Schlumberger

Company: Lamont Doherty

Well: ODP Leg 204, Site 1245 E
Field: Hydrate Ridge
Ocean: Pacific State: Oregon

Ocean: Pacific
Field: Hydrate Ridge
Location: N 44* 35.1708'
Well: ODP Leg 204, Site 1245 E
Company: Lamont Doherty

Dipole Shear Sonic
P&S Monopole Compressional
Gamma Ray

LOCATION

N 44* 35.1708'
W 125* 8.9627'

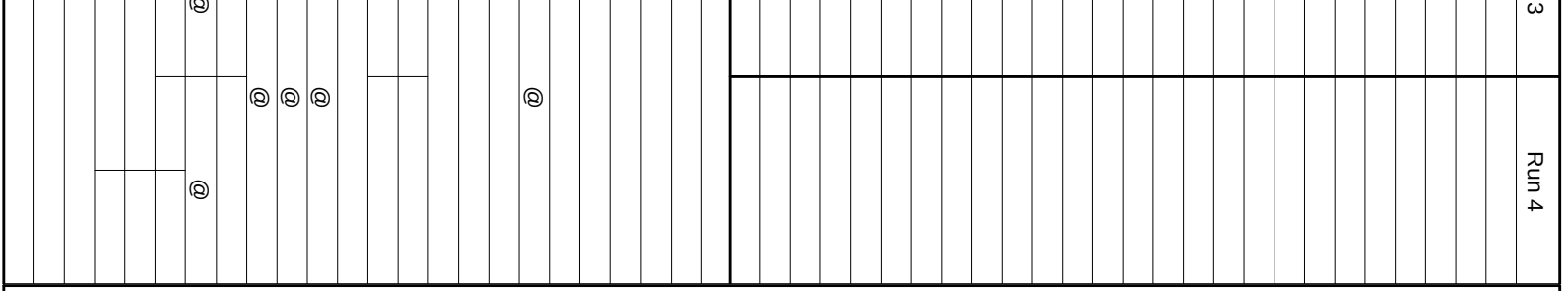
Elev.: K.B. 11.3 m
G.L. -882 m
D.F. 11 m

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

API Serial No.	Max. Hole Devi.	Longitude	Latitude

	Run 1	Run 2	Run 3
Logging Date	14-Aug-2002		
Run Number	1		
Depth Driller	1421 m		
Schlumberger Depth	1201 m		
Bottom Log Interval	1178 m		
Top Log Interval	883 m		
Casing Driller Size @ Depth	0.000 in @ 956 m	@	@
Casing Schlumberger	956 m		
Bit Size	9.875 in		
Type Fluid In Hole	Salt water/ Sepiolite		
MUD Density / Viscosity	1.1 g/cm3		
MUD Fluid Loss / PH			
MUD Source Of Sample	Mudpit		
RM @ Measured Temperature	0.322 ohm.m @ 27 degC	@	@
RMF @ Measured Temperature	@	@	@
RMC @ Measured Temperature	@	@	@
Source RMF / RMC			
RM @ MRT / RMF @ MRT	0.402 @ 17	@ 17 @	@ @
Maximum Recorded Temperatures	17 degC		
Circulation Stopped / Time	14-Aug-2002	18:00	
Logger On Bottom / Time	15-Aug-2002	4:41	
Unit Number / Location	99 Houston		
Recorded By	K. Swain		
Witnessed By	G. Guerren, S. Barr, T. Collet		

	Run 1	Run 2	Run 3
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			



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	OTHER SERVICES2
OS1: IPL	OS1:
OS2: FMS/DSST	OS2:
OS3: VSI	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Depths in meters below rig floor, mbrf.	
Rig stuck at 1232 mbrf but became free, logging TD at 1201 mbrf.	
Drill pipe SLB at 956 mbrf.	
Sea floor SLB at 883 mbrf.	
Field print only for LQC purposes. Final processing to be done at Lamont.	

RUN 1

SERVICE ORDER #:
PROGRAM VERSION: 10C0-306
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

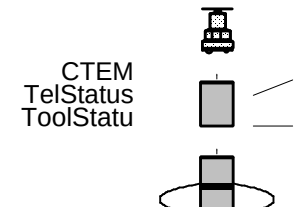
EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

GSR-U/Y 135
WITM (DTS)-A

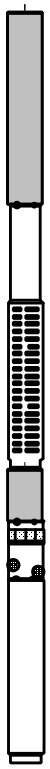
DOWNHOLE EQUIPMENT



RUN 2

DSST-B
SPAC-B 9128
ECH-SD 8127
SMDR-BD 11
SSIJ-BA 8151
SMDX-AA 66

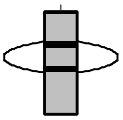
28.25



PWF — 12.71

AH-Bot
AH-Bot 1

12.71



SGT-N
SGH-K 245
SGC-TB 9585
SGD-TAA 1

Gamma Ray — 10.30

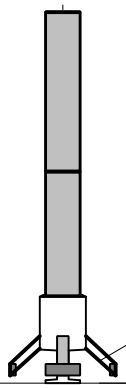
10.58

DTA-A
ECH-KE 8455
DTA-A 8261

8.90

MEST-B
MEAH-B 701
MEAC-A 833
MEPH-A 702
GPIC-A 719
MEPC-AB 806
MEDS-B 724

7.68



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

Input DLIS Files

DEFAULT	FMS_DSI_027LUP	FN:34	PRODUCER	15-Aug-2002 05:50	1198.5 M	947.8 M

Output DLIS Files

REDUCE	FMS_DSI_048PUP	FN:58	PRODUCER	28-Aug-2002 04:22	1198.5 M	948.4 M

OP System Version: 10C0-306

MCM

MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

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 - Upper Dipole (CHR2)

0 (----) 10

Tension (TENS)

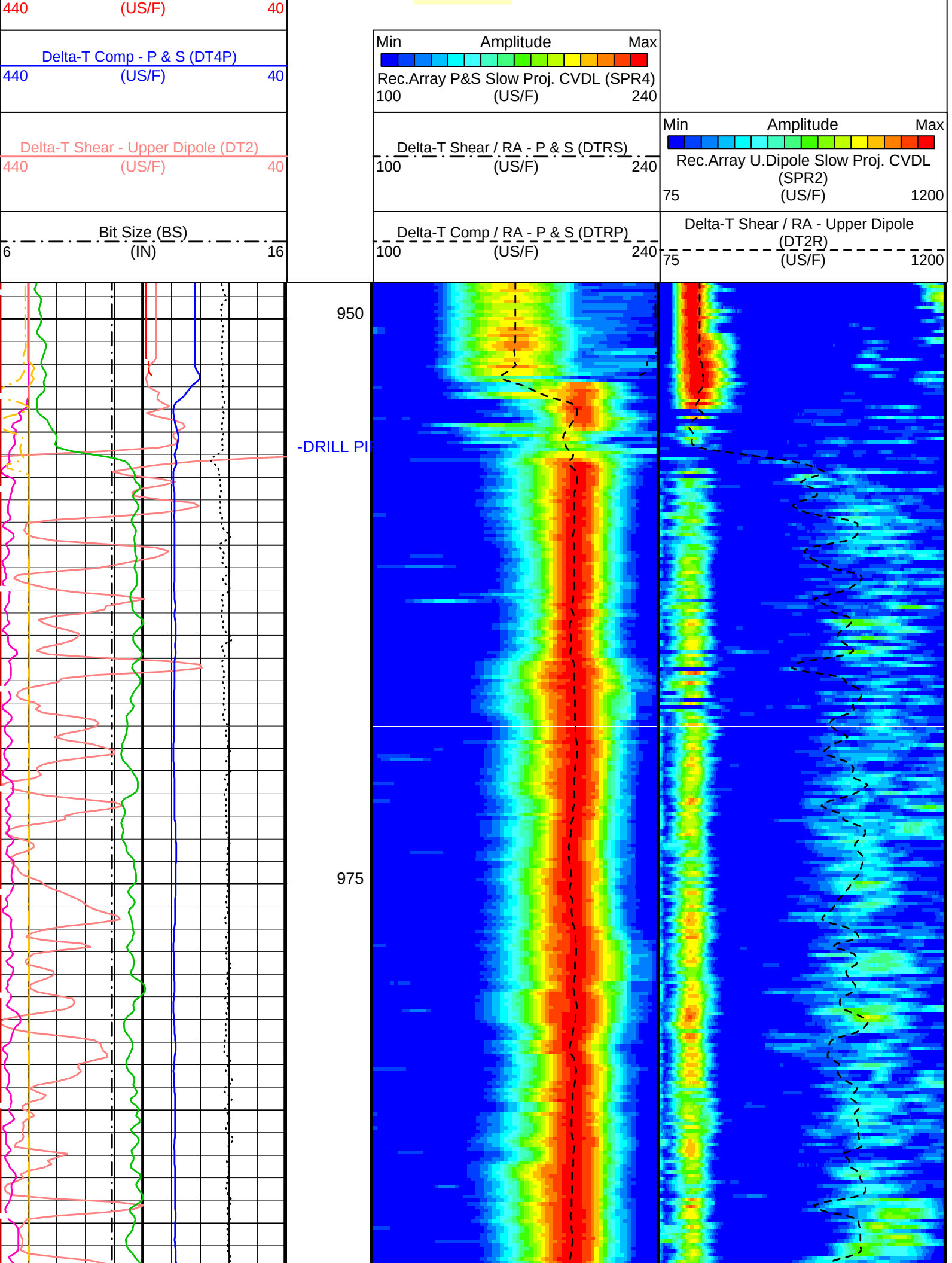
10000 (LBF) 0

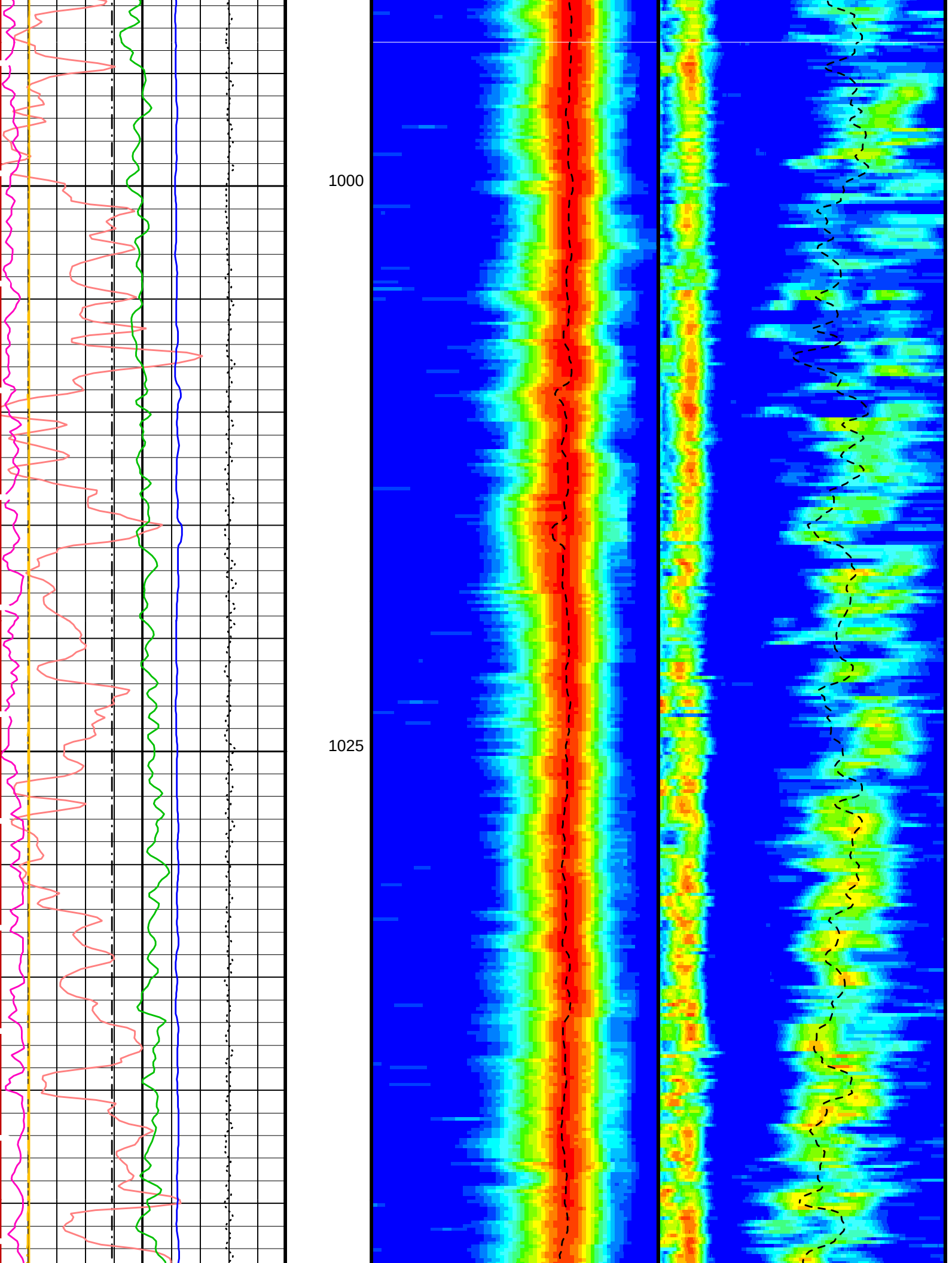
Gamma Ray (GR)

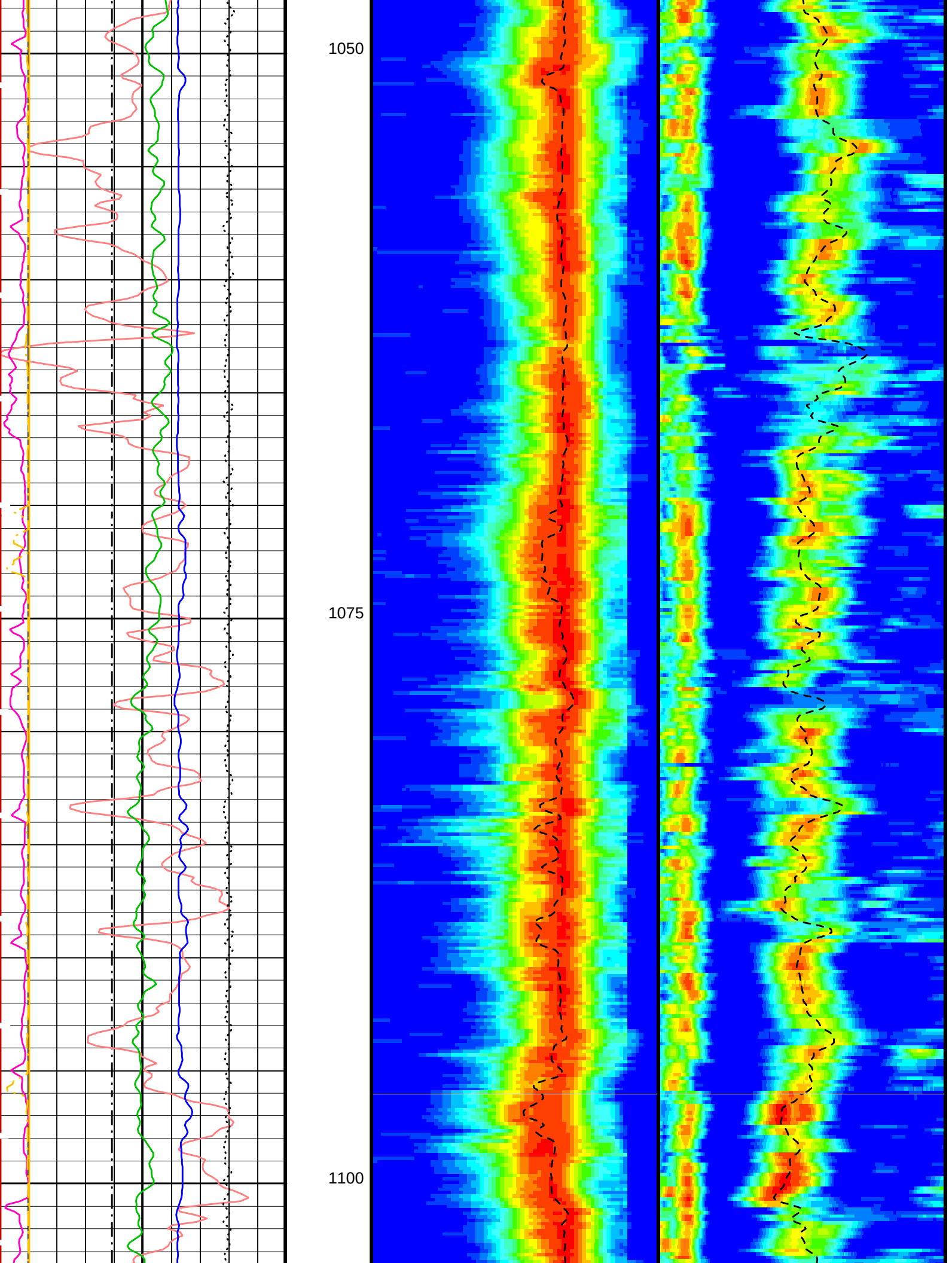
0 (GAPI) 100

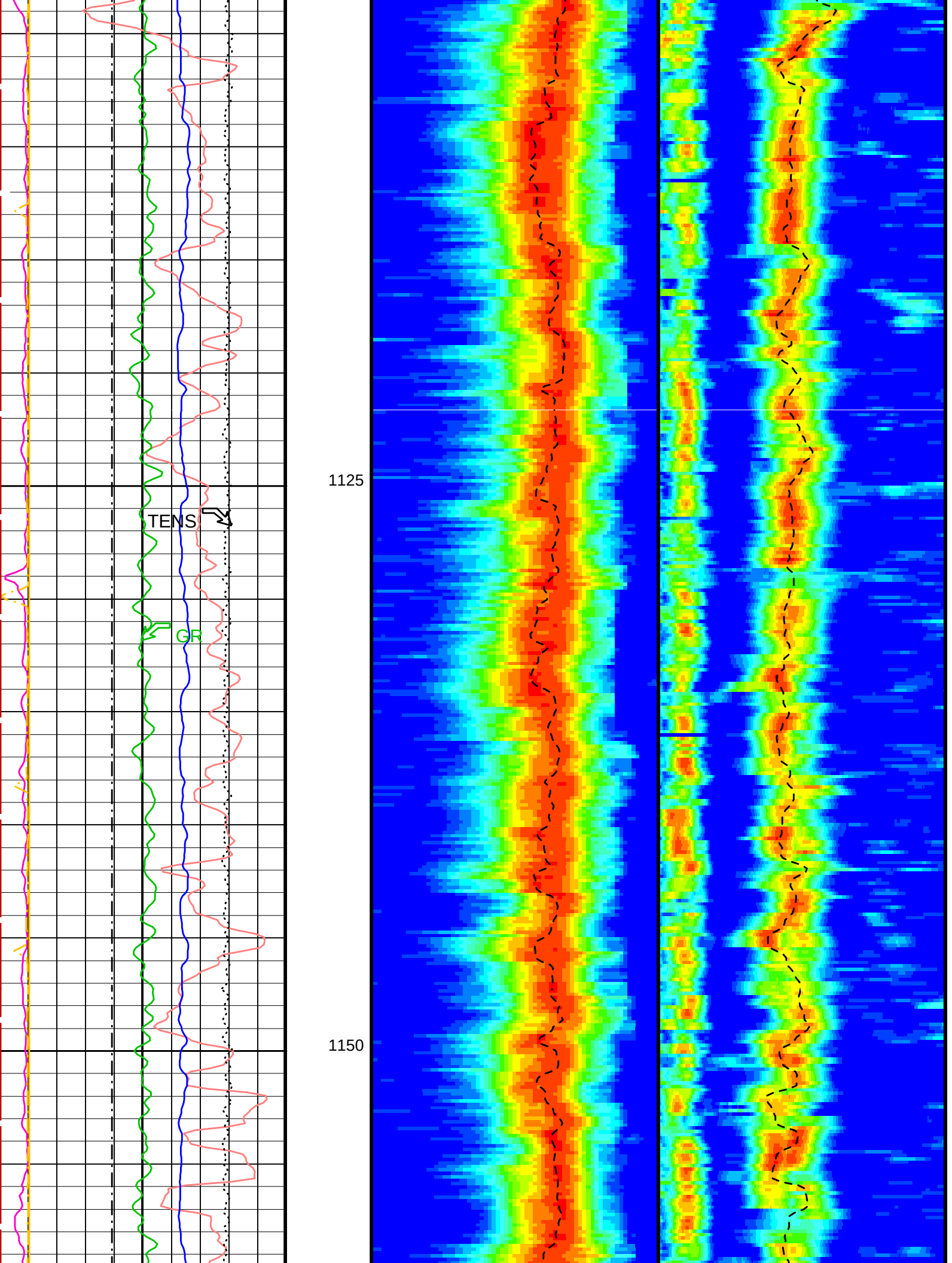
Delta-T Shear - P & S (DT4S)

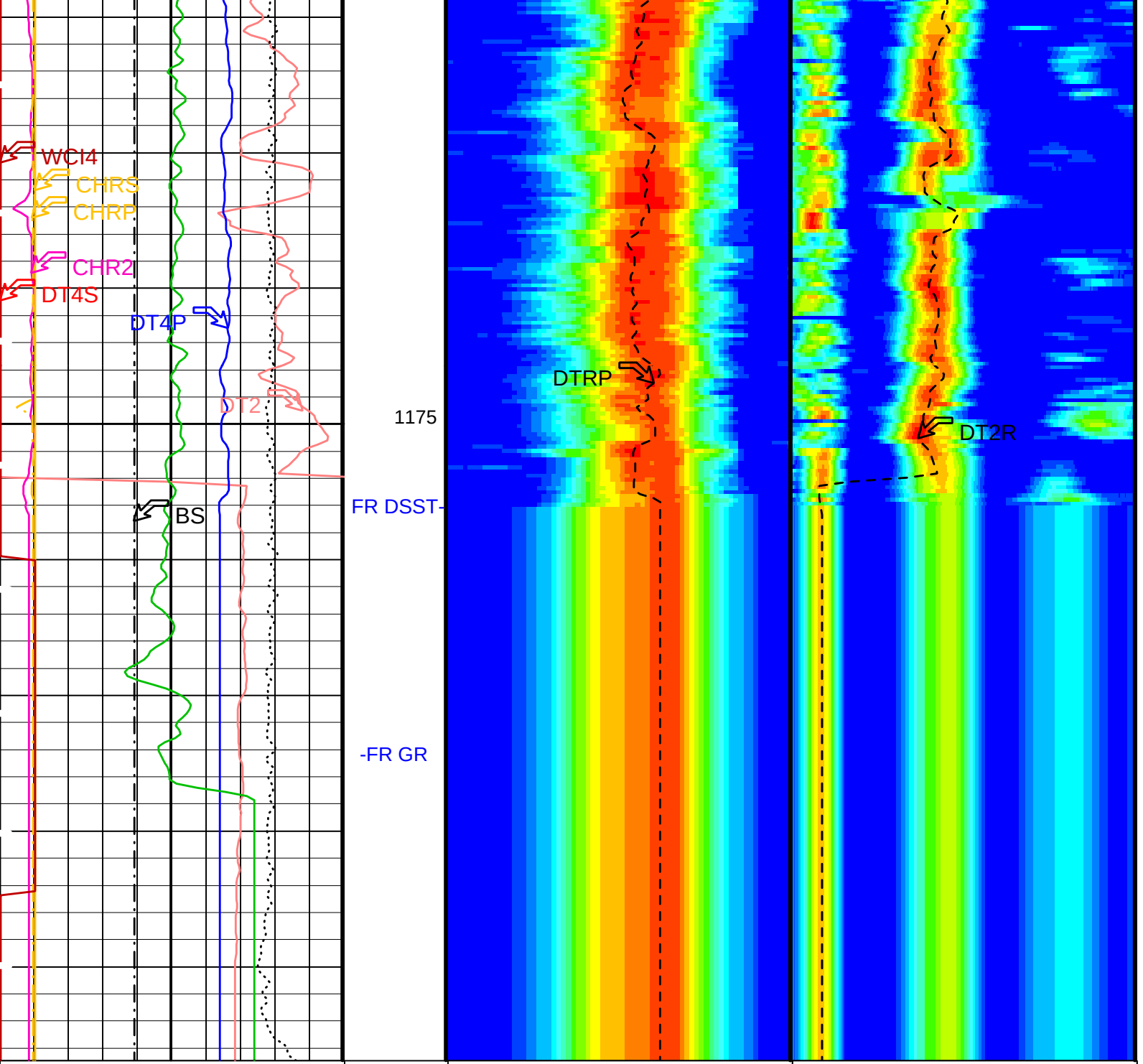
PASS #2


440 (US/F) 40
Delta-T Comp - P & S (DT4P)
440 (US/F) 40
Delta-T Shear - Upper Dipole (DT2)
440 (US/F) 40
Bit Size (BS)
6 (IN) 16
Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
100 (US/F) 240
Delta-T Shear / RA - P & S (DTRS)
100 (US/F) 240
Delta-T Comp / RA - P & S (DTRP)
100 (US/F) 240
Min Amplitude Max
Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
75 (US/F) 1200
Delta-T Shear / RA - Upper Dipole (DT2R)
75 (US/F) 1200
950
-DRILL PI
975


1000
1025


1050
1075
1100


TENS
GR
1125
1150



Bit Size (BS)
6 (IN) 16

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

Delta-T Comp - P & S (DT4P)
440 (US/F) 40

Delta-T Shear - P & S (DT4S)
440 (US/F) 40

Gamma Ray (GR)
0 (GAPI) 100

Tension (TENS)

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

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

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

Delta-T Shear / RA - Upper Dipole (DT2R)
75 (US/F) 1200

Min Amplitude Max
Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
75 (US/F) 1200

PASS #2

10000	(LBF)	0

Peak Coherence / RA - Upper Dipole (CHR2)

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

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	SGT-N: Scintillation Gamma-Ray - N		
BHS	Borehole Status	OPEN	
	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	100	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	200	US/F
DDE2	Digitizing Delay 2	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	75	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	900	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	10	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DTF	Delta-T Fluid	189	US/F
DWC2	Digitizer Word Count 2	512	
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control - Monopole P&S	COMP	
LFC	Label Formation Character - Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI2	Number Waveform Items 2	8	
NWI4	Number Waveform Items 4	8	
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
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
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	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B1-3K	
SFM4	STC Filter - Monopole P&S	B3-12K	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	220	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240	US/F

SLL2	STC Slowness Lower Limit - Upper Dipole	75	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	100	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SST4	STC Slowness Step - Monopole P&S	2	US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
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
SUL2	STC Slowness Upper Limit - Upper Dipole	1200	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TLL4	STC Time Lower Limit - Monopole P&S	400	US
TST2	STC Time Step - Upper Dipole	200	US
TST4	STC Time Step - Monopole P&S	50	US
TUL2	STC Time Upper Limit - Upper Dipole	20200	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM4	Waveform Mode 4	W1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Aug-2002 04:22

OP System Version: 10C0-306

MCM

MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

Input DLIS Files

DEFAULT	FMS_DSI_027LUP	FN:34	PRODUCER	15-Aug-2002 05:50	1198.5 M	947.8 M

Output DLIS Files

REDUCE	FMS_DSI_048PUP	FN:58	PRODUCER	28-Aug-2002 04:22		

Input DLIS Files

DEFAULT	FMS_DSI_027LUP	FN:34	PRODUCER	15-Aug-2002 05:50	1198.5 M	947.8 M

Output DLIS Files

REDUCE	FMS_DSI_048PUP	FN:58	PRODUCER	28-Aug-2002 04:22	1198.5 M	948.4 M

OP System Version: 10C0-306

MCM

MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

PIP SUMMARY

Time Mark Every 60 S

Waveform Data Copy Indicator 1 - Lower Dipole (WCI1)

0 (----) 10

Tension (TENS)

10000 (LBF) 0

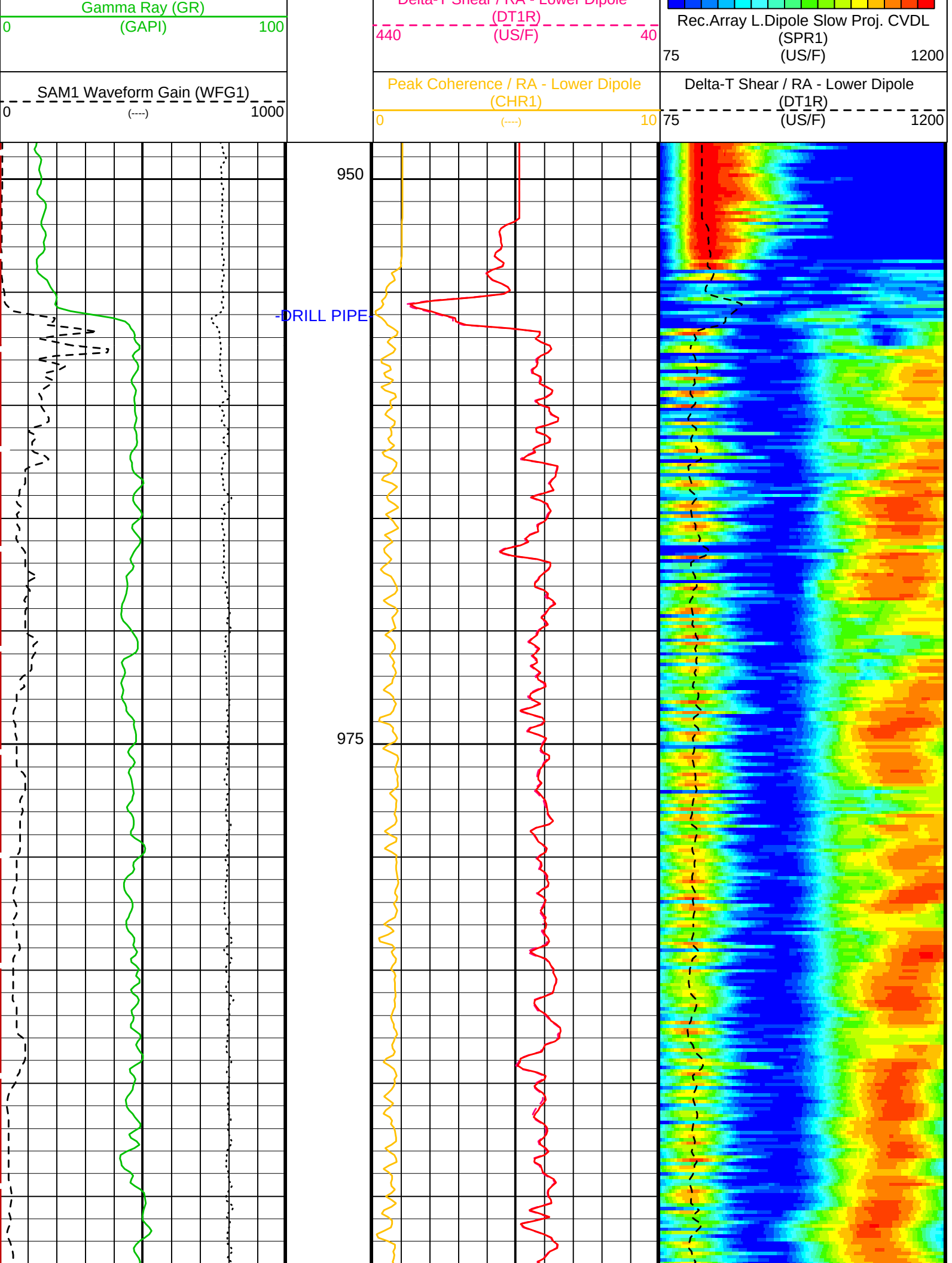
PASS #2

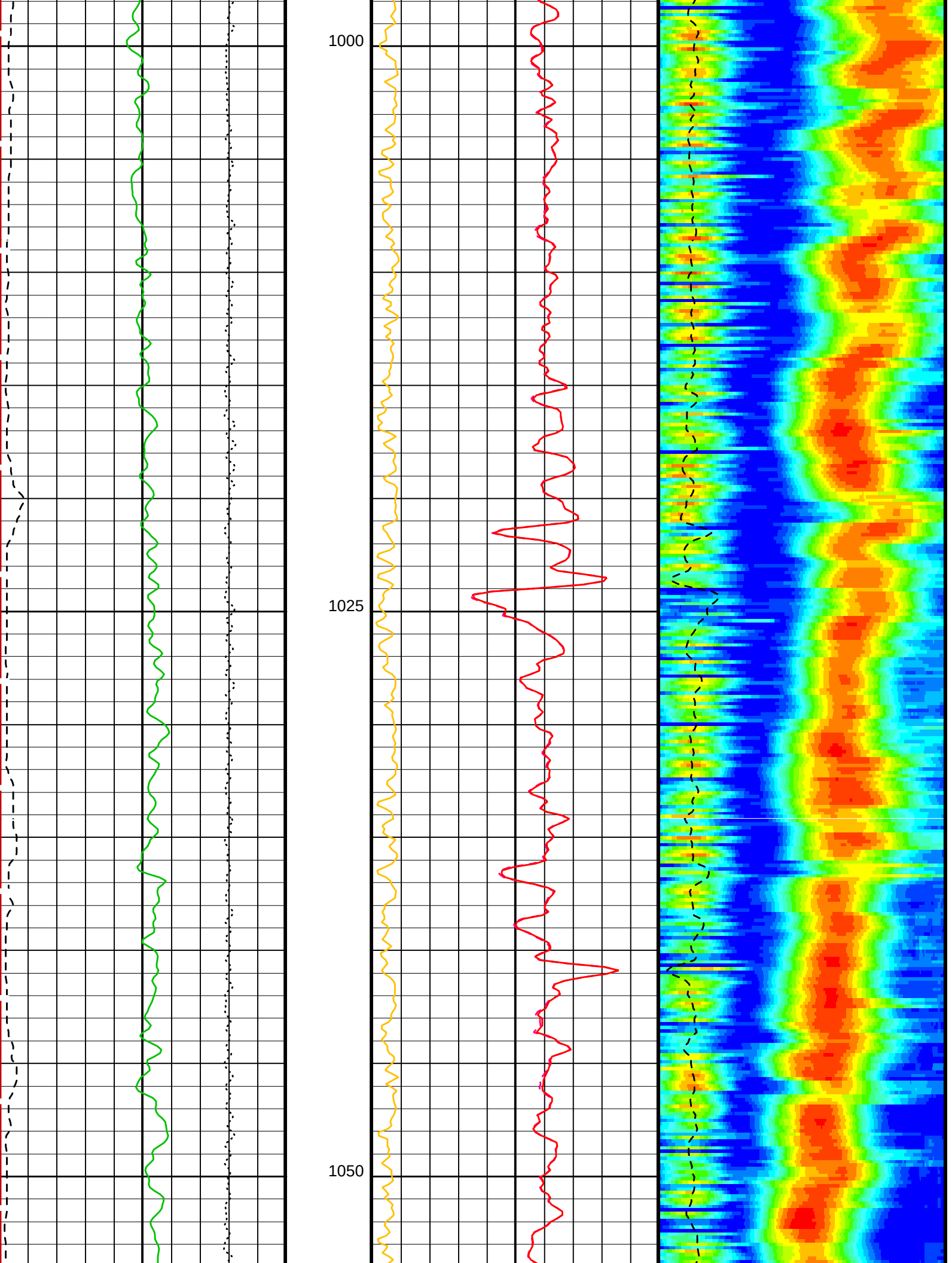
Delta-T Shear - Lower Dipole (DT1)

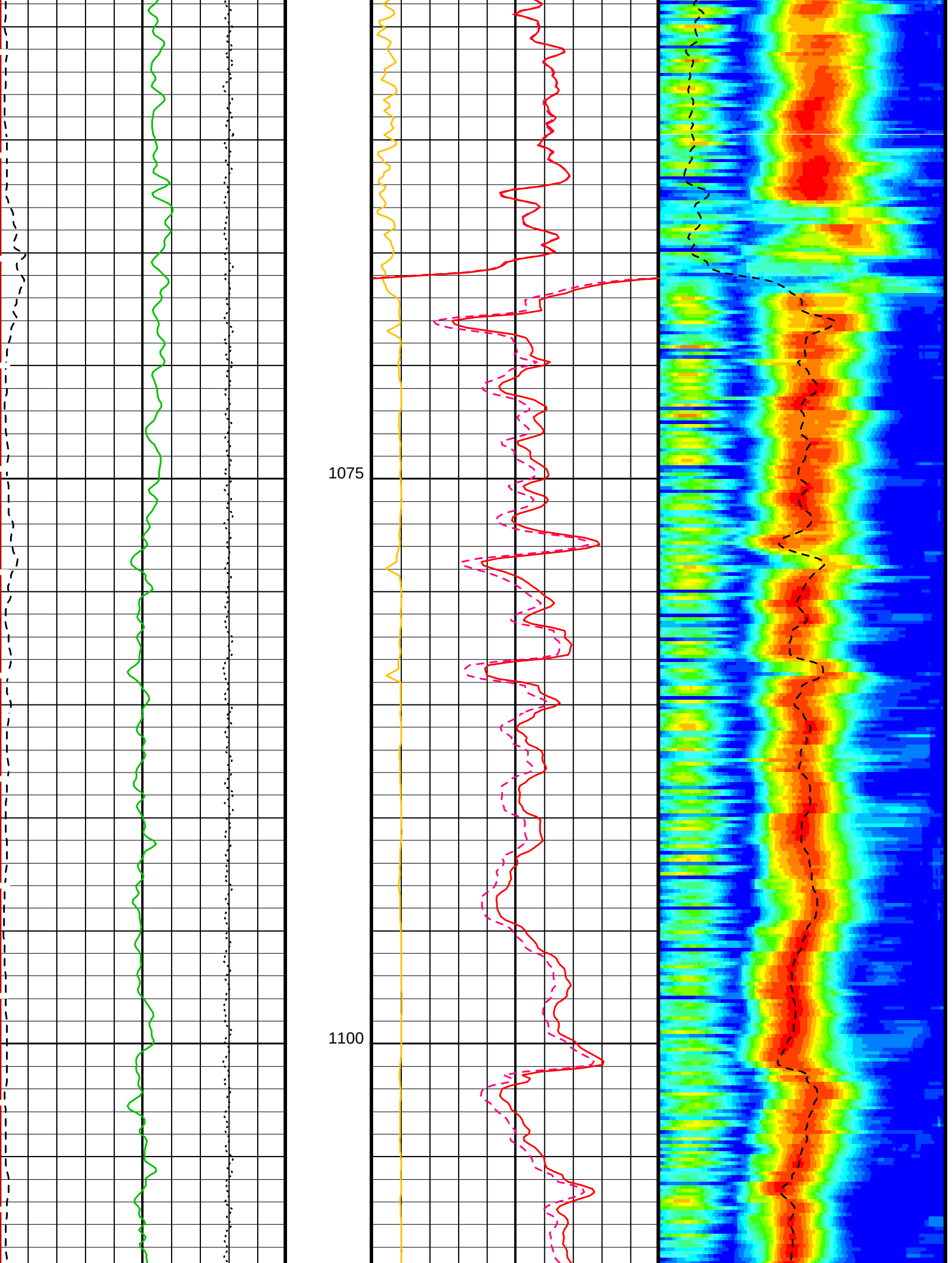
440 (US/F) 40

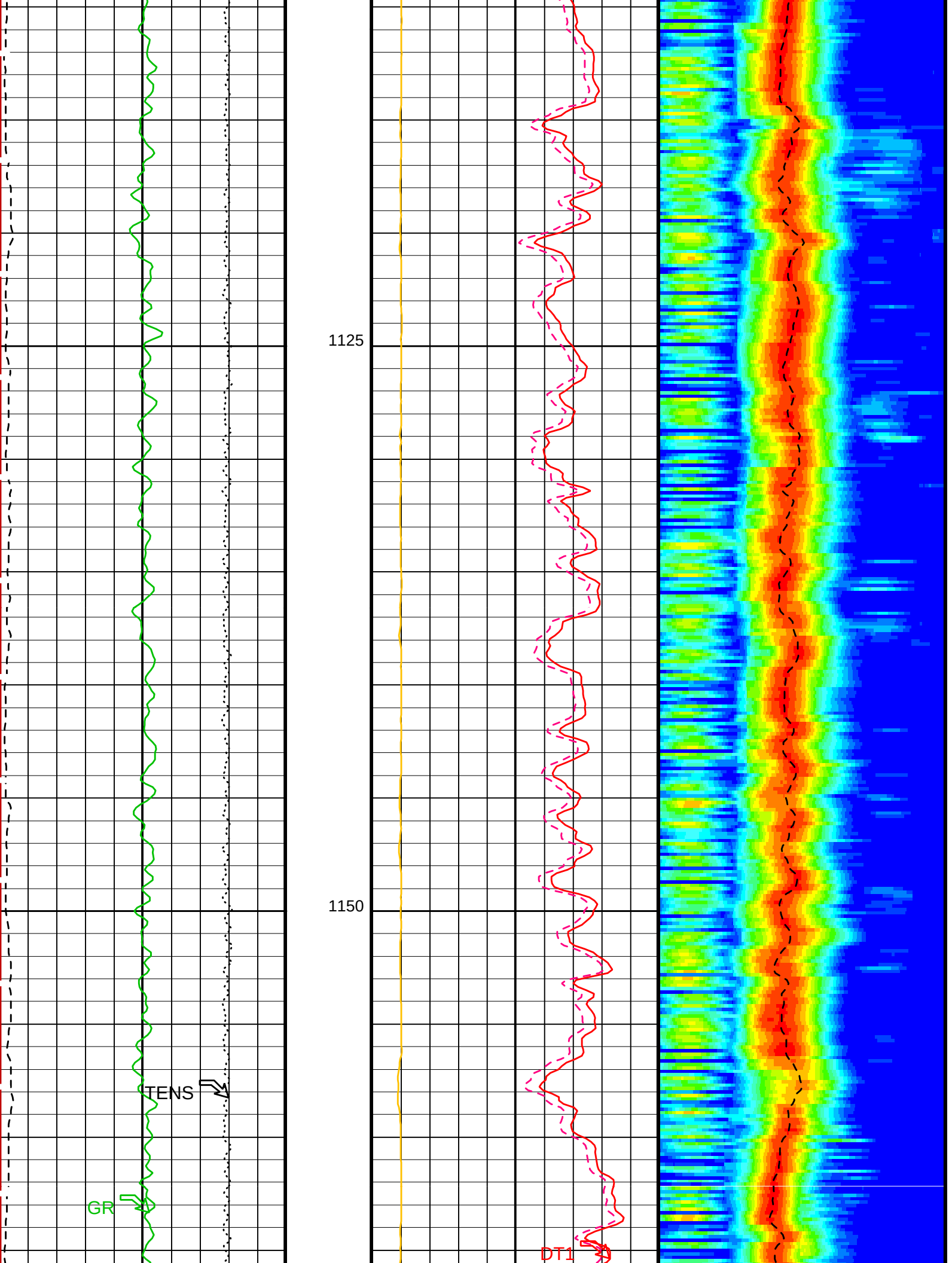
Delta-T Shear / RA - Lower Dipole

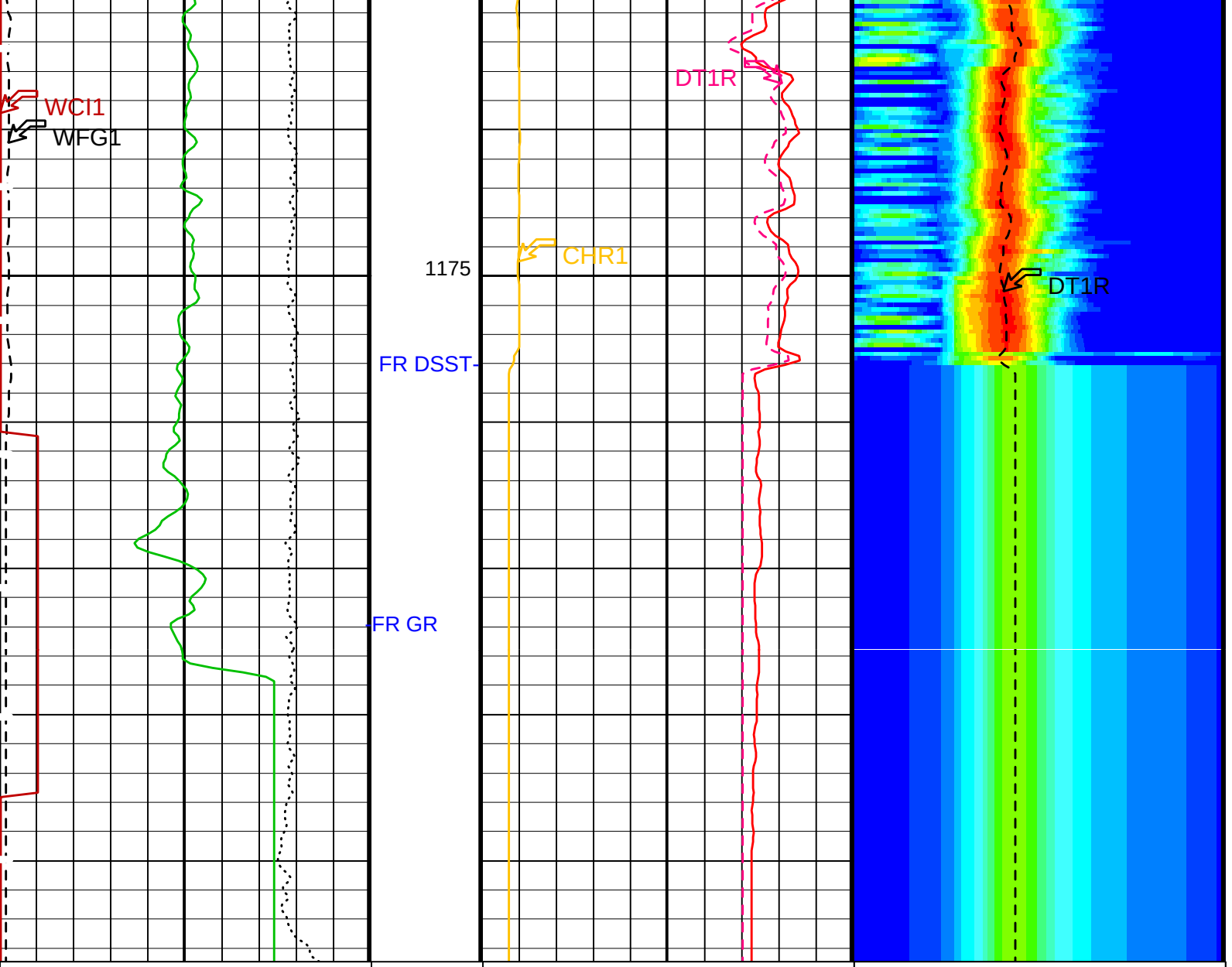
Min Amplitude Max


Gamma Ray (GR)
0
(GAPI)
100
SAM1 Waveform Gain (WFG1)
0
(----)
1000
Delta-T Shear / RA - Lower Dipole
(DT1R)
440
(US/F)
40
Peak Coherence / RA - Lower Dipole
(CHR1)
0
(----)
10
Rec.Array L.Dipole Slow Proj. CVDL
(SPR1)
75
(US/F)
1200
Delta-T Shear / RA - Lower Dipole
(DT1R)
75
(US/F)
1200
950
-DRILL PIPE-
975


1000
1025
1050


1075
1100


1125
1150
TENS
GR
DT1



SAM1 Waveform Gain (WFG1)
0 (----) 1000

Gamma Ray (GR)
0 (GAPI) 100

Tension (TENS)
10000 (LBF) 0

Waveform Data Copy Indicator 1 - Lower Dipole (WCI1)
0 (----) 10

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

Delta-T Shear / RA - Lower Dipole (DT1R)
440 (US/F) 40

Delta-T Shear - Lower Dipole (DT1)
440 (US/F) 40

Delta-T Shear / RA - Lower Dipole (DT1R)
75 (US/F) 1200

Min Amplitude Max

Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75 (US/F) 1200

PASS #2

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST-B: Dipole Shear Imager - B		
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	75	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	900	US/F

DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	10	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
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	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SLL1	STC Slowness Lower Limit - Lower Dipole	75	US/F
SST1	STC Slowness Step - Lower Dipole	4	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit - Lower Dipole	1200	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TST1	STC Time Step - Lower Dipole	200	US
TUL1	STC Time Upper Limit - Lower Dipole	20440	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Aug-2002 04:22

OP System Version: 10C0-306

MCM

MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

Input DLIS Files

DEFAULT	FMS_DSI_027LUP	FN:34	PRODUCER	15-Aug-2002 05:50	1198.5 M	947.8 M

Output DLIS Files

REDUCE	FMS_DSI_048PUP	FN:58	PRODUCER	28-Aug-2002 04:22		

Input DLIS Files

DEFAULT	FMS_DSI_026LUP	FN:32	PRODUCER	15-Aug-2002 04:41	1199.1 M	951.9 M

Output DLIS Files

REDUCE	FMS_DSI_049PUP	FN:59	PRODUCER	28-Aug-2002 04:43	1199.1 M	952.3 M

OP System Version: 10C0-306

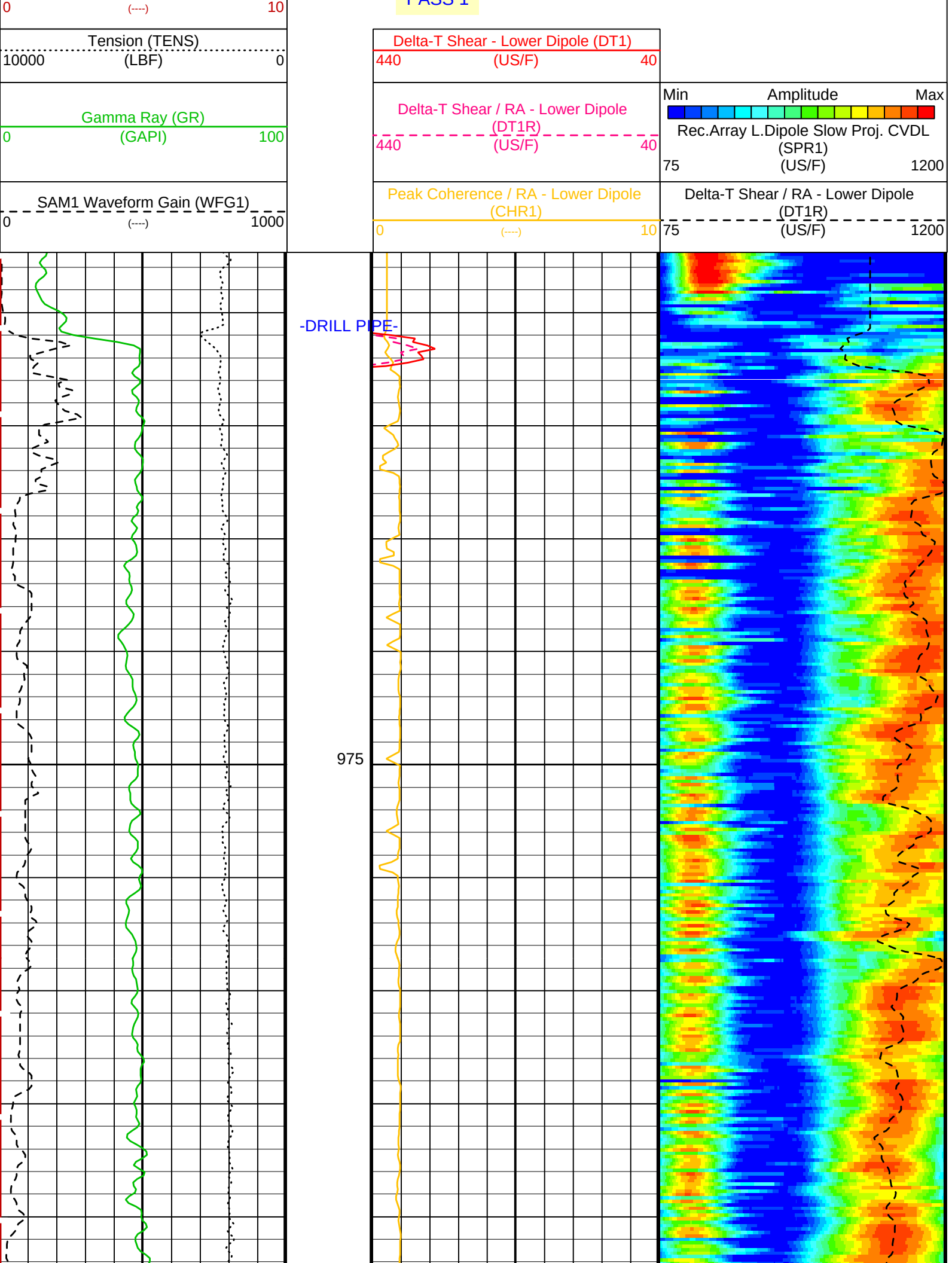
MCM

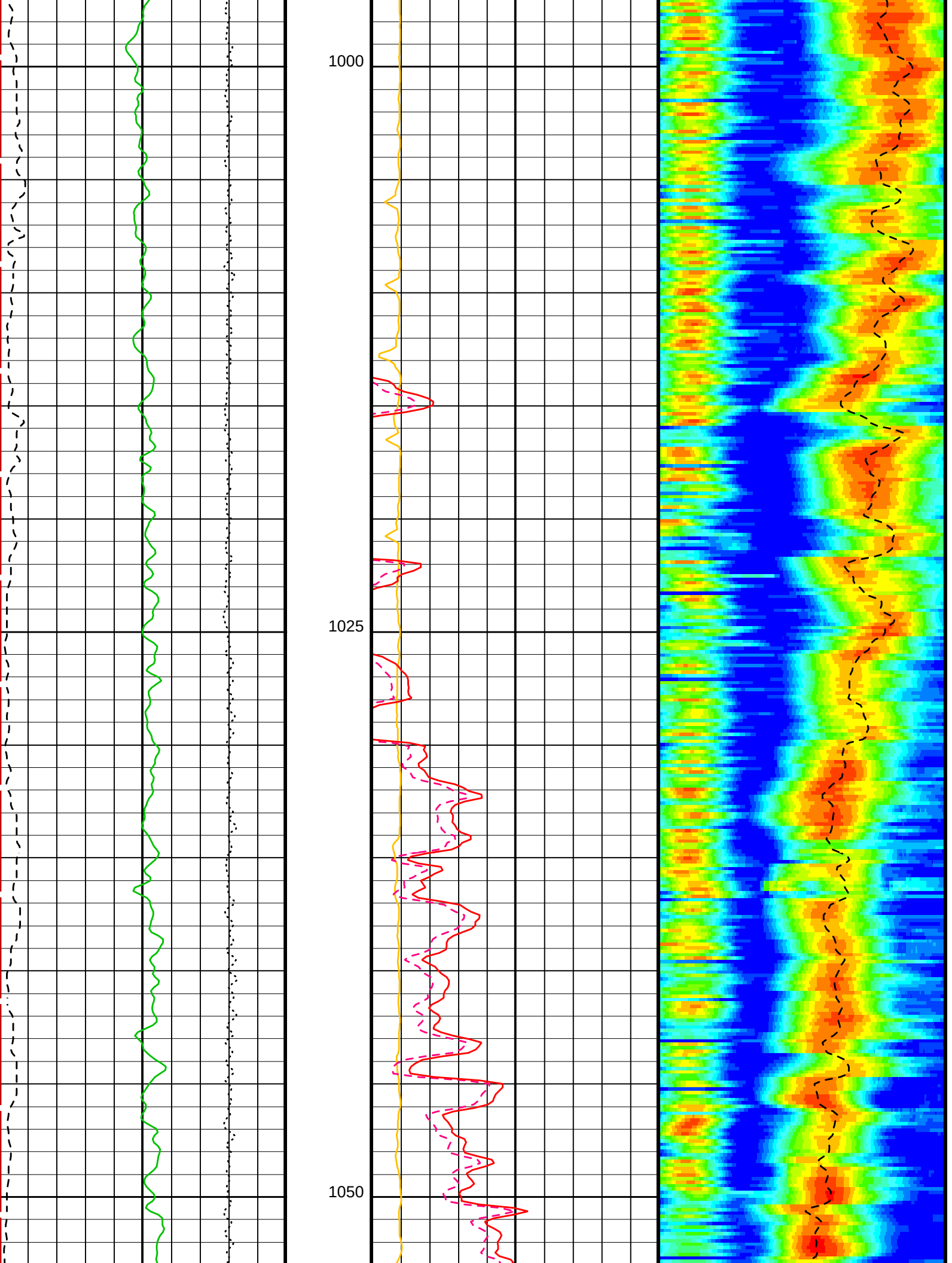
MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

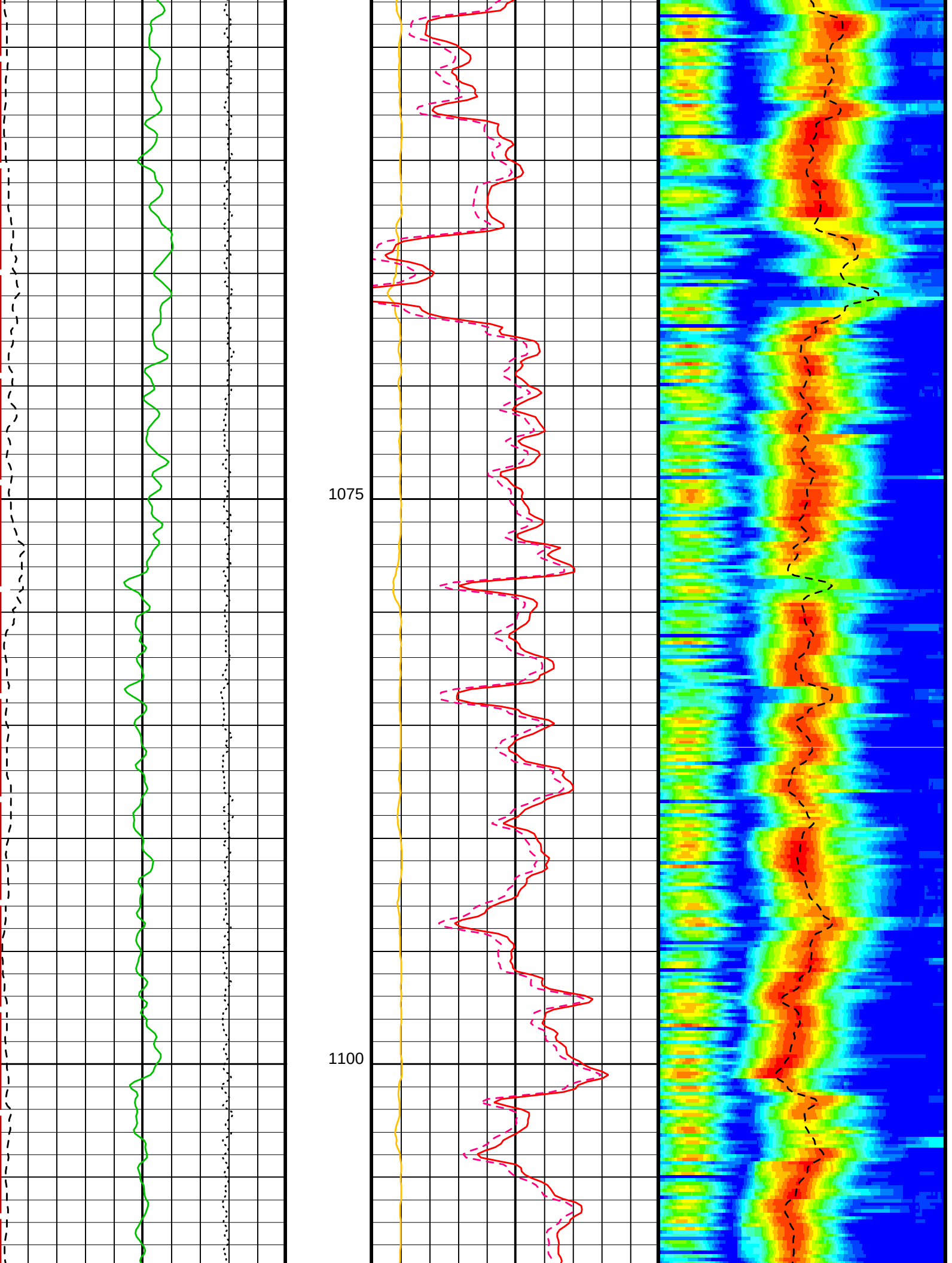
PIP SUMMARY

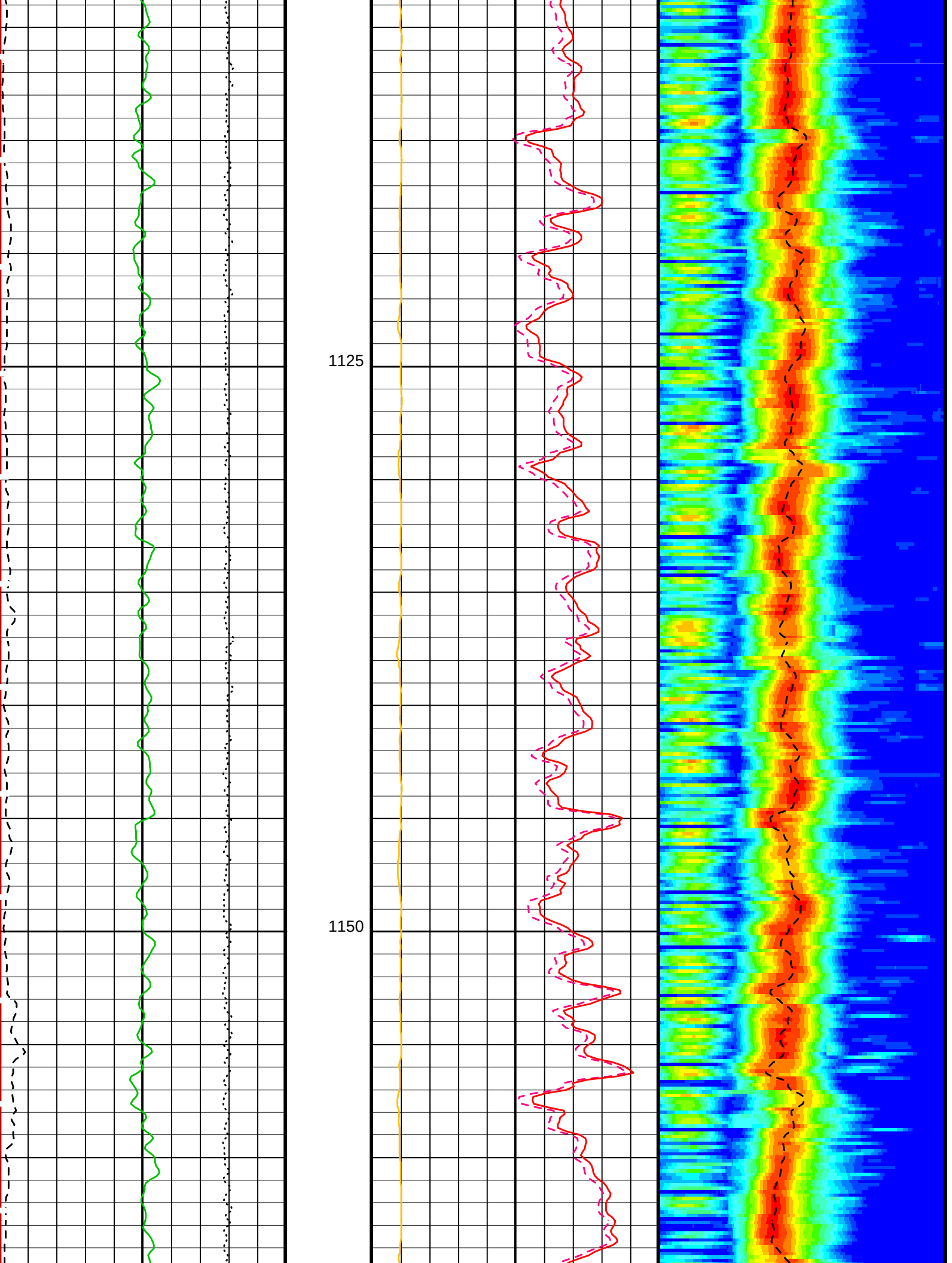
Time Mark Every 60 S

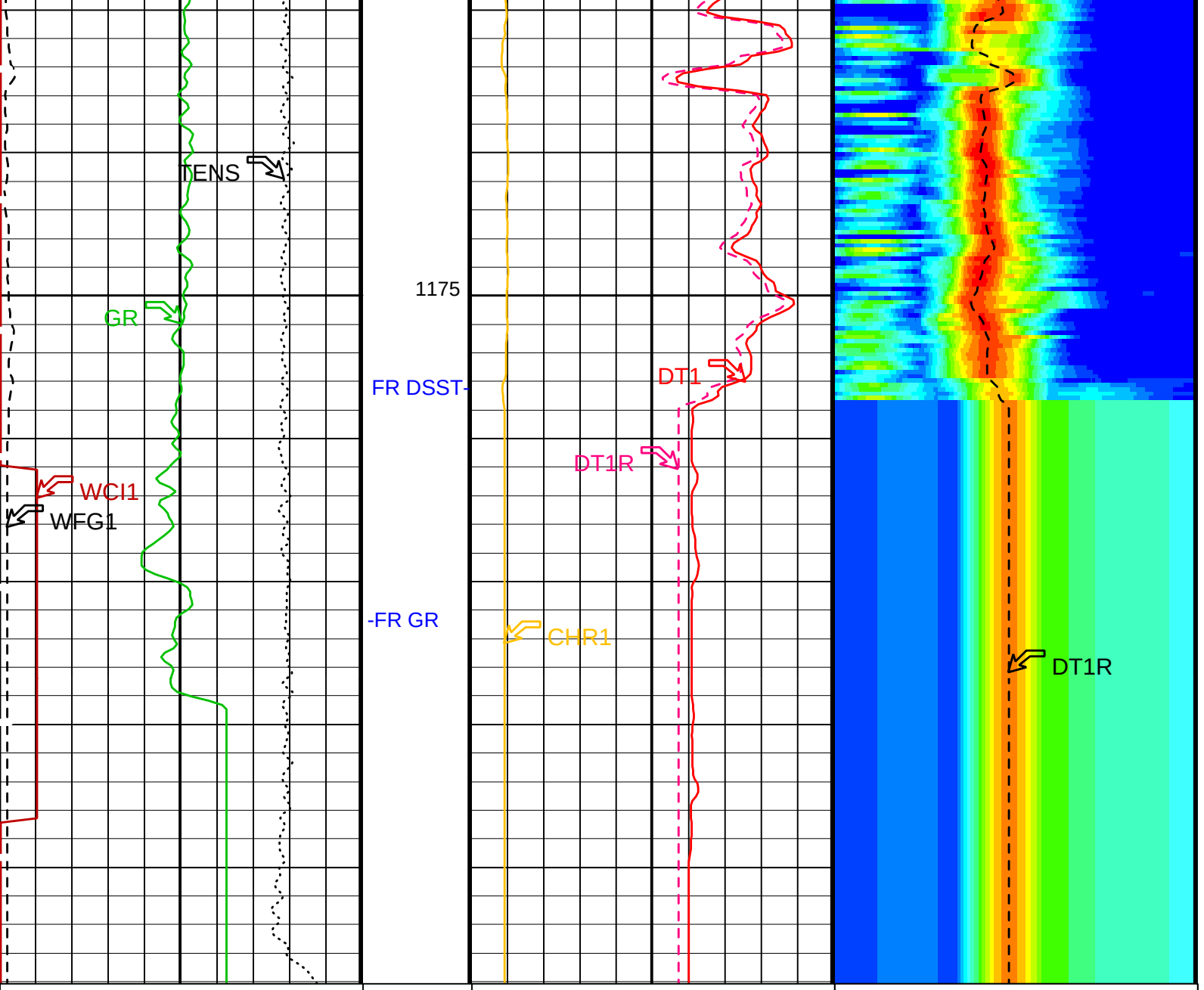
Waveform Data Copy Indicator 1 - Lower Dipole (WCI1)	PASS 1


0
(----)
10
Tension (TENS)
10000
(LBF)
0
Gamma Ray (GR)
0
(GAPI)
100
SAM1 Waveform Gain (WFG1)
0
(----)
1000
PASS 1
Delta-T Shear - Lower Dipole (DT1)
440
(US/F)
40
Delta-T Shear / RA - Lower Dipole (DT1R)
440
(US/F)
40
Peak Coherence / RA - Lower Dipole (CHR1)
0
(----)
10
Min
Amplitude
Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75
(US/F)
1200
Delta-T Shear / RA - Lower Dipole (DT1R)
75
(US/F)
1200
-DRILL PIPE-
975


1000
1025
1050


1075
1100


1125
1150



SAM1 Waveform Gain (WFG1)
0 (----) 1000

Gamma Ray (GR)
0 (GAPI) 100

Tension (TENS)
10000 (LBF) 0

Waveform Data Copy Indicator 1 - Lower Dipole (WCI1)
0 (----) 10

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

Delta-T Shear / RA - Lower Dipole (DT1R)
440 (US/F) 40

Delta-T Shear - Lower Dipole (DT1)
440 (US/F) 40

PASS 1

Delta-T Shear / RA - Lower Dipole (DT1R)
75 (US/F) 1200

Min Amplitude Max

Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75 (US/F) 1200

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST-B: Dipole Shear Imager - B		
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	

DSHL	Label Slowness Lower Limit - Dipole Shear	300	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	10	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
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	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SLL1	STC Slowness Lower Limit - Lower Dipole	75	US/F
SST1	STC Slowness Step - Lower Dipole	4	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit - Lower Dipole	1200	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TST1	STC Time Step - Lower Dipole	200	US
TUL1	STC Time Upper Limit - Lower Dipole	20440	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Aug-2002 04:43

OP System Version: 10C0-306

MCM

MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

Input DLIS Files

DEFAULT	FMS_DSI_026LUP	FN:32	PRODUCER	15-Aug-2002 04:41	1199.1 M	951.9 M

Output DLIS Files

REDUCE	FMS_DSI_049PUP	FN:59	PRODUCER	28-Aug-2002 04:43		

Input DLIS Files

DEFAULT	FMS_DSI_026LUP	FN:32	PRODUCER	15-Aug-2002 04:41	1199.1 M	951.9 M

Output DLIS Files

REDUCE	FMS_DSI_049PUP	FN:59	PRODUCER	28-Aug-2002 04:43	1199.1 M	952.3 M

OP System Version: 10C0-306

MCM

MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

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 - Upper Dipole (CHR2)
0 (----) 10

Tension (TENS)
10000 (LBF) 0

Gamma Ray (GR)
0 (GAPI) 100

Delta-T Shear - P & S (DT4S)
440 (US/F) 40

Delta-T Comp - P & S (DT4P)
440 (US/F) 40

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

Bit Size (BS)
6 (IN) 16

PASS #1

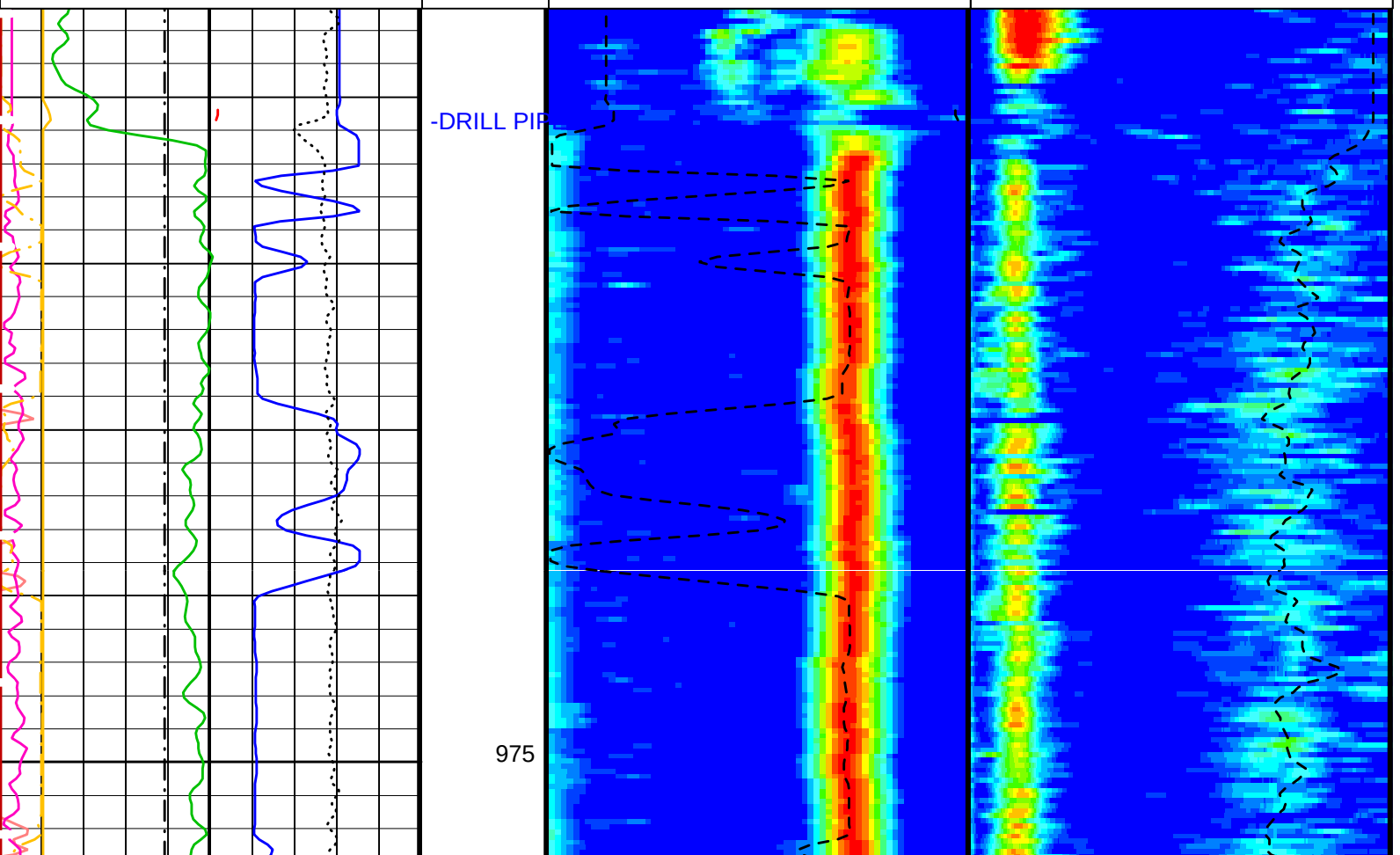
Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
100 (US/F) 240

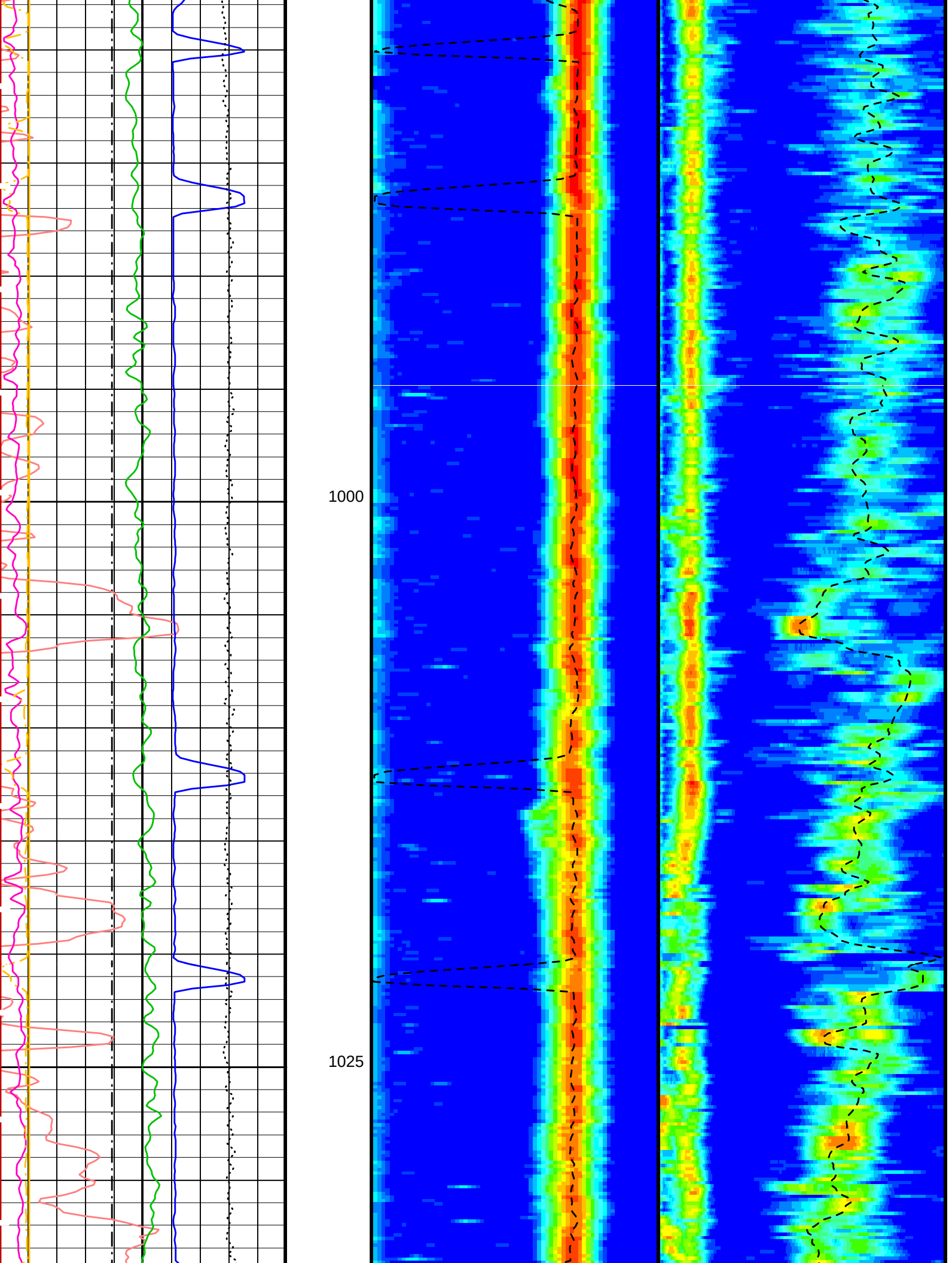
Delta-T Shear / RA - P & S (DTRS)
100 (US/F) 240

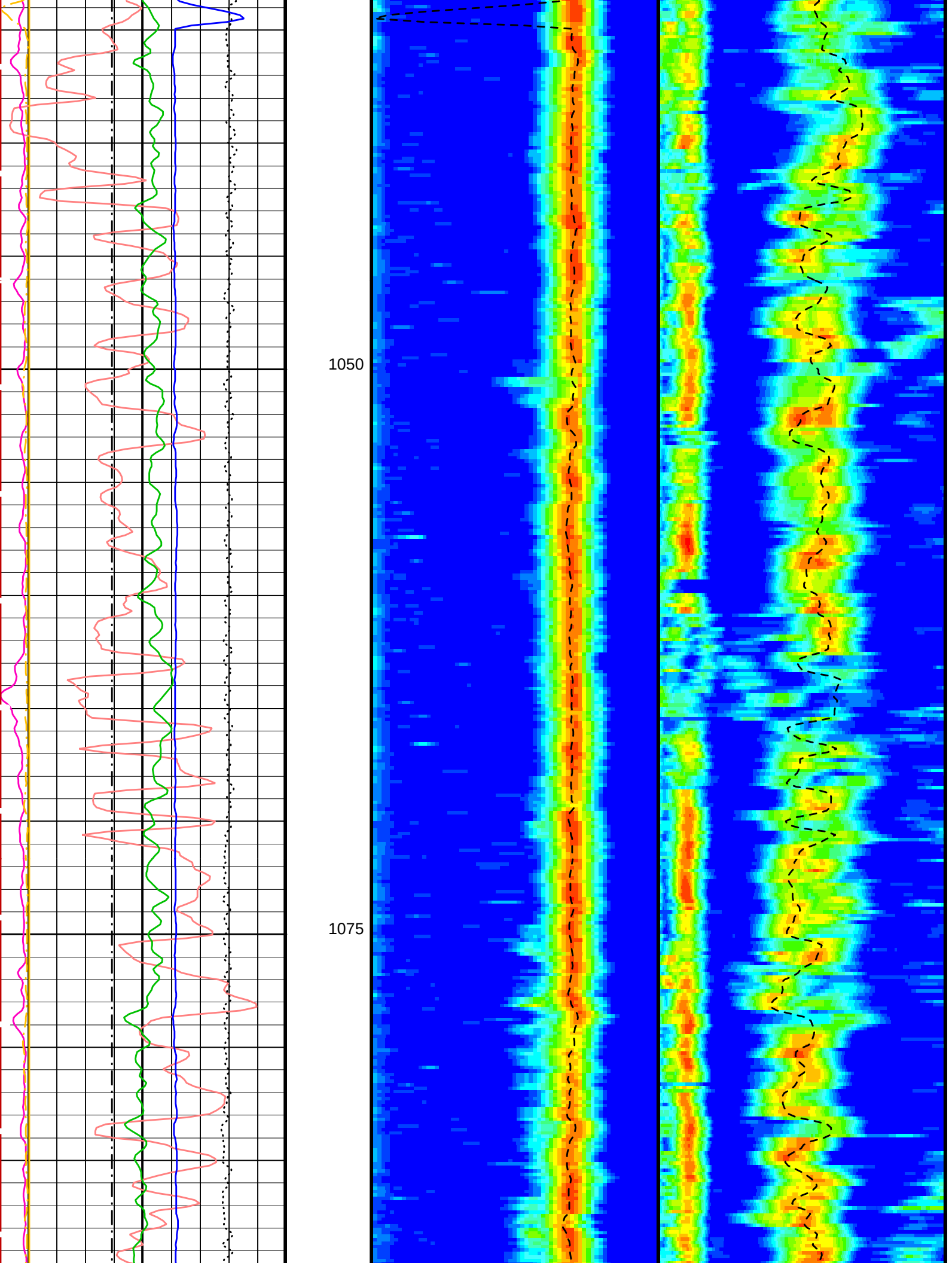
Delta-T Comp / RA - P & S (DTRP)
100 (US/F) 240

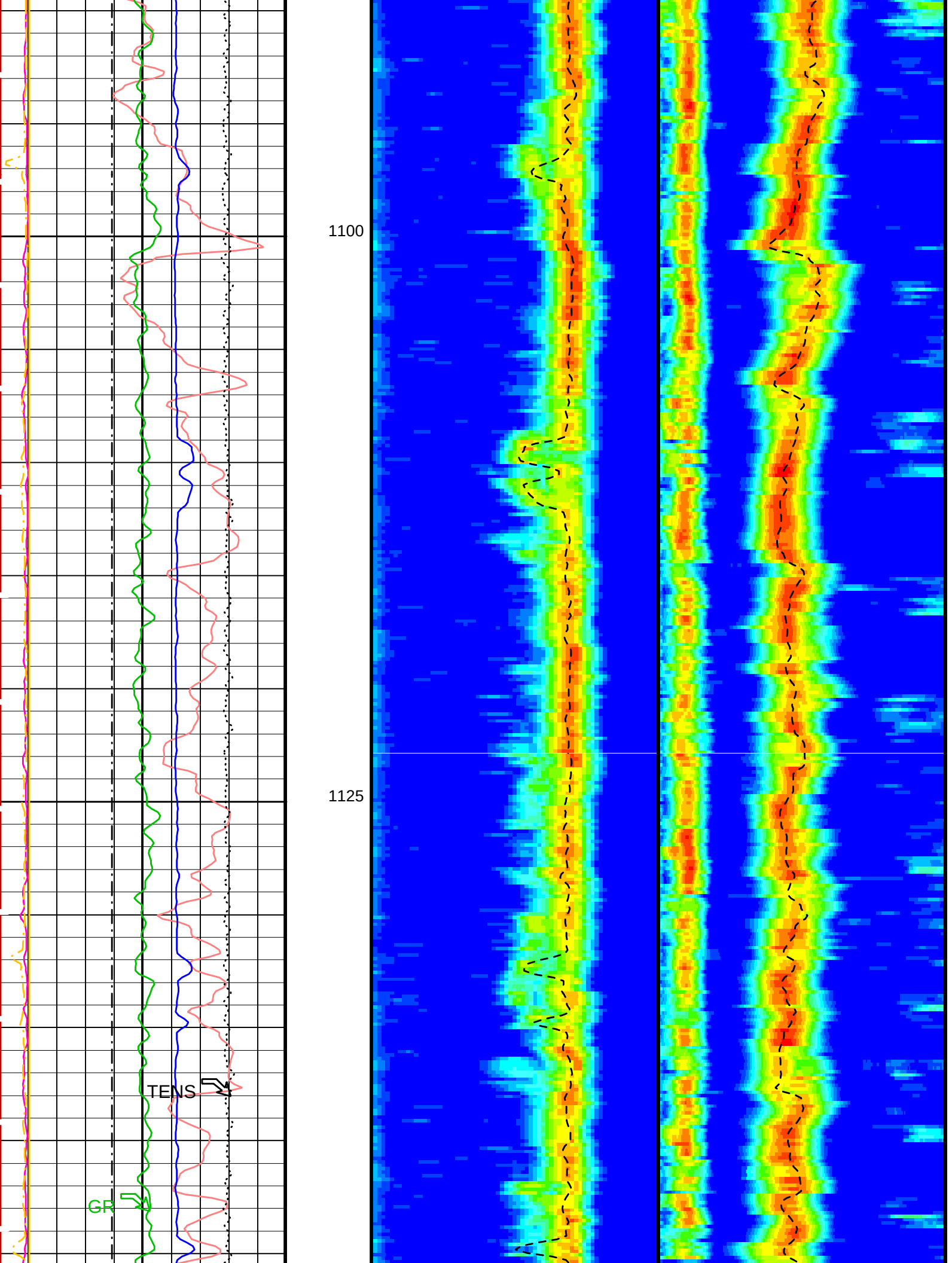
Min Amplitude Max
Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
75 (US/F) 1200

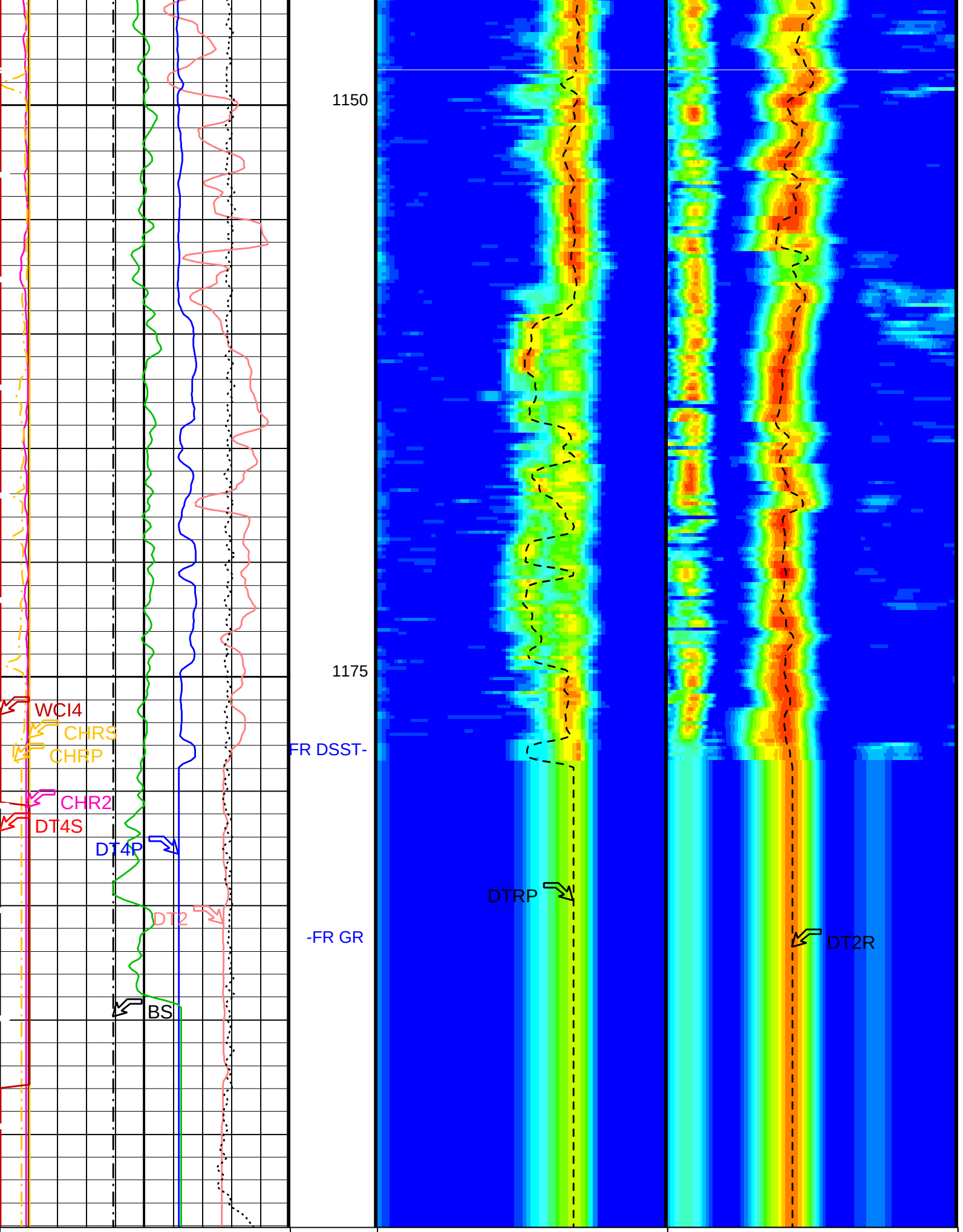
Delta-T Shear / RA - Upper Dipole (DT2R)
75 (US/F) 1200

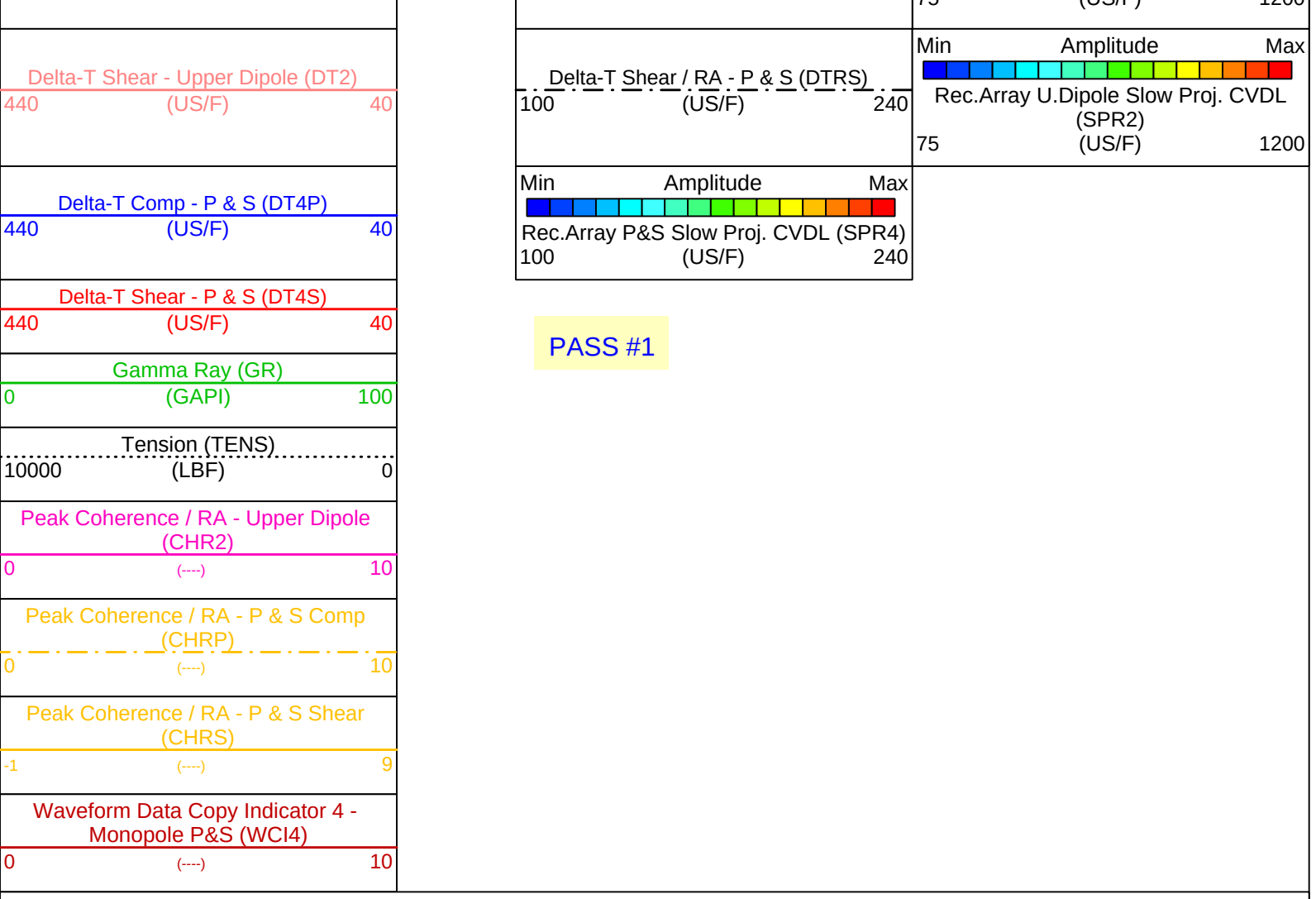



1000
1025


1050
1075


1100
1125
TENS
GR


1150
1175
WCI4
CHRS
CHRP
CHR2
DT4S
DT4P
DT2
BS
FR DSST-
-FR GR
DTRP
DT2R
Bit Size (BS)
6
(IN)
16
Delta-T Comp / RA - P & S (DTRP)
100
(US/F)
240
Delta-T Shear / RA - Upper Dipole (DT2R)
75
(US/F)
1200



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	SGT-N: Scintillation Gamma-Ray - N		
BHS	Borehole Status	OPEN	
	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	100	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	200	US/F
DDE2	Digitizing Delay 2	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	300	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1200	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	10	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DTF	Delta-T Fluid	189	US/F
DWC2	Digitizer Word Count 2	512	
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control - Monopole P&S	COMP	
LFC	Label Formation Character - Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI2	Number Waveform Items 2	8	
NWI4	Number Waveform Items 4	8	
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
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
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	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B1-3K	
SFM4	STC Filter - Monopole P&S	B3-20K	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	220	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240	US/F
SLL2	STC Slowness Lower Limit - Upper Dipole	75	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	40	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SST4	STC Slowness Step - Monopole P&S	2	US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
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
SUL2	STC Slowness Upper Limit - Upper Dipole	1200	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TST2	STC Time Step - Upper Dipole	200	US
TST4	STC Time Step - Monopole P&S	50	US
TUL2	STC Time Upper Limit - Upper Dipole	20200	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM4	Waveform Mode 4	W1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Aug-2002 04:43

OP System Version: 10C0-306

MCM

MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

Input DLIS Files

DEFAULT	FMS_DSI_026LUP	FN:32	PRODUCER	15-Aug-2002 04:41	1199.1 M	951.9 M

Output DLIS Files

REDUCE	FMS_DSI_049PUP	FN:59	PRODUCER	28-Aug-2002 04:43

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units

Micro Electrical Scanner - B (Slim) Wellsite Calibration - Caliper Calibration

Before: Calibration out of date 27-Jul-2002 12:28							
Caliper 1 Zero Measurement	12.00	N/A	12.52	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	11.83	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.25	N/A	15.63	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.25	N/A	15.10	N/A	N/A	N/A	IN
Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 15-Aug-2002 4:06							
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: 15-Aug-2002 4:06							
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: Calibration out of date 27-Jul-2002 12:08							
Gamma Ray (Jig - Bkg)	164.1	N/A	164.1	N/A	N/A	14.92	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	724
MEST Preamplifier Cartridge - AB	MEPC - AB	806
GPIT Cartridge - A	GPIC - A	719
MEST Acquisition Cartridge - A	MEAC - A	833
Auxiliary Equipment:		
MEST-B Preamplifier Cartridge Housing	MEPH - A	702
MEST Acquisition Cartridge Housing (Slim	MEAH - B	701

Scintillation Gamma-Ray - N / Equipment Identification

Primary Equipment:		
Scintillation Gamma Cartridge	SGC - TB	9585
Scintillation Gamma Detector	SGD - TAA	1
Auxiliary Equipment:		
Scintillation Gamma Housing	SGH - K	245
Gamma Source Radioactive	GSR - U/Y	135

Scintillation Gamma-Ray - N Wellsite Calibration

Detector Calibration

Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig - Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value
Before		4.854	Before		164.1	Before		165.0
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			149.2 (Minimum) 164.1 (Nominal) 179.0 (Maximum)			150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)	

Before: Calibration out of date 27-Jul-2002 12:08

Company: Lamont Doherty

Schlumberger

Well: ODP Leg 204, Site 1245 E

Field: Hydrate Ridge

Field: Hydrate Ridge
Ocean: Pacific
State: Oregon

Dipole Shear Sonic
P&S Monopole Compressional
Gamma Ray