Schlumberger

Company: Lamont Doherty

Well: Expedition 307 Site U1317D
Field: Porcupine Basin Carbonate Mounds
Rig: Joides Resolution Country: Ireland

Dipole Shear Sonic Tool

Gamma Ray

Rig: Joides Resolution
Field: Porcupine Basin Carbonate Mou
Location:
Well: Expedition 307 Site U1307D
Company: Lamont Doherty

LOCATION

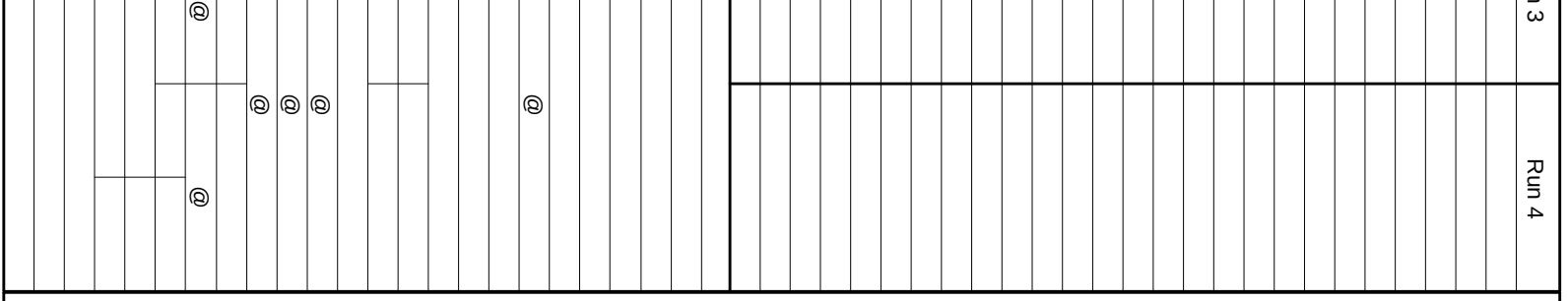
Elev.: K.B. 11.3 m
G.L. -805 m
D.F. 11 m

Permanent Datum: Mean Sea Level Elev.: 0 m
Log Measured From: Drill Floor 11.0 m above Perm. Datum
Drilling Measured From: Drill Floor

Ocean	Max. Well Deviation	Longitude	Latitude
Atlantic		11* 43.09'W	51* 22.83'N

	Run 1	Run 2	Run 1	Run 2
Logging Date	6-May-2005			
Run Number	One			
Depth Driller	1075 m			
Schlumberger Depth	1075 m			
Bottom Log Interval	1051 m			
Top Log Interval	805 m			
Casing Driller Size @ Depth	0.000 in @ 892 m	@	@	
Casing Schlumberger	893 m			
Bit Size	9.875 in			
Type Fluid In Hole	Sepiollte			
MUD Density / Viscosity	1.07 g/cm3			
MUD Fluid Loss / PH				
MUD Source Of Sample				
RM @ Measured Temperature	0.322 ohm.m @ 22 degC	@	@	
RMF @ Measured Temperature	@	@	@	
RMC @ Measured Temperature	@	@	@	
Source RMF / RMC				
RM @ MRT / RMF @ MRT	@ / @	@ / @	@ / @	
Maximum Recorded Temperatures				
Circulation Stopped / Time				
Logger On Bottom / Time	6-May-2005 23:00			
Unit Number / Location	2082 Webster, TX			
Recorded By	Javier Espinosa			
Witnessed By	Philippe Gaillot			

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



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OTHER SERVICES1	OTHER SERVICES2
OS1: FMS	OS1:
OS2: TCOM	OS2:
OS3: WST	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Parameters and presentation as per IODP standards	
Tool ran as per tool sketch below	
TD not reached due to hole conditions	
Hole flushed with Sepiolite.	

RUN 1

SERVICE ORDER #:
PROGRAM VERSION: 12C0-301
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

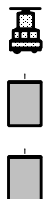
EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

GSR-U/Y
WITM (DTS)-A

DOWNHOLE EQUIPMENT

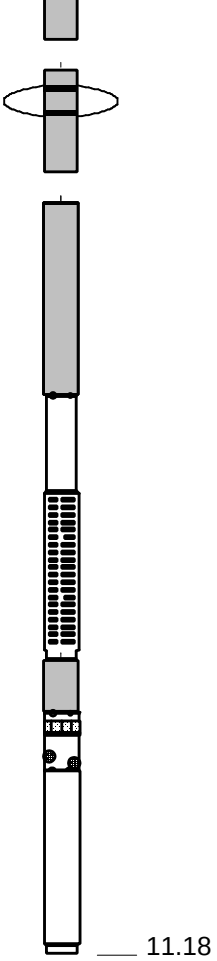


RUN 2

SGH-K
SGC-TB
SGD-TAA

AH-mcd
AH-mcd — 28.85

DSST-B — 26.73
SPAC-B
ECH-SD
SMDR-BD
SSIJ-BA
SMDX-AA

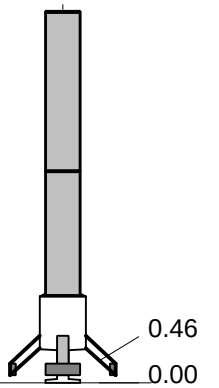


PWF — 11.18

AH-mcd
AH-mcd — 11.18

DTA-A — 8.90
ECH-KE
DTA-A

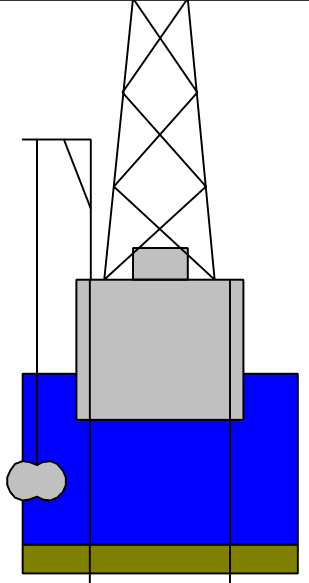
MEST-B — 7.68
MEAH-B
MEAC-A
MEPH-A
GPIC-A
MEPC-AB
MEDS-B



MEDR MEAC
MEPC MEDS-B — 0.46
HV DF
Tension GPIT — 0.00
TOOL ZERO

MAXIMUM STRING DIAMETER 4.50 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Production String	(in) OD	(in) ID	(m) MD	Well Schematic	(m) MD	(in) OD	(in) ID	Casing String

Kelly Bushing Elevation			11.3					
Derrick Floor Elevation			11.0		0.0	5.000		Casing String
Mean Sea Level			0.0					
Seismic Gun depth below MSL			2.0					
					805.0	9.875		Borehole Segment
					892.0	5.000		Casing Shoe

Schlumberger

FIRST PASS

MAXIS Field Log

Output DLIS Files

DEFAULT	FMS_DSI_029LUP	FN:29	PRODUCER	06-May-2005 22:59	1048.5 M	857.4 M
REDUCED	FMS_DSI_029LUP	FN:30	PRODUCER	06-May-2005 22:59	1048.5 M	857.4 M

OP System Version: 12C0-301

MCM

MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

PIP SUMMARY

Time Mark Every 60 S

Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)

0 (----) 10

Peak Coherence / RA - P & S Shear (CHRS)
-1 (----) 9

Peak Coherence / RA - P & S Comp (CHRP)
0 (----) 10

Peak Coherence / RA - Lower Dipole (CHR1)
0 (----) 10

Tension (TENS)
10000 (LBF) 0

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

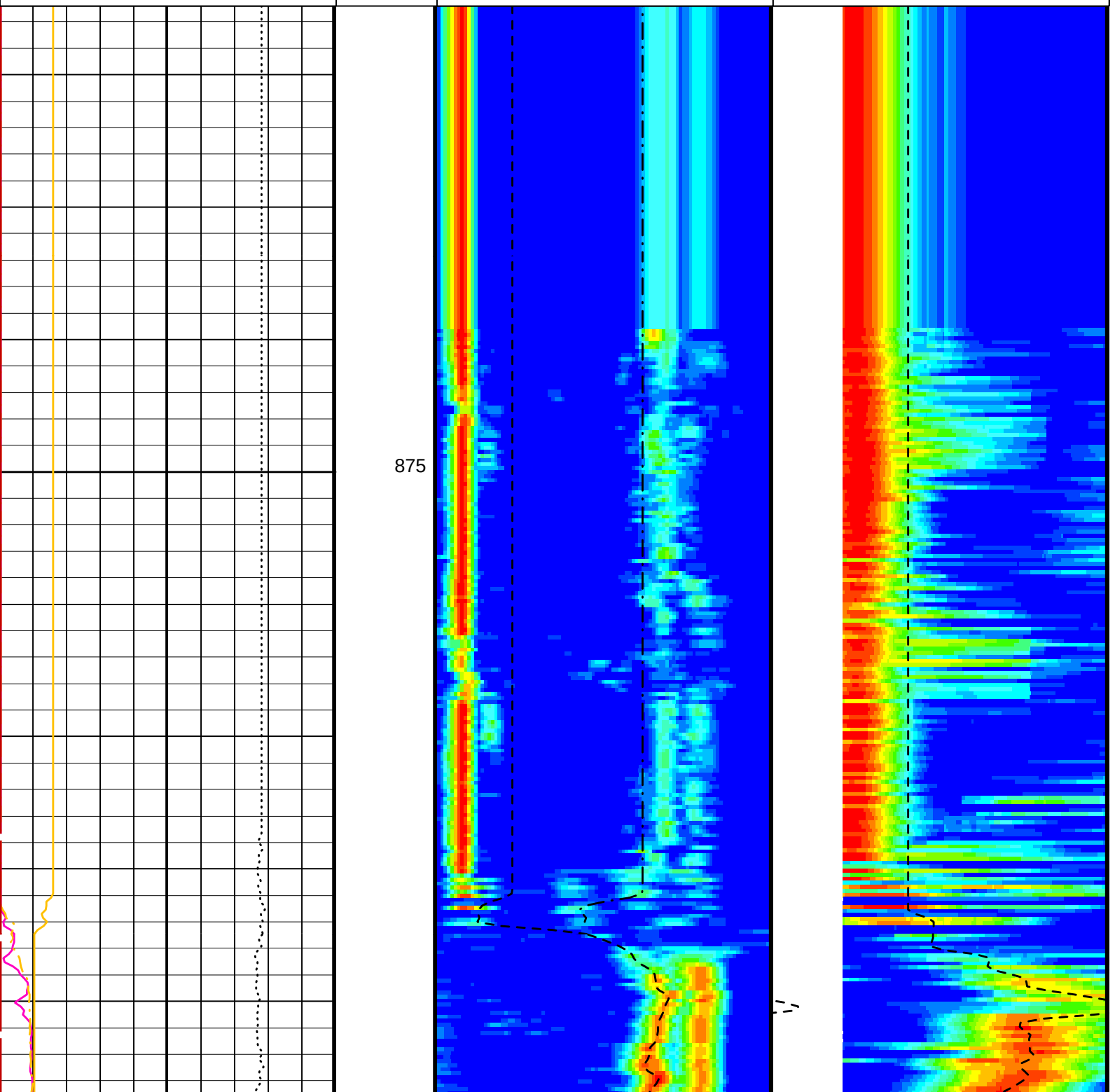
Delta-T Shear / RA - P & S (DTRS)
40 (US/F) 240

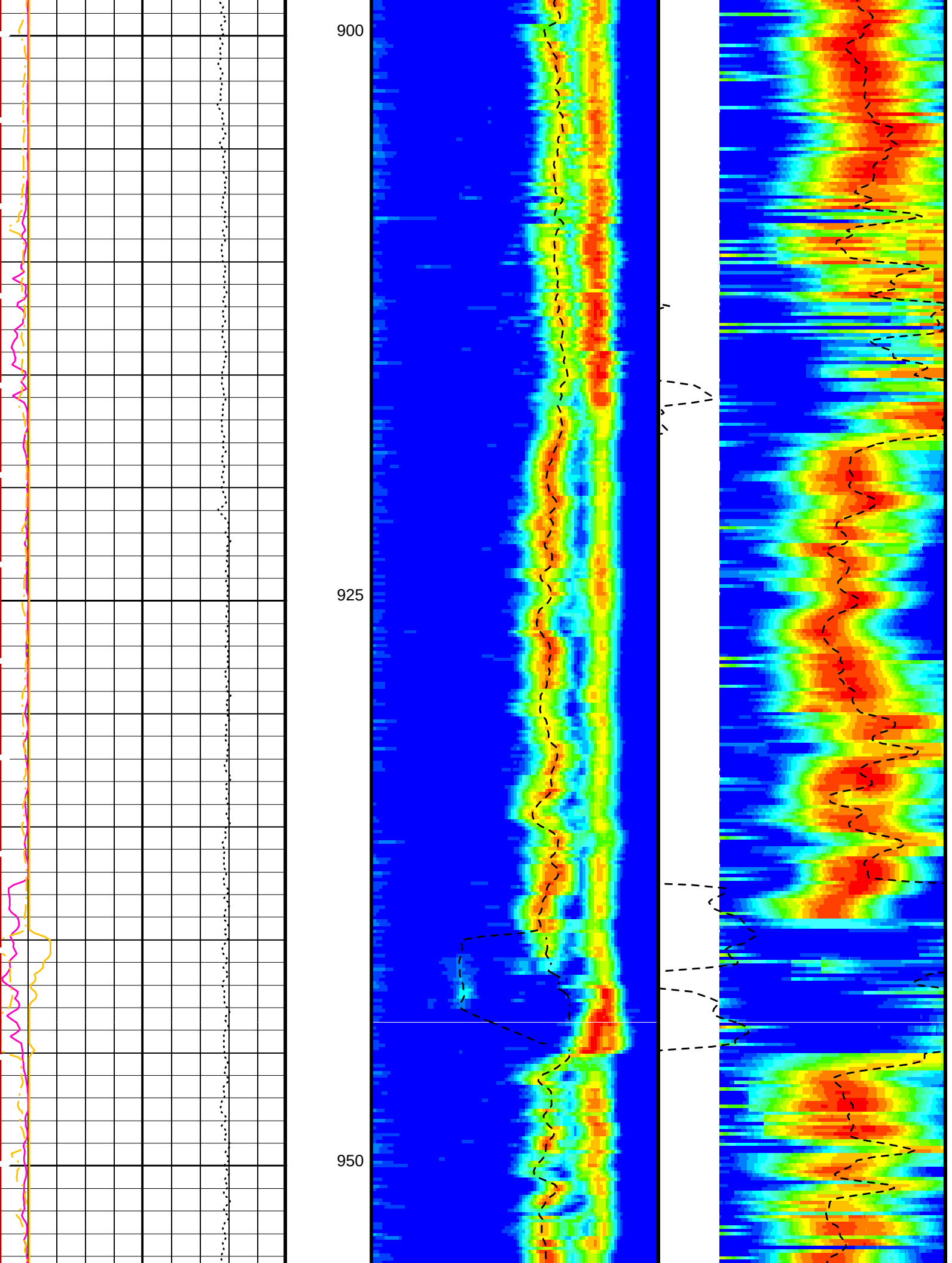
Delta-T Comp / RA - P & S (DTRP)
40 (US/F) 240

Min Amplitude Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75 (US/F) 775

Delta-T Shear / RA - Lower Dipole (DT1R)
75 (US/F) 775

875

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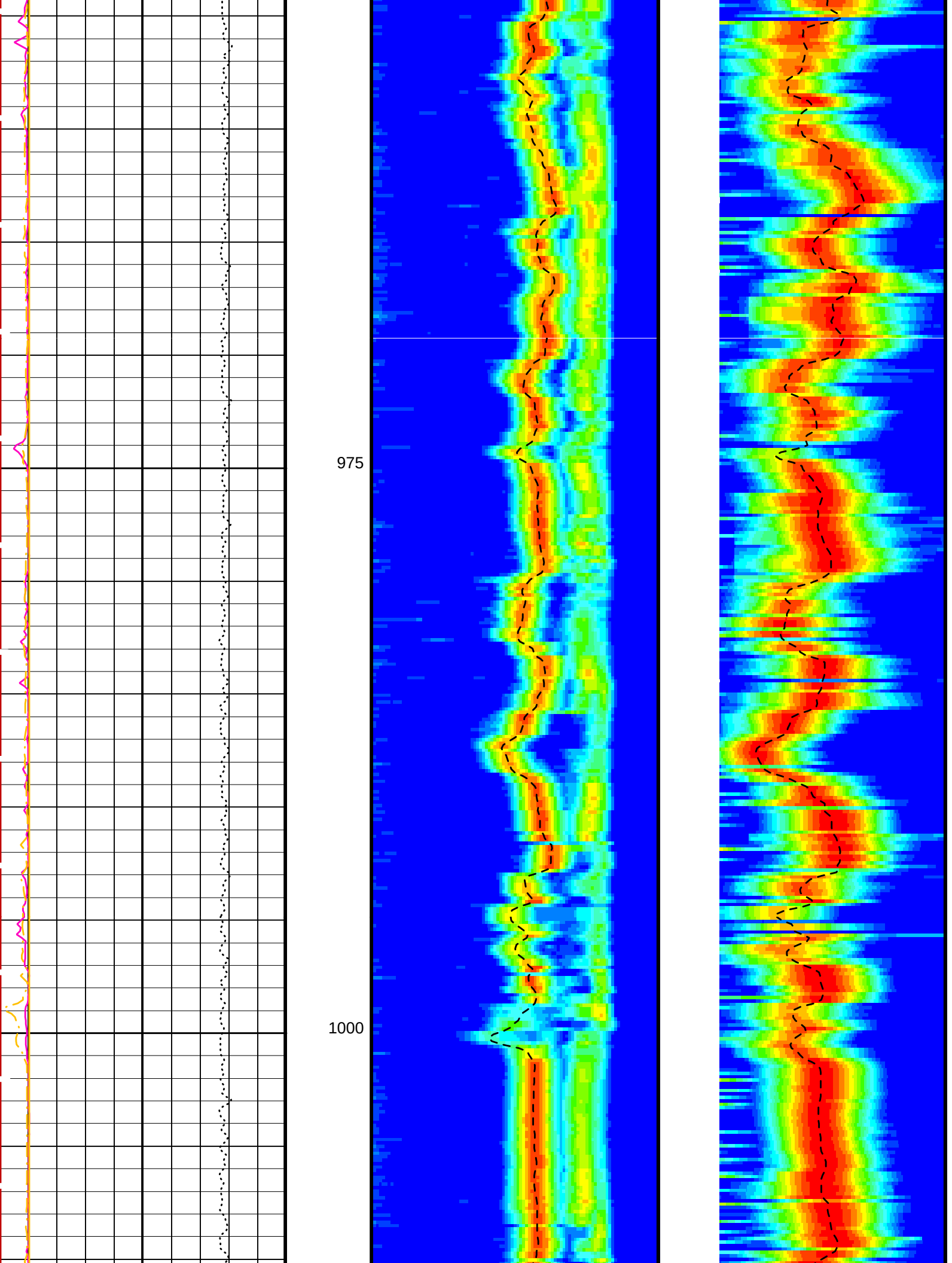
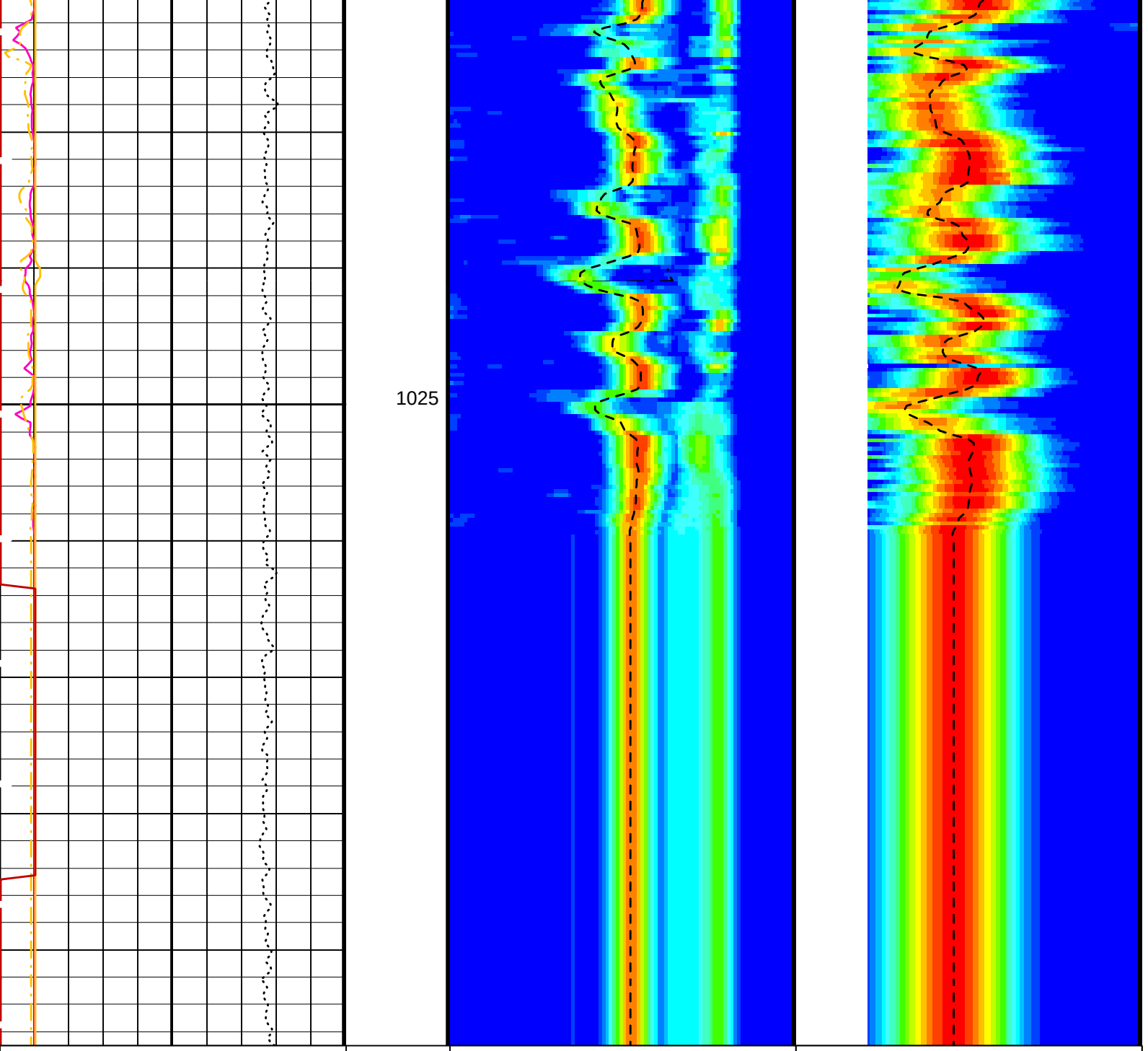
925
950


975
1000



Tension (TENS)
10000 (LBF) 0

Peak Coherence / RA - Lower Dipole (CHR1)
0 (----) 10

Peak Coherence / RA - P & S Comp (CHRP)
0 (----) 10

Peak Coherence / RA - P & S Shear (CHRS)
-1 (----) 9

Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)
0 (----) 10

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

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

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

Delta-T Shear / RA - Lower Dipole (DT1R)
75 (US/F) 775

Min Amplitude Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75 (US/F) 775

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN	
CASF	Label Casing Function - Monopole P&S	50	
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	40	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	180	US/F
DDE1	Digitizing Delay 1	0	US
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	220	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1600	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DTF	Delta-T Fluid	189	US/F
DWC1	Digitizer Word Count 1	512	
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR	
LFC	Label Formation Character - Monopole P&S	DYNAMIC	
LTXG	Lower Dipole Transmitter Geometry	156	IN
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI1	Number Waveform Items 1	8	
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	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
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN	
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	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SFM4	STC Filter - Monopole P&S	B3-20K	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	75	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	180	US/F
SLL1	STC Slowness Lower Limit - Lower Dipole	220	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	40	US/F
SST1	STC Slowness Step - Lower Dipole	4	US/F
SST4	STC Slowness Step - Monopole P&S	2	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
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
SUL1	STC Slowness Upper Limit - Lower Dipole	1600	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL1	STC Time Lower Limit - Lower Dipole	1530	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TST1	STC Time Step - Lower Dipole	200	US
TST4	STC Time Step - Monopole P&S	50	US
TUL1	STC Time Upper Limit - Lower Dipole	20440	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD1	STC Time Width - Lower Dipole	2000	US

TWD4	STC Time Width - Monopole P&S	1000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	

SGT-N: Scintillation Gamma-Ray - N

BHS	Borehole Status	OPEN

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06-May-2005 22:59

OP System Version: 12C0-301

MCM

MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

Output DLIS Files

DEFAULT	FMS_DSI_029LUP	FN:29	PRODUCER	06-May-2005 22:59	
REDUCED	FMS_DSI_029LUP	FN:30	PRODUCER	06-May-2005 22:59	

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SECOND PASS

MAXIS Field Log

Output DLIS Files

DEFAULT	FMS_DSI_030LUP	FN:31	PRODUCER	06-May-2005 23:51	1051.0 M	763.5 M
REDUCED	FMS_DSI_030LUP	FN:32	PRODUCER	06-May-2005 23:51	1051.0 M	763.5 M

OP System Version: 12C0-301

MCM

MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

PIP SUMMARY

Time Mark Every 60 S

Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)
0 (----) 10

Peak Coherence / RA - P & S Shear (CHRS)
-1 (----) 9

Peak Coherence / RA - P & S Comp (CHRP)
0 (----) 10

Peak Coherence / RA - Lower Dipole (CHR1)
0 (----) 10

Tension (TENS)
10000 (LBF) 0

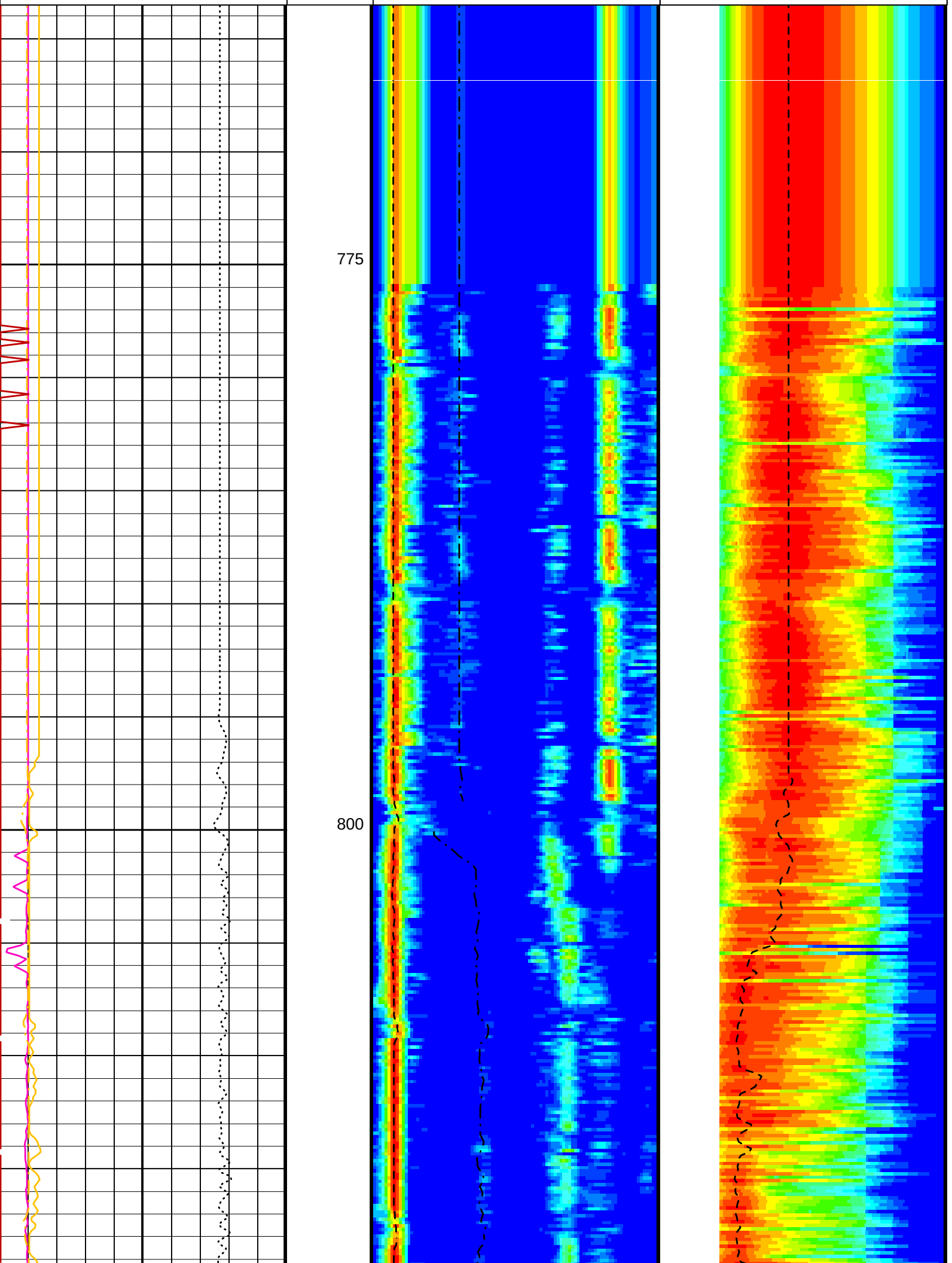
Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
40 (US/F) 240

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

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

Min Amplitude Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75 (US/F) 775

Delta-T Shear / RA - Lower Dipole (DT1R)
75 (US/F) 775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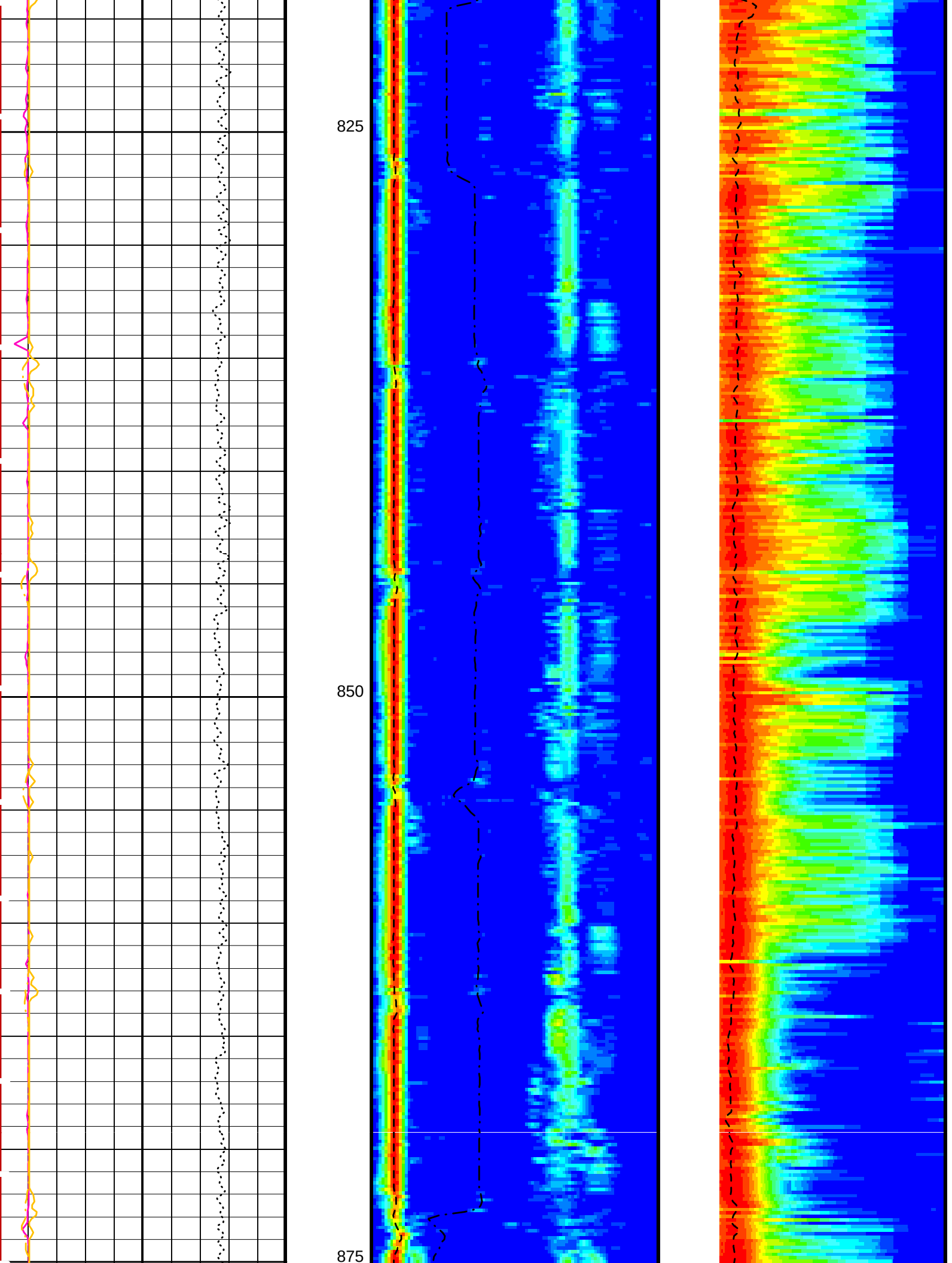
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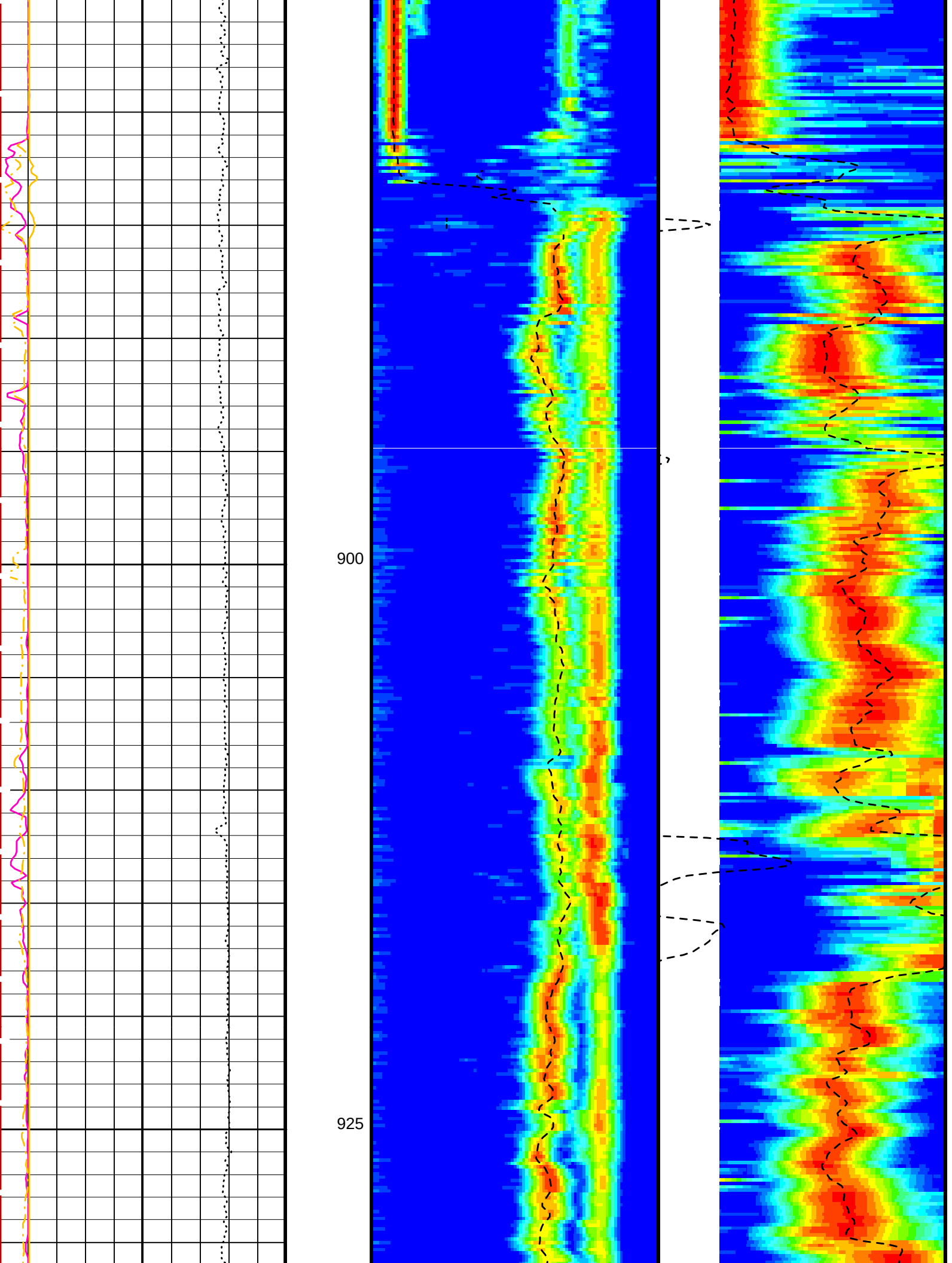
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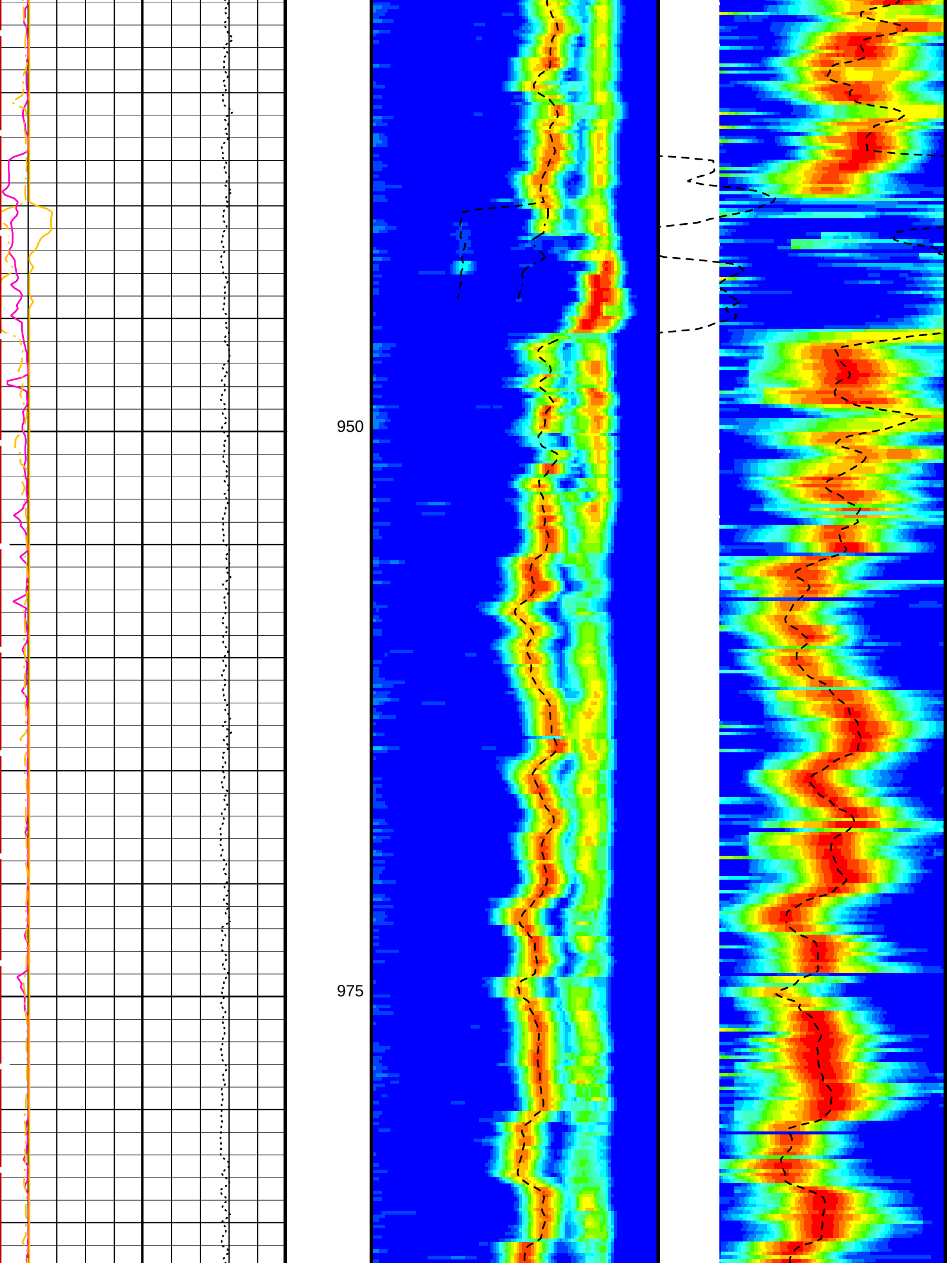
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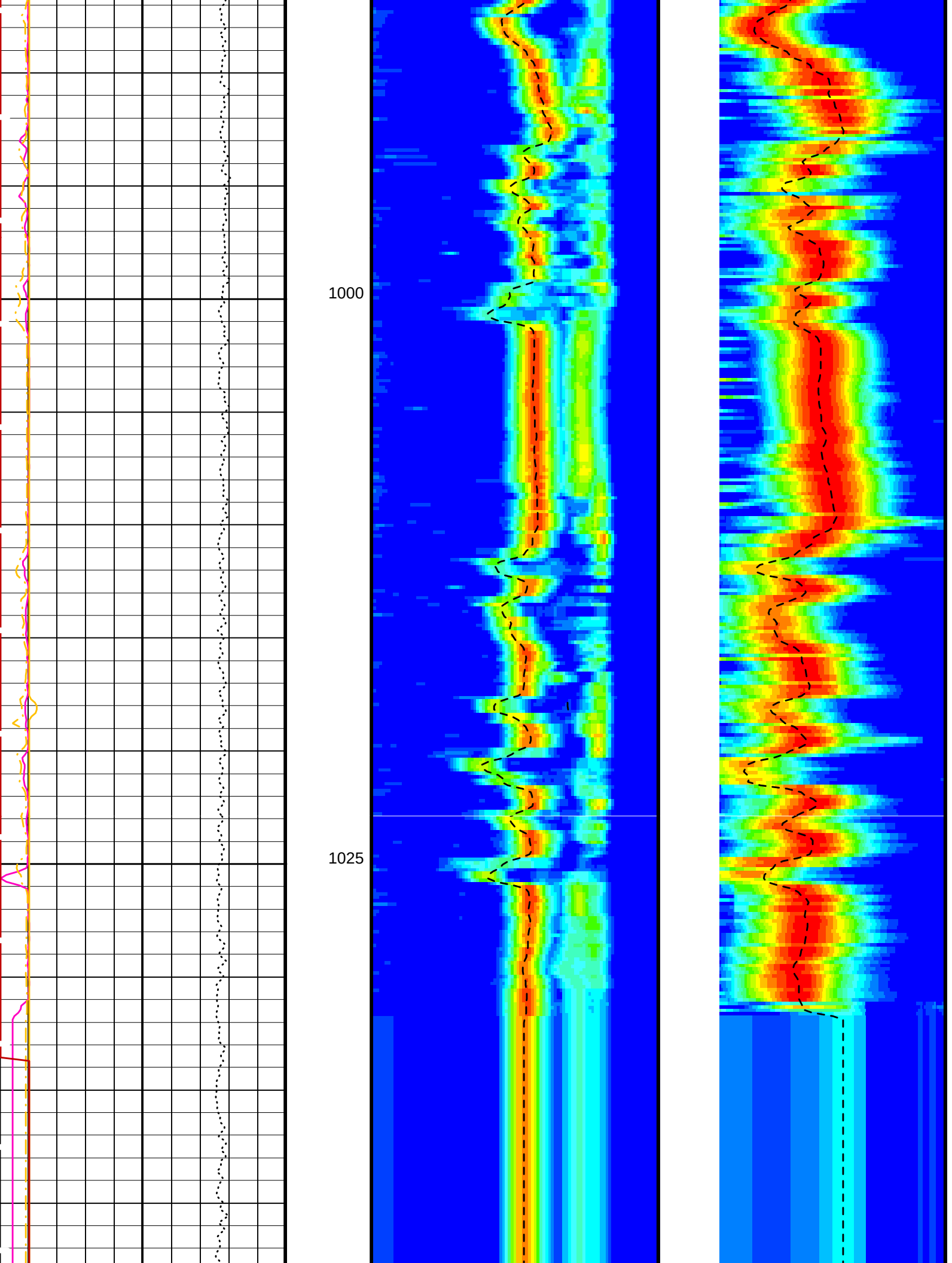
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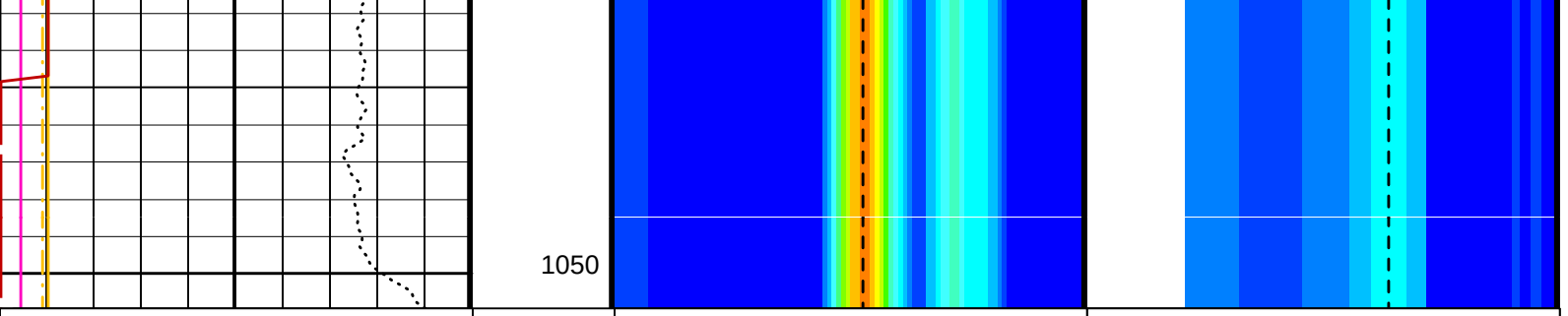

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN	
CASF	Label Casing Function - Monopole P&S	50	
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	40	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	180	US/F
DDE1	Digitizing Delay 1	0	US
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	220	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1600	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DTF	Delta-T Fluid	189	US/F
DWC1	Digitizer Word Count 1	512	
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR	
LFC	Label Formation Character - Monopole P&S	DYNAMIC	
LTXG	Lower Dipole Transmitter Geometry	156	IN
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI1	Number Waveform Items 1	8	
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	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

SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN	
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	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SFM4	STC Filter - Monopole P&S	B3-20K	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	75	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	180	US/F
SLL1	STC Slowness Lower Limit - Lower Dipole	220	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	40	US/F
SST1	STC Slowness Step - Lower Dipole	4	US/F
SST4	STC Slowness Step - Monopole P&S	2	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
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
SUL1	STC Slowness Upper Limit - Lower Dipole	1600	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL1	STC Time Lower Limit - Lower Dipole	1530	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TST1	STC Time Step - Lower Dipole	200	US
TST4	STC Time Step - Monopole P&S	50	US
TUL1	STC Time Upper Limit - Lower Dipole	20440	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
SGT-N: Scintillation Gamma-Ray - N			
BHS	Borehole Status	OPEN	

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06-May-2005 23:52

OP System Version: 12C0-301

MCM

MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

Output DLIS Files

DEFAULT	FMS_DSI_030LUP	FN:31	PRODUCER	06-May-2005 23:51
REDUCED	FMS_DSI_030LUP	FN:32	PRODUCER	06-May-2005 23:51

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CALIBRATIONS

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner - B (Slim) Wellsite Calibration - Caliper Calibration							
Before: 28-Apr-2005 15:20							
Caliper 1 Zero Measurement	8.000	N/A	8.072	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	8.000	N/A	7.553	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	12.00	N/A	12.28	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	12.00	N/A	11.76	N/A	N/A	N/A	IN
Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 6-May-2005 21:57							
TEMPERATURE REFERENCE :	N/A	N/A	20	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	3	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	743	N/A	N/A	N/A	
Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 6-May-2005 21:57							
TEMPERATURE REFERENCE :	N/A	N/A	25	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	91	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	5	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	98	N/A	N/A	N/A	
Scintillation Gamma-Ray - N Wellsite Calibration - Detector Calibration							
Before: 6-May-2005 21:58							
Gamma Ray (Jig - Bkg)	166.0	N/A	166.0	N/A	N/A	15.09	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

Micro Electrical Scanner - B (Slim) / Equipment Identification

Primary Equipment:	
MEST Sonde - B	MEDS - B
MEST Preamplifier Cartridge - AB	MEPC - AB
GPIT Cartridge - A	GPIC - A
MEST Acquisition Cartridge - A	MEAC - A
Auxiliary Equipment:	
MEST-B Preamplifier Cartridge Housing	MEPH - A
MEST Acquisition Cartridge Housing (Slim	MEAH - B

Scintillation Gamma-Ray - N / Equipment Identification

Primary Equipment:	
Scintillation Gamma Cartridge	SGC - TB
Scintillation Gamma Detector	SGD - TAA
Auxiliary Equipment:	
Scintillation Gamma Housing	SGH - K
Gamma Source Radioactive	GSR - U/Y

Scintillation Gamma-Ray - N Wellsite Calibration

Detector Calibration

Phase	Gamma Ray Background GAPI	Value
Before		1.507
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)	

Phase	Gamma Ray (Jig - Bkg) GAPI	Value
Before		166.0
	150.9 (Minimum) 166.0 (Nominal) 181.1 (Maximum)	

Phase	Gamma Ray (Calibrated) GAPI	Value
Before		165.0
	150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)	

Before: 6-May-2005 21:58

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Well:	Expedition 307 Site U1317D
Field:	Porcupine Basin Carbonate Mounds
Rig:	Joides Resolution
Country:	Ireland

Dipole Shear Sonic Tool

Gamma Ray