

<div><div>Schlumberger</div><div>Company: Lamont Doherty</div><div>Well: ODP Leg 204, Site 1252A</div><div>Field: Hydrate Ridge</div><div>Ocean: Pacific</div><div>State: Oregon</div></div>									
<div><div>Dipole Shear Sonic</div><div>P&amp;S Compressional Monopole</div><div>Gamma Ray</div></div>					<div><div>Ocean: Pacific</div><div>Field: Hydrate Ridge</div><div>Location: W 125° 5.5684'</div><div>Well: ODP Leg 204, Site 1252A</div><div>Company: Lamont Doherty</div></div>				
LOCATION		W 125° 5.5684'		Elev.: K.B. 11.3 m					
		N 44° 35.1658'		G.L. -1051 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				
Logging Date		31-Aug-2002							
Run Number		1							
Depth Driller		1311 m							
Schlumberger Depth		1311 m							
Bottom Log Interval		1301 m							
Top Log Interval		1125 m							
Casing Driller Size @ Depth		0.000 in @ 1126 m							
Casing Schlumberger		1125 m							
Bit Size		11.438 in							
Type Fluid In Hole		Sepiolite Salt Water Base							
Density		1.1 g/cm3							
Fluid Loss		PH							
Source Of Sample		Mud Pit							
RM @ Measured Temperature		0.322 ohm.m @ 27 degC							
RMF @ Measured Temperature		@ @							
RMC @ Measured Temperature		@ @							
Source RMF		RMC							
RM @ MRT		RMF @ MRT							
Maximum Recorded Temperatures		15 degC @ 15 @ 15 @							
Circulation Stopped		Time		3:00					
Logger On Bottom		Time		13:05					
Unit Number		Location							
Recorded By		K. Swain							
Witnessed By		G. Guerin, S. Barr, T. Collett							

<div><div>Schlumberger</div><div>Company: Lamont Doherty</div><div>Well: ODP Leg 204, Site 1252A</div><div>Field: Hydrate Ridge</div><div>Ocean: Pacific</div><div>State: Oregon</div></div>									
<div><div>Dipole Shear Sonic</div><div>P&amp;S Compressional Monopole</div><div>Gamma Ray</div></div>					<div><div>Ocean: Pacific</div><div>Field: Hydrate Ridge</div><div>Location: W 125° 5.5684'</div><div>Well: ODP Leg 204, Site 1252A</div><div>Company: Lamont Doherty</div></div>				
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		N 44° 35.1658'		G.L. -1051 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		
Logging Date				31-Aug-2002					
Run Number				1					
Depth Driller				1311 m					
Schlumberger Depth				1311 m					
Bottom Log Interval				1301 m					
Top Log Interval				1125 m					
Casing Driller Size @ Depth				0.000 in @ 1126 m					
Casing Schlumberger				1125 m					
Bit Size				11.438 in					
Type Fluid In Hole				Sepiolite Salt Water Base					
Density		Viscosity		1.1 g/cm3					
Fluid Loss		PH							
Source Of Sample				Mud Pit					
RM @ Measured Temperature				0.322 ohm.m @ 27 degC					
RMF @ Measured Temperature				@					
RMC @ Measured Temperature				@					
Source RMF		RMC							
RM @ MRT		RMF @ MRT		0.428 @ 15 @ 15		@		@	
Maximum Recorded Temperatures				15 degC					
Circulation Stopped		Time		31-Aug-2002		3:00			
Logger On Bottom		Time		31-Aug-2002		13:05			
Unit Number		Location		99		Houston-ODP			
Recorded By				K. Swain					
Witnessed By				G. Guerin, S. Barr, T. Collett					

<div>Schlumberger</div>					
Company:		Lamont Doherty			
Well:	ODP Leg 204, Site 1252A				
Field:	Hydrate Ridge				
Ocean:	Pacific				
Oceanic Drilling Program					
Project Name:					
Site:					
Leg:					
Drill Site:					
Drill Type:					
Drill Bit:					
Drill Size:					
Drill Depth:					
Drill Interval:					
Drill Rate:					
Drill Time:					
Drill Cost:					
Drill Status:					
Drill Location:					
Drill Date:					
Drill Operator:					
Drill Supervisor:					
Drill Engineer:					
Drill Technician:					
Drill Assistant:					
Drill Worker:					
Drill Helper:					
Drill Support:					
Drill Crew:					
Drill Team:					
Drill Group:					
Drill Unit:					
Drill Rig:					
Drill Platform:					
Drill Vessel:					
Drill Ship:					
Drill Boat:					
Drill Barge:					
Drill Tug:					
Drill Supply:					
Drill Fuel:					
Drill Air:					
Drill Water:					
Drill Oil:					
Drill Grease:					
Drill Lubricant:					
Drill Coolant:					
Drill Fluid:					
Drill Mud:					
Drill Cement:					
Drill Grout:					
Drill Sealant:					
Drill Plug:					
Drill Stopper:					
Drill Plugger:					
Drill Plughead:					
Drill Plugbit:					
Drill Plugstem:					
Drill Plugtail:					
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Drill Plugmiddle:					
Drill Plugside:					
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Drill Plugcenter:					
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<div>Schlumberger</div>					
Company:		Lamont Doherty			
Well:	ODP Leg 204, Site 1252A				
Field:	Hydrate Ridge				
Ocean:	Pacific				
Oceanic Drilling Program					
Project Name:					
Site:					
Leg:					
Drill Site:					
Drill Type:					
Drill Bit:					
Drill Fluid:					
Drill Mud:					
Drill Core:					
Drill Log:					
Drill Data:					
Drill Results:					
Drill Summary:					
Drill Conclusion:					
Drill Recommendations:					
Drill Notes:					
Drill Attachments:					
Drill References:					
Drill Contacts:					
Drill Acknowledgments:					
Drill Signatures:					
Drill Dates:					
Drill Locations:					
Drill Equipment:					
Drill Personnel:					
Drill Safety:					
Drill Environment:					
Drill Geology:					
Drill Biology:					
Drill Chemistry:					
Drill Physics:					
Drill Mathematics:					
Drill Statistics:					
Drill Calculations:					
Drill Formulas:					
Drill Equations:					
Drill Theorems:					
Drill Principles:					
Drill Laws:					
Drill Rules:					
Drill Regulations:					
Drill Standards:					
Drill Guidelines:					
Drill Procedures:					
Drill Protocols:					
Drill Policies:					
Drill Practices:					
Drill Methods:					
Drill Techniques:					
Drill Tools:					
Drill Equipment:					
Drill Materials:					
Drill Supplies:					
Drill Consumables:					
Drill Waste:					
Drill Debris:					
Drill Residue:					
Drill Byproducts:					
Drill Emissions:					
Drill Discharges:					
Drill Releases:					
Drill Effluents:					
Drill Wastewater:					
Drill Sludge:					
Drill Sediment:					
Drill Core Samples:					
Drill Cuttings:					
Drill Drillings:					
Drill Chips:					
Drill Shavings:					
Drill Swarf:					
Drill Turnings:					
Drill Bore:					
Drill Flank:					
Drill Root:					
Drill Top:					
Drill Bottom:					
Drill End:					
Drill Start:					
Drill Beginning:					
Drill Commencement:					
Drill Initiation:					
Drill Onset:					
Drill Outset:					
Drill Termination:					
Drill Cessation:					
Drill Completion:					
Drill Finalization:					
Drill Closure:					
Drill Sealing:					
Drill Plugging:					
Drill Cementing:					
Drill Grouting:					
Drill Filling:					
Drill Packing:					
Drill Lining:					
Drill Casing:					
Drill Pipe:					
Drill Rod:					
Drill Stringer:					
Drill Assembly:					
Drill Configuration:					
Drill Setup:					
Drill Arrangement:					
Drill Organization:					
Drill Structure:					
Drill Framework:					
Drill Skeleton:					
Drill Backbone:					
Drill Spine:					
Drill Core:					
Drill Heart:					
Drill Soul:					
Drill Mind:					
Drill Spirit:					
Drill Essence:					
Drill Energy:					
Drill Power:					
Drill Force:					
Drill Strength:					
Drill Vigor:					
Drill Momentum:					
Drill Impetus:					
Drill Drive:					
Drill Thrust:					
Drill Push:					
Drill Pull:					
Drill Traction:					
Drill Adhesion:					
Drill Cohesion:					
Drill Friction:					
Drill Resistance:					
Drill Opposition:					
Drill Contradiction:					
Drill Conflict:					
Drill Strife:					
Drill Contention:					
Drill Quarrel:					
Drill Dispute:					
Drill Argument:					
Drill Debate:					
Drill Discussion:					
Drill Dialogue:					
Drill Conversation:					
Drill Communication:					
Drill Interaction:					
Drill Engagement:					
Drill Involvement:					
Drill Participation:					
Drill Contribution:					
Drill Input:					
Drill Output:					
Drill Production:					
Drill Creation:					
Drill Generation:					
Drill Development:					
Drill Growth:					
Drill Expansion:					
Drill Increase:					
Drill Amplification:					
Drill Enhancement:					
Drill Improvement:					
Drill Advancement:					
Drill Progress:					
Drill Advancement:					
Drill Forward:					
Drill Ahead:					
Drill Onward:					
Drill Upward:					
Drill Upwards:					
Drill Ascending:					
Drill Ascent:					
Drill Climbing:					
Drill Climb:					
Drill Mounting:					

<div>Schlumberger</div>					
Company:		Lamont Doherty			
Well:	ODP Leg 204, Site 1252A				
Field:	Hydrate Ridge				
Ocean:	Pacific				
Oceanic Drilling Program					
Project Name:					
Site:					
Leg:					
Drill Ship:					
Cruise:					
Date:					
Time:					
Location:					
Depth:					
Core Depth:					
Core Length:					
Core Weight:					
Core Volume:					
Core Area:					
Core Perimeter:					
Core Circumference:					
Core Diameter:					
Core Radius:					
Core Thickness:					
Core Width:					
Core Height:					
Core Length:					
Core Weight:					
Core Volume:					
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Core Perimeter:					
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Core Radius:					
Core Thickness:					
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Core Length:					
Core Weight:					
Core Volume:					
Core Area:					
Core Perimeter:					
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Core Weight:					
Core Volume:					
Core Area:					
Core Perimeter:					
Core Circumference:					
Core Diameter:					
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Core Thickness:					
Core Width:					

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<div><div>Dipole Shear Sonic</div><div>P&amp;S Compressional Monopole</div><div>Gamma Ray</div></div>					<div><div>Ocean: Pacific</div><div>Field: Hydrate Ridge</div><div>Location: W 125° 5.5684'</div><div>Well: ODP Leg 204, Site 1252A</div><div>Company: Lamont Doherty</div></div>							
<div><div>LOCATION</div><div>W 125° 5.5684'</div><div>N 44° 35.1658'</div><div>Permanent Datum: MSL</div><div>Log Measured From: RKB</div><div>Drilling Measured From: RKB</div></div>					Elev.: K.B. 11.3 m		G.L. -1051 m		D.F. 11 m			
					Elev.: 0 m		11.3 m above Perm. Datum					
					API Serial No.		Max. Hole Devi.		Longitude		Latitude	
					Logging Date		31-Aug-2002					
Run Number					1							
Depth Driller					1311 m							
Schlumberger Depth					1311 m							
Bottom Log Interval					1301 m							
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Type Fluid In Hole					Sepiolite Salt Water Base							
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Fluid Loss		PH										
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RM @ Measured Temperature					0.322 ohm.m @ 27 degC							
RMF @ Measured Temperature					@ @							
RMC @ Measured Temperature					@ @							
Source RMF		RMC										
RM @ MRT		RMF @ MRT		0.428 @ 15 @ 15		@ @						
Maximum Recorded Temperatures					15 degC							
Circulation Stopped		Time		31-Aug-2002		3:00						
Logger On Bottom		Time		31-Aug-2002		13:05						
Unit Number		Location		99 Houston-ODP								
Recorded By					K. Swain							
Witnessed By					G. Guerin, S. Barr, T. Collett							

[illegible]

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.

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 2450  
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  
HV DF  
Tension GPIT  
TOOL ZERO

0.46


0.00

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



Output DLIS Files						
DEFAULT	FMS_DSI_014LUP	FN:21	PRODUCER	31-Aug-2002 13:56	1313.7 M	1116.9 M
REDUCE	FMS_DSI_014LUP	FN:22	PRODUCER	31-Aug-2002 13:56	1313.7 M	1116.9 M

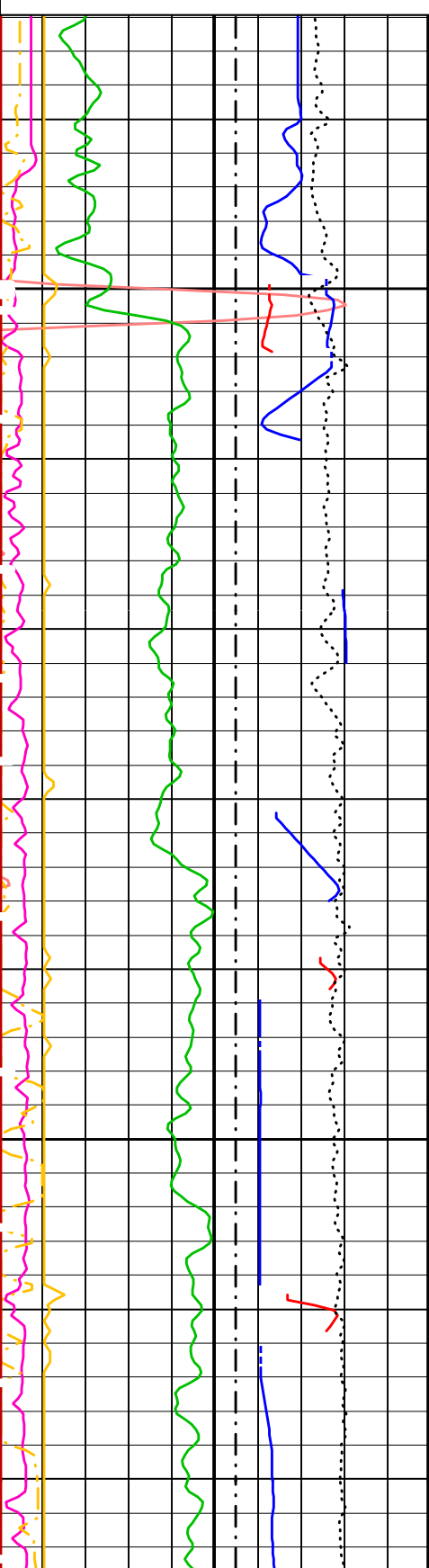
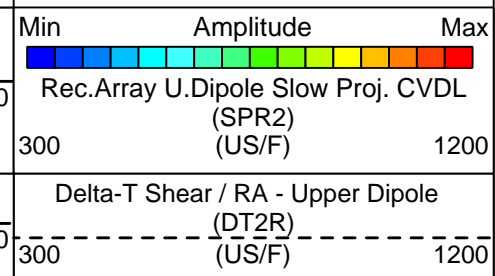
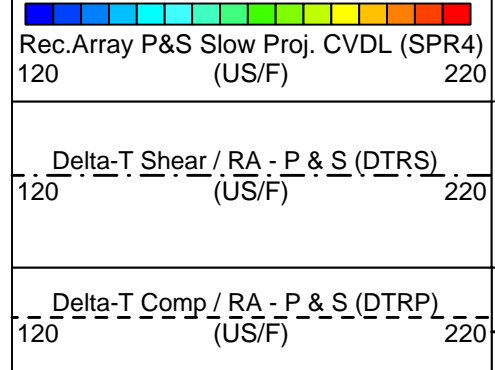
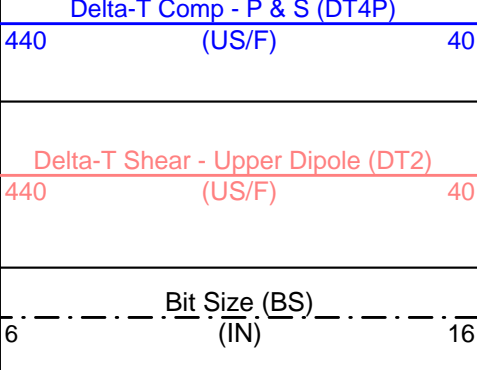
OP System Version: 10C0-306						
MCM						
MEST-B	10C0-306		DTA-A	10C0-306		
SGT-N	10C0-306		DSST-B	OP10-KP1		
DTC-H	10C0-306					

PIP SUMMARY						
 Time Mark Every 60 S						

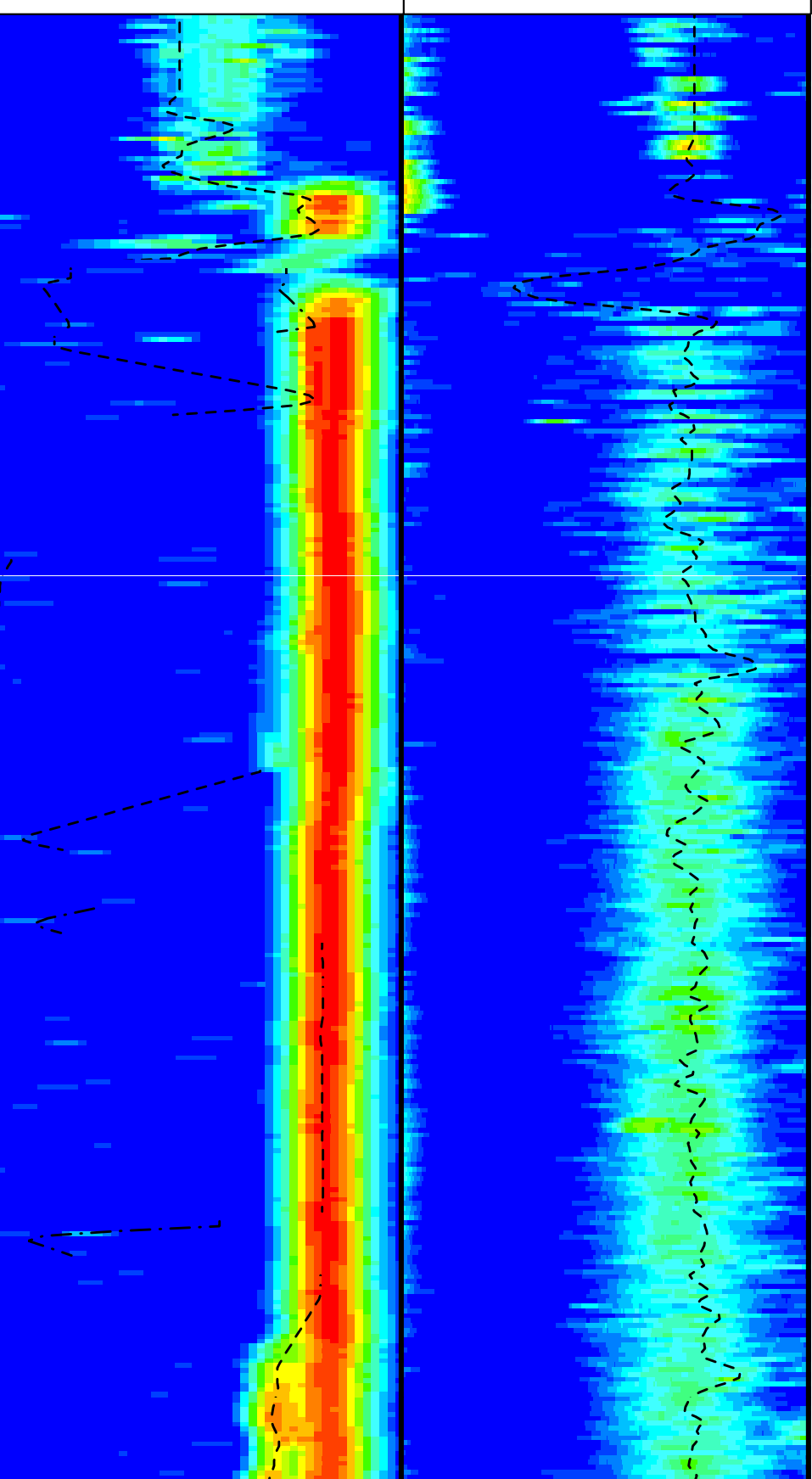
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(----	10
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(----	9
Peak Coherence / RA - P & S Comp (CHRP)		
0	(-----	10
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(----	10
Tension (TENS)		
10000	(LBF)	0
Gamma Ray (GR)		
0	(GAPI)	100
Delta-T Shear - P & S (DT4S)		
440	(US/F)	40

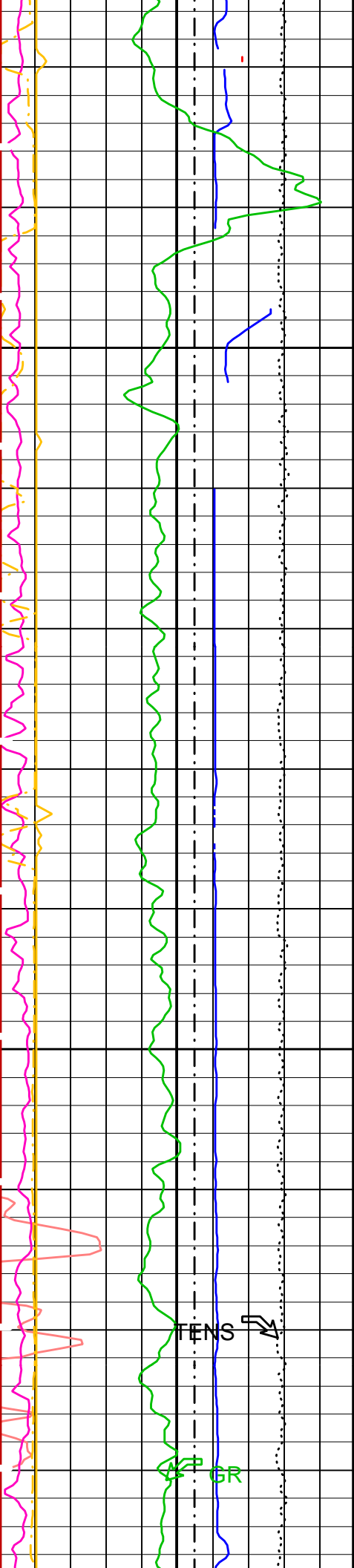
PASS #2

Min	Amplitude	Max
-----	-----------	-----



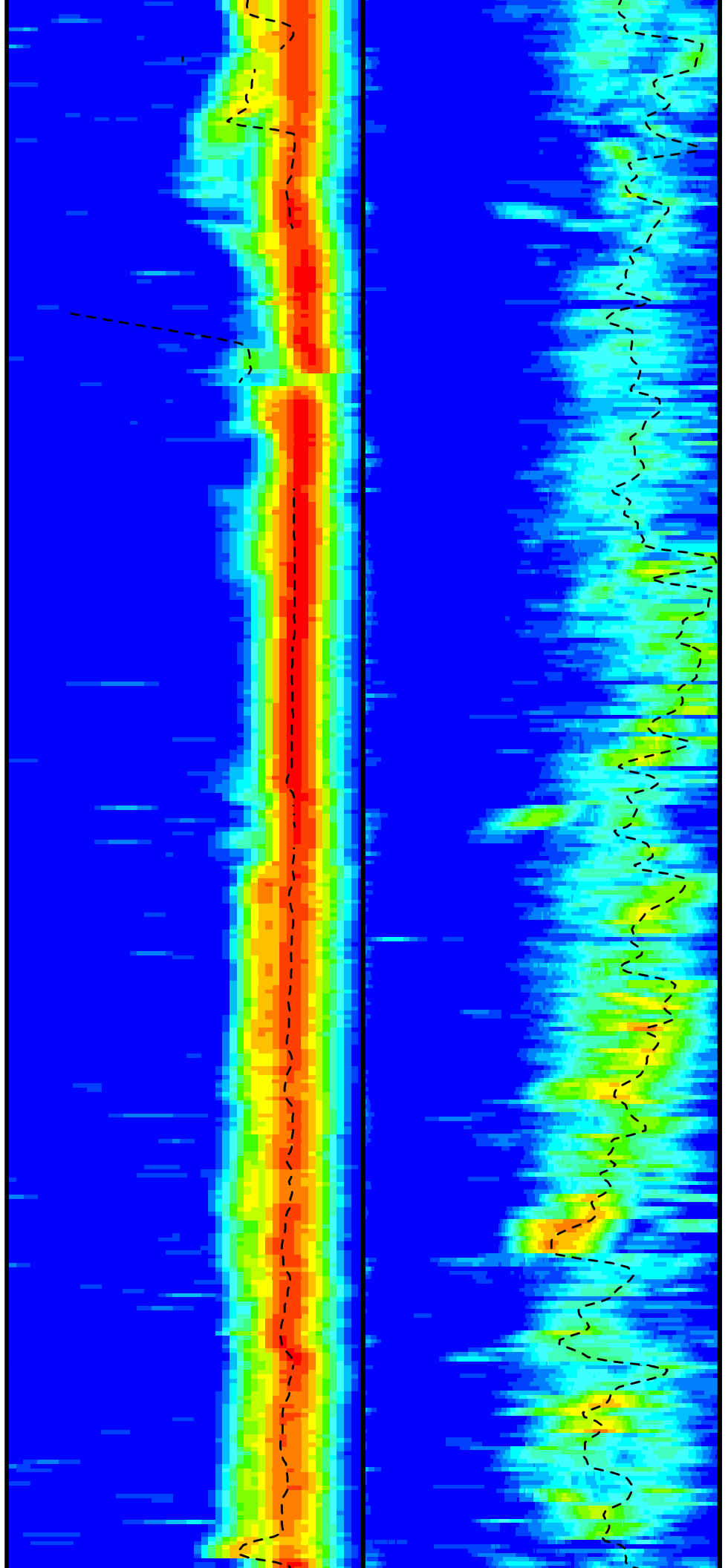
1125  
-DRILL PIP  
1150

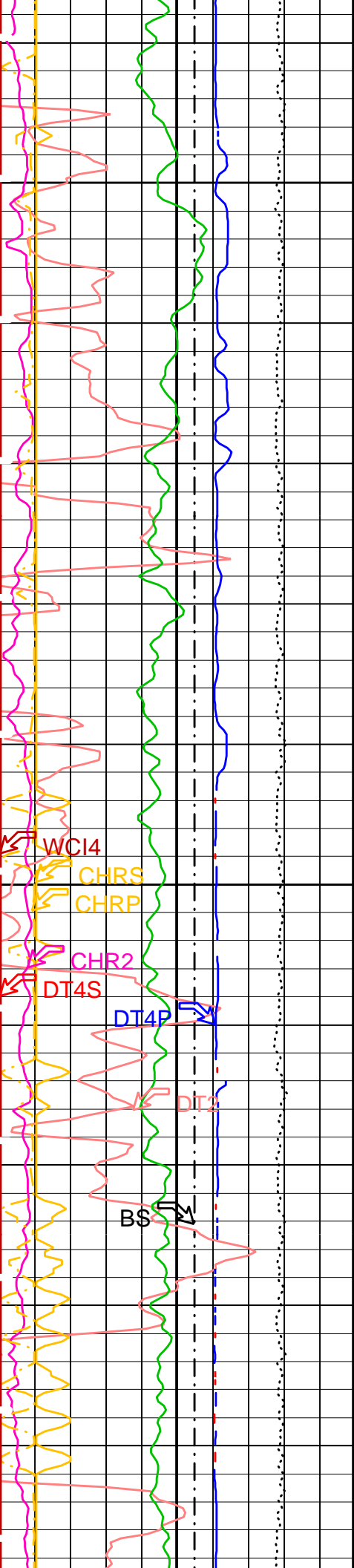




1175

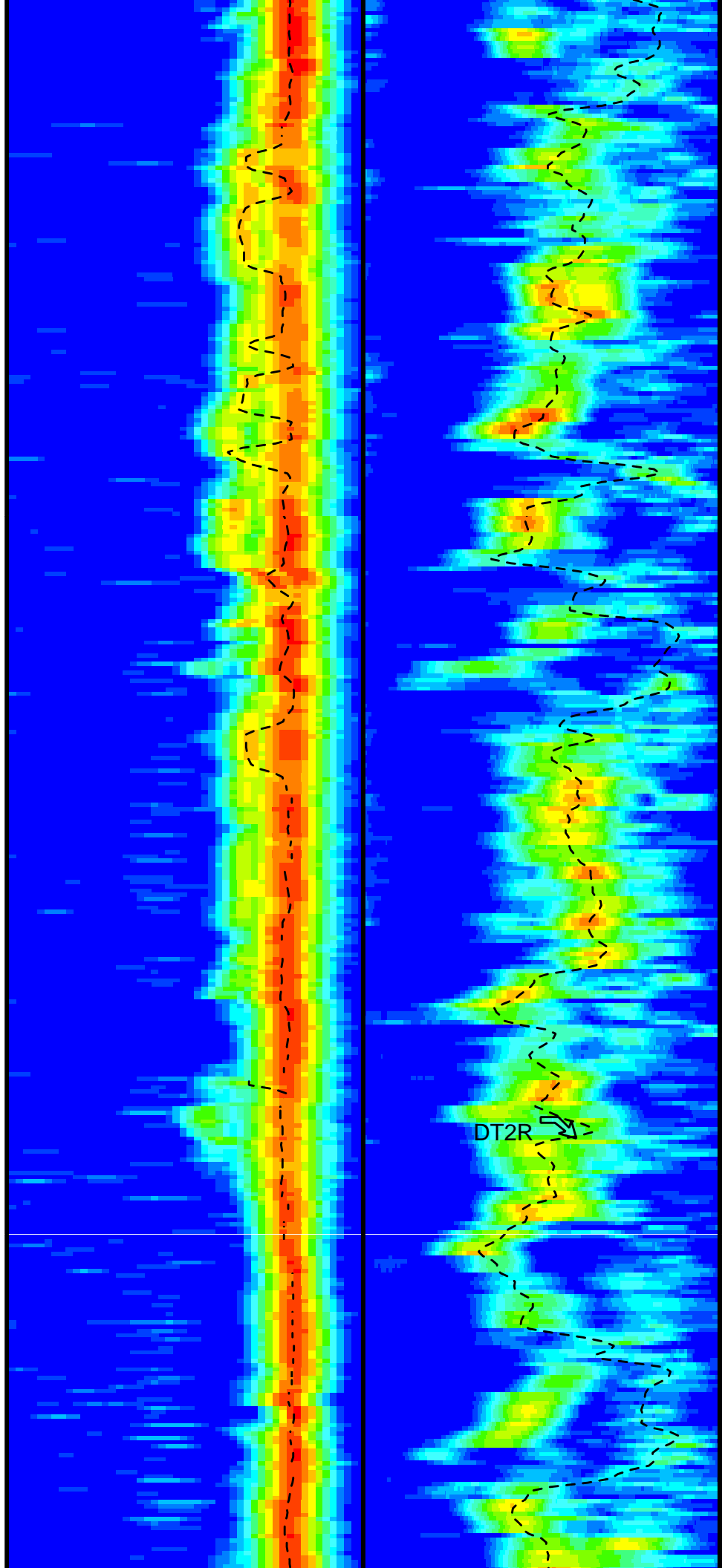
1200

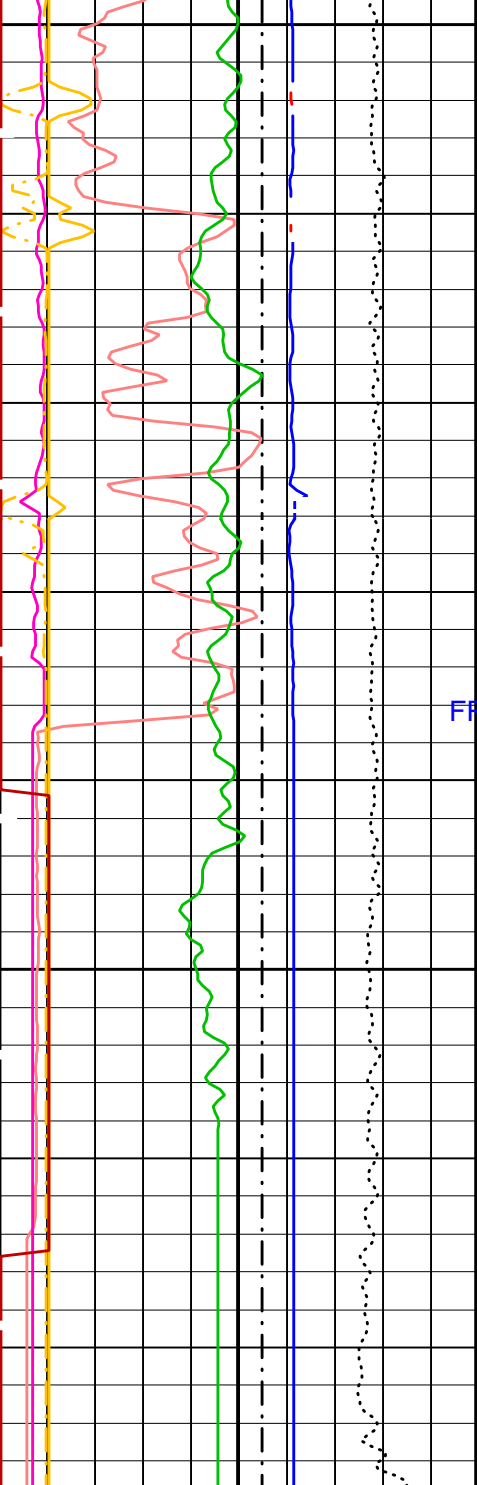




1225

1250





FR DSST-

1300  
-FR GR

-TD-

Bit Size (BS)  
(IN)

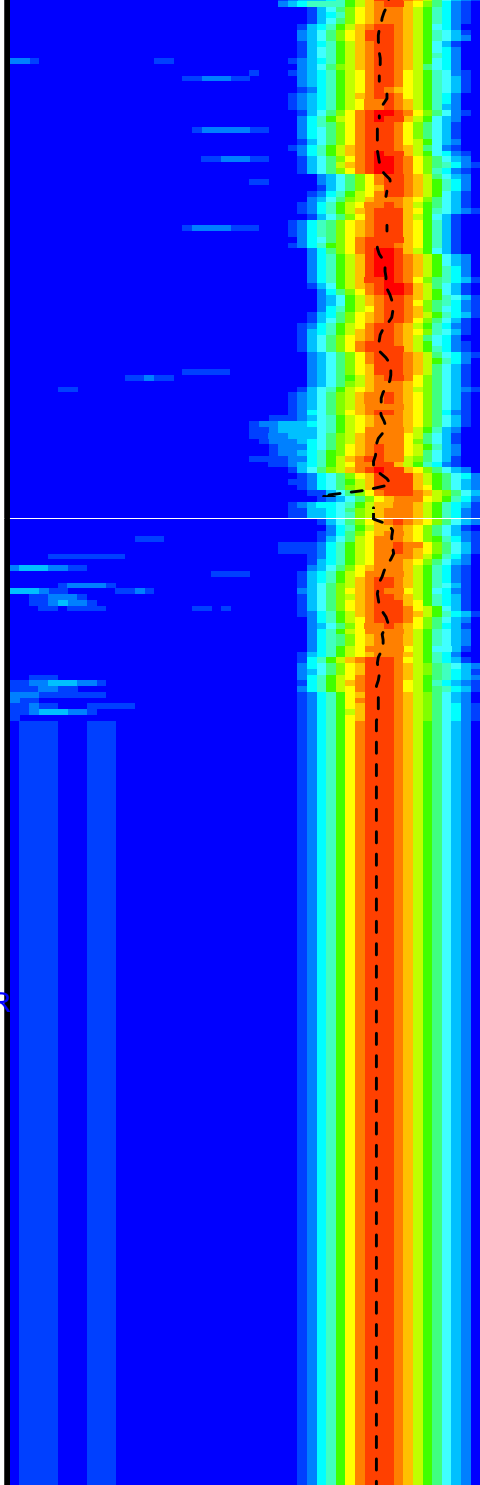
Delta-T Shear - Upper Dipole (DT2)  
(US/F)

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

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

Gamma Ray (GR)  
(GAPI)

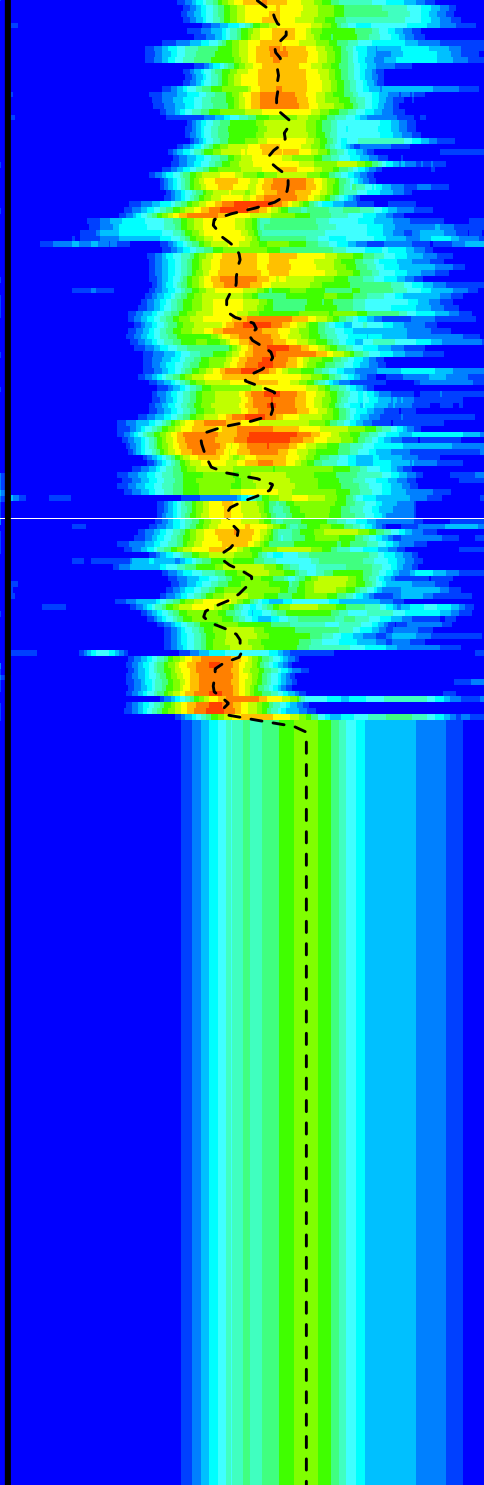
Tension (TENS)



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

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

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



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

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

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	
BHS	SGT-N: Scintillation Gamma-Ray - N Borehole Status	OPEN	
BHS	DSST-B: Dipole Shear Imager - B Borehole Status	OPEN	
CASF	Label Casing Function - Monopole P&S	50	
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	120	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_SHEAR	
LFC	Label Formation Character - Monopole P&S	COMP_FIRST	
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	120	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	200	US/F

SHUL	Label Slowness Upper Limit - Monopole P&S Shear	200	US/F
SLL2	STC Slowness Lower Limit - Upper Dipole	300	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	120	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	220	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	2300	US
TLL4	STC Time Lower Limit - Monopole P&S	580	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	3480	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	11.438	IN

Format: DSST\_P\_S\_UPPER\_VDL\_COLOR

Vertical Scale: 1:200

Graphics File Created: 31-Aug-2002 13:56

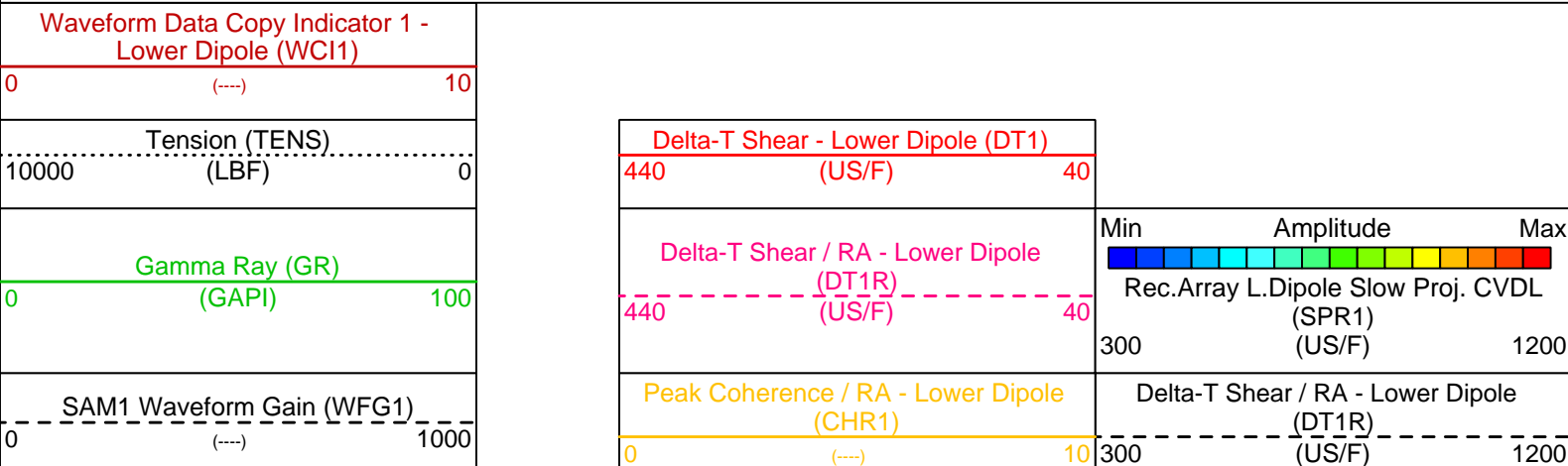
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MCM			
MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

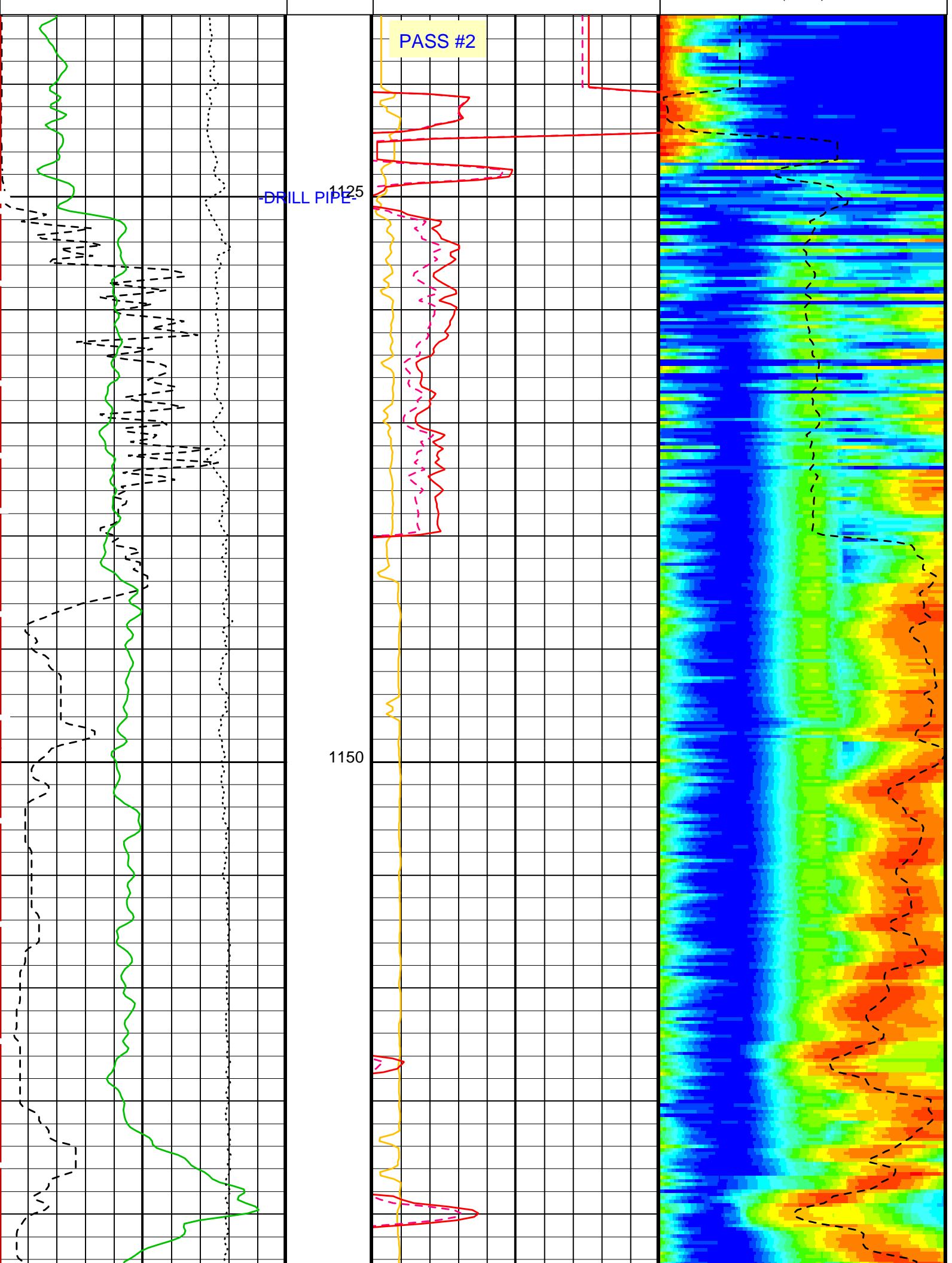
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REDUCE	FMS_DSI_014LUP	FN:22	PRODUCER	31-Aug-2002 13:56	

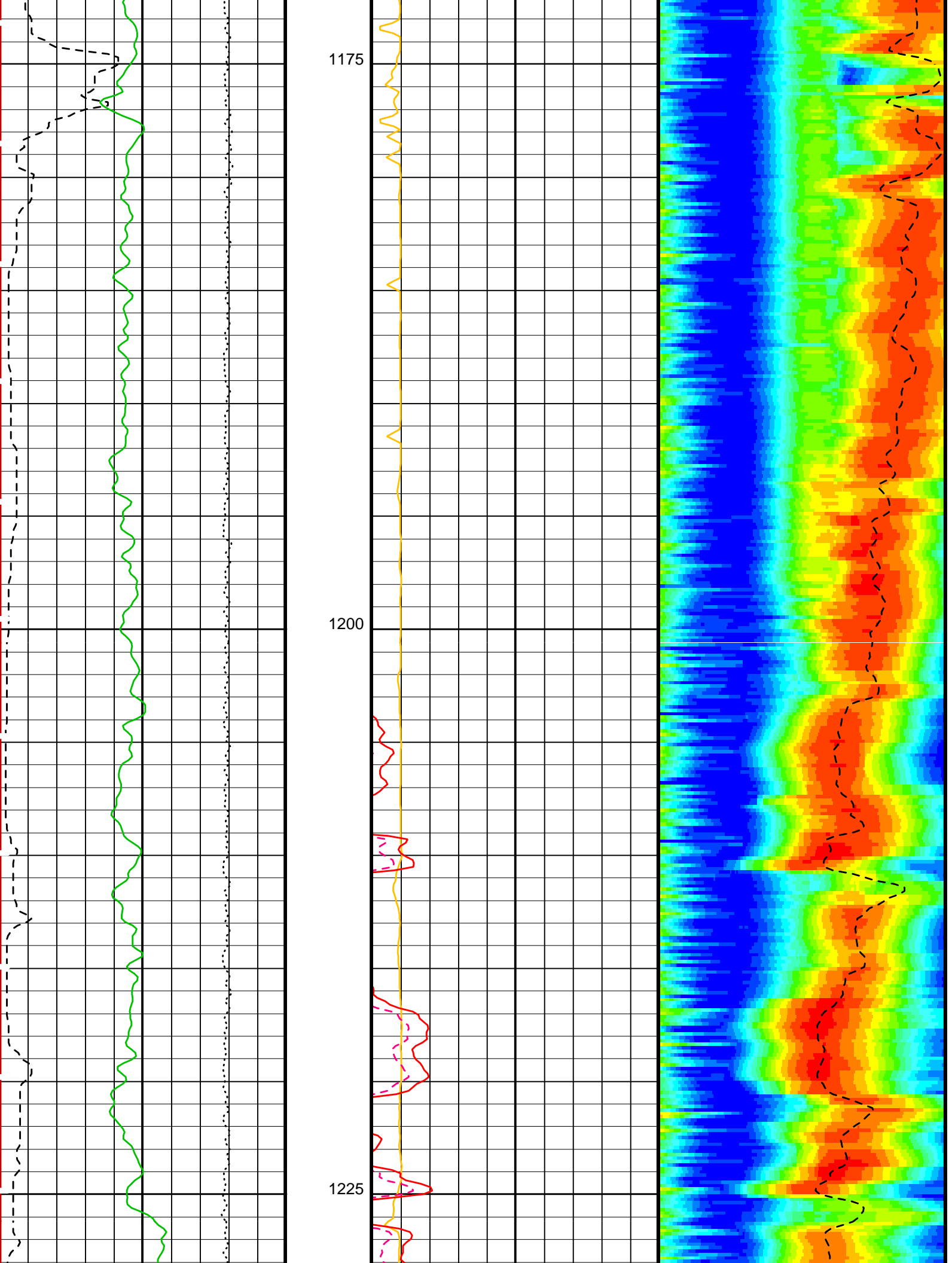
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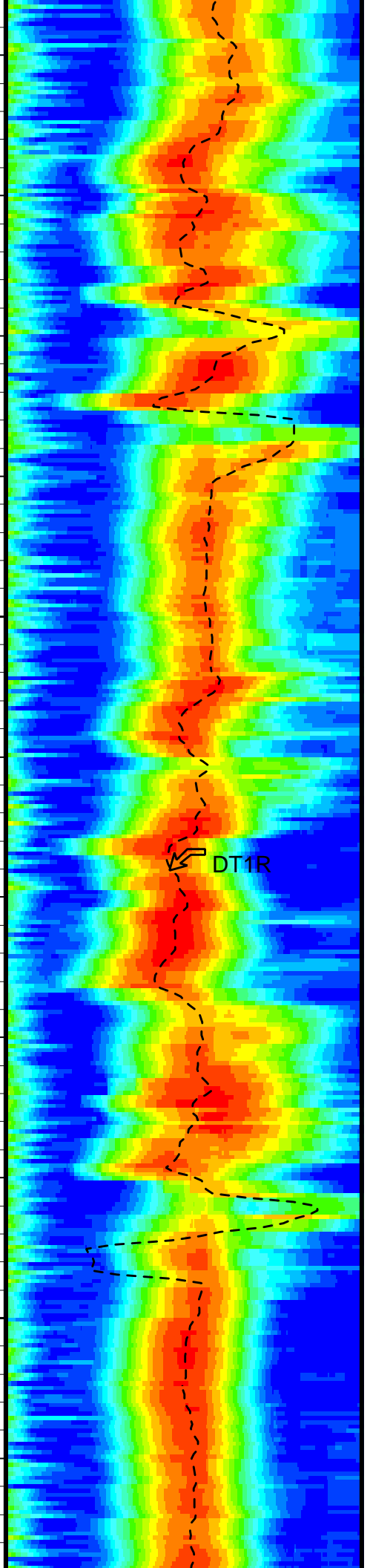
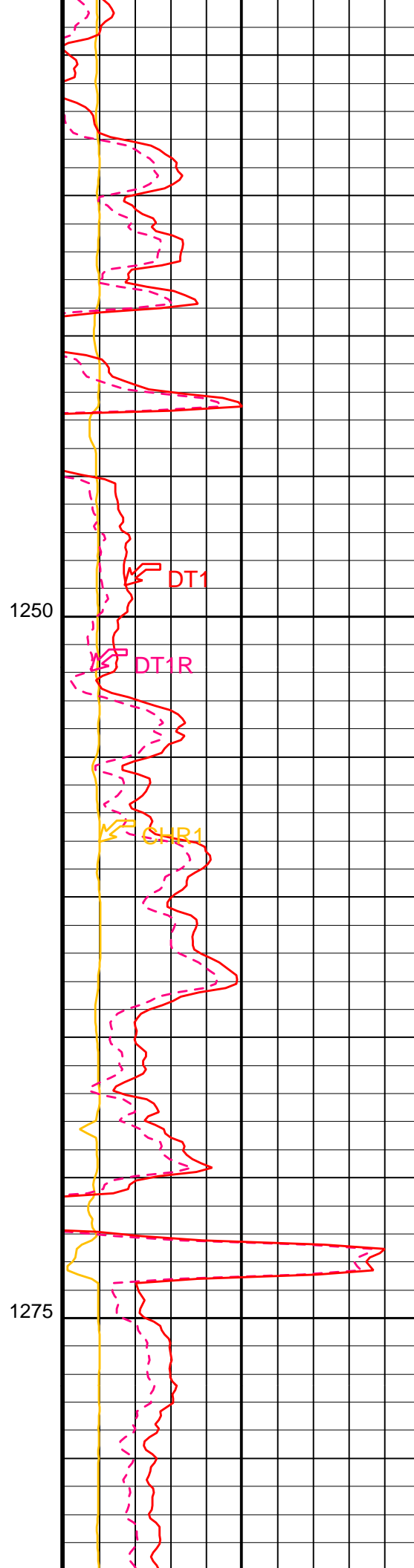
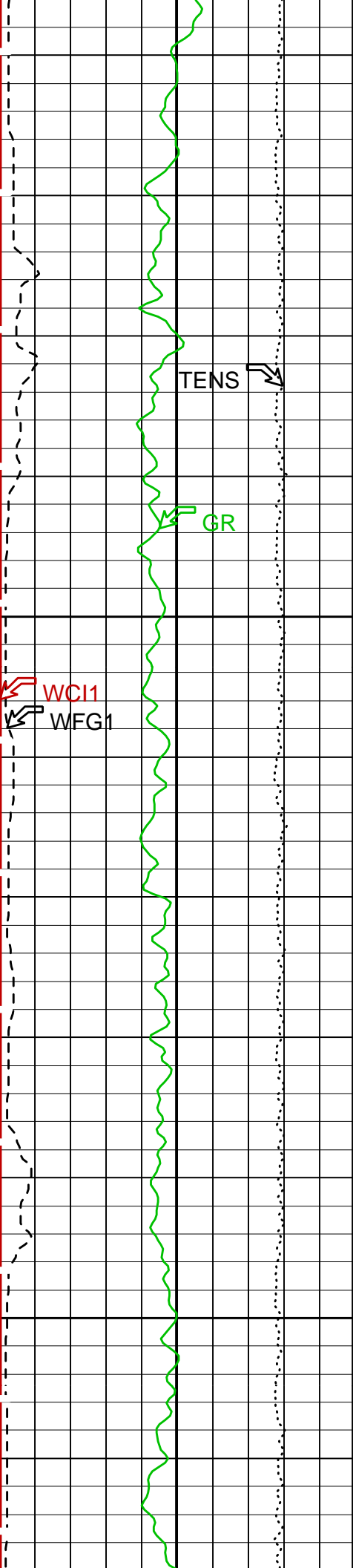
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MCM			
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SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

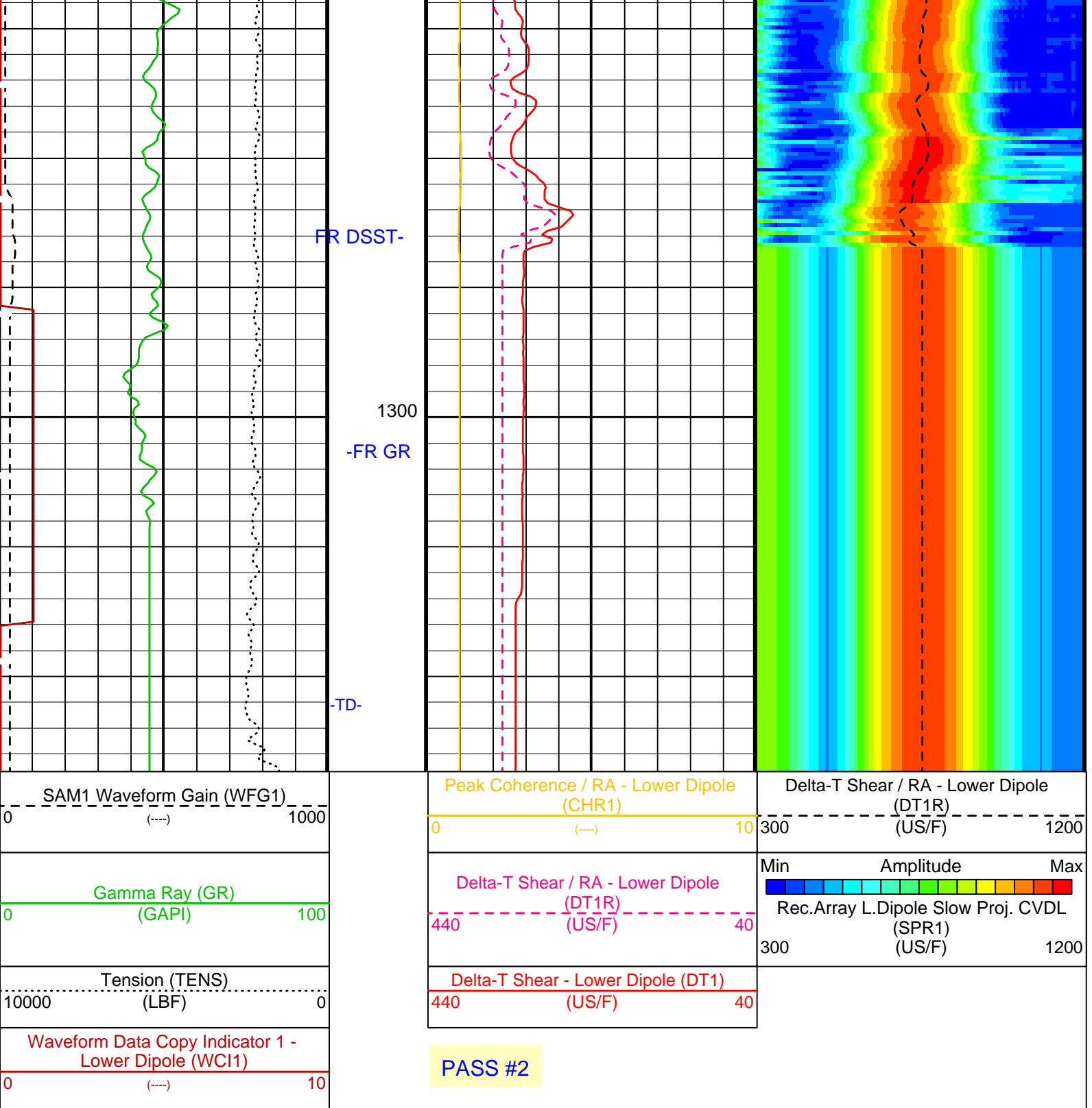
PIP SUMMARY	
Time Mark Every 60 S	











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
NW11	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	300	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	2450	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	

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 31-Aug-2002 13:56

## 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		

## Output DLIS Files

DEFAULT	FMS_DSI_014LUP	FN:21	PRODUCER	31-Aug-2002 13:56
REDUCE	FMS_DSI_014LUP	FN:22	PRODUCER	31-Aug-2002 13:56

## Output DLIS Files

DEFAULT	FMS_DSI_013LUP	FN:19	PRODUCER	31-Aug-2002 13:05	1313.7 M	1116.8 M
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## OP System Version: 10C0-306

MCM

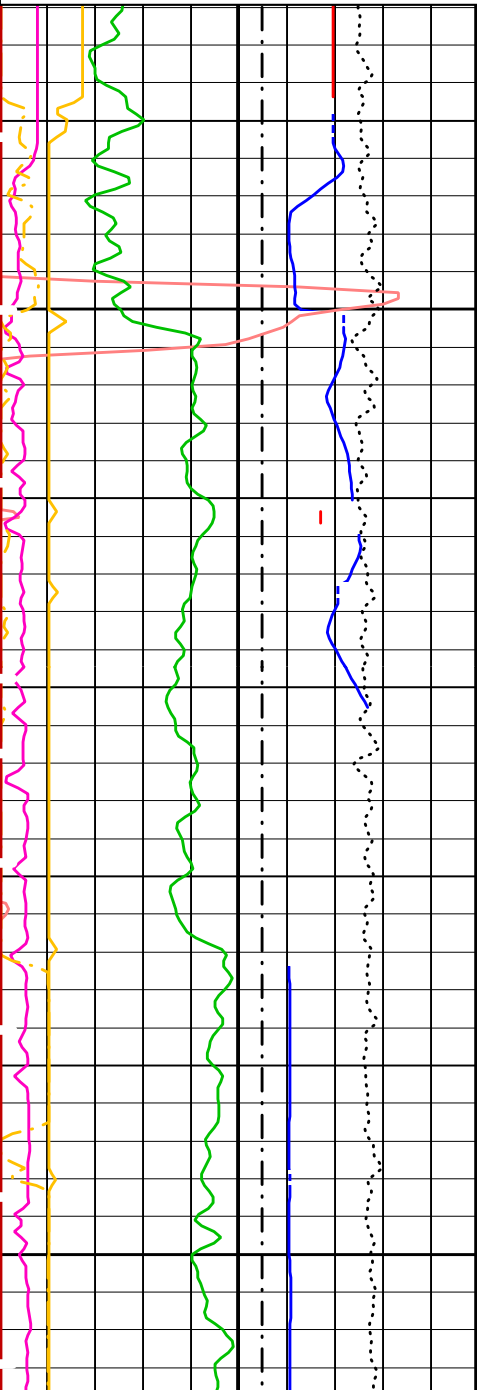
MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

## PIP SUMMARY

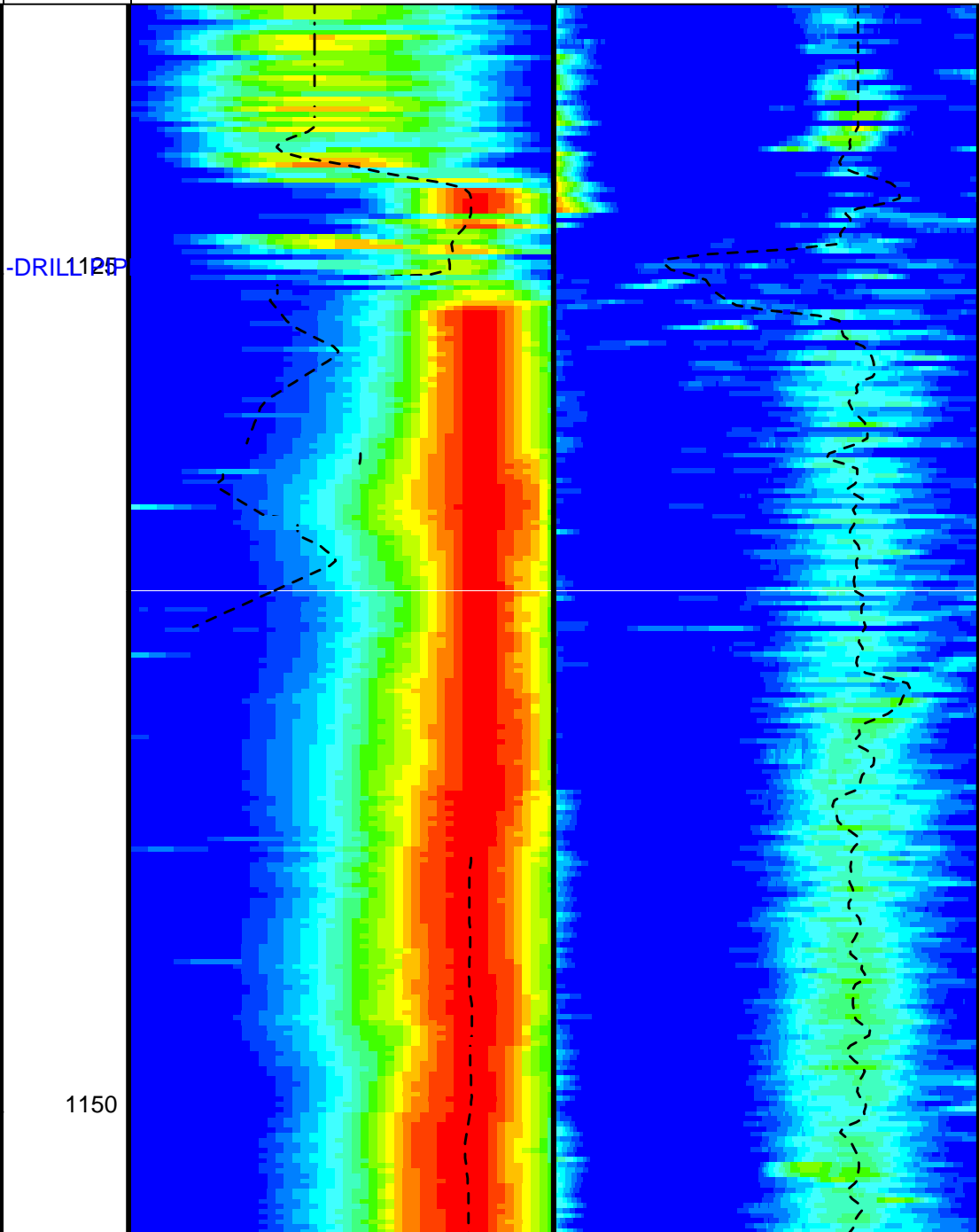
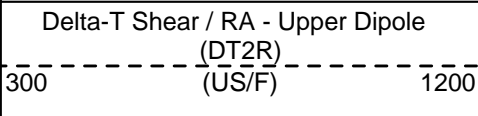
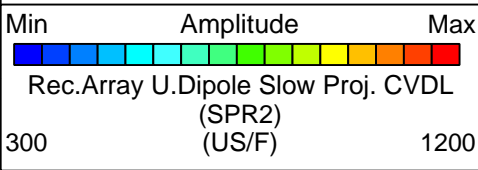
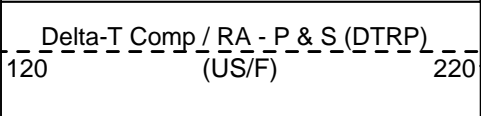
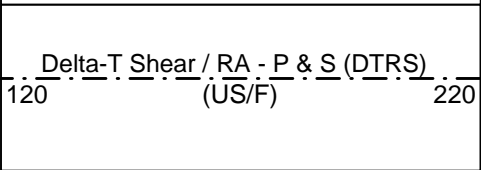
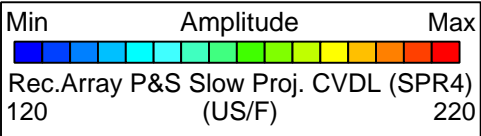
 Time Mark Every 60 S

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

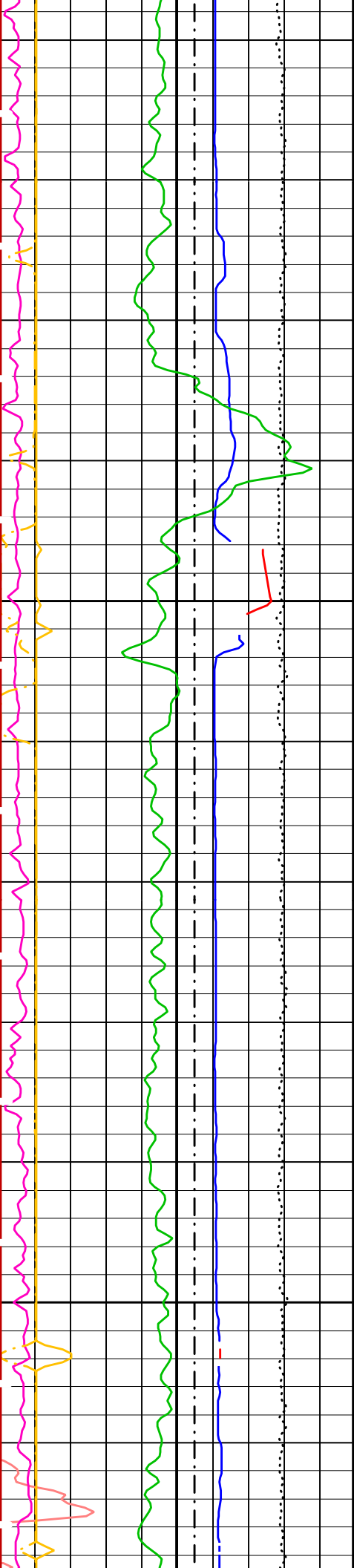
Tension (TENS)		
10000	(LBF)	0
Gamma Ray (GR)		
0	(GAPI)	100
Delta-T Shear - P & S (DT4S)		
440	(US/F)	40
Delta-T Comp - P & S (DT4P)		
440	(US/F)	40
Delta-T Shear - Upper Dipole (DT2)		
440	(US/F)	40
Bit Size (BS)		
6	(IN)	16



PASS #1

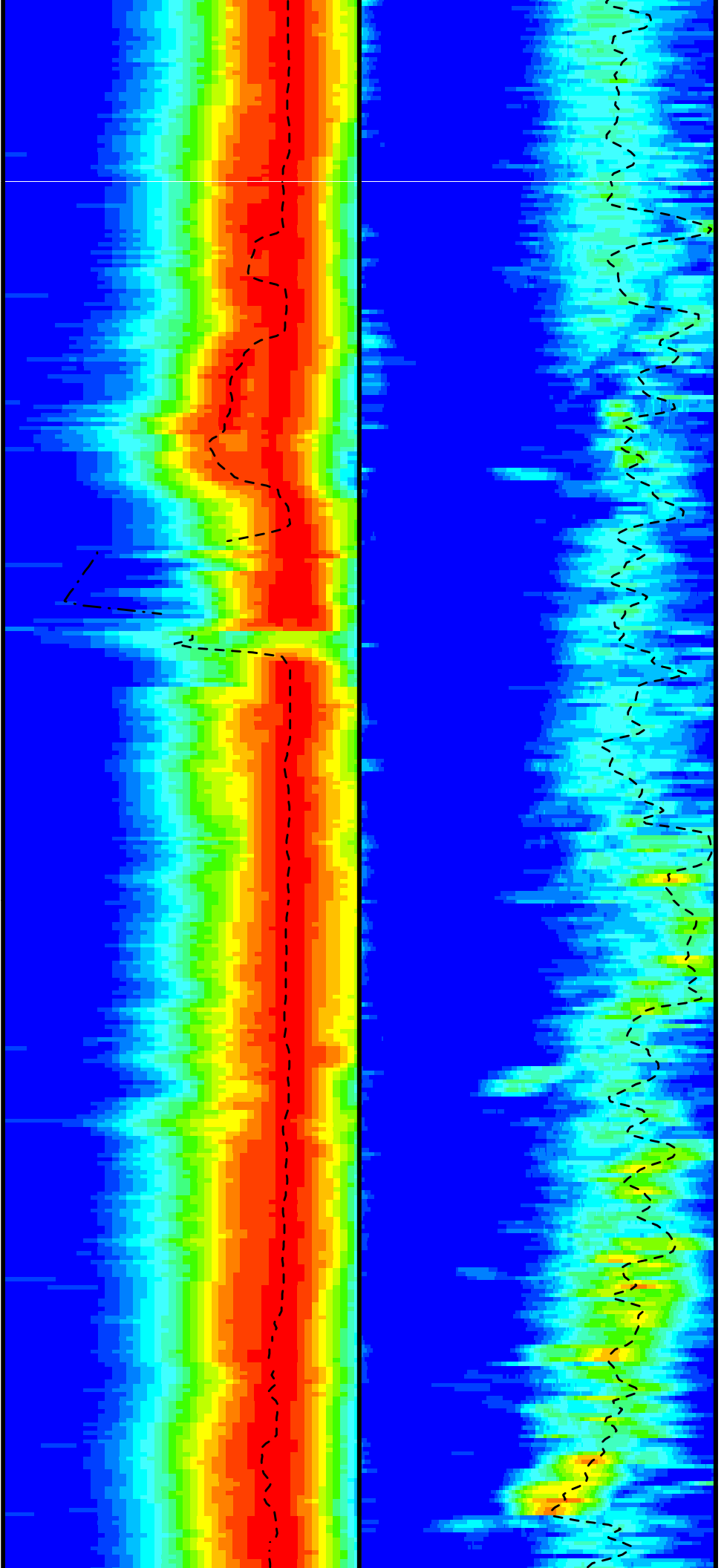


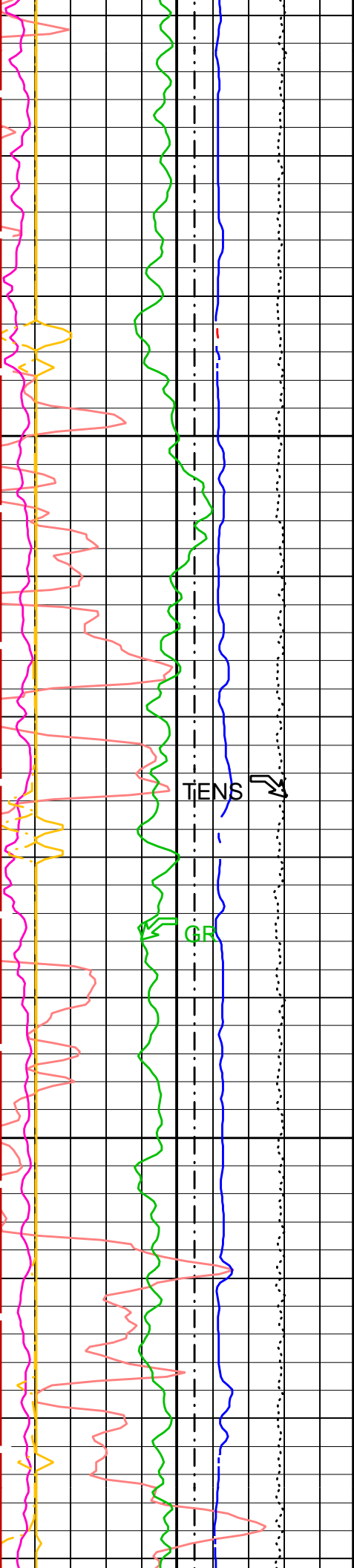




1175

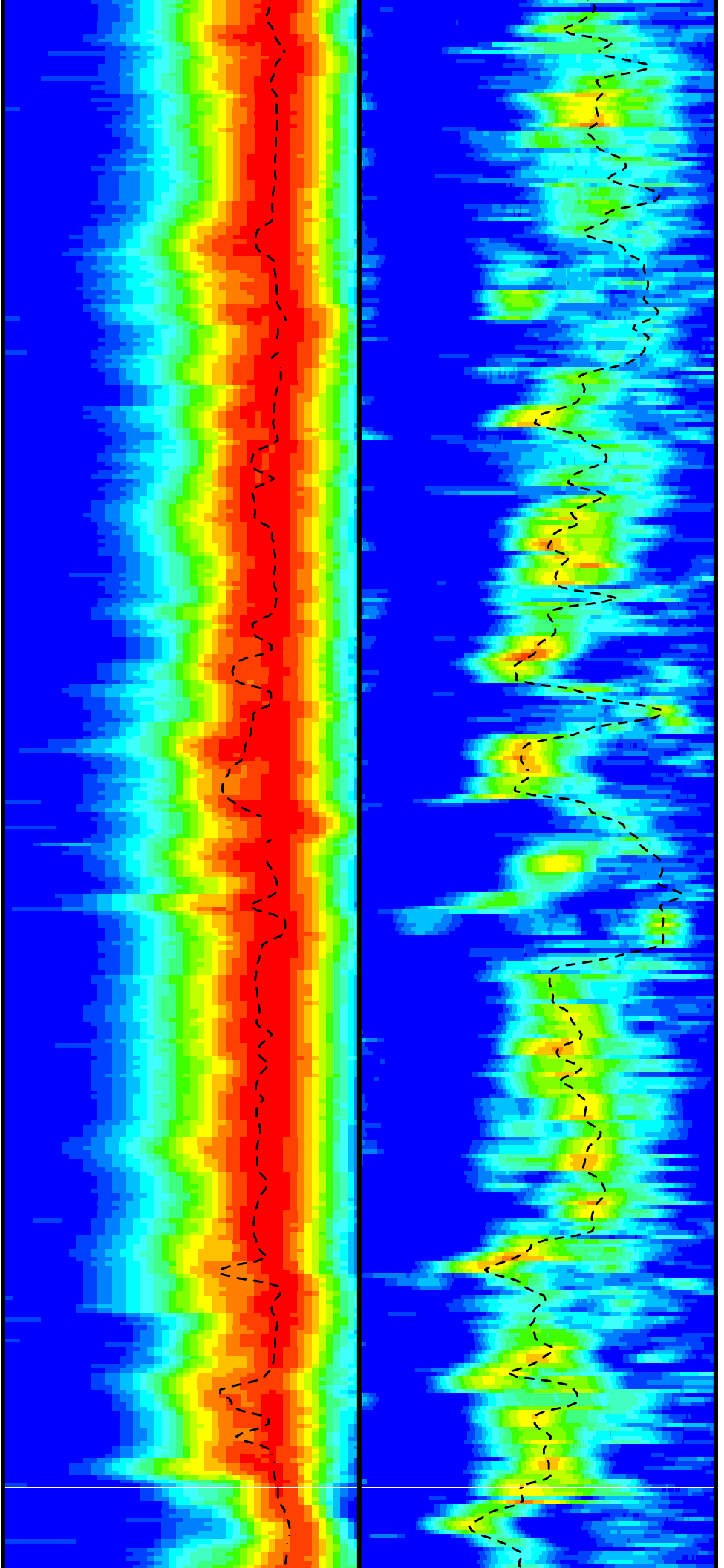
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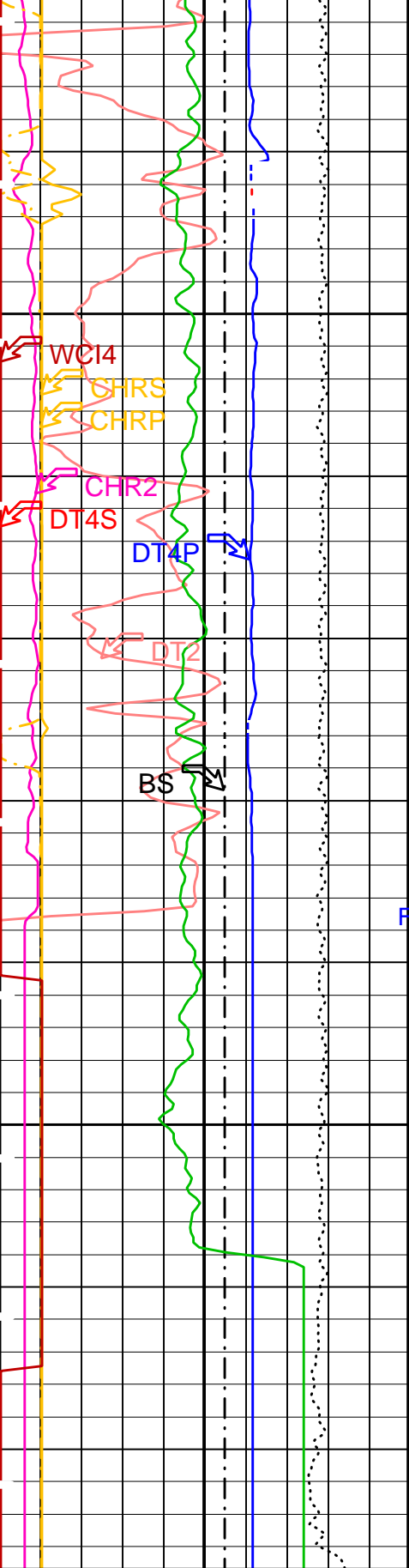




1225

1250





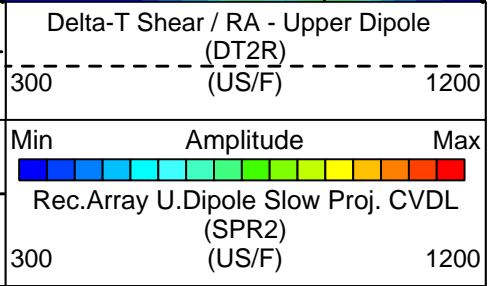
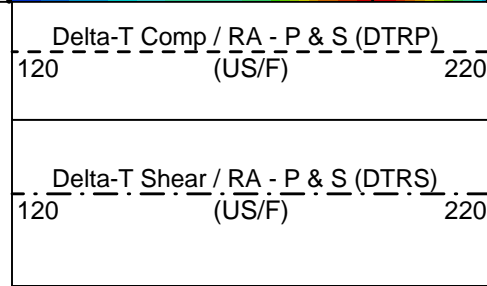
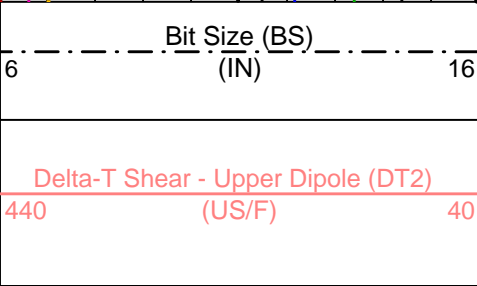
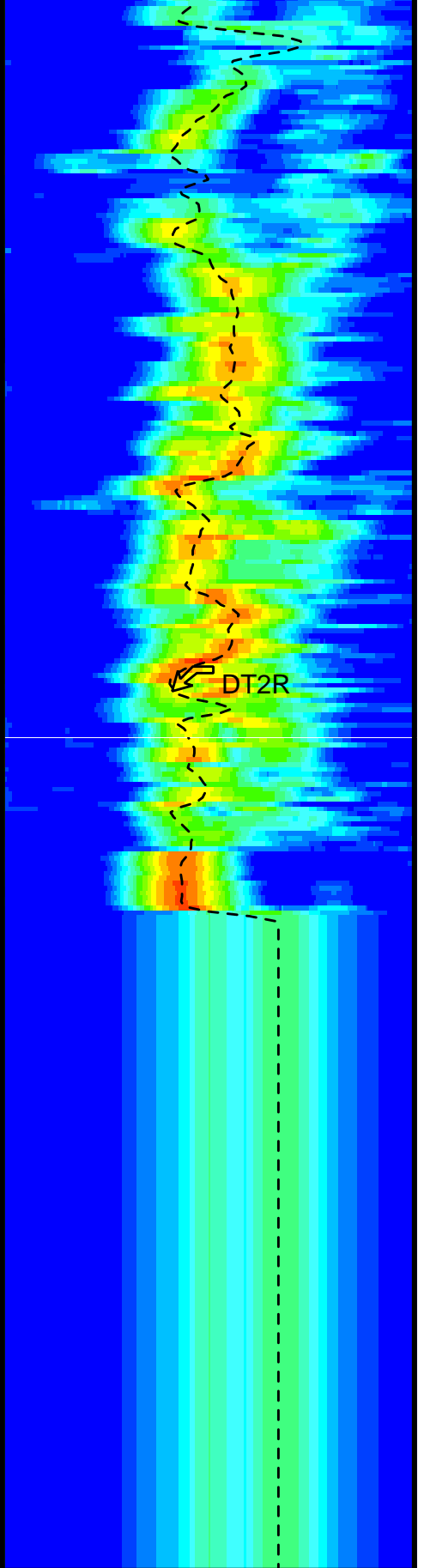
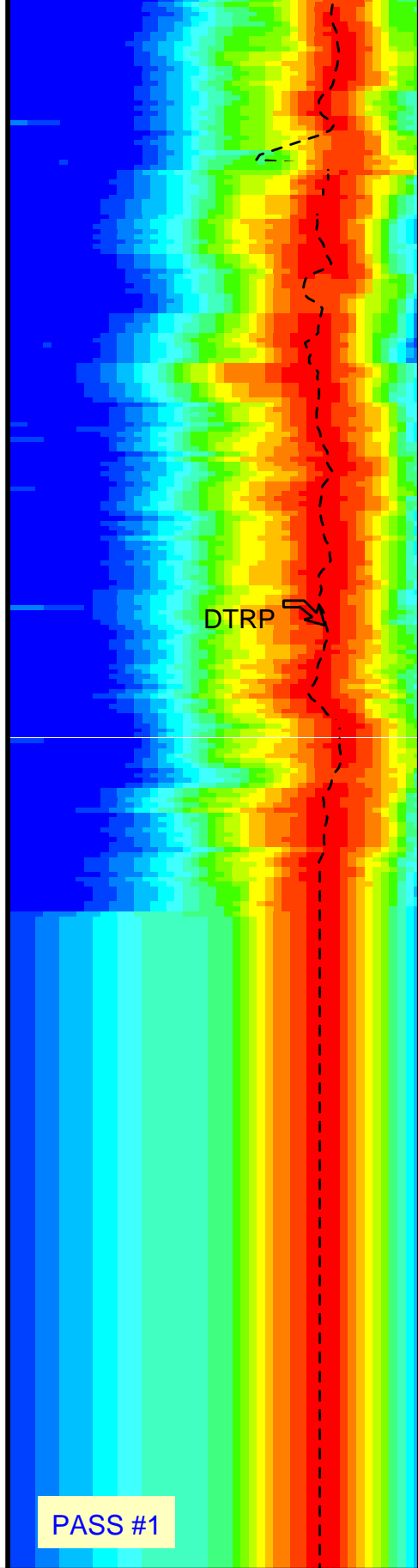
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FR DSST-

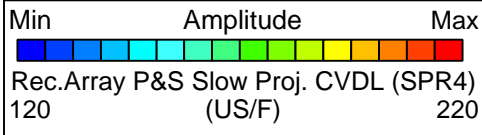
1300

-FR GR

-TD-



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)		
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	
BHS	SGT-N: Scintillation Gamma-Ray - N Borehole Status	OPEN	
BHS	DSST-B: Dipole Shear Imager - B Borehole Status	OPEN	
CASF	Label Casing Function - Monopole P&S	50	
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	120	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_SHEAR	
LFC	Label Formation Character - Monopole P&S	COMP_FIRST	
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		

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	120	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	200	US/F
SLL2	STC Slowness Lower Limit - Upper Dipole	300	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	120	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	220	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	2300	US
TLL4	STC Time Lower Limit - Monopole P&S	580	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	3480	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	11.438	IN

Format: DSST\_P\_S\_UPPER\_VDL\_COLOR      Vertical Scale: 1:200      Graphics File Created: 31-Aug-2002 13:05

## 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		

## Output DLIS Files

DEFAULT	FMS_DSI_013LUP	FN:19	PRODUCER	31-Aug-2002 13:05
REDUCE	FMS_DSI_013LUP	FN:20	PRODUCER	31-Aug-2002 13:05

## Output DLIS Files

DEFAULT	FMS_DSI_013LUP	FN:19	PRODUCER	31-Aug-2002 13:05	1313.7 M	1116.8 M
REDUCE	FMS_DSI_013LUP	FN:20	PRODUCER	31-Aug-2002 13:05	1313.7 M	1116.8 M

## OP System Version: 10C0-306

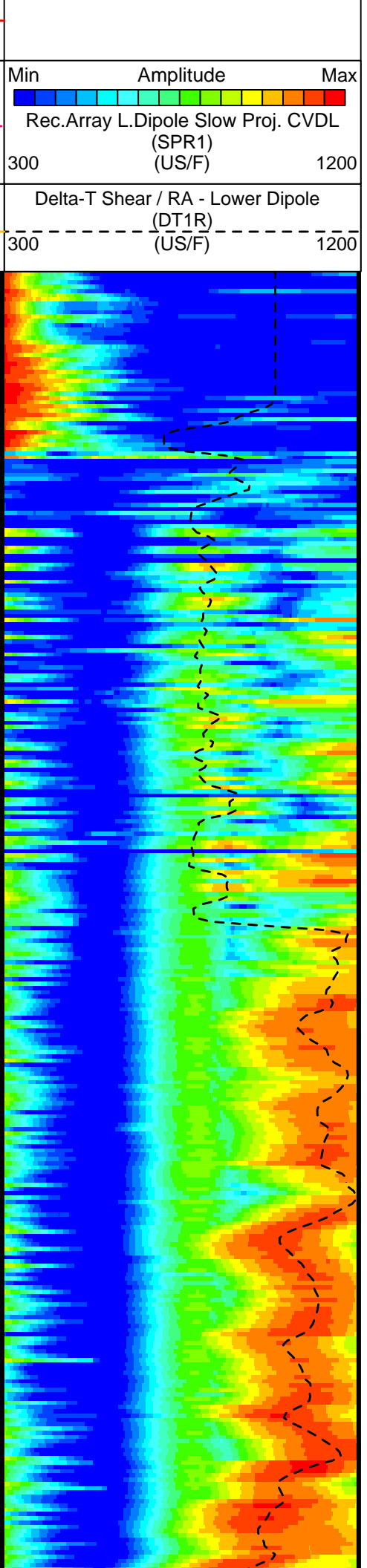
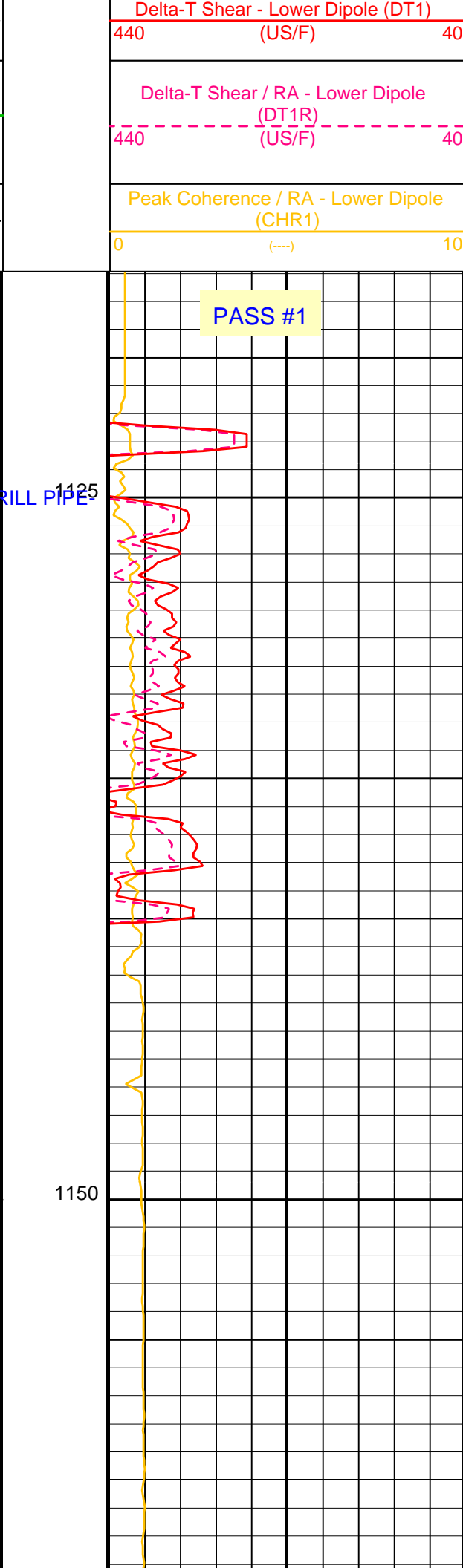
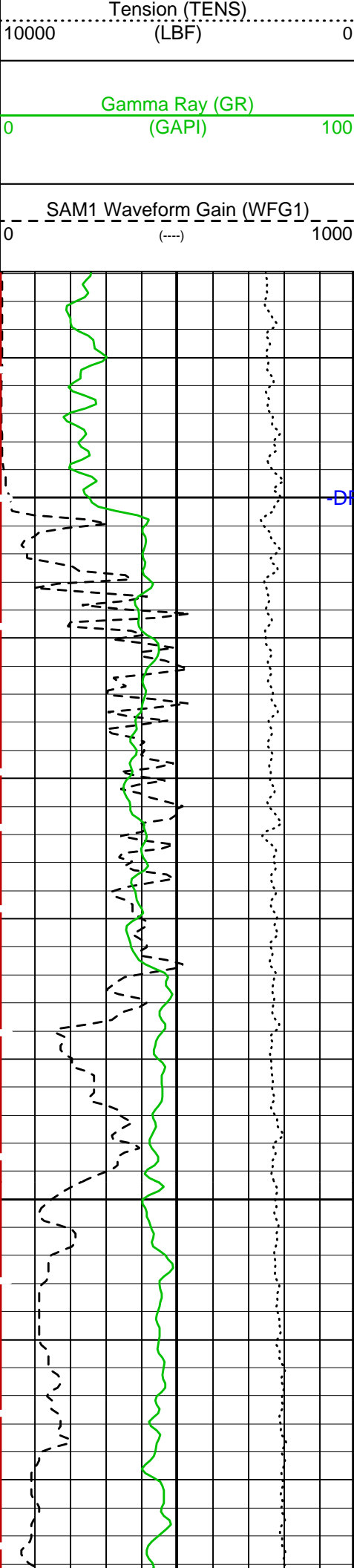
MCM

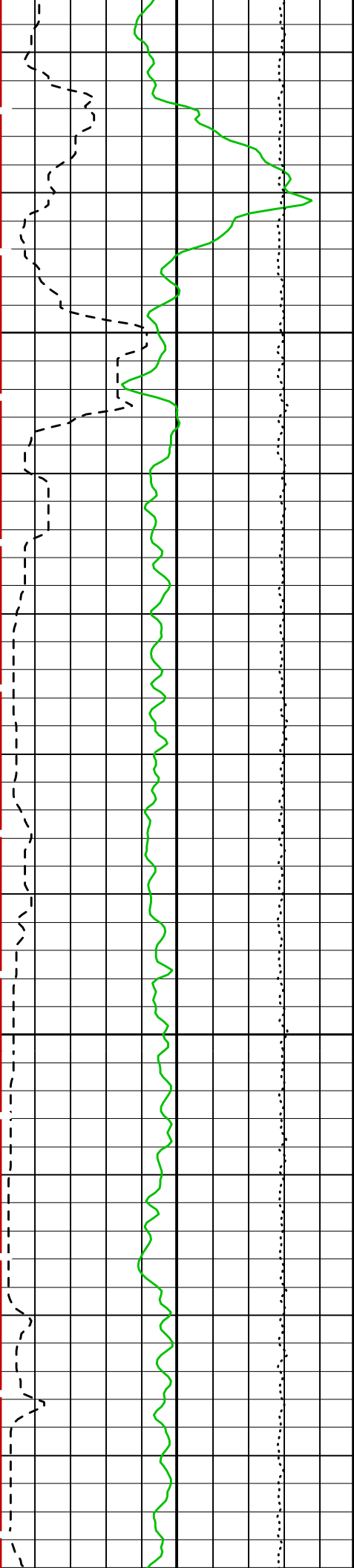
MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSST-B	OP10-KP1
DTC-H	10C0-306		

## PIP SUMMARY

 Time Mark Every 60 S

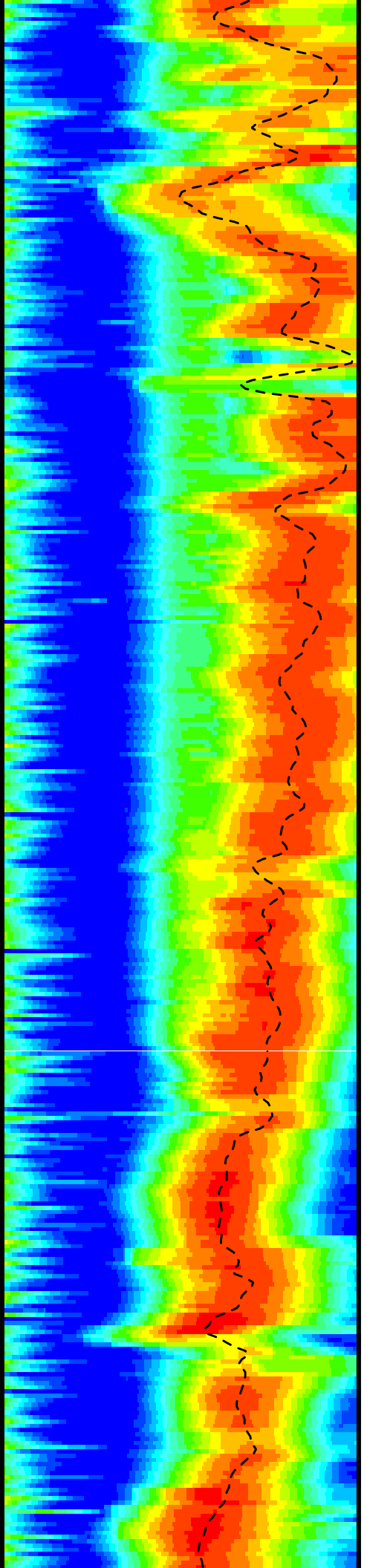
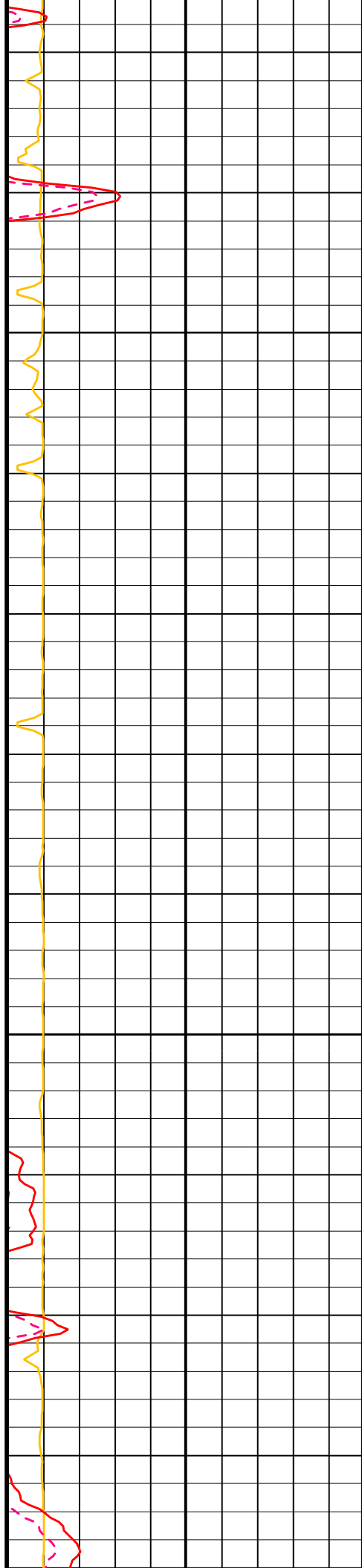
Waveform Data Copy Indicator 1 - Lower Dipole (WC11)		
0	(---)	10

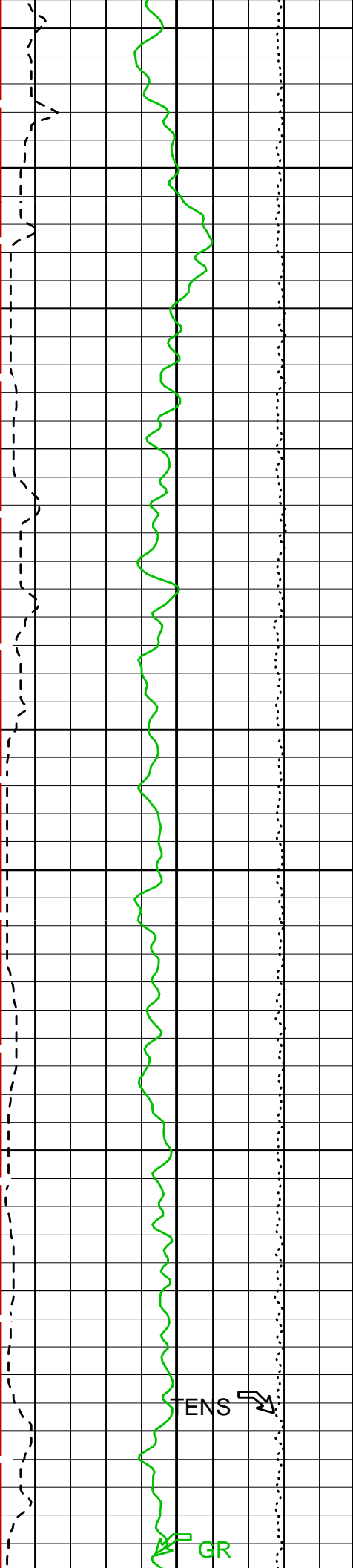




1175

1200

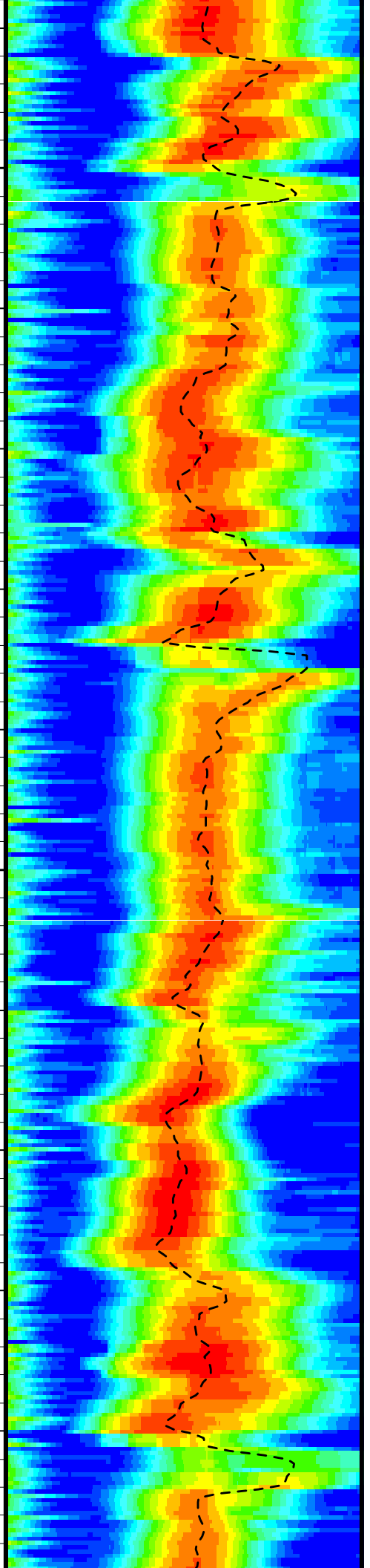
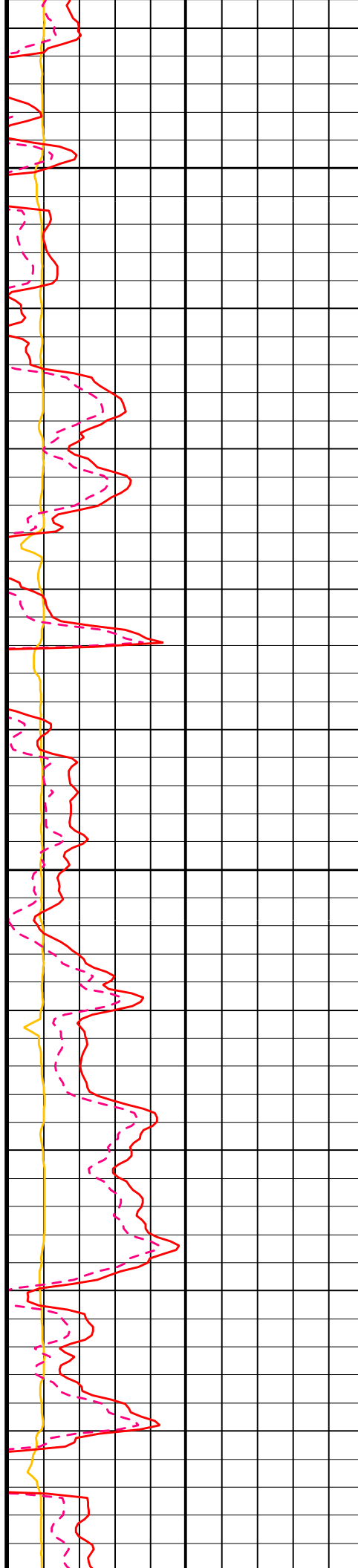




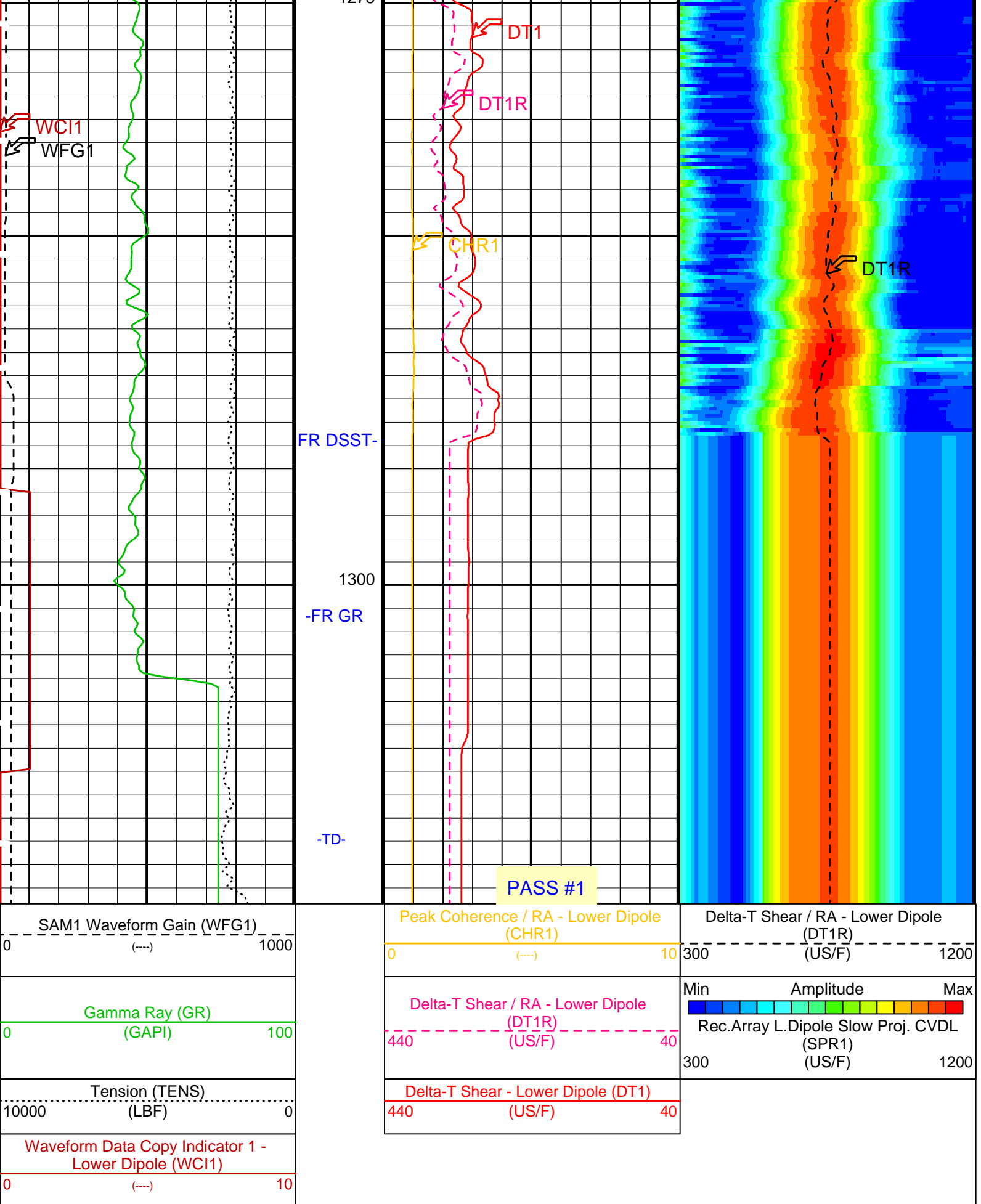
1225

1250

1275







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 DTCT Channel	PS_COMP	
DWC1		Digitizer Word Count 1	512	
DWCX		Digitizer Word Count X	512	
LTXG		Lower Dipole Transmitter Geometry	156	IN
NW11		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	300	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	2450	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
TW11		STC Integration Time Window - Lower Dipole	1600	US
TWSX		Transmitter Waveform Select X	0	
WFM1		Waveform Mode 1	W1	
Format: DSST_LOWER_DIPOLE_VDL_COLOR      Vertical Scale: 1:200      Graphics File Created: 31-Aug-2002 13:05				
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			
Output DLIS Files				
DEFAULT	FMS_DSI_013LUP	FN:19	PRODUCER	31-Aug-2002 13:05
REDUCE	FMS_DSI_013LUP	FN:20	PRODUCER	31-Aug-2002 13:05

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 14:28							
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: 31-Aug-2002 12:02							
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: 31-Aug-2002 12:03

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 14:08

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	2450
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 14:08

Company:    Lamont Doherty



Well:    ODP Leg 204, Site 1252A  
Field:    Hydrate Ridge  
Ocean:    Pacific  
State:    Oregon

Dipole Shear Sonic  
P&S Compressional Monopole  
Gamma Ray