COMPANY: Lamont Doherty

WELL: ODP Leg 195, Site 1201D (WP-1B)

FIELD: ION

Country: Japan Ocean: West Phillipine

Company: Lamont Doherty
Well: ODP Leg 195, Site 1201D (WP-1
Location: Rig- Joides Resolution
Field: ION
Country: Japan

Schlumberger

HNGS
Natural gamma Ray

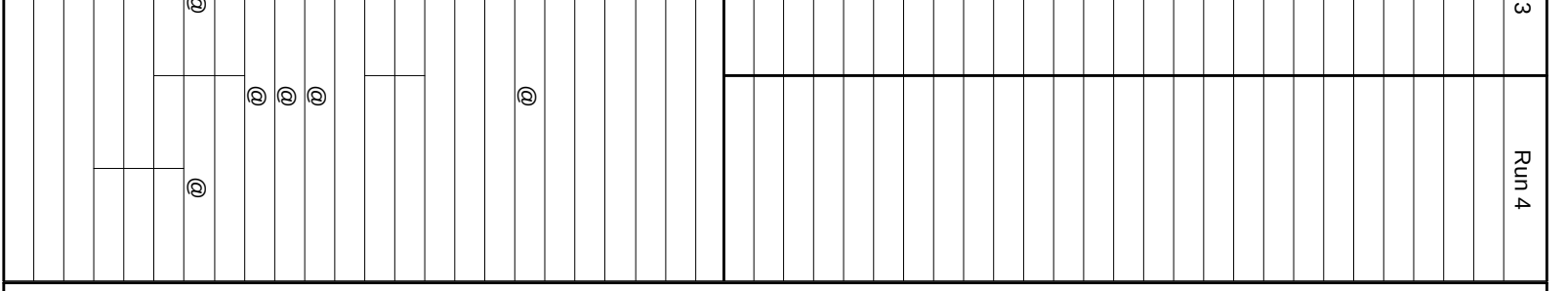
LOCATION

Rig- Joides Resolution	Elev.: K.B.	11.2989 m
	G.L.	-5720 m
	D.F.	11 m
Permanent Datum: MSL	Elev.:	0 m
Log Measured From: DES	11.3 m	above Perm. Datum
Drilling Measured From: DES		

API Serial No.	Max. Hole Devi. 0 deg	Longitude E 151.9836	Latitude S 20.2425

	Run 1	Run 2	Run
Logging Date	12-Apr-2001		
Run Number	1		
Depth Driller	6320 m		
Schlumberger Depth	6314 m		
Bottom Log Interval	6283 m		
Top Log Interval	5723 m		
Casing Driller Size @ Depth	0.000 in @ 5800 m	@	
Casing Schlumberger	5799.5 m		
Bit Size	9.875 in		
Type Fluid In Hole	Sepiolite/Salt water		
MUD Density / Viscosity	1.05 g/cm3		
MUD Fluid Loss / PH			
MUD Source Of Sample	Mud Tank		
RM @ Measured Temperature	0.224 ohm.m @ 82 degC	@	
RMF @ Measured Temperature	@	@	
RMC @ Measured Temperature	@	@	
Source RMF / RMC			
RM @ MRT / RMF @ MRT	0.612 @ 16	@ 16 @	@
Maximum Recorded Temperatures	16 degC		
Circulation Stopped / Time	12-Apr-2001	1:00	
Logger On Bottom / Time	12-Apr-2001	See Log	
Unit Number / Location	99	Houston	
Recorded By	Kerry M. Swain		
Witnessed By	Samantha Barr, Phillipe Gaillot		

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



DISCLAIMER

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

OTHER SERVICES1	OTHER SERVICES2
OS1: MESTB/LSS	OS1:
OS2: DLT/HLDT/APS	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Hole Cored With RCB.	
WHC used on all runs.	
Seas calm.	
Log Measured in Meters Below Rig Floor (MBRF).	
TD Driller- 6320 MBRF.	
Sea Floor Driller- 5720 MBRF.	
TD Logger- 6314 MBRF.	
Sea Floor Logger- 5723 MBRF.	
Drill Pipe Logger- 5799.5 MBRF.	
Drill Pipe Driller- 5800 MBRF.	
Splice at 6119.5 of original uplogs.	
Some data not recorded in this interval due to lack of overlap.	
Sepiolite mud used to displace hole before logging.	
Original log files recorded with real time speed correction. Displayed data are	
corrected back to measured depth.	

RUN 1

SERVICE ORDER #:
PROGRAM VERSION: 9C2-303
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

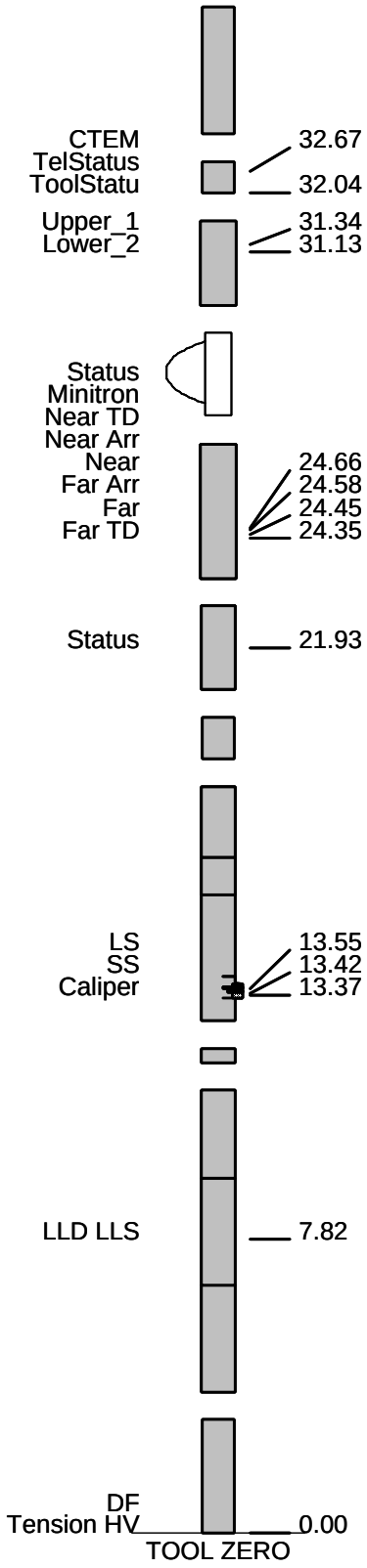
LCM-AA 728
SFT-281 24
SFT-178 4722
GSR-U 135

WITM (DTS)-A

DOWNHOLE EQUIPMENT

LEH-QT	41.31
AH-Bridle-2	40.42
AH-Bridle-2 148	

RUN 2



AH-Bridle-1 — 36.69
AH-Bridle-1 612

DTC-H — 32.95

HNGS-BA — 32.04
HNGS-BA 27
HNSH-BA 27

ILE-D — 29.54
ILE-D 25

APS-BA — 27.10
APS-BA 22
APH-AC 22
MNTR-F 4185

NPLC-B — 23.16
NPLC-B 79
NPH-B 82

DTA-A — 20.71
ECH-KE 8231

HLDT-A — 19.49
GSR-Z 1846
HLDC-AA 11
HLDV-A 10
HLDS-B 10
HLDP-B 10
HEH-G 11
HEH-H 12

AH-169 — 12.61

DLT-E — 12.20
DLH-CB 2893
DLC-D 930
DLS-F 929
DLE-E

AH-TAP — 3.34
AH-TAP

TOOL ZERO

MAXIMUM STRING DIAMETER 3.88 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Input DLIS Files

DEFAULT	SPLICE_DLL_LDL_APS_096	FN:1	PRODUCER	14-Apr-2001 10:44	6317.7 M	5703.9 M

Output DLIS Files

DEFAULT	DLL_LDL_APS_HNGS_097PUP	FN:81	PRODUCER	14-Apr-2001 10:46	6317.7 M	5712.9 M
REDUCE	DLL_LDL_APS_HNGS_097PUP	FN:82	PRODUCER	14-Apr-2001 10:46	6317.7 M	5712.9 M

OP System Version: 9C2-303

MCM

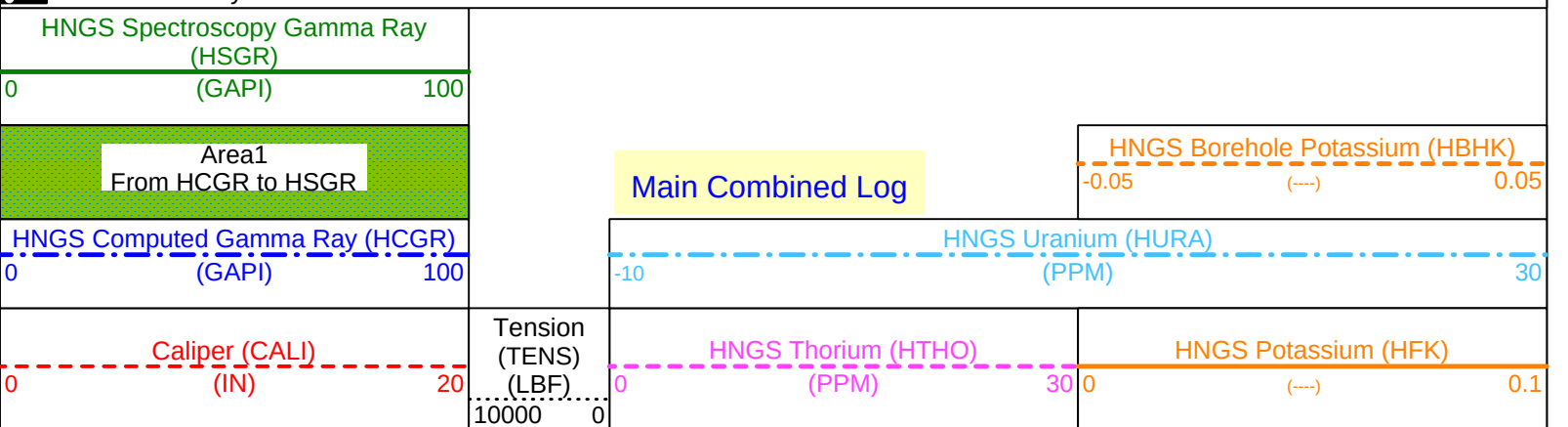
DLT-E	9C2-303	HLDT-A	9C2-303
DTA-A	9C2-303	NPLC-B	9C2-303
APS-BA	9C2-303	HNGS-BA	9C2-303
DTC-H	9C2-303		

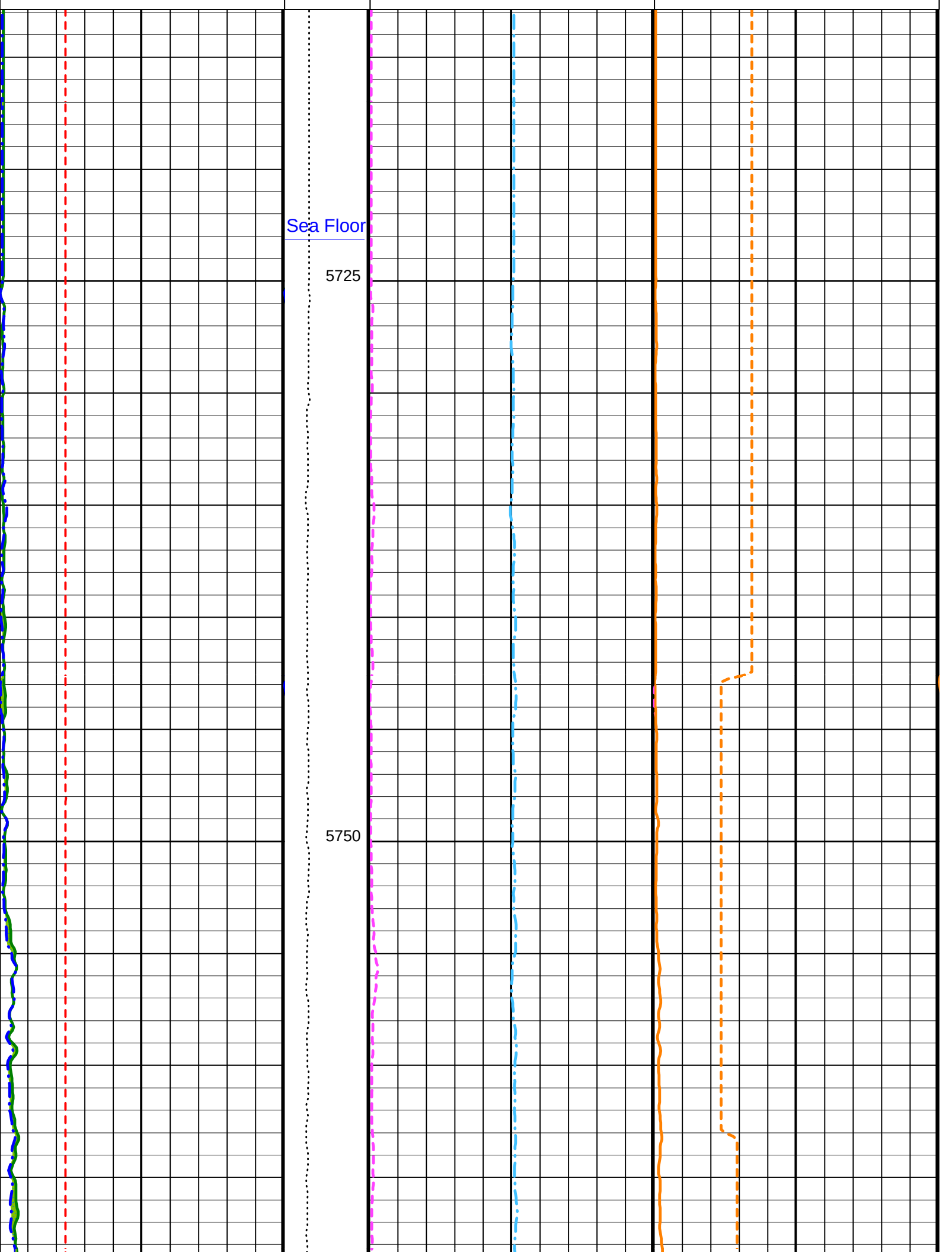
Changed Parameter Summary

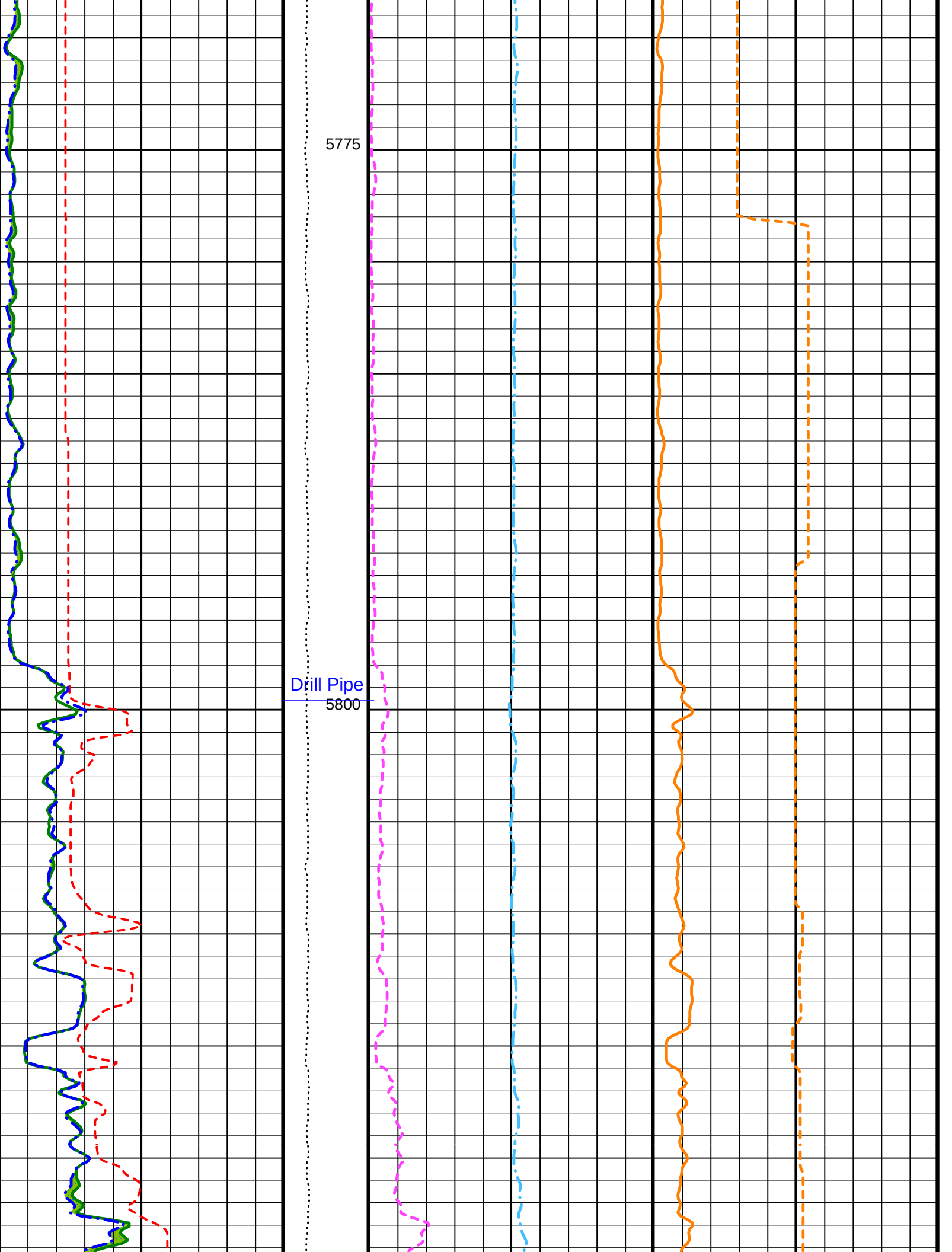
DLIS Name	New Value	Previous Value	Depth & Time
BHS	CASED	OPEN	5804.3 10:53:48
GCSE	BS	CALI	5804.3 10:53:44

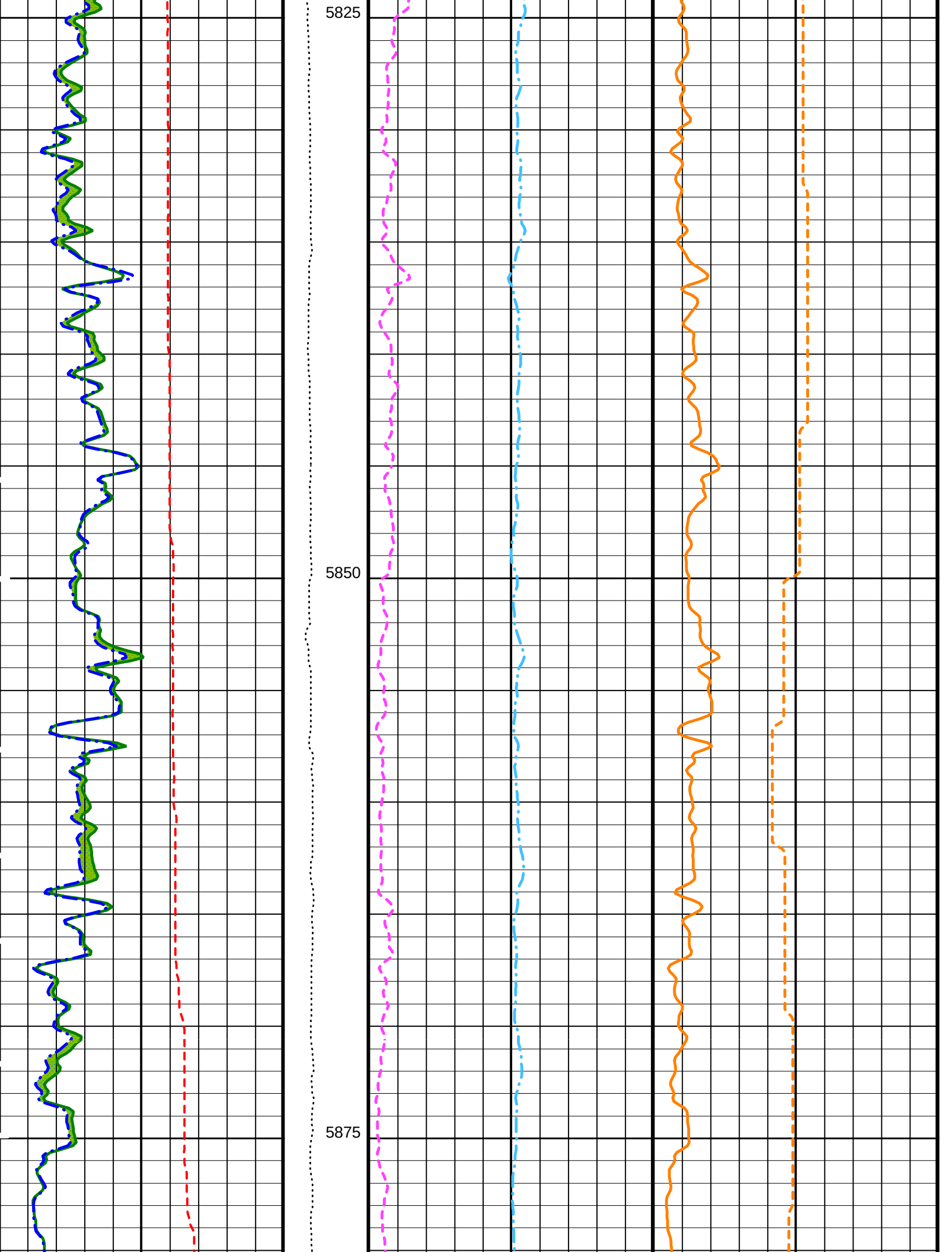
PIP SUMMARY

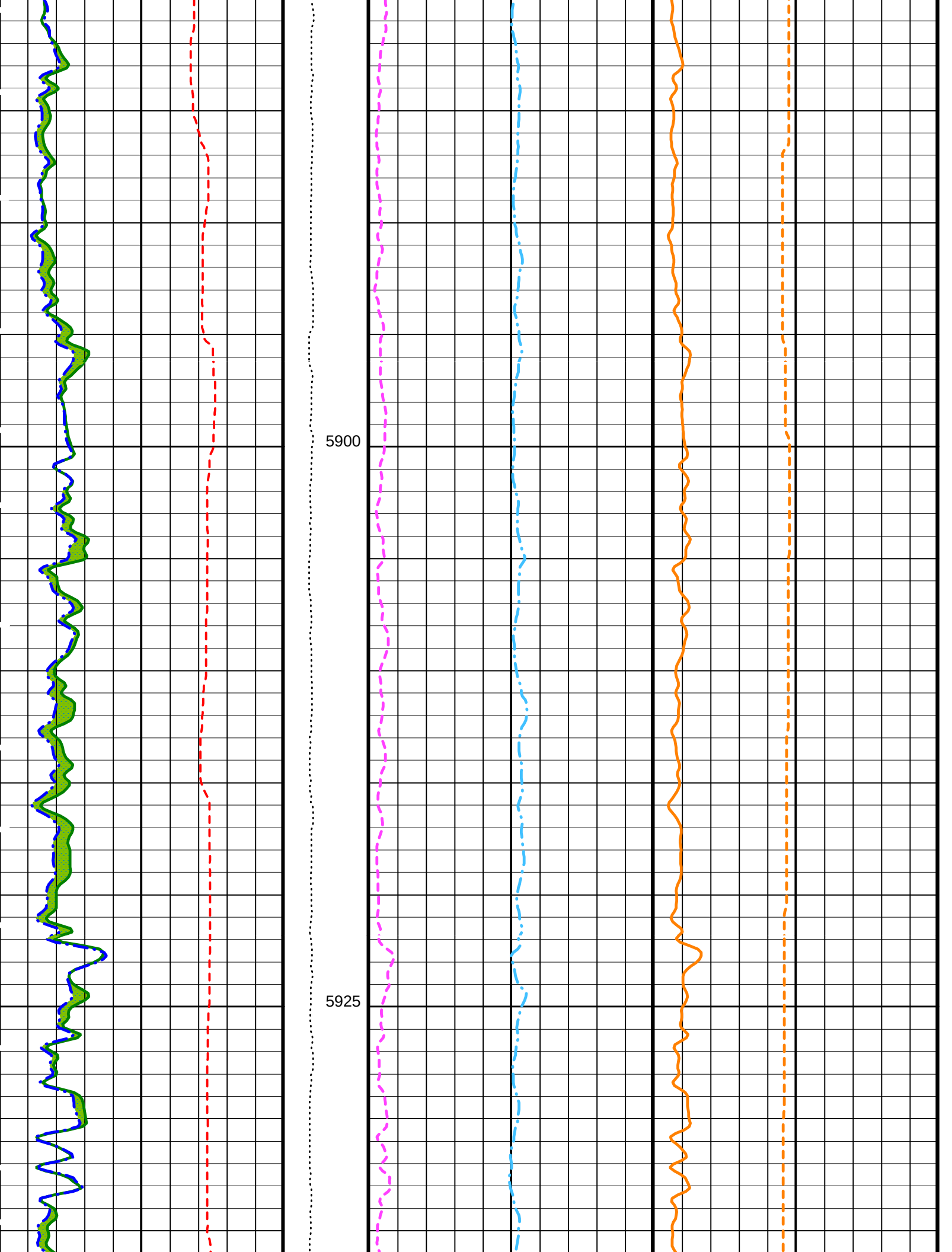
Time Mark Every 60 S

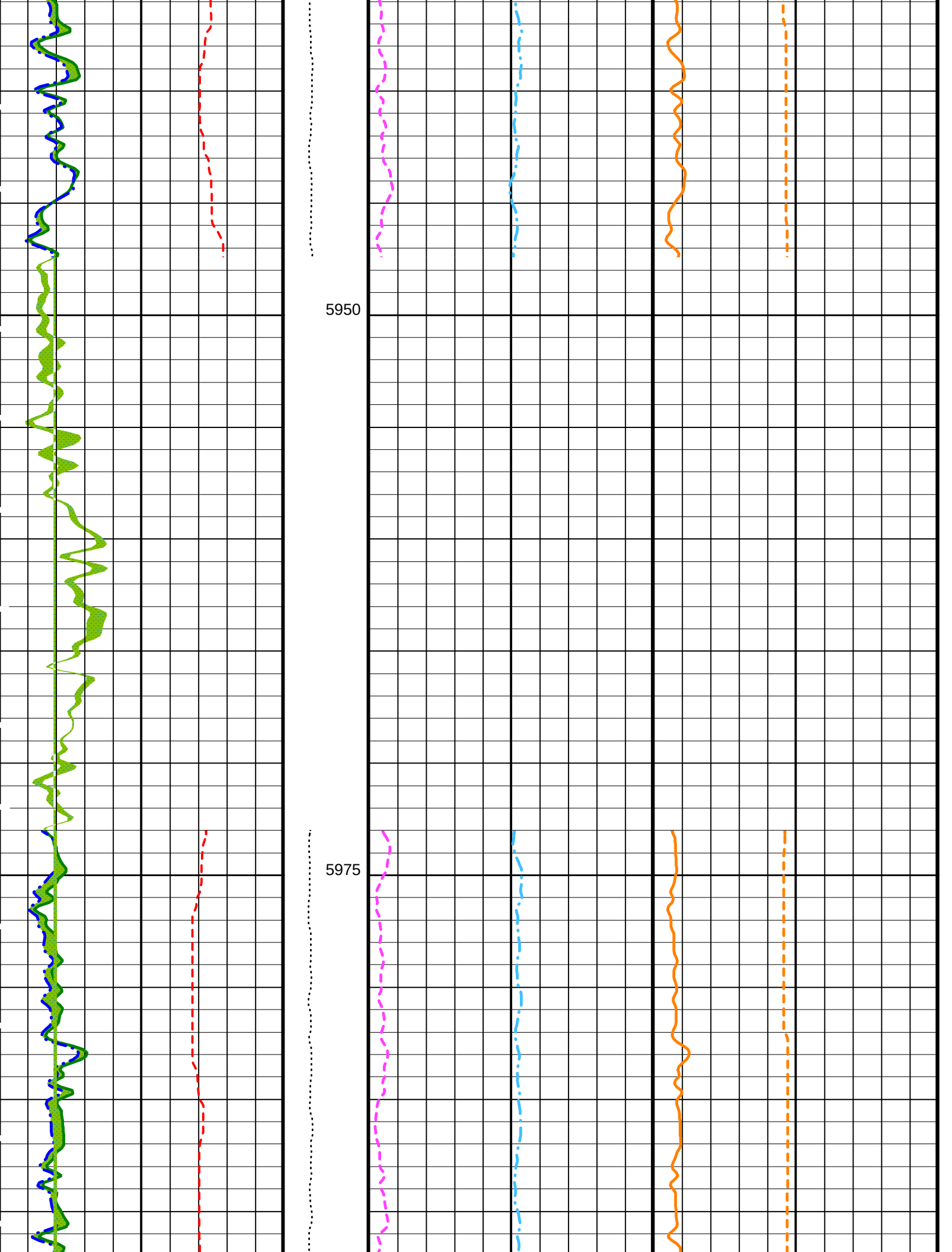


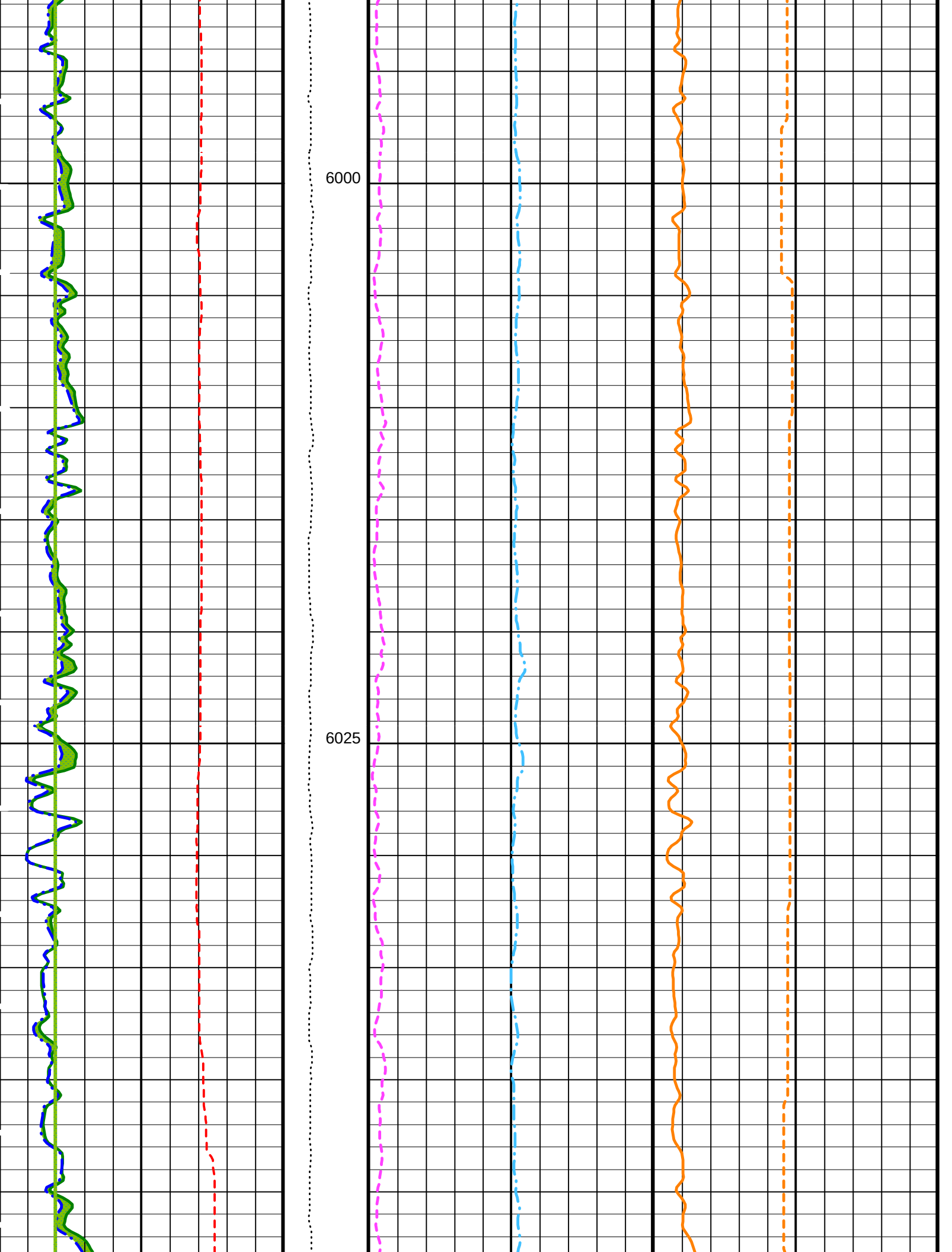

Sea Floor
5725
5750

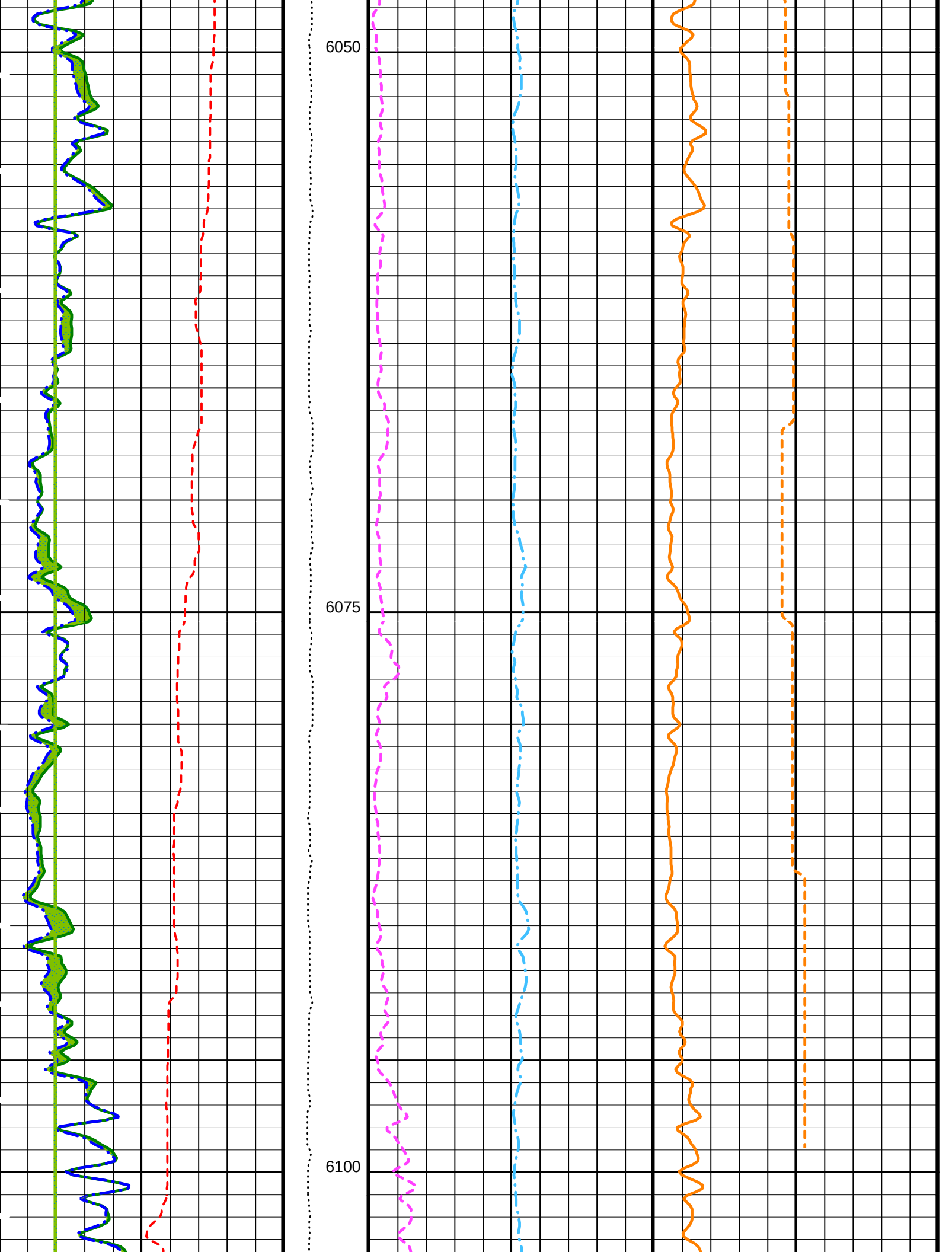

5775
Drill Pipe
5800

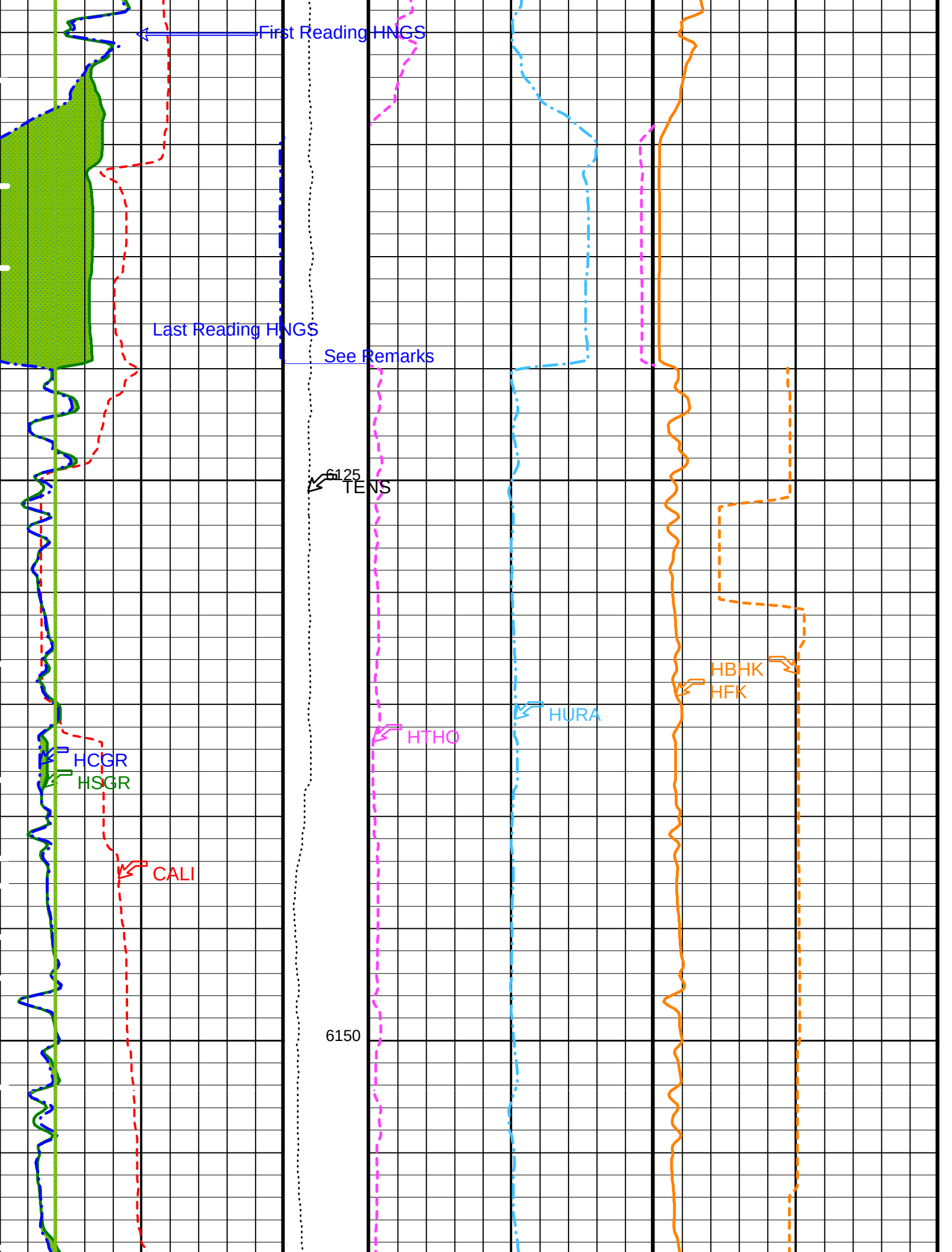

5825
5850
5875

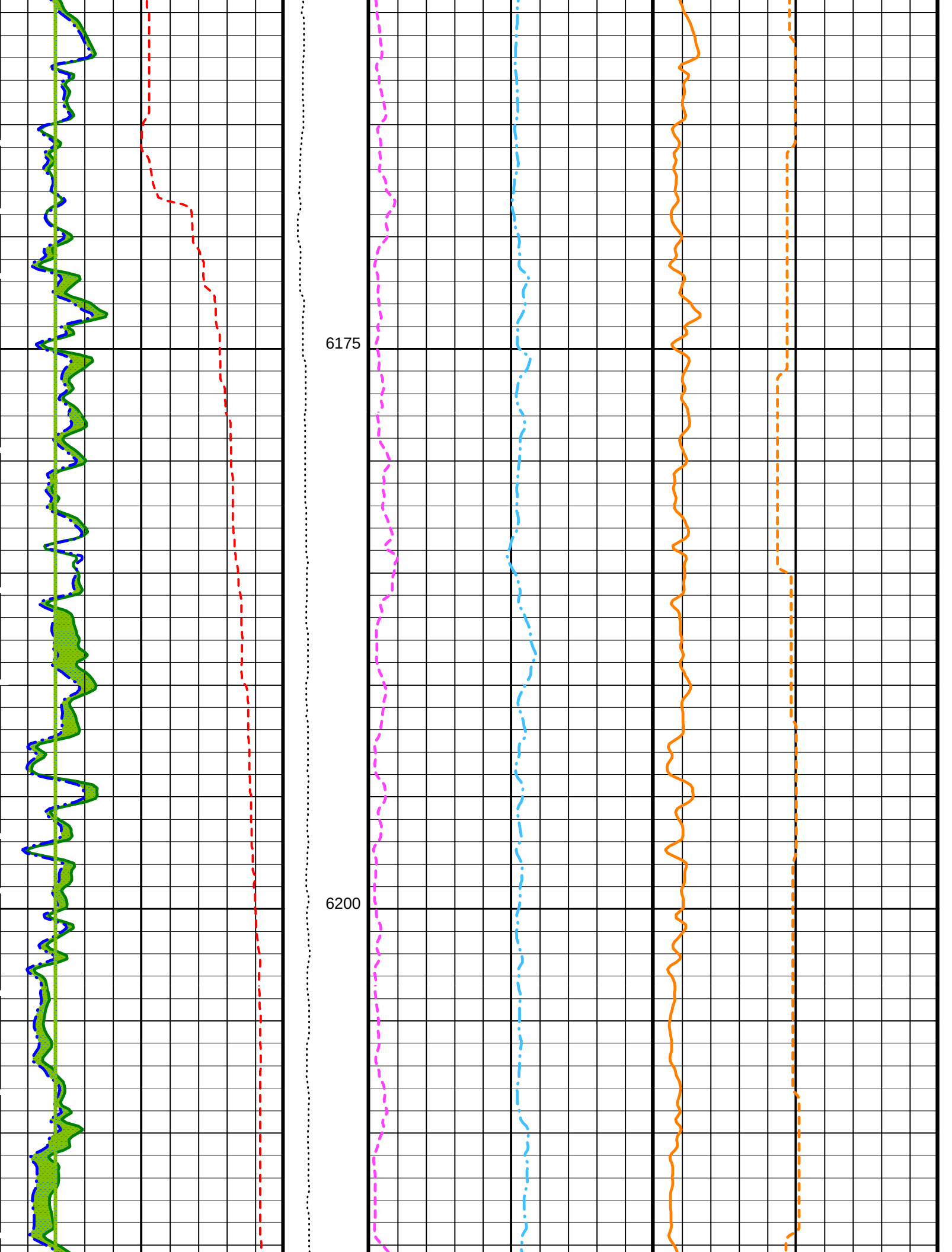

5900
5925

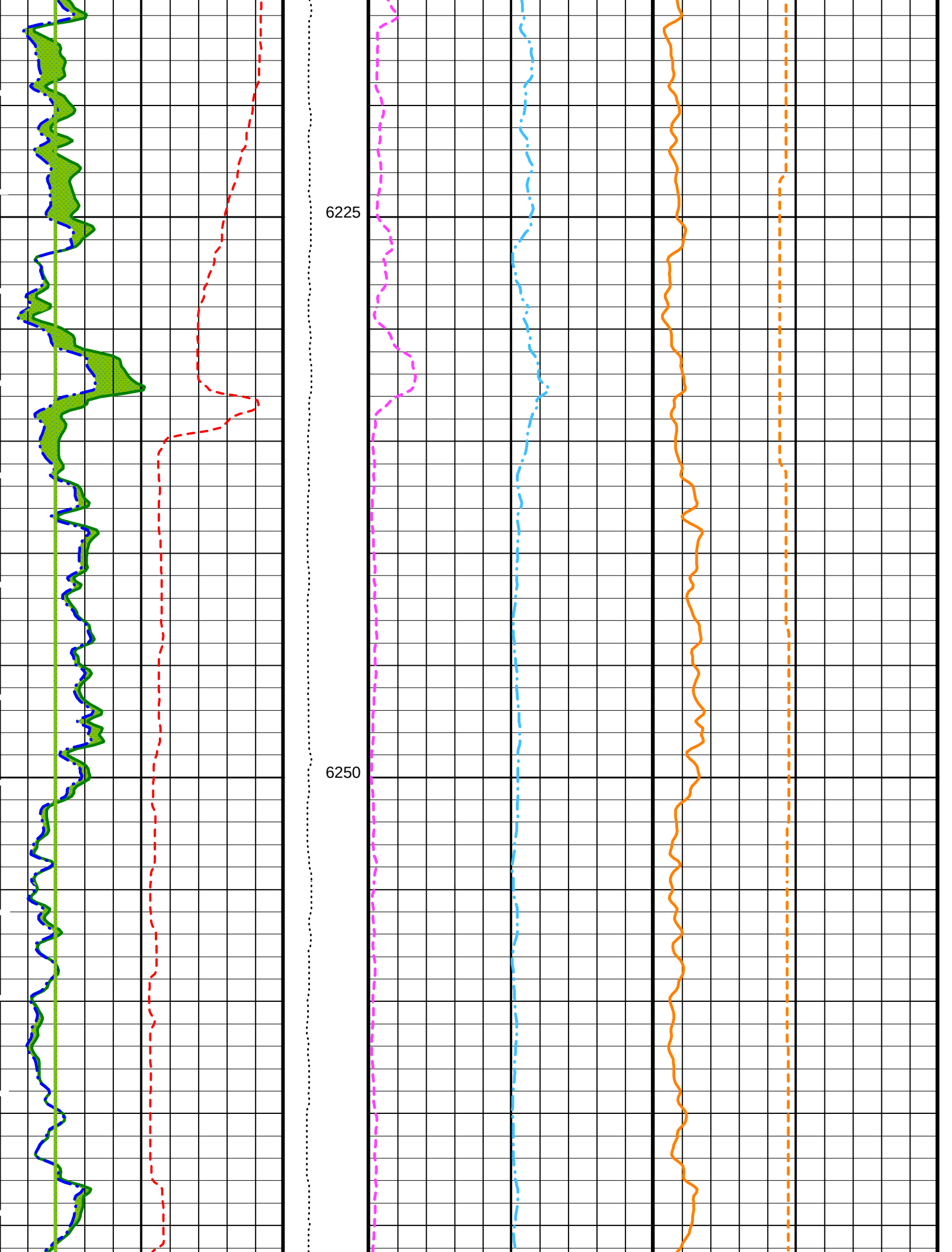

5950
5975

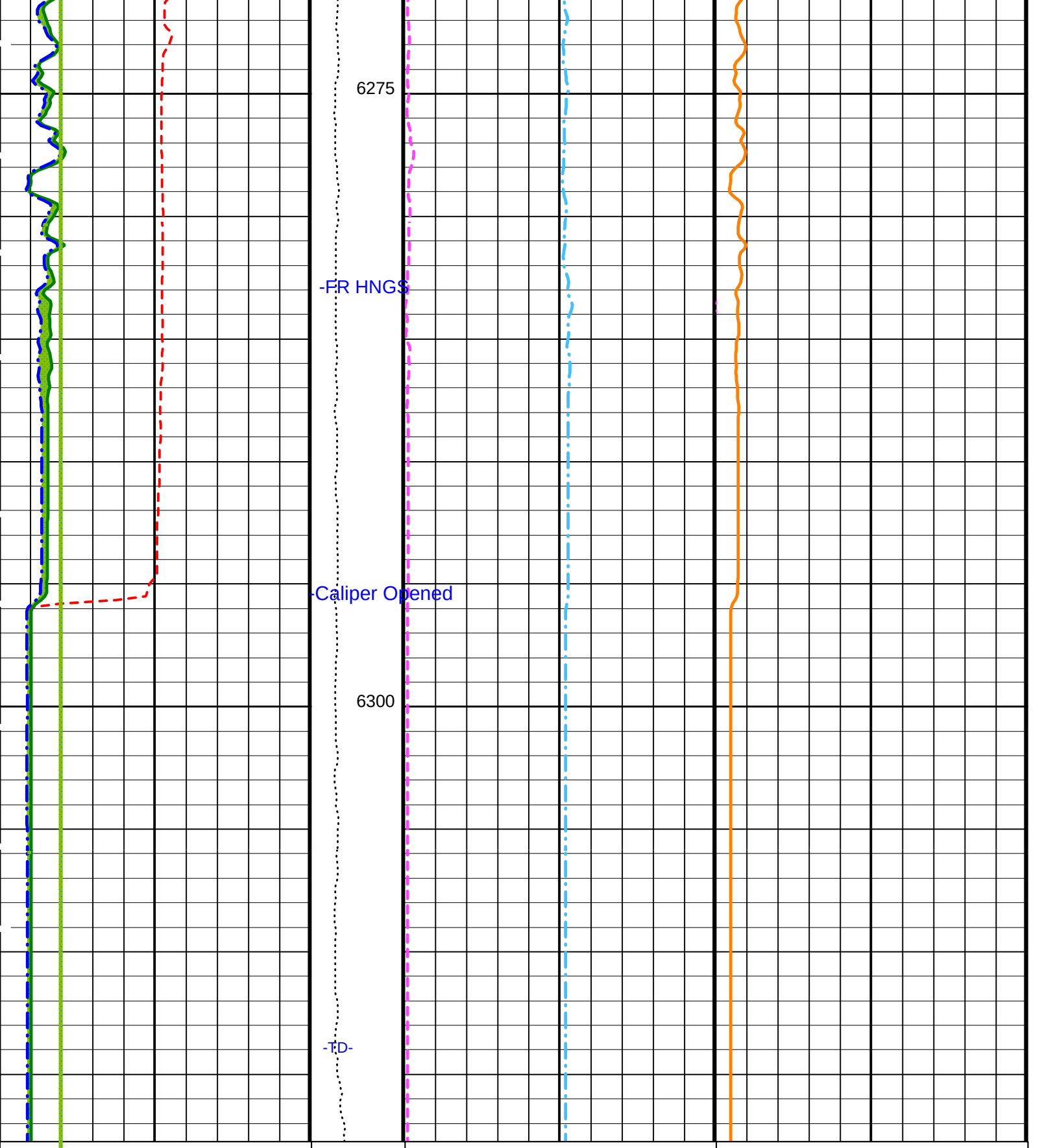

6000
6025


6050
6075
6100


First Reading HNGS
Last Reading HNGS
See Remarks
6125
TENS
HBHK
HFK
HURA
HTHO
HCGR
HSGR
CALI
6150


6175
6200


6225
6250



Caliper (CALI)
0 (IN) 20

Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
0 (PPM) 30

HNGS Potassium (HFK)
0 (----) 0.1

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

HNGS Uranium (HURA)
-10 (PPM) 30

Area1
From HCGR to HSGR

HNGS Borehole Potassium (HBHK)
-0.05 (----) 0.05

Main Combined Log

HNGS Spectroscopy Gamma Ray

HNGS Spectroscopy Gamma Ray (HSGR)

0 (GAPI) 100

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
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	
BKSF	HNGS Borehole Fluid Excluder Sleeve Algorithm Factor	1	
BKSH	HNGS Borehole Fluid Excluder Sleeve Algorithm High Channel	245	
BKSL	HNGS Borehole Fluid Excluder Sleeve Algorithm Low Channel	17	
BS	Bit Size	9.875	IN
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
D1FR	HNGS Detector 1 Calibration Thorium Peak Resolution	8.0343	%
D1TC	HNGS Detector 1 Calibration Temperature	87.4251	DEGF
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	210.477	
D2FR	HNGS Detector 2 Calibration Thorium Peak Resolution	7.33894	%
D2TC	HNGS Detector 2 Calibration Temperature	85.5201	DEGF
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	208.56	
DBCC	HNGS Barite Constant Correction Flag	NONE	
DFD	Drilling Fluid Density	1.05	G/C3
DO	Depth Offset for Playback	0.0	M
GCF1_START	HNGS Detector 1 GCF Constant	1	
GCF2_START	HNGS Detector 2 GCF Constant	1	
GCSE	Generalized Caliper Selection	CALI	
H1F	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2F	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00377598	
HALF	HNGS Alpha Filter Length	60	IN
HATIM	HNGS Marquardt Accumulation Time	600	S
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
HSLV	HNGS Borehole Fluid Excluder Sleeve Status	NO	
HSVN	HNGS Spectral Standards Version Number	3.92875e-032	
MARQ_START	HNGS Marquardt Start-up Mode	INTERNAL	
PP	Playback Processing	NORMAL	
RDF1_START	HNGS Detector 1 RDF Constant	0	
RDF2_START	HNGS Detector 2 RDF Constant	0	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S1NA	HNGS Detector 1 Calibration Sodium Count Rate	21.323	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.986452	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	21.8134	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.977534	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	9.20898e-005	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.07226	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.02923	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 14-Apr-2001 10:46

OP System Version: 9C2-303

MCM

DLT-E	9C2-303	HLDT-A	9C2-303
DTA-A	9C2-303	NPLC-B	9C2-303
APS-BA	9C2-303	HNGS-BA	9C2-303
DTC-H	9C2-303		

Input DLIS Files

DEFAULT	SPLICE_DLL_LDL_APS_096	FN:1	PRODUCER	14-Apr-2001 10:44	6317.7 M	5703.9 M

Output DLIS Files

DEFAULT	DLL_LDL_APS_HNGS_097PUP	FN:81	PRODUCER	14-Apr-2001 10:46		
REDUCE	DLL_LDL_APS_HNGS_097PUP	FN:82	PRODUCER	14-Apr-2001 10:46		

Input DLIS Files

DEFAULT	DLL_LDL_APS_HNGS_030LUP	FN:20	PRODUCER	12-Apr-2001 21:59	5904.7 M	5810.1 M

Output DLIS Files

DEFAULT	DLL_LDL_APS_HNGS_038PUP	FN:36	PRODUCER	13-Apr-2001 00:53	5904.7 M	5815.7 M
REDUCE	DLL_LDL_APS_HNGS_038PUP	FN:37	PRODUCER	13-Apr-2001 00:53	5904.7 M	5815.7 M

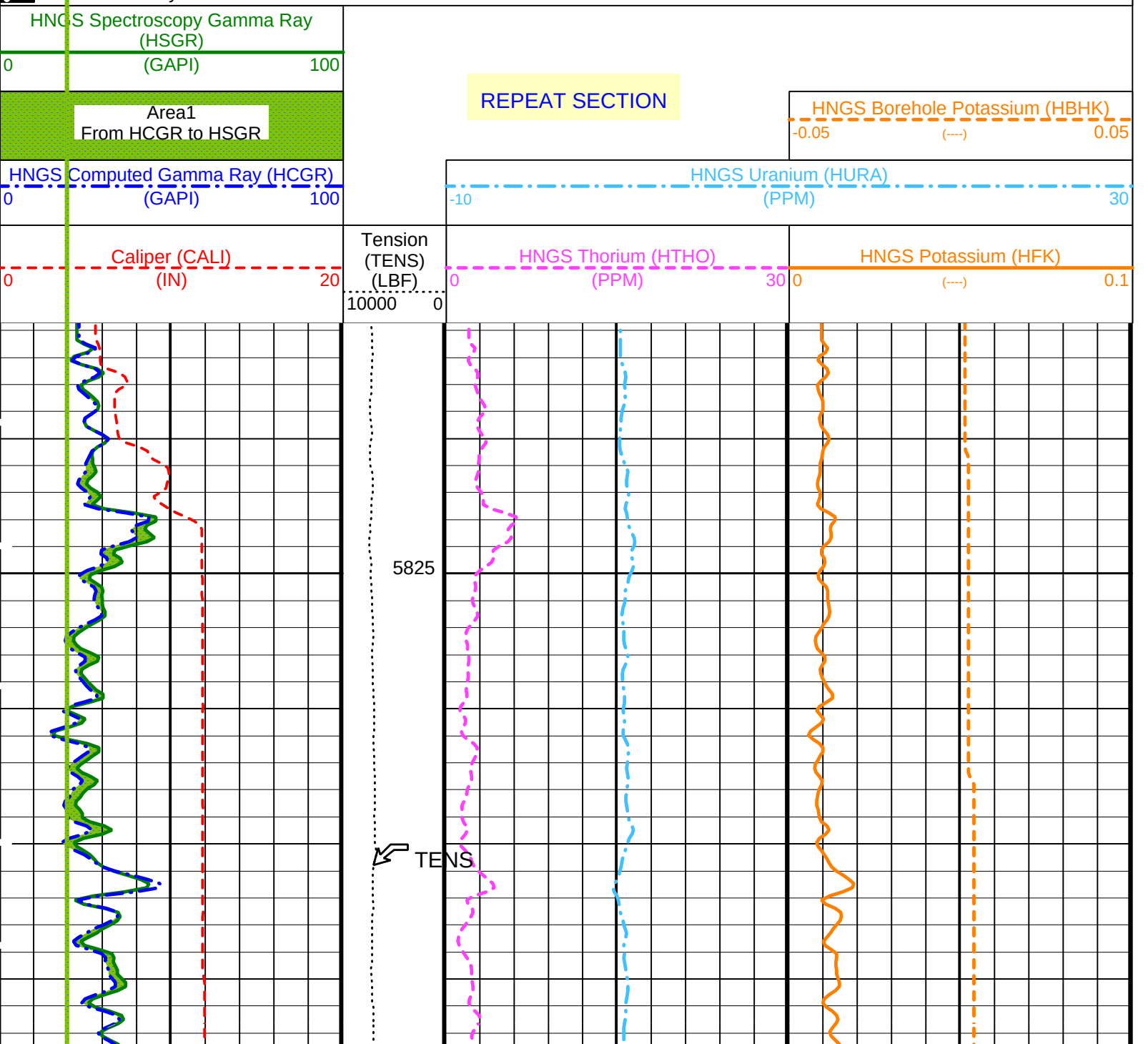
OP System Version: 9C2-303

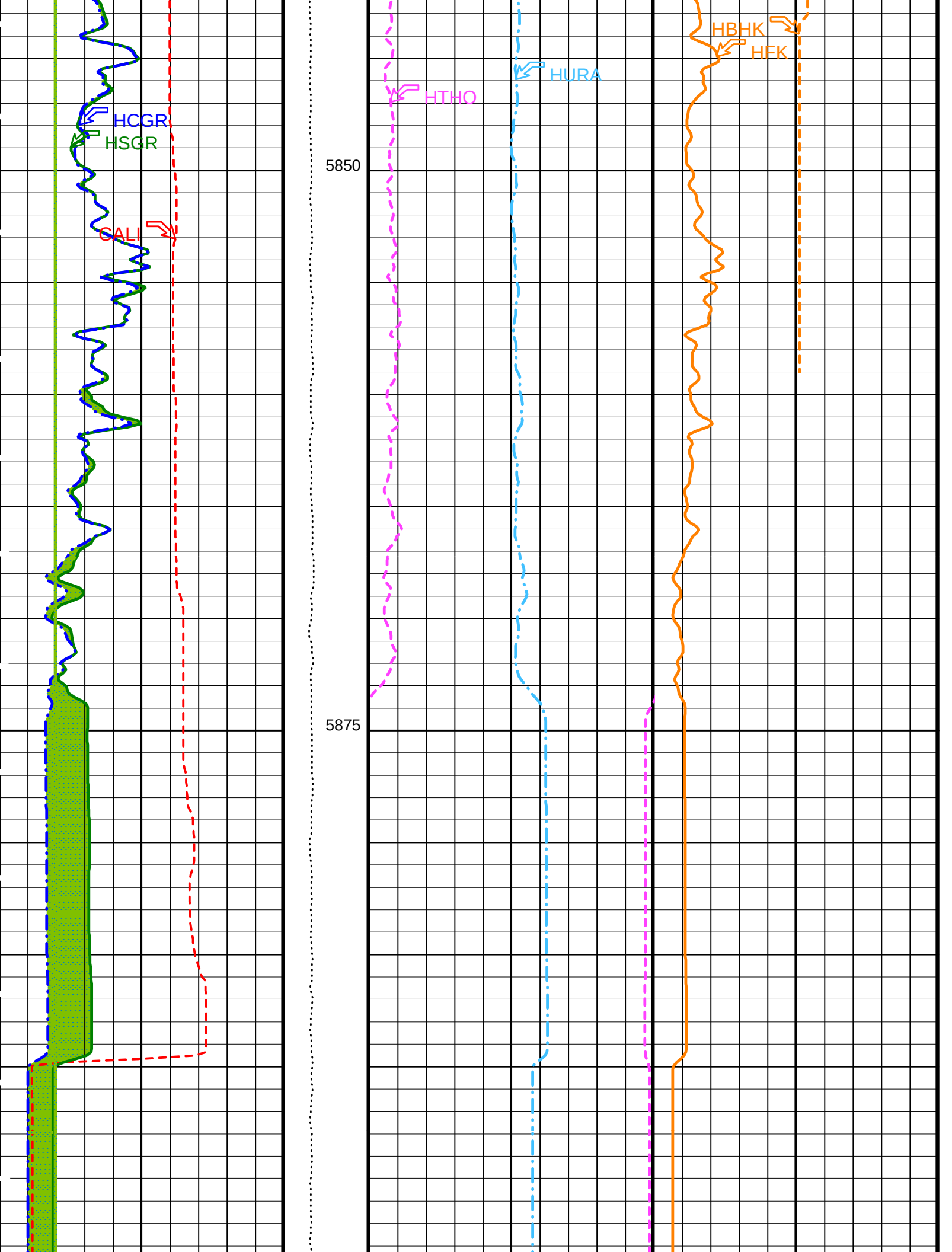
MCM

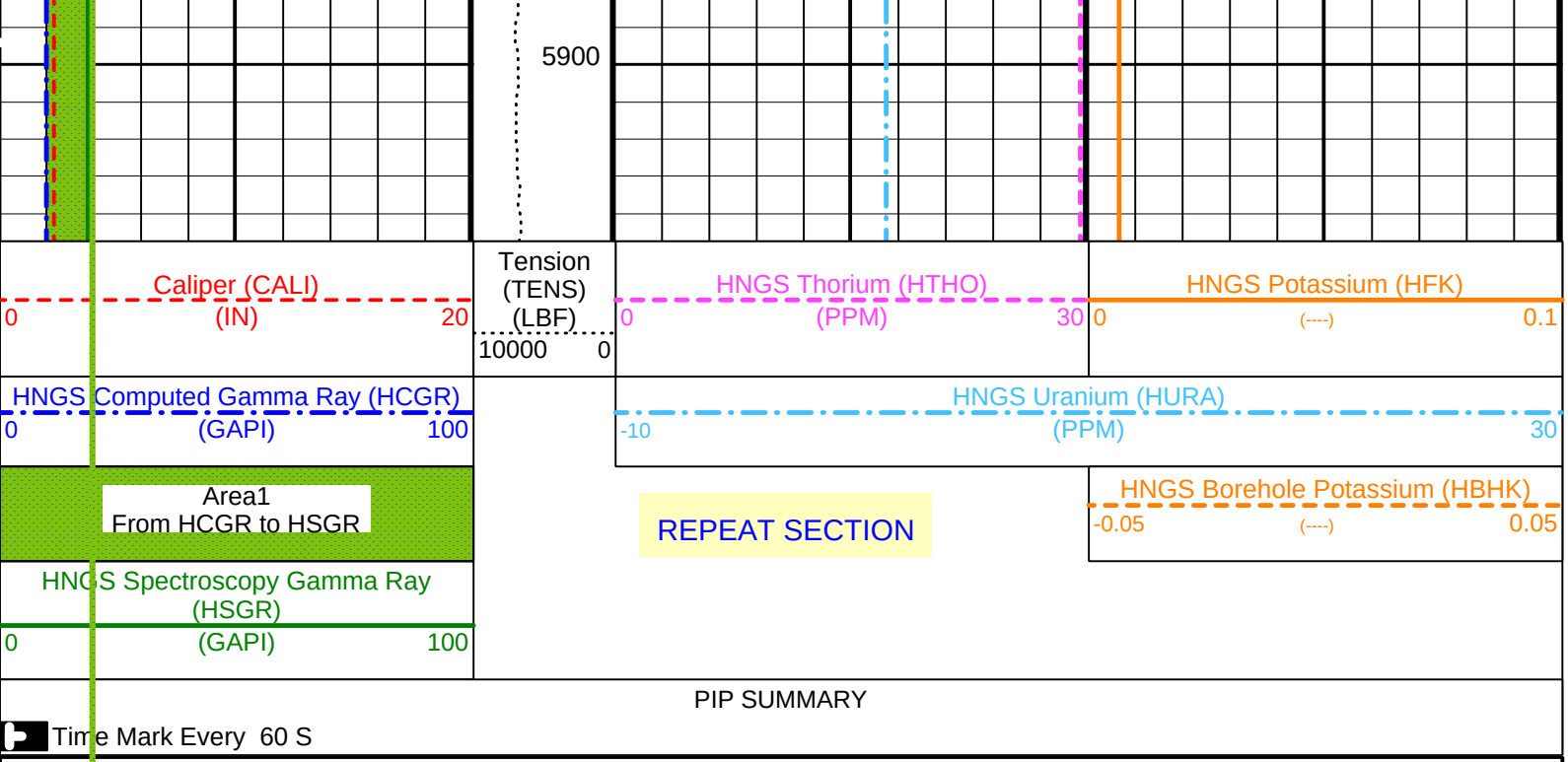
DLT-E	9C2-303	HLDT-A	9C2-303
DTA-A	9C2-303	NPLC-B	9C2-303
APS-BA	9C2-303	HNGS-BA	9C2-303
DTC-H	9C2-303		

PIP SUMMARY

Time Mark Every 60 S




HCGR
HSGR
CALI
HTHO
HURA
HBHK
HFK
5850
5875



Parameters

DLIS Name	Description	Value	
ALTDPCHAN	Name of alternate depth channel	MeasuredDepth	
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	
BKSF	HNGS Borehole Fluid Excluder Sleeve Algorithm Factor	1	
BKSH	HNGS Borehole Fluid Excluder Sleeve Algorithm High Channel	245	
BKSL	HNGS Borehole Fluid Excluder Sleeve Algorithm Low Channel	17	
BS	Bit Size	9.875	IN
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
D1FR	HNGS Detector 1 Calibration Thorium Peak Resolution	8.0343	%
D1TC	HNGS Detector 1 Calibration Temperature	87.4251	DEGF
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	210.477	
D2FR	HNGS Detector 2 Calibration Thorium Peak Resolution	7.33894	%
D2TC	HNGS Detector 2 Calibration Temperature	85.5201	DEGF
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	208.56	
DBCC	HNGS Barite Constant Correction Flag	NONE	
DFD	Drilling Fluid Density	1.05	G/C3
DO	Depth Offset for Playback	0.0	M
GCF1_START	HNGS Detector 1 GCF Constant	1	
GCF2_START	HNGS Detector 2 GCF Constant	1	
GCSE	Generalized Caliper Selection	CALI	
H1F	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2F	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0040082	
HALF	HNGS Alpha Filter Length	60	IN
HATIM	HNGS Marquardt Accumulation Time	600	S
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
HSLV	HNGS Borehole Fluid Excluder Sleeve Status	NO	
HSVN	HNGS Spectral Standards Version Number	2.30388e-036	
MARQ_START	HNGS Marquardt Start-up Mode	INTERNAL	
PBVSADP	Use alternate depth channel for playback	YES	
PP	Playback Processing	RECOMPUTE	
RDF1_START	HNGS Detector 1 RDF Constant	0	
RDF2_START	HNGS Detector 2 RDF Constant	0	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S1NA	HNGS Detector 1 Calibration Sodium Count Rate	21.323	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.986452	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	21.8134	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.977534	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	8.45832e-005	

SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
TPOS	Tool Position	ECCE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.06885
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.04232

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 13-Apr-2001 00:53

OP System Version: 9C2-303

MCM

DLT-E	9C2-303	HLDT-A	9C2-303
DTA-A	9C2-303	NPLC-B	9C2-303
APS-BA	9C2-303	HNGS-BA	9C2-303
DTC-H	9C2-303		

Input DLIS Files

DEFAULT	DLL_LDL_APS_HNGS_030LUP	FN:20	PRODUCER	12-Apr-2001 21:59	5904.7 M	5810.1 M

Output DLIS Files

DEFAULT	DLL_LDL_APS_HNGS_038PUP	FN:36	PRODUCER	13-Apr-2001 00:53
REDUCE	DLL_LDL_APS_HNGS_038PUP	FN:37	PRODUCER	13-Apr-2001 00:53

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
DUAL LATEROLOG - E Wellsite Calibration - DLT ELECTRONICS CALIBRATION Laterolog Measurement							
Before: 12-Apr-2001 19:31 After: 13-Apr-2001 0:05							
MEASURED LLD	31.62	N/A	31.96	31.95	-0.009939	0.9000	OHMM
MEASURED LLS	31.62	N/A	31.13	31.15	0.01953	0.9000	OHMM
Hostile Environment Litho Density - A Wellsite Calibration - Background Measurement							
Master: 25-Feb-2001 4:31 Before: 17-Mar-2001 2:28 After: 13-Apr-2001 2:11							
LSW1 Background	100.0	89.57	90.13	89.70	-0.4220	0.03000	CPS
LSW2 Background	105.0	93.01	94.83	94.01	-0.8213	0.03000	CPS
LSW3 Background	210.0	182.4	180.0	181.4	1.325	0.03000	CPS
LSW4 Background	290.0	244.1	244.0	243.0	-1.012	0.03000	CPS
LSW5 Background	610.0	539.3	535.2	533.1	-2.070	0.03000	CPS
SSW1 Background	100.0	86.90	87.09	86.97	-0.1207	0.03000	CPS
SSW2 Background	200.0	172.0	171.7	170.1	-1.511	0.03000	CPS
SSW3 Background	530.0	455.8	454.0	451.8	-2.122	0.03000	CPS
SSW4 Background	280.0	240.8	240.9	239.7	-1.131	0.03000	CPS
SSW5 Background	205.0	178.8	179.0	179.2	0.2390	0.03000	CPS
Hostile Environment Litho Density - A Wellsite Calibration - Tool Quality Control Information High Voltage							
Master: 25-Feb-2001 4:31 Before: 17-Mar-2001 2:28 After: 13-Apr-2001 2:11							
LS Bkg. High Voltage	1127	1127	1132	1134	2.103	N/A	V
SS Bkg. High Voltage	1178	1178	1178	1180	2.536	N/A	V
Hostile Environment Litho Density - A Wellsite Calibration - Detectors Resolution From BKG Measurments							
Master: 25-Feb-2001 4:31 Before: 17-Mar-2001 2:28 After: 13-Apr-2001 2:11							
LS Background Resolution	1.000	1.027	1.041	1.045	0.003996	N/A	
SS Background Resolution	1.000	0.9461	0.9462	0.9470	0.0008126	N/A	
Hostile Environment Litho Density - A Wellsite Calibration - Caliper Calibration							
Before: 17-Mar-2001 2:07							
Caliper Small Ring	12.00	N/A	16.23	N/A	N/A	N/A	IN
Caliper Large Ring	18.25	N/A	23.88	N/A	N/A	N/A	IN
Accelerator-Porosity Tool Wellsite Calibration - Detector Background							
Master: 24-Feb-2001 4:02 Before: 12-Apr-2001 16:55 After: 12-Apr-2001 23:55							
Near Det Bkg Cntrate	30.00	32.57	32.70	55.83	23.12	N/A	CPS
Far Det Bkg Cntrate	30.00	32.66	32.64	34.38	1.745	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	29.51	29.03	38.58	9.554	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	30.14	31.34	37.91	6.580	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	33.69	31.99	38.16	6.171	N/A	CPS
Accelerator-Porosity Tool Wellsite Calibration - Calibration Ratios							
Master: 24-Feb-2001 4:02							
Near/Far Calibration Ratio	0.9250	0.9008	N/A	N/A	N/A	N/A	
Near/Array Calibration Ratio	1.030	1.064	N/A	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check:							

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check
Master: 24-Feb-2001 5:08 Before: 11-Mar-2001 3:09 After: 13-Apr-2001 2:16

Na 511 Peak Loc	40.00	40.59	40.57	40.79	0.2230	1.000	
Na 511 Peak Res	15.50	16.64	16.82	15.62	-1.199	2.000	%
High Voltage	1150	1101	1108	1108	-0.2228	30.00	V
Na 1785 Peak Loc	142.6	145.5	146.4	146.3	-0.03072	7.000	
Na 1785 Peak Res	8.500	9.019	9.237	9.499	0.2612	2.000	%
Temperature	15.50	30.80	32.93	30.94	-1.994	N/A	DEGC
Na Count Rate	45.00	21.32	21.01	20.42	-0.5898	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check
Master: 24-Feb-2001 5:08 Before: 11-Mar-2001 3:09 After: 13-Apr-2001 2:16

Na 511 Peak Loc	40.00	40.60	40.59	40.49	-0.09770	1.000	
Na 511 Peak Res	15.50	16.11	16.15	15.31	-0.8404	2.000	%
High Voltage	1150	1189	1197	1196	-0.6383	30.00	V
Na 1785 Peak Loc	142.6	144.7	145.0	144.8	-0.2100	7.000	
Na 1785 Peak Res	8.500	9.551	7.951	8.858	0.9066	2.000	%
Temperature	15.50	29.75	31.98	30.79	-1.189	N/A	DEGC
Na Count Rate	45.00	21.81	21.19	20.76	-0.4358	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2
Master: 24-Feb-2001 5:08 Before: 11-Mar-2001 3:09 After: 13-Apr-2001 2:16

Coincidence Count Rate Ratio	1.000	0.9809	0.9916	0.9853	-0.006294	0.05000	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration
Master: 24-Feb-2001 4:53

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	210.5	--	--	--	--	
Th Peak Res	7.000	8.034	--	--	--	--	%
Background Count Rate	142.5	16.57	--	--	--	--	CPS
Gain Ratio	1.000	0.9865	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration
Master: 24-Feb-2001 4:53

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	208.6	--	--	--	--	
Th Peak Res	7.000	7.339	--	--	--	--	%
Background Count Rate	142.5	18.32	--	--	--	--	CPS
Gain Ratio	1.000	0.9775	--	--	--	--	

Accelerator-Porosity Tool - Detector Plateau Settings :

Near Detector Plateau Setting 1748 V
Far Detector Plateau Setting 2052 V
Array Detector Plateau Setting 1969 V

DUAL LATEROLOG - E / Equipment Identification

Primary Equipment:

Auxiliary Equipment:

Dual Laterolog Electrode	DLE - E	
Dual Laterolog Sonde	DLS - F	929
Dual Laterolog Housing	DLH - CB	2893
Dual Laterolog Cartridge	DLC - D	930
Laterolog Control Module	LCM - AA	728

Hostile Environment Litho Density - A / Equipment Identification

Primary Equipment:

HOSTILE ENVIRONMENT LITHO DENSITY HIGH V	HLDV - A	10
HOSTILE ENVIRONMENT LITHO DENSITY CARTRI	HLDC - AA	11
Gamma Source Radioactive	GSR - Z	1846

Auxiliary Equipment:

HOSTILE ENVIRONMENT LITHO DENSITY SONDE	HLDS - B	10
HOSTILE ENVIRONMENT ELECTRONICS CARTRIDG	HEH - H	12
HOSTILE ENVIRONMENT ELECTRONICS CARTRIDG	HEH - G	11
HOSTILE ENVIRONMENT LITHO DENSITY PAD	HLDP - B	10

Nuclear Porosity Lithology Cartridge - B / Equipment Identification

Primary Equipment:		
NPLC Cartridge	NPLC - B	79
Auxiliary Equipment:		
NPLC Housing	NPH - B	82

Accelerator-Porosity Tool / Equipment Identification

Primary Equipment:		
Accelerator-Porosity Sonde	APS - BA	22
APS Minitron	MNTR - F	4185
Auxiliary Equipment:		
Accelerator-Porosity Housing	APH - AC	22
APS Calibration Water Tank	SFT - 178	4722
APS Aluminium Calibrator Sleeve	SFT - 281	24

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	135

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value
Master		40.59
Before		40.57
After		40.79
	37.5 (Minimum) 40.00 (Nominal) 42.50 (Maximum)	

Phase	Na 511 Peak Res %	Value
Master		16.64
Before		16.82
After		15.62
	12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)	

Phase	High Voltage V	Value
Master		1101
Before		1108
After		1108
	900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	

Phase	Na 1785 Peak Loc	Value
Master		145.5
Before		146.4
After		146.3
	135.((Minimum) 142.6 (Nominal) 150.3 (Maximum)	

Phase	Na 1785 Peak Res %	Value
Master		9.019
Before		9.237
After		9.499
	7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)	

Phase	Temperature DEGC	Value
Master		30.80
Before		32.93
After		30.94
	-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	

Phase	Na Count Rate CPS	Value
Master		21.32
Before		21.01
After		20.42
	15.0((Minimum) 45.00 (Nominal) 100.0 (Maximum)	

Master: 2[illegible]-Feb-2001 5:08 Before: 11-Mar-2001 3:09 After: 13-Apr-2001 2:16

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 2 Check

Phase	Na 511 Peak Loc	Value
Master		40.60
Before		40.59
After		40.49
	37.5((Minimum) 40.00 (Nominal) 42.50 (Maximum)	

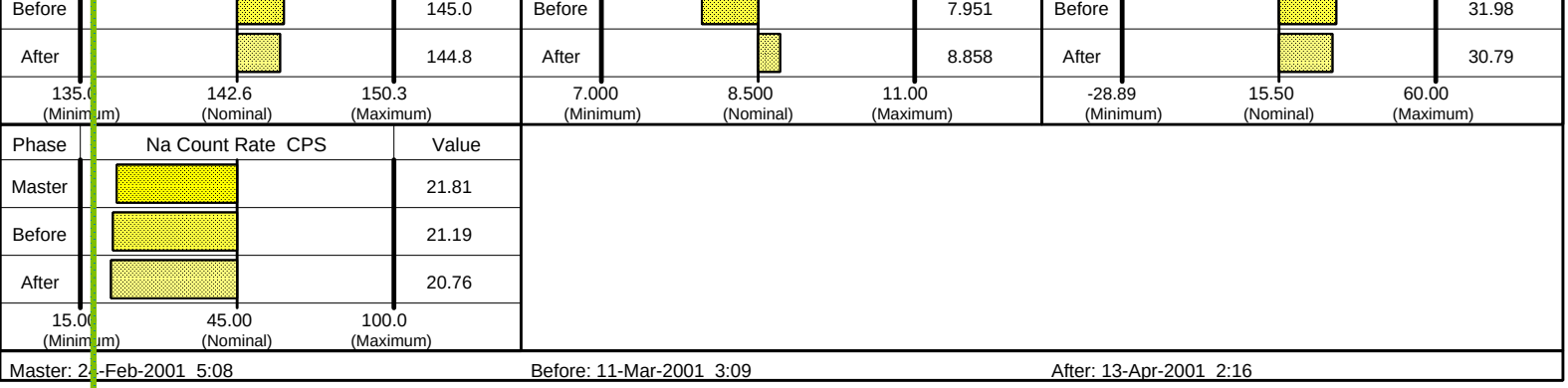
Phase	Na 511 Peak Res %	Value
Master		16.11
Before		16.15
After		15.31
	12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)	

Phase	High Voltage V	Value
Master		1189
Before		1197
After		1196
	900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	

Phase	Na 1785 Peak Loc	Value
Master		144.7

Phase	Na 1785 Peak Res %	Value
Master		9.551

Phase	Temperature DEGC	Value
Master		29.75



Phase	Na Count Rate CPS	Value
Master		21.81
Before		21.19
After		20.76

15.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)

Master: 2[illegible]-Feb-2001 5:08 Before: 11-Mar-2001 3:09 After: 13-Apr-2001 2:16

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value
Master		0.9809
Before		0.9916
After		0.9853

0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)

Master: 2[illegible]-Feb-2001 5:08
Before: 1[illegible]-Mar-2001 3:09
After: 13-[illegible]pr-2001 2:16

Hostile Natural Gamma Ray Sonde Master Calibration

Detector 1 Calibration

Phase	Na 511 Peak Set Point	Value
Master		41.00

38.00 (Minimum) 40.00 (Nominal) 42.00 (Maximum)

Phase	Th Peak Loc	Value
Master		210.5

201.0 (Minimum) 209.6 (Nominal) 218.3 (Maximum)

Phase	Th Peak Res %	Value
Master		8.034

5.000 (Minimum) 7.000 (Nominal) 9.000 (Maximum)

Phase	Background Count Rate CPS	Value
Master	EXCEEDS LIMIT	16.57

20.00 (Minimum) 142.5 (Nominal) 265.0 (Maximum)

Phase	Gain Ratio	Value
Master		0.9865

0.9400 (Minimum) 1.000 (Nominal) 1.060 (Maximum)

Master: 2[illegible]-Feb-2001 4:53

Hostile Natural Gamma Ray Sonde Master Calibration

Detector 2 Calibration

Phase	Na 511 Peak Set Point	Value
Master		41.00

38.00 (Minimum) 40.00 (Nominal) 42.00 (Maximum)

Phase	Th Peak Loc	Value
Master		208.6

201.0 (Minimum) 209.6 (Nominal) 218.3 (Maximum)

Phase	Th Peak Res %	Value
Master		7.339

5.000 (Minimum) 7.000 (Nominal) 9.000 (Maximum)

Phase	Background Count Rate CPS	Value
Master	EXCEEDS LIMIT	18.32

20.00 (Minimum) 142.5 (Nominal) 265.0 (Maximum)

Phase	Gain Ratio	Value
Master		0.9775

0.9400 (Minimum) 1.000 (Nominal) 1.060 (Maximum)

Master: 2[illegible]-Feb-2001 4:53

COMPANY:	Lamont Doherty
WELL:	ODP Leg 195, Site 1201D (WP-1B)
FIELD:	ION
Country:	Japan

BOTTOM LOG INTERVAL	6283 m
SCHLUMBERGER DEPTH	6314 m
DEPTH DRILLER	6320 m
KELLY BUSHING	11.2989 m
DRILL FLOOR	11 m

Country: Japan

Ocean: West Phillipine Sea

GROUND LEVEL	-5720 m

Schlumberger

HNGS
Natural gamma Ray