

**Schlumberger**

Company: Lamont Doherty

Well: Expedition 339, Site U1387 GC-09A

Field: Mediterranean Outflow (Portugal)

Rig: JOIDES Resolution Ocean: Atlantic

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Rig: JOIDES Resolution Ocean: Atlantic

[illegible]

Logging Date					
Run Number					
Depth Driller					
Schlumberger Depth					
Bottom Log Interval					
Top Log Interval					
Casing Driller Size @ Depth		@			
Casing Schlumberger					
Bit Size					
Type Fluid In Hole					
Density	Viscosity				
Fluid Loss	PH				
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					

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.

OS1: HRLT/HLDS/HNGS/APS  
OS2: VSI  
OS3: FMS  
OS4:  
OS5:

OS1:  
OS2:  
OS3:  
OS4:  
OS5:

Hole GC-09A Hole C was drilled with a 9 7/8" RCB bit to TDD of 1440 mbrf. (870m)  
Hole depth referenced from sea floor based on driller measurement is 569.8 m.

(870m  
m.

See log parameters for labeling parameters.

All logs recorded via wireline thru 5.5" drillpipe and RCB coring BHA. consisting of a bit release sub, Kinley sub, drill collars. The rotary coring bit was released on bottom prior to logging.

Logs played back with sea floor reference using drilling depth as the primary depth for sea floor. The main Tcombo uplog is the primary wireline log.

SERVICE ORDER #: RUN 1  
PROGRAM VERSION: 19C0-187  
FLUID LEVEL:

SERVICE ORDER #:  
PROGRAM VERSION:  
FLUID LEVEL:

STOP

**STOP**

RUN 2

WITM (EDTS)-A 1

Condition	Condition	Value
LEH-QT	MDSB_EDTC	31.88
LEH-QT 301	Mud Tmpe	30.99
	CTEM	29.92
EDTC-B	Gamma Ray	29.35
EDTH-B 8528	EFTB DIAG	30.99
EDTC-B 8529	TelStatus	29.01
EDTG-A/B 77693	EDTCB Ele	29.01

Diagram illustrating the vertical profile of a wellbore assembly, showing various components and their lengths in meters.

**Components and Lengths:**

- AH-MCD: 29.01
- DSST-B: 26.73
- AH-MCD: 11.18
- DTA-A: 8.90
- MEST-B: 7.68
- MEDR MEAC
- MEPC MEDS-B
- HV DF ACCZ
- Tension GPIT

**TOOL ZERO**

**MAXIMUM STRING DIAMETER 4.50 IN**

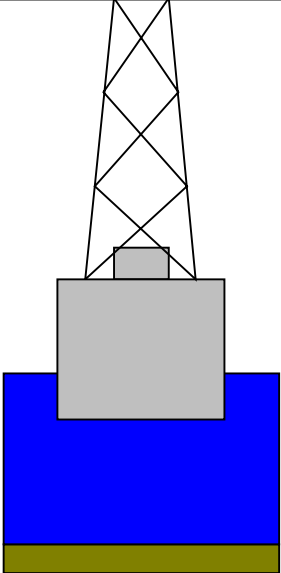
**MEASUREMENTS RELATIVE TO TOOL ZERO**

**ALL LENGTHS IN METERS**

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

Kelly Bushing Elevation  
Derrick Floor Elevation  
  
Mean Sea Level

-570  
-570  
  
-559



4.1

0  
104  
  
650

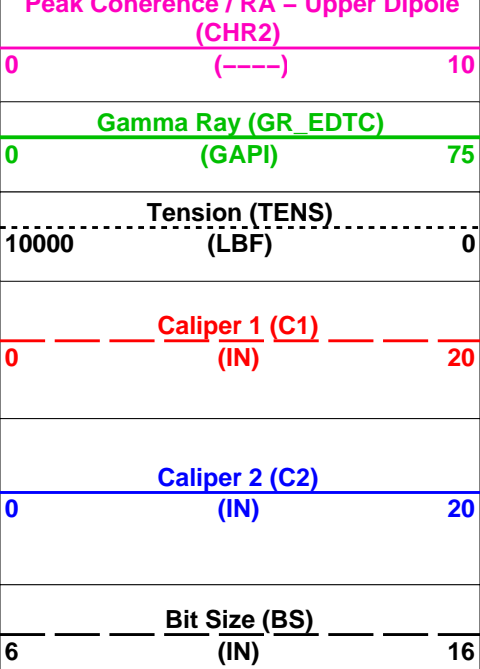
3.80  
9.875

Sea Floor  
Open Hole  
  
Total Depth

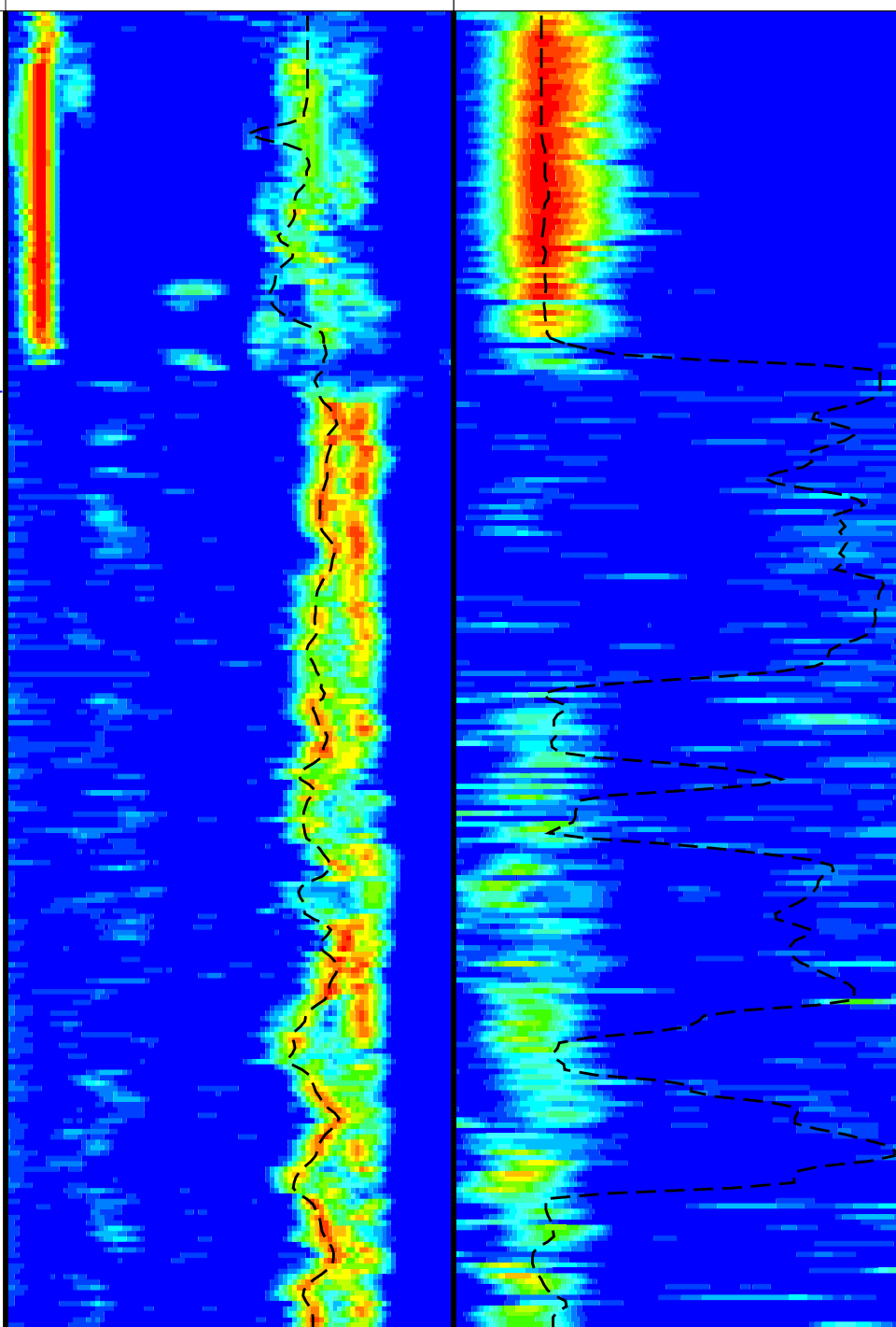
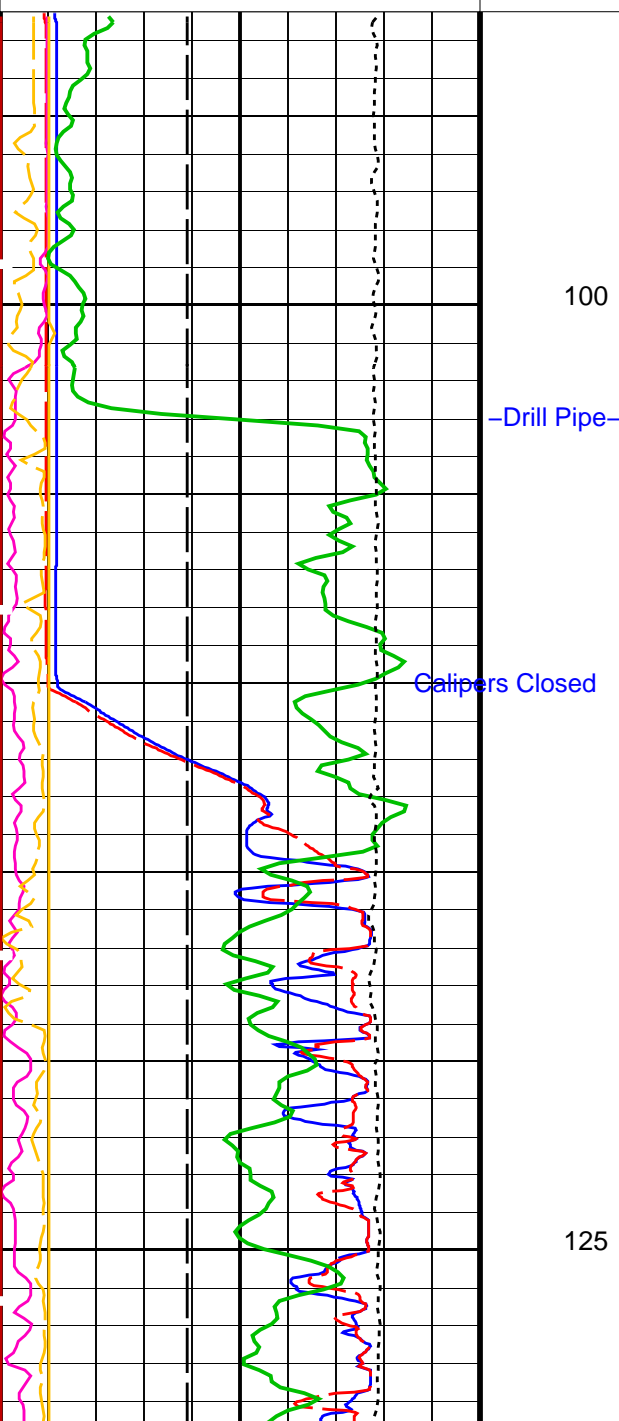
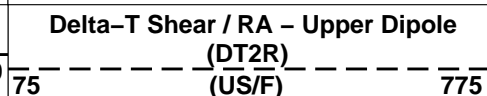
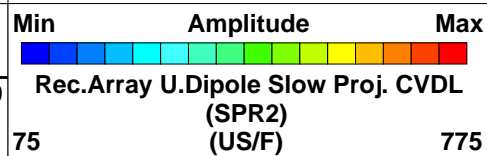
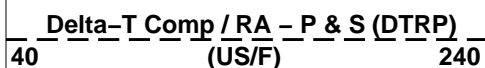
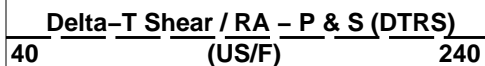
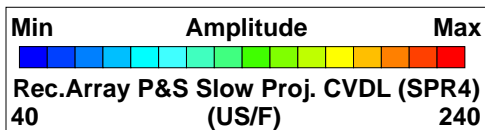
Input DLIS Files						
DEFAULT	FMS_DSI_047LUP	FN:65	PRODUCER	17-Dec-2011 18:28	848.0 M	661.3 M
Output DLIS Files						
DEFAULT	FMS_DSI_080PUP	FN:98	PRODUCER	29-Dec-2011 04:07	278.9 M	92.2 M
OP System Version: 19C0-187						
MEST-B	19C0-187	DTA-A		19C0-187		
DSST-B	19C0-187	EDTC-B		19C0-187		

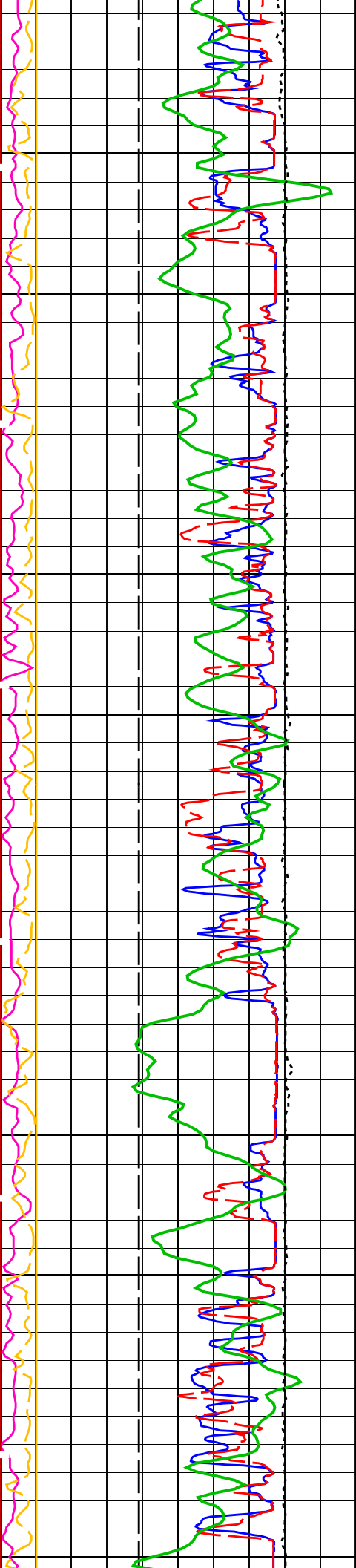
PIP SUMMARY

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 (CHRD)		



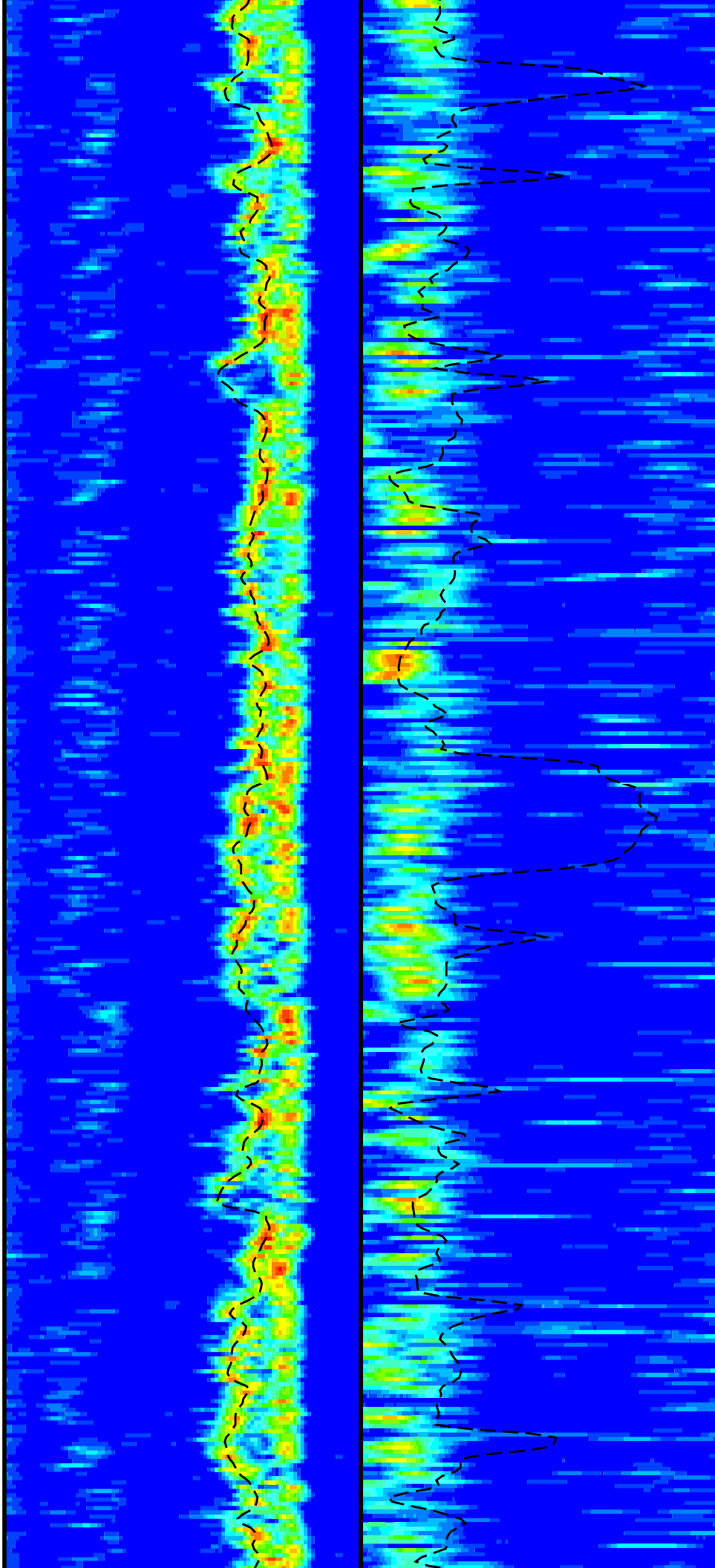
2nd Pass, Sea Floor Depth Reference

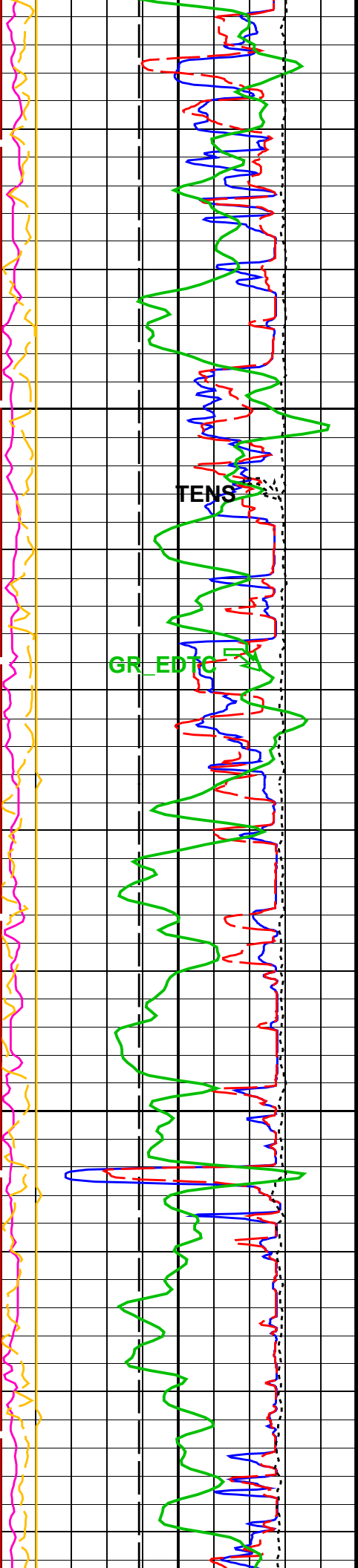




150

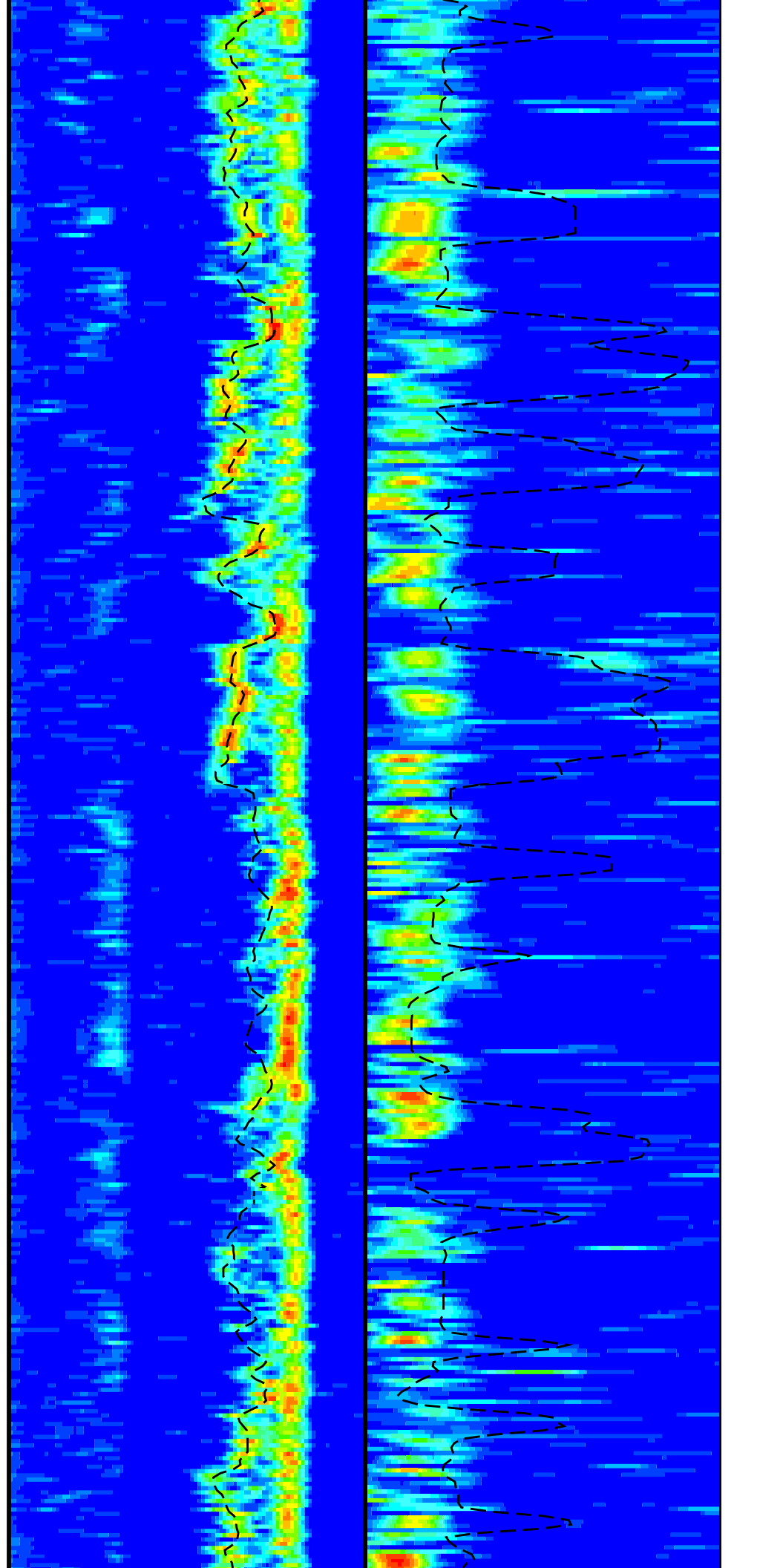
175



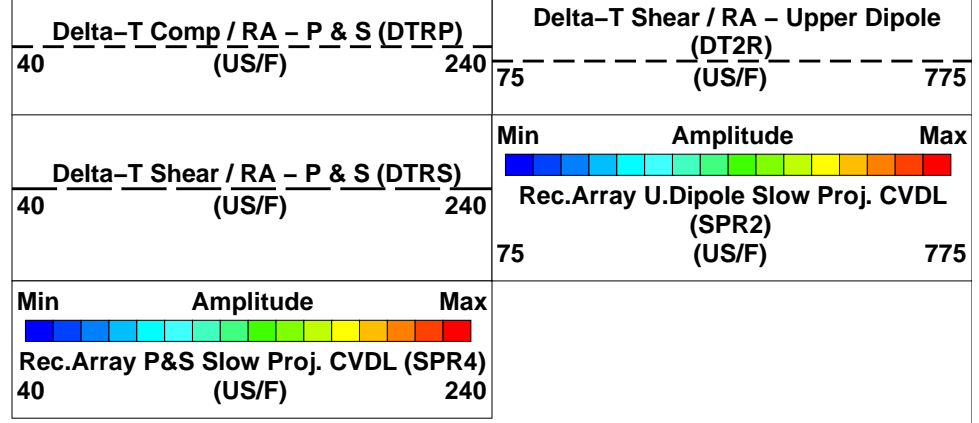
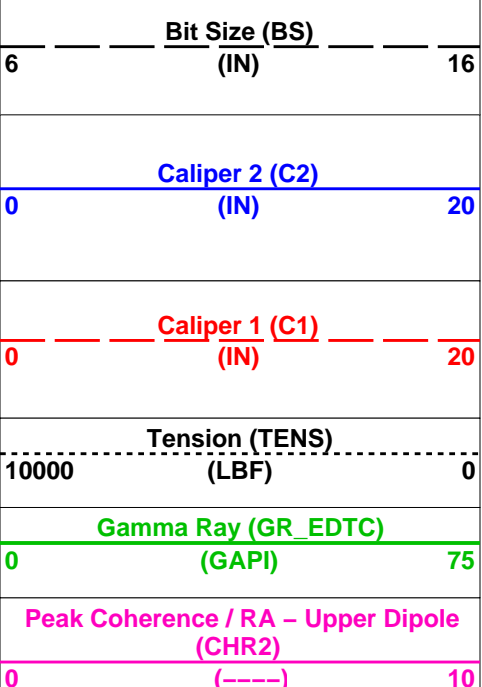
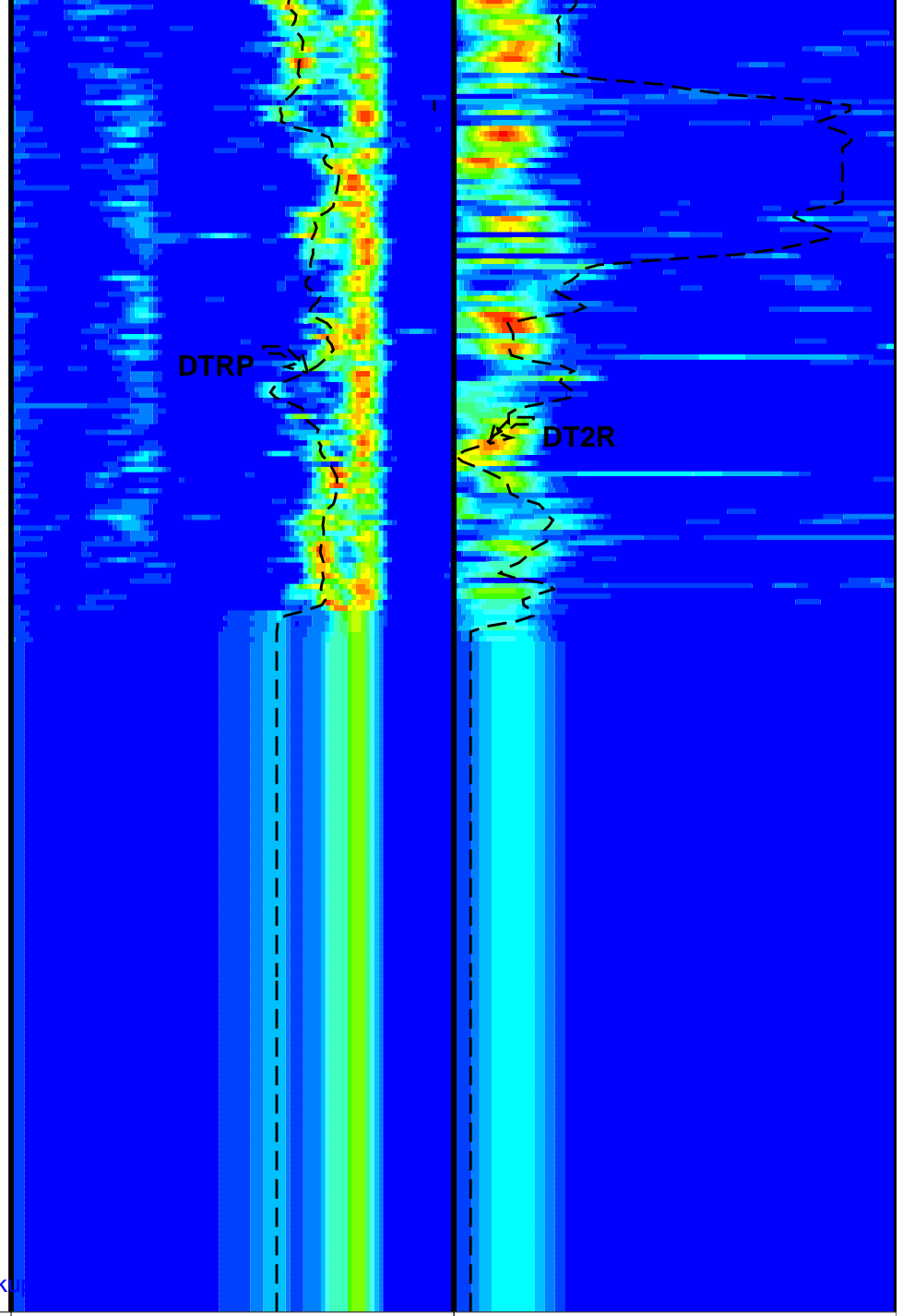
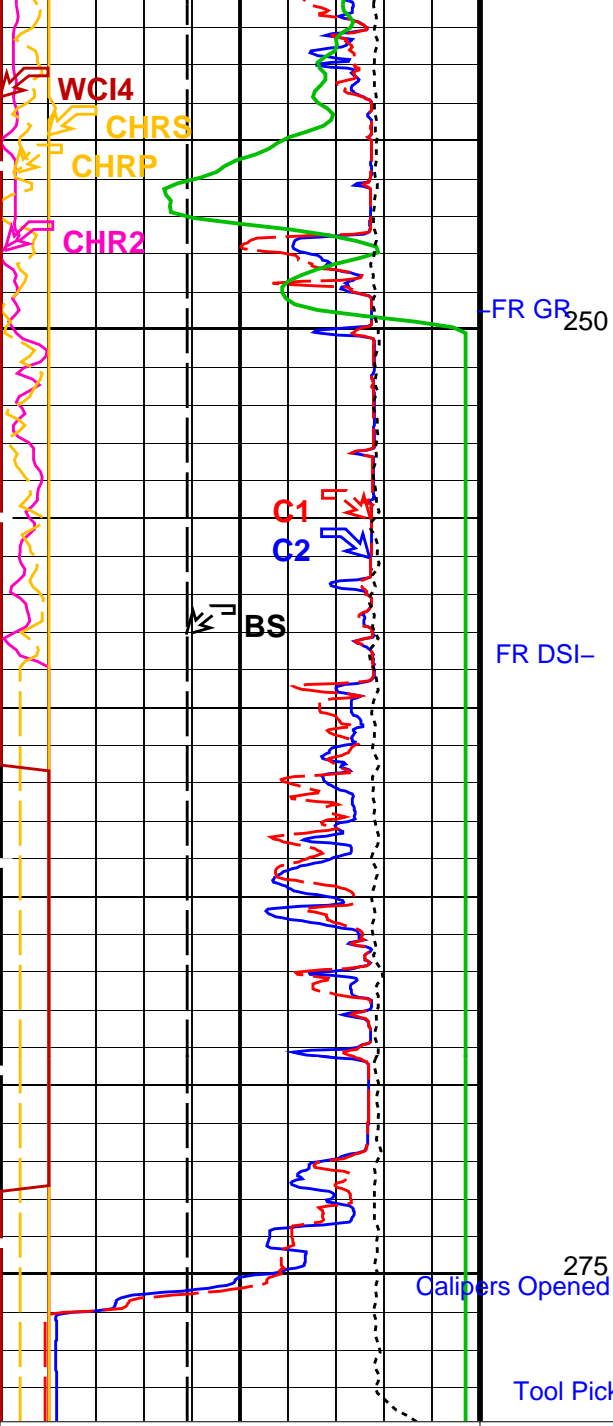


200

225







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	
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	130	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	190	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	775	US/F
DSI2	Digitizer Sample Interval 2	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
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	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	
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
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAM4	DSST Sonic Acquisition Mode 4 – 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	B1–2K	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	230	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

STOL	Label Slowness Upper Limit – Monopole Stonerley	780	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	775	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	15525	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	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	–569.0	M
PP	Playback Processing	NORMAL	

Format: DSST\_P\_S\_UPPER\_VDL\_COLOR      Vertical Scale: 1:200      Graphics File Created: 29–Dec–2011 04:08

## OP System Version: 19C0–187

MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	EDTC–B	19C0–187

### Input DLIS Files

DEFAULT	FMS_DSI_047LUP	FN:65	PRODUCER	17–Dec–2011 18:28	848.0 M	661.3 M
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### Output DLIS Files

DEFAULT	FMS_DSI_080PUP	FN:98	PRODUCER	29–Dec–2011 04:07
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Company: Lamont Doherty      Well: Expedition 339, Site U1387 GC–09A

### Input DLIS Files

DEFAULT	FMS_DSI_046LUP	FN:63	PRODUCER	17–Dec–2011 17:23	905.4 M	560.6 M
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### Output DLIS Files

DEFAULT	FMS_DSI_079PUP	FN:97	PRODUCER	29–Dec–2011 03:38	336.3 M	–8.4 M
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## OP System Version: 19C0–187

MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	EDTC–B	19C0–187

### PIP SUMMARY

 Time Mark Every 60 S

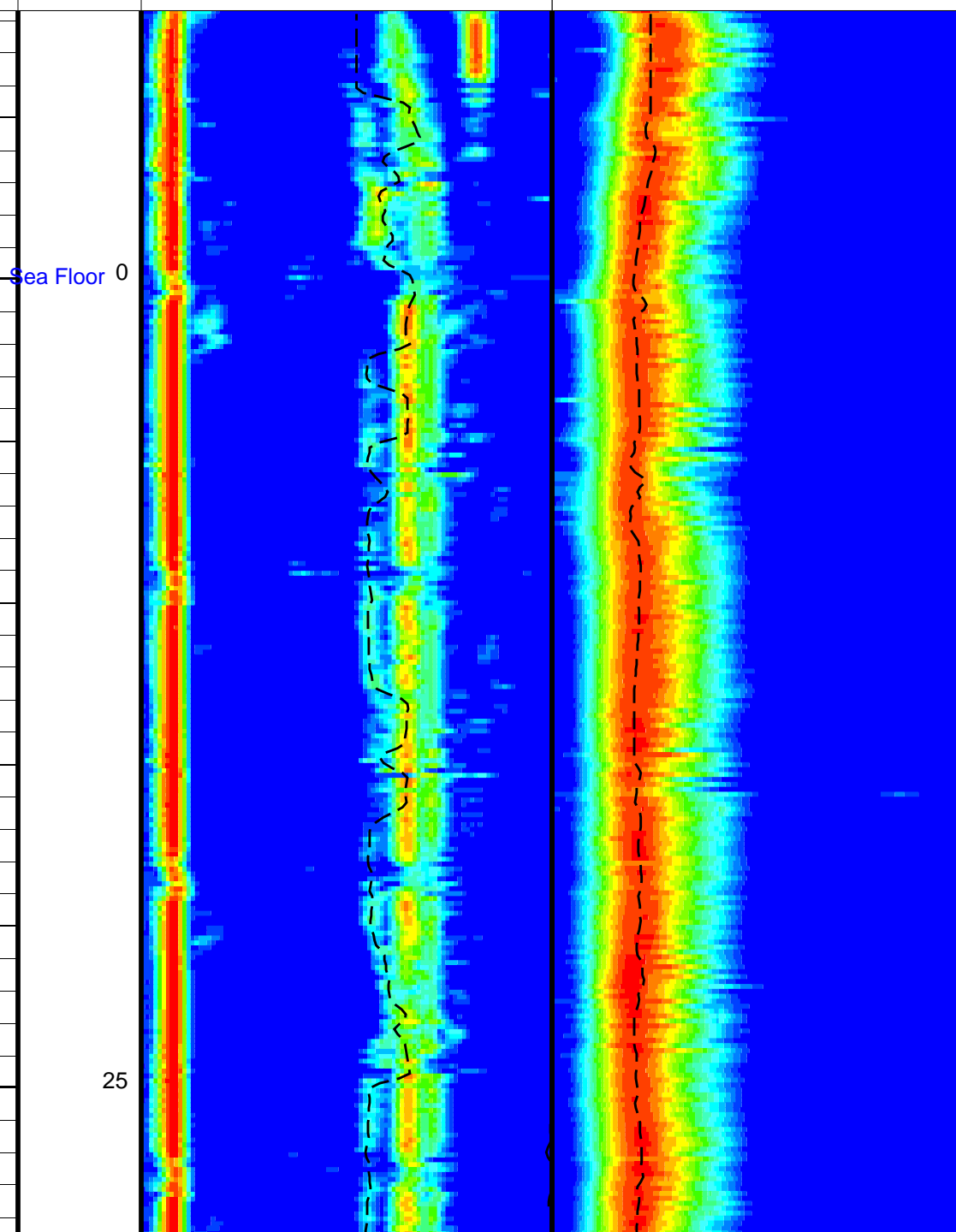
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)		
0	(----)	10
Peak Coherence / RA – P & S Shear (CHRS)		
–1	(----)	9
Peak Coherence / RA – P & S Comp (CHRP)		
0	(----)	10
Peak Coherence / RA – Upper Dipole		

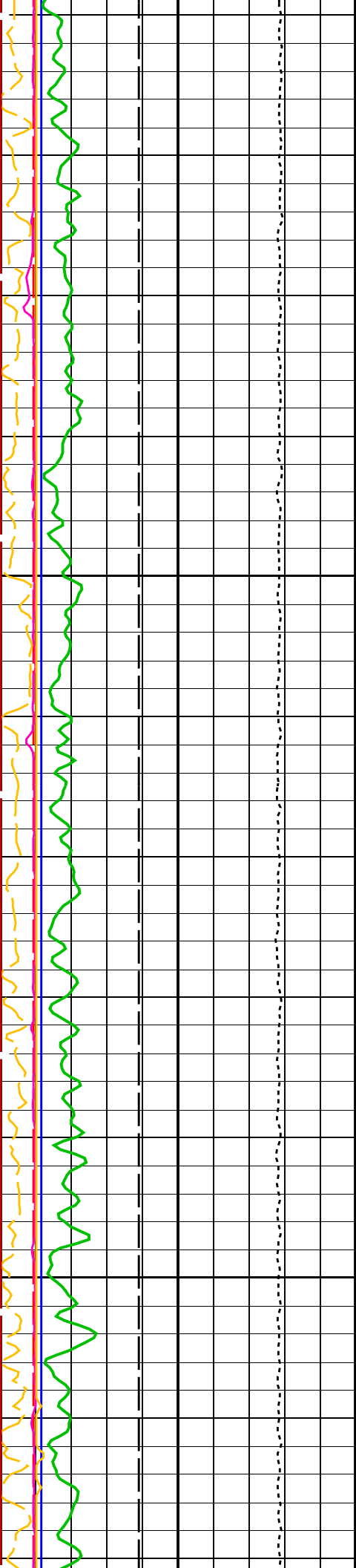
The graph displays four functions on a grid. The x-axis ranges from 0 to 10, and the y-axis ranges from 0 to 10. The functions are:

- Green line (solid):** A highly oscillatory function, starting at (0, 10) and ending at (10, 0).
- Yellow line (dashed):** A smooth, decreasing curve starting at (0, 10) and ending at (10, 0).
- Pink line (solid):** A nearly horizontal line at  $y \approx 0.5$ .
- Black line (dashed):** A nearly vertical line at  $x \approx 8.5$ .

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

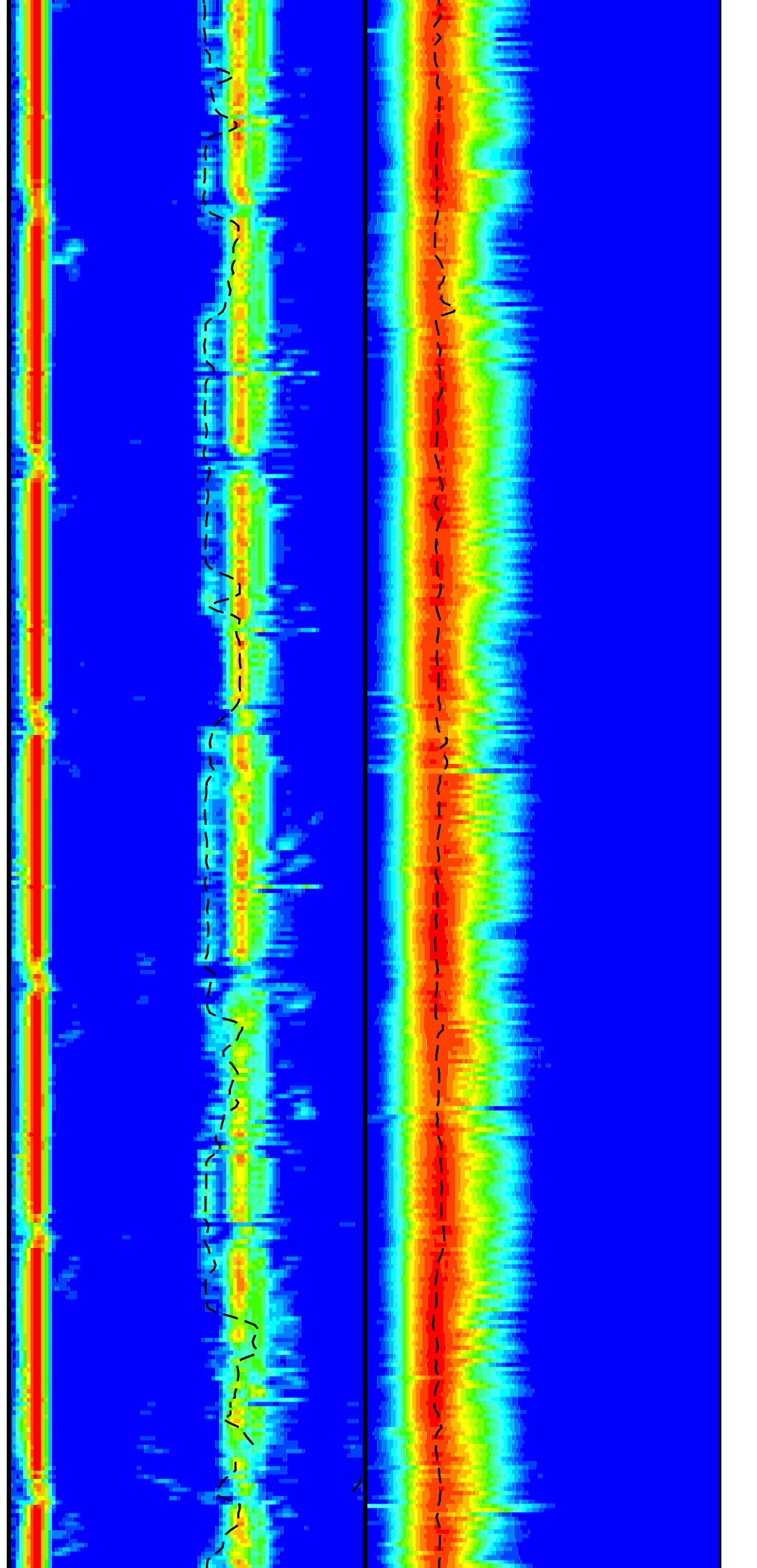
Delta-T Shear / RA - Upper Dipole	
75	(DT2R) (US/F) 775

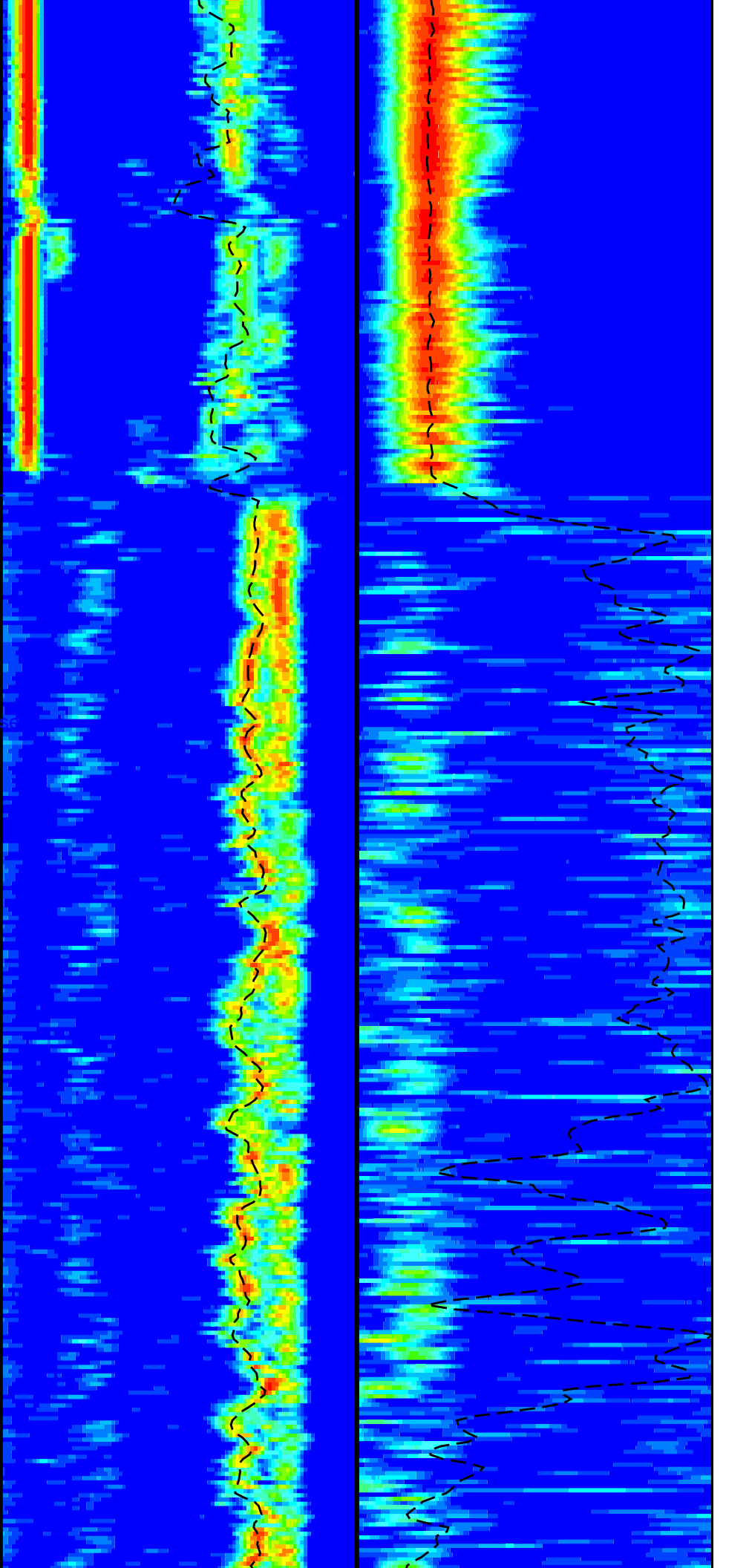
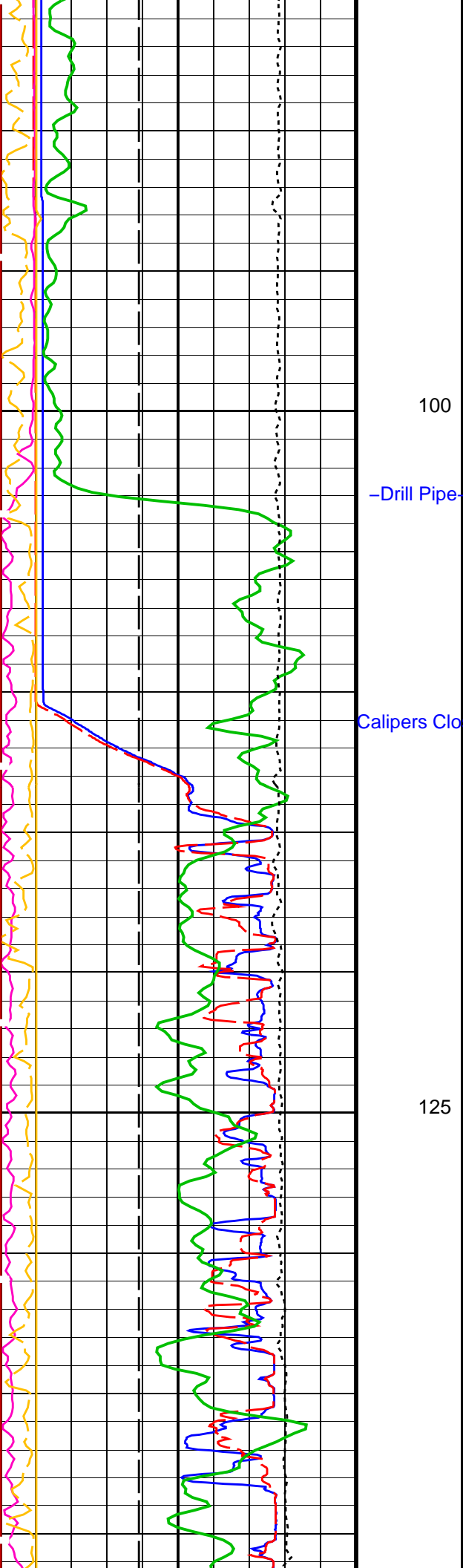


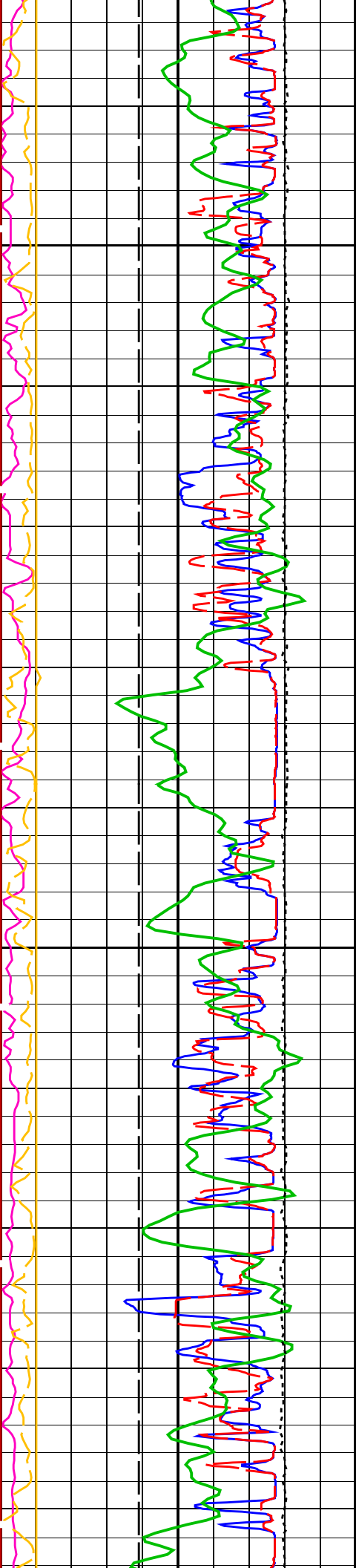


50

75

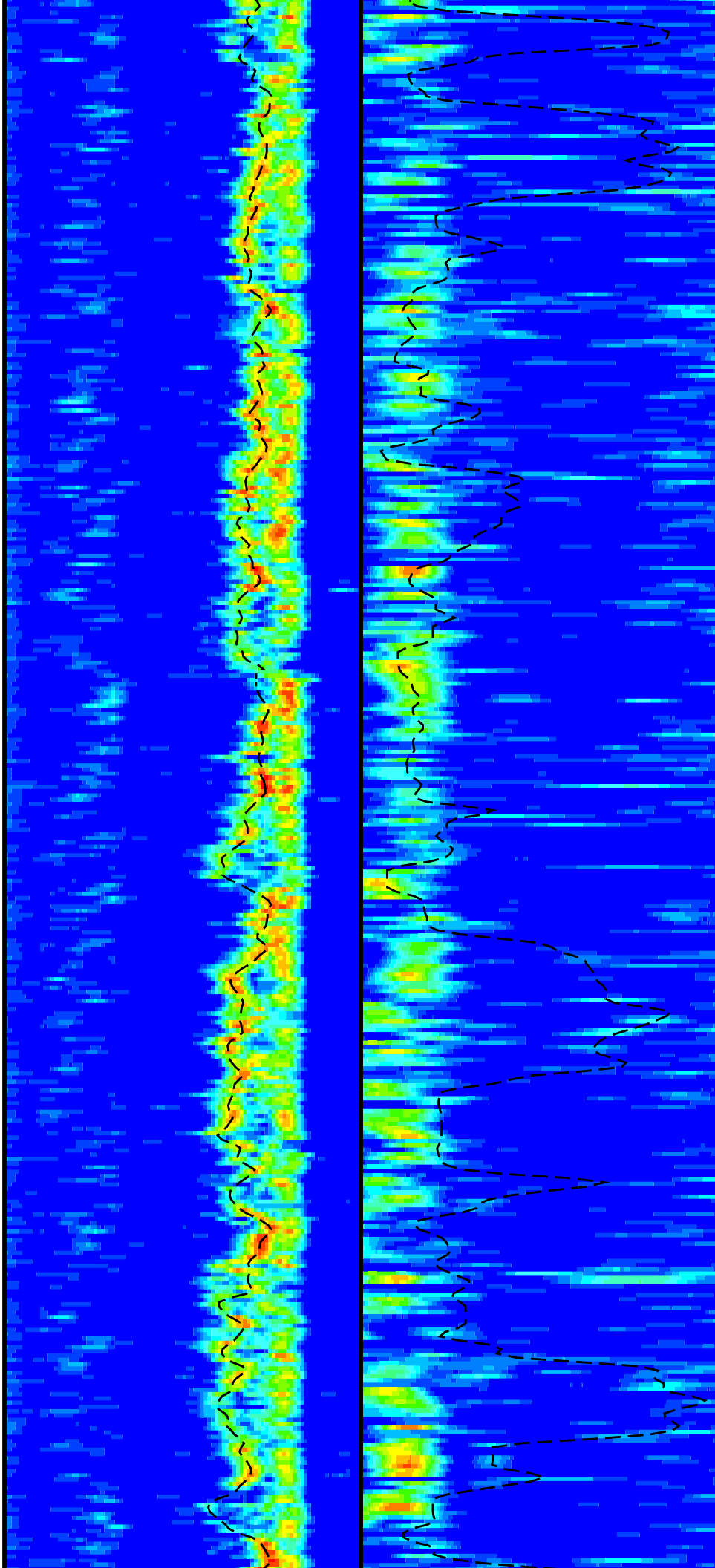


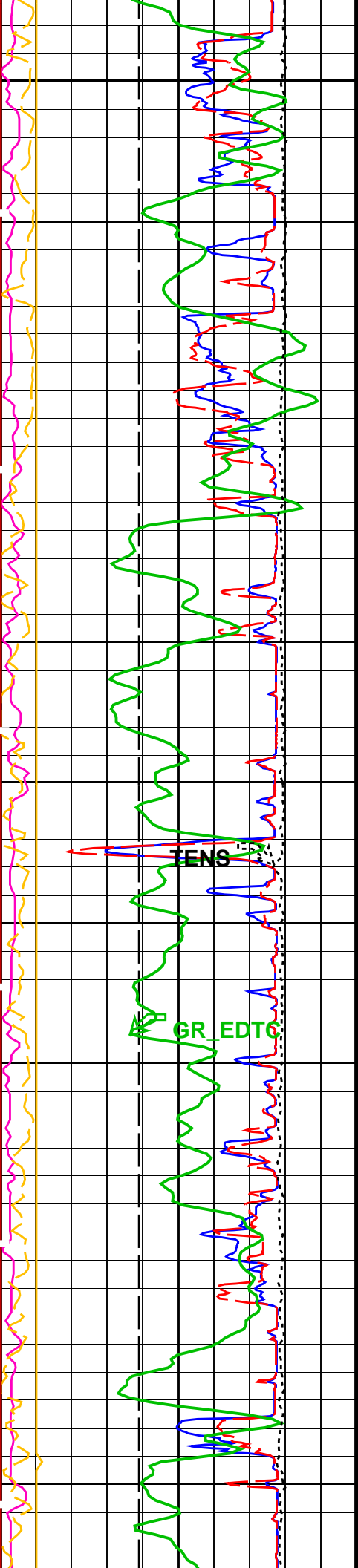




150

175

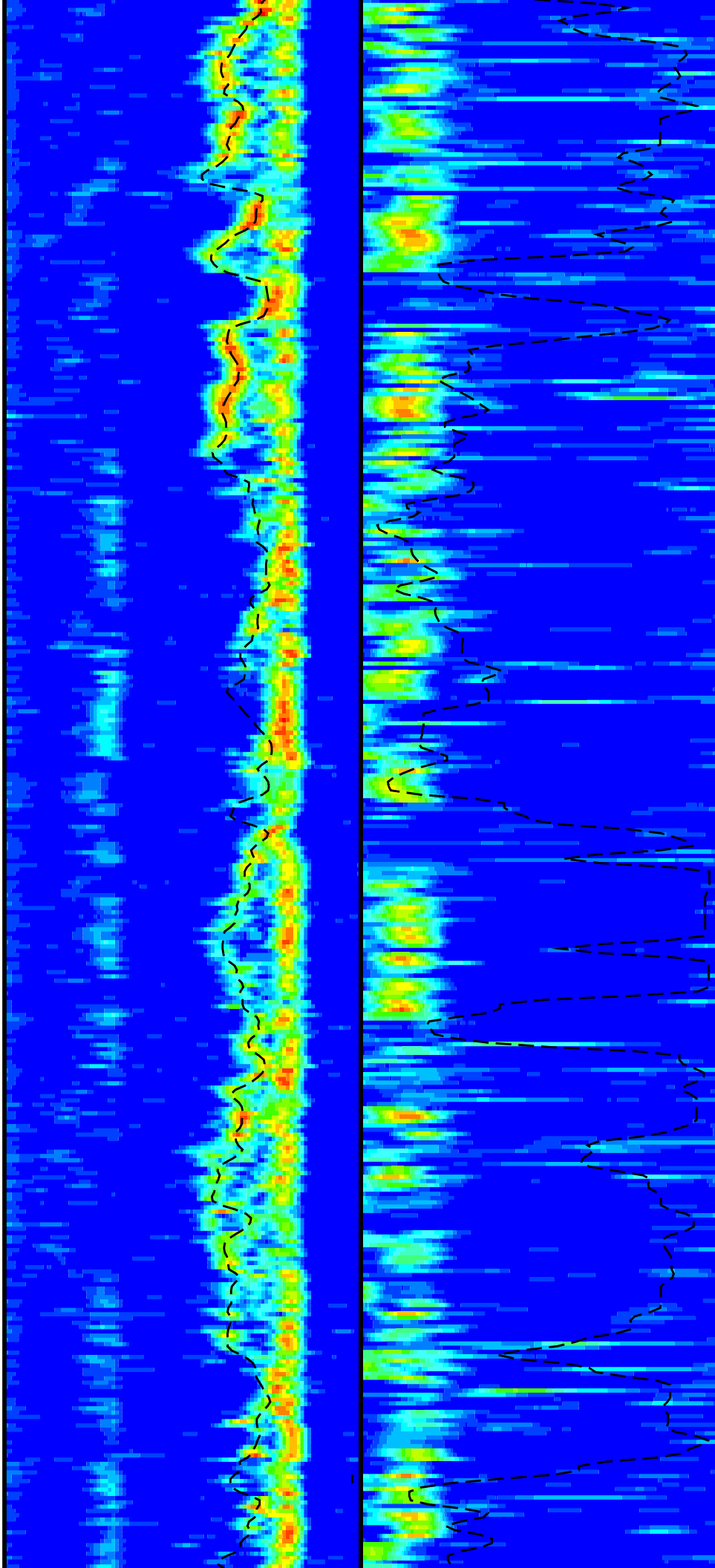




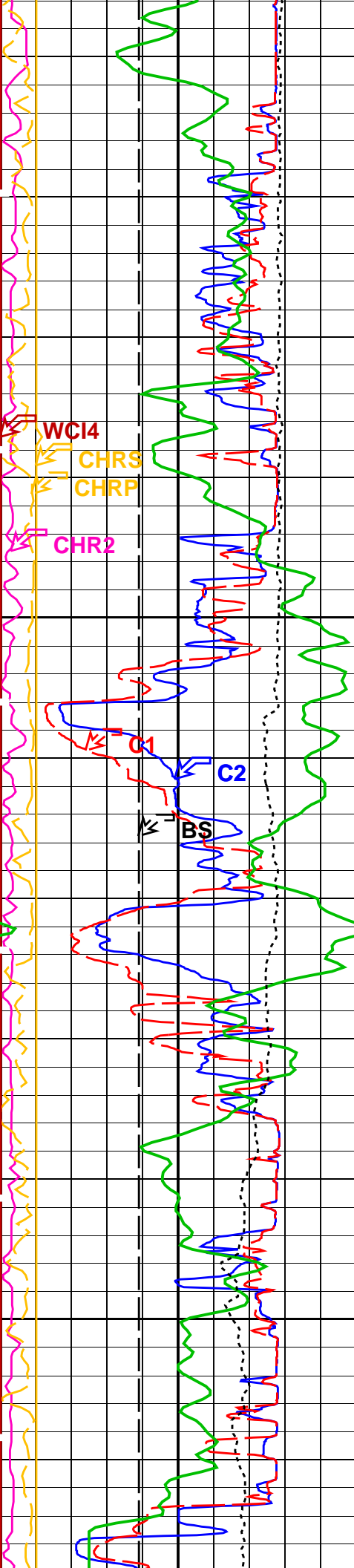
200

225

250





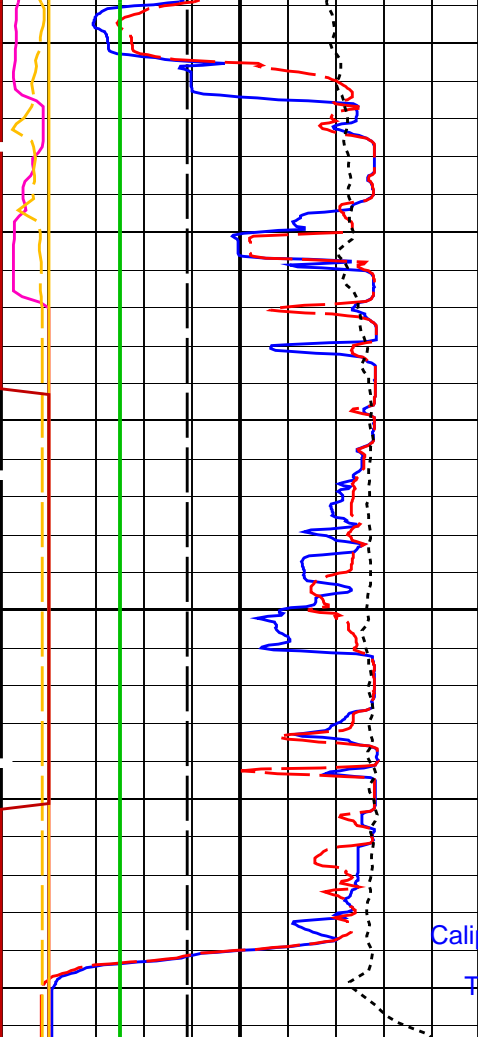


275

300

DTRP

DT2R



FR DSI

325

Calipers Opened  
Tool Pickup

Bit Size (BS)  
(IN) 6 16

Caliper 2 (C2)  
(IN) 0 20

Caliper 1 (C1)  
(IN) 0 20

Tension (TENS)  
(LBF) 10000 0

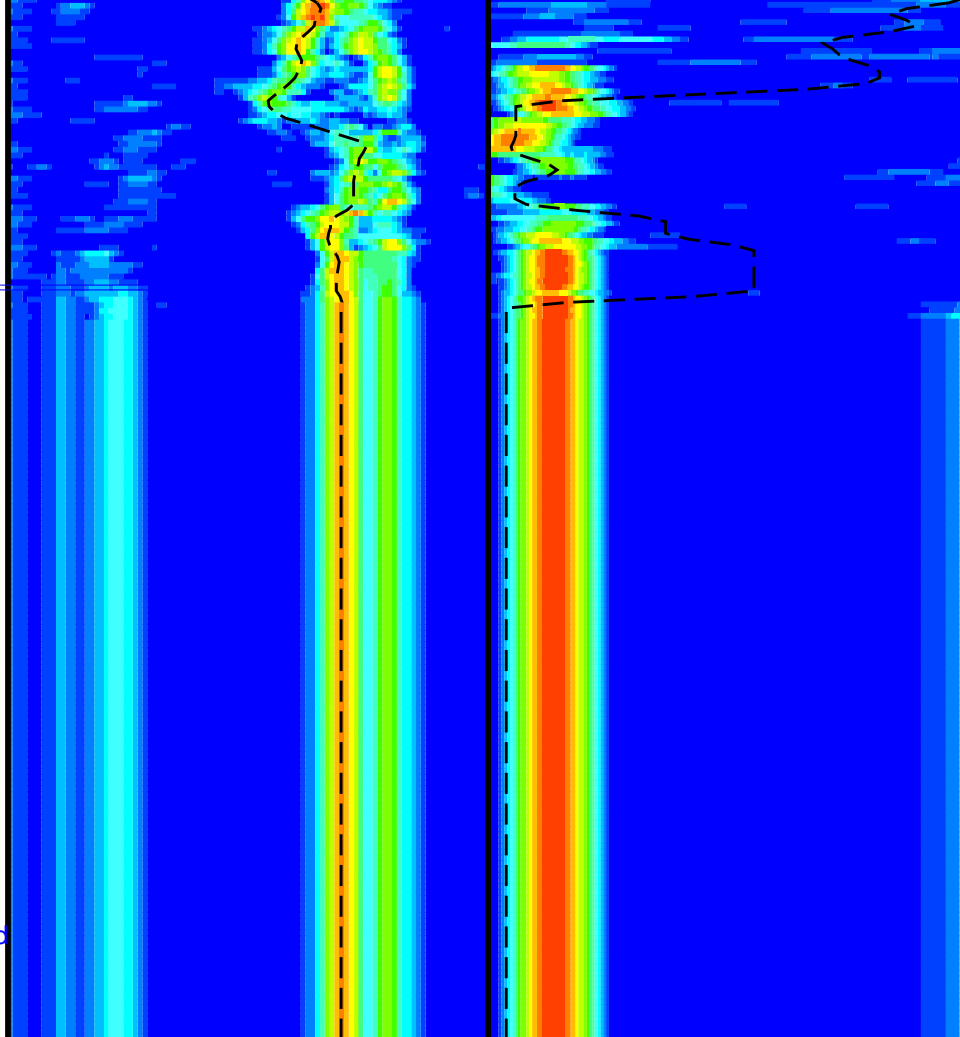
Gamma Ray (GR\_EDTC)  
(GAPI) 0 75

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



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

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

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

Delta-T Shear / RA - Upper Dipole  
(DT2R) 75 775  
(US/F)

Min Amplitude Max  
Rec.Array U.Dipole Slow Proj. CVDL  
(SPR2) 75 775  
(US/F)

1st Pass, Sea Floor Depth Reference

## 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	130	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	190	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	775	US/F
DSI2	Digitizer Sample Interval 2	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
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	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	
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
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAM4	DSST Sonic Acquisition Mode 4 – 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	B1–2K	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	230	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	775	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	15525	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	
BHS	EDTC–B: Enhanced DTS Cartridge Borehole Status	OPEN	
BS	System and Miscellaneous Bit Size	9.875	IN
DO	Depth Offset for Playback	–569.0	M
PP	Playback Processing	NORMAL	

Format: DSST\_P\_S\_UPPER\_VDL\_COLOR      Vertical Scale: 1:200      Graphics File Created: 29–Dec–2011 03:38

## OP System Version: 19C0–187

MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	EDTC–B	19C0–187

## Input DLIS Files

DEFAULT	FMS_DSI_046LUP	FN:63	PRODUCER	17–Dec–2011 17:23	905.4 M	560.6 M
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## Output DLIS Files

DEFAULT	FMS_DSI_079PUP	FN:97	PRODUCER	29–Dec–2011 03:38
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## 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–Nov–2011 1:38							
Caliper 1 Zero Measurement	11.88	N/A	11.99	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	11.88	N/A	12.02	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.16	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.32	N/A	N/A	N/A	IN
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 17–Dec–2011 16:10							
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: 17–Dec–2011 16:10							
TEMPERATURE REFERENCE :	N/A	N/A	23	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	9	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	507	N/A	N/A	N/A	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 17–Dec–2011 16:10							
EDTC Z–Axis Acceleration	9.810	N/A	9.825	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: Calibration out of date 26–Nov–2011 0:18							
Gamma Ray (Jig – Bkg)	163.8	N/A	163.8	N/A	N/A	14.89	GAPI
Gamma Ray (Calibrated)	164.0	N/A	164.0	N/A	N/A	15.00	GAPI

## Micro Electrical Scanner – B (Slim) / Equipment Identification

### Primary Equipment:

MEST Sonde – B	MEDS – B	770
MEST Preamplifier Cartridge – AB	MEPC – AB	807
GPIT Cartridge – A	GPIC – A	840
MEST Acquisition Cartridge – A	MEAC – A	875

### Auxiliary Equipment:

MEST–B Preamplifier Cartridge Housing	MEPH – A	702
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## Enhanced DTS Cartridge / Equipment Identification

## Primary Equipment:

EDTC Gamma Ray Detector  
Enhanced DTS Cartridge

EDTG – A/B  
EDTC – B

77693  
8529

## Auxiliary Equipment:


EDTC Housing

EDTH – B

8528

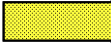


## Enhanced DTS Cartridge Wellsite Calibration

## EDTC Accelerometer Calibration

Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.825
	9.610 (Minimum)      9.810 (Nominal)      10.01 (Maximum)	
Before: 17-Dec-2011 16:10		

## Enhanced DTS Cartridge Wellsite Calibration

## Detector Calibration

Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig – Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value
Before		9.201	Before		163.8	Before		164.0
	0 (Minimum)      30.00 (Nominal)      120.0 (Maximum)			148.9 (Minimum)      163.8 (Nominal)      178.7 (Maximum)			149.0 (Minimum)      164.0 (Nominal)      179.0 (Maximum)	
Before: Calibration out of date 26-Nov-2011 0:18								

Company: **Lamont Doherty****Schlumberger**Well: **Expedition 339, Site U1387 GC-09A**Field: **Mediterranean Outflow (Portugal)**Rig: **JOIDES Resolution**Ocean: **Atlantic**

Dipole Shear Sonic  
P&S Compressional & Dipole Shear  
Gamma Ray