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OTHER SERVICES1 OS1: FMS/HNGS OS2: DITEHLDS Caliper/HNGS OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
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HNGS Master Calibration out of date. Calibration source required onboard before a new calibration can be made. All HNGS data can be reprocessed with the new calibration once this calibration is made after the expedition.
 Wireline depth referenced to rig floor or MBRF.
 320T transit testing expedition tested the new Active Heave Compensator for wire line. Data recorded does not reflect the 5 m difference in AHC retracted to compensation position. All recorded depths do not reflect the -5m that was experienced below drill pipe.
 AHC was activated below drill pipe only.

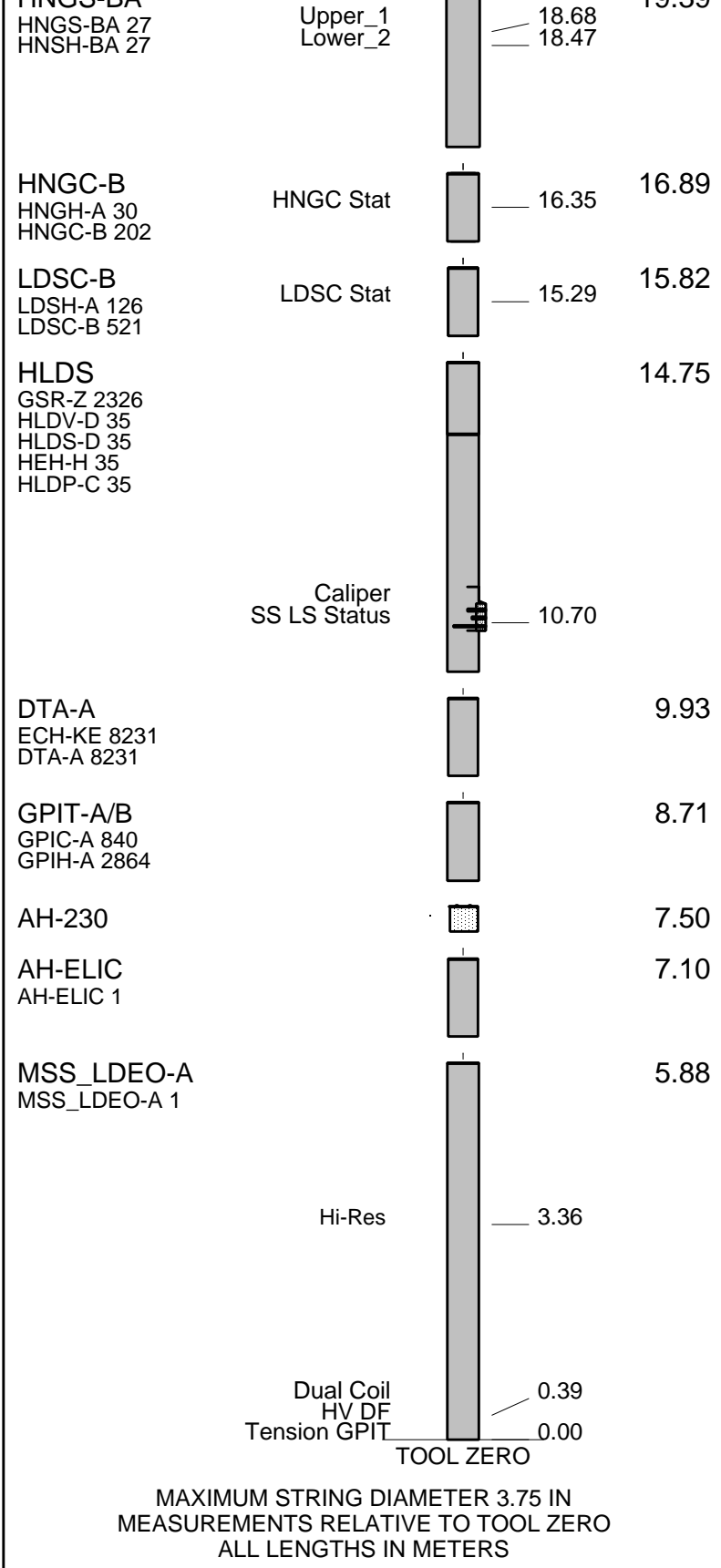
Original pass log files Pass #1: MSS.65, Pass#2: MSS.67, Pass3: MSS.68
 MSS.67 played back to MSS.80 and MSS.68 Played back to MSS.81 to repair a Gamma Ray offset caused by software bug.
 Caliper closed on Pass#2 per LDEO request.
 Logging speed at 1800 ft/hr except at 3280-3250, 3220-3190, 3150-3120 mbrf. These intervals were logged at 900ft/hr.

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION: 17C0-154			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1	RUN 2
SURFACE EQUIPMENT	
GSR-U 1154 WITM (DTS)-A	

RUN 1	RUN 2
DOWNHOLE EQUIPMENT	
LEH-QT LEH-QT 1726	21.19
DTC-H ECH-KC 1777 DTCH0-A 8798	20.02 20.30 19.39
HNGS-BA	19.39



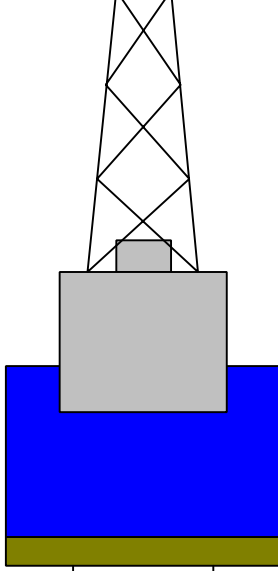
Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	MD	

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

11.0
11.0

0.0



0.0 5.000

Casing String



2816 9.875
2912 5.0

3370

Borehole Segment
Casing Shoe

Input DLIS Files

PLAY	MSS_LDEO_LDL_NGS_081PUP	FN:138	PRODUCER	03-Mar-2009 19:05	3280.4 M	2887.8 M
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Output DLIS Files

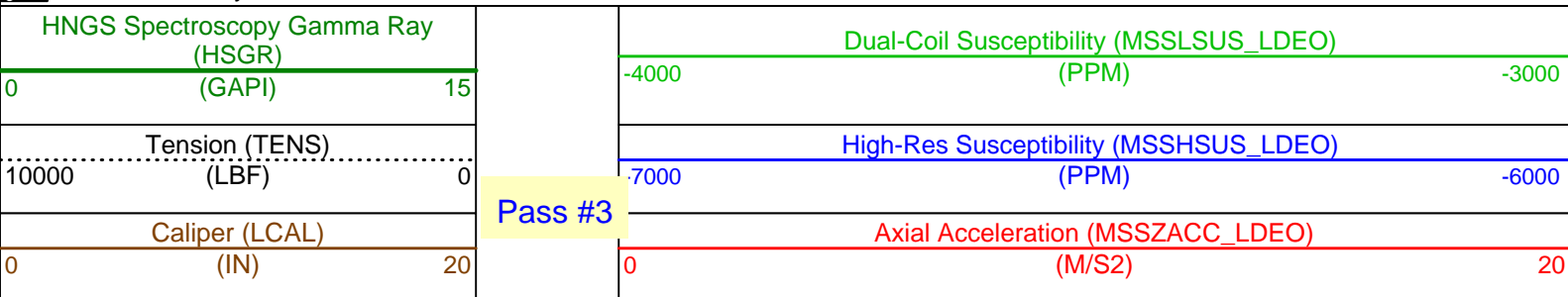
DEFAULT	MSS_LDEO_LDL_NGS_103PUP	FN:159	PRODUCER	03-Mar-2009 19:45	3280.4 M	2887.8 M
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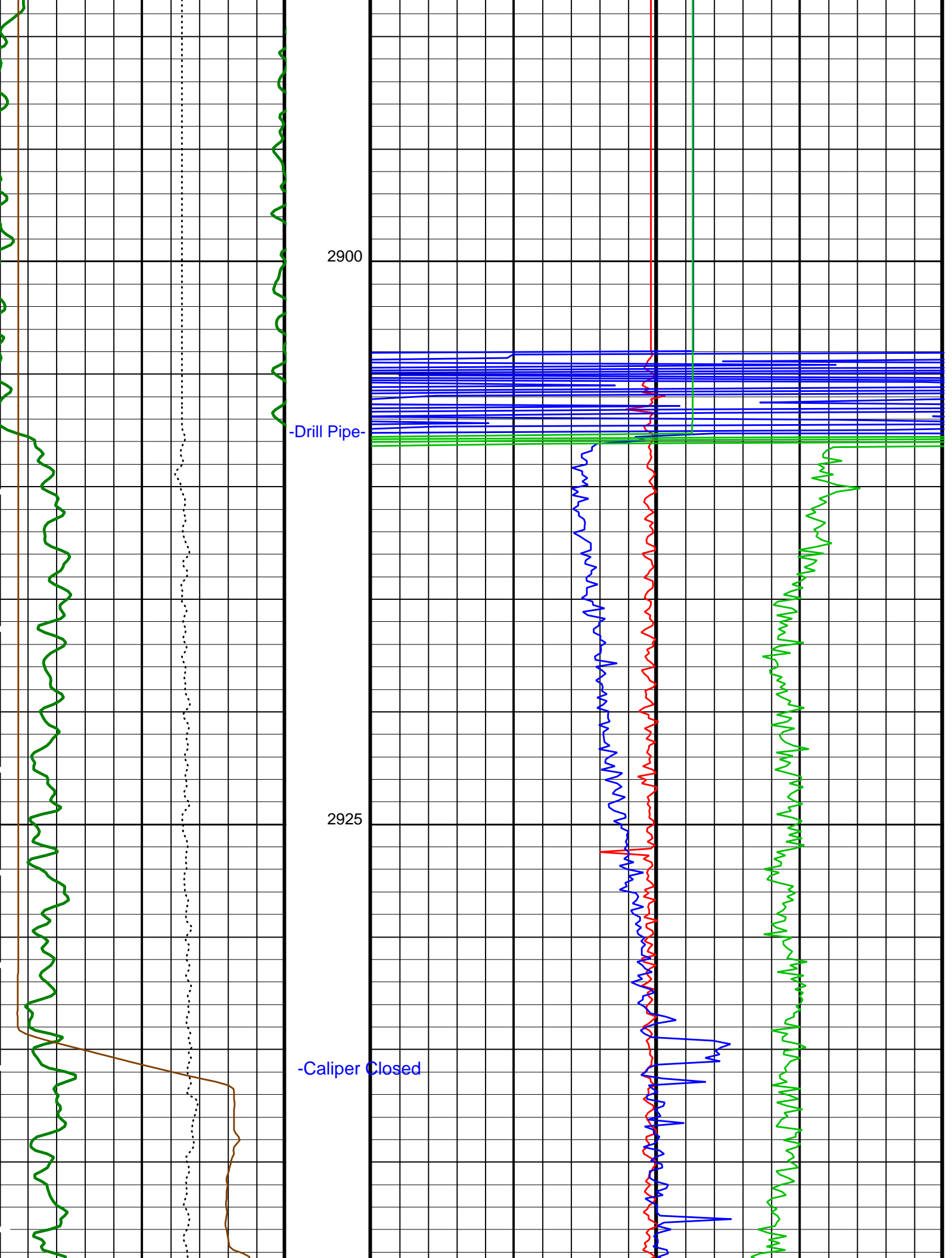
OP System Version: 17C0-154

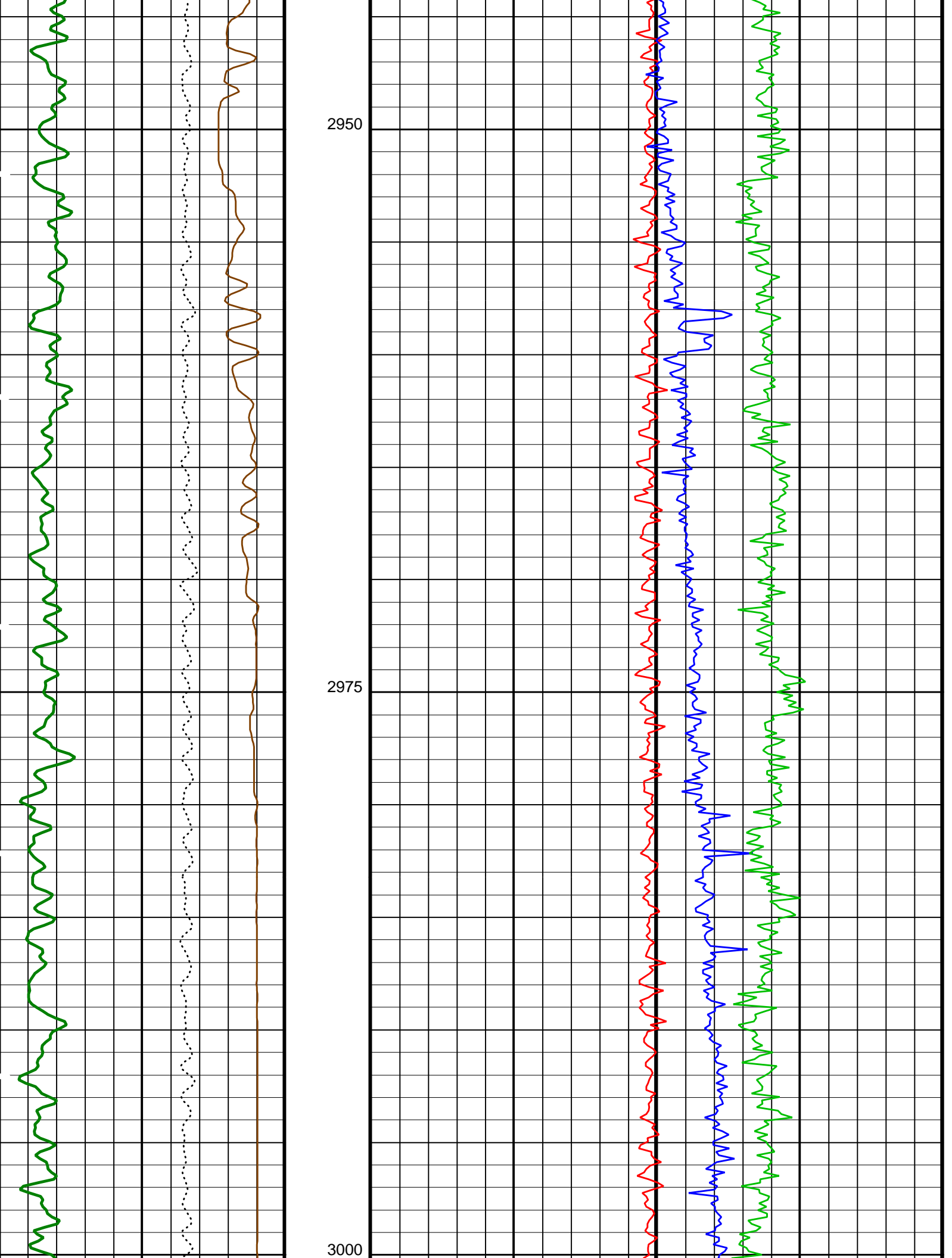
MSS_LDEO-A	17C0-154	GPIT-A/B	SRPC-3762-Q1_2009_OP17
DTA-A	17C0-154	HLDS	17C0-154
LDSC-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

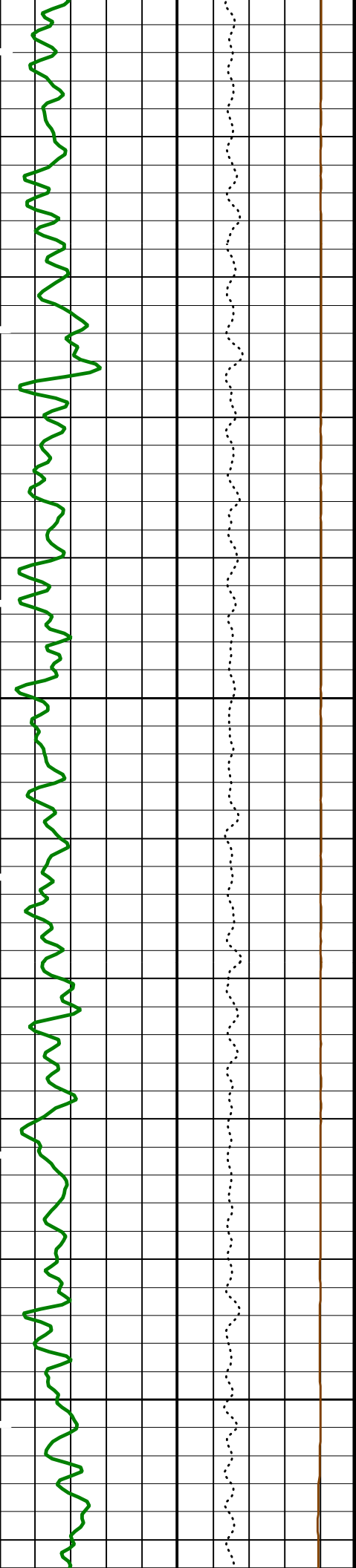
PIP SUMMARY

Time Mark Every 60 S



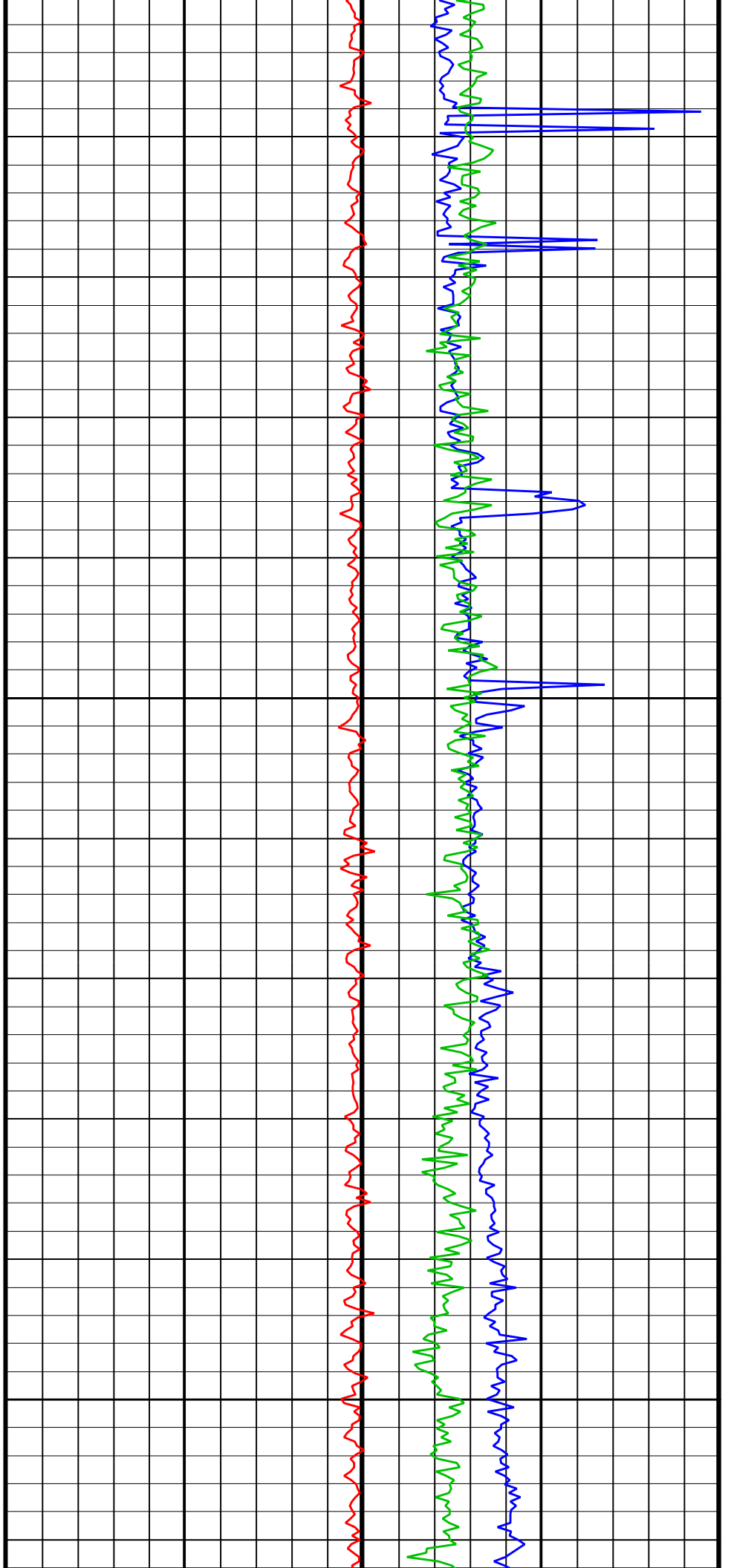


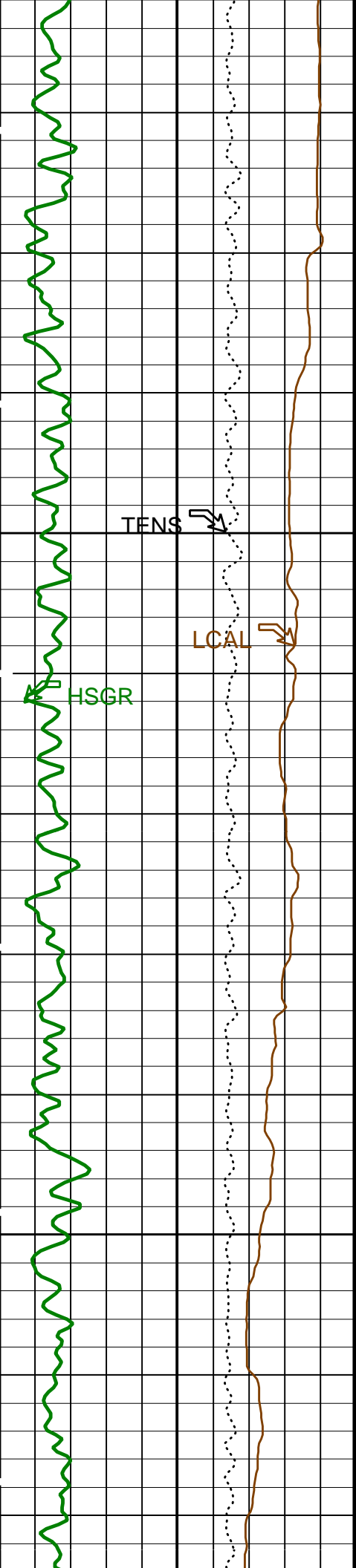




3025

3050





3075

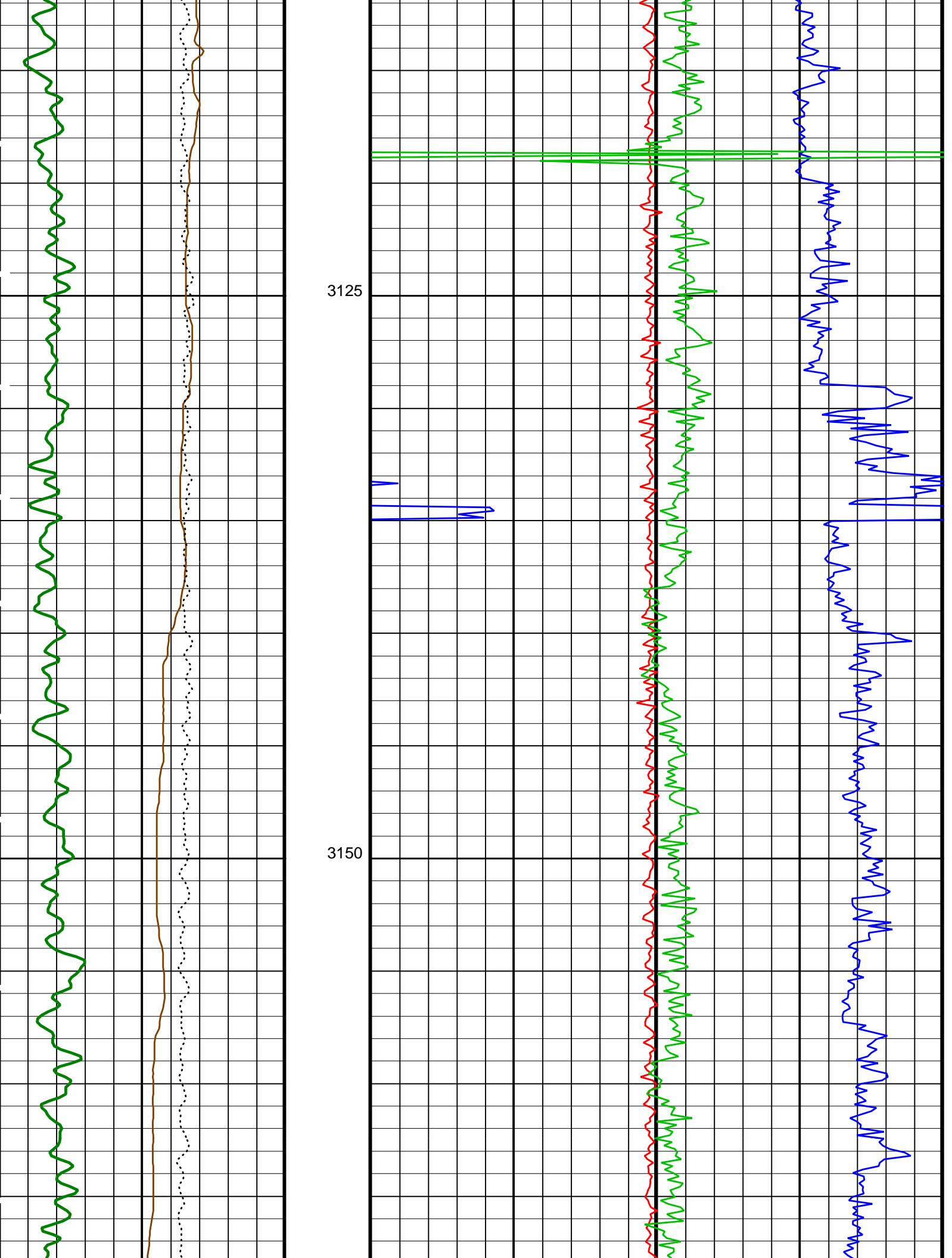
3100

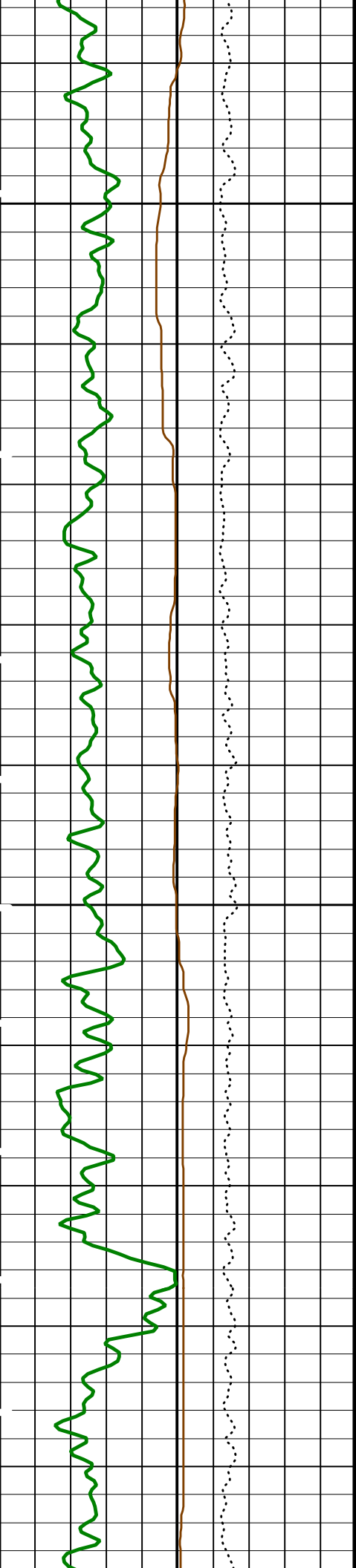
MSSL SUS_LDEO

MSSH SUS_LDEO

MSSZ ACC_LDEO

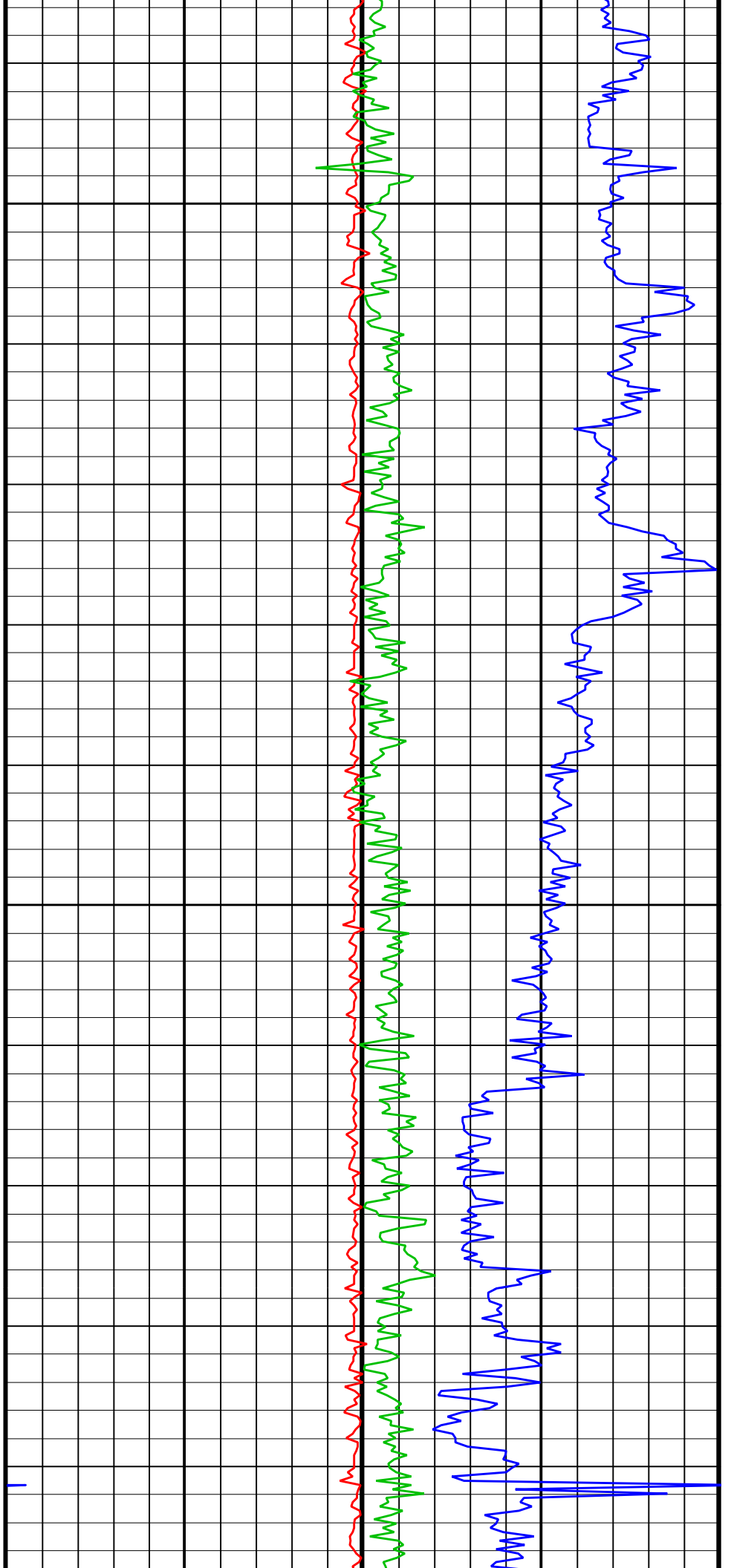


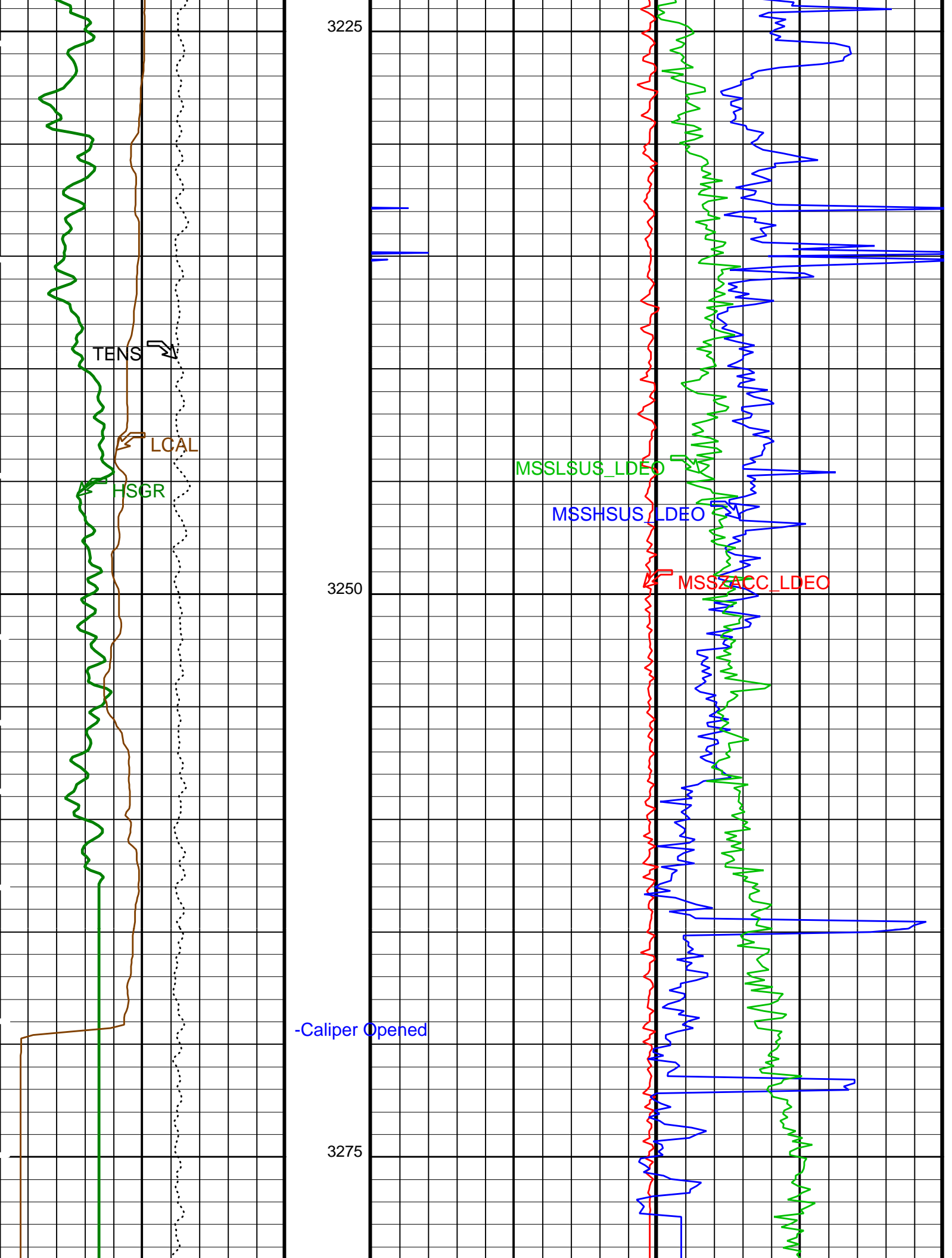




3175

3200





Caliper (LCAL) (IN)		0	20	Axial Acceleration (MSSZACC_LDEO) (M/S2)		0	20
Tension (TENS) (LBF)		10000	0	High-Res Susceptibility (MSSHSUS_LDEO) (PPM)		-7000	-6000
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)		0	15	Dual-Coil Susceptibility (MSSLSUS_LDEO) (PPM)		-4000	-3000

Pass #3

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
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	-0.000831975	
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	0.929292	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.85925	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.10	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	OFF	

Format: MSS_Logging

Vertical Scale: 1:200

Graphics File Created: 03-Mar-2009 19:45

OP System Version: 17C0-154

MSS_LDEO-A	17C0-154	GPIT-A/B	SRPC-3762-Q1_2009_OP17
DTA-A	17C0-154	HLDS	17C0-154
LDSC-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

Input DLIS Files

PLAY	MSS_LDEO_LDL_NGS_081PUP	FN:138	PRODUCER	03-Mar-2009 19:05	3280.4 M	2887.8 M
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Output DLIS Files

DEFAULT	MSS_LDEO_LDL_NGS_103PUP	FN:159	PRODUCER	03-Mar-2009 19:45
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Pass # 3

Company: Lamont Doherty

Well: Expedition 320T Site U1330A

Input DLIS Files

PLAY MSS_LDEO_LDL_NGS_080PUP FN:137 PRODUCER 03-Mar-2009 19:05 3285.0 M 3077.9 M

Output DLIS Files

DEFAULT MSS_LDEO_LDL_NGS_102PUP FN:158 PRODUCER 03-Mar-2009 19:38 3285.0 M 3077.9 M

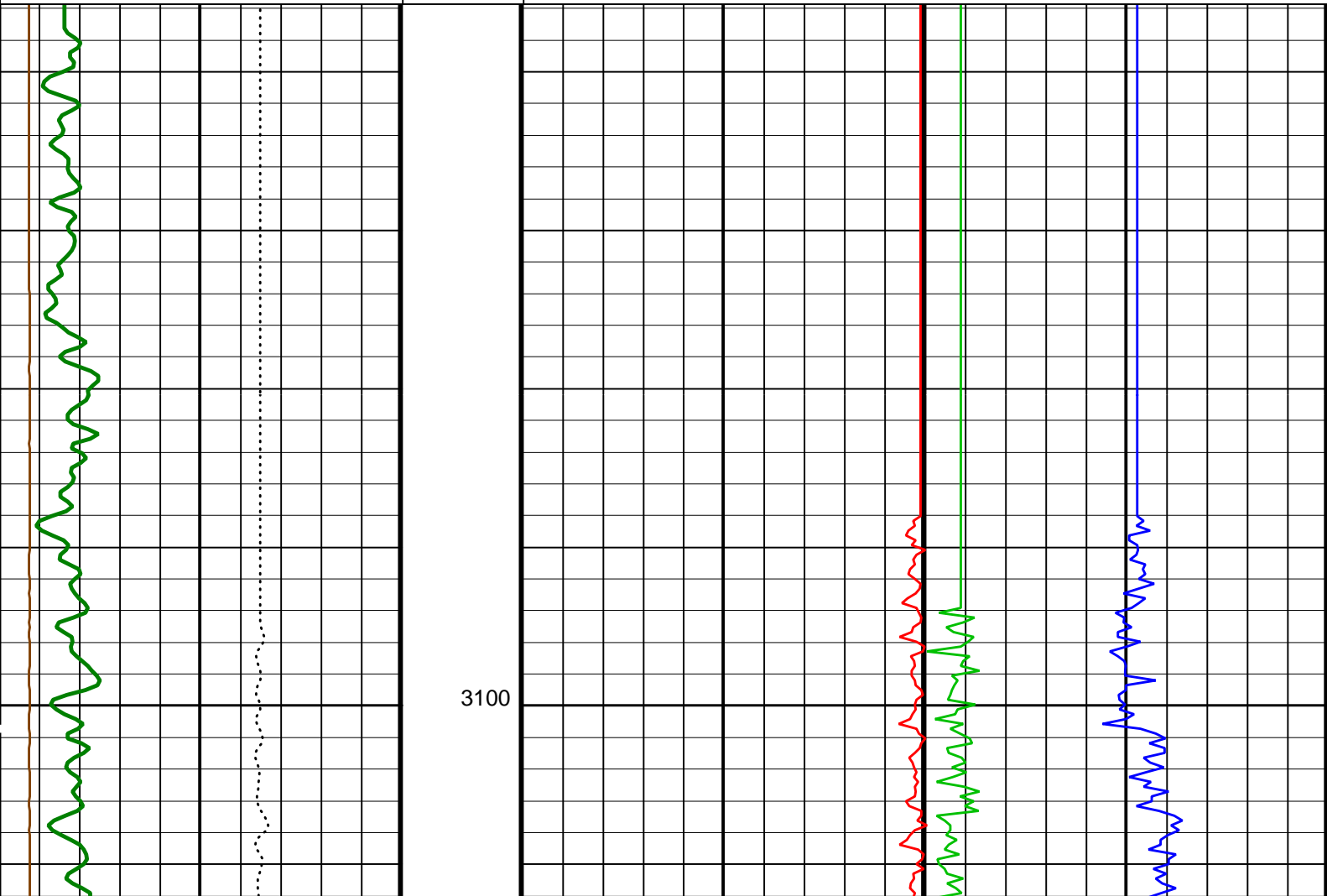
OP System Version: 17C0-154

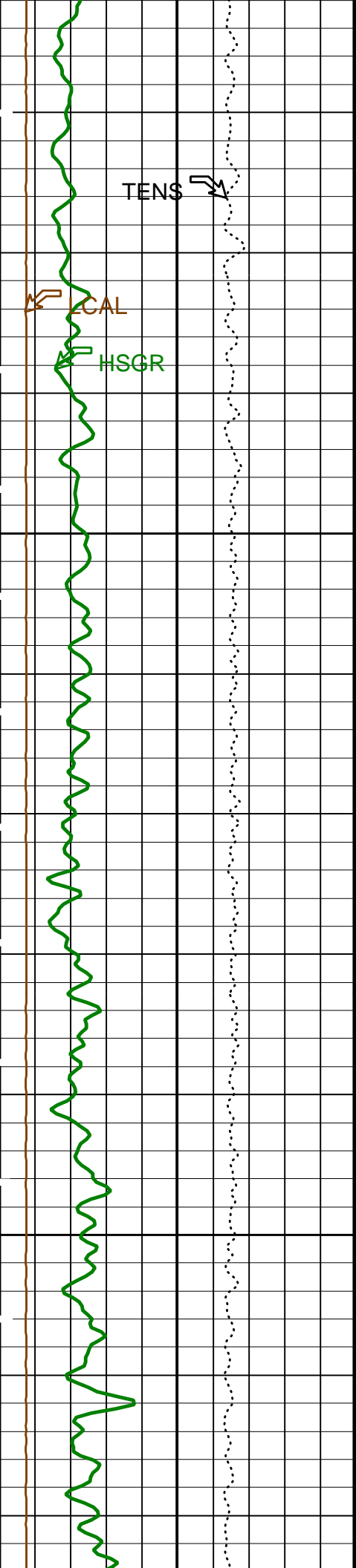
MSS_LDEO-A	17C0-154	GPIT-A/B	SRPC-3762-Q1_2009_OP17
DTA-A	17C0-154	HLDS	17C0-154
LDSC-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

PIP SUMMARY

Time Mark Every 60 S

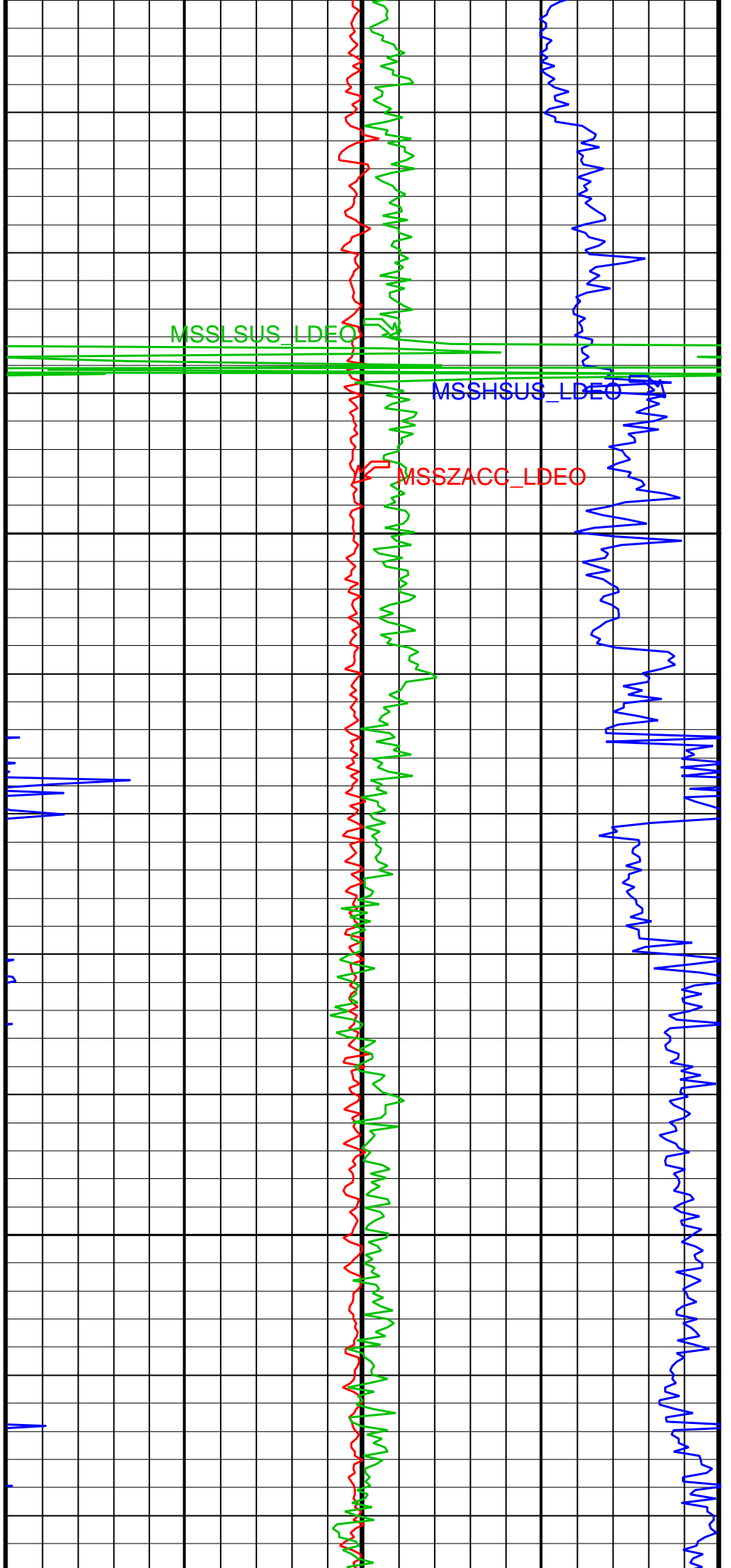
<p>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 15</p>		<p>Dual-Coil Susceptibility (MSSLSUS_LDEO) (PPM) -4000 -3000</p>
<p>Tension (TENS) (LBF) 10000 0</p>	<p>Pass #2</p>	<p>High-Res Susceptibility (MSSHUSUS_LDEO) (PPM) -7000 -6000</p>
<p>Caliper (LCAL) (IN) 0 20</p>		<p>Axial Acceleration (MSSZACC_LDEO) (M/S2) 0 20</p>

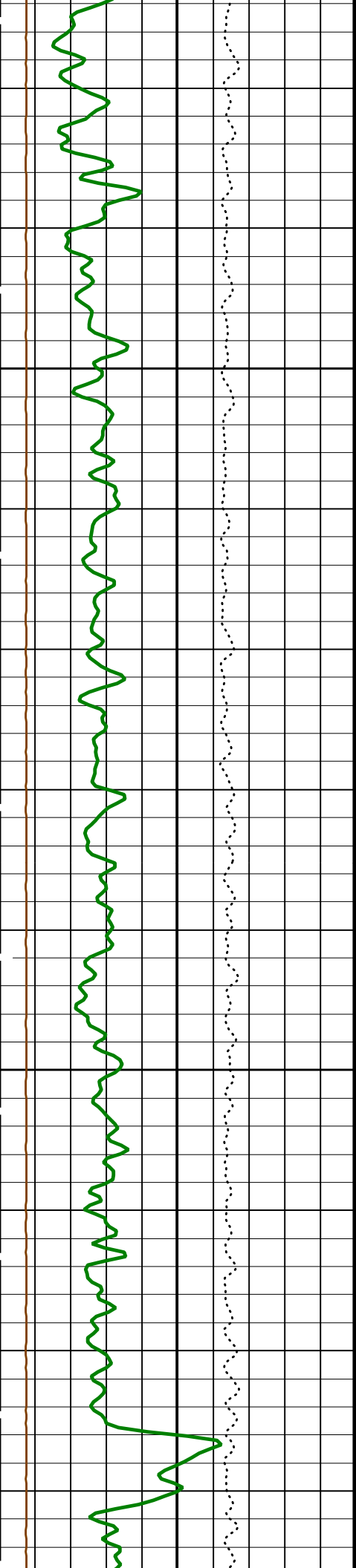




3125

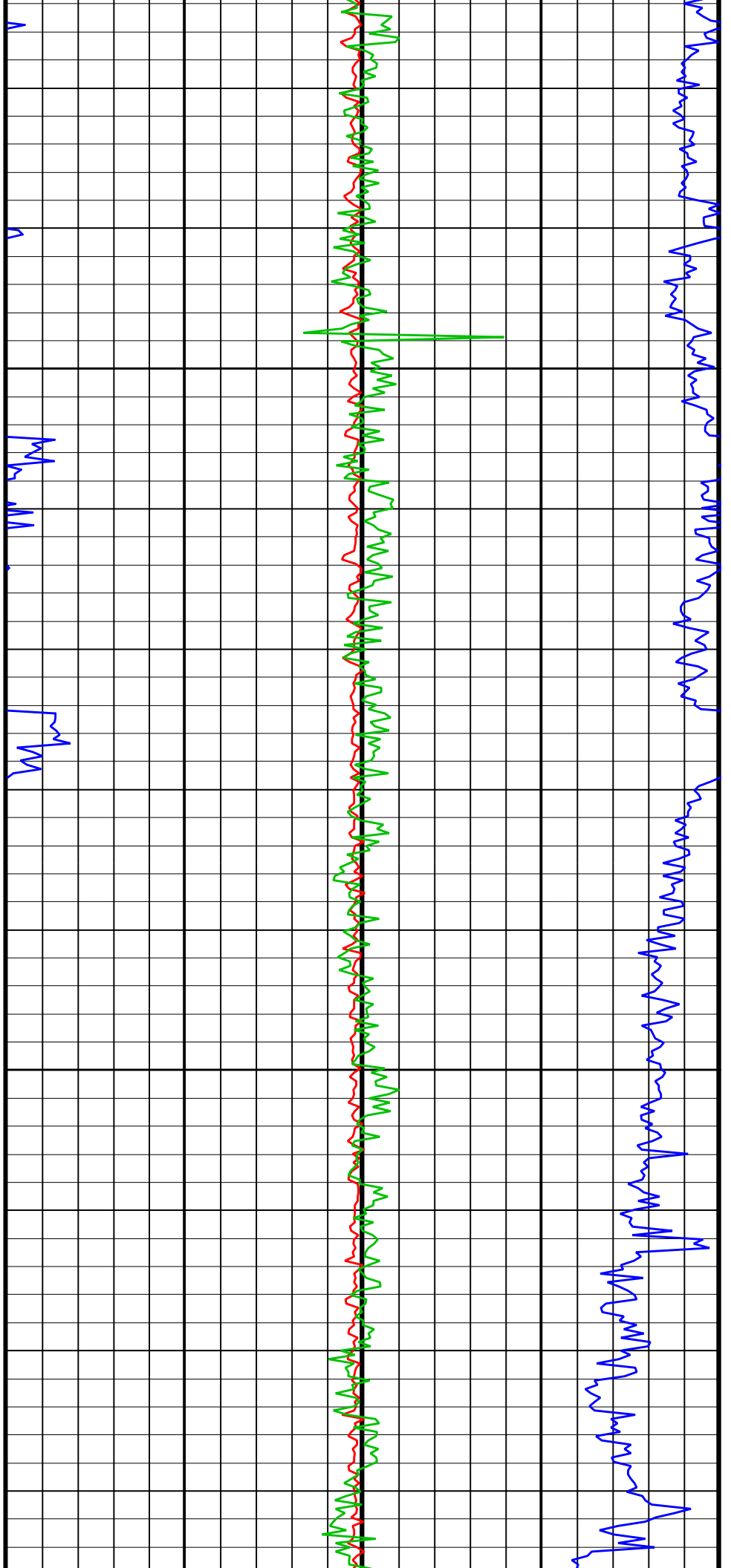
3150

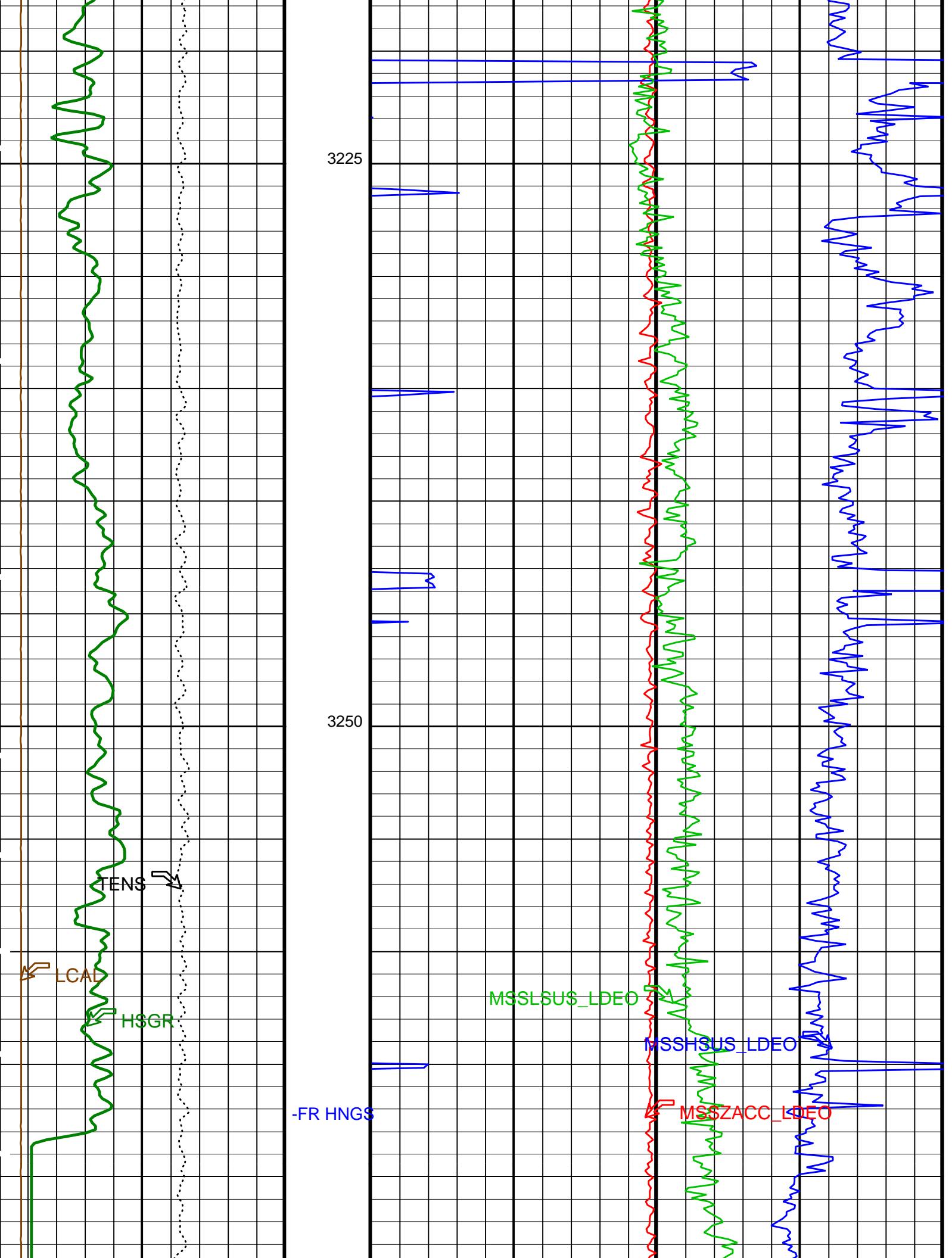


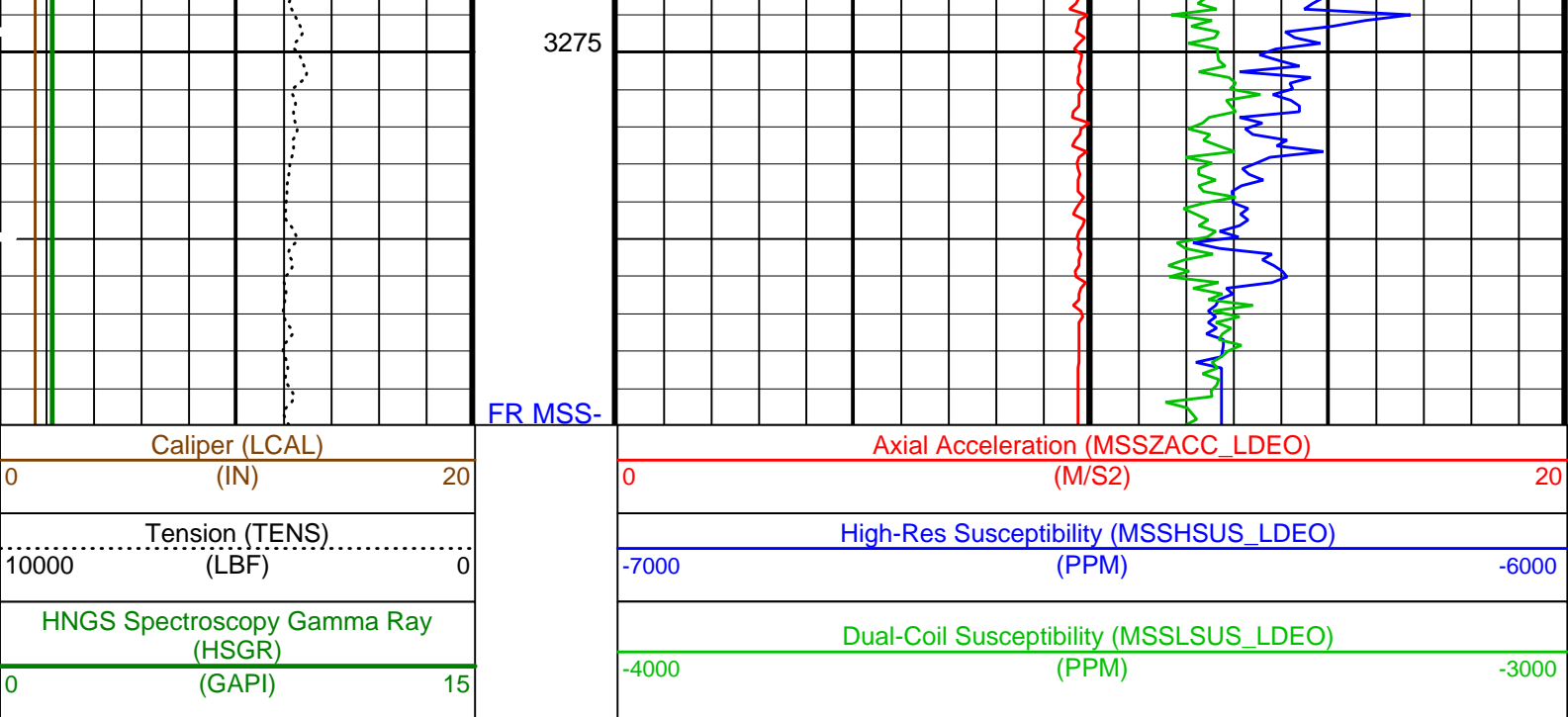


3175

3200







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
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	-0.000831975
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	0.929292
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.85925
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.10 G/C3
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	OFF

Format: MSS_Logging

Vertical Scale: 1:200

Graphics File Created: 03-Mar-2009 19:38

OP System Version: 17C0-154

MSS_LDEO-A	17C0-154	GPIT-A/B	SRPC-3762-Q1_2009_OP17
DTA-A	17C0-154	HLDS	17C0-154
LDSC-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

Input DLIS Files

PLAY	MSS_LDEO_LDL_NGS_080PUP	FN:137	PRODUCER	03-Mar-2009 19:05	3285.0 M	3077.9 M
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Output DLIS Files

DEFAULT

MSS_LDEO_LDL_NGS_102PUP

FN:158

PRODUCER

03-Mar-2009 19:38

SECOND PASS

MAXIS Field Log

Company: Lamont Doherty

Well: Expedition 320T Site U1330A

Input DLIS Files

DEFAULT MSS_LDEO_LDL_NGS_065LUP FN:110 PRODUCER 18-Feb-2009 19:50 3287.3 M 3079.2 M

Output DLIS Files

DEFAULT MSS_LDEO_LDL_NGS_101PUP FN:157 PRODUCER 03-Mar-2009 19:01 3287.3 M 3079.2 M

OP System Version: 17C0-154

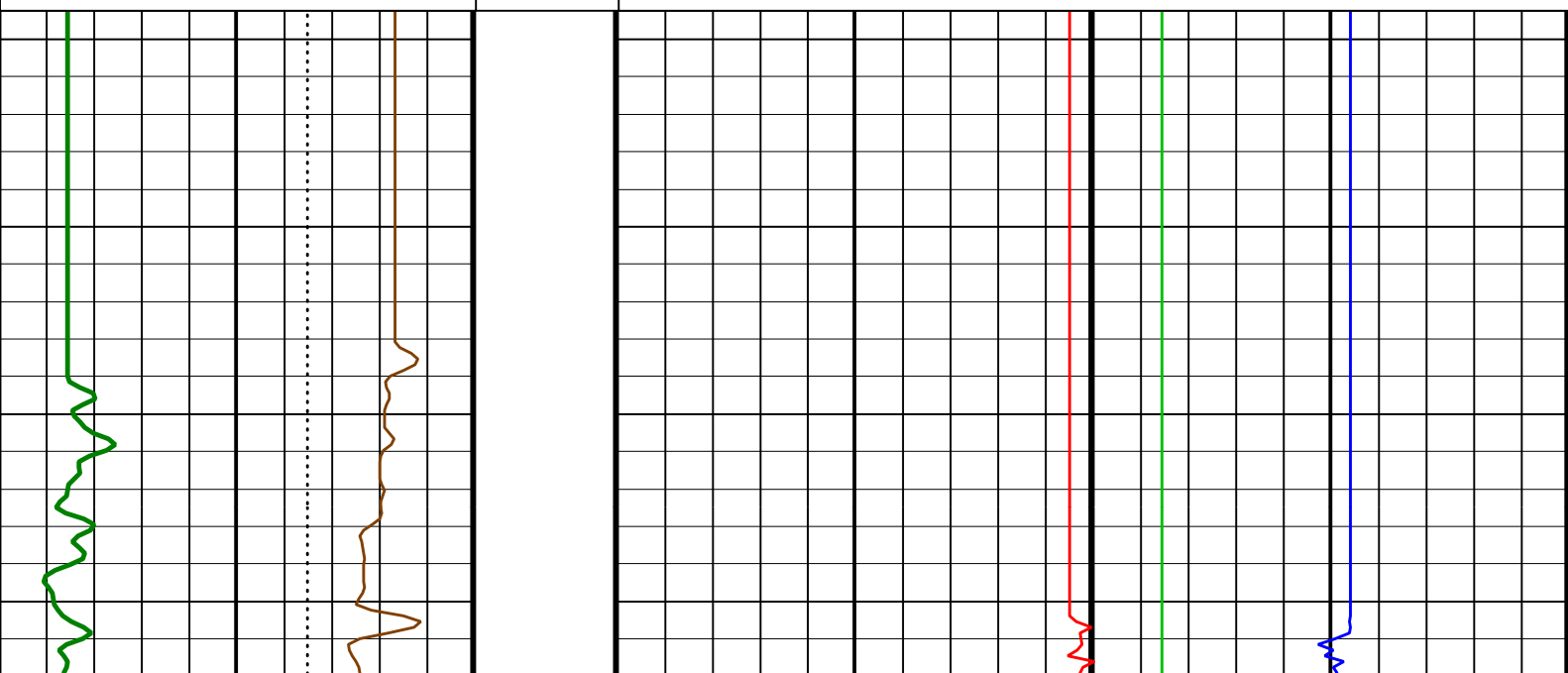
MSS_LDEO-A	17C0-154	GPIT-A/B	SRPC-3762-Q1_2009_OP17
DTA-A	17C0-154	HLDS	17C0-154
LDSC-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

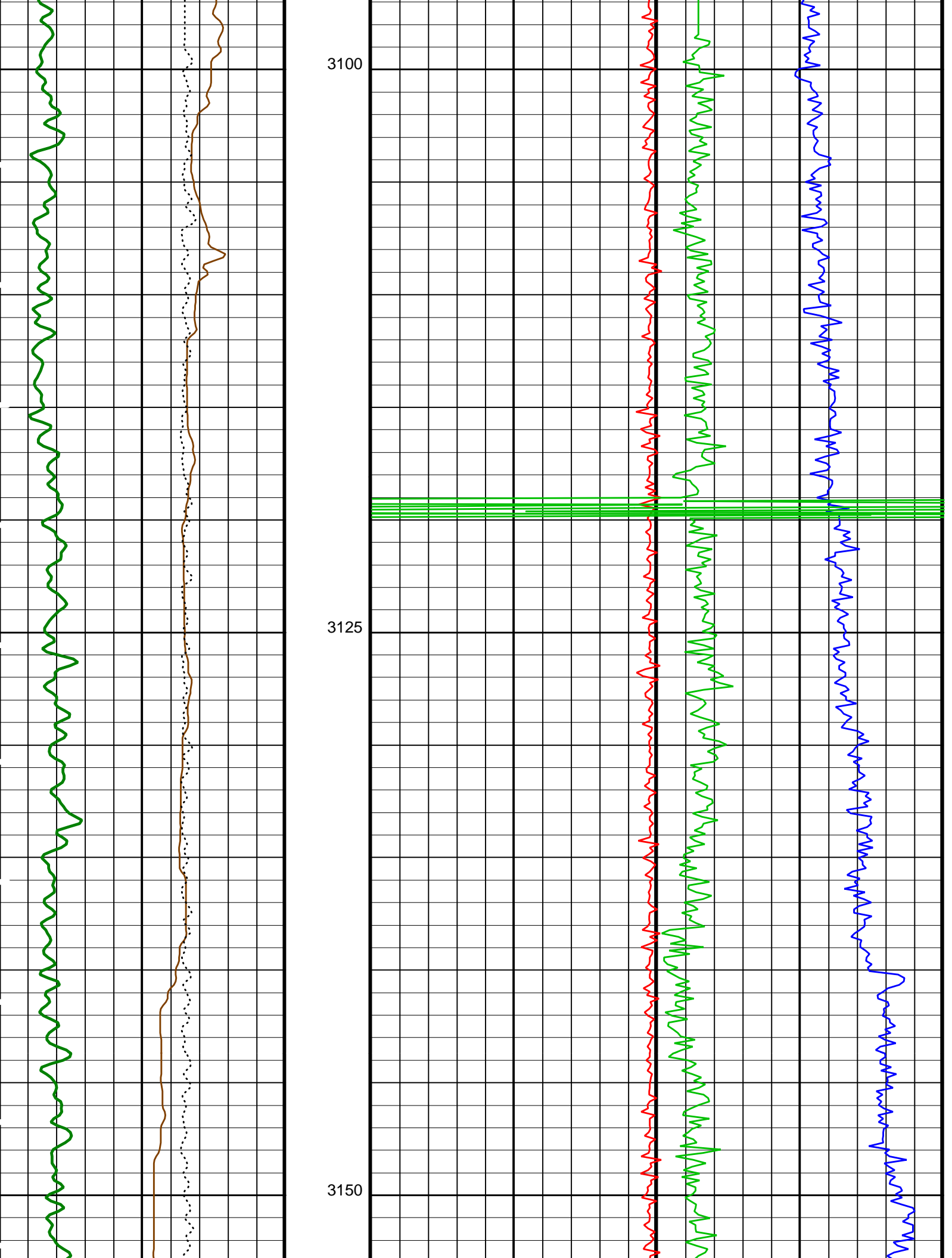
Pass #1

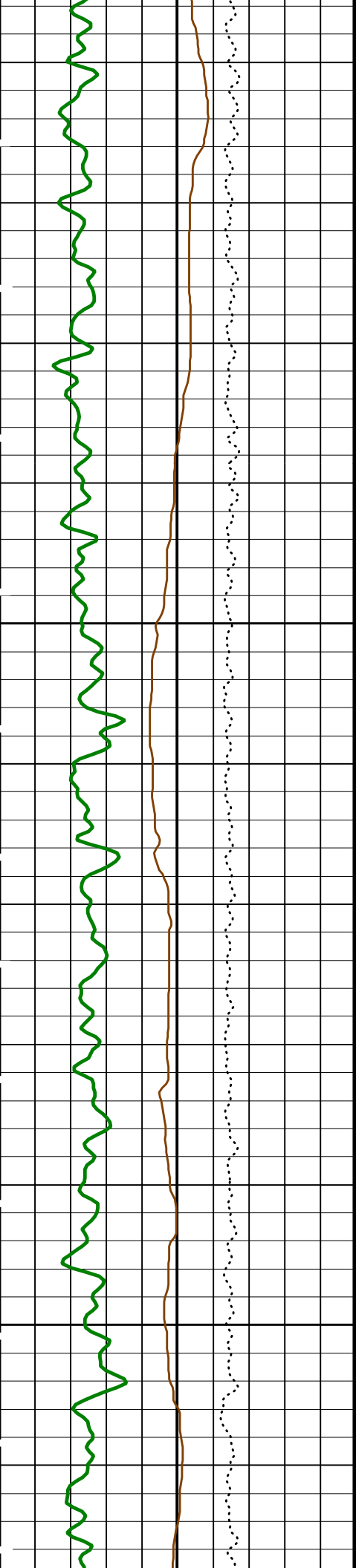
PIP SUMMARY

Time Mark Every 60 S

<p>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 15</p>	<p>Dual-Coil Susceptibility (MSSLSUS_LDEO) (PPM) -4000 -3000</p>
<p>Tension (TENS) (LBF) 10000 0</p>	<p>High-Res Susceptibility (MSSHUSUS_LDEO) (PPM) -7000 -6000</p>
<p>Caliper (LCAL) (IN) 0 20</p>	<p>Axial Acceleration (MSSZACC_LDEO) (M/S2) 0 20</p>

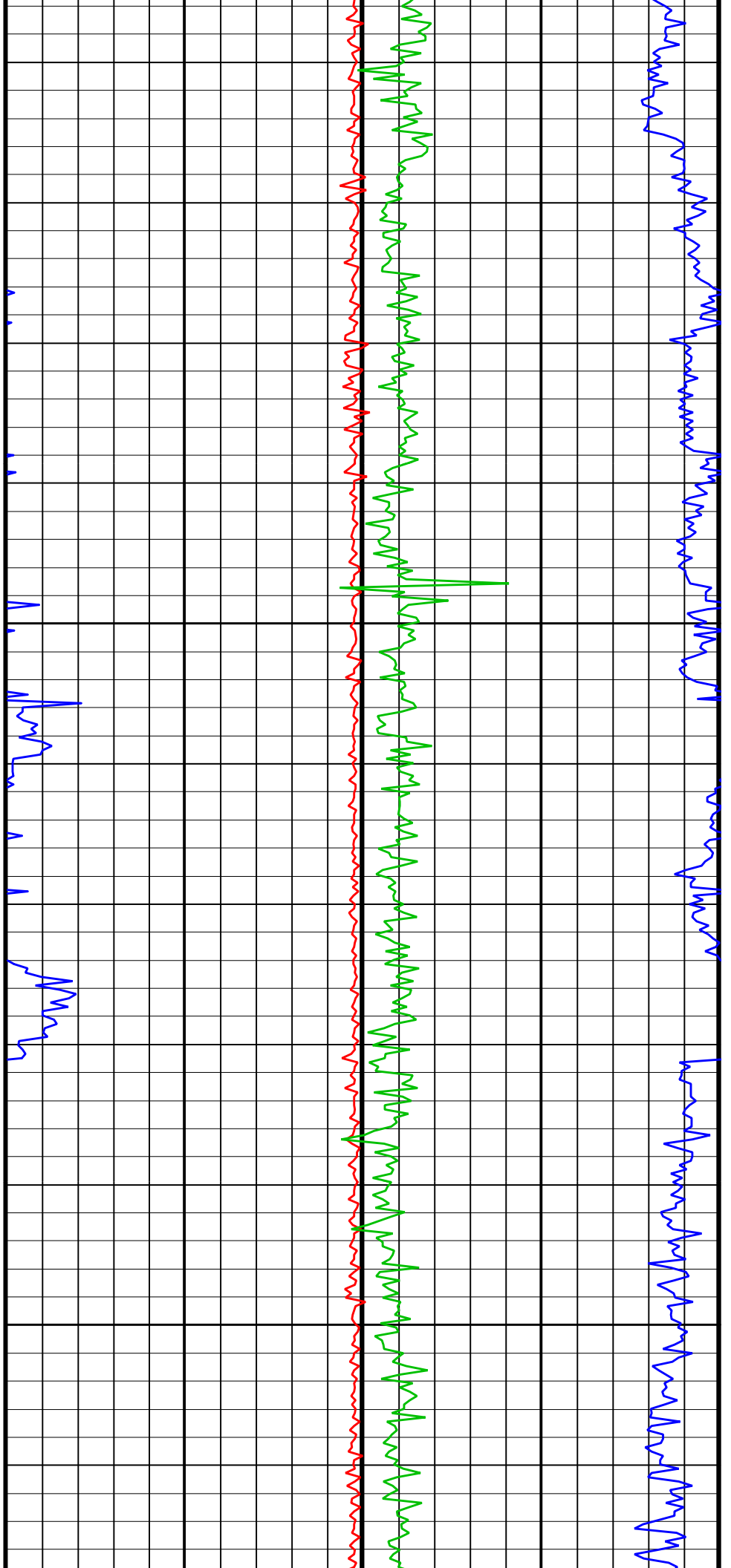


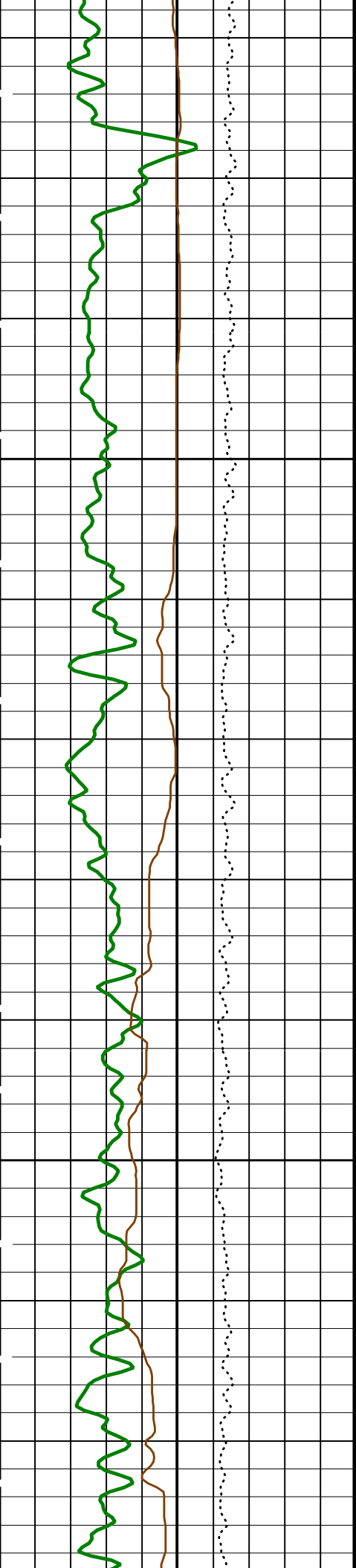




3175

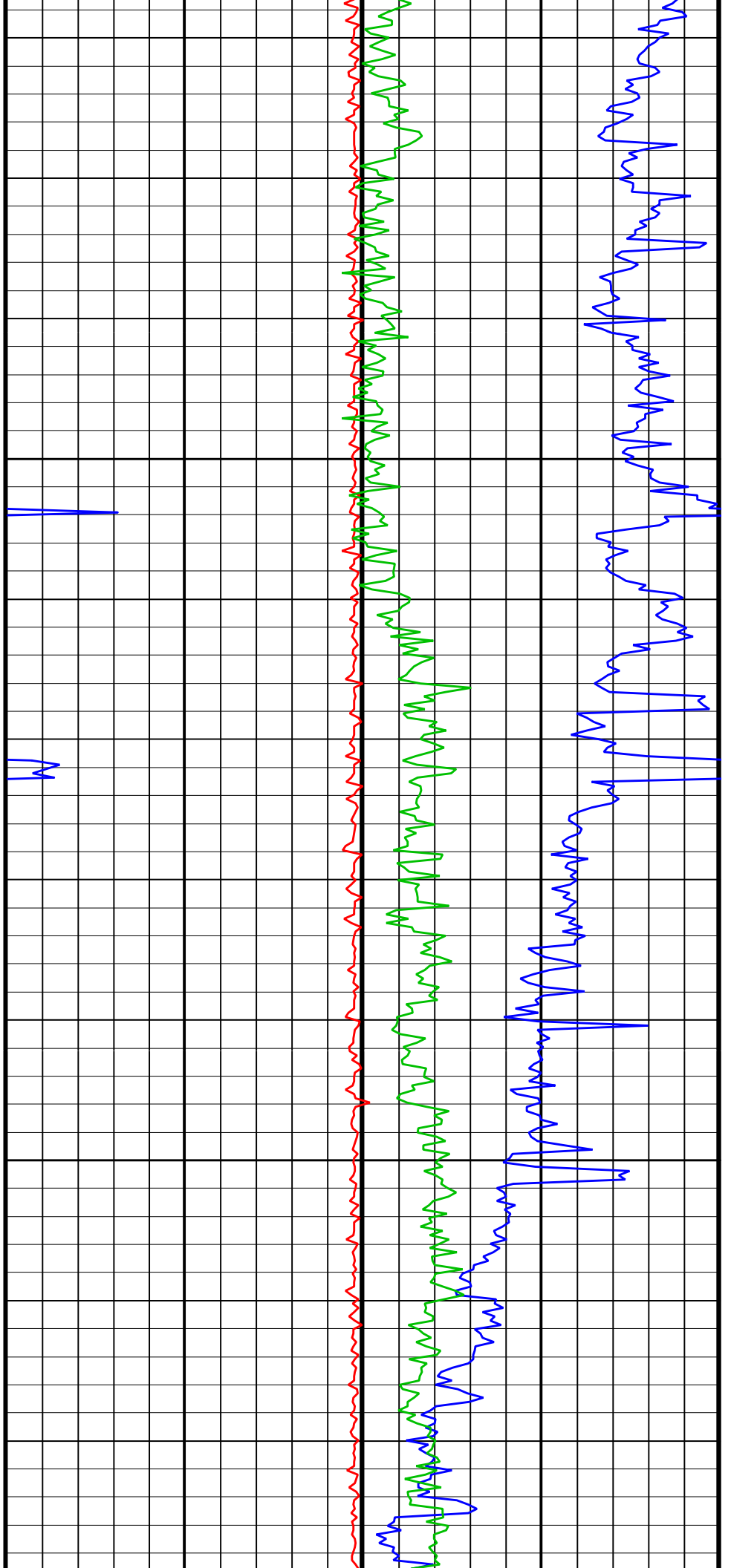
3200

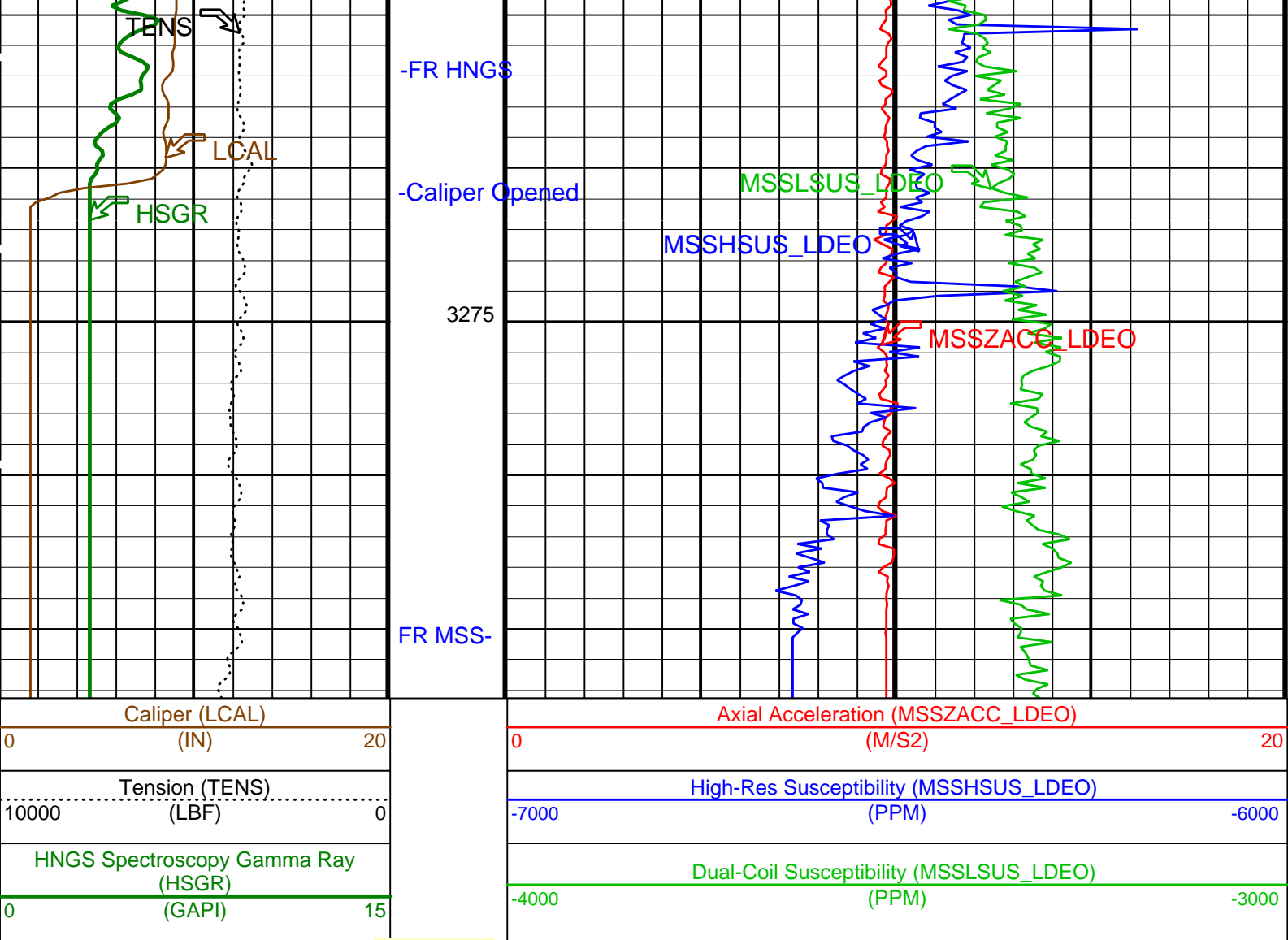




3225

3250





Pass #1

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
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	-0.000831975	
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	0.929292	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.85925	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.10	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	OFF	

OP System Version: 17C0-154

MSS_LDEO-A	17C0-154	GPIT-A/B	SRPC-3762-Q1_2009_OP17
DTA-A	17C0-154	HLDS	17C0-154
LDSC-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

Input DLIS Files

DEFAULT	MSS_LDEO_LDL_NGS_065LUP	FN:110	PRODUCER	18-Feb-2009 19:50	3287.3 M	3079.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_LDL_NGS_101PUP	FN:157	PRODUCER	03-Mar-2009 19:01
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FIRST PASS

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
General Purpose Inclinator Wellsite Calibration - CROUZET ACCELEROMETER			PROM HAS BEEN READ CORRECTLY				
Before: 12-Feb-2009 10:09							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	743	N/A	N/A	N/A	
General Purpose Inclinator Wellsite Calibration - CROUZET MAGNETOMETER			PROM HAS BEEN READ CORRECTLY				
Before: 12-Feb-2009 10:09							
TEMPERATURE REFERENCE :	N/A	N/A	23	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	9	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	507	N/A	N/A	N/A	
Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement							
Master: Calibration out of date	8-Aug-2008 7:49	Before: 11-Feb-2009 22:41	After: Calibration not done				
SS Cs Resolution Bkg	9.000	8.543	8.544	N/A	N/A	1.800	%
LS Cs Resolution Bkg	9.000	8.493	8.582	N/A	N/A	1.800	%
LSW1 Background	100.0	77.28	76.13	N/A	N/A	0.03000	CPS
LSW2 Background	100.0	70.65	70.13	N/A	N/A	0.03000	CPS
LSW3 Background	200.0	158.8	155.6	N/A	N/A	0.03000	CPS
LSW4 Background	250.0	195.3	189.8	N/A	N/A	0.03000	CPS
LSW5 Background	600.0	439.3	431.0	N/A	N/A	0.03000	CPS
SSW1 Background	100.0	76.13	74.68	N/A	N/A	0.03000	CPS
SSW2 Background	200.0	132.2	129.8	N/A	N/A	0.03000	CPS
SSW3 Background	500.0	350.5	343.8	N/A	N/A	0.03000	CPS
SSW4 Background	270.0	187.4	185.7	N/A	N/A	0.03000	CPS
SSW5 Background	200.0	133.8	132.5	N/A	N/A	0.03000	CPS
Hostile Litho-Density Sonde Wellsite Calibration - Aluminum Measurement							
Master: Calibration out of date	8-Aug-2008 8:58						
LSW1 Aluminum	600.0	518.1	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	773.9	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	946.7	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	473.3	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	438.3	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	2297	N/A	N/A	N/A	N/A	CPS

SSW1 Aluminum	2800	2297	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	6567	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	9498	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	3998	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	538.6	N/A	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration - Lithology Measurement

Master: Calibration out of date 8-Aug-2008 8:46

LSW1 Iron	400.0	381.7	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	666.8	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	893.1	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	465.3	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	431.1	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1780	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	5718	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	9016	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	3838	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	512.8	N/A	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration

Before: 11-Feb-2009 22:03

HLDS Caliper Small Ring	8.000	N/A	10.66	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	12.00	N/A	14.66	N/A	N/A	N/A	IN

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check

Master: Calibration out of date 29-Apr-2008 15:27 Before: 11-Feb-2009 22:36

Na 511 Peak Loc	40.00	40.61	39.69	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.89	17.41	N/A	N/A	2.000	%
High Voltage	1150	1170	1192	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	145.3	142.3	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.978	9.812	N/A	N/A	2.000	%
Temperature	15.50	27.24	36.04	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	47.84	38.46	N/A	N/A	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check

Master: Calibration out of date 29-Apr-2008 15:27 Before: 11-Feb-2009 22:36

Na 511 Peak Loc	40.00	40.68	39.73	N/A	N/A	1.000	
Na 511 Peak Res	15.50	14.89	15.70	N/A	N/A	2.000	%
High Voltage	1150	1247	1272	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	144.4	141.4	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.329	8.903	N/A	N/A	2.000	%
Temperature	15.50	26.21	35.43	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	48.61	39.02	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 29-Apr-2008 15:27 Before: 11-Feb-2009 22:36

Coincidence Count Rate Ratio	1.000	0.9831	0.9864	N/A	N/A	0.05000	
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Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration

Master: Calibration out of date 29-Apr-2008 15:22

Na 511 Peak Set Point	40.00	42.00	--	--	--	--	
Th Peak Loc	209.6	209.6	--	--	--	--	
Th Peak Res	7.000	7.774	--	--	--	--	%
Background Count Rate	142.5	82.62	--	--	--	--	CPS
Gain Ratio	1.000	0.9819	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration

Master: Calibration out of date 29-Apr-2008 15:22

Na 511 Peak Set Point	40.00	42.00	--	--	--	--	
Th Peak Loc	209.6	208.4	--	--	--	--	
Th Peak Res	7.000	7.245	--	--	--	--	%
Background Count Rate	142.5	83.78	--	--	--	--	CPS
Gain Ratio	1.000	0.9747	--	--	--	--	

Dual Induction - E / Equipment Identification

Primary Equipment:

Dual Induction Sonde	DIS - HB	442
Dual Induction Cartridge	DIC - EB	438

Auxiliary Equipment:

Mass Isolated Housing	MIH - ZA	417
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General Purpose Inclinator / Equipment Identification

Primary Equipment:

Primary Equipment: GPIT Cartridge - A	GPIC - A	840
Auxiliary Equipment: GPIT Housing	GPIH - A	2864

Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:		
Hostile Litho Density Sonde	HLDS - D	35
Hostile Litho Density High Voltage	HLDV - D	35
Gamma Source Radioactive	GSR - Z	2326
Auxiliary Equipment:		
Hostile Litho Density Pad	HLDP - C	35
Hostile Litho Density High Voltage Housi	HEH - H	35

Litho-Density Spectroscopy Cartridge - B / Equipment Identification

Primary Equipment:		
LDSC Cartridge	LDSC - B	521
Auxiliary Equipment:		
LDSC Housing	LDSH - A	126

Hostile Natural Gamma Ray Cartridge - B / Equipment Identification

Primary Equipment:		
HNGC Cartridge	HNGC - B	202
Auxiliary Equipment:		
HNGC Housing	HNGH - A	30

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:		
HNGS Sonde	HNGS - BA	27
Auxiliary Equipment:		
HNGS Sonde Housing	HNSH - BA	27
Gamma Source Radioactive	GSR - U	1154

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		40.61	Master		16.89	Master		1170
Before		39.69	Before		17.41	Before		1192
	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		145.3	Master		9.978	Master		27.24
Before		142.3	Before		9.812	Before		36.04
	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		47.84						
Before		38.46						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: Calibration out of date 29-Apr-2008 15:27 Before: 11-Feb-2009 22:36

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		40.68	Master		14.89	Master		1247
Before		39.73	Before		15.70	Before		1272
	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		144.4	Master		8.329	Master		26.21
Before		141.4	Before		8.903	Before		35.43
	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		48.61						
Before		39.02						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: Calibration out of date 29-Apr-2008 15:27			Before: 11-Feb-2009 22:36					

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9831
Before		0.9864
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: Calibration out of date 29-Apr-2008 15:27		
Before: 11-Feb-2009 22:36		

Hostile Natural Gamma Ray Sonde Master Calibration								
Detector 1 Calibration								
Phase	Na 511 Peak Set Point	Value	Phase	Th Peak Loc	Value	Phase	Th Peak Res %	Value
Master		42.00	Master		209.6	Master		7.774
	38.00 (Minimum) 40.00 (Nominal) 43.00 (Maximum)			201.0 (Minimum) 209.6 (Nominal) 218.3 (Maximum)			5.000 (Minimum) 7.000 (Nominal) 9.000 (Maximum)	
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value			
Master		82.62	Master		0.9819			
	10.00 (Minimum) 142.5 (Nominal) 265.0 (Maximum)			0.9400 (Minimum) 1.000 (Nominal) 1.060 (Maximum)				
Master: Calibration out of date 29-Apr-2008 15:22								

Hostile Natural Gamma Ray Sonde Master Calibration								
Detector 2 Calibration								
Phase	Na 511 Peak Set Point	Value	Phase	Th Peak Loc	Value	Phase	Th Peak Res %	Value
Master		42.00	Master		208.4	Master		7.245
	38.00 (Minimum) 40.00 (Nominal) 43.00 (Maximum)			201.0 (Minimum) 209.6 (Nominal) 218.3 (Maximum)			5.000 (Minimum) 7.000 (Nominal) 9.000 (Maximum)	
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value			
Master		83.78	Master		0.9747			
	10.00 (Minimum) 142.5 (Nominal) 265.0 (Maximum)			0.9400 (Minimum) 1.000 (Nominal) 1.060 (Maximum)				
Master: Calibration out of date 29-Apr-2008 15:22								

DTS Telemetry Tool / Equipment Identification

Primary Equipment:

DTC-H Auxiliary Cartridge
DTC-H Telemetry Cartridge

DTCH - A 8798
DTCH - A 8798

Auxiliary Equipment:

DTCH Telemetry Cartridge Housing

ECH - KC 1777

Company: Lamont Doherty

Schlumberger

Well: Expedition 320T Site U1330A

Field: Ontog-Java Plateau(Equatorial NWPacific)

Rig: JOIDES Resolution

Ocean: Pacific

Lamont Doherty
Magnetic Susceptibility
Gamma Ray