_HRLA_LDL_011LUP	FN:11	PRODUCER	29-Sep-2021 10:12



Second Pass

MAXIS Field Log

Company: International Ocean Discovery Program Well: Expedition 396, Site U1574A

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_012LUP	FN:12	PRODUCER	29-Sep-2021 10:34	3045.0 M	2823.2 M
RTB	MSS_LDEO_HRLA_LDL_012LUP	FN:13	PRODUCER	29-Sep-2021 10:34	3045.0 M	2823.2 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

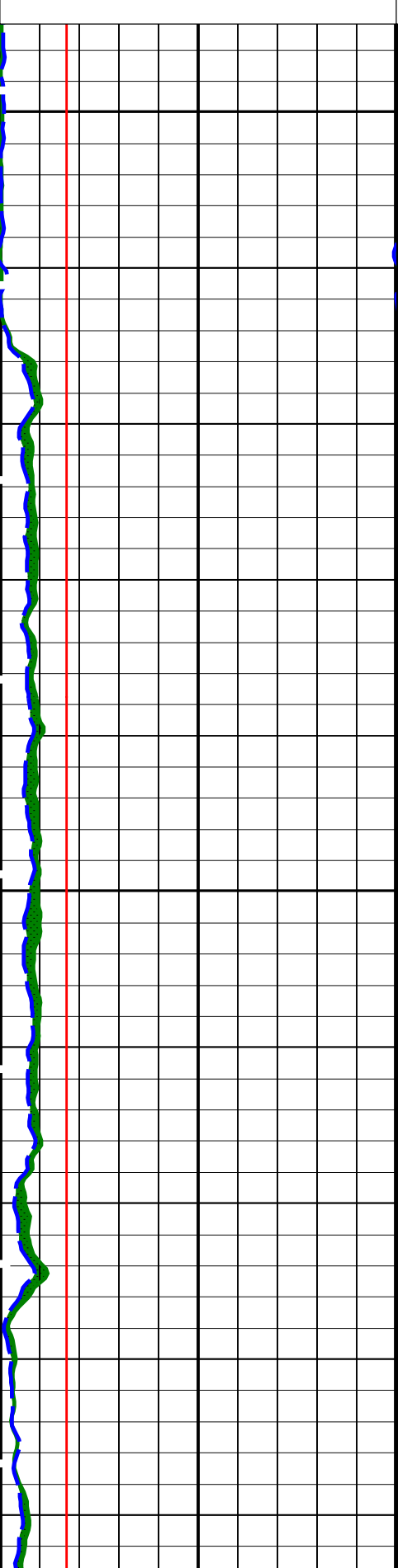
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

Area1
From HCGR to HSGR

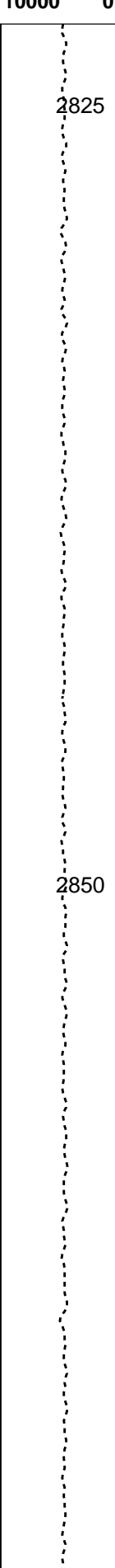
HNGS Borehole Potassium (HBHK)		
-0.01	(V/V)	0.01

HNGS Computed Gamma Ray (HCGR)
(GAPI)

HLDS Caliper (LCAL)
(IN)



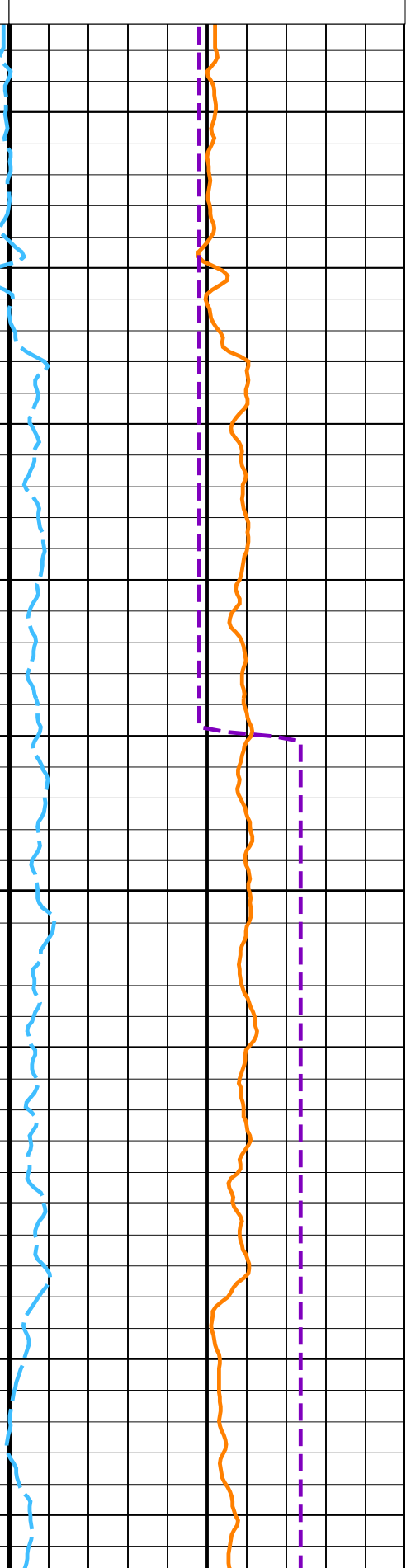
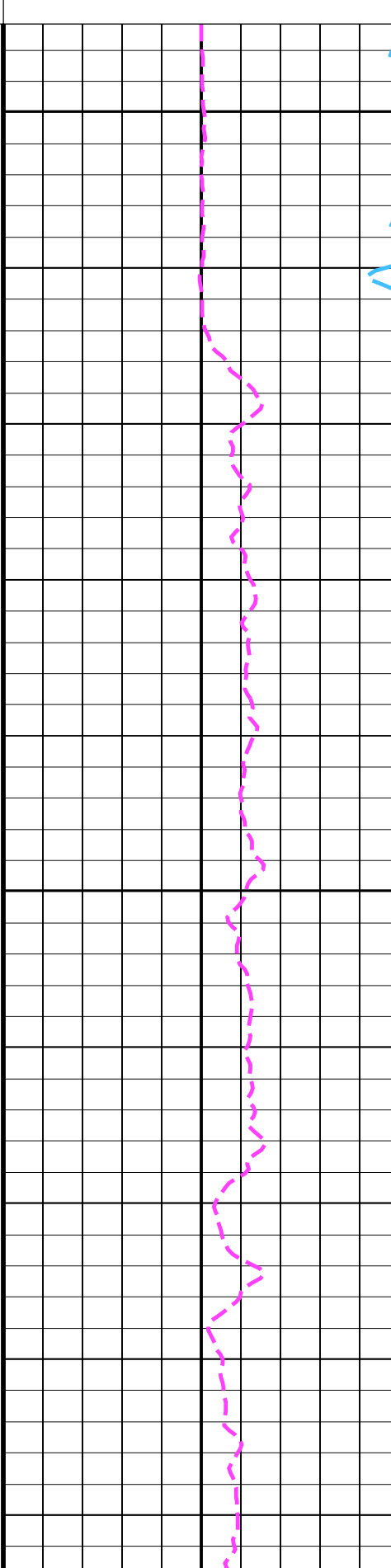
Tension
(TENS)
(LBF)

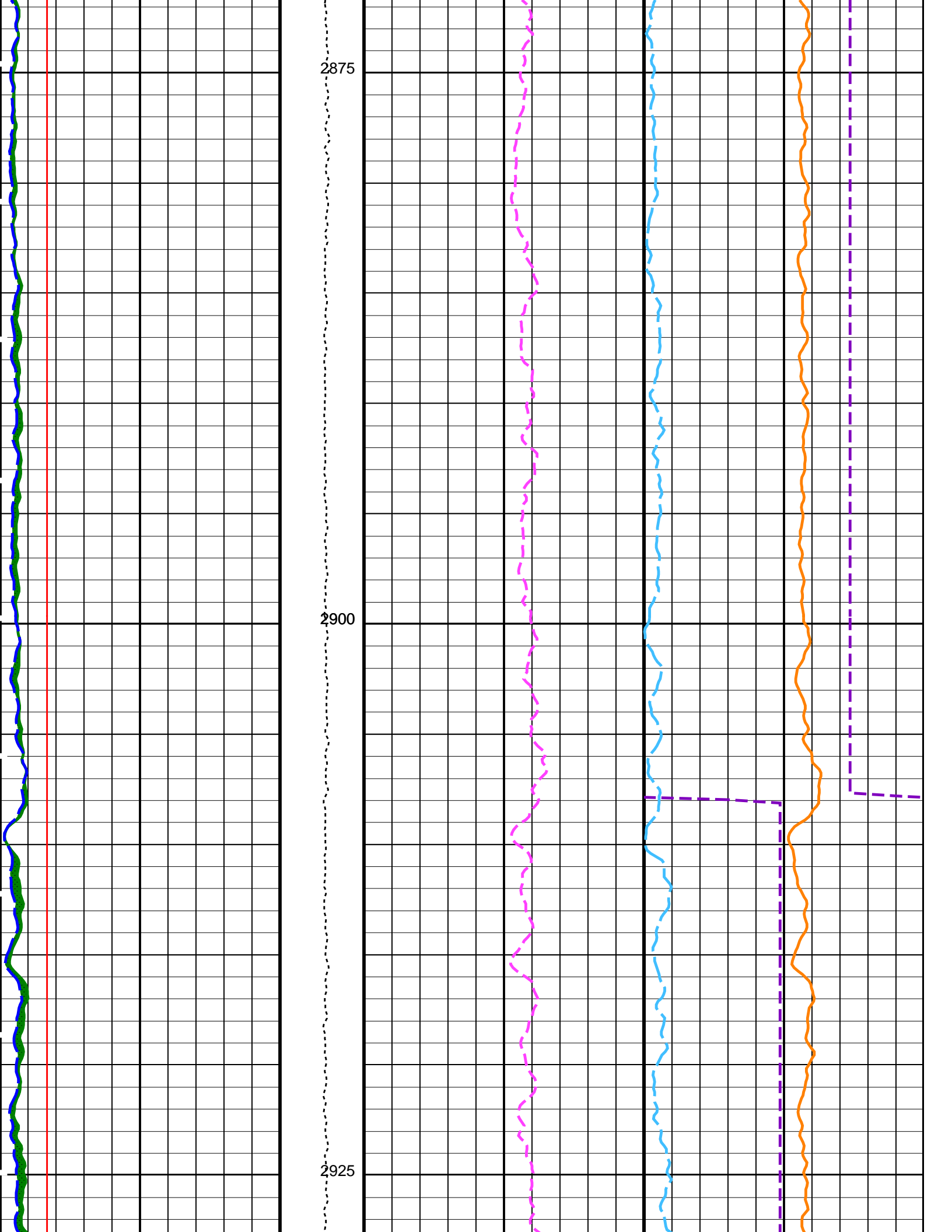


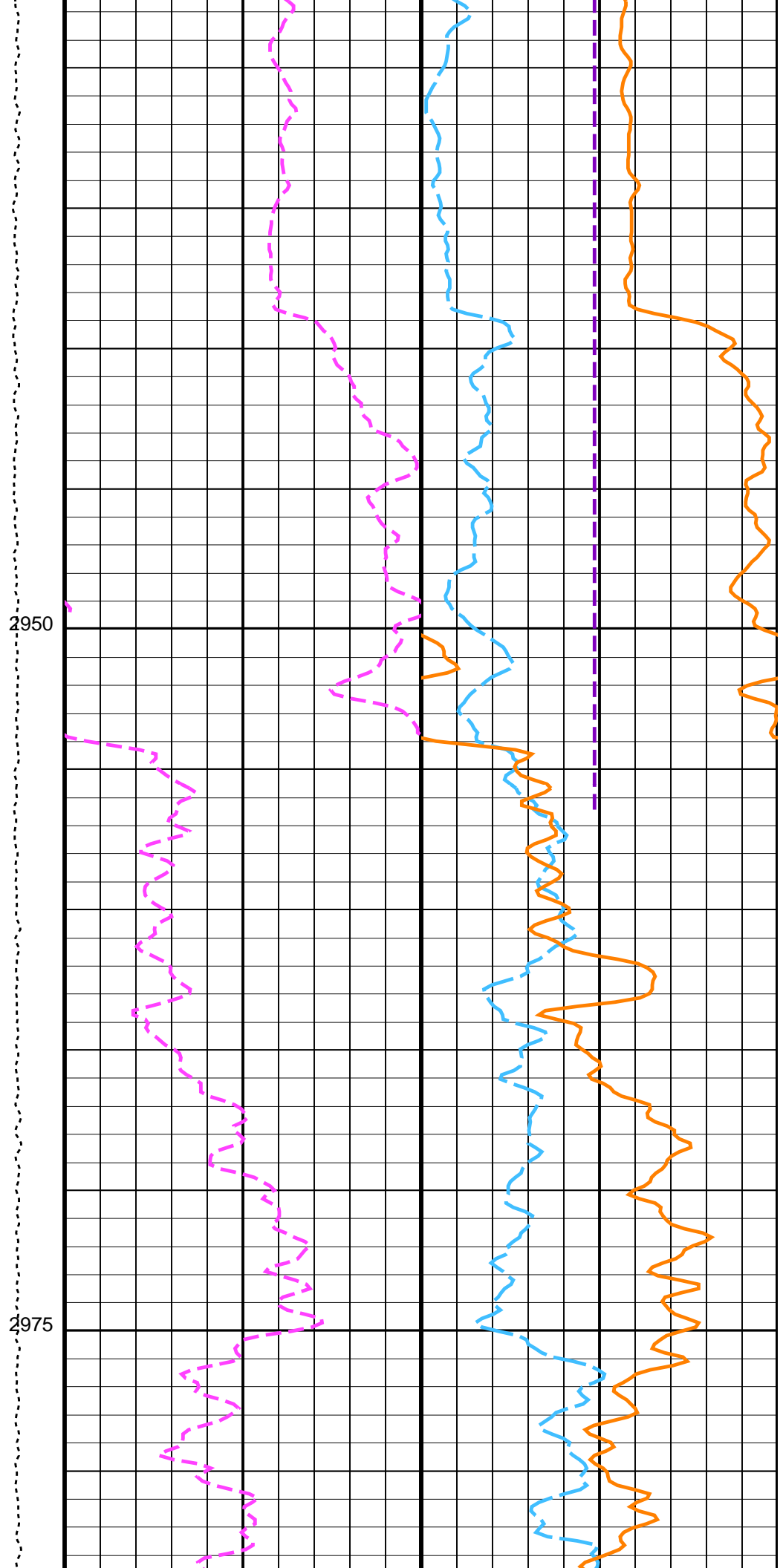
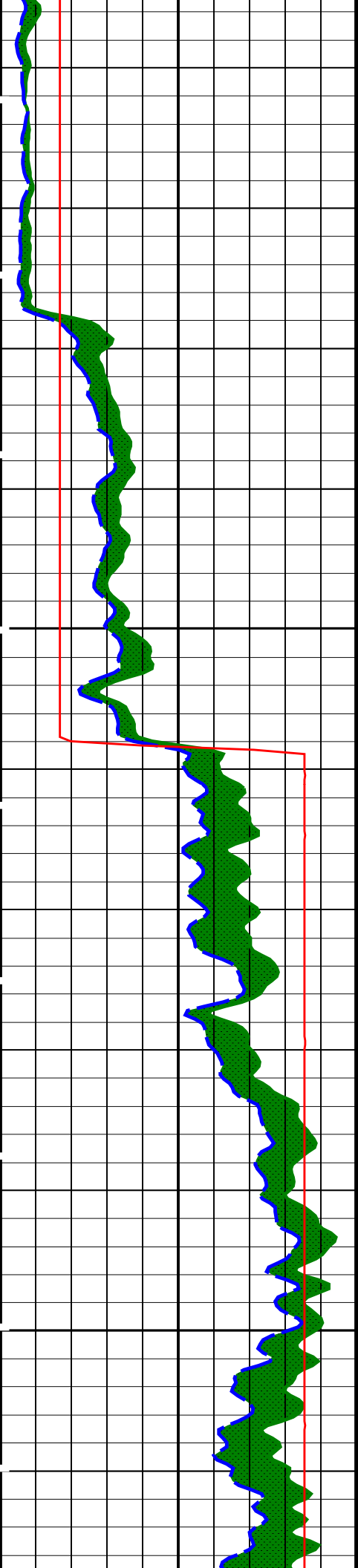
HNGS Uranium (HURA)
(PPM)

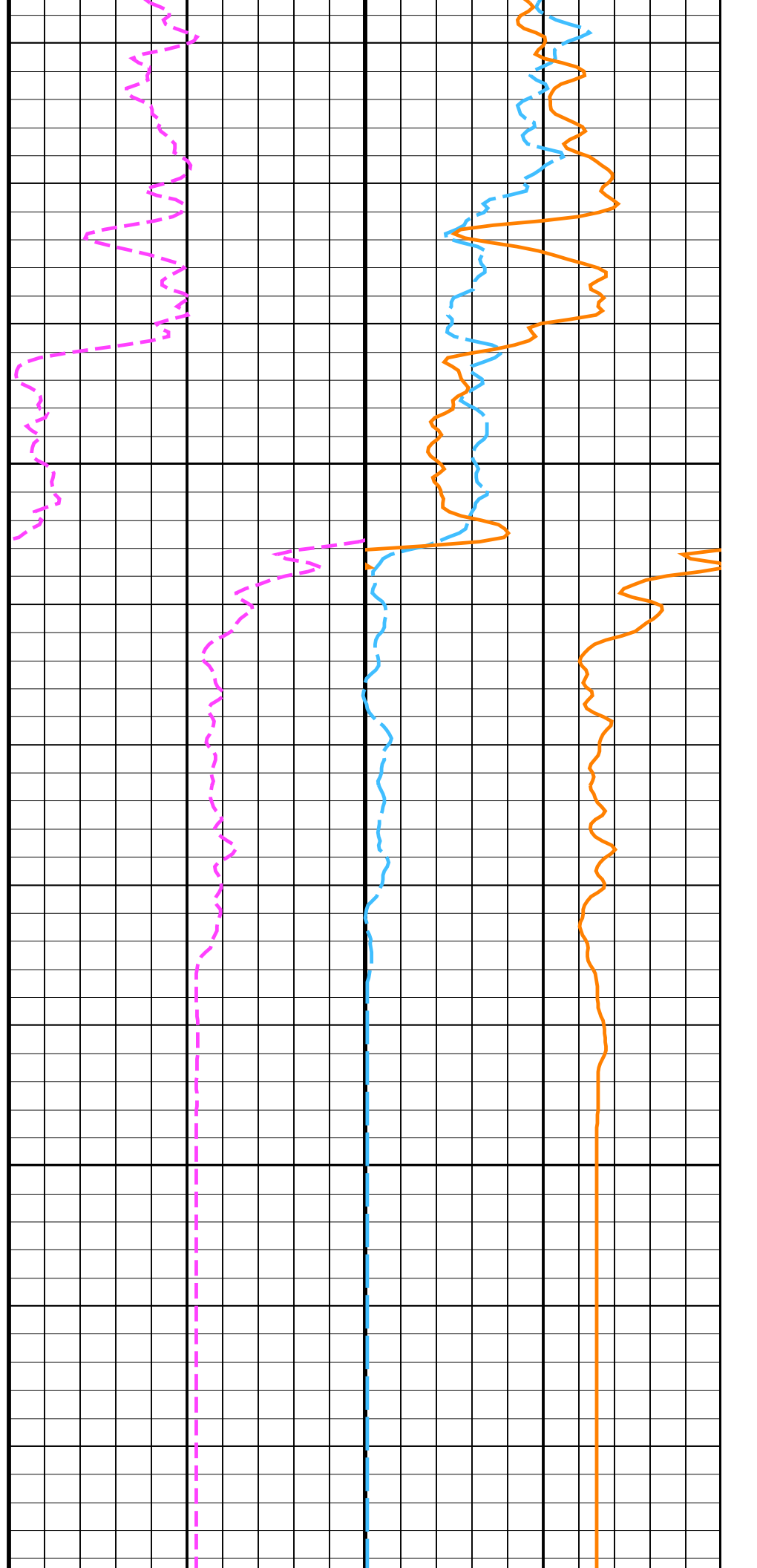
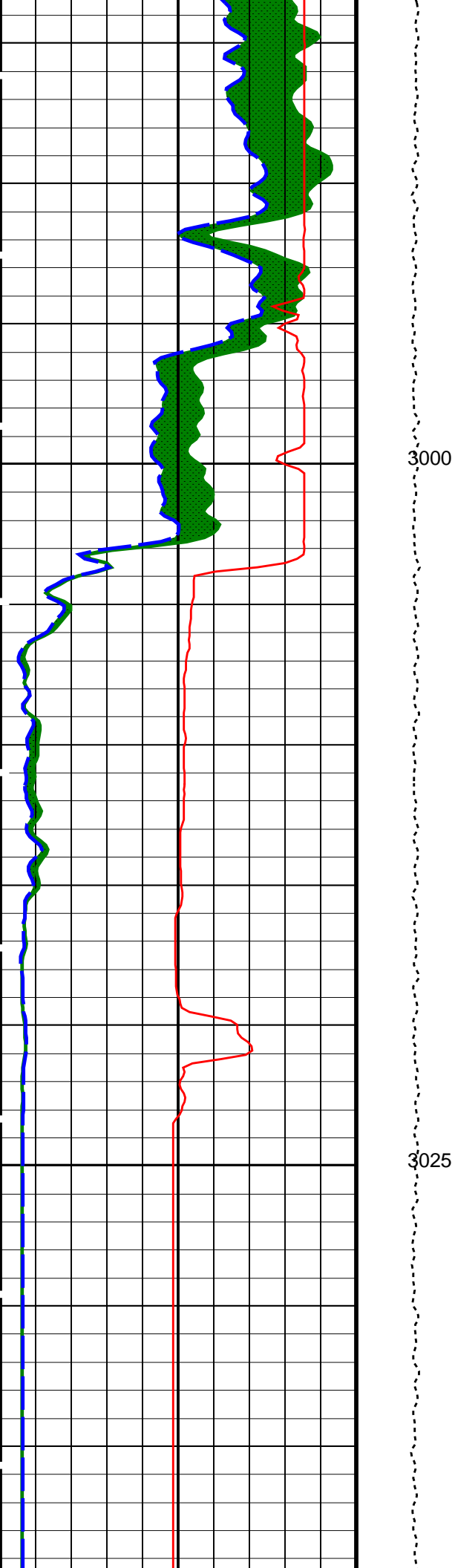
HNGS Thorium (HTHO)
(PPM)

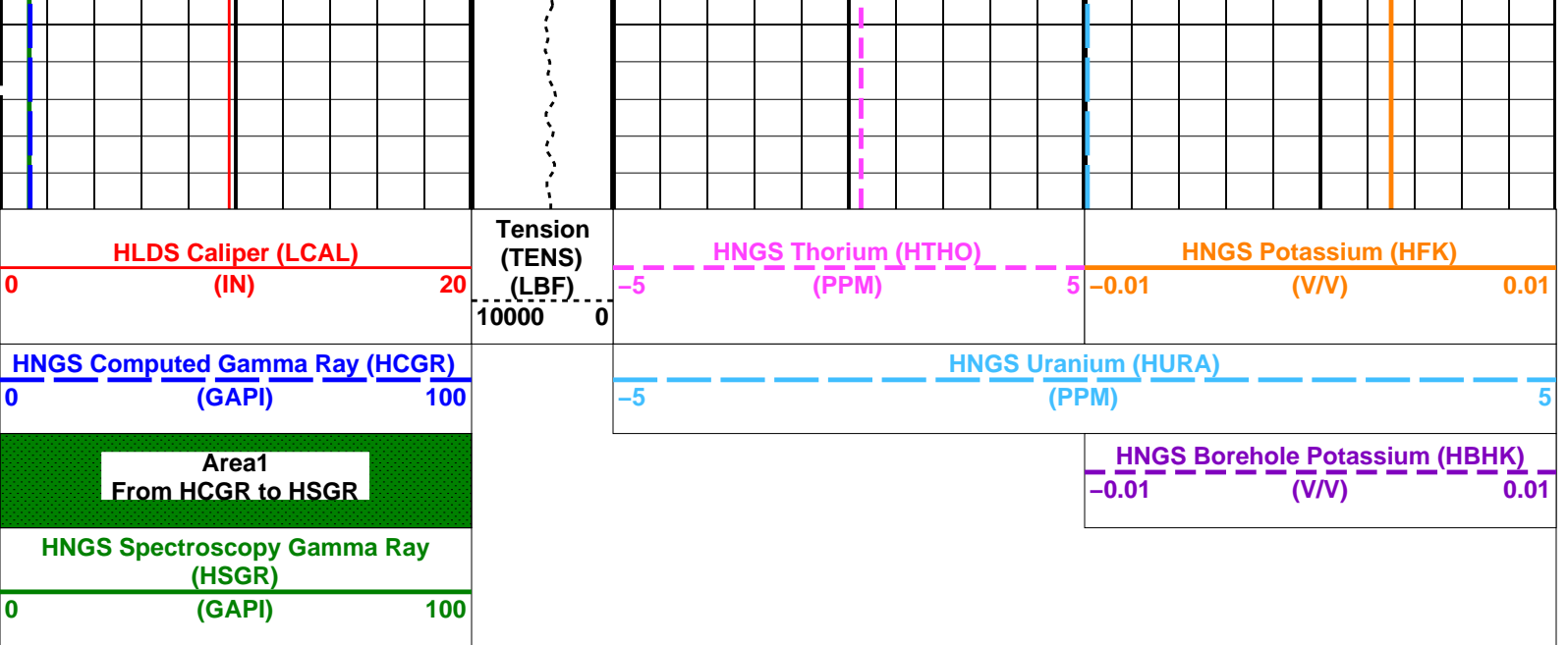
HNGS Potassium (HFK)
(V/V)











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	-0.00271942
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	0.958338
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970831
	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: 29-Sep-2021 10:34

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_012LUP	FN:12	PRODUCER	29-Sep-2021 10:34
RTB	MSS_LDEO_HRLA_LDL_012LUP	FN:13	PRODUCER	29-Sep-2021 10:34

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_012LUP	FN:12	PRODUCER	29-Sep-2021 10:34	3045.0 M	2823.2 M
RTB	MSS_LDEO_HRLA_LDL_012LUP	FN:13	PRODUCER	29-Sep-2021 10:34	3045.0 M	2823.2 M

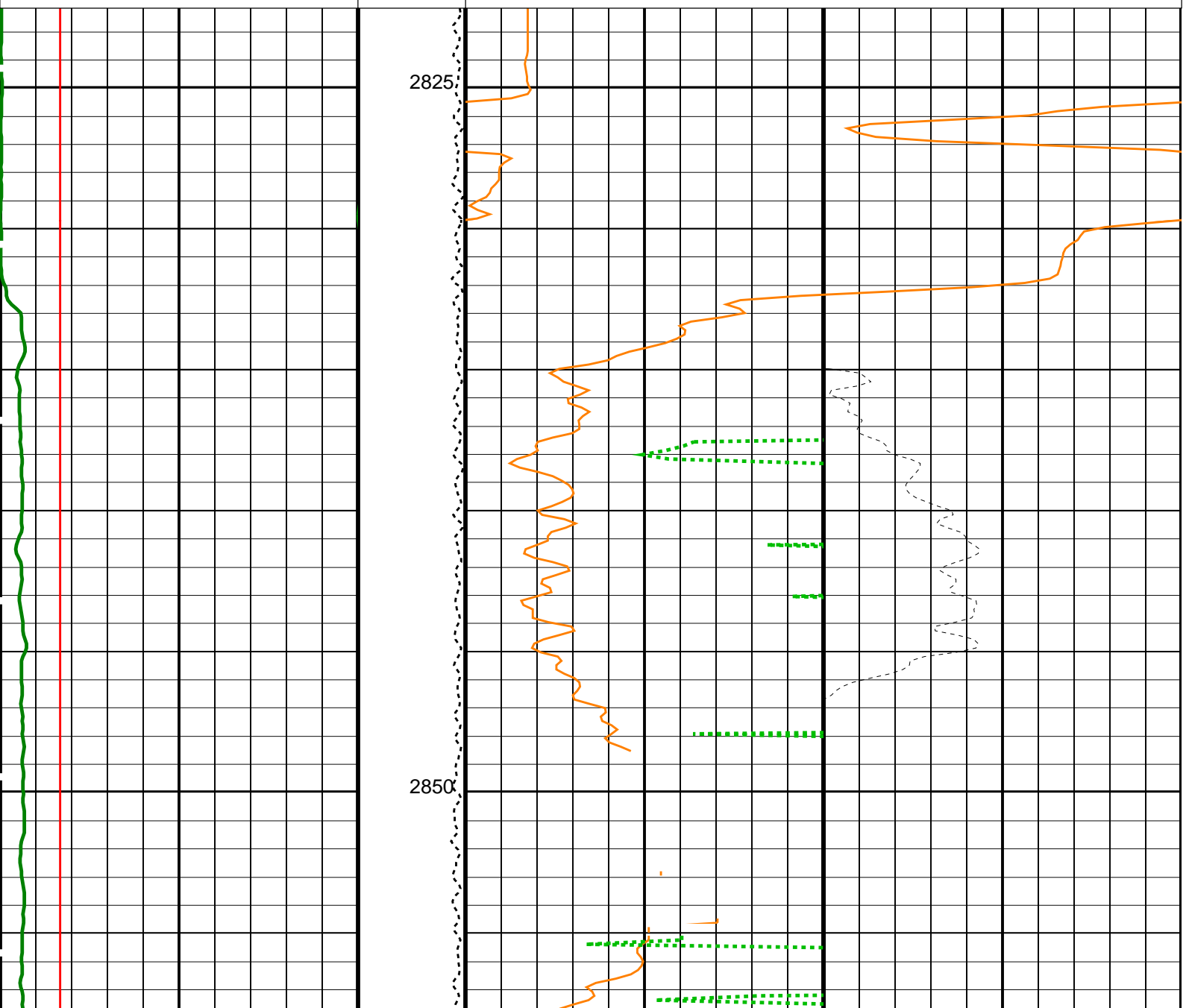
OP System Version: 19C0-187

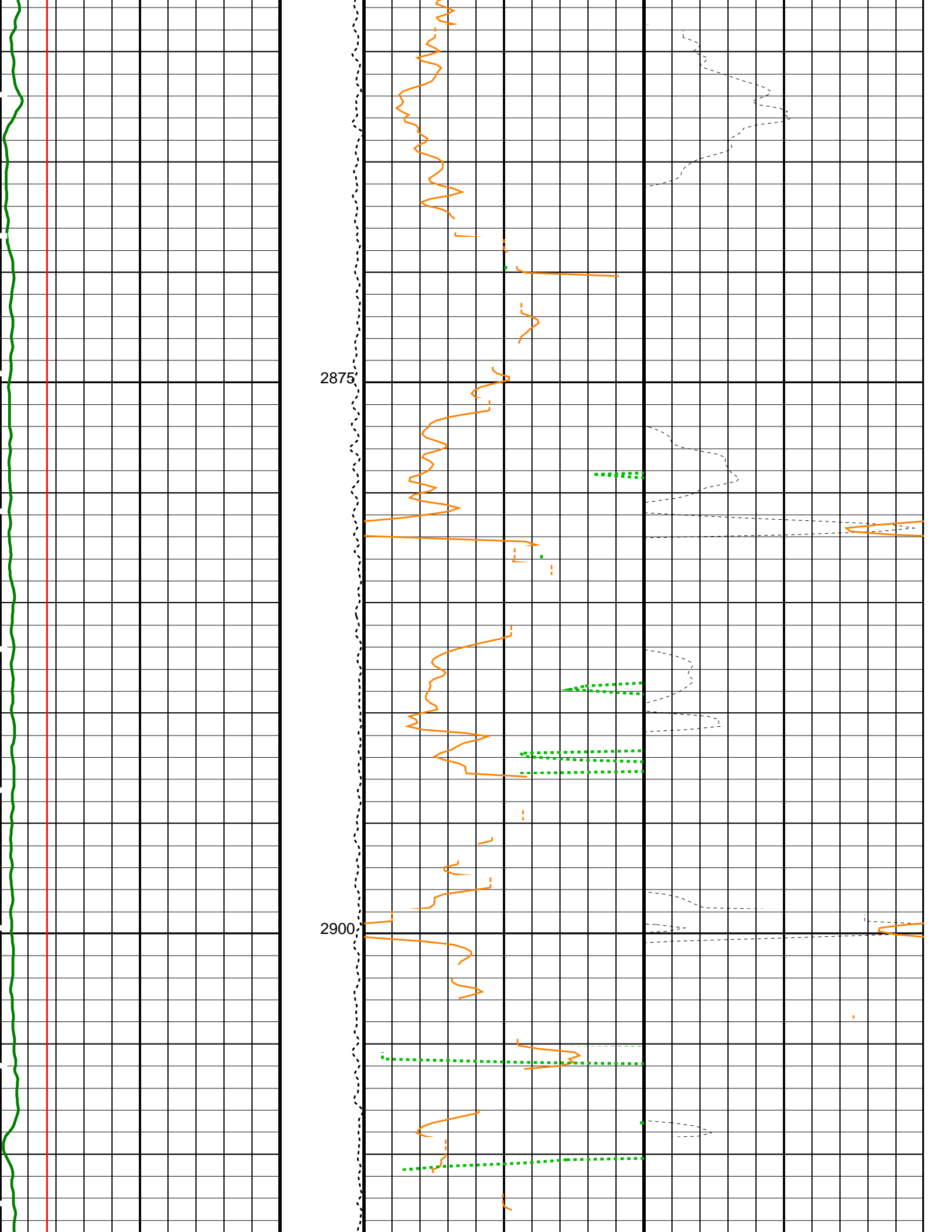
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

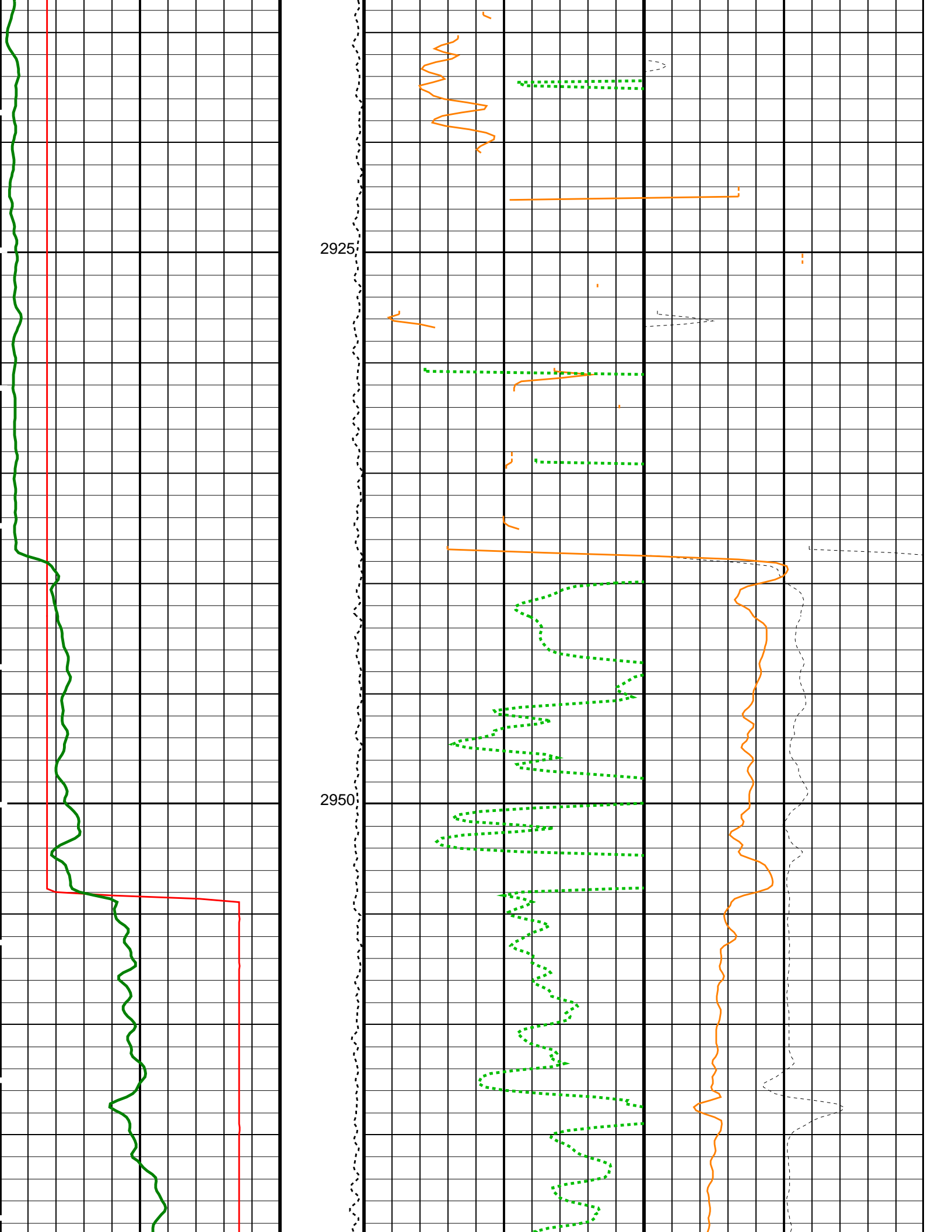
PIP SUMMARY

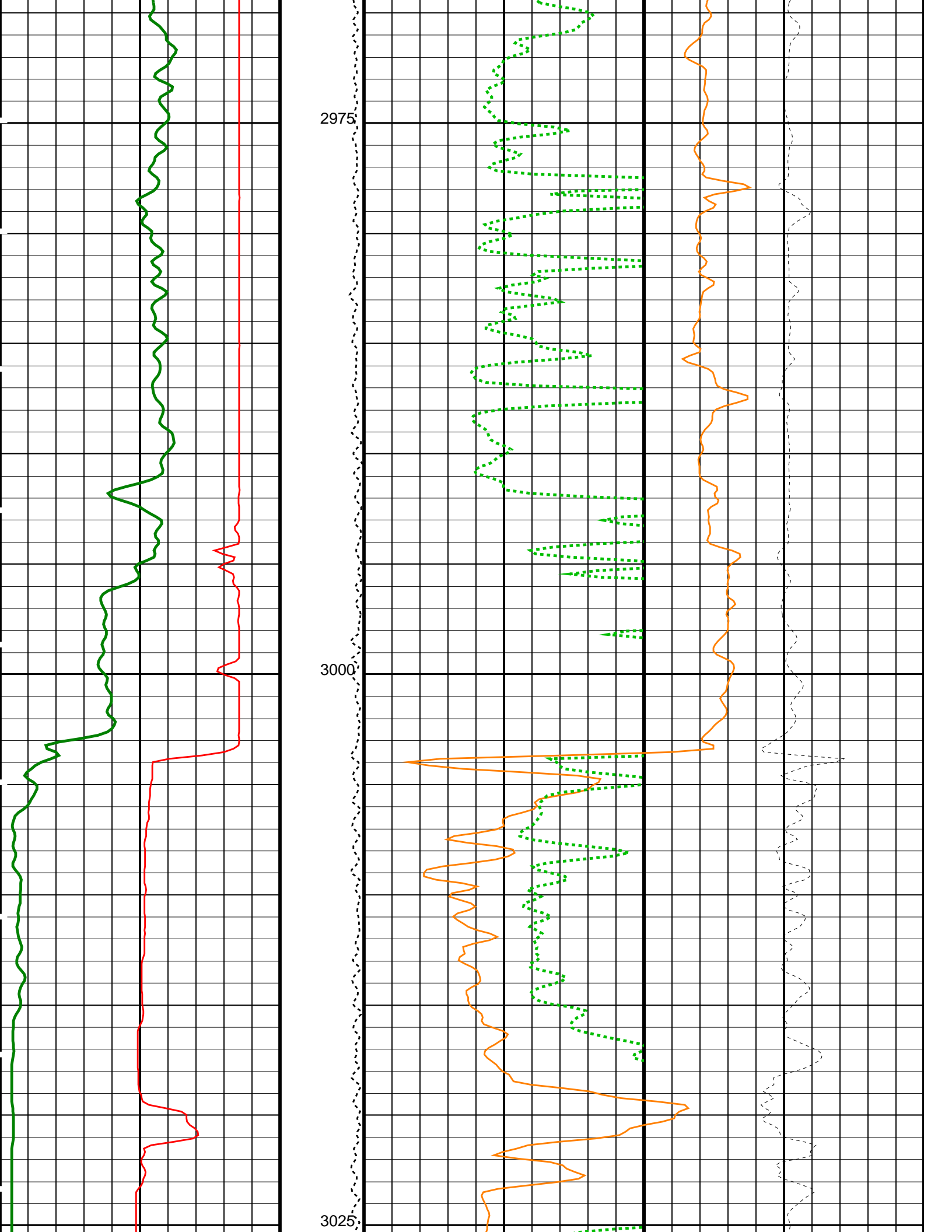
Time Mark Every 60 S

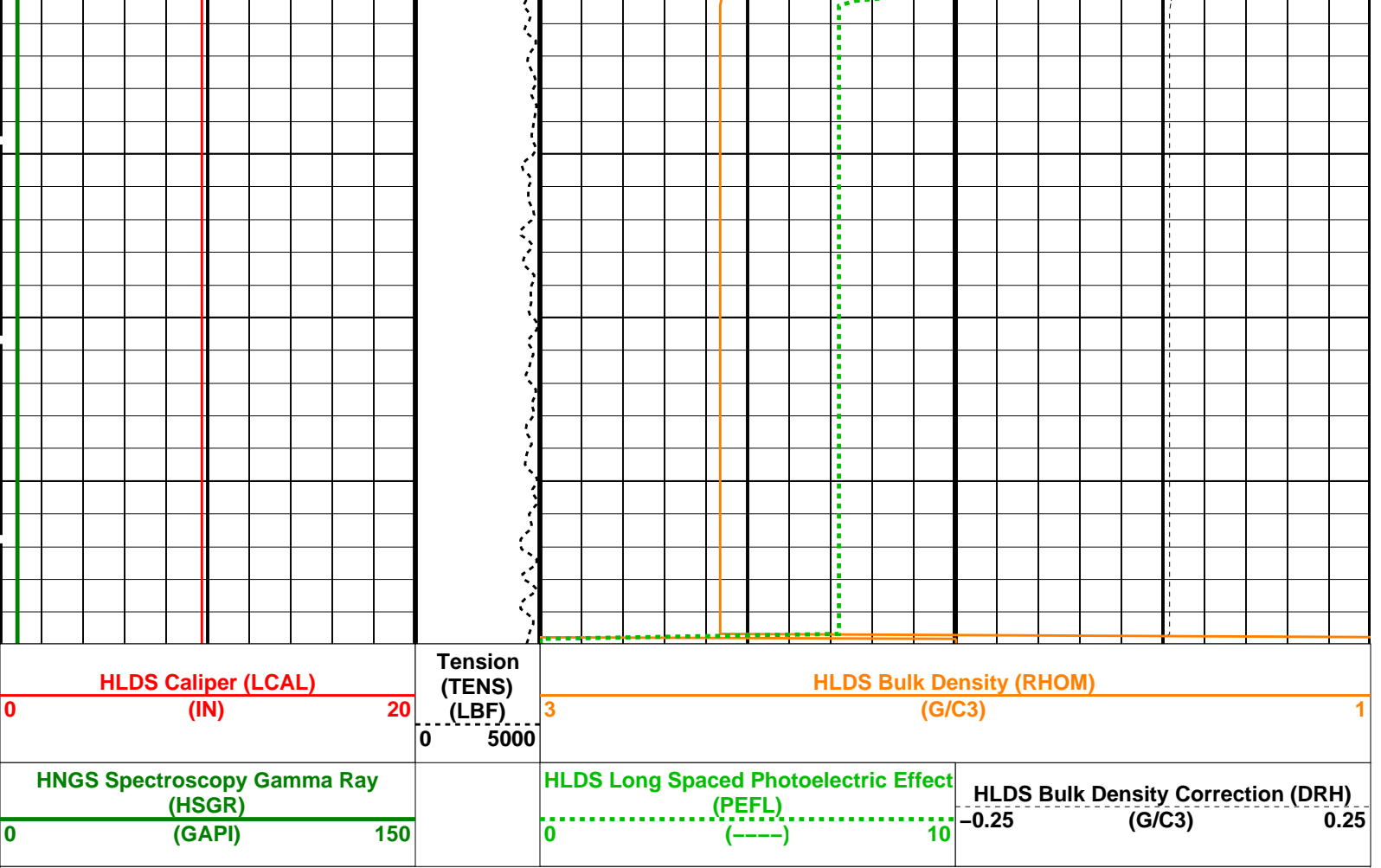
<p>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 150</p>	<p>HLDS Long Spaced Photoelectric Effect (PEFL) (----) 0 10</p>	<p>HLDS Bulk Density Correction (DRH) (G/C3) -0.25 0.25</p>
<p>HLDS Caliper (LCAL) (IN) 0 20</p>	<p>Tension (TENS) (LBF) 0 5000</p>	<p>HLDS Bulk Density (RHOM) (G/C3) 3 1</p>











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
BAR1	HNGS-BA: Hostile Natural Gamma Ray Sonde 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	-0.00271942
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	0.958338
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970831
BS	System and Miscellaneous Bit Size	9.875 IN
DED	Drilling Fluid Density	1.26 G/C3

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_012LUP	FN:12	PRODUCER	29-Sep-2021 10:34
RTB	MSS_LDEO_HRLA_LDL_012LUP	FN:13	PRODUCER	29-Sep-2021 10:34

Company: International Ocean Discovery Program

Well: Expedition 396, Site U1574A

Output DLIS Files

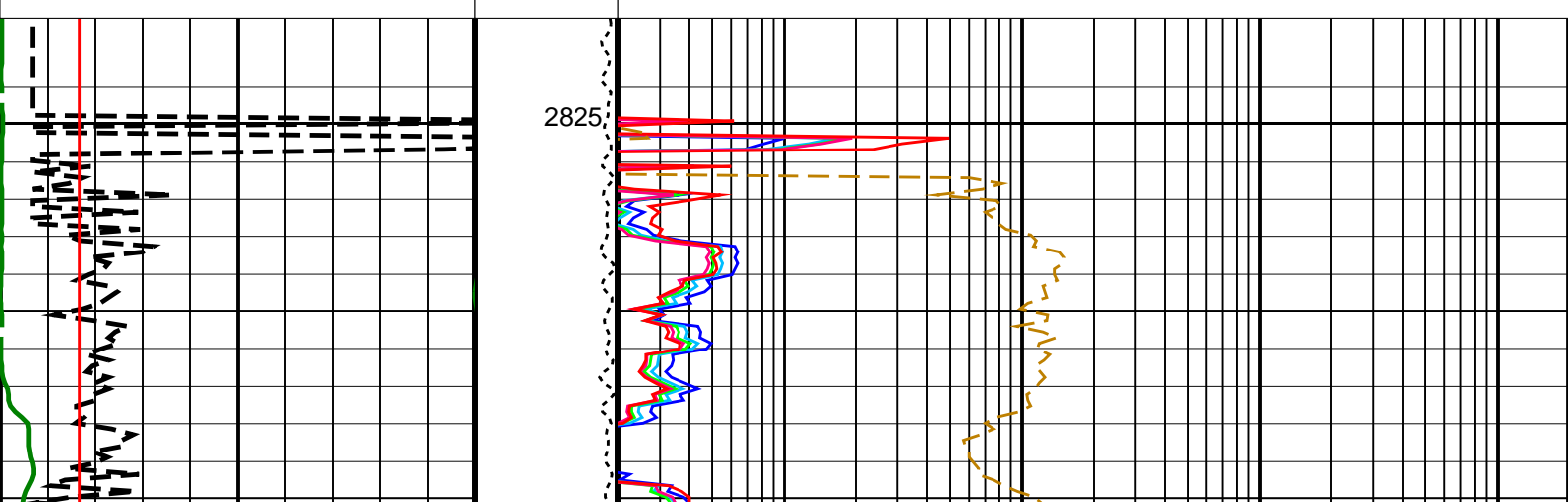
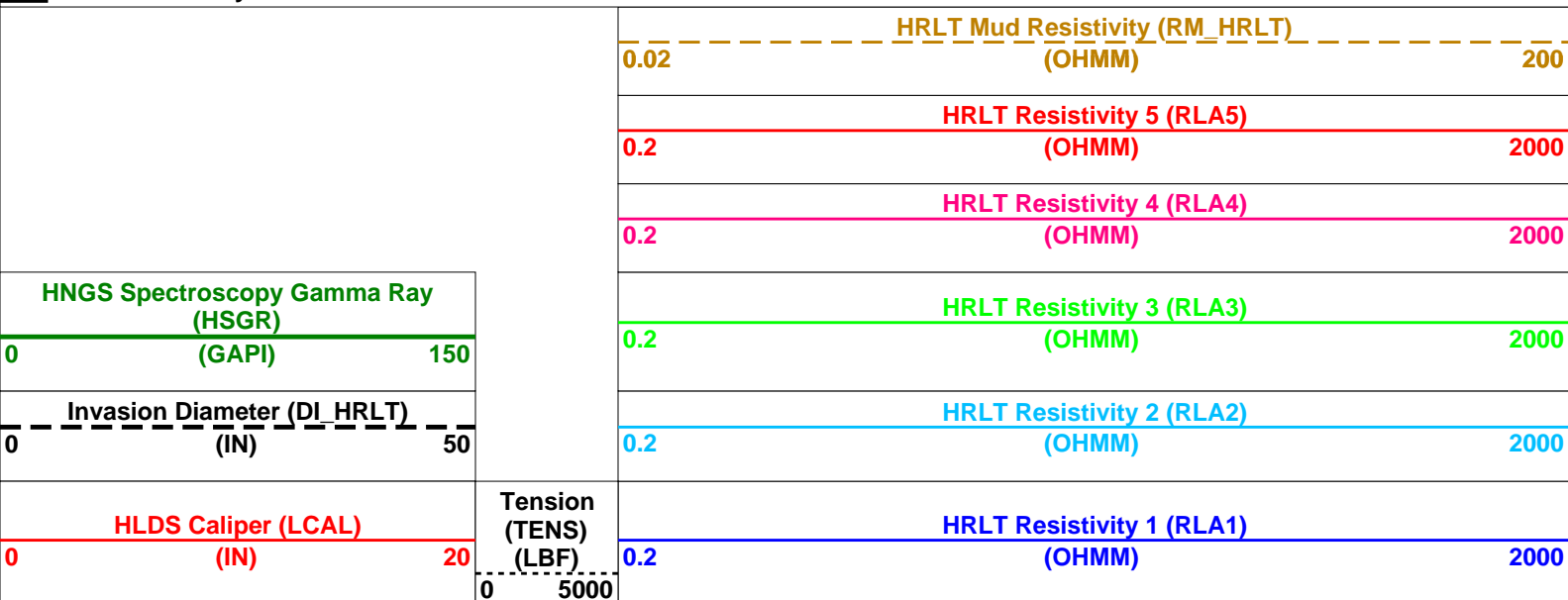
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RTB	MSS_LDEO_HRLA_LDL_012LUP	FN:13	PRODUCER	29-Sep-2021 10:34	3045.0 M	2823.2 M

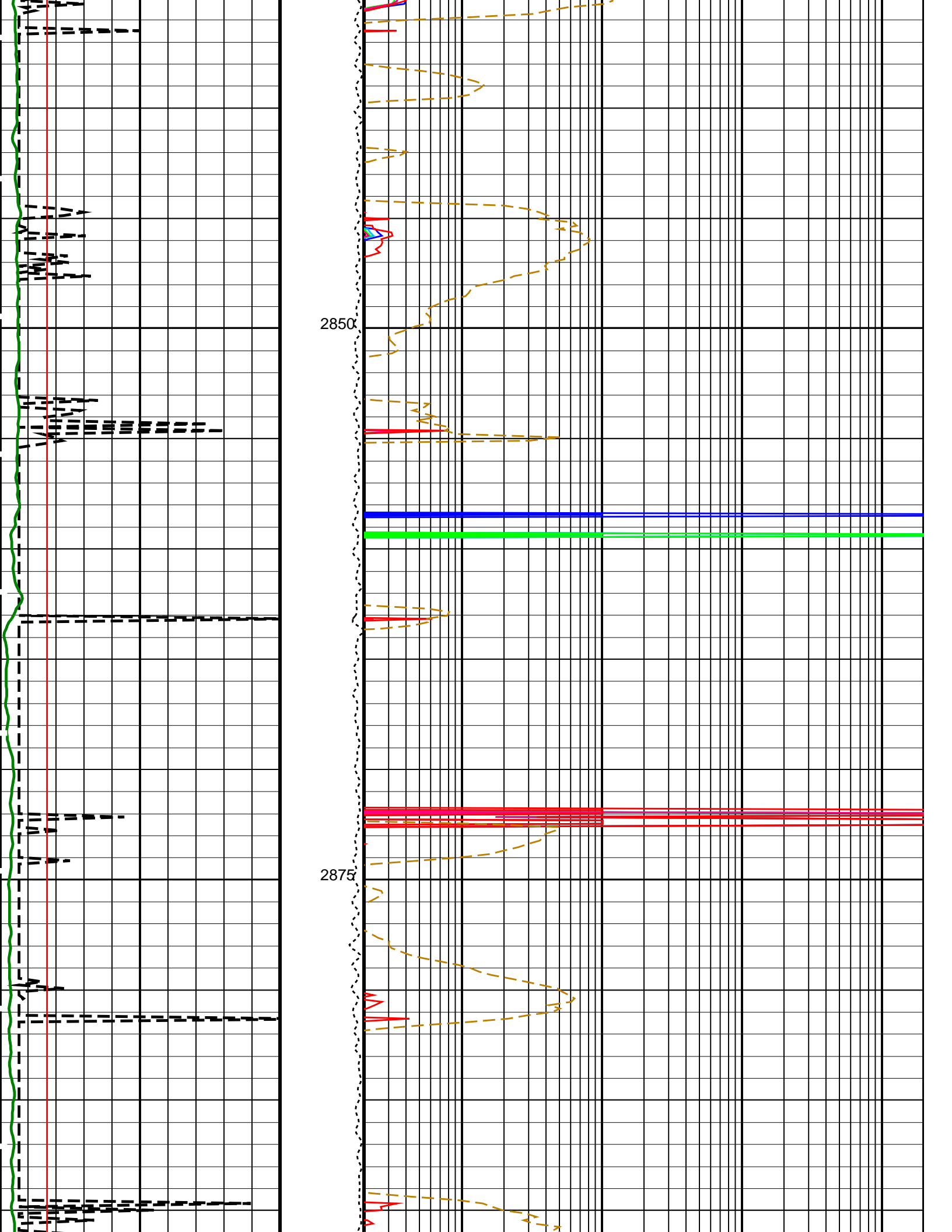
OP System Version: 19C0-187

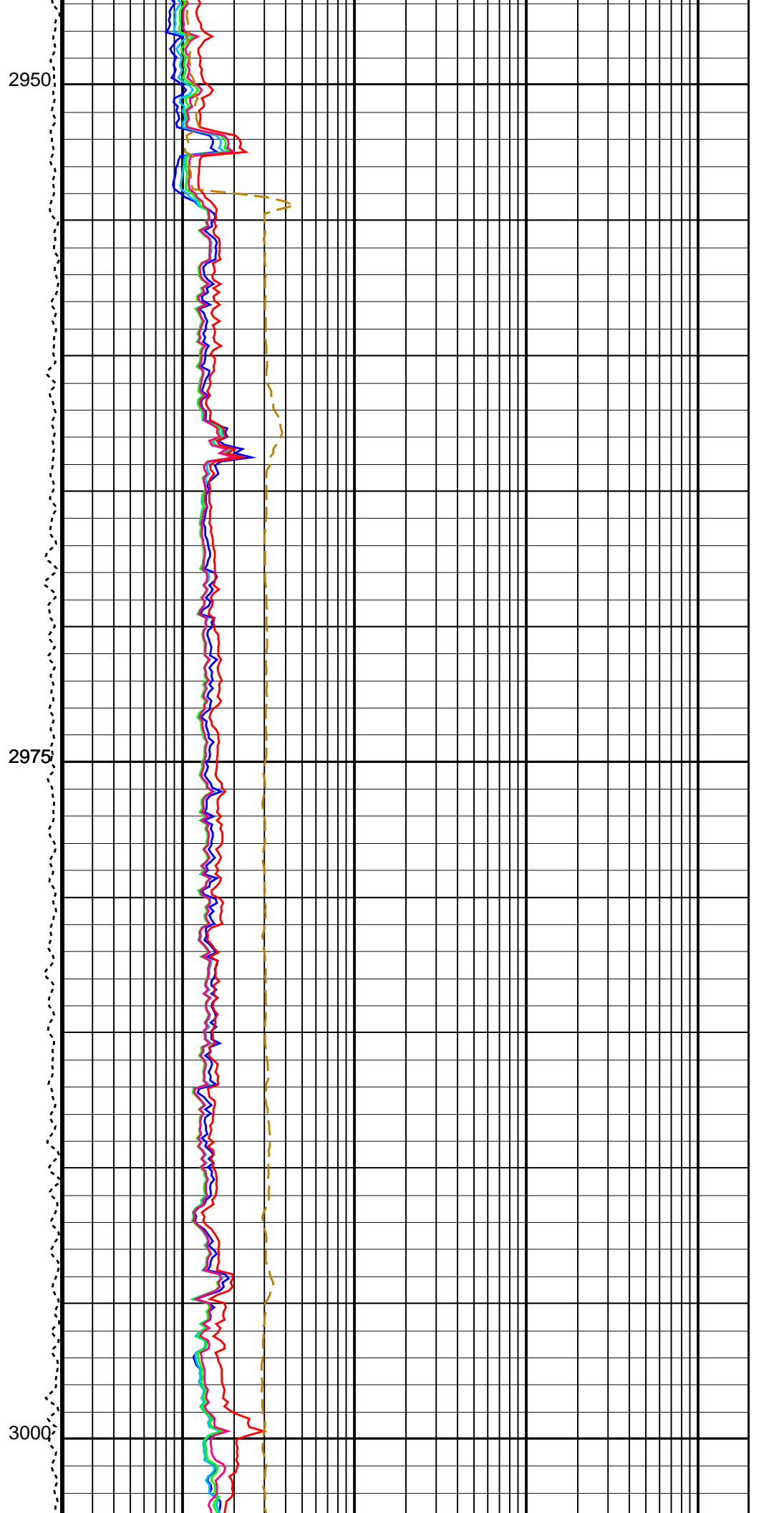
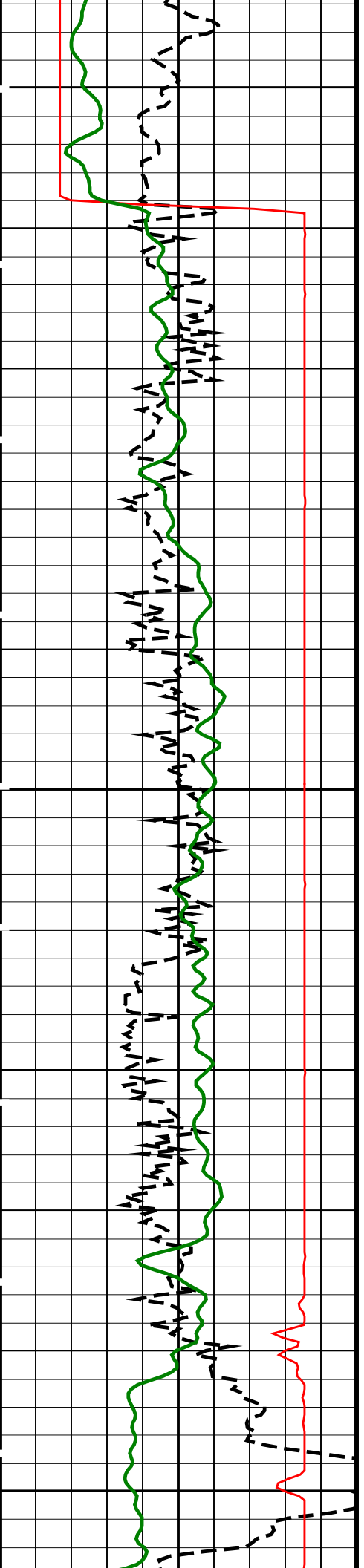
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

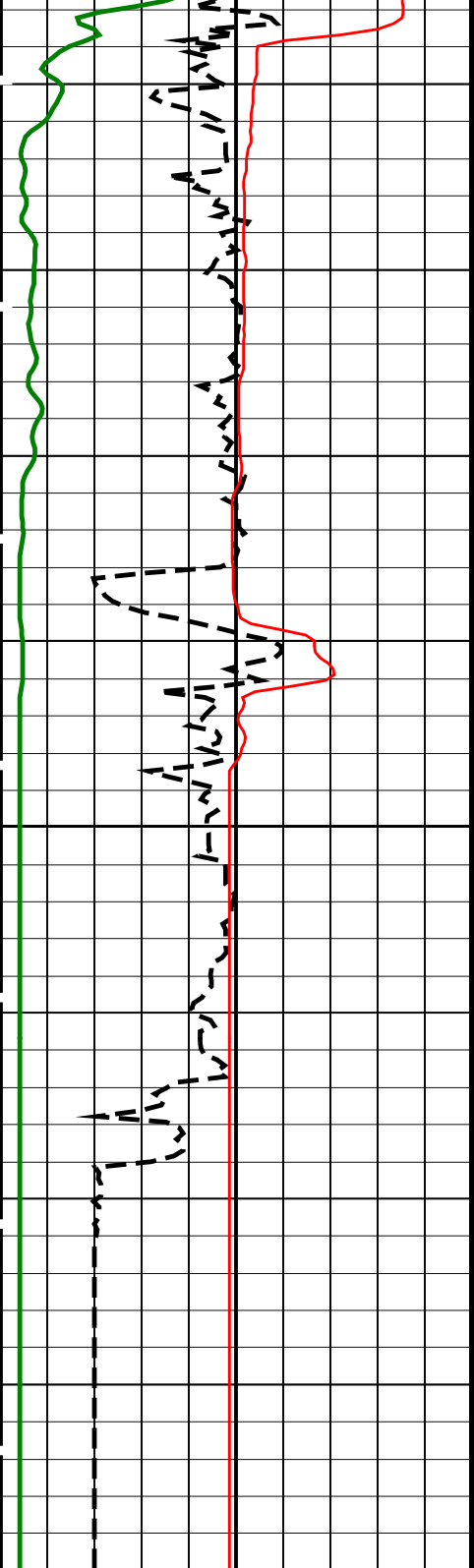
PIP SUMMARY

Time Mark Every 60 S

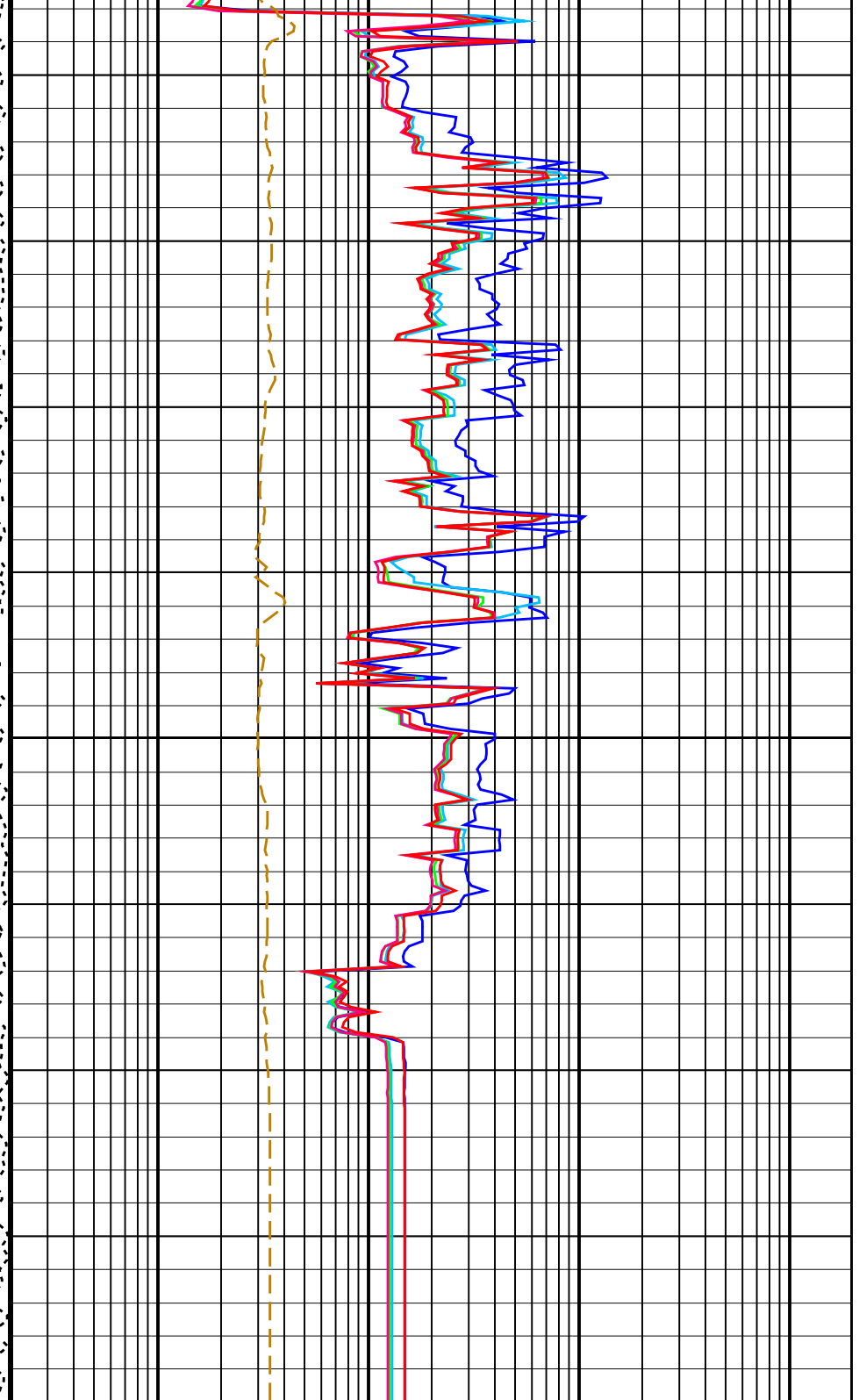








3025



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

Tension (TENS)	(LBF)	0	5000
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HRLT Resistivity 1 (RLA1)	(OHMM)	0.2	2000
HRLT Resistivity 2 (RLA2)	(OHMM)	0.2	2000
HRLT Resistivity 3 (RLA3)	(OHMM)	0.2	2000
HRLT Resistivity 4 (RLA4)	(OHMM)	0.2	2000
HRLT Resistivity 5 (RLA5)	(OHMM)	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	
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	-0.00271942	
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	0.958338	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970831	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
TD	Total Depth	3096.4	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 29-Sep-2021 10:34

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_012LUP	FN:12	PRODUCER	29-Sep-2021 10:34
RTB	MSS_LDEO_HRLA_LDL_012LUP	FN:13	PRODUCER	29-Sep-2021 10:34

Company: International Ocean Discovery Program Well: Expedition 396, Site U1574A

Output DLIS Files

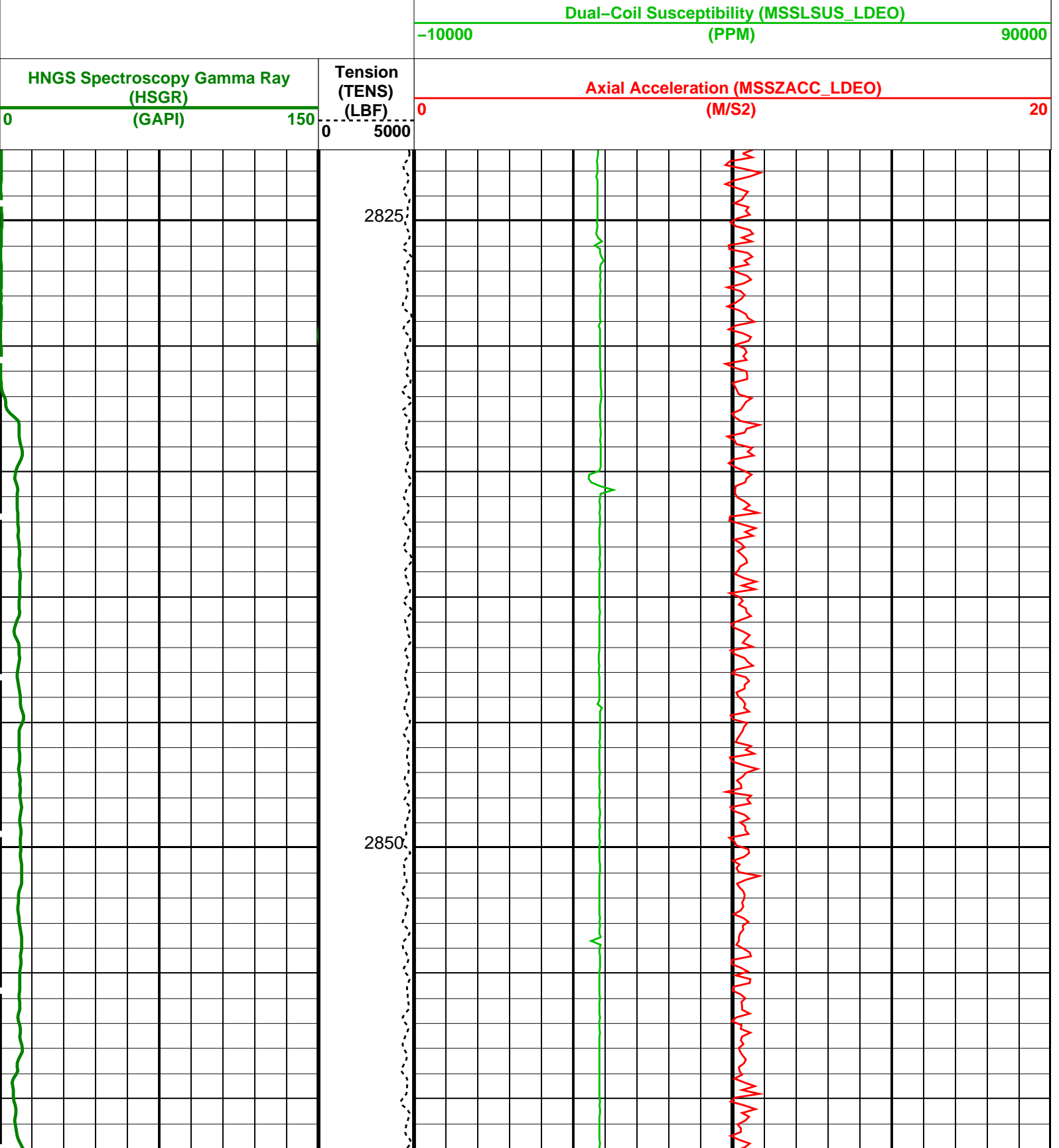
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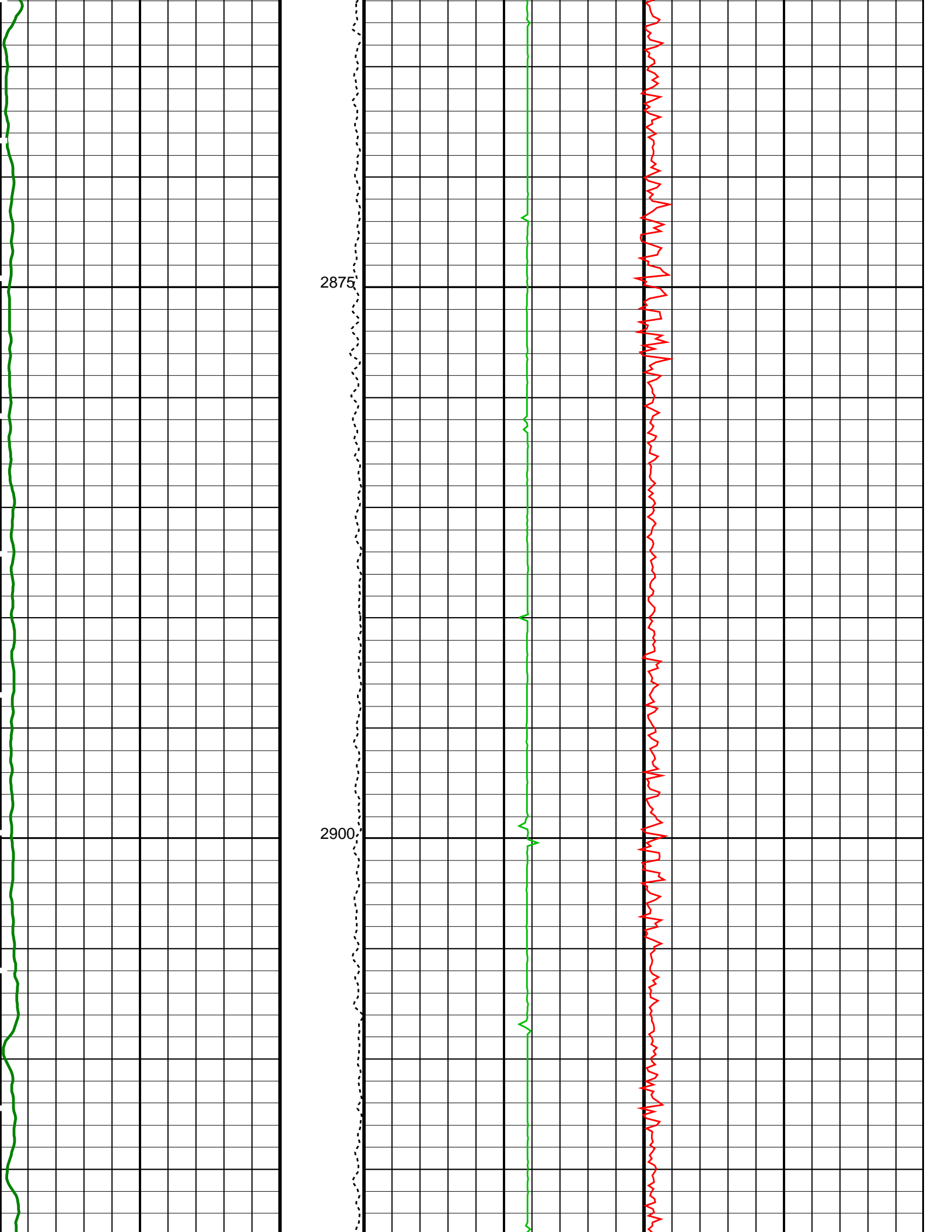
OP System Version: 19C0-187

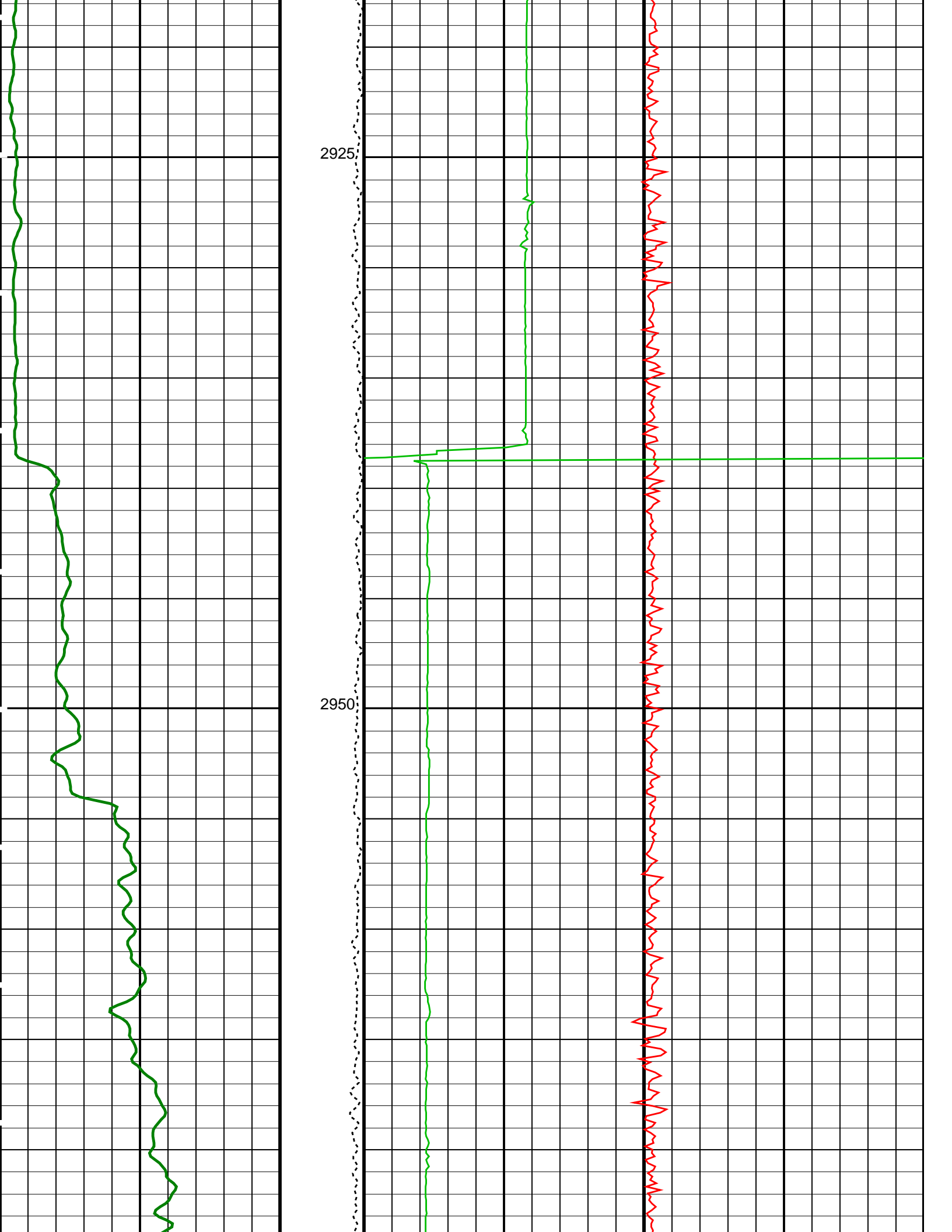
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
DTC-H	19C0-187		

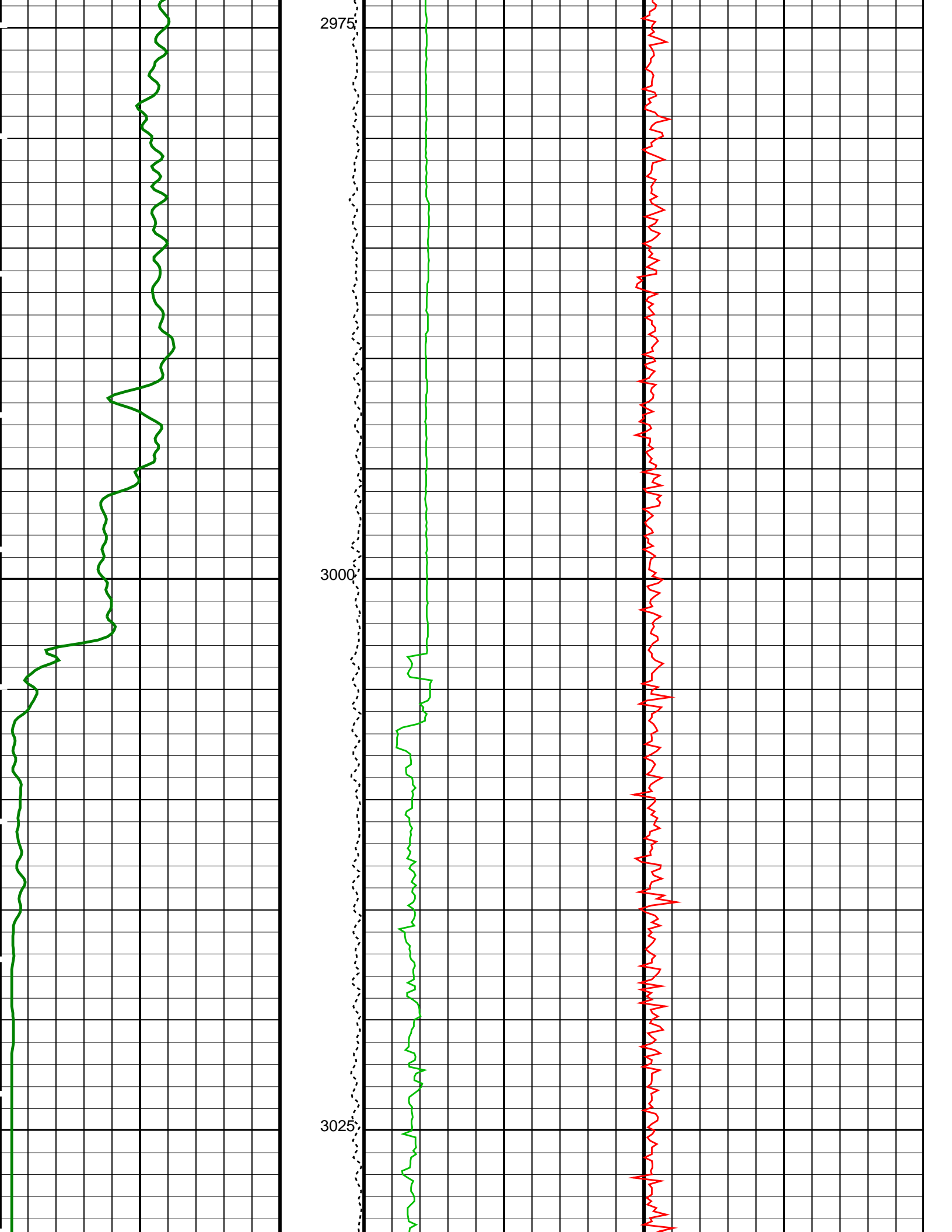
PIP SUMMARY

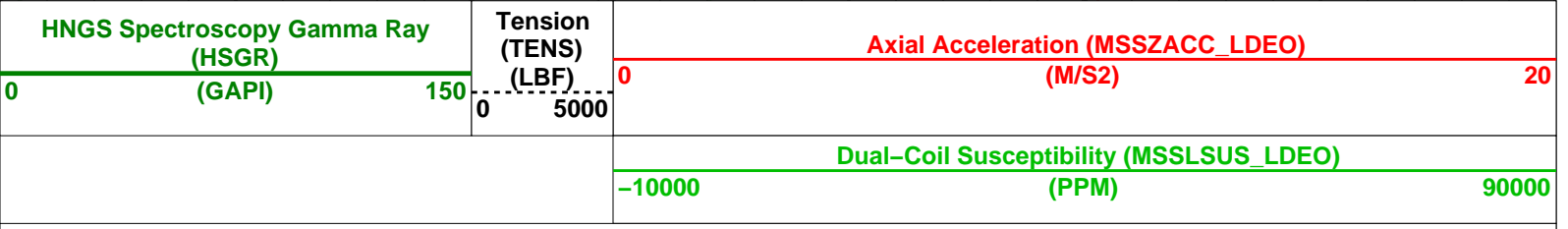
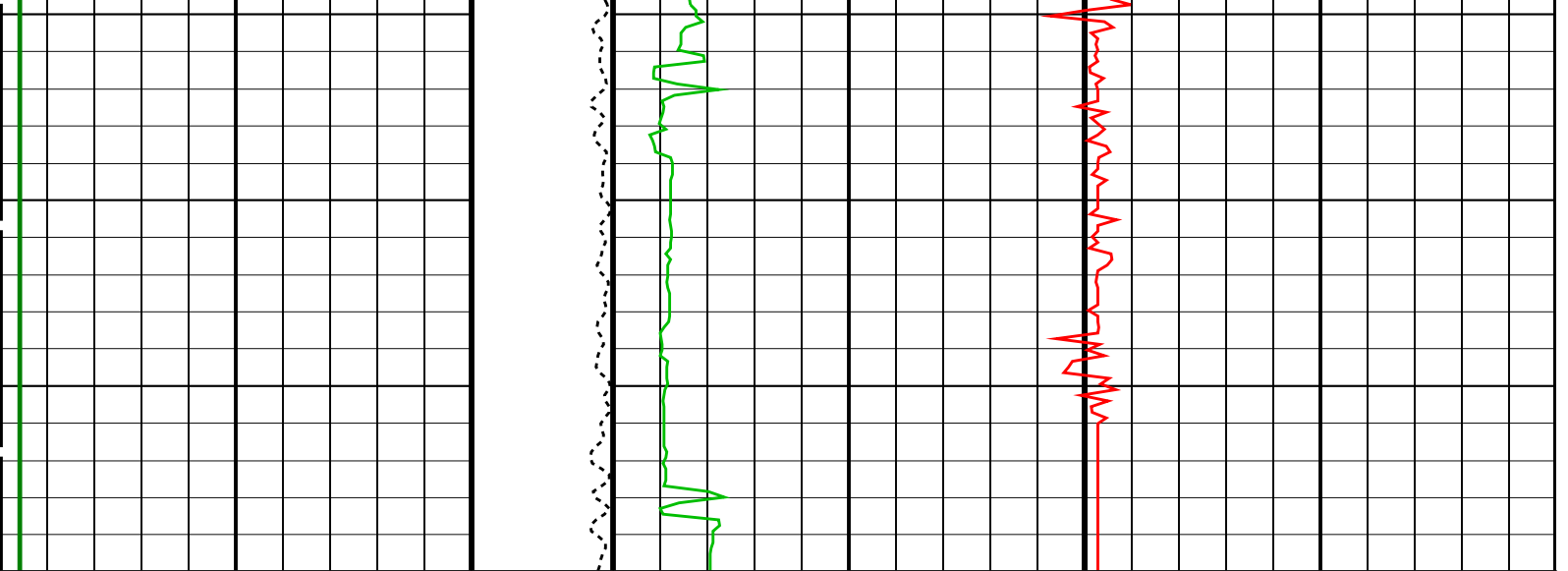
Time Mark Every 60 S











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	-0.00271942
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	0.958338
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970831
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: 29-Sep-2021 10:34

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



Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M01							
Before: 29-Sep-2021 7:54 After: 29-Sep-2021 12:57							
HRLT M0-M1 Voltage Plus – 0	0	N/A	-318.6	-318.5	0.05521	9.681	UV
HRLT M0-M1 Voltage Plus – 1	0	N/A	-329.8	-330.4	-0.5850	9.681	UV
HRLT M0-M1 Voltage Plus – 2	0	N/A	-337.2	-337.3	-0.08099	9.681	UV
HRLT M0-M1 Voltage Plus – 3	0	N/A	-328.0	-328.4	-0.3425	9.681	UV
HRLT M0-M1 Voltage Plus – 4	0	N/A	-319.8	-319.8	-0.03748	9.681	UV
HRLT M0-M1 Voltage Plus – 5	0	N/A	-321.5	-321.5	-0.09573	9.681	UV
HRLT M0-M1 Voltage Plus – 6	0	N/A	318.9	319.4	0.5217	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: 29-Sep-2021 7:54 After: 29-Sep-2021 12:57							
HRLT M1-M2 Voltage Plus – 0	0	N/A	1738	1738	-0.1355	53.42	UV
HRLT M1-M2 Voltage Plus – 1	0	N/A	1807	1810	3.183	53.42	UV
HRLT M1-M2 Voltage Plus – 2	0	N/A	1840	1840	0.5913	53.42	UV
HRLT M1-M2 Voltage Plus – 3	0	N/A	1788	1790	1.964	53.42	UV
HRLT M1-M2 Voltage Plus – 4	0	N/A	1742	1742	0.2966	53.42	UV
HRLT M1-M2 Voltage Plus – 5	0	N/A	1752	1752	0.5416	53.42	UV
HRLT M1-M2 Voltage Plus – 6	0	N/A	-1756	-1758	-2.235	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: 29-Sep-2021 7:54 After: 29-Sep-2021 12:57							
HRLT M2-M3 Voltage Plus – 0	0	N/A	1731	1730	-0.6948	53.42	UV
HRLT M2-M3 Voltage Plus – 1	0	N/A	1809	1812	2.274	53.42	UV
HRLT M2-M3 Voltage Plus – 2	0	N/A	1845	1844	-0.3018	53.42	UV
HRLT M2-M3 Voltage Plus – 3	0	N/A	1797	1798	1.087	53.42	UV
HRLT M2-M3 Voltage Plus – 4	0	N/A	1745	1744	-0.6985	53.42	UV
HRLT M2-M3 Voltage Plus – 5	0	N/A	1755	1756	0.09290	53.42	UV
HRLT M2-M3 Voltage Plus – 6	0	N/A	-1747	-1749	-1.751	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: 29-Sep-2021 7:54 After: 29-Sep-2021 12:57							
HRLT A3-A4 Voltage Plus – 0	0	N/A	68590	68610	15.05	2100	UV
HRLT A3-A4 Voltage Plus – 1	0	N/A	71550	71690	137.1	2100	UV
HRLT A3-A4 Voltage Plus – 2	0	N/A	73230	73270	38.62	2100	UV
HRLT A3-A4 Voltage Plus – 3	0	N/A	71590	71670	76.65	2100	UV
HRLT A3-A4 Voltage Plus – 4	0	N/A	69450	69480	29.41	2100	UV
HRLT A3-A4 Voltage Plus – 5	0	N/A	69900	69940	44.66	2100	UV
HRLT A3-A4 Voltage Plus – 6	0	N/A	-68110	-68220	-108.4	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: 29-Sep-2021 7:54 After: 29-Sep-2021 12:57							
HRLT A4-A5 Voltage Plus – 0	0	N/A	68690	68690	6.906	2100	UV
HRLT A4-A5 Voltage Plus – 1	0	N/A	71770	71900	124.4	2100	UV
HRLT A4-A5 Voltage Plus – 2	0	N/A	73420	73460	44.36	2100	UV
HRLT A4-A5 Voltage Plus – 3	0	N/A	71730	71820	92.59	2100	UV
HRLT A4-A5 Voltage Plus – 4	0	N/A	69570	69590	21.39	2100	UV
HRLT A4-A5 Voltage Plus – 5	0	N/A	70000	70040	40.78	2100	UV
HRLT A4-A5 Voltage Plus – 6	0	N/A	-68310	-68420	-113.5	2100	UV

A4-A5 Voltage Plus	0	N/A	70000	70000	0	2100	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT V56							
Before: 29-Sep-2021 7:54 After: 29-Sep-2021 12:57							
HRLT A5-A6 Voltage Plus – 0	0	N/A	68540	68540	-6.898	2100	UV
HRLT A5-A6 Voltage Plus – 1	0	N/A	71600	71750	146.3	2100	UV
HRLT A5-A6 Voltage Plus – 2	0	N/A	73260	73280	21.36	2100	UV
HRLT A5-A6 Voltage Plus – 3	0	N/A	71600	71670	78.94	2100	UV
HRLT A5-A6 Voltage Plus – 4	0	N/A	69440	69450	8.688	2100	UV
HRLT A5-A6 Voltage Plus – 5	0	N/A	69860	69900	43.36	2100	UV
HRLT A5-A6 Voltage Plus – 6	0	N/A	-68150	-68270	-113.5	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: 29-Sep-2021 7:54 After: 29-Sep-2021 12:57							
HRLT Torpedo-M0 Voltage – 0	0	N/A	-68070	-68070	0.6016	2100	UV
HRLT Torpedo-M0 Voltage – 1	0	N/A	-71400	-71540	-137.3	2100	UV
HRLT Torpedo-M0 Voltage – 2	0	N/A	-73100	-73120	-19.55	2100	UV
HRLT Torpedo-M0 Voltage – 3	0	N/A	-71500	-71590	-83.19	2100	UV
HRLT Torpedo-M0 Voltage – 4	0	N/A	-69390	-69410	-14.04	2100	UV
HRLT Torpedo-M0 Voltage – 5	0	N/A	-69830	-69860	-33.99	2100	UV
HRLT Torpedo-M0 Voltage – 6	0	N/A	67910	68010	98.13	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: 29-Sep-2021 7:54 After: 29-Sep-2021 12:57							
HRLT Bridle#9-M0 Voltage – 0	0	N/A	-68110	-68120	-7.195	2100	UV
HRLT Bridle#9-M0 Voltage – 1	0	N/A	-71500	-71640	-132.1	2100	UV
HRLT Bridle#9-M0 Voltage – 2	0	N/A	-73190	-73220	-29.73	2100	UV
HRLT Bridle#9-M0 Voltage – 3	0	N/A	-71580	-71660	-80.29	2100	UV
HRLT Bridle#9-M0 Voltage – 4	0	N/A	-69440	-69460	-22.97	2100	UV
HRLT Bridle#9-M0 Voltage – 5	0	N/A	-69870	-69900	-30.91	2100	UV
HRLT Bridle#9-M0 Voltage – 6	0	N/A	67990	68110	120.4	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: 29-Sep-2021 7:54 After: 29-Sep-2021 12:57							
HRLT Source Current Plus – 0	0	N/A	284.1	284.2	0.08139	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: 29-Sep-2021 7:54 After: 29-Sep-2021 12:57							
HRLT Vertical Voltage PI – 0	0	N/A	-320.5	-320.3	0.2527	9.681	UV
HRLT Vertical Voltage PI – 1	0	N/A	-324.9	-325.2	-0.3079	9.681	UV
HRLT Vertical Voltage PI – 2	0	N/A	-330.8	-330.6	0.1666	9.681	UV
HRLT Vertical Voltage PI – 3	0	N/A	-320.1	-320.1	-0.07672	9.681	UV
HRLT Vertical Voltage PI – 4	0	N/A	-309.0	-308.8	0.1581	9.681	UV
HRLT Vertical Voltage PI – 5	0	N/A	-325.6	-325.4	0.1862	9.681	UV
HRLT Vertical Voltage PI – 6	0	N/A	326.7	326.9	0.2283	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: 29-Sep-2021 7:57 After: 29-Sep-2021 13:01							
SS Cs Resolution Bkg	9.000	7.698	7.699	7.663	-0.03563	1.800	%
LS Cs Resolution Bkg	9.000	7.989	7.967	7.995	0.02742	1.800	%
LSW1 Background	100.0	71.96	70.62	70.34	-0.2751	3.000	CPS
LSW2 Background	100.0	65.02	63.16	64.65	1.493	3.000	CPS
LSW3 Background	200.0	146.1	145.4	146.3	0.8489	6.000	CPS
LSW4 Background	250.0	183.2	180.9	179.3	-1.521	7.500	CPS
LSW5 Background	600.0	424.9	420.4	421.2	0.8518	18.00	CPS
SSW1 Background	100.0	68.97	68.73	68.35	-0.3786	3.000	CPS
SSW2 Background	200.0	118.2	116.5	116.7	0.2213	6.000	CPS
SSW3 Background	500.0	331.3	328.6	326.4	-2.149	15.00	CPS
SSW4 Background	270.0	178.4	177.0	176.6	-0.4396	8.100	CPS
SSW5 Background	200.0	127.4	126.0	127.8	1.797	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

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: 29-Sep-2021 7:58 After: 29-Sep-2021 13:01

Na 511 Peak Loc	40.00	39.25	39.63	39.75	0.1101	1.000	
Na 511 Peak Res	15.50	16.53	15.54	14.52	-1.025	2.000	%
High Voltage	1150	1197	1177	1170	-7.449	N/A	V
Na 1785 Peak Loc	142.6	141.8	143.9	142.5	-1.400	7.000	
Na 1785 Peak Res	8.500	8.905	8.301	8.326	0.02518	2.000	%
Temperature	15.50	26.59	12.68	12.54	-0.1314	N/A	DEGC
Na Count Rate	45.00	12.01	10.35	11.07	0.7134	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: Calibration out of date 2-May-2021 10:04 Before: 29-Sep-2021 7:58 After: 29-Sep-2021 13:01

Na 511 Peak Loc	40.00	39.88	39.68	39.62	-0.05562	1.000	
Na 511 Peak Res	15.50	15.29	16.81	14.80	-2.011	2.000	%
High Voltage	1150	1122	1098	1094	-3.807	N/A	V
Na 1785 Peak Loc	142.6	142.6	143.5	141.3	-2.258	7.000	
Na 1785 Peak Res	8.500	8.040	8.635	9.324	0.6886	2.000	%
Temperature	15.50	27.21	13.36	14.33	0.9698	N/A	DEGC
Na Count Rate	45.00	12.32	10.16	11.35	1.198	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: 29-Sep-2021 7:58 After: 29-Sep-2021 13:01

Coincidence Count Rate Ratio	1.000	0.9728	1.015	0.9870	-0.02823	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		-318.5			
1	Before		-329.8	-322.7	-280.7	-379.7
	After		-330.4			
2	Before		-337.2	-322.7	-280.7	-379.7
	After		-337.3			
3	Before		-328.0	-322.7	-280.7	-379.7
	After		-328.4			
	Before		-319.8			

	After		-319.8	-322.7	-280.7	-379.7
5	Before		-321.5	-322.7	-280.7	-379.7
	After		-321.5			
6	Before		318.9	322.7	379.7	280.7
	After		319.4			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
(Minimum) (Nominal) (Maximum)						

Before: 29-Sep-2021 7:54
After: 29-Sep-2021 12:57

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		1738			
1	Before		1807	1781	2095	1549
	After		1810			
2	Before		1840	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		-1756	-1781	-1549	-2095
	After		-1758			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						

Before: 29-Sep-2021 7:54
After: 29-Sep-2021 12:57

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		1730			
1	Before		1809	1781	2095	1549
	After		1812			
2	Before		1845	1781	2095	1549
	After		1844			
3	Before		1797	1781	2095	1549
	After		1798			
4	Before		1745	1781	2095	1549
	After		1744			
	Before		1755			

5	After		1756	1781	2095	1549
6	Before		-1747	-1781	-1549	-2095
	After		-1749	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
	After		1781	1781	2095	1549
(Minimum) (Nominal) (Maximum)						
Before: 29-Sep-2021 7:54						
After: 29-Sep-2021 12:57						

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		68610	70000	82360	60900
1	Before		71550	70000	82360	60900
	After		71690	70000	82360	60900
2	Before		73230	70000	82360	60900
	After		73270	70000	82360	60900
3	Before		71590	70000	82360	60900
	After		71670	70000	82360	60900
4	Before		69450	70000	82360	60900
	After		69480	70000	82360	60900
5	Before		69900	70000	82360	60900
	After		69940	70000	82360	60900
6	Before		-68110	-70000	-60900	-82360
	After		-68220	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
	After		70000	70000	82360	60900
(Minimum) (Nominal) (Maximum)						
Before: 29-Sep-2021 7:54						
After: 29-Sep-2021 12:57						

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		68690	70000	82360	60900
1	Before		71770	70000	82360	60900
	After		71900	70000	82360	60900
2	Before		73420	70000	82360	60900
	After		73460	70000	82360	60900
3	Before		71730	70000	82360	60900
	After		71820	70000	82360	60900
4	Before		69570	70000	82360	60900
	After		69590	70000	82360	60900
5	Before		70000	70000	82360	60900
	After		70040	70000	82360	60900
6	Before		-68310	-70000	-60900	-82360

6	After		-68420	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
	After		70000			
(Minimum) (Nominal) (Maximum)						
Before: 29-Sep-2021 7:54						
After: 29-Sep-2021 12:57						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5–A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68540	70000	82360	60900
	After		68540			
1	Before		71600	70000	82360	60900
	After		71750			
2	Before		73260	70000	82360	60900
	After		73280			
3	Before		71600	70000	82360	60900
	After		71670			
4	Before		69440	70000	82360	60900
	After		69450			
5	Before		69860	70000	82360	60900
	After		69900			
6	Before		-68150	-70000	-60900	-82360
	After		-68270			
7	Before		70000	70000	82360	60900
	After		70000			
(Minimum) (Nominal) (Maximum)						
Before: 29-Sep-2021 7:54						
After: 29-Sep-2021 12:57						

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		-68070			
1	Before		-71400	-70000	-60900	-82360
	After		-71540			
2	Before		-73100	-70000	-60900	-82360
	After		-73120			
3	Before		-71500	-70000	-60900	-82360
	After		-71590			
4	Before		-69390	-70000	-60900	-82360
	After		-69410			
5	Before		-69830	-70000	-60900	-82360
	After		-69860			
6	Before		67910	70000	82360	60900
	After		68010			
7	Before		-70000			

7	After		-70000	-70000	-60900	-82360
			(Minimum)	(Nominal)	(Maximum)	

Before: 29-Sep-2021 7:54
 After: 29-Sep-2021 12:57

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		-68120				
1	Before		-71500	-70000	-60900	-82360	
	After		-71640				
2	Before		-73190	-70000	-60900	-82360	
	After		-73220				
3	Before		-71580	-70000	-60900	-82360	
	After		-71660				
4	Before		-69440	-70000	-60900	-82360	
	After		-69460				
5	Before		-69870	-70000	-60900	-82360	
	After		-69900				
6	Before		67990	70000	82360	60900	
	After		68110				
7	Before		-70000	-70000	-60900	-82360	
	After		-70000				
			(Minimum)	(Nominal)	(Maximum)		

Before: 29-Sep-2021 7:54
 After: 29-Sep-2021 12:57

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		284.2				
1	Before		281.1	281.1	330.7	244.4	
	After		281.1				
2	Before		281.1	281.1	330.7	244.4	
	After		281.1				
3	Before		281.1	281.1	330.7	244.4	
	After		281.1				
4	Before		281.1	281.1	330.7	244.4	
	After		281.1				
5	Before		281.1	281.1	330.7	244.4	
	After		281.1				
6	Before		281.1	281.1	330.7	244.4	
	After		281.1				
7	Before		281.1	281.1	330.7	244.4	
	After		281.1				
			(Minimum)	(Nominal)	(Maximum)		

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.5	-322.7	-280.7	-379.7
	After		-320.3			
1	Before		-324.9	-322.7	-280.7	-379.7
	After		-325.2			
2	Before		-330.8	-322.7	-280.7	-379.7
	After		-330.6			
3	Before		-320.1	-322.7	-280.7	-379.7
	After		-320.1			
4	Before		-309.0	-322.7	-280.7	-379.7
	After		-308.8			
5	Before		-325.6	-322.7	-280.7	-379.7
	After		-325.4			
6	Before		326.7	322.7	379.7	280.7
	After		326.9			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
		(Minimum) (Nominal) (Maximum)				

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		7.699	Before		7.967	Before		70.62		
After		7.663	After		7.995	After		70.34		
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		63.16	Before		145.4	Before		180.9		
After		64.65	After		146.3	After		179.3		
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		420.4	Before		68.73	Before		116.5		

Before		421.2	Before		68.35	Before		116.7
	330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)	
Phase	SSW3 Background CPS	Value	Phase	SSW4 Background CPS	Value	Phase	SSW5 Background CPS	Value
Master		331.3	Master		178.4	Master		127.4
Before		328.6	Before		177.0	Before		126.0
After		326.4	After		176.6	After		127.8
	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: 29-Sep-2021 7:57			After: 29-Sep-2021 13:01		

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		15.54	Before		1177
After		39.75	After		14.52	After		1170
	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		143.9	Before		8.301	Before		12.68
After		142.5	After		8.326	After		12.54
	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		10.35						
After		11.07						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: Calibration out of date 2-May-2021 10:04			Before: 29-Sep-2021 7:58			After: 29-Sep-2021 13:01		

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		39.68	Before		16.81	Before		1098	
After		39.62	After		14.80	After		1094	
	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		143.5	Before		8.635	Before		13.36	
After		141.3	After		9.324	After		14.33	
	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		10.16							
After		11.35							
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)						
Master: Calibration out of date 2-May-2021 10:04			Before: 29-Sep-2021 7:58			After: 29-Sep-2021 13:01			

Hostile Natural Gamma Ray Sonde Wellsite Calibration			
Ratio Of Detector 1 To Detector 2			
Phase	Coincidence Count Rate Ratio	Value	
Master		0.9728	
Before		1.015	
After		0.9870	
	0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: Calibration out of date 2-May-2021 10:04			
Before: 29-Sep-2021 7:58			
After: 29-Sep-2021 13:01			

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



Well: Expedition 396, Site U1574A

Field: Mid-Norwegian Cont. Margin Magmatism

Rig: JOIDES Resolution

Country: Iceland

High Resolution Laterolog (HRLA)

Litho Density (HLDS)

Natural Gamma / MSS (HNGS)