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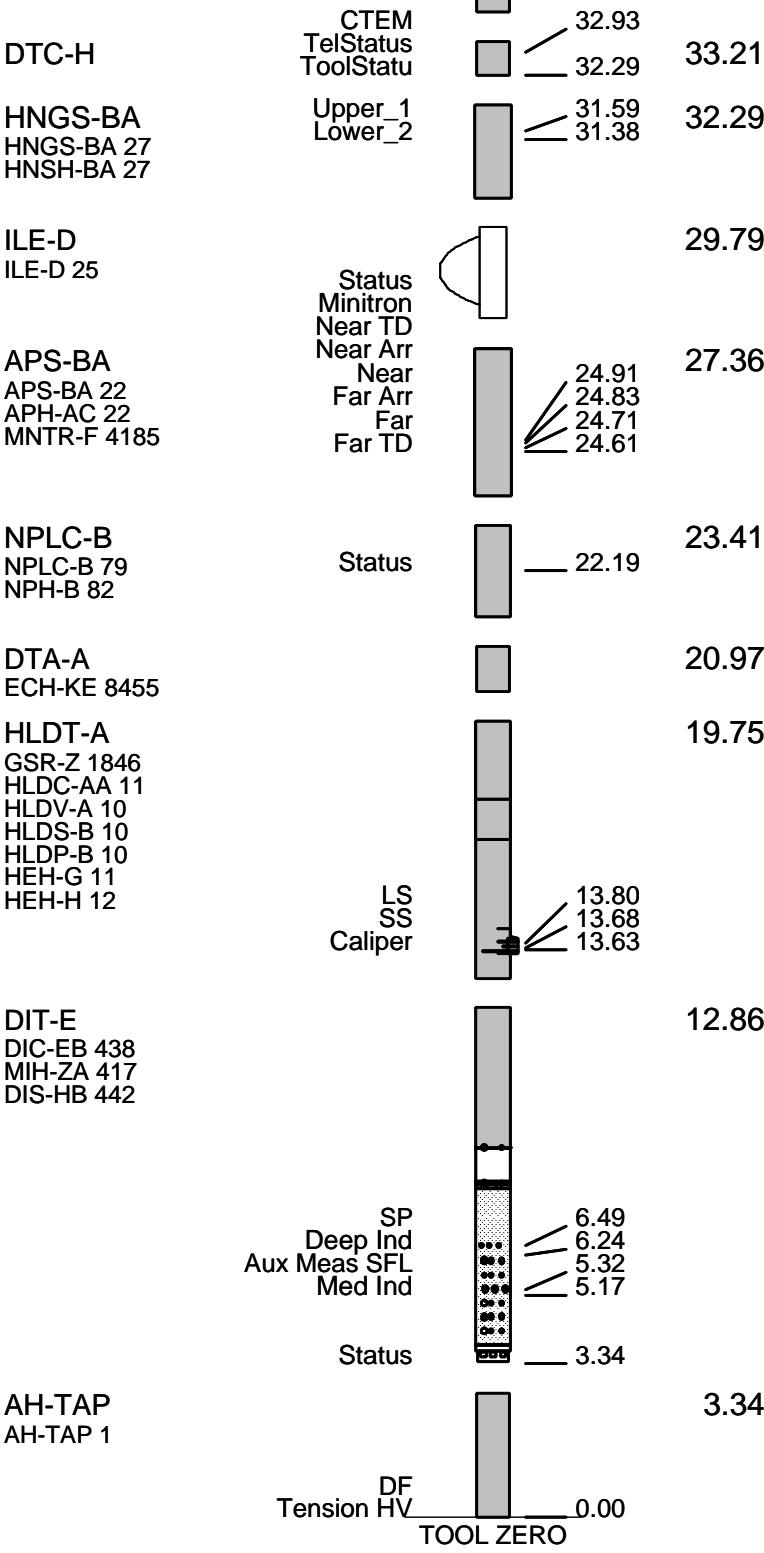
OTHER SERVICES1 OS1: HLDT/APS/DITE OS2: FMS/DSST OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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REMARKS: RUN NUMBER 1 Hole cored with APC/XCB. Log presented in Meters Below Rig Floor (MBRF). Lamont Temperature tool (TAP) was run on Triple Combo, Run 1. Toolstring-TAP/DITE/HLDT/APS/HNGS/MGT Lamont Multi-Sensor Gamma Ray tool (MGT) was run on Triple Combo, Run 1. Wireline Heave Compensator (WHC) was used on all runs. Sepiolite mud was used to displace the hole during the wiper trip after drilling Drillers TD 5325 MBRF, Driller Pipe depth: 5156 MBRF. Schlumberger TD 5326 MBRF. Drill Pipe Schlumberger 5159 MBRF.	REMARKS: RUN NUMBER 2
Low background countrate on HNGS Master Calibration signifies a weak internal source used only as a check of the detector and is not used in the calibration.	

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:	9C2-303		PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1		RUN 2	
SURFACE EQUIPMENT			
SFT-281 24 SFT-178 4722 GSR-U 135 WITM (DTS)-A			
DOWNHOLE EQUIPMENT			
LEH-QT		39.75	
AH-MGT		38.86	
AH-MGT			



TOOL ZERO

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

Output DLIS Files

DEFAULT	PI_LDL_APS_HNGS_004LUP	FN:5	PRODUCER	25-Nov-2001 15:29	5328.7 M	5055.3 M
REDUCE	PI_LDL_APS_HNGS_004LUP	FN:6	PRODUCER	25-Nov-2001 15:29	5328.7 M	5055.3 M

OP System Version: 9C2-303 MCM

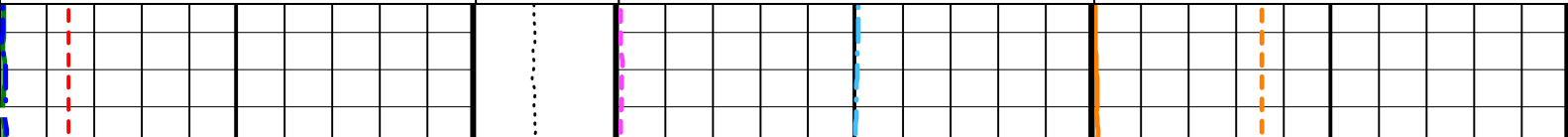
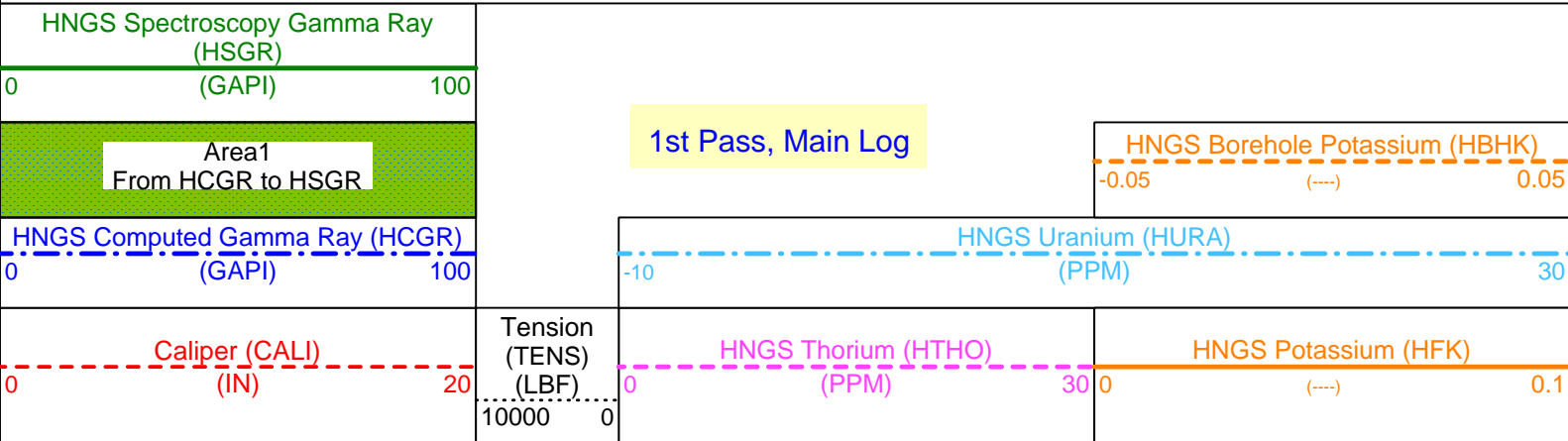
DIT-E	9C2-303	HLDT-A	9C2-303
DTA-A	9C2-303	NPLC-B	9C2-303
APS-BA	9C2-303	HNGS-BA	9C2-303
DTC-H	9C2-303		

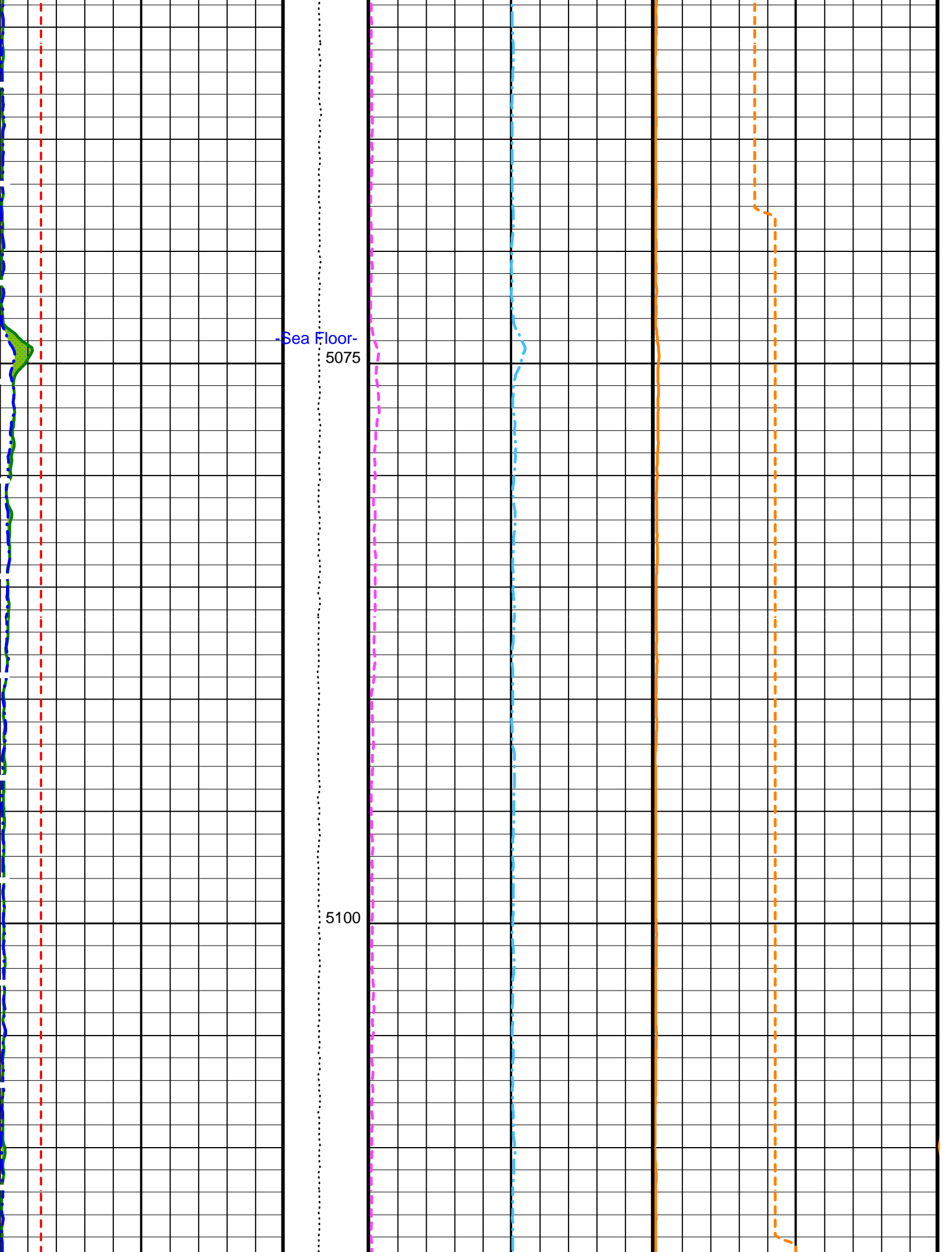
Changed Parameter Summary

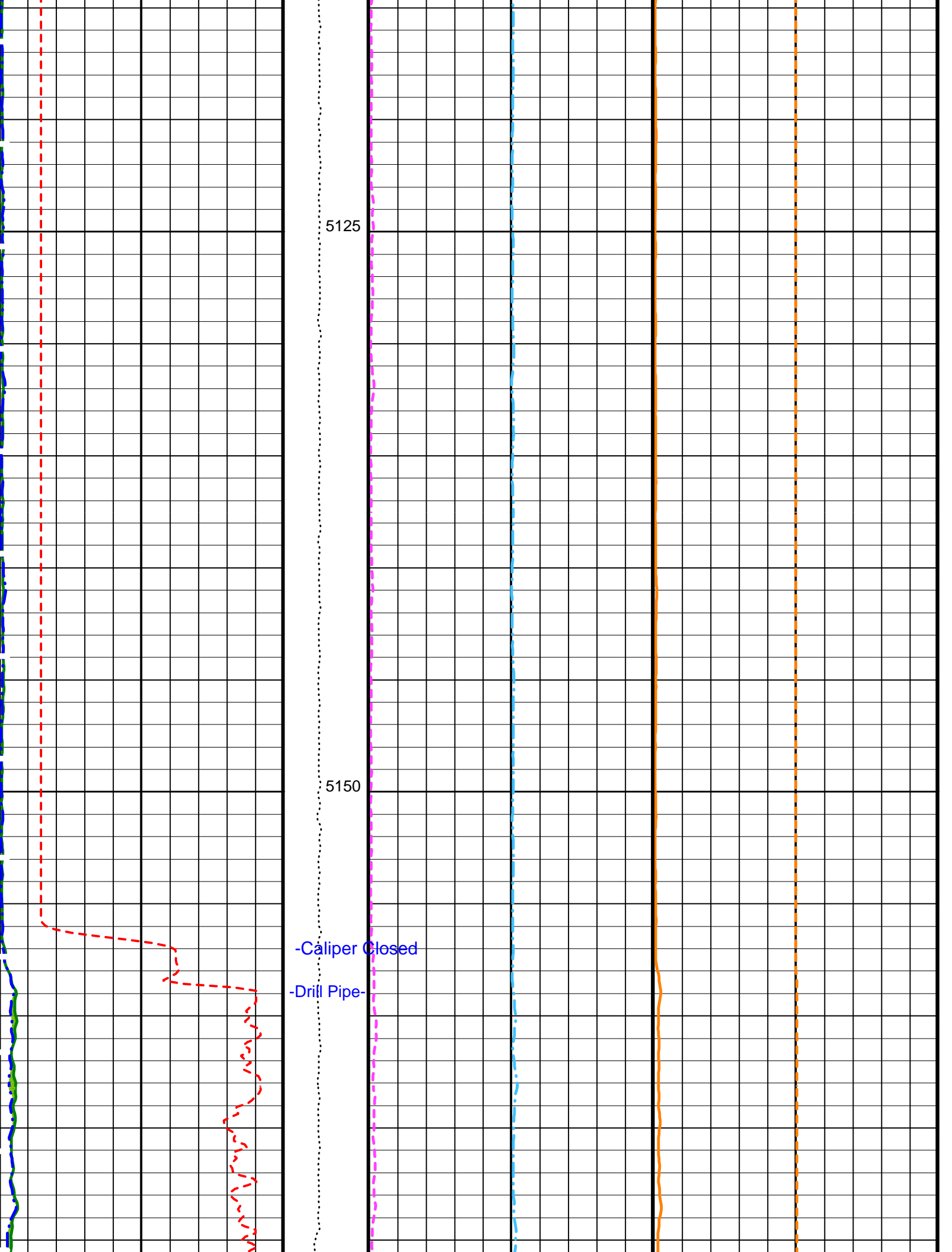
DLIS Name	New Value	Previous Value	Depth & Time
GCSE	CALI	BS	5300.7 15:39:30

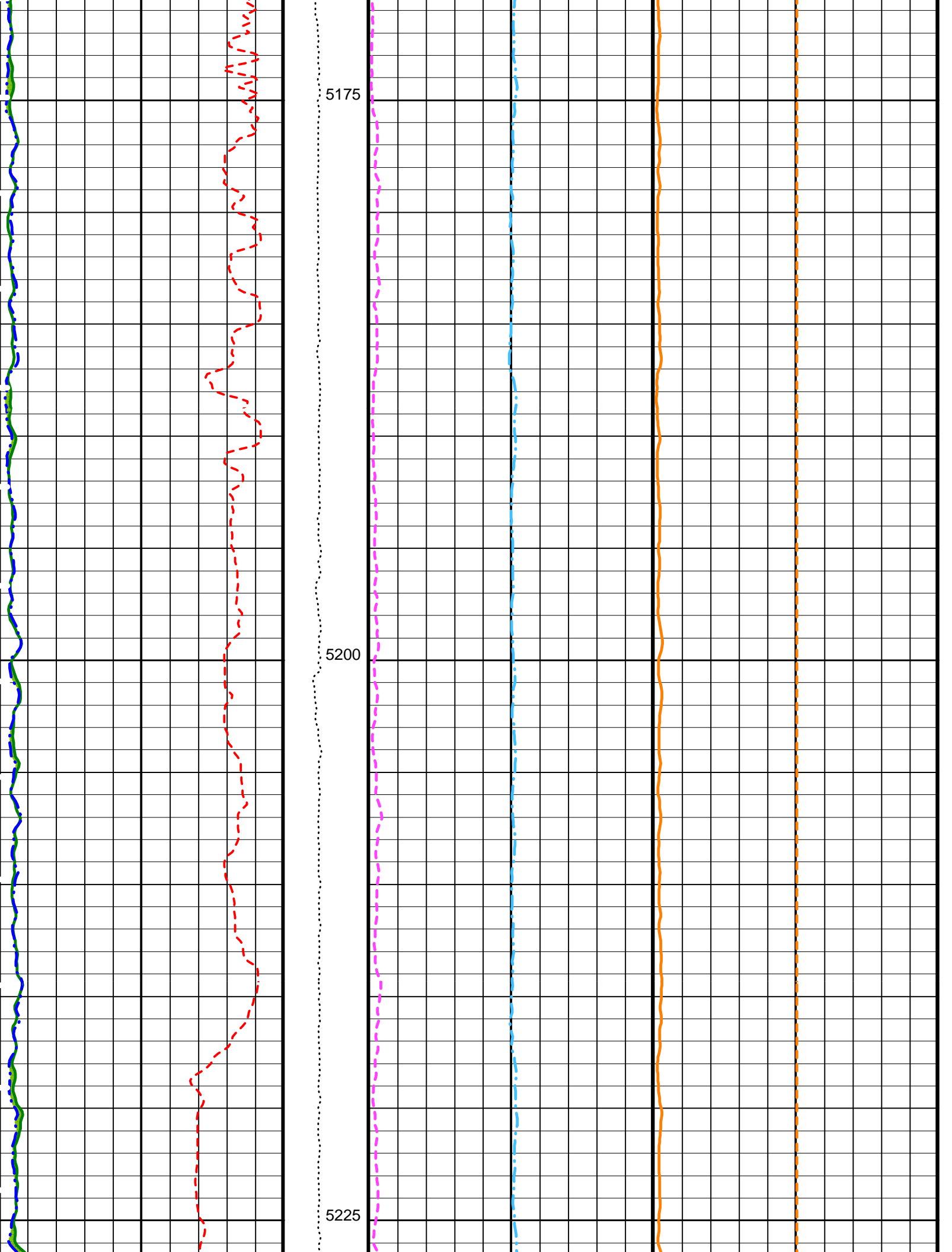
PIP SUMMARY

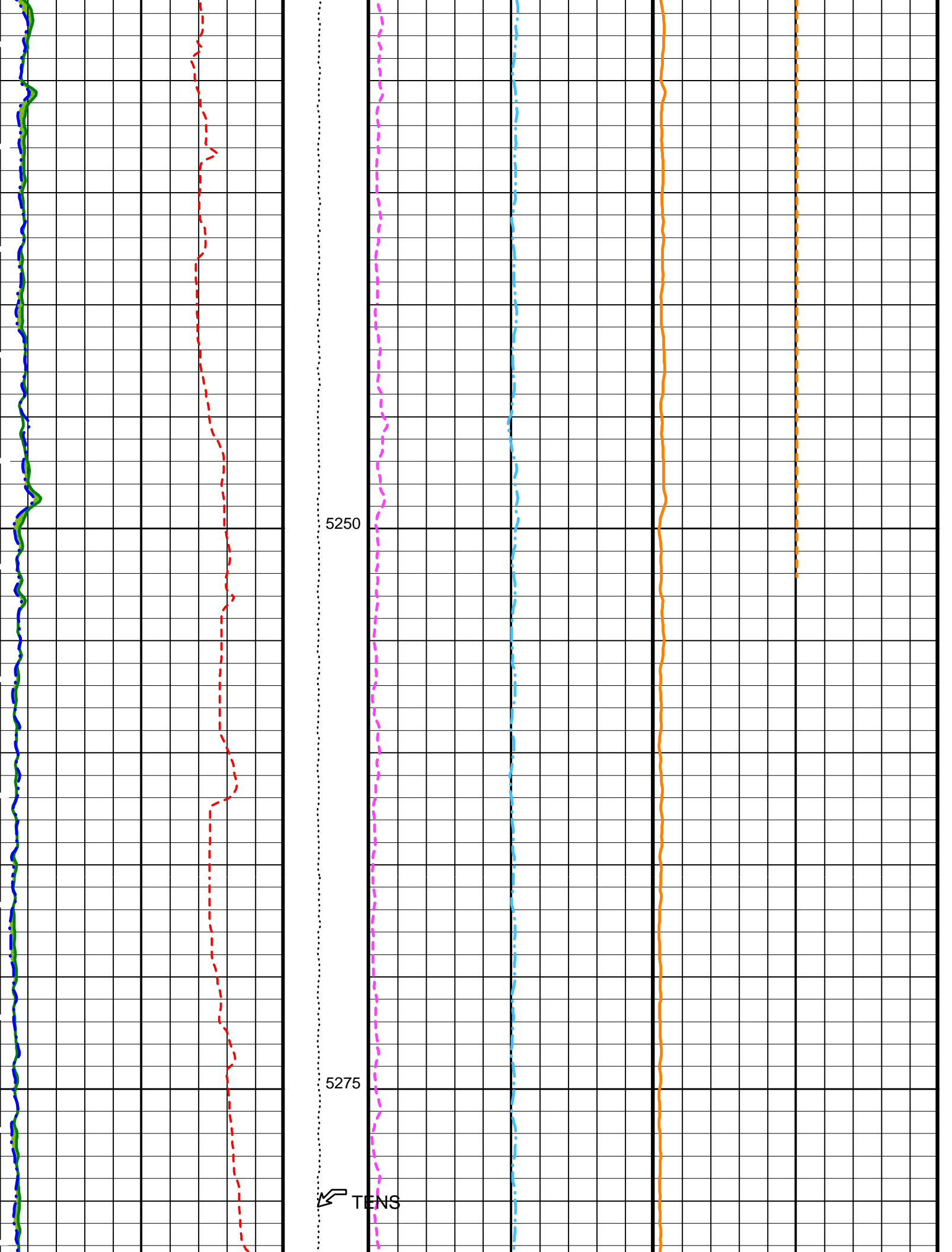
Time Mark Every 60 S

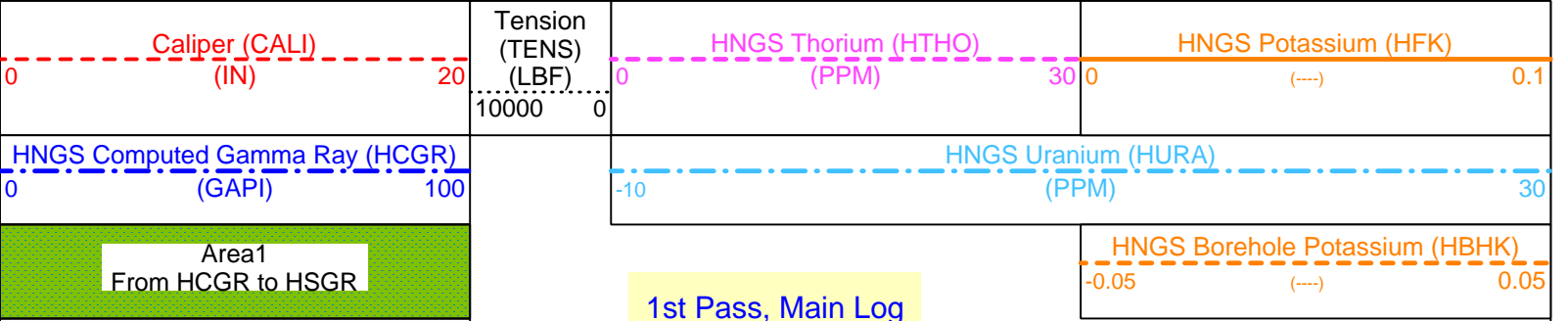
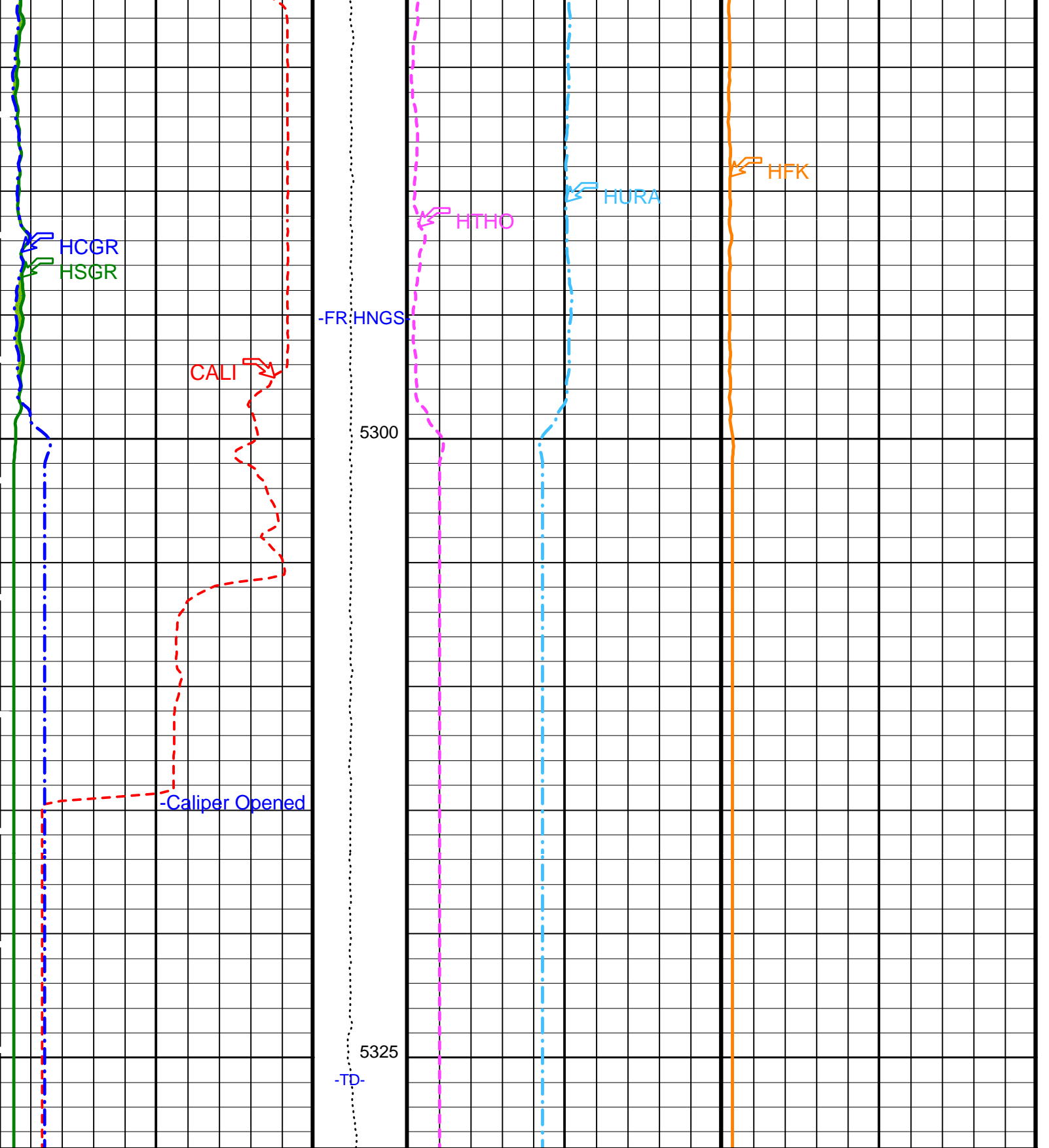












Area1
From HCGR to HSGR

1st Pass, Main Log

HNGS Spectroscopy Gamma Ray

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	11.438	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
D1PR	HNGS Detector 1 Calibration Thorium Peak Resolution	7.94455	%
D1TC	HNGS Detector 1 Calibration Temperature	31.7278	DEGC
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	210.396	
D2PR	HNGS Detector 2 Calibration Thorium Peak Resolution	7.23028	%
D2TC	HNGS Detector 2 Calibration Temperature	30.9207	DEGC
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	209.461	
DBCC	HNGS Barite Constant Correction Flag	NONE	
DFD	Drilling Fluid Density	1.07	G/C3
GCF1_START	HNGS Detector 1 GCF Constant	1	
GCF2_START	HNGS Detector 2 GCF Constant	1	
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	-0.00143068	
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	1.07972e-029	
MARQ_START	HNGS Marquardt Start-up Mode	INTERNAL	
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	17.94	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.986623	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	18.0888	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.979243	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	0.000217619	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.46857	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.969393	

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 25-Nov-2001 15:29

OP System Version: 9C2-303

MCM

DIT-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		

Output DLIS Files

DEFAULT	PI_LDL_APS_HNGS_004LUP	FN:5	PRODUCER	25-Nov-2001 15:29
REDUCE	PI_LDL_APS_HNGS_004LUP	FN:6	PRODUCER	25-Nov-2001 15:29

Output DLIS Files

DEFAULT	PI_LDL_APS_HNGS_005LUP	FN:7	PRODUCER	25-Nov-2001 16:35	5328.7 M	5140.3 M
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OP System Version: 9C2-303

MCM

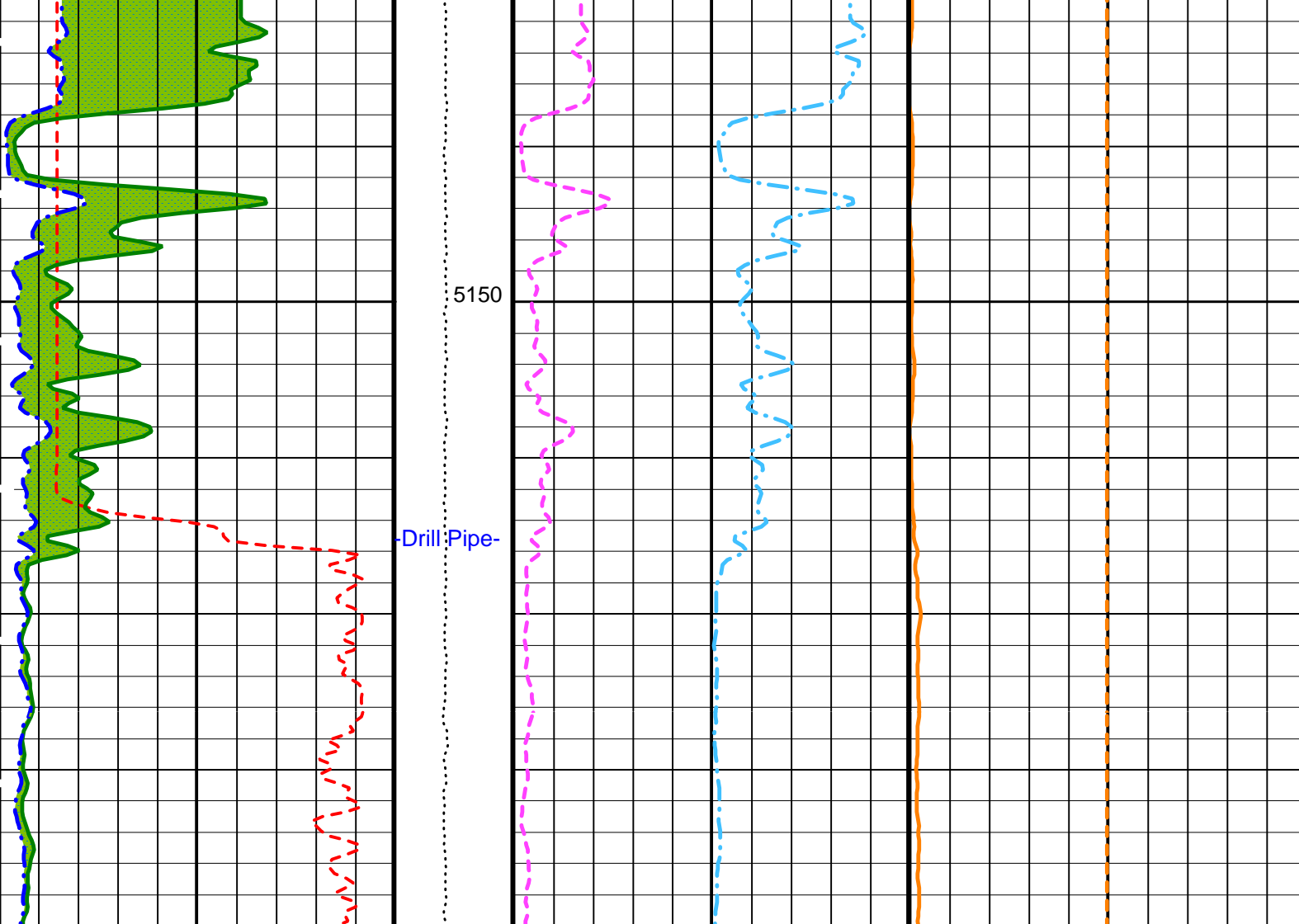
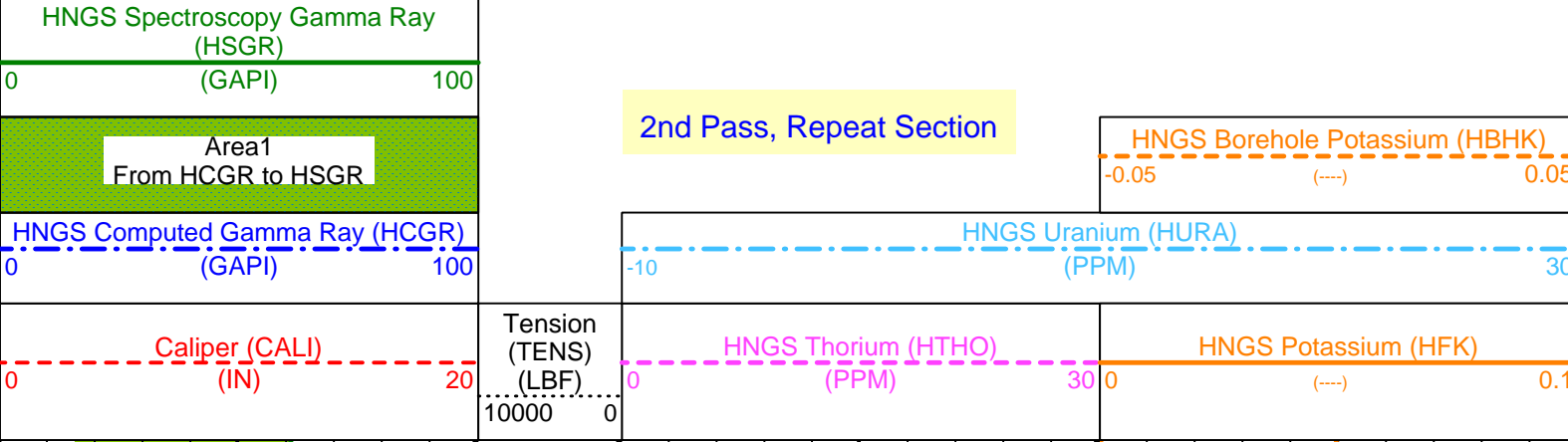
DIT-E	9C2-303	HLDT-A	9C2-303
DTA-A	9C2-303	NPLC-B	9C2-303
APS-BA	9C2-303	HNGS-BA	9C2-303
DTC-H	9C2-303		

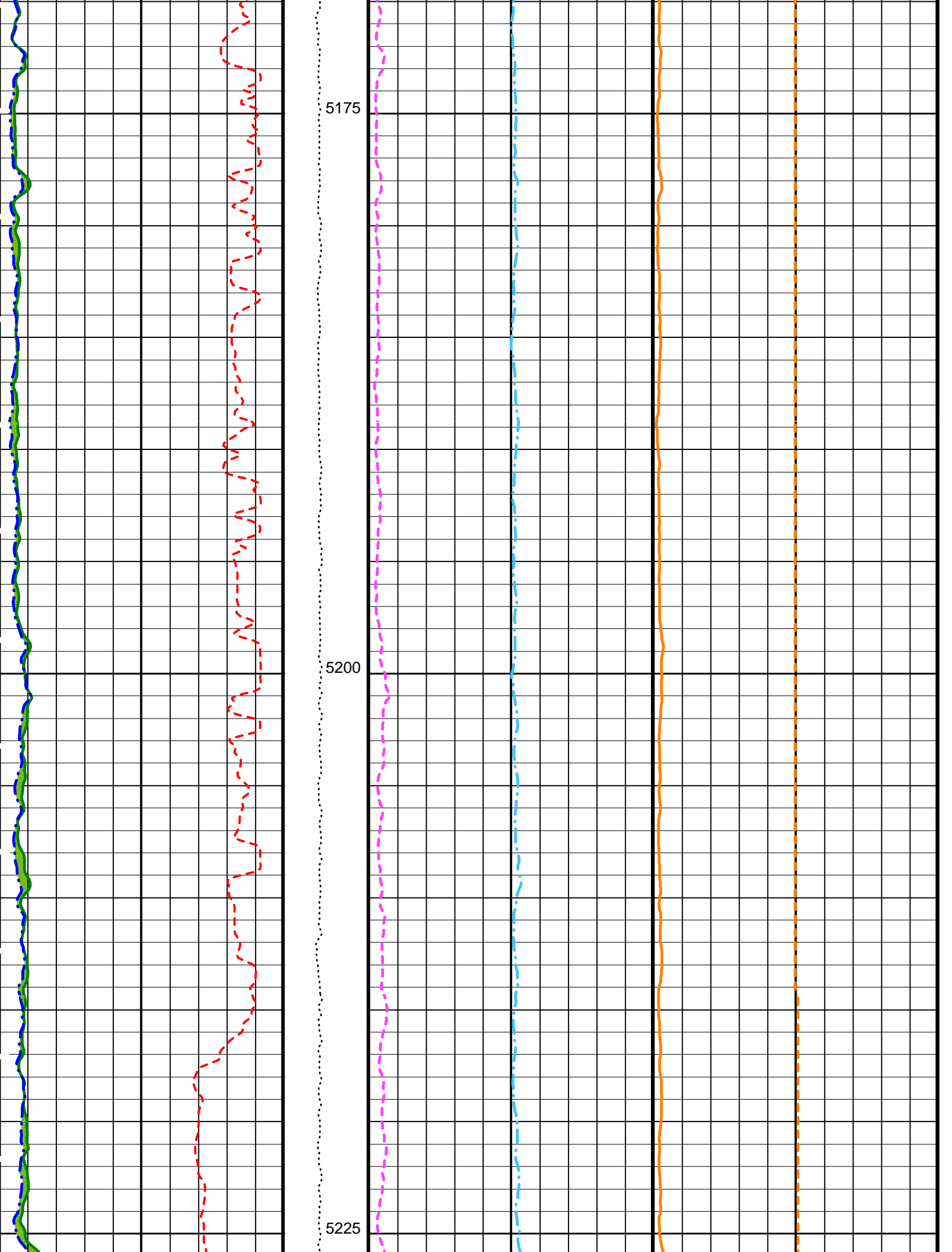
Changed Parameter Summary

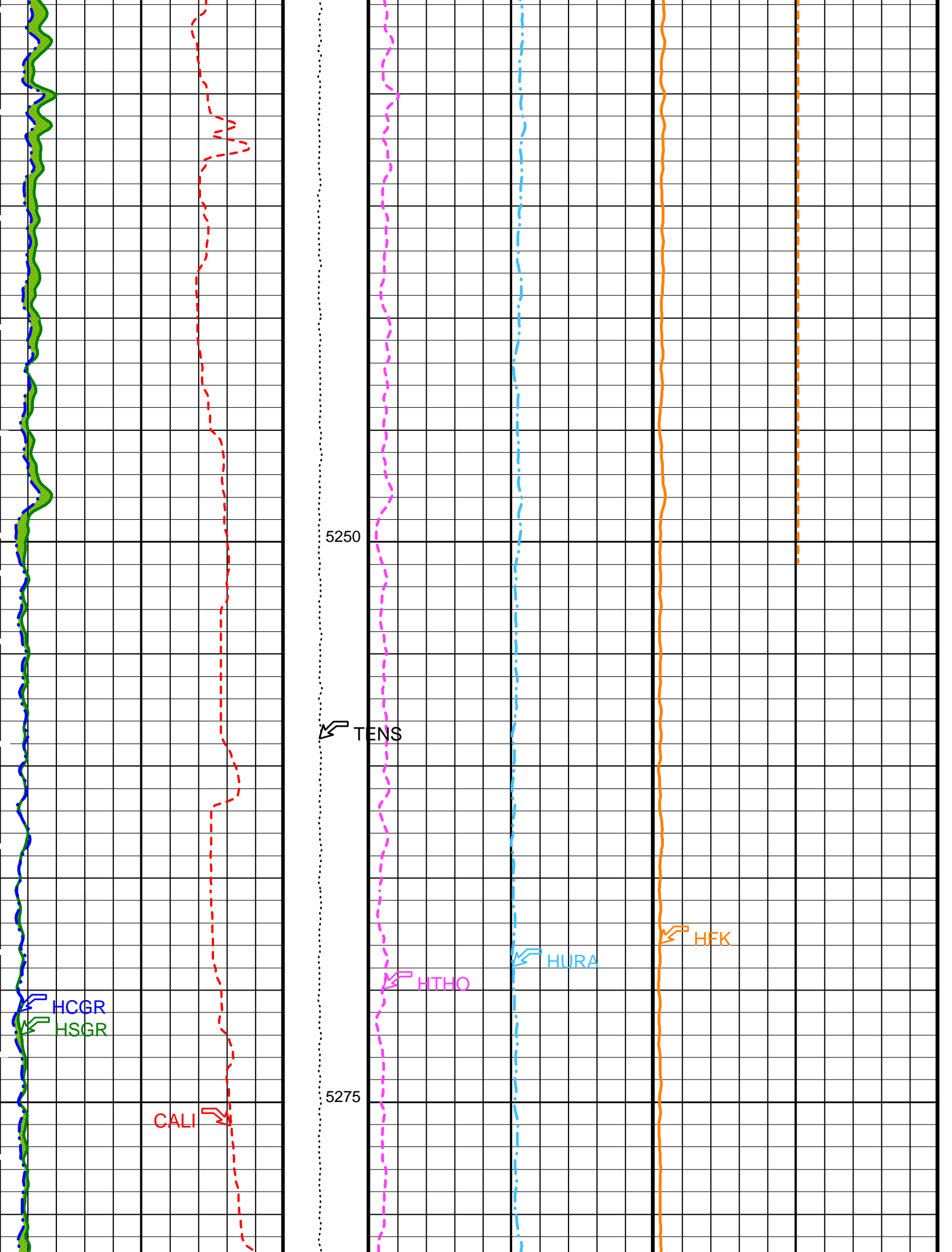
DLIS Name	New Value	Previous Value	Depth & Time
GCSE	BS CALI	CALI BS	5304.1 16:48:00 5322.9 16:51:32

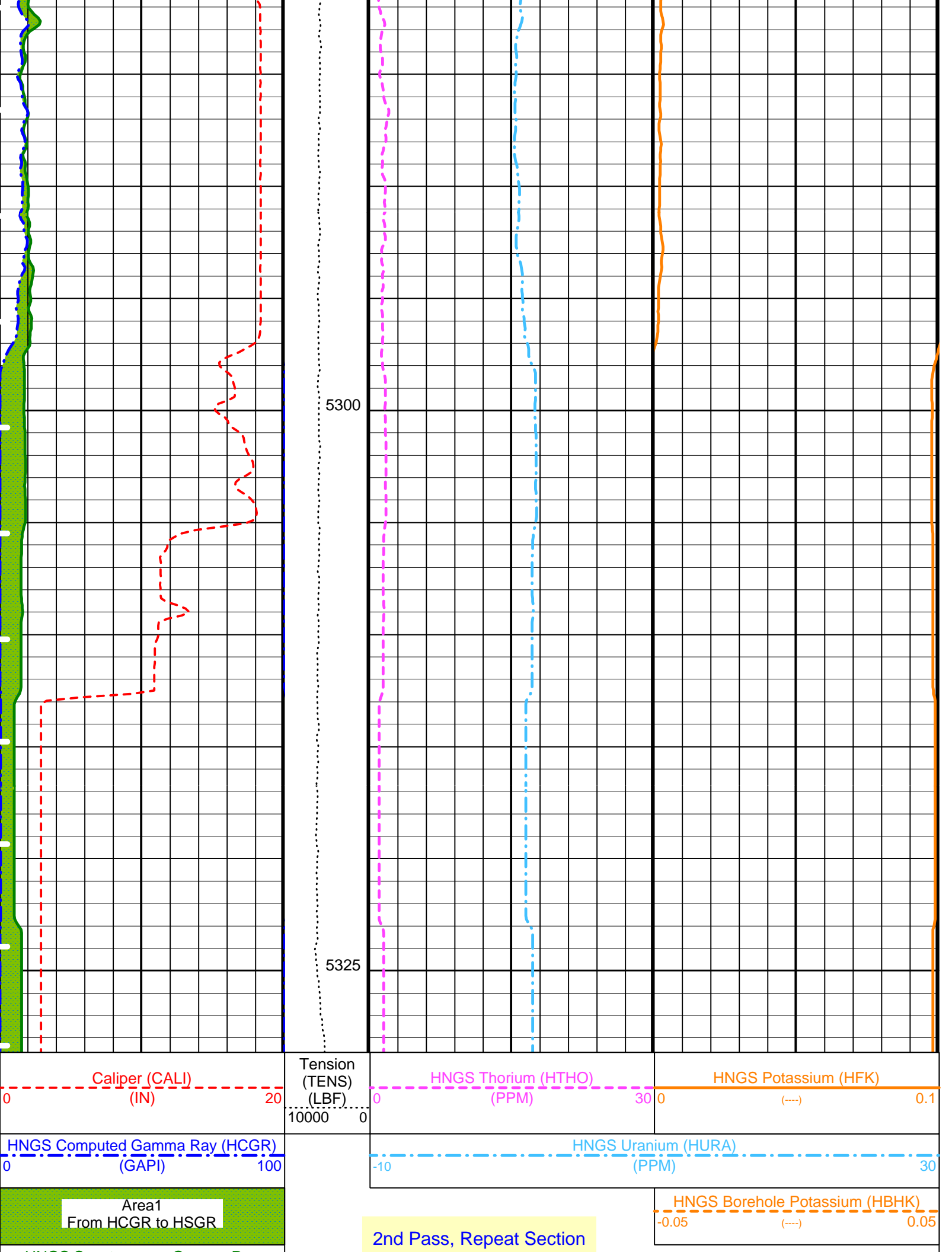
PIP SUMMARY

Time Mark Every 60 S









5300

5325

Caliper (CALI)
(IN)

Tension
(TENS)
(LBF)

HNGS Thorium (HTHO)
(PPM)

HNGS Potassium (HFK)
(%)

HNGS Computed Gamma Ray (HCGR)
(GAPI)

HNGS Uranium (HURA)
(PPM)

Area1
From HCGR to HSGR

2nd Pass, Repeat Section

HNGS Borehole Potassium (HBHK)
(%)

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	11.438	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
D1PR	HNGS Detector 1 Calibration Thorium Peak Resolution	7.94455	%
D1TC	HNGS Detector 1 Calibration Temperature	31.7278	DEGC
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	210.396	
D2PR	HNGS Detector 2 Calibration Thorium Peak Resolution	7.23028	%
D2TC	HNGS Detector 2 Calibration Temperature	30.9207	DEGC
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	209.461	
DBCC	HNGS Barite Constant Correction Flag	NONE	
DFD	Drilling Fluid Density	1.07	G/C3
GCF1_START	HNGS Detector 1 GCF Constant	1	
GCF2_START	HNGS Detector 2 GCF Constant	1	
GCSE	Generalized Caliper Selection	CALI	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00477923	
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	1.5715e-031	
MARQ_START	HNGS Marquardt Start-up Mode	INTERNAL	
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	17.94	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.986623	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	18.0888	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.979243	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	0.000449435	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.26775	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.976609	

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 25-Nov-2001 16:35

OP System Version: 9C2-303
MCM

DIT-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		

Output DLIS Files

DEFAULT	PI_LDL_APS_HNGS_005LUP	FN:7	PRODUCER	25-Nov-2001 16:35
REDUCE	PI_LDL_APS_HNGS_005LUP	FN:8	PRODUCER	25-Nov-2001 16:35

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Hostile Environment Litho Density - A Wellsite Calibration - Background Measurement							
Master: Calibration out of date	15-Aug-2001 10:07	Before: 9-Nov-2001 3:27	After: Calibration not done				
LSW1 Background	100.0	89.07	89.07	N/A	N/A	0.03000	CPS
LSW2 Background	105.0	94.00	91.57	N/A	N/A	0.03000	CPS
LSW3 Background	210.0	182.5	178.1	N/A	N/A	0.03000	CPS
LSW4 Background	290.0	241.3	239.4	N/A	N/A	0.03000	CPS
LSW5 Background	610.0	530.0	528.2	N/A	N/A	0.03000	CPS
SSW1 Background	100.0	86.93	86.14	N/A	N/A	0.03000	CPS
SSW2 Background	200.0	169.9	168.4	N/A	N/A	0.03000	CPS
SSW3 Background	530.0	449.6	448.8	N/A	N/A	0.03000	CPS
SSW4 Background	280.0	236.6	238.4	N/A	N/A	0.03000	CPS
SSW5 Background	205.0	177.0	177.1	N/A	N/A	0.03000	CPS
Hostile Environment Litho Density - A Wellsite Calibration - Tool Quality Control Information High Voltage							
Master: Calibration out of date	15-Aug-2001 10:07	Before: 9-Nov-2001 3:27	After: Calibration not done				
LS Bkg. High Voltage	1134	1134	1131	N/A	N/A	N/A	V
SS Bkg. High Voltage	1180	1180	1178	N/A	N/A	N/A	V
Hostile Environment Litho Density - A Wellsite Calibration - Detectors Resolution From BKG Measurements							
Master: Calibration out of date	15-Aug-2001 10:07	Before: 9-Nov-2001 3:27	After: Calibration not done				
LS Background Resolution	1.000	1.029	1.047	N/A	N/A	N/A	
SS Background Resolution	1.000	0.9496	0.9487	N/A	N/A	N/A	
Hostile Environment Litho Density - A Wellsite Calibration - Caliper Calibration							
Before: 9-Nov-2001 3:19							
Caliper Small Ring	12.00	N/A	15.92	N/A	N/A	N/A	IN
Caliper Large Ring	18.25	N/A	23.86	N/A	N/A	N/A	IN
Accelerator-Porosity Tool Wellsite Calibration - Detector Background							
Master: Calibration out of date	5-Aug-2001 10:26	Before: 25-Nov-2001 14:51	After: 25-Nov-2001 20:36				
Near Det Bkg Cntrate	30.00	31.20	32.35	32.50	0.1516	N/A	CPS
Far Det Bkg Cntrate	30.00	34.55	32.27	34.39	2.121	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	30.79	28.53	28.71	0.1856	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	29.57	30.27	31.73	1.461	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	31.99	32.88	33.79	0.9063	N/A	CPS
Accelerator-Porosity Tool Wellsite Calibration - Calibration Ratios							
Master: Calibration out of date	5-Aug-2001 10:26						
Near/Far Calibration Ratio	0.9250	0.9005	N/A	N/A	N/A	N/A	
Near/Array Calibration Ratio	1.030	1.063	N/A	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check							
Master: 9-Nov-2001 19:27	Before: 9-Nov-2001 19:46						
Na 511 Peak Loc	40.00	40.57	40.58	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.90	17.01	N/A	N/A	2.000	%
High Voltage	1150	1100	1100	N/A	N/A	30.00	V
Na 1785 Peak Loc	142.6	145.1	145.5	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	10.15	10.15	N/A	N/A	2.000	%
Temperature	15.50	31.73	31.73	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	17.94	17.88	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check							
Master: 9-Nov-2001 19:27	Before: 9-Nov-2001 19:46						
Na 511 Peak Loc	40.00	40.70	40.97	N/A	N/A	1.000	
Na 511 Peak Res	15.50	15.14	15.10	N/A	N/A	2.000	%
High Voltage	1150	1188	1189	N/A	N/A	30.00	V
Na 1785 Peak Loc	142.6	144.5	145.9	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	7.999	7.706	N/A	N/A	2.000	%
Temperature	15.50	30.93	31.02	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	18.09	18.05	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2							
Master: 9-Nov-2001 19:27	Before: 9-Nov-2001 19:46						
Coincidence Count Rate Ratio	1.000	0.9912	0.9922	N/A	N/A	0.05000	
Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration							
Master: 9-Nov-2001 19:20							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	210.4	--	--	--	--	
Th Peak Res	7.000	7.945	--	--	--	--	%
Background Count Rate	142.5	15.50	--	--	--	--	CPS
Gain Ratio	1.000	0.9866	--	--	--	--	
Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration							
Master: 9-Nov-2001 19:20							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	209.5	--	--	--	--	
Th Peak Res	7.000	7.220	--	--	--	--	%

1st Peak Res	7.000	7.250	--	--	--	--	%
Background Count Rate	142.5	17.01	--	--	--	--	CPS
Gain Ratio	1.000	0.9792	--	--	--	--	

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 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

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

Pl	N	511	Peak	Y	Pl	N	511	Peak	Y	Pl	N	511	Peak	Y	Pl	N	511	Peak	Y
----	---	-----	------	---	----	---	-----	------	---	----	---	-----	------	---	----	---	-----	------	---

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value	
Master		40.57	Master		16.90	Master		1100	
Before		40.58	Before		17.01	Before		1100	
	37.50 (Minimum)	40.00 (Nominal)	42.50 (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		145.1	Master		10.15	Master		31.73	
Before		145.5	Before		10.15	Before		31.73	
	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		17.94							
Before		17.88							
	15.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)						
Master: 9-Nov-2001 19:27			Before: 9-Nov-2001 19:46						

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		40.70	Master		15.14	Master		1188	
Before		40.97	Before		15.10	Before		1189	
	37.50 (Minimum)	40.00 (Nominal)	42.50 (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		144.5	Master		7.999	Master		30.93	
Before		145.9	Before		7.706	Before		31.02	
	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		18.09							
Before		18.05							
	15.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)						
Master: 9-Nov-2001 19:27			Before: 9-Nov-2001 19:46						

Hostile Natural Gamma Ray Sonde Wellsite Calibration			
Ratio Of Detector 1 To Detector 2			
Phase	Coincidence Count Rate Ratio	Value	
Master		0.9912	
Before		0.9922	
	0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: 9-Nov-2001 19:27			
Before: 9-Nov-2001 19:46			

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		210.4	Master		7.945	
	38.00 (Minimum)	40.00 (Nominal)	42.00 (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	See Remarks			
Master	EXCEEDS LIMIT	15.50	Master		0.9866				
	20.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)	1.000 (Nominal)				1.060 (Maximum)
Master: 9-Nov-2001 19:20									

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		209.5	Master		7.230

38.00 (Minimum)	40.00 (Nominal)	42.00 (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	EXCEEDS LIMIT		17.01	Master		0.9792		
20.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)	See Remarks		

Master: 9-Nov-2001 19:20

COMPANY:	Lamont Doherty	BOTTOM LOG INTERVAL	5295 m
WELL:	ODP Leg 199, Site 1219 A (PAT-17C)	SCHLUMBERGER DEPTH	5326 m
FIELD:		DEPTH DRILLER	5325 m
Ocean:	Pacific	KELLY BUSHING	11.3 m
		DRILL FLOOR	11 m
		GROUND LEVEL	-5075 m



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Natural Gamma Ray