

Company: Lamont Doherty

Well: Expedition 327 Site U1362A

Field: Juan de Fuca

Rig: JOIDES Resolution Country: USA

Temperature (MTT)

LOCATION			
Latitude: N 47° 45.499'	Elev.: K.B. 2672.00 m		
Longitude: W 127° 45.752'	G.L. 0.00 m		
Permanent Datum: _____	Sea Floor _____		
Log Measured From: _____	Drill Floor _____		
Drilling Measured From: _____	Drill Floor _____		
Ocean: Pacific	Max. Well Deviation 0 deg	Longitude N 47° 45.499'	Latitude W 127° 45.752'

Rig: JOIDES Resolution
Field: Juan de Fuca
Location: Latitude: N 47° 45.499'
Well: Expedition 327 Site U1362A
Company: Lamont Doherty

Logging Date	12-Aug-2010	
Run Number	1	
Depth Driller	3200 m	
Schlumberger Depth	3179 m	
Bottom Log Interval	3166.5 m	
Top Log Interval	2762 m	
Casing Driller Size @ Depth	10.750 in @ 2980.5 m	
Casing Schlumberger	2980.5 m	
Bit Size	9.875 in	
Type Fluid In Hole	Seawater	
Density	1.03 g/cm3	
Fluid Loss	PH	
Source Of Sample	N/A	
RM @ Measured Temperature	@ @	
RMF @ Measured Temperature	@ @	
RMC @ Measured Temperature	@ @	
Source RMF	N/A	
RM @ MRT	@ 15 @ 15	
Maximum Recorded Temperatures	15 degC	
Circulation Stopped	Time 1-Jan-2010 23:00	
Logger On Bottom	Time 12-Aug-2010 5:00	
Unit Number	625003 Houston	
Recorded By	C. Furman	
Witnessed By	S. Mrozewski	

MUD			
RM @ Measured Temperature	@ @		
RMF @ Measured Temperature	@ @		
RMC @ Measured Temperature	@ @		
Source RMF	RMC		
RM @ MRT	RMF @ MRT		
Maximum Recorded Temperatures	15 degC		
Circulation Stopped	Time	1-Jan-2010 23:00	
Logger On Bottom	Time	12-Aug-2010 5:00	
Unit Number	Location	625003 Houston	
Recorded By	C. Furman		
Witnessed By	S. Mrozewski		

Logging Date	Run 1	Run 2	R
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
Source Of Sample			
RM @ Measured Temperature			
RMF @ Measured Temperature			
RMC @ Measured Temperature			
Source RMF			
RM @ MRT			
Maximum Recorded Temperatures			
Circulation Stopped			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

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OTHER SERVICES1

- OS1: HNGS
- OS2: HLDS
- OS3: UBI

REMARKS: RUN NUMBER 1

Logs run in first hole ("A" hole) of drilling site U1362 for the primary purpose of evaluating borehole condition in preparation to set a drilling packer for a formation injectivity test.

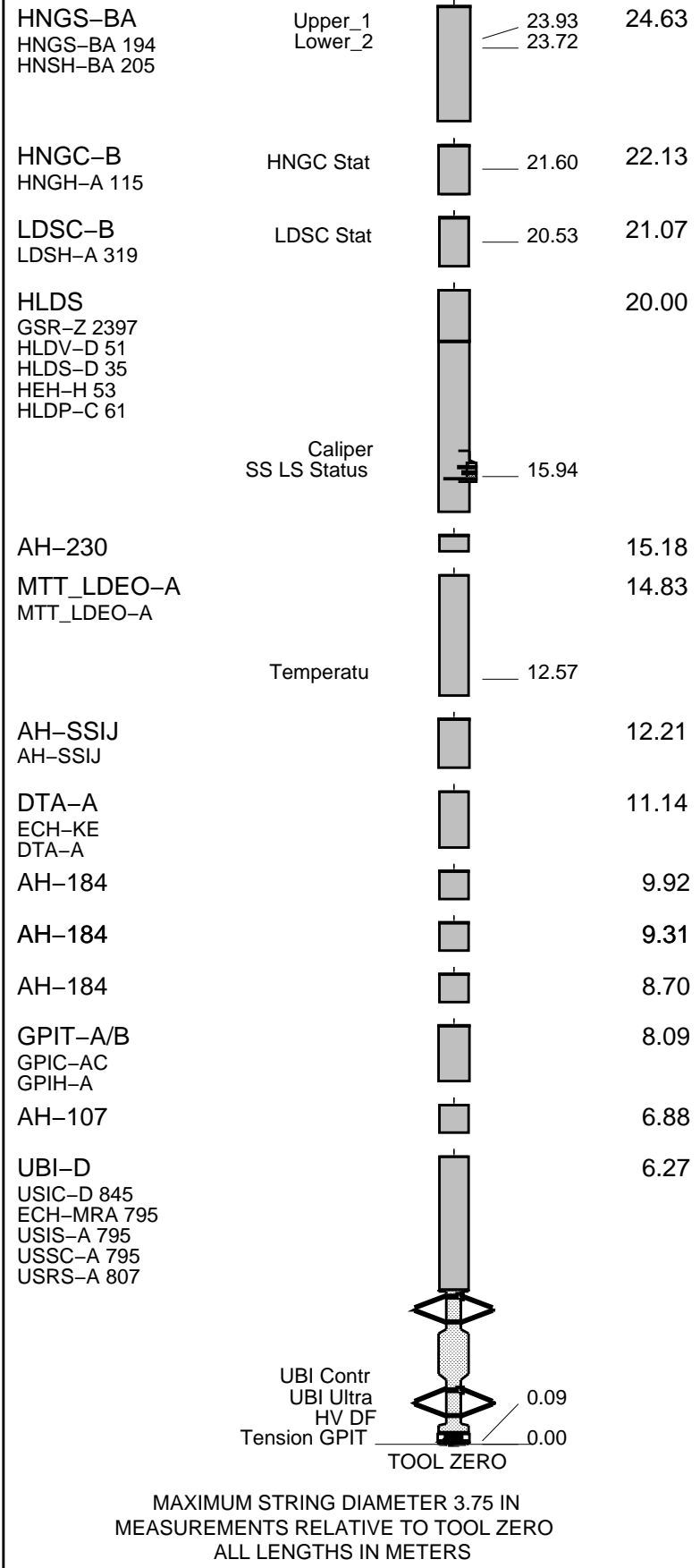
Real-time temperature data provided by the LDEO MTT tool.

Logs depths recorded from drill floor; corrected to match driller's casing shoe.

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

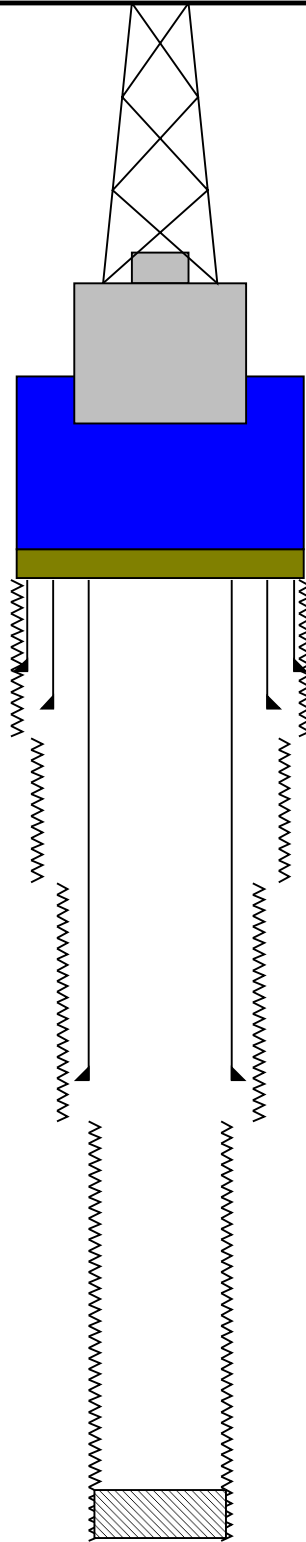
RUN 1		RUN 2	
SURFACE EQUIPMENT			
GSR-U 616008 WITM (DTS)-A			
DOWNHOLE EQUIPMENT			
BSP	SP SPARC	— 26.44	26.44
LEH-QT			26.44
LEH-QT 301			
DTC-H	CTEM	— 25.27	25.55
ECH-KC	TelStatus		
	ToolStatu	— 24.63	



Production String	(in) (m)	Well Schematic	(m) (in)	Casing String
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Kelly Bushing Elevation
 Derrick Floor Elevation
 Mean Sea Level

11.0
 11.0
 0.0



2672.0
 2725.0
 2902.0
 2907.7
 2914.0
 2980.5
 3018.0
 3184.0
 3200.0

20.000
 16.000
 21.500
 18.500
 10.750
 14.750
 9.875

Sea Bed
 Casing Shoe
 Casing Shoe
 Borehole Segment Bottom
 Borehole Segment Bottom
 Casing Shoe
 Borehole Segment Bottom
 Fill Identified by Last Wiper Trip
 Driller's Total Depth



**First Pass
1:200 Scale**

MAXIS Field Log

Company: Lamont Doherty

Well: Expedition 327 Site U1362A

Input DLIS Files

DEFAULT	UBI_MTT_LDEO_LDL_014LUP	FN:13	PRODUCER	12-Aug-2010 08:32	3177.5 M	2943.8 M
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Output DLIS Files

DEFAULT	UBI_MTT_LDEO_LDL_037PUP	FN:36	PRODUCER	12-Aug-2010 21:36	3179.8 M	2946.2 M
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OP System Version: 17C0-154

UBI-D	SRPC-3971-Q1_2010_OP17	GPIT-A/B	SRPC-3971-Q1_2010_OP17
DTA-A	17C0-154	MTT_LDEO-A	17C0-154
HLDS	SPC-3961-OP17_NUCL	LDSC-B	SPC-3961-OP17_NUCL
HNGC-B	SPC-3961-OP17_NUCL	HNGS-BA	SPC-3961-OP17_NUCL

PIP SUMMARY

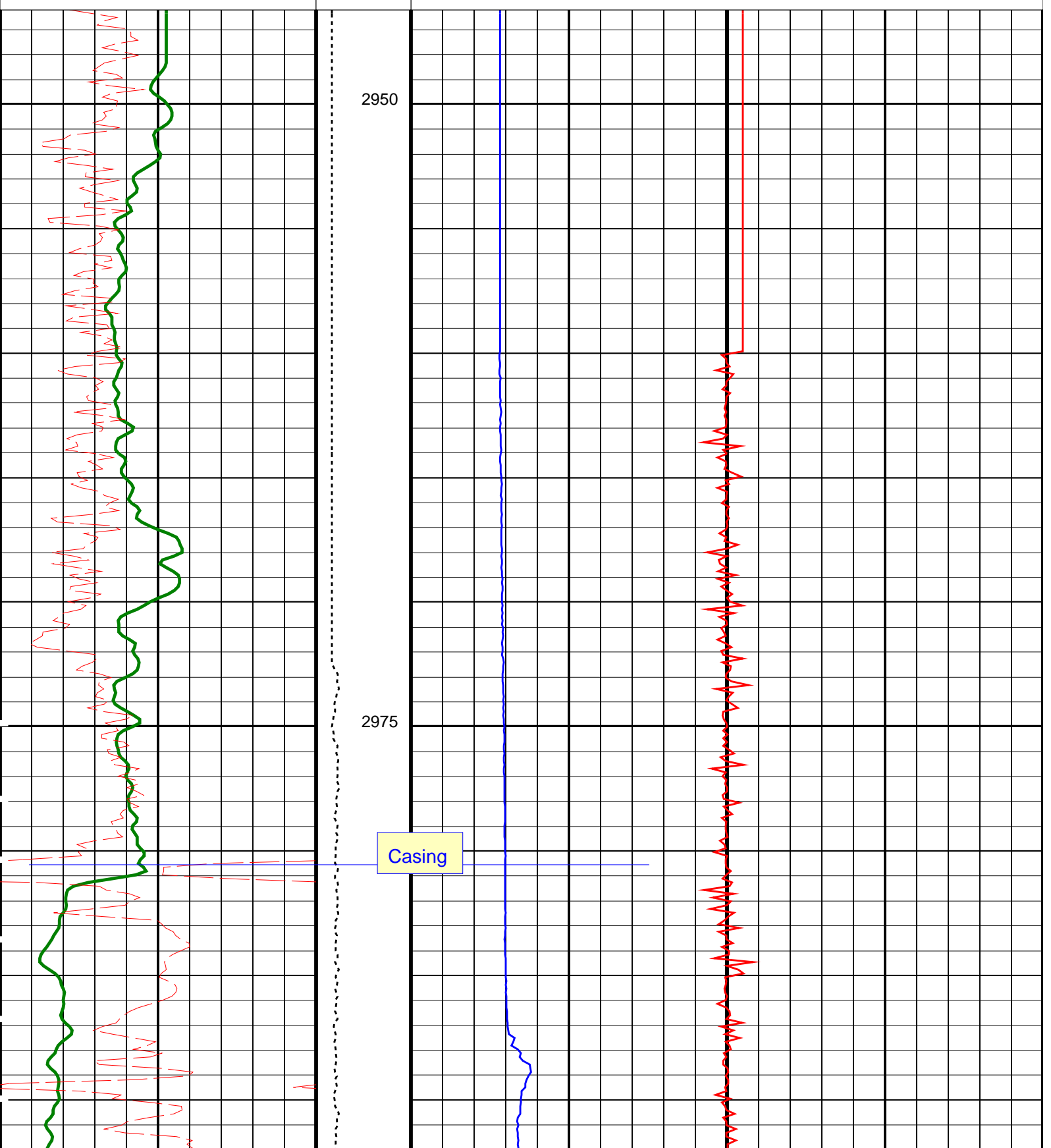
Time Mark Every 60 S

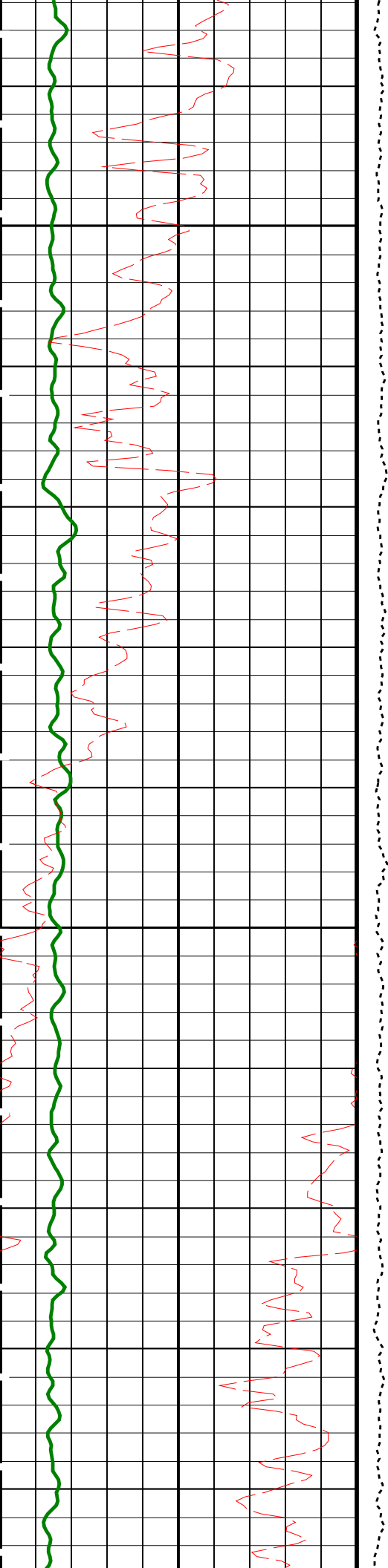
HNGS Spectroscopy Gamma Ray
(HSGR)
0 30
(GAPI)

Well Temperature, Expanded (WTEP_LDEO)
0 20
(DEGC)

SP (SP)
-80 20
(MV)

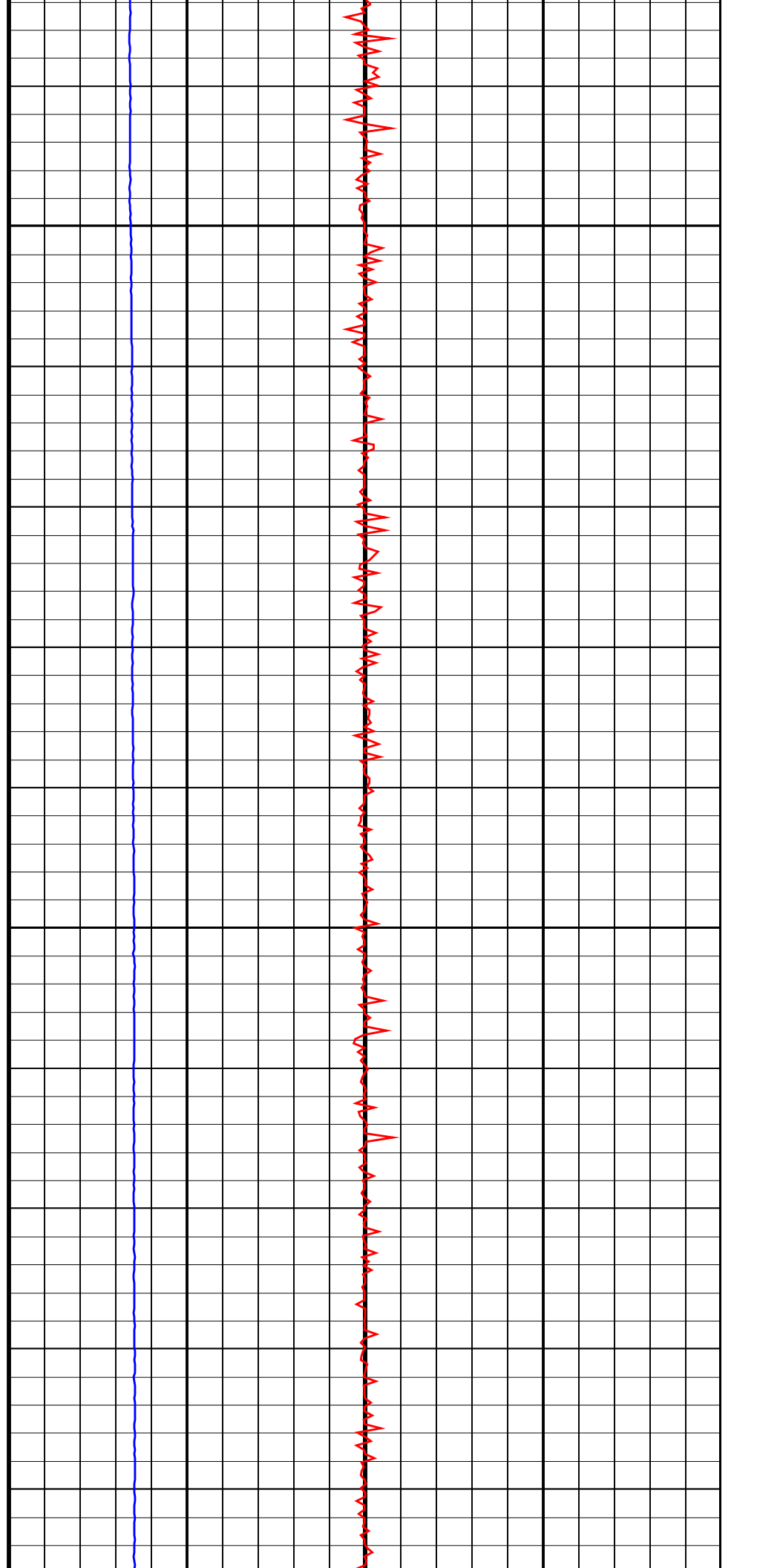
Tension (TENS) (LBF)
0 5000
Axial Acceleration (AZ_LDEO)
0 20
(M/S2)

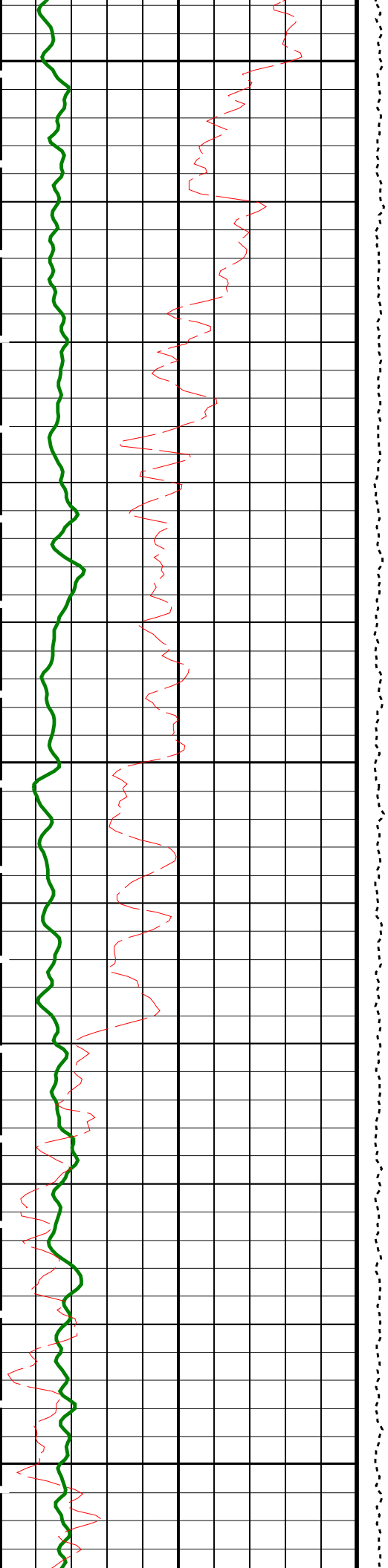




3000

3025

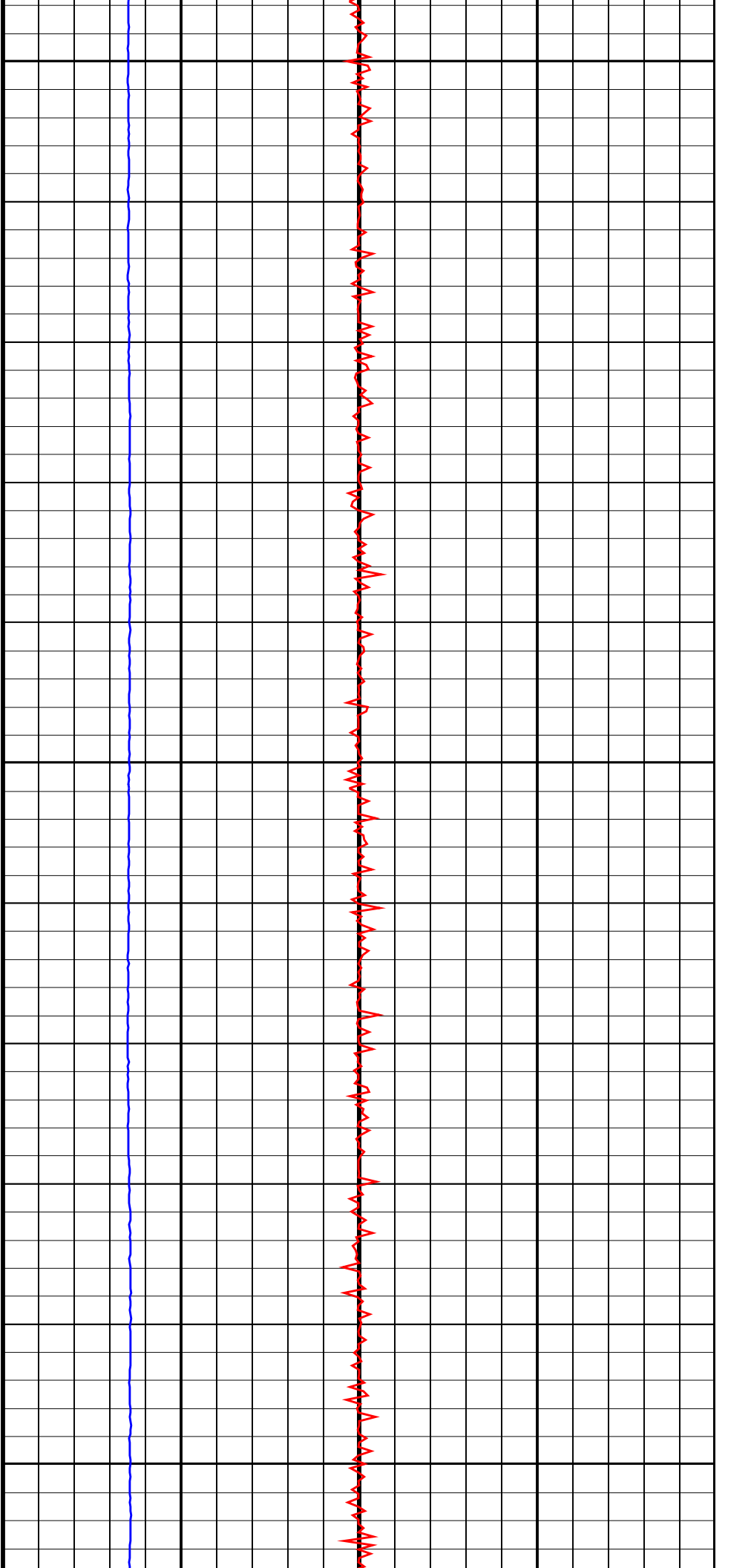


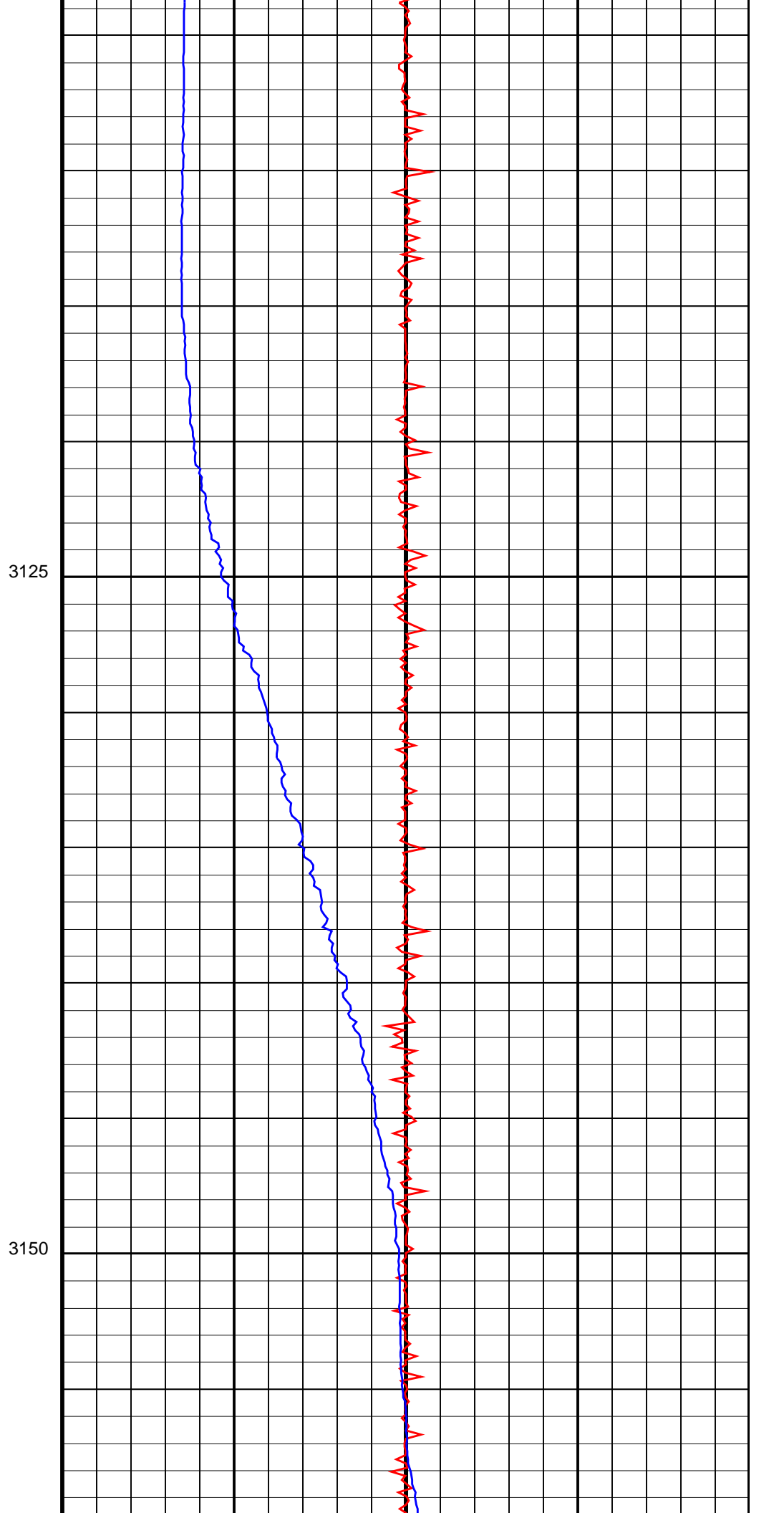
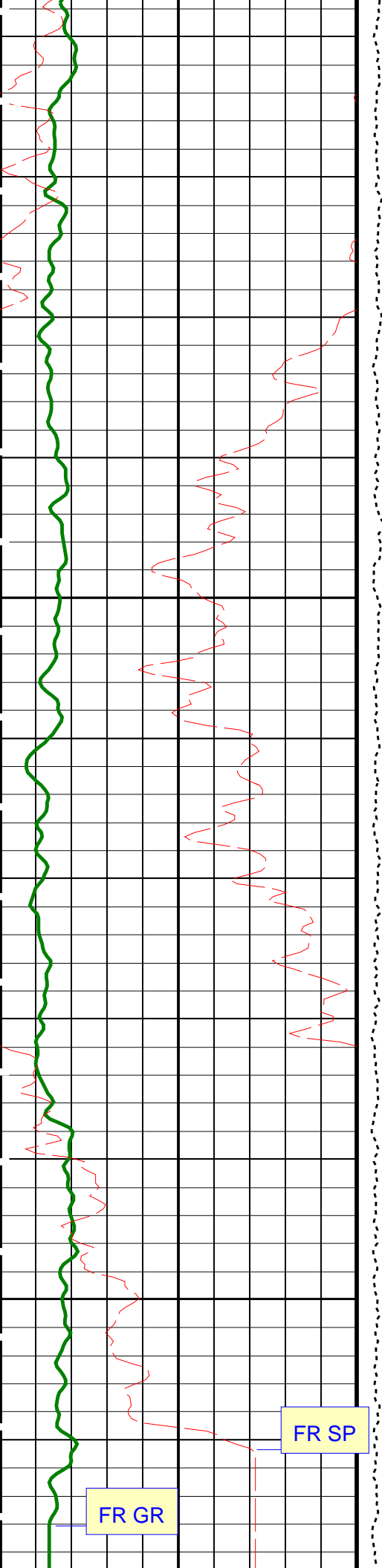


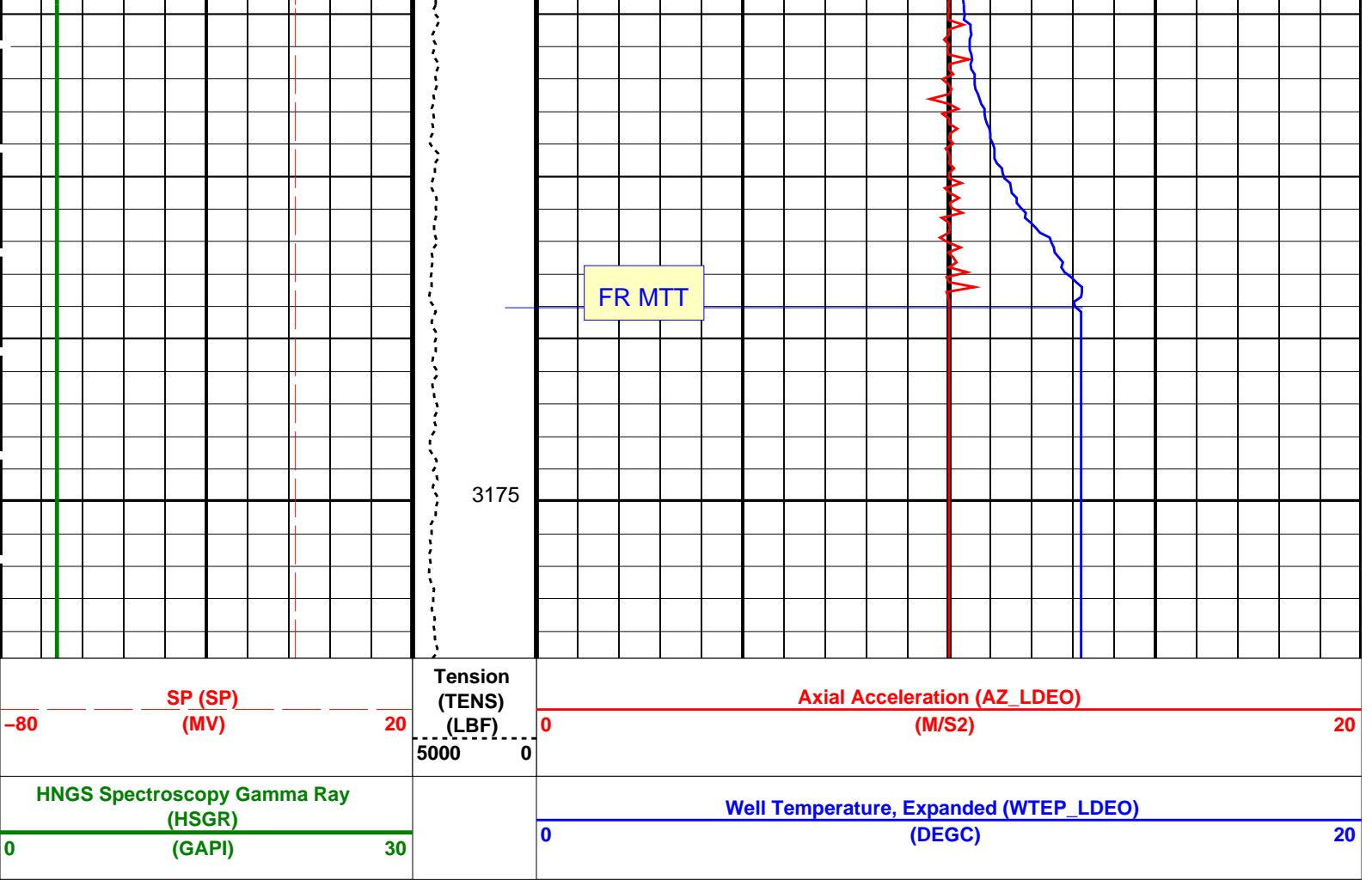
3050

3075

3100







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	-0.00138757	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
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	1.09596	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.08877	
BSP: Bridle SP			
SPNV	SP Next Value	0	MV
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3
DO	Depth Offset for Playback	2.5	M
PP	Playback Processing	RECOMPUTE	

UBI-D	SRPC-3971-Q1_2010_OP17	GPIT-A/B	SRPC-3971-Q1_2010_OP17
DTA-A	17C0-154	MTT_LDEO-A	17C0-154
HLDS	SPC-3961-OP17_NUCL	LDSC-B	SPC-3961-OP17_NUCL
HNGC-B	SPC-3961-OP17_NUCL	HNGS-BA	SPC-3961-OP17_NUCL
DTC-H	17C0-154	BSP	17C0-154

Input DLIS Files

DEFAULT	UBI_MTT_LDEO_LDL_014LUP	FN:13	PRODUCER	12-Aug-2010 08:32	3177.5 M	2943.8 M
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Output DLIS Files

DEFAULT	UBI_MTT_LDEO_LDL_037PUP	FN:36	PRODUCER	12-Aug-2010 21:36		
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Second Pass 1:200 Scale

MAXIS Field Log

Company: Lamont Doherty

Well: Expedition 327 Site U1362A

Input DLIS Files

DEFAULT	UBI_MTT_LDEO_LDL_015LUP	FN:14	PRODUCER	12-Aug-2010 09:57	3177.5 M	2943.9 M
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Output DLIS Files

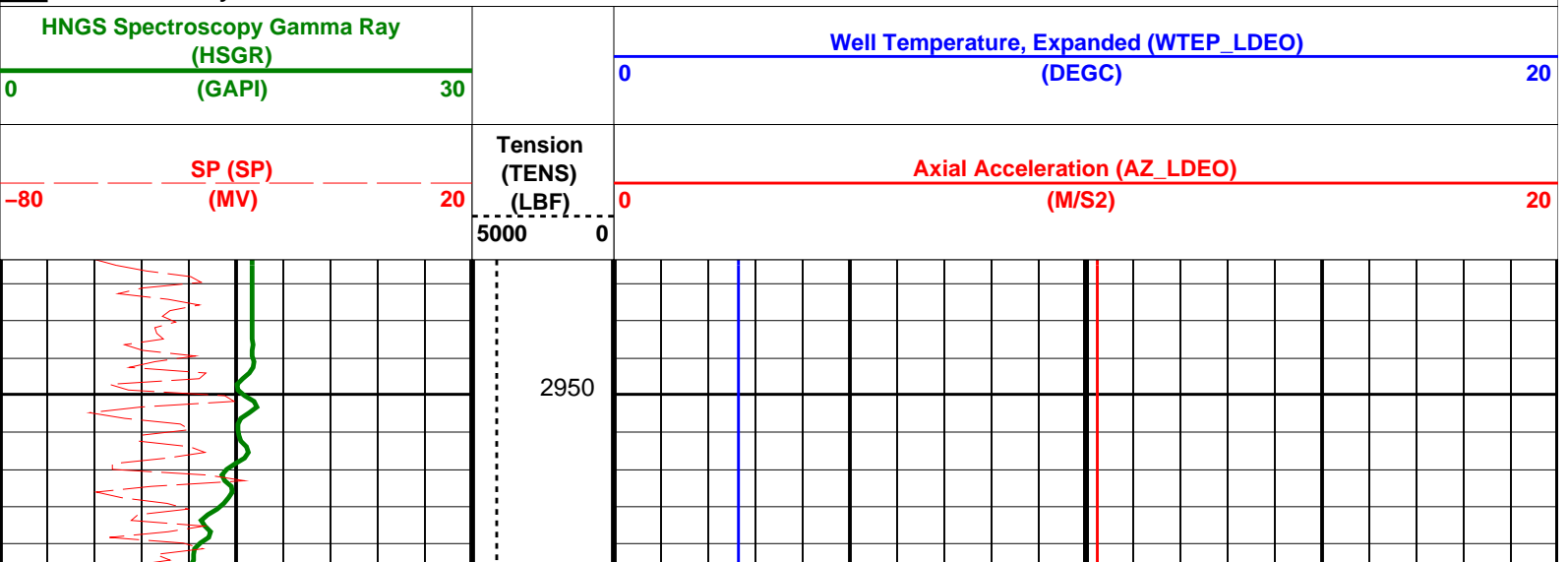
DEFAULT	UBI_MTT_LDEO_LDL_039PUP	FN:38	PRODUCER	12-Aug-2010 21:40	3179.8 M	2946.3 M
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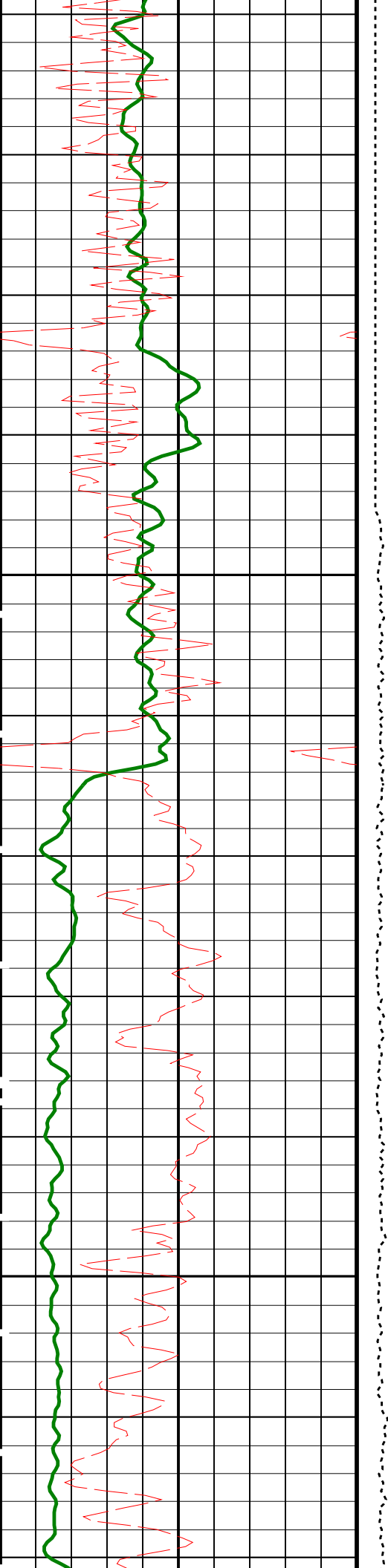
OP System Version: 17C0-154

UBI-D	SRPC-3971-Q1_2010_OP17	GPIT-A/B	SRPC-3971-Q1_2010_OP17
DTA-A	17C0-154	MTT_LDEO-A	17C0-154
HLDS	SPC-3961-OP17_NUCL	LDSC-B	SPC-3961-OP17_NUCL
HNGC-B	SPC-3961-OP17_NUCL	HNGS-BA	SPC-3961-OP17_NUCL
DTC-H	17C0-154	BSP	17C0-154

PIP SUMMARY

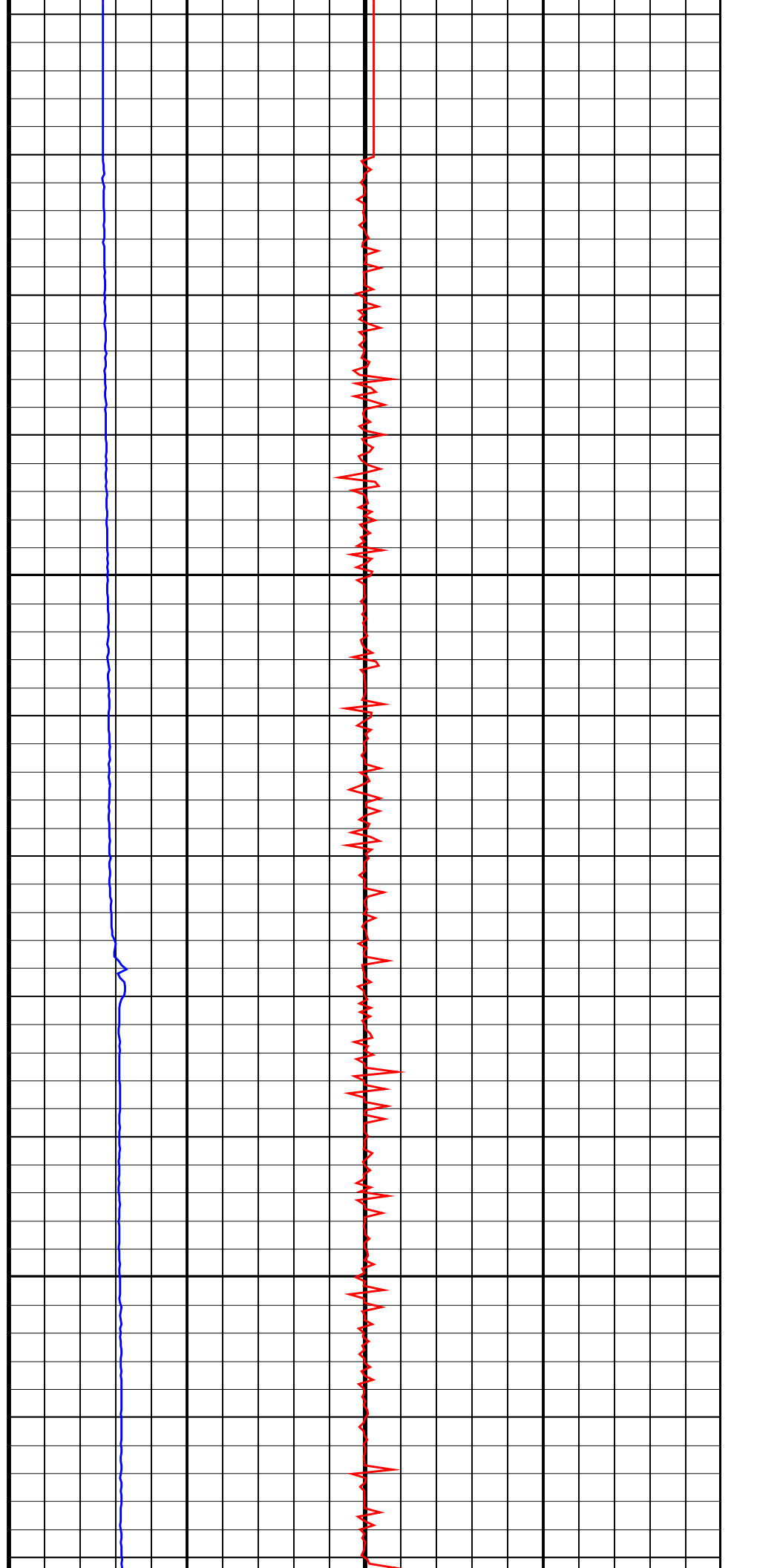
Time Mark Every 60 S

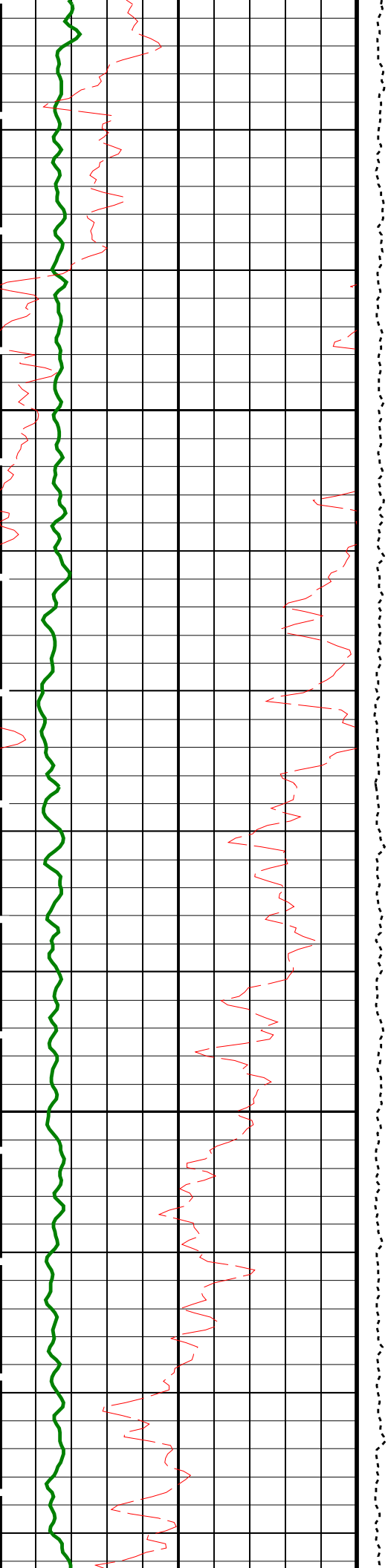




2975

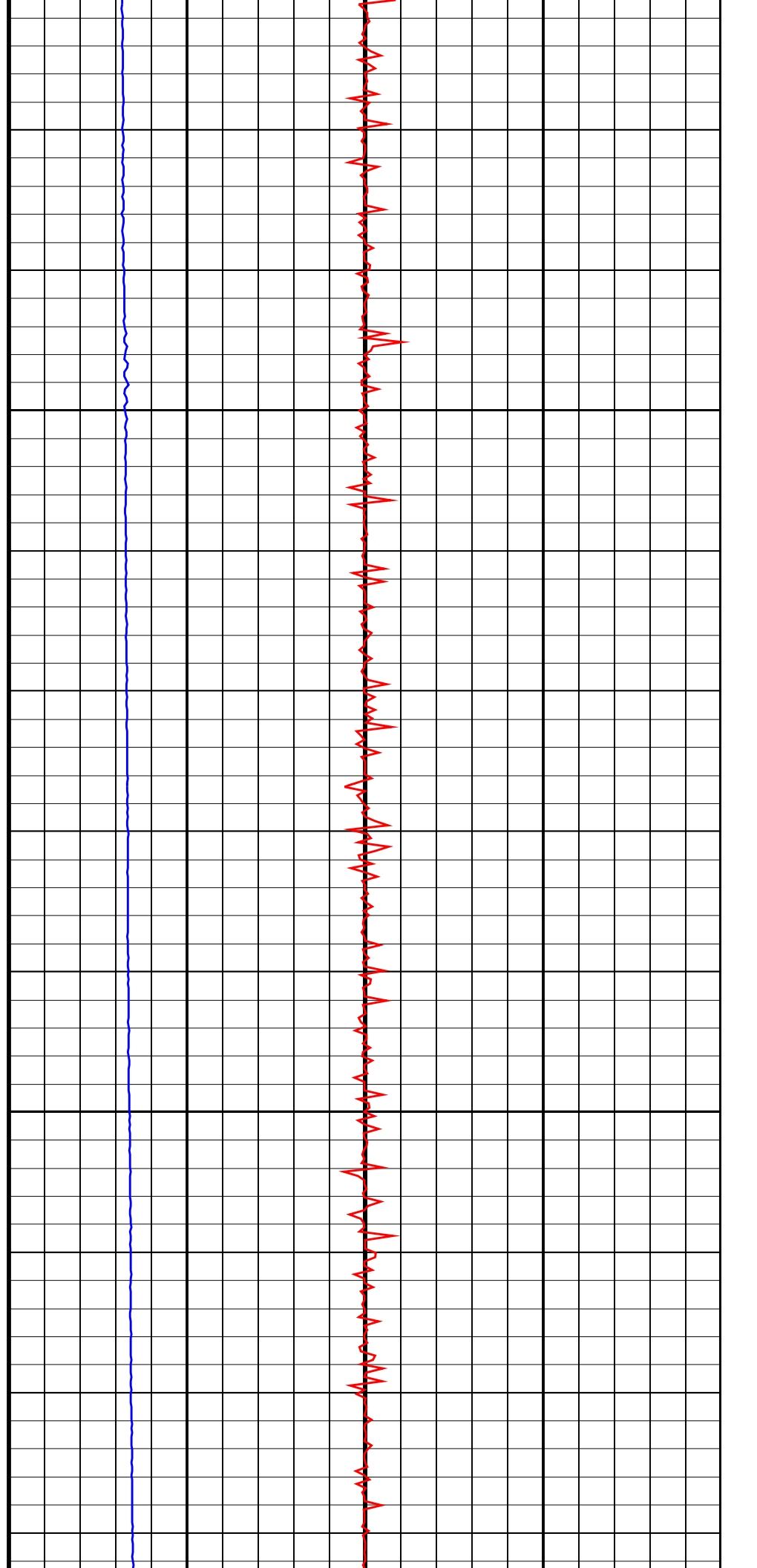
3000

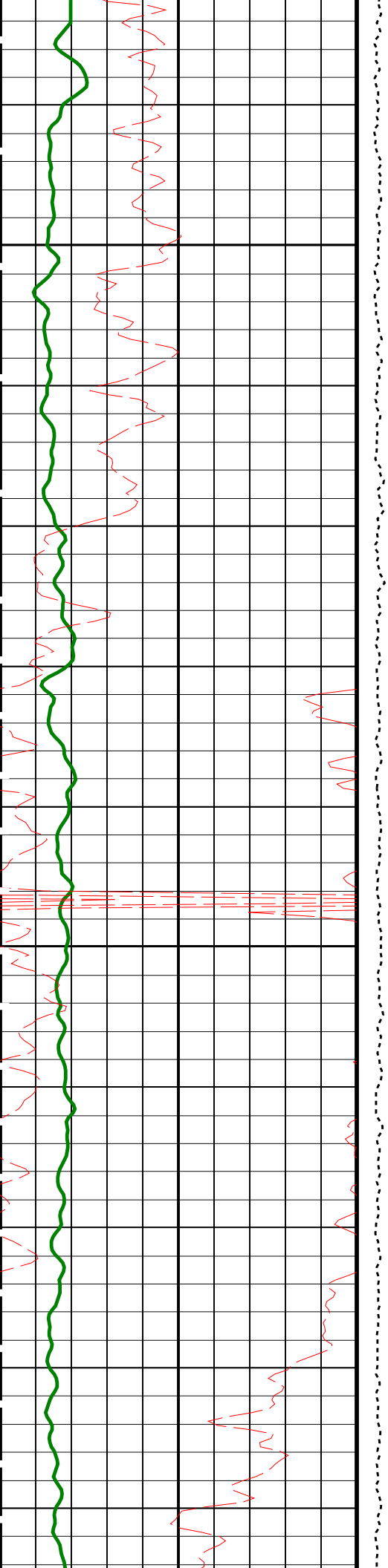




3025

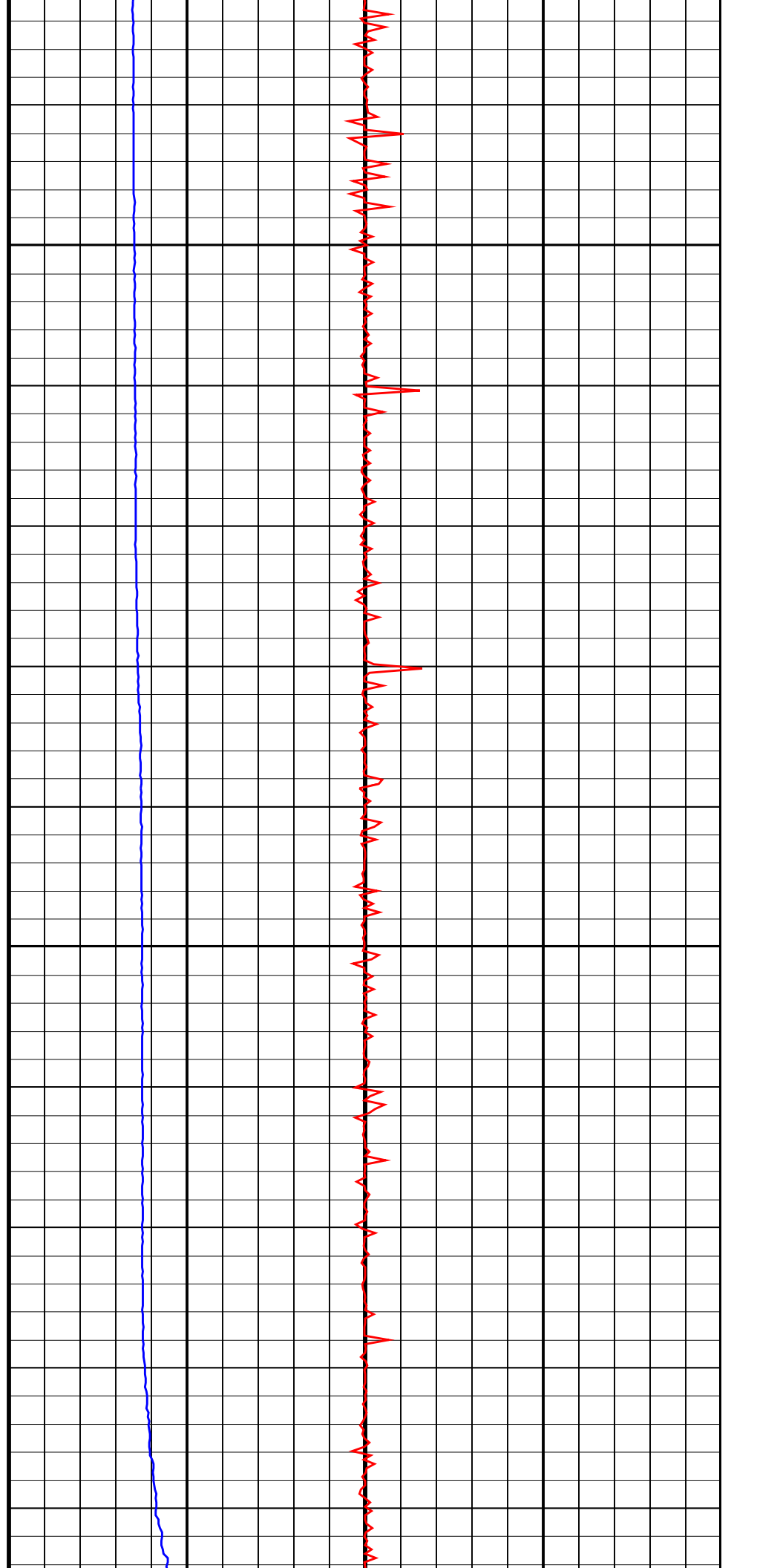
3050

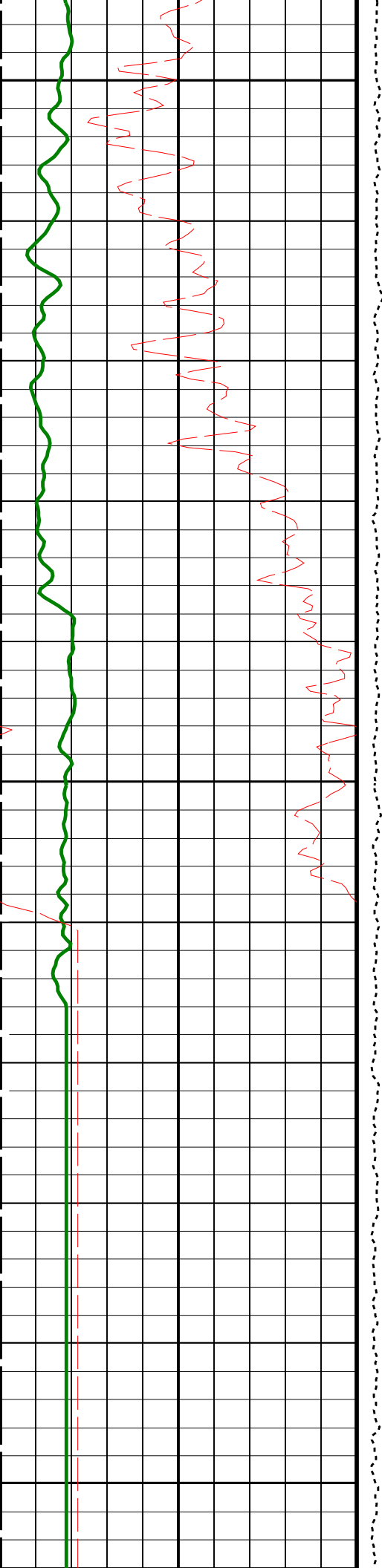




3075

3100

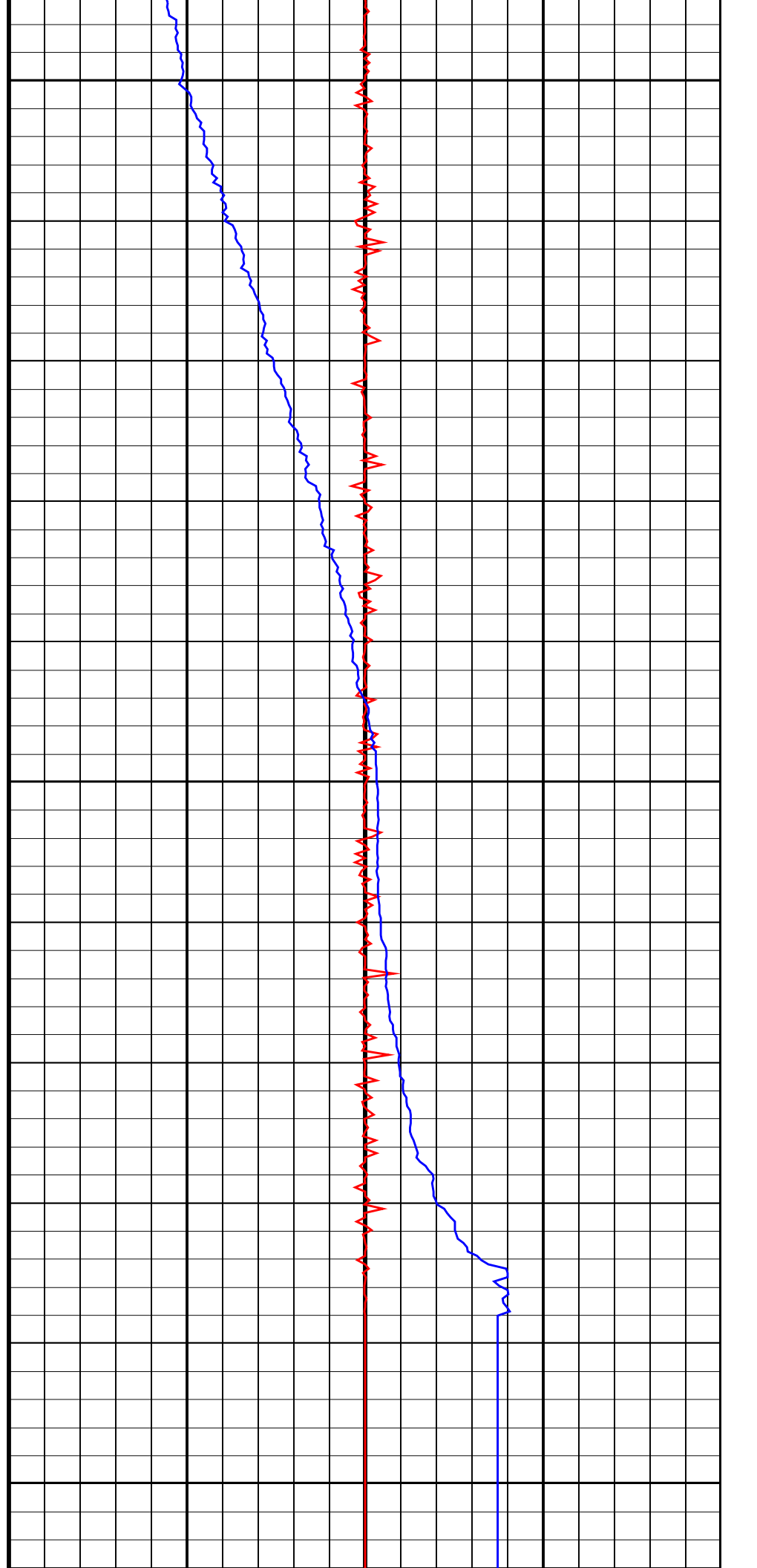




3125

3150

3175



-80	SP (SP) (MV)	20	Tension (TENS) (LBF)	0	Axial Acceleration (AZ_LDEO) (M/S2)	20
			5000	0		
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)				0	Well Temperature, Expanded (WTEP_LDEO) (DEGC)	20
0						

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	-0.00173482	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
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	1.12002	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.0817	
BSP: Bridle SP			
SPNV	SP Next Value	0	MV
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3
DO	Depth Offset for Playback	2.5	M
PP	Playback Processing	RECOMPUTE	

Format: MTT_Logging Vertical Scale: 1:200 Graphics File Created: 12-Aug-2010 21:40

OP System Version: 17C0-154

UBI-D	SRPC-3971-Q1_2010_OP17	GPIT-A/B	SRPC-3971-Q1_2010_OP17
DTA-A	17C0-154	MTT_LDEO-A	17C0-154
HLDS	SPC-3961-OP17_NUCL	LDSC-B	SPC-3961-OP17_NUCL
HNGC-B	SPC-3961-OP17_NUCL	HNGS-BA	SPC-3961-OP17_NUCL
DTC-H	17C0-154	BSP	17C0-154

Input DLIS Files

DEFAULT	UBI_MTT_LDEO_LDL_015LUP	FN:14	PRODUCER	12-Aug-2010 09:57	3177.5 M	2943.9 M
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Output DLIS Files

DEFAULT	UBI_MTT_LDEO_LDL_039PUP	FN:38	PRODUCER	12-Aug-2010 21:40
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Third Pass
1:200 Scale

Company: Lamont Doherty

Well: Expedition 327 Site U1362A

Input DLIS Files

DEFAULT UBI_MTT_LDEO_LDL_016LUP FN:15 PRODUCER 12-Aug-2010 11:27 3177.5 M 3017.2 M

Output DLIS Files

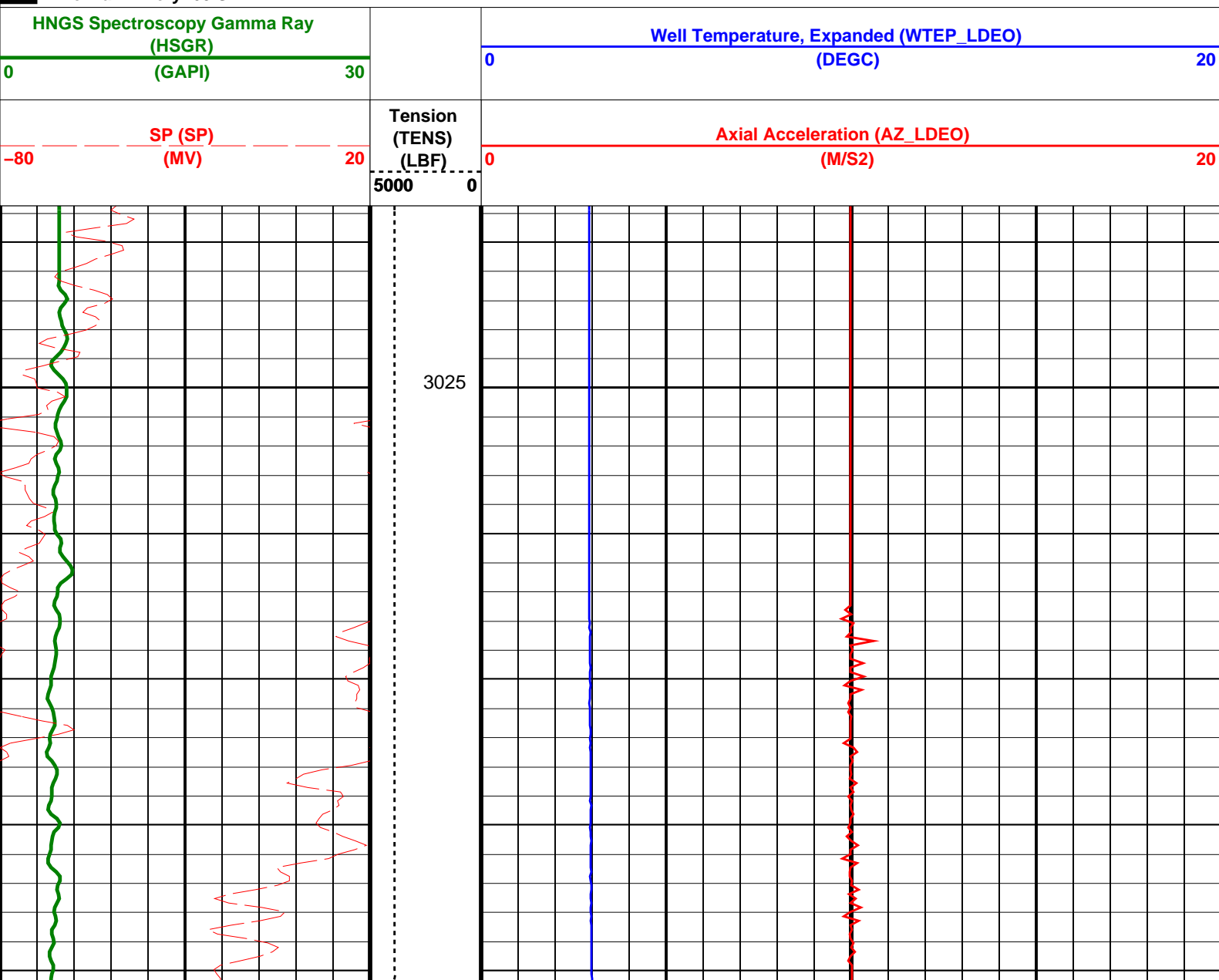
DEFAULT UBI_MTT_LDEO_LDL_040PUP FN:39 PRODUCER 12-Aug-2010 21:42 3179.1 M 3018.7 M

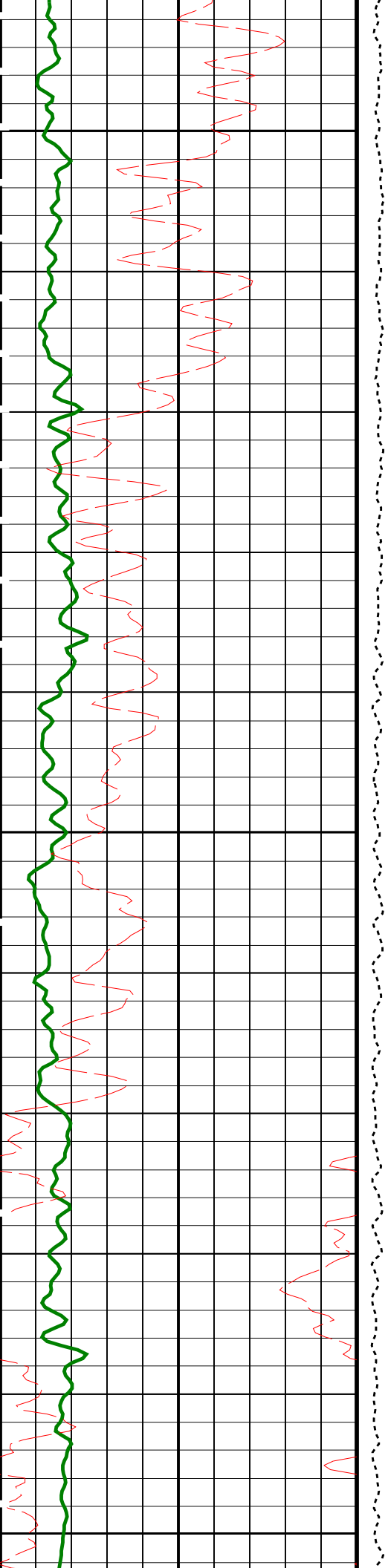
OP System Version: 17C0-154

UBI-D	SRPC-3971-Q1_2010_OP17	GPIT-A/B	SRPC-3971-Q1_2010_OP17
DTA-A	17C0-154	MTT_LDEO-A	17C0-154
H LDS	SPC-3961-OP17_NUCL	LDSC-B	SPC-3961-OP17_NUCL
HNGC-B	SPC-3961-OP17_NUCL	HNGS-BA	SPC-3961-OP17_NUCL
DTC-H	17C0-154	BSP	17C0-154

PIP SUMMARY

Time Mark Every 60 S

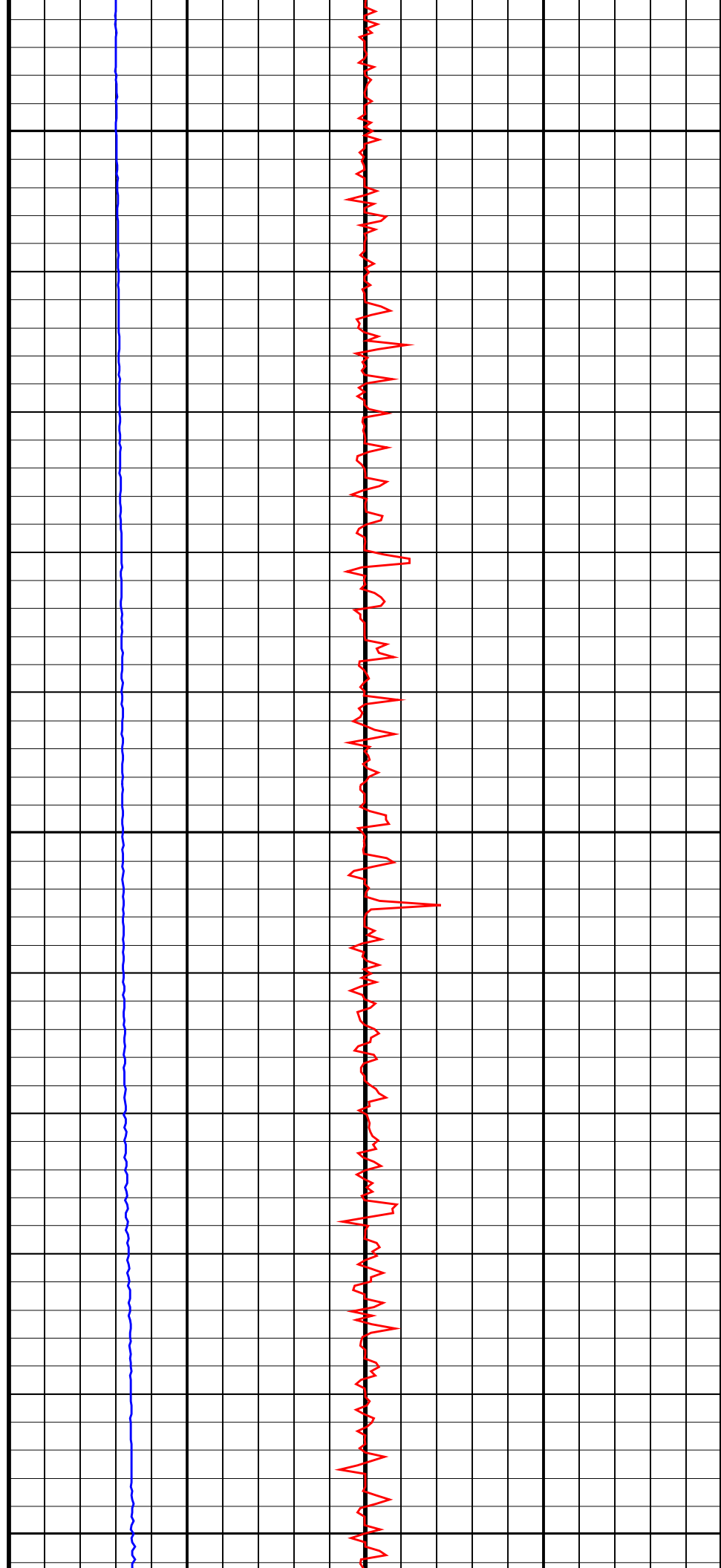


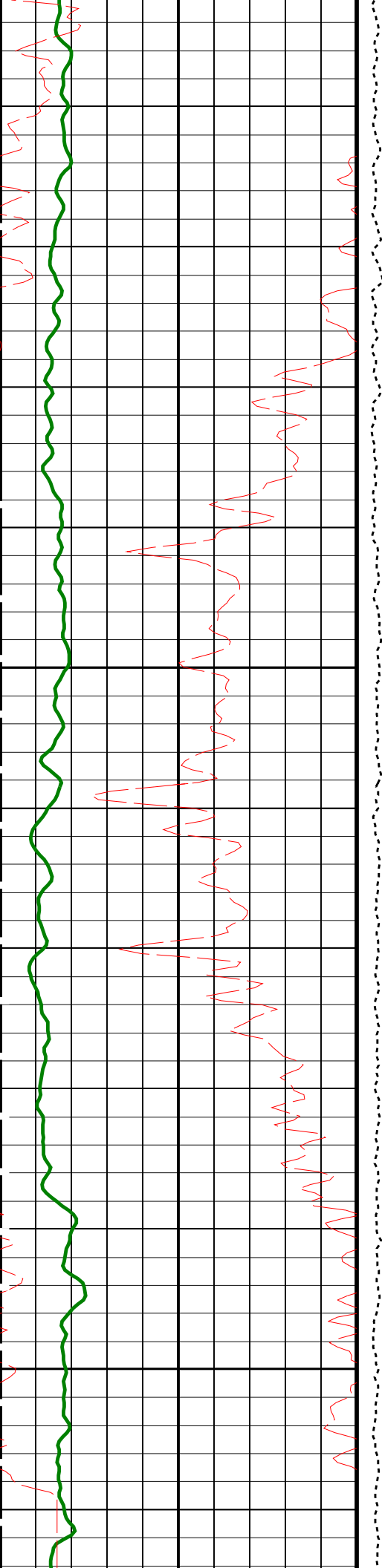


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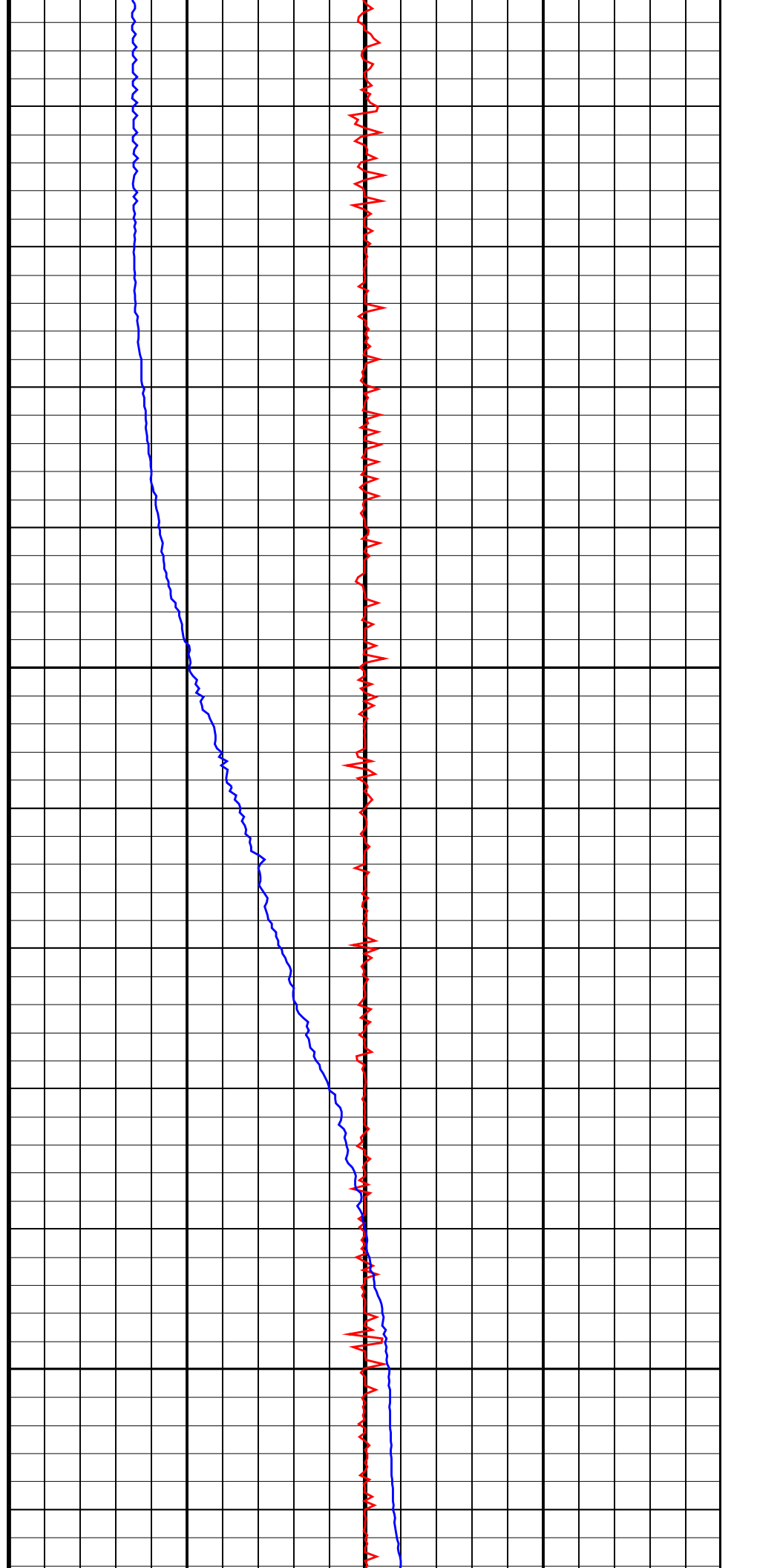
3100

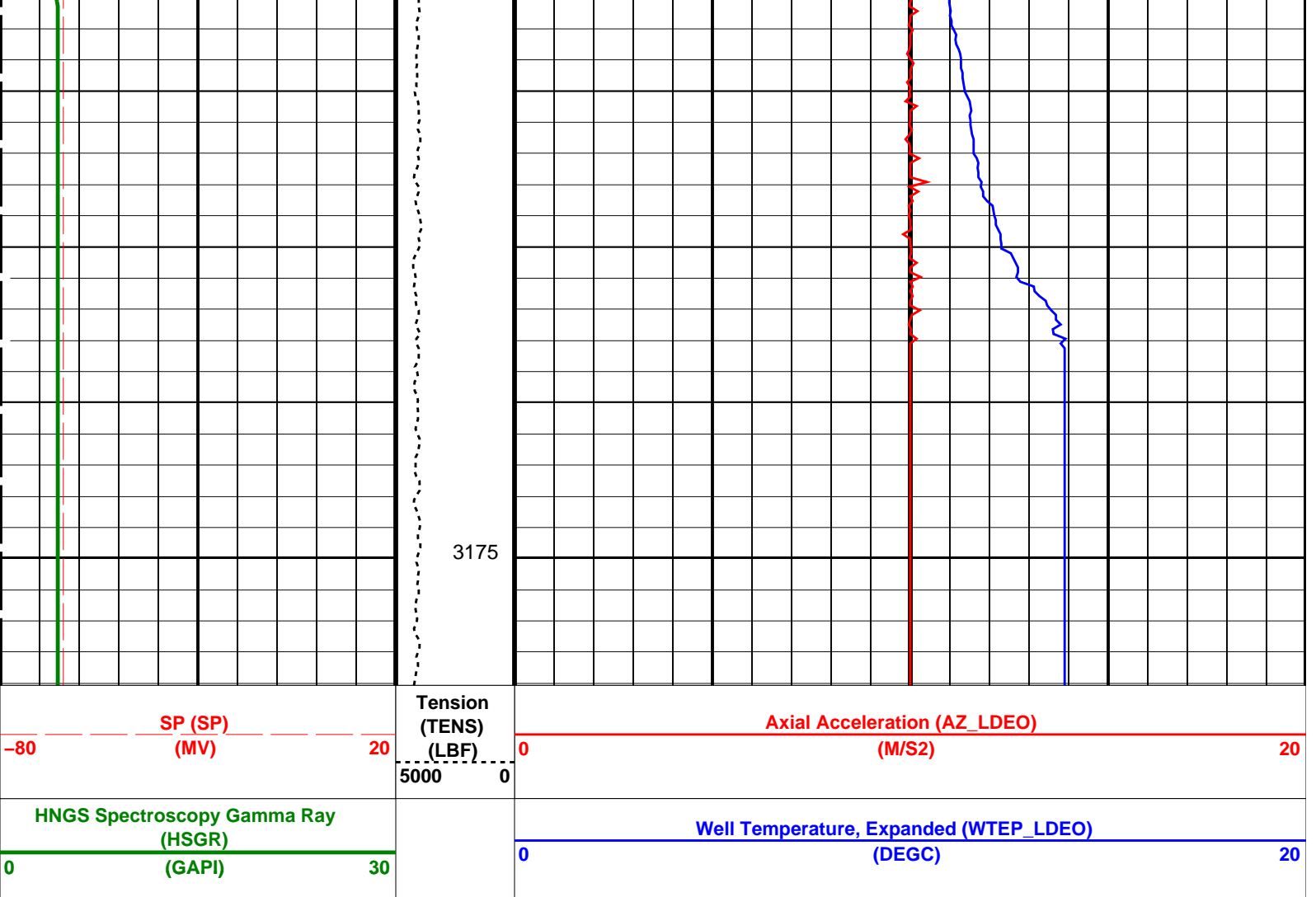




3125

3150





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	-0.00173482	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
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	1.12002	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.0817	
BSP: Bridle SP			
SPNV	SP Next Value	0	MV
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3
DO	Depth Offset for Playback	1.5	M
PP	Playback Processing	RECOMPUTE	

OP System Version: 17C0-154

UBI-D	SRPC-3971-Q1_2010_OP17	GPIT-A/B	SRPC-3971-Q1_2010_OP17
DTA-A	17C0-154	MTT_LDEO-A	17C0-154
HLDS	SPC-3961-OP17_NUCL	LDSC-B	SPC-3961-OP17_NUCL
HNGC-B	SPC-3961-OP17_NUCL	HNGS-BA	SPC-3961-OP17_NUCL
DTC-H	17C0-154	BSP	17C0-154

Input DLIS Files

DEFAULT	UBI_MTT_LDEO_LDL_016LUP	FN:15	PRODUCER	12-Aug-2010 11:27	3177.5 M	3017.2 M
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Output DLIS Files

DEFAULT	UBI_MTT_LDEO_LDL_040PUP	FN:39	PRODUCER	12-Aug-2010 21:42		
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Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
General Purpose Inclinometer Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 12-Aug-2010 5:13							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	92	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	10	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	448	N/A	N/A	N/A	
General Purpose Inclinometer Wellsite Calibration – CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 12-Aug-2010 5:13							
TEMPERATURE REFERENCE :	N/A	N/A	19	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	12	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	428	N/A	N/A	N/A	
Hostile Litho-Density Sonde Wellsite Calibration – Background Measurement							
Master: 4-Jul-2010 23:45 Before: 12-Aug-2010 5:17 After: 12-Aug-2010 15:09							
SS Cs Resolution Bkg	9.000	8.417	8.419	8.439	0.01980	1.800	%
LS Cs Resolution Bkg	9.000	8.549	8.563	8.556	-0.006703	1.800	%
LSW1 Background	100.0	75.11	72.89	71.83	-1.058	3.000	CPS
LSW2 Background	100.0	67.26	67.44	67.47	0.02760	3.000	CPS
LSW3 Background	200.0	151.3	153.4	151.4	-1.979	6.000	CPS
LSW4 Background	250.0	185.7	185.4	185.1	-0.2671	7.500	CPS
LSW5 Background	600.0	419.2	415.7	416.3	0.5545	18.00	CPS
SSW1 Background	100.0	72.57	72.63	70.79	-1.836	3.000	CPS
SSW2 Background	200.0	125.0	125.3	124.9	-0.3862	6.000	CPS
SSW3 Background	500.0	333.7	334.1	334.1	-0.04120	15.00	CPS
SSW4 Background	270.0	179.0	179.4	177.1	-2.313	8.100	CPS
SSW5 Background	200.0	130.7	128.2	128.8	0.5273	6.000	CPS
Hostile Litho-Density Sonde Wellsite Calibration – Aluminum Measurement							
Master: 4-Jul-2010 23:45							
LSW1 Aluminum	600.0	548.9	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	809.7	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	983.2	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	493.5	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	453.0	N/A	N/A	N/A	N/A	CPS

SSW1 Aluminum	2800	2290	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	6553	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	9517	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	3989	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	532.0	N/A	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration – Lithology Measurement

Master: 4-Jul-2010 23:45

LSW1 Iron	400.0	375.7	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	658.3	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	874.6	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	453.3	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	419.6	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1714	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	5518	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	8758	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	3679	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	477.8	N/A	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration – Caliper Calibration

Before: 4-Jul-2010 3:13

HLDS Caliper Small Ring	12.00	N/A	13.61	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.19	N/A	17.11	N/A	N/A	N/A	IN

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check

Master: 3-Jul-2010 10:09 Before: 12-Aug-2010 5:19 After: 12-Aug-2010 15:10

Na 511 Peak Loc	40.00	39.38	39.58	39.62	0.04423	1.000	
Na 511 Peak Res	15.50	14.94	15.79	14.86	-0.9317	2.000	%
High Voltage	1150	1173	1152	1157	4.851	N/A	V
Na 1785 Peak Loc	142.6	141.5	142.5	142.6	0.1303	7.000	
Na 1785 Peak Res	8.500	8.736	7.294	7.672	0.3777	2.000	%
Temperature	15.50	23.93	20.45	19.71	-0.7413	N/A	DEGC
Na Count Rate	45.00	30.22	28.24	28.23	-0.006481	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: 3-Jul-2010 10:09 Before: 12-Aug-2010 5:19 After: 12-Aug-2010 15:10

Na 511 Peak Loc	40.00	39.56	39.70	39.58	-0.1246	1.000	
Na 511 Peak Res	15.50	16.29	14.97	15.50	0.5229	2.000	%
High Voltage	1150	1097	1089	1090	0.6023	N/A	V
Na 1785 Peak Loc	142.6	141.9	142.3	141.3	-0.9653	7.000	
Na 1785 Peak Res	8.500	8.575	7.621	9.293	1.671	2.000	%
Temperature	15.50	24.35	20.88	21.54	0.6568	N/A	DEGC
Na Count Rate	45.00	30.12	28.16	28.11	-0.04325	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2

Master: 3-Jul-2010 10:09 Before: 12-Aug-2010 5:19 After: 12-Aug-2010 15:10

Coincidence Count Rate Ratio	1.000	1.003	1.001	1.004	0.002971	0.05000	
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Hostile Natural Gamma Ray Sonde Master Calibration – Detector 1 Calibration

Master: 3-Jul-2010 10:09

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	211.4	--	--	--	--	
Th Peak Res	7.000	6.988	--	--	--	--	%
Background Count Rate	142.5	17.94	--	--	--	--	CPS
Gain Ratio	1.000	1.021	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration – Detector 2 Calibration

Master: 3-Jul-2010 10:09

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	208.6	--	--	--	--	
Th Peak Res	7.000	6.911	--	--	--	--	%
Background Count Rate	142.5	18.39	--	--	--	--	CPS
Gain Ratio	1.000	1.003	--	--	--	--	

General Purpose Inclinator / Equipment Identification

Primary Equipment:
GPIT Cartridge – AC

GPIC – AC

Auxiliary Equipment:
GPIT Housing

GPIH – A

Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:

Hostile Litho Density Sonde
 Hostile Litho Density High Voltage
 Gamma Source Radioactive

HLDS - D 35
 HLDV - D 51
 GSR - Z 2397

Auxiliary Equipment:

Hostile Litho Density Pad
 Hostile Litho Density High Voltage Housi

HLDP - C 61
 HEH - H 53

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		8.417	Master		8.549	Master		75.11
Before		8.419	Before		8.563	Before		72.89
After		8.439	After		8.556	After		71.83
	7.000 (Minimum) 9.000 (Nominal) 11.000 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.000 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)	
Phase	LSW2 Background CPS	Value	Phase	LSW3 Background CPS	Value	Phase	LSW4 Background CPS	Value
Master		67.26	Master		151.3	Master		185.7
Before		67.44	Before		153.4	Before		185.4
After		67.47	After		151.4	After		185.1
	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		419.2	Master		72.57	Master		125.0
Before		415.7	Before		72.63	Before		125.3
After		416.3	After		70.79	After		124.9
	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		333.7	Master		179.0	Master		130.7
Before		334.1	Before		179.4	Before		128.2
After		334.1	After		177.1	After		128.8
	280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)			150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)	

Master: 4-Jul-2010 23:45

Before: 12-Aug-2010 5:17

After: 12-Aug-2010 15:09

Hostile Litho-Density Sonde Master Calibration								
Detector Background Measurement								
Phase	LSW1 Background CPS	Value	Phase	LSW2 Background CPS	Value	Phase	LSW3 Background CPS	Value
Master		75.11	Master		67.26	Master		151.3
	55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)	
Phase	LSW4 Background CPS	Value	Phase	LSW5 Background CPS	Value	Phase	LS Cs Resolution Bkg %	Value
Master		185.7	Master		419.2	Master		8.549
	140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)			330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.000 (Maximum)	
Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value	Phase	SSW3 Background CPS	Value
Master		72.57	Master		125.0	Master		333.7
	55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)			280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)	
Phase	SSW4 Background CPS	Value	Phase	SSW5 Background CPS	Value	Phase	SS Cs Resolution Bkg %	Value
Master		179.0	Master		130.7	Master		8.417
	150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.000 (Maximum)	

Master: 4-Jul-2010 23:45

Hostile Litho-Density Sonde Master Calibration								
Detector Aluminum Measurement (bkgd-subtracted)								
Phase	LSW1 Aluminum CPS	Value	Phase	LSW2 Aluminum CPS	Value	Phase	LSW3 Aluminum CPS	Value
Master		548.9	Master		809.7	Master		983.2
	420.0 (Minimum) 600.0 (Nominal) 770.0 (Maximum)			650.0 (Minimum) 900.0 (Nominal) 1150.0 (Maximum)			800.0 (Minimum) 1100.0 (Nominal) 1450.0 (Maximum)	

Phase	LSW4 Aluminum CPS	Value	Phase	LSW5 Aluminum CPS	Value	Phase	SSW1 Aluminum CPS	Value
Master		493.5	Master		453.0	Master		2290
	410.0 (Minimum) 580.0 (Nominal) 740.0 (Maximum)			410.0 (Minimum) 570.0 (Nominal) 740.0 (Maximum)			2000 (Minimum) 2800 (Nominal) 3200 (Maximum)	
Phase	SSW2 Aluminum CPS	Value	Phase	SSW3 Aluminum CPS	Value	Phase	SSW4 Aluminum CPS	Value
Master		6553	Master		9517	Master		3989
	5800 (Minimum) 8000 (Nominal) 9300 (Maximum)			8300 (Minimum) 11600 (Nominal) 13500 (Maximum)			3500 (Minimum) 5000 (Nominal) 5800 (Maximum)	
Phase	SSW5 Aluminum CPS	Value						
Master		532.0						
	470.0 (Minimum) 660.0 (Nominal) 770.0 (Maximum)							

Master: 4-Jul-2010 23:45

Hostile Litho-Density Sonde Master Calibration								
Detector Litholog Measurement (bkqd-subtracted)								
Phase	LSW1 Iron CPS	Value	Phase	LSW2 Iron CPS	Value	Phase	LSW3 Iron CPS	Value
Master		375.7	Master		658.3	Master		874.6
	290.0 (Minimum) 400.0 (Nominal) 560.0 (Maximum)			520.0 (Minimum) 730.0 (Nominal) 950.0 (Maximum)			720.0 (Minimum) 1000 (Nominal) 1350 (Maximum)	
Phase	LSW4 Iron CPS	Value	Phase	LSW5 Iron CPS	Value	Phase	SSW1 Iron CPS	Value
Master		453.3	Master		419.6	Master		1714
	370.0 (Minimum) 520.0 (Nominal) 700.0 (Maximum)			340.0 (Minimum) 470.0 (Nominal) 750.0 (Maximum)			1500 (Minimum) 2100 (Nominal) 2400 (Maximum)	
Phase	SSW2 Iron CPS	Value	Phase	SSW3 Iron CPS	Value	Phase	SSW4 Iron CPS	Value
Master		5518	Master		8758	Master		3679
	4900 (Minimum) 6800 (Nominal) 7900 (Maximum)			7800 (Minimum) 10800 (Nominal) 12600 (Maximum)			3300 (Minimum) 4600 (Nominal) 5400 (Maximum)	
Phase	SSW5 Iron CPS	Value						
Master		477.8						
	420.0 (Minimum) 580.0 (Nominal) 680.0 (Maximum)							

Master: 4-Jul-2010 23:45

Hostile Litho-Density Sonde Master Calibration								
Quality Ratios								
Phase	AL CALIBRATION RATIO 1	Value	Phase	AL CALIBRATION RATIO 2	Value	Phase	AL CALIBRATION RATIO 3	Value
Master		1.039	Master		2.105	Master		0.5800
	0.9000 (Minimum) 1.000 (Nominal) 1.100 (Maximum)			1.900 (Minimum) 2.100 (Nominal) 2.300 (Maximum)			0.4500 (Minimum) 0.5500 (Nominal) 0.6500 (Maximum)	
Phase	AL CALIBRATION RATIO 4	Value	Phase	Pad-Wear SS Ratio	Value	Phase	Pad-Wear LS Ratio	Value
Master		0.5065	Master		0.9934	Master		0.9957
	0.4000 (Minimum) 0.5500 (Nominal) 0.6500 (Maximum)			0.9800 (Minimum) 0.9880 (Nominal) 0.9960 (Maximum)			0.9800 (Minimum) 0.9880 (Nominal) 0.9960 (Maximum)	
Phase	Pad-Position SS Ratio	Value	Phase	Pad-Position LS Ratio	Value			
Master		1.008	Master		0.9853			
	0.9900 (Minimum) 0.9940 (Nominal) 1.015 (Maximum)			0.9850 (Minimum) 0.9940 (Nominal) 1.010 (Maximum)				

Master: 4-Jul-2010 23:45

Litho-Density Spectroscopy Cartridge - B / Equipment Identification

Primary Equipment:
 LDSC Cartridge LDSC - B 521

Auxiliary Equipment:
 LDSC Housing LDSH - A 319

Hostile Natural Gamma Ray Cartridge - B / Equipment Identification

Primary Equipment:
 HNGC Cartridge HNGC - B 300

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:
HNGS Sonde

HNGS - BA 194

Auxiliary Equipment:
HNGS Sonde Housing
Gamma Source Radioactive

HNSH - BA 205
GSR - U 616008

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check




Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.38	Master		14.94	Master		1173
Before		39.58	Before		15.79	Before		1152
After		39.62	After		14.86	After		1157
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		141.5	Master		8.736	Master		23.93
Before		142.5	Before		7.294	Before		20.45
After		142.6	After		7.672	After		19.71
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.000 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		30.22						
Before		28.24						
After		28.23						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 3-Jul-2010 10:09			Before: 12-Aug-2010 5:19			After: 12-Aug-2010 15:10		




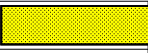

Hostile Natural Gamma Ray Sonde Wellsite Calibration




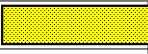

Detector 2 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.56	Master		16.29	Master		1097
Before		39.70	Before		14.97	Before		1089
After		39.58	After		15.50	After		1090
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		141.9	Master		8.575	Master		24.35
Before		142.3	Before		7.621	Before		20.88
After		141.3	After		9.293	After		21.54
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.000 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		30.12						
Before		28.16						
After		28.11						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 3-Jul-2010 10:09			Before: 12-Aug-2010 5:19			After: 12-Aug-2010 15:10		

Hostile Natural Gamma Ray Sonde Wellsite Calibration	
Ratio Of Detector 1 To Detector 2	

Phase	Coincidence Count Rate Ratio	Value
Master		1.003
Before		1.001
After		1.004
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: 3-Jul-2010 10:09		
Before: 12-Aug-2010 5:19		
After: 12-Aug-2010 15:10		

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		41.00	Master		211.4	Master		6.988
	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		17.94	Master		1.021			
	10.00 (Minimum) 142.5 (Nominal) 265.0 (Maximum)			0.9400 (Minimum) 1.000 (Nominal) 1.060 (Maximum)				
Master: 3-Jul-2010 10:09								

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		41.00	Master		208.6	Master		6.911
	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		18.39	Master		1.003			
	10.00 (Minimum) 142.5 (Nominal) 265.0 (Maximum)			0.9400 (Minimum) 1.000 (Nominal) 1.060 (Maximum)				
Master: 3-Jul-2010 10:09								

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

Company: **Lamont Doherty**

Well: **Expedition 327 Site U1362A**

Field: **Juan de Fuca**

Rig: **JOIDES Resolution**

Country: **USA**



Temperature (MTT)

