

COMPANY: Lamont Doherty

WELL: ODP Leg 190, Site 1173A

FIELD: Nankai Trough

Country: Japan Ocean: Pacific



Dipole Sonic P&S-HNGS

Country: Japan
Field: Nankai Trough
Location: Rig: Joides Resolution
Well: ODP Leg 190, Site 1173A
Company: Lamont Doherty

LOCATION		Elev.:	
Rig: Joides Resolution		K.B.	11.3 m
Nankai Trough		G.L.	-4801.9 m
		D.F.	11 m
Permanent Datum:	MSL	Elev.:	0 m
Log Measured From:	DES	11.3 m above Perm. Datum	
Drilling Measured From:	DES		
API Serial No.	SECTION	TOWNSHIP	RANGE

Logging Date	June-6-2000
Run Number	1
Depth Driller	5536.2 m
Schlumberger Depth	5178 m
Bottom Log Interval	5177 m
Top Log Interval	4858 m
Casing Driller Size @ Depth	0.000 in @ 4865 m
Casing Schlumberger	4865 m
Bit Size	9.875 in
Type Fluid In Hole	Barite Mud
Density	1.03 g/cm3
Fluid Loss	PH
Source Of Sample	
RM @ Measured Temperature	0.230 ohm.m @ 16 degC
RMF @ Measured Temperature	@ @
RMC @ Measured Temperature	@ @
Source RMF	RMC
RM @ MRT	2.268 @ 18 @ -18 @
Maximum Recorded Temperatures	18 degC
Circulation Stopped	June-5-2000
Logger On Bottom	June-6-2000
Unit Number	99
Recorded By	Steve Kittredge
Witnessed By	Harold Tobin

	Run 1	Run 2	Run
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
Source Of Sample			
RM @ Measured Temperature	@	@	@
RMF @ Measured Temperature	@	@	@
RMC @ Measured Temperature	@	@	@
Source RMF	RMC		
RM @ MRT	2.268 @ 18 @ -18 @		
Maximum Recorded Temperatures	18 degC		
Circulation Stopped	June-5-2000		
Logger On Bottom	June-6-2000		
Unit Number	99		
Recorded By	Steve Kittredge		
Witnessed By	Harold Tobin		

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Depth Driller	5536.2 m
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Type Fluid In Hole	Barite Mud
Density	1.03 g/cm3
Fluid Loss	PH
Source Of Sample	
RM @ Measured Temperature	0.230 ohm.m @ 16 degC
RMF @ Measured Temperature	@ @
RMC @ Measured Temperature	@ @
Source RMF	RMC
RM @ MRT	2.268 @ 18 @ -18 @
Maximum Recorded Temperatures	18 degC
Circulation Stopped	June-5-2000
Logger On Bottom	June-6-2000
Unit Number	99
Recorded By	Steve Kittredge
Witnessed By	Harold Tobin

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OTHER SERVICES1
 OS1: DITE/HLDS
 OS2: APS/HNGS
 OS3:
 OS4:
 OS5:

OTHER SERVICES2
 OS1:
 OS2:
 OS3:
 OS4:
 OS5:

REMARKS: RUN NUMBER 1
 Hole Cored with APC/XCB
 Toolstring- MESTB/NGTC/DSI.
 Log Measured in Meters Below Rig Floor (MBRF).
 Total Depth Logger- 5182.8 MBRF.
 Could not get past a ledge at 5178 MBRF.
 WHC used on both runs.
 Drill Pipe set at 4865 MBRF.

REMARKS: RUN NUMBER 2

RUN 1
 SERVICE ORDER #:
 PROGRAM VERSION: 9C1-303
 FLUID LEVEL:

RUN 2
 SERVICE ORDER #:
 PROGRAM VERSION:
 FLUID LEVEL:

LOGGED INTERVAL	START	STOP




LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

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

RUN 2

DOWNHOLE EQUIPMENT

LEH-QT  31.45
 LEH-QT
 DTC-H  30.56
 ECH-KC 8253 CTEM TelStatus ToolStatu 30.28 29.64
 AH-CMEAY  29.64
 AH-CMEAY 765

DSST-B
SPAC-B 18
ECH-SD 18
SMDR-BD 8070
SSIJ-BA 65
SMDX-AA 8026

28.35

PWF 12.81

AH-CMEAY
AH-CMEAY 764

12.81

DTA-A
ECH-KE 8261
DTA-A 8261

11.52

Detector 9.92

10.30

NGT-C
NGD-A 1736
NGH-B 3
NGC-C 1921
NGCH-A 752

MEST-B
MEAH-B 701
MEAC-A 833
MEPH-A 701
GPIC-A 719
MEPC-AB
MEDS-B 702

7.68

MEDR MEAC
MEPC MEDS-B
HV DF
Tension GPIT

0.46

0.00

TOOL ZERO

MAXIMUM STRING DIAMETER 3.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Output DLIS Files

DEFAULT	MESTB .028	FN:35 PRODUCER	06-Jun-2000 15:41	5182.2 M	4857.9 M
FMS3_CUST	MESTB .028	FN:36 PRODUCER	06-Jun-2000 15:41	5182.2 M	4857.9 M

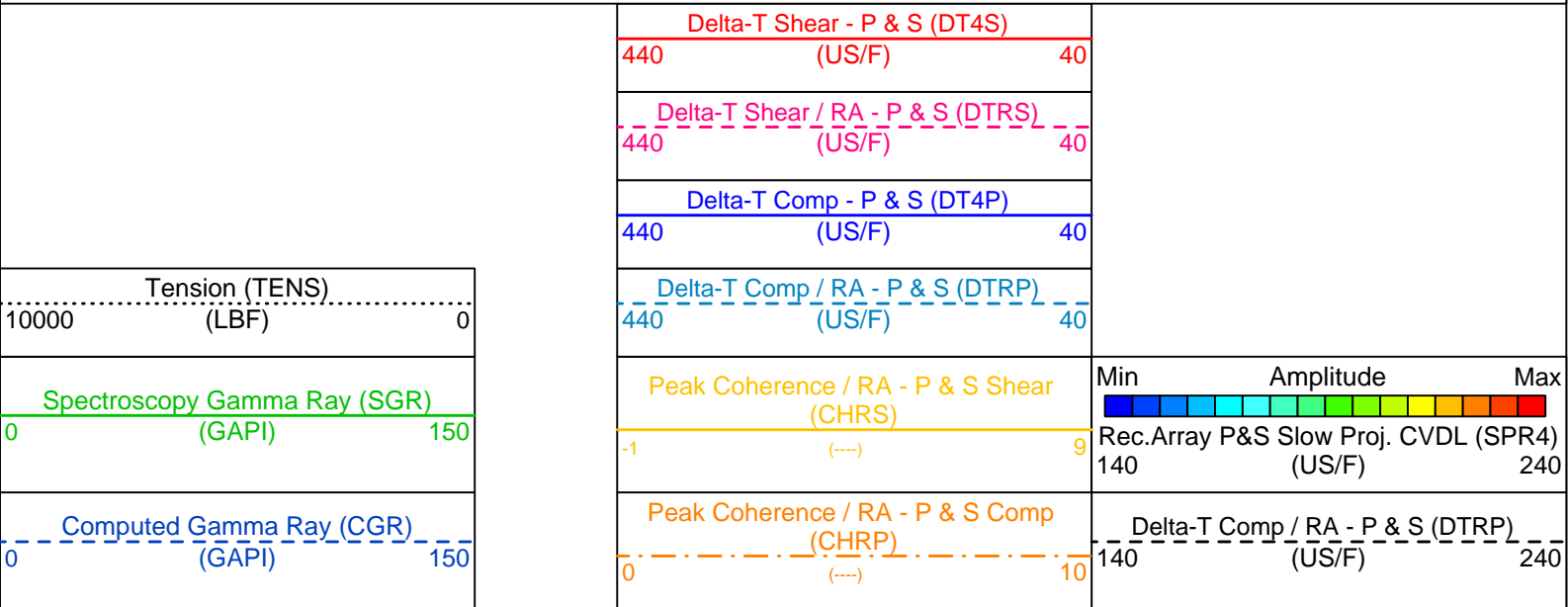
OP System Version: 9C1-303 MCM

MEST-B	9C1-303	NGT-C	9C1-303
DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

Pass #2 Up Log

PIP SUMMARY

Time Mark Every 60 S

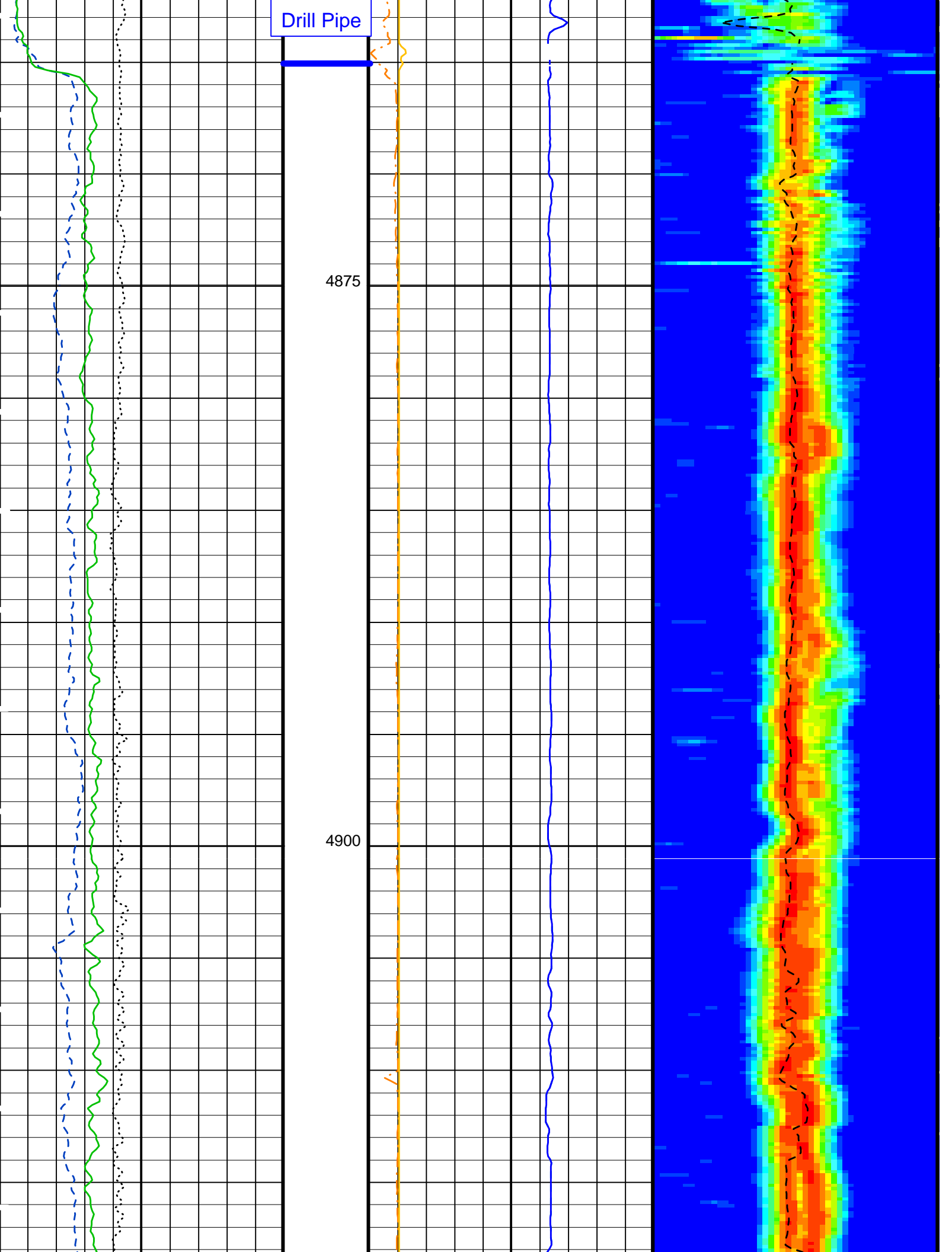


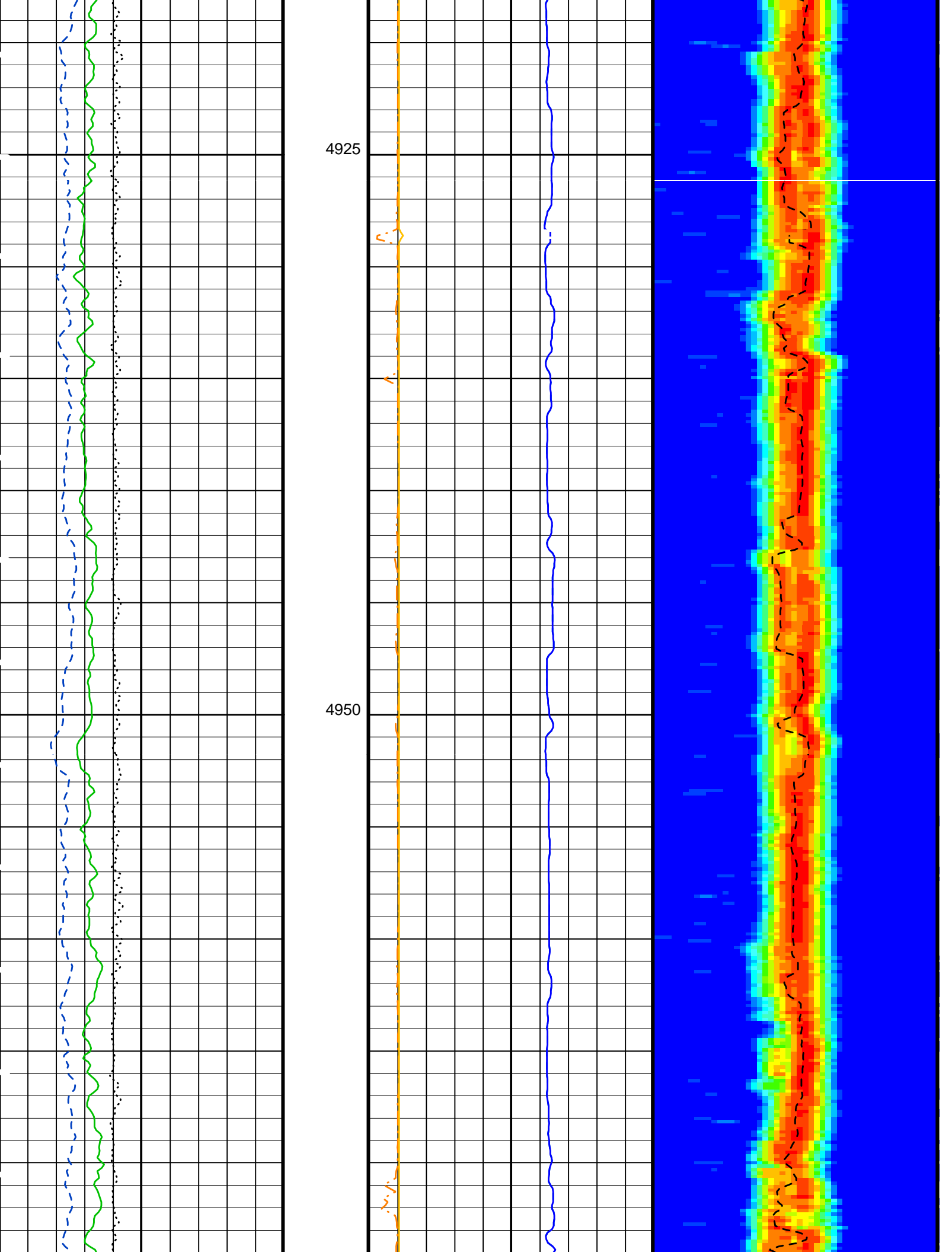
Last Reading

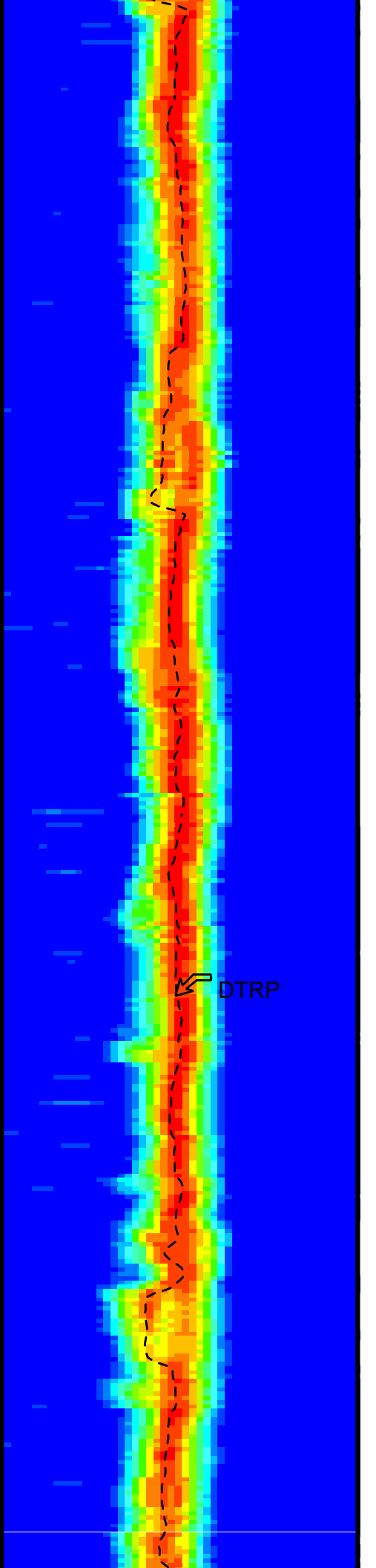
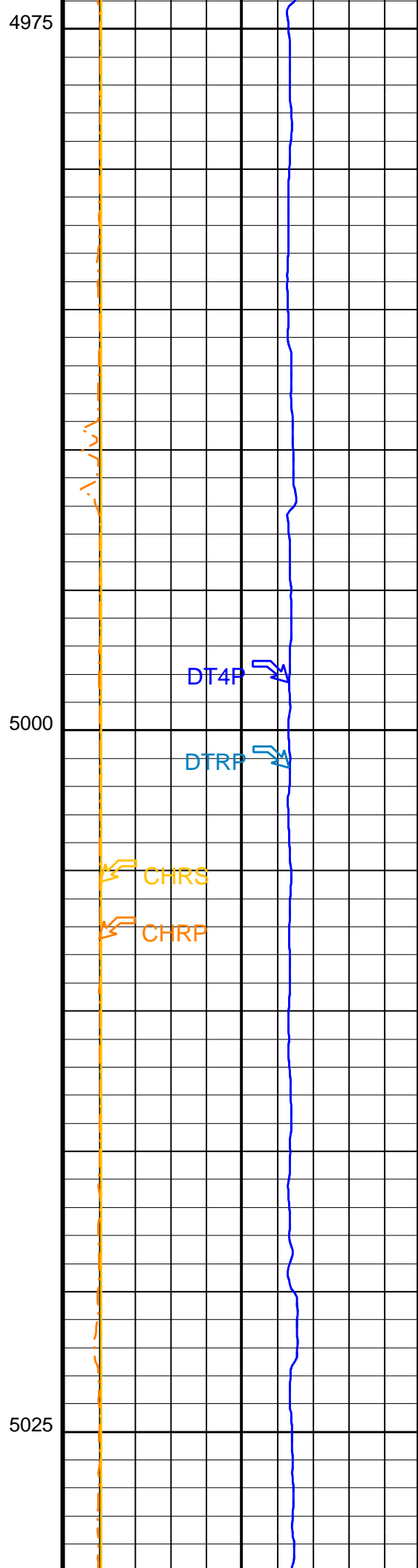
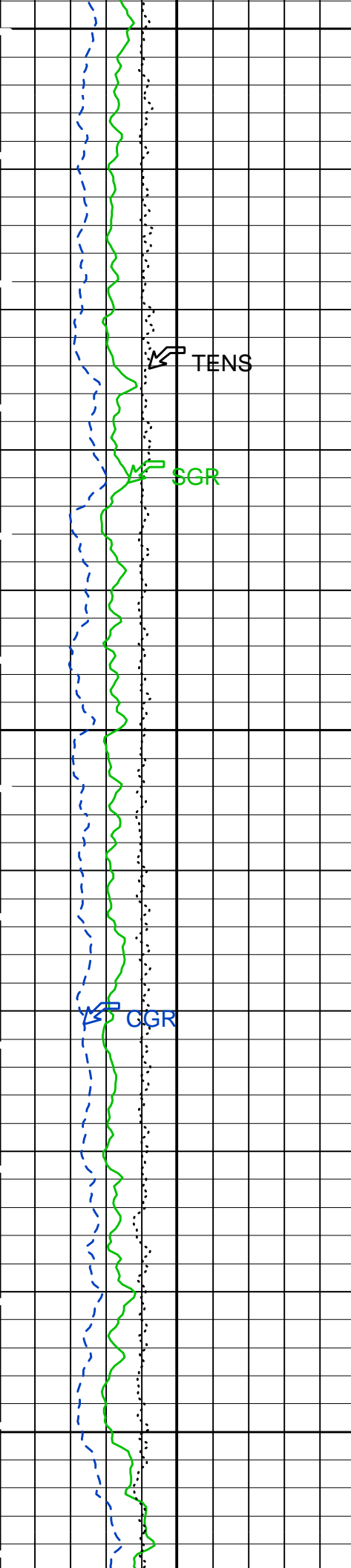
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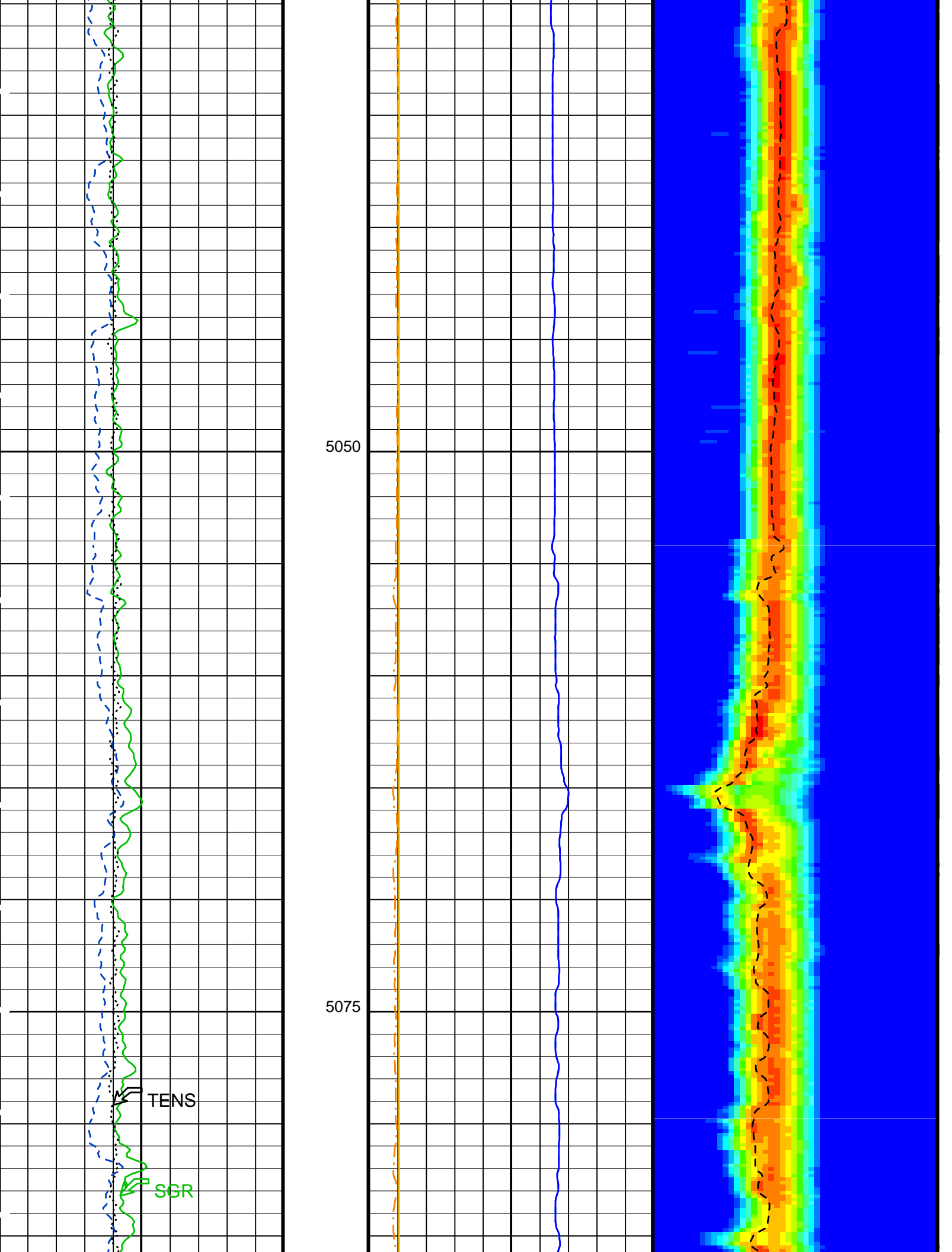
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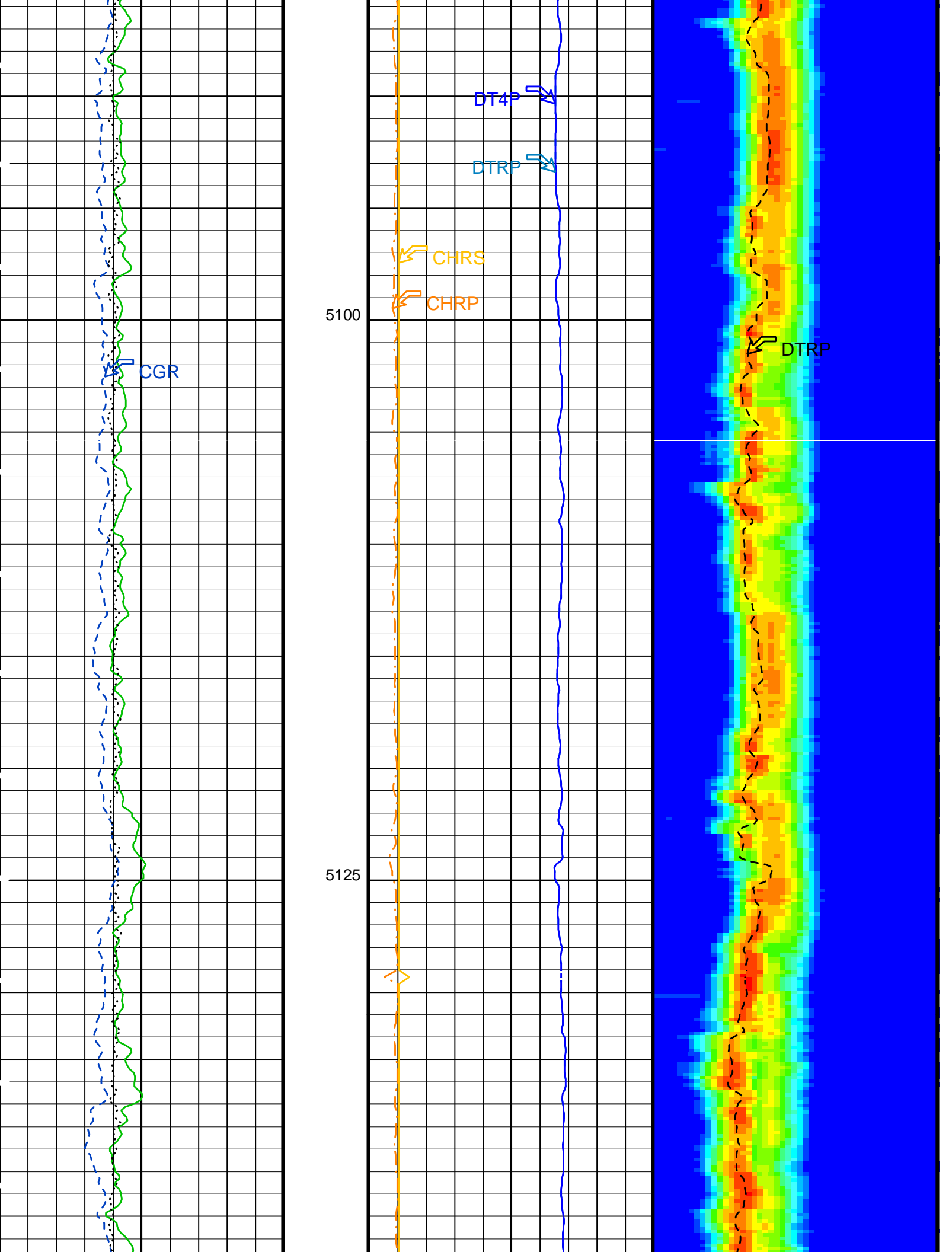
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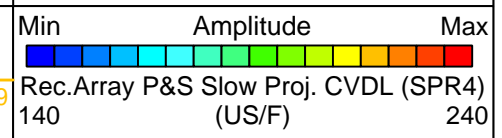
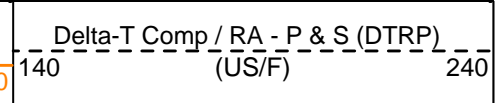
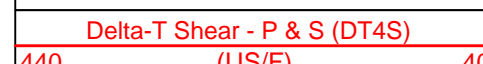
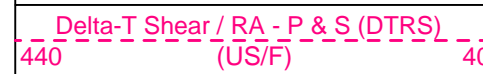
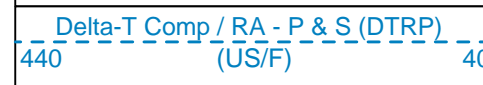
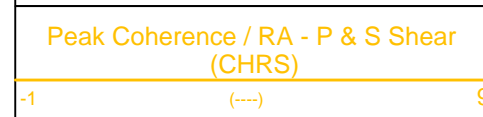
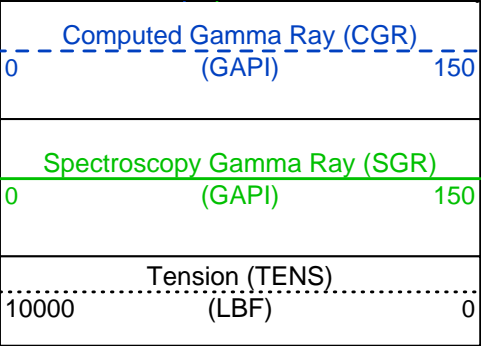
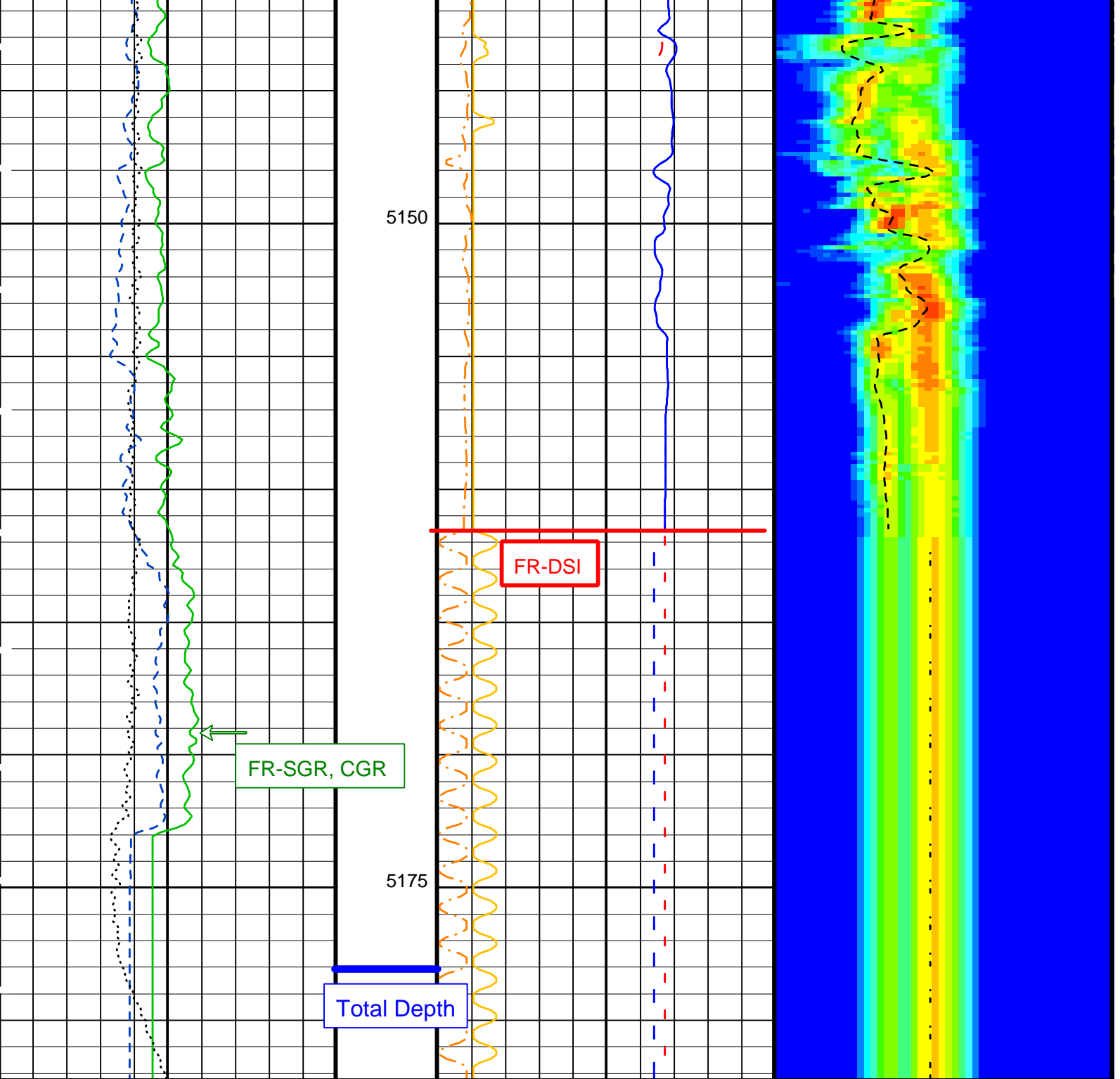












Parameters

DLIS Name	Description	Value	
BHS	Borehole Status	OPEN	
BS	Bit Size	9.875	IN
CASF	Label Casing Function - Monopole P&S	50	
CBAR	Constant Barite	1	
CGMI	Spectro Computed Gamma Ray Minimum	0	GAPI
CGSH	Spectro Computed Gamma Ray Shale	100	GAPI
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	140	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	195	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DFD	Drilling Fluid Density	8.51	LB/G
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTF	Delta-T Fluid	189	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR	
KMIN	Potassium Minimum	0	
KSHA	Potassium Shale	0.02	
LFC	Label Formation Character - Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NFO	NGT Filtering Option	KALMAN	
PMUD	Potassium Mud	0	%
RSMN	Label Shear/Compressional Minimum Ratio - Monopole P&S	1.1	
RSMX	Label Shear/Compressional Maximum Ratio - Monopole P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM4	DSST Sonic Acquisition Mode 4 - High Frequency Monopole Mode for P&S	ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM4	STC Filter - Monopole P&S	B3-20K	
SGMI	Spectro Gamma Ray Minimum	0	GAPI
SGSH	Spectro Gamma Ray Shale	100	GAPI
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	140	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	180	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	140	US/F
SST4	STC Slowness Step - Monopole P&S	2	US/F
STLL	Label Slowness Lower Limit - Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL4	STC Time Lower Limit - Monopole P&S	760	US
TMIN	Thorium Minimum	0	PPM
TSHA	Thorium Shale	12	PPM
TST4	STC Time Step - Monopole P&S	50	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UMIN	Uranium Minimum	0	PPM
USHA	Uranium Shale	3	PPM

OP System Version: 9C1-303

MCM

MEST-B	9C1-303	NGT-C	9C1-303
DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

Output DLIS Files

DEFAULT	MESTB .028	FN:35 PRODUCER	06-Jun-2000 15:41
FMS3_CUST	MESTB .028	FN:36 PRODUCER	06-Jun-2000 15:41

Input DLIS Files

DEFAULT	MESTB .024	FN:28 PRODUCER	06-Jun-2000 13:00	5182.8 M	4859.0 M
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Output DLIS Files

DEFAULT	MESTB .031	FN:41 PRODUCER	06-Jun-2000 17:09	5182.8 M	4859.0 M
FMS3_CUST	MESTB .031	FN:42 PRODUCER	06-Jun-2000 17:09	5182.8 M	4859.0 M

OP System Version: 9C1-303

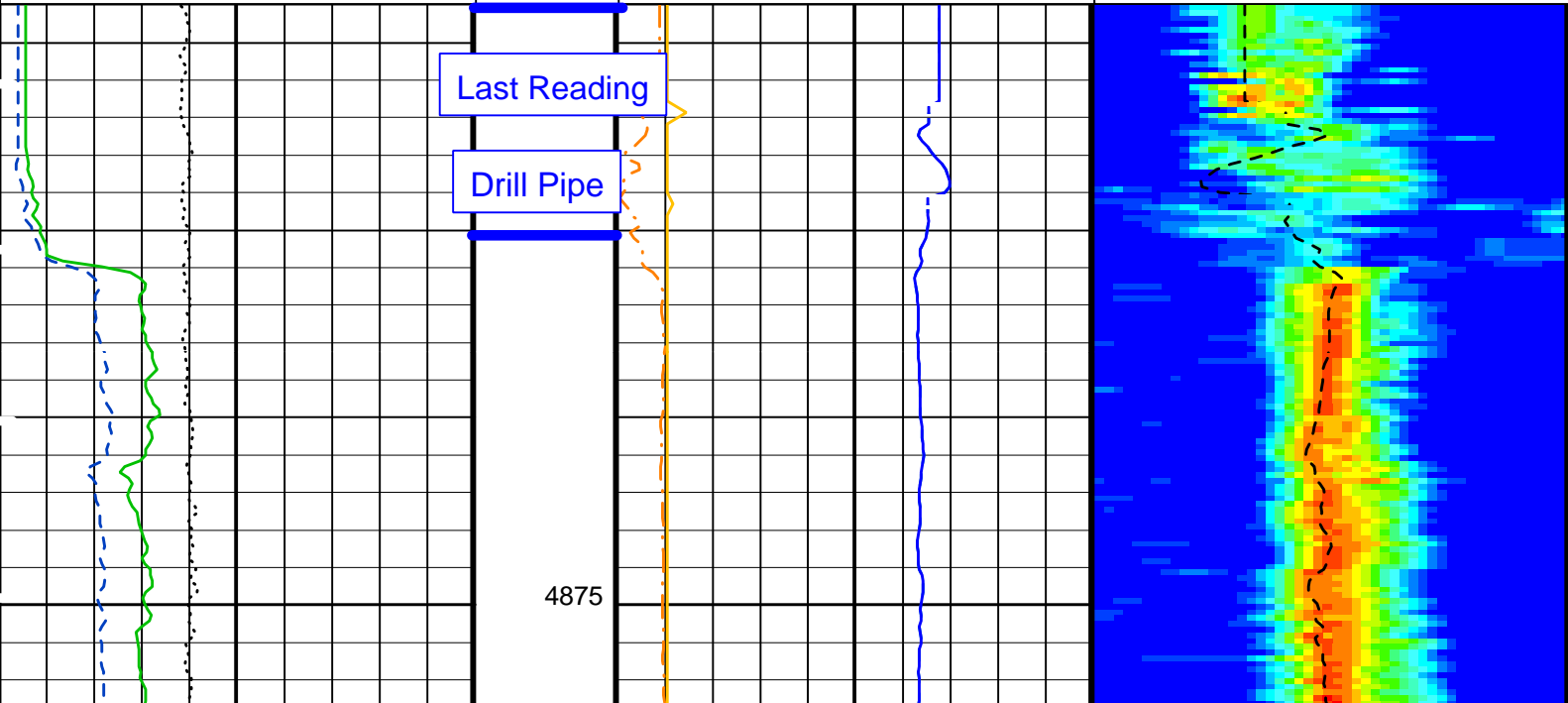
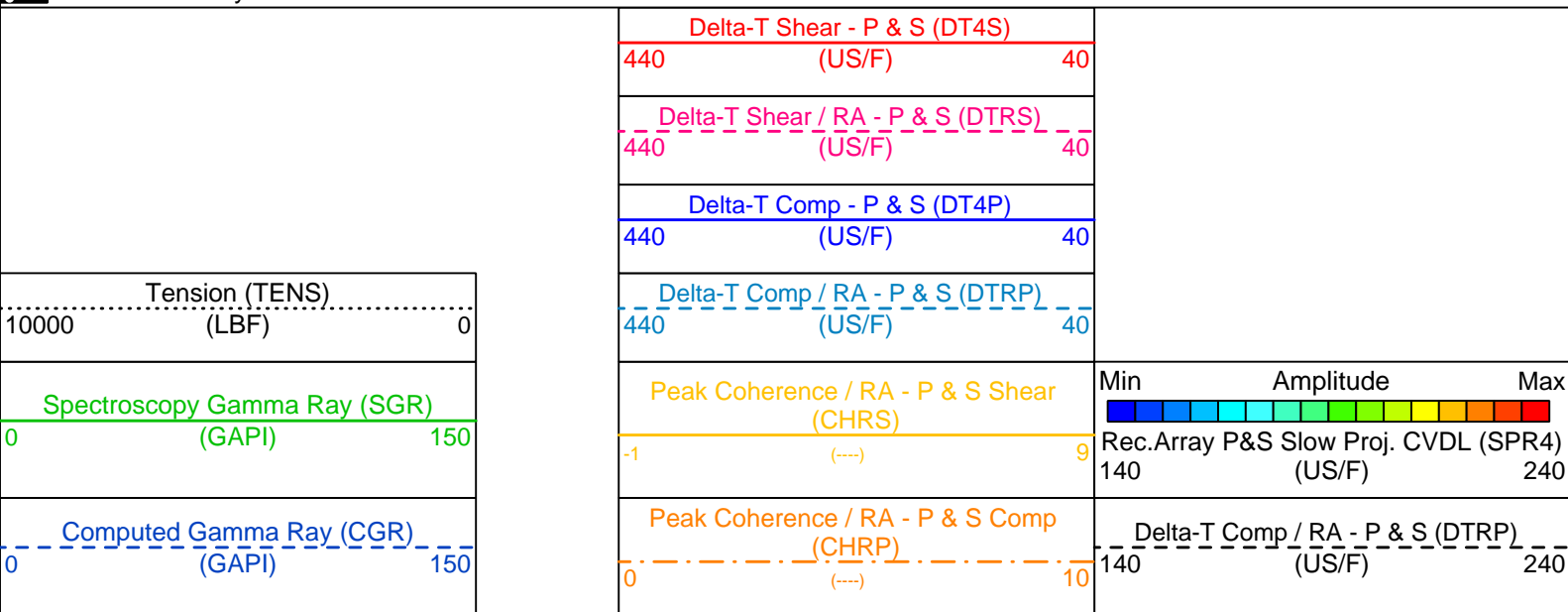
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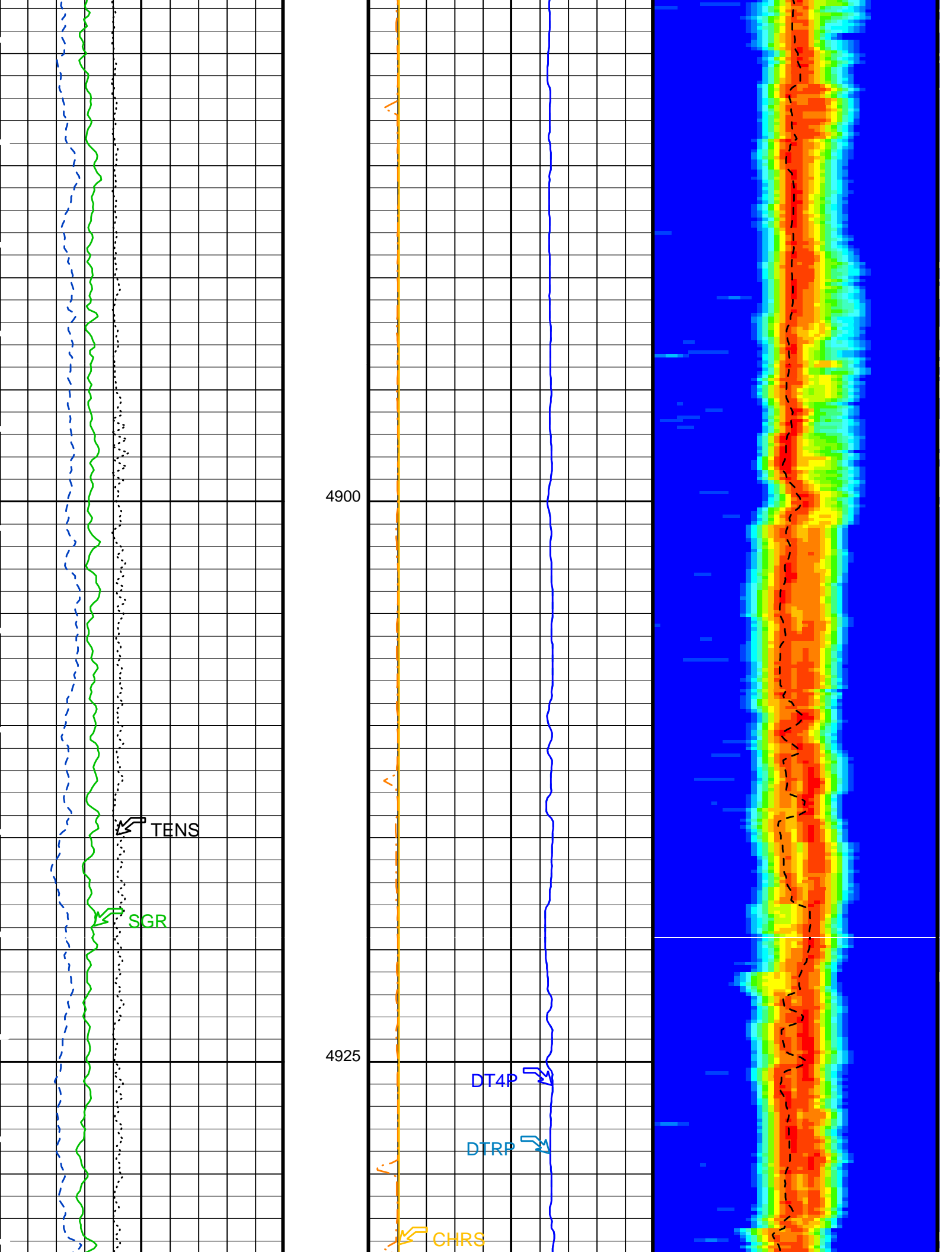
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DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

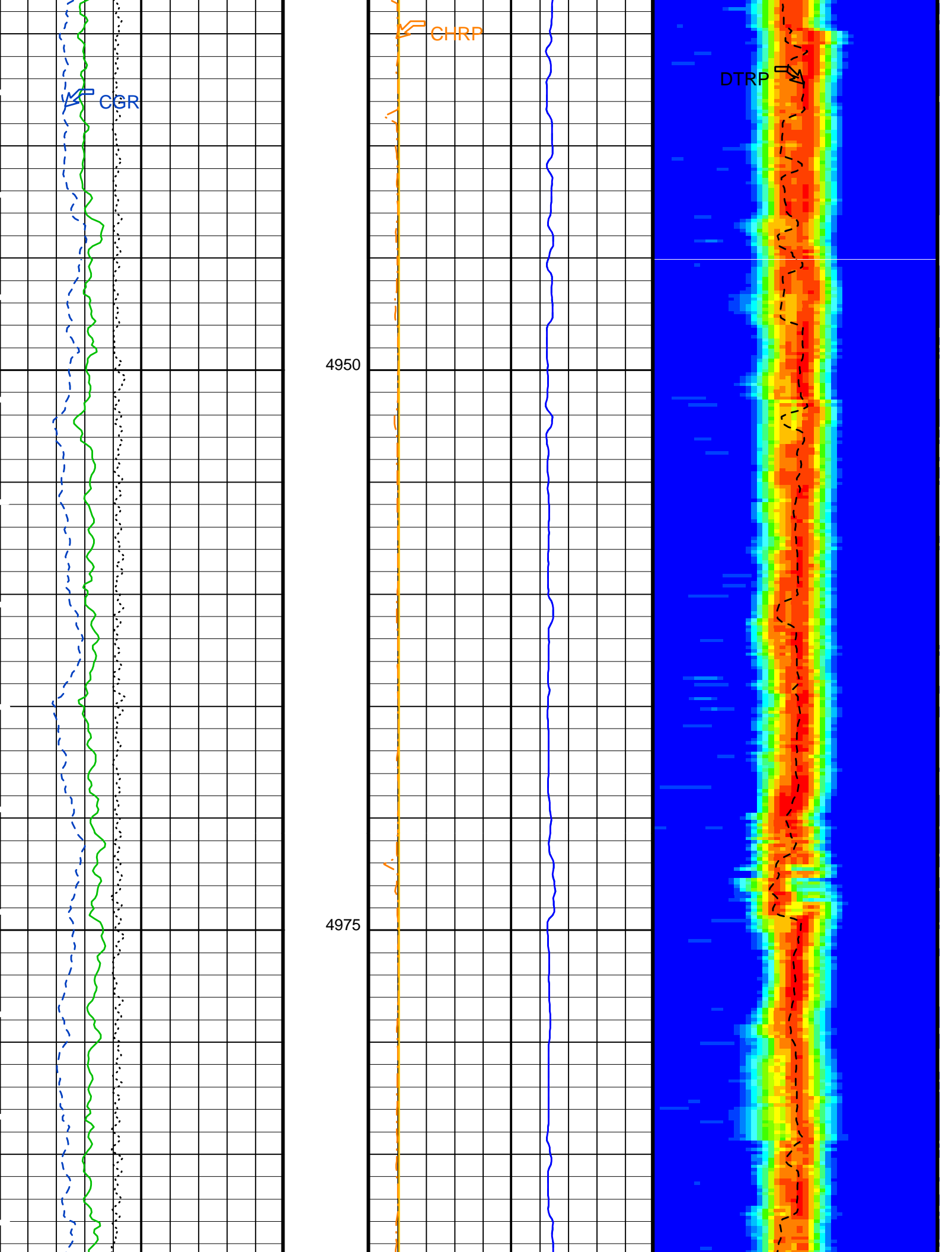
Pass #1 Up Log

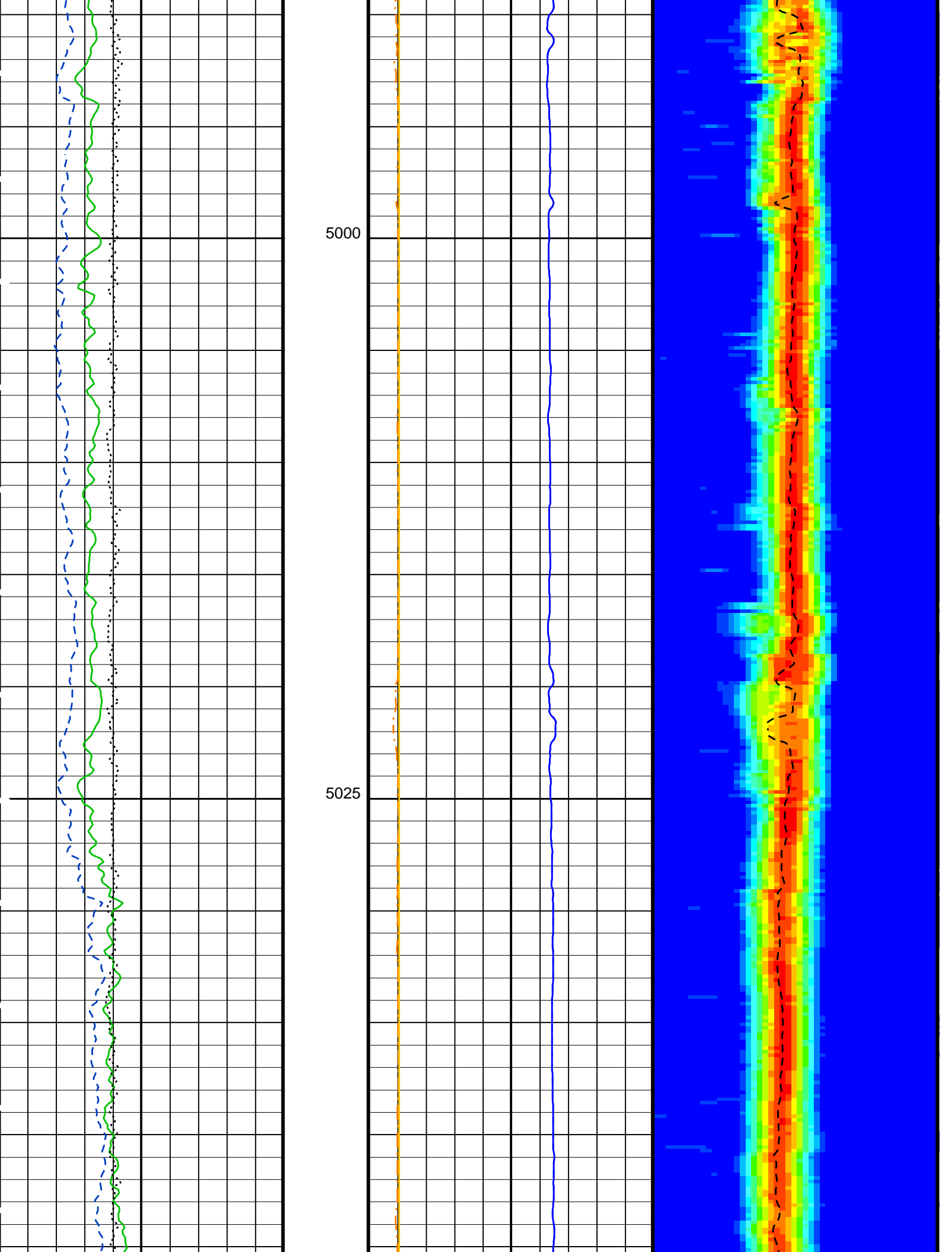
PIP SUMMARY

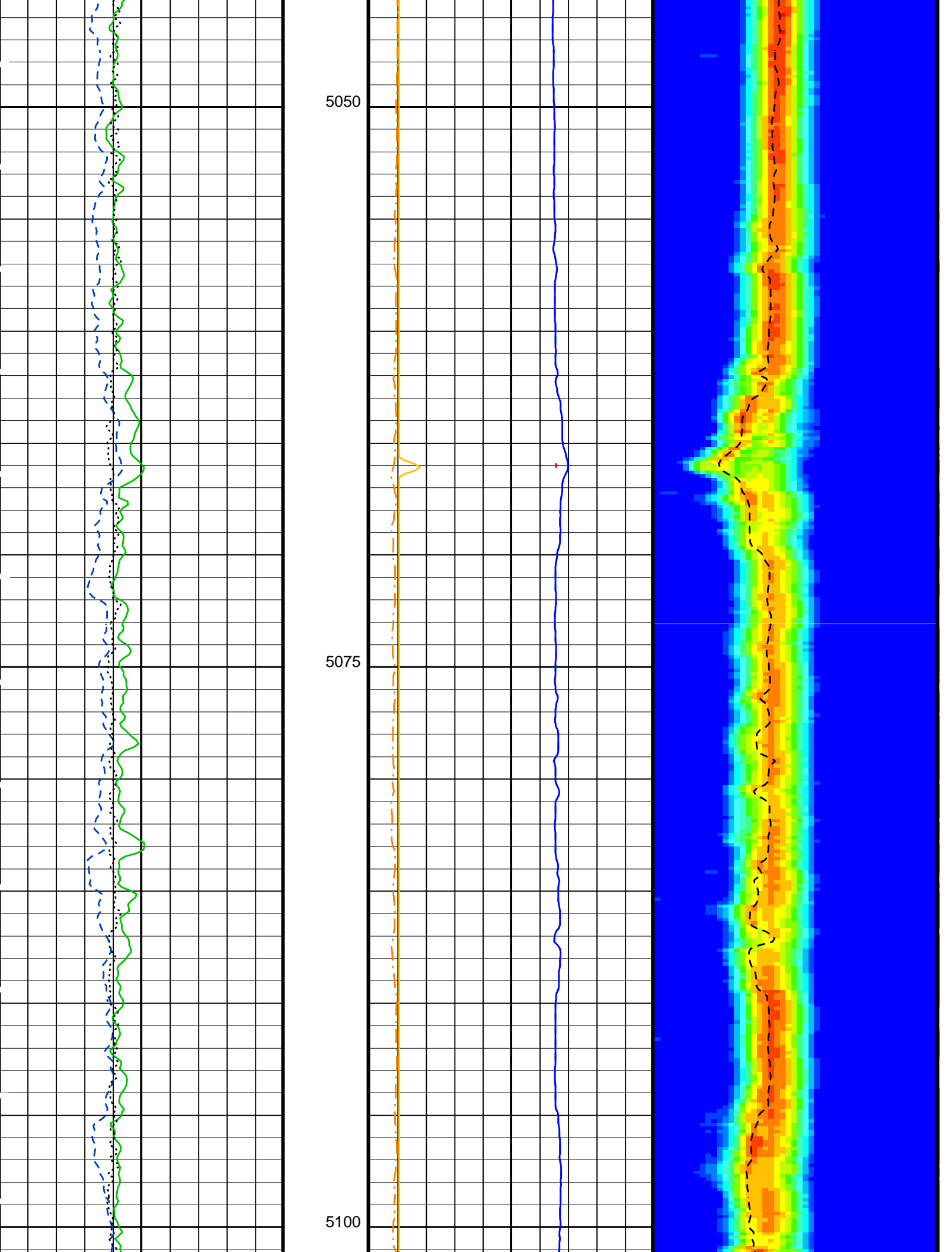
Time Mark Every 60 S

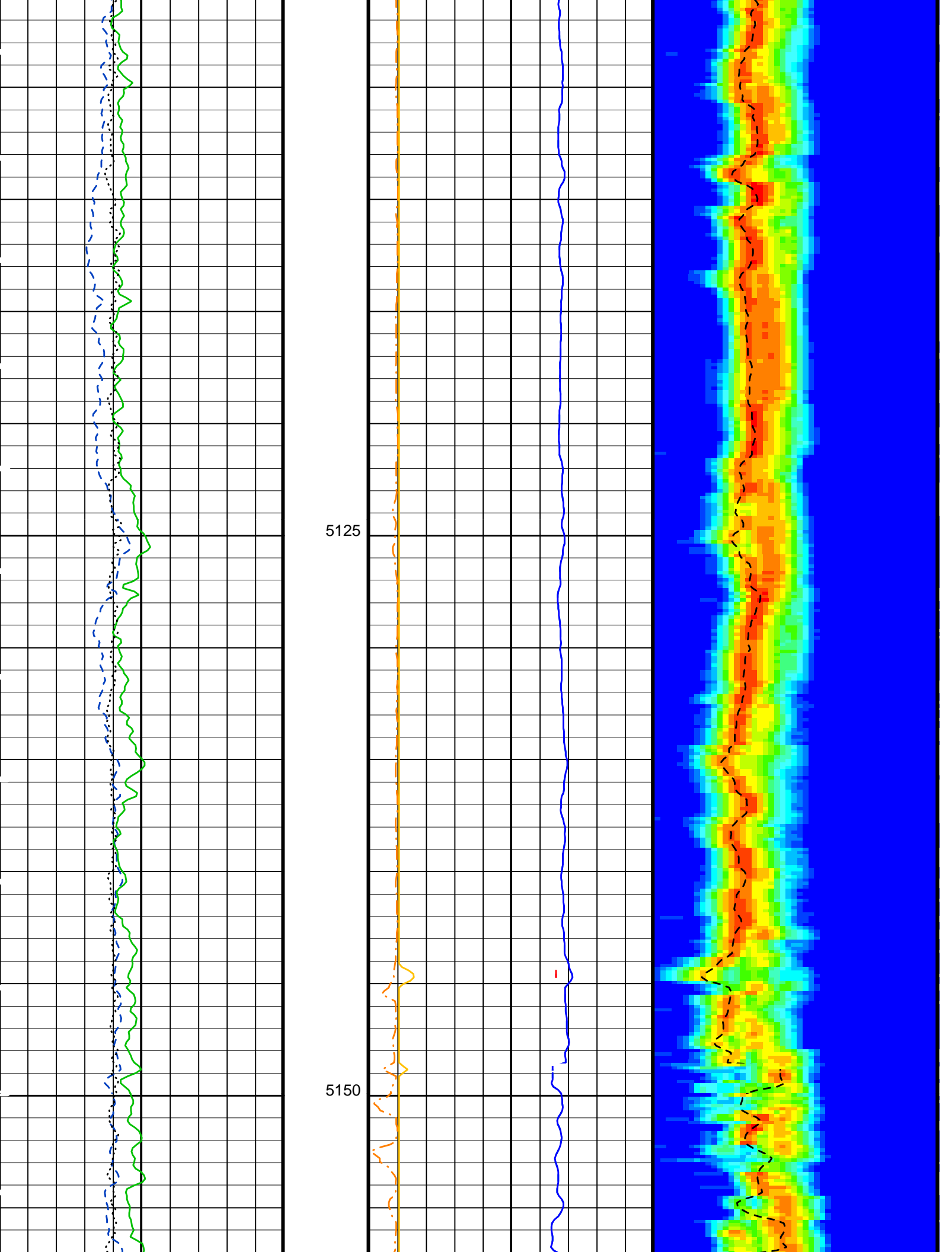


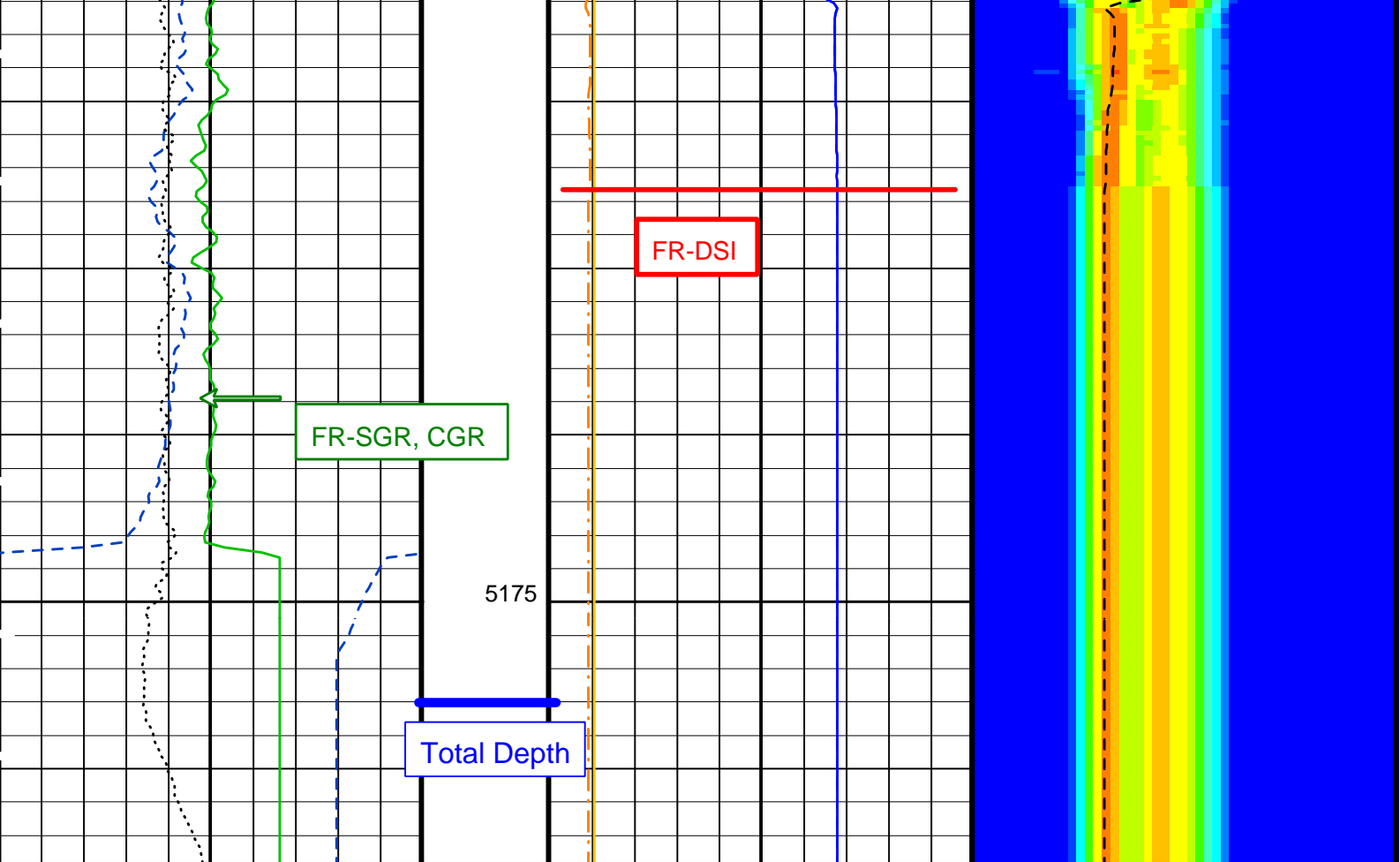












Computed Gamma Ray (CGR) (GAPI)	Peak Coherence / RA - P & S Comp (CHRP)	Delta-T Comp / RA - P & S (DTRP) (US/F)
Spectroscopy Gamma Ray (SGR) (GAPI)	Peak Coherence / RA - P & S Shear (CHRS)	Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)
Tension (TENS) (LBF)	Delta-T Comp / RA - P & S (DTRP) (US/F)	
	Delta-T Comp - P & S (DT4P) (US/F)	
	Delta-T Shear / RA - P & S (DTRS) (US/F)	
	Delta-T Shear - P & S (DT4S) (US/F)	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	Borehole Status	OPEN
BS	Bit Size	9.875 IN
CASF	Label Casing Function - Monopole P&S	50
CBAR	Constant Barite	1
CGMI	Spectro Computed Gamma Ray Minimum	0 GAPI
CGSH	Spectro Computed Gamma Ray Shale	100 GAPI
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	140 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	195 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DFD	Drilling Fluid Density	8.51 LB/G
DO	Depth Offset for Logical Unit 1	0.0 M

DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTF	Delta-T Fluid	189	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR	
KMIN	Potassium Minimum	0	
KSHA	Potassium Shale	0.02	
LFC	Label Formation Character - Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NFO	NGT Filtering Option	KALMAN	
PMUD	Potassium Mud	0	%
PP	Playback Processing	RECOMPUTE	
RSMN	Label Shear/Compressional Minimum Ratio - Monopole P&S	1.1	
RSMX	Label Shear/Compressional Maximum Ratio - Monopole P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM4	DSST Sonic Acquisition Mode 4 - High Frequency Monopole Mode for P&S	ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM4	STC Filter - Monopole P&S	B3-20K	
SGMI	Spectro Gamma Ray Minimum	0	GAPI
SGSH	Spectro Gamma Ray Shale	100	GAPI
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	140	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	180	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	140	US/F
SPVD	TVD of Starting Point	0	M
SST4	STC Slowness Step - Monopole P&S	2	US/F
STLL	Label Slowness Lower Limit - Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TIMD	Along-hole depth of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	0	M
TLL4	STC Time Lower Limit - Monopole P&S	760	US
TMIN	Thorium Minimum	0	PPM
TSHA	Thorium Shale	12	PPM
TST4	STC Time Step - Monopole P&S	50	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UMIN	Uranium Minimum	0	PPM
USHA	Uranium Shale	3	PPM

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06-Jun-2000 17:09

OP System Version: 9C1-303
MCM

MEST-B	9C1-303	NGT-C	9C1-303
DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

Input DLIS Files

DEFAULT	MESTB .024	FN:28	PRODUCER	06-Jun-2000 13:00	5182.8 M	4859.0 M
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Output DLIS Files

DEFAULT	MESTB .031	FN:41	PRODUCER	06-Jun-2000 17:09
FMS3_CUST	MESTB .031	FN:42	PRODUCER	06-Jun-2000 17:09

COMPANY: Lamont Doherty	BOTTOM LOG INTERVAL	5177 m
	SCHLUMBERGER DEPTH	5178 m

WELL:	ODP Leg 190, Site 1173A	DEPTH DRILLER	5536.2 m
FIELD:	Nankai Trough	KELLY BUSHING	11.3 m
Country:	Japan	DRILL FLOOR	11 m
Ocean:	Pacific	GROUND LEVEL	-4801.9 m

Schlumberger

Dipole Sonic P&S-HNGS