

COMPANY: Lamont Doherty

WELL: ODP Leg 199, Site 1218 A (PAT-8C)

FIELD:

Ocean: Pacific

DSST
Dipole Shear, Monopole Comp.
Natural Gamma Ray



LAT: 8 DEG 53.089' N
LONG: 135 DEG 21.992' W

Elev.: K.B. 11.3 m
G.L. -4837 m
D.F. 11 m

Permanent Datum: MSL Elev.: 0 m
Log Measured From: RKB 11.3 m above Perm. Datum
Drilling Measured From: RKB

Field: Location: LAT: 8 DEG 53.089' N
Well: ODP Leg 199, Site 1218 A (PAT-8C)
Company: Lamont Doherty

LOCATION		Longitude	Latitude
API Serial No.	Max. Hole Devi. 1 deg		

Logging Date 16-Nov-2001

Run Number 1

Depth Driller 5114 m

Schlumberger Depth 5112 m

Bottom Log Interval 5090 m

Top Log Interval 4900 m

Casing Driller Size @ Depth 0.000 in @ 4917 m

Casing Schlumberger 4915.5 m

Bit Size 11.438 in

Type Fluid In Hole Sepiolite/Saltwater

Density 1.066 g/cm3

Fluid Loss PH

Source Of Sample Mudpit

RM @ Measured Temperature 0.253 ohm.m @ 32 degC

RMF @ Measured Temperature @ @

RMC @ Measured Temperature @ @

Source RMF RMC none @ @

RM @ MRT RMC @ @

Maximum Recorded Temperatures 9 degC @ 9 @ 9

Circulation Stopped Time 16-Nov-2001 11:00

Logger On Bottom Time 17-Nov-2001 12:24

Unit Number 99 Location Houston, TX

Recorded By Kerry M. Swain

Witnessed By Philippe Galliot, Brice Rea

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 PH

Source Of Sample

RM @ Measured Temperature

RMF @ Measured Temperature

RMC @ Measured Temperature

Source RMF RMC

RM @ MRT RMC @ @

Maximum Recorded Temperatures

Circulation Stopped Time

Logger On Bottom Time

Unit Number Location

Recorded By

Witnessed By

Run 1

Run 2

Run

DISCLAIMER




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

OTHER SERVICES1 OS1: DITE/HLDT/APS/HNGS OS2: FMS OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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REMARKS: RUN NUMBER 1 Hole cored with APC/XCB. Log presented in Meters Below Rig Floor (MBRF). Lamont Temperature tool (TAP) was run on Triple Combo, Run 1. Toolstring-MESTB/NGTC/MCD/DSSTB/MCD/LEHQT Lamont Multi-Sensor Gamma Ray tool (MGT) was run on Triple Combo, Run 1. Wireline Heave Compensator (WHC) was used on all runs. Sepiolite mud was used to displace the hole during the wiper trip after drilling Drillers TD 5114 MBRF, Driller Pipe depth: 4917 MBRF. Schlumberger TD 5112 MBRF. Drill Pipe Schlumberger 4915.5 MBRF.	REMARKS: RUN NUMBER 2
Drill pipe moved up on 2nd pass to 4900 mbrf approximately. Low frequency used on 1st pass for both dipole and monopole transmitters. High frequency used on 2nd pass for both transmitters.	

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

EQUIPMENT DESCRIPTION

RUN 1		RUN 2	
SURFACE EQUIPMENT			
GSR-U DTM-A 8312			
DOWNHOLE EQUIPMENT			
LEH-QT LEH-QT 1726		33.28	
DTC-H ECH-KC 9350	CTEM TelStatus ToolStatu 	32.11 32.39 31.48	
AH-mcd_top AH-mcd_top 22		31.48	

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

29.19

PWF — 13.65

AH-MCD

13.65

DTA-A
ECH-KE 8455

11.52

NGT-C
 NGD-A 1720
 NGH-B 1721
 NGC-C 1731
 NGCH-A 1733

Detector — 9.92

10.30

MEST-B
 MEAH-B 702
 MEAC-A 804
 MEPH-A 702
 GPIC-A 719
 MEPC-AB
 MEDS-B 724

7.68

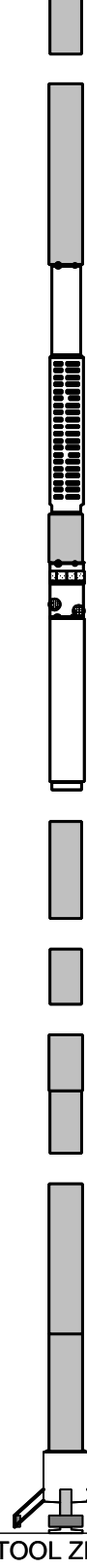
MEDR MEAC
 MEPC MEDS-B
 HV DF
 Tension GPIT

0.46

0.00

TOOL ZERO

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



Output DLIS Files

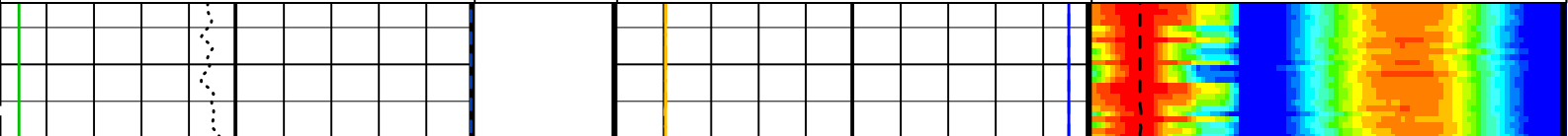
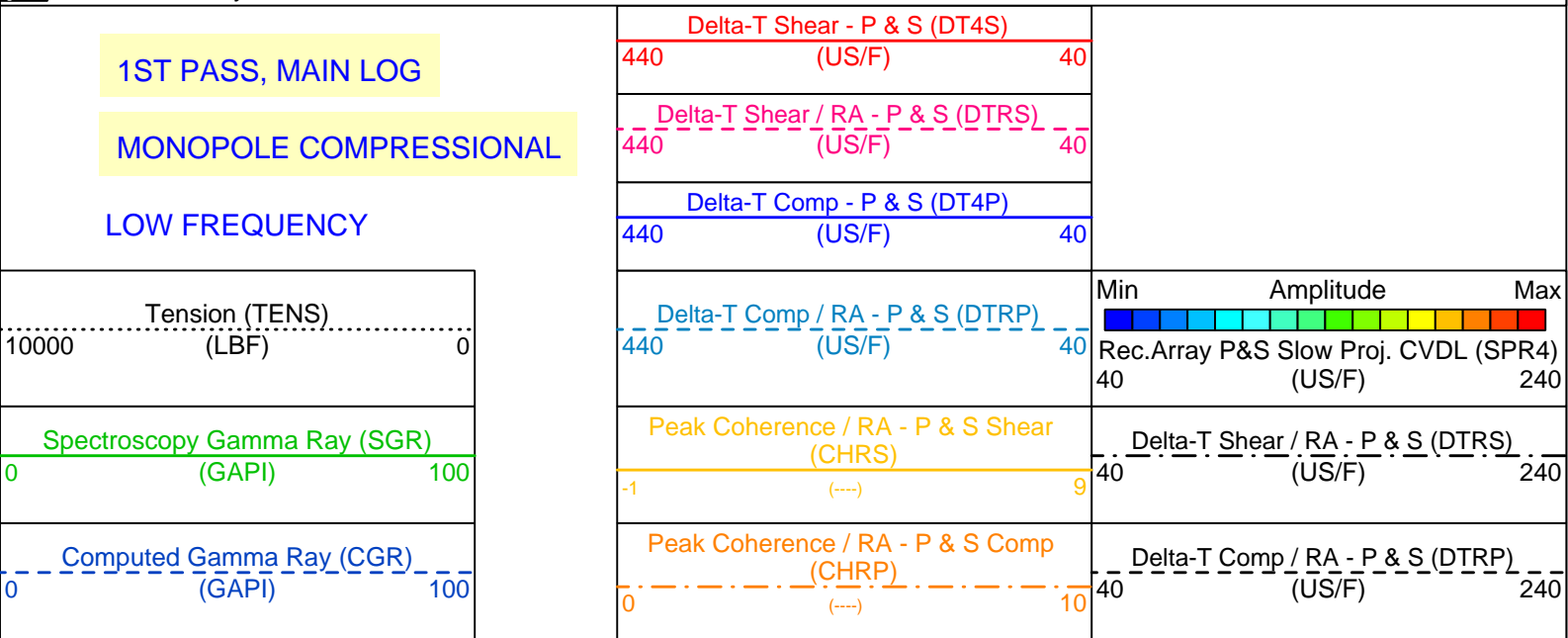
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REDUCED	FMS_NGS_DSI_016LUP	FN:26	PRODUCER	17-Nov-2001 12:24	5118.2 M	4908.3 M

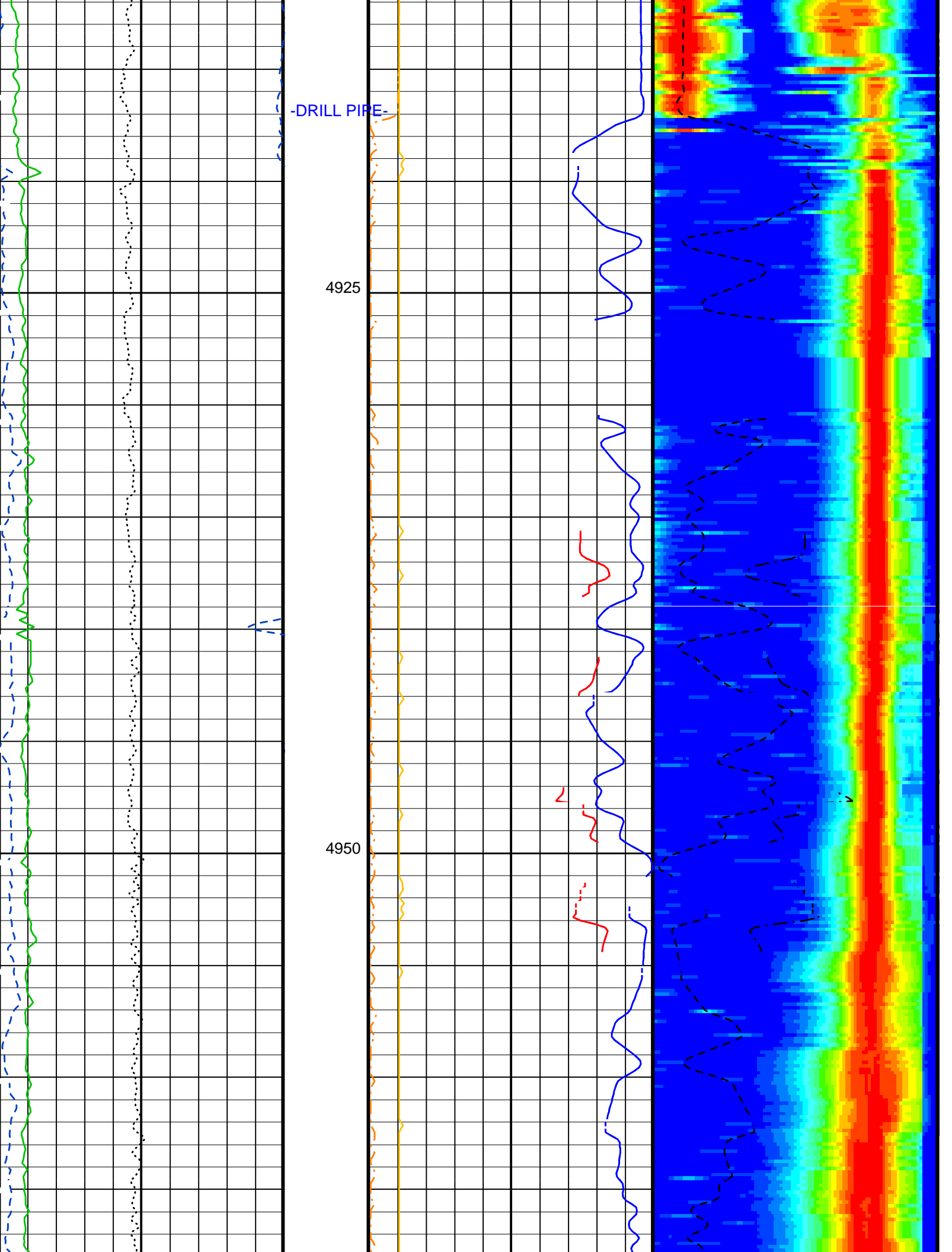
OP System Version: 9C2-303 MCM

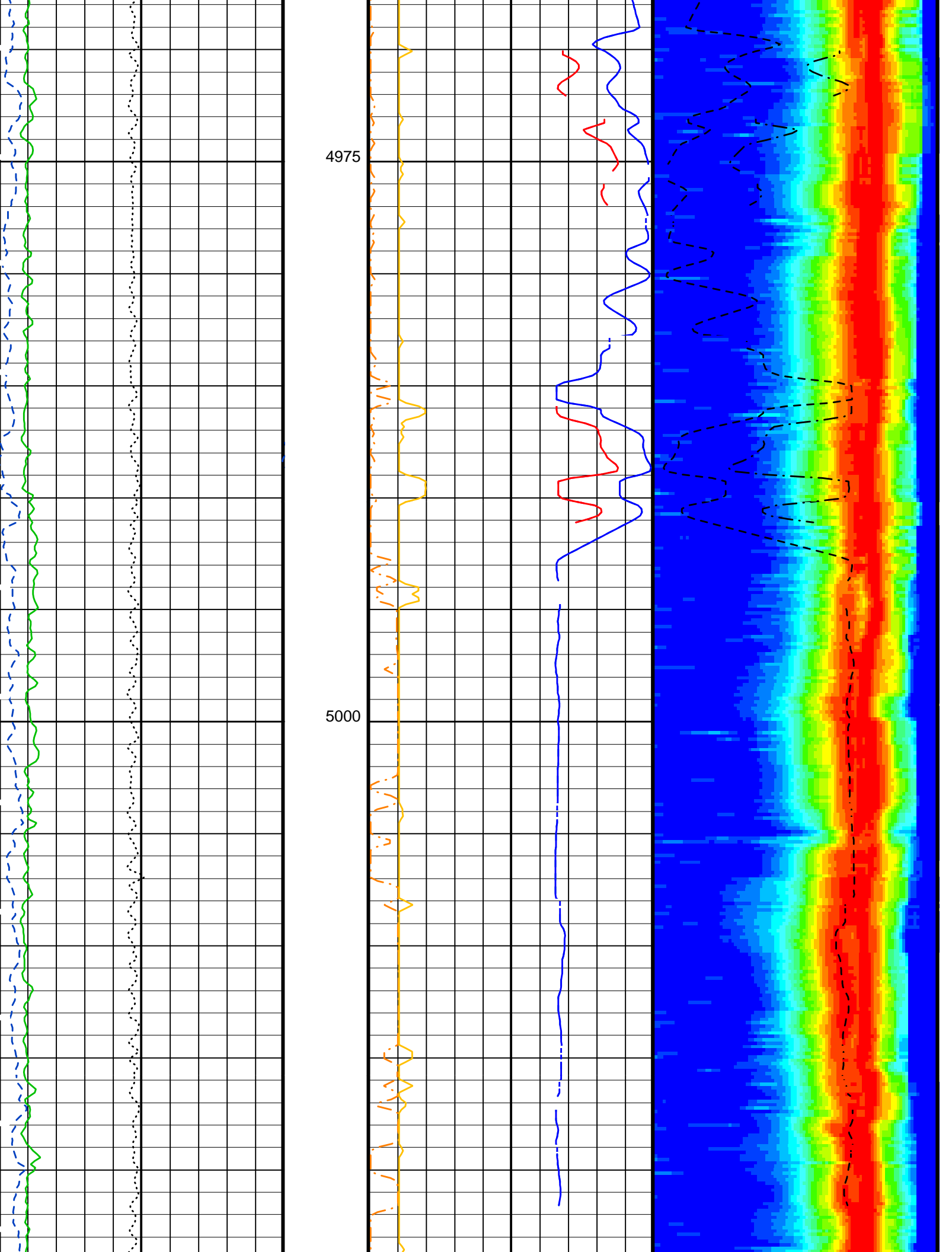
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DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

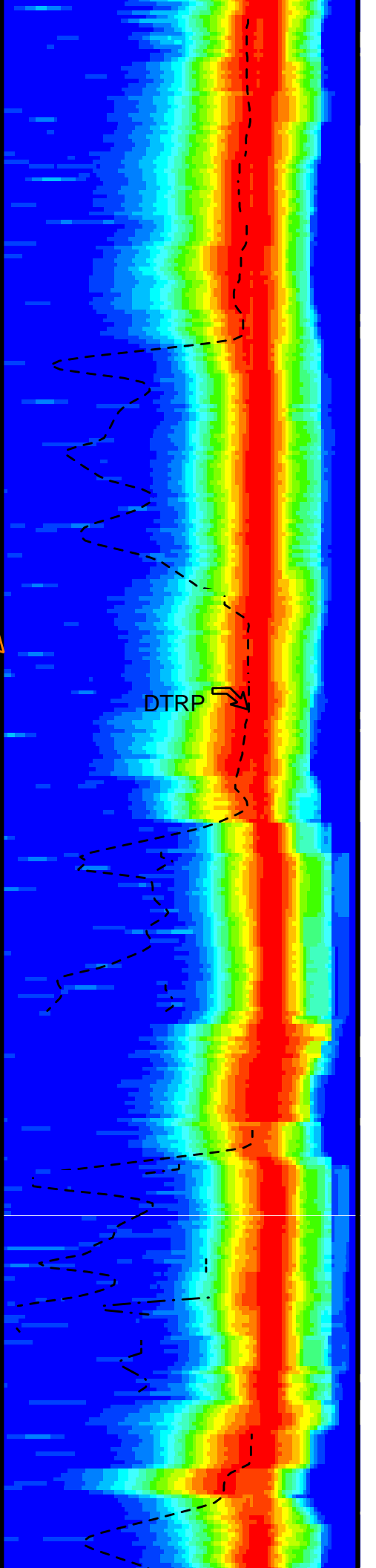
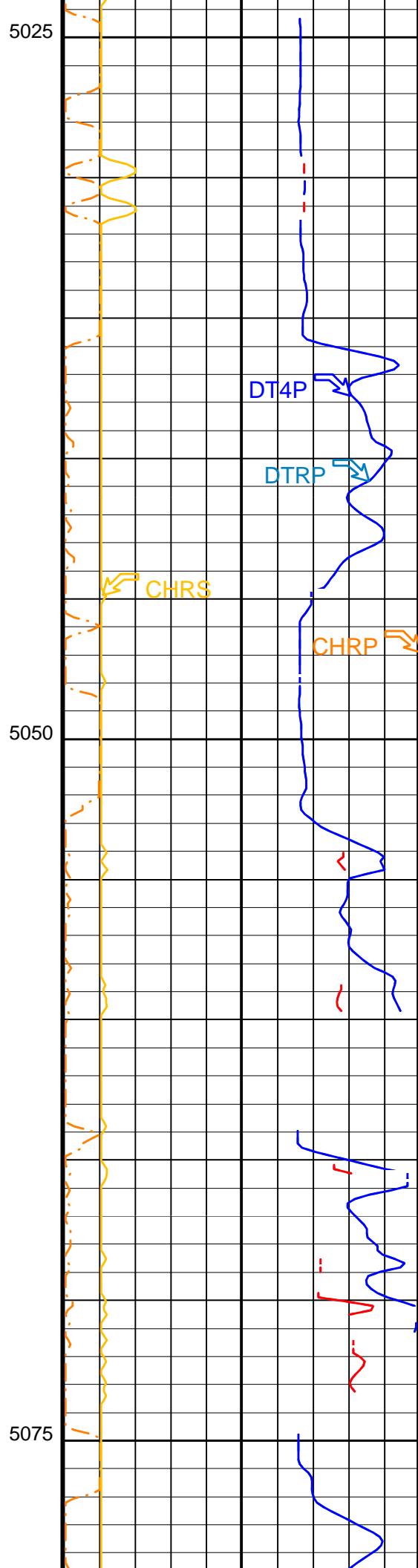
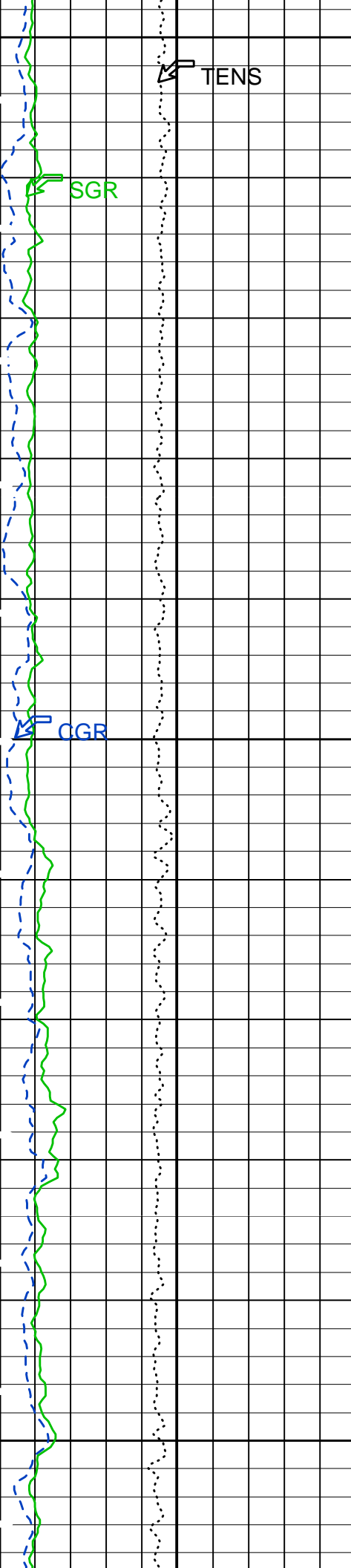
PIP SUMMARY

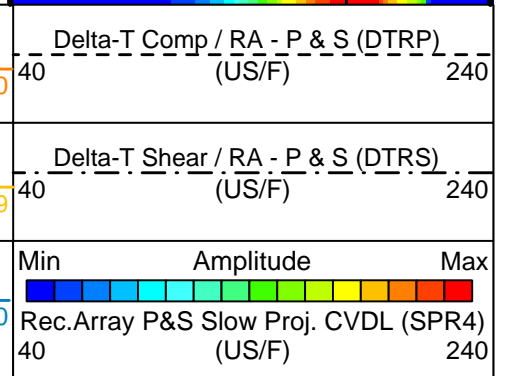
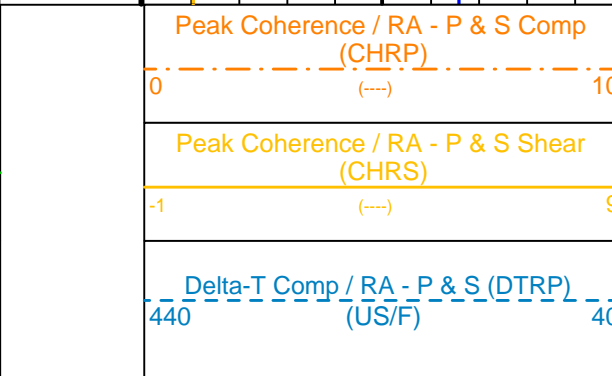
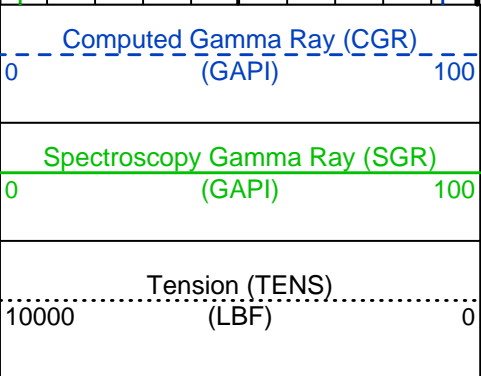
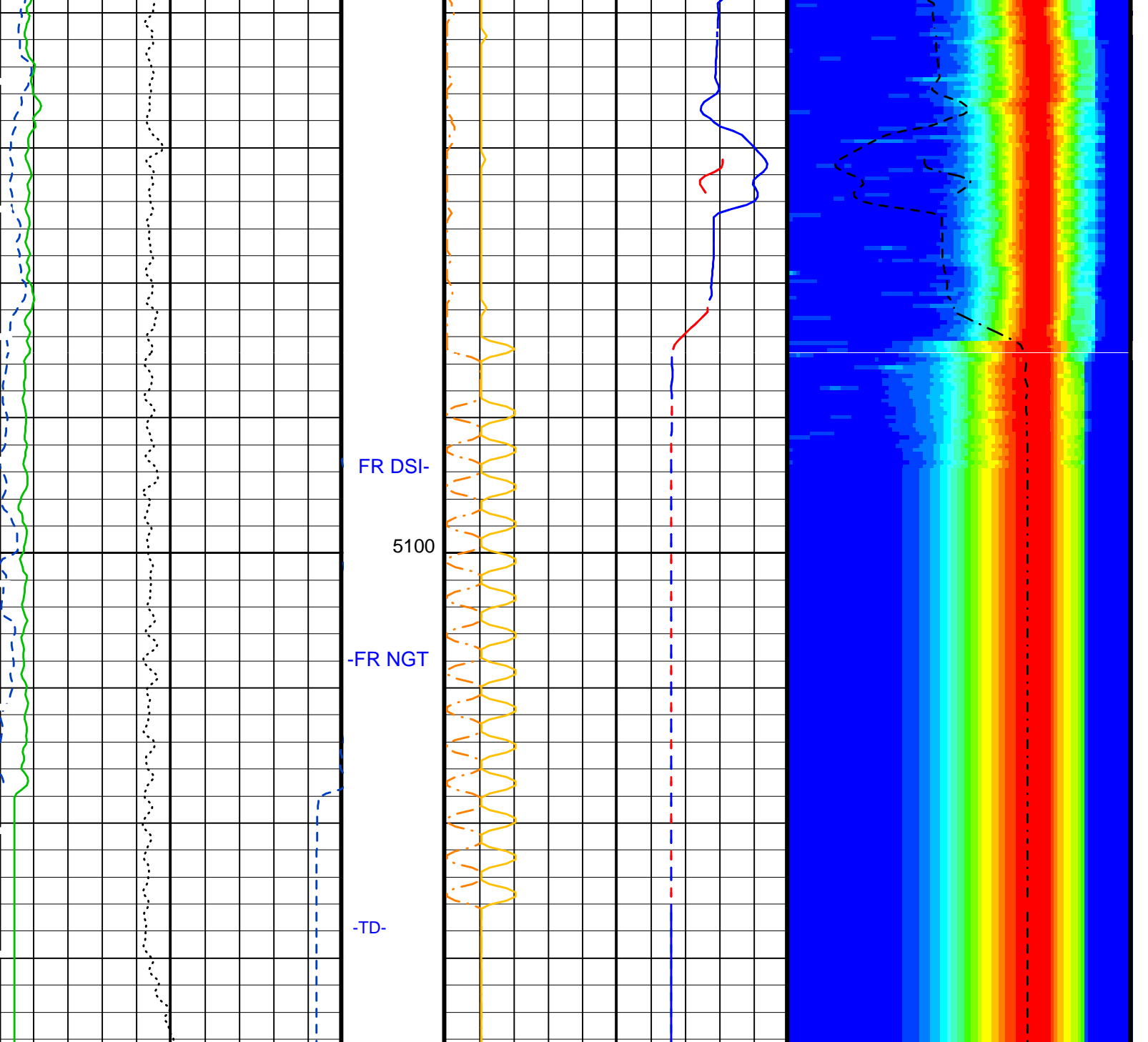
Time Mark Every 60 S











1ST PASS, MAIN LOG

MONOPOLE COMPRESSIONAL

LOW FREQUENCY

440 (US/F) 40

440 (US/F) 40

440 (US/F) 40

40 (US/F) 240

40 (US/F) 240

Parameters

DLIS Name	Description	Value	
BHS	Borehole Status	OPEN	
BS	Bit Size	11.438	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	40	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	180	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DFD	Drilling Fluid Density	1.07	G/C3
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	1.4	
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	LFD_EVEN	
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	B3-12K	
SGMI	Spectro Gamma Ray Minimum	0	GAPI
SGSH	Spectro Gamma Ray Shale	100	GAPI
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	75	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	180	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	40	US/F
SST4	STC Slowness Step - Monopole P&S	2	US/F
SSW4	STC Source Waveform - Monopole P&S	WF_SAM4	
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	150	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: 17-Nov-2001 12:24

OP System Version: 9C2-303
MCM

MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

Output DLIS Files

DEFAULT	FMS_NGS_DSI_016LUP	FN:25	PRODUCER	17-Nov-2001 12:24
REDUCED	FMS_NGS_DSI_016LUP	FN:26	PRODUCER	17-Nov-2001 12:24

Output DLIS Files

DEFAULT	FMS_NGS_DSI_016LUP	FN:25	PRODUCER	17-Nov-2001 12:24	5118.2 M	4908.3 M
REDUCED	FMS_NGS_DSI_016LUP	FN:26	PRODUCER	17-Nov-2001 12:24	5118.2 M	4908.3 M

OP System Version: 9C2-303

MCM

MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

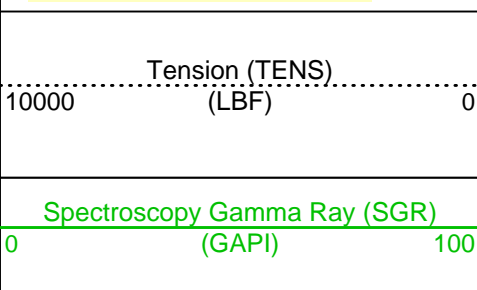
PIP SUMMARY

LOW FREQUENCY

Time Mark Every 60 S

1ST PASS, MAIN LOG

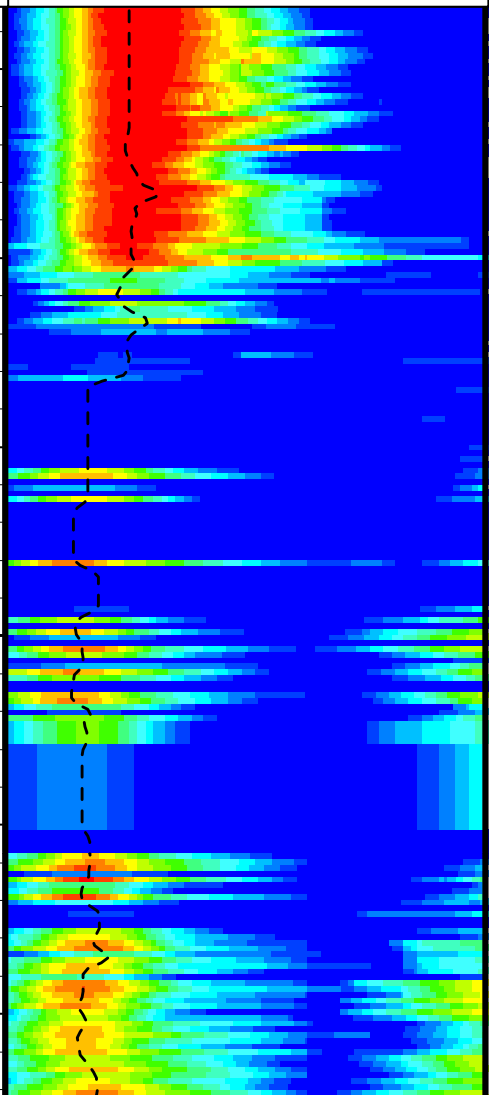
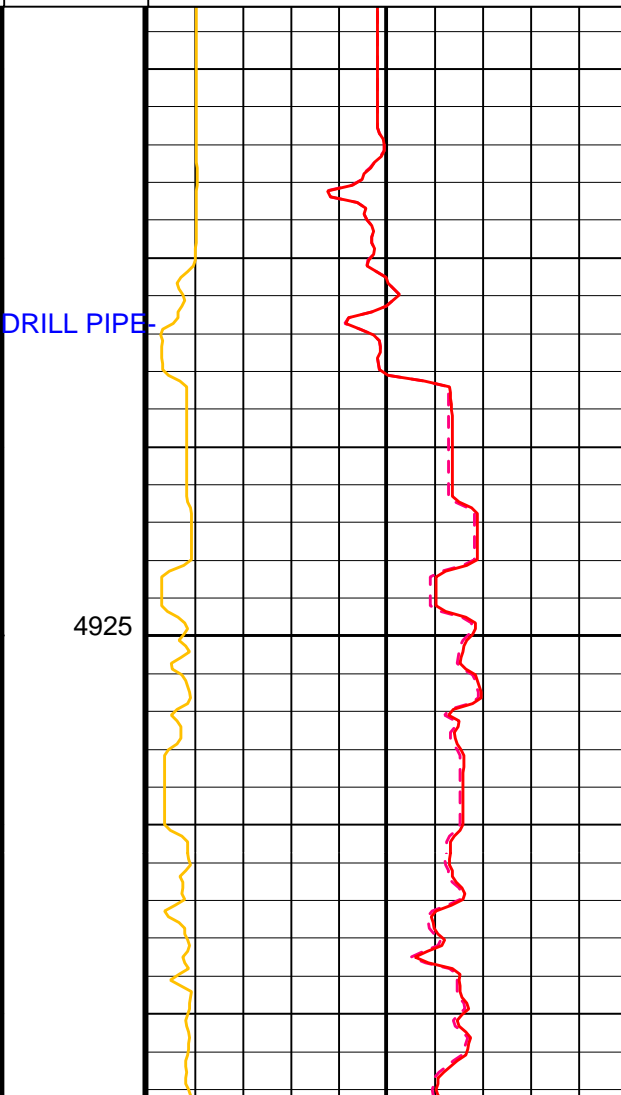
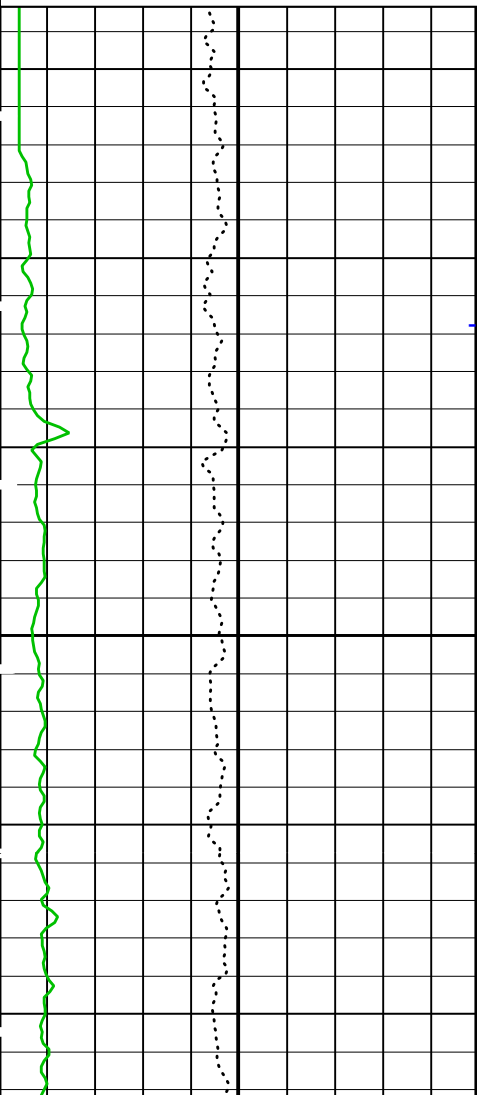
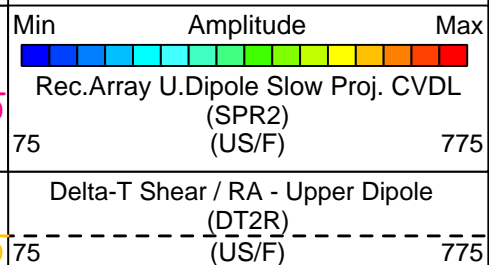
DIPOLE SHEAR



Delta-T Shear - Upper Dipole (DT2)
440 (US/F) 40

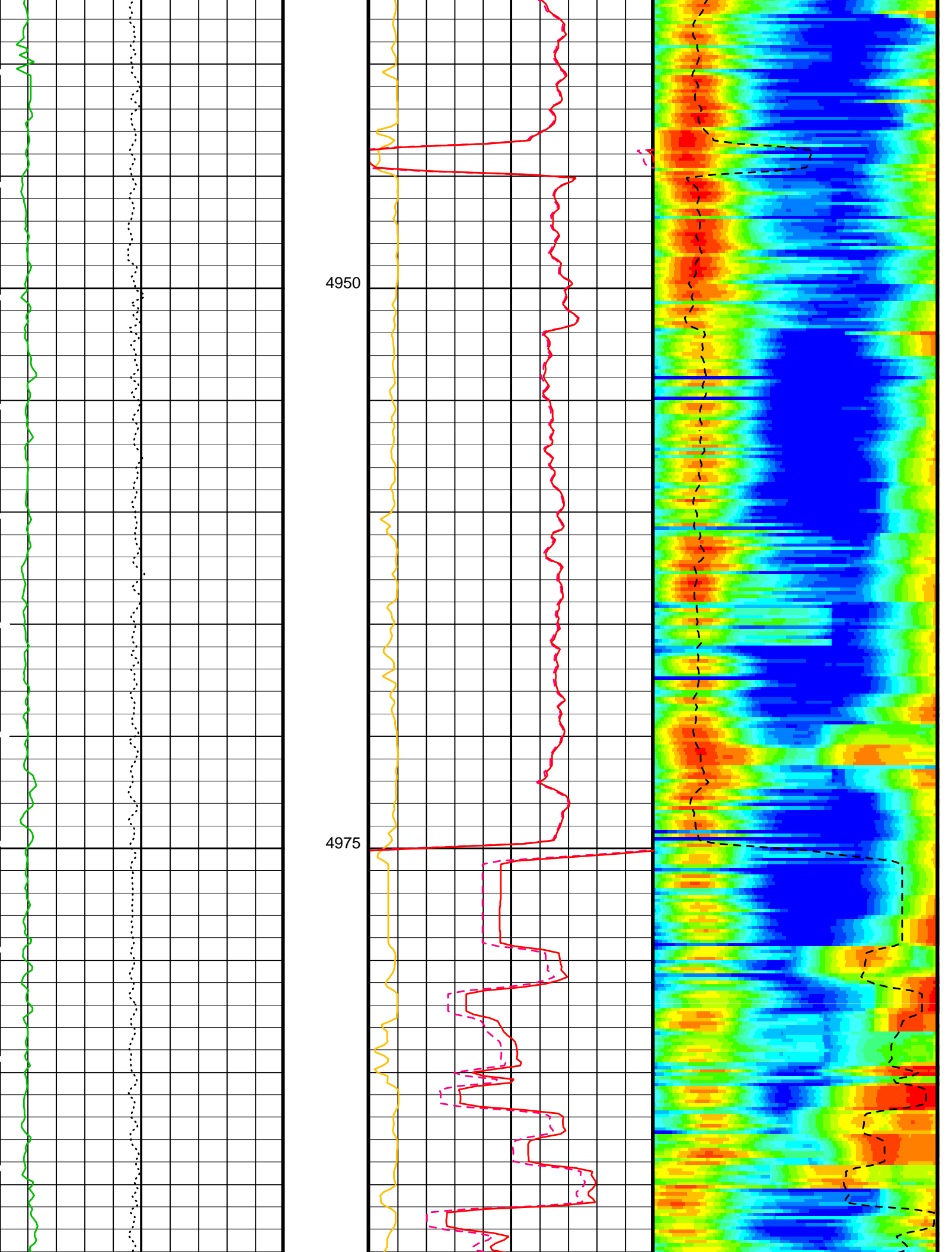
Delta-T Shear / RA - Upper Dipole (DT2R)
440 (US/F) 40

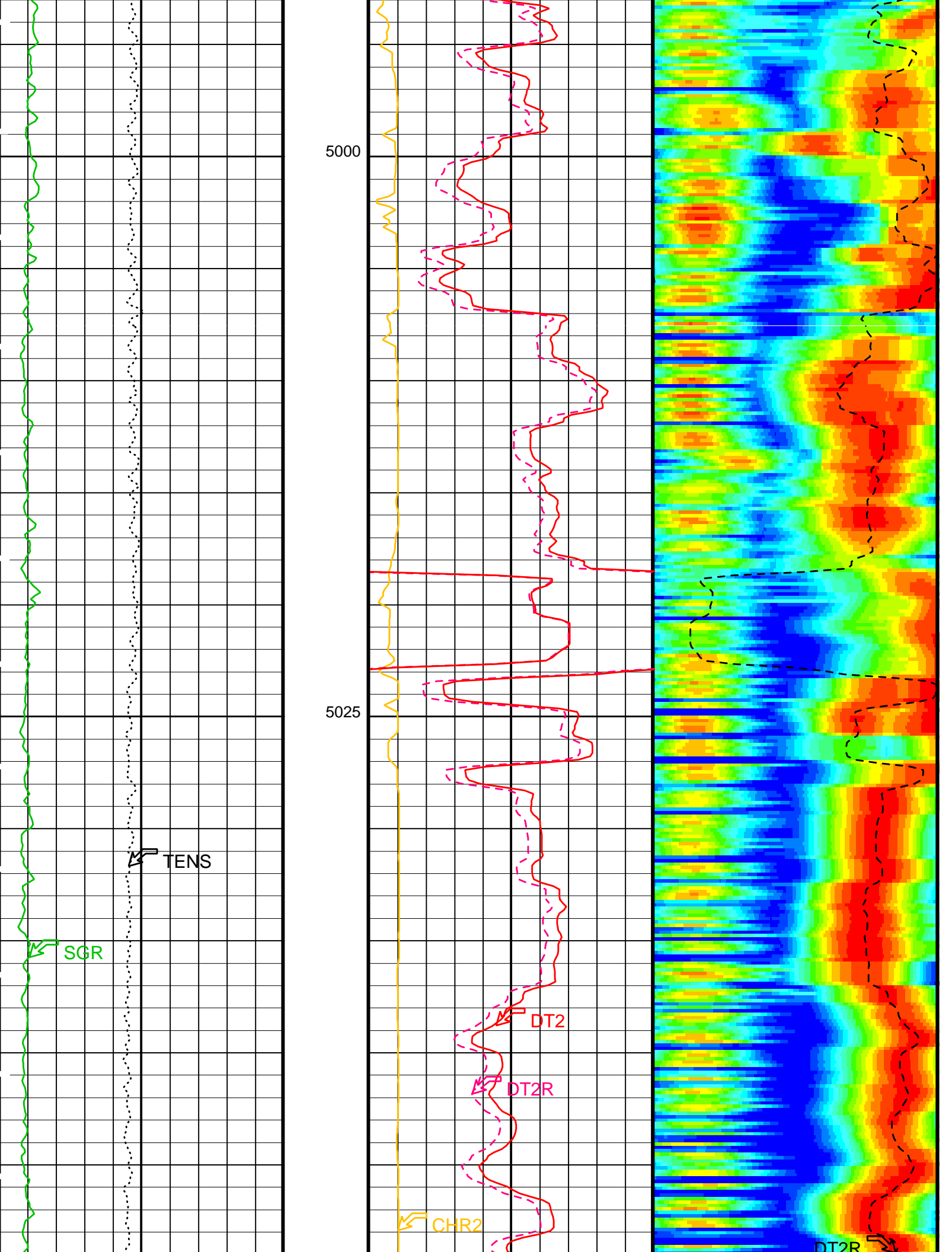
Peak Coherence / RA - Upper Dipole (CHR2)
0 (---) 10

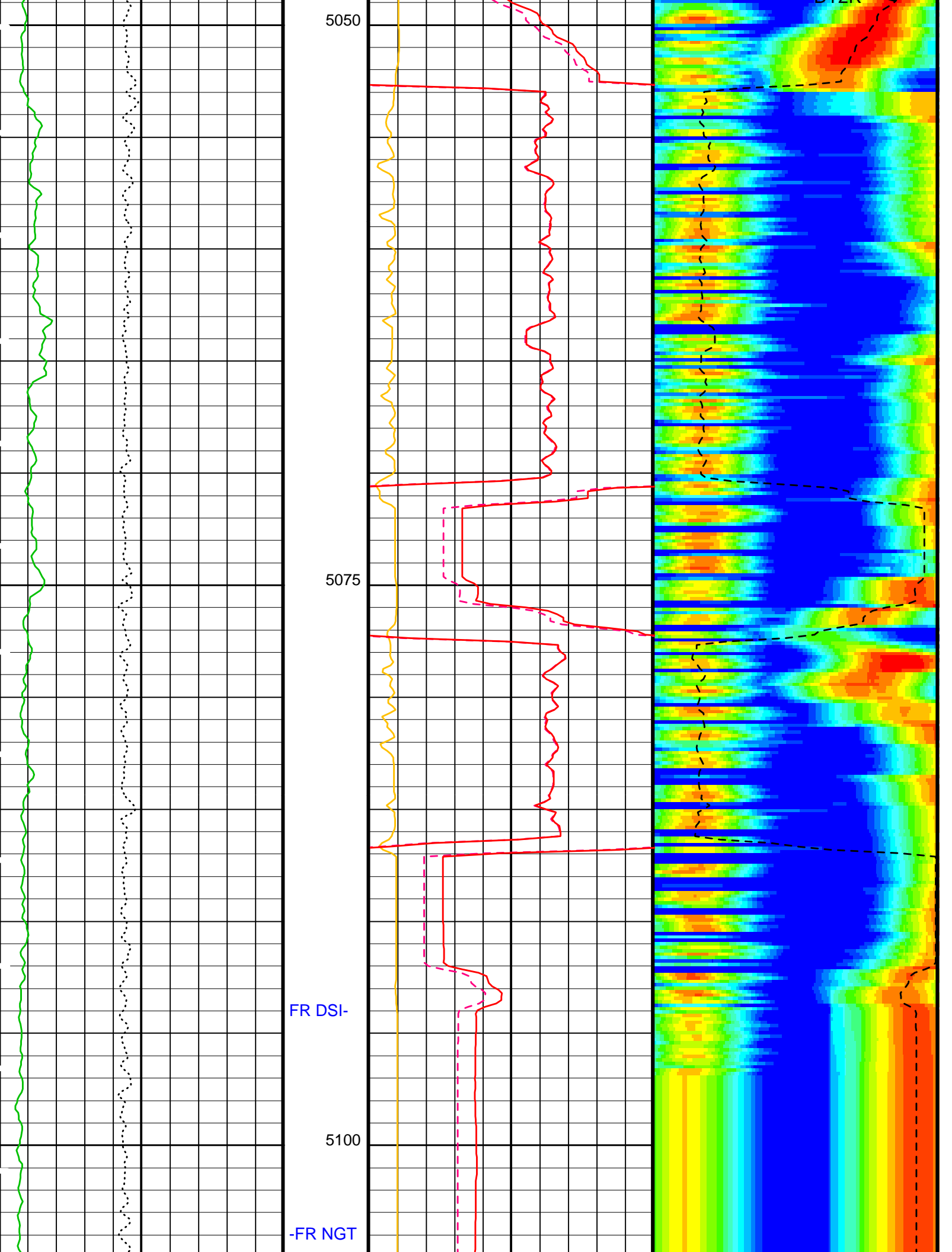


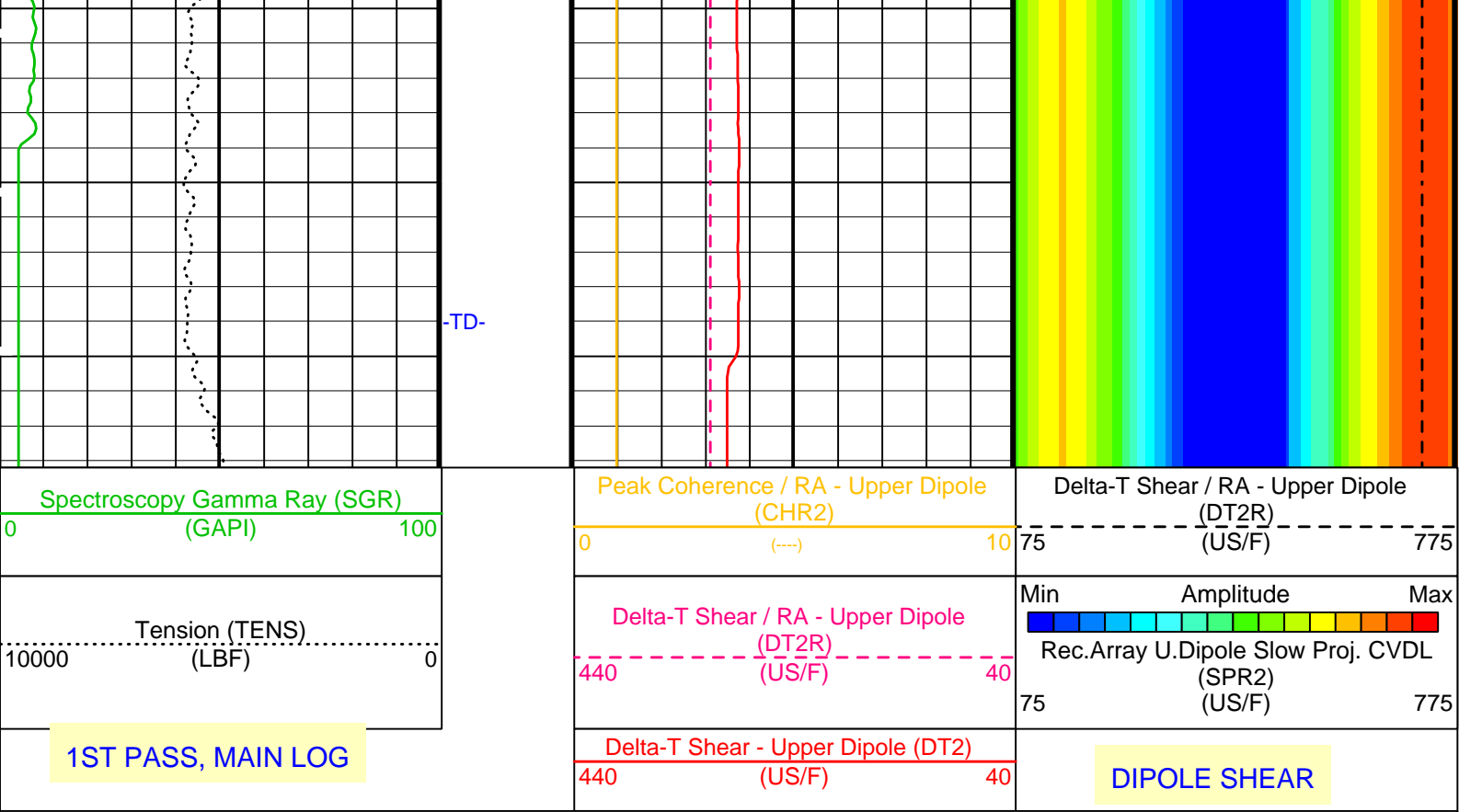
DRILL PIPE

4925









PIP SUMMARY

LOW FREQUENCY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
BS	Bit Size	11.438	IN
CBAR	Constant Barite	1	
CGMI	Spectro Computed Gamma Ray Minimum	0	GAPI
CGSH	Spectro Computed Gamma Ray Shale	100	GAPI
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DFD	Drilling Fluid Density	1.07	G/C3
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	75	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	775	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
KMIN	Potassium Minimum	0	
KSHA	Potassium Shale	0.02	
NFO	NGT Filtering Option	KALMAN	
PMUD	Potassium Mud	0	%
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
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	LFD_ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B.3-1.5K	
SGMI	Spectro Gamma Ray Minimum	0	GAPI
SGSH	Spectro Gamma Ray Shale	100	GAPI
SLL2	STC Slowness Lower Limit - Upper Dipole	75	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SLL2	STC Slowness Lower Limit - Upper Dipole	775	US/F

SUL2	STC Slowness Upper Limit - Upper Dipole	775	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TMIN	Thorium Minimum	0	PPM
TSHA	Thorium Shale	12	PPM
TST2	STC Time Step - Upper Dipole	200	US
TUL2	STC Time Upper Limit - Upper Dipole	15525	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UMIN	Uranium Minimum	0	PPM
USHA	Uranium Shale	3	PPM
UTXG	Upper Dipole Transmitter Geometry	162	IN

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 17-Nov-2001 12:24

OP System Version: 9C2-303 MCM

MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

Output DLIS Files

DEFAULT	FMS_NGS_DSI_016LUP	FN:25	PRODUCER	17-Nov-2001 12:24
REDUCED	FMS_NGS_DSI_016LUP	FN:26	PRODUCER	17-Nov-2001 12:24

Output DLIS Files

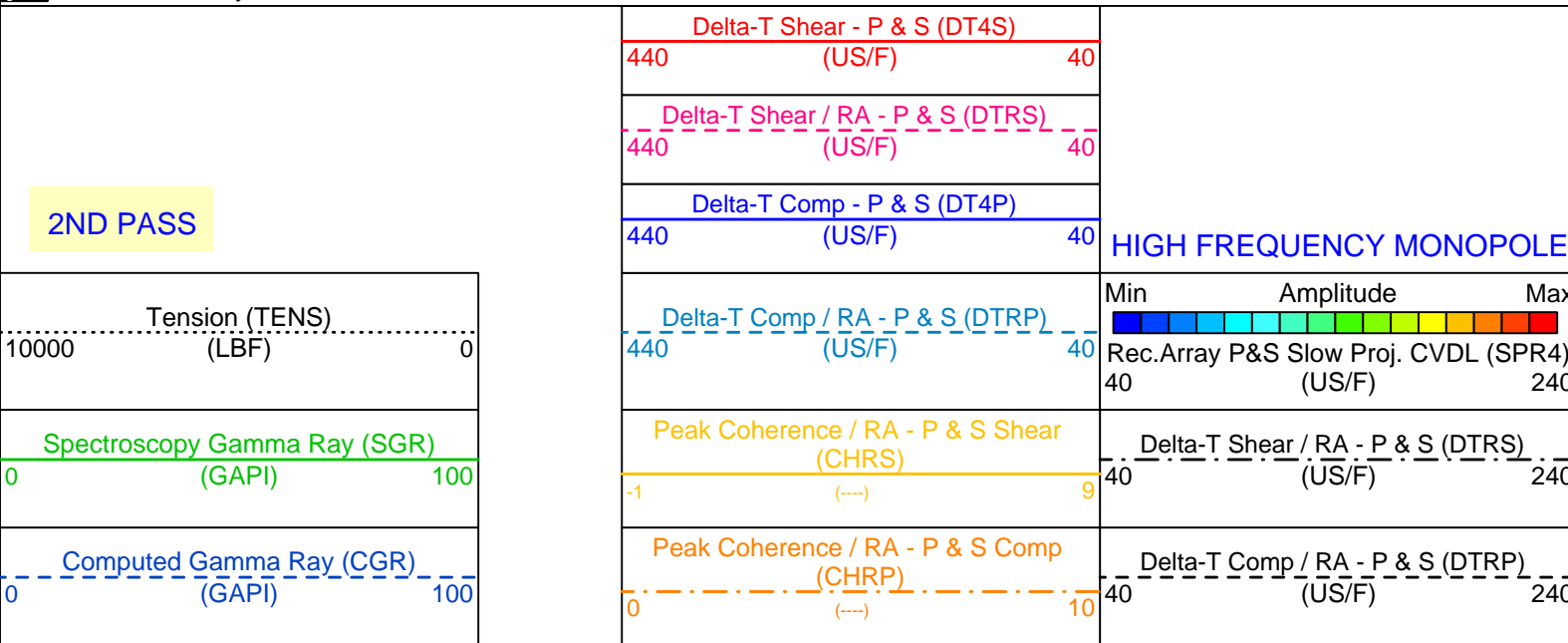
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OP System Version: 9C2-303 MCM

MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

PIP SUMMARY

Time Mark Every 60 S

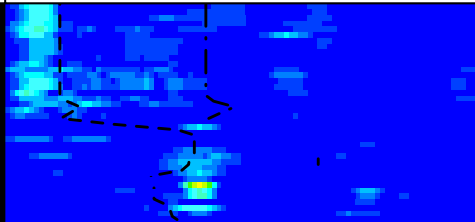


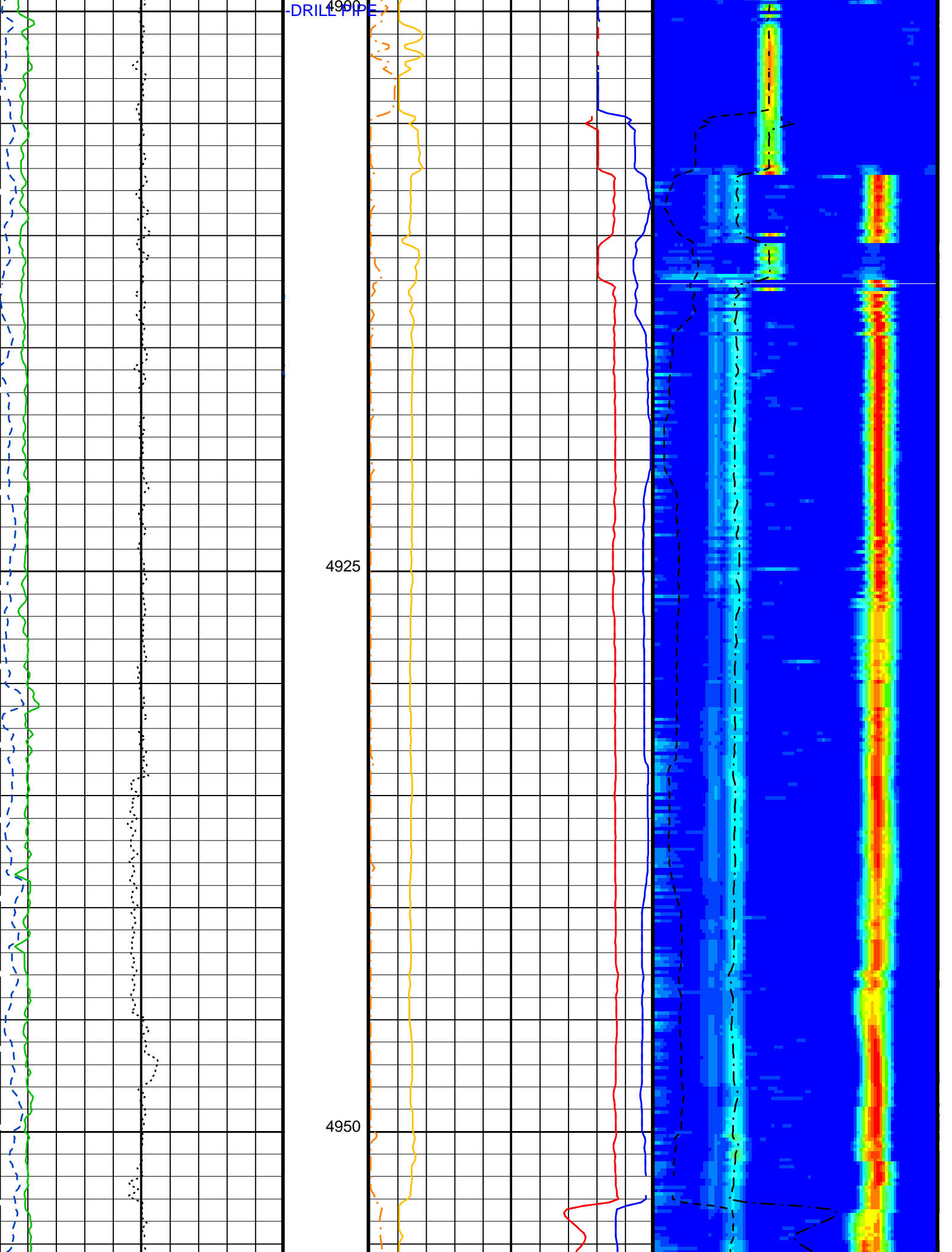
HIGH FREQUENCY MONOPOLE

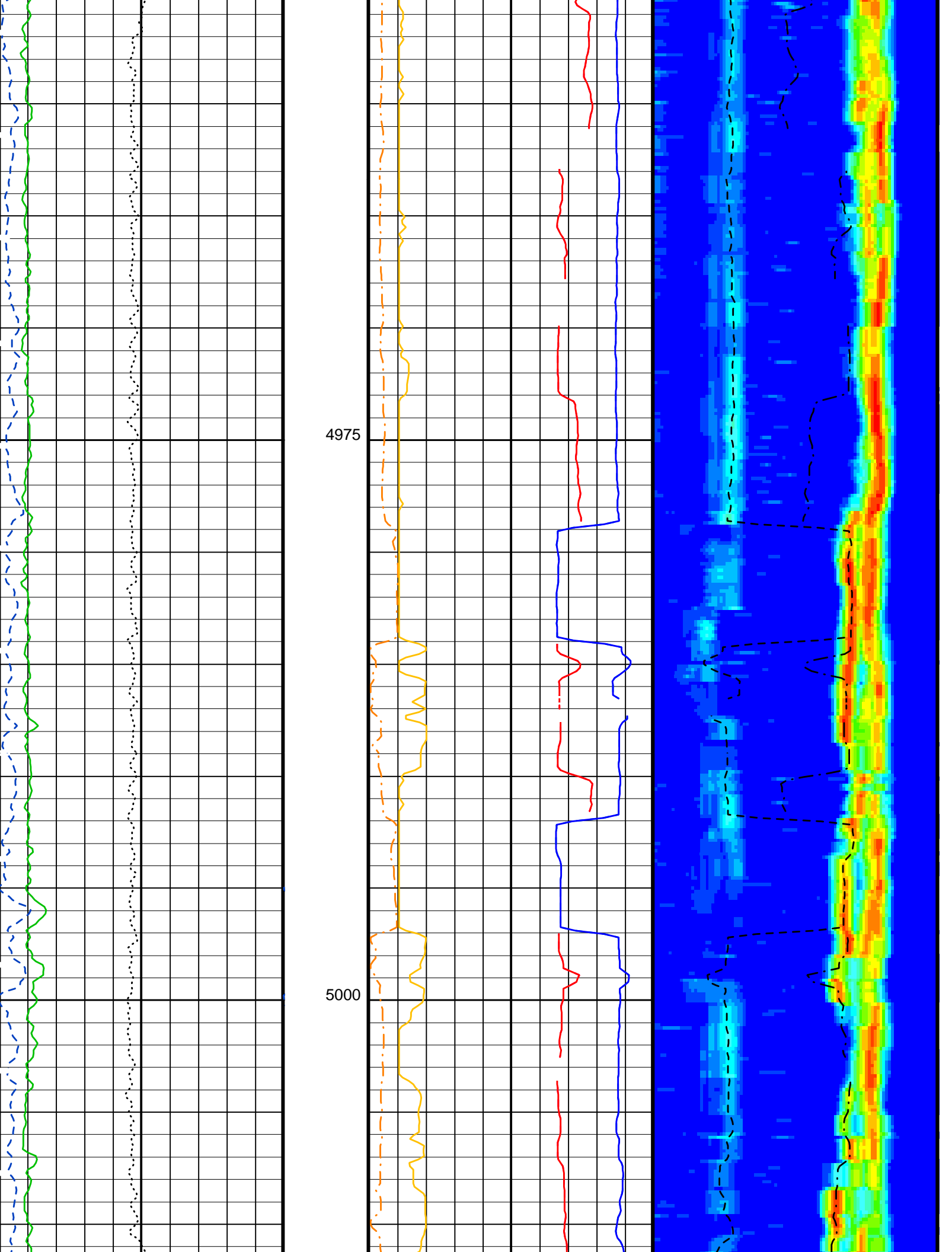
Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
40 (US/F) 240

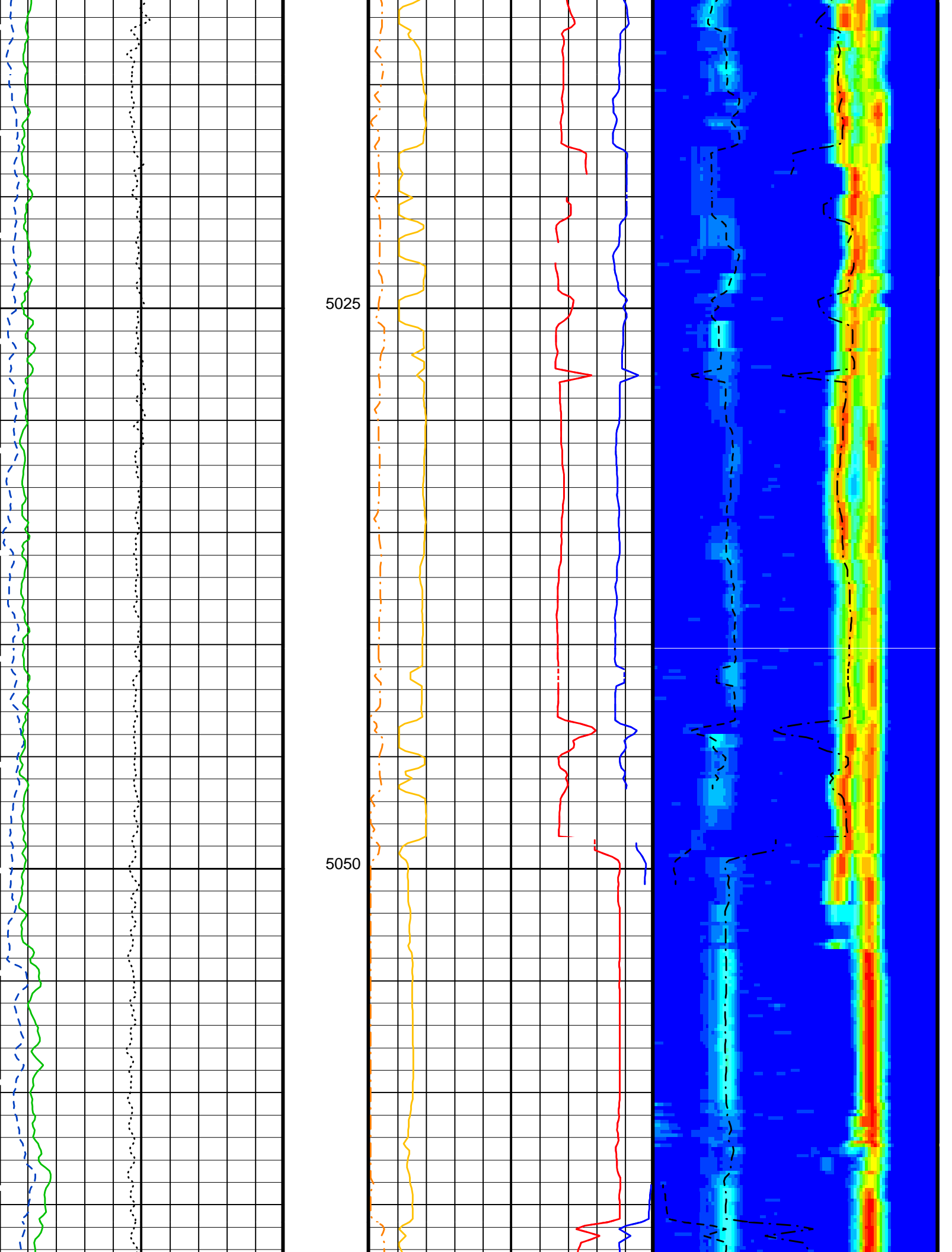
Delta-T Shear / RA - P & S (DTRS)
40 (US/F) 240

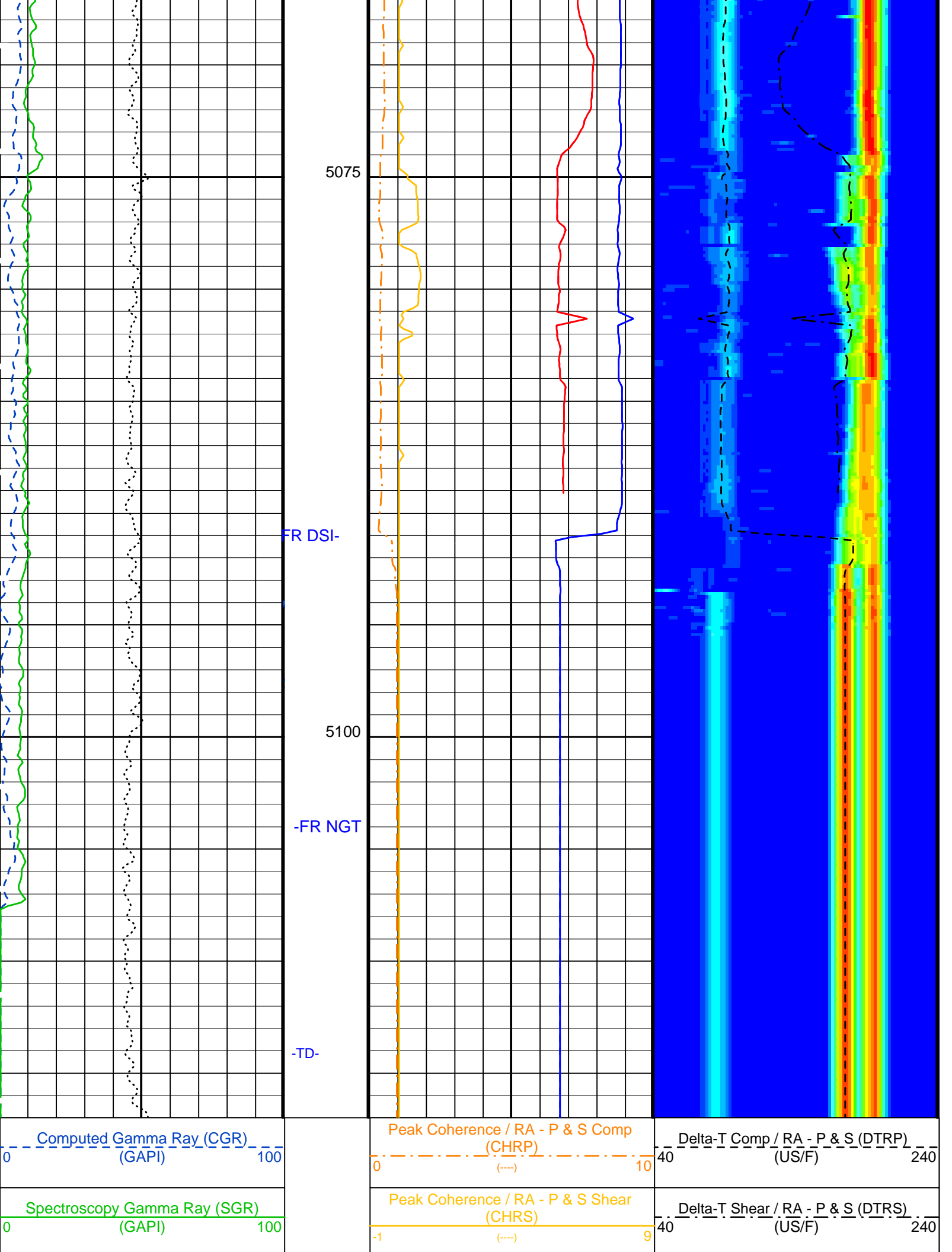
Delta-T Comp / RA - P & S (DTRP)
40 (US/F) 240











5075

5100

FR DSI-

-FR NGT

-TD-

Computed Gamma Ray (CGR)
(GAPI)

Spectroscopy Gamma Ray (SGR)
(GAPI)

Peak Coherence / RA - P & S Comp
(CHRP)

Peak Coherence / RA - P & S Shear
(CHRS)

Delta-T Comp / RA - P & S (DTRP)
(US/F)

Delta-T Shear / RA - P & S (DTRS)
(US/F)

0

100

0

100

0

10

-1

9

40

240

40

240

Tension (TENS) (LBF)	Delta-T Comp / RA - P & S (DTRP) (US/F)	Min 40	Amplitude Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)	Max 240
10000	440			
0	40	HIGH FREQUENCY MONOPOLE		
2ND PASS	Delta-T Comp - P & S (DT4P) (US/F)			
	440			
	40			
	Delta-T Shear / RA - P & S (DTRS) (US/F)			
	440			
	40			
	Delta-T Shear - P & S (DT4S) (US/F)			
	440			
	40			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	Borehole Status	OPEN
BS	Bit Size	11.438 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	40 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	180 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DFD	Drilling Fluid Density	1.07 G/C3
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	1.4
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	EVEN
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	75 US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	180 US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	40 US/F
SST4	STC Slowness Step - Monopole P&S	2 US/F
SSW4	STC Source Waveform - Monopole P&S	WF_SAM4
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	150 US
TMIN	Thorium Minimum	0 PPM
TSHA	Thorium Shale	12 PPM

ST4	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: 17-Nov-2001 13:18

OP System Version: 9C2-303			
MCM			
MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

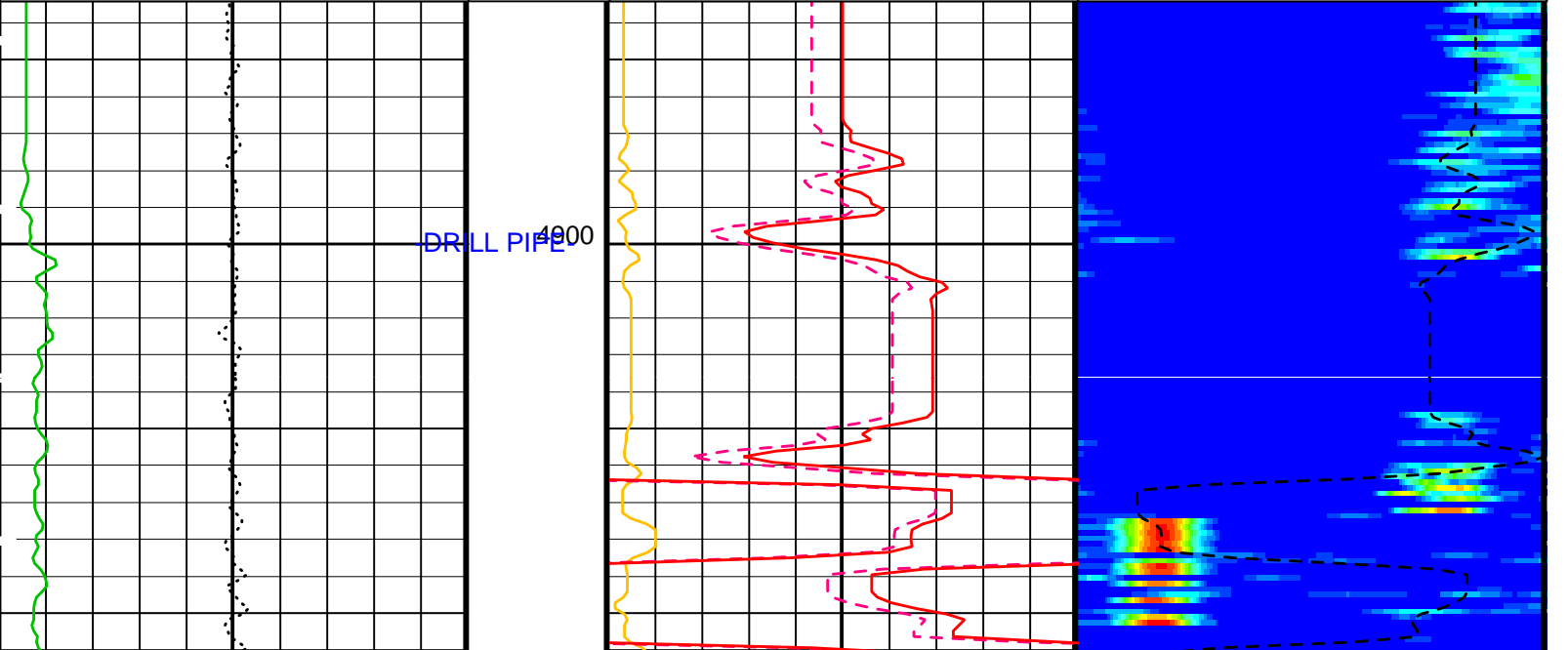
Output DLIS Files					
DEFAULT	FMS_NGS_DSI_017LUP	FN:27	PRODUCER	17-Nov-2001 13:18	
REDUCED	FMS_NGS_DSI_017LUP	FN:28	PRODUCER	17-Nov-2001 13:18	

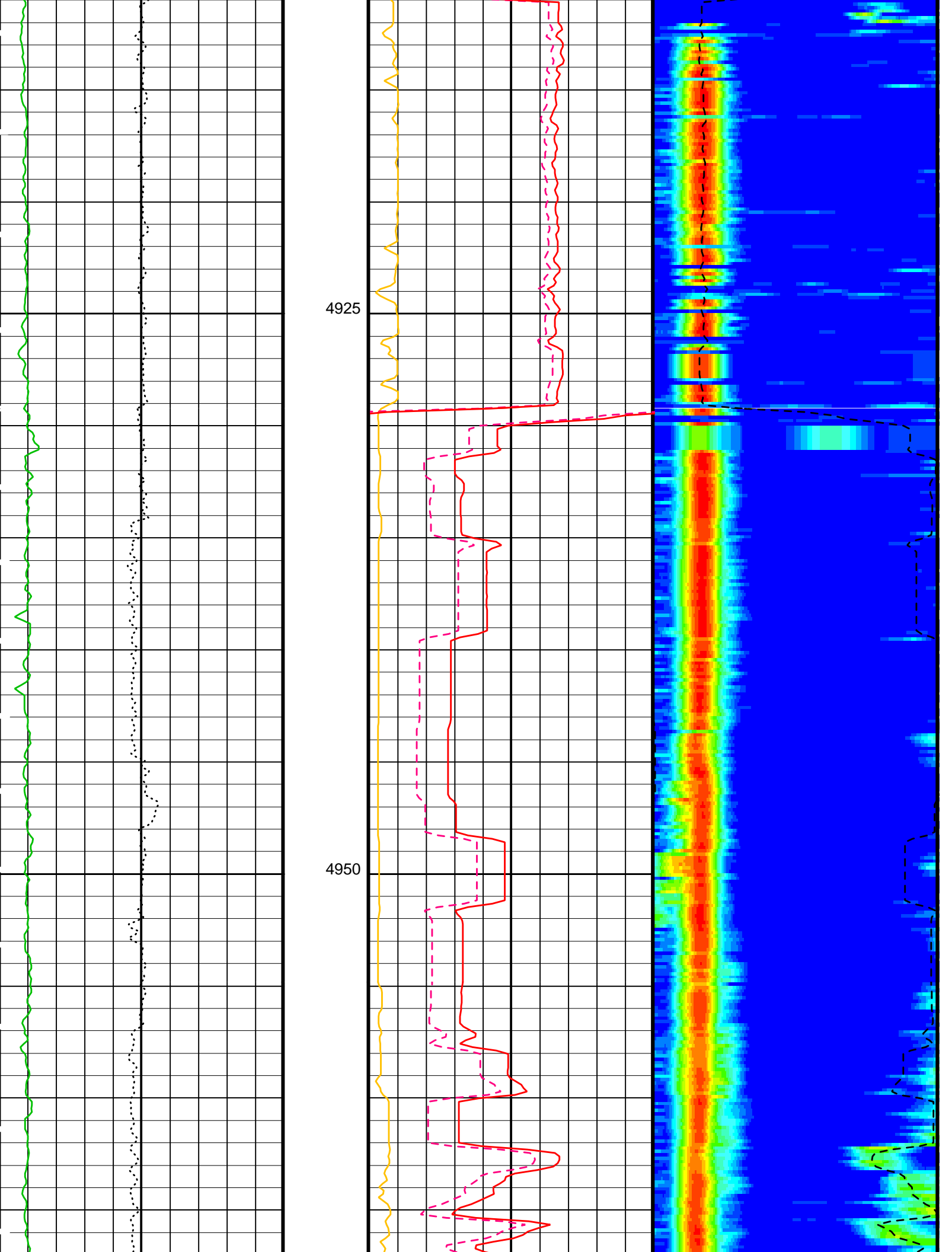
Output DLIS Files						
DEFAULT	FMS_NGS_DSI_017LUP	FN:27	PRODUCER	17-Nov-2001 13:18	5117.0 M	4893.4 M
REDUCED	FMS_NGS_DSI_017LUP	FN:28	PRODUCER	17-Nov-2001 13:18	5117.0 M	4893.4 M

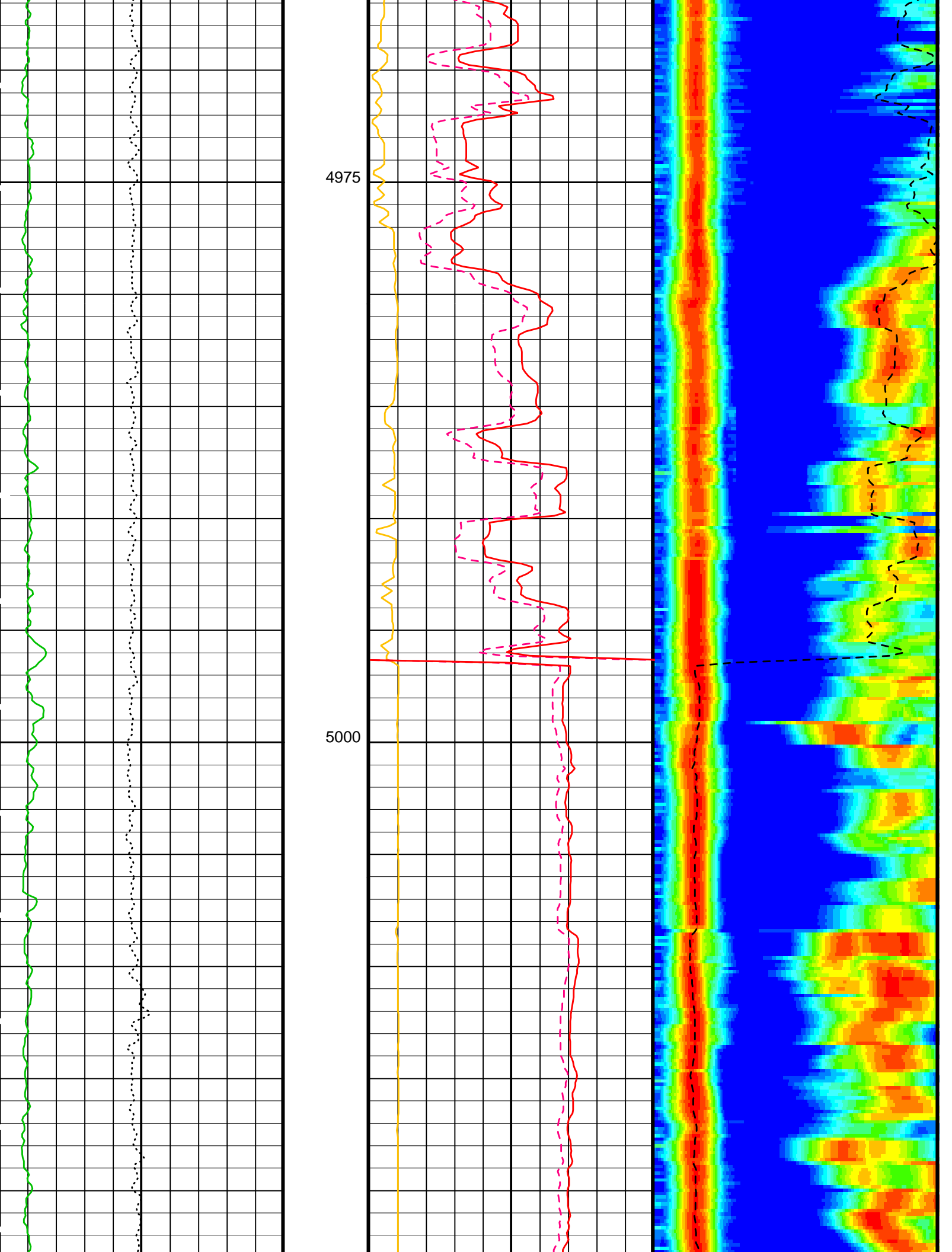
OP System Version: 9C2-303			
MCM			
MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

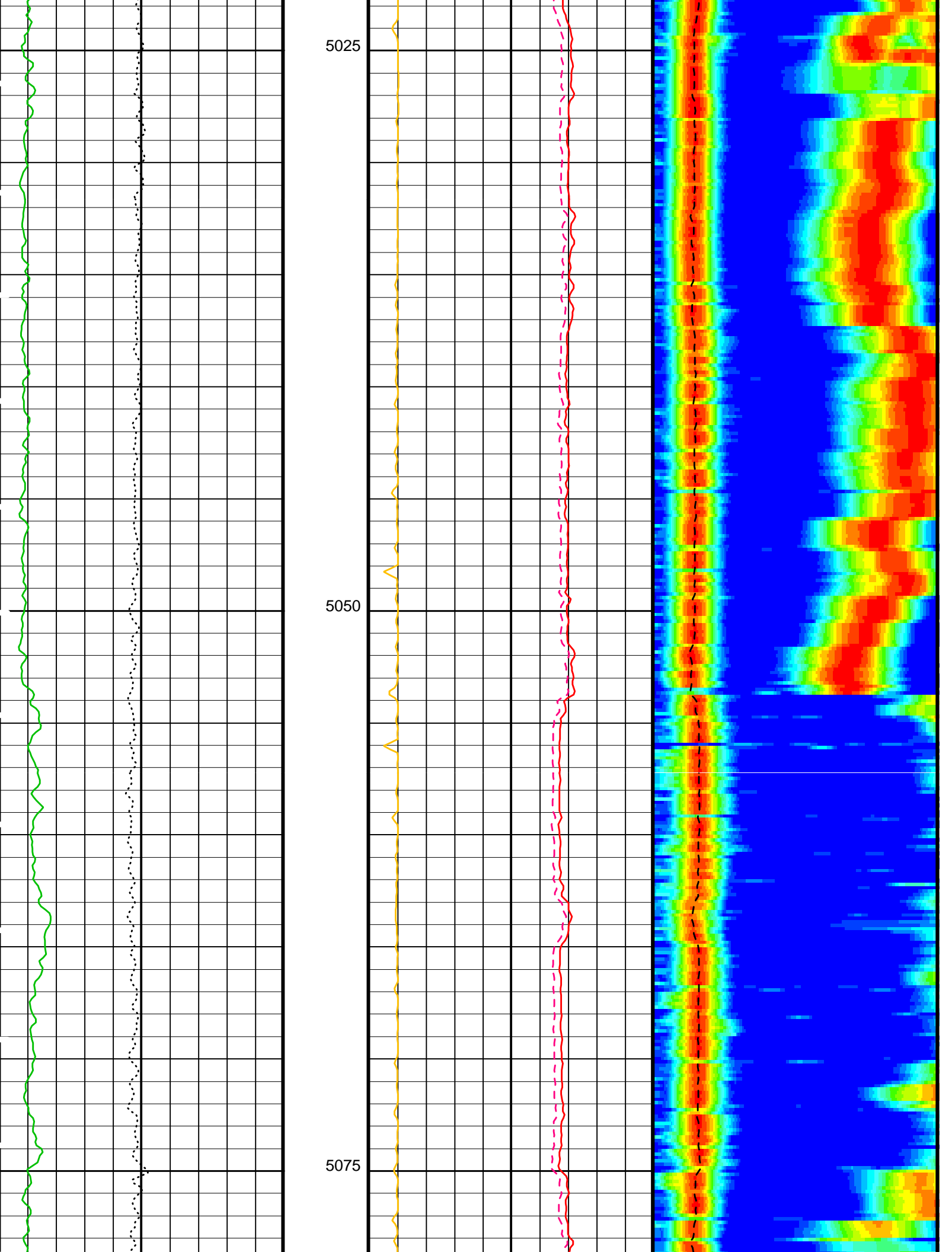
PIP SUMMARY **HIGH FREQUENCY DIPOLE**

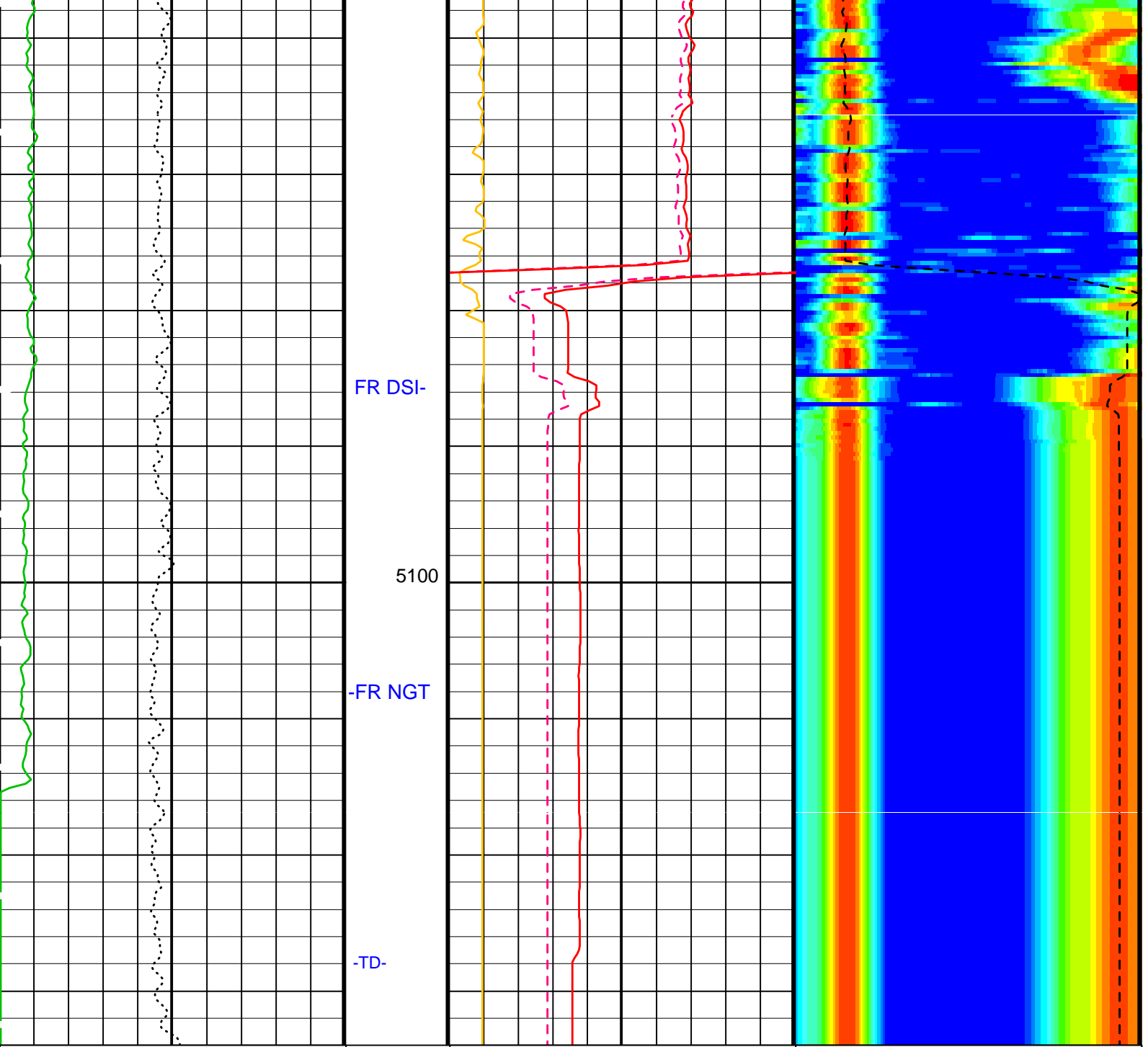
Time Mark Every 60 S		2ND PASS		Delta-T Shear - Upper Dipole (DT2)			
				440 (US/F) 40			
Tension (TENS) (LBF)				Delta-T Shear / RA - Upper Dipole (DT2R)		Min Amplitude Max	
10000 0				440 (US/F) 40		75 (US/F) 775	
Spectroscopy Gamma Ray (SGR) (GAPI)				Peak Coherence / RA - Upper Dipole (CHR2)		Delta-T Shear / RA - Upper Dipole (DT2R)	
0 100				0 (---) 10		75 (US/F) 775	











Spectroscopy Gamma Ray (SGR) (GAPI)	Peak Coherence / RA - Upper Dipole (CHR2)	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)
0 100	0 10	75 775
Tension (TENS) (LBF)	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)	Min Amplitude Max Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)
10000 0	440 40	75 775
2ND PASS	Delta-T Shear - Upper Dipole (DT2) (US/F)	HIGH FREQUENCY DIPOLE
	440 40	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BS	Bit Size	11.438 IN
CBAR	Constant Barite	1
CGMI	Spectro Computed Gamma Ray Minimum	0 GAPI

CGSH	Spectro Computed Gamma Ray Shale	100	GAPI
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DFD	Drilling Fluid Density	1.07	G/C3
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	75	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	775	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
KMIN	Potassium Minimum	0	
KSHA	Potassium Shale	0.02	
NFO	NGT Filtering Option	KALMAN	
PMUD	Potassium Mud	0	%
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
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B1-3K	
SGMI	Spectro Gamma Ray Minimum	0	GAPI
SGSH	Spectro Gamma Ray Shale	100	GAPI
SLL2	STC Slowness Lower Limit - Upper Dipole	75	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit - Upper Dipole	775	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TMIN	Thorium Minimum	0	PPM
TSHA	Thorium Shale	12	PPM
TST2	STC Time Step - Upper Dipole	200	US
TUL2	STC Time Upper Limit - Upper Dipole	15525	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UMIN	Uranium Minimum	0	PPM
USHA	Uranium Shale	3	PPM
UTXG	Upper Dipole Transmitter Geometry	162	IN

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 17-Nov-2001 13:18

OP System Version: 9C2-303

MCM

MEST-B	9C2-303	NGT-C	9C2-303
DTA-A	9C2-303	DSST-B	9C2-303
DTC-H	9C2-303		

Output DLIS Files

DEFAULT	FMS_NGS_DSI_017LUP	FN:27	PRODUCER	17-Nov-2001 13:18
REDUCED	FMS_NGS_DSI_017LUP	FN:28	PRODUCER	17-Nov-2001 13:18

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner - B (Slim) Wellsite Calibration - Caliper Calibration							
Before: 8-Nov-2001 21:38							
Caliper 1 Zero Measurement	8.000	N/A	8.279	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	8.000	N/A	7.862	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	12.00	N/A	12.38	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	12.00	N/A	11.95	N/A	N/A	N/A	IN

Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY

Before: 8-Nov-2001 21:32

TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	92	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	10	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	448	N/A	N/A	N/A	

Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY

Before: 8-Nov-2001 21:32

TEMPERATURE REFERENCE :	N/A	N/A	19	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	12	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	428	N/A	N/A	N/A	

Natural Gamma Spectroscopy - C Wellsite Calibration - Background Measurement

Master: 8-Nov-2001 23:02 Before: 8-Nov-2001 23:08

WINDOW 1 Background	100.0	16.26	16.60	N/A	N/A	100.0	CPS
WINDOW 2 Background	50.00	4.081	4.112	N/A	N/A	50.00	CPS
WINDOW 3 Background	10.00	1.035	0.9849	N/A	N/A	10.00	CPS
WINDOW 4 Background	6.000	0.2801	0.3478	N/A	N/A	6.000	CPS
WINDOW 5 Background	10.00	0.4701	0.4333	N/A	N/A	10.00	CPS
SGR Background	30.00	5.788	5.880	N/A	N/A	N/A	GAPI

Natural Gamma Spectroscopy - C Wellsite Calibration - Normalized Jig Measurement

Master: 8-Nov-2001 22:56 Before: 8-Nov-2001 23:13

WINDOW 1 Jig	376.0	382.9	377.6	N/A	N/A	22.56	CPS
WINDOW 2 Jig	167.0	169.0	170.3	N/A	N/A	10.02	CPS
WINDOW 3 Jig	24.00	24.22	24.13	N/A	N/A	1.440	CPS
WINDOW 4 Jig	14.00	13.87	13.80	N/A	N/A	2.800	CPS
WINDOW 5 Jig	22.50	23.09	22.76	N/A	N/A	4.500	CPS
SGR Jig	160.0	161.2	160.0	N/A	N/A	7.000	GAPI

Natural Gamma Spectroscopy - C Master Calibration - Master Quality Control Values

Master: 8-Nov-2001 22:52

Photomultiplier Res. CARC3	8.000	10.66	--	--	--	--	
APU WINDOW Jig	1350	1166	--	--	--	--	CPS
APL WINDOW Jig	1350	1164	--	--	--	--	CPS

The NGT PCSL Value is set to -12.043 KEV

Micro Electrical Scanner - B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde - B	MEDS - B	724
MEST Preamplifier Cartridge - AB	MEPC - AB	
GPIT Cartridge - A	GPIC - A	719
MEST Acquisition Cartridge - A	MEAC - A	804

Auxiliary Equipment:

MEST-B Preamplifier Cartridge Housing	MEPH - A	702
MEST Acquisition Cartridge Housing (Slim)	MEAH - B	702

Natural Gamma Spectroscopy - C / Equipment Identification

Primary Equipment:

NGT Cartridge	NGC - C	1731
NGT Sonde	NGD - A	1720

Auxiliary Equipment:

NGT Cartridge Housing	NGCH - A	1733
NGT Sonde Housing	NGH - B	1721
Gamma Source Radioactive	GSR - U	

Natural Gamma Spectroscopy - C Wellsite Calibration

Background Measurement

Phase	WINDOW 1 Background CPS	Value	Phase	WINDOW 2 Background CPS	Value	Phase	WINDOW 3 Background CPS	Value
Master		16.26	Master		4.081	Master		1.035
Before		16.60	Before		4.112	Before		0.9849

Phase	WINDOW 4 Background CPS	Value	Phase	WINDOW 5 Background CPS	Value	Phase	SGR Background GAPI	Value
Master		0.2801	Master		0.4701	Master		5.788
Before		0.3478	Before		0.4333	Before		5.880
	0 (Minimum) 6.000 (Nominal) 24.00 (Maximum)			0 (Minimum) 10.00 (Nominal) 40.00 (Maximum)			0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)	
Master: 8-Nov-2001 23:02			Before: 8-Nov-2001 23:08					

Natural Gamma Spectroscopy - C Wellsite Calibration								
Normalized Jig Measurement								
Phase	WINDOW 1 Jig CPS	Value	Phase	WINDOW 2 Jig CPS	Value	Phase	WINDOW 3 Jig CPS	Value
Master		382.9	Master		169.0	Master		24.22
Before		377.6	Before		170.3	Before		24.13
	354.0 (Minimum) 376.0 (Nominal) 398.0 (Maximum)			155.0 (Minimum) 167.0 (Nominal) 179.0 (Maximum)			21.50 (Minimum) 24.00 (Nominal) 26.50 (Maximum)	
Phase	WINDOW 4 Jig CPS	Value	Phase	WINDOW 5 Jig CPS	Value	Phase	SGR Jig GAPI	Value
Master		13.87	Master		23.09	Master		161.2
Before		13.80	Before		22.76	Before		160.0
	12.50 (Minimum) 14.00 (Nominal) 15.50 (Maximum)			20.00 (Minimum) 22.50 (Nominal) 25.00 (Maximum)			148.0 (Minimum) 160.0 (Nominal) 172.0 (Maximum)	
Master: 8-Nov-2001 22:56			Before: 8-Nov-2001 23:13					

Natural Gamma Spectroscopy - C Wellsite Calibration					
Quality Control Values					
Phase	DHVF Jig V	Value	Phase	Quality Windows Ratio Jig	Value
Master		1351	Master		2.266
Before		1350	Before		2.217
	1088 (Minimum) 1450 (Nominal) 1813 (Maximum)			2.150 (Minimum) 2.240 (Nominal) 2.330 (Maximum)	
Master: 8-Nov-2001 22:56			Before: 8-Nov-2001 23:13		

Natural Gamma Spectroscopy - C Wellsite Calibration		
Quality Control Values Check		
Phase	Thorium peak Form Factor Jig	Value
Before		0.06876
	-0.2000 (Minimum) 0 (Nominal) 0.2000 (Maximum)	
Before: 8-Nov-2001 23:13		

Natural Gamma Spectroscopy - C Master Calibration								
Master Quality Control Values								
Phase	Photomultiplier Res. CARC3	Value	Phase	APU WINDOW Jig CPS	Value	Phase	APL WINDOW Jig CPS	Value
Master		10.66	Master		1166	Master		1164
	4.500 (Minimum) 8.000 (Nominal) 11.50 (Maximum)			700.0 (Minimum) 1350 (Nominal) 1600 (Maximum)			700.0 (Minimum) 1350 (Nominal) 1600 (Maximum)	
Phase	Thorium peak Form Factor Jig	Value						
Master		0.02287						
	-0.1000 (Minimum) 0 (Nominal) 0.1000 (Maximum)							
Master: 8-Nov-2001 22:52								

COMPANY:	Lamont Doherty	BOTTOM LOG INTERVAL	5090 m
		SCHLUMBERGER DEPTH	5112 m
		DEPTH DRILLER	5114 m
WELL:	ODP eq 199, Site 1218, A (PAT-8C)		

WELL:

CDR Log 100, Site 1210 A (11100)

FIELD:

Ocean:

Pacific

KELLY BUSHING	11.3 m
DRILL FLOOR	11 m
GROUND LEVEL	-4837 m

Schlumberger

DSST
 Dipole Shear, Monopole Comp.
 Natural Gamma Ray