

Schlumberger

Company: **JOGMEC**

Well: **AURORA/JOGMEC/NRCAN MALLIK 2L-38**

Field: **MALLIK**

Province: **NWT**

Well: **AURORA/JOGMEC/NRCAN MALLIK 2L-38**
Field: **MALLIK**
Province: **NWT**

Province: NWT									
Field: MALLIK									
Location: GRID: 69-30-134-30									
Well: AURORA/JOGMEC/NRCAN MALLIK 2L-38									
Company: JOGMEC									
<div>3D ARRAY INDUCTION- SP LOG</div> <table border="1"> <tr> <th colspan="2">LOCATION</th> </tr> <tr> <td> GRID: 69-30-134-30 UWID: 302 L38 69-30-134-301 </td> <td> Elev.: K.B. 10.55 m G.L. 1 m D.F. 10.25 m </td> </tr> <tr> <td> Permanent Datum: _____ Log Measured From: _____ Drilling Measured From: _____ </td> <td> GROUND LEVEL _____ KELLY BUSHING _____ KELLY BUSHING _____ Elev.: 1 m _____ 9.6 m above Perm. Datum </td> </tr> <tr> <td> API Serial No. 1163 </td> <td></td> </tr> </table>		LOCATION		GRID: 69-30-134-30 UWID: 302 L38 69-30-134-301	Elev.: K.B. 10.55 m G.L. 1 m D.F. 10.25 m	Permanent Datum: _____ Log Measured From: _____ Drilling Measured From: _____	GROUND LEVEL _____ KELLY BUSHING _____ KELLY BUSHING _____ Elev.: 1 m _____ 9.6 m above Perm. Datum	API Serial No. 1163	
LOCATION									
GRID: 69-30-134-30 UWID: 302 L38 69-30-134-301	Elev.: K.B. 10.55 m G.L. 1 m D.F. 10.25 m								
Permanent Datum: _____ Log Measured From: _____ Drilling Measured From: _____	GROUND LEVEL _____ KELLY BUSHING _____ KELLY BUSHING _____ Elev.: 1 m _____ 9.6 m above Perm. Datum								
API Serial No. 1163									

Logging Date	6-Mar-2007					
Run Number	1P--RUN ONE					
Depth Driller	1310 m					
Schlumberger Depth	1296 m					
Bottom Log Interval	1293.5 m					
Top Log Interval	680 m					
Casing Driller Size @ Depth	339,700 mm @ 677 m					
Casing Schlumberger	680 m					
Bit Size	361.950 mm					
Type Fluid In Hole	KCL POLYMER					
Density	Viscosity		1115 kg/m3			58 s
Fluid Loss	PH		5 cm3			8.7
Source Of Sample	FLOWLINE					
RM @ Measured Temperature			@	20 degC		
RMF @ Measured Temperature			@	19 degC		
RMC @ Measured Temperature			@	20 degC		
Source RMF	RMC		PRESS			
RM @ MRT	RMF @ MRT		0.146 @ 9	0.160 @ 9		
Maximum Recorded Temperatures	9 degC					
Circulation Stopped	Time		5-Mar-2007 16:00			
Logger On Bottom	Time		6-Mar-2007 11:15			
Unit Number	Location		1803 NISKU, AB			
Recorded By	LANNY LAROCHE					
Witnessed By	TOKUJIRO TAKAYAMA					

OTHER SERVICES1	OTHER SERVICES2
OS1: 2.APS-PEX-CMR-ECS	OS1:
OS2: HNGS	OS2:
OS3: 3.FMI-MSIP-EMS	OS3:
OS4: 4.MRX	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
ZAIT LOGGED WITH 2.5in STANDOFF AND ECCENTERED WITH PPC	
APS HAS LARGE HOLE KIT INSTALLED	
HRLT CENTERED WITH LCME'S	
PPC 1 HAS LARGE HOLE KIT INSTALLED AND SET TO ALL POWERED	
PPC 2 HAS LARGE HOLE KIT INSTALLED AND SET TO ECCENTER	
EMS HAS LARGE HOLE KIT INSTALLED	
BS = 9.875" FROM TD-1296M	

BS = 14.25" FROM 1296-SC

REPEAT PERFORMED OVER 850-1150M

SLB ONLY LOGGED DOWN TO 1296M

APS MINITRON PRESSURE READING 4PSI ,SO DID NOT POWER UP MINITRON.

WILL ADD APS BACKUP TO RUN 2

ZAIT ARRAY INDUCTION PLUS VOLT AGE IN HOUSTON MASTERCAL

AS WELL AS MALLIK BEFORE CALIBRAION FLAGGED

RIG: AKITA 62

CREW: JAMES MACDONALD / MARK KIMBALL / MIKE KLOC

RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: 14C0-302 FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1			RUN 2		
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SURFACE EQUIPMENT

SFT-281 12673
SFT-178 53
WITM (EDTS)-A

DOWNHOLE EQUIPMENT

LEH-QT

37.08

AH-169 2779

Mud Tempe

EDTC-B 8265

EDTH-B 8253

EDTC-B

PPC1-B 8148

PPC1-B

PPC_CAL_40EXT

AH-255(+45D) 8053

AH-SFT

AH-SFT

GPIT-C 1943

GPIC-C

AH-SFT

AH-SFT

EMS-B 8035

EMA-B 8018

RES

EMC-B 8035

ECH-KH 8045

EMM-B 8102

HRLT-B

HRUH-B 983

HRUC-B 980

HRLS-B 973

HRLH-B 972

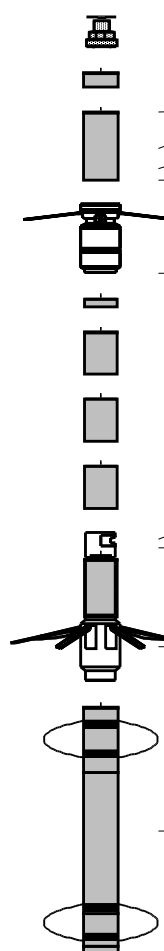
HRLC-B 976

AH-270 1718

AH-224

AH-184

AH-184



36.19

35.79

34.72

34.15

33.80

33.46

33.80

31.82

31.82

31.60

30.38

29.16

27.94

27.76

27.51

24.63

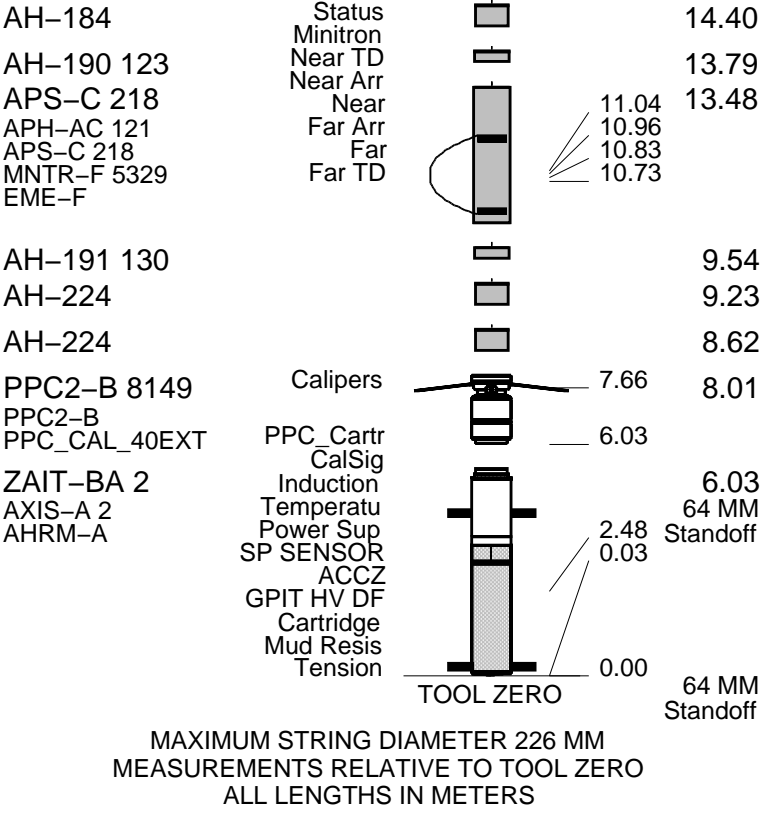
23.60

20.01

16.22

15.61

15.01



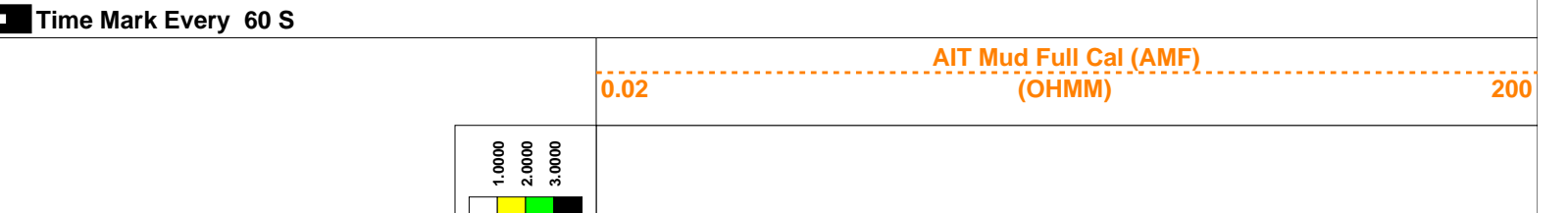
Schlumberger

MAIN PASS: PLATFORM EXPRESS
ARRAY INDUCTION

MAXIS Field Log

Company: JOGMEC			Well: AURORA/JOGMEC/NRCAN MALLIK 2L-38			
Input DLIS Files						
DEFAULT	AIT_CAL_APS_HRLA_070PUP	FN:78	PRODUCER	06-Mar-2007 12:43	1295.2 M	557.0 M
Output DLIS Files						
DEFAULT	AIT_CAL_APS_HRLA_085PUP	FN:98	PRODUCER	06-Mar-2007 14:16	1295.2 M	525.2 M
CLIENT_DATA_NO	AIT_CAL_APS_HRLA_085PUP	FN:99	PRODUCER	06-Mar-2007 14:16	1295.2 M	525.2 M
OP System Version: 14C0-302						
MCM						
ZAIT-BA	SPC-3254-ZAIT-B_t	PPC2-B	SKK-3060-PPCB_b			
APS-C	14C0-302	HRLT-B	14C0-302			
EMS-B	14C0-302	GPIT-C	14C0-302			
PPC1-B	SKK-3060-PPCB_b	EDTC-B	SKK-3248-EDTCB_b			

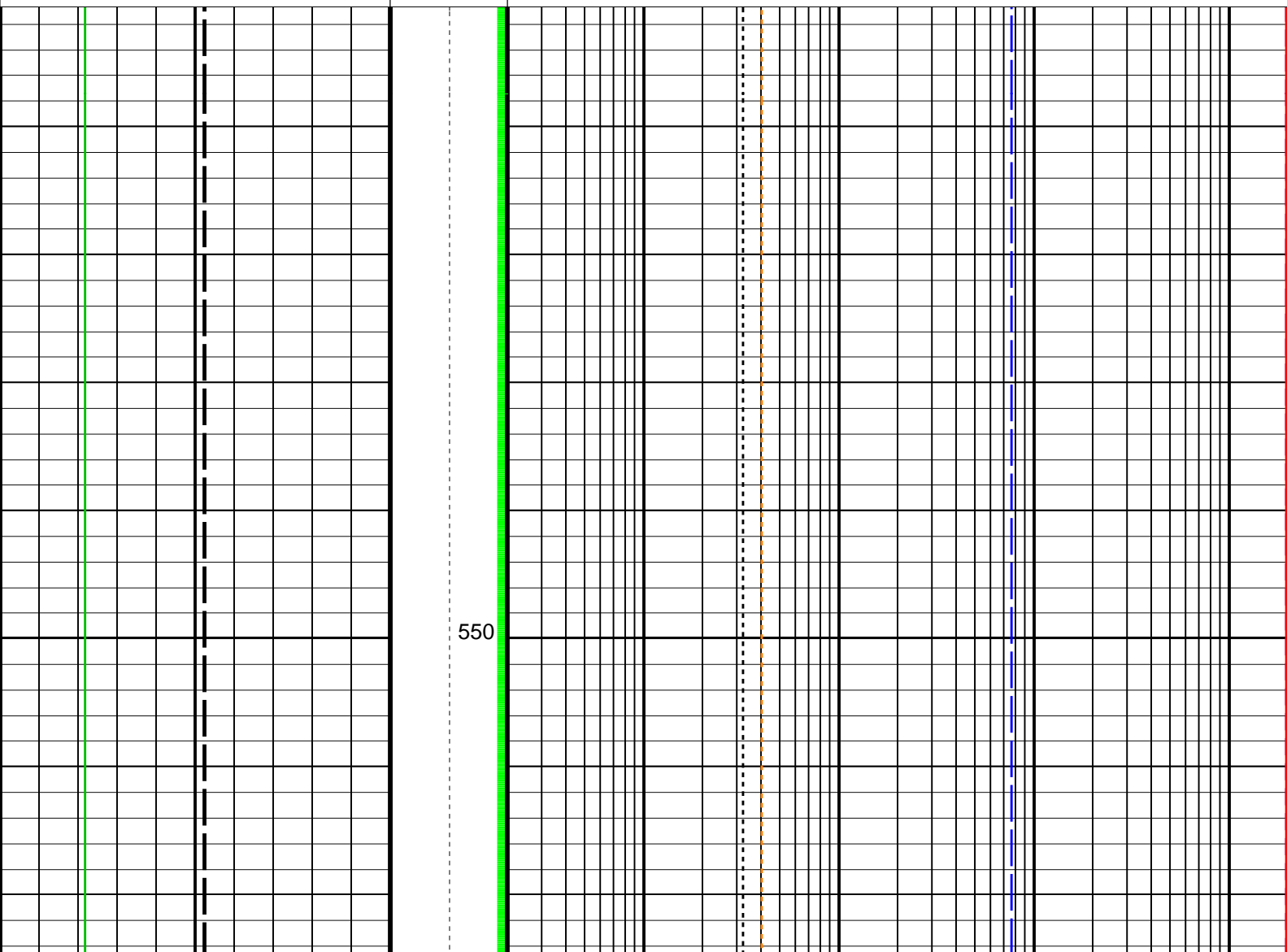
PIP SUMMARY

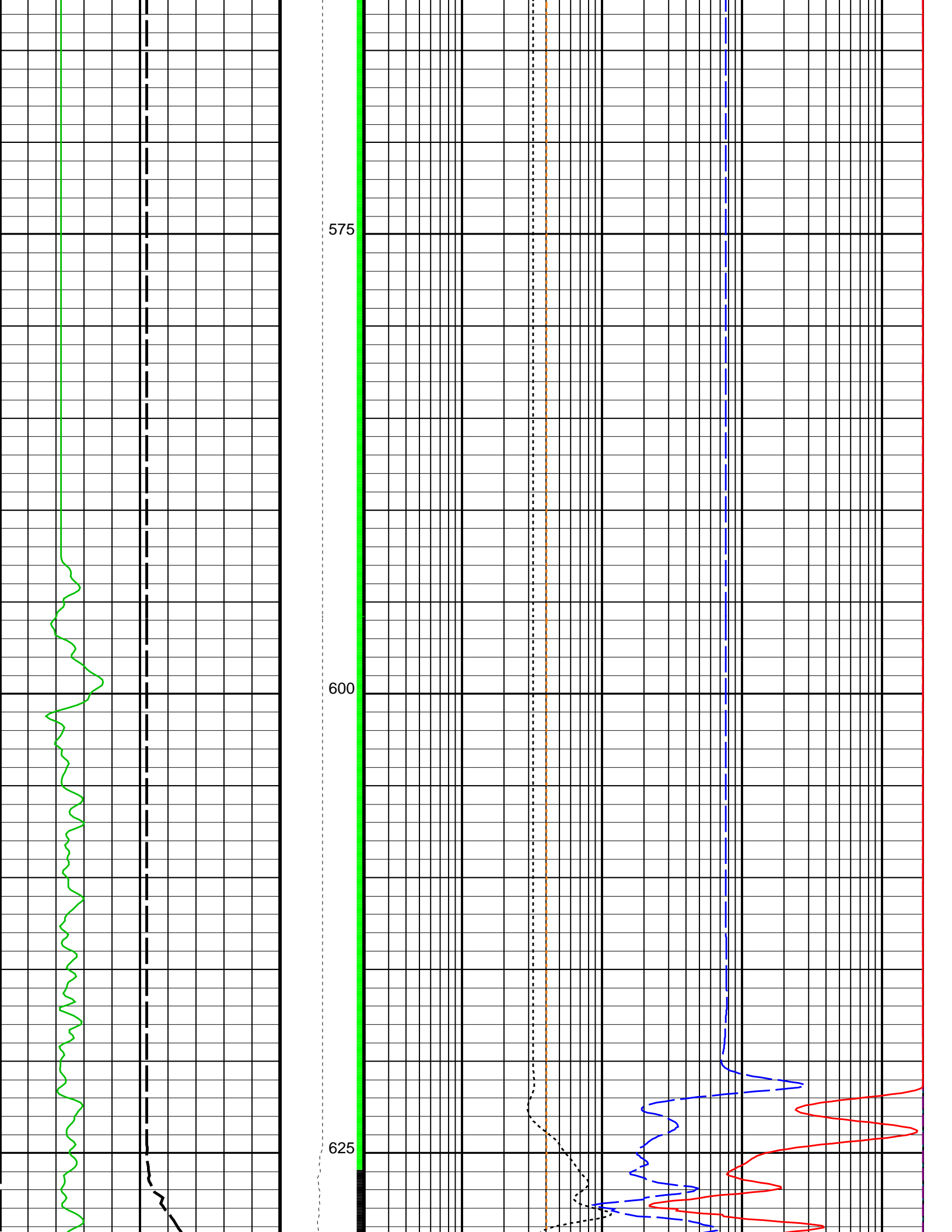


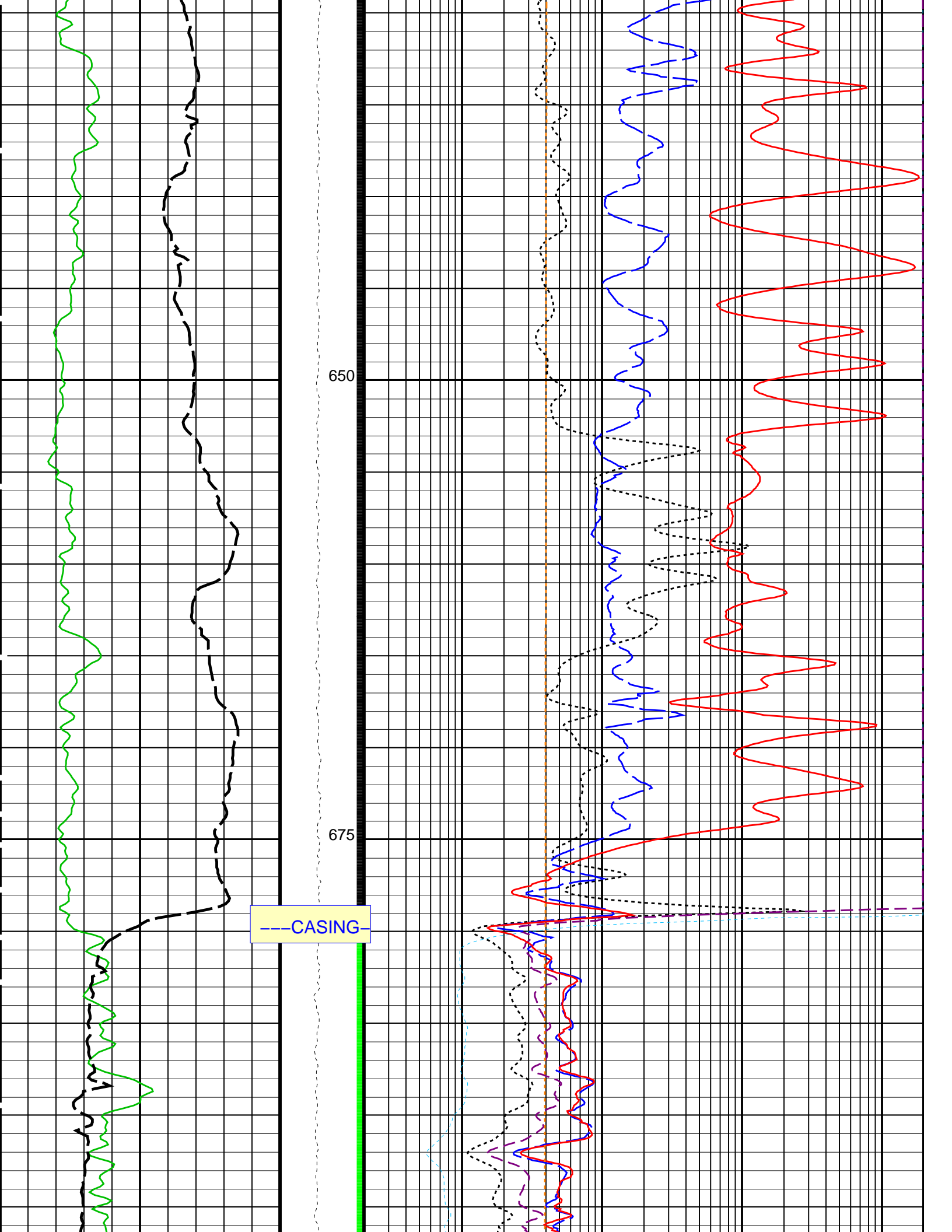
Tension
(TENS)
(N)

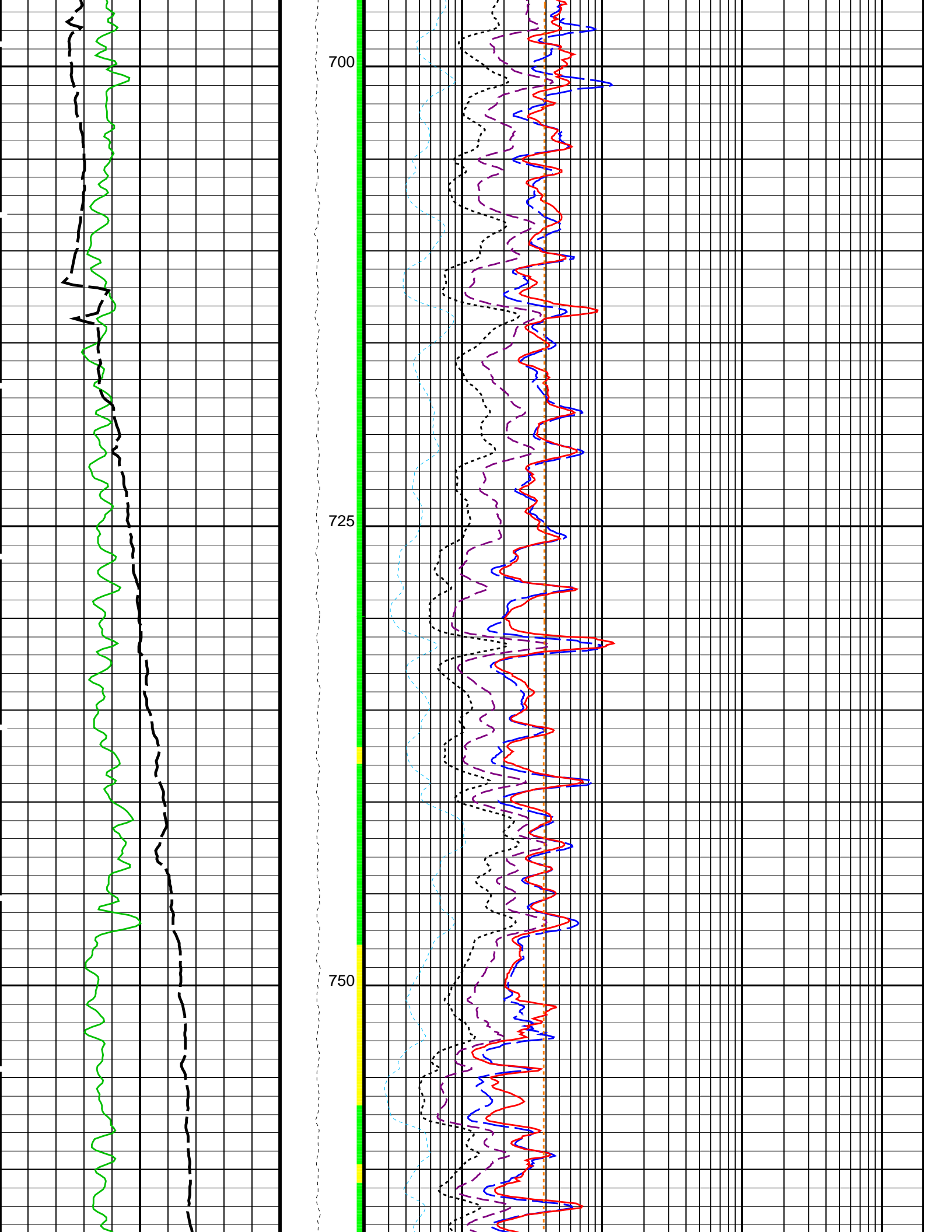
Gamma Ray (GR_EDTC)

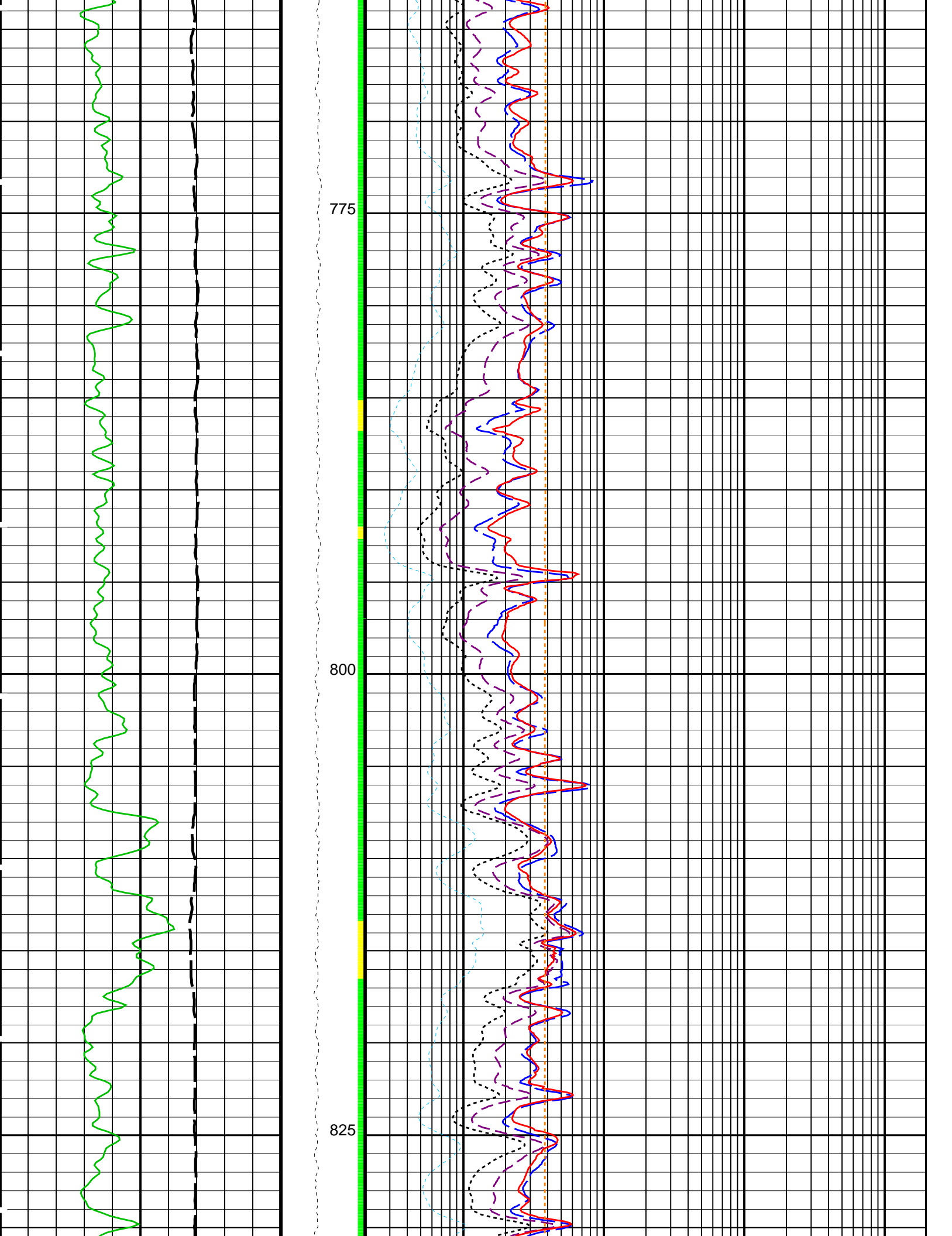
AIT 10 Inch Resistivity Environmentally Compensated Log (AE10)

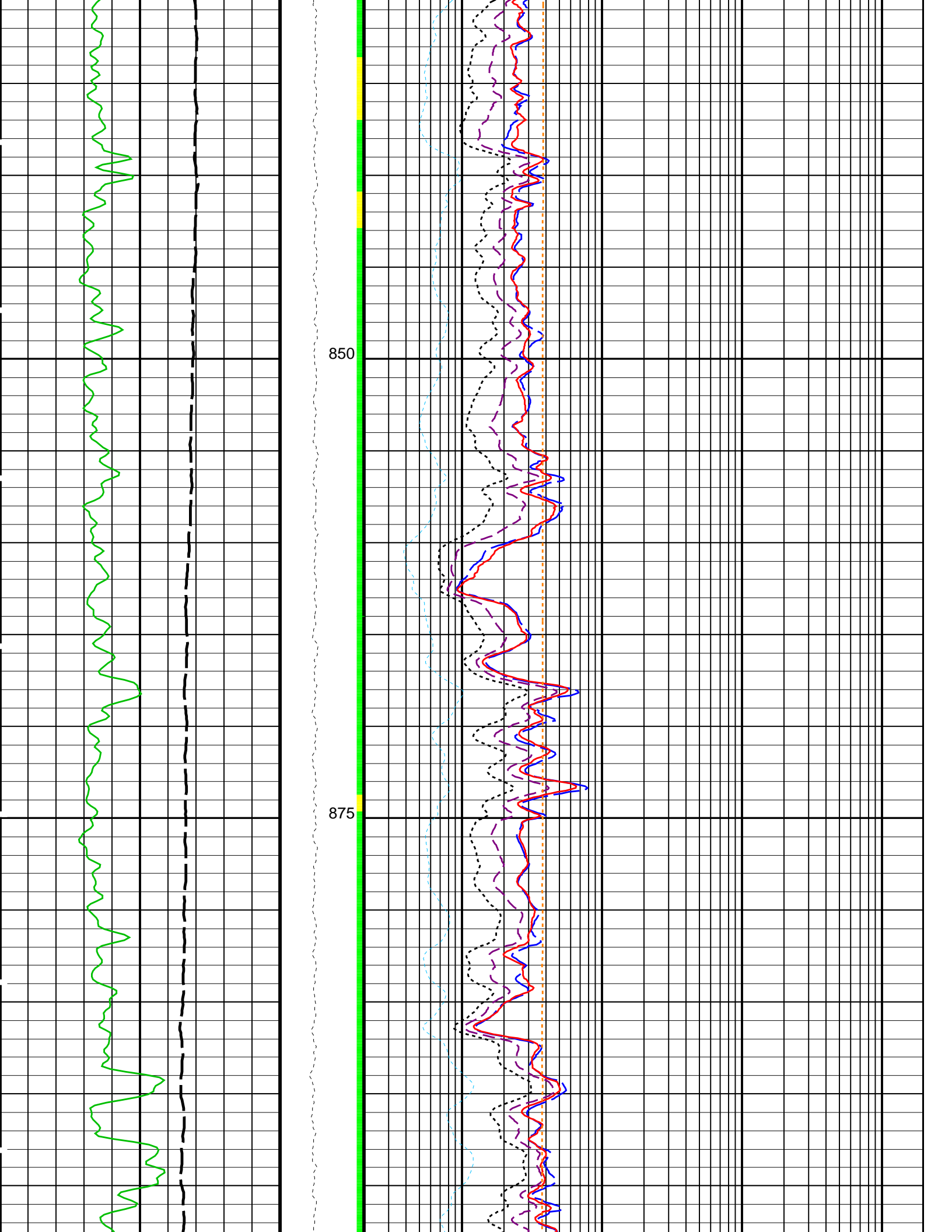


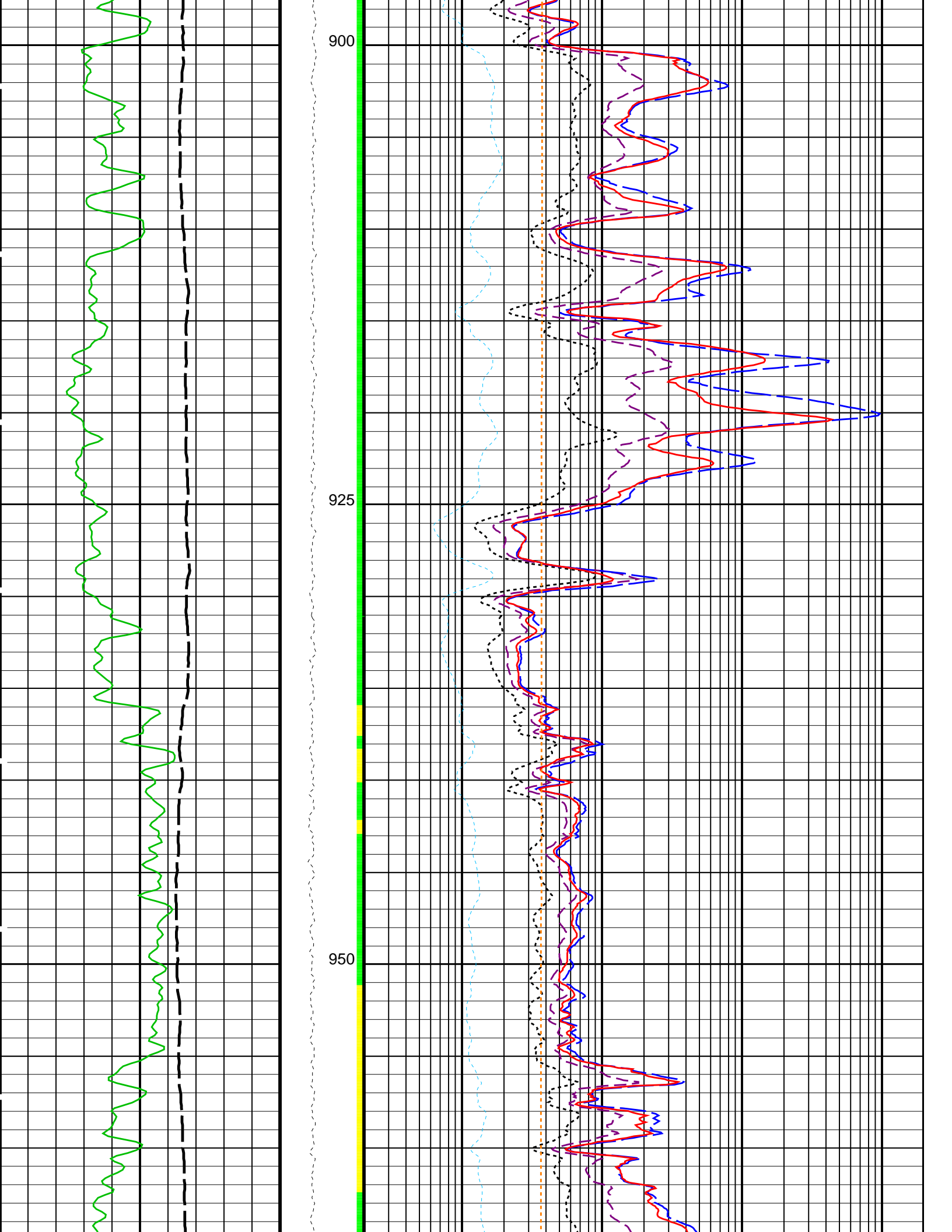


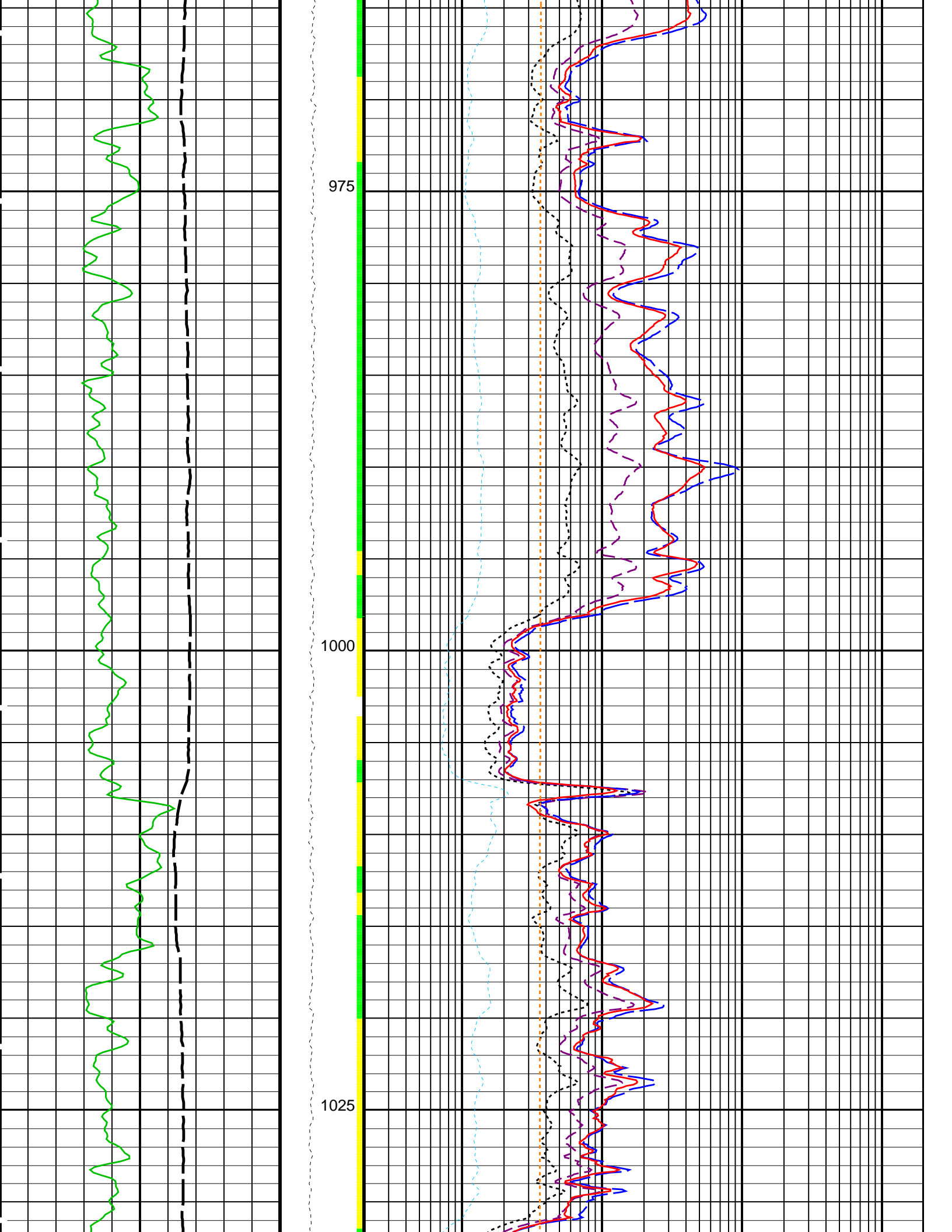


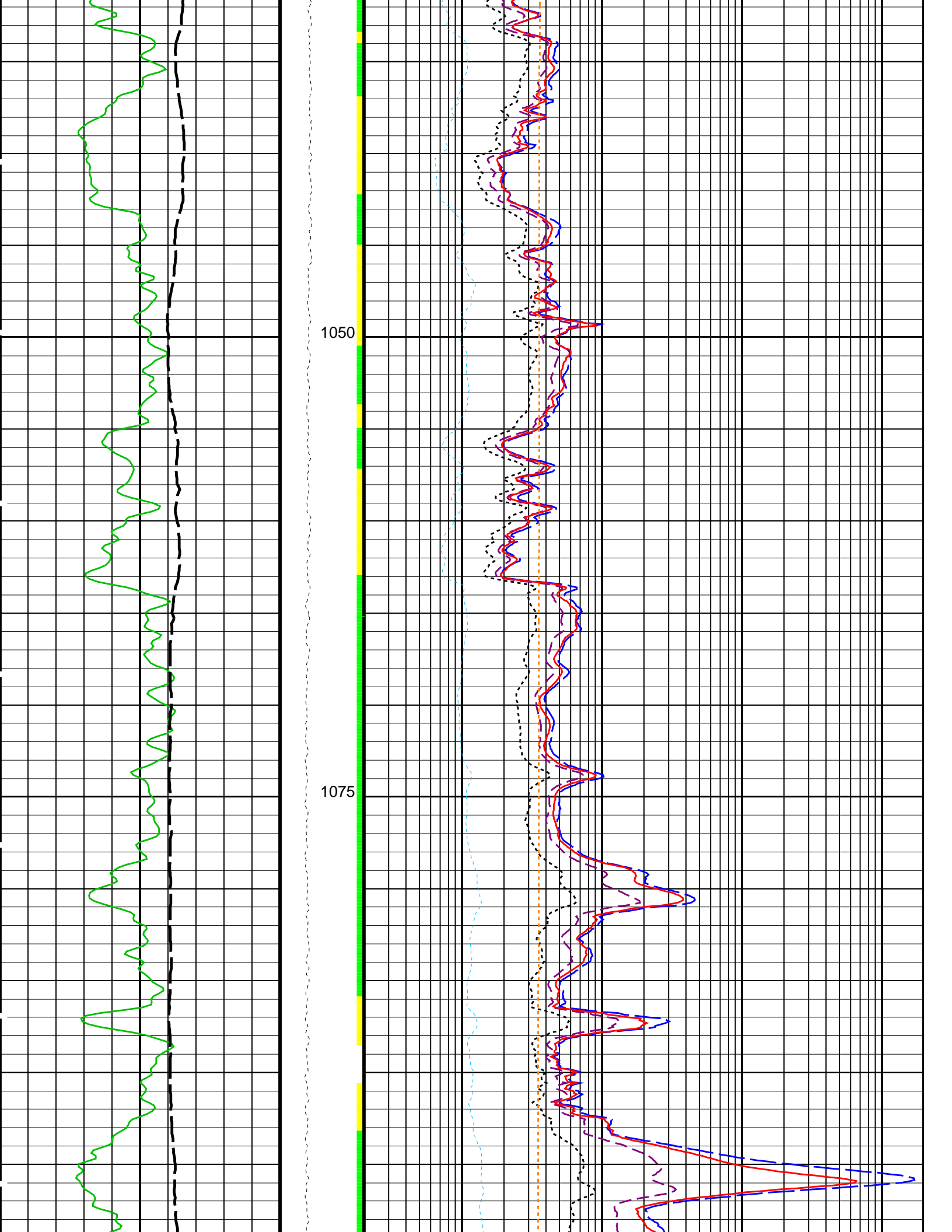


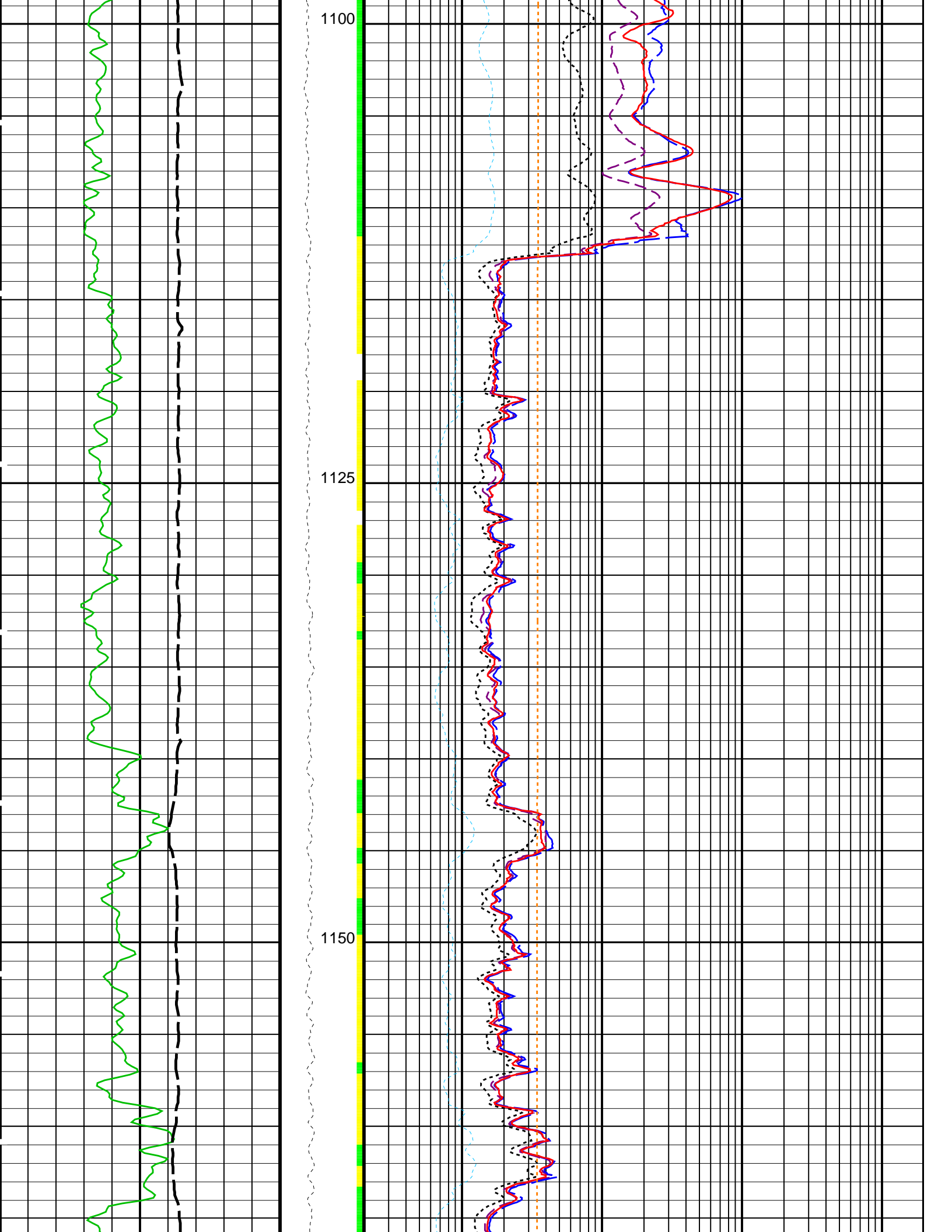


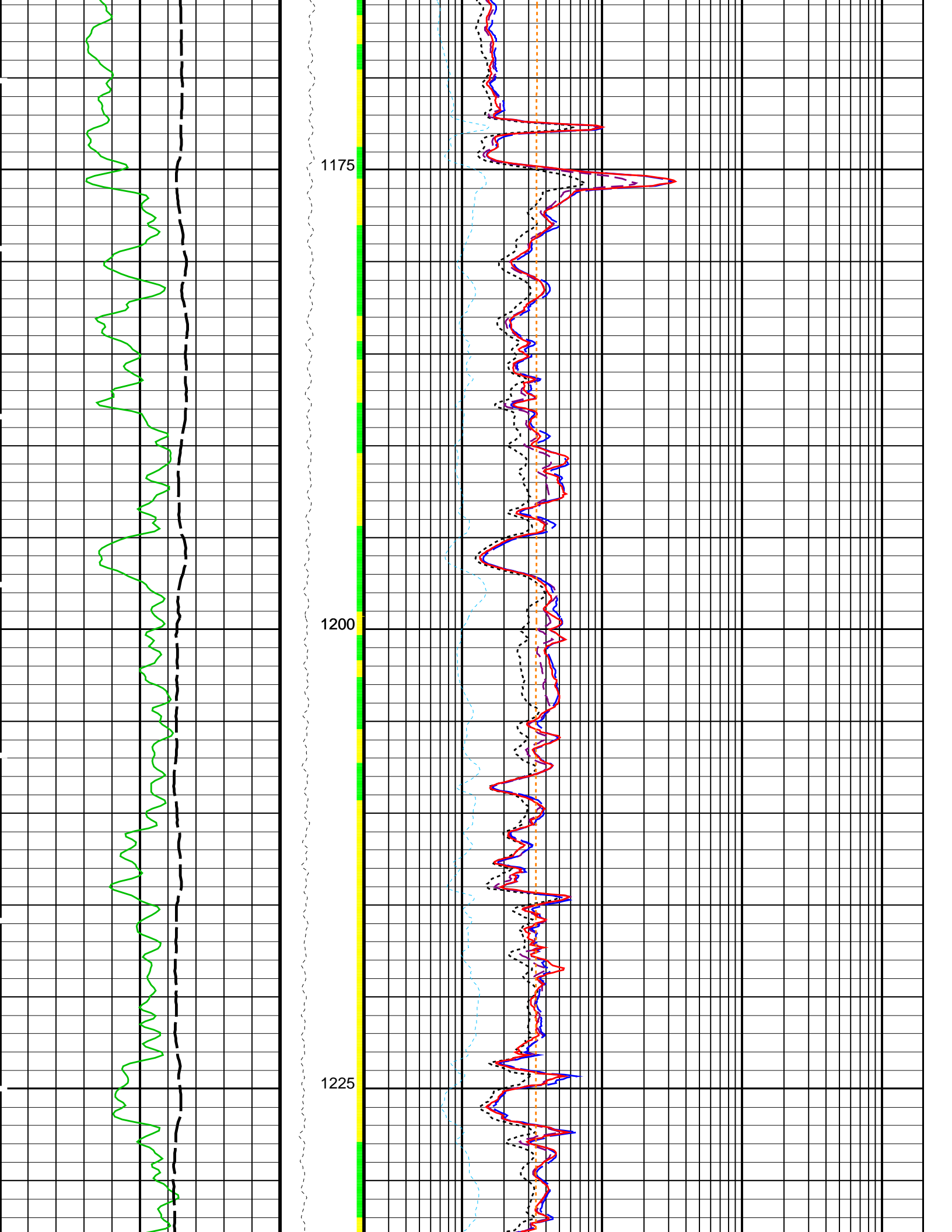


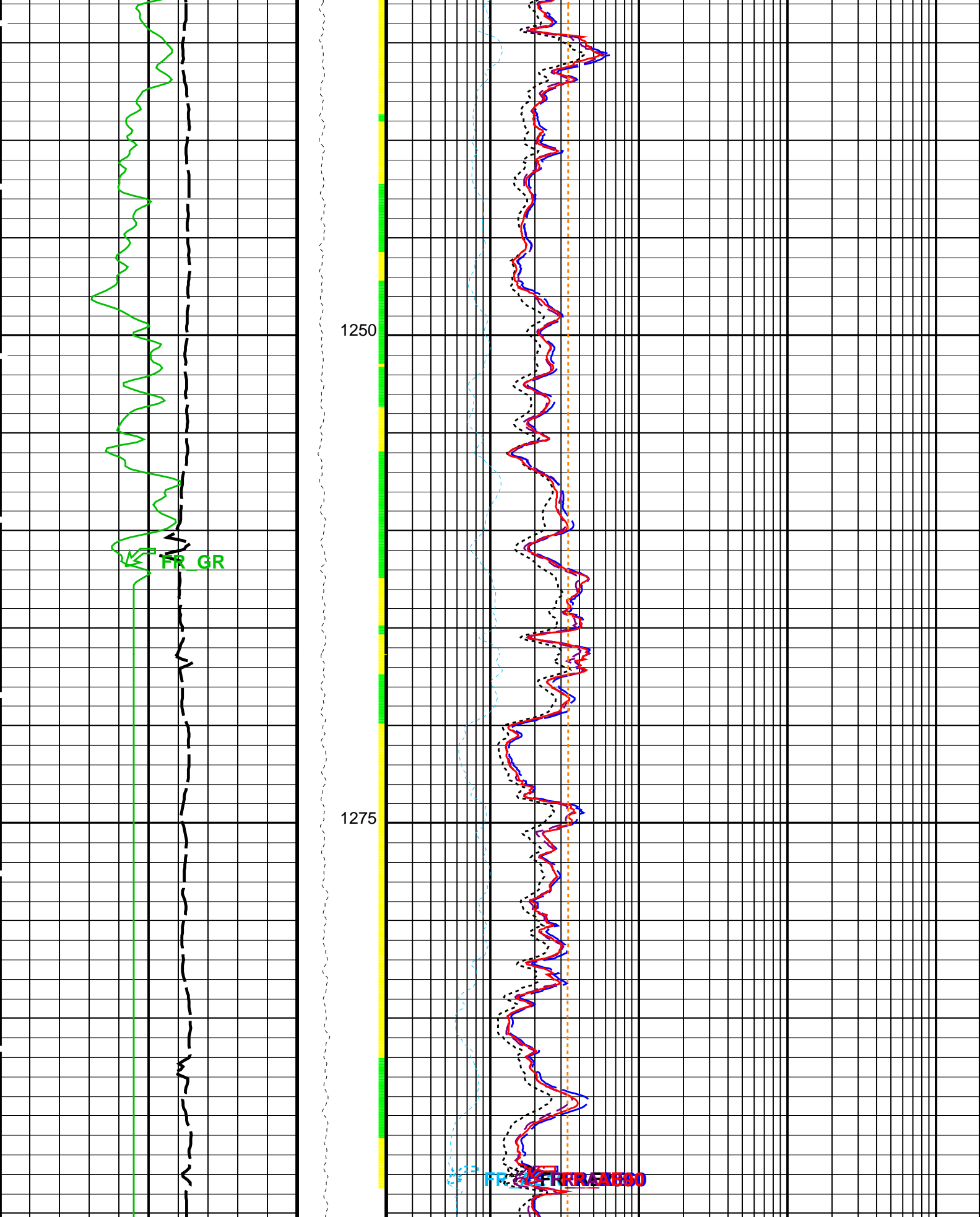












Gamma Ray (GR_EDTC) (GAPI)	Tension (TENS) (N)	AIT 10 Inch Resistivity Environmentally Compensated Log (AE10) (OHMM)
0	25000	0.2
150	0	2000

Parameters		
DLIS Name	Description	Value
ZAIT-BA: 3-D Array Induction Tool – ZAIT–		
ABLM	Array Induction Basic Logs Mode	6_One_Two_and_Four
ABLV	Array Induction Basic Logs Code Version Number	212
ACDE	Array Induction Casing Detection Enable	No
ACSED	Array Induction Casing Shoe Estimated Depth	-50000 FT
AFRSV	Array Induction Response Set Version for Four ft Resolution	40.70.24.20
AORSV	Array Induction Response Set Version for One ft Resolution	40.70.24.20
ARFV	Array Induction Radial Profiling Code Version Number	701
ARPV	Array Induction Radial Parametrization Code Version Number	232
ATRSV	Array Induction Response Set Version for Two ft Resolution	40.70.24.20
PUT	Down Hole Temperature Logging Induction	237 DEGE

BHT	Bottom Hole Temperature (used in calculations)	47.7	DEGF
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
GCSE	Generalized Caliper Selection	HD1_PPC2	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	ZAIT_RESIST	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	41	DEGF
SPNV	SP Next Value	0	MV
TRIBHM	3D Induction Borehole Correction Mode	1_ComputeStandoff	
TRIBHV	Array Induction Borehole Correction Code Version Number	167	
TRIRSV	3D Induction Response Set Version	00.10.24.00	
TRIIRT	3D Rotation Selector	NorTH	
TRISTA	3D Tool Standoff	2.5	IN
APS-C: Accelerator-Porosity Tool			
BHT	Bottom Hole Temperature (used in calculations)	47.7	DEGF
GCSE	Generalized Caliper Selection	HD1_PPC2	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	ZAIT_RESIST	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	41	DEGF
HRLT-B: High Resolution Laterolog Array - E			
BHT	Bottom Hole Temperature (used in calculations)	47.7	DEGF
GCSE	Generalized Caliper Selection	HD1_PPC2	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	ZAIT_RESIST	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	41	DEGF
EDTC-B: Enhanced DTS Cartridge			
BHT	Bottom Hole Temperature (used in calculations)	47.7	DEGF
GCSE	Generalized Caliper Selection	HD1_PPC2	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	ZAIT_RESIST	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	41	DEGF
STI: Stuck Tool Indicator			
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	1.524	M
TDD	Total Depth - Driller	1310.00	M
TDL	Total Depth - Logger	1296.00	M
System and Miscellaneous			
BS	Bit Size	361.950	MM
DFD	Drilling Fluid Density	1115.00	K/M3
DO	Depth Offset for Playback	0.0	M
DORL	Depth Offset for Repeat Analysis	0.0	M
MST	Mud Sample Temperature	19.70	DEGC
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	4298	FT

Format: ZAIT_Log Vertical Scale: 1:240 Graphics File Created: 06-Mar-2007 14:16

OP System Version: 14C0-302

MCM

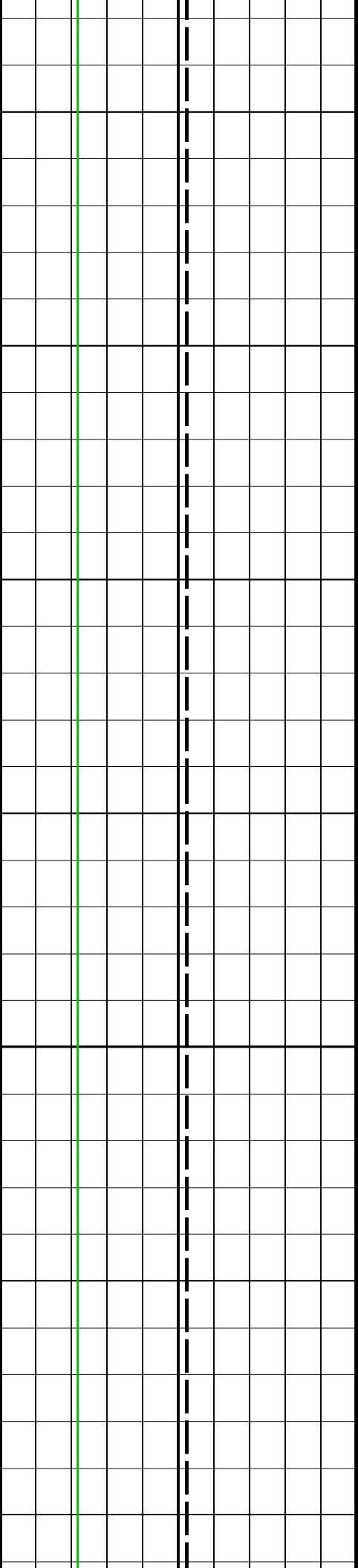
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APS-C	14C0-302	HRLT-B	14C0-302
EMS-B	14C0-302	GPIT-C	14C0-302
PPC1-B	SKK-3060-PPCB_b	EDTC-B	SKK-3248-EDTCB_b

Input DLIS Files

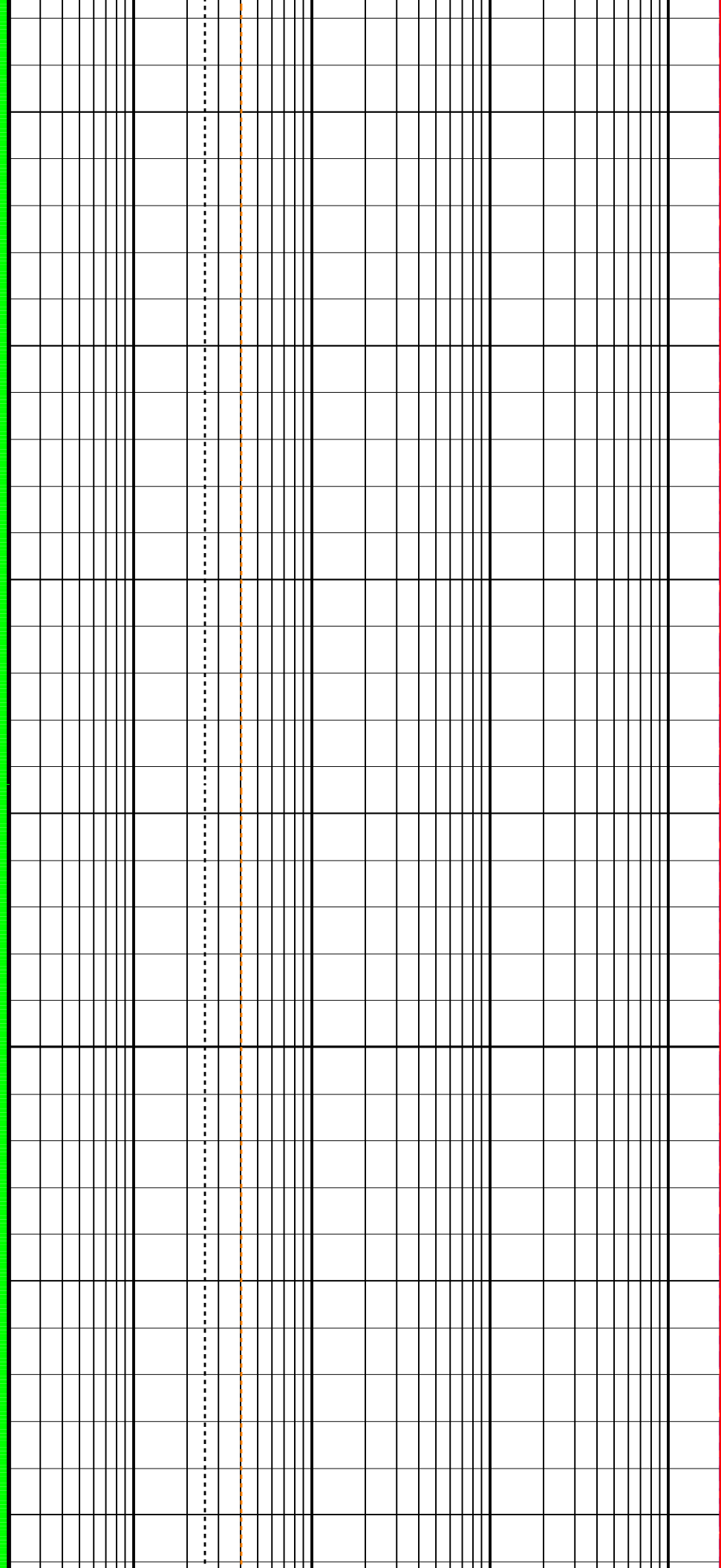
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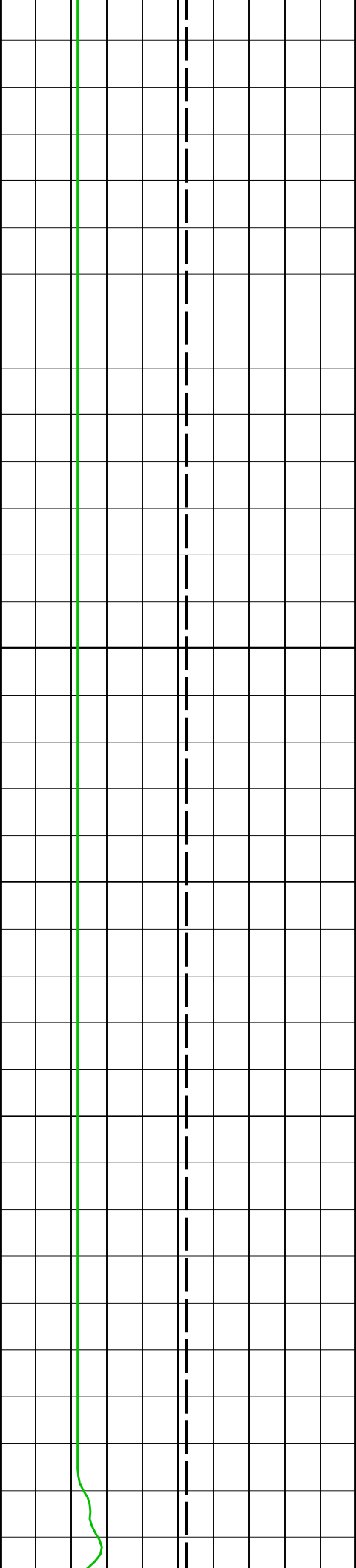
Output DLIS Files

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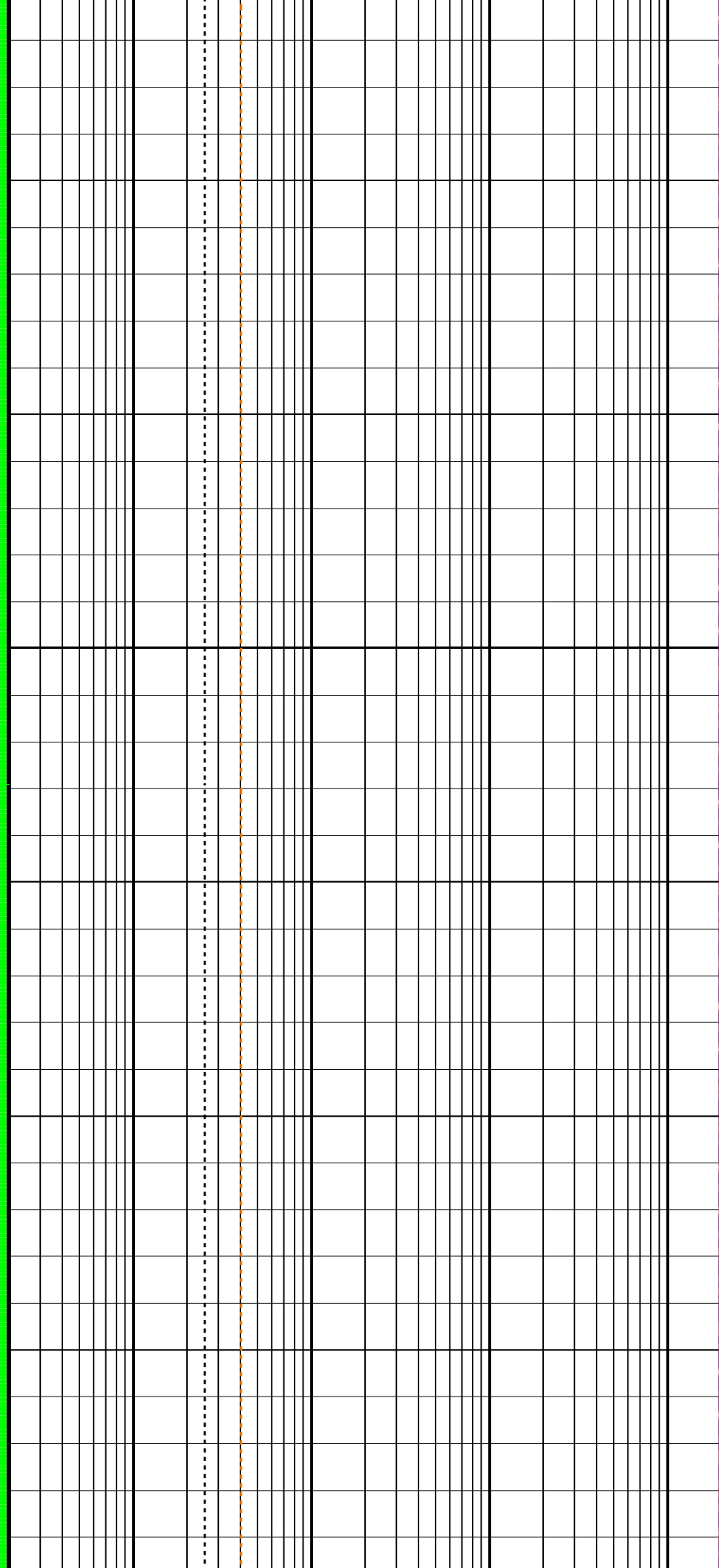


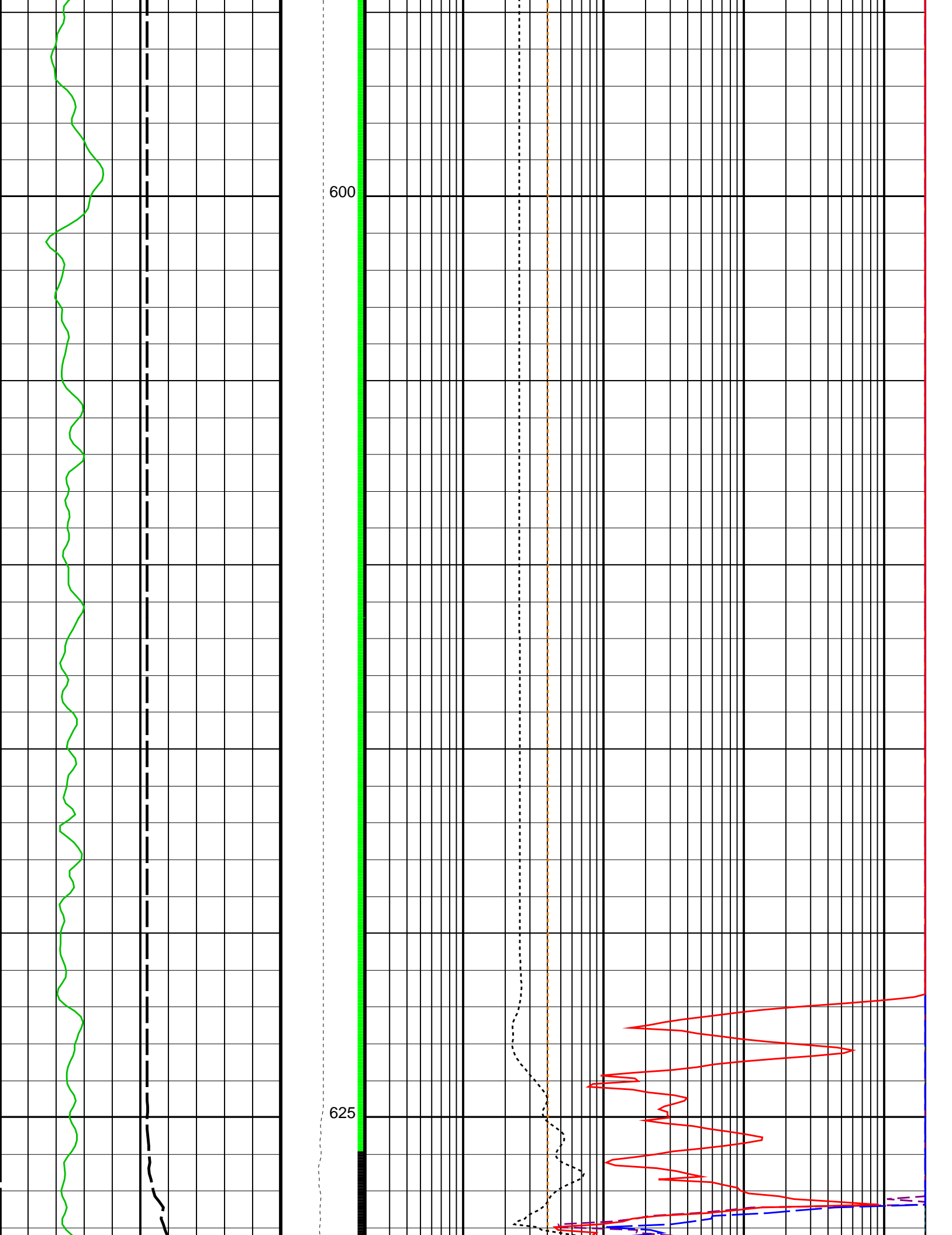
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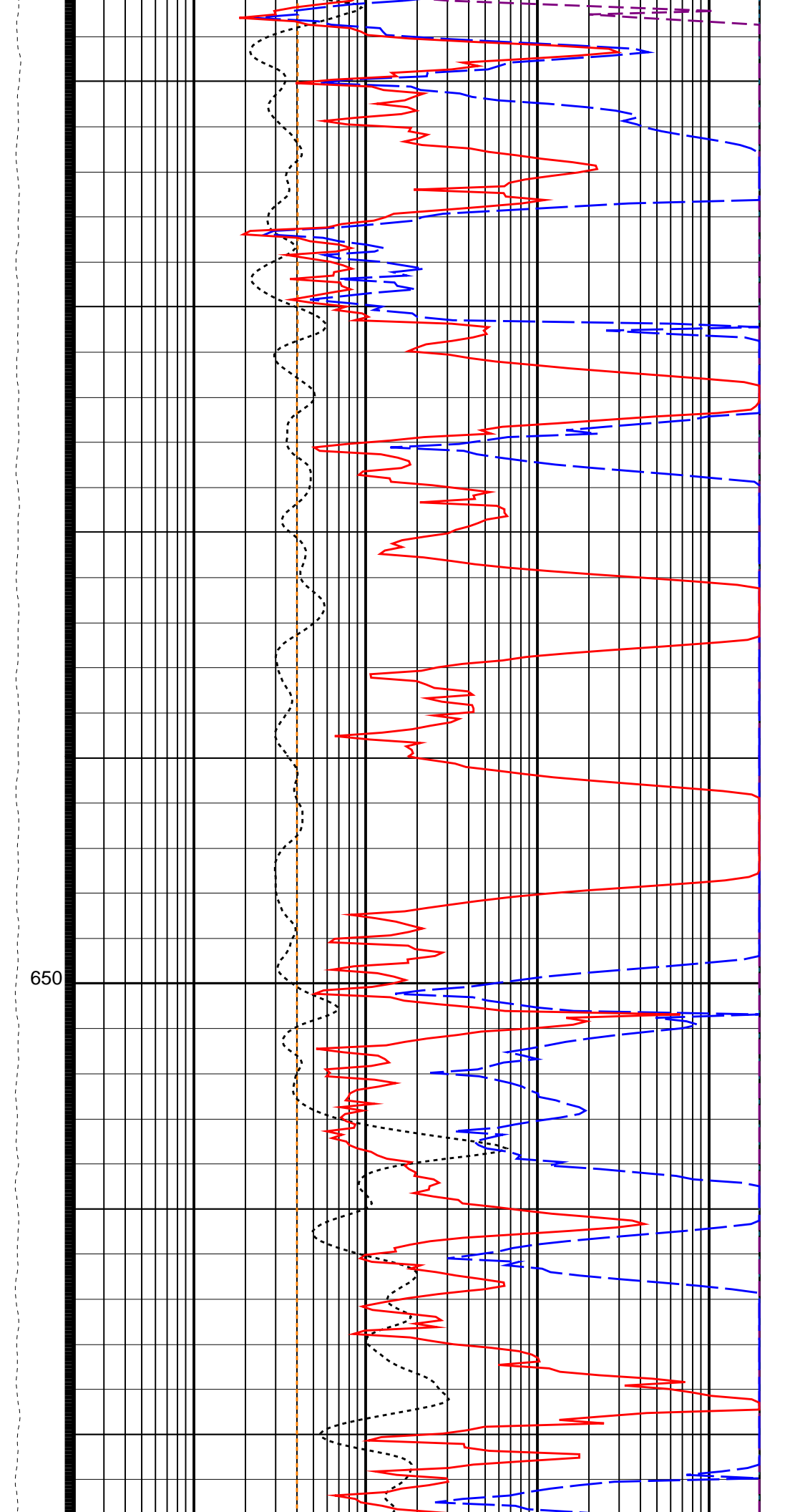
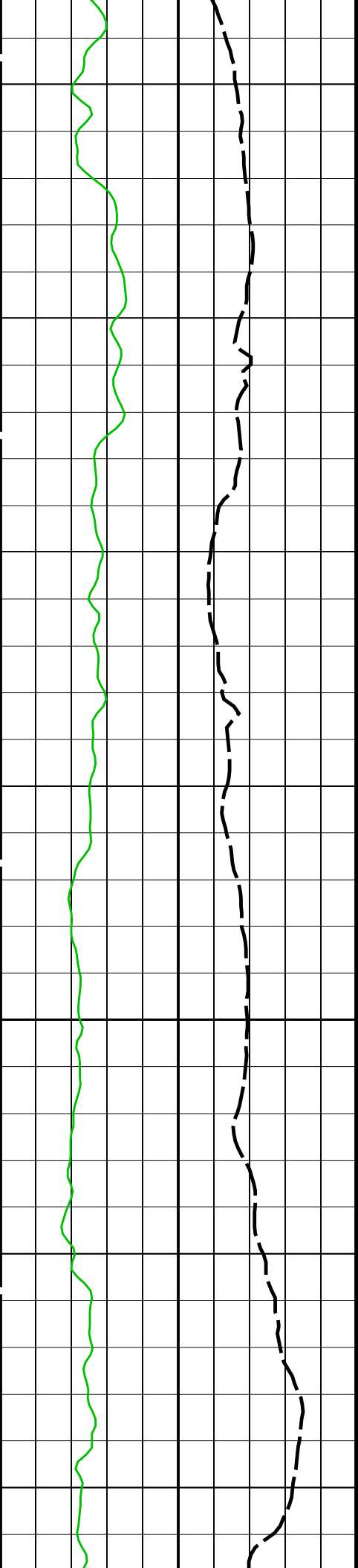


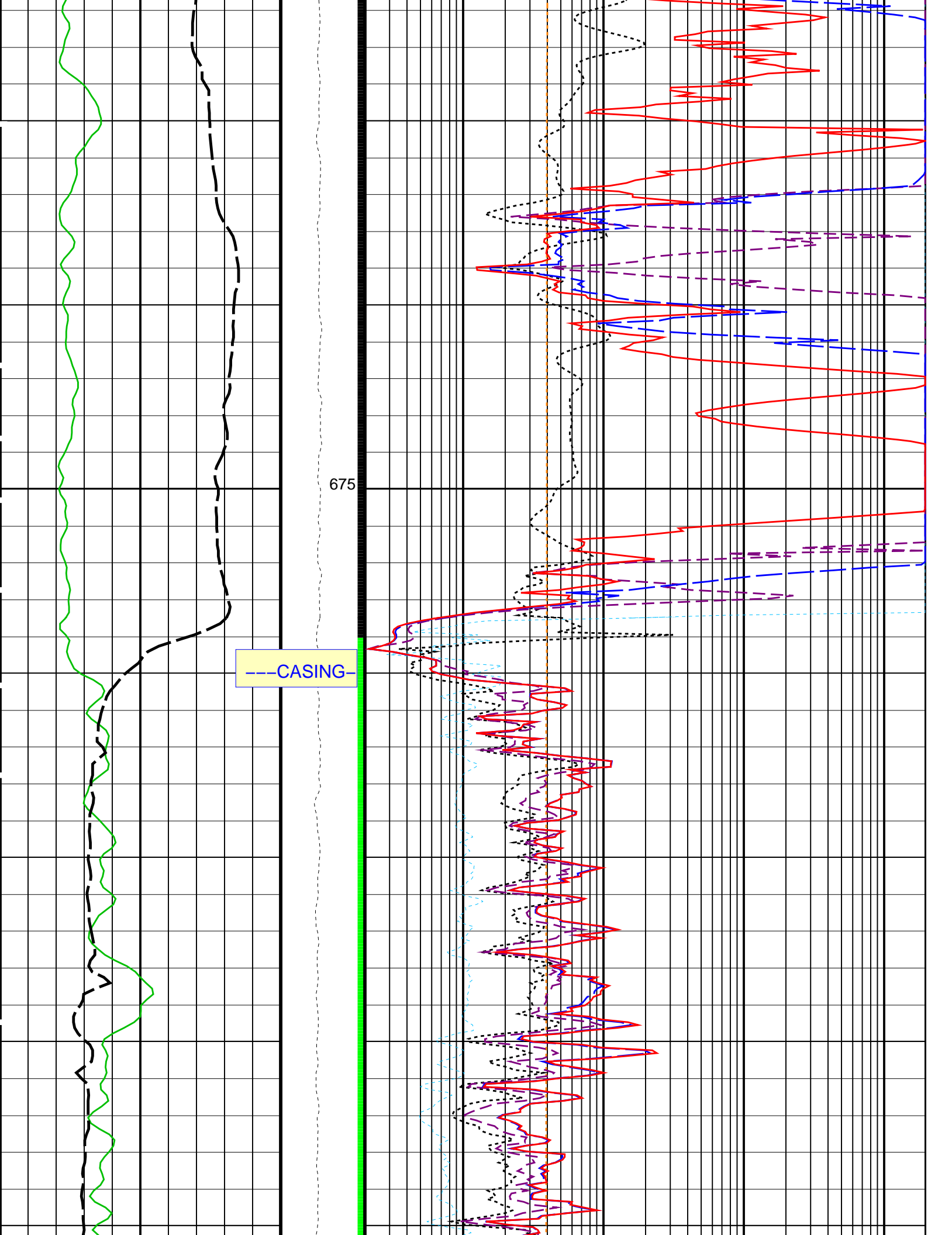


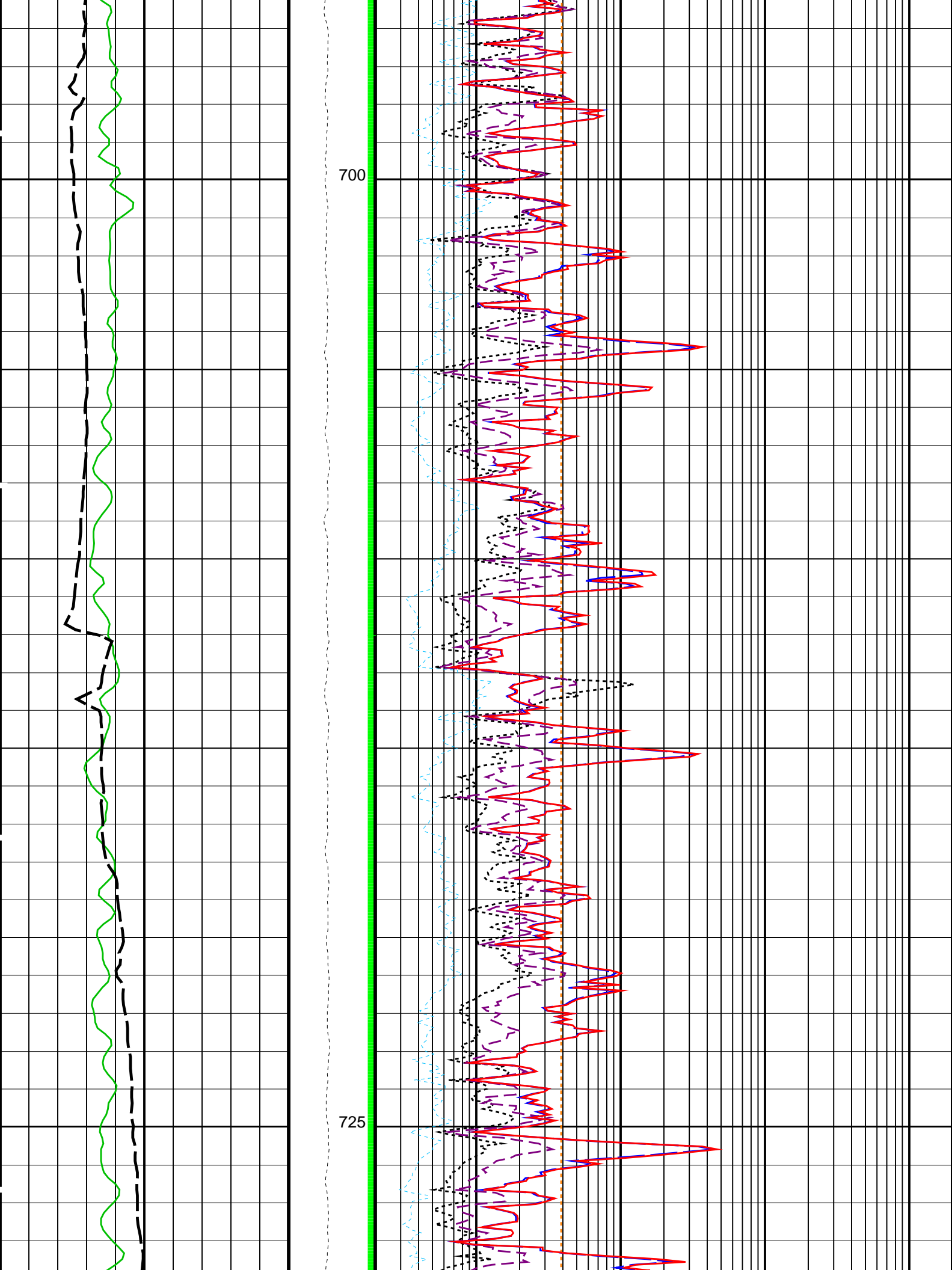
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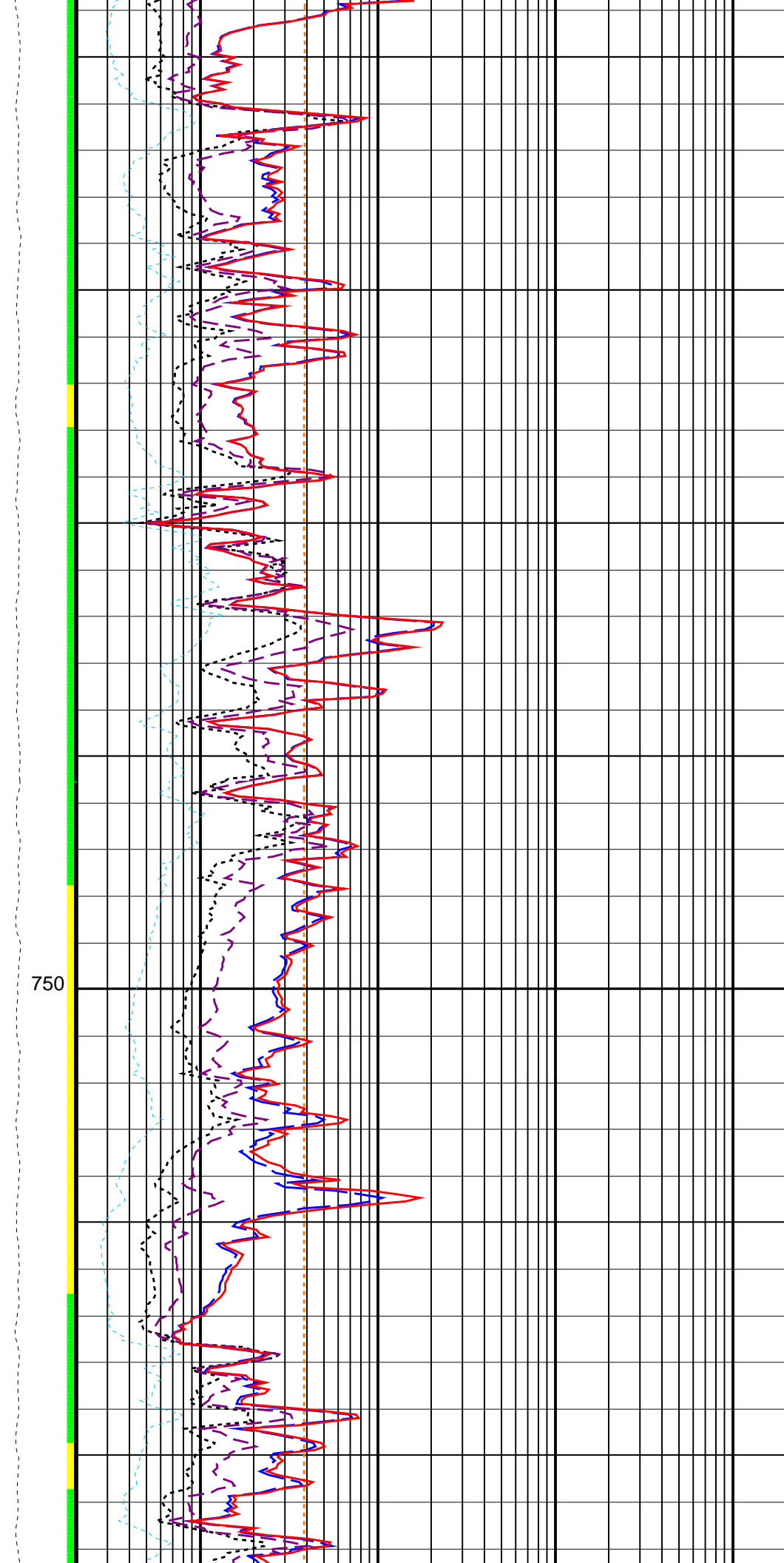
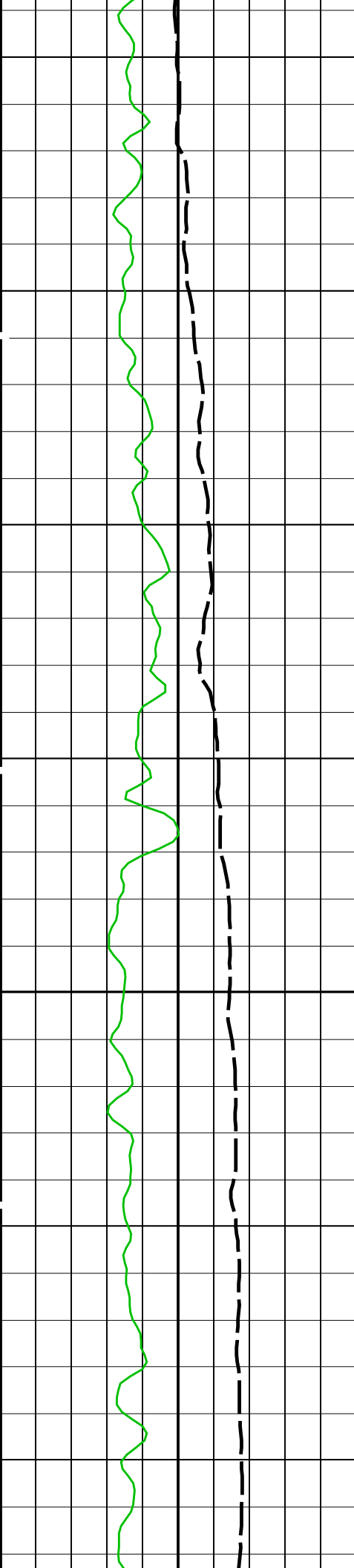


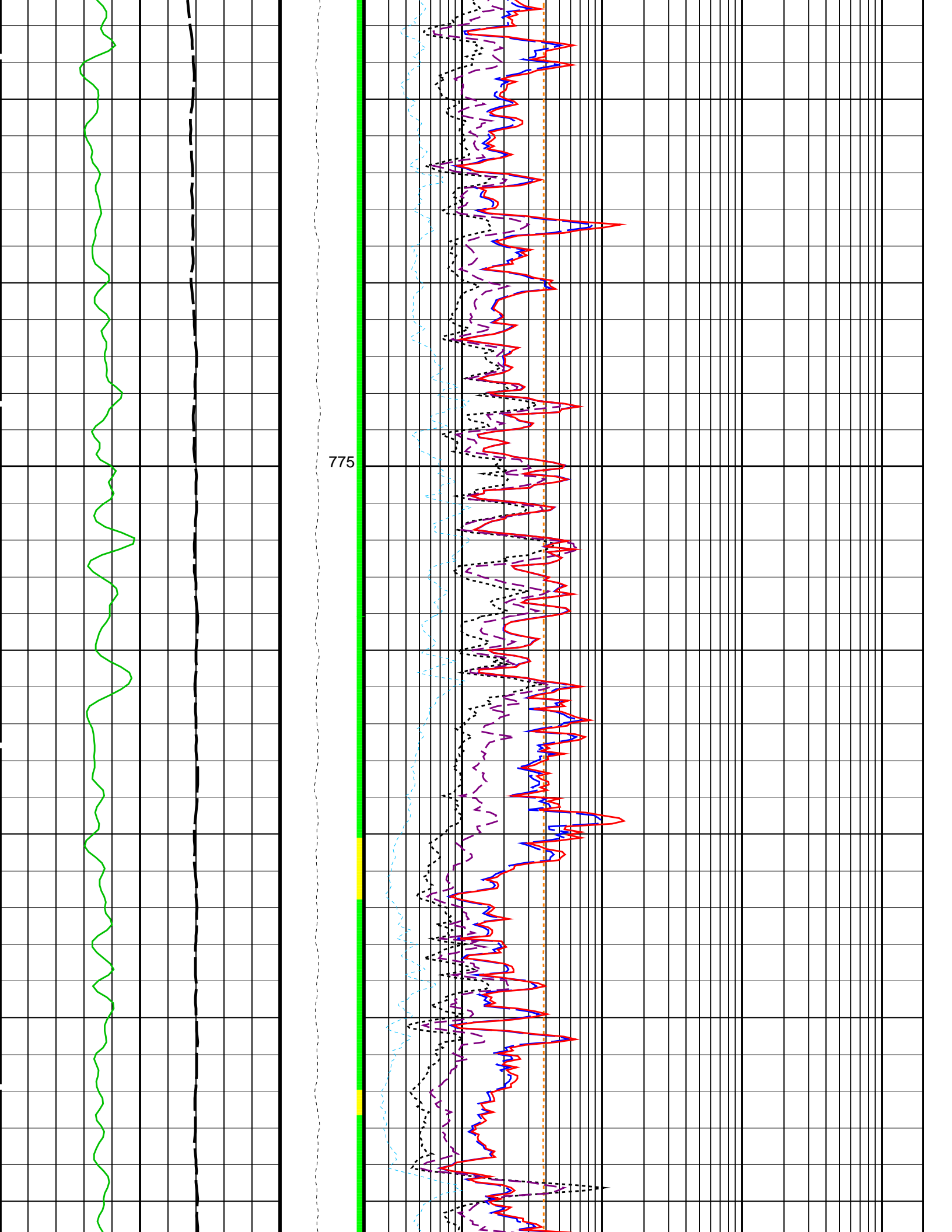


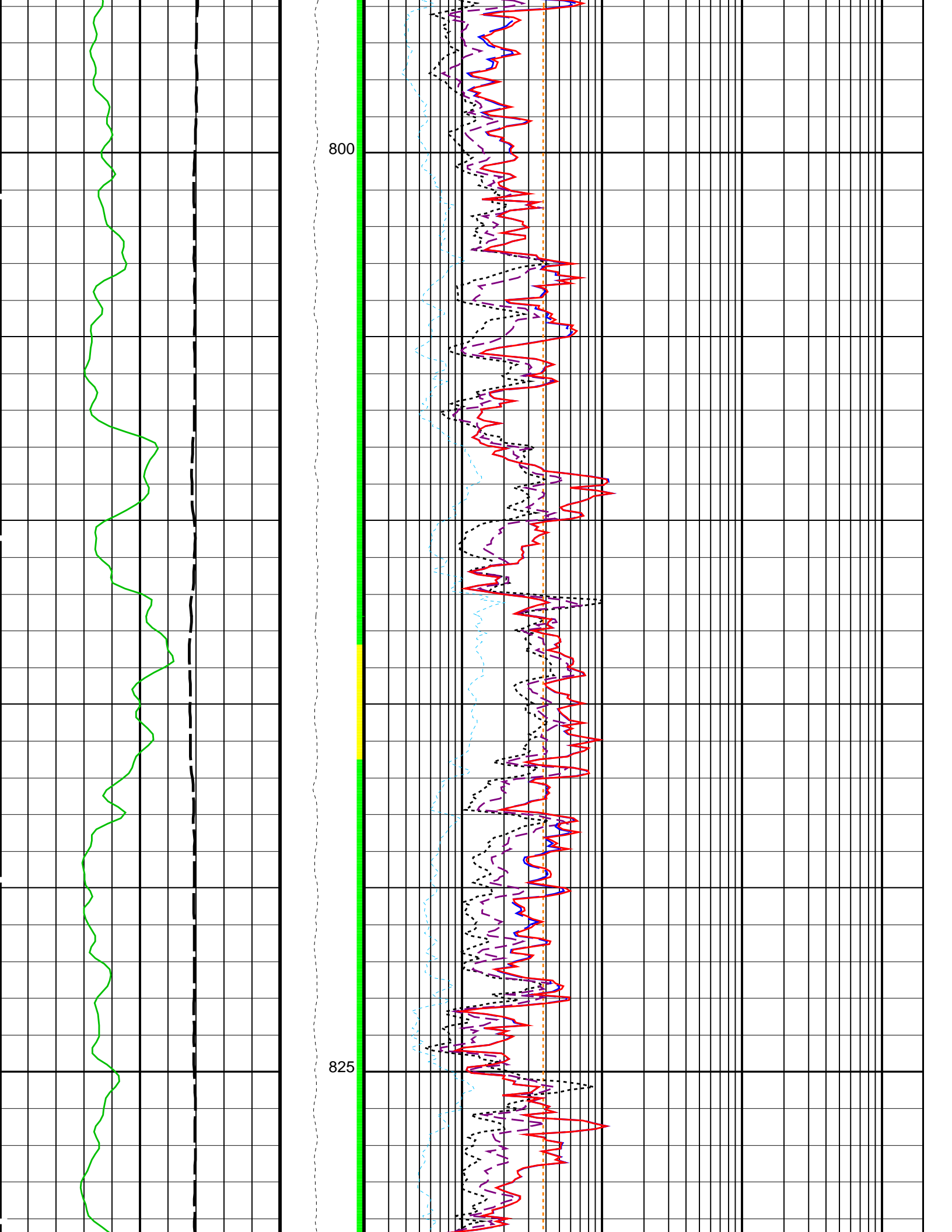


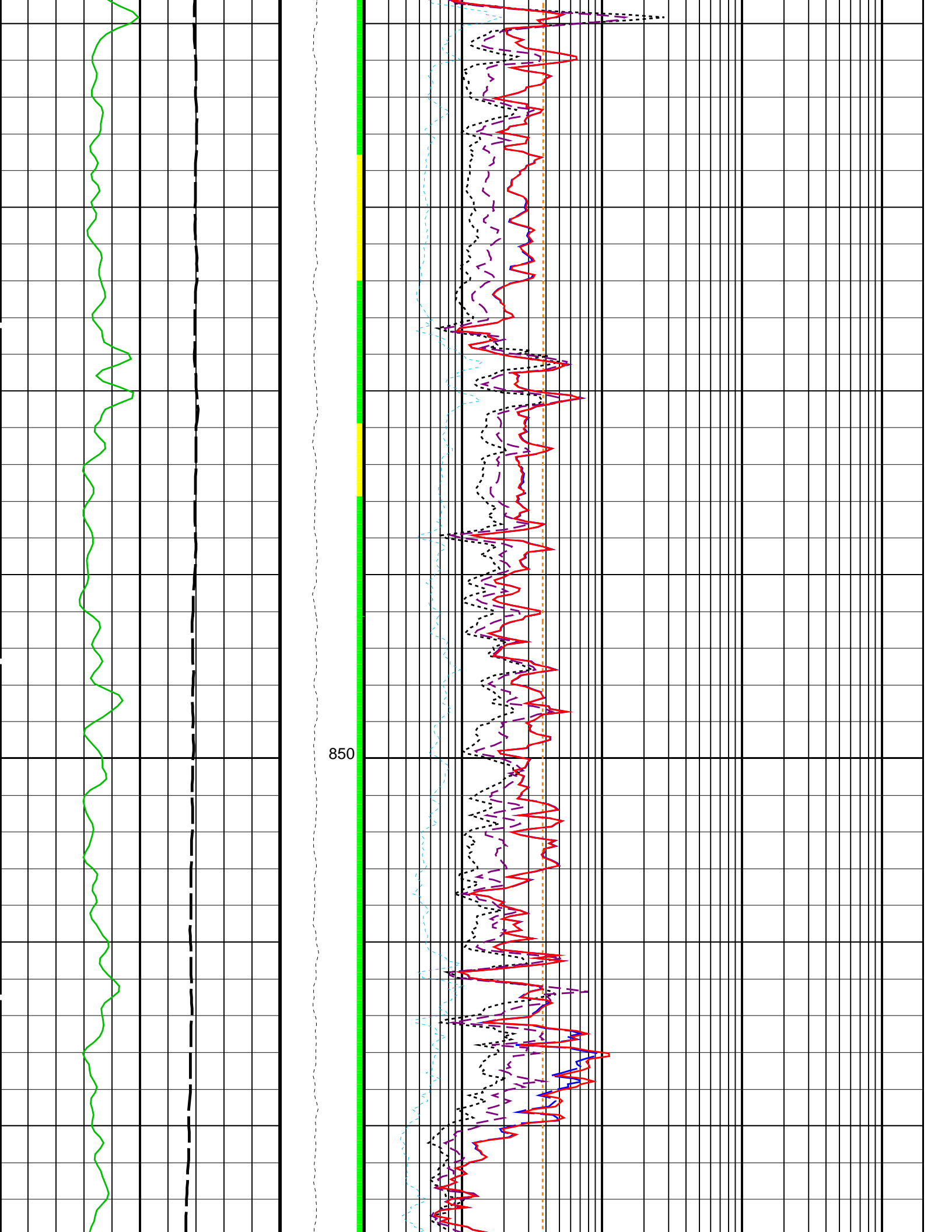


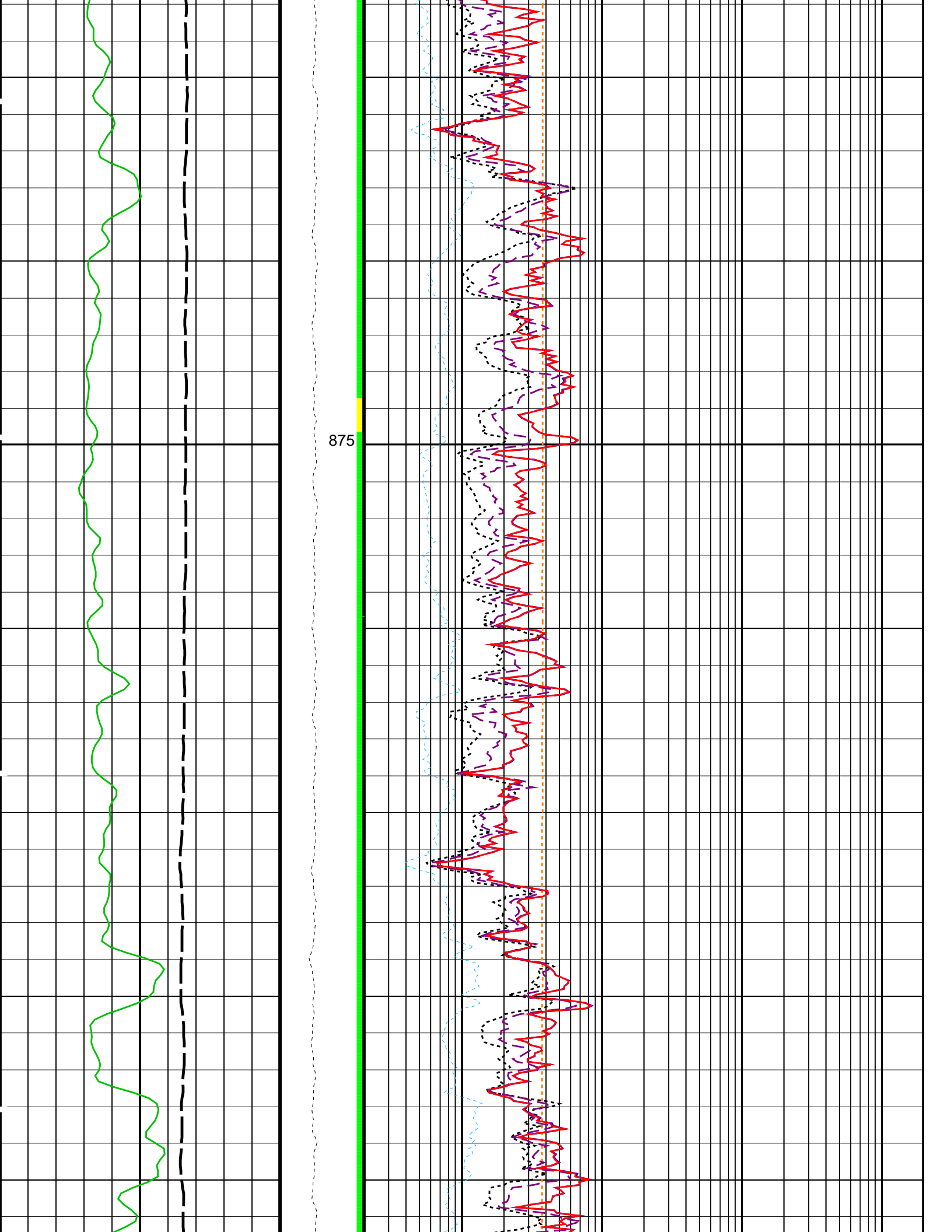


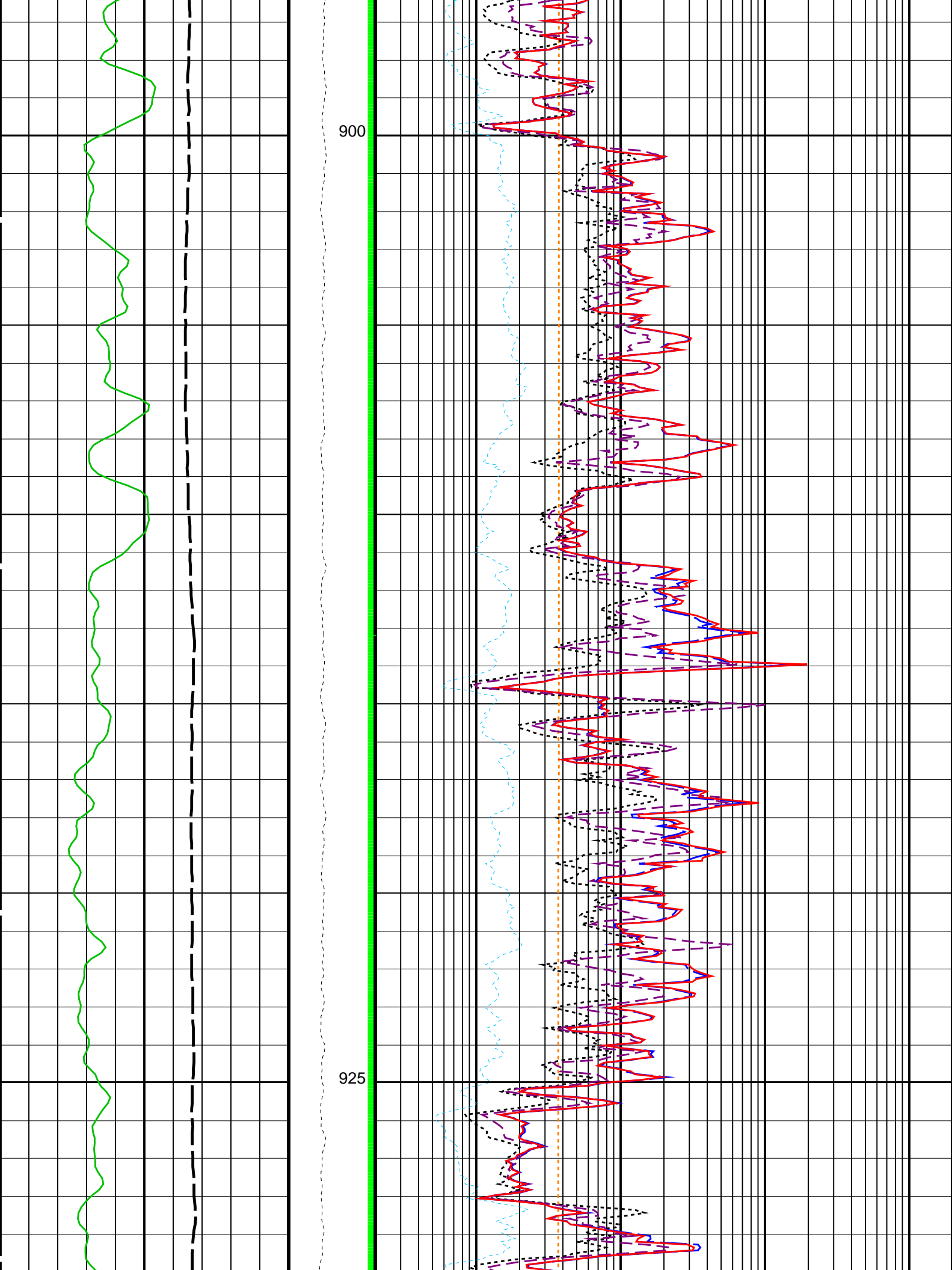


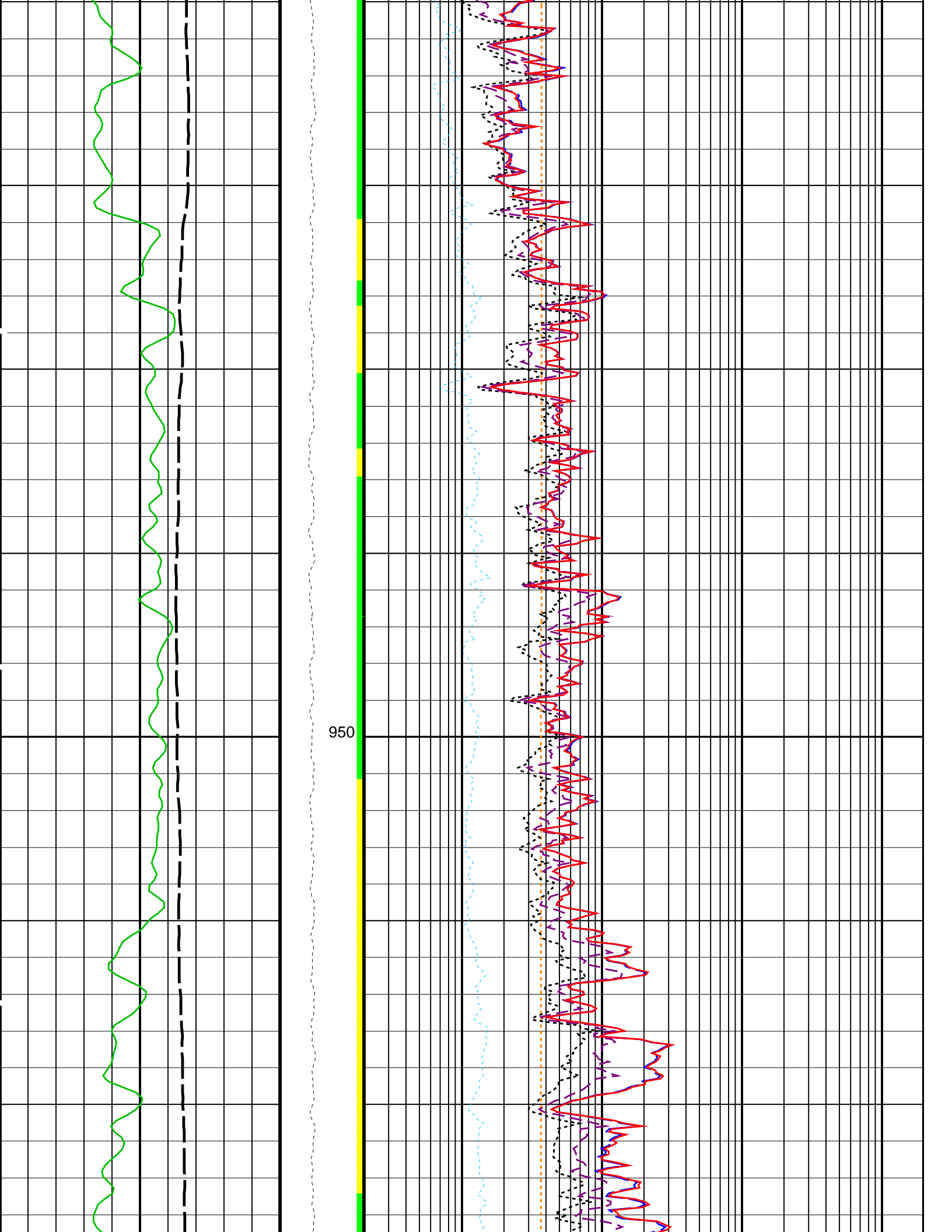


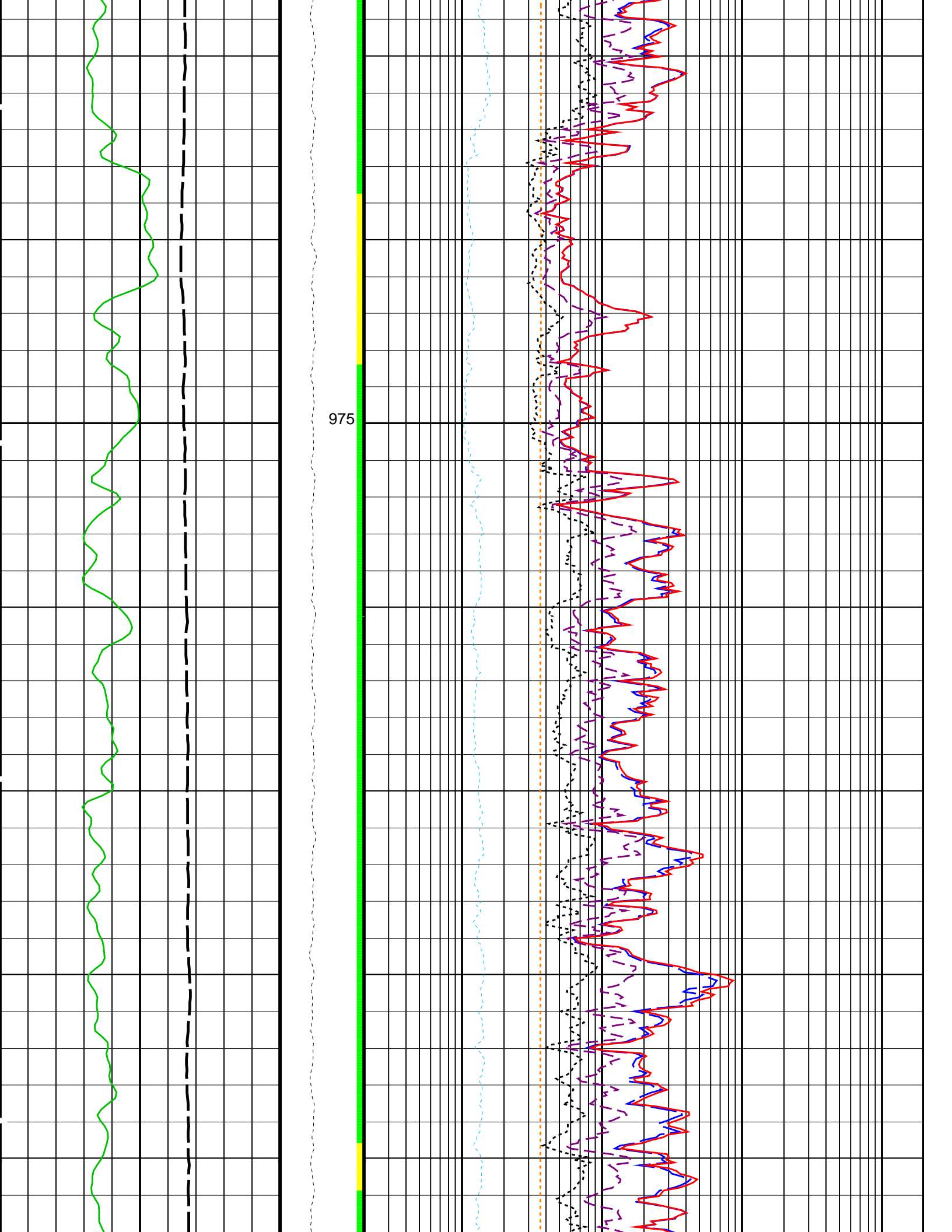


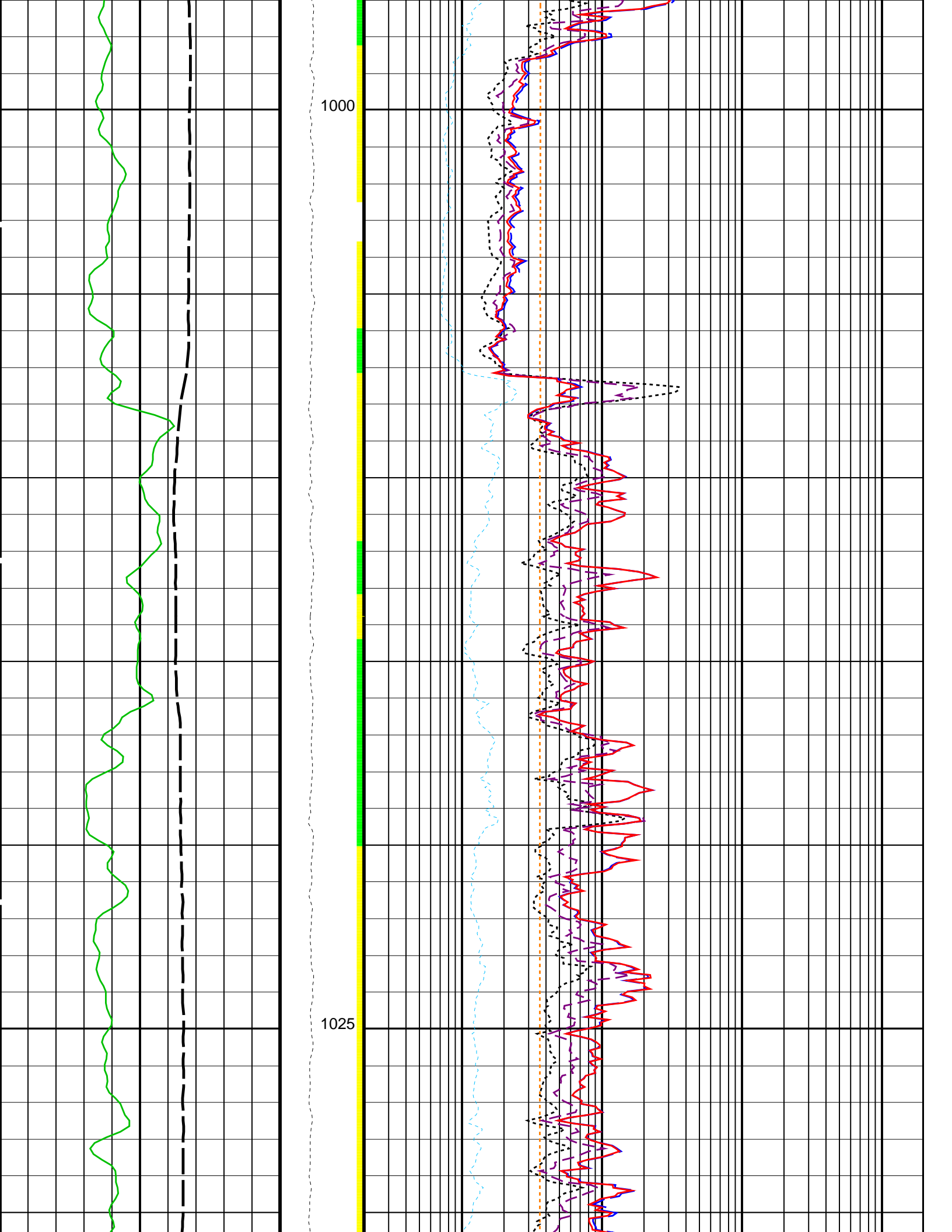


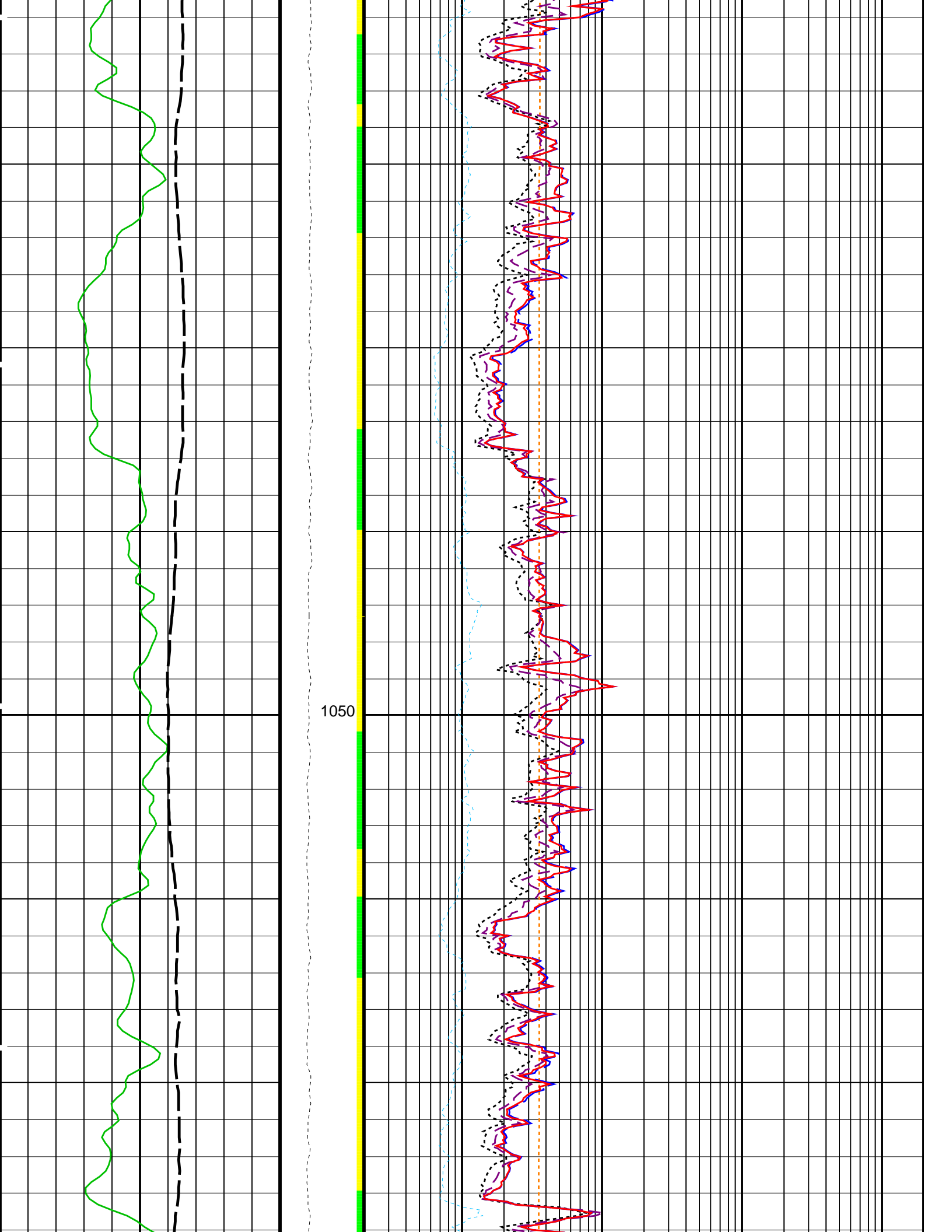


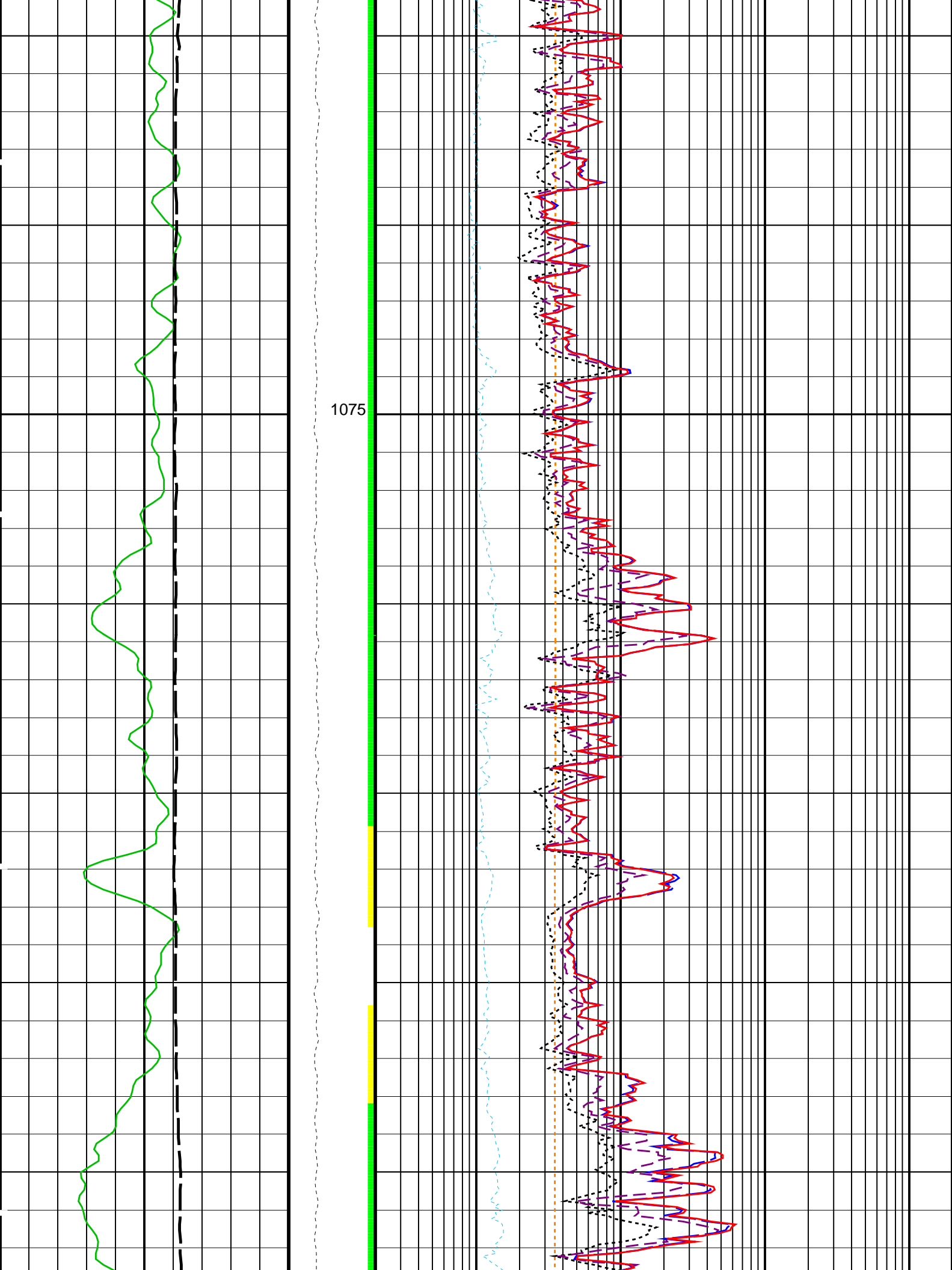


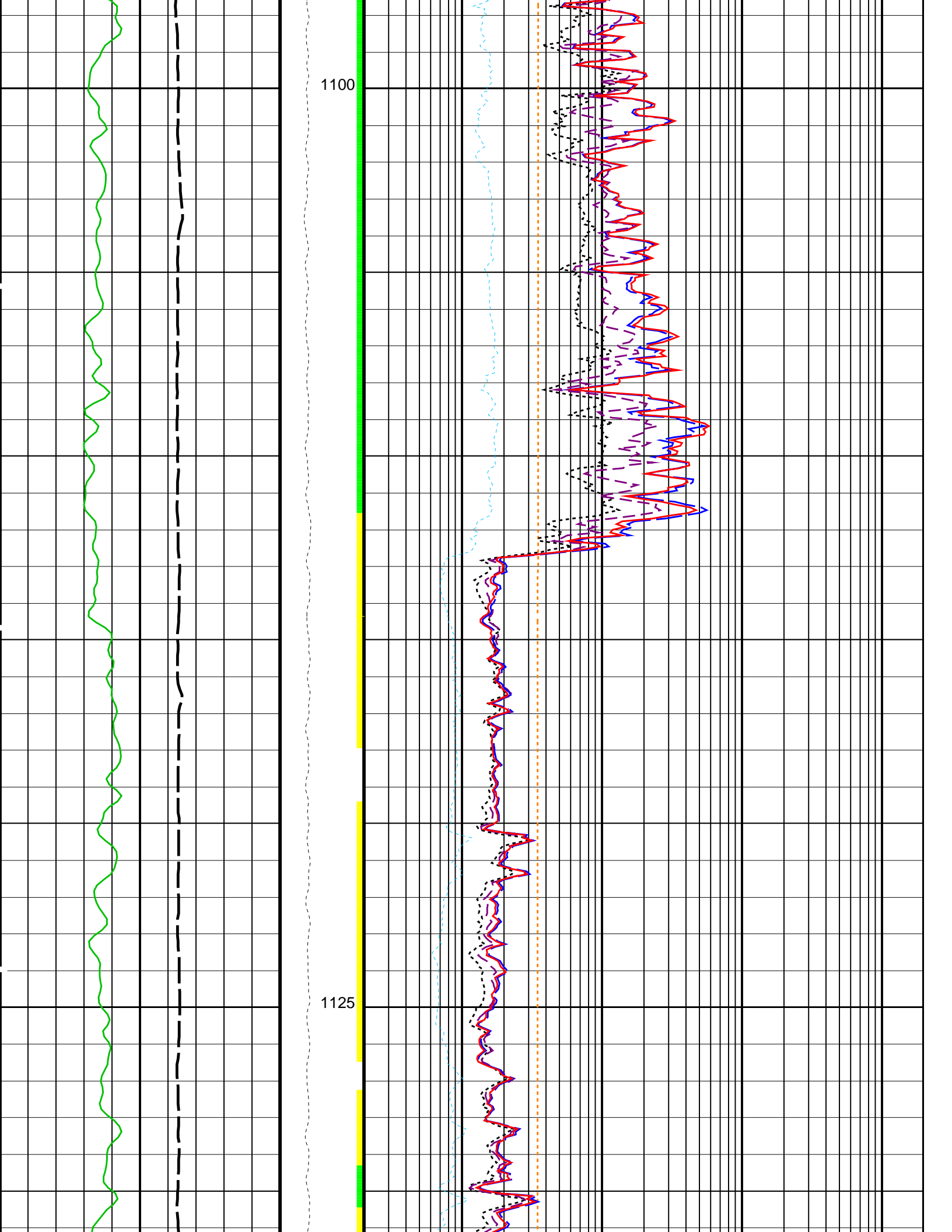


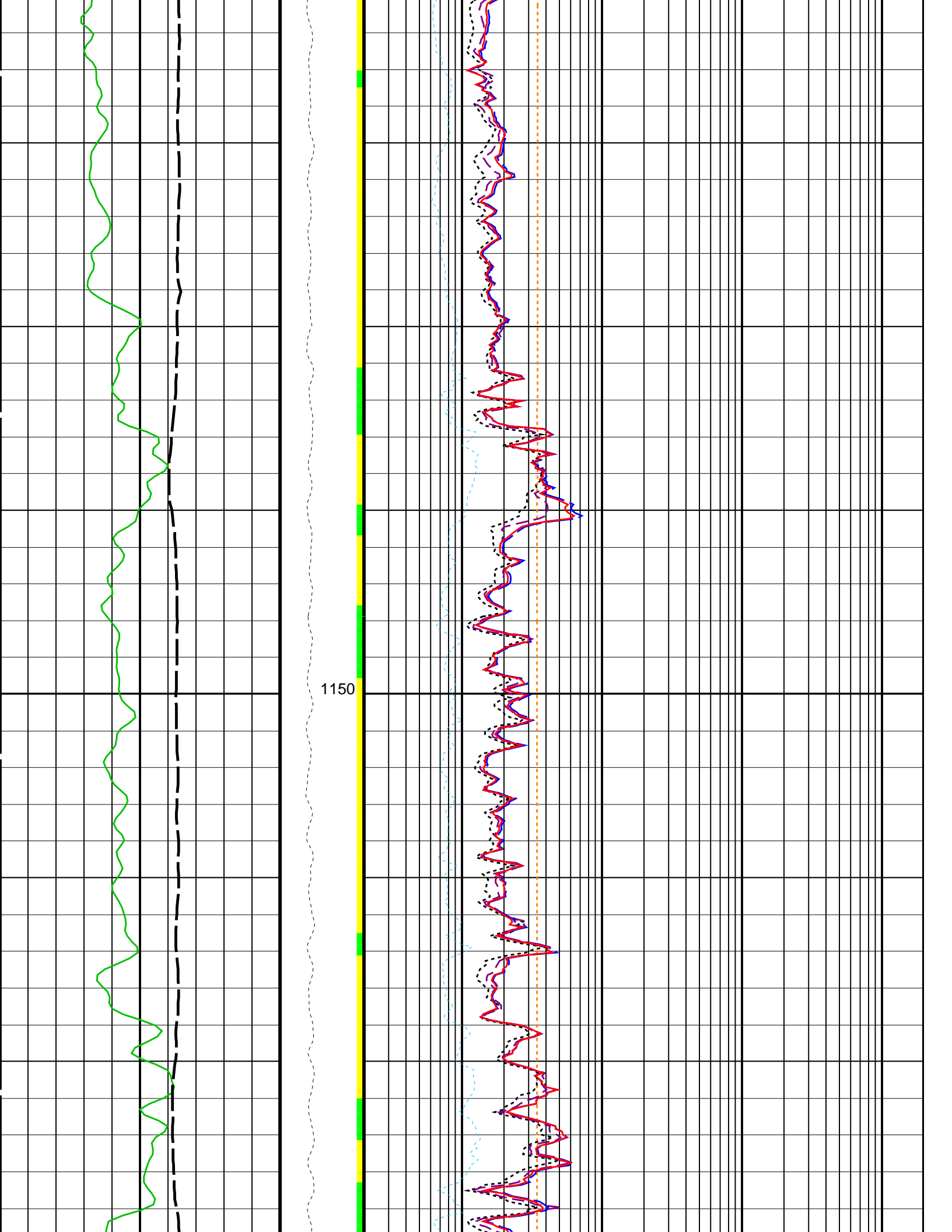


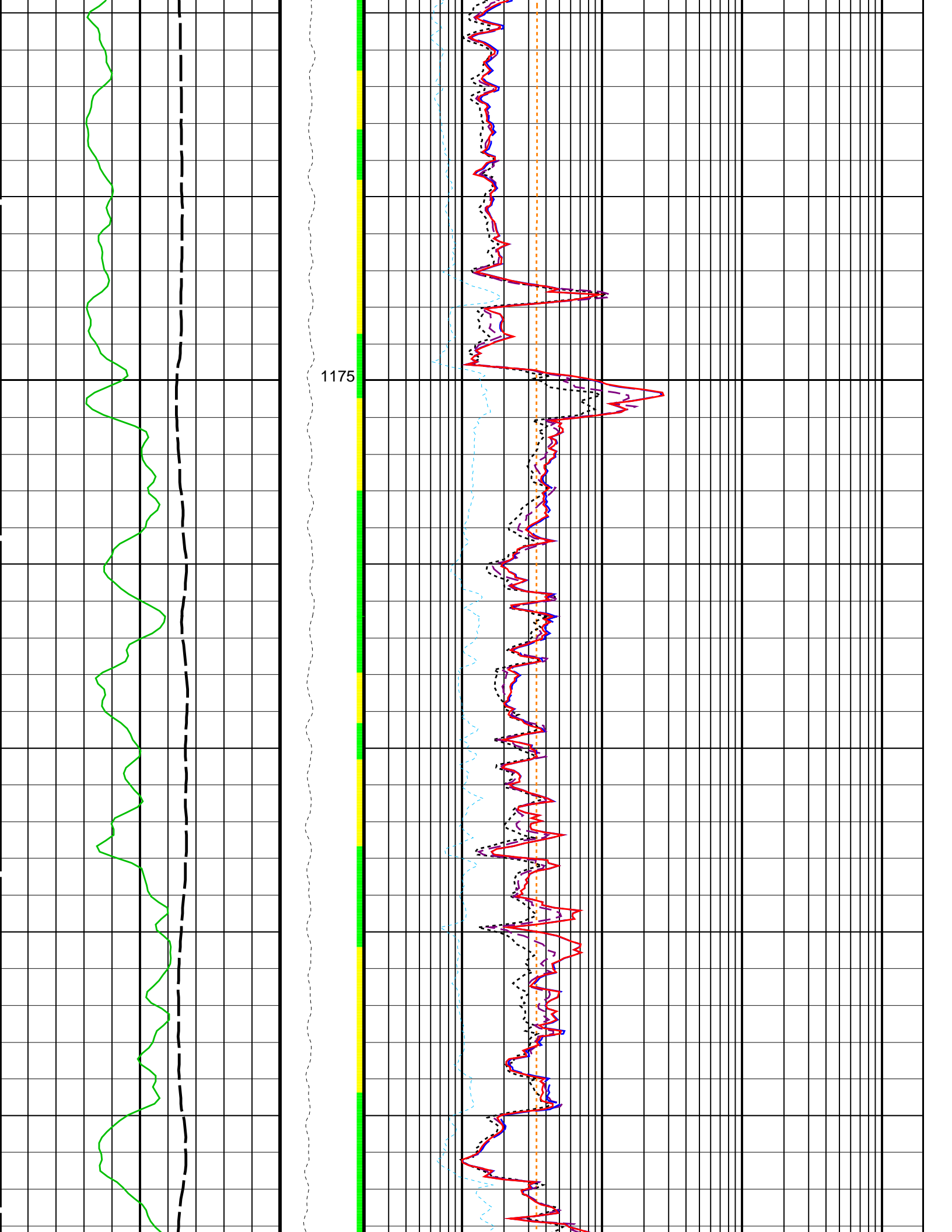


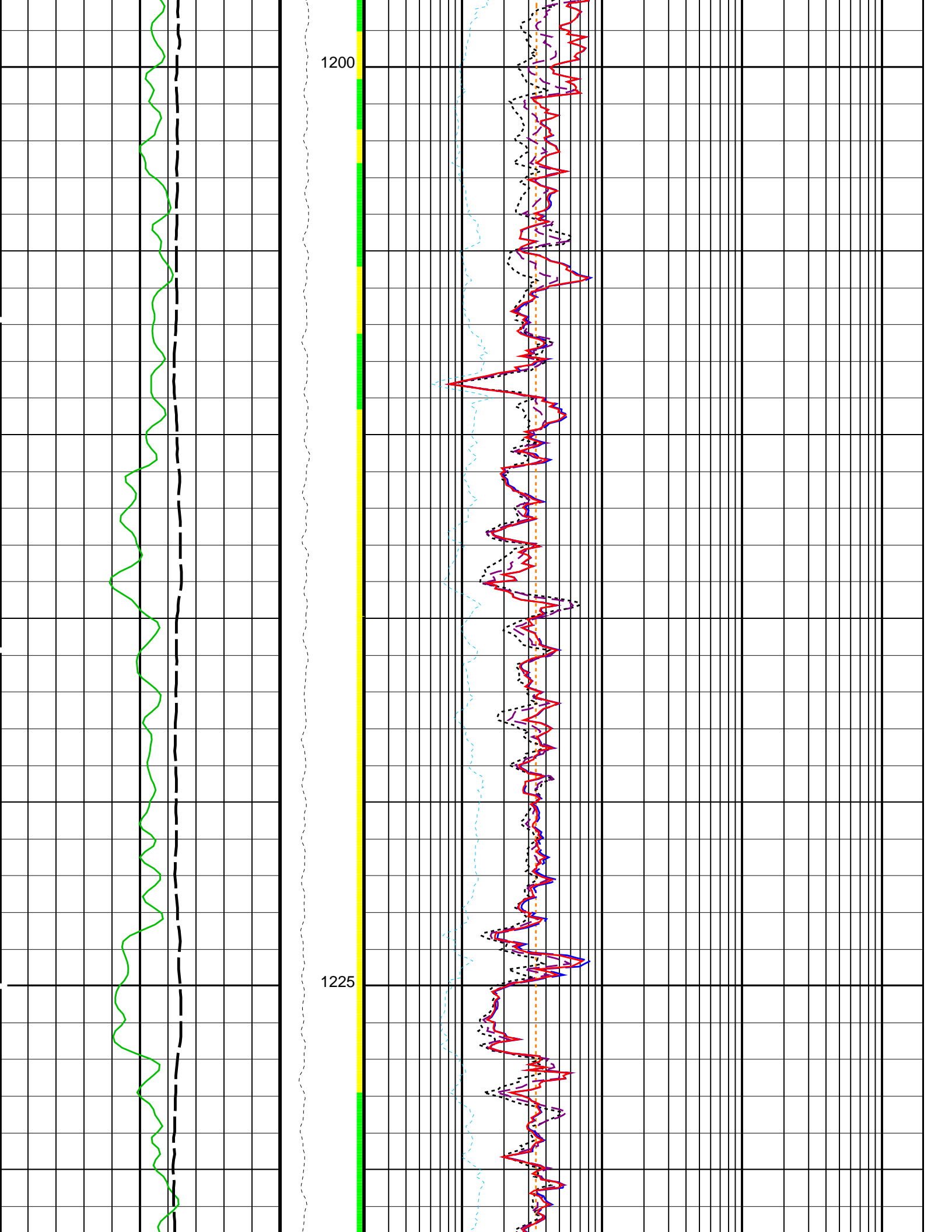


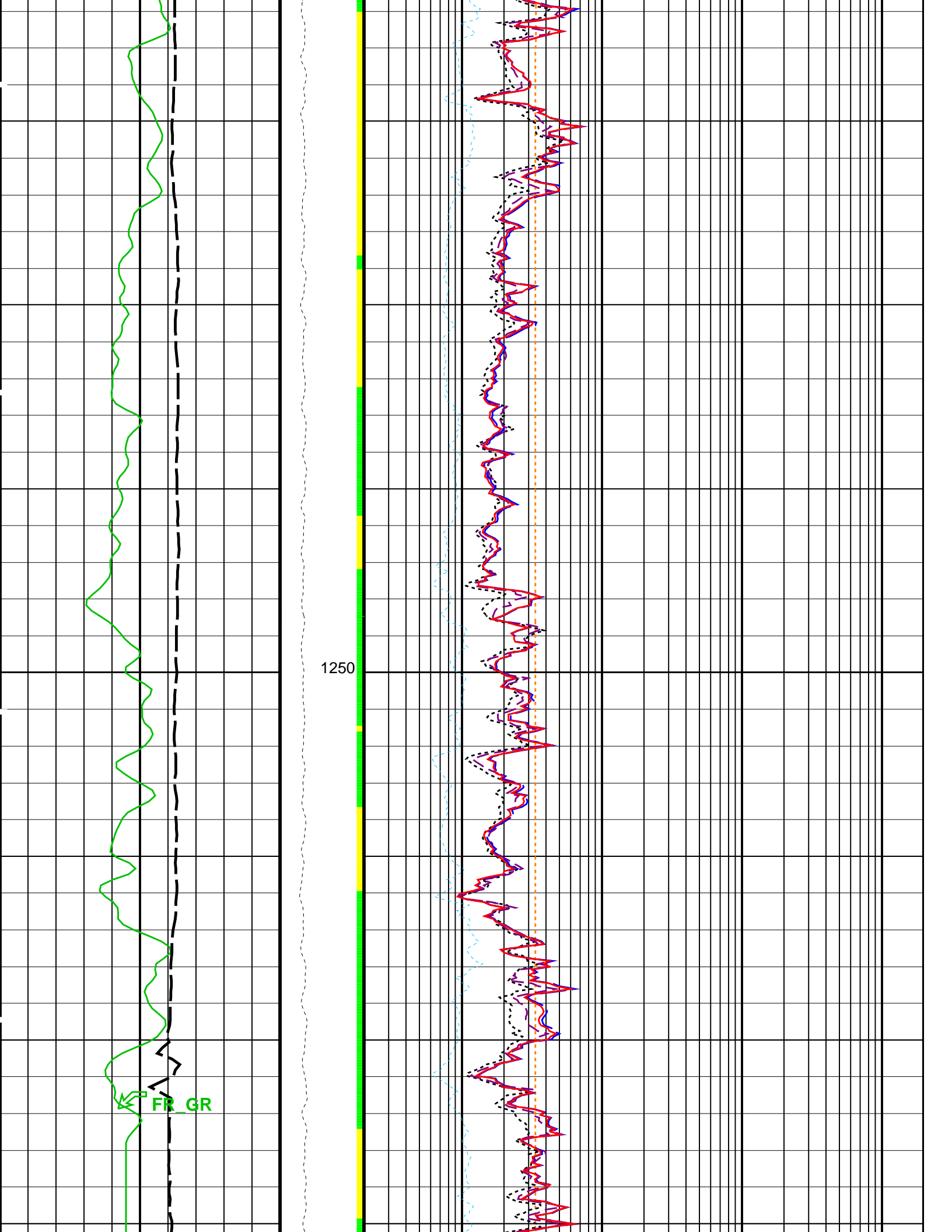


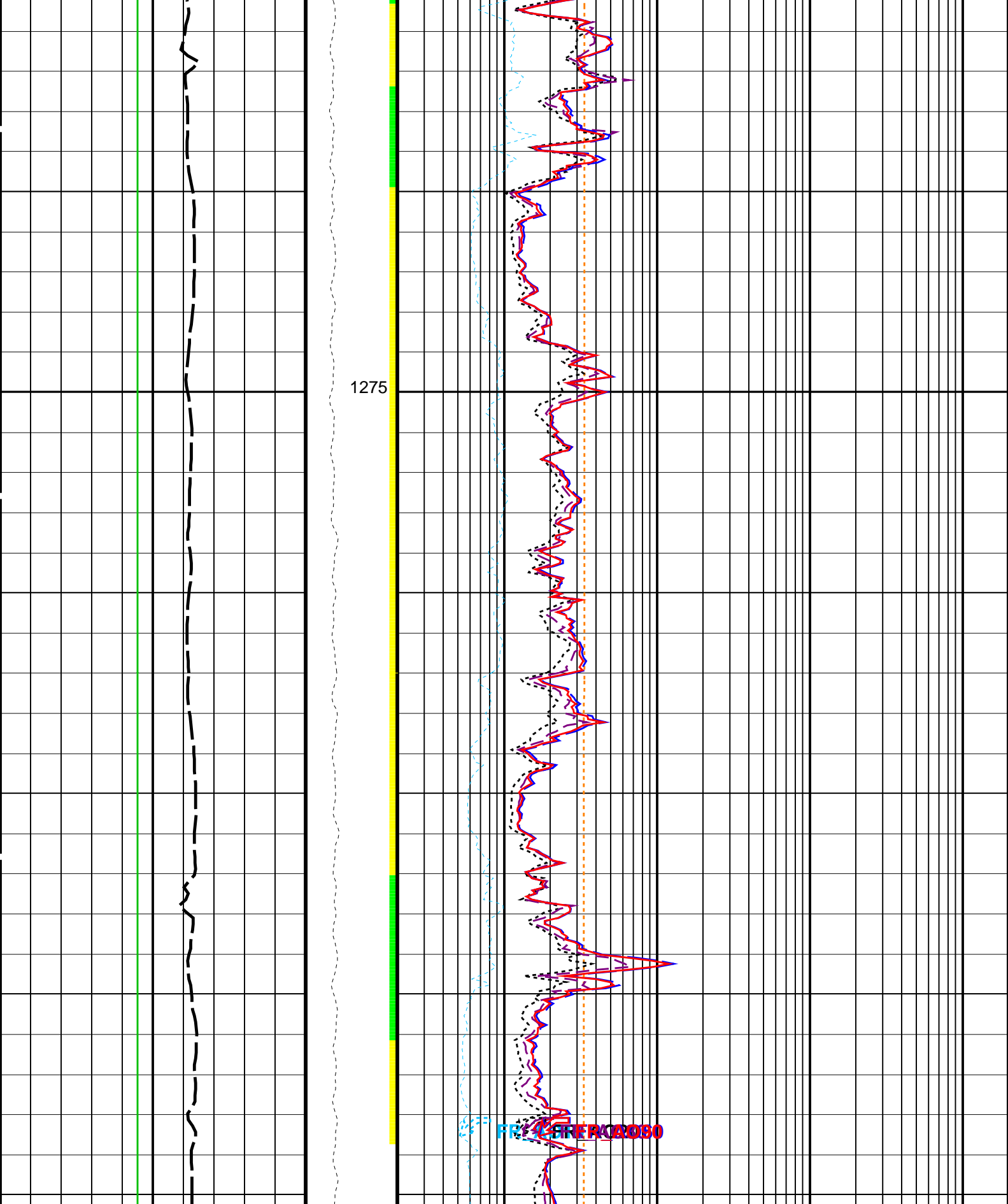




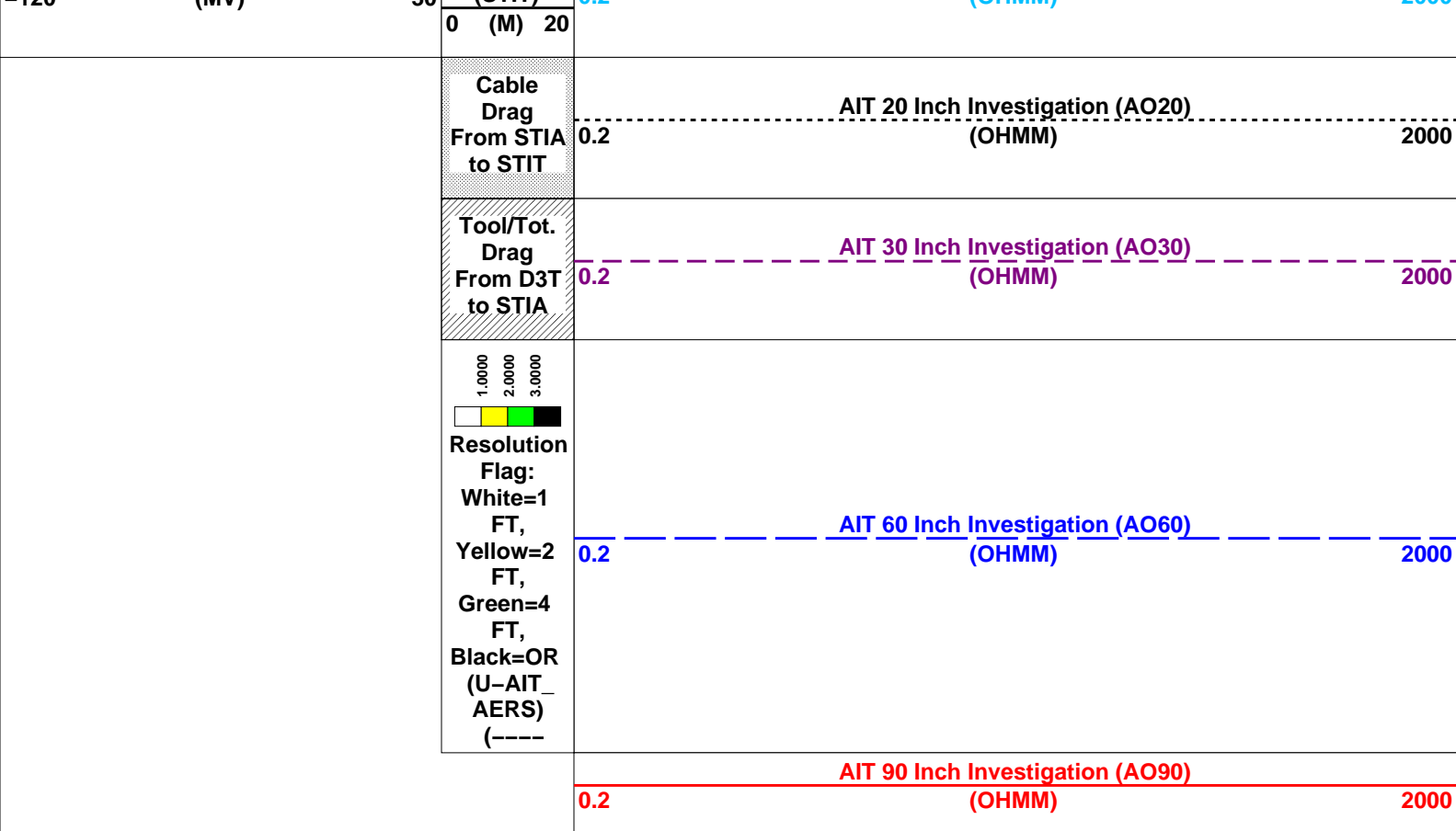








Gamma Ray (GR_EDTC) (GAPI)	Tension (TENS) (N)	AIT Mud Full Cal (AMF) (OHMM)
SP (SP) (MV)	Stuck Stretch (STIT)	AIT 10 Inch Investigation (AO10) (OHMM)
-120 30	25000 0	0.02 200 0.2 2000



PIP SUMMARY

Time Mark Every 60 S

ZAIT Answer Product Processing Summary. Data taken with sonde # 2

***** Bhole Correction *****

Effective Tool Standoff computed. Borehole diameter and mud res. taken as input (see GCSE and GRSE parameters)
Tool is run in ECCENTERED mode with a tool stand-off of 2.50 IN. Bit Size is 361.95 MM.

***** Input Selections to ZAIT Answer Product processing *****

Caliper (GCSE): HD1_PPC2 Mud Resistivity (GRSE): AMF Temperature (GTSE): LINEAR_ESTIMATE Porosity (FPHI): DPHZ

***** Other parameters used by ZAIT Answer Product processing *****

Surface Hole Temperature (SHT) 41.000 DEGF Bottom Temperature (BHT) 47.700 DEGF
Total Depth (TD) 4298.000 FT
Form Factor Exponent (FEXP) 2.000 Form Factor Numerator (FNUM) 1.000
Mud Filtrate Sample Resistivity (RMFS) 0.120 OHMM Mud Filtrate Sample Temperature (MFST) 18.800 DEGC
Resitivity Connate Water (RW) 1.000 OHMM

***** ZAIT Answer Product processing control parameters *****

Playback Mode: RECOMPUTE

(AEBC): Yes (AEBL): Yes (AERP): Yes

(ABHM): 1_ComputeStandoff (ABLM): 6_One_Two_and_Four (ARPM): 6_One_Two_and_Four

Parameters

DLIS Name	Description	Value
ZAIT-BA: 3-D Array Induction Tool - ZAIT-		
ABLM	Array Induction Basic Logs Mode	6_One_Two_and_Four
ABLV	Array Induction Basic Logs Code Version Number	212
ACDE	Array Induction Casing Detection Enable	No
ACSED	Array Induction Casing Shoe Estimated Depth	-50000 FT
AFRSV	Array Induction Response Set Version for Four ft Resolution	40.70.24.20
AORSV	Array Induction Response Set Version for One ft Resolution	40.70.24.20
ARFV	Array Induction Radial Profiling Code Version Number	701
ARPV	Array Induction Radial Parametrization Code Version Number	232
ATRSV	Array Induction Response Set Version for Two ft Resolution	40.70.24.20
BHT	Bottom Hole Temperature (used in calculations)	47.7 DEGF
FEXP	Form Factor Exponent	2
FNUM	Form Factor Numerator	1
GCSE	Caliper Selection	HD1_PPC2

GCSE	Generalized Caliper Selection	HD1_PPC2	0	DEG
GDEV	Average Angular Deviation of Borehole from Normal		0.01	DF/F
GGRD	Geothermal Gradient			
GRSE	Generalized Mud Resistivity Selection	ZAIT_RESIST		
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE		
SHT	Surface Hole Temperature		41	DEGF
SPNV	SP Next Value		0	MV
TRIBHM	3D Induction Borehole Correction Mode	1_ComputeStandoff		
TRIBHV	Array Induction Borehole Correction Code Version Number		167	
TRIRSV	3D Induction Response Set Version		00.10.24.00	
TRIRT	3D Rotation Selector		NorTH	
TRISTA	3D Tool Standoff		2.5	IN
APS-C: Accelerator-Porosity Tool				
BHT	Bottom Hole Temperature (used in calculations)		47.7	DEGF
GCSE	Generalized Caliper Selection	HD1_PPC2		
GDEV	Average Angular Deviation of Borehole from Normal		0	DEG
GGRD	Geothermal Gradient		0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	ZAIT_RESIST		
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE		
SHT	Surface Hole Temperature		41	DEGF
HRLT-B: High Resolution Laterolog Array - E				
BHT	Bottom Hole Temperature (used in calculations)		47.7	DEGF
GCSE	Generalized Caliper Selection	HD1_PPC2		
GDEV	Average Angular Deviation of Borehole from Normal		0	DEG
GGRD	Geothermal Gradient		0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	ZAIT_RESIST		
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE		
SHT	Surface Hole Temperature		41	DEGF
EDTC-B: Enhanced DTS Cartridge				
BHT	Bottom Hole Temperature (used in calculations)		47.7	DEGF
GCSE	Generalized Caliper Selection	HD1_PPC2		
GDEV	Average Angular Deviation of Borehole from Normal		0	DEG
GGRD	Geothermal Gradient		0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	ZAIT_RESIST		
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE		
SHT	Surface Hole Temperature		41	DEGF
STI: Stuck Tool Indicator				
LBFR	Trigger for MAXIS First Reading Label		TDL	
STKT	STI Stuck Threshold		1.524	M
TDD	Total Depth - Driller		1310.00	M
TDL	Total Depth - Logger		1296.00	M
System and Miscellaneous				
BS	Bit Size		361.950	MM
DFD	Drilling Fluid Density		1115.00	K/M3
DO	Depth Offset for Playback		0.0	M
DORL	Depth Offset for Repeat Analysis		0.0	M
MST	Mud Sample Temperature		19.70	DEGC
PP	Playback Processing	RECOMPUTE		
TD	Total Depth		4298	FT

Format: ZAIT_Log_Hires Vertical Scale: 1:120 Graphics File Created: 06-Mar-2007 14:16

OP System Version: 14C0-302

MCM

ZAIT-BA	SPC-3254-ZAIT-B_t	PPC2-B	SKK-3060-PPCB_b
APS-C	14C0-302	HRLT-B	14C0-302
EMS-B	14C0-302	GPIT-C	14C0-302
PPC1-B	SKK-3060-PPCB_b	EDTC-B	SKK-3248-EDTCB_b

Input DLIS Files

DEFAULT	AIT_CAL_APS_HRLA_070PUP	FN:78	PRODUCER	06-Mar-2007 12:43	1295.2 M	557.0 M
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Output DLIS Files

DEFAULT	AIT_CAL_APS_HRLA_085PUP	FN:98	PRODUCER	06-Mar-2007 14:16
CLIENT_DATA_NOA	AIT_CAL_APS_HRLA_085PUP	FN:99	PRODUCER	06-Mar-2007 14:16



**REPEAT ANALYSIS: PLATFORM
EXPRESS ARRAY INDUCTION**

Input DLIS Files

DEFAULT	AIT_CAL_APS_HRLA_081PUP	FN:92	PRODUCER	06-Mar-2007 13:57	1190.4 M	716.0 M
DEFAULT	AIT_CAL_APS_HRLA_070PUP	FN:78	PRODUCER	06-Mar-2007 12:43	1295.2 M	557.0 M

Output DLIS Files

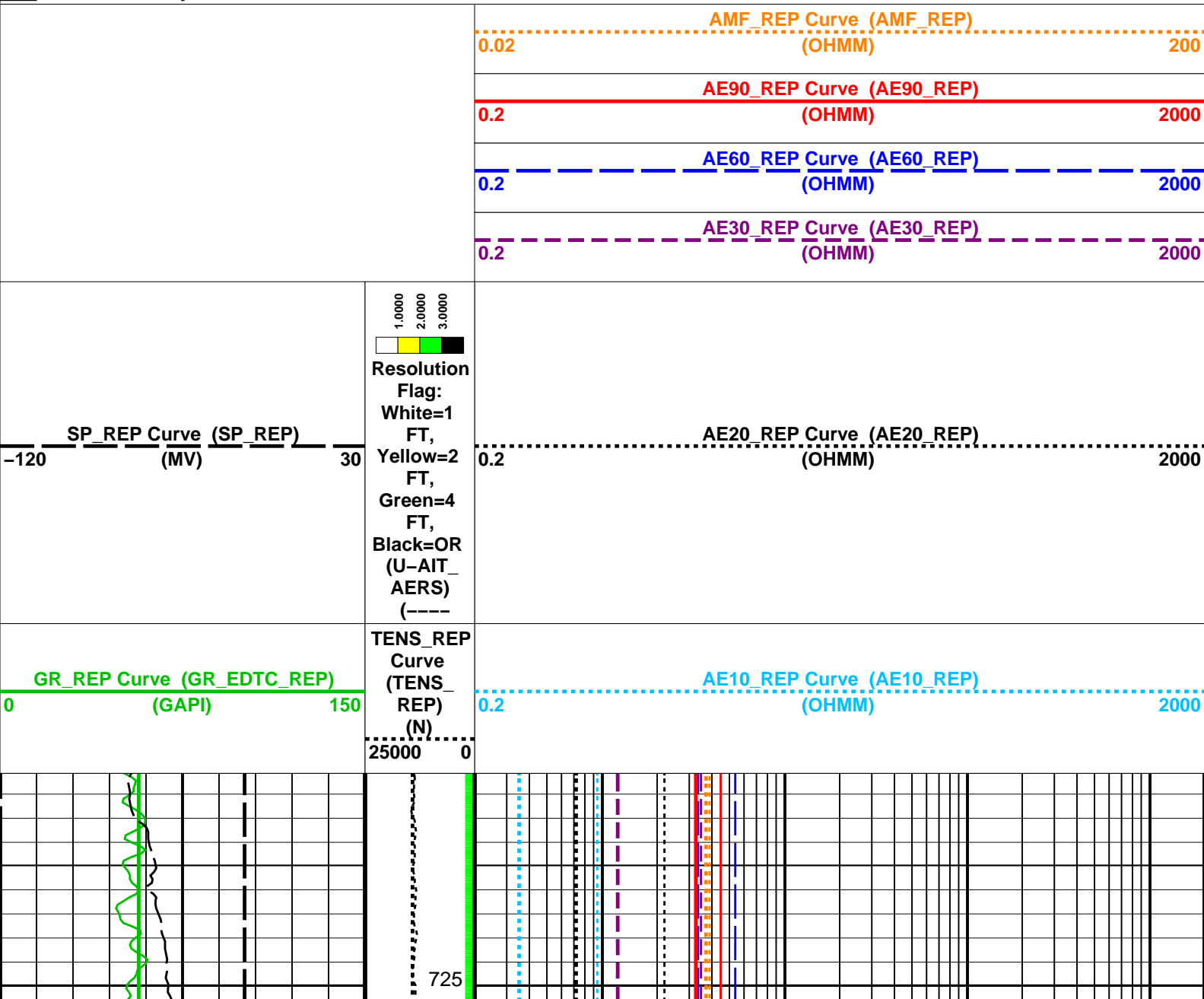
DEFAULT	AIT_CAL_APS_HRLA_085PUP	FN:98	PRODUCER	06-Mar-2007 14:16
CLIENT_DATA_NOA	AIT_CAL_APS_HRLA_085PUP	FN:99	PRODUCER	06-Mar-2007 14:16

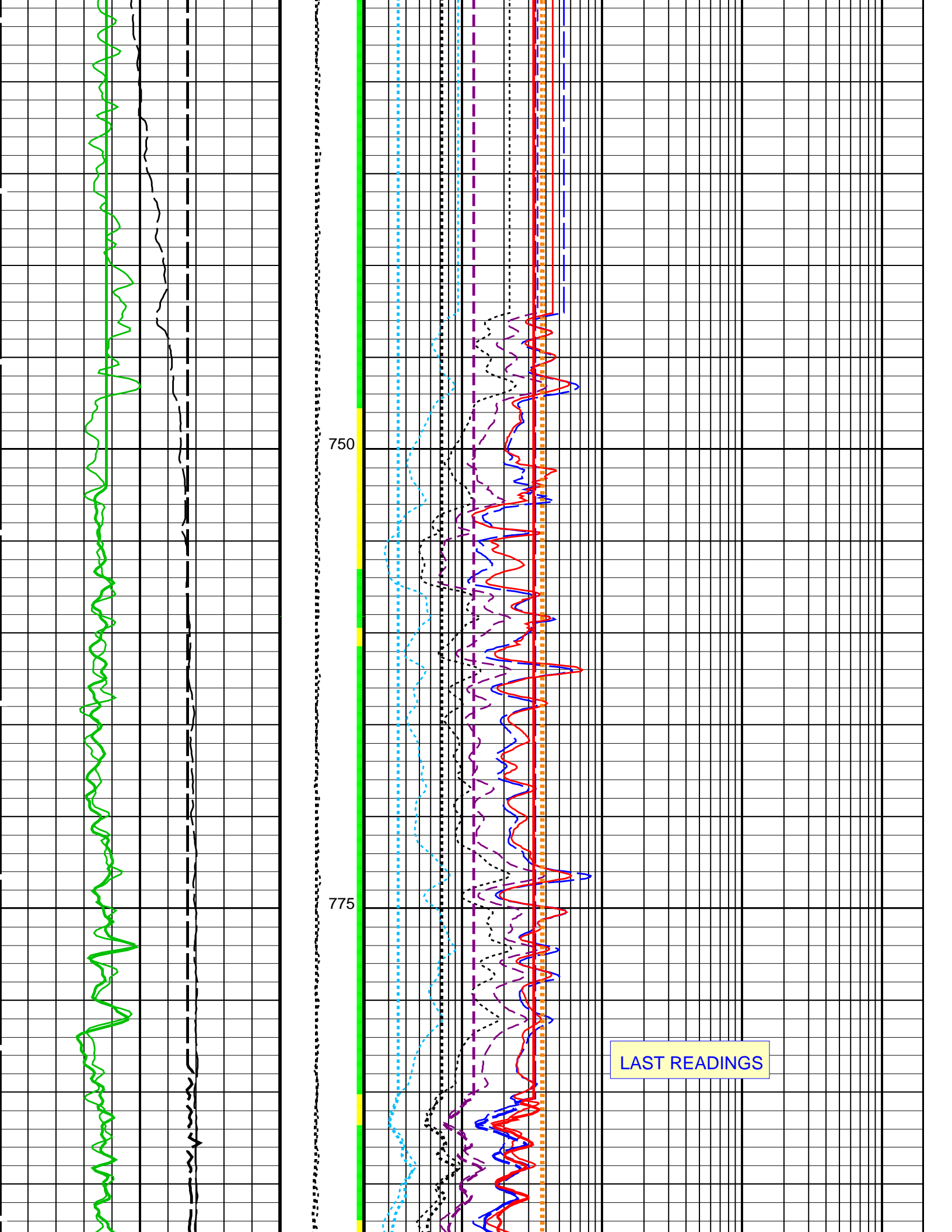
OP System Version: 14C0-302
MCM

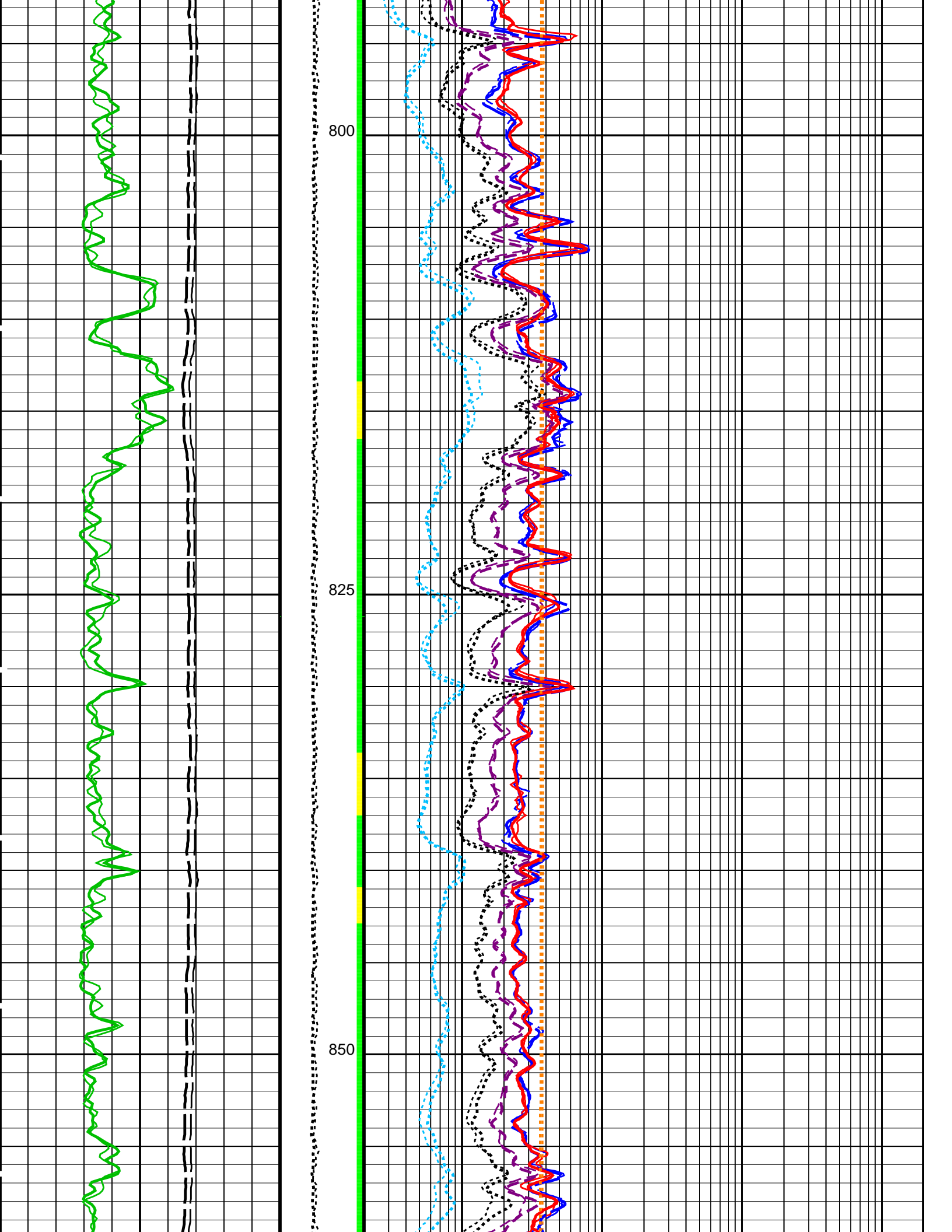
ZAIT-BA	SPC-3254-ZAIT-B_t	PPC2-B	SKK-3060-PPCB_b
APS-C	14C0-302	HRLT-B	14C0-302
EMS-B	14C0-302	GPIT-C	14C0-302
PPC1-B	SKK-3060-PPCB_b	EDTC-B	SKK-3248-EDTCB_b

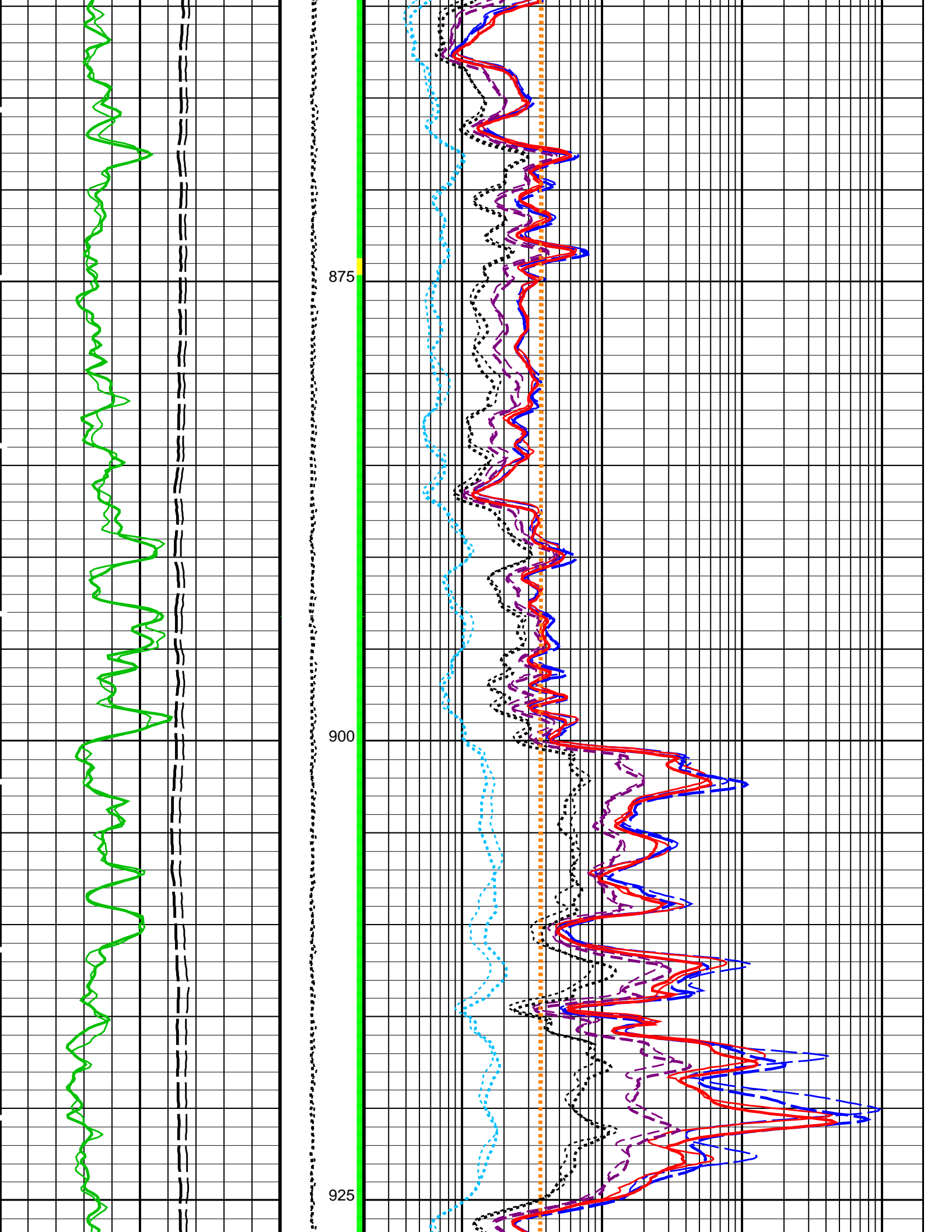
PIP SUMMARY

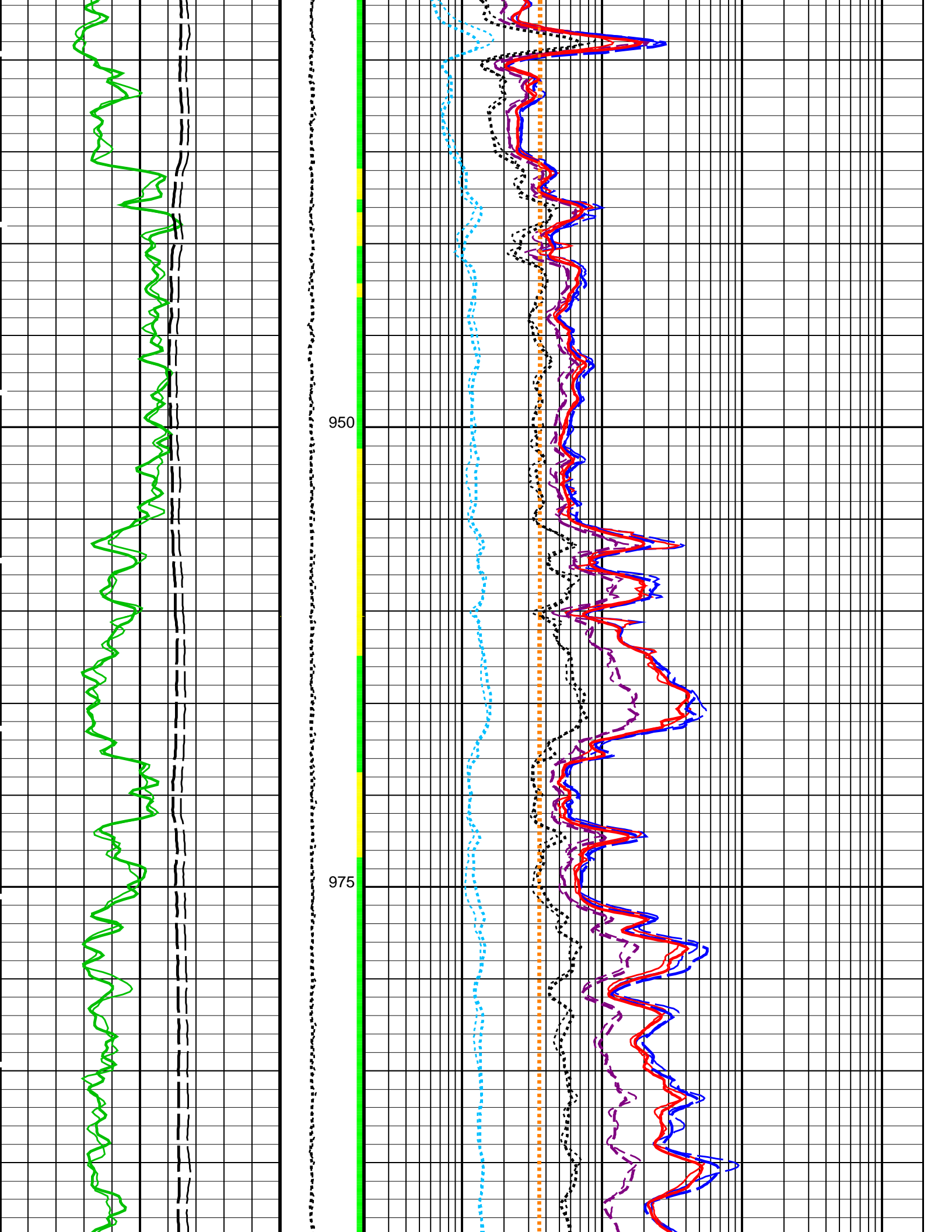
Time Mark Every 60 S

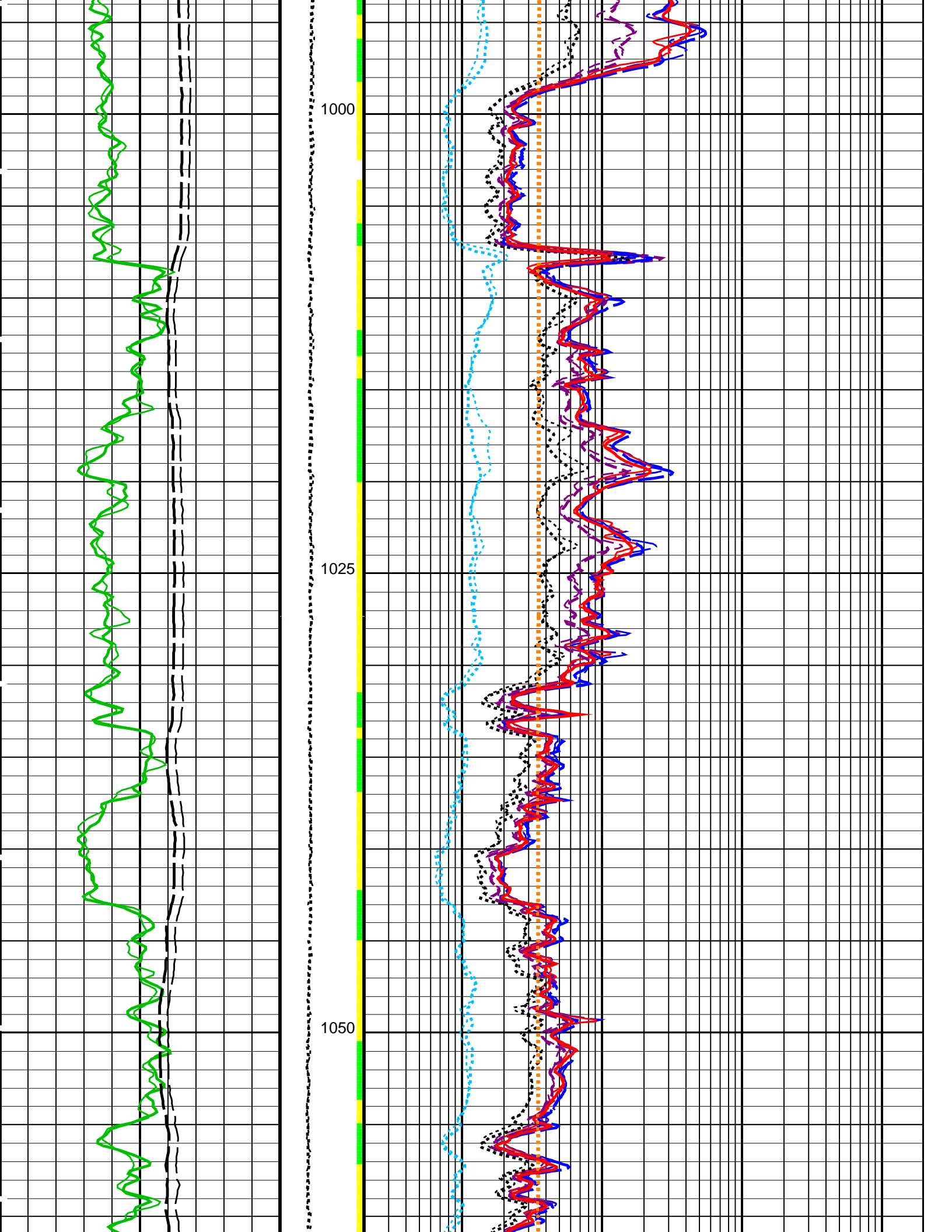


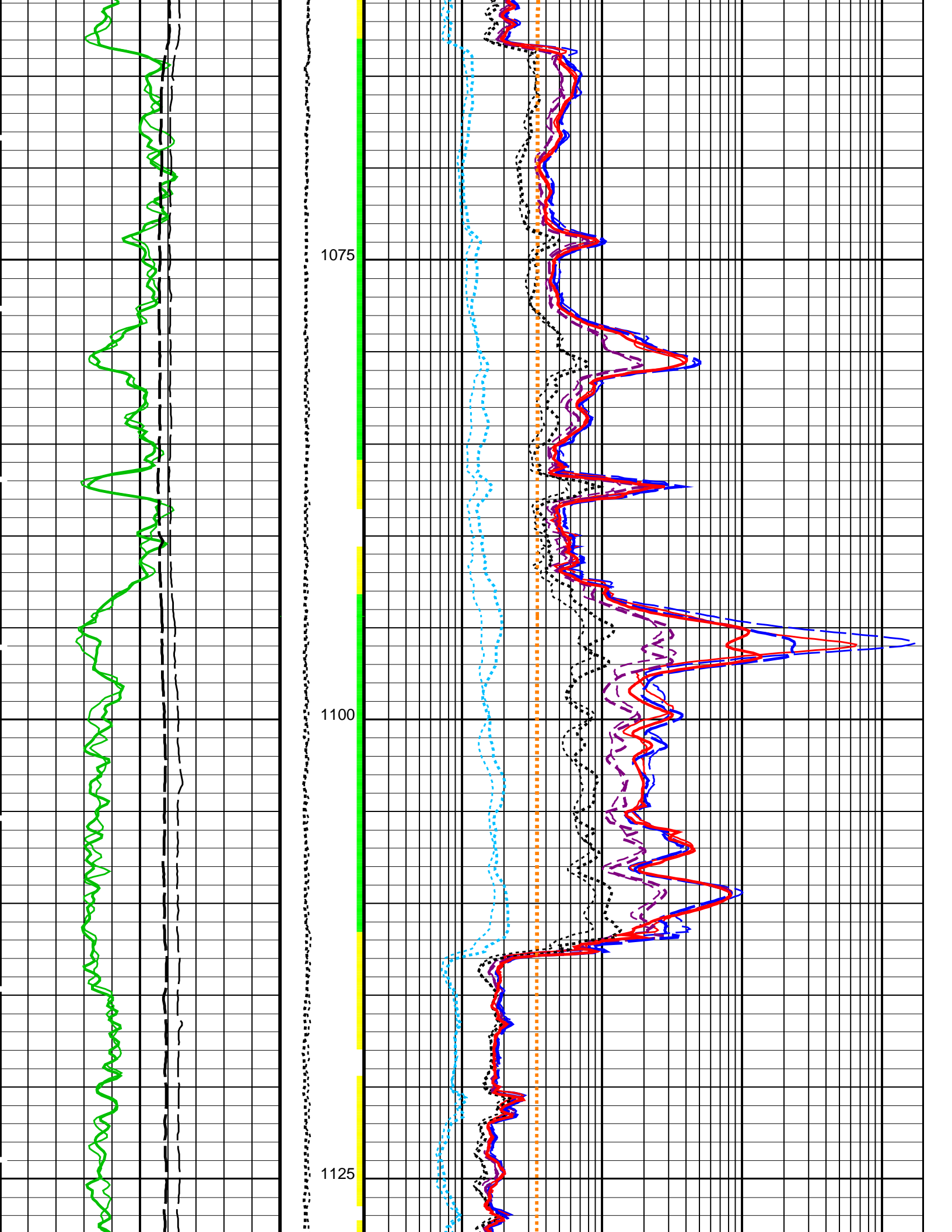


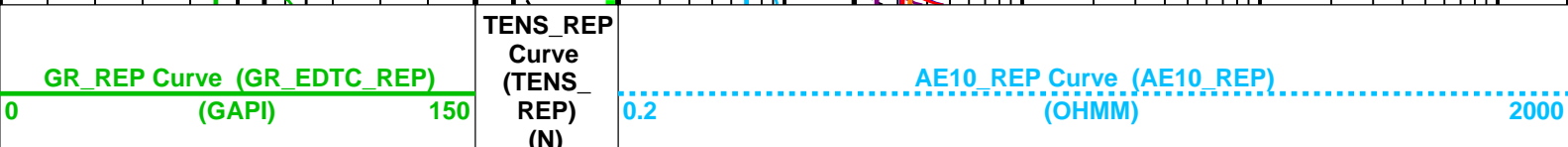
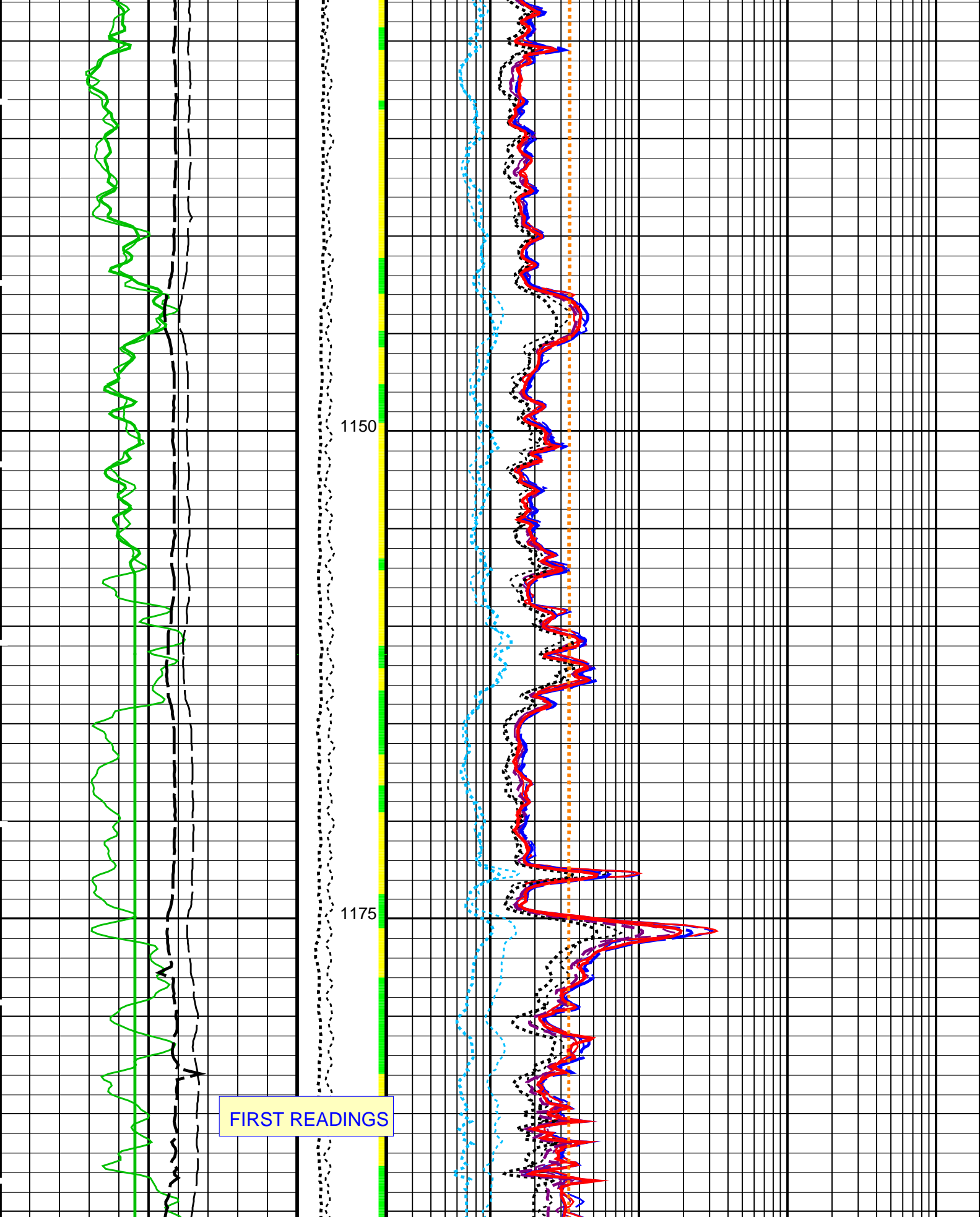


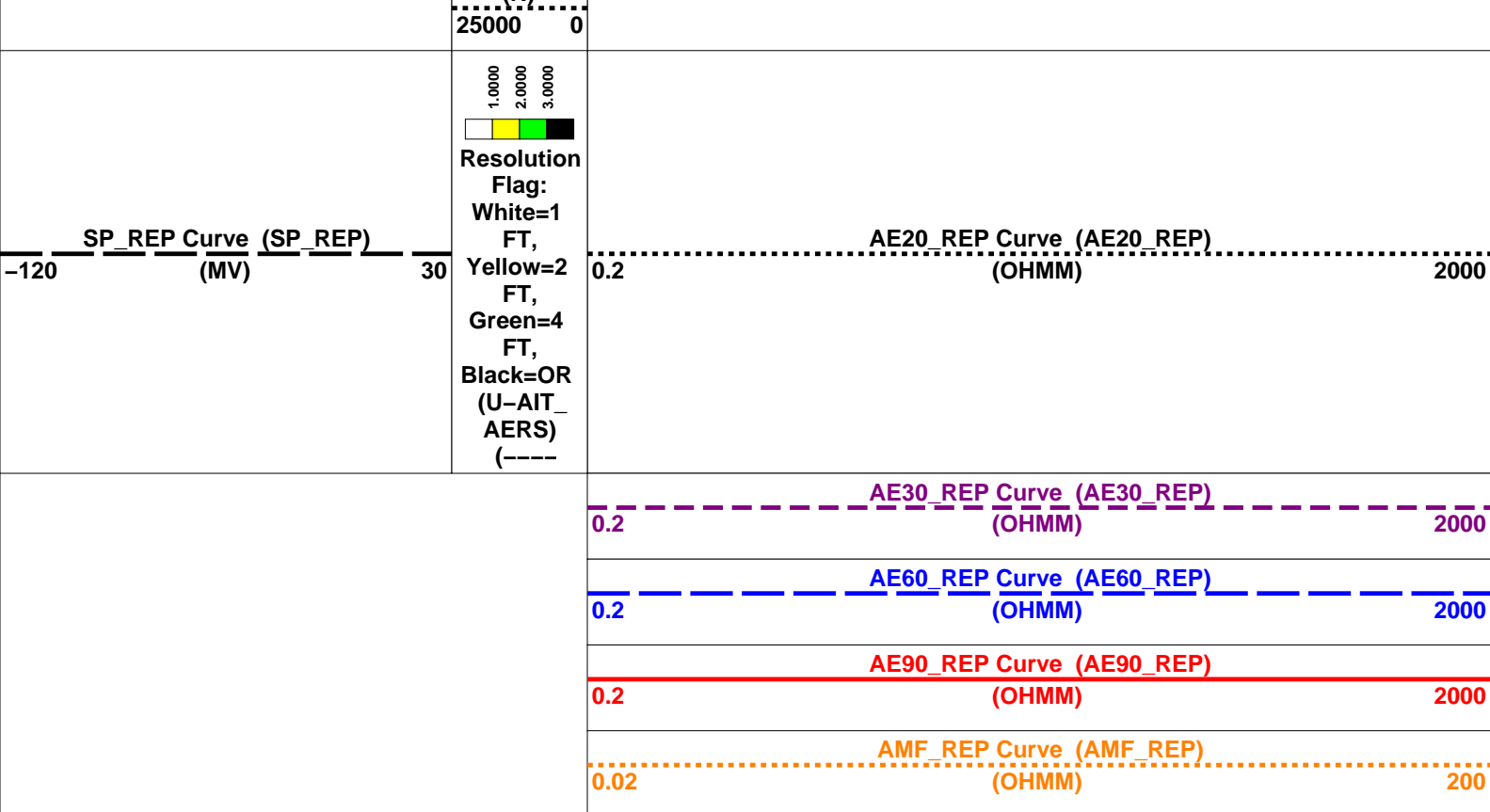












PIP SUMMARY

Time Mark Every 60 S

ZAiT Answer Product Processing Summary. Data taken with sonde # 2

***** Bhole Correction *****

Effective Tool Standoff computed. Borehole diameter and mud res. taken as input (see GCSE and GRSE parameters)
Tool is run in ECCENTERED mode with a tool stand-off of 2.50 IN. Bit Size is 361.95 MM.

***** Input Selections to ZAIT Answer Product processing *****

Caliper (GCSE): HD1_PPC2 Mud Resistivity (GRSE): AMF Temperature (GTSE): LINEAR_ESTIMATE Porosity (FPHI): DPHZ

***** Other parameters used by ZAIT Answer Product processing *****

Surface Hole Temperature (SHT)	41.000 DEGF	Bottom Temperature (BHT)	47.700 DEGF
Total Depth (TD)	4298.000 FT		
Form Factor Exponent (FEXP)	2.000	Form Factor Numerator (FNUM)	1.000
Mud Filtrate Sample Resistivity (RMFS)	0.120 OHMM	Mud Filtrate Sample Temperature (MFST)	18.800 DEGC
Resitivity Connate Water (RW)	1.000 OHMM		

***** ZAIT Answer Product processing control parameters *****

Playback Mode: RECOMPUTE

Parameters

(AEBC): Yes (AEBL): Yes (AERP): Yes

Parameter Name	Description	Value
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ZAiT-BA: 3-D Array Induction Tool – ZAIT–

ABLM	Array Induction Basic Logs Mode	6_One_Two_and_Four
ABLV	Array Induction Basic Logs Code Version Number	212
ACDE	Array Induction Casing Detection Enable	No
ACSED	Array Induction Casing Shoe Estimated Depth	-50000 FT
AFRSV	Array Induction Response Set Version for Four ft Resolution	40.70.24.20
AORSV	Array Induction Response Set Version for One ft Resolution	40.70.24.20
ARFV	Array Induction Radial Profiling Code Version Number	701
ARPV	Array Induction Radial Parametrization Code Version Number	232
ATRSV	Array Induction Response Set Version for Two ft Resolution	40.70.24.20
BHT	Bottom Hole Temperature (used in calculations)	47.7 DEGF
FEXP	Form Factor Exponent	2
FNUM	Form Factor Numerator	1
GCSE	Generalized Caliper Selection	HD1_PPC2
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.01 DF/F
GRSE	Generalized Mud Resistivity Selection	ZAiT_RESIST
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
SHT	Surface Hole Temperature	41 DEGF
SPNV	SP Next Value	0 MV
TRIBHM	3D Induction Borehole Correction Mode	1_ComputeStandoff

TRIBHV	Array Induction Borehole Correction Code Version Number	167	
TRIRSV	3D Induction Response Set Version	00.10.24.00	
TRIRT	3D Rotation Selector	North	
TRISTA	3D Tool Standoff	2.5	IN
APS-C: Accelerator-Porosity Tool			
BHT	Bottom Hole Temperature (used in calculations)	47.7	DEGF
GCSE	Generalized Caliper Selection	HD1_PPC2	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	ZAIT_RESIST	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	41	DEGF
HRLT-B: High Resolution Laterolog Array - E			
BHT	Bottom Hole Temperature (used in calculations)	47.7	DEGF
GCSE	Generalized Caliper Selection	HD1_PPC2	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	ZAIT_RESIST	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	41	DEGF
EDTC-B: Enhanced DTS Cartridge			
BHT	Bottom Hole Temperature (used in calculations)	47.7	DEGF
GCSE	Generalized Caliper Selection	HD1_PPC2	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	ZAIT_RESIST	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	41	DEGF
System and Miscellaneous			
BS	Bit Size	361.950	MM
DFD	Drilling Fluid Density	1115.00	K/M3
DO	Depth Offset for Playback	0.0	M
DORL	Depth Offset for Repeat Analysis	0.0	M
MST	Mud Sample Temperature	19.70	DEGC
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	4298	FT

Format: ZAIT_Log_REP Vertical Scale: 1:240 Graphics File Created: 06-Mar-2007 14:16

OP System Version: 14C0-302

MCM

ZAIT-BA	SPC-3254-ZAIT-B_t	PPC2-B	SKK-3060-PPCB_b
APS-C	14C0-302	HRLT-B	14C0-302
EMS-B	14C0-302	GPIT-C	14C0-302
PPC1-B	SKK-3060-PPCB_b	EDTC-B	SKK-3248-EDTCB_b

Input DLIS Files

DEFAULT	AIT_CAL_APS_HRLA_081PUP	FN:92	PRODUCER	06-Mar-2007 13:57	1190.4 M	716.0 M
DEFAULT	AIT_CAL_APS_HRLA_070PUP	FN:78	PRODUCER	06-Mar-2007 12:43	1295.2 M	557.0 M

Output DLIS Files

DEFAULT	AIT_CAL_APS_HRLA_085PUP	FN:98	PRODUCER	06-Mar-2007 14:16
CLIENT_DATA_NOA	AIT_CAL_APS_HRLA_085PUP	FN:99	PRODUCER	06-Mar-2007 14:16

Schlumberger

CALIBRATIONS

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
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Thru Cal Magnitude – 0	0	1.345	1.345	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 1	0	1.336	1.342	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 2	0	1.387	1.387	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 3	0	3.071	3.081	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 4	0	3.051	3.073	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 5	0	3.167	3.175	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 6	0	2.477	2.486	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 7	0	2.461	2.480	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 8	0	2.559	2.566	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 9	0	1.623	1.648	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 10	0	1.634	1.677	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 11	0	1.796	1.826	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 12	0	3.239	3.240	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 13	0	3.221	3.236	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 14	0	3.346	3.344	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 15	0	2.606	2.648	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 16	0	2.624	2.694	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 17	0	2.884	2.933	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 18	0	0.8449	0.8455	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 19	0	0.8402	0.8443	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 20	0	0.8631	0.8636	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 21	0	3.452	3.512	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 22	0	3.476	3.573	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 23	0	3.821	3.890	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 24	0	1.224	1.228	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 25	0	1.217	1.226	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 26	0	1.250	1.254	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 27	0	3.452	3.512	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 28	0	3.476	3.573	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 29	0	3.821	3.890	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 30	0	1.223	1.227	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 31	0	1.216	1.225	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 32	0	1.250	1.253	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 33	0	0.9808	0.9989	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 34	0	0.9876	1.017	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 35	0	1.071	1.092	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 36	0	1.447	1.453	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 37	0	1.439	1.451	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 38	0	1.474	1.481	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 39	0	1.178	1.200	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 40	0	1.186	1.221	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 41	0	1.286	1.312	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 42	0	2.090	2.099	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 43	0	2.079	2.096	N/A	N/A	N/A	MM/M
Thru Cal Magnitude – 44	0	2.129	2.139	N/A	N/A	N/A	MM/M
Thru Cal Phase – 0	0	-174.6	-170.3	N/A	N/A	N/A	DEG
Thru Cal Phase – 1	0	-170.2	-165.5	N/A	N/A	N/A	DEG
Thru Cal Phase – 2	0	-177.4	-170.7	N/A	N/A	N/A	DEG
Thru Cal Phase – 3	0	-176.6	-172.6	N/A	N/A	N/A	DEG
Thru Cal Phase – 4	0	-172.3	-167.8	N/A	N/A	N/A	DEG
Thru Cal Phase – 5	0	-179.4	-173.0	N/A	N/A	N/A	DEG
Thru Cal Phase – 6	0	177.8	-178.1	N/A	N/A	N/A	DEG
Thru Cal Phase – 7	0	-177.9	-173.3	N/A	N/A	N/A	DEG
Thru Cal Phase – 8	0	175.0	-178.4	N/A	N/A	N/A	DEG
Thru Cal Phase – 9	0	-72.00	-68.66	N/A	N/A	N/A	DEG
Thru Cal Phase – 10	0	-60.73	-56.78	N/A	N/A	N/A	DEG
Thru Cal Phase – 11	0	-72.15	-66.48	N/A	N/A	N/A	DEG
Thru Cal Phase – 12	0	-174.8	-170.5	N/A	N/A	N/A	DEG
Thru Cal Phase – 13	0	-170.5	-165.8	N/A	N/A	N/A	DEG
Thru Cal Phase – 14	0	-177.6	-171.0	N/A	N/A	N/A	DEG
Thru Cal Phase – 15	0	-72.38	-69.02	N/A	N/A	N/A	DEG
Thru Cal Phase – 16	0	-61.11	-57.16	N/A	N/A	N/A	DEG
Thru Cal Phase – 17	0	-72.56	-66.88	N/A	N/A	N/A	DEG
Thru Cal Phase – 18	0	-174.3	-170.0	N/A	N/A	N/A	DEG
Thru Cal Phase – 19	0	-170.0	-165.3	N/A	N/A	N/A	DEG
Thru Cal Phase – 20	0	-177.4	-170.6	N/A	N/A	N/A	DEG
Thru Cal Phase – 21	0	-72.91	-69.65	N/A	N/A	N/A	DEG
Thru Cal Phase – 22	0	-61.64	-57.79	N/A	N/A	N/A	DEG
Thru Cal Phase – 23	0	-73.08	-67.48	N/A	N/A	N/A	DEG
Thru Cal Phase – 24	0	-177.2	-173.1	N/A	N/A	N/A	DEG
Thru Cal Phase – 25	0	-172.9	-168.4	N/A	N/A	N/A	DEG
Thru Cal Phase – 26	0	179.7	-173.8	N/A	N/A	N/A	DEG
Thru Cal Phase – 27	0	-72.91	-69.64	N/A	N/A	N/A	DEG
Thru Cal Phase – 28	0	-61.64	-57.78	N/A	N/A	N/A	DEG
Thru Cal Phase – 29	0	-73.11	-67.50	N/A	N/A	N/A	DEG
Thru Cal Phase – 30	0	-177.2	-173.1	N/A	N/A	N/A	DEG
Thru Cal Phase – 31	0	-172.9	-168.4	N/A	N/A	N/A	DEG
Thru Cal Phase – 32	0	179.7	-173.8	N/A	N/A	N/A	DEG

Thru Cal Phase – 33	0	-76.79	-73.46	N/A	N/A	N/A	DEG
Thru Cal Phase – 34	0	-65.38	-61.41	N/A	N/A	N/A	DEG
Thru Cal Phase – 35	0	-77.45	-71.74	N/A	N/A	N/A	DEG
Thru Cal Phase – 36	0	176.7	-179.1	N/A	N/A	N/A	DEG
Thru Cal Phase – 37	0	-179.0	-174.5	N/A	N/A	N/A	DEG
Thru Cal Phase – 38	0	173.6	-179.9	N/A	N/A	N/A	DEG
Thru Cal Phase – 39	0	-76.61	-73.28	N/A	N/A	N/A	DEG
Thru Cal Phase – 40	0	-65.22	-61.24	N/A	N/A	N/A	DEG
Thru Cal Phase – 41	0	-77.31	-71.58	N/A	N/A	N/A	DEG
Thru Cal Phase – 42	0	177.4	-178.5	N/A	N/A	N/A	DEG
Thru Cal Phase – 43	0	-178.3	-173.8	N/A	N/A	N/A	DEG
Thru Cal Phase – 44	0	174.2	-179.1	N/A	N/A	N/A	DEG

3-D Array Induction Tool – ZAIT–B Wellsite Calibration – Electronics Calibration Check – Auxilliary

Master: 29-Jan-2007 15:32 Before: 6-Mar-2007 10:03

Array Induction SPA Plus	0.8360	0.8436	0.8439	N/A	N/A	N/A	V
Array Induction SPA Zero	0	-0.0007702	-0.0008081	N/A	N/A	N/A	V
Array Induction Temperature PI	0.9798	0.9906	0.9913	N/A	N/A	N/A	V
Array Induction Temperature Ze	0	-0.001124	-0.001140	N/A	N/A	N/A	V
Array Induction CalSig Plus	5.000	5.015	5.017	N/A	N/A	N/A	V
Array Induction CalSig Zero	0	-0.01105	-0.01122	N/A	N/A	N/A	V
Array Induction Volt Plus	2.500	5.014	12.04	N/A	N/A	N/A	V
Array Induction Volt Zero	0	-0.01105	-0.02693	N/A	N/A	N/A	V

3-D Array Induction Tool – ZAIT–B Wellsite Calibration – Sonde Error Correction

Master: 29-Jan-2007 15:32

R Sonde Error Correction – 0	0	20.92	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 1	0	754.2	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 2	0	-1325	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 3	0	33.96	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 4	0	154.4	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 5	0	85.67	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 6	0	63.31	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 7	0	148.3	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 8	0	90.72	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 9	0	-492.9	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 10	0	18.30	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 11	0	-119.2	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 12	0	-6.887	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 13	0	-394.3	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 14	0	65.79	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 15	0	52.97	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 16	0	87.06	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 17	0	-85.69	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 18	0	-264.4	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 19	0	2.997	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 20	0	-67.21	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 21	0	-2.146	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 22	0	-171.0	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 23	0	2.315	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 24	0	43.68	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 25	0	57.55	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 26	0	-78.64	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 27	0	-324.3	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 28	0	6.777	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 29	0	-20.82	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 30	0	11.65	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 31	0	-333.3	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 32	0	48.80	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 33	0	5.421	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 34	0	-1.054	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 35	0	124.1	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 36	0	-319.1	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 37	0	6.994	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 38	0	0.5654	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 39	0	1.085	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 40	0	-323.3	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 41	0	15.87	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 42	0	-0.8276	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 43	0	0.7432	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 44	0	47.85	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 45	0	-15.48	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 46	0	-9.021	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 47	0	-31.66	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 48	0	11.94	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 49	0	-17.19	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 50	0	18.09	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 51	0	5.572	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 52	0	8.875	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 53	0	59.44	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 54	0	-2.308	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 55	0	1.336	N/A	N/A	N/A	N/A	MM/M

R Sonde Error Correction – 55	0	-1.336	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 56	0	-1.396	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 57	0	0.9340	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 58	0	1.078	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 59	0	6.561	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 60	0	4.802	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 61	0	5.034	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 62	0	26.23	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 63	0	-2.579	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 64	0	29.50	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 65	0	-15.76	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 66	0	-19.63	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 67	0	-0.2565	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 68	0	3.726	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 69	0	-6.196	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 70	0	-0.5899	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 71	0	22.25	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 72	0	0.3745	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 73	0	1.286	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 74	0	-1.035	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 75	0	-1.570	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 76	0	2.299	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 77	0	1.771	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 78	0	0.7233	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 79	0	0.7604	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 80	0	10.68	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 81	0	-15.45	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 82	0	-8.384	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 83	0	-11.00	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 84	0	13.94	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 85	0	-15.01	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 86	0	4.540	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 87	0	-0.8786	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 88	0	2.126	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 89	0	3.597	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 90	0	-12.18	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 91	0	-2.645	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 92	0	-1.279	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 93	0	2.192	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 94	0	-10.83	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 95	0	1.041	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 96	0	0.9281	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 97	0	0.2935	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 98	0	3.097	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 99	0	-41.39	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 100	0	15.87	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 101	0	-6.421	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 102	0	-11.33	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 103	0	-45.67	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 104	0	-0.1936	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 105	0	1.150	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 106	0	-1.690	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 107	0	-2.731	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 108	0	-40.59	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 109	0	3.576	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 110	0	-0.6722	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 111	0	-3.843	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 112	0	-42.31	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 113	0	-0.1958	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 114	0	1.999	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 115	0	-0.4481	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 116	0	2.266	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 0	0	5052	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 1	0	8939	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 2	0	-103.9	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 3	0	2129	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 4	0	830.1	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 5	0	-295.1	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 6	0	700.2	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 7	0	567.0	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 8	0	-25.51	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 9	0	-220.7	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 10	0	-581.3	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 11	0	994.5	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 12	0	1033	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 13	0	-632.1	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 14	0	101.5	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 15	0	-554.7	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 16	0	-705.2	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 17	0	221.6	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 18	0	-380.3	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 19	0	-278.9	N/A	N/A	N/A	N/A	MM/M

X Sonde Error Correction – 20	0	485.0	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 21	0	513.5	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 22	0	-557.7	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 23	0	48.64	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 24	0	-300.7	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 25	0	-369.9	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 26	0	74.67	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 27	0	722.8	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 28	0	-93.67	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 29	0	251.6	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 30	0	-837.1	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 31	0	829.5	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 32	0	442.1	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 33	0	-174.6	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 34	0	-100.0	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 35	0	-78.95	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 36	0	421.2	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 37	0	-48.20	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 38	0	122.2	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 39	0	-417.3	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 40	0	470.6	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 41	0	227.7	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 42	0	-78.56	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 43	0	-45.15	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 44	0	-9.689	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 45	0	2082	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 46	0	368.4	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 47	0	780.9	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 48	0	-416.4	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 49	0	1985	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 50	0	139.9	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 51	0	784.0	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 52	0	-98.90	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 53	0	-19.65	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 54	0	1017	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 55	0	188.6	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 56	0	388.1	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 57	0	-209.3	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 58	0	968.0	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 59	0	72.00	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 60	0	391.0	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 61	0	-48.64	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 62	0	2.136	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 63	0	635.4	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 64	0	-951.4	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 65	0	180.9	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 66	0	918.5	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 67	0	611.6	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 68	0	30.84	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 69	0	286.1	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 70	0	-46.72	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 71	0	18.34	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 72	0	262.4	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 73	0	-472.1	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 74	0	86.88	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 75	0	457.0	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 76	0	250.6	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 77	0	17.22	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 78	0	139.4	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 79	0	-23.30	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 80	0	16.27	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 81	0	315.8	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 82	0	586.9	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 83	0	112.2	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 84	0	-578.9	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 85	0	295.3	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 86	0	-83.63	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 87	0	7.633	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 88	0	-185.6	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 89	0	20.93	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 90	0	84.33	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 91	0	298.5	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 92	0	55.94	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 93	0	-297.9	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 94	0	74.61	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 95	0	-40.80	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 96	0	3.809	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 97	0	-91.97	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 98	0	14.05	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 99	0	152.7	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 100	0	-416.8	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 101	0	42.07	N/A	N/A	N/A	N/A	MM/M

X Sonde Error Correction – 101	0	-42.07	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 102	0	450.4	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 103	0	156.3	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 104	0	-17.73	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 105	0	-3.397	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 106	0	24.17	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 107	0	55.88	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 108	0	126.8	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 109	0	-220.5	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 110	0	-21.33	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 111	0	234.5	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 112	0	128.4	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 113	0	-4.797	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 114	0	-1.614	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 115	0	14.76	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 116	0	8.951	N/A	N/A	N/A	N/A	MM/M

Powered Positioning Device/Caliper 2 Wellsite Calibration – PPC2 Caliper Calibration

Before: 5–Mar–2007 19:34

PPC2 Radius 1 Raw Small Radius	88.90	N/A	139.6	N/A	N/A	12.70	MM
PPC2 Radius 1 Raw Large Radius	203.2	N/A	245.1	N/A	N/A	12.70	MM
PPC2 Radius 2 Raw Small Radius	88.90	N/A	59.05	N/A	N/A	12.70	MM
PPC2 Radius 2 Raw Large Radius	203.2	N/A	169.2	N/A	N/A	12.70	MM
PPC2 Radius 3 Raw Small Radius	88.90	N/A	135.0	N/A	N/A	12.70	MM
PPC2 Radius 3 Raw Large Radius	203.2	N/A	242.2	N/A	N/A	12.70	MM
PPC2 Radius 4 Raw Small Radius	88.90	N/A	75.27	N/A	N/A	12.70	MM
PPC2 Radius 4 Raw Large Radius	203.2	N/A	186.6	N/A	N/A	12.70	MM

Accelerator–Porosity Tool Wellsite Calibration – Detector Background

Master: 12–Jan–2007 23:16 Before: 5–Mar–2007 14:09

Near Det Bkg Cntrate	30.00	26.50	25.71	N/A	N/A	N/A	CPS
Far Det Bkg Cntrate	30.00	25.93	25.16	N/A	N/A	N/A	CPS
Array–1 Det Bkg Cntrate	30.00	26.01	25.06	N/A	N/A	N/A	CPS
Array–2 Det Bkg Cntrate	30.00	26.06	25.75	N/A	N/A	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	25.75	25.43	N/A	N/A	N/A	CPS

Accelerator–Porosity Tool Wellsite Calibration – Calibration Ratios

Master: 12–Jan–2007 23:16

Near/Far Calibration Ratio	0.9250	0.9971	N/A	N/A	N/A	N/A	
Near/Array Calibration Ratio	1.030	1.039	N/A	N/A	N/A	N/A	
Near/Array Cal Ratio Up/Down	1.000	1.011	N/A	N/A	N/A	N/A	

Accelerator–Porosity Tool Wellsite Calibration – Tank Check

Master: 12–Jan–2007 23:16

Array–1 Standoff Porosity	0.1175	0.1109	N/A	N/A	N/A	N/A	V/V
Array–2 Standoff Porosity	0.1175	0.1131	N/A	N/A	N/A	N/A	V/V
Average Slowing Down Time	6.000	5.901	N/A	N/A	N/A	N/A	US
Array–1 SDT Ratio Up/Down	1.000	0.9697	N/A	N/A	N/A	N/A	
Array–2 SDT Ratio Up/Down	1.000	0.9845	N/A	N/A	N/A	N/A	
Sigma Formation	2.750	2.723	N/A	N/A	N/A	N/A	M–1

Accelerator–Porosity Tool Wellsite Calibration – CCR7 signal boxes

Master: 12–Jan–2007 23:16

Near Detector Plateau Setting	1650	1728	N/A	N/A	N/A	N/A	V
Far Detector Plateau Setting	2000	2061	N/A	N/A	N/A	N/A	V
Array Detector Plateau Setting	2000	1968	N/A	N/A	N/A	N/A	V

High Resolution Laterolog Array – B Wellsite Calibration – HRLT M01

Before: 6–Mar–2007 11:09

HRLT M0–M1 Voltage Plus – 0	0	N/A	-317.8	N/A	N/A	9.681	UV
HRLT M0–M1 Voltage Plus – 1	0	N/A	-325.7	N/A	N/A	9.681	UV
HRLT M0–M1 Voltage Plus – 2	0	N/A	-320.0	N/A	N/A	9.681	UV
HRLT M0–M1 Voltage Plus – 3	0	N/A	-326.9	N/A	N/A	9.681	UV
HRLT M0–M1 Voltage Plus – 4	0	N/A	-316.2	N/A	N/A	9.681	UV
HRLT M0–M1 Voltage Plus – 5	0	N/A	-320.8	N/A	N/A	9.681	UV
HRLT M0–M1 Voltage Plus – 6	0	N/A	347.6	N/A	N/A	9.681	UV
HRLT M0–M1 Voltage Plus – 7	0	N/A	-322.7	N/A	N/A	9.681	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT M12

Before: 6–Mar–2007 11:09

HRLT M1–M2 Voltage Plus – 0	0	N/A	1751	N/A	N/A	53.42	UV
HRLT M1–M2 Voltage Plus – 1	0	N/A	1806	N/A	N/A	53.42	UV
HRLT M1–M2 Voltage Plus – 2	0	N/A	1766	N/A	N/A	53.42	UV
HRLT M1–M2 Voltage Plus – 3	0	N/A	1801	N/A	N/A	53.42	UV
HRLT M1–M2 Voltage Plus – 4	0	N/A	1740	N/A	N/A	53.42	UV
HRLT M1–M2 Voltage Plus – 5	0	N/A	1765	N/A	N/A	53.42	UV
HRLT M1–M2 Voltage Plus – 6	0	N/A	-1936	N/A	N/A	53.42	UV
HRLT M1–M2 Voltage Plus – 7	0	N/A	1781	N/A	N/A	53.42	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT M23

Before: 6–Mar–2007 11:09

HRLT M2–M3 Voltage Plus – 0	0	N/A	1735	N/A	N/A	53.42	UV
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HRLT M2-M3 Voltage Plus - 1	0	N/A	1799	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 2	0	N/A	1761	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 3	0	N/A	1801	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 4	0	N/A	1734	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 5	0	N/A	1760	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 6	0	N/A	-1916	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 7	0	N/A	1781	N/A	N/A	53.42	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V34

Before: 6-Mar-2007 11:09

HRLT A3-A4 Voltage Plus - 0	0	N/A	68490	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 1	0	N/A	70610	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 2	0	N/A	69450	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 3	0	N/A	71320	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 4	0	N/A	68690	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 5	0	N/A	69780	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 6	0	N/A	-74180	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V45

Before: 6-Mar-2007 11:09

HRLT A4-A5 Voltage Plus - 0	0	N/A	68340	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 1	0	N/A	71060	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 2	0	N/A	69750	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 3	0	N/A	71490	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 4	0	N/A	68650	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 5	0	N/A	69660	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 6	0	N/A	-74690	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V56

Before: 6-Mar-2007 11:09

HRLT A5-A6 Voltage Plus - 0	0	N/A	68470	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 1	0	N/A	70830	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 2	0	N/A	69620	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 3	0	N/A	71420	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 4	0	N/A	68720	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 5	0	N/A	69750	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 6	0	N/A	-74430	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VTP

Before: 6-Mar-2007 11:09

HRLT Torpedo-M0 Voltage - 0	0	N/A	-68030	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-70740	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-69510	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-71360	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-68680	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-69760	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	74270	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 7	0	N/A	-70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VBD

Before: 6-Mar-2007 11:09

HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68090	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-70940	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-69700	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-71520	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-68780	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-69820	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	74500	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 7	0	N/A	-70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT ISO

Before: 6-Mar-2007 11:09

HRLT Source Current Plus - 0	0	N/A	283.5	N/A	N/A	8.520	UA
HRLT Source Current Plus - 1	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 2	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 3	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 4	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 5	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 6	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 7	0	N/A	281.1	N/A	N/A	8.520	UA

High Resolution Laterolog Array - B Wellsite Calibration - HRLT MV

Before: 6-Mar-2007 11:09

HRLT Vertical Voltage PI - 0	0	N/A	-320.2	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 1	0	N/A	-321.5	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 2	0	N/A	-314.6	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 3	0	N/A	-319.6	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 4	0	N/A	-306.4	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 5	0	N/A	325.7	N/A	N/A	9.681	UV

HRLT Vertical Voltage PI – 5	0	N/A	-325.7	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 6	0	N/A	356.3	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 7	0	N/A	-322.7	N/A	N/A	9.681	UV

Environment Measurement Sonde Wellsite Calibration – EMS Caliper Calibration

Before: 5–Mar–2007 14:59

Radius 1 Short Radius	101.6	N/A	99.22	N/A	N/A	5.080	MM
Radius 1 Long Radius	152.4	N/A	159.4	N/A	N/A	5.080	MM
Radius 2 Short Radius	152.4	N/A	165.6	N/A	N/A	5.080	MM
Radius 2 Long Radius	101.6	N/A	104.3	N/A	N/A	5.080	MM
Radius 3 Short Radius	101.6	N/A	94.45	N/A	N/A	5.080	MM
Radius 3 Long Radius	152.4	N/A	156.2	N/A	N/A	5.080	MM
Radius 4 Short Radius	152.4	N/A	161.6	N/A	N/A	5.080	MM
Radius 4 Long Radius	101.6	N/A	101.9	N/A	N/A	5.080	MM
Radius 5 Short Radius	101.6	N/A	95.89	N/A	N/A	5.080	MM
Radius 5 Long Radius	152.4	N/A	154.5	N/A	N/A	5.080	MM
Radius 6 Short Radius	152.4	N/A	156.3	N/A	N/A	5.080	MM
Radius 6 Long Radius	101.6	N/A	95.78	N/A	N/A	5.080	MM

General Purpose Inclinator Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY

Before: 6–Mar–2007 9:09

TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	6	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	1071	N/A	N/A	N/A	

General Purpose Inclinator Wellsite Calibration – CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY

Before: 6–Mar–2007 9:09

TEMPERATURE REFERENCE :	N/A	N/A	22	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	6	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	11	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	760	N/A	N/A	N/A	

Powered Positioning Device/Caliper 1 Wellsite Calibration – PPC1 Caliper Calibration

Before: 6–Mar–2007 4:43

PPC1 Radius 1 Raw Small Radius	88.90	N/A	137.5	N/A	N/A	12.70	MM
PPC1 Radius 1 Raw Large Radius	203.2	N/A	244.4	N/A	N/A	12.70	MM
PPC1 Radius 2 Raw Small Radius	88.90	N/A	55.65	N/A	N/A	12.70	MM
PPC1 Radius 2 Raw Large Radius	203.2	N/A	168.8	N/A	N/A	12.70	MM
PPC1 Radius 3 Raw Small Radius	88.90	N/A	136.3	N/A	N/A	12.70	MM
PPC1 Radius 3 Raw Large Radius	203.2	N/A	244.0	N/A	N/A	12.70	MM
PPC1 Radius 4 Raw Small Radius	88.90	N/A	63.71	N/A	N/A	12.70	MM
PPC1 Radius 4 Raw Large Radius	203.2	N/A	178.0	N/A	N/A	12.70	MM

Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration

Before: 6–Mar–2007 10:05

Gamma Ray (Jig – Bkg)	159.1	N/A	159.1	N/A	N/A	14.47	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration

Before: 6–Mar–2007 9:11

EDTC Z–Axis Acceleration	9.810	N/A	9.805	N/A	N/A	N/A	M/S2
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Accelerator–Porosity Tool – Detector Plateau Settings :

Near Detector Plateau Setting 1728 V
Far Detector Plateau Setting 2061 V
Array Detector Plateau Setting 1968 V

3–D Array Induction Tool – ZAIT–B / Equipment Identification

Primary Equipment:

Rm/SP Bottom Nose

3–D Array Induction Sonde

AHRM – A

AXIS – A

2

Auxiliary Equipment:

3–D Array Induction Tool – ZAIT–B Wellsite Calibration






























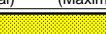














Electronics Calibration Check – Thru Cal Mag. & Phase

Idx	Phase	Value	Thru Cal Magnitude MM/M	Nominal	Value	Thru Cal Phase DEG	Nominal
0	Master	1.345		1.456	–174.6		0
	Before	1.345			–170.3		

3-D Array Induction Tool – ZAIT–B Wellsite Calibration								
Electronics Calibration Check – Auxilliary								
Phase	Array Induction SPA Plus V		Value	Phase	Array Induction SPA Zero V		Value	
Master			0.8436	Master			–0.0007702	
Before			0.8439	Before			–0.0008081	
0.7570 (Minimum)			0.8360 (Nominal)	–0.05000 (Minimum)			0 (Nominal)	0.05000 (Maximum)
Phase	Array Induction Temperature Plus V		Value	Phase	Array Induction Temperature Zero V		Value	
Master			0.9906	Master			–0.001124	
Before			0.9913	Before			–0.001140	
0.8800 (Minimum)			0.9798 (Nominal)	–0.05000 (Minimum)			0 (Nominal)	0.05000 (Maximum)
Phase	Array Induction CalSig Plus V		Value	Phase	Array Induction CalSig Zero V		Value	
Master			5.015	Master			–0.01105	
Before			5.017	Before			–0.01122	
4.500 (Minimum)			5.000 (Nominal)	–0.05000 (Minimum)			0 (Nominal)	0.05000 (Maximum)
Phase	Array Induction Volt Plus V		Value	Phase	Array Induction Volt Zero V		Value	
Master			5.014	Master			–0.01105	
Before			12.04	Before			–0.02693	
2.250 (Minimum)			2.500 (Nominal)	–0.05000 (Minimum)			0 (Nominal)	0.05000 (Maximum)
Master: 29-Jan-2007 15:32				Before: 6-Mar-2007 10:03				

3-D Array Induction Tool – ZAIT–B Wellsite Calibration							
Sonde Error Correction							
Idx	Value	R Sonde Error Correction MM/M			Value	X Sonde Error Correction MM/M	
0	20.92				5052		
		–2105 (Minimum)	351.3 (Nominal)	2808 (Maximum)		–33300 (Minimum)	0 (Nominal) 33300 (Maximum)
1	754.2				8939		
		–5042 (Minimum)	500.9 (Nominal)	6044 (Maximum)		–37570 (Minimum)	0 (Nominal) 37570 (Maximum)
2	–1325				–103.9		
		–2575 (Minimum)	–1399 (Nominal)	–222.3 (Maximum)		–2478 (Minimum)	0 (Nominal) 2478 (Maximum)
3	33.96				2129		
		–2398 (Minimum)	–112.1 (Nominal)	2174 (Maximum)		–7332 (Minimum)	0 (Nominal) 7332 (Maximum)
4	154.4				830.1		
		–1421 (Minimum)	124.3 (Nominal)	1670 (Maximum)		–6457 (Minimum)	0 (Nominal) 6457 (Maximum)
5	85.67				–295.1		
		–563.7 (Minimum)	64.70 (Nominal)	693.1 (Maximum)		–619.1 (Minimum)	0 (Nominal) 619.1 (Maximum)
6	63.31				700.2		
		–2295 (Minimum)	–206.4 (Nominal)	1882 (Maximum)		–5708 (Minimum)	0 (Nominal) 5708 (Maximum)
7	148.3				567.0		
		–1367 (Minimum)	138.2 (Nominal)	1644 (Maximum)		–2991 (Minimum)	0 (Nominal) 2991 (Maximum)
8	90.72				–25.51		
		–811.7 (Minimum)	141.5 (Nominal)	1095 (Maximum)		–372.1 (Minimum)	0 (Nominal) 372.1 (Maximum)
9	–492.9				–220.7		
		–3068 (Minimum)	–97.15 (Nominal)	2874 (Maximum)		–4300 (Minimum)	0 (Nominal) 4300 (Maximum)
10	18.30				–581.3		
		–798.0 (Minimum)	1.896 (Nominal)	801.8 (Maximum)		–12390 (Minimum)	0 (Nominal) 12390 (Maximum)

	-119.2			994.5		
	-770.9 (Minimum)	23.35 (Nominal)	817.6 (Maximum)	-4594 (Minimum)	0 (Nominal)	4594 (Maximum)
12	-6.887			1033		
	-734.3 (Minimum)	14.37 (Nominal)	763.0 (Maximum)	-11510 (Minimum)	0 (Nominal)	11510 (Maximum)
13	-394.3			-632.1		
	-2770 (Minimum)	-241.5 (Nominal)	2287 (Maximum)	-2410 (Minimum)	0 (Nominal)	2410 (Maximum)
14	65.79			101.5		
	-570.4 (Minimum)	31.47 (Nominal)	633.4 (Maximum)	-4653 (Minimum)	0 (Nominal)	4653 (Maximum)
15	52.97			-554.7		
	-2241 (Minimum)	-108.3 (Nominal)	2024 (Maximum)	-5251 (Minimum)	0 (Nominal)	5251 (Maximum)
16	87.06			-705.2		
	-1029 (Minimum)	43.50 (Nominal)	1116 (Maximum)	-6660 (Minimum)	0 (Nominal)	6660 (Maximum)
17	-85.69			221.6		
	-471.1 (Minimum)	-41.64 (Nominal)	387.8 (Maximum)	-287.3 (Minimum)	0 (Nominal)	287.3 (Maximum)
18	-264.4			-380.3		
	-3236 (Minimum)	-34.30 (Nominal)	3167 (Maximum)	-1971 (Minimum)	0 (Nominal)	1971 (Maximum)
19	2.997			-278.9		
	-508.2 (Minimum)	-31.06 (Nominal)	446.1 (Maximum)	-8843 (Minimum)	0 (Nominal)	8843 (Maximum)
20	-67.21			485.0		
	-990.0 (Minimum)	78.40 (Nominal)	1147 (Maximum)	-2886 (Minimum)	0 (Nominal)	2886 (Maximum)
21	-2.146			513.5		
	-332.1 (Minimum)	27.84 (Nominal)	387.8 (Maximum)	-7605 (Minimum)	0 (Nominal)	7605 (Maximum)
22	-171.0			-557.7		
	-1710 (Minimum)	-171.8 (Nominal)	1367 (Maximum)	-1006 (Minimum)	0 (Nominal)	1006 (Maximum)
23	2.315			48.64		
	-700.5 (Minimum)	-7.184 (Nominal)	686.2 (Maximum)	-2778 (Minimum)	0 (Nominal)	2778 (Maximum)
24	43.68			-300.7		
	-2238 (Minimum)	-131.8 (Nominal)	1975 (Maximum)	-4019 (Minimum)	0 (Nominal)	4019 (Maximum)
25	57.55			-369.9		
	-888.1 (Minimum)	60.98 (Nominal)	1010 (Maximum)	-3802 (Minimum)	0 (Nominal)	3802 (Maximum)
26	-78.64			74.67		
	-568.8 (Minimum)	-98.79 (Nominal)	371.2 (Maximum)	-150.9 (Minimum)	0 (Nominal)	150.9 (Maximum)
27	-324.3			722.8		
	-2660 (Minimum)	-247.8 (Nominal)	2164 (Maximum)	-1619 (Minimum)	0 (Nominal)	1619 (Maximum)
28	6.777			-93.67		
	-311.9 (Minimum)	19.89 (Nominal)	351.7 (Maximum)	-4748 (Minimum)	0 (Nominal)	4748 (Maximum)
29	-20.82			251.6		
	-238.9 (Minimum)	-0.7571 (Nominal)	237.4 (Maximum)	-1927 (Minimum)	0 (Nominal)	1927 (Maximum)
30	11.65			-837.1		
	-263.8 (Minimum)	-8.173 (Nominal)	247.5 (Maximum)	-3768 (Minimum)	0 (Nominal)	3768 (Maximum)
31	-333.3			829.5		
	-1851 (Minimum)	-192.8 (Nominal)	1465 (Maximum)	-1400 (Minimum)	0 (Nominal)	1400 (Maximum)
32	48.80			442.1		
	-186.8 (Minimum)	22.62 (Nominal)	232.0 (Maximum)	-1526 (Minimum)	0 (Nominal)	1526 (Maximum)

33	5.421				-174.6			
		-1101 (Minimum)	55.12 (Nominal)	1211 (Maximum)		-3024 (Minimum)	0 (Nominal)	3024 (Maximum)
34	-1.054				-100.0			
		-186.5 (Minimum)	-4.793 (Nominal)	176.9 (Maximum)		-2838 (Minimum)	0 (Nominal)	2838 (Maximum)
35	124.1				-78.95			
		-462.5 (Minimum)	63.86 (Nominal)	590.2 (Maximum)		-107.3 (Minimum)	0 (Nominal)	107.3 (Maximum)
36	-319.1				421.2			
		-319.1 (Minimum)	63.86 (Nominal)	590.2 (Maximum)		421.2 (Minimum)	0 (Nominal)	107.3 (Maximum)
37	6.994				-48.20			
		-1876 (Minimum)	-385.5 (Nominal)	1105 (Maximum)		-902.5 (Minimum)	0 (Nominal)	902.5 (Maximum)
38	0.5654				122.2			
		-239.6 (Minimum)	19.09 (Nominal)	277.8 (Maximum)		122.2 (Minimum)	0 (Nominal)	4148 (Maximum)
39	1.085				-417.3			
		-95.40 (Minimum)	8.103 (Nominal)	111.7 (Maximum)		-1441 (Minimum)	0 (Nominal)	1441 (Maximum)
40	-323.3				470.6			
		-232.3 (Minimum)	-11.60 (Nominal)	209.1 (Maximum)		470.6 (Minimum)	0 (Nominal)	3221 (Maximum)
41	15.87				227.7			
		-840.1 (Minimum)	-332.1 (Nominal)	175.8 (Maximum)		227.7 (Minimum)	0 (Nominal)	790.7 (Maximum)
42	-0.8276				-78.56			
		-30.50 (Minimum)	11.77 (Nominal)	54.00 (Maximum)		-881.0 (Minimum)	0 (Nominal)	881.0 (Maximum)
43	0.7432				-45.15			
		-1086 (Minimum)	50.67 (Nominal)	1188 (Maximum)		-1840 (Minimum)	0 (Nominal)	1840 (Maximum)
44	47.85				-9.689			
		-199.6 (Minimum)	-7.273 (Nominal)	185.1 (Maximum)		-1624 (Minimum)	0 (Nominal)	1624 (Maximum)
45	-15.48				2082			
		-1.100 (Minimum)	46.99 (Nominal)	95.10 (Maximum)		2082 (Minimum)	0 (Nominal)	91.40 (Maximum)
46	-9.021				368.4			
		-173.4 (Minimum)	2.034 (Nominal)	177.5 (Maximum)		368.4 (Minimum)	0 (Nominal)	2138 (Maximum)
47	-31.66				780.9			
		-374.2 (Minimum)	-10.87 (Nominal)	352.5 (Maximum)		780.9 (Minimum)	0 (Nominal)	2357 (Maximum)
48	11.94				-416.4			
		-183.8 (Minimum)	-15.64 (Nominal)	152.5 (Maximum)		-986.0 (Minimum)	0 (Nominal)	986.0 (Maximum)
49	-17.19				1985			
		-261.9 (Minimum)	2.156 (Nominal)	266.2 (Maximum)		1985 (Minimum)	0 (Nominal)	2252 (Maximum)
50	18.09				139.9			
		-178.2 (Minimum)	-0.6614 (Nominal)	176.9 (Maximum)		139.9 (Minimum)	0 (Nominal)	2148 (Maximum)
51	5.572				784.0			
		-65.70 (Minimum)	8.816 (Nominal)	83.30 (Maximum)		784.0 (Minimum)	0 (Nominal)	626.5 (Maximum)
52	8.875				-98.90			
		-166.5 (Minimum)	2.130 (Nominal)	170.8 (Maximum)		-1981 (Minimum)	0 (Nominal)	1981 (Maximum)
53	59.44				-19.65			
		-52.80 (Minimum)	3.754 (Nominal)	60.30 (Maximum)		-1243 (Minimum)	0 (Nominal)	1243 (Maximum)
54	-2.308				1017			
		-235.6 (Minimum)	32.53 (Nominal)	300.6 (Maximum)		1017 (Minimum)	0 (Nominal)	41.10 (Maximum)
		-95.30 (Minimum)	-9.750 (Nominal)	75.80 (Maximum)		-1088 (Minimum)	0 (Nominal)	1088 (Maximum)









		-1.336 (Minimum)	-5.565 (Nominal)	123.5 (Maximum)	188.6		
		-134.6 (Minimum)			-1366 (Minimum)	0 (Nominal)	1366 (Maximum)
56	-1.396				388.1		
		-27.40 (Minimum)	-6.454 (Nominal)	14.50 (Maximum)	-540.6 (Minimum)	0 (Nominal)	540.6 (Maximum)
57	0.9340				-209.3		
		-137.9 (Minimum)	-0.5576 (Nominal)	136.8 (Maximum)	-1274 (Minimum)	0 (Nominal)	1274 (Maximum)
58	1.078				968.0		
		-78.10 (Minimum)	-9.827 (Nominal)	58.50 (Maximum)	-1071 (Minimum)	0 (Nominal)	1071 (Maximum)
59	6.561				72.00		
		-18.10 (Minimum)	5.923 (Nominal)	29.90 (Maximum)	-340.7 (Minimum)	0 (Nominal)	340.7 (Maximum)
60	4.802				391.0		
		-65.40 (Minimum)	0.3248 (Nominal)	66.00 (Maximum)	-1250 (Minimum)	0 (Nominal)	1250 (Maximum)
61	5.034				-48.64		
		-32.10 (Minimum)	3.359 (Nominal)	38.80 (Maximum)	-691.8 (Minimum)	0 (Nominal)	691.8 (Maximum)
62	26.23				2.136		
		-9.800 (Minimum)	27.57 (Nominal)	64.90 (Maximum)	-32.90 (Minimum)	0 (Nominal)	32.90 (Maximum)
63	-2.579				635.4		
		-56.30 (Minimum)	0.6343 (Nominal)	57.60 (Maximum)	-770.3 (Minimum)	0 (Nominal)	770.3 (Maximum)
64	29.50				-951.4		
		-86.20 (Minimum)	-0.04571 (Nominal)	86.10 (Maximum)	-1478 (Minimum)	0 (Nominal)	1478 (Maximum)
65	-15.76				180.9		
		-51.90 (Minimum)	-4.624 (Nominal)	42.60 (Maximum)	-621.1 (Minimum)	0 (Nominal)	621.1 (Maximum)
66	-19.63				918.5		
		-171.8 (Minimum)	-2.056 (Nominal)	167.7 (Maximum)	-1581 (Minimum)	0 (Nominal)	1581 (Maximum)
67	-0.2565				611.6		
		-45.00 (Minimum)	0.1900 (Nominal)	45.40 (Maximum)	-751.4 (Minimum)	0 (Nominal)	751.4 (Maximum)
68	3.726				30.84		
		-42.10 (Minimum)	3.956 (Nominal)	50.00 (Maximum)	-476.3 (Minimum)	0 (Nominal)	476.3 (Maximum)
69	-6.196				286.1		
		-27.40 (Minimum)	0.6414 (Nominal)	28.70 (Maximum)	-517.0 (Minimum)	0 (Nominal)	517.0 (Maximum)
70	-0.5899				-46.72		
		-42.00 (Minimum)	3.171 (Nominal)	48.30 (Maximum)	-935.7 (Minimum)	0 (Nominal)	935.7 (Maximum)
71	22.25				18.34		
		-87.80 (Minimum)	11.76 (Nominal)	111.3 (Maximum)	-62.10 (Minimum)	0 (Nominal)	62.10 (Maximum)
72	0.3745				262.4		
		-24.60 (Minimum)	-2.297 (Nominal)	20.00 (Maximum)	-375.5 (Minimum)	0 (Nominal)	375.5 (Maximum)
73	1.286				-472.1		
		-57.60 (Minimum)	2.100 (Nominal)	61.80 (Maximum)	-1185 (Minimum)	0 (Nominal)	1185 (Maximum)
74	-1.035				86.88		
		-12.70 (Minimum)	-1.704 (Nominal)	9.300 (Maximum)	-356.7 (Minimum)	0 (Nominal)	356.7 (Maximum)
75	-1.570				457.0		
		-78.00 (Minimum)	-3.031 (Nominal)	71.90 (Maximum)	-1247 (Minimum)	0 (Nominal)	1247 (Maximum)
76	2.299				250.6		
		-16.10 (Minimum)	-1.311 (Nominal)	13.50 (Maximum)	-374.3 (Minimum)	0 (Nominal)	374.3 (Maximum)































	1.771	<div><div></div></div>		17.22	<div><div></div></div>	
	-12.80 (Minimum)	2.693 (Nominal)	18.20 (Maximum)	-321.8 (Minimum)	0 (Nominal)	321.8 (Maximum)
78	0.7233	<div><div></div></div>		139.4	<div><div></div></div>	
	-11.50 (Minimum)	1.215 (Nominal)	13.90 (Maximum)	-333.1 (Minimum)	0 (Nominal)	333.1 (Maximum)
79	0.7604	<div><div></div></div>		-23.30	<div><div></div></div>	
	-13.40 (Minimum)	3.431 (Nominal)	20.30 (Maximum)	-581.6 (Minimum)	0 (Nominal)	581.6 (Maximum)
80	10.68	<div><div></div></div>		16.27	<div><div></div></div>	
	-16.30 (Minimum)	11.00 (Nominal)	38.30 (Maximum)	-39.20 (Minimum)	0 (Nominal)	39.20 (Maximum)
81	-15.45	<div><div></div></div>		315.8	<div><div></div></div>	
	-67.80 (Minimum)	-6.064 (Nominal)	55.70 (Maximum)	-330.3 (Minimum)	0 (Nominal)	330.3 (Maximum)
82	-8.384	<div><div></div></div>		586.9	<div><div></div></div>	
	-75.70 (Minimum)	0.09571 (Nominal)	75.90 (Maximum)	-805.0 (Minimum)	0 (Nominal)	805.0 (Maximum)
83	-11.00	<div><div></div></div>		112.2	<div><div></div></div>	
	-42.90 (Minimum)	-3.401 (Nominal)	36.10 (Maximum)	-191.7 (Minimum)	0 (Nominal)	191.7 (Maximum)
84	13.94	<div><div></div></div>		-578.9	<div><div></div></div>	
	-56.30 (Minimum)	0.3271 (Nominal)	57.00 (Maximum)	-782.3 (Minimum)	0 (Nominal)	782.3 (Maximum)
85	-15.01	<div><div></div></div>		295.3	<div><div></div></div>	
	-56.50 (Minimum)	-5.537 (Nominal)	45.40 (Maximum)	-319.1 (Minimum)	0 (Nominal)	319.1 (Maximum)
86	4.540	<div><div></div></div>		-83.63	<div><div></div></div>	
	-16.30 (Minimum)	0.7314 (Nominal)	17.80 (Maximum)	-149.5 (Minimum)	0 (Nominal)	149.5 (Maximum)
87	-0.8786	<div><div></div></div>		7.633	<div><div></div></div>	
	-7.600 (Minimum)	-0.1829 (Nominal)	7.200 (Maximum)	-242.5 (Minimum)	0 (Nominal)	242.5 (Maximum)
88	2.126	<div><div></div></div>		-185.6	<div><div></div></div>	
	-10.50 (Minimum)	0.3700 (Nominal)	11.30 (Maximum)	-214.9 (Minimum)	0 (Nominal)	214.9 (Maximum)
89	3.597	<div><div></div></div>		20.93	<div><div></div></div>	
	-26.20 (Minimum)	2.383 (Nominal)	30.90 (Maximum)	-116.1 (Minimum)	0 (Nominal)	116.1 (Maximum)
90	-12.18	<div><div></div></div>		84.33	<div><div></div></div>	
	-30.60 (Minimum)	-9.587 (Nominal)	11.50 (Maximum)	-105.7 (Minimum)	0 (Nominal)	105.7 (Maximum)
91	-2.645	<div><div></div></div>		298.5	<div><div></div></div>	
	-38.50 (Minimum)	-1.329 (Nominal)	35.80 (Maximum)	-471.2 (Minimum)	0 (Nominal)	471.2 (Maximum)
92	-1.279	<div><div></div></div>		55.94	<div><div></div></div>	
	-17.00 (Minimum)	-2.254 (Nominal)	12.50 (Maximum)	-118.0 (Minimum)	0 (Nominal)	118.0 (Maximum)
93	2.192	<div><div></div></div>		-297.9	<div><div></div></div>	
	-27.10 (Minimum)	1.459 (Nominal)	30.00 (Maximum)	-441.4 (Minimum)	0 (Nominal)	441.4 (Maximum)
94	-10.83	<div><div></div></div>		74.61	<div><div></div></div>	
	-28.40 (Minimum)	-9.228 (Nominal)	10.00 (Maximum)	-100.3 (Minimum)	0 (Nominal)	100.3 (Maximum)
95	1.041	<div><div></div></div>		-40.80	<div><div></div></div>	
	-11.80 (Minimum)	1.184 (Nominal)	14.20 (Maximum)	-100.9 (Minimum)	0 (Nominal)	100.9 (Maximum)
96	0.9281	<div><div></div></div>		3.809	<div><div></div></div>	
	-4.600 (Minimum)	0.5421 (Nominal)	5.700 (Maximum)	-141.1 (Minimum)	0 (Nominal)	141.1 (Maximum)
97	0.2935	<div><div></div></div>		-91.97	<div><div></div></div>	
	-6.400 (Minimum)	0.8419 (Nominal)	8.100 (Maximum)	-179.1 (Minimum)	0 (Nominal)	179.1 (Maximum)
98	3.097	<div><div></div></div>		14.05	<div><div></div></div>	
	-29.10 (Minimum)	3.875 (Nominal)	36.80 (Maximum)	-42.70 (Minimum)	0 (Nominal)	42.70 (Maximum)
		<div><div></div></div>			<div><div></div></div>	






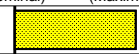









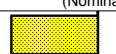

























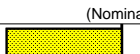


99	-41.39			152.7		
	-208.6 (Minimum)	-22.42 (Nominal)	163.7 (Maximum)	-228.8 (Minimum)	0 (Nominal)	228.8 (Maximum)
100	15.87			-416.8		
	-110.1 (Minimum)	6.030 (Nominal)	122.1 (Maximum)	-941.8 (Minimum)	0 (Nominal)	941.8 (Maximum)
101	-6.421			-42.07		
	-40.50 (Minimum)	-1.784 (Nominal)	36.90 (Maximum)	-177.8 (Minimum)	0 (Nominal)	177.8 (Maximum)
102	-11.33			450.4		
	-218.8 (Minimum)	-8.666 (Nominal)	201.5 (Maximum)	-932.5 (Minimum)	0 (Nominal)	932.5 (Maximum)
103	-45.67			156.3		
	-201.5 (Minimum)	-21.74 (Nominal)	158.0 (Maximum)	-189.7 (Minimum)	0 (Nominal)	189.7 (Maximum)
104	-0.1936			-17.73		
	-20.20 (Minimum)	0.1186 (Nominal)	20.50 (Maximum)	-173.1 (Minimum)	0 (Nominal)	173.1 (Maximum)
105	1.150			-3.397		
	-13.60 (Minimum)	1.554 (Nominal)	16.70 (Maximum)	-123.5 (Minimum)	0 (Nominal)	123.5 (Maximum)
106	-1.690			24.17		
	-6.300 (Minimum)	0.1929 (Nominal)	6.600 (Maximum)	-93.30 (Minimum)	0 (Nominal)	93.30 (Maximum)
107	-2.731			55.88		
	-19.70 (Minimum)	-1.369 (Nominal)	17.00 (Maximum)	-145.3 (Minimum)	0 (Nominal)	145.3 (Maximum)
108	-40.59			126.8		
	-61.80 (Minimum)	-39.44 (Nominal)	-17.10 (Maximum)	-174.6 (Minimum)	0 (Nominal)	174.6 (Maximum)
109	3.576			-220.5		
	-28.80 (Minimum)	2.697 (Nominal)	34.20 (Maximum)	-490.4 (Minimum)	0 (Nominal)	490.4 (Maximum)
110	-0.6722			-21.33		
	-11.70 (Minimum)	-1.231 (Nominal)	9.200 (Maximum)	-104.4 (Minimum)	0 (Nominal)	104.4 (Maximum)
111	-3.843			234.5		
	-57.50 (Minimum)	-3.492 (Nominal)	50.50 (Maximum)	-491.5 (Minimum)	0 (Nominal)	491.5 (Maximum)
112	-42.31			128.4		
	-67.40 (Minimum)	-39.27 (Nominal)	-11.10 (Maximum)	-150.1 (Minimum)	0 (Nominal)	150.1 (Maximum)
113	-0.1958			-4.797		
	-10.40 (Minimum)	0.8598 (Nominal)	12.10 (Maximum)	-103.3 (Minimum)	0 (Nominal)	103.3 (Maximum)
114	1.999			-1.614		
	-3.100 (Minimum)	2.525 (Nominal)	8.100 (Maximum)	-66.30 (Minimum)	0 (Nominal)	66.30 (Maximum)
115	-0.4481			14.76		
	-3.200 (Minimum)	0.4010 (Nominal)	4.000 (Maximum)	-66.00 (Minimum)	0 (Nominal)	66.00 (Maximum)
116	2.266			8.951		
	-27.70 (Minimum)	1.505 (Nominal)	30.70 (Maximum)	-57.80 (Minimum)	0 (Nominal)	57.80 (Maximum)
Master: 29-Jan-2007 15:32						

3-D Array Induction Tool – ZAIT-B Master Calibration							
Electronics Calibration Check – Thru Cal Mag. & Phase							
Idx	Phase	Value	Thru Cal Magnitude MM/M	Nominal	Value	Thru Cal Phase DEG	Nominal
0	Master	1.345		1.456	-174.6		0
1	Master	1.336		1.456	-170.2		0
2	Master	1.387		1.456	-177.4		0
3	Master	3.071		3.352	-176.6		0
4	Master	3.051		3.352	-172.3		0













































3-D Array Induction Tool – ZAIT-B Master Calibration									
Electronics Calibration Check – Auxilliary									
Dis	Accepted with	CPA Dis	Not	Dis	Accepted with	CPA Dis	Not	Dis	Accepted with













































Phase	Array Induction SPA Plus V			Value	Phase	Array Induction SPA Zero V			Value
Master				0.8436	Master				-0.0007702
	0.7570 (Minimum)	0.8360 (Nominal)	0.9150 (Maximum)			-0.05000 (Minimum)	0 (Nominal)	0.05000 (Maximum)	
Phase	Array Induction Temperature Plus V			Value	Phase	Array Induction Temperature Zero V			Value
Master				0.9906	Master				-0.001124
	0.8800 (Minimum)	0.9798 (Nominal)	1.076 (Maximum)			-0.05000 (Minimum)	0 (Nominal)	0.05000 (Maximum)	
Phase	Array Induction CalSig Plus V			Value	Phase	Array Induction CalSig Zero V			Value
Master				5.015	Master				-0.01105
	4.500 (Minimum)	5.000 (Nominal)	5.500 (Maximum)			-0.05000 (Minimum)	0 (Nominal)	0.05000 (Maximum)	
Phase	Array Induction Volt Plus V			Value	Phase	Array Induction Volt Zero V			Value
Master				5.014	Master				-0.01105
	2.250 (Minimum)	2.500 (Nominal)	2.750 (Maximum)			-0.05000 (Minimum)	0 (Nominal)	0.05000 (Maximum)	
Master: 29-Jan-2007 15:32									


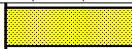

















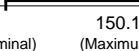








3-D Array Induction Tool – ZAIT–B Master Calibration									
Sonde Error Correction									
Idx	Value	R Sonde Error Correction MM/M			Value	X Sonde Error Correction MM/M			
0	20.92				5052				
		-2105 (Minimum)	351.3 (Nominal)	2808 (Maximum)		-33300 (Minimum)	0 (Nominal)	33300 (Maximum)	
1	754.2				8939				
		-5042 (Minimum)	500.9 (Nominal)	6044 (Maximum)		-37570 (Minimum)	0 (Nominal)	37570 (Maximum)	
2	-1325				-103.9				
		-2575 (Minimum)	-1399 (Nominal)	-222.3 (Maximum)		-2478 (Minimum)	0 (Nominal)	2478 (Maximum)	
3	33.96				2129				
		-2398 (Minimum)	-112.1 (Nominal)	2174 (Maximum)		-7332 (Minimum)	0 (Nominal)	7332 (Maximum)	
4	154.4				830.1				
		-1421 (Minimum)	124.3 (Nominal)	1670 (Maximum)		-6457 (Minimum)	0 (Nominal)	6457 (Maximum)	
5	85.67				-295.1				
		-563.7 (Minimum)	64.70 (Nominal)	693.1 (Maximum)		-619.1 (Minimum)	0 (Nominal)	619.1 (Maximum)	
6	63.31				700.2				
		-2295 (Minimum)	-206.4 (Nominal)	1882 (Maximum)		-5708 (Minimum)	0 (Nominal)	5708 (Maximum)	
7	148.3				567.0				
		-1367 (Minimum)	138.2 (Nominal)	1644 (Maximum)		-2991 (Minimum)	0 (Nominal)	2991 (Maximum)	
8	90.72				-25.51				
		-811.7 (Minimum)	141.5 (Nominal)	1095 (Maximum)		-372.1 (Minimum)	0 (Nominal)	372.1 (Maximum)	
9	-492.9				-220.7				
		-3068 (Minimum)	-97.15 (Nominal)	2874 (Maximum)		-4300 (Minimum)	0 (Nominal)	4300 (Maximum)	
10	18.30				-581.3				
		-798.0 (Minimum)	1.896 (Nominal)	801.8 (Maximum)		-12390 (Minimum)	0 (Nominal)	12390 (Maximum)	
11	-119.2				994.5				
		-770.9 (Minimum)	23.35 (Nominal)	817.6 (Maximum)		-4594 (Minimum)	0 (Nominal)	4594 (Maximum)	
12	-6.887				1033				
		-734.3 (Minimum)	14.37 (Nominal)	763.0 (Maximum)		-11510 (Minimum)	0 (Nominal)	11510 (Maximum)	
13	-394.3				-632.1				
		-2770 (Minimum)	-241.5 (Nominal)	2287 (Maximum)		-2410 (Minimum)	0 (Nominal)	2410 (Maximum)	
14	65.79				101.5				
		-570.4 (Minimum)	31.47 (Nominal)	633.4 (Maximum)		-4653 (Minimum)	0 (Nominal)	4653 (Maximum)	

15	52.97				-554.7			
		-2241 (Minimum)	-108.3 (Nominal)	2024 (Maximum)		-5251 (Minimum)	0 (Nominal)	5251 (Maximum)
16	87.06				-705.2			
		-1029 (Minimum)	43.50 (Nominal)	1116 (Maximum)		-6660 (Minimum)	0 (Nominal)	6660 (Maximum)
17	-85.69				221.6			
		-471.1 (Minimum)	-41.64 (Nominal)	387.8 (Maximum)		-287.3 (Minimum)	0 (Nominal)	287.3 (Maximum)
18	-264.4				-380.3			
		-3236 (Minimum)	-34.30 (Nominal)	3167 (Maximum)		-1971 (Minimum)	0 (Nominal)	1971 (Maximum)
19	2.997				-278.9			
		-508.2 (Minimum)	-31.06 (Nominal)	446.1 (Maximum)		-8843 (Minimum)	0 (Nominal)	8843 (Maximum)
20	-67.21				485.0			
		-990.0 (Minimum)	78.40 (Nominal)	1147 (Maximum)		-2886 (Minimum)	0 (Nominal)	2886 (Maximum)
21	-2.146				513.5			
		-332.1 (Minimum)	27.84 (Nominal)	387.8 (Maximum)		-7605 (Minimum)	0 (Nominal)	7605 (Maximum)
22	-171.0				-557.7			
		-1710 (Minimum)	-171.8 (Nominal)	1367 (Maximum)		-1006 (Minimum)	0 (Nominal)	1006 (Maximum)
23	2.315				48.64			
		-700.5 (Minimum)	-7.184 (Nominal)	686.2 (Maximum)		-2778 (Minimum)	0 (Nominal)	2778 (Maximum)
24	43.68				-300.7			
		-2238 (Minimum)	-131.8 (Nominal)	1975 (Maximum)		-4019 (Minimum)	0 (Nominal)	4019 (Maximum)
25	57.55				-369.9			
		-888.1 (Minimum)	60.98 (Nominal)	1010 (Maximum)		-3802 (Minimum)	0 (Nominal)	3802 (Maximum)
26	-78.64				74.67			
		-568.8 (Minimum)	-98.79 (Nominal)	371.2 (Maximum)		-150.9 (Minimum)	0 (Nominal)	150.9 (Maximum)
27	-324.3				722.8			
		-2660 (Minimum)	-247.8 (Nominal)	2164 (Maximum)		-1619 (Minimum)	0 (Nominal)	1619 (Maximum)
28	6.777				-93.67			
		-311.9 (Minimum)	19.89 (Nominal)	351.7 (Maximum)		-4748 (Minimum)	0 (Nominal)	4748 (Maximum)
29	-20.82				251.6			
		-238.9 (Minimum)	-0.7571 (Nominal)	237.4 (Maximum)		-1927 (Minimum)	0 (Nominal)	1927 (Maximum)
30	11.65				-837.1			
		-263.8 (Minimum)	-8.173 (Nominal)	247.5 (Maximum)		-3768 (Minimum)	0 (Nominal)	3768 (Maximum)
31	-333.3				829.5			
		-1851 (Minimum)	-192.8 (Nominal)	1465 (Maximum)		-1400 (Minimum)	0 (Nominal)	1400 (Maximum)
32	48.80				442.1			
		-186.8 (Minimum)	22.62 (Nominal)	232.0 (Maximum)		-1526 (Minimum)	0 (Nominal)	1526 (Maximum)
33	5.421				-174.6			
		-1101 (Minimum)	55.12 (Nominal)	1211 (Maximum)		-3024 (Minimum)	0 (Nominal)	3024 (Maximum)
34	-1.054				-100.0			
		-186.5 (Minimum)	-4.793 (Nominal)	176.9 (Maximum)		-2838 (Minimum)	0 (Nominal)	2838 (Maximum)
35	124.1				-78.95			
		-462.5 (Minimum)	63.86 (Nominal)	590.2 (Maximum)		-107.3 (Minimum)	0 (Nominal)	107.3 (Maximum)
36	-319.1				421.2			
		-1876 (Minimum)	-385.5 (Nominal)	1105 (Maximum)		-902.5 (Minimum)	0 (Nominal)	902.5 (Maximum)

37	6.994			-48.20			
		-239.6 (Minimum)	19.09 (Nominal)	277.8 (Maximum)	-4148 (Minimum)	0 (Nominal)	4148 (Maximum)
38	0.5654			122.2			
		-95.40 (Minimum)	8.103 (Nominal)	111.7 (Maximum)	-1441 (Minimum)	0 (Nominal)	1441 (Maximum)
39	1.085			-417.3			
		-232.3 (Minimum)	-11.60 (Nominal)	209.1 (Maximum)	-3221 (Minimum)	0 (Nominal)	3221 (Maximum)
40	-323.3			470.6			
		-840.1 (Minimum)	-332.1 (Nominal)	175.8 (Maximum)	-790.7 (Minimum)	0 (Nominal)	790.7 (Maximum)
41	15.87			227.7			
		-30.50 (Minimum)	11.77 (Nominal)	54.00 (Maximum)	-881.0 (Minimum)	0 (Nominal)	881.0 (Maximum)
42	-0.8276			-78.56			
		-1086 (Minimum)	50.67 (Nominal)	1188 (Maximum)	-1840 (Minimum)	0 (Nominal)	1840 (Maximum)
43	0.7432			-45.15			
		-199.6 (Minimum)	-7.273 (Nominal)	185.1 (Maximum)	-1624 (Minimum)	0 (Nominal)	1624 (Maximum)
44	47.85			-9.689			
		-1.100 (Minimum)	46.99 (Nominal)	95.10 (Maximum)	-91.40 (Minimum)	0 (Nominal)	91.40 (Maximum)
45	-15.48			2082			
		-173.4 (Minimum)	2.034 (Nominal)	177.5 (Maximum)	-2138 (Minimum)	0 (Nominal)	2138 (Maximum)
46	-9.021			368.4			
		-374.2 (Minimum)	-10.87 (Nominal)	352.5 (Maximum)	-2357 (Minimum)	0 (Nominal)	2357 (Maximum)
47	-31.66			780.9			
		-183.8 (Minimum)	-15.64 (Nominal)	152.5 (Maximum)	-986.0 (Minimum)	0 (Nominal)	986.0 (Maximum)
48	11.94			-416.4			
		-261.9 (Minimum)	2.156 (Nominal)	266.2 (Maximum)	-2252 (Minimum)	0 (Nominal)	2252 (Maximum)
49	-17.19			1985			
		-178.2 (Minimum)	-0.6614 (Nominal)	176.9 (Maximum)	-2148 (Minimum)	0 (Nominal)	2148 (Maximum)
50	18.09			139.9			
		-65.70 (Minimum)	8.816 (Nominal)	83.30 (Maximum)	-626.5 (Minimum)	0 (Nominal)	626.5 (Maximum)
51	5.572			784.0			
		-166.5 (Minimum)	2.130 (Nominal)	170.8 (Maximum)	-1981 (Minimum)	0 (Nominal)	1981 (Maximum)
52	8.875			-98.90			
		-52.80 (Minimum)	3.754 (Nominal)	60.30 (Maximum)	-1243 (Minimum)	0 (Nominal)	1243 (Maximum)
53	59.44			-19.65			
		-235.6 (Minimum)	32.53 (Nominal)	300.6 (Maximum)	-41.10 (Minimum)	0 (Nominal)	41.10 (Maximum)
54	-2.308			1017			
		-95.30 (Minimum)	-9.750 (Nominal)	75.80 (Maximum)	-1088 (Minimum)	0 (Nominal)	1088 (Maximum)
55	-1.336			188.6			
		-134.6 (Minimum)	-5.565 (Nominal)	123.5 (Maximum)	-1366 (Minimum)	0 (Nominal)	1366 (Maximum)
56	-1.396			388.1			
		-27.40 (Minimum)	-6.454 (Nominal)	14.50 (Maximum)	-540.6 (Minimum)	0 (Nominal)	540.6 (Maximum)
57	0.9340			-209.3			
		-137.9 (Minimum)	-0.5576 (Nominal)	136.8 (Maximum)	-1274 (Minimum)	0 (Nominal)	1274 (Maximum)
58	1.078			968.0			
		-78.10 (Minimum)	-9.827 (Nominal)	58.50 (Maximum)	-1071 (Minimum)	0 (Nominal)	1071 (Maximum)

59	6.561		29.90	72.00		
	-18.10 (Minimum)	5.923 (Nominal)	(Maximum)	-340.7 (Minimum)	0 (Nominal)	340.7 (Maximum)
60	4.802		66.00	391.0		
	-65.40 (Minimum)	0.3248 (Nominal)	(Maximum)	-1250 (Minimum)	0 (Nominal)	1250 (Maximum)
61	5.034		38.80	-48.64		
	-32.10 (Minimum)	3.359 (Nominal)	(Maximum)	-691.8 (Minimum)	0 (Nominal)	691.8 (Maximum)
62	26.23		64.90	2.136		
	-9.800 (Minimum)	27.57 (Nominal)	(Maximum)	-32.90 (Minimum)	0 (Nominal)	32.90 (Maximum)
63	-2.579		57.60	635.4		
	-56.30 (Minimum)	0.6343 (Nominal)	(Maximum)	-770.3 (Minimum)	0 (Nominal)	770.3 (Maximum)
64	29.50		86.10	-951.4		
	-86.20 (Minimum)	-0.04571 (Nominal)	(Maximum)	-1478 (Minimum)	0 (Nominal)	1478 (Maximum)
65	-15.76		42.60	180.9		
	-51.90 (Minimum)	-4.624 (Nominal)	(Maximum)	-621.1 (Minimum)	0 (Nominal)	621.1 (Maximum)
66	-19.63		167.7	918.5		
	-171.8 (Minimum)	-2.056 (Nominal)	(Maximum)	-1581 (Minimum)	0 (Nominal)	1581 (Maximum)
67	-0.2565		45.40	611.6		
	-45.00 (Minimum)	0.1900 (Nominal)	(Maximum)	-751.4 (Minimum)	0 (Nominal)	751.4 (Maximum)
68	3.726		50.00	30.84		
	-42.10 (Minimum)	3.956 (Nominal)	(Maximum)	-476.3 (Minimum)	0 (Nominal)	476.3 (Maximum)
69	-6.196		28.70	286.1		
	-27.40 (Minimum)	0.6414 (Nominal)	(Maximum)	-517.0 (Minimum)	0 (Nominal)	517.0 (Maximum)
70	-0.5899		48.30	-46.72		
	-42.00 (Minimum)	3.171 (Nominal)	(Maximum)	-935.7 (Minimum)	0 (Nominal)	935.7 (Maximum)
71	22.25		111.3	18.34		
	-87.80 (Minimum)	11.76 (Nominal)	(Maximum)	-62.10 (Minimum)	0 (Nominal)	62.10 (Maximum)
72	0.3745		20.00	262.4		
	-24.60 (Minimum)	-2.297 (Nominal)	(Maximum)	-375.5 (Minimum)	0 (Nominal)	375.5 (Maximum)
73	1.286		61.80	-472.1		
	-57.60 (Minimum)	2.100 (Nominal)	(Maximum)	-1185 (Minimum)	0 (Nominal)	1185 (Maximum)
74	-1.035		9.300	86.88		
	-12.70 (Minimum)	-1.704 (Nominal)	(Maximum)	-356.7 (Minimum)	0 (Nominal)	356.7 (Maximum)
75	-1.570		71.90	457.0		
	-78.00 (Minimum)	-3.031 (Nominal)	(Maximum)	-1247 (Minimum)	0 (Nominal)	1247 (Maximum)
76	2.299		13.50	250.6		
	-16.10 (Minimum)	-1.311 (Nominal)	(Maximum)	-374.3 (Minimum)	0 (Nominal)	374.3 (Maximum)
77	1.771		18.20	17.22		
	-12.80 (Minimum)	2.693 (Nominal)	(Maximum)	-321.8 (Minimum)	0 (Nominal)	321.8 (Maximum)
78	0.7233		13.90	139.4		
	-11.50 (Minimum)	1.215 (Nominal)	(Maximum)	-333.1 (Minimum)	0 (Nominal)	333.1 (Maximum)
79	0.7604		20.30	-23.30		
	-13.40 (Minimum)	3.431 (Nominal)	(Maximum)	-581.6 (Minimum)	0 (Nominal)	581.6 (Maximum)
80	10.68		38.30	16.27		
	-16.30 (Minimum)	11.00 (Nominal)	(Maximum)	-39.20 (Minimum)	0 (Nominal)	39.20 (Maximum)

81	-15.45		55.70 (Maximum)	315.8		330.3 (Maximum)
		-67.80 (Minimum)	-6.064 (Nominal)		-330.3 (Minimum)	0 (Nominal)
82	-8.384		75.90 (Maximum)	586.9		805.0 (Maximum)
		-75.70 (Minimum)	0.09571 (Nominal)		-805.0 (Minimum)	0 (Nominal)
83	-11.00		36.10 (Maximum)	112.2		191.7 (Maximum)
		-42.90 (Minimum)	-3.401 (Nominal)		-191.7 (Minimum)	0 (Nominal)
84	13.94		57.00 (Maximum)	-578.9		782.3 (Maximum)
		-56.30 (Minimum)	0.3271 (Nominal)		-782.3 (Minimum)	0 (Nominal)
85	-15.01		45.40 (Maximum)	295.3		319.1 (Maximum)
		-56.50 (Minimum)	-5.537 (Nominal)		-319.1 (Minimum)	0 (Nominal)
86	4.540		17.80 (Maximum)	-83.63		149.5 (Maximum)
		-16.30 (Minimum)	0.7314 (Nominal)		-149.5 (Minimum)	0 (Nominal)
87	-0.8786		7.200 (Maximum)	7.633		242.5 (Maximum)
		-7.600 (Minimum)	-0.1829 (Nominal)		-242.5 (Minimum)	0 (Nominal)
88	2.126		11.30 (Maximum)	-185.6		214.9 (Maximum)
		-10.50 (Minimum)	0.3700 (Nominal)		-214.9 (Minimum)	0 (Nominal)
89	3.597		30.90 (Maximum)	20.93		116.1 (Maximum)
		-26.20 (Minimum)	2.383 (Nominal)		-116.1 (Minimum)	0 (Nominal)
90	-12.18		11.50 (Maximum)	84.33		105.7 (Maximum)
		-30.60 (Minimum)	-9.587 (Nominal)		-105.7 (Minimum)	0 (Nominal)
91	-2.645		35.80 (Maximum)	298.5		471.2 (Maximum)
		-38.50 (Minimum)	-1.329 (Nominal)		-471.2 (Minimum)	0 (Nominal)
92	-1.279		12.50 (Maximum)	55.94		118.0 (Maximum)
		-17.00 (Minimum)	-2.254 (Nominal)		-118.0 (Minimum)	0 (Nominal)
93	2.192		30.00 (Maximum)	-297.9		441.4 (Maximum)
		-27.10 (Minimum)	1.459 (Nominal)		-441.4 (Minimum)	0 (Nominal)
94	-10.83		10.00 (Maximum)	74.61		100.3 (Maximum)
		-28.40 (Minimum)	-9.228 (Nominal)		-100.3 (Minimum)	0 (Nominal)
95	1.041		14.20 (Maximum)	-40.80		100.9 (Maximum)
		-11.80 (Minimum)	1.184 (Nominal)		-100.9 (Minimum)	0 (Nominal)
96	0.9281		5.700 (Maximum)	3.809		141.1 (Maximum)
		-4.600 (Minimum)	0.5421 (Nominal)		-141.1 (Minimum)	0 (Nominal)
97	0.2935		8.100 (Maximum)	-91.97		179.1 (Maximum)
		-6.400 (Minimum)	0.8419 (Nominal)		-179.1 (Minimum)	0 (Nominal)
98	3.097		36.80 (Maximum)	14.05		42.70 (Maximum)
		-29.10 (Minimum)	3.875 (Nominal)		-42.70 (Minimum)	0 (Nominal)
99	-41.39		163.7 (Maximum)	152.7		228.8 (Maximum)
		-208.6 (Minimum)	-22.42 (Nominal)		-228.8 (Minimum)	0 (Nominal)
100	15.87		122.1 (Maximum)	-416.8		941.8 (Maximum)
		-110.1 (Minimum)	6.030 (Nominal)		-941.8 (Minimum)	0 (Nominal)
101	-6.421		36.90 (Maximum)	-42.07		177.8 (Maximum)
		-40.50 (Minimum)	-1.784 (Nominal)		-177.8 (Minimum)	0 (Nominal)
102	-11.33		201.5 (Maximum)	450.4		932.5 (Maximum)
		-218.8 (Minimum)	-8.666 (Nominal)		-932.5 (Minimum)	0 (Nominal)

103	-45.67			156.3		
	-201.5 (Minimum)	-21.74 (Nominal)	158.0 (Maximum)	-189.7 (Minimum)	0 (Nominal)	189.7 (Maximum)
104	-0.1936			-17.73		
	-20.20 (Minimum)	0.1186 (Nominal)	20.50 (Maximum)	-173.1 (Minimum)	0 (Nominal)	173.1 (Maximum)
105	1.150			-3.397		
	-13.60 (Minimum)	1.554 (Nominal)	16.70 (Maximum)	-123.5 (Minimum)	0 (Nominal)	123.5 (Maximum)
106	-1.690			24.17		
	-6.300 (Minimum)	0.1929 (Nominal)	6.600 (Maximum)	-93.30 (Minimum)	0 (Nominal)	93.30 (Maximum)
107	-2.731			55.88		
	-19.70 (Minimum)	-1.369 (Nominal)	17.00 (Maximum)	-145.3 (Minimum)	0 (Nominal)	145.3 (Maximum)
108	-40.59			126.8		
	-61.80 (Minimum)	-39.44 (Nominal)	-17.10 (Maximum)	-174.6 (Minimum)	0 (Nominal)	174.6 (Maximum)
109	3.576			-220.5		
	-28.80 (Minimum)	2.697 (Nominal)	34.20 (Maximum)	-490.4 (Minimum)	0 (Nominal)	490.4 (Maximum)
110	-0.6722			-21.33		
	-11.70 (Minimum)	-1.231 (Nominal)	9.200 (Maximum)	-104.4 (Minimum)	0 (Nominal)	104.4 (Maximum)
111	-3.843			234.5		
	-57.50 (Minimum)	-3.492 (Nominal)	50.50 (Maximum)	-491.5 (Minimum)	0 (Nominal)	491.5 (Maximum)
112	-42.31			128.4		
	-67.40 (Minimum)	-39.27 (Nominal)	-11.10 (Maximum)	-150.1 (Minimum)	0 (Nominal)	150.1 (Maximum)
113	-0.1958			-4.797		
	-10.40 (Minimum)	0.8598 (Nominal)	12.10 (Maximum)	-103.3 (Minimum)	0 (Nominal)	103.3 (Maximum)
114	1.999			-1.614		
	-3.100 (Minimum)	2.525 (Nominal)	8.100 (Maximum)	-66.30 (Minimum)	0 (Nominal)	66.30 (Maximum)
115	-0.4481			14.76		
	-3.200 (Minimum)	0.4010 (Nominal)	4.000 (Maximum)	-66.00 (Minimum)	0 (Nominal)	66.00 (Maximum)
116	2.266			8.951		
	-27.70 (Minimum)	1.505 (Nominal)	30.70 (Maximum)	-57.80 (Minimum)	0 (Nominal)	57.80 (Maximum)

Master: 29-Jan-2007 15:32

Master: 29-Jan-2007 15:32

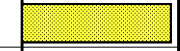
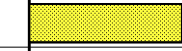

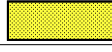


Powered Positioning Device/Caliper 2 / Equipment Identification

Primary Equipment:

PPC Powered Positioning Device/Caliper
PPC2 Caliper 40 Extension

PPC2 - B
PPC_ -

Auxiliary Equipment:

Powered Positioning Device/Caliper 2 Wellsite Calibration							
PPC2 Caliper Calibration							
Phase	PC2 Radius 1 Raw Small Radius	MM	Value	Phase	PC2 Radius 1 Raw Large Radius	MM	Value
Before			139.6	Before			245.1
	30.48 (Minimum)	88.90 (Nominal)	142.2 (Maximum)		154.9 (Minimum)	203.2 (Nominal)	246.4 (Maximum)
Phase	PC2 Radius 2 Raw Small Radius	MM	Value	Phase	PC2 Radius 2 Raw Large Radius	MM	Value
Before			59.05	Before			169.2
	30.48 (Minimum)	88.90 (Nominal)	142.2 (Maximum)		154.9 (Minimum)	203.2 (Nominal)	246.4 (Maximum)
Phase	PC2 Radius 3 Raw Small Radius	MM	Value	Phase	PC2 Radius 3 Raw Large Radius	MM	Value
Before			135.0	Before			242.2

30.48 (Minimum)	88.90 (Nominal)	142.2 (Maximum)	Phase	PPC2 Radius 4 Raw Small Radius MM	Value	154.9 (Minimum)	203.2 (Nominal)	246.4 (Maximum)	Phase	PPC2 Radius 4 Raw Large Radius MM	Value
Before		75.27	Before		186.6						
30.48 (Minimum)	88.90 (Nominal)	142.2 (Maximum)				154.9 (Minimum)	203.2 (Nominal)	246.4 (Maximum)			
Before: 5-Mar-2007 19:34											

Accelerator-Porosity Tool / Equipment Identification				
Primary Equipment:				
Accelerator-Porosity Sonde		APS – C	218	218
APS Minitron		MNTR – F	5329	5890
Auxiliary Equipment:				
Accelerator-Porosity Housing		APH – AC	121	121
APS Calibration Water Tank		SFT – 178	53	53
APS Aluminum Calibrator Sleeve		SFT – 281	12673	12673

Accelerator-Porosity Tool Wellsite Calibration														
Detector Background														
Phase	Near Det Bkg Cntrate CPS			Value	Phase	Far Det Bkg Cntrate CPS			Value	Phase	Array-1 Det Bkg Cntrate CPS			Value
Master	<div><div></div></div>			26.50	Master	<div><div></div></div>			25.93	Master	<div><div></div></div>			26.01
Before	<div><div></div></div>			25.71	Before	<div><div></div></div>			25.16	Before	<div><div></div></div>			25.06
1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)					1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)					1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)				
Phase	Array-2 Det Bkg Cntrate CPS			Value	Phase	Array Therm Det Bkg Cntrate CPS			Value					
Master	<div><div></div></div>			26.06	Master	<div><div></div></div>			25.75					
Before	<div><div></div></div>			25.75	Before	<div><div></div></div>			25.43					
1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)					1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)									
Master: 12-Jan-2007 23:16					Before: 5-Mar-2007 14:09									

Accelerator-Porosity Tool Wellsite Calibration											
Calibration Ratios											
Phase	Near/Far Calibration Ratio		Value	Phase	Near/Array Calibration Ratio		Value	Phase	Near/Array Cal Ratio Up/Down	Value	
Master			0.9971	Master			1.039	Master			1.011
0.8000 (Minimum)			0.9250 (Nominal)	1.050 (Maximum)			0.9000 (Minimum)			1.030 (Nominal)	1.170 (Maximum)
0.9700 (Minimum)			1.000 (Nominal)	1.030 (Maximum)			Master: 12-Jan-2007 23:16				

Accelerator-Porosity Tool Wellsite Calibration														
Tank Check														
Phase	Array-1 Standoff Porosity V/V			Value	Phase	Array-2 Standoff Porosity V/V			Value	Phase	Average Slowing Down Time US			Value
Master				0.1109	Master				0.1131	Master				5.901
0.09900 (Minimum) 0.1175 (Nominal) 0.1360 (Maximum)					0.09900 (Minimum) 0.1175 (Nominal) 0.1360 (Maximum)					5.500 (Minimum) 6.000 (Nominal) 6.250 (Maximum)				
Phase	Array-1 SDT Ratio Up/Down			Value	Phase	Array-2 SDT Ratio Up/Down			Value	Phase	Sigma Formation M-1			Value
Master				0.9697	Master				0.9845	Master				2.723
0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)					0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)					2.000 (Minimum) 2.750 (Nominal) 3.500 (Maximum)				
Master: 12-Jan-2007 23:16														

Accelerator-Porosity Tool Master Calibration											
Detector Calibration											
Phase	Near/Far Calibration Ratio		Value	Phase	Near/Array Calibration Ratio		Value	Phase	Near/Array Cal Ratio Up/Down		Value
Master			0.9971	Master			1.039	Master			1.011
0.8000 0.9250 1.050				0.9000 1.030 1.170				0.9700 1.000 1.030			
(Minimum) (Nominal) (Maximum)				(Minimum) (Nominal) (Maximum)				(Minimum) (Nominal) (Maximum)			
Master: 12-Jan-2007 23:16											

Accelerator-Porosity Tool Master Calibration											
Tank Check											
Phase	Array-1 Standoff Porosity	V/V	Value	Phase	Array-2 Standoff Porosity	V/V	Value	Phase	Average Slowing Down Time	US	Value





Master		0.1109	Master		0.1131	Master		5.901						
0.09900 (Minimum)		0.1175 (Nominal)	0.1360 (Maximum)		0.09900 (Minimum)		0.1175 (Nominal)	0.1360 (Maximum)	5.500 (Minimum)		6.000 (Nominal)	6.250 (Maximum)		
Phase	Array-1 SDT Ratio Up/Down		Value		Phase	Array-2 SDT Ratio Up/Down		Value		Phase	Sigma Formation M-1		Value	
Master		0.9697	Master		0.9845	Master		2.723						
0.9500 (Minimum)		1.000 (Nominal)	1.050 (Maximum)		0.9500 (Minimum)		1.000 (Nominal)	1.050 (Maximum)		2.000 (Minimum)		2.750 (Nominal)	3.500 (Maximum)	
Master: 12-Jan-2007 23:16														

High Resolution Laterolog Array – B / Equipment Identification											
Primary Equipment:						HRLS – B					
HRLT Sonde											
Auxiliary Equipment:						HRLH – B					
HRLT lower Housing						HRLC – B					
HRLT Lower Cartridge						HRUH – B					
HRLT upper Housing						HRUC – B					
HRLT Upper Cartridge											









High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M01						
Idx	Phase	HRLT M0-M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-317.8	-322.7	-280.7	-379.7
1	Before		-325.7	-322.7	-280.7	-379.7
2	Before		-320.0	-322.7	-280.7	-379.7
3	Before		-326.9	-322.7	-280.7	-379.7
4	Before		-316.2	-322.7	-280.7	-379.7
5	Before		-320.8	-322.7	-280.7	-379.7
6	Before		347.6	322.7	379.7	280.7
7	Before		-322.7	-322.7	-280.7	-379.7
		(Minimum) (Nominal) (Maximum)				
Before: 6-Mar-2007 11:09						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M12						
Idx	Phase	HRLT M1-M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1751	1781	2095	1549
1	Before		1806	1781	2095	1549
2	Before		1766	1781	2095	1549
3	Before		1801	1781	2095	1549
4	Before		1740	1781	2095	1549
5	Before		1765	1781	2095	1549
6	Before		-1936	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
		(Minimum) (Nominal) (Maximum)				
Before: 6-Mar-2007 11:09						









High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2-M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1735	1781	2095	1549
1	Before		1799	1781	2095	1549
2	Before		1761	1781	2095	1549
3	Before		1801	1781	2095	1549

4	Before		1734	1781	2095	1549
5	Before		1760	1781	2095	1549
6	Before		-1916	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
		(Minimum) (Nominal) (Maximum)				









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High Resolution Laterolog Array – B Wellsite Calibration							
HRLT V34							
Idx	Phase	HRLT A3–A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		68490	70000	82360	60900	
1	Before		70610	70000	82360	60900	
2	Before		69450	70000	82360	60900	
3	Before		71320	70000	82360	60900	
4	Before		68690	70000	82360	60900	
5	Before		69780	70000	82360	60900	
6	Before		-74180	-70000	-60900	-82360	
7	Before		70000	70000	82360	60900	
		(Minimum) (Nominal) (Maximum)					

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High Resolution Laterolog Array – B Wellsite Calibration							
HRLT V45							
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		68340	70000	82360	60900	
1	Before		71060	70000	82360	60900	
2	Before		69750	70000	82360	60900	
3	Before		71490	70000	82360	60900	
4	Before		68650	70000	82360	60900	
5	Before		69660	70000	82360	60900	
6	Before		-74690	-70000	-60900	-82360	
7	Before		70000	70000	82360	60900	
		(Minimum) (Nominal) (Maximum)					









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High Resolution Lateralog Array – B Wellsite Calibration							
HRLT V56							
Idx	Phase	HRLT A5–A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		68470	70000	82360	60900	
1	Before		70830	70000	82360	60900	
2	Before		69620	70000	82360	60900	
3	Before		71420	70000	82360	60900	
4	Before		68720	70000	82360	60900	
5	Before		69750	70000	82360	60900	
6	Before		-74430	-70000	-60900	-82360	
7	Before		70000	70000	82360	60900	
		(Minimum) (Nominal) (Maximum)					






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High Resolution Laterolog Array – B Wellsite Calibration

HRLT VTP						
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68030	-70000	-60900	-82360
1	Before		-70740	-70000	-60900	-82360
2	Before		-69510	-70000	-60900	-82360
3	Before		-71360	-70000	-60900	-82360
4	Before		-68680	-70000	-60900	-82360
5	Before		-69760	-70000	-60900	-82360
6	Before		74270	70000	82360	60900
7	Before		-70000	-70000	-60900	-82360
(Minimum) (Nominal) (Maximum)						
Before: 6-Mar-2007 11:09						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT VBD						
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68090	-70000	-60900	-82360
1	Before		-70940	-70000	-60900	-82360
2	Before		-69700	-70000	-60900	-82360
3	Before		-71520	-70000	-60900	-82360
4	Before		-68780	-70000	-60900	-82360
5	Before		-69820	-70000	-60900	-82360
6	Before		74500	70000	82360	60900
7	Before		-70000	-70000	-60900	-82360
(Minimum) (Nominal) (Maximum)						
Before: 6-Mar-2007 11:09						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT ISO						
Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
0	Before		283.5	284.0	334.1	247.0
1	Before		281.1	281.1	330.7	244.4
2	Before		281.1	281.1	330.7	244.4
3	Before		281.1	281.1	330.7	244.4
4	Before		281.1	281.1	330.7	244.4
5	Before		281.1	281.1	330.7	244.4
6	Before		281.1	281.1	330.7	244.4
7	Before		281.1	281.1	330.7	244.4
(Minimum) (Nominal) (Maximum)						
Before: 6-Mar-2007 11:09						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.2	-322.7	-280.7	-379.7
1	Before		-321.5	-322.7	-280.7	-379.7
2	Before		-314.6	-322.7	-280.7	-379.7
3	Before		-319.6	-322.7	-280.7	-379.7
4	Before		-306.4	-322.7	-280.7	-379.7

5	Before		-325.7	-322.7	-280.7	-379.7
6	Before		356.3	322.7	379.7	280.7
7	Before		-322.7	-322.7	-280.7	-379.7
(Minimum) (Nominal) (Maximum)						

Before: 6-Mar-2007 11:09

Environment Measurement Sonde / Equipment Identification

Primary Equipment:

EMS Mechanical	EMM – B	8102	8102
EMS Cartridge	EMC – B	8035	8035
EMS Adaptor	EMA – B	8018	8018
Resistivity Meter	RES –		

Auxiliary Equipment:

Electronics Cartridge Housing	ECH – KH	8045	8045
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Environment Measurement Sonde Wellsite Calibration

EMS Caliper Calibration

Phase	Radius 1 Short Radius MM	Value	Phase	Radius 1 Long Radius MM	Value
Before		99.22	Before		159.4
76.20 101.6 127.0 (Minimum) (Nominal) (Maximum)			127.0 152.4 177.8 (Minimum) (Nominal) (Maximum)		
Phase	Radius 2 Short Radius MM	Value	Phase	Radius 2 Long Radius MM	Value
Before		165.6	Before		104.3
127.0 152.4 177.8 (Minimum) (Nominal) (Maximum)			76.20 101.6 127.0 (Minimum) (Nominal) (Maximum)		
Phase	Radius 3 Short Radius MM	Value	Phase	Radius 3 Long Radius MM	Value
Before		94.45	Before		156.2
76.20 101.6 127.0 (Minimum) (Nominal) (Maximum)			127.0 152.4 177.8 (Minimum) (Nominal) (Maximum)		
Phase	Radius 4 Short Radius MM	Value	Phase	Radius 4 Long Radius MM	Value
Before		161.6	Before		101.9
127.0 152.4 177.8 (Minimum) (Nominal) (Maximum)			76.20 101.6 127.0 (Minimum) (Nominal) (Maximum)		
Phase	Radius 5 Short Radius MM	Value	Phase	Radius 5 Long Radius MM	Value
Before		95.89	Before		154.5
76.20 101.6 127.0 (Minimum) (Nominal) (Maximum)			127.0 152.4 177.8 (Minimum) (Nominal) (Maximum)		
Phase	Radius 6 Short Radius MM	Value	Phase	Radius 6 Long Radius MM	Value
Before		156.3	Before		95.78
127.0 152.4 177.8 (Minimum) (Nominal) (Maximum)			76.20 101.6 127.0 (Minimum) (Nominal) (Maximum)		

Before: 5-Mar-2007 14:59

General Purpose Inclinator / Equipment Identification

Primary Equipment:

GPIT Cartridge – C	GPIC – C
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Auxiliary Equipment:

GPIT Housing	GPIH – B
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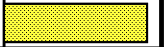
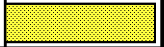

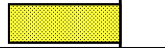
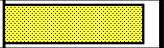
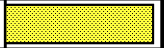

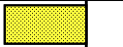
Powered Positioning Device/Caliper 1 / Equipment Identification

Primary Equipment:

PPC Powered Positioning Device/Caliper	PPC1 – B
PPC1 Caliper 40 Extension	PPC_ –

Auxiliary Equipment:

Powered Positioning Device/Caliper 1 Wellsite Calibration

PPC1 Caliper Calibration									
Phase	PC1 Radius 1 Raw Small Radius MM			Value	Phase	PC1 Radius 1 Raw Large Radius MM			Value
Before				137.5	Before				244.4
	30.48 (Minimum)	88.90 (Nominal)	142.2 (Maximum)			154.9 (Minimum)	203.2 (Nominal)	246.4 (Maximum)	
Phase	PC1 Radius 2 Raw Small Radius MM			Value	Phase	PC1 Radius 2 Raw Large Radius MM			Value
Before				55.65	Before				168.8
	30.48 (Minimum)	88.90 (Nominal)	142.2 (Maximum)			154.9 (Minimum)	203.2 (Nominal)	246.4 (Maximum)	
Phase	PC1 Radius 3 Raw Small Radius MM			Value	Phase	PC1 Radius 3 Raw Large Radius MM			Value
Before				136.3	Before				244.0
	30.48 (Minimum)	88.90 (Nominal)	142.2 (Maximum)			154.9 (Minimum)	203.2 (Nominal)	246.4 (Maximum)	
Phase	PC1 Radius 4 Raw Small Radius MM			Value	Phase	PC1 Radius 4 Raw Large Radius MM			Value
Before				63.71	Before				178.0
	30.48 (Minimum)	88.90 (Nominal)	142.2 (Maximum)			154.9 (Minimum)	203.2 (Nominal)	246.4 (Maximum)	
Before: 6-Mar-2007 4:43									

Enhanced DTS Cartridge / Equipment Identification

Primary Equipment:

Enhanced DTS Cartridge




EDTC – B

Auxiliary Equipment:

EDTC Housing


EDTH – B

Enhanced DTS Cartridge Wellsite Calibration

Detector Calibration																	
Phase	Gamma Ray Background			GAPI	Value	Phase	Gamma Ray (Jig – Bkg)			GAPI	Value	Phase	Gamma Ray (Calibrated)			GAPI	Value
Before					5.155	Before					159.1	Before					165.0
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)				144.7 (Minimum)	159.1 (Nominal)	173.6 (Maximum)				150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)		
Before: 6-Mar-2007 10:05																	

Enhanced DTS Cartridge Wellsite Calibration

EDTC Accelerometer Calibration

Phase	EDTC Z-Axis Acceleration	M/S2	Value
Before			9.805
	9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)
Before: 6-Mar-2007 9:11			

Company: **JOGMEC**

Schlumberger

Well: **AURORA/JOGMEC/NRCAN MALLIK 2L-38**

Field: **MALLIK**

Province: **NWT**

3D ARRAY INDUCTION-
SP LOG

