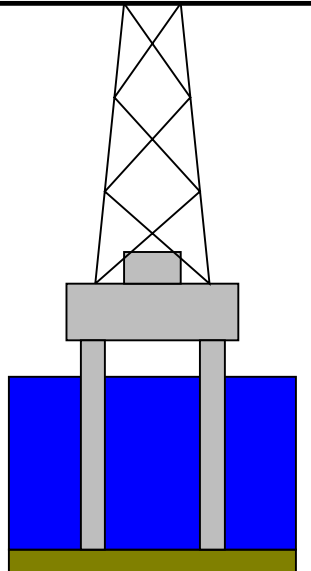
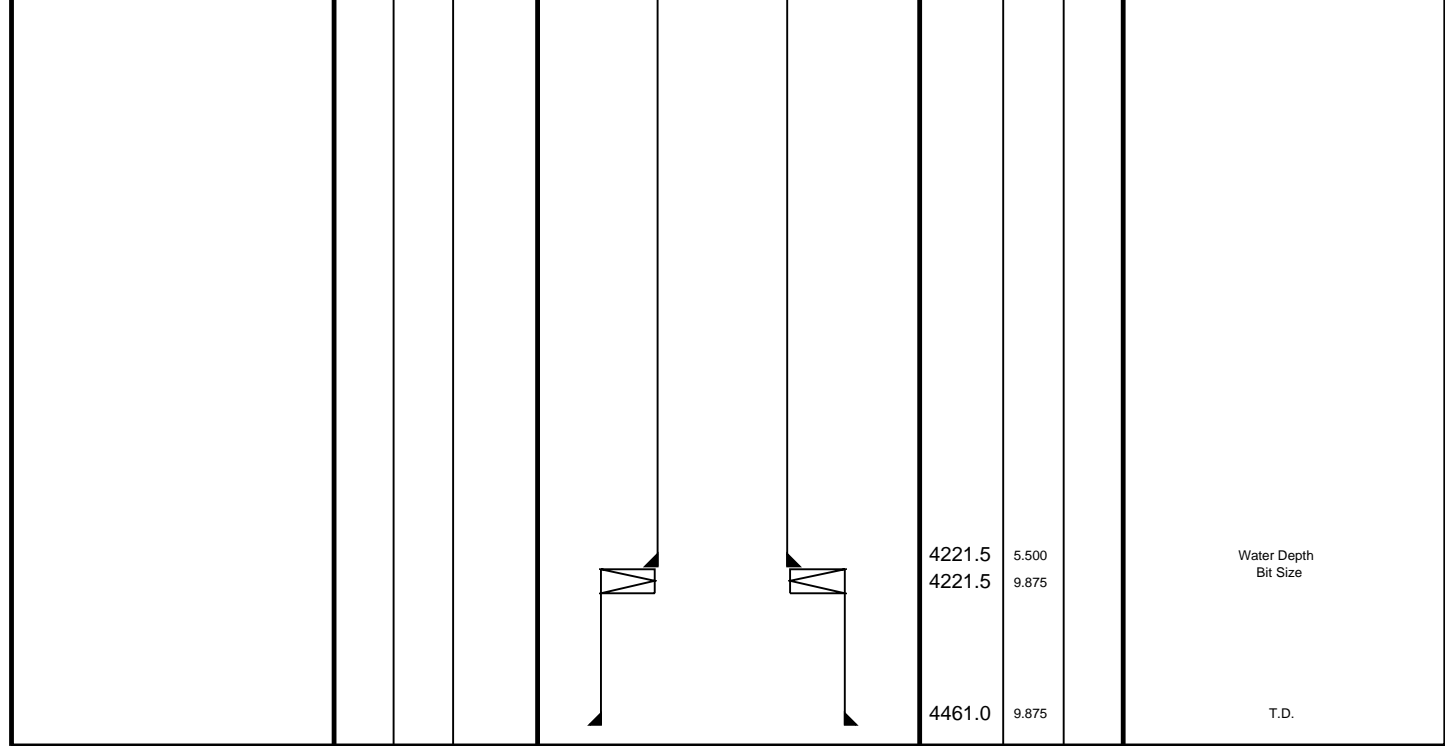


MAXIMUM STRING DIAMETER 3.75 IN
 MEASUREMENTS RELATIVE TO TOOL ZERO
 ALL LENGTHS IN METERS

Production String	<div style="display: flex; justify-content: space-around;"> (in) (ft) </div> <div style="display: flex; justify-content: space-around;"> OD ID MD </div>	Well Schematic	<div style="display: flex; justify-content: space-around;"> (ft) (in) </div> <div style="display: flex; justify-content: space-around;"> MD OD ID </div>	Casing String
<p>Kelly Bushing Elevation</p> <p>Derrick Floor Elevation</p> <p>Mean Sea Level</p>	<p>11.0</p> <p>0.0</p>	 <p>The diagram shows a wellhead with a derrick structure above it. A grey rectangular block represents the derrick floor, which is 11.0 feet above the mean sea level. Below the derrick floor, a vertical pipe (the drill pipe) extends down into a blue liquid-filled well. The well is situated in a brownish ground layer. The drill pipe is labeled as 5.500 inches in diameter.</p>	<p>0.0</p> <p>5.500</p>	<p>Drill Pipe</p>



Downlog

MAXIS Field Log

Company: International Ocean Discovery Program Well: Expedition 393, Site U1583F

Input DLIS Files

DEFAULT	Flip_HRLA_LDL_APS_038LUP	PRODUCER	25-Jul-2022 01:23	4423.9 M	4151.4 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_039PUP	FN:33	PRODUCER	25-Jul-2022 01:25	4423.9 M	4151.4 M
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OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

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

Area1
From HCGR to HSGR

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

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

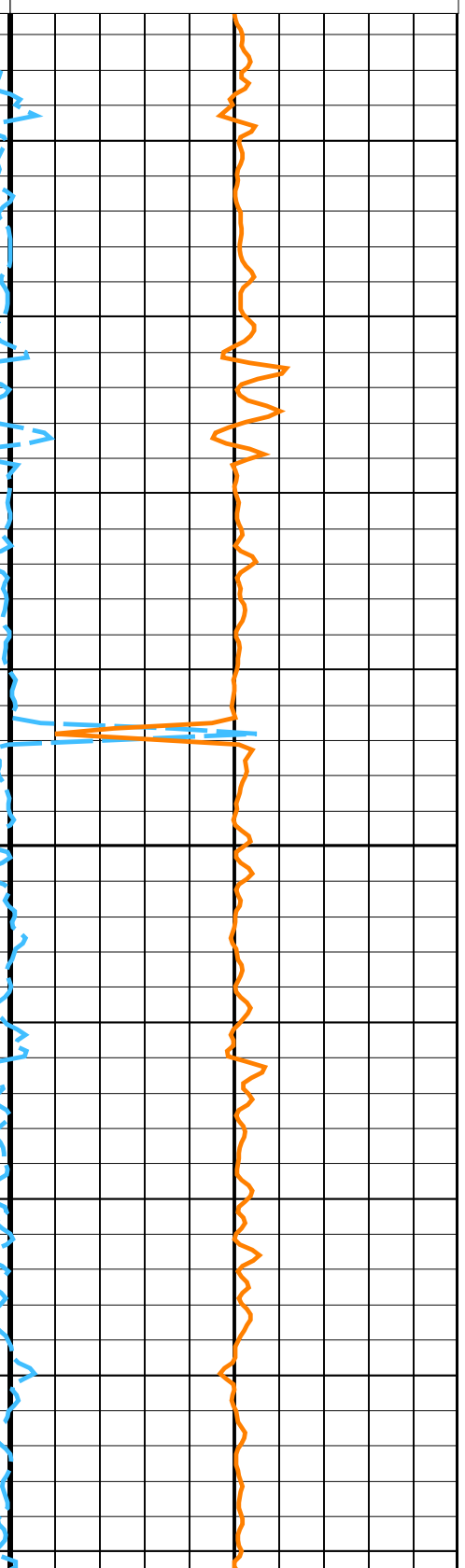
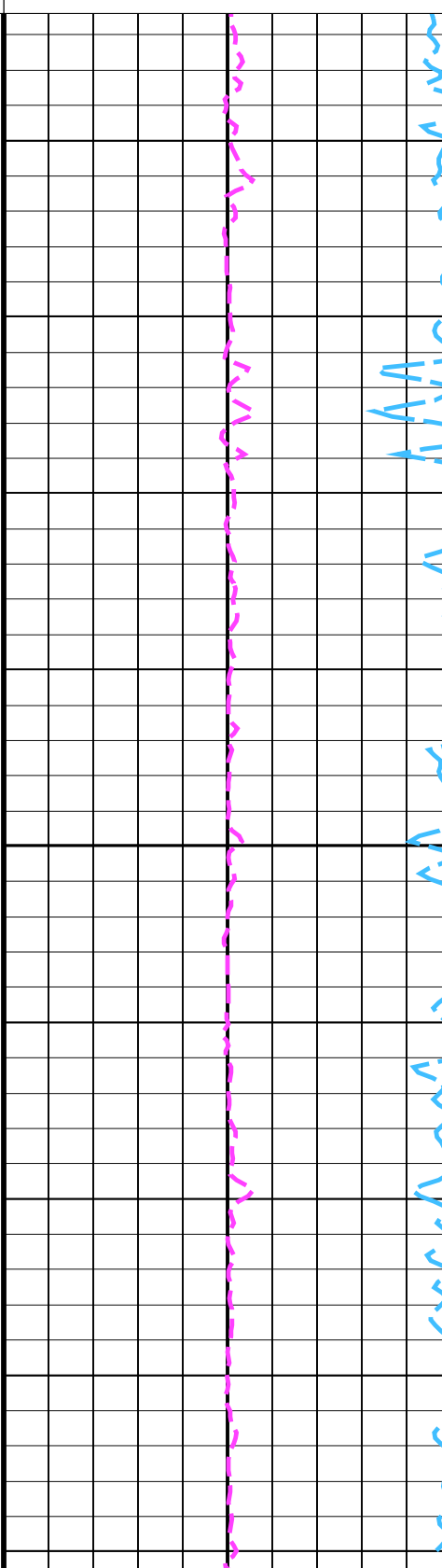
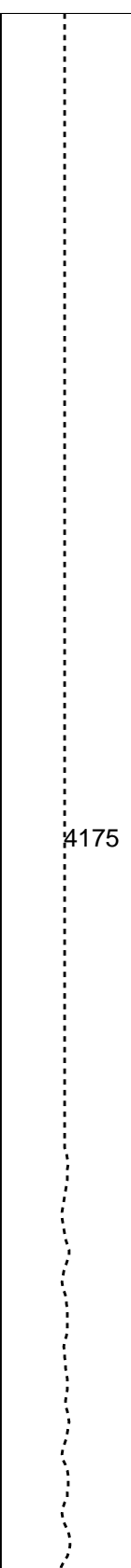
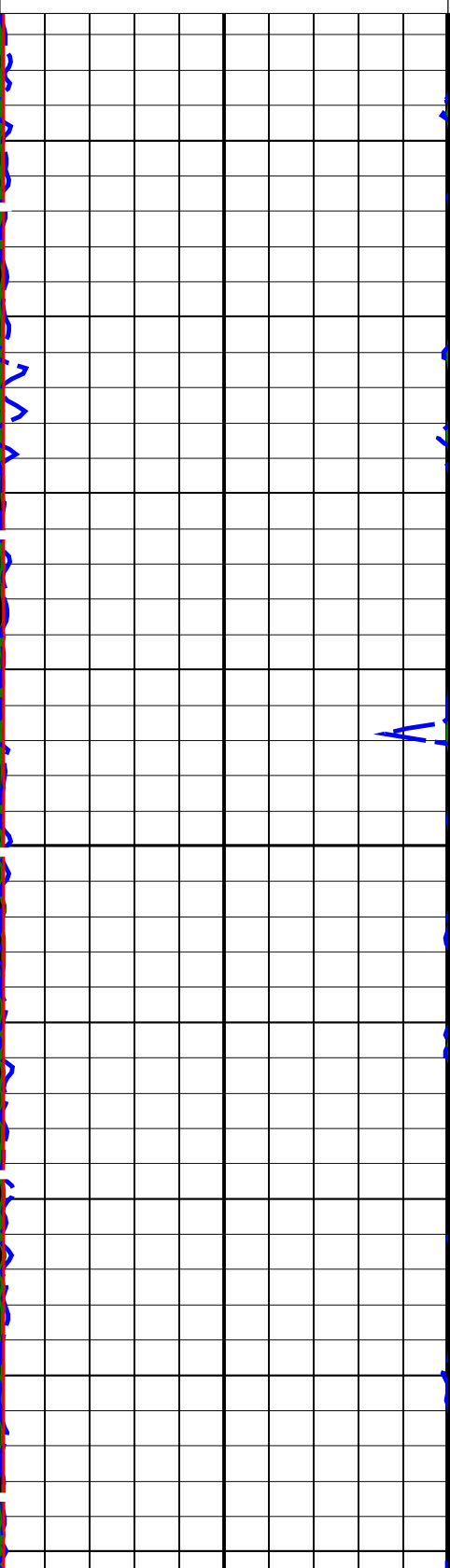
HNGS Uranium (HURA)
-5 (PPM) 5

HLDS Caliper (LCAL)
(IN) 0 20

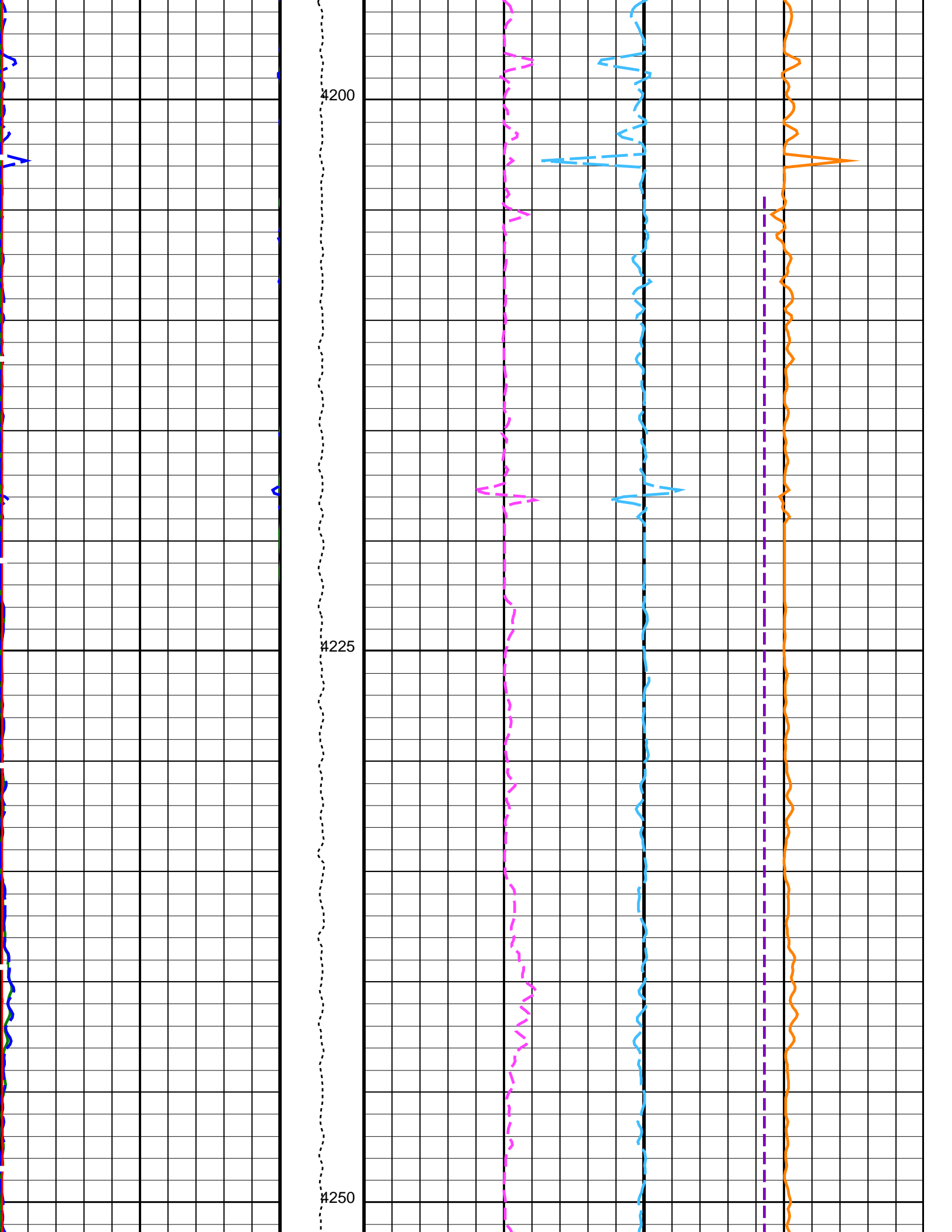
Tension (TENS) (LBF) 10000 0

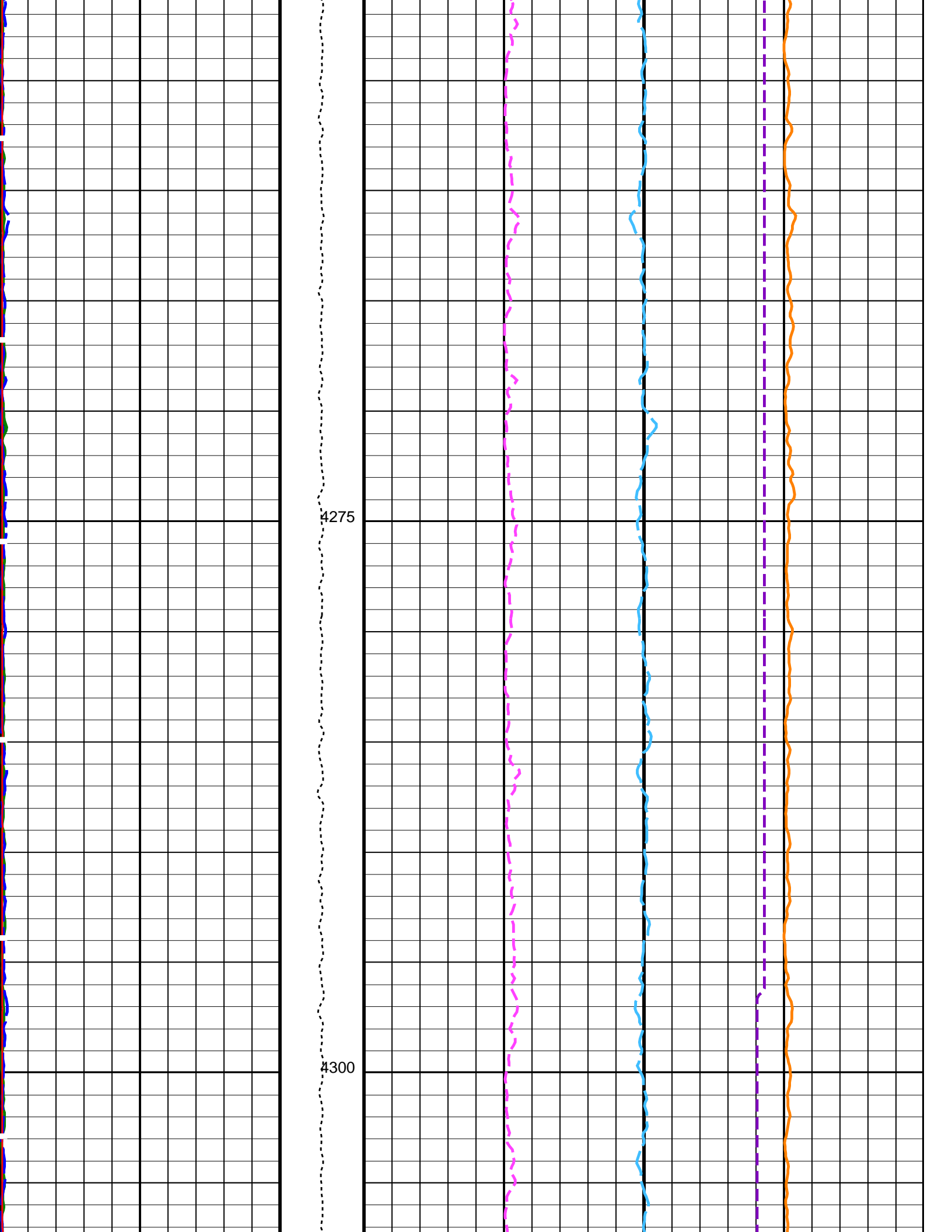
HNGS Thorium (HTHO)
-5 (PPM) 5

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



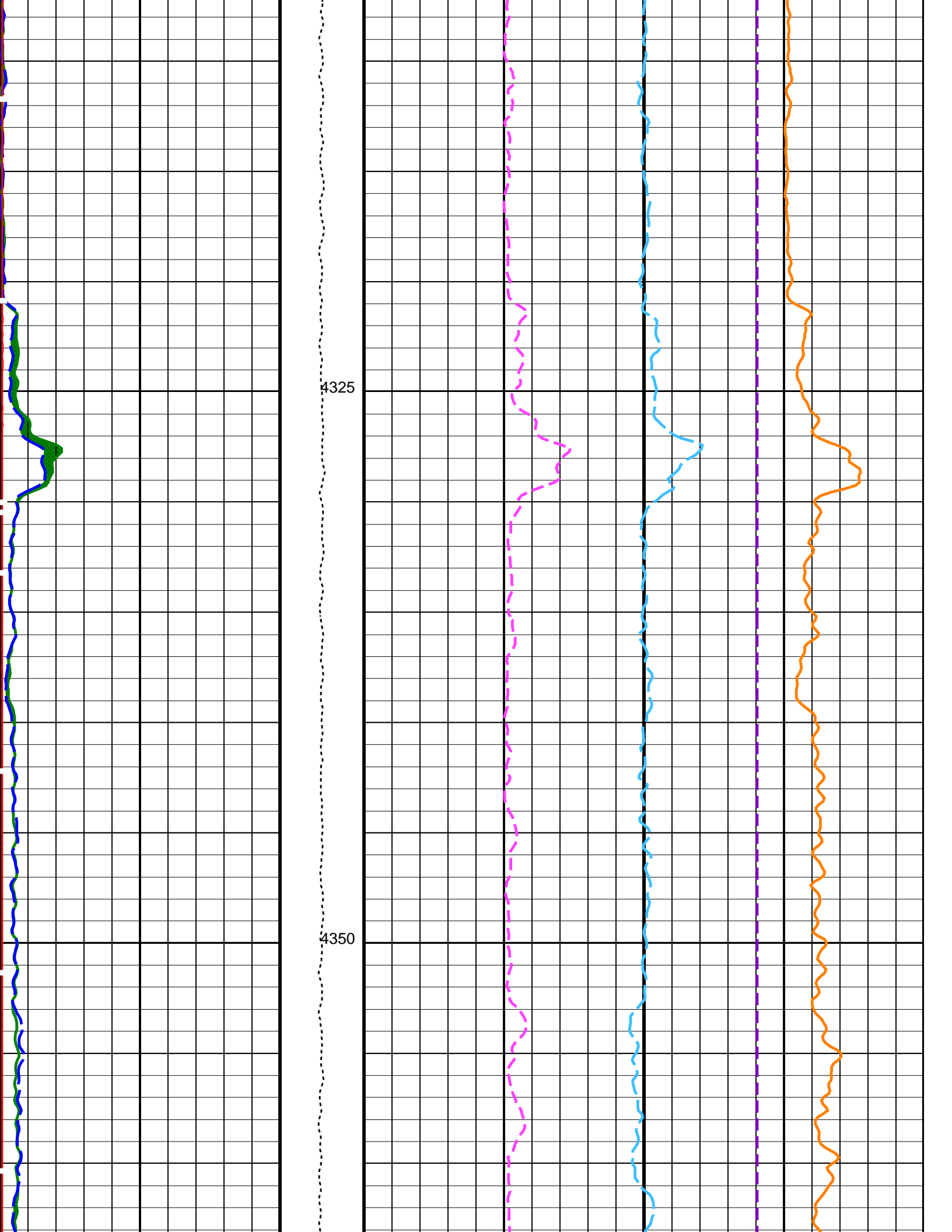
4175

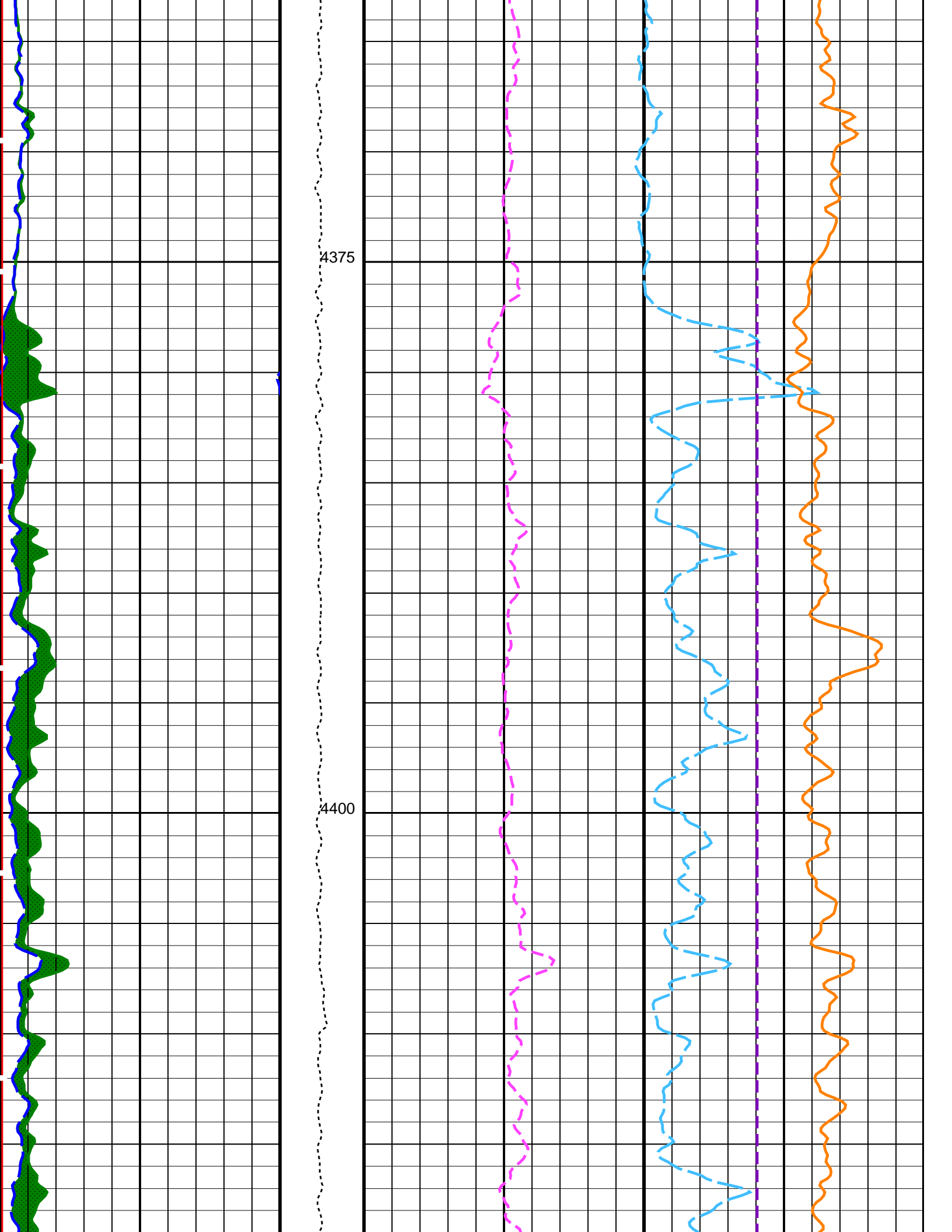


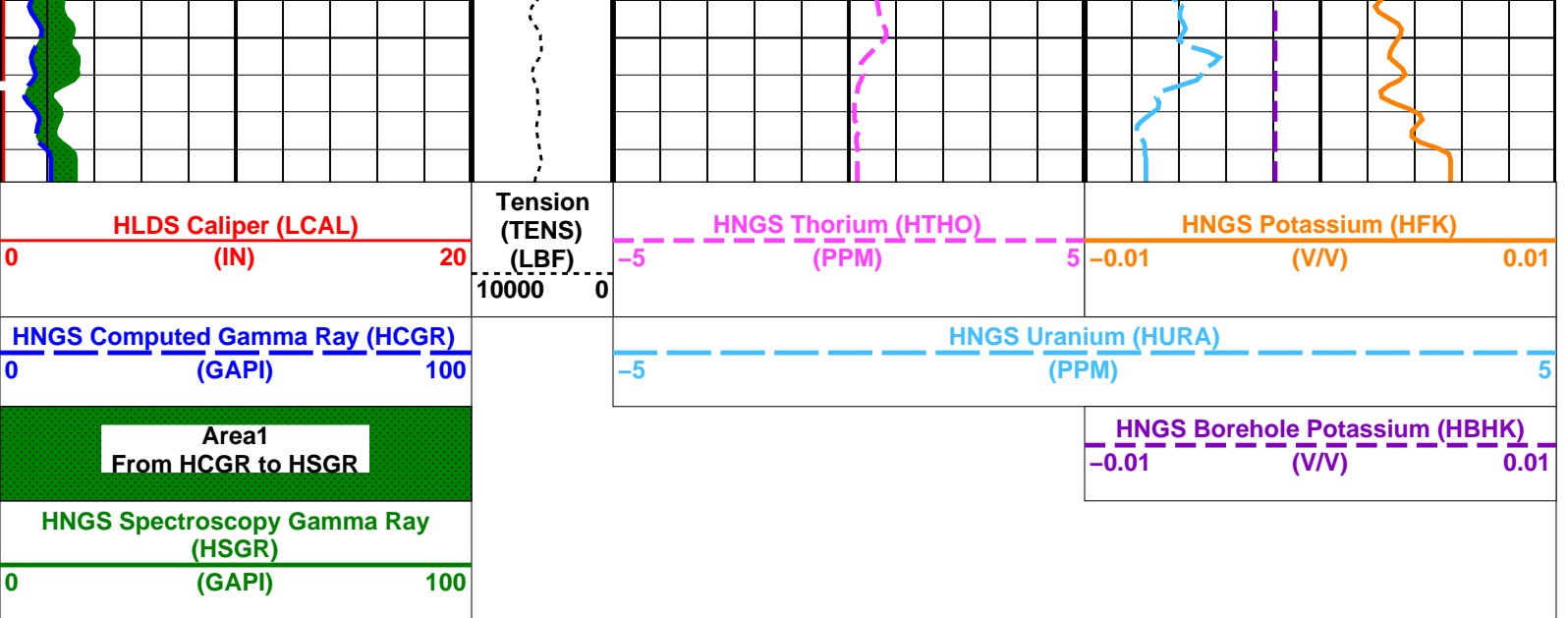


4275

4300







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	BS	
BHS	APS-C: Accelerator-Porosity Tool		
GCSE	Borehole Status	OPEN	
	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	-0.00124408	
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	20.2456	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	19.4799	
BHS	EDTC-B: Enhanced DTS Cartridge		
GCSE	Borehole Status	OPEN	
	Generalized Caliper Selection	BS	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 25-Jul-2022 01:25

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

Output DLIS Files

Company: International Ocean Discovery Program Well: Expedition 393, Site U1583F

Input DLIS Files

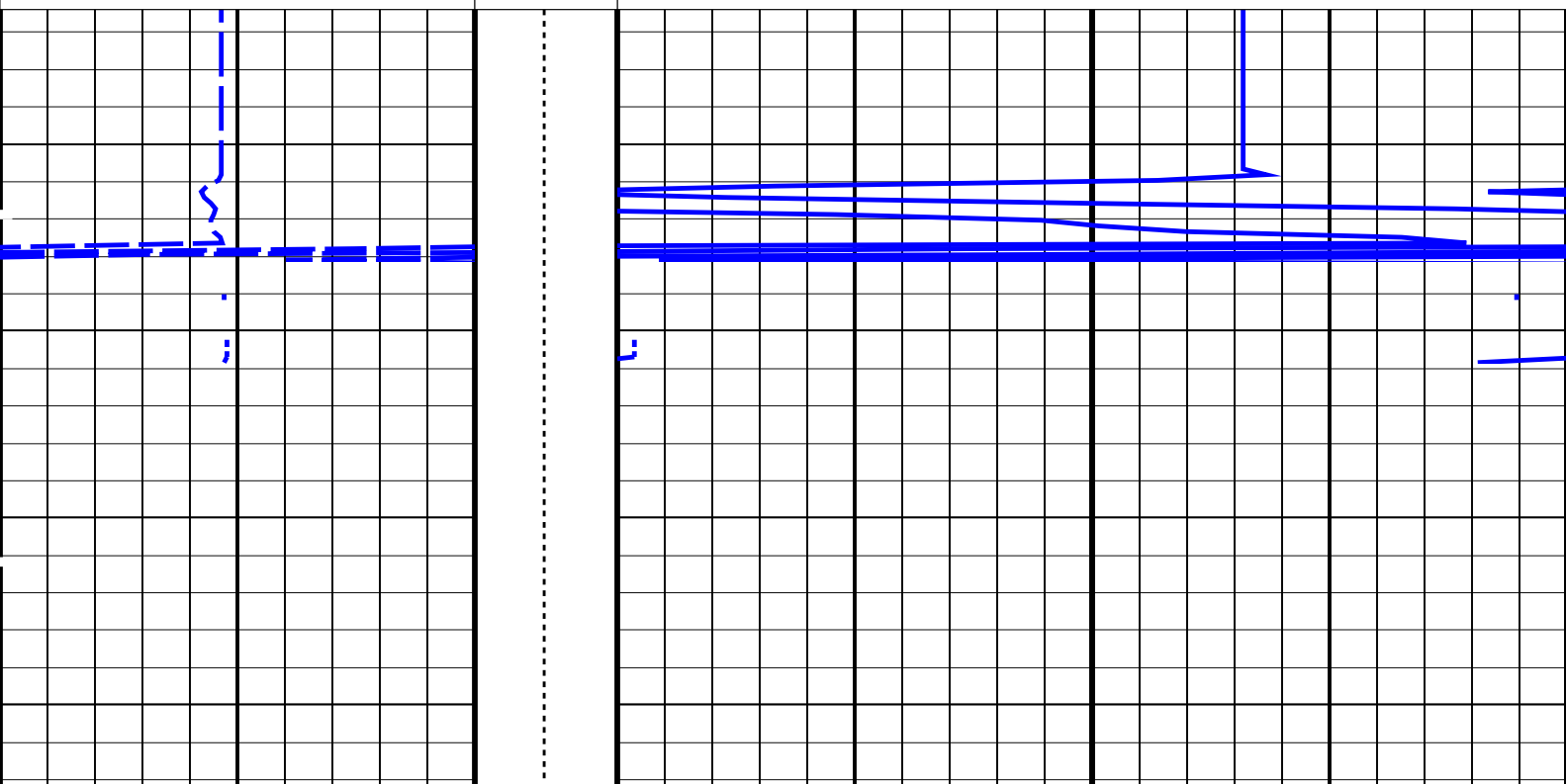
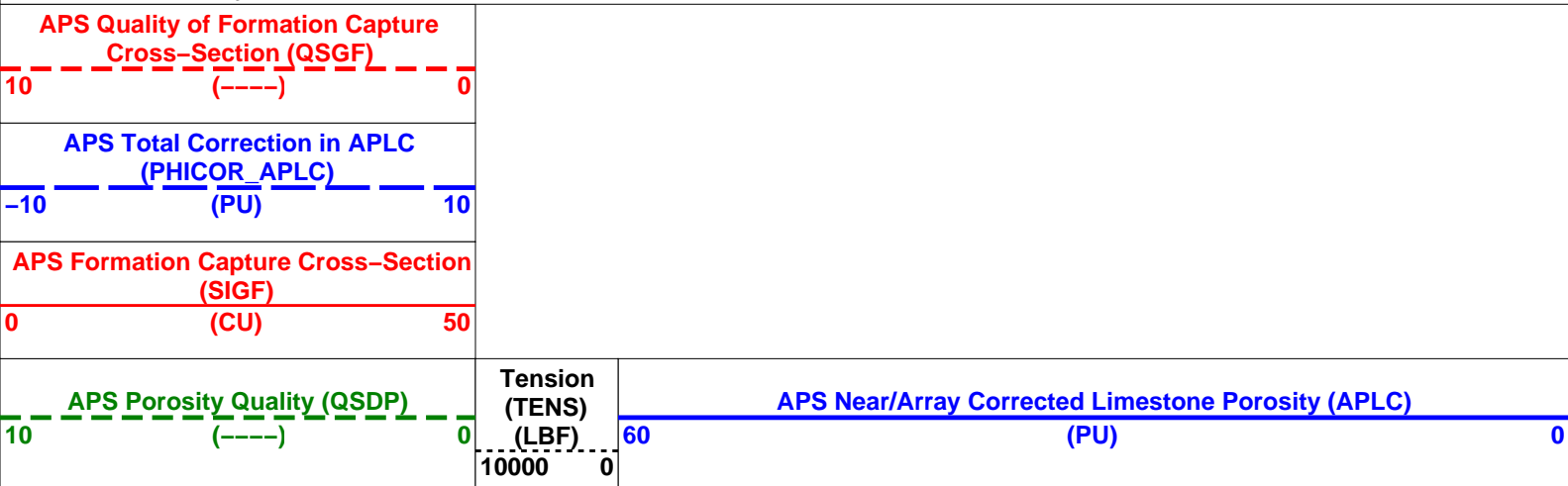
Output DLIS Files

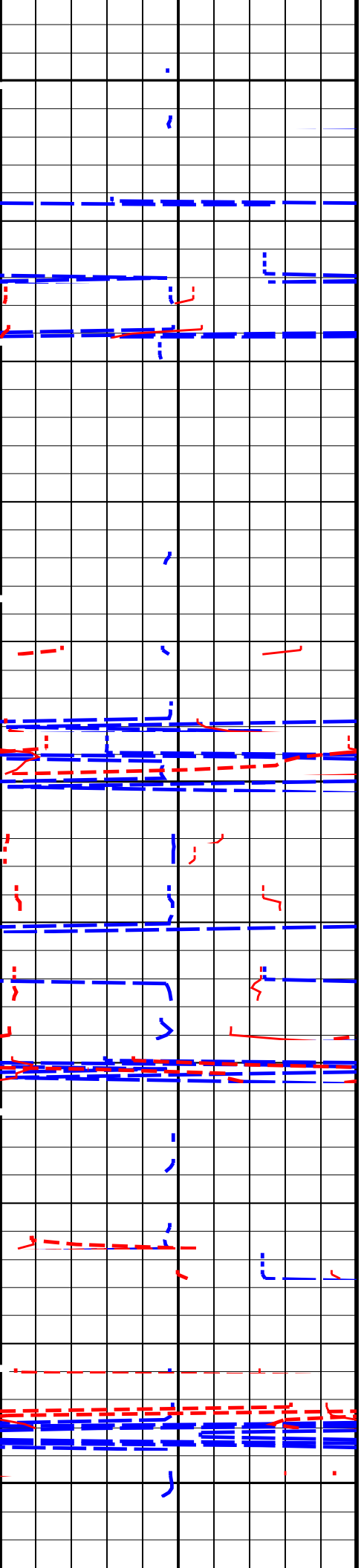
OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S

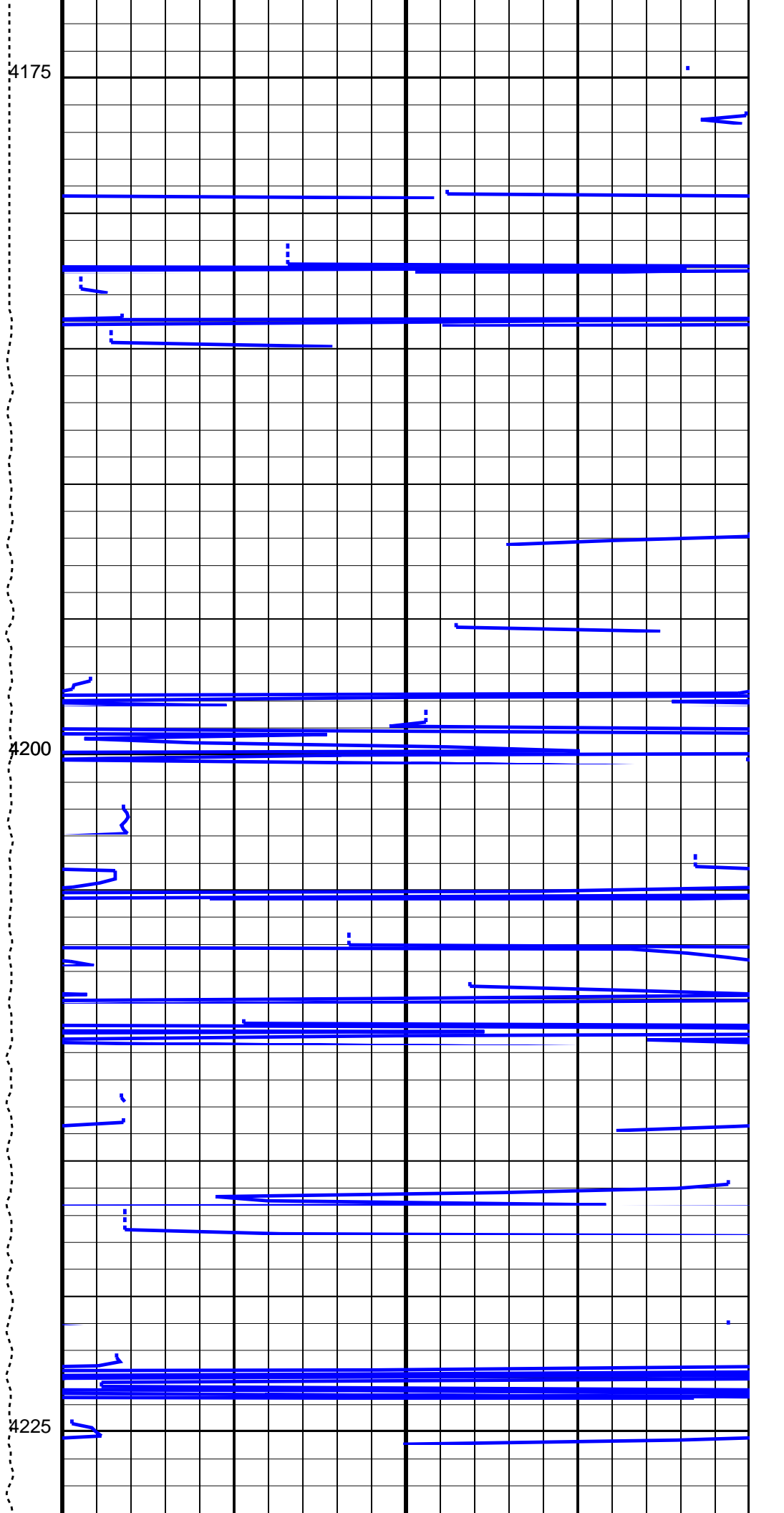


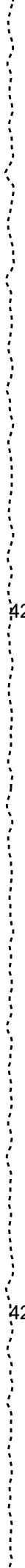
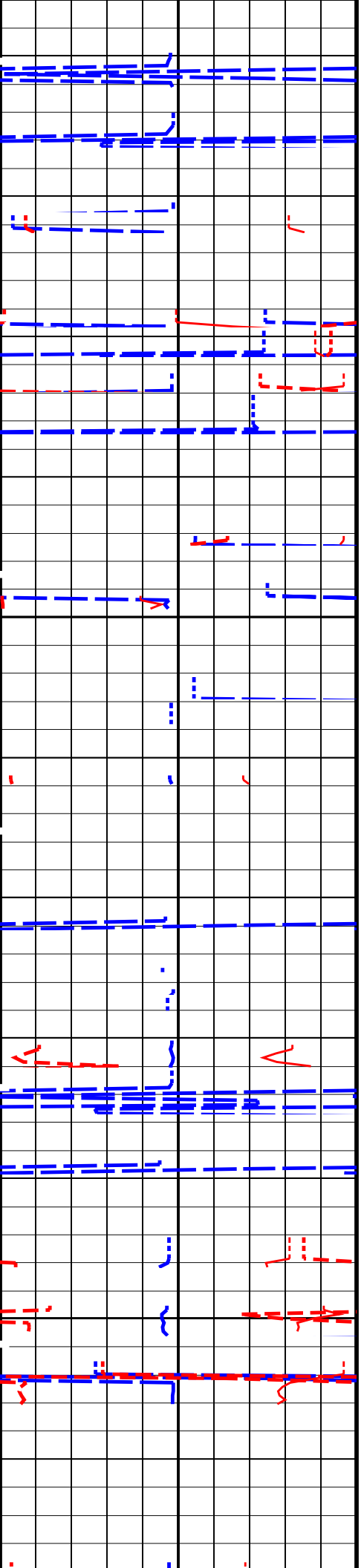


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4200

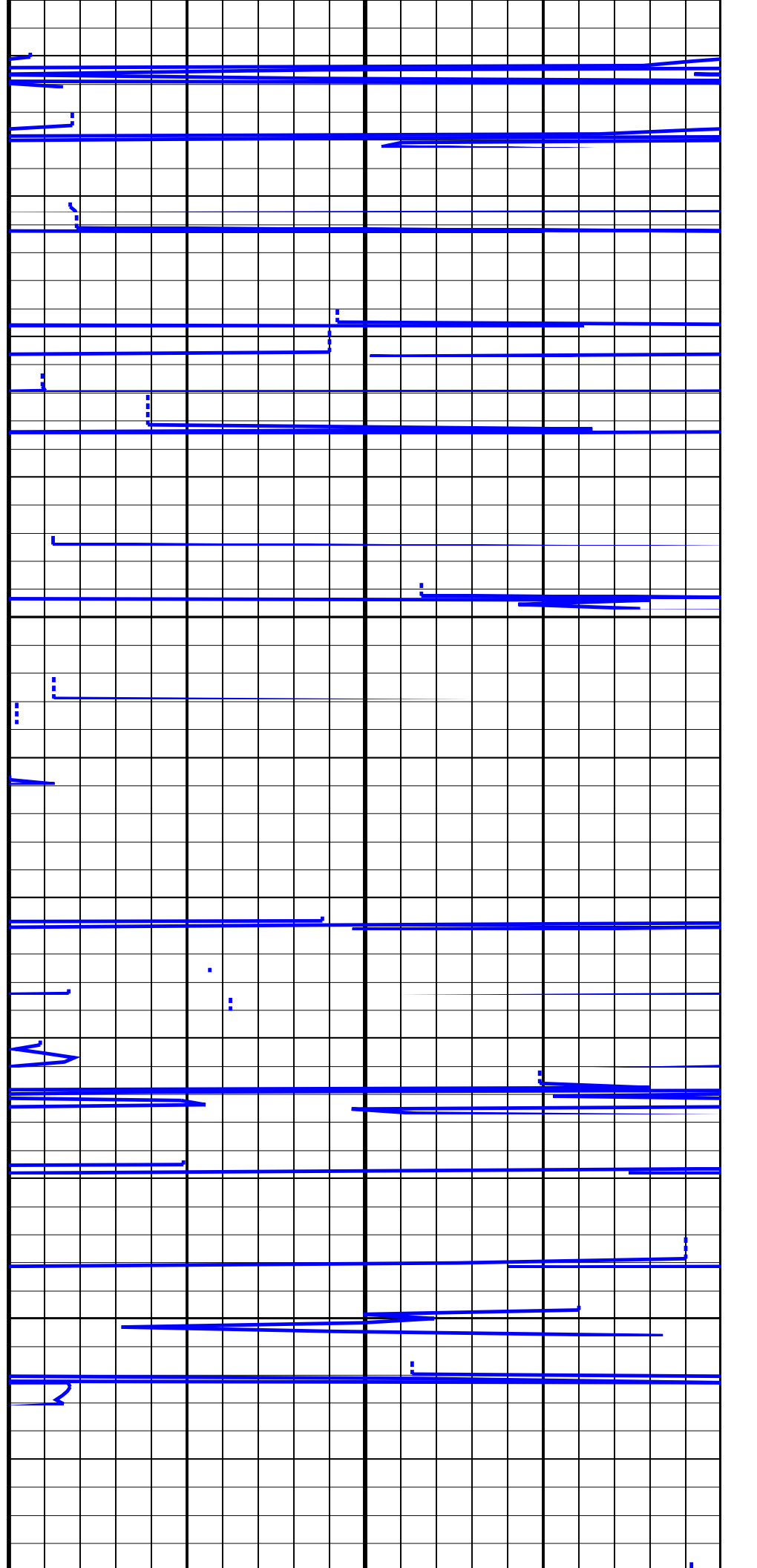
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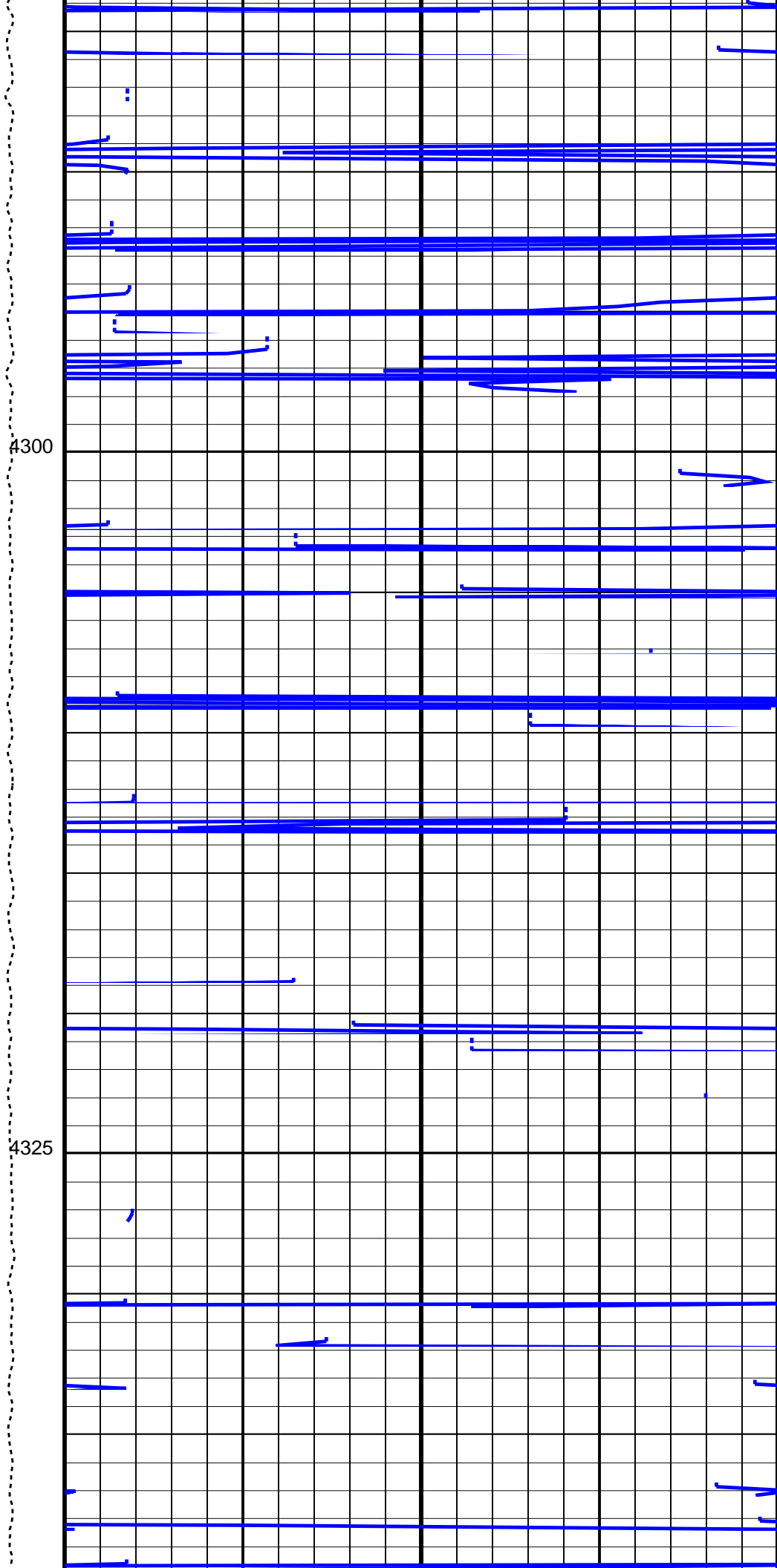
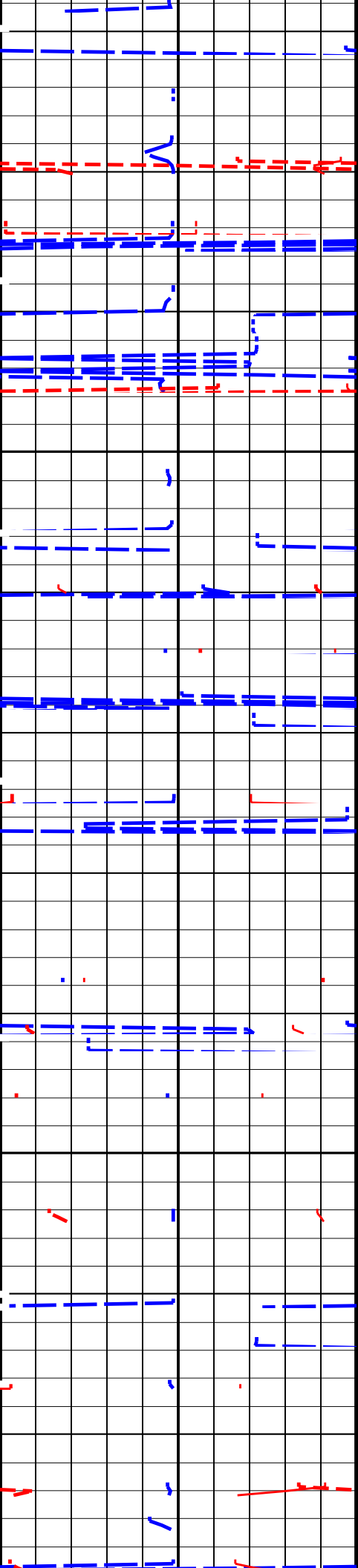




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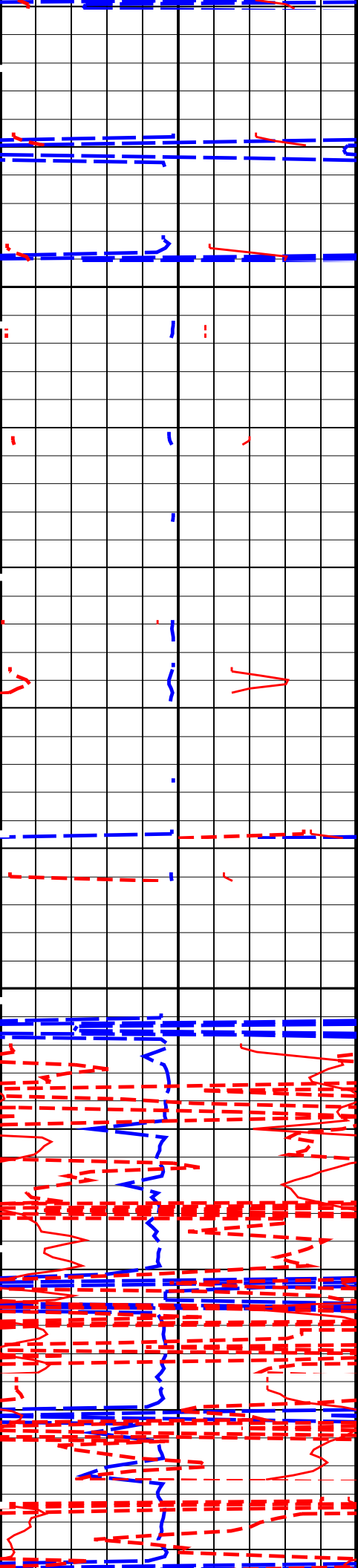
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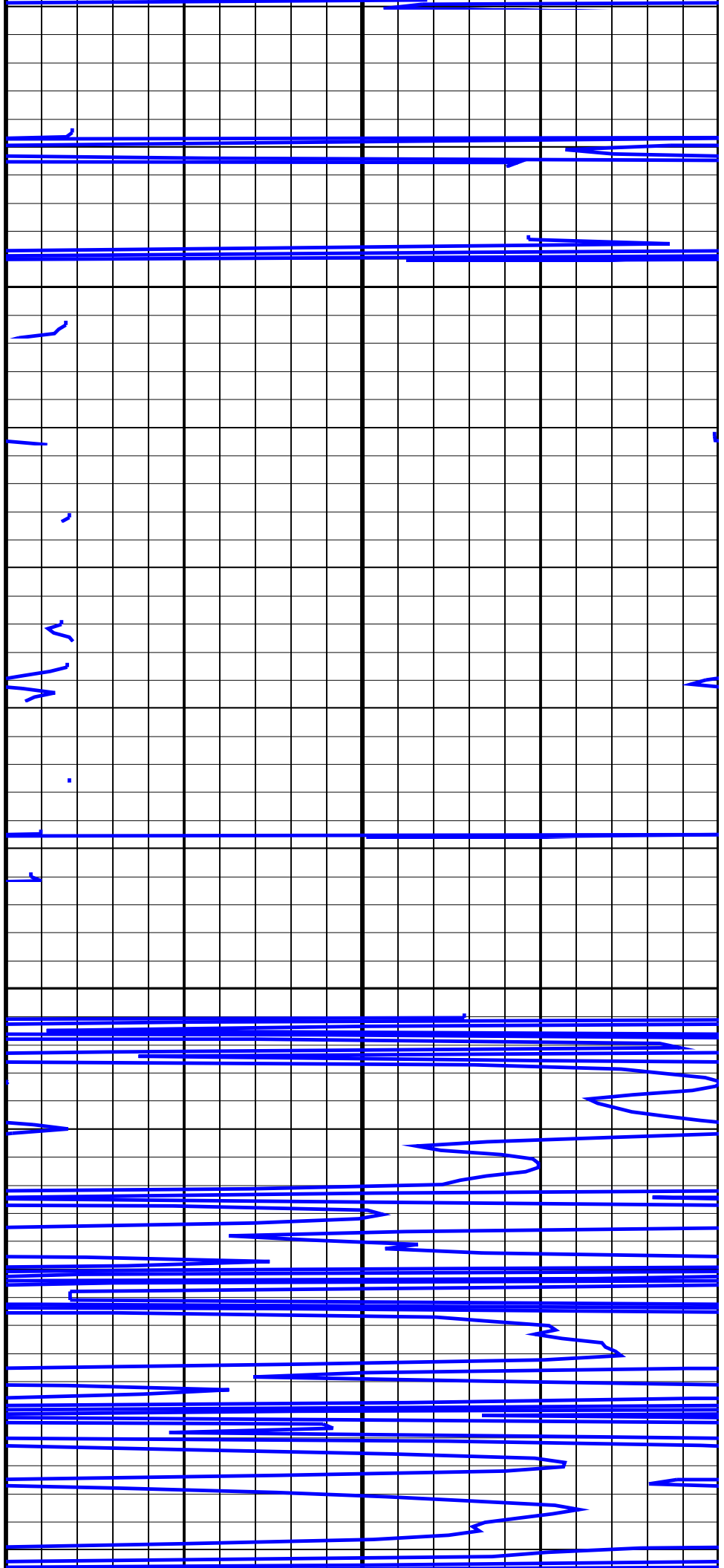
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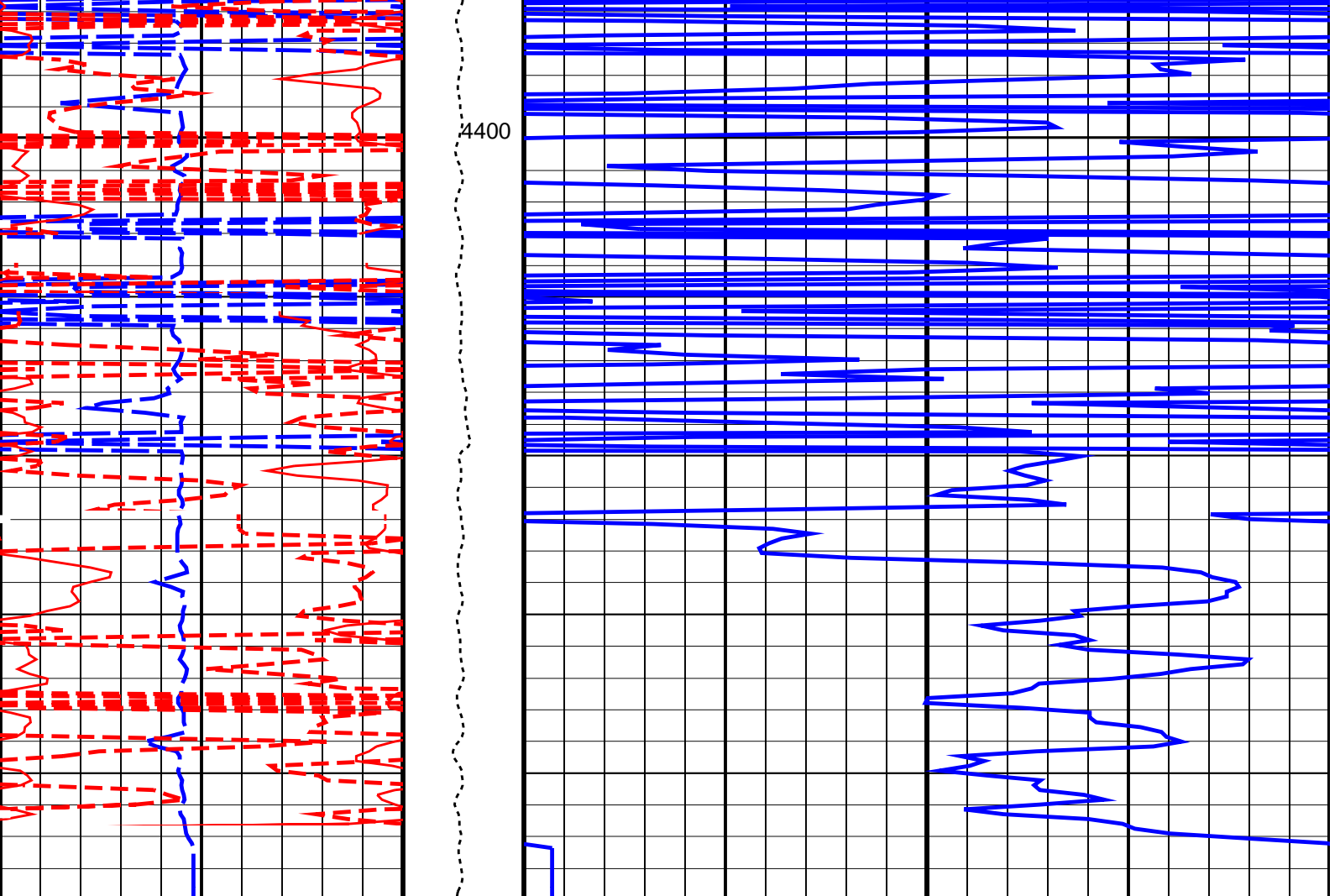
4325



4350

4375





APS Porosity Quality (QSDP) 10 (----) 0	Tension (TENS) (LBF) 10000 0	APS Near/Array Corrected Limestone Porosity (APLC) 60 (PU) 0
APS Formation Capture Cross-Section (SIGF) 0 (CU) 50		
APS Total Correction in APLC (PHICOR_APLC) -10 (PU) 10		
APS Quality of Formation Capture Cross-Section (QSGF) 10 (----) 0		

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)	20 DEGC
GCSE	Generalized Caliper Selection	BS
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE
SHT	Surface Hole Temperature	20 DEGC
HLDS:	Hostile Litho-Density Sonde	
DPPM	Density Porosity Processing Mode	HIRS
APS-C:	Accelerator-Porosity Tool	

AASD	APS Software Version	0	
ADSO	APS Thermal and Array Detectors High Voltage Setting	1976.24	V
AFSD	APS Array Detectors Data Source Switch	Both	
AHCS	APS Far Detector High Voltage Setting	2067.55	V
AHSS	APS Holesize Correction Source	BS	
AMTY	APS Holesize Correction Switch	ON	
ANSD	APS Environmental Corrections Mud Type	WaterBaseBarite	
ASOS	APS Near Detector High Voltage Setting	1737.8	V
ATSS	APS Standoff Correction Switch	ON	
BHFL_APS	APS Temperature-Pressure-Salinity Correction Switch	ON	
BHS	APS TNPH Borehole Fluid Type	WATER	
BHT	Borehole Status	OPEN	
BSCO_APS	Bottom Hole Temperature (used in calculations)	20	DEGC
DPPM	APS TNPH Borehole Salinity Correction Option	YES	
DSCO_APS	Density Porosity Processing Mode	HIRS	
FSAL	APS TNPH Density Source Correction Option	COMPUTED	
FSCO_APS	Formation Salinity	-50000	PPM
GCSE	APS TNPH Formation Salinity Correction Option	NO	
GDEV	Generalized Caliper Selection	BS	
GGRD	Average Angular Deviation of Borehole from Normal	0	DEG
GRSE	Geothermal Gradient	0.018227	DC/M
GTSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
HSCO_APS	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	APS TNPH Hole Size Correction Option	YES	
MCCO_APS	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCOR_APS	APS TNPH Mud Cake Correction Option	YES	
MWCO_APS	APS TNPH Mud Correction	NATU	
NARC	APS TNPH Mud Weight Correction Option	YES	
NFRC	APS Near/Array Calibration Ratio	1.08341	
PTCO_APS	APS Near/Far Calibration Ratio	0.942369	
SHT	APS TNPH Pressure/Temperature Correction Option	YES	
TNCO_APS	Surface Hole Temperature	20	DEGC
	APS TNPH Computation Option	NO	
	HNGS-BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
	EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
	System and Miscellaneous		
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	38000.00	PPM
CSIZ	Current Casing Size	0.000	IN
CWEI	Casing Weight	0.00	LB/F
DO	Depth Offset for Playback	0.0	M
FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	23.00	DEGC
PP	Playback Processing	NORMAL	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
TD	Total Depth	10190.3	FT

Format: APSLiquidPorosity Vertical Scale: 1:200 Graphics File Created: 25-Jul-2022 01:25

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT Flip_HRLA_LDL_APS_038LUP PRODUCER 25-Jul-2022 01:23 4423.9 M 4151.4 M

Output DLIS Files

Company: International Ocean Discovery Program Well: Expedition 393, Site U1583F

Input DLIS Files

DEFAULT Flip_HRLA_LDL_APS_038LUP PRODUCER 25-Jul-2022 01:23 4423.9 M 4151.4 M

Output DLIS Files

DEFAULT HRLA_LDL_APS_NGS_039PUP FN:33 PRODUCER 25-Jul-2022 01:25 4423.9 M 4151.4 M

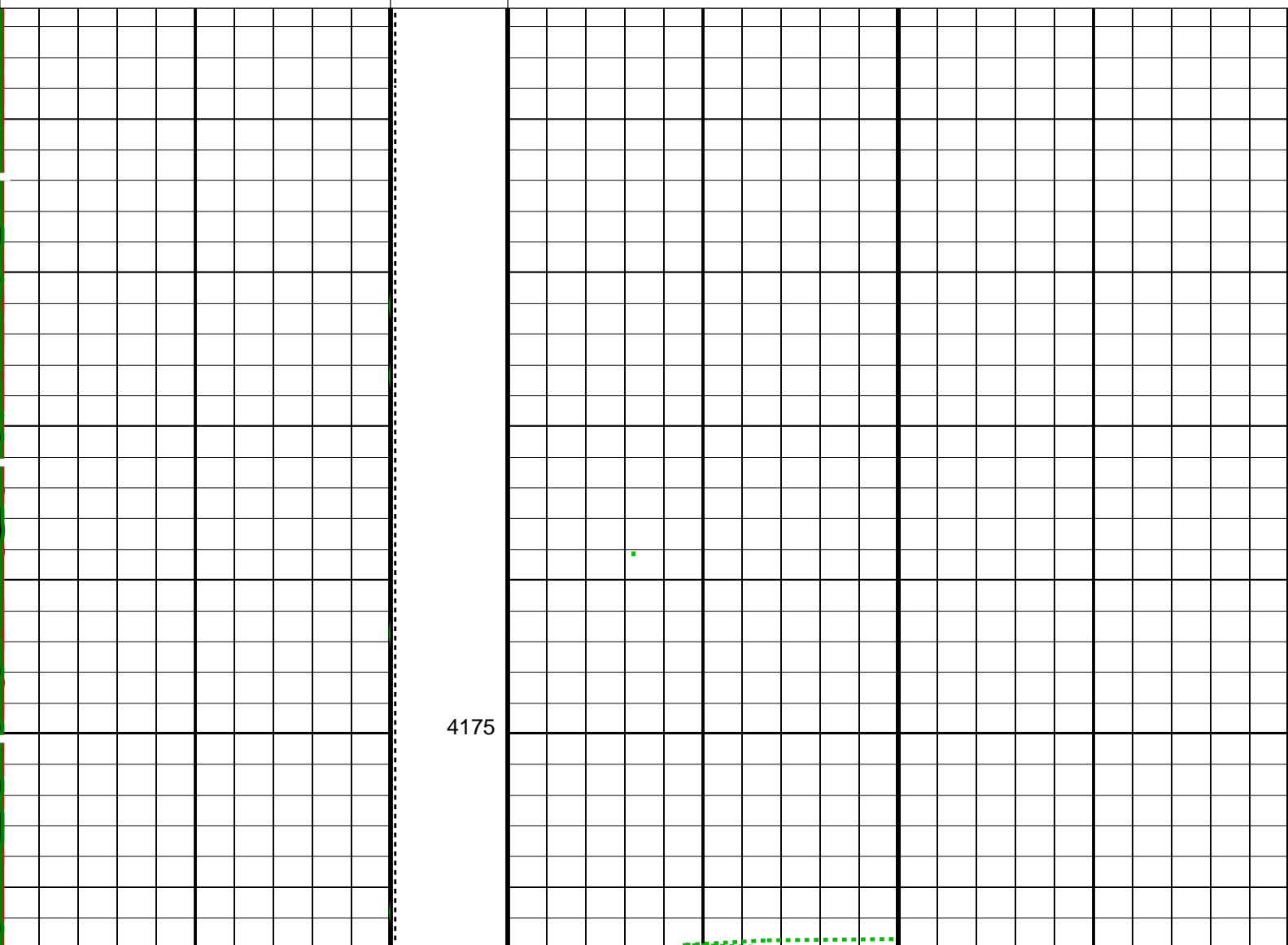
OP System Version: 19C0-187

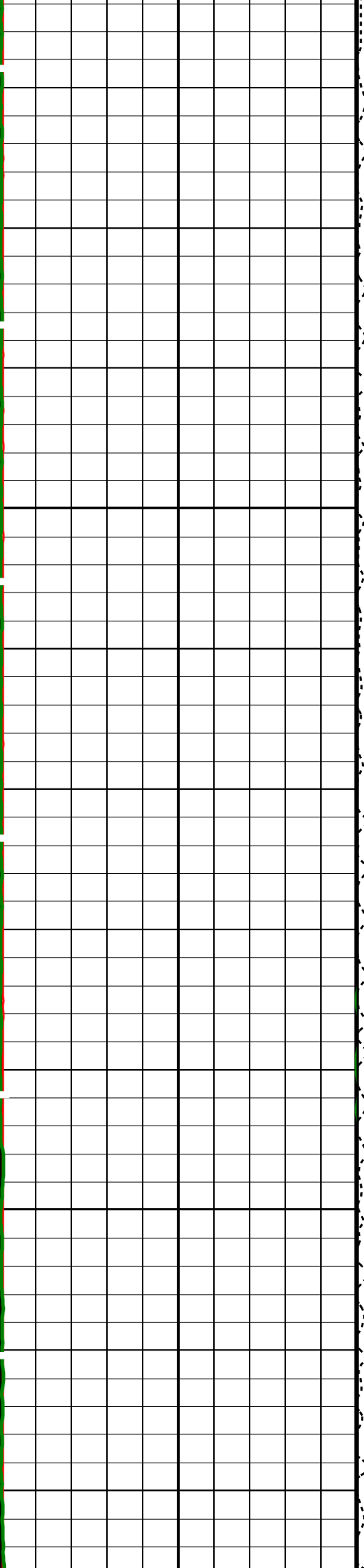
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LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S

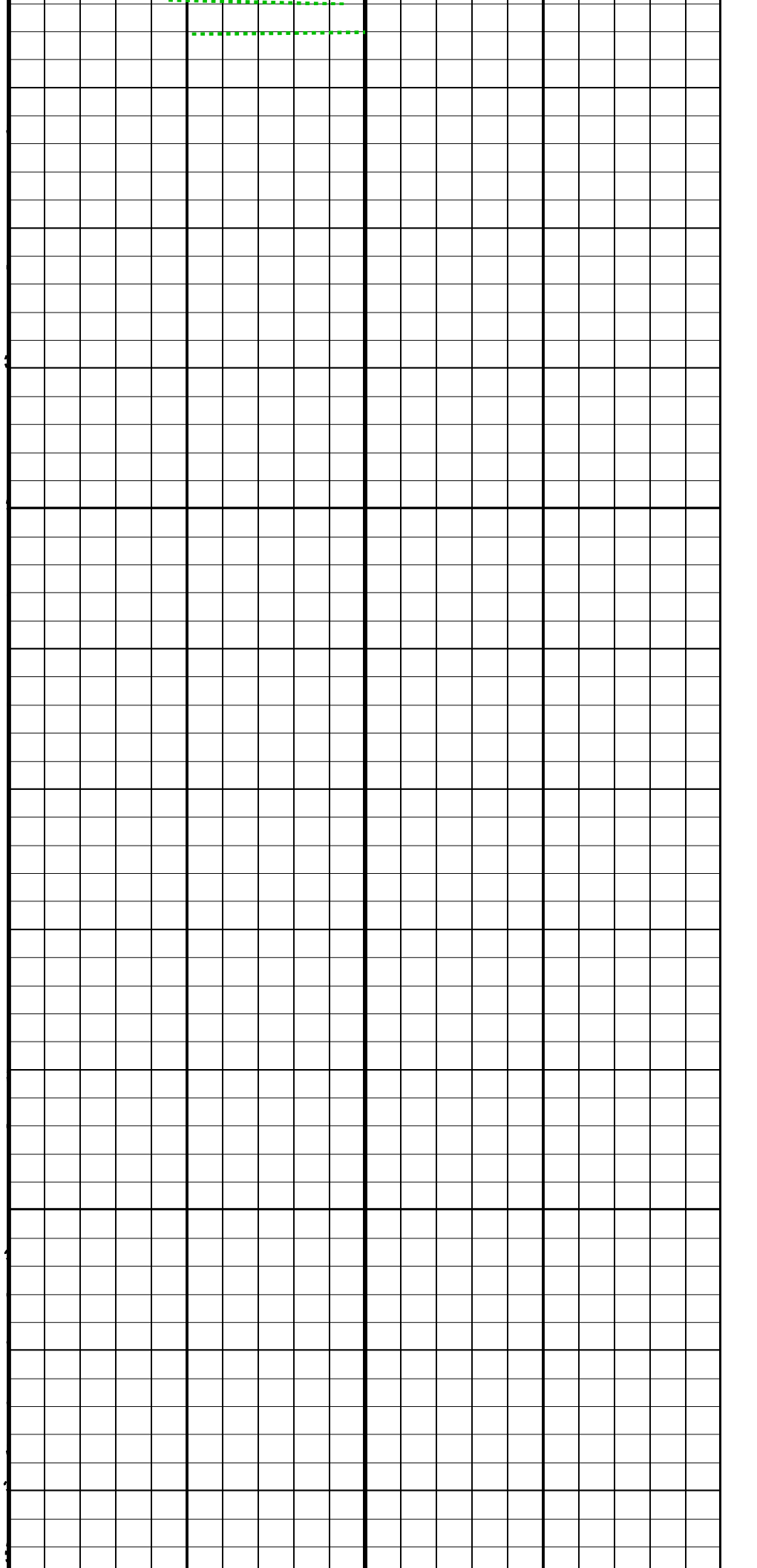
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 150	HLDS Long Spaced Photoelectric Effect (PEFL) 0 (----) 10	HLDS Bulk Density Correction (DRH) -0.25 (G/C3) 0.25
HLDS Caliper (LCAL) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	HLDS Bulk Density (RHOM) 3 (G/C3) 1

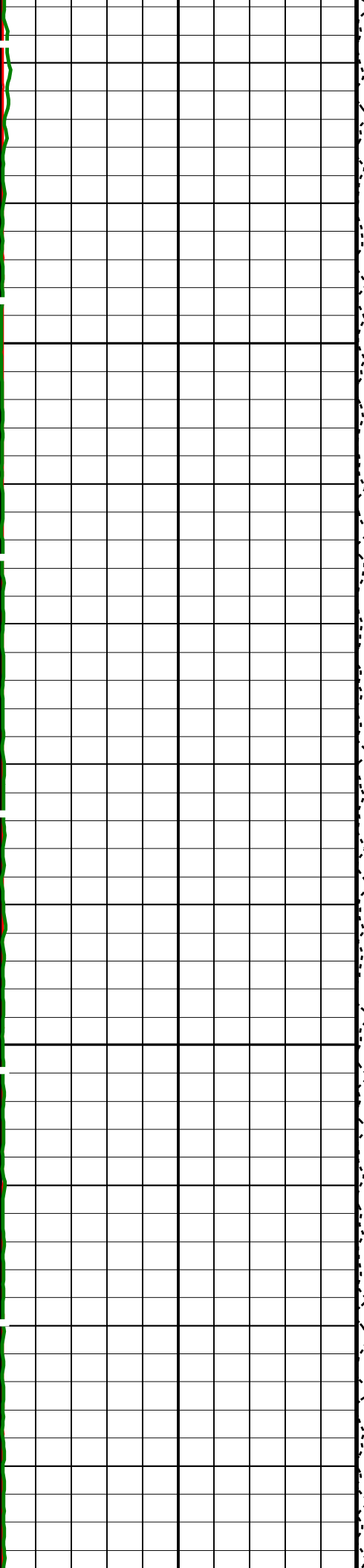




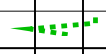
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4225

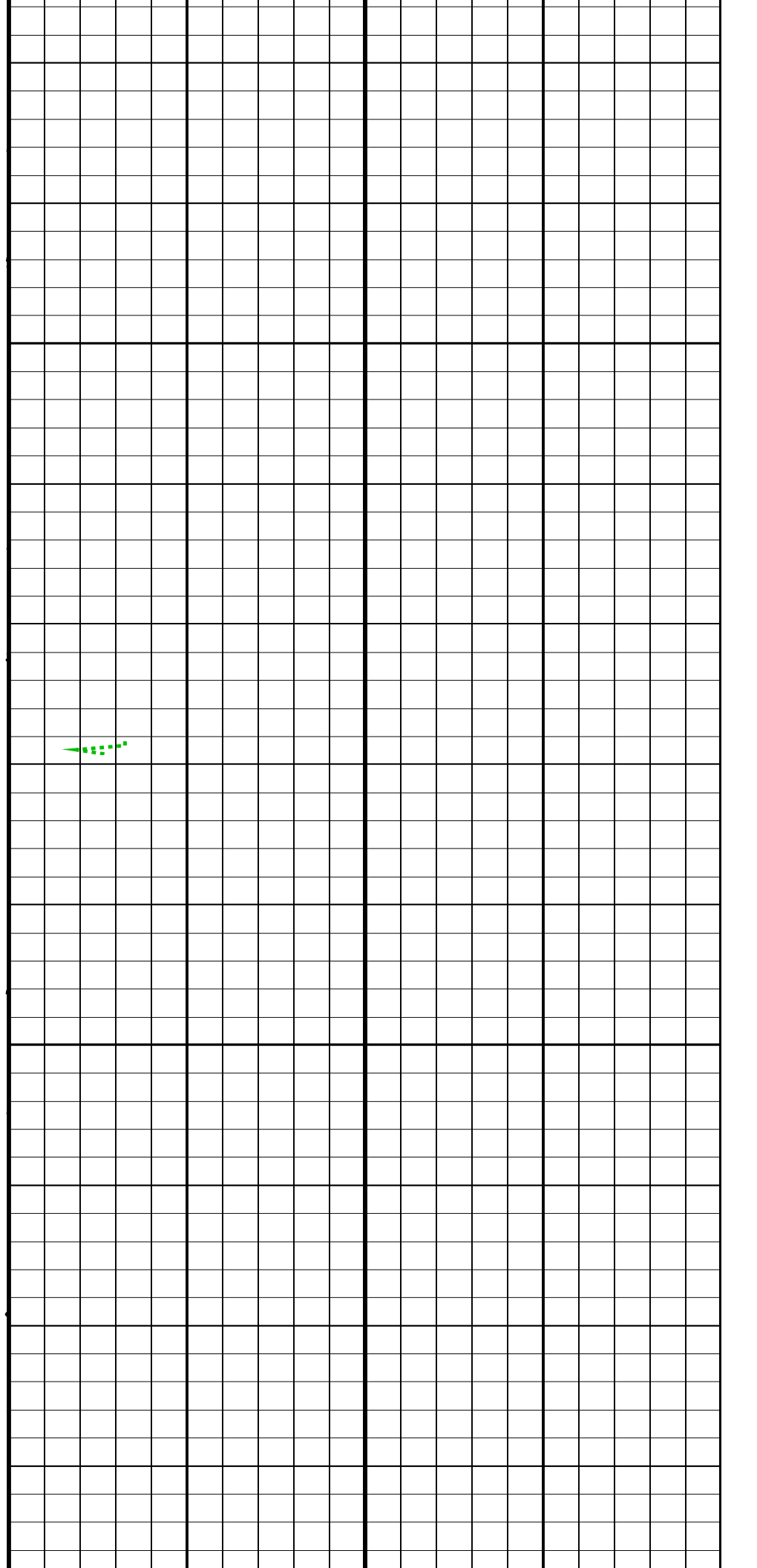




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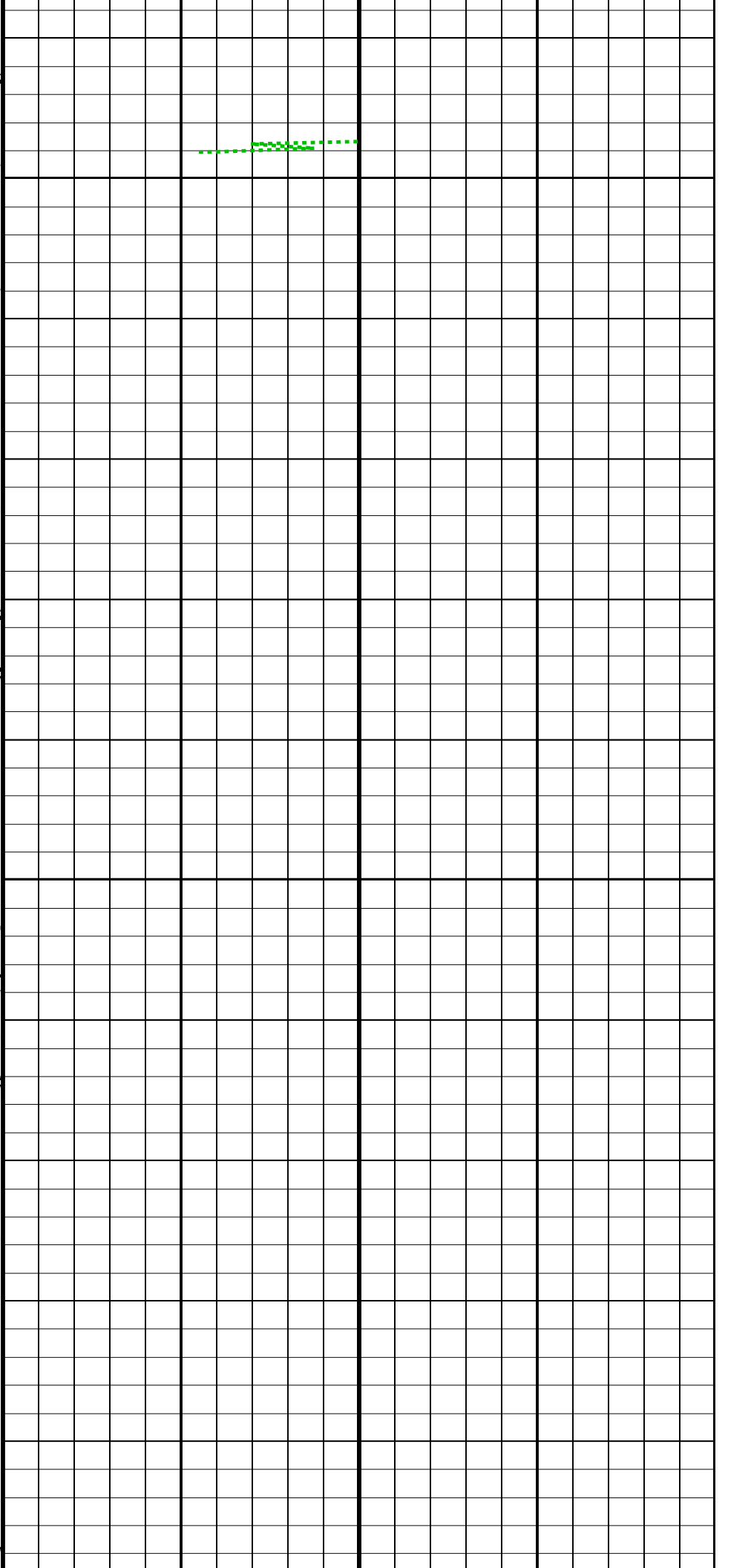
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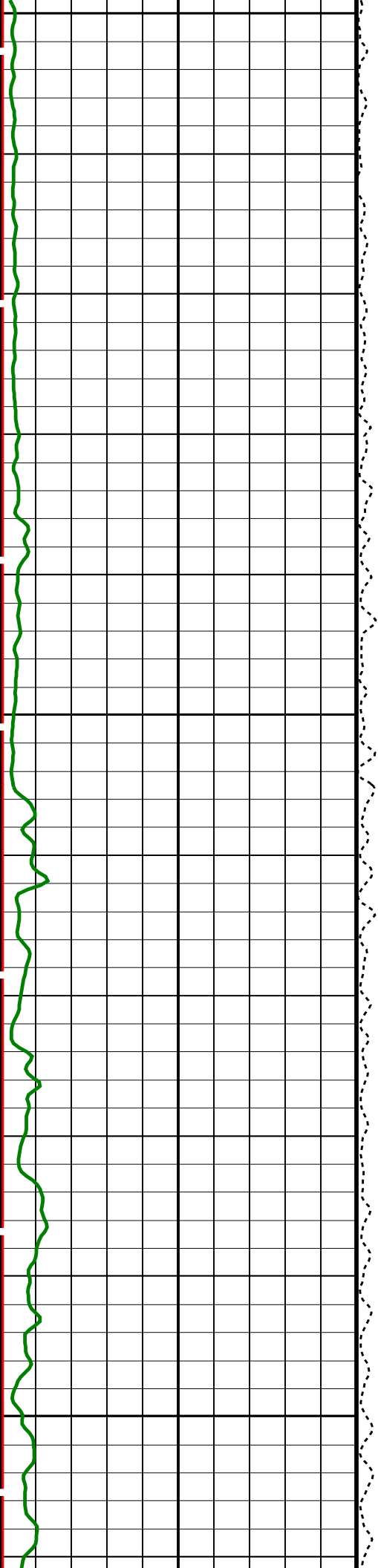




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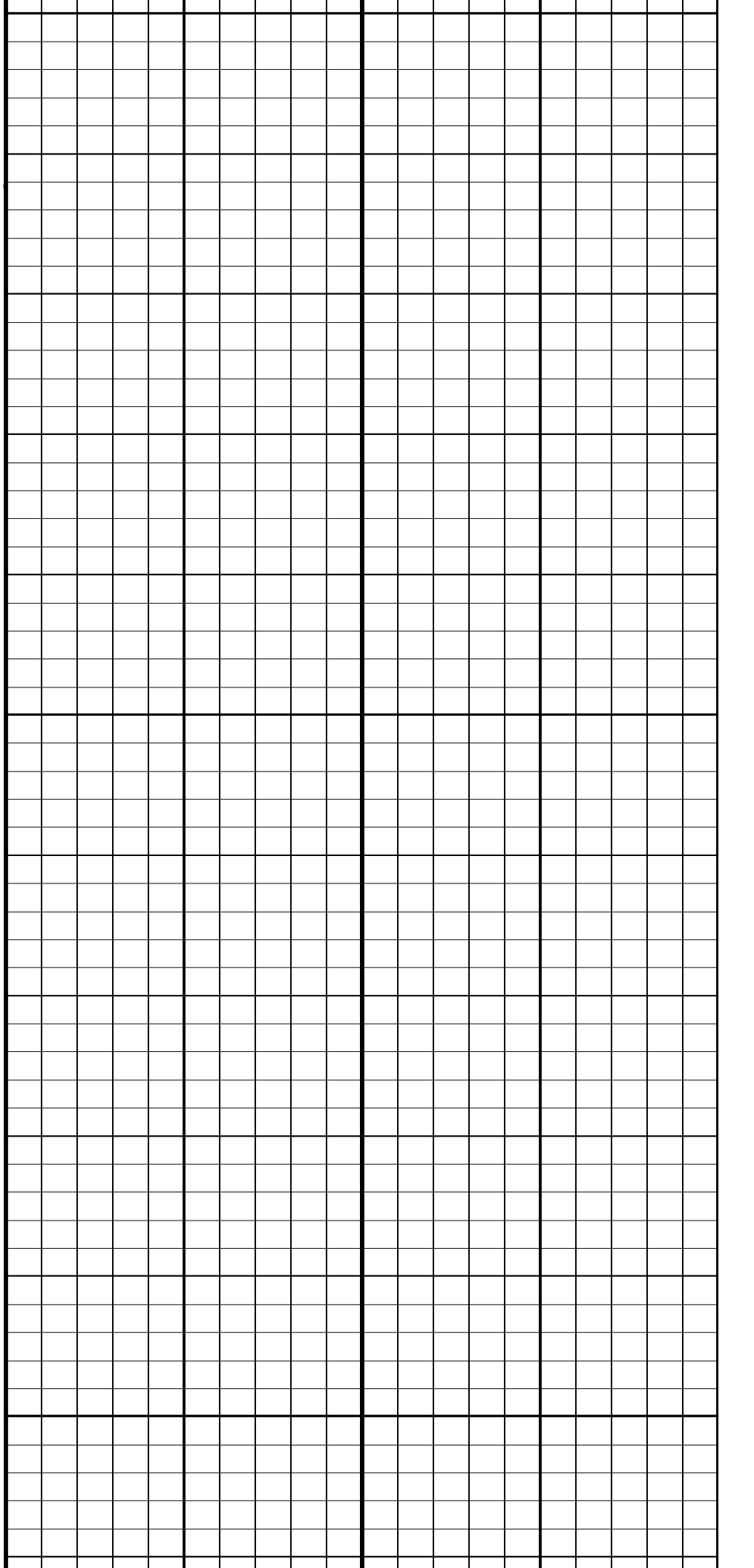


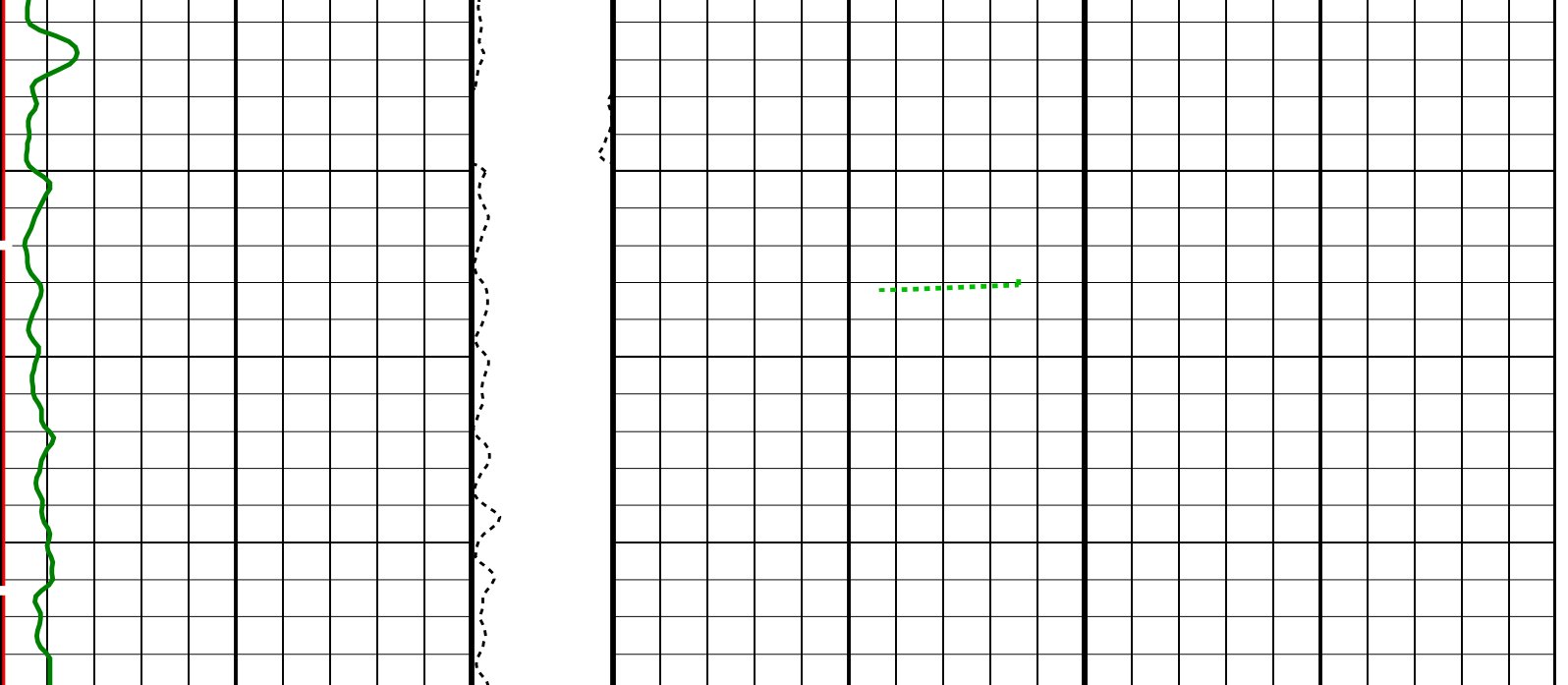


4350

4375

4400





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

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
HLDS: Hostile Litho-Density Sonde		
DHC	Density Hole Correction	BS
DPPM	Density Porosity Processing Mode	HIRS
FD	Fluid Density	1 G/C3
LATC	HLDS Activation Correction	ON
MDEN	Matrix Density	2.71 G/C3
APS-C: Accelerator-Porosity Tool		
	APS Software Version	0
BHS	Borehole Status	OPEN
DPPM	Density Porosity Processing Mode	HIRS
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	-0.00124408
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	20.2456
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	19.4799

VBAZ	EDTC-B: Enhanced DTS Cartridge	HNGS Detector 2 Variable Barite Factor Running Average	19.4799
BHS	Borehole Status		OPEN
DPPM	Density Porosity Processing Mode		HIRS
GCSE	Generalized Caliper Selection		BS
BS	System and Miscellaneous		
DO	Bit Size		9.875 IN
PP	Depth Offset for Playback		0.0 M
	Playback Processing		NORMAL

Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 25-Jul-2022 01:25

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	Flip_HRLA_LDL_APS_038LUP	PRODUCER	25-Jul-2022 01:23	4423.9 M	4151.4 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_039PUP	FN:33	PRODUCER	25-Jul-2022 01:25	
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Company: International Ocean Discovery Program Well: Expedition 393, Site U1583F

Input DLIS Files

DEFAULT	Flip_HRLA_LDL_APS_038LUP	PRODUCER	25-Jul-2022 01:23	4423.9 M	4151.4 M
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Output DLIS Files

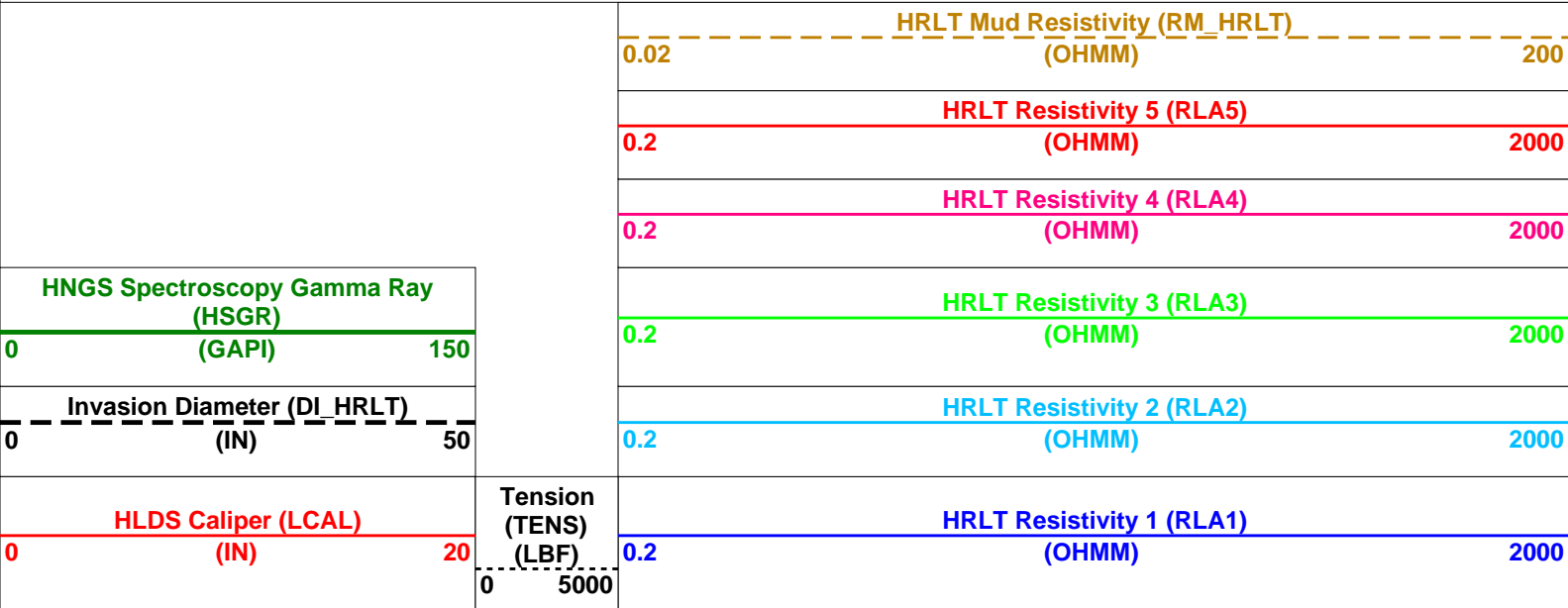
DEFAULT	HRLA_LDL_APS_NGS_039PUP	FN:33	PRODUCER	25-Jul-2022 01:25	4423.9 M	4151.4 M
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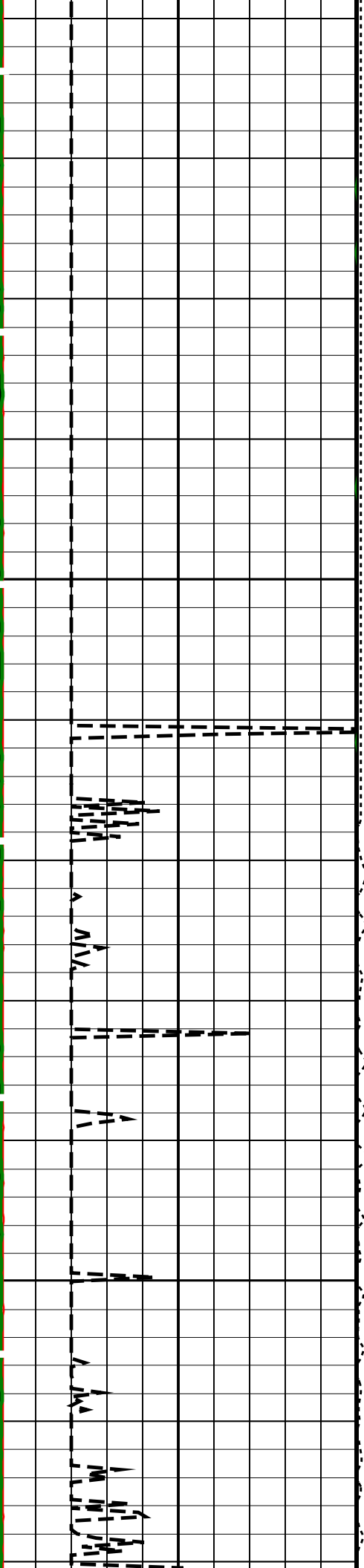
OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

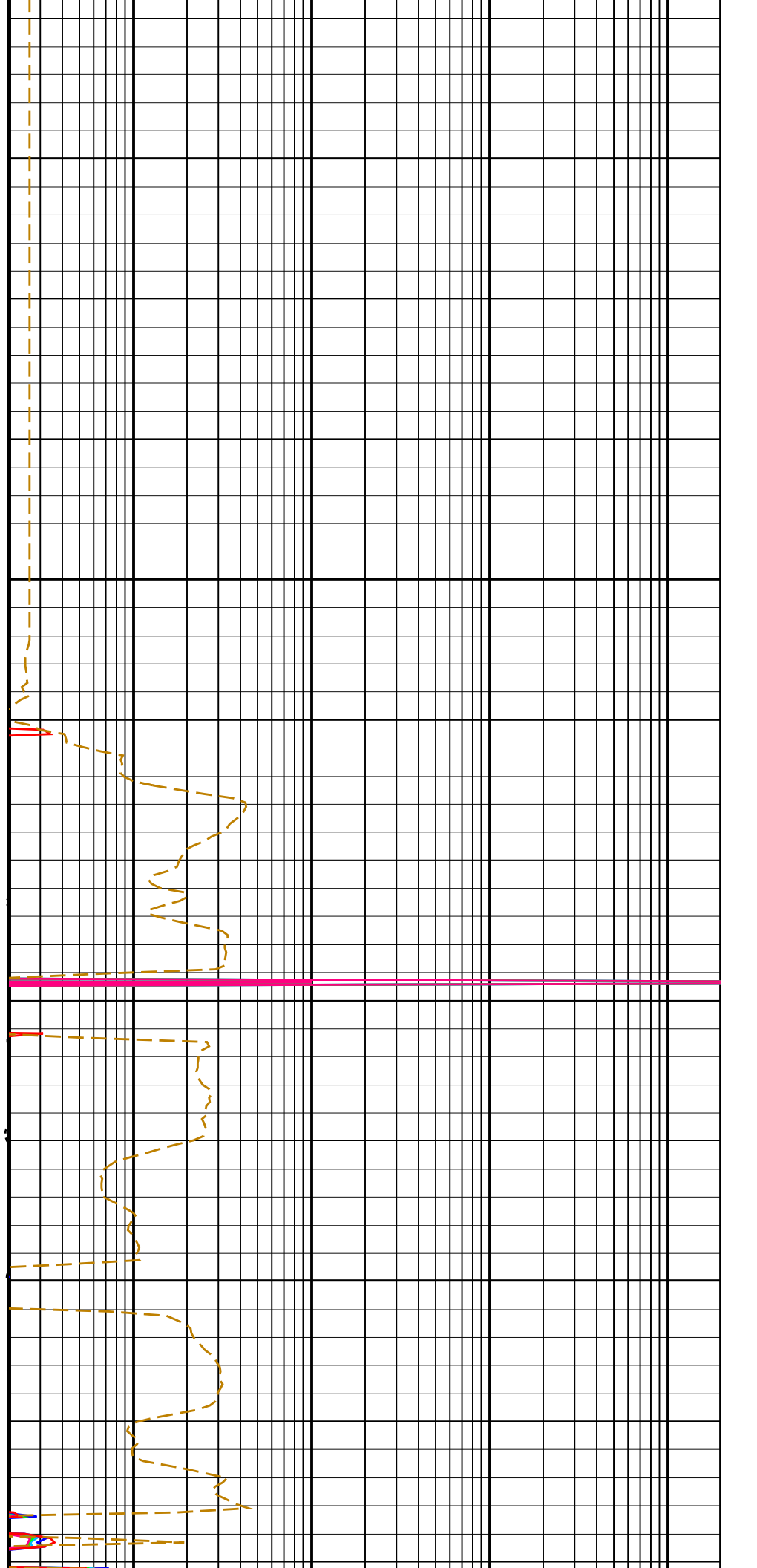
Time Mark Every 60 S





4175

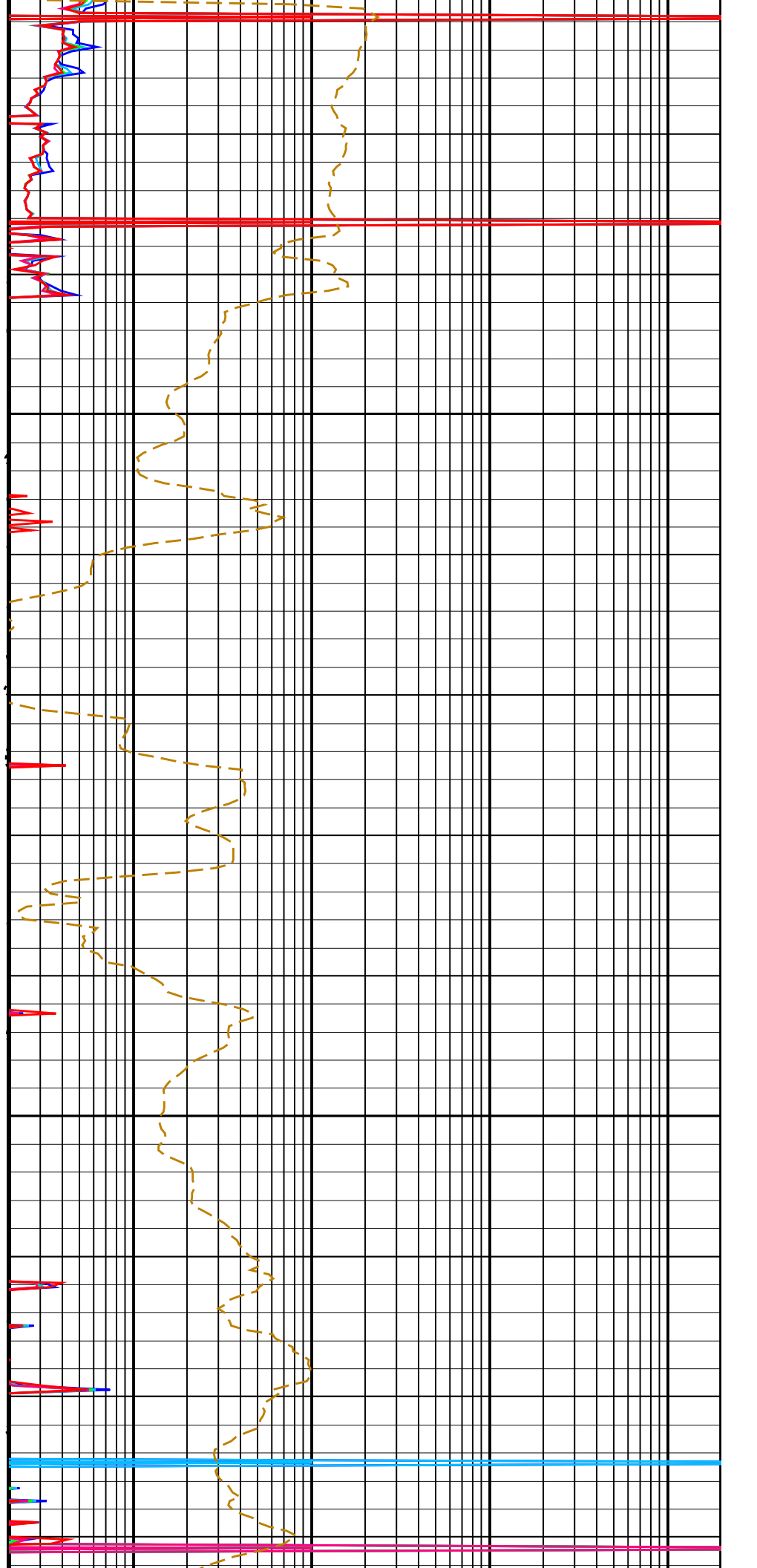
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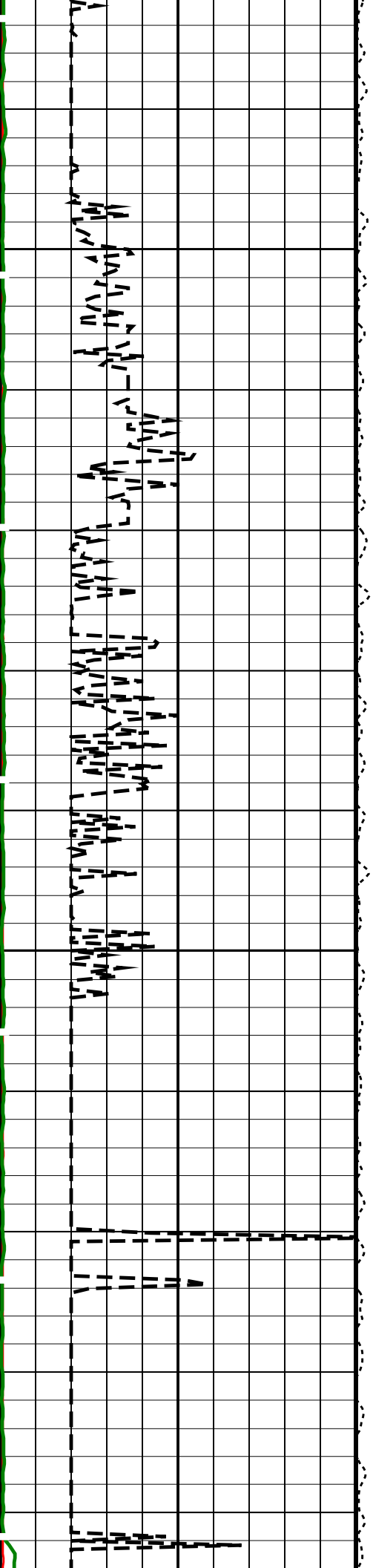




4225

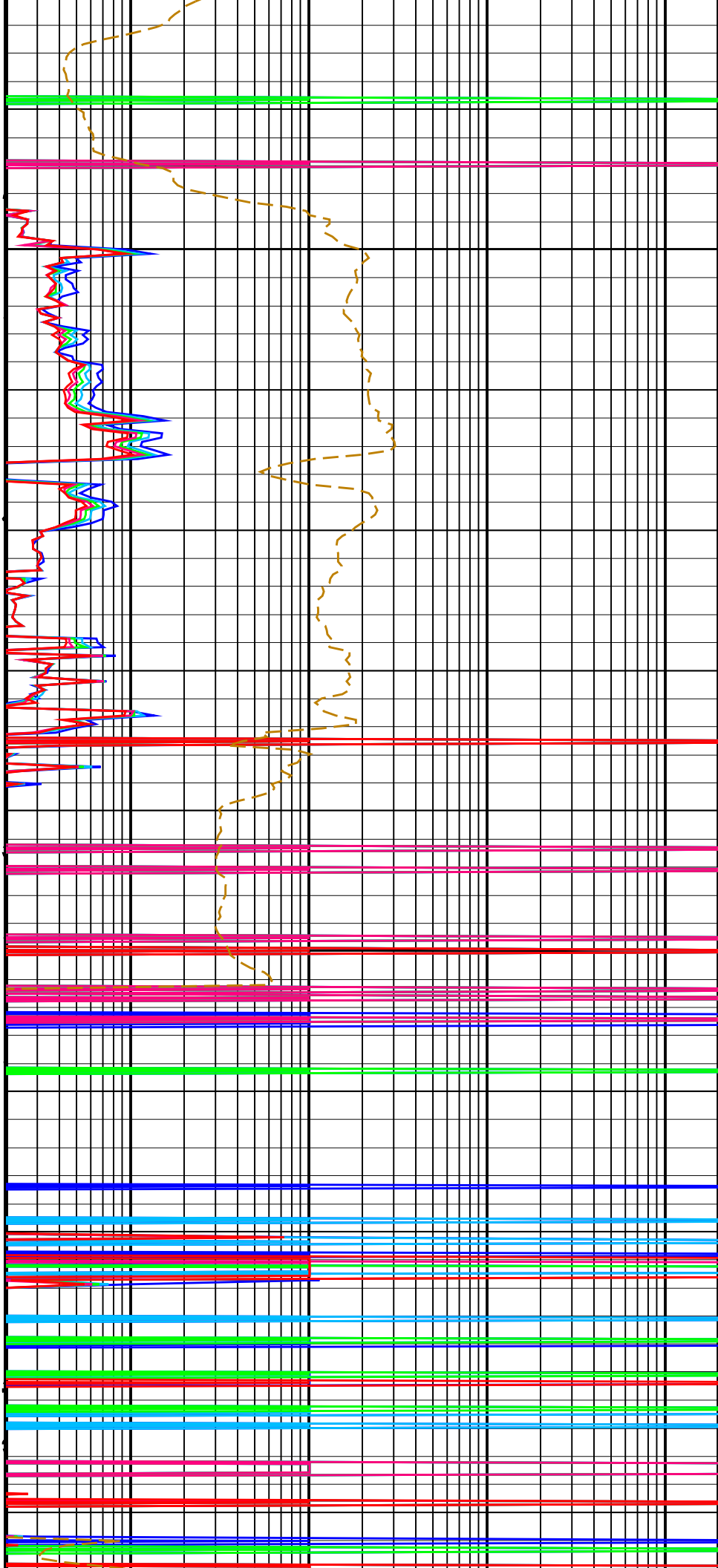
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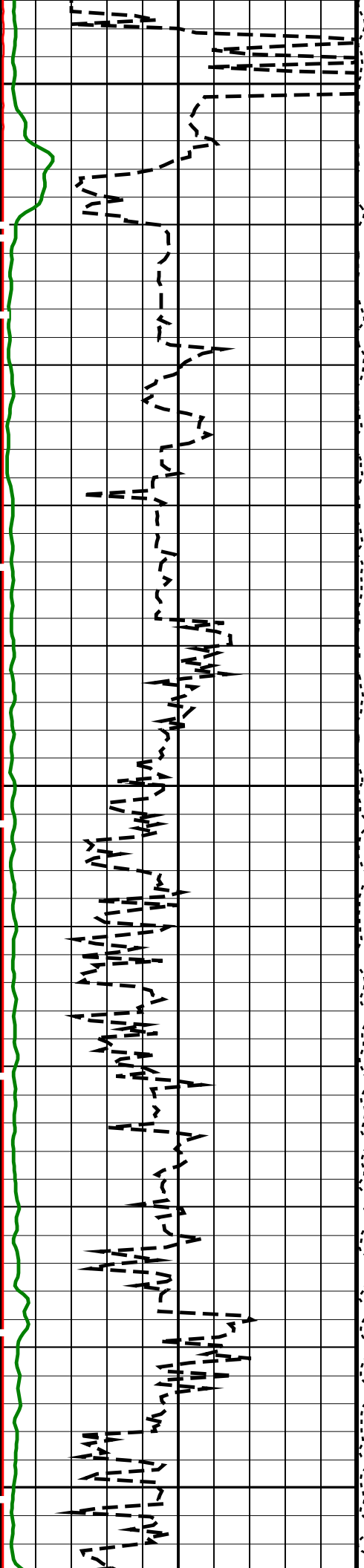




4275

4300

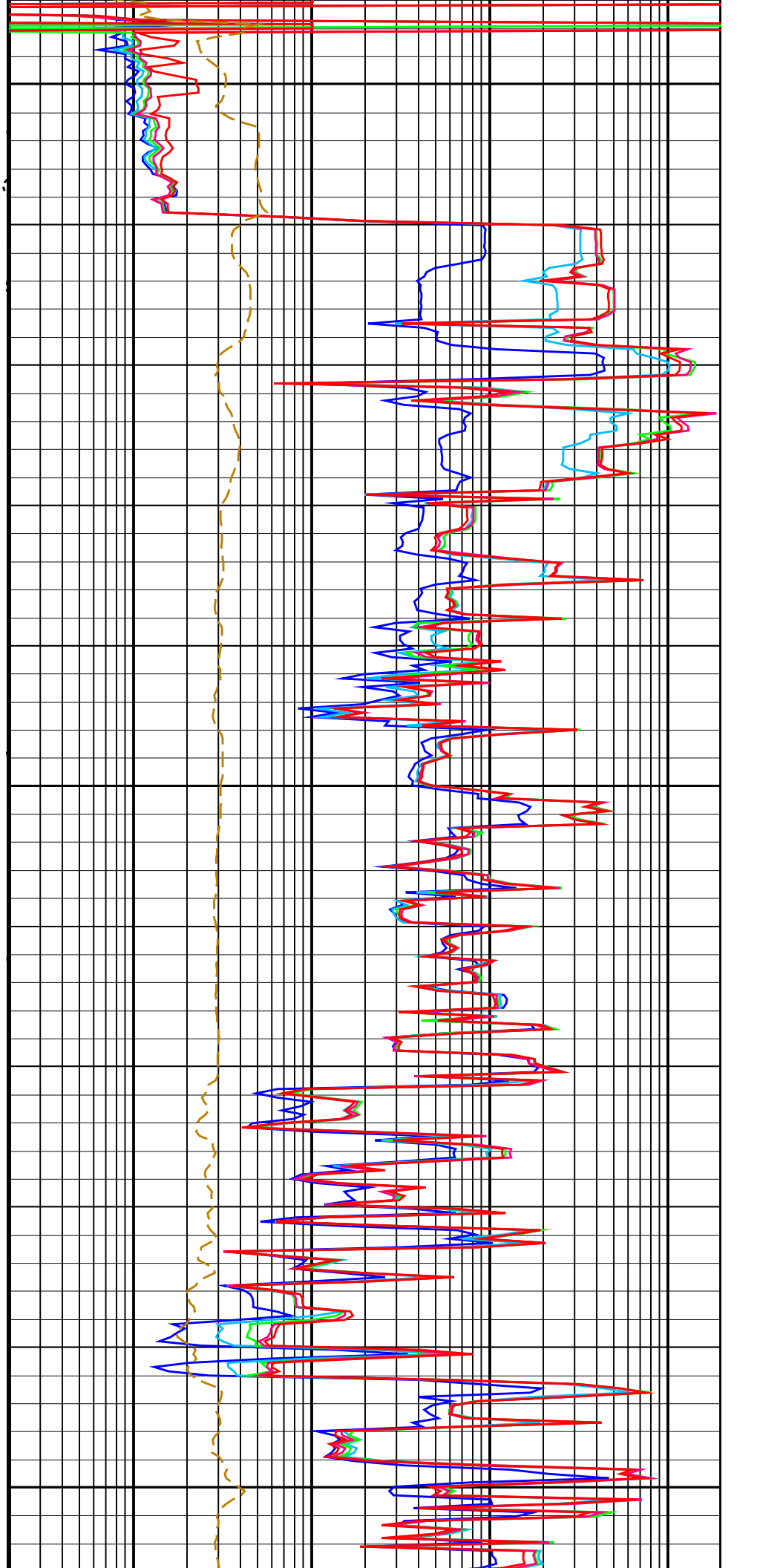


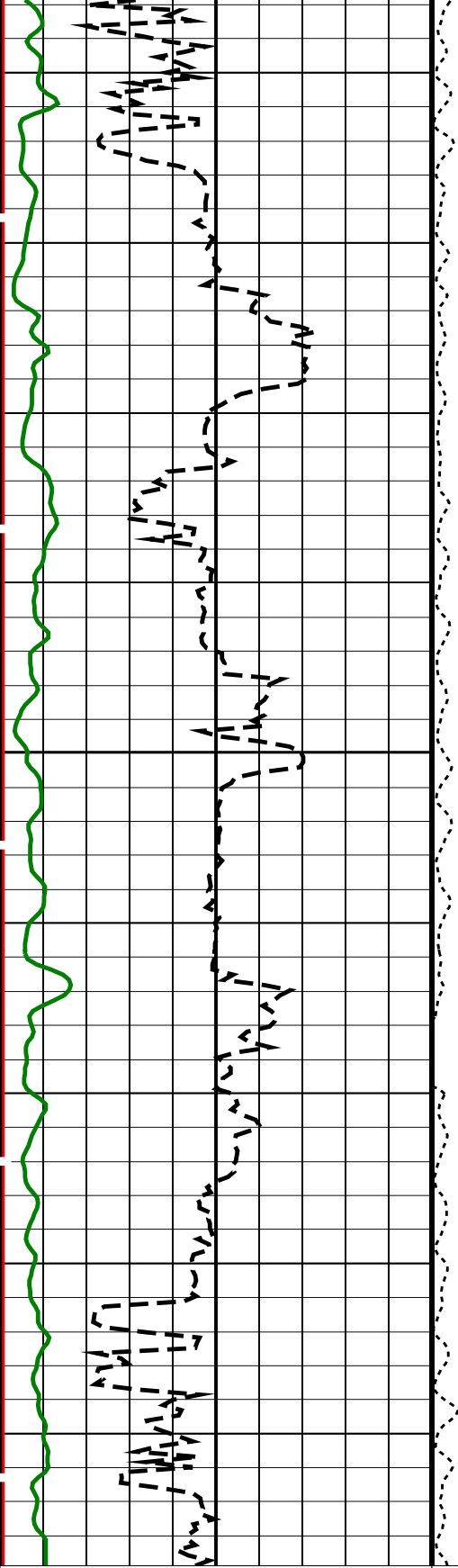


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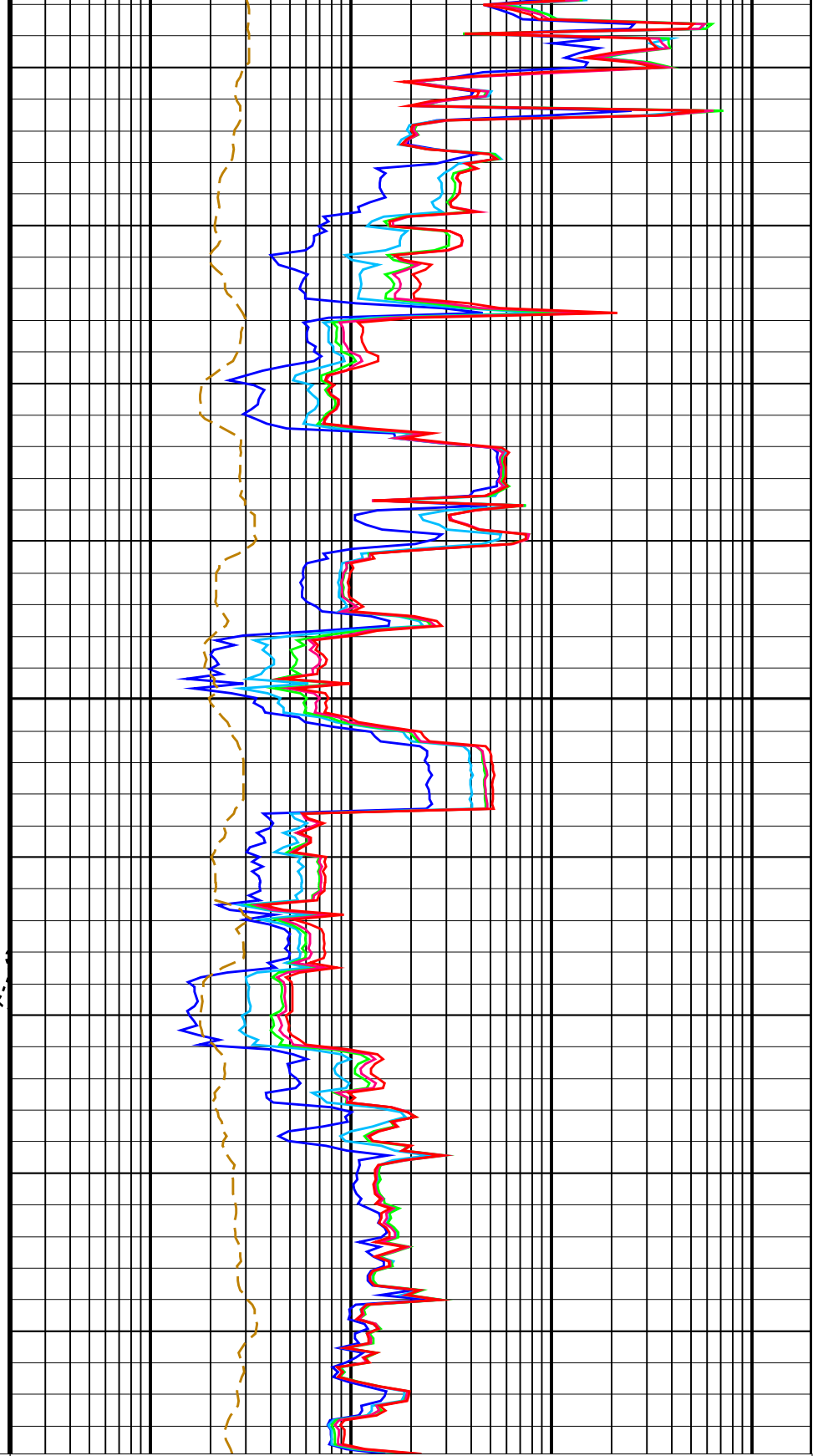
4350

4375





4400



HLDS Caliper (LCAL)
0 (IN) 20

Invasion Diameter (DI_HRLT)
0 (IN) 50

HNGS Spectroscopy Gamma Ray (HSGR)
0 (GAPI) 150

Tension (TENS)
(LBF)
0 5000

HRLT Resistivity 1 (RLA1)
0.2 (OHMM) 2000

HRLT Resistivity 2 (RLA2)
0.2 (OHMM) 2000

HRLT Resistivity 3 (RLA3)
0.2 (OHMM) 2000

HRLT Resistivity 4 (RLA4)

0.2	HRLT Resistivity 4 (RLA4) (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)	20	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	
PROCMO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Centered	
SHT	Surface Hole Temperature	20	DEGC
APS-C: Accelerator-Porosity Tool			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	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	
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)	20	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	-0.00124408	
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	20.2456	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	19.4799	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	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	
SHT	Surface Hole Temperature	20	DEGC
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
MST	Mud Sample Temperature	23.00	DEGC
PP	Playback Processing	NORMAL	
TD	Total Depth	10190.3	FT

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	Flip_HRLA_LDL_APS_038LUP	PRODUCER	25-Jul-2022 01:23	4423.9 M	4151.4 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_039PUP	FN:33	PRODUCER	25-Jul-2022 01:25	
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First Up Pass

MAXIS Field Log

Company: International Ocean Discovery Program

Well: Expedition 393, Site U1583F

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_012LUP	FN:11	PRODUCER	17-Jul-2022 04:10	4455.4 M	4364.7 M
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Output DLIS Files

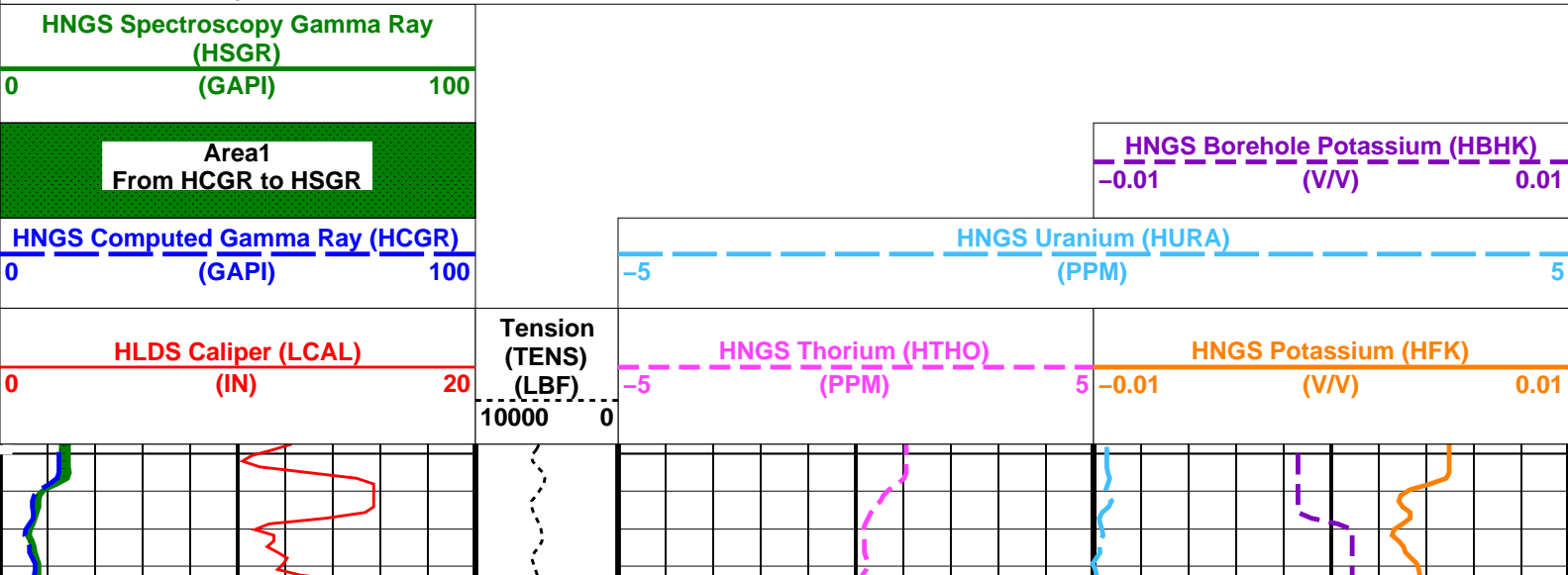
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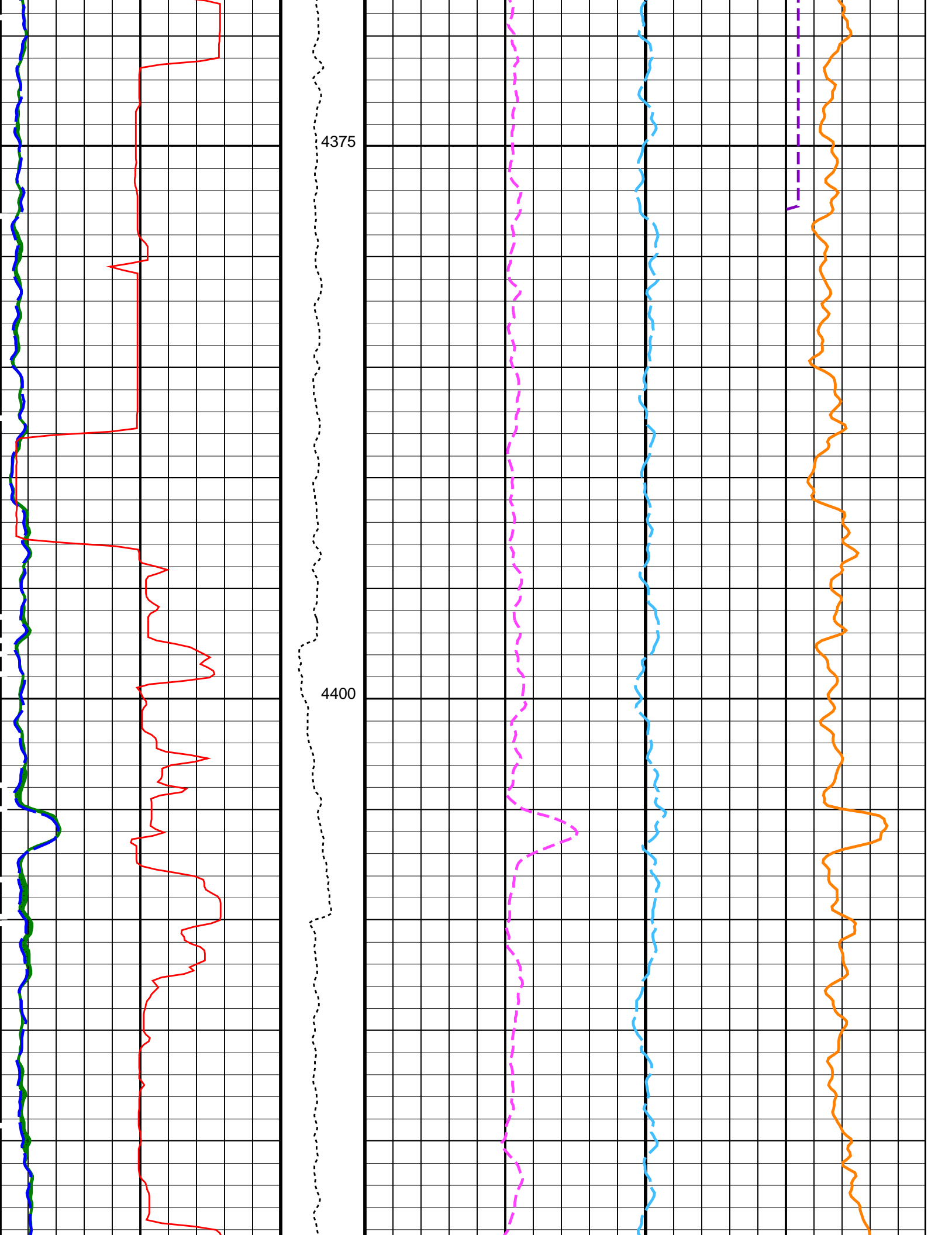
OP System Version: 19C0-187

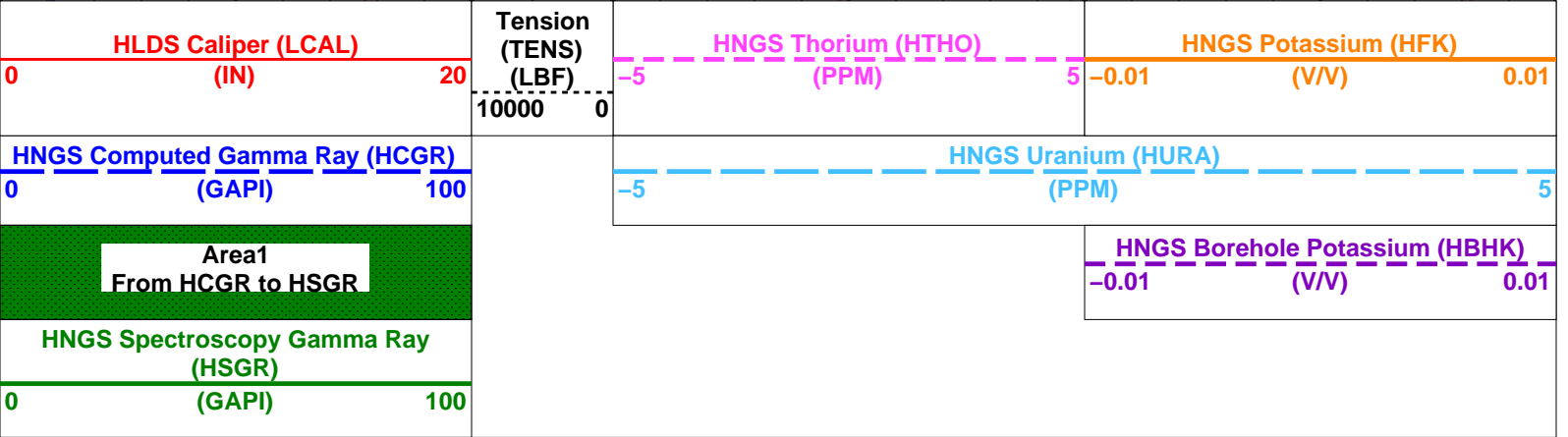
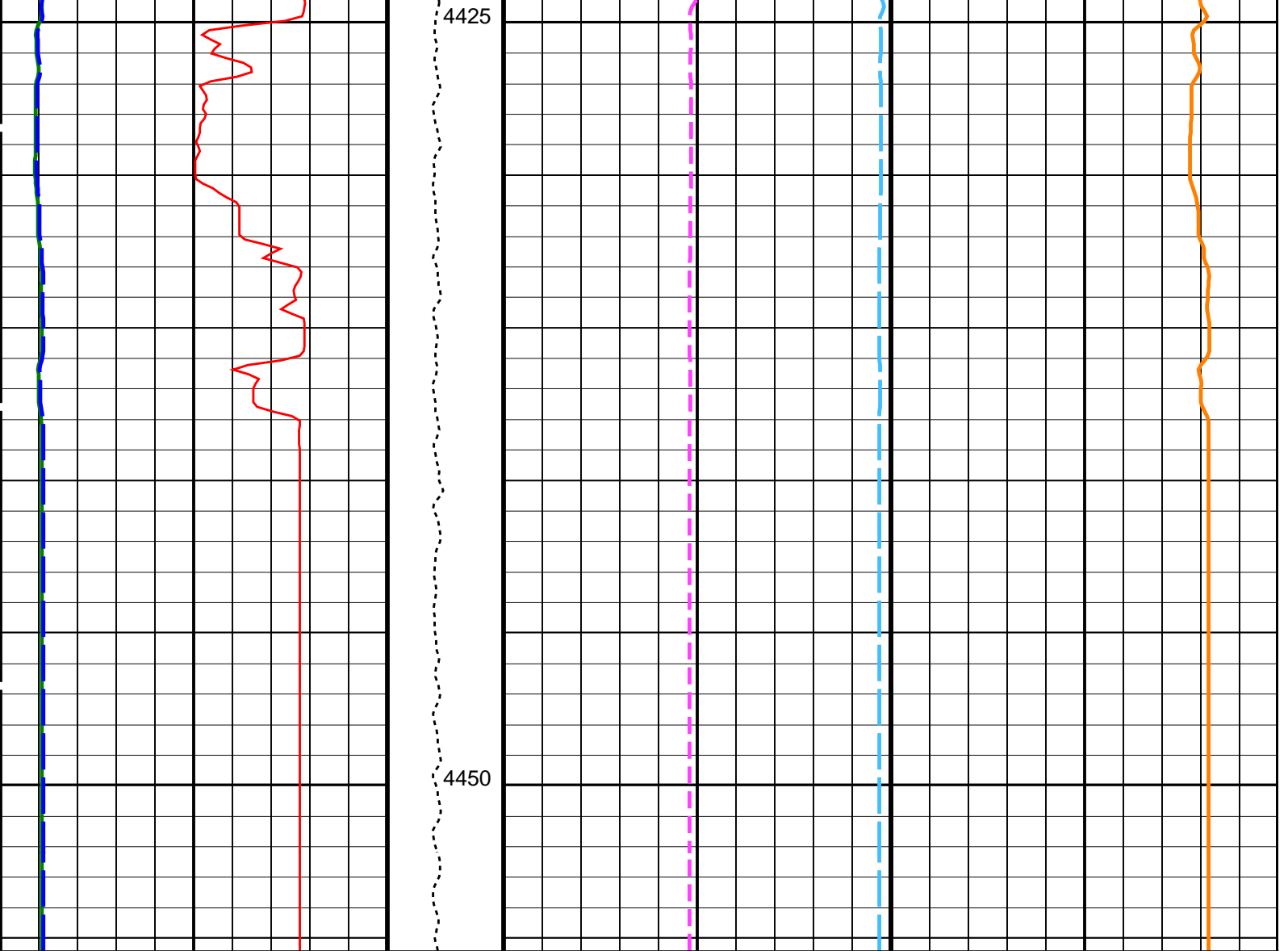
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LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

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	BS
BHS	APS-C: Accelerator-Porosity Tool	
GCSE	Borehole Status	OPEN
	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	-0.00124408	
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	20.2456	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	19.4799	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 25-Jul-2022 01:37

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_012LUP	FN:11	PRODUCER	17-Jul-2022 04:10	4455.4 M	4364.7 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_041PUP	FN:35	PRODUCER	25-Jul-2022 01:36		
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Company: International Ocean Discovery Program Well: Expedition 393, Site U1583F

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_012LUP	FN:11	PRODUCER	17-Jul-2022 04:10	4455.4 M	4364.7 M
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Output DLIS Files

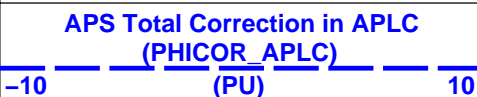
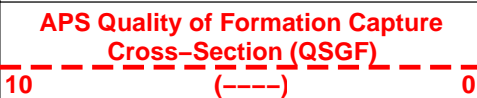
DEFAULT	HRLA_LDL_APS_NGS_041PUP	FN:35	PRODUCER	25-Jul-2022 01:36	4455.4 M	4364.7 M
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OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S

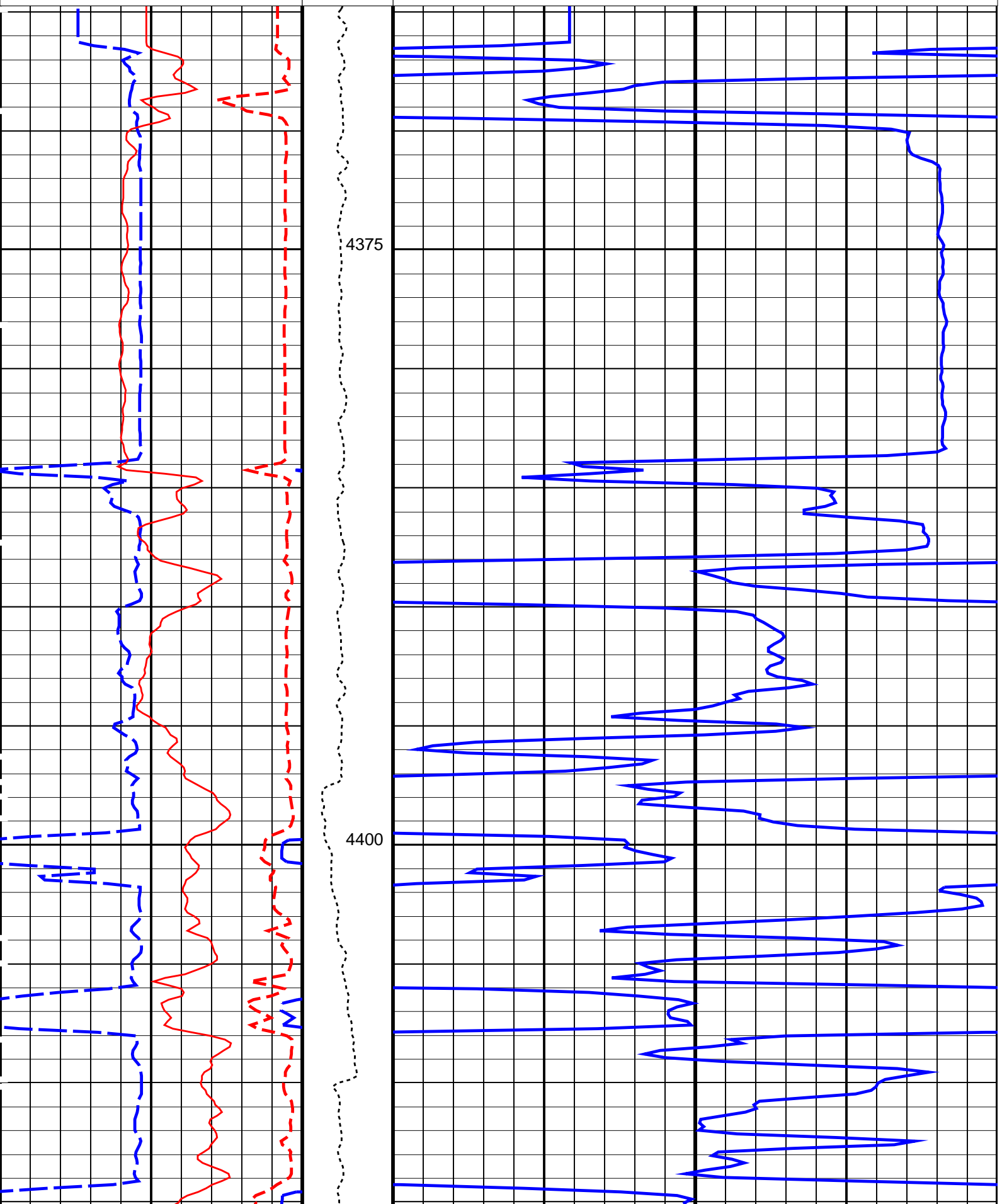


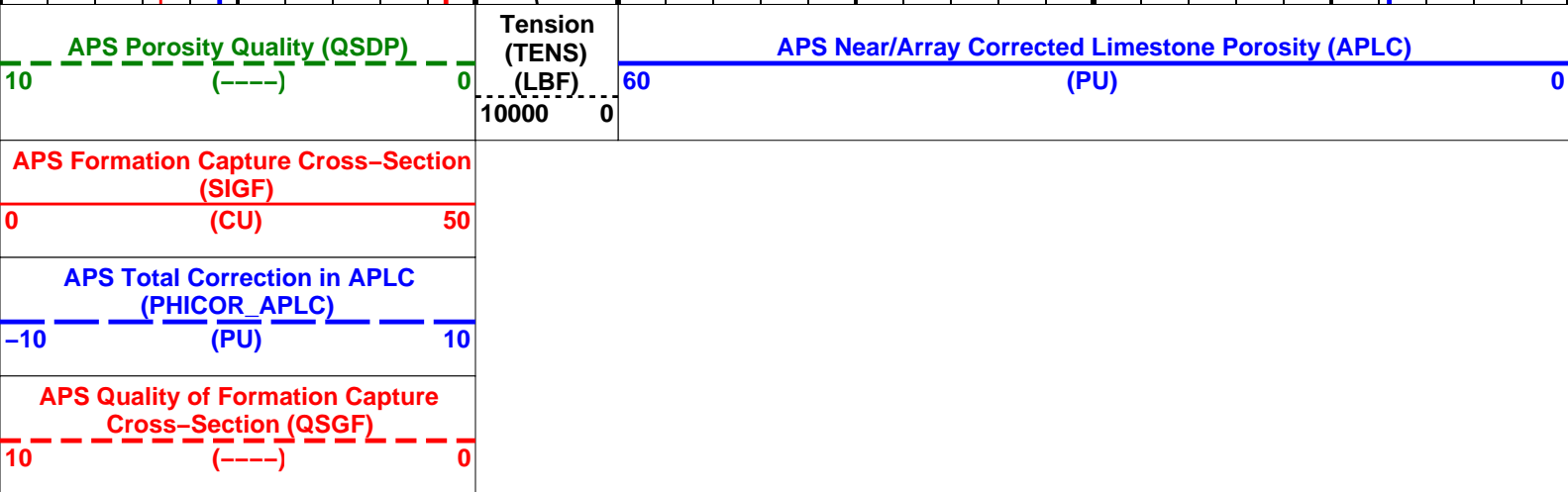
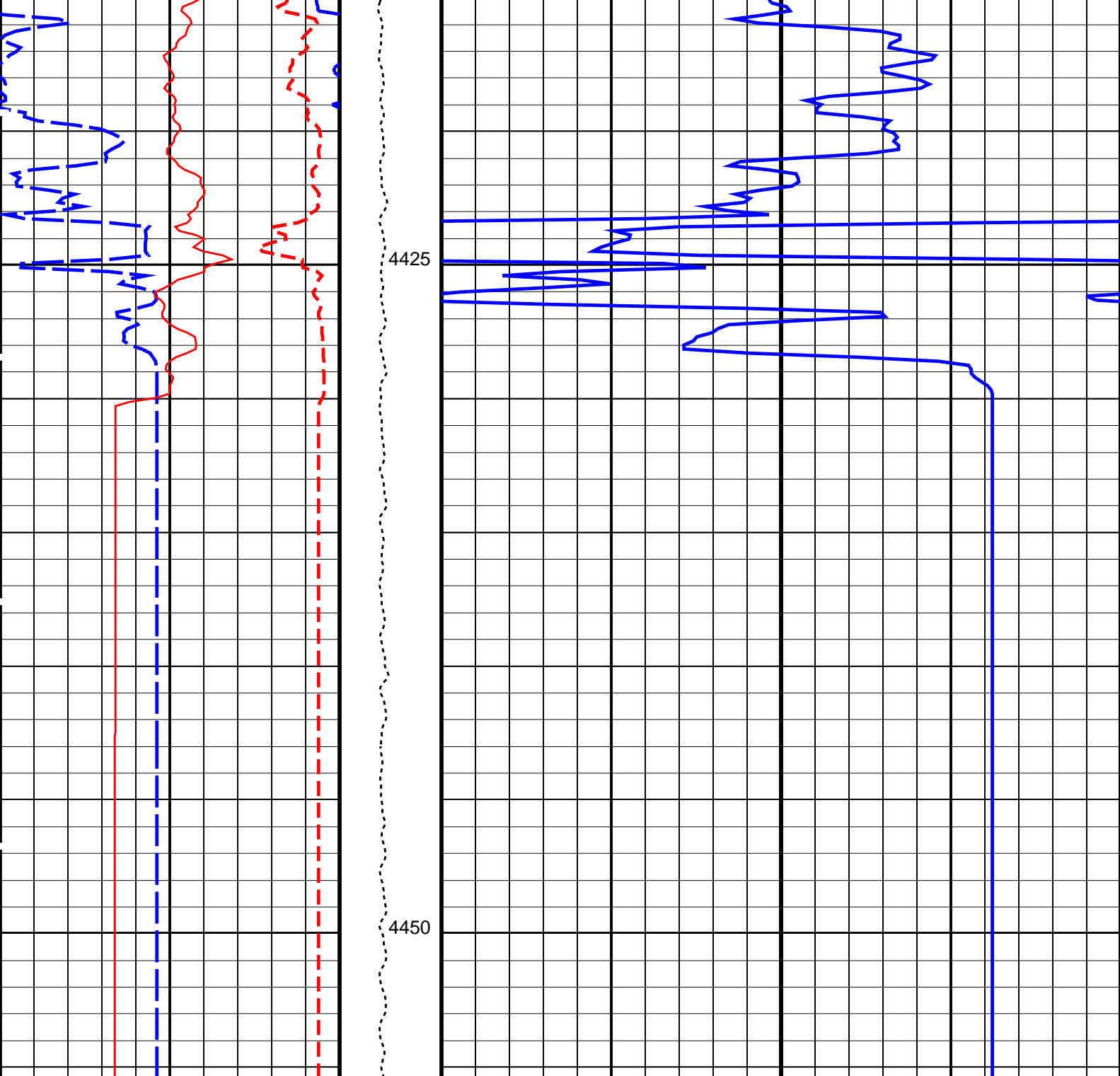
(SIGF)
0 (CU) 50

APS Porosity Quality (QSDP)
10 (----) 0

Tension
(TENS)
(LBF)
10000 0

APS Near/Array Corrected Limestone Porosity (APLC)
60 (PU) 0





PIP SUMMARY

Parameters

DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
HLDS: Hostile Litho-Density Sonde			
DPPM	Density Porosity Processing Mode	HIRS	
APS-C: Accelerator-Porosity Tool			
	APS Software Version	0	
AASD	APS Thermal and Array Detectors High Voltage Setting	1976.24	V
ADSO	APS Array Detectors Data Source Switch	Both	
AFSD	APS Far Detector High Voltage Setting	2067.55	V
AHCS	APS Holesize Correction Source	BS	
AHSS	APS Holesize Correction Switch	ON	
AMTY	APS Environmental Corrections Mud Type	WaterBaseBarite	
ANSD	APS Near Detector High Voltage Setting	1737.8	V
ASOS	APS Standoff Correction Switch	ON	
ATSS	APS Temperature-Pressure-Salinity Correction Switch	ON	
BHFL_APS	APS TNPH Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
BSCO_APS	APS TNPH Borehole Salinity Correction Option	YES	
DPPM	Density Porosity Processing Mode	HIRS	
DSCO_APS	APS TNPH Density Source Correction Option	COMPUTED	
FSAL	Formation Salinity	-50000	PPM
FSCO_APS	APS TNPH Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCO_APS	APS TNPH Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO_APS	APS TNPH Mud Cake Correction Option	YES	
MCOR_APS	APS TNPH Mud Correction	NATU	
MWCO_APS	APS TNPH Mud Weight Correction Option	YES	
NARC	APS Near/Array Calibration Ratio	1.08341	
NFRC	APS Near/Far Calibration Ratio	0.942369	
PTCO_APS	APS TNPH Pressure/Temperature Correction Option	YES	
SHT	Surface Hole Temperature	20	DEGC
TNCO_APS	APS TNPH Computation Option	NO	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
System and Miscellaneous			
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	38000.00	PPM
CSIZ	Current Casing Size	0.000	IN
CWEI	Casing Weight	0.00	LB/F
DO	Depth Offset for Playback	0.0	M
FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	23.00	DEGC
PP	Playback Processing	NORMAL	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
TD	Total Depth	10190.3	FT

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_012LUP	FN:11	PRODUCER	17-Jul-2022 04:10	4455.4 M	4364.7 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_041PUP	FN:35	PRODUCER	25-Jul-2022 01:36		
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Company: International Ocean Discovery Program

Well: Expedition 393, Site U1583F

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_012LUP	FN:11	PRODUCER	17-Jul-2022 04:10	4455.4 M	4364.7 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_041PUP	FN:35	PRODUCER	25-Jul-2022 01:36	4455.4 M	4364.7 M
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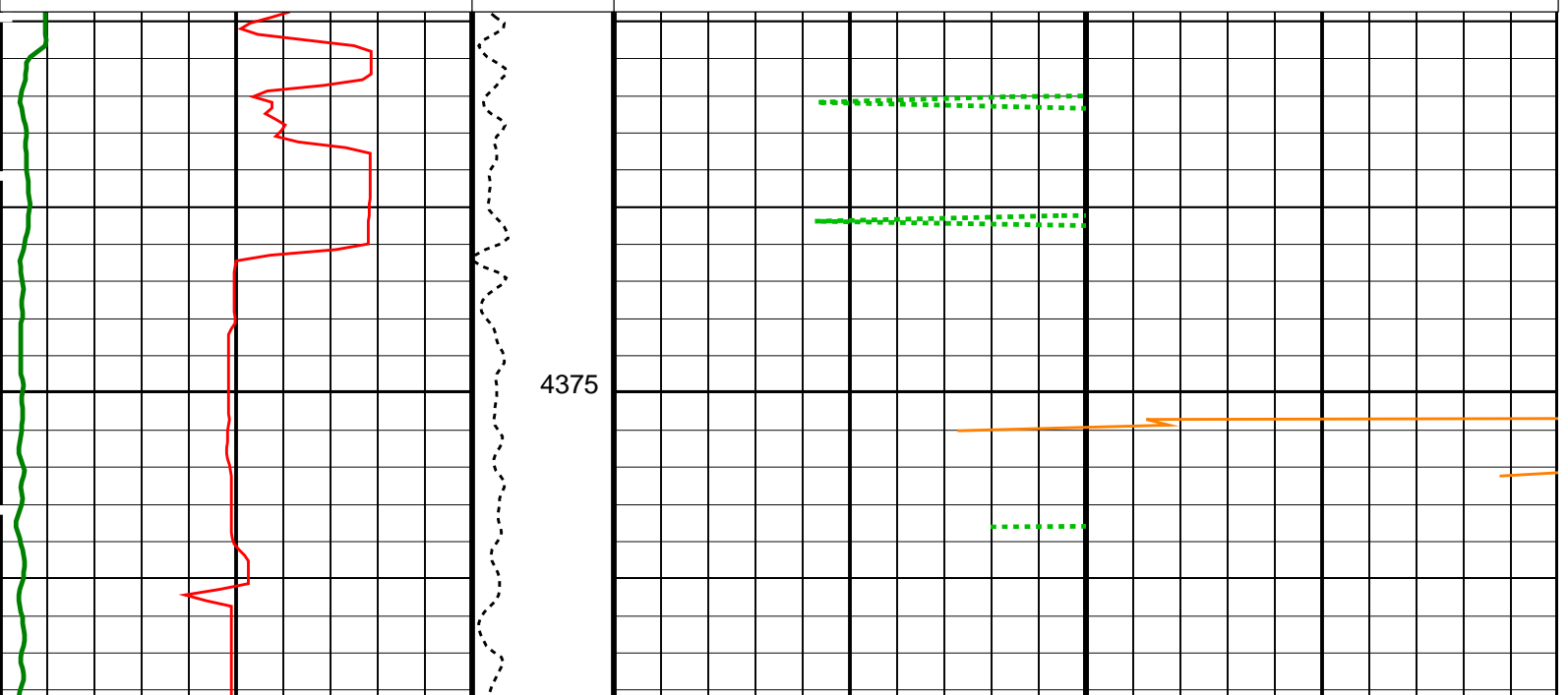
OP System Version: 19C0-187

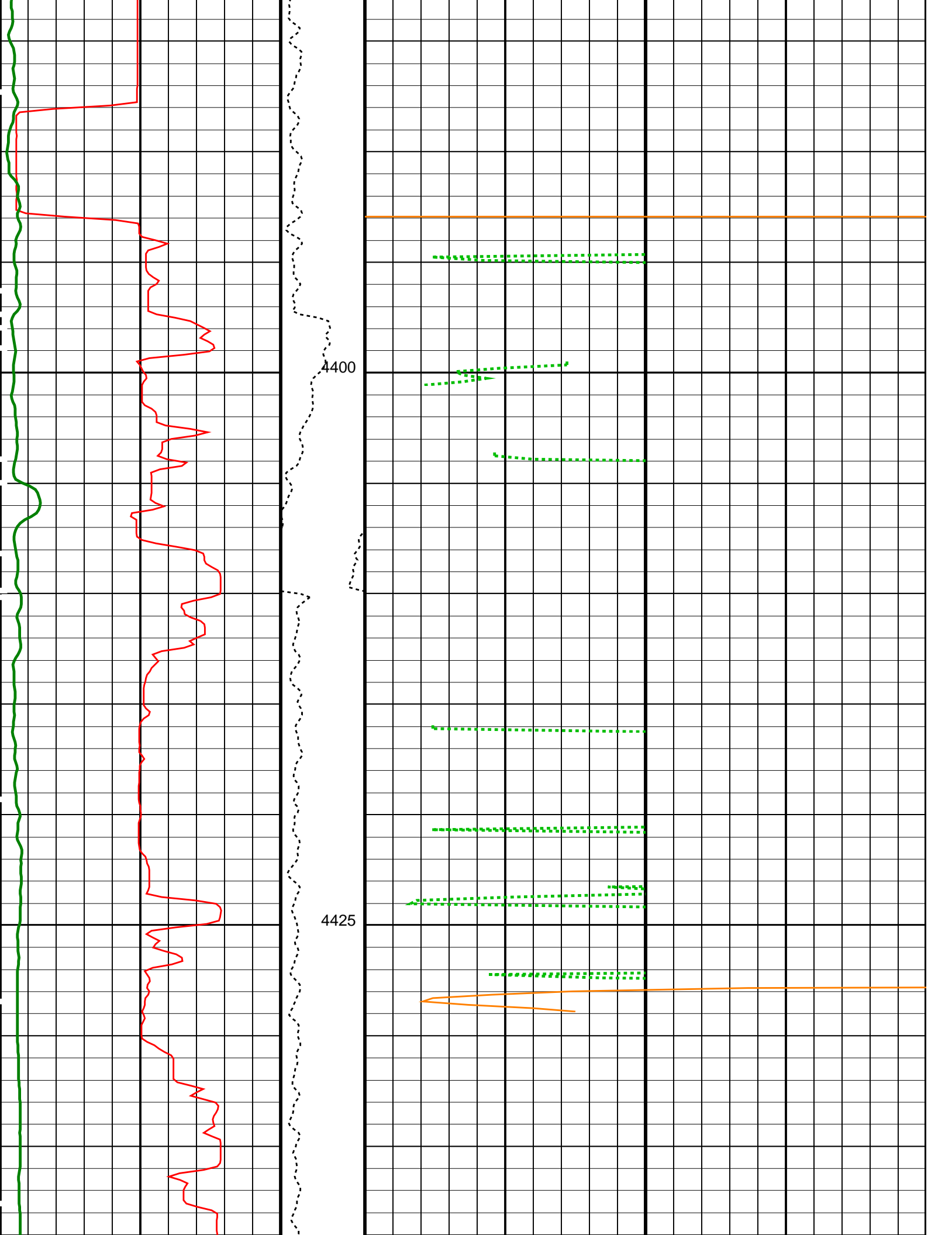
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

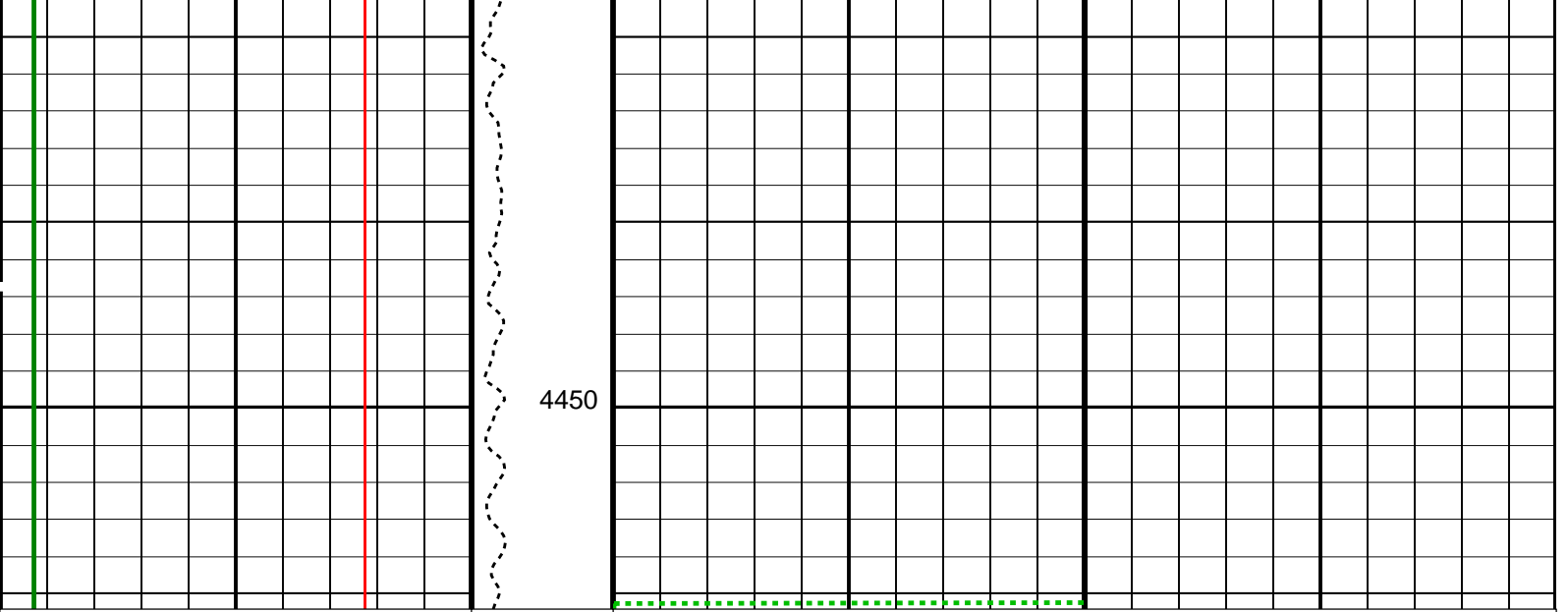
PIP SUMMARY

Time Mark Every 60 S

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







4450

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

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
HLDS: Hostile Litho-Density Sonde		
DHC	Density Hole Correction	BS
DPPM	Density Porosity Processing Mode	HIRS
FD	Fluid Density	1 G/C3
LATC	HLDS Activation Correction	ON
MDEN	Matrix Density	2.71 G/C3
APS-C: Accelerator-Porosity Tool		
	APS Software Version	0
BHS	Borehole Status	OPEN
DPPM	Density Porosity Processing Mode	HIRS
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	-0.00124408
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	20.2456
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	19.4799
EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN
DPPM	Density Porosity Processing Mode	HIRS

GCSE	System and Miscellaneous	Generalized Caliper Selection	BS
BS	Bit Size		9.875 IN
DO	Depth Offset for Playback		0.0 M
PP	Playback Processing		NORMAL

Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 25-Jul-2022 01:37

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_012LUP	FN:11	PRODUCER	17-Jul-2022 04:10	4455.4 M	4364.7 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_041PUP	FN:35	PRODUCER	25-Jul-2022 01:36		
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Company: International Ocean Discovery Program Well: Expedition 393, Site U1583F

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_012LUP	FN:11	PRODUCER	17-Jul-2022 04:10	4455.4 M	4364.7 M
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Output DLIS Files

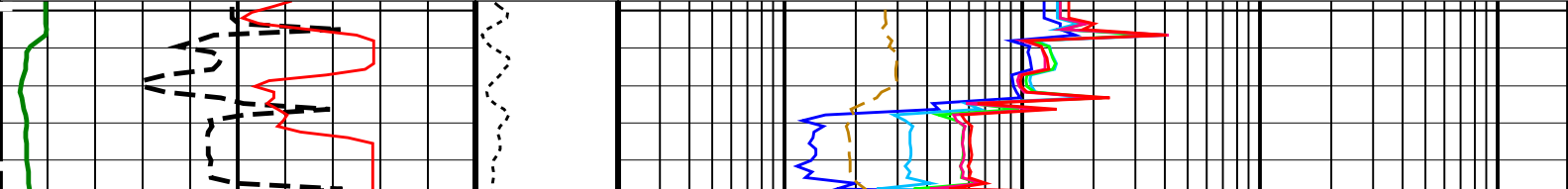
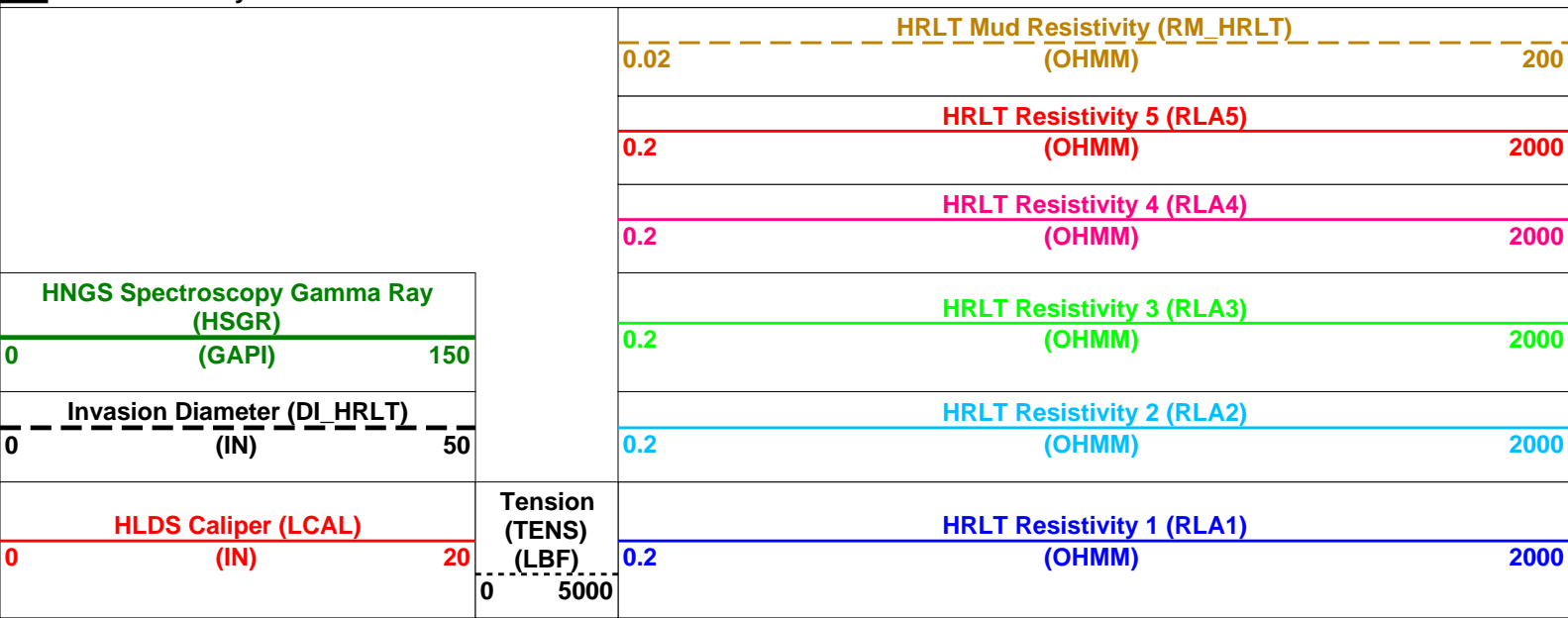
DEFAULT	HRLA_LDL_APS_NGS_041PUP	FN:35	PRODUCER	25-Jul-2022 01:36	4455.4 M	4364.7 M
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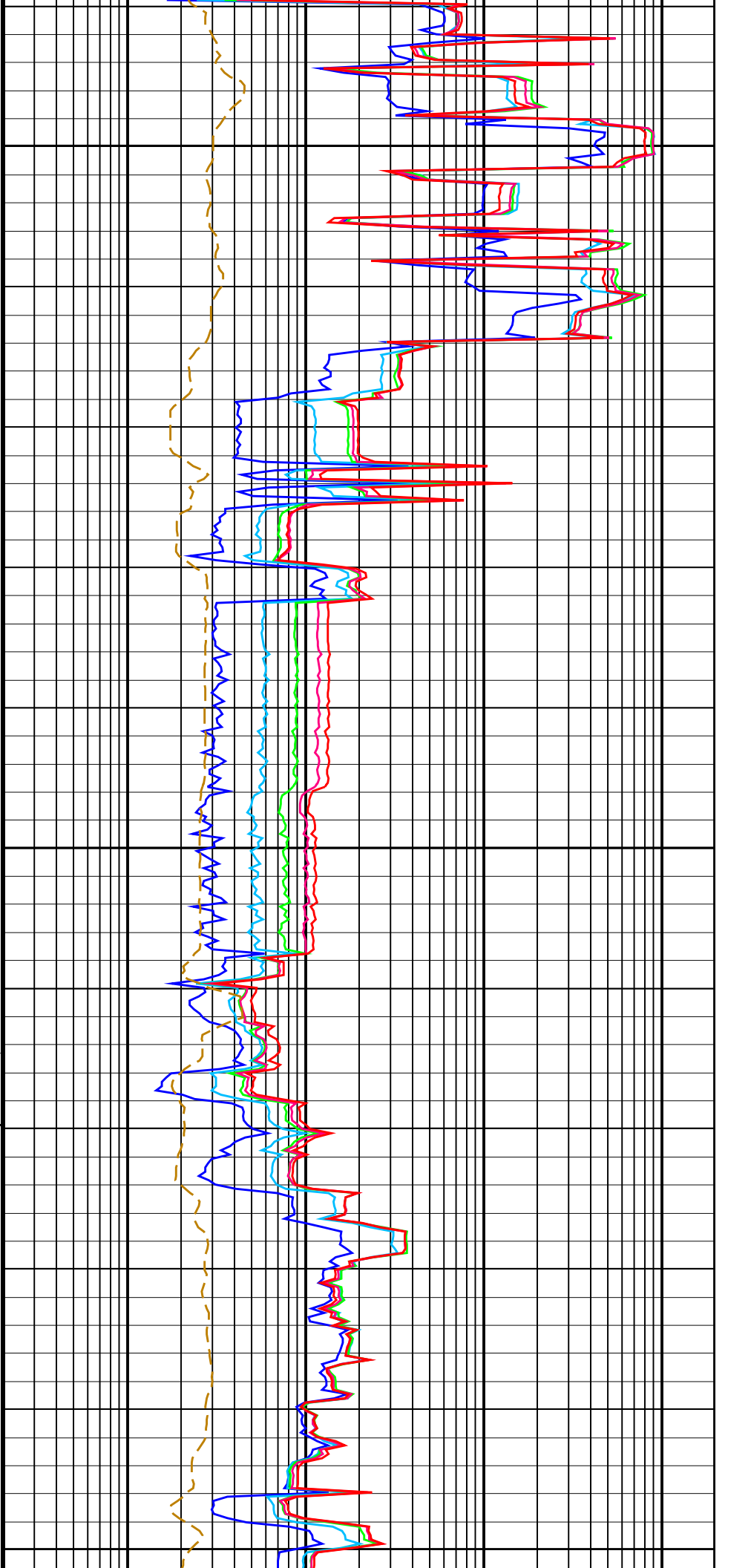
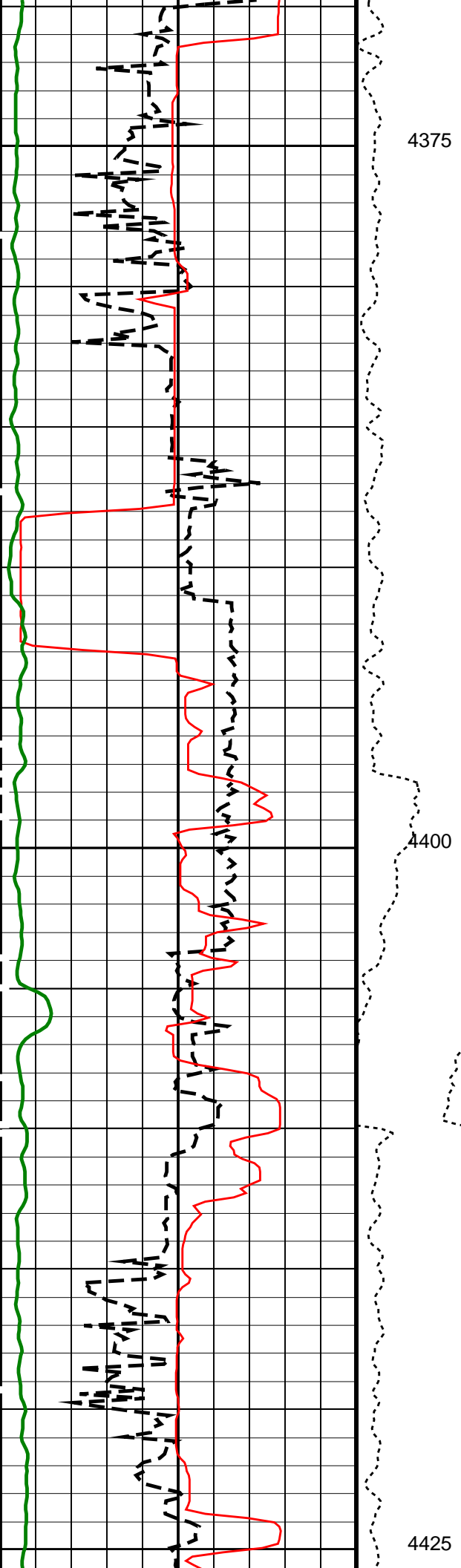
OP System Version: 19C0-187

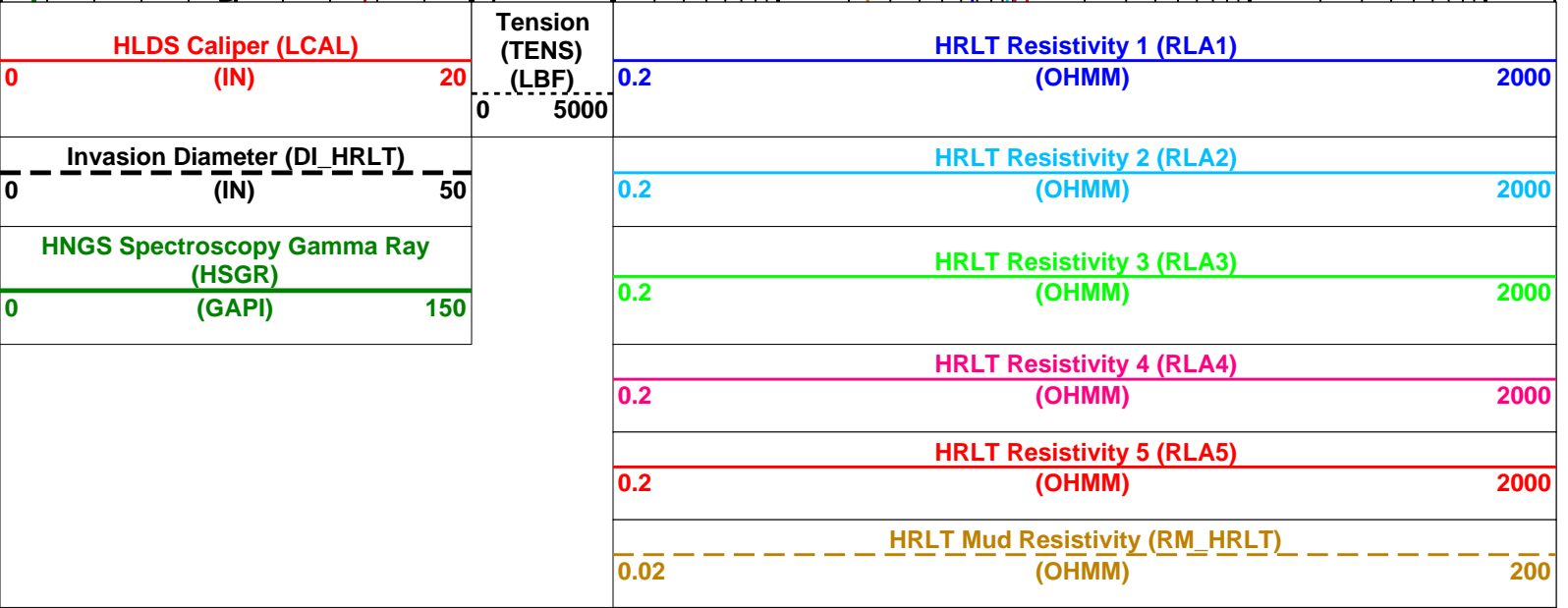
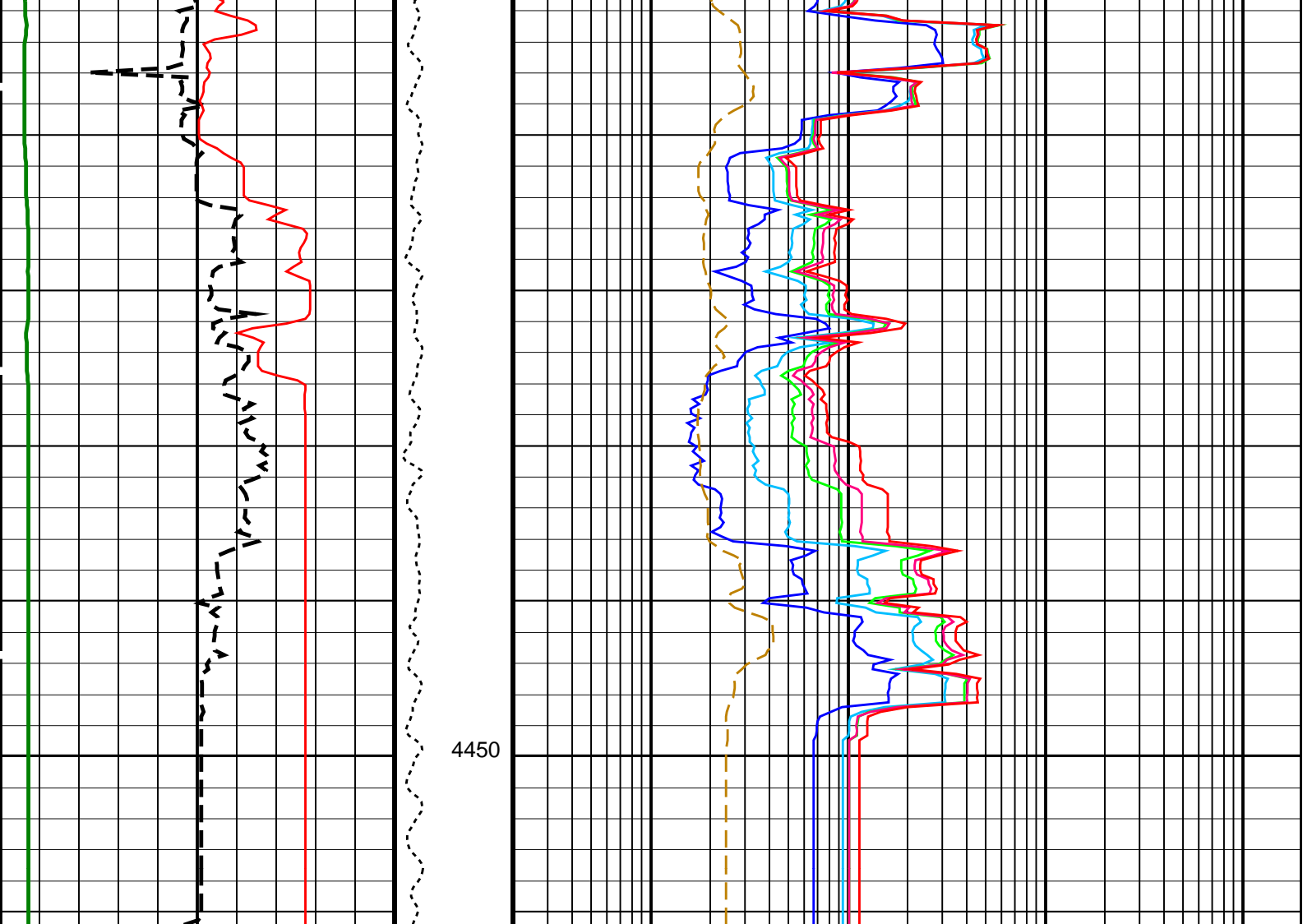
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LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

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
BHT	Bottom Hole Temperature (used in calculations)	20 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	Centered	
SHT	Surface Hole Temperature	20	DEGC
APS-C: Accelerator-Porosity Tool			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	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	
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)	20	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	-0.00124408	
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	20.2456	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	19.4799	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	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	
SHT	Surface Hole Temperature	20	DEGC
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
MST	Mud Sample Temperature	23.00	DEGC
PP	Playback Processing	NORMAL	
TD	Total Depth	10190.3	FT

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 25-Jul-2022 01:37

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_012LUP	FN:11	PRODUCER	17-Jul-2022 04:10	4455.4 M	4364.7 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_041PUP	FN:35	PRODUCER	25-Jul-2022 01:36		
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Company: International Ocean Discovery Program Well: Expedition 393, Site U1558D

Input DLIS Files

DEFAULT HRLA_LDL_APS_NGS_013LUP FN:12 PRODUCER 17-Jul-2022 05:56 4400.5 M 4175.7 M

Output DLIS Files

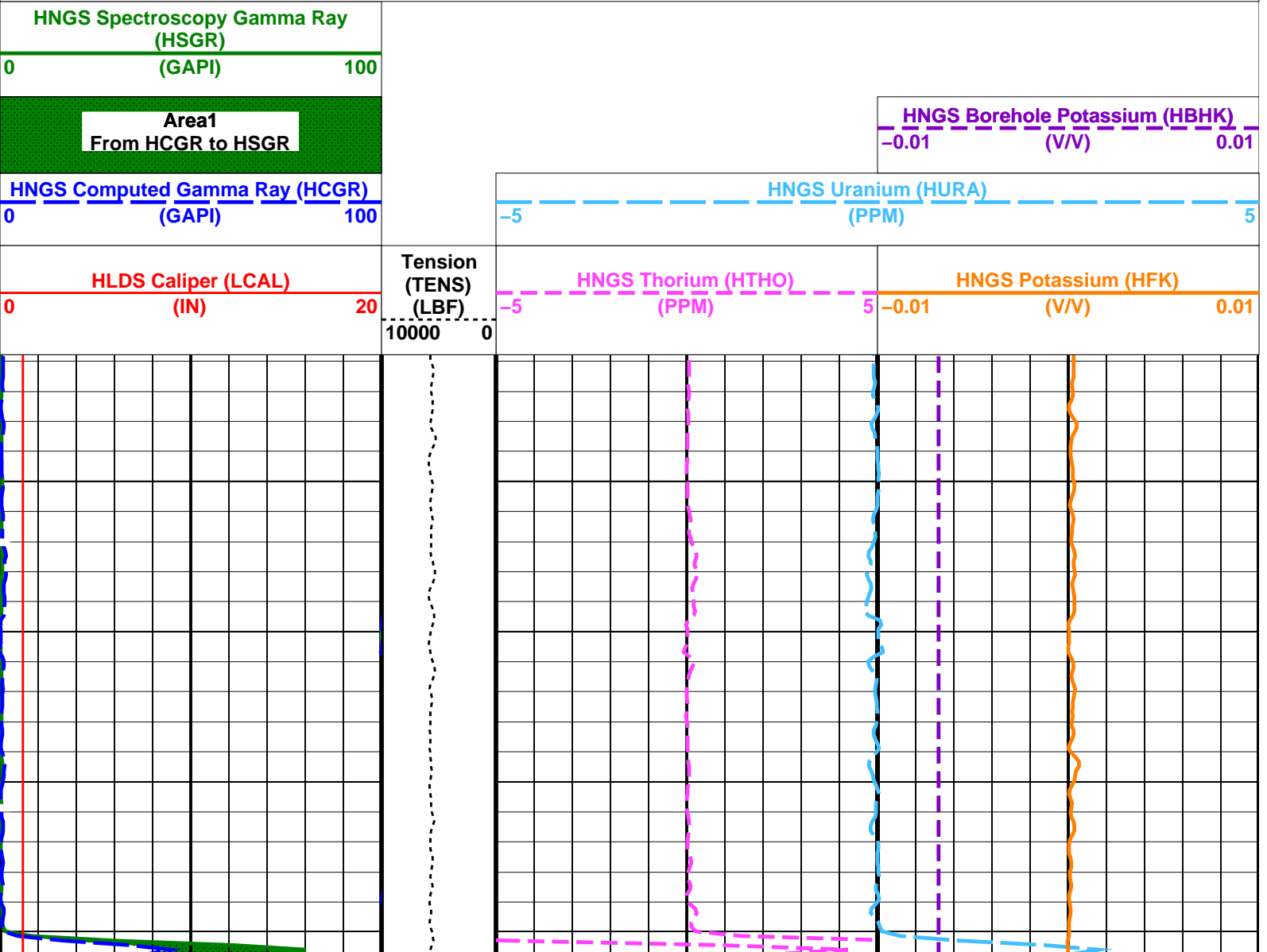
DEFAULT HRLA_LDL_APS_NGS_044PUP FN:38 PRODUCER 25-Jul-2022 02:27 4400.5 M 4175.8 M

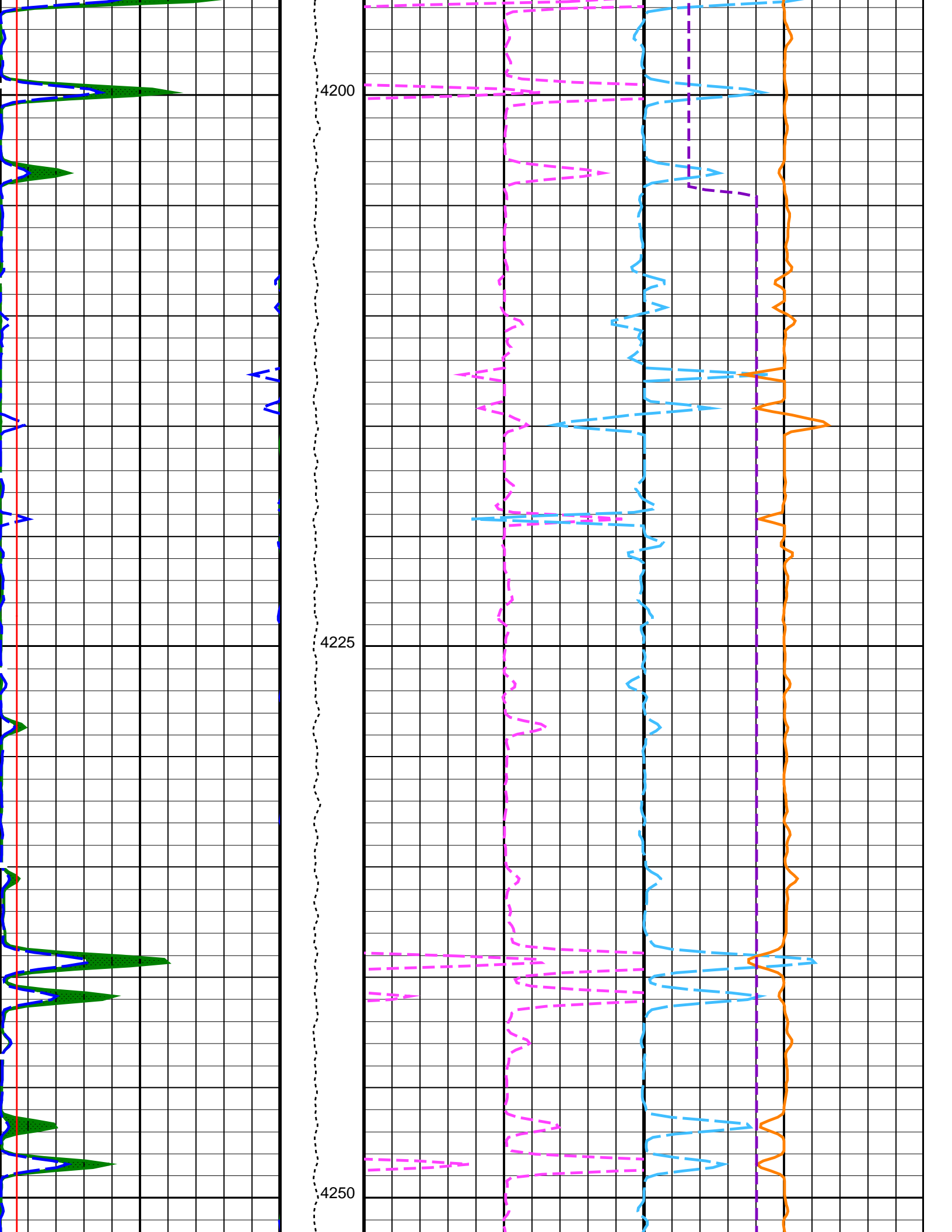
OP System Version: 19C0-187

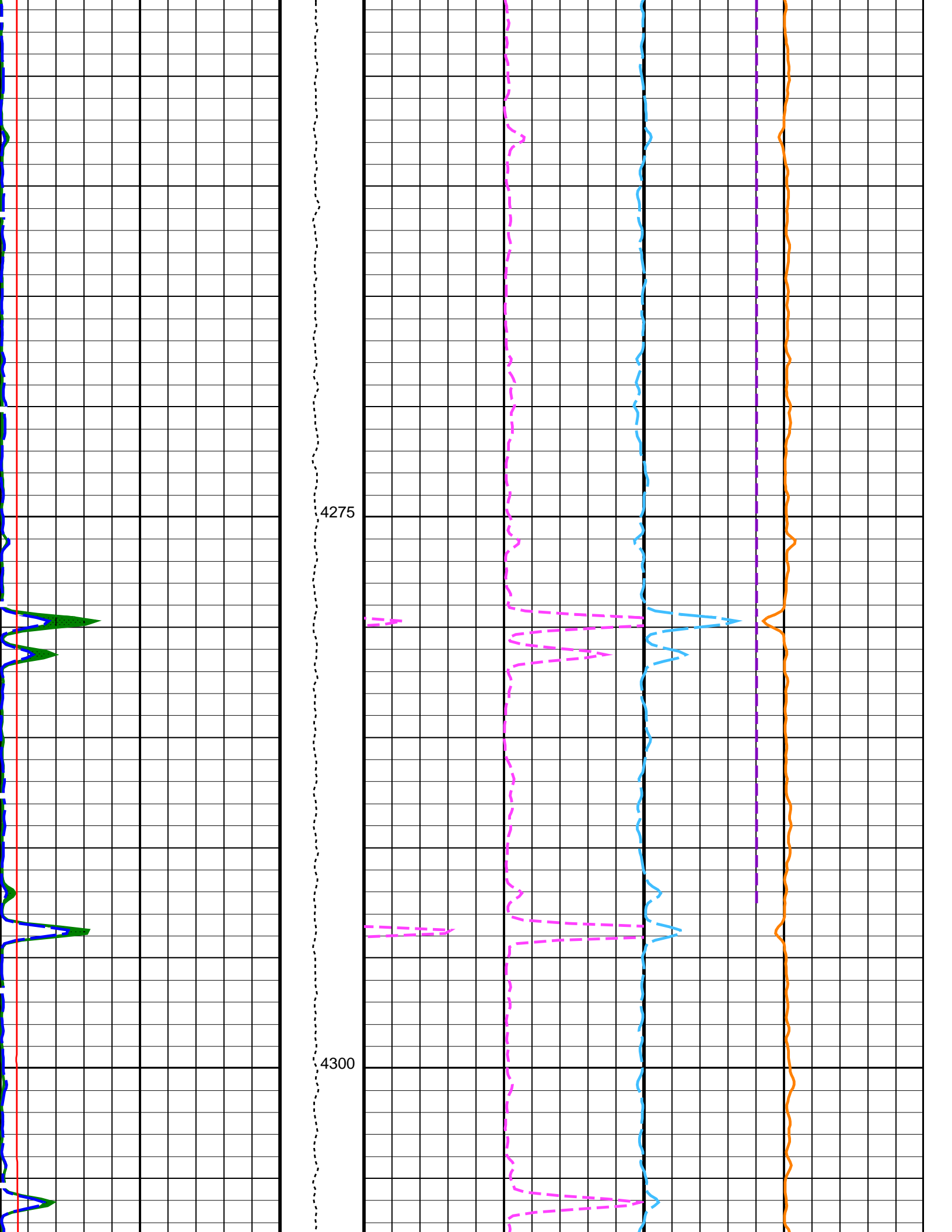
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LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

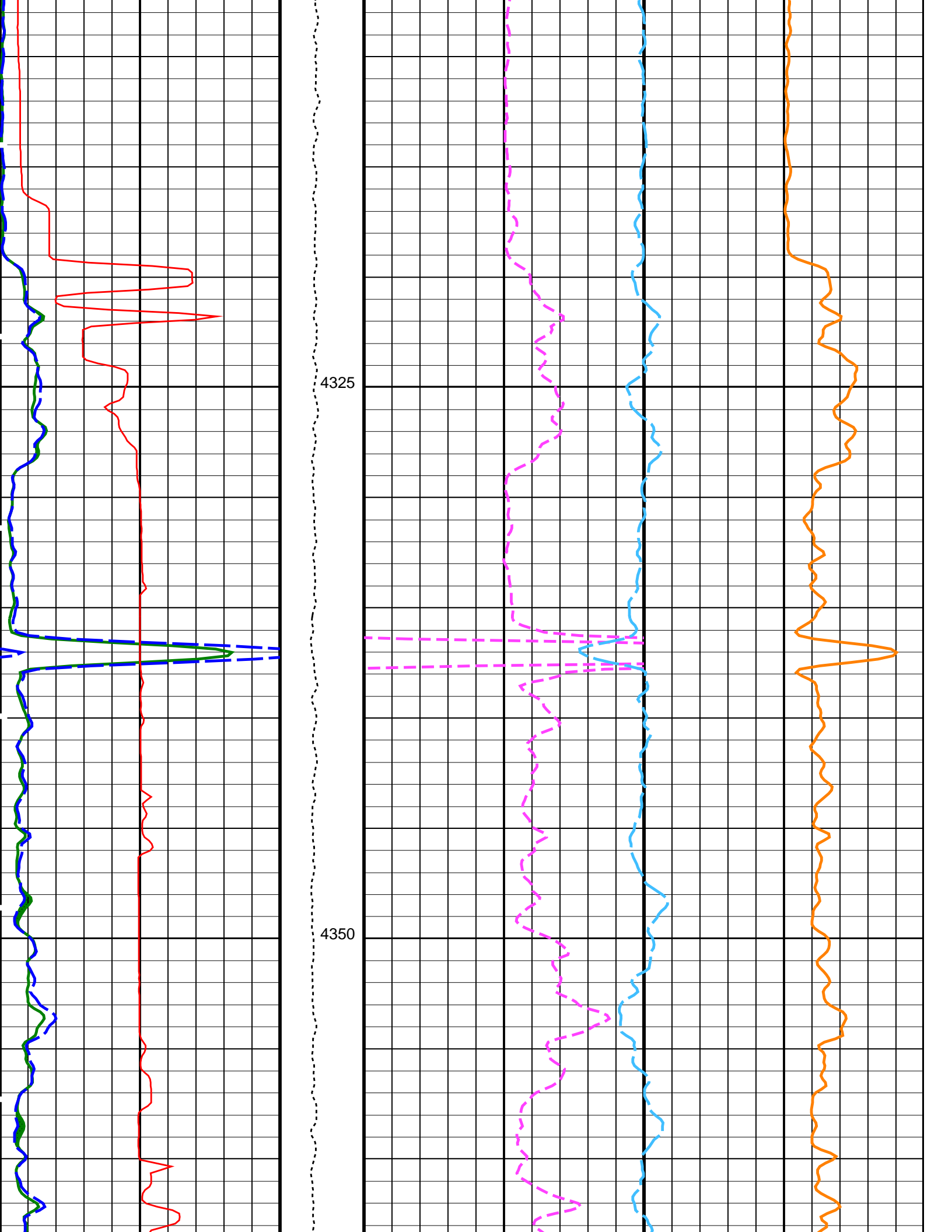
PIP SUMMARY

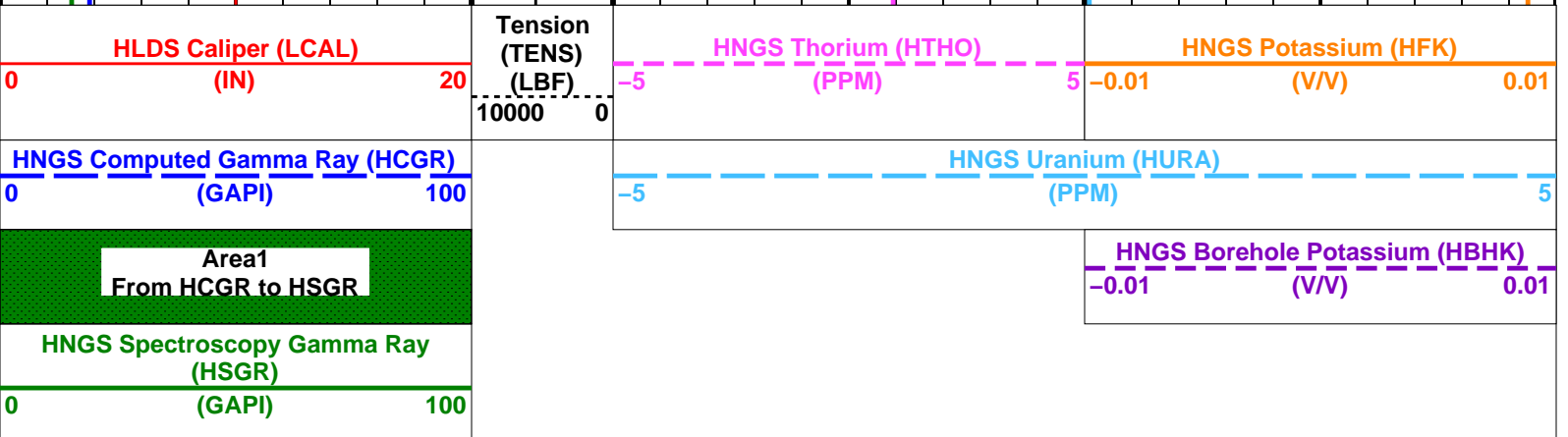
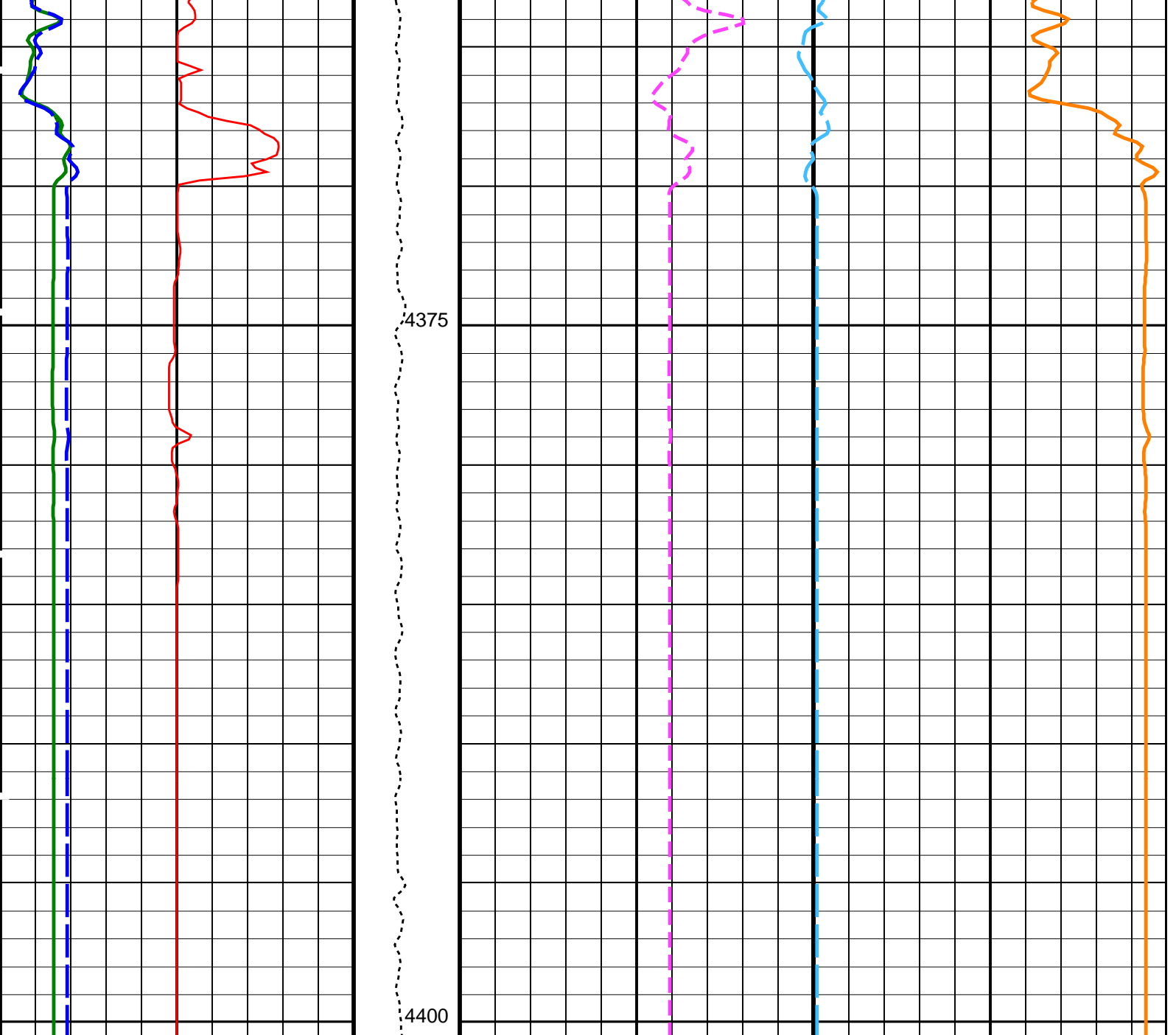
Time Mark Every 60 S











PIP SUMMARY

Time Mark Every 60 S

Parameters

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

DRC	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
	APS-C: Accelerator-Porosity Tool		
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	-0.00103029	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.1054	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.0842659	
	EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 25-Jul-2022 02:27

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_013LUP	FN:12	PRODUCER	17-Jul-2022 05:56	4400.5 M	4175.7 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_044PUP	FN:38	PRODUCER	25-Jul-2022 02:27		
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Company: International Ocean Discovery Program Well: Expedition 393, Site U1558D

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_013LUP	FN:12	PRODUCER	17-Jul-2022 05:56	4400.5 M	4175.7 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_044PUP	FN:38	PRODUCER	25-Jul-2022 02:27	4400.5 M	4175.8 M
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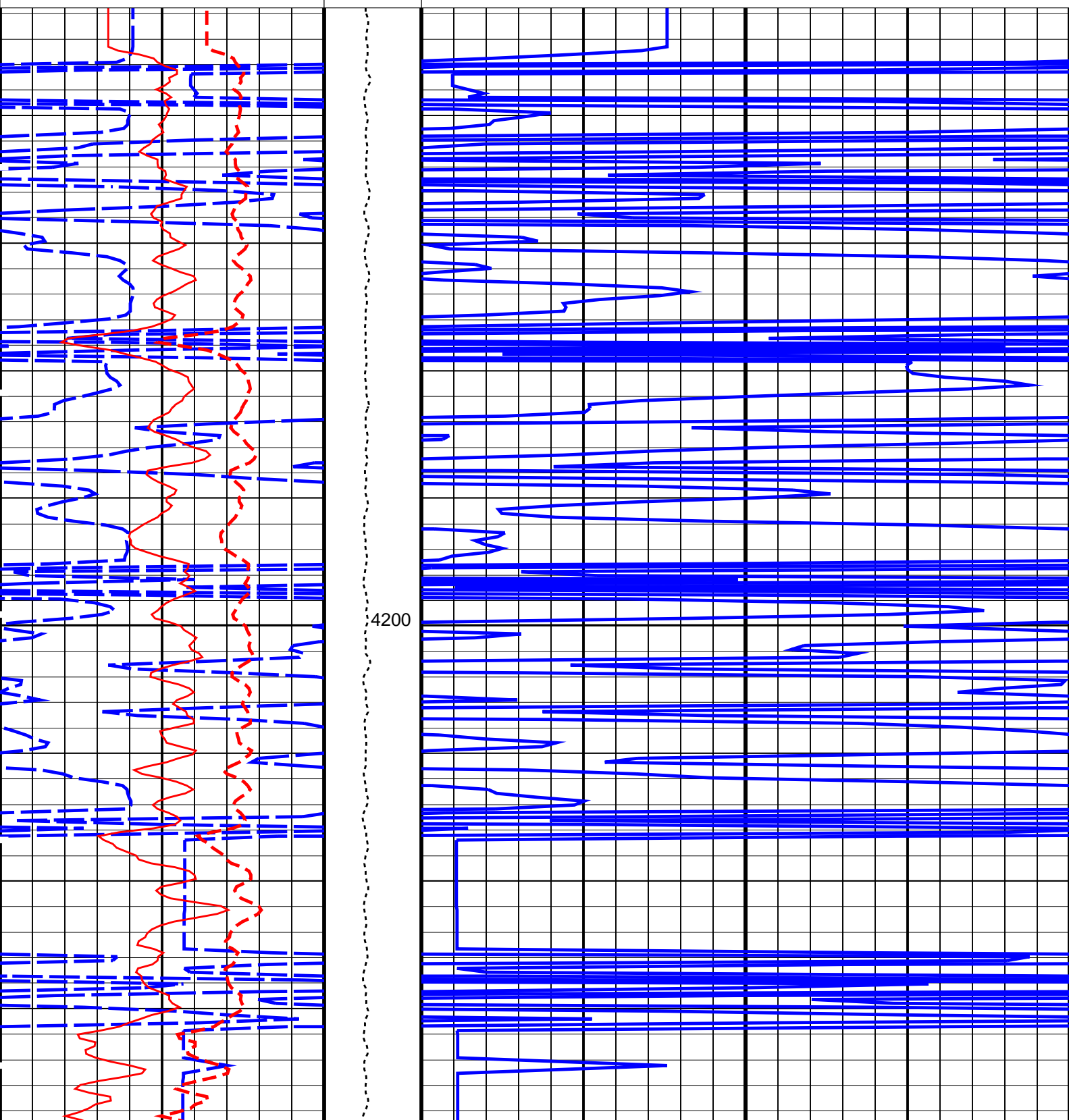
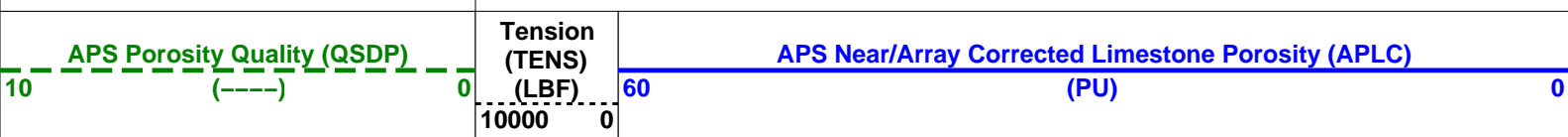
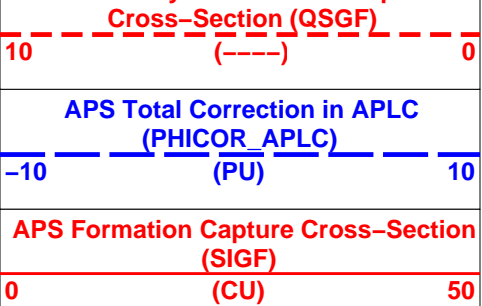
OP System Version: 19C0-187

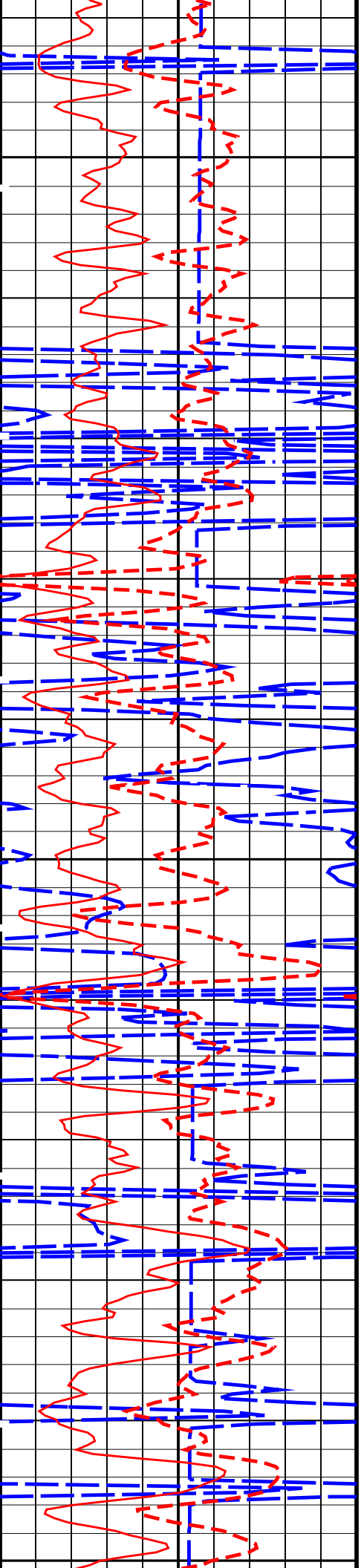
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LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S

APS Quality of Formation Capture

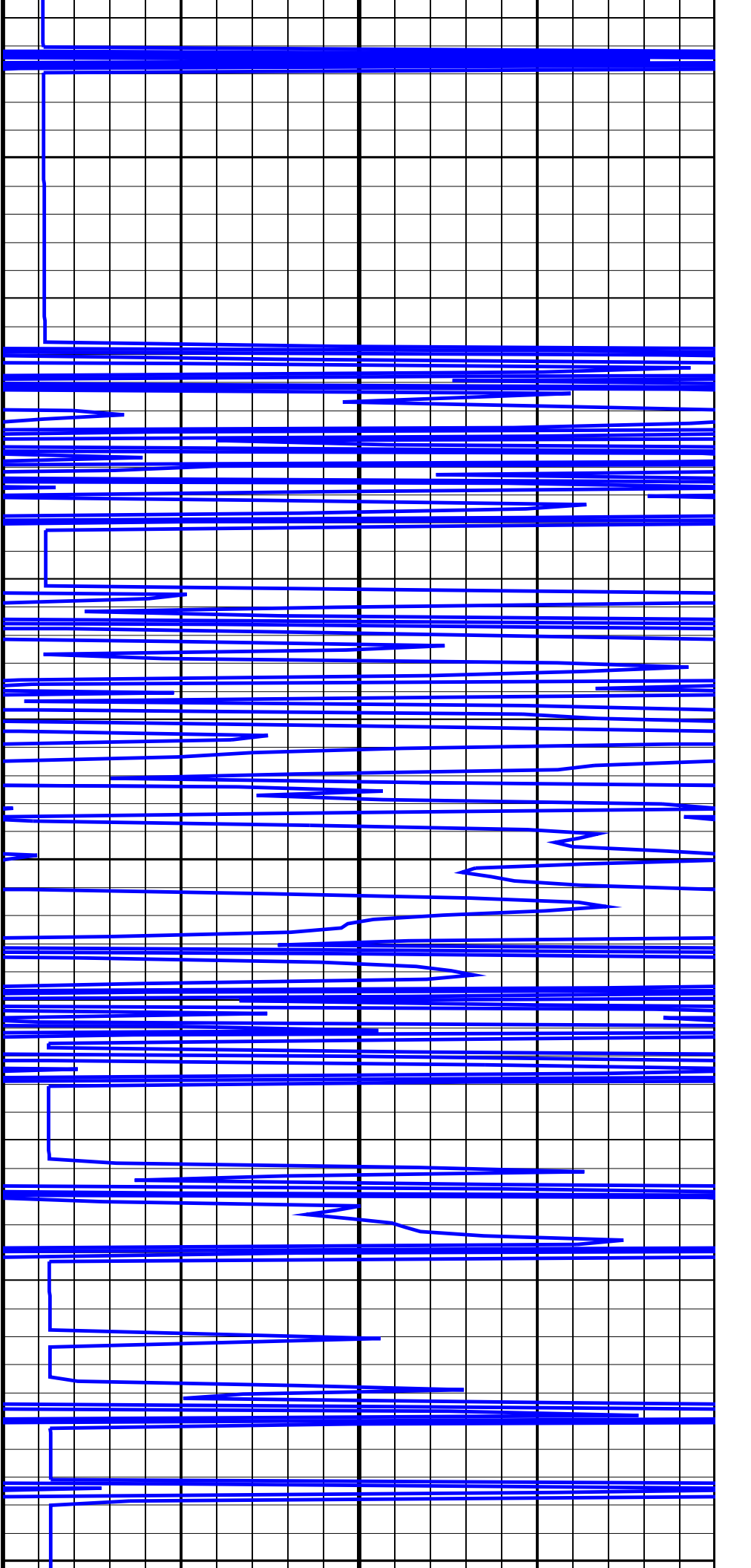


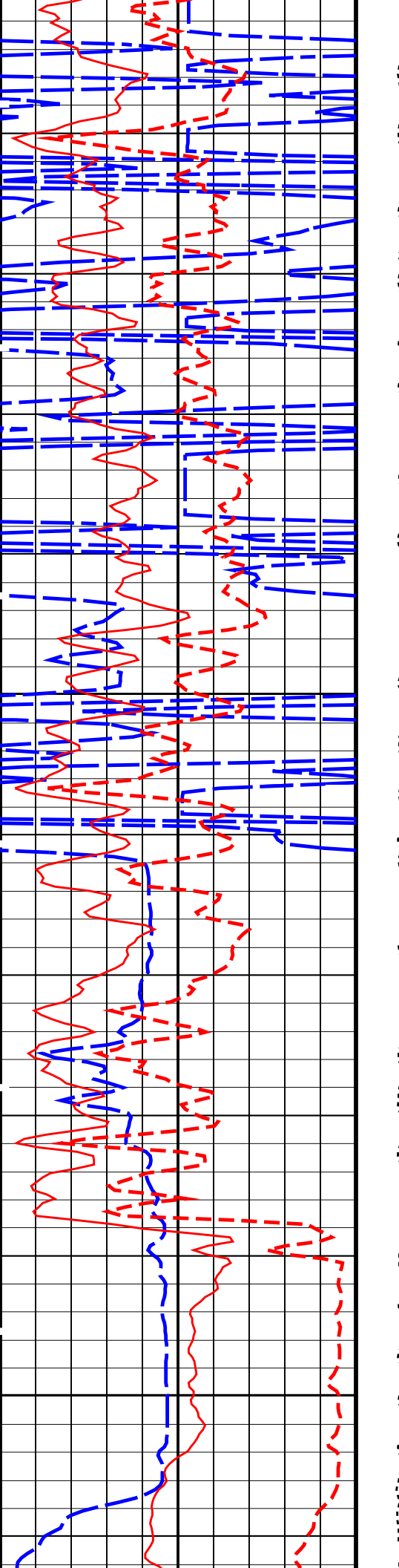


4225

4250

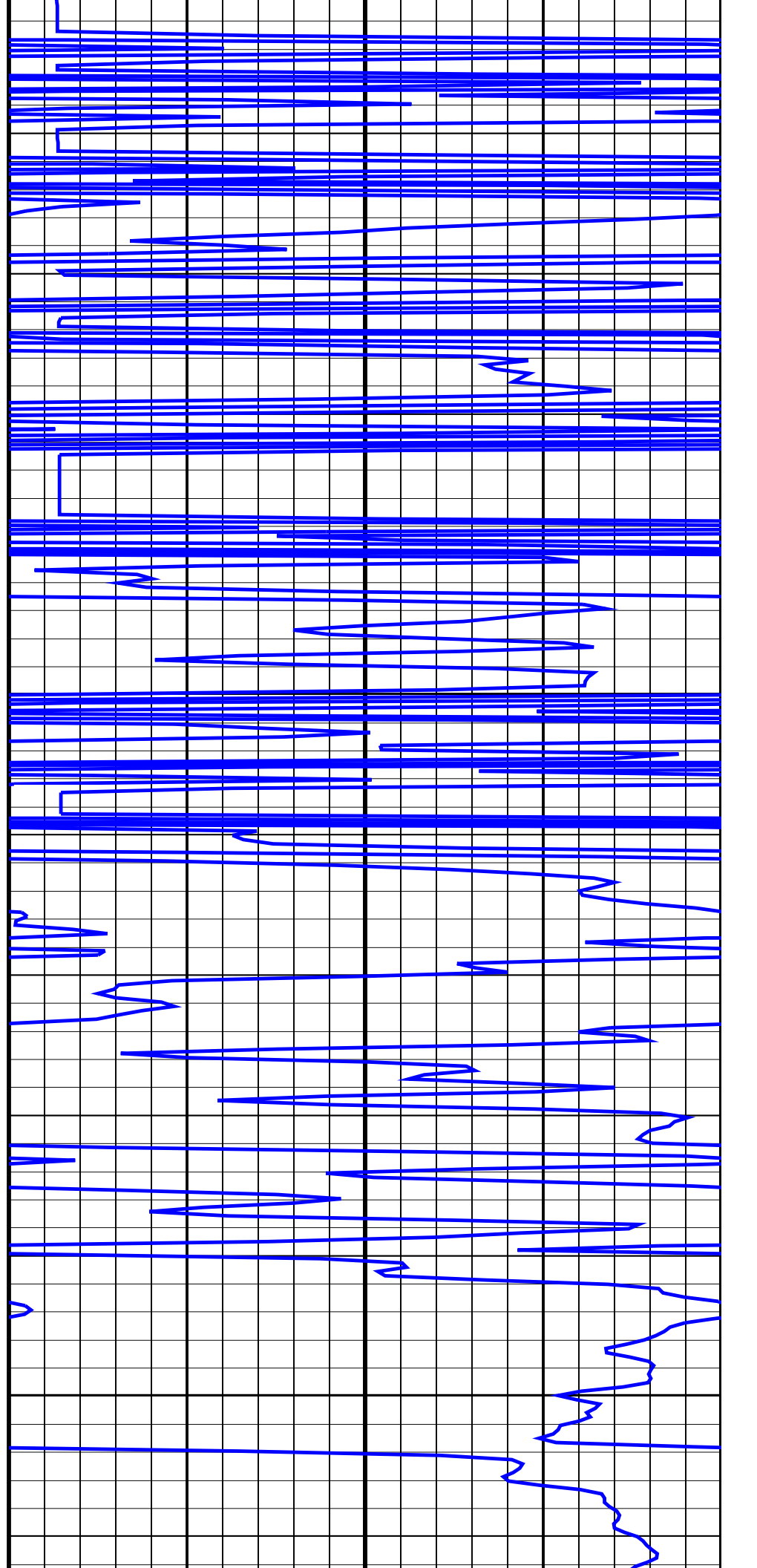
4275

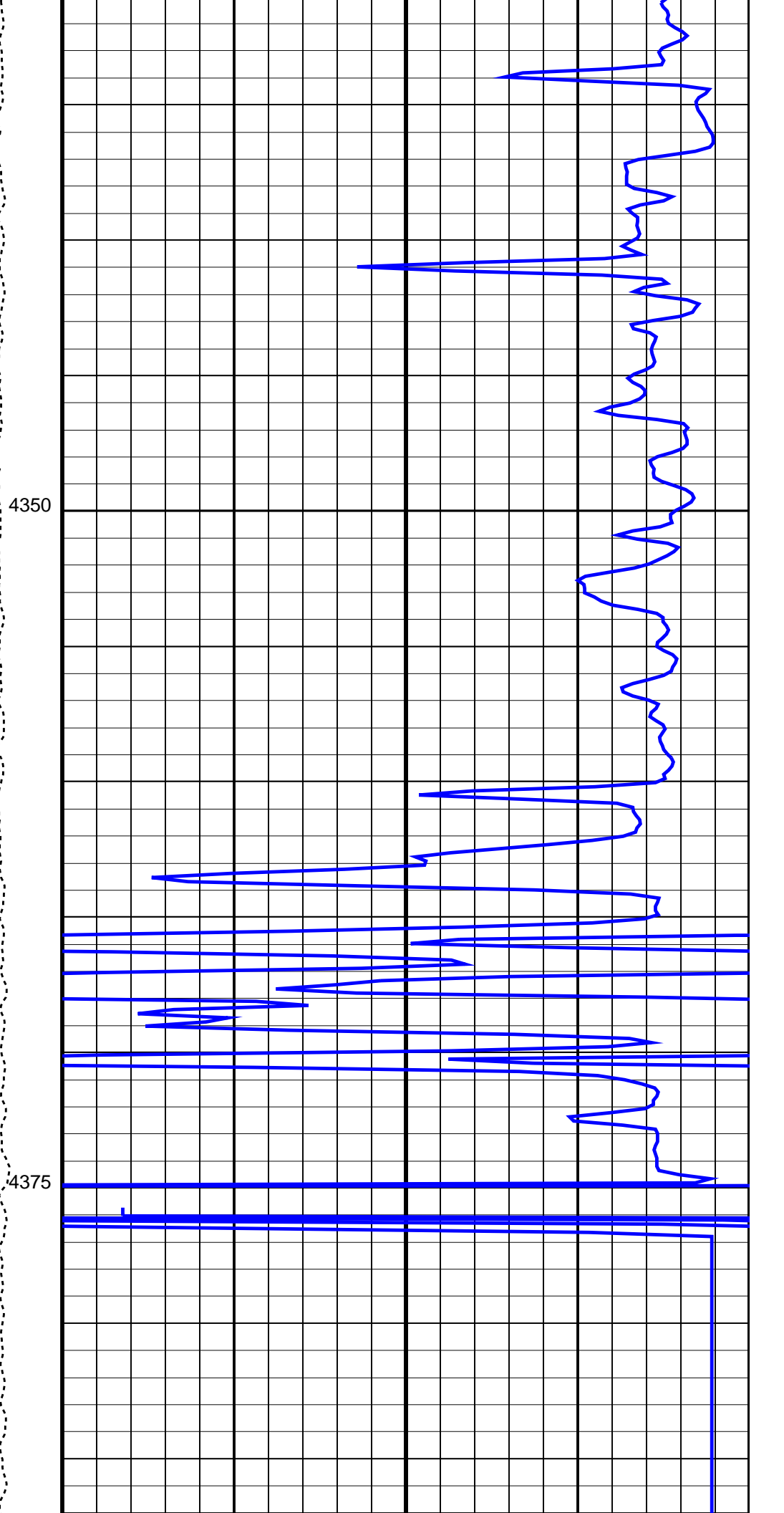
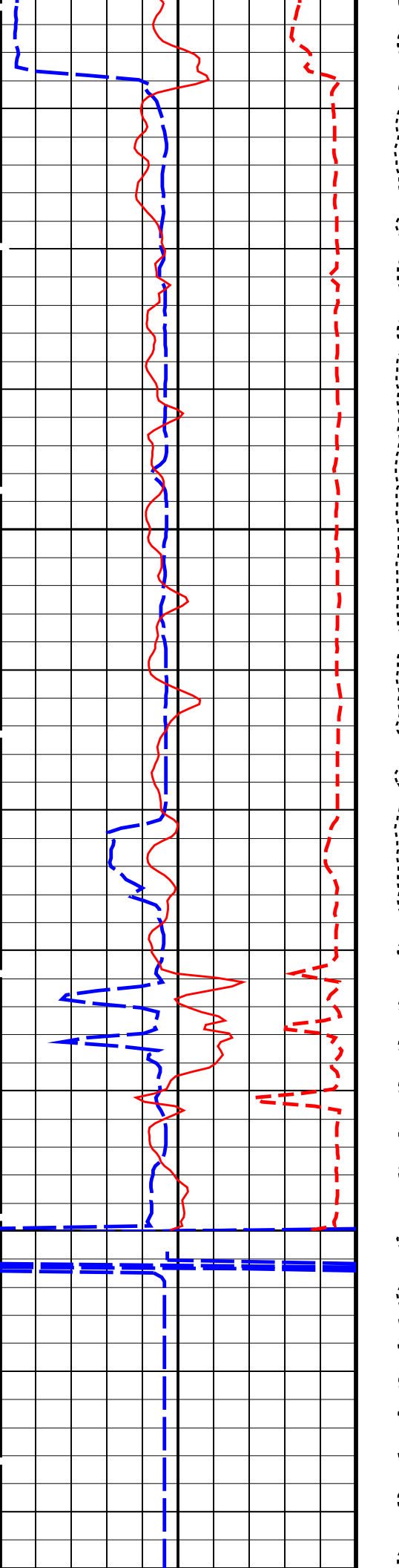


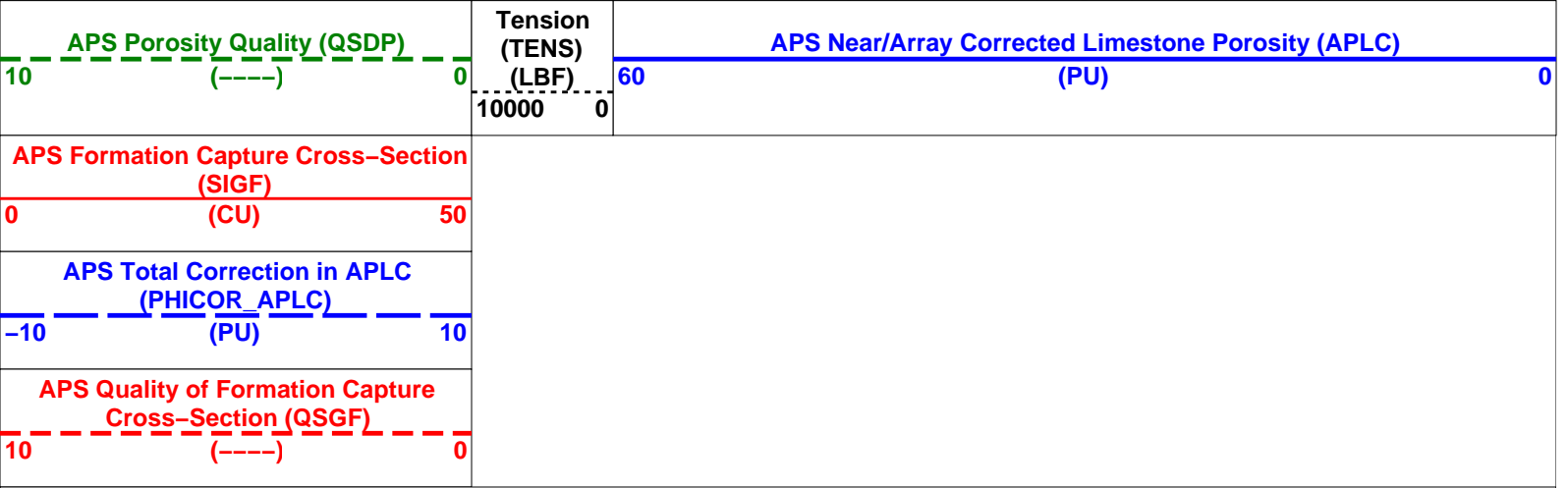
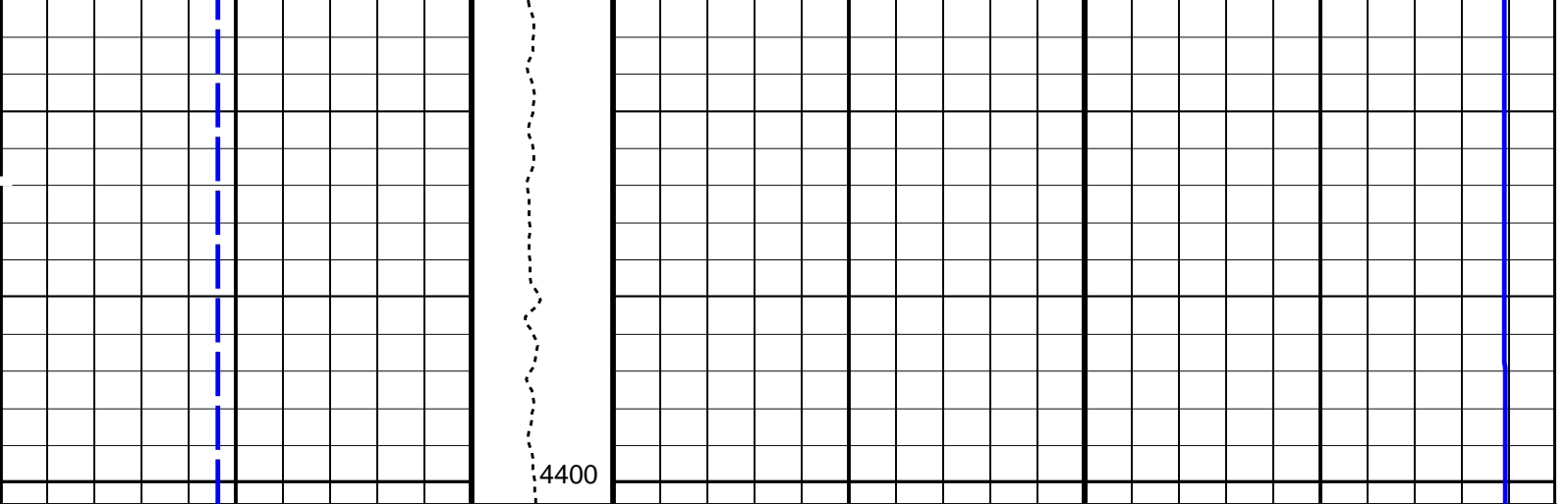


4300

4325







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)	20	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
	HLDS: Hostile Litho-Density Sonde		
DPPM	Density Porosity Processing Mode	HIRS	
	APS-C: Accelerator-Porosity Tool		
	APS Software Version	0	
AASD	APS Thermal and Array Detectors High Voltage Setting	1976.24	V
ADSO	APS Array Detectors Data Source Switch	Both	
AFSD	APS Far Detector High Voltage Setting	2067.55	V
AHCS	APS Holesize Correction Source	BS	
AHSS	APS Holesize Correction Switch	ON	
AMTY	APS Environmental Corrections Mud Type	WaterBaseBarite	
ANSD	APS Near Detector High Voltage Setting	1737.8	V
ASOS	APS Standoff Correction Switch	ON	
ATSS	APS Temperature-Pressure-Salinity Correction Switch	ON	
BHFL_APS	APS TNPH Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC
BSCO_APS	APS TNPH Borehole Salinity Correction Option	YES	
DPPM	Density Porosity Processing Mode	HIRS	
DSCO_APS	APS TNPH Density Source Correction Option	COMPUTED	
FSAL	Formation Salinity	-50000	PPM
FSCO_APS	APS TNPH Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	

GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	YES	
HSCO_APS	APS TNPH Hole Size Correction Option			
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE		
MCCO_APS	APS TNPH Mud Cake Correction Option		YES	
MCOR_APS	APS TNPH Mud Correction		NATU	
MWCO_APS	APS TNPH Mud Weight Correction Option		YES	
NARC	APS Near/Array Calibration Ratio		1.08341	
NFRC	APS Near/Far Calibration Ratio		0.942369	
PTCO_APS	APS TNPH Pressure/Temperature Correction Option		YES	
SHT	Surface Hole Temperature		20	DEGC
TNCO_APS	APS TNPH Computation Option		NO	
HNGS-BA: Hostile Natural Gamma Ray Sonde				
BHS	Borehole Status		OPEN	
BHT	Bottom Hole Temperature (used in calculations)		20	DEGC
GCSE	Generalized Caliper Selection		LCAL	
GDEV	Average Angular Deviation of Borehole from Normal		0	DEG
GGRD	Geothermal Gradient		0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection		CHART_GEN 9	
GTSE	Generalized Temperature Selection		LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections		LIMESTONE	
SHT	Surface Hole Temperature		20	DEGC
EDTC-B: Enhanced DTS Cartridge				
BHS	Borehole Status		OPEN	
BHT	Bottom Hole Temperature (used in calculations)		20	DEGC
DPPM	Density Porosity Processing Mode		HIRS	
FSAL	Formation Salinity		-50000	PPM
GCSE	Generalized Caliper Selection		LCAL	
GDEV	Average Angular Deviation of Borehole from Normal		0	DEG
GGRD	Geothermal Gradient		0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection		CHART_GEN 9	
GTSE	Generalized Temperature Selection		LINEAR_ESTIMATE	
MATR	Rock Matrix for Neutron Porosity Corrections		LIMESTONE	
SHT	Surface Hole Temperature		20	DEGC
System and Miscellaneous				
BS	Bit Size		9.875	IN
BSAL	Borehole Salinity		38000.00	PPM
CWEI	Casing Weight		55.40	LB/F
DFD	Drilling Fluid Density		1.03	G/C3
DO	Depth Offset for Playback		0.0	M
FLEV	Fluid Level		-50000.00	M
MST	Mud Sample Temperature		23.00	DEGC
PP	Playback Processing		NORMAL	
RMFS	Resistivity of Mud Filtrate Sample		-50000.0000	OHMM
TD	Total Depth		10190.3	FT

Format: APSLiquidPorosity Vertical Scale: 1:200 Graphics File Created: 25-Jul-2022 02:27

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_013LUP	FN:12	PRODUCER	17-Jul-2022 05:56	4400.5 M	4175.7 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_044PUP	FN:38	PRODUCER	25-Jul-2022 02:27		
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Company: International Ocean Discovery Program Well: Expedition 393, Site U1558D

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_013LUP	FN:12	PRODUCER	17-Jul-2022 05:56	4400.5 M	4175.7 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_044PUP	FN:38	PRODUCER	25-Jul-2022 02:27	4400.5 M	4175.8 M
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OP System Version: 19C0-187

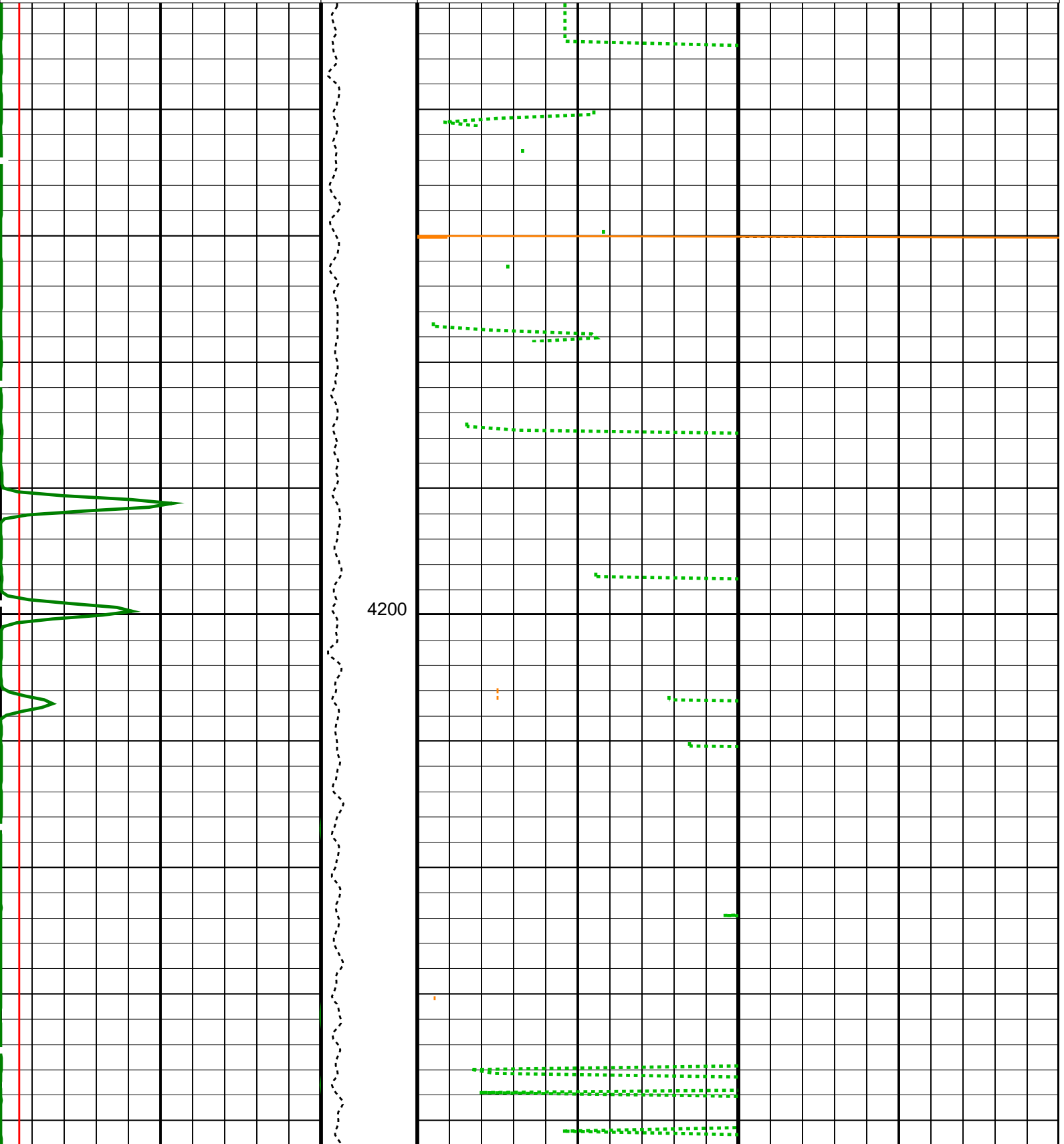
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LDSC-B	19C0-187	APS-C	19C0-187

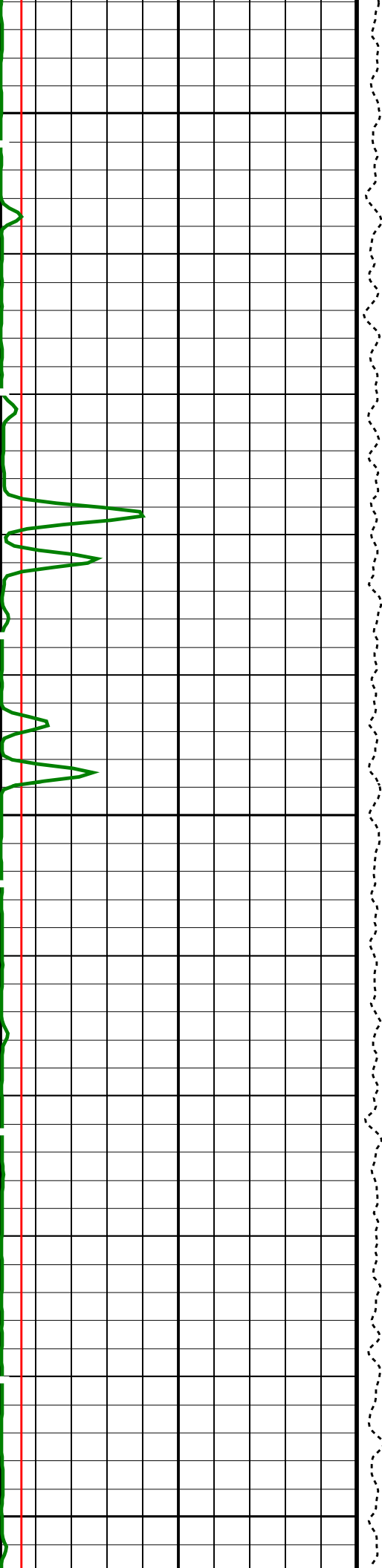
PIP SUMMARY

Time Mark Every 60 S

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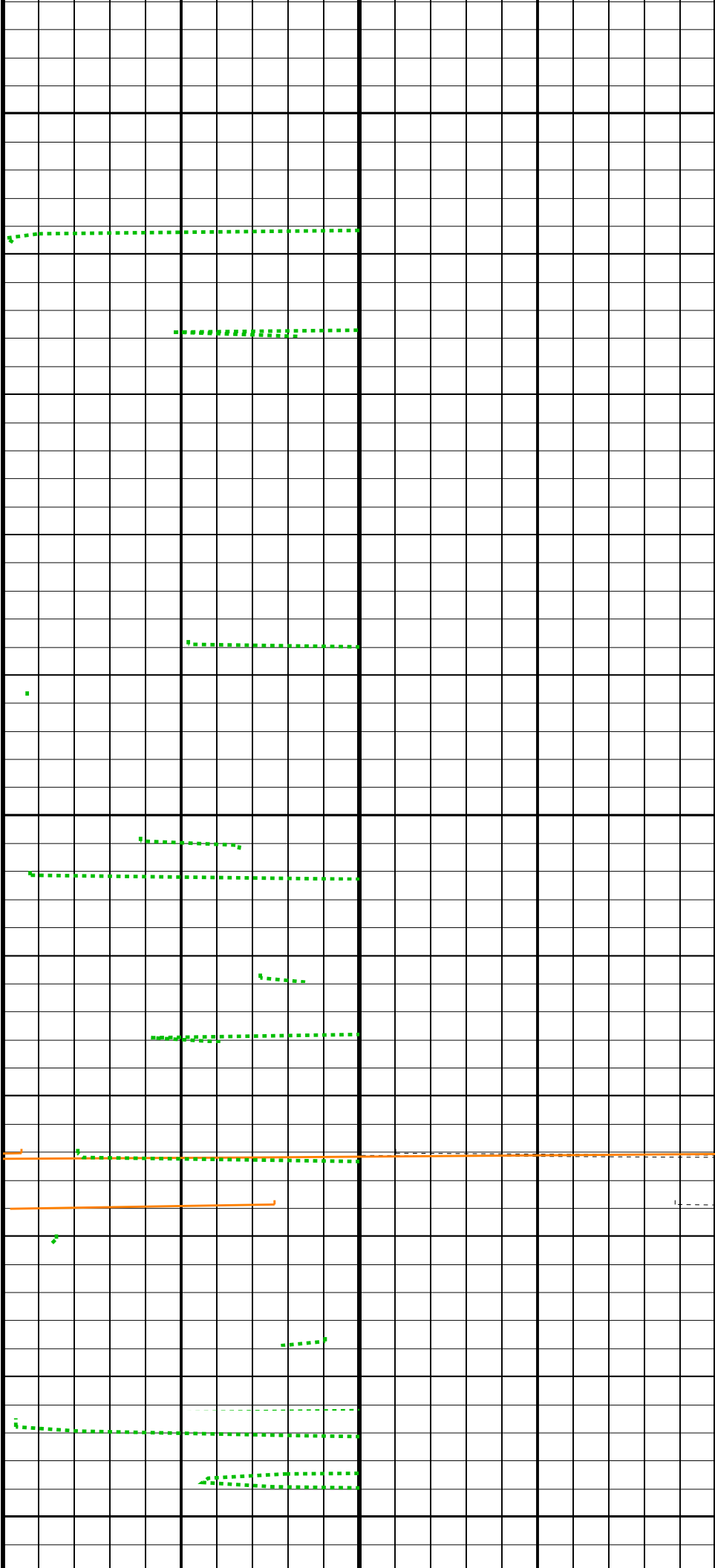


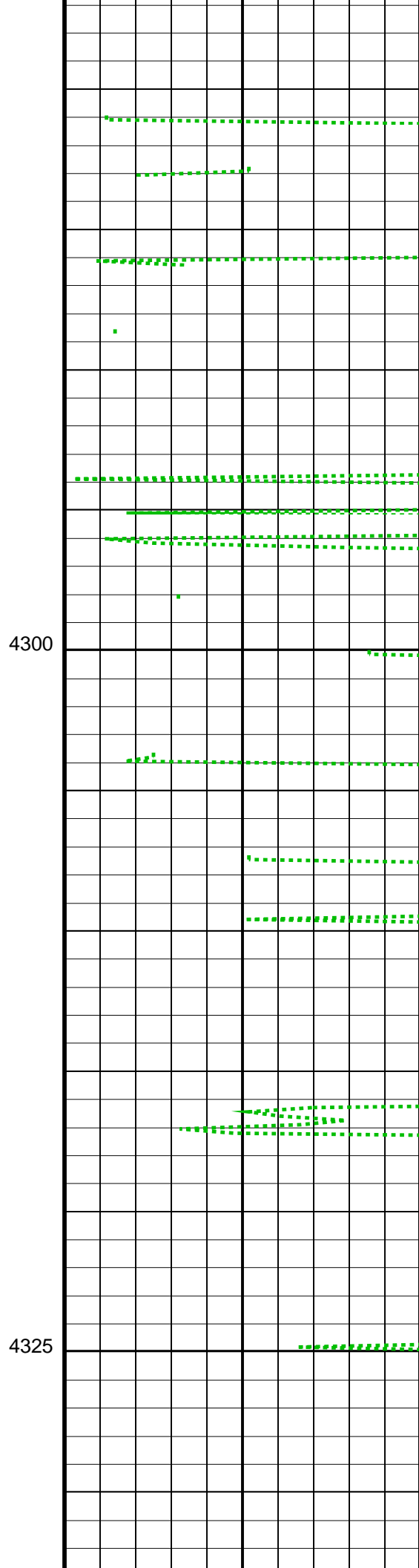
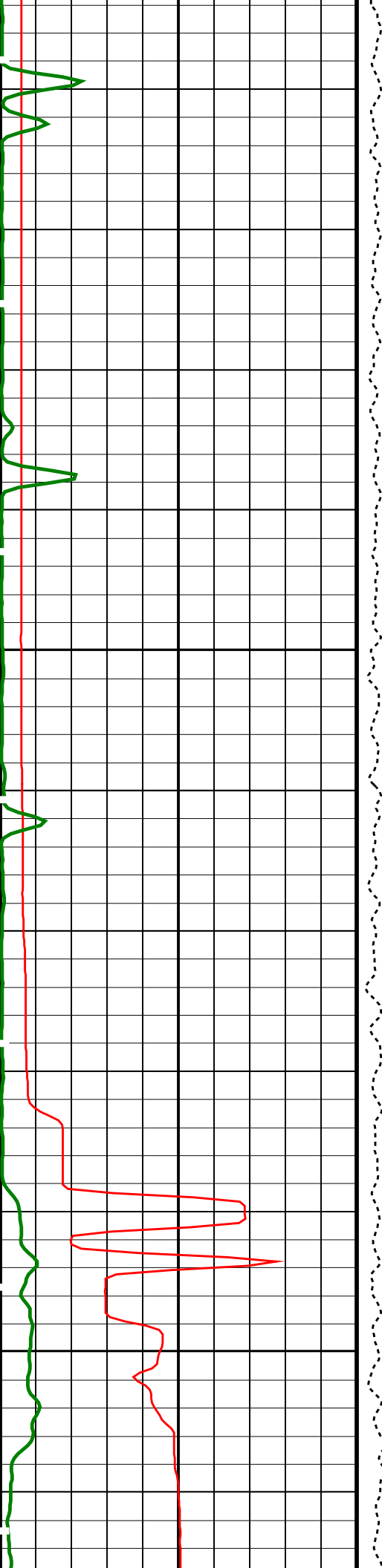


4225

4250

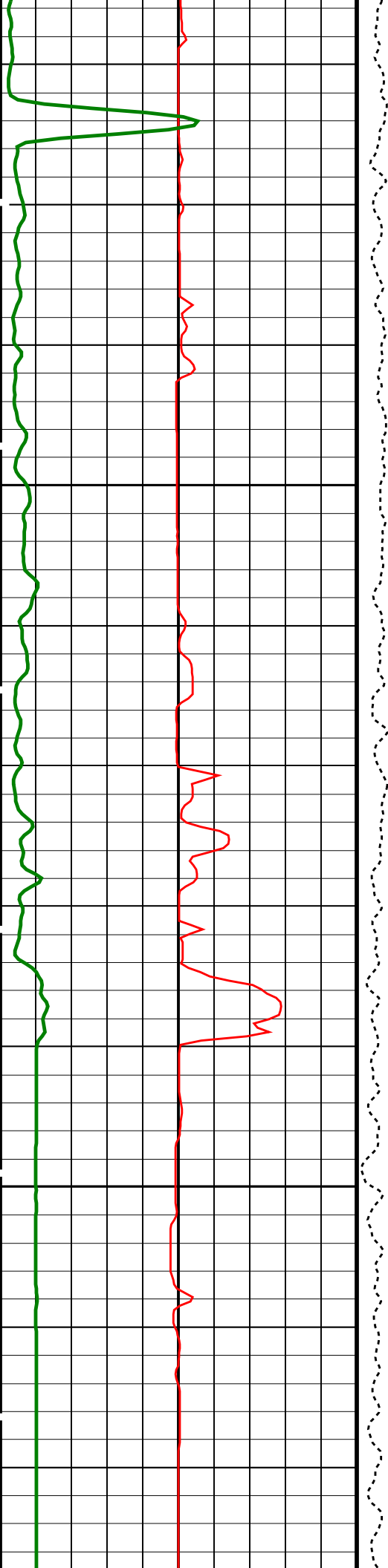
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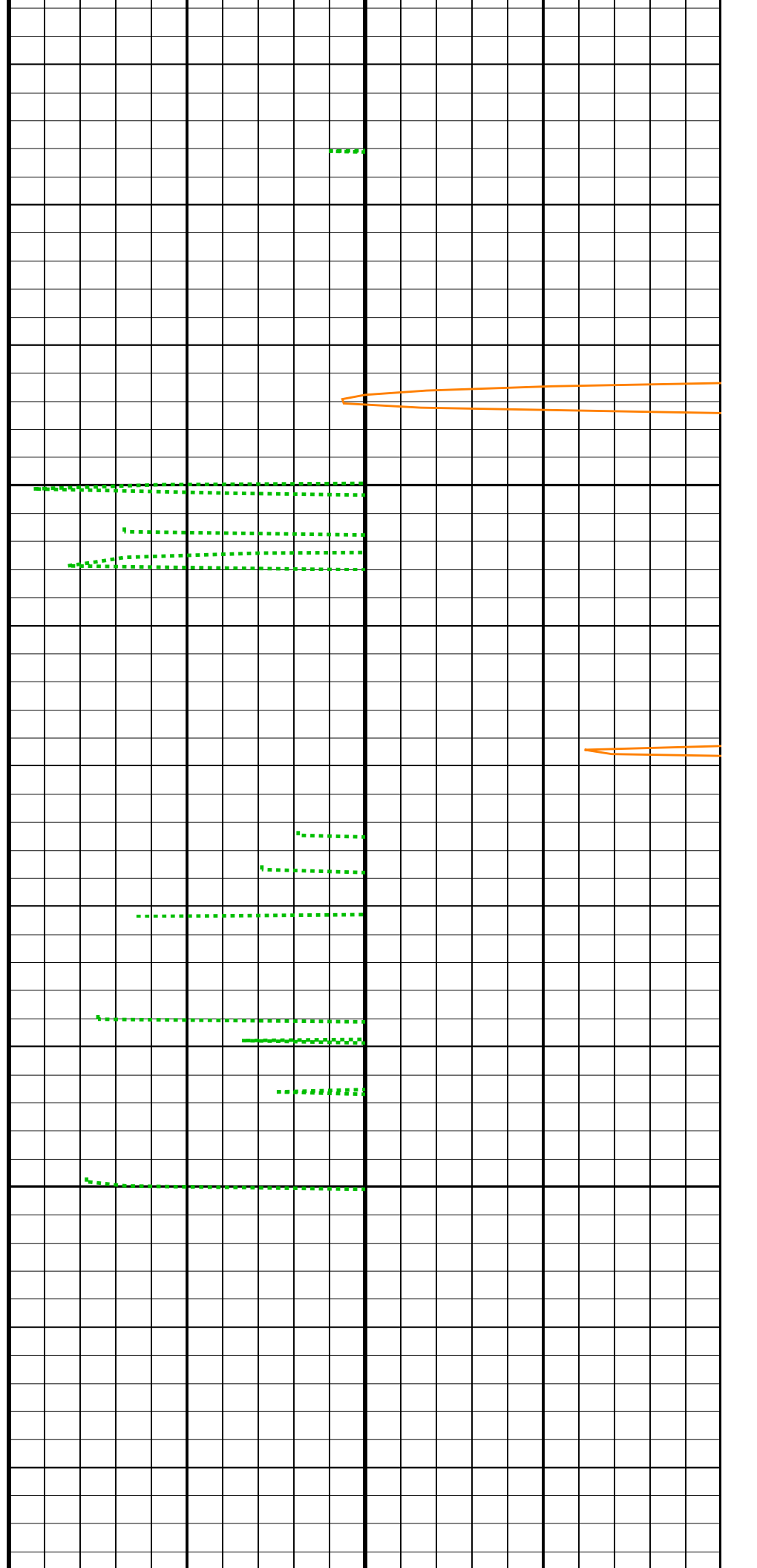
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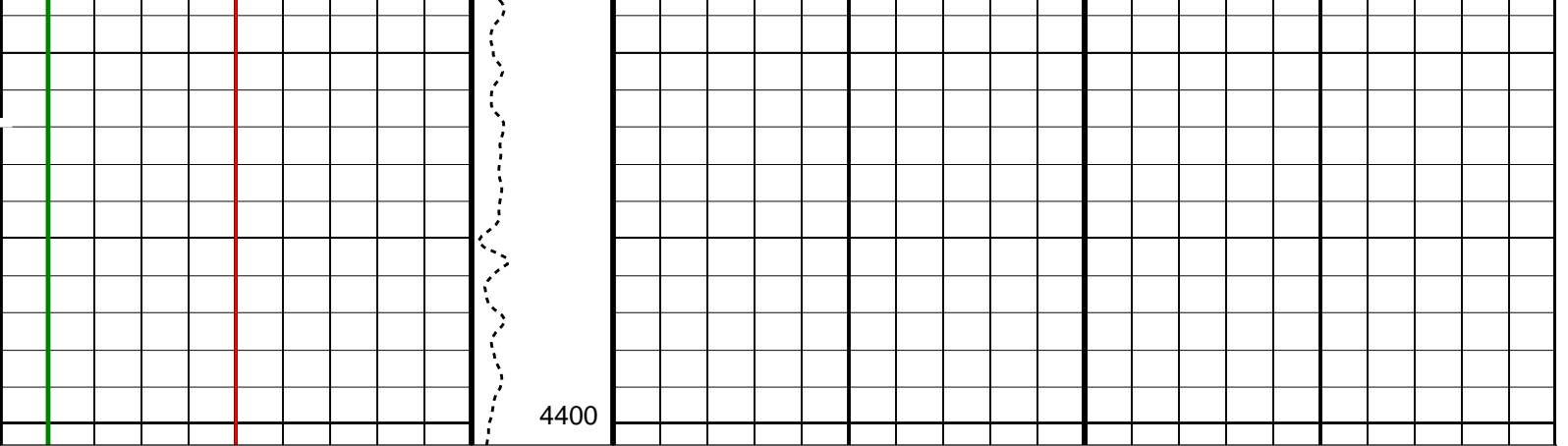
4325



4350

4375





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

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	HRLT-B: High Resolution Laterolog Array - B	
GCSE	Borehole Status	OPEN
	Generalized Caliper Selection	LCAL
DHC	HLDS: Hostile Litho-Density Sonde	
DPPM	Density Hole Correction	CALIPER
FD	Density Porosity Processing Mode	HIRS
LATC	Fluid Density	1 G/C3
MDEN	HLDS Activation Correction	OFF
	Matrix Density	2.71 G/C3
	APS-C: Accelerator-Porosity Tool	
	APS Software Version	0
BHS	Borehole Status	OPEN
DPPM	Density Porosity Processing Mode	HIRS
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	-0.00103029
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
HNPE	HNGS Processing Enable	YES
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
TPOS	Tool Position	ECCE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.1054
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.0842659
	EDTC-B: Enhanced DTS Cartridge	
BHS	Borehole Status	OPEN
DPPM	Density Porosity Processing Mode	HIRS
GCSE	Generalized Caliper Selection	LCAL
	System and Miscellaneous	
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.03 G/C3
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_013LUP	FN:12	PRODUCER	17-Jul-2022 05:56	4400.5 M	4175.7 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_044PUP	FN:38	PRODUCER	25-Jul-2022 02:27		
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Company: International Ocean Discovery Program

Well: Expedition 393, Site U1558D

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_013LUP	FN:12	PRODUCER	17-Jul-2022 05:56	4400.5 M	4175.7 M
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Output DLIS Files

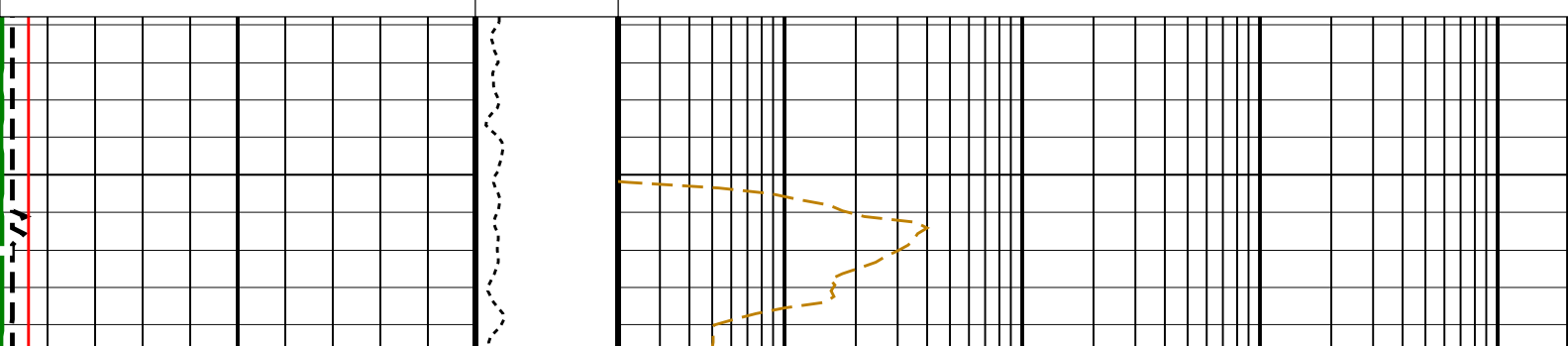
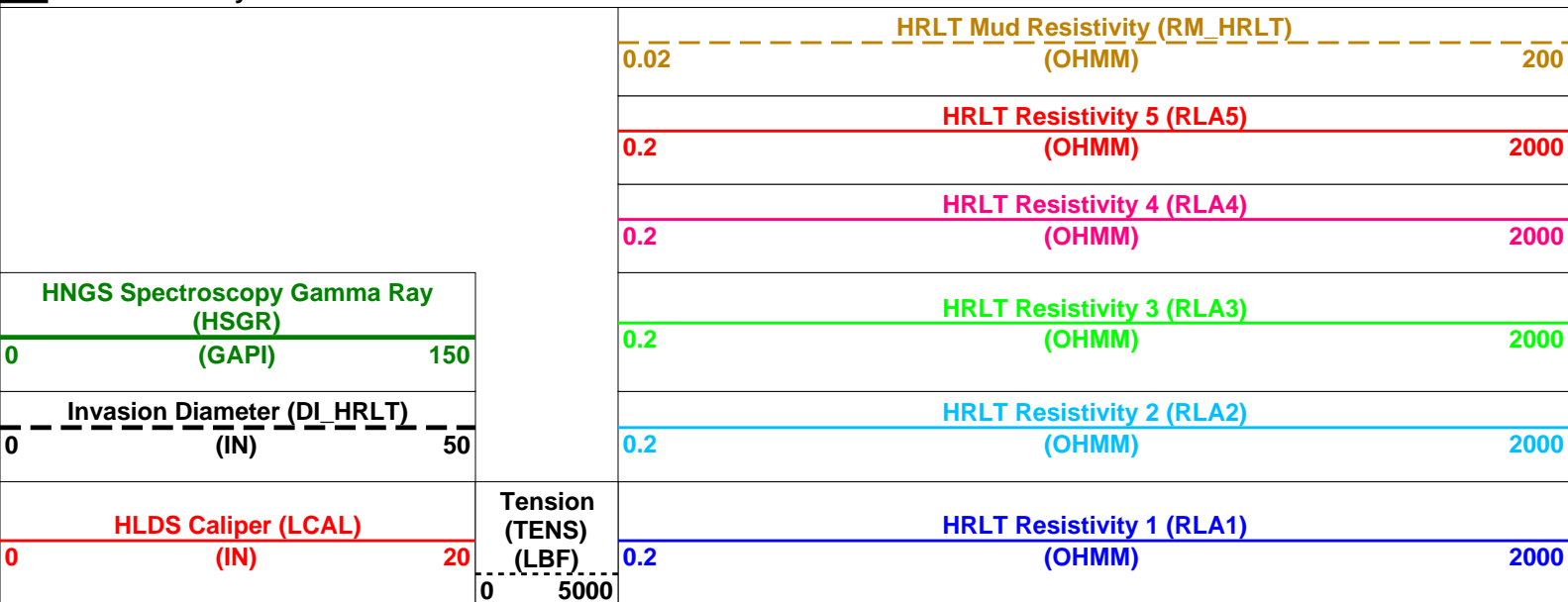
DEFAULT	HRLA_LDL_APS_NGS_044PUP	FN:38	PRODUCER	25-Jul-2022 02:27	4400.5 M	4175.8 M
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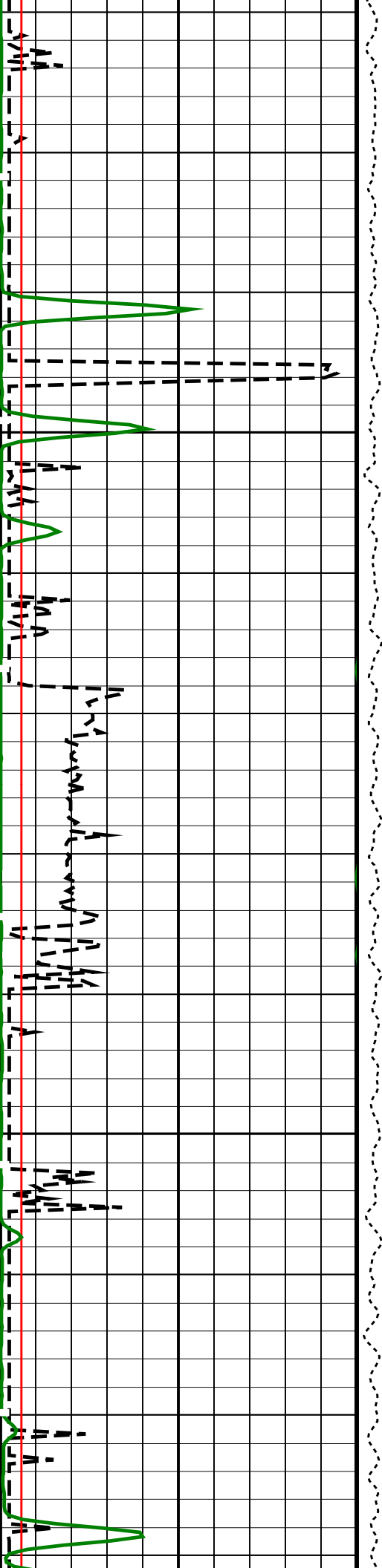
OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

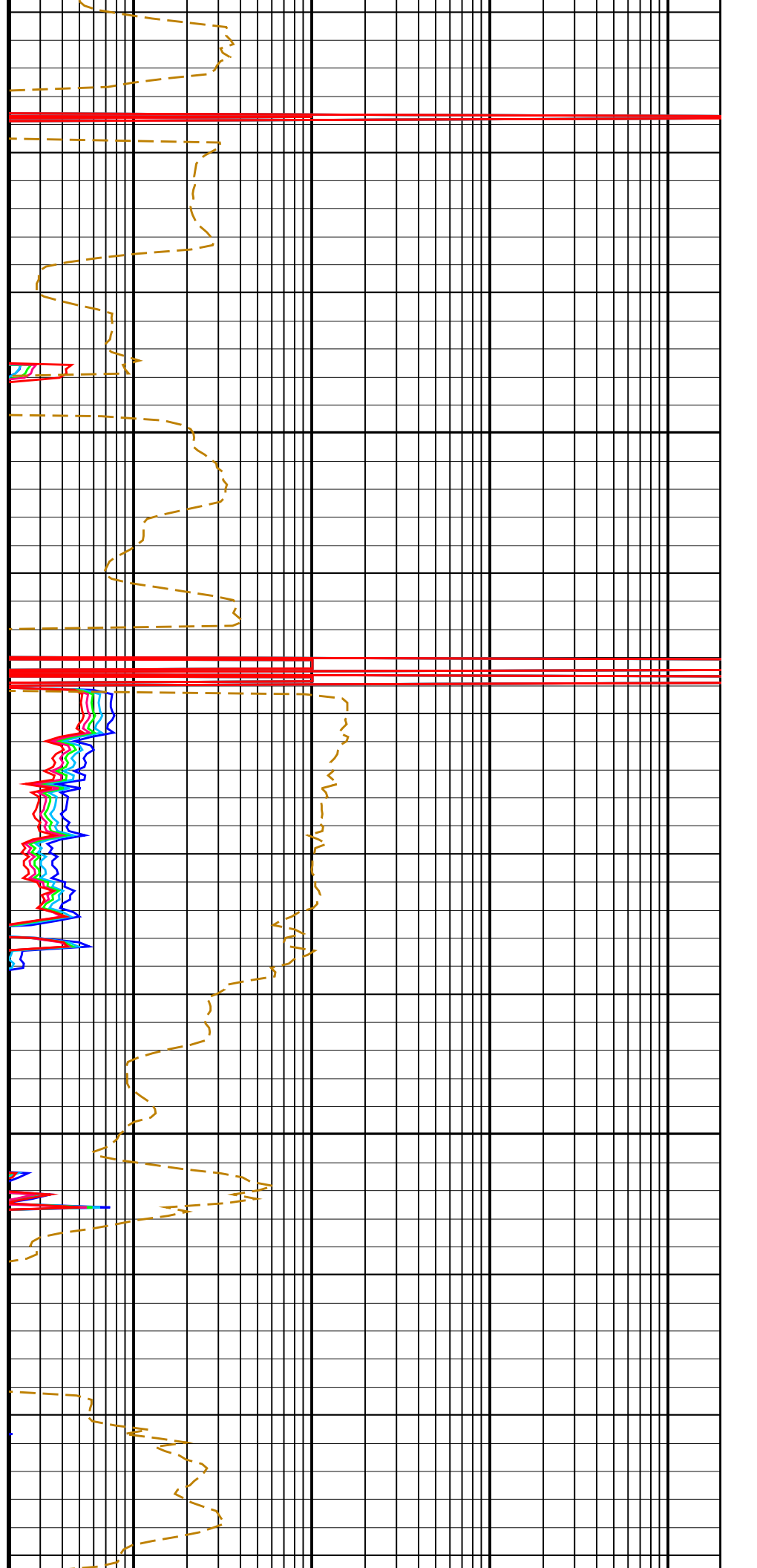
Time Mark Every 60 S

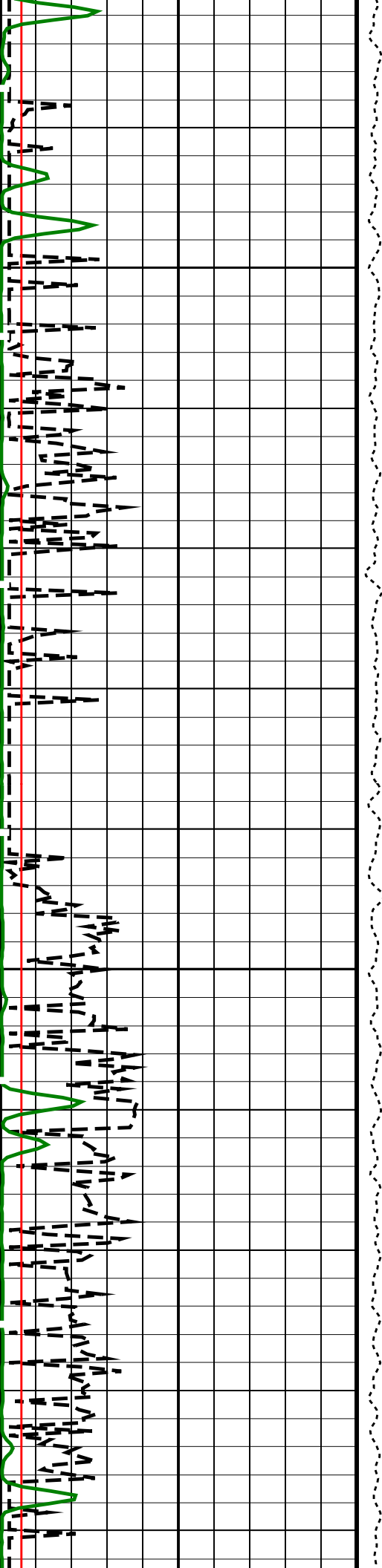




4200

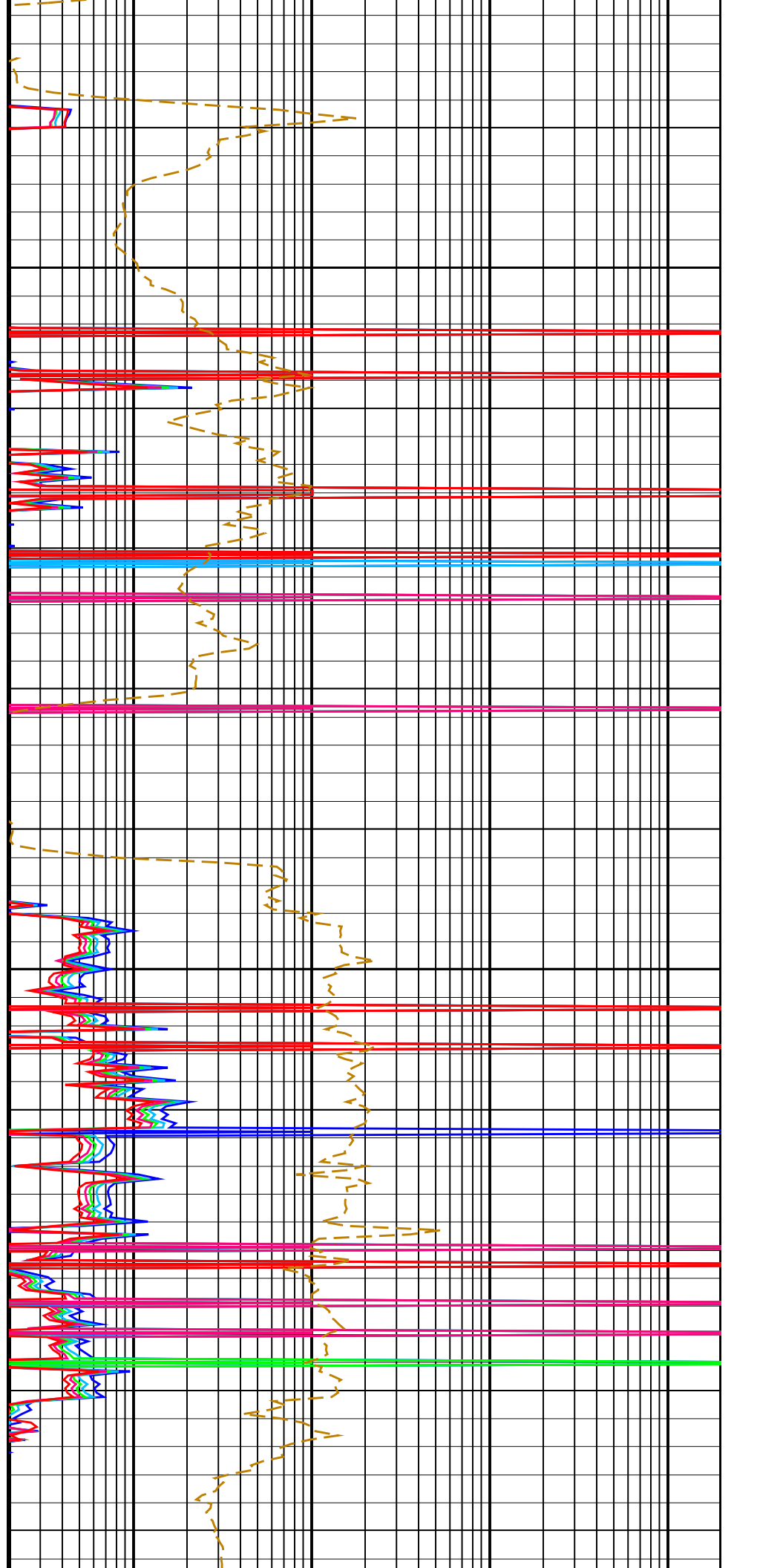
4225

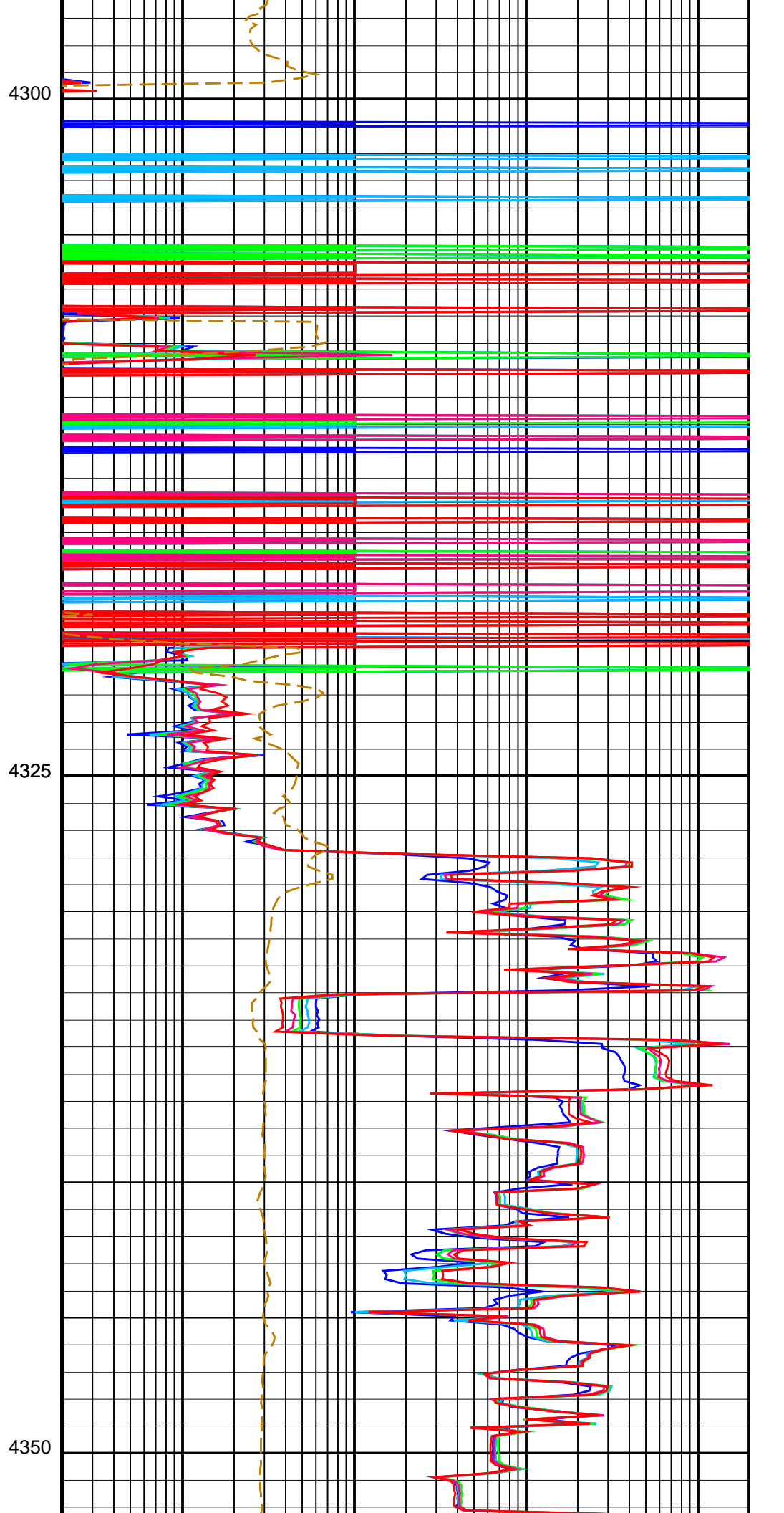
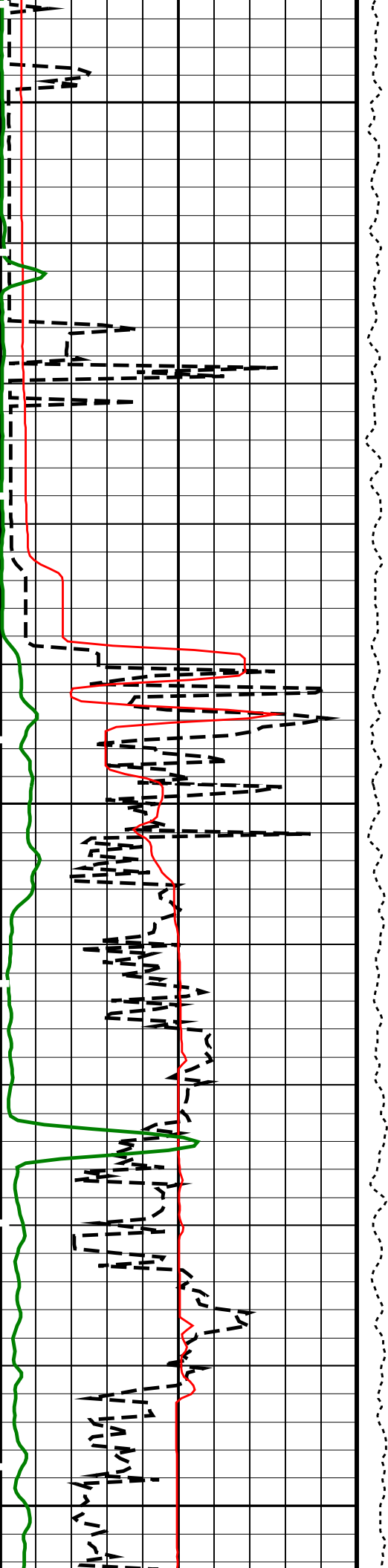


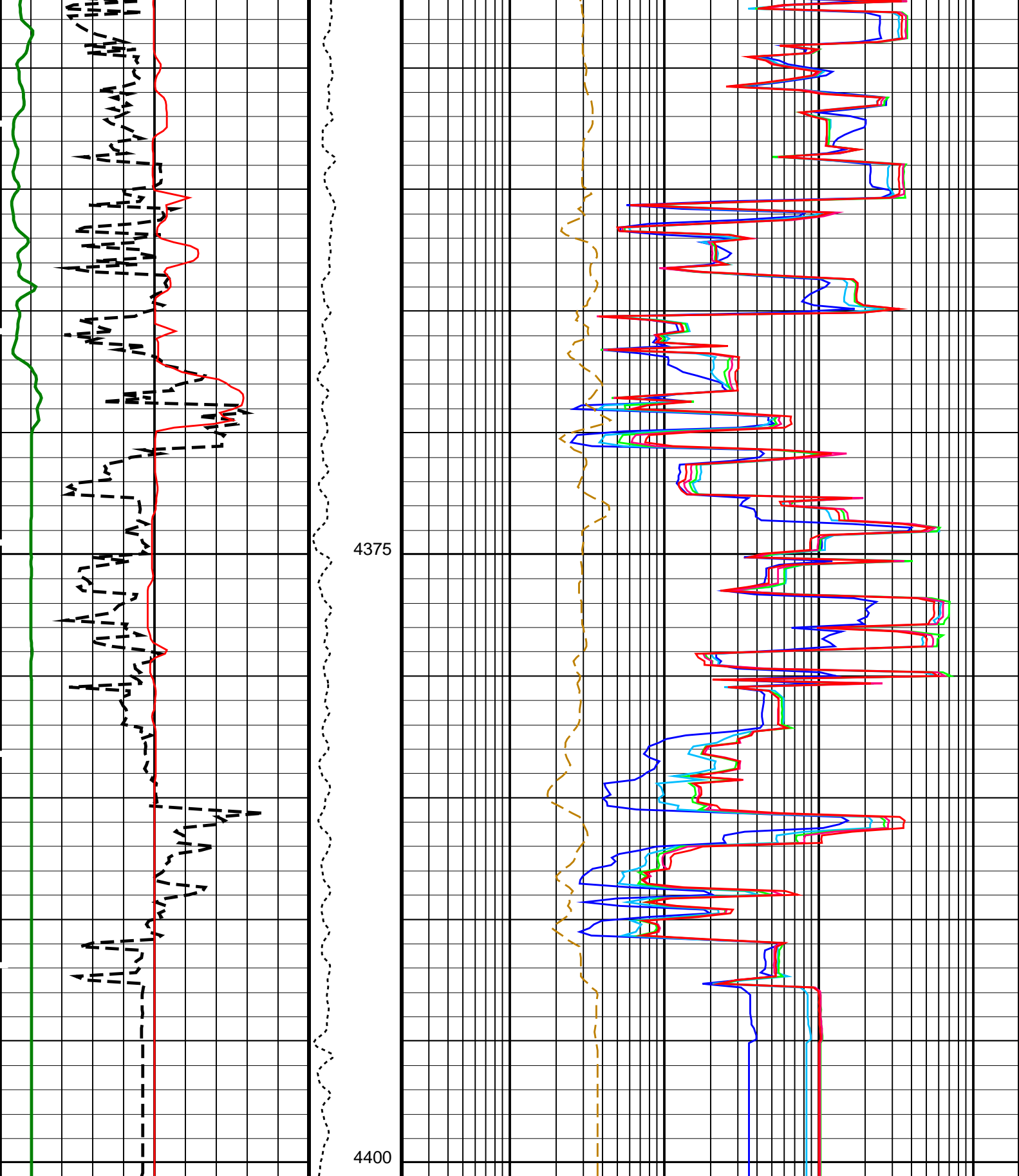


4250

4275







HLDS Caliper (LCAL)
(IN) 0 20

Invasion Diameter (DI_HRLT)
(IN) 0 50

HNGS Spectroscopy Gamma Ray
(HSGR)

Tension
(TENS)
(LBF) 0 5000

HRLT Resistivity 1 (RLA1)
(OHMM) 0.2 2000

HRLT Resistivity 2 (RLA2)
(OHMM) 0.2 2000

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)	20	DEGC
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
PROCINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMFO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Centered	
SHT	Surface Hole Temperature	20	DEGC
APS-C: Accelerator-Porosity Tool			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	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	
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)	20	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	-0.00103029	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.1054	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.0842659	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	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	
SHT	Surface Hole Temperature	20	DEGC
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3
DO	Depth Offset for Playback	0.0	M

OP System Version: 19C0-187

HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	APS-C	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_013LUP	FN:12	PRODUCER	17-Jul-2022 05:56	4400.5 M	4175.7 M
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Output DLIS Files

DEFAULT	HRLA_LDL_APS_NGS_044PUP	FN:38	PRODUCER	25-Jul-2022 02:27		
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Callibrations

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: 4-May-2022 20:43							
HRLT M0-M1 Voltage Plus – 0	0	N/A	-318.3	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 1	0	N/A	-330.7	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 2	0	N/A	-338.5	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 3	0	N/A	-328.8	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 4	0	N/A	-319.7	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 5	0	N/A	-321.6	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 6	0	N/A	319.9	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 7	0	N/A	-322.7	N/A	N/A	9.681	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M12							
Before: 4-May-2022 20:43							
HRLT M1-M2 Voltage Plus – 0	0	N/A	1738	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 1	0	N/A	1813	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 2	0	N/A	1849	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 3	0	N/A	1794	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 4	0	N/A	1743	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 5	0	N/A	1754	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 6	0	N/A	-1762	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus – 7	0	N/A	1781	N/A	N/A	53.42	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M23							
Before: 4-May-2022 20:43							
HRLT M2-M3 Voltage Plus – 0	0	N/A	1730	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 1	0	N/A	1815	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 2	0	N/A	1853	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 3	0	N/A	1801	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 4	0	N/A	1745	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 5	0	N/A	1757	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 6	0	N/A	-1753	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus – 7	0	N/A	1781	N/A	N/A	53.42	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT V34

Before: 4–May–2022 20:43

HRLT A3–A4 Voltage Plus – 0	0	N/A	68590	N/A	N/A	2100	UV
HRLT A3–A4 Voltage Plus – 1	0	N/A	71800	N/A	N/A	2100	UV
HRLT A3–A4 Voltage Plus – 2	0	N/A	73570	N/A	N/A	2100	UV
HRLT A3–A4 Voltage Plus – 3	0	N/A	71790	N/A	N/A	2100	UV
HRLT A3–A4 Voltage Plus – 4	0	N/A	69500	N/A	N/A	2100	UV
HRLT A3–A4 Voltage Plus – 5	0	N/A	70000	N/A	N/A	2100	UV
HRLT A3–A4 Voltage Plus – 6	0	N/A	–68340	N/A	N/A	2100	UV
HRLT A3–A4 Voltage Plus – 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT V45

Before: 4–May–2022 20:43

HRLT A4–A5 Voltage Plus – 0	0	N/A	68660	N/A	N/A	2100	UV
HRLT A4–A5 Voltage Plus – 1	0	N/A	72000	N/A	N/A	2100	UV
HRLT A4–A5 Voltage Plus – 2	0	N/A	73750	N/A	N/A	2100	UV
HRLT A4–A5 Voltage Plus – 3	0	N/A	71950	N/A	N/A	2100	UV
HRLT A4–A5 Voltage Plus – 4	0	N/A	69600	N/A	N/A	2100	UV
HRLT A4–A5 Voltage Plus – 5	0	N/A	70090	N/A	N/A	2100	UV
HRLT A4–A5 Voltage Plus – 6	0	N/A	–68550	N/A	N/A	2100	UV
HRLT A4–A5 Voltage Plus – 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT V56

Before: 4–May–2022 20:43

HRLT A5–A6 Voltage Plus – 0	0	N/A	68510	N/A	N/A	2100	UV
HRLT A5–A6 Voltage Plus – 1	0	N/A	71840	N/A	N/A	2100	UV
HRLT A5–A6 Voltage Plus – 2	0	N/A	73590	N/A	N/A	2100	UV
HRLT A5–A6 Voltage Plus – 3	0	N/A	71800	N/A	N/A	2100	UV
HRLT A5–A6 Voltage Plus – 4	0	N/A	69490	N/A	N/A	2100	UV
HRLT A5–A6 Voltage Plus – 5	0	N/A	69950	N/A	N/A	2100	UV
HRLT A5–A6 Voltage Plus – 6	0	N/A	–68390	N/A	N/A	2100	UV
HRLT A5–A6 Voltage Plus – 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT VTP

Before: 4–May–2022 20:43

HRLT Torpedo–M0 Voltage – 0	0	N/A	–68040	N/A	N/A	2100	UV
HRLT Torpedo–M0 Voltage – 1	0	N/A	–71630	N/A	N/A	2100	UV
HRLT Torpedo–M0 Voltage – 2	0	N/A	–73430	N/A	N/A	2100	UV
HRLT Torpedo–M0 Voltage – 3	0	N/A	–71710	N/A	N/A	2100	UV
HRLT Torpedo–M0 Voltage – 4	0	N/A	–69420	N/A	N/A	2100	UV
HRLT Torpedo–M0 Voltage – 5	0	N/A	–69910	N/A	N/A	2100	UV
HRLT Torpedo–M0 Voltage – 6	0	N/A	68150	N/A	N/A	2100	UV
HRLT Torpedo–M0 Voltage – 7	0	N/A	–70000	N/A	N/A	2100	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT VBD

Before: 4–May–2022 20:43

HRLT Bridle#9–M0 Voltage – 0	0	N/A	–68070	N/A	N/A	2100	UV
HRLT Bridle#9–M0 Voltage – 1	0	N/A	–71720	N/A	N/A	2100	UV
HRLT Bridle#9–M0 Voltage – 2	0	N/A	–73500	N/A	N/A	2100	UV
HRLT Bridle#9–M0 Voltage – 3	0	N/A	–71780	N/A	N/A	2100	UV
HRLT Bridle#9–M0 Voltage – 4	0	N/A	–69470	N/A	N/A	2100	UV
HRLT Bridle#9–M0 Voltage – 5	0	N/A	–69950	N/A	N/A	2100	UV
HRLT Bridle#9–M0 Voltage – 6	0	N/A	68240	N/A	N/A	2100	UV
HRLT Bridle#9–M0 Voltage – 7	0	N/A	–70000	N/A	N/A	2100	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT ISO

Before: 4–May–2022 20:43

HRLT Source Current Plus – 0	0	N/A	284.0	N/A	N/A	8.520	UA
HRLT Source Current Plus – 1	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 2	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 3	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 4	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 5	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 6	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 7	0	N/A	281.1	N/A	N/A	8.520	UA

High Resolution Laterolog Array – B Wellsite Calibration – HRLT MV

Before: 4–May–2022 20:43

HRLT Vertical Voltage PI – 0	0	N/A	–320.0	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 1	0	N/A	–325.4	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 2	0	N/A	–331.9	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 3	0	N/A	–320.6	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 4	0	N/A	–308.8	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 5	0	N/A	–325.5	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 6	0	N/A	327.4	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 7	0	N/A	–322.7	N/A	N/A	9.681	UV

Hostile Litho–Density Sonde Wellsite Calibration – Background Measurement

Master: Calibration out of date 7–Apr–2022 22:41 Before: 17–Jul–2022 1:03

SS Cs Resolution Bkg	9.000	8.010	8.050	N/A	N/A	1.800	%
LS Cs Resolution Bkg	9.000	7.678	7.741	N/A	N/A	1.800	%
LSW1 Background	100.0	58.91	57.40	N/A	N/A	3.000	CPS

LSW2 Background	100.0	53.03	53.81	N/A	N/A	3.000	CPS
LSW3 Background	200.0	117.9	118.7	N/A	N/A	6.000	CPS
LSW4 Background	250.0	142.0	142.4	N/A	N/A	7.500	CPS
LSW5 Background	600.0	328.3	324.9	N/A	N/A	18.00	CPS
SSW1 Background	100.0	66.11	65.88	N/A	N/A	3.000	CPS
SSW2 Background	200.0	116.3	114.9	N/A	N/A	6.000	CPS
SSW3 Background	500.0	311.2	309.2	N/A	N/A	15.00	CPS
SSW4 Background	270.0	163.1	161.4	N/A	N/A	8.100	CPS
SSW5 Background	200.0	118.9	118.4	N/A	N/A	6.000	CPS

Hostile Litho-Density Sonde Wellsite Calibration – Aluminum Measurement

Master: Calibration out of date 8-Apr-2022 0:54

LSW1 Aluminum	600.0	425.7	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	625.0	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	755.3	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	380.7	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	351.8	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	2010	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	5500	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	7680	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	3178	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	386.3	N/A	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration – Lithology Measurement

Master: Calibration out of date 8-Apr-2022 0:49

LSW1 Iron	400.0	296.1	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	510.2	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	668.0	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	344.0	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	322.1	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1478	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	4607	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	7034	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	2907	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	346.5	N/A	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration – Caliper Calibration

Before: Calibration out of date 8-Apr-2022 1:48

HLDS Caliper Small Ring	12.00	N/A	14.85	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.19	N/A	18.31	N/A	N/A	N/A	IN

Accelerator-Porosity Tool Wellsite Calibration – Detector Background

Master: Calibration out of date 3-May-2021 6:13 Before: 5-May-2022 8:29

Near Det Bkg Cntrate	30.00	25.16	25.84	N/A	N/A	N/A	CPS
Far Det Bkg Cntrate	30.00	24.05	25.26	N/A	N/A	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	23.15	25.14	N/A	N/A	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	23.93	24.36	N/A	N/A	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	26.33	24.33	N/A	N/A	N/A	CPS

Accelerator-Porosity Tool Wellsite Calibration – Calibration Ratios

Master: Calibration out of date 3-May-2021 6:15

Near/Far Calibration Ratio	0.9250	0.9424	N/A	N/A	N/A	N/A	
Near/Array Calibration Ratio	1.030	1.083	N/A	N/A	N/A	N/A	
Near/Array Cal Ratio Up/Down	1.000	1.016	N/A	N/A	N/A	N/A	

Accelerator-Porosity Tool Wellsite Calibration – Tank Check

Master: Calibration out of date 3-May-2021 6:16

Array-1 Standoff Porosity	11.75	11.04	N/A	N/A	N/A	N/A	PU
Array-2 Standoff Porosity	11.75	10.88	N/A	N/A	N/A	N/A	PU
Average Slowing Down Time	6.000	5.997	N/A	N/A	N/A	N/A	US
Array-1 SDT Ratio Up/Down	1.000	0.9943	N/A	N/A	N/A	N/A	
Array-2 SDT Ratio Up/Down	1.000	0.9896	N/A	N/A	N/A	N/A	
Sigma Formation	27.50	27.71	N/A	N/A	N/A	N/A	CU

Accelerator-Porosity Tool Wellsite Calibration – CCR7 signal boxes

Master: Calibration out of date 3-May-2021 5:26

Near Detector Plateau Setting	1650	1738	N/A	N/A	N/A	N/A	V
Far Detector Plateau Setting	2000	2068	N/A	N/A	N/A	N/A	V
Array Detector Plateau Setting	2000	1976	N/A	N/A	N/A	N/A	V

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check

Master: Calibration out of date 2-May-2021 11:41 Before: 17-Jul-2022 1:05

Na 511 Peak Loc	40.00	38.51	39.33	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.08	16.21	N/A	N/A	2.000	%
High Voltage	1150	1210	1194	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	140.8	143.4	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.038	9.728	N/A	N/A	2.000	
Temperature	15.50	27.21	22.26	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	10.57	7.097	N/A	N/A	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: Calibration out of date 2-May-2021 11:41 Before: 17-Jul-2022 1:05

Master: Calibration out of date	2-May-2021 11:41	Before: 17-Jul-2022 1:05						
Na 511 Peak Loc	40.00	39.36	40.42	N/A	N/A	1.000		
Na 511 Peak Res	15.50	16.98	15.75	N/A	N/A	2.000	%	
High Voltage	1150	1089	1081	N/A	N/A	N/A	V	
Na 1785 Peak Loc	142.6	142.8	145.6	N/A	N/A	7.000		
Na 1785 Peak Res	8.500	9.374	9.548	N/A	N/A	2.000	%	
Temperature	15.50	26.50	21.59	N/A	N/A	N/A	DEGC	
Na Count Rate	45.00	10.57	7.046	N/A	N/A	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 11:41 Before: 17-Jul-2022 1:05

Coincidence Count Rate Ratio	1.000	0.9991	1.0000	N/A	N/A	0.05000	
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Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration

Before: Calibration out of date 4-May-2022 20:04

EDTC Z-Axis Acceleration	9.810	N/A	9.850	N/A	N/A	N/A	M/S2
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Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration

Before: Calibration out of date 4-May-2022 20:10

Gamma Ray (Jig – Bkg)	114.1	N/A	114.1	N/A	N/A	10.37	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.9	N/A	N/A	15.00	GAPI

Accelerator-Porosity Tool – Detector Plateau Settings :

Near Detector Plateau Setting 1738 V
Far Detector Plateau Setting 2068 V
Array Detector Plateau Setting 1976 V

High Resolution Laterolog Array – B / Equipment Identification		
Primary Equipment:		
HRLT Sonde	HRLS – B	969
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		-318.3	-322.7	-280.7	-379.7	
1	Before		-330.7	-322.7	-280.7	-379.7	
2	Before		-338.5	-322.7	-280.7	-379.7	
3	Before		-328.8	-322.7	-280.7	-379.7	
4	Before		-319.7	-322.7	-280.7	-379.7	
5	Before		-321.6	-322.7	-280.7	-379.7	
6	Before		319.9	322.7	379.7	280.7	
7	Before		-322.7	-322.7	-280.7	-379.7	
		(Minimum) (Nominal) (Maximum)					

Before: 4-May-2022 20:43

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	
1	Before		1813	1781	2095	1549	
2	Before		1849	1781	2095	1549	
3	Before		1794	1781	2095	1549	
4	Before		1743	1781	2095	1549	

5	Before		1754	1781	2095	1549
6	Before		-1762	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
(Minimum) (Nominal) (Maximum)						
Before: 4-May-2022 20:43						

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
1	Before		1815	1781	2095	1549
2	Before		1853	1781	2095	1549
3	Before		1801	1781	2095	1549
4	Before		1745	1781	2095	1549
5	Before		1757	1781	2095	1549
6	Before		-1753	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
(Minimum) (Nominal) (Maximum)						
Before: 4-May-2022 20:43						

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
1	Before		71800	70000	82360	60900
2	Before		73570	70000	82360	60900
3	Before		71790	70000	82360	60900
4	Before		69500	70000	82360	60900
5	Before		70000	70000	82360	60900
6	Before		-68340	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
(Minimum) (Nominal) (Maximum)						
Before: 4-May-2022 20:43						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68660	70000	82360	60900
1	Before		72000	70000	82360	60900
2	Before		73750	70000	82360	60900
3	Before		71950	70000	82360	60900
4	Before		69600	70000	82360	60900
5	Before		70090	70000	82360	60900
6	Before		-68550	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
(Minimum) (Nominal) (Maximum)						
Before: 4-May-2022 20:43						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum

Idx	Phase	HRLT A5-A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68510	70000	82360	60900
1	Before		71840	70000	82360	60900
2	Before		73590	70000	82360	60900
3	Before		71800	70000	82360	60900
4	Before		69490	70000	82360	60900
5	Before		69950	70000	82360	60900
6	Before		-68390	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
			(Minimum)	(Nominal)	(Maximum)	

Before: 4-May-2022 20:43

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT VTP						
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68040	-70000	-60900	-82360
1	Before		-71630	-70000	-60900	-82360
2	Before		-73430	-70000	-60900	-82360
3	Before		-71710	-70000	-60900	-82360
4	Before		-69420	-70000	-60900	-82360
5	Before		-69910	-70000	-60900	-82360
6	Before		68150	70000	82360	60900
7	Before		-70000	-70000	-60900	-82360
			(Minimum)	(Nominal)	(Maximum)	

Before: 4-May-2022 20:43

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT VBD						
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68070	-70000	-60900	-82360
1	Before		-71720	-70000	-60900	-82360
2	Before		-73500	-70000	-60900	-82360
3	Before		-71780	-70000	-60900	-82360
4	Before		-69470	-70000	-60900	-82360
5	Before		-69950	-70000	-60900	-82360
6	Before		68240	70000	82360	60900
7	Before		-70000	-70000	-60900	-82360
			(Minimum)	(Nominal)	(Maximum)	

Before: 4-May-2022 20:43

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

6	Before		281.1	281.1	330.7	244.4
7	Before		281.1	281.1	330.7	244.4
			(Minimum)	(Nominal)	(Maximum)	

Before: 4-May-2022 20:43

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.0	-322.7	-280.7	-379.7
1	Before		-325.4	-322.7	-280.7	-379.7
2	Before		-331.9	-322.7	-280.7	-379.7
3	Before		-320.6	-322.7	-280.7	-379.7
4	Before		-308.8	-322.7	-280.7	-379.7
5	Before		-325.5	-322.7	-280.7	-379.7
6	Before		327.4	322.7	379.7	280.7
7	Before		-322.7	-322.7	-280.7	-379.7
			(Minimum)	(Nominal)	(Maximum)	

Before: 4-May-2022 20:43

Hostile Litho-Density Sonde / Equipment Identification		
Primary Equipment:		
Gamma Source Radioactive	GSR – ZA	2945
Hostile Litho Density Sonde	HLDS – D	35
Hostile Litho Density High Voltage	HLDV – D	35
Auxiliary Equipment:		
Hostile Litho Density High Voltage Housi	HEH – H	35
Hostile Litho Density Pad	HLDP – C	35

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		8.010	Master		7.678	Master		58.91	
Before		8.050	Before		7.741	Before		57.40	
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		53.03	Master		117.9	Master		142.0	
Before		53.81	Before		118.7	Before		142.4	
50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)			140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)			
Phase	LSW5 Background CPS	Value	Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value	
Master	EXCEEDS LIMIT	328.3	Master		66.11	Master		116.3	
Before	EXCEEDS LIMIT	324.9	Before		65.88	Before		114.9	
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		311.2	Master		163.1	Master		118.9	
Before		309.2	Before		161.4	Before		118.4	
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 HRLT out of date 7-Apr-2022 22:41

Before: 17-Jul-2022 1:03

Litho-Density Spectroscopy Cartridge – B / Equipment Identification	

Primary Equipment: LDSC Cartridge	LDSC – B	326
Auxiliary Equipment: LDSC Housing	LDSH – A	303

Accelerator–Porosity Tool / Equipment Identification

Primary Equipment: Accelerator–Porosity Sonde APS Minitron	APS – C MNTR – F	65535 65535
Auxiliary Equipment: Accelerator–Porosity Housing APS Calibration Water Tank APS Aluminum Calibrator Sleeve	APH – AC SFT – 178 SFT – 281	152 1 1

Accelerator–Porosity Tool Wellsite Calibration

Detector Background

Phase	Near Det Bkg Cntrate CPS	Value	Phase	Far Det Bkg Cntrate CPS	Value	Phase	Array–1 Det Bkg Cntrate CPS	Value
Master		25.16	Master		24.05	Master		23.15
Before		25.84	Before		25.26	Before		25.14
	1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)	
Phase	Array–2 Det Bkg Cntrate CPS	Value	Phase	Array Therm Det Bkg Cntrate CPS	Value			
Master		23.93	Master		26.33			
Before		24.36	Before		24.33			
	1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)				
Master: Calibration out of date 3–May–2021 6:13			Before: 5–May–2022 8:29					

Accelerator–Porosity Tool Wellsite Calibration

Calibration Ratios

Phase	Near/Far Calibration Ratio	Value	Phase	Near/Array Calibration Ratio	Value	Phase	Near/Array Cal Ratio Up/Down	Value
Master		0.9424	Master		1.083	Master		1.016
	0.8000 (Minimum) 0.9250 (Nominal) 1.050 (Maximum)			0.9000 (Minimum) 1.030 (Nominal) 1.170 (Maximum)			0.9700 (Minimum) 1.000 (Nominal) 1.030 (Maximum)	
Master: Calibration out of date 3–May–2021 6:15								

Accelerator–Porosity Tool Wellsite Calibration

Tank Check

Phase	Array–1 Standoff Porosity PU	Value	Phase	Array–2 Standoff Porosity PU	Value	Phase	Average Slowing Down Time US	Value
Master		11.04	Master		10.88	Master		5.997
	9.900 (Minimum) 11.75 (Nominal) 13.60 (Maximum)			9.900 (Minimum) 11.75 (Nominal) 13.60 (Maximum)			5.500 (Minimum) 6.000 (Nominal) 6.250 (Maximum)	
Phase	Array–1 SDT Ratio Up/Down	Value	Phase	Array–2 SDT Ratio Up/Down	Value	Phase	Sigma Formation CU	Value
Master		0.9943	Master		0.9896	Master		27.71
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)			0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)			20.00 (Minimum) 27.50 (Nominal) 35.00 (Maximum)	
Master: Calibration out of date 3–May–2021 6:16								

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment: HNGC Cartridge	HNGC – B	300
Auxiliary Equipment: HNGC Housing	HNGH – A	115

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment: HNGS Sonde	HNGS – BA	177
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Auxiliary Equipment:
 HNGS Sonde Housing
 Gamma Source Radioactive

HNSH – BA
 GSR – U

174
 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			38.51	Master			16.08	Master			1210
Before			39.33	Before			16.21	Before			1194
	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			140.8	Master			9.038	Master			27.21
Before			143.4	Before			9.728	Before			22.26
	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			10.57								
Before			7.097								
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)								
Master: Calibration out of date 2-May-2021 11:41										Before: 17-Jul-2022 1:05	

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			39.36	Master			16.98	Master			1089
Before			40.42	Before			15.75	Before			1081
	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			142.8	Master			9.374	Master			26.50
Before			145.6	Before			9.548	Before			21.59
	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			10.57								
Before			7.046								
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)								
Master: Calibration out of date 2-May-2021 11:41										Before: 17-Jul-2022 1:05	

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9991
Before		1.0000
	0.9500 (Minimum)	1.000 (Nominal)
		1.050 (Maximum)
Master: Calibration out of date 2-May-2021 11:41		
Before: 17-Jul-2022 1:05		


Enhanced DTS Cartridge / Equipment Identification




Primary Equipment:
 EDTC Gamma Ray Detector
 Enhanced DTS Cartridge

EDTG – A/B 77693
 EDTC – B 8529

Auxiliary Equipment:
 EDTC Housing

EDTH – B 8528

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.850
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	
Before: Calibration out of date 4-May-2022 20:04		

Enhanced DTS Cartridge Wellsite Calibration											
Detector Calibration											
Phase	Gamma Ray Background GAPI		Value	Phase	Gamma Ray (Jig - Bkg) GAPI		Value	Phase	Gamma Ray (Calibrated) GAPI		Value
Before			1.113	Before			114.1	Before			165.9
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)		103.7 (Minimum)	114.1 (Nominal)	124.4 (Maximum)		150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)
Before: Calibration out of date 4-May-2022 20:10											

Company: **International Ocean Discovery Program**

Schlumberger

Well: **Expedition 393, Site U1583F**

Field: **South Atlantic Transect II**

Rig: **JOIDES Resolution**

Country: **South Africa**

High Resolution Laterolog (HRLA)
 Litho Density (HLDS) Porosity (APS)
 Natural Gamma / MSS (HNCS)