

Schlumberger

Company: Lamont Doherty

Well: Expedition 339, Site U1390 GC-02B

Field: Mediterranean Outflow (Portugal)

Rig: JOIDES Resolution Ocean: Atlantic

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Rig: **JOIDES Resolution** Ocean: **Atlantic**

<p>Rig: JOIDES Resolution</p> <p>Field: Mediterranean Outflow (Portugal)</p> <p>Location: Latitude: N 36° 19.04'</p> <p>Well: Expedition 339, Site U1390 GC-0</p> <p>Company: Lamont Doherty</p>			
<p>LOCATION</p>			
<p>Latitude: N 36° 19.04'</p> <p>Longitude: W 7° 43.08'</p>		<p>Elev.: K.B. 11.00 m</p> <p>G.L. -994.10 m</p> <p>D.F. 11.00 m</p>	
<p>Permanent Datum: _____</p> <p>Log Measured From: _____</p> <p>Drilling Measured From: _____</p>		<p>Mean Sea Level _____</p> <p>Drill Floor _____</p> <p>Drill Floor _____</p>	
<p>Elev.: 0.00 m _____</p> <p>11.00 m above Perm. Datum</p>			
<p>API Serial No.</p>		<p>Max. Hole Devi. 0 deg</p>	
<p>Longitude W 7.2781°</p>		<p>Latitude N 36.42528°</p>	

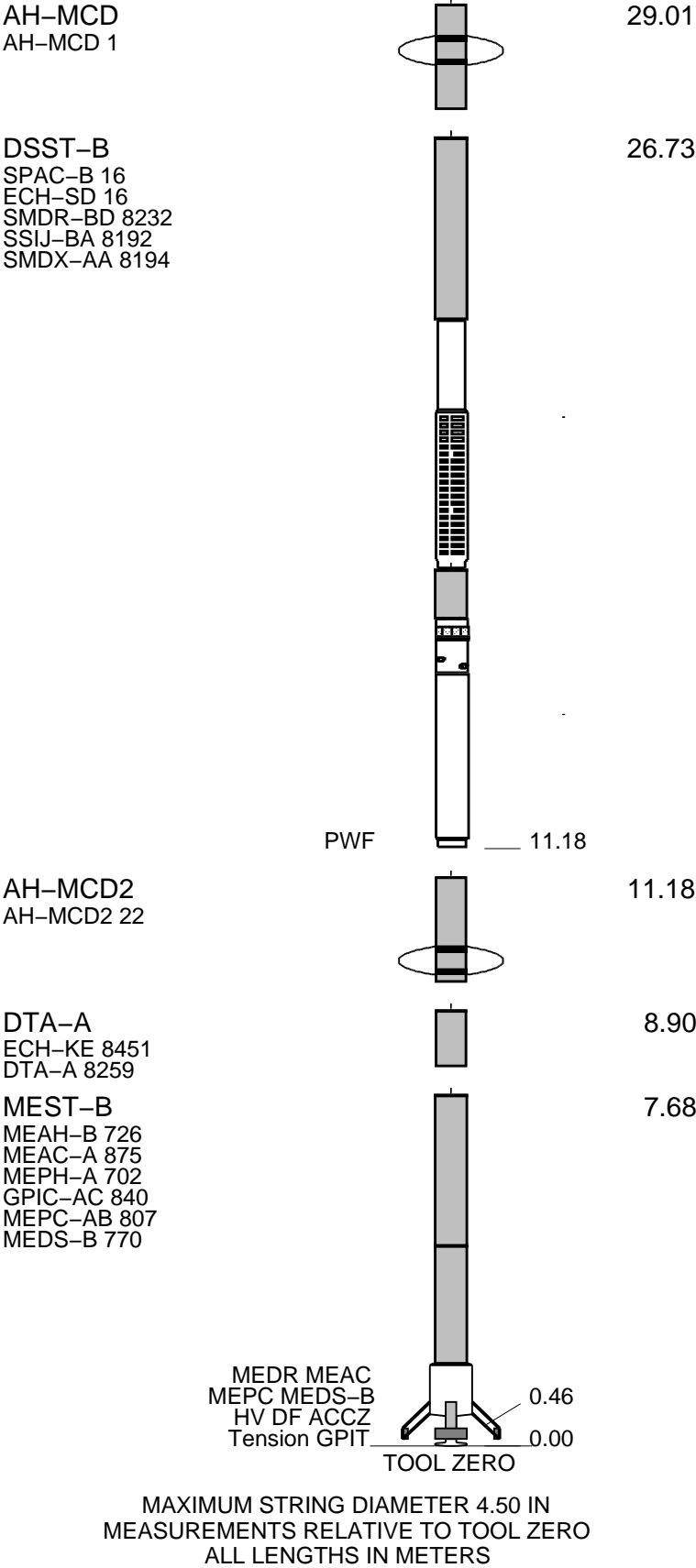
[illegible]

Logging Date	5-Jan-2012				
Run Number	1				
Depth Driller	350 m				
Schlumberger Depth	350 m				
Bottom Log Interval	350 m				
Top Log Interval	0 m				
Casing Driller Size @ Depth	10.750 in @ 96 m			@	
Casing Schlumberger	95 m				
Bit Size	9.875 in				
Type Fluid In Hole	Seawater Gel				
Density	Viscosity	1.25 g/cm3			
Fluid Loss	PH				
Source Of Sample	N/A				
RM @ Measured Temperature				@	@
RMF @ Measured Temperature				@	@
RMC @ Measured Temperature				@	@
Source RMF	RMC	N/A	N/A		
RM @ MRT	RMF @ MRT	@ 21	@ 21	@	@
Maximum Recorded Temperatures	21 degC				
Circulation Stopped	Time	4-Jan-2012	21:00		
Logger On Bottom	Time	5-Jan-2012	07:20		
Unit Number	Location	625003	Houston		
Recorded By	K. Swain				
Witnessed By	T. Williams, J. Lofi				

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.

30.99



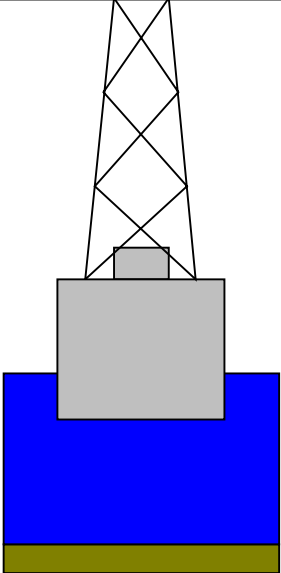
Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	OD	

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

-1005.1
-1005.1

-994.1



4.1



0
96

350

3.80
9.875

Sea Floor
Open Hole

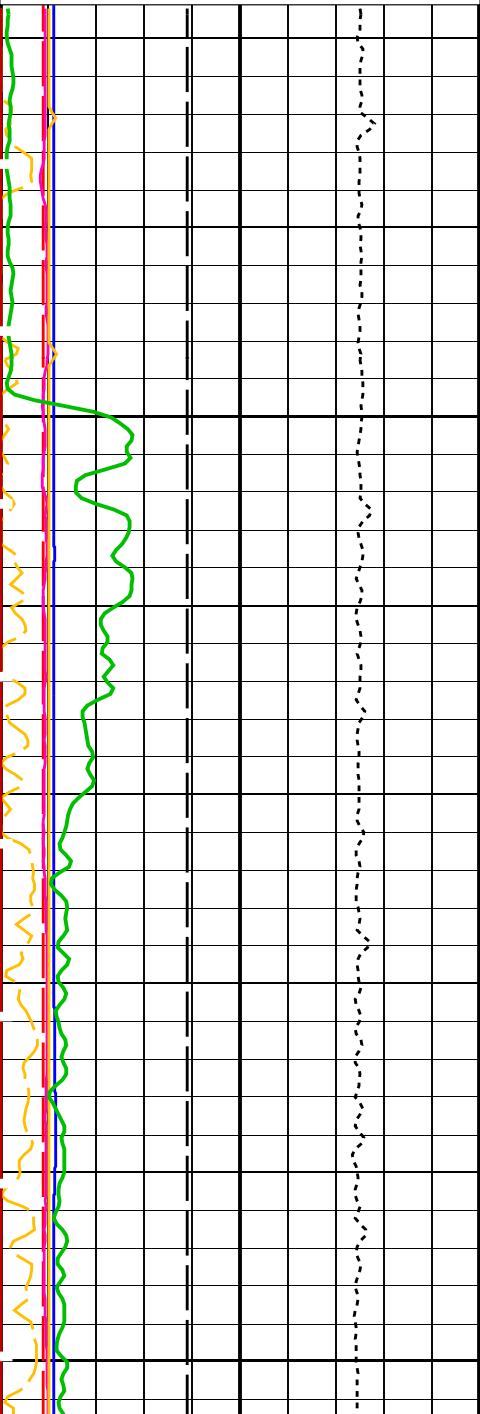
Total Depth

Input DLIS Files						
DEFAULT	FMS_DSI_023LUP	FN:34	PRODUCER	05-Jan-2012 07:56	1355.1 M	994.0 M
Output DLIS Files						
DEFAULT	FMS_DSI_026PUP	FN:38	PRODUCER	06-Jan-2012 08:18	350.1 M	-11.0 M
OP System Version: 19C0-187						
MEST-B	19C0-187	DTA-A		19C0-187		
DSST-B	19C0-187	EDTC-B		19C0-187		

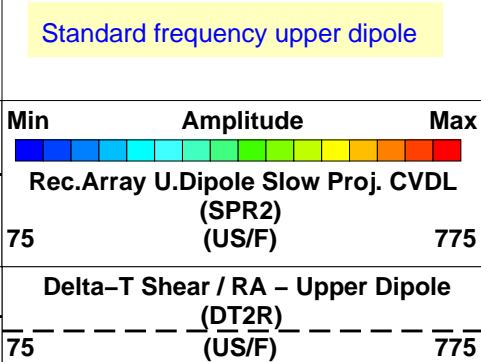
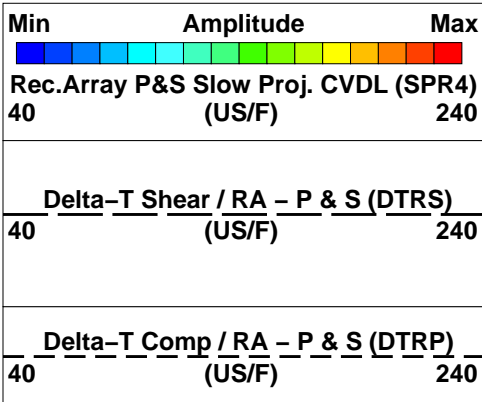
PIP SUMMARY

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)		

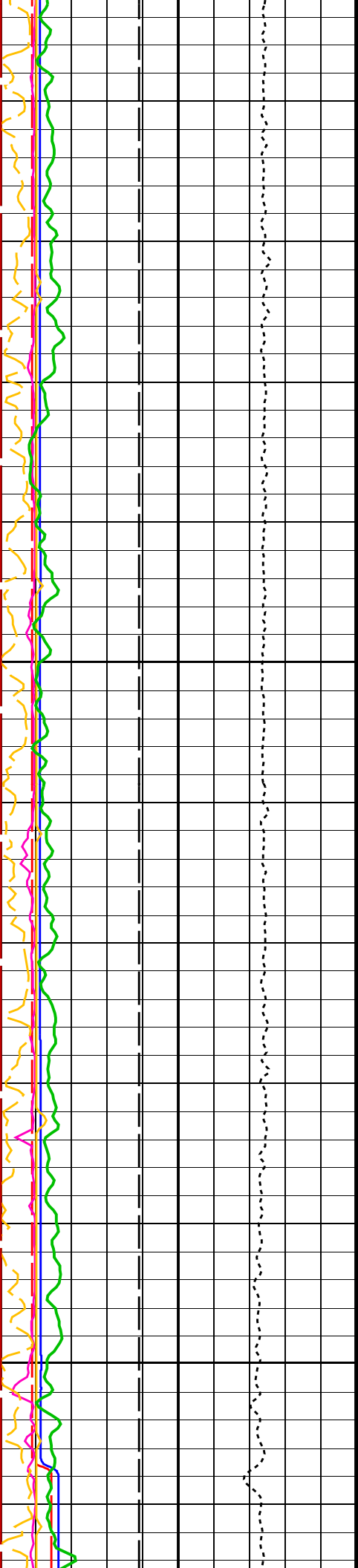
Peak Conference / RA - Upper Dipole (CHR2)		
0	(----	10
Gamma Ray (GR_EDTC) (GAPI)		
0		75
Tension (TENS) (LBF)		
10000		0
Caliper 1 (C1) (IN)		
0		20
Caliper 2 (C2) (IN)		
0		20
Bit Size (BS) (IN)		
6		16



2nd Pass, Sea Floor Depth Reference

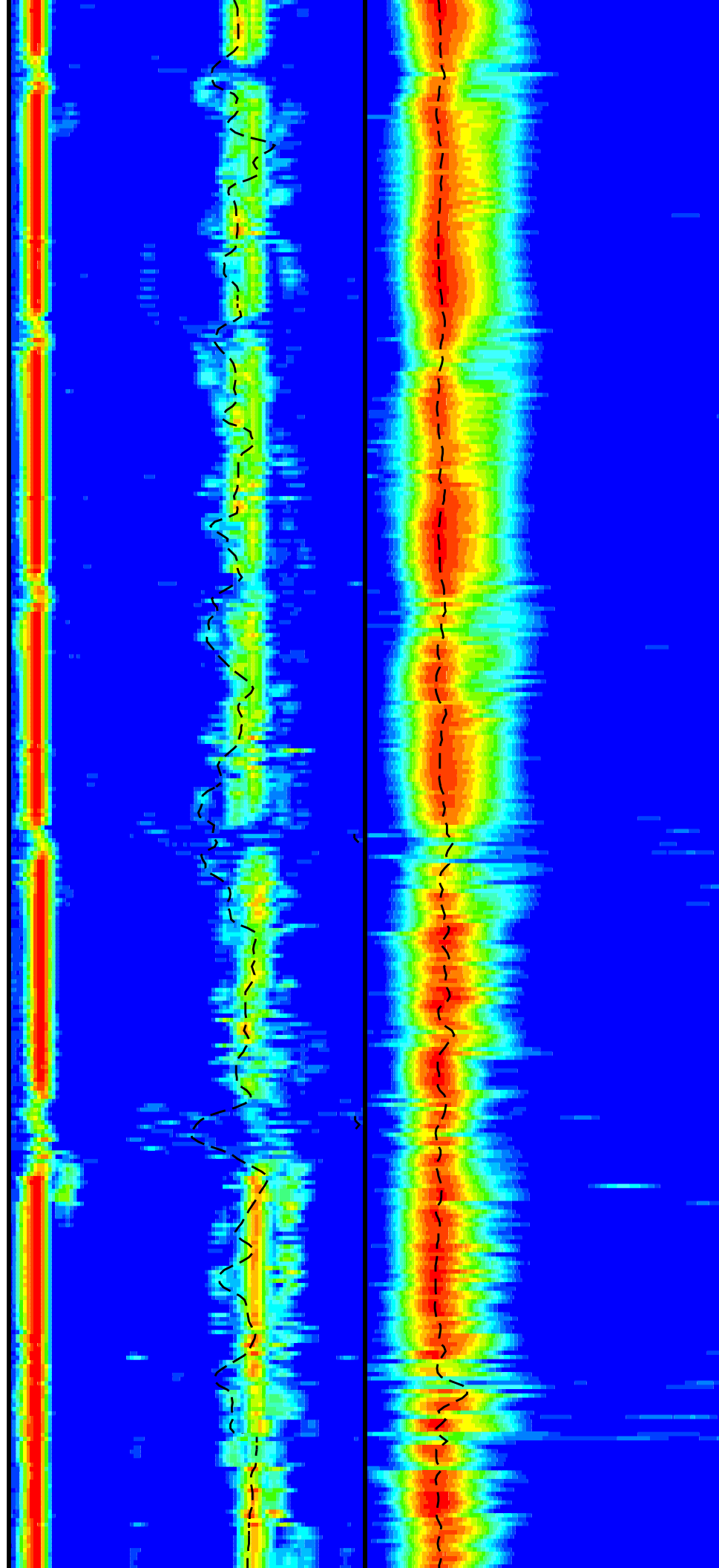


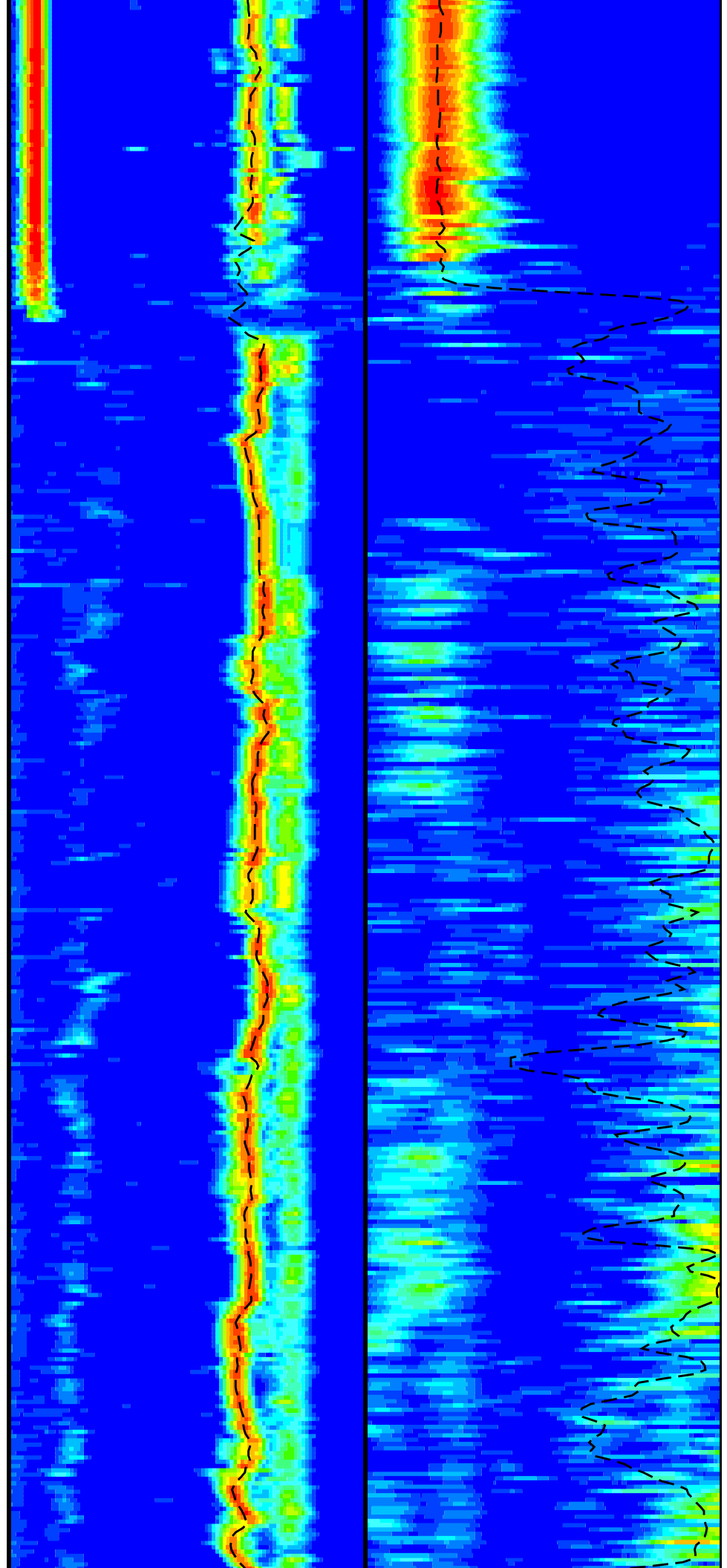
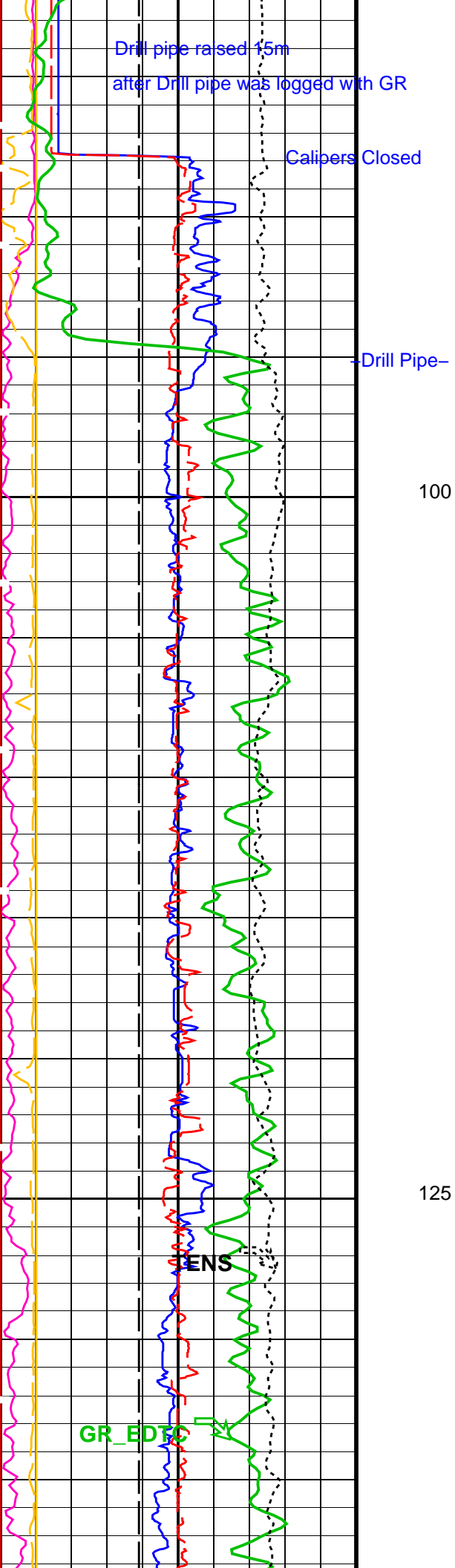
Sea Floor⁰

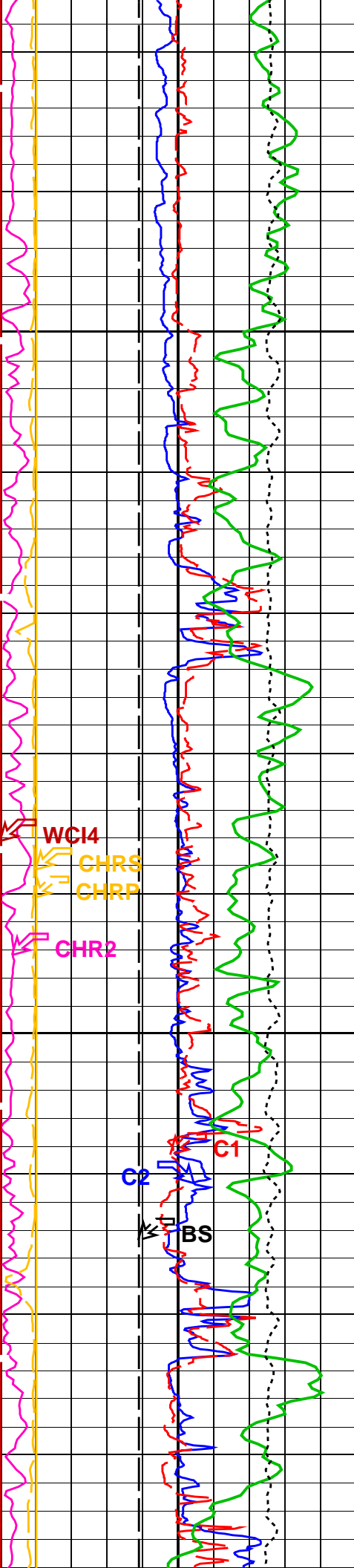


50

75

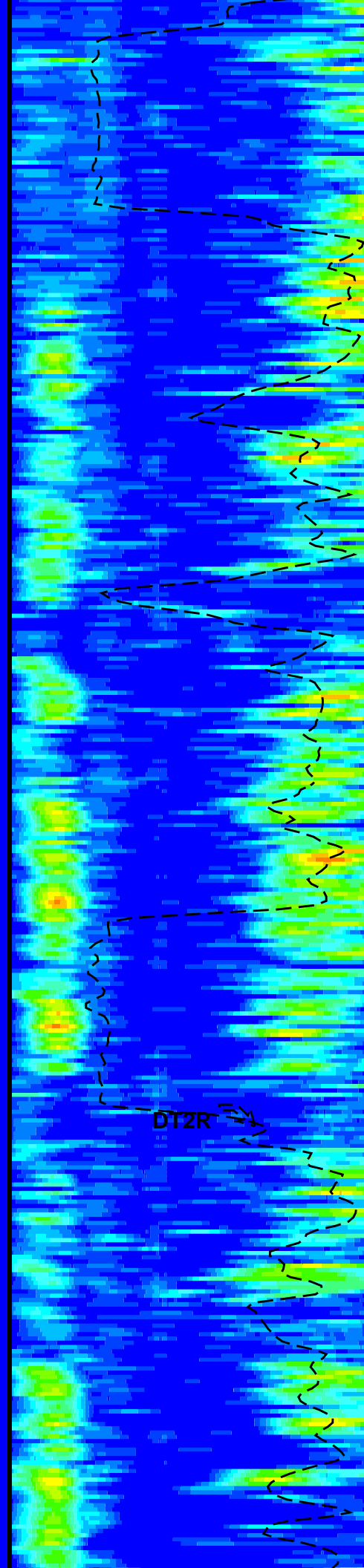
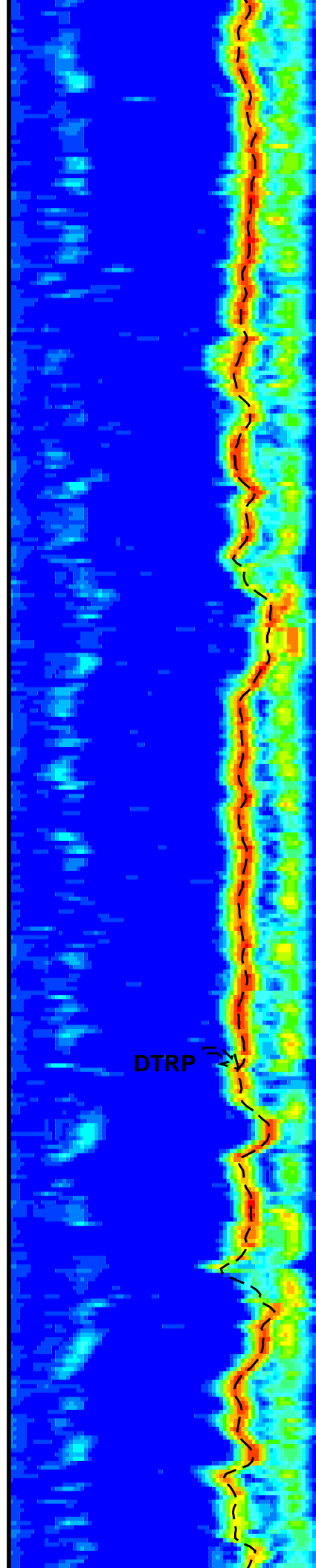


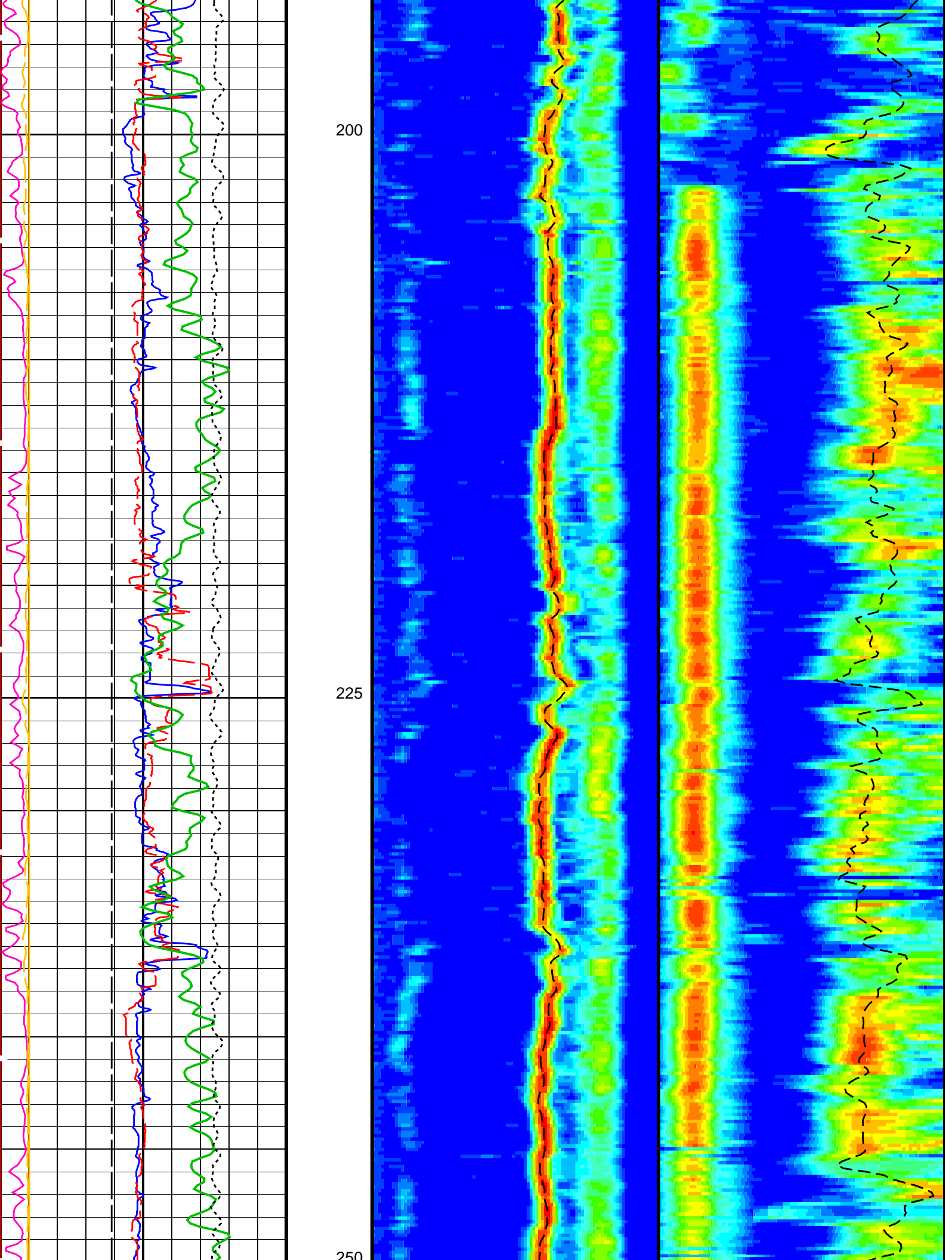


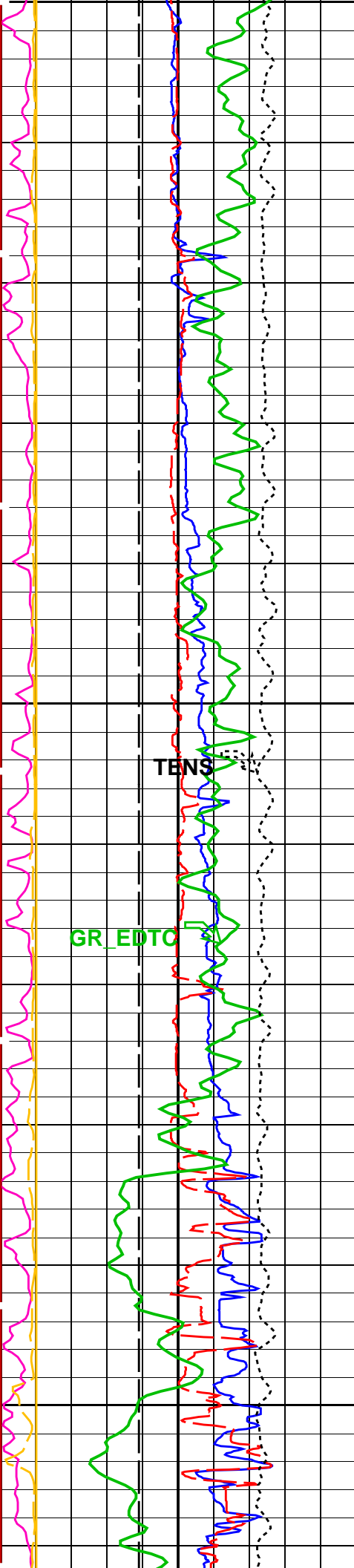


150

175



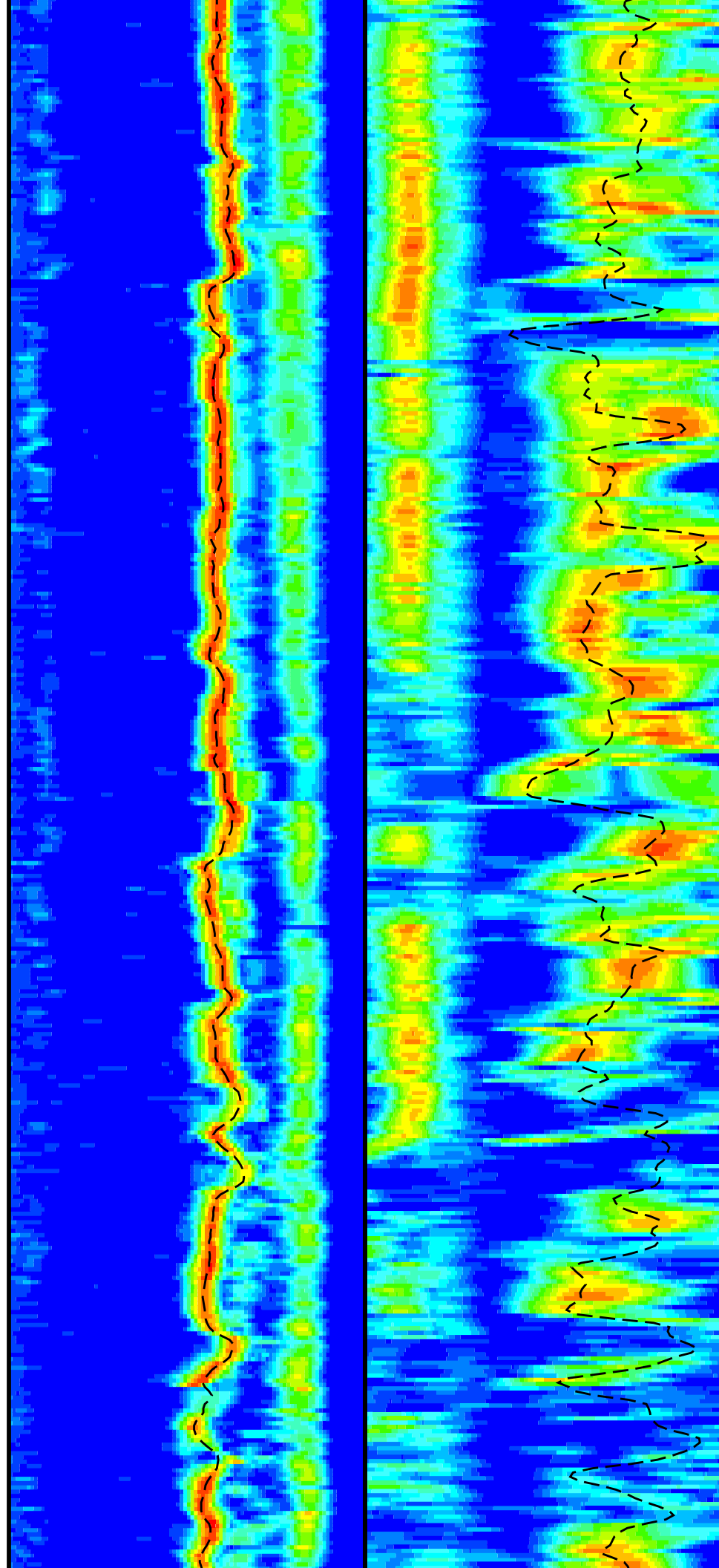


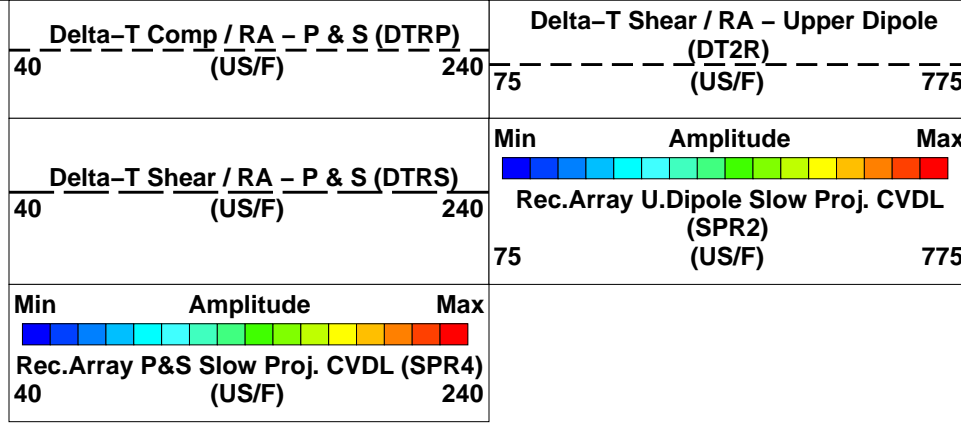
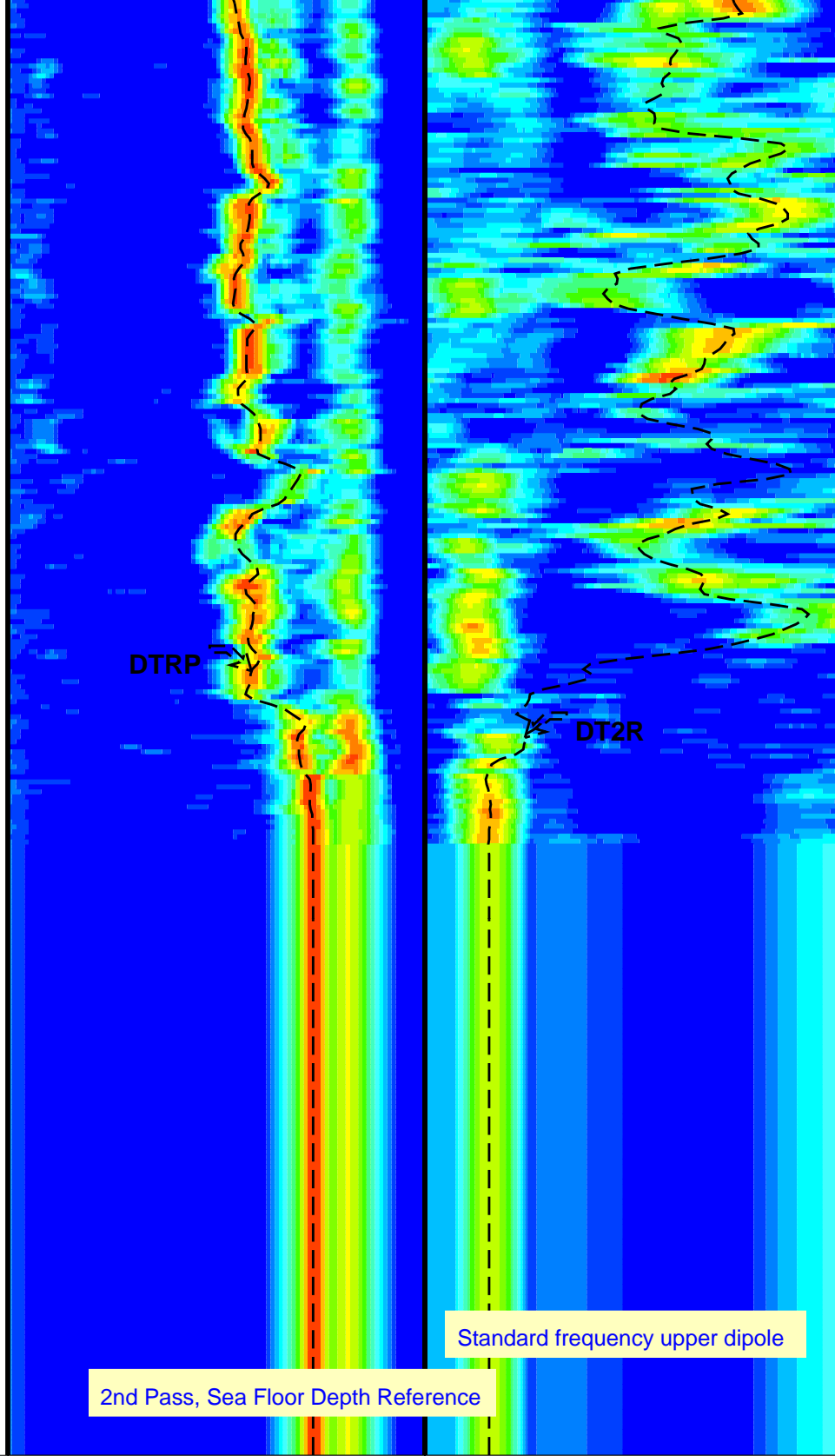
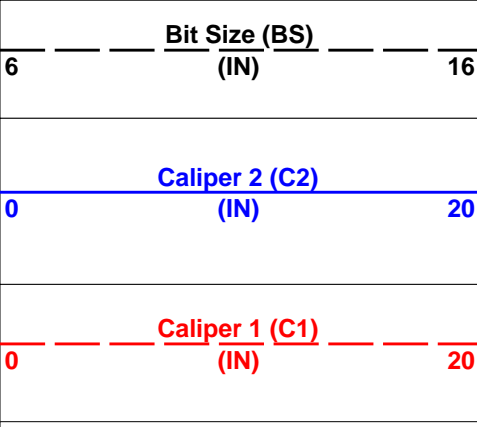
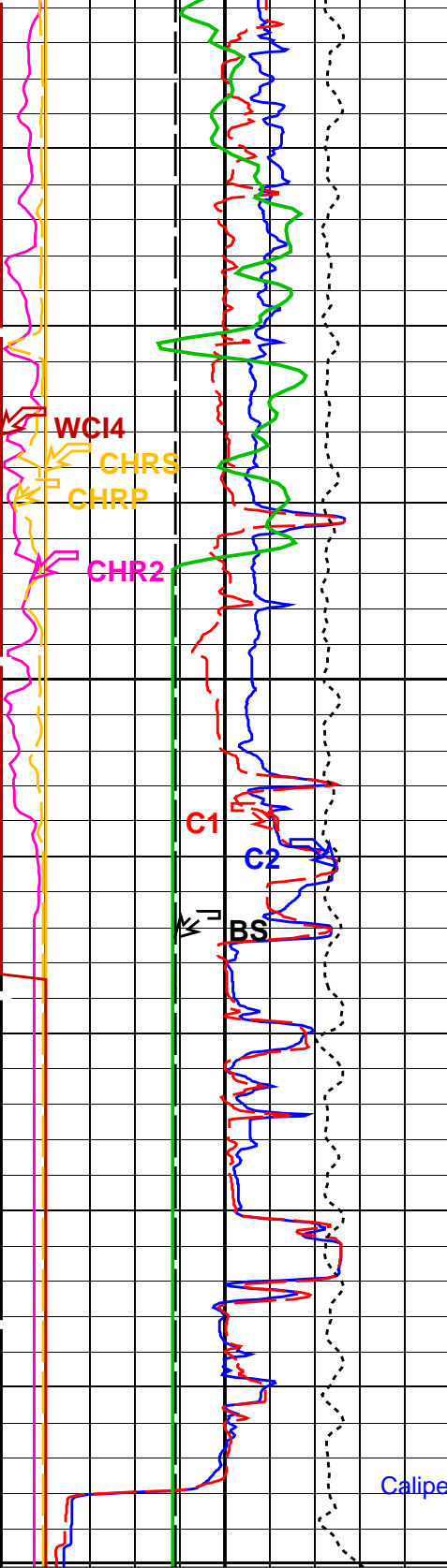


260

275

300





10000	Tension (TENS) (LBF)	0
0	Gamma Ray (GR_EDTC) (GAPI)	75
0	Peak Coherence / RA – Upper Dipole (CHR2) (-----)	10
0	Peak Coherence / RA – P & S Comp (CHRP) (-----)	10
-1	Peak Coherence / RA – P & S Shear (CHRS) (-----)	9
0	Waveform Data Copy Indicator 4 – Monopole P&S (WCI4) (-----)	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	B2-2K	

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	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	–1005.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06–Jan–2012 08:19

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_023LUP	FN:34	PRODUCER	05–Jan–2012 07:56	1355.1 M	994.0 M
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Output DLIS Files

DEFAULT	FMS_DSI_026PUP	FN:38	PRODUCER	06–Jan–2012 08:18		
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Company: Lamont Doherty Well: Expedition 339, Site U1390 GC–02B

Input DLIS Files

DEFAULT	FMS_DSI_023LUP	FN:34	PRODUCER	05–Jan–2012 07:56	1355.1 M	994.0 M
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Output DLIS Files

DEFAULT	FMS_DSI_026PUP	FN:38	PRODUCER	06–Jan–2012 08:18	350.1 M	–11.0 M
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OP System Version: 19C0–187

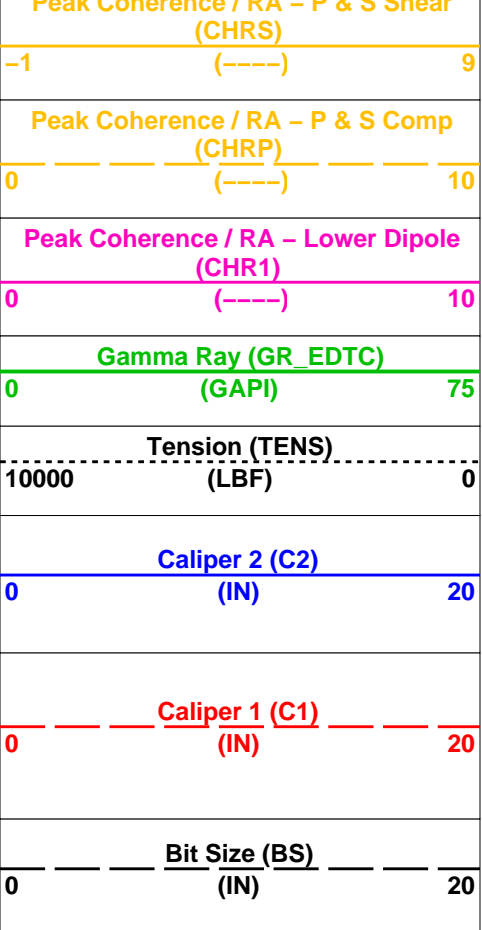
MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	EDTC–B	19C0–187

PIP SUMMARY

 Time Mark Every 60 S

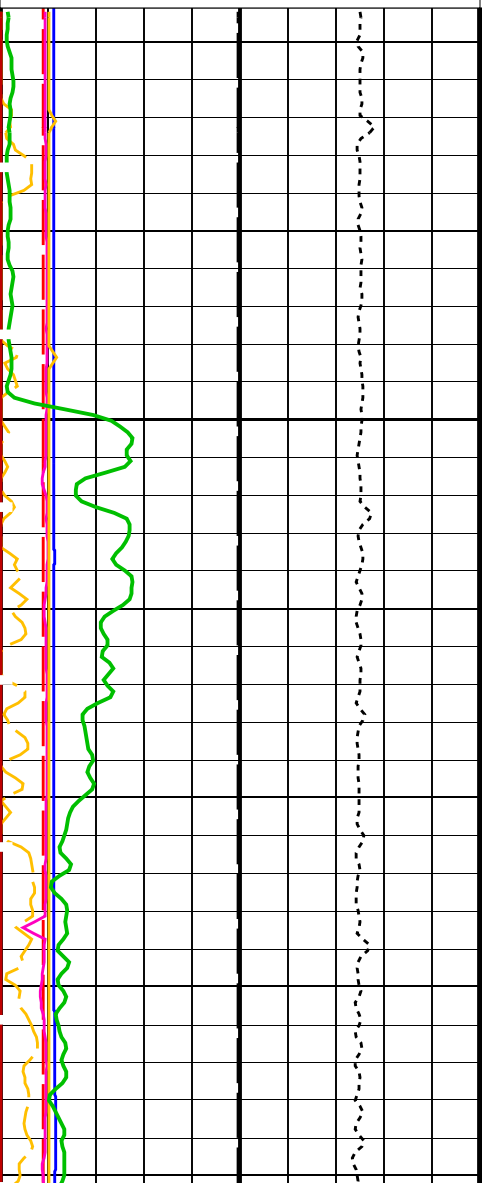
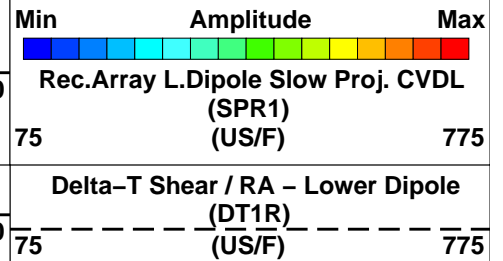
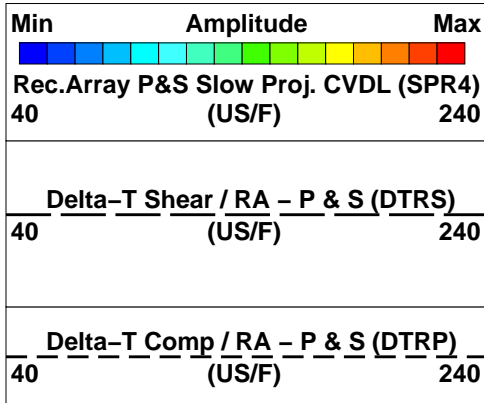
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)		
0	(----	10

Peak Coherence / PA P & S Shear

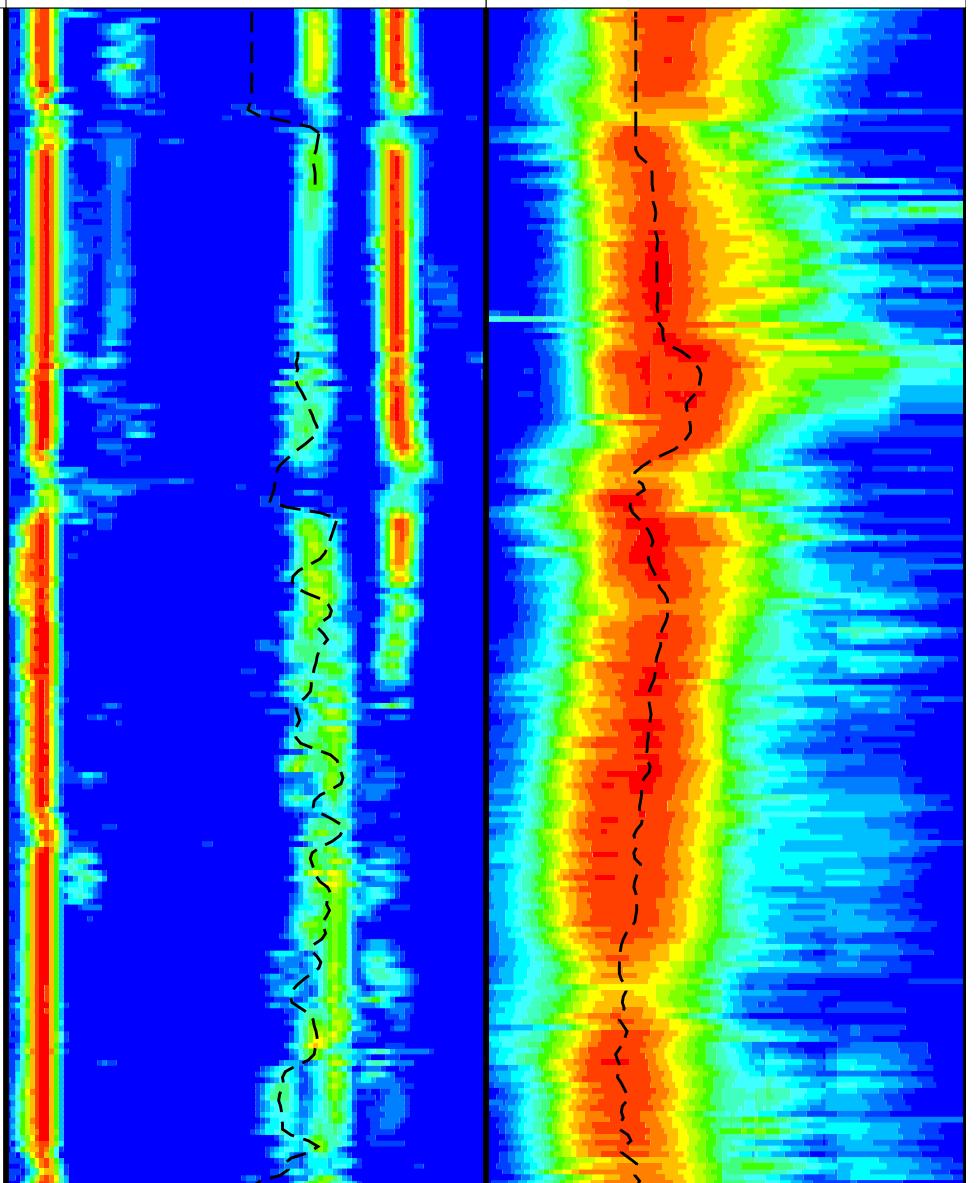


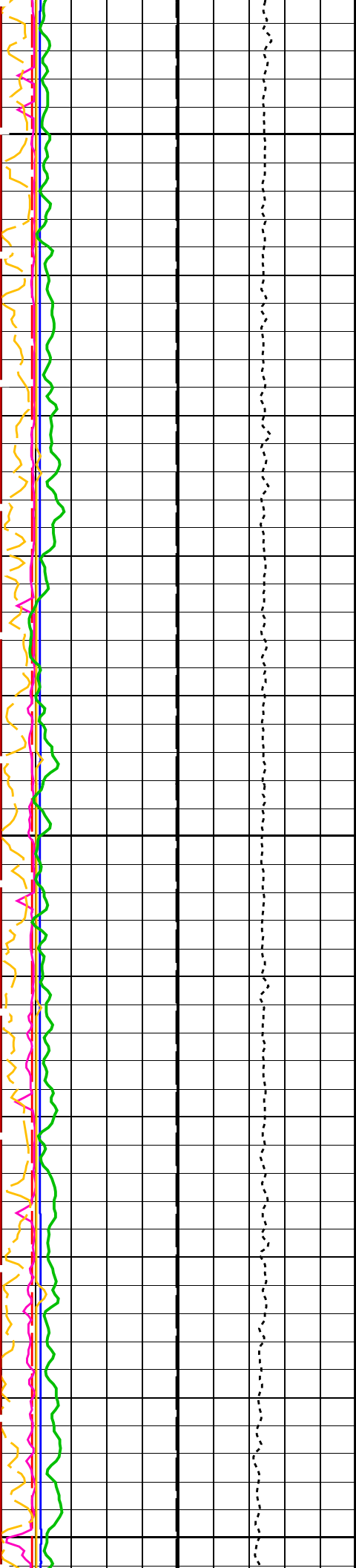
2nd Pass, Sea Floor Depth Reference

Low frequency lower dipole



Sea Floor⁰

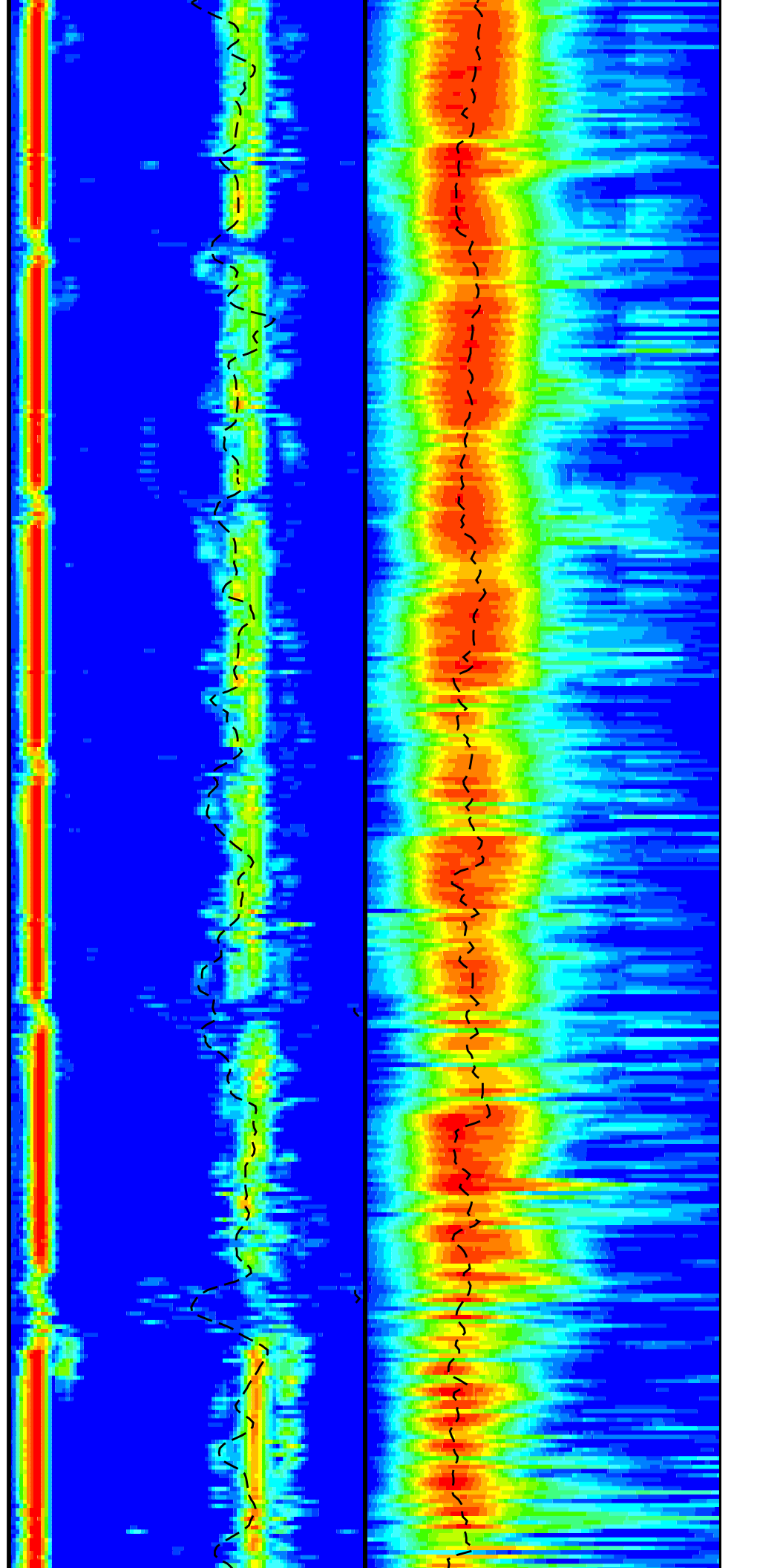


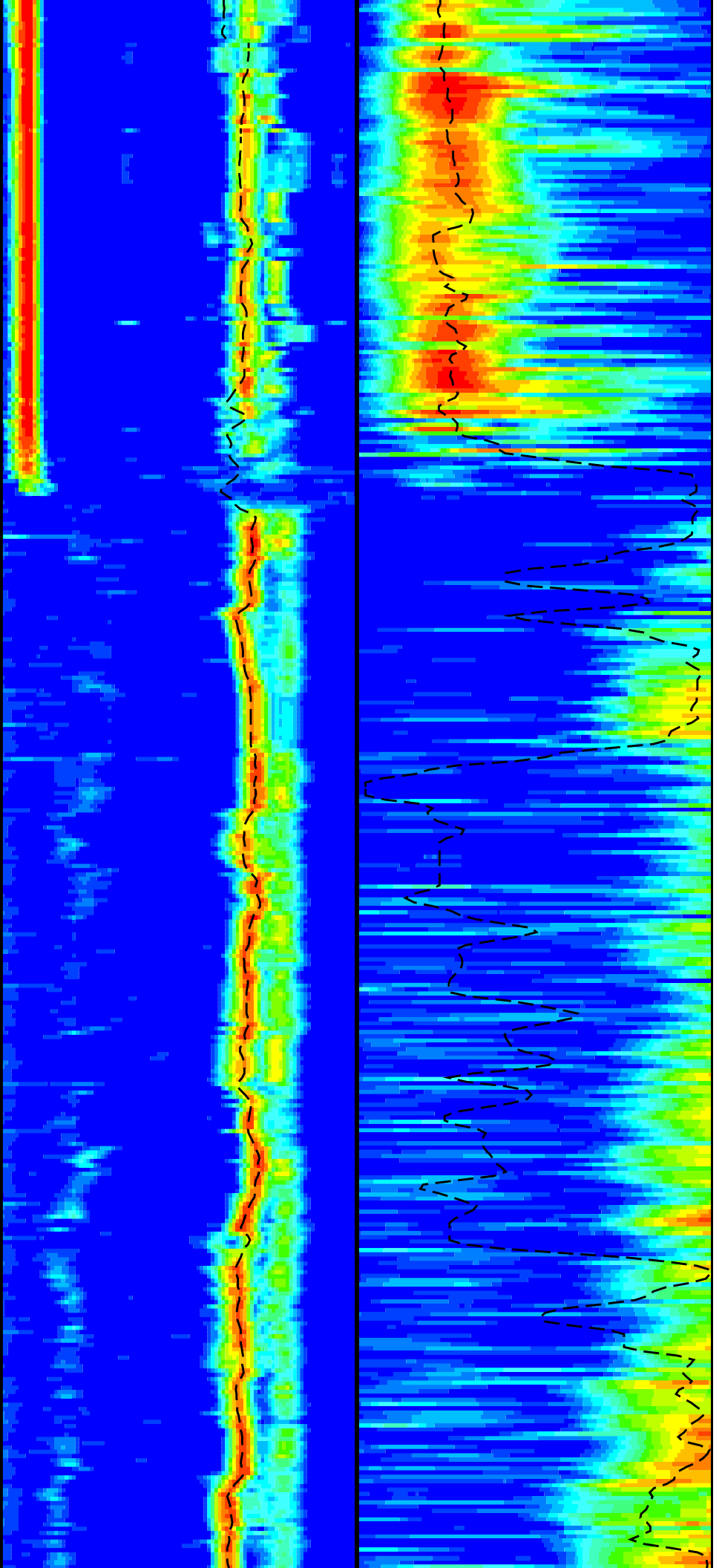
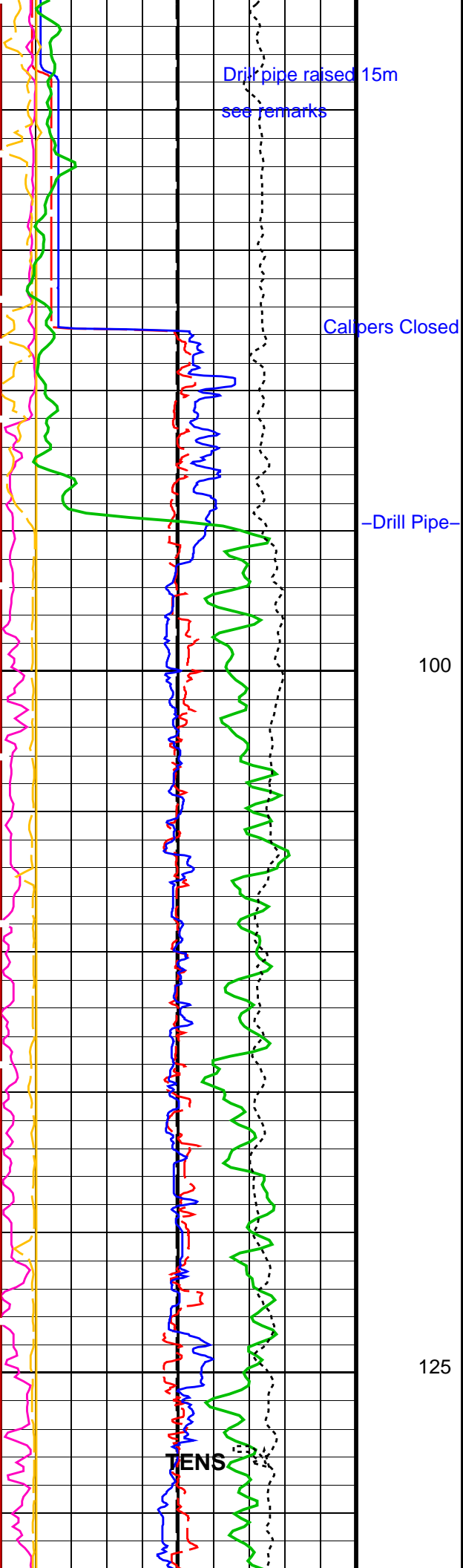


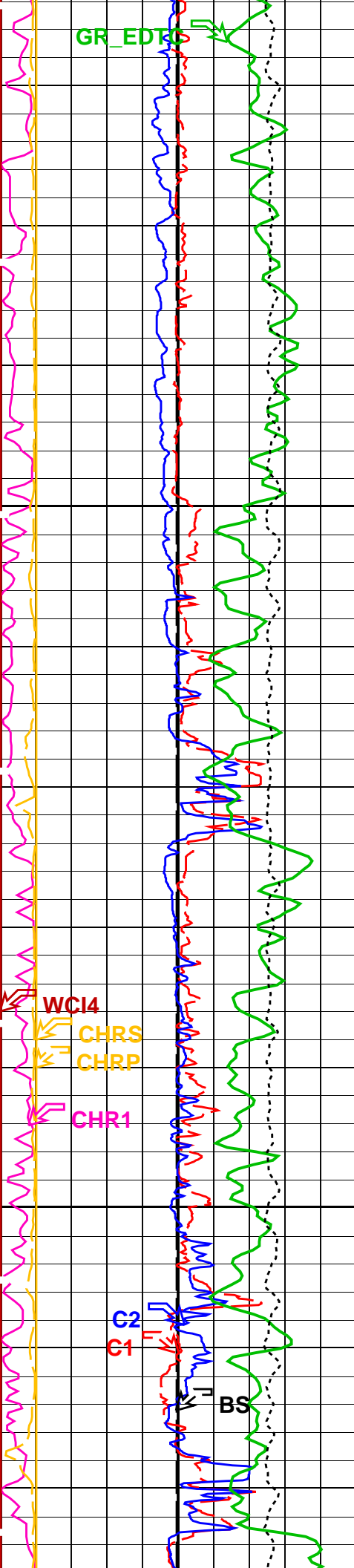
25

50

75

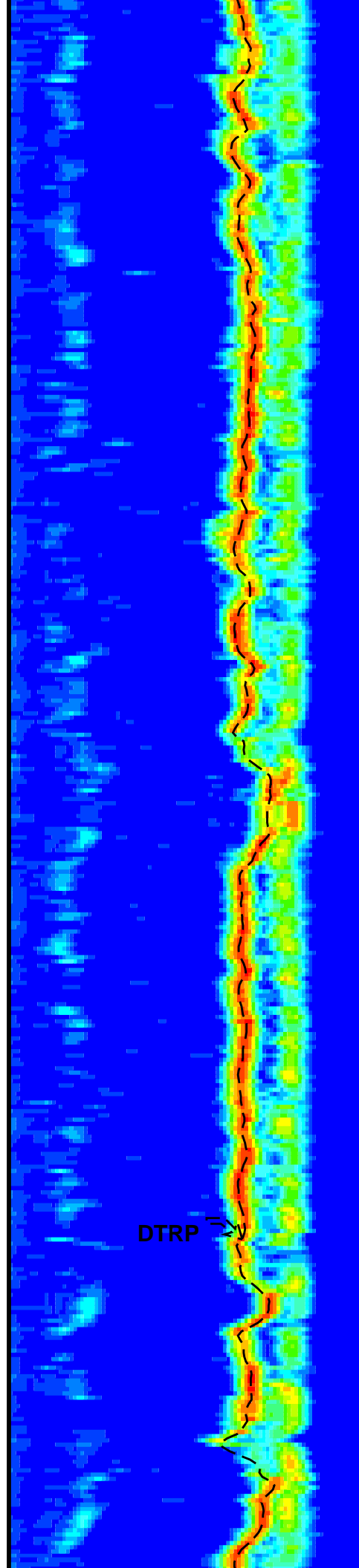






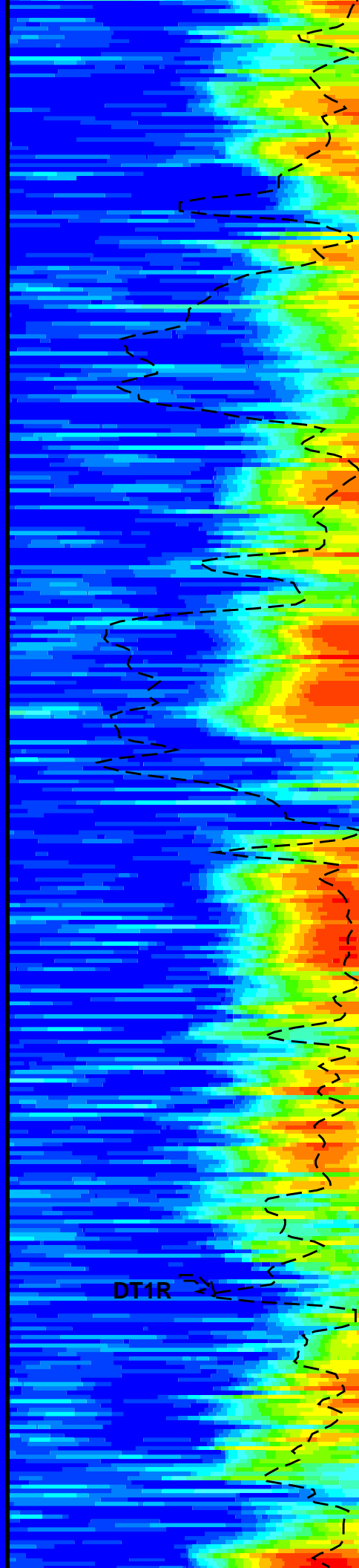
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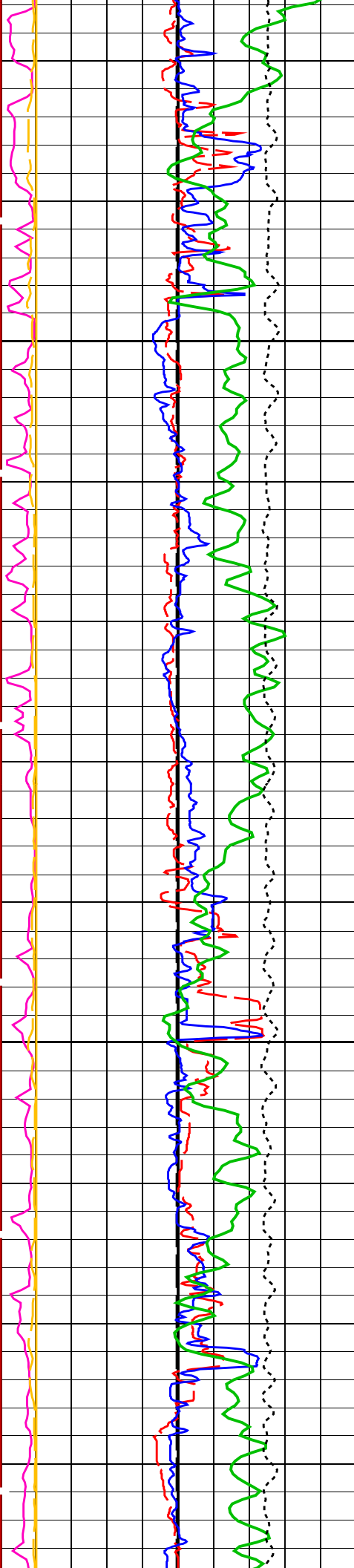
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DTRP

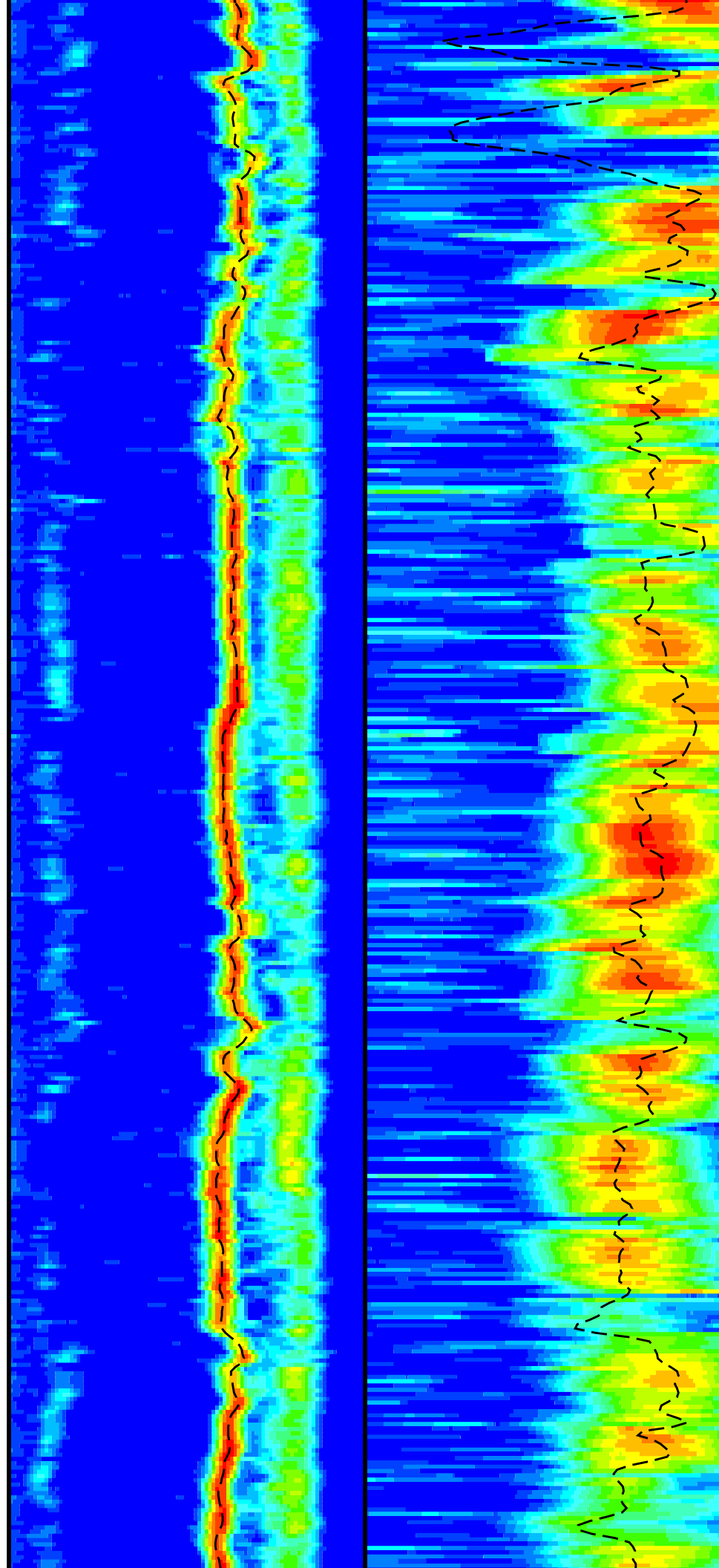
DT1R

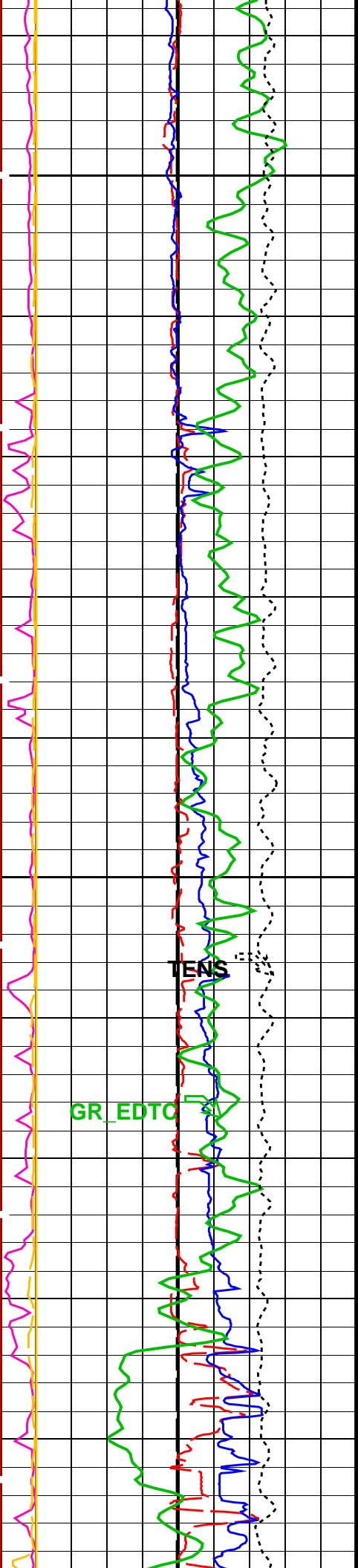




200

225

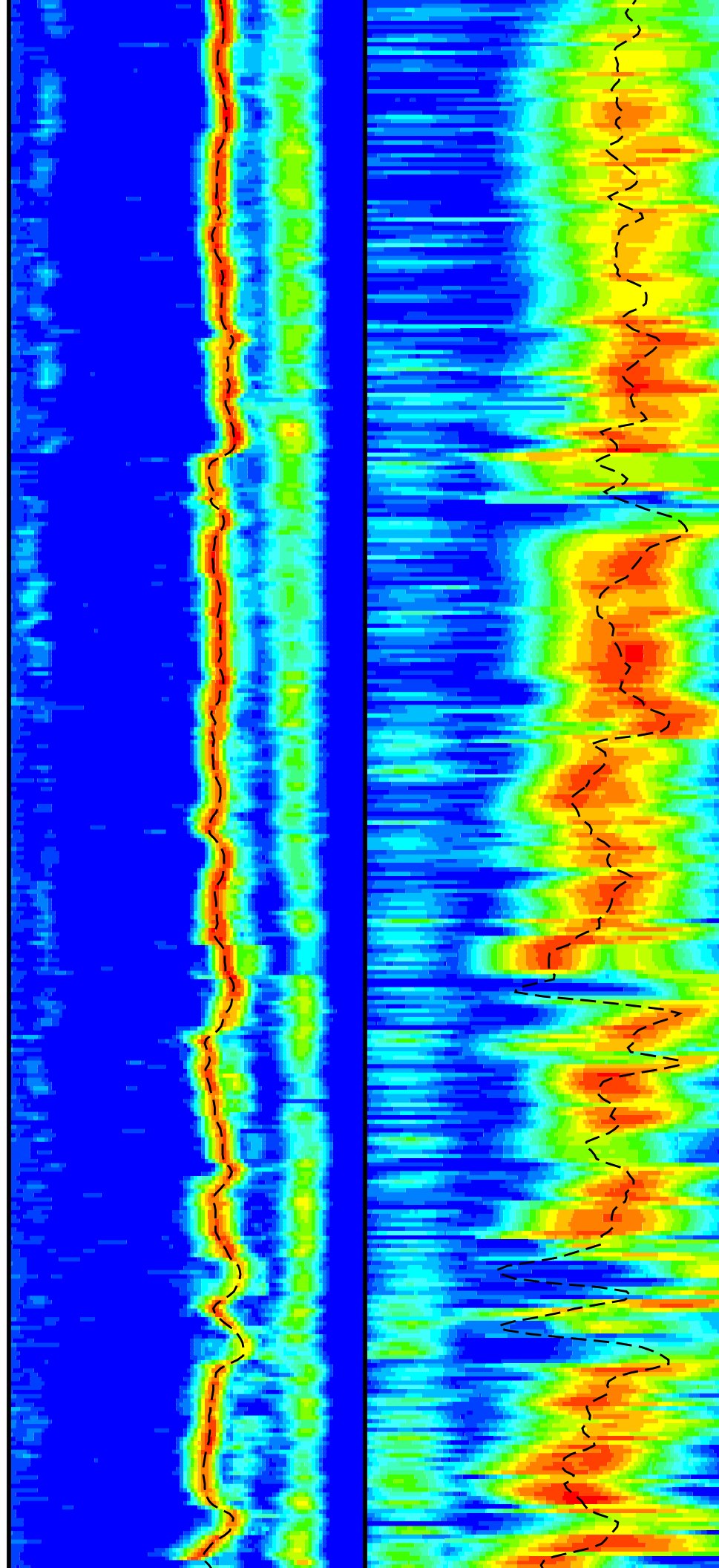


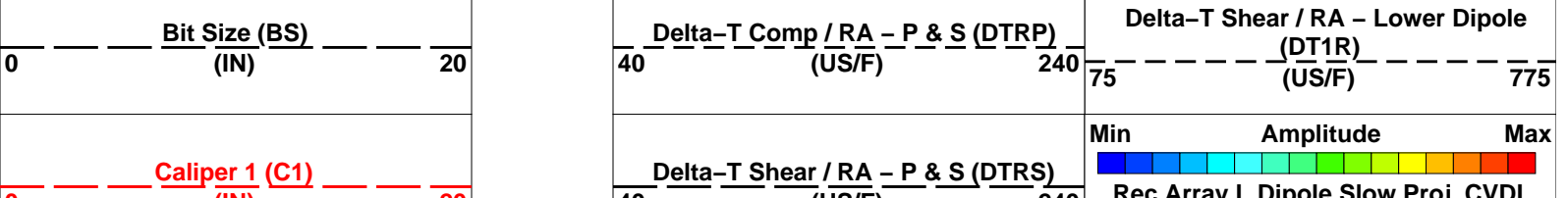
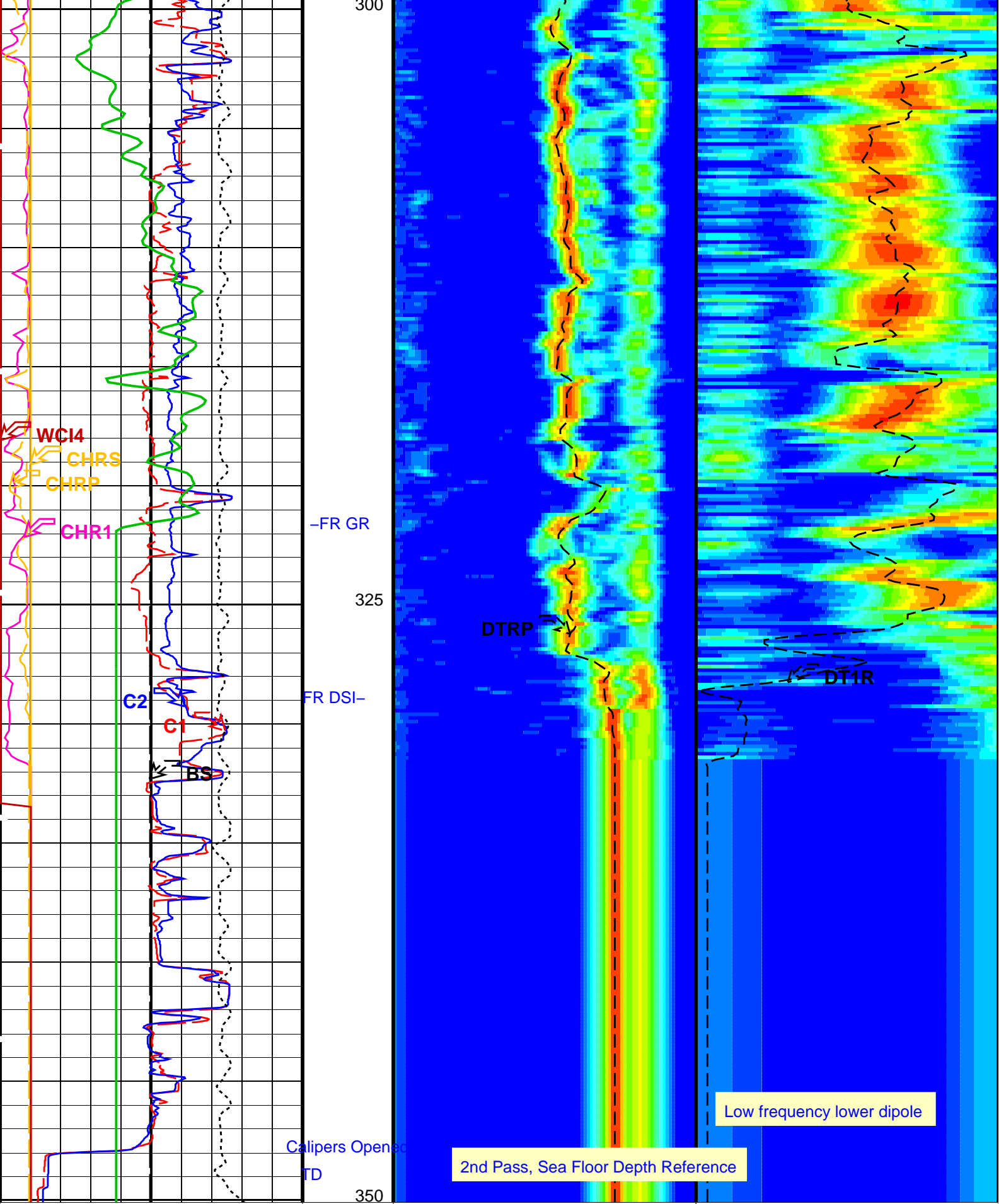


250

275

280





(IN)	20	40	(US/F)	240	Rec.Array L.Dipole Slow Proj. CVDL (SPR1)	75	(US/F)	775
Caliper 2 (C2)		Min		Amplitude		Max		
0	(IN)	20						
Tension (TENS)		Rec.Array P&S Slow Proj. CVDL (SPR4)		40		(US/F)		240
10000	(LBF)	0						
Gamma Ray (GR_EDTC)								
0	(GAPI)	75						
Peak Coherence / RA – Lower Dipole (CHR1)								
0	(----	10						
Peak Coherence / RA – P & S Comp (CHRP)								
0	(----	10						
Peak Coherence / RA – P & S Shear (CHRS)								
-1	(----	9						
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)								
0	(----	10						

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
DDE1	Digitizing Delay 1	0	US
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source – Dipole Shear	USE	
DSHL	Label Slowness Lower Limit – Dipole Shear	75	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	775	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DTF	Delta-T Fluid	189	US/F
DWC1	Digitizer Word Count 1	512	
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
LTXG	Lower Dipole Transmitter Geometry	156	IN
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI1	Number Waveform Items 1	8	
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	0	
RSMN	Label Shear/Compressional Minimum Ratio – Monopole P&S	1.4	
RSMX	Label Shear/Compressional Maximum Ratio – Monopole P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN	
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S	EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	

SAS1	STC Sonic Array Status – Lower Dipole	255	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3–1.5K	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	230	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F
SLL1	STC Slowness Lower Limit – Lower Dipole	75	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL1	STC Slowness Upper Limit – Lower Dipole	775	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST1	STC Time Step – Lower Dipole	200	US
TST4	STC Time Step – Monopole P&S	50	US
TUL1	STC Time Upper Limit – Lower Dipole	15912.5	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
BHS	EDTC–B: Enhanced DTS Cartridge Borehole Status	OPEN	
BS	System and Miscellaneous Bit Size	9.875	IN
DO	Depth Offset for Playback	–1005.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06–Jan–2012 08:19

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_023LUP	FN:34	PRODUCER	05–Jan–2012 07:56	1355.1 M	994.0 M
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Output DLIS Files

DEFAULT	FMS_DSI_026PUP	FN:38	PRODUCER	06–Jan–2012 08:18		
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Company: Lamont Doherty Well: Expedition 339, Site U1390 GC–02B

Input DLIS Files

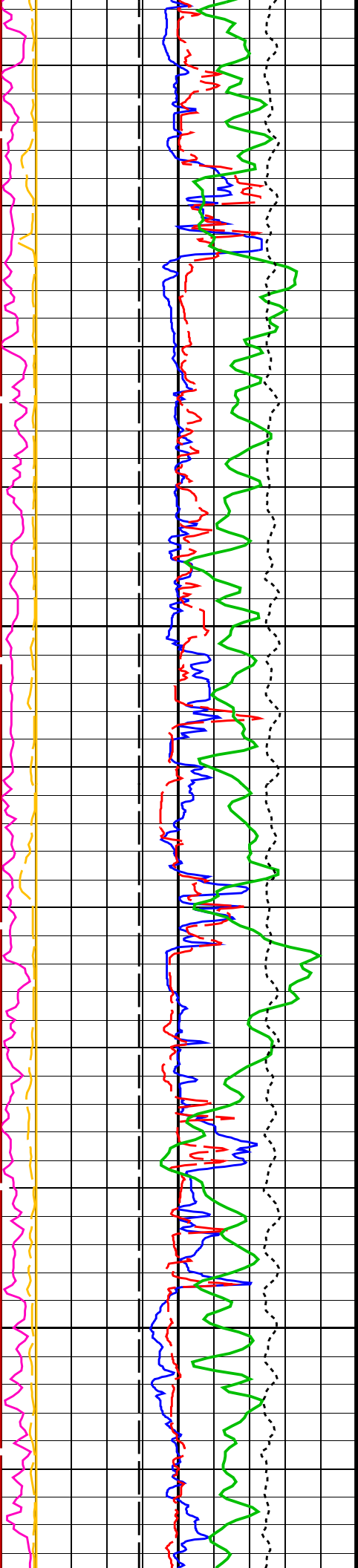
DEFAULT	FMS_DSI_022LUP	FN:32	PRODUCER	05–Jan–2012 07:19	1355.1 M	1132.5 M
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Output DLIS Files

DEFAULT	FMS_DSI_025PUP	FN:37	PRODUCER	06–Jan–2012 08:17	350.1 M	127.7 M
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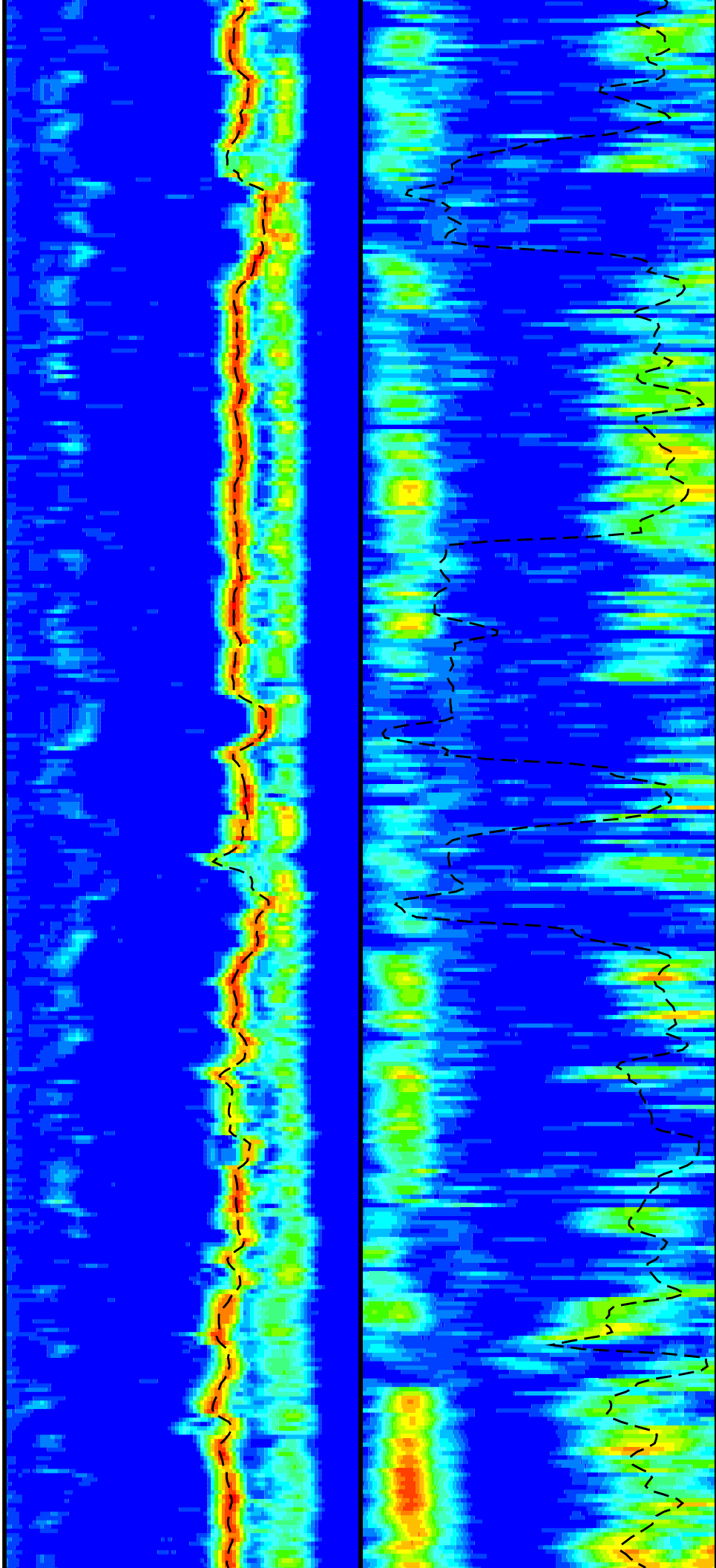
OP System Version: 19C0–187

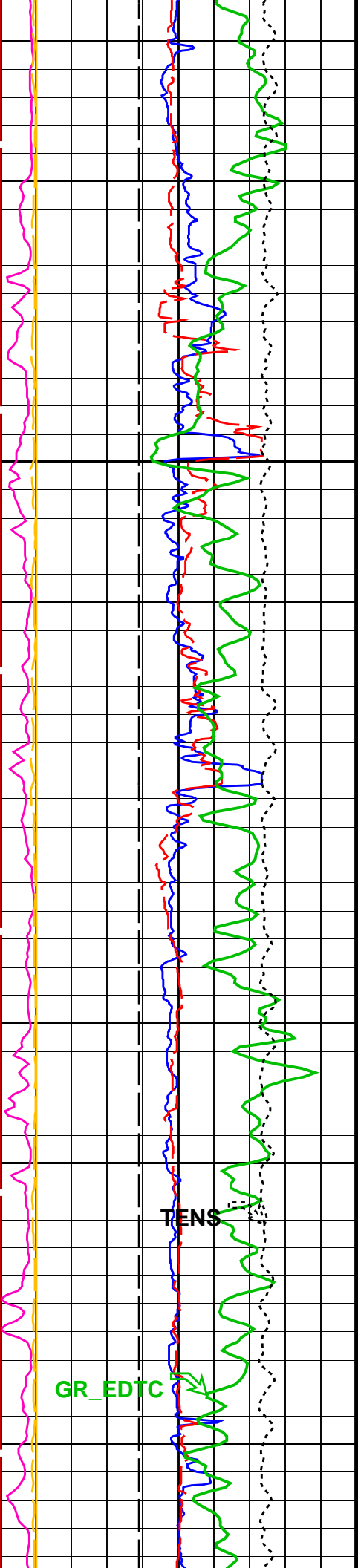
MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	EDTC–B	19C0–187



175

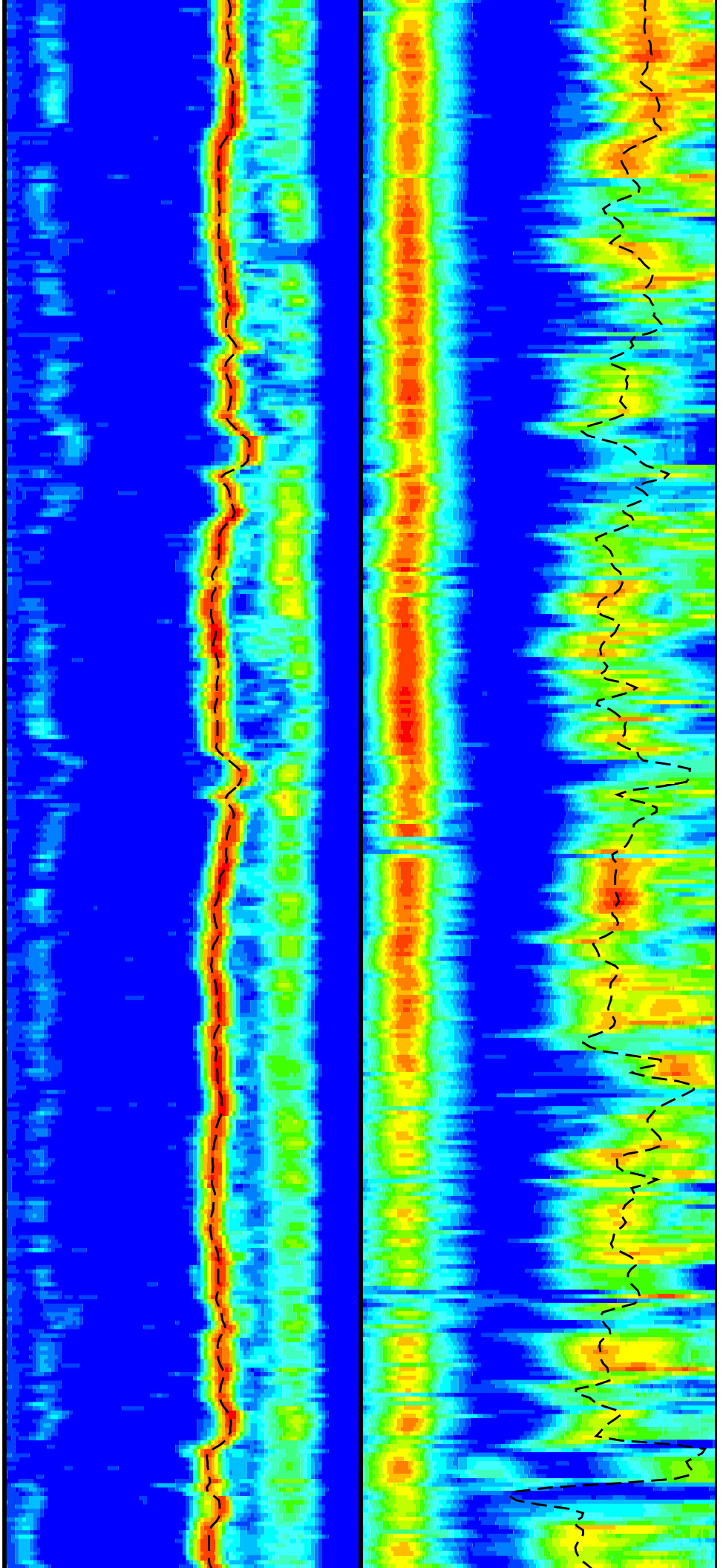
200

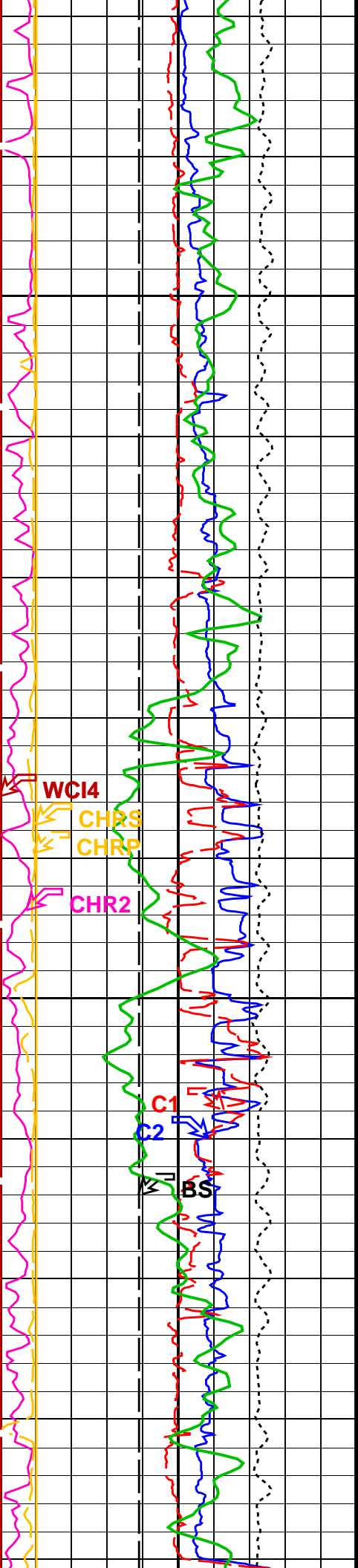




225

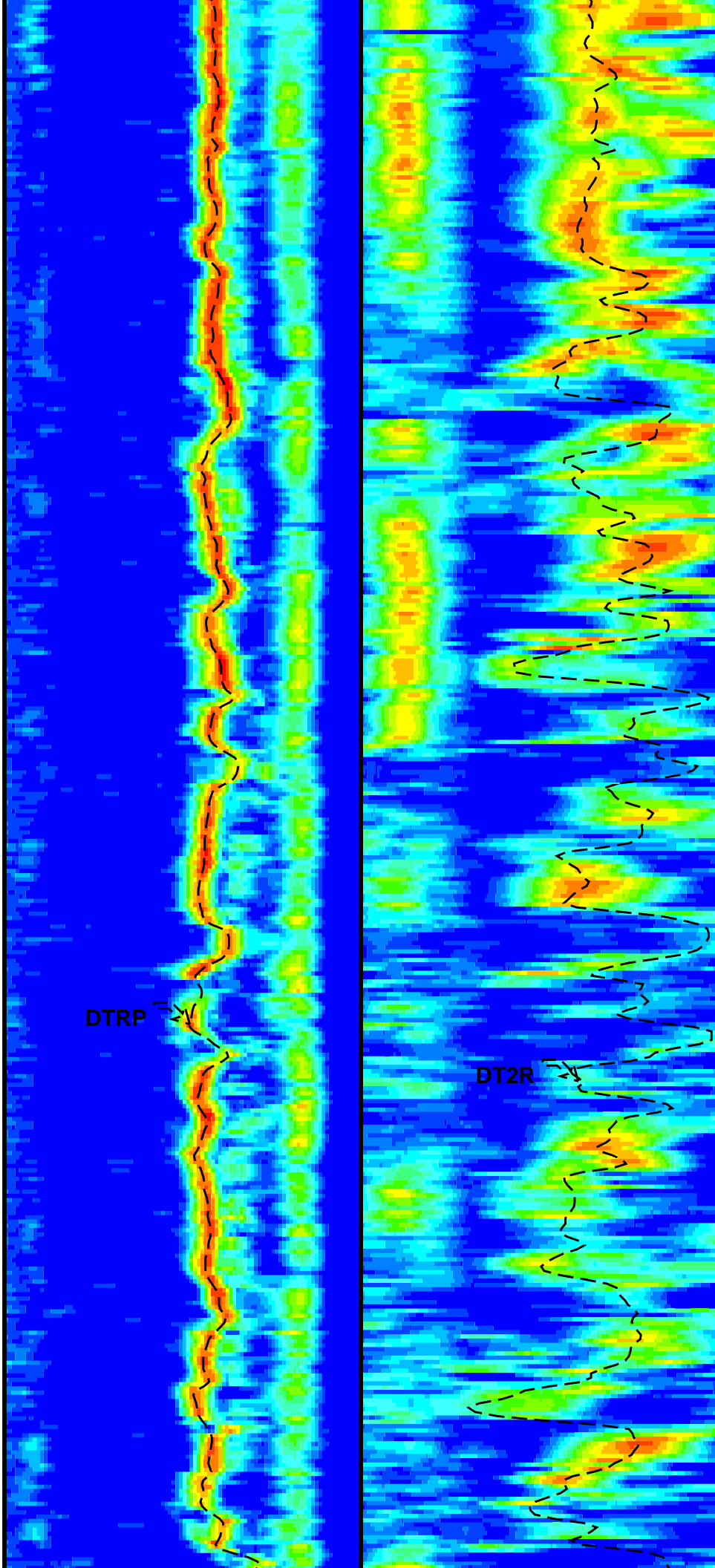
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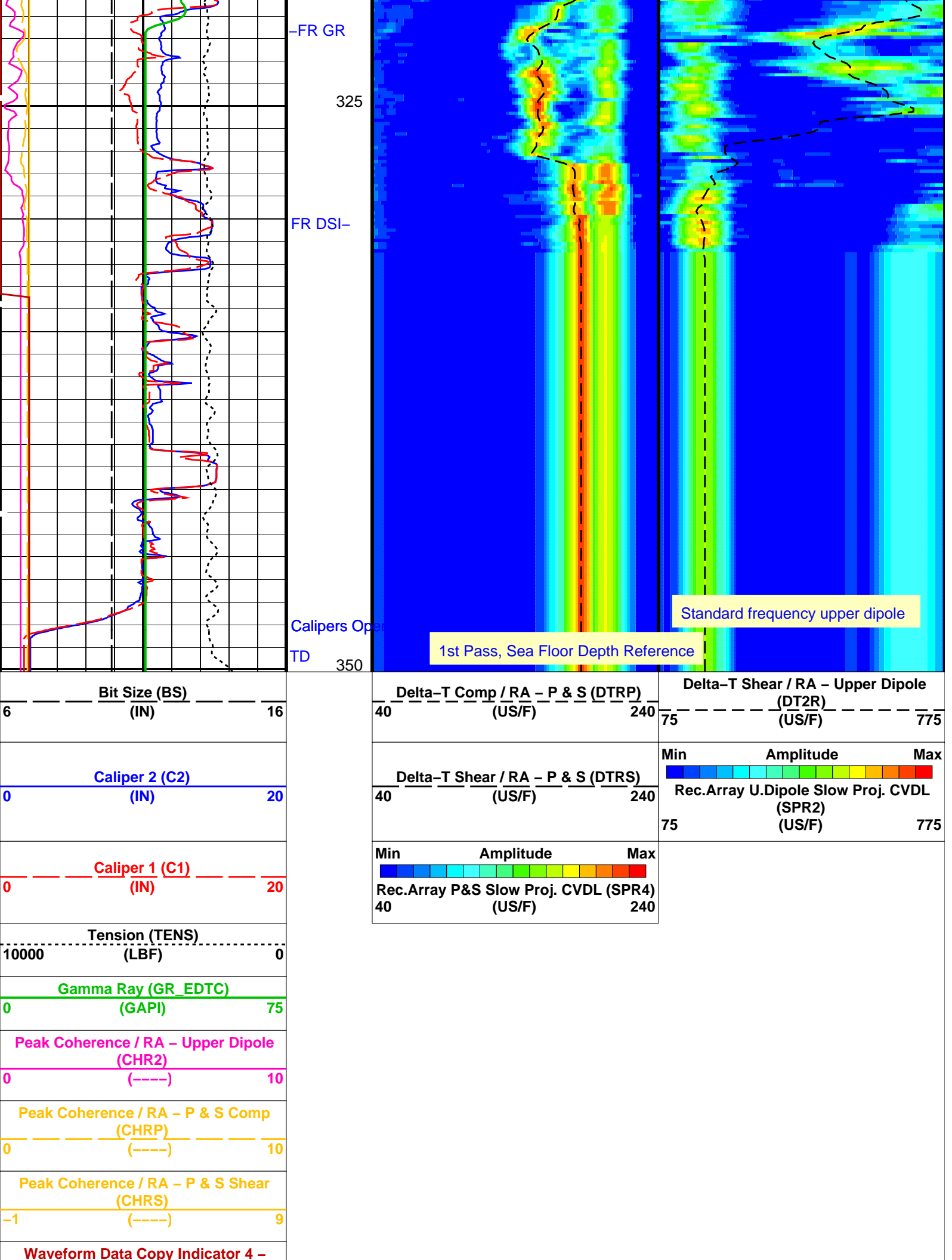




275

300





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
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

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	–1005.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06–Jan–2012 08:17

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_022LUP	FN:32	PRODUCER	05–Jan–2012 07:19	1355.1 M	1132.5 M
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Output DLIS Files

DEFAULT	FMS_DSI_025PUP	FN:37	PRODUCER	06–Jan–2012 08:17		
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Company: Lamont Doherty Well: Expedition 339, Site U1390 GC–02B

Input DLIS Files

DEFAULT	FMS_DSI_022LUP	FN:32	PRODUCER	05–Jan–2012 07:19	1355.1 M	1132.5 M
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Output DLIS Files

DEFAULT	FMS_DSI_025PUP	FN:37	PRODUCER	06–Jan–2012 08:17	350.1 M	127.7 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

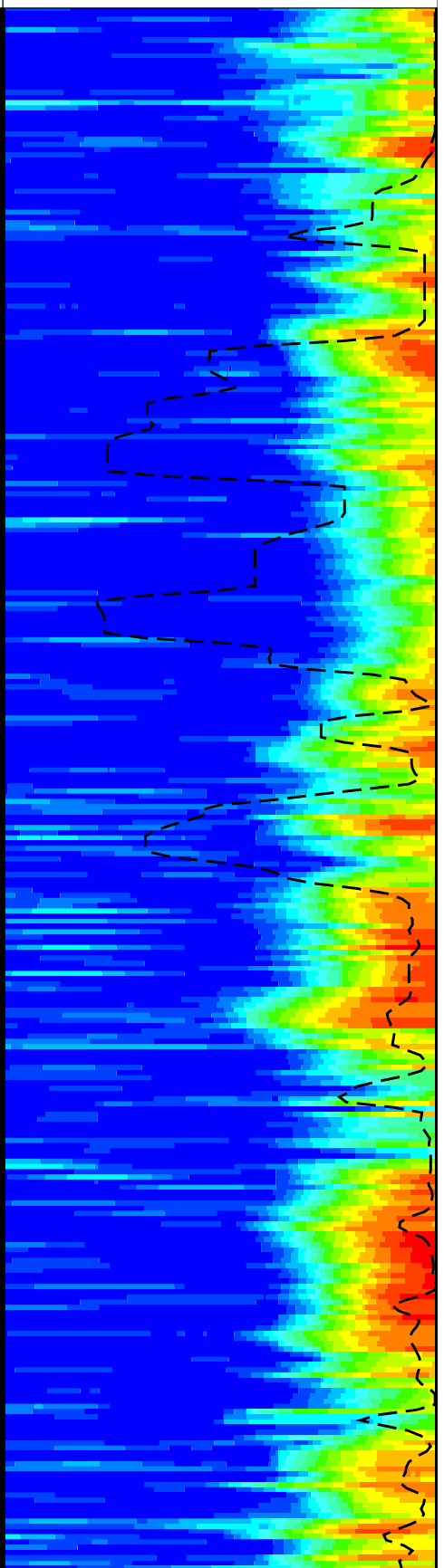
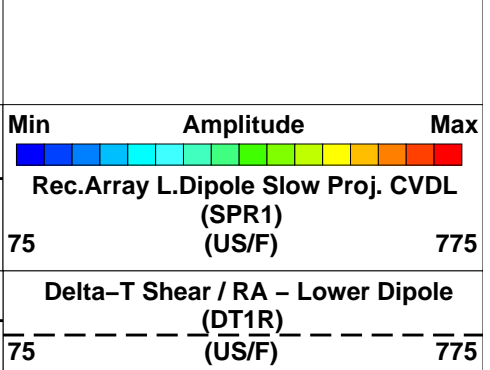
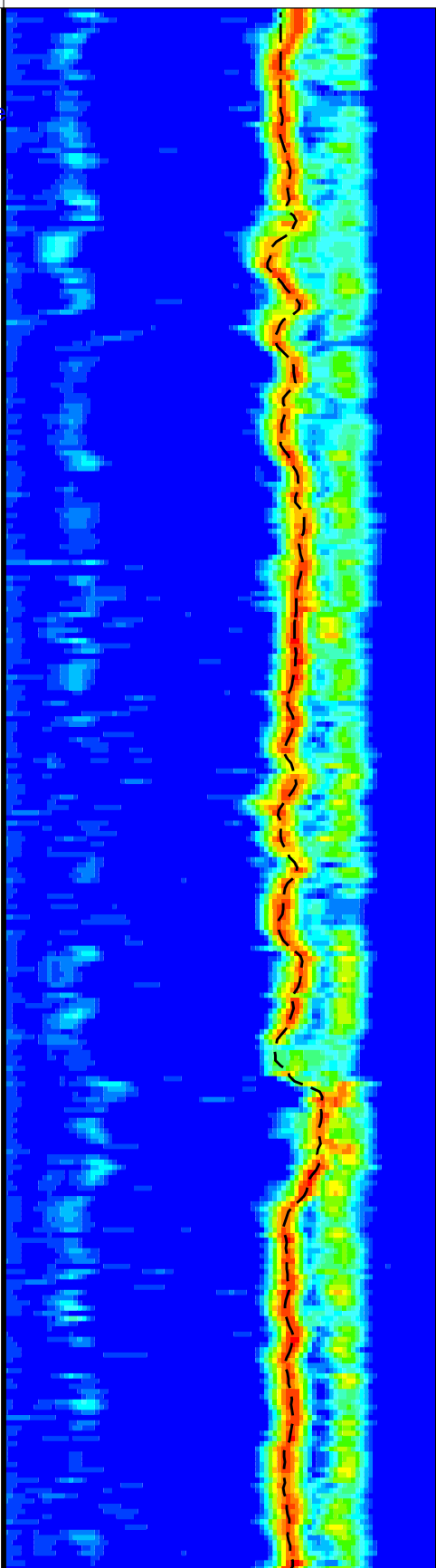
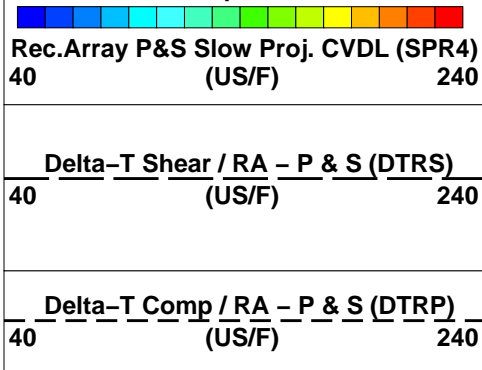
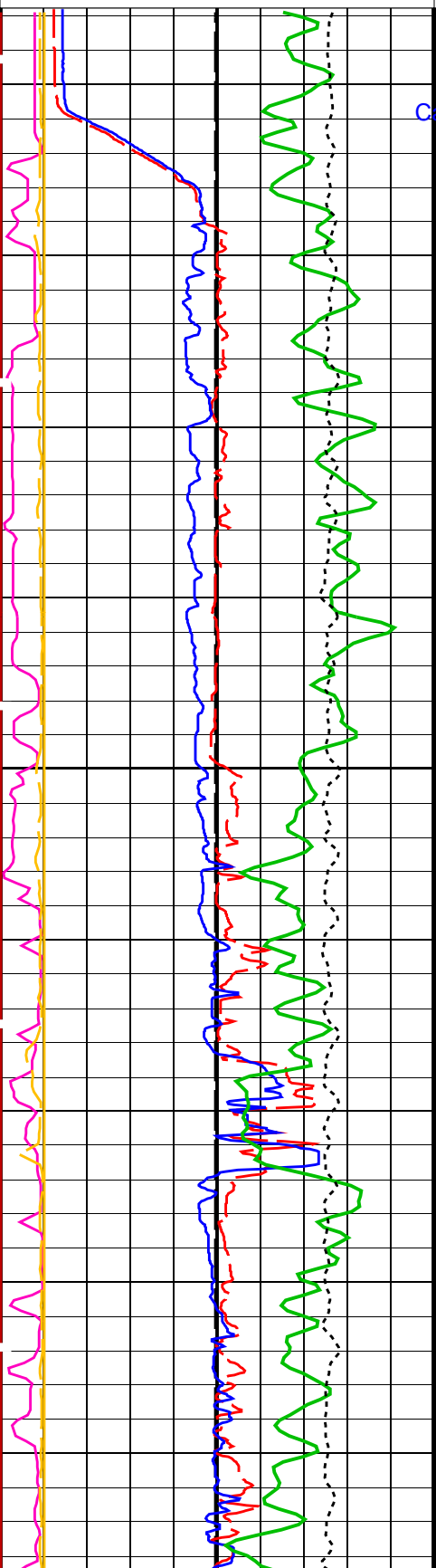
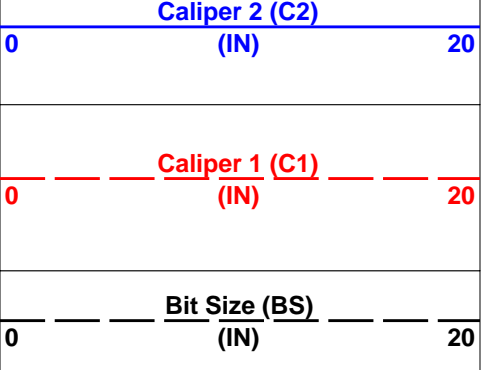
☒ Time Mark Every 60 S

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 – Lower Dipole (CHR1)		
0	(-----)	10
Gamma Ray (GR_EDTC) (GAPI)		
0		75
Tension (TENS) (LBF)		
10000		0

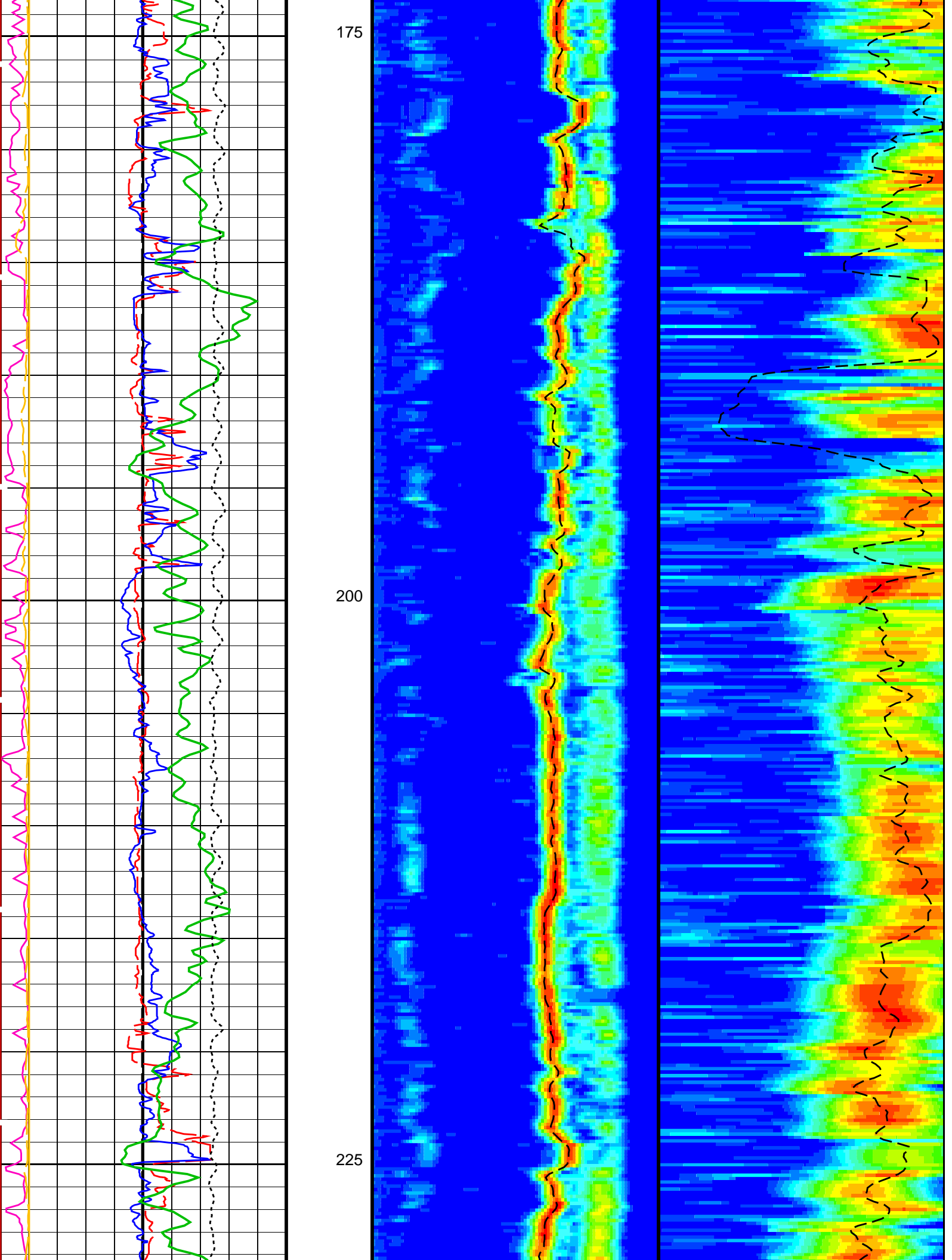
1st Pass, Sea Floor Depth Reference

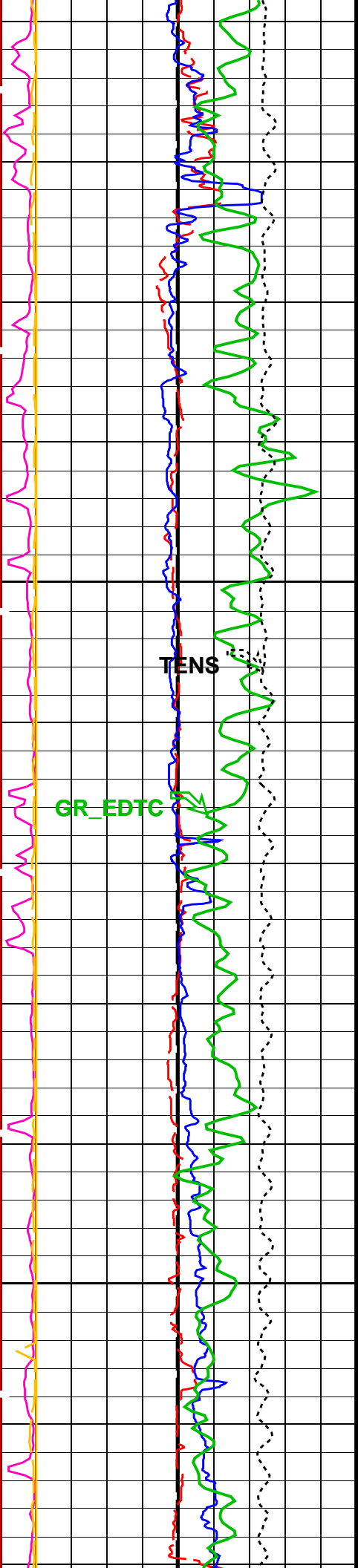
Low Frequency Lower Dipole

Min	Amplitude	Max
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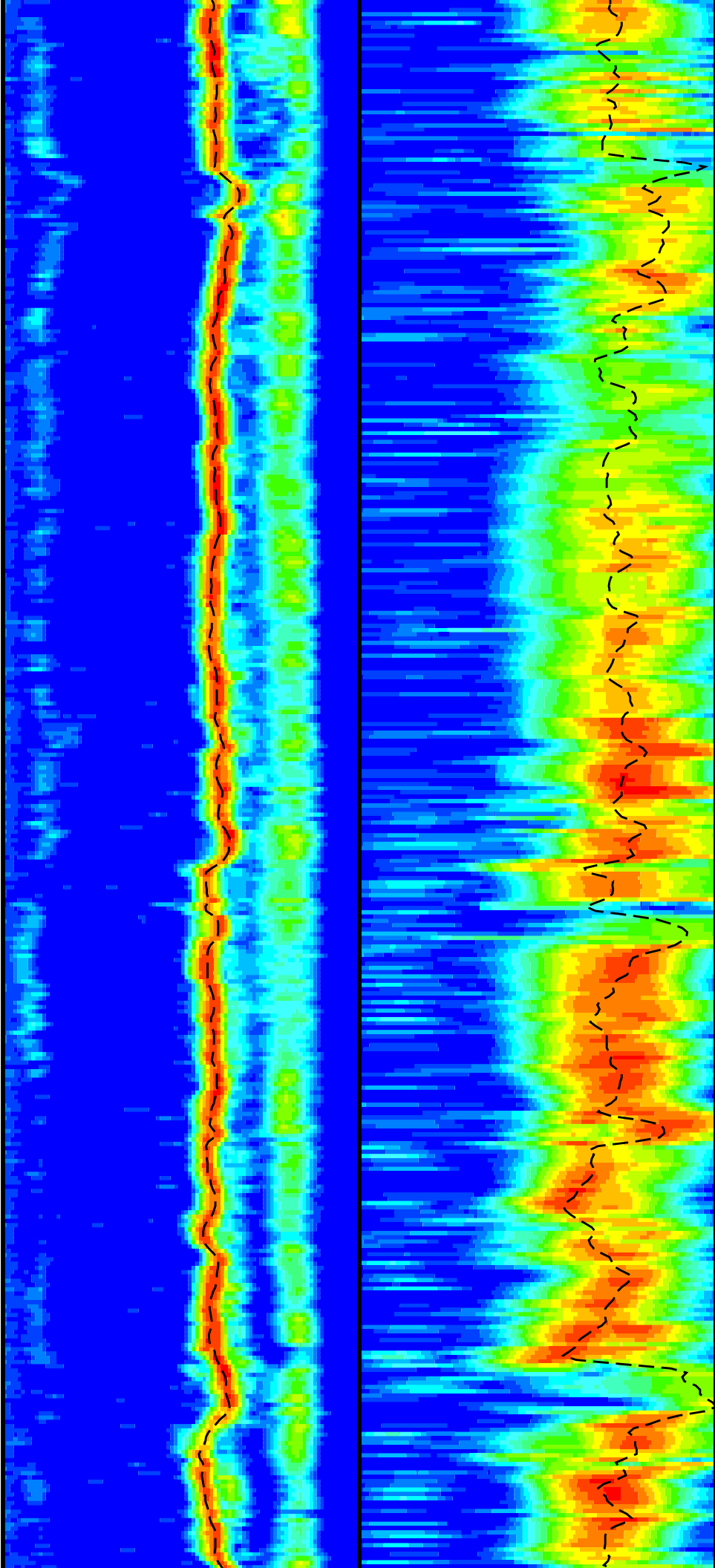
150

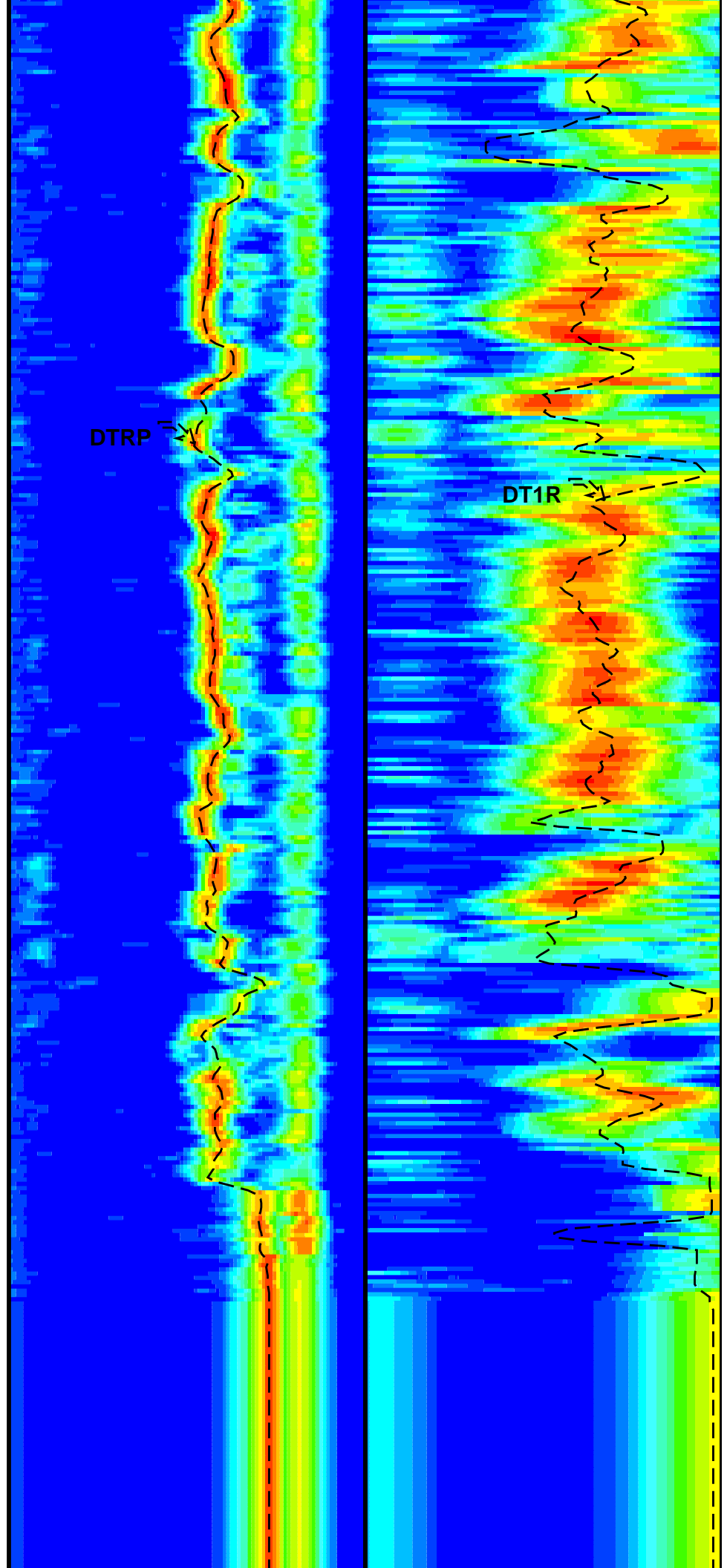
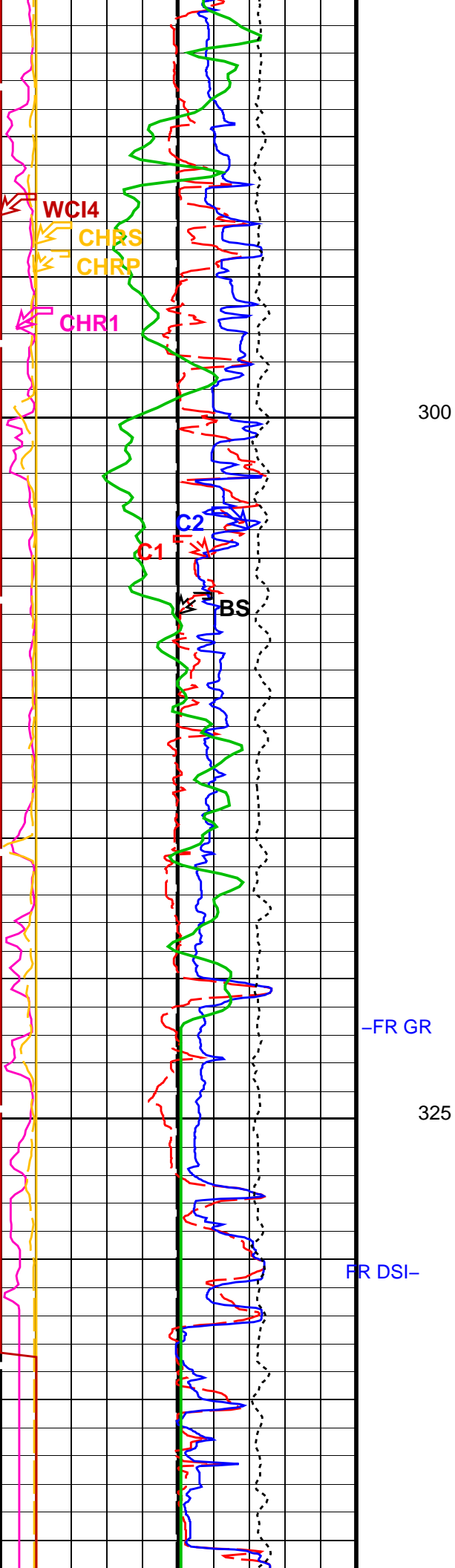


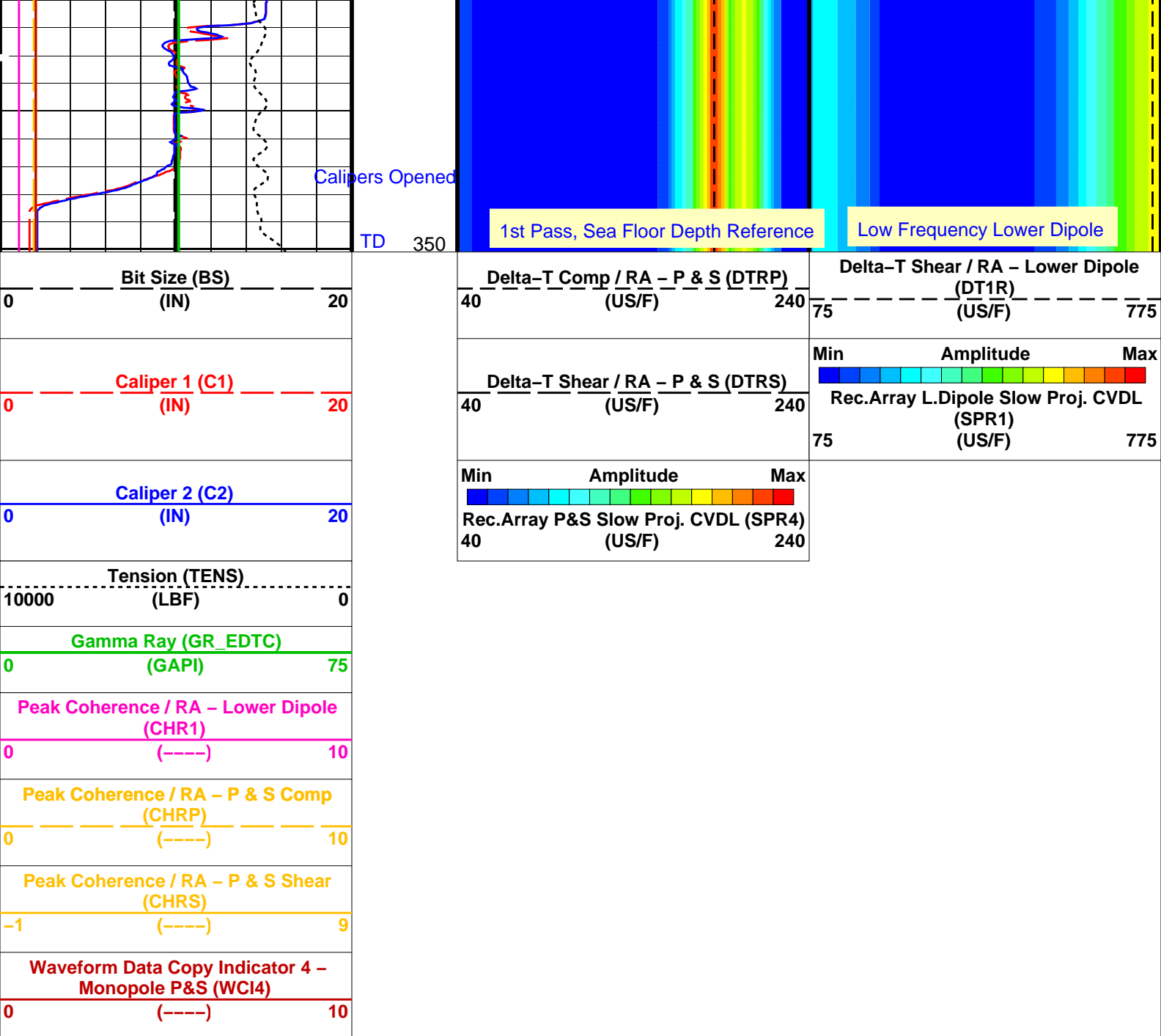


250

275







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
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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
DDE1	Digitizing Delay 1	0 US
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	75 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	775 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DTF	Delta-T Fluid	189 US/F
DWC1	Digitizer Word Count 1	512
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	512

FILG	Label Fill Gap Control – Monopole P&S	COMP	SHEAR	
LFC	Label Formation Character – Monopole P&S	DYNAMIC		
LTXG	Lower Dipole Transmitter Geometry	156	IN	
MCS	Mean Casing Slowness	57	US/F	
MTXG	Monopole Transmitter Geometry	186	IN	
NWI1	Number Waveform Items 1	8		
NWI4	Number Waveform Items 4	8		
NWIX	Number Waveform Items X	0		
RSMN	Label Shear/Compressional Minimum Ratio – Monopole P&S	1.4		
RSMX	Label Shear/Compressional Maximum Ratio – Monopole P&S	2.12		
RX1G	Receiver 1 Geometry	294	IN	
RX2G	Receiver 2 Geometry	300	IN	
RX3G	Receiver 3 Geometry	306	IN	
RX4G	Receiver 4 Geometry	312	IN	
RX5G	Receiver 5 Geometry	318	IN	
RX6G	Receiver 6 Geometry	324	IN	
RX7G	Receiver 7 Geometry	330	IN	
RX8G	Receiver 8 Geometry	336	IN	
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN		
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S	EVEN		
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF		
SAS1	STC Sonic Array Status – Lower Dipole	255		
SAS4	STC Sonic Array Status – Monopole P&S	255		
SBO1	STC Search Band Offset – Lower Dipole	3000	US	
SBO4	STC Search Band Offset – Monopole P&S	500	US	
SBR4	STC Baseline Removal – Monopole P&S	ON		
SBW1	STC Search Bandwidth – Lower Dipole	8000	US	
SBW4	STC Search Bandwidth – Monopole P&S	2000	US	
SFC1	STC Formation Character – Lower Dipole	SELECTABLE		
SFC4	STC Formation Character – Monopole P&S	SELECTABLE		
SFM1	STC Filter – Lower Dipole	B.3–1.5K		
SFM4	STC Filter – Monopole P&S	B3–20K		
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	230	US/F	
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F	
SLL1	STC Slowness Lower Limit – Lower Dipole	75	US/F	
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F	
SST1	STC Slowness Step – Lower Dipole	4	US/F	
SST4	STC Slowness Step – Monopole P&S	2	US/F	
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1		
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4		
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F	
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F	
SUL1	STC Slowness Upper Limit – Lower Dipole	775	US/F	
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F	
SWD1	STC Slowness Width – Lower Dipole	40	US/F	
SWD4	STC Slowness Width – Monopole P&S	10	US/F	
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US	
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US	
TLL1	STC Time Lower Limit – Lower Dipole	600	US	
TLL4	STC Time Lower Limit – Monopole P&S	150	US	
TST1	STC Time Step – Lower Dipole	200	US	
TST4	STC Time Step – Monopole P&S	50	US	
TUL1	STC Time Upper Limit – Lower Dipole	15912.5	US	
TUL4	STC Time Upper Limit – Monopole P&S	3660	US	
TWD1	STC Time Width – Lower Dipole	2000	US	
TWD4	STC Time Width – Monopole P&S	1000	US	
TWI1	STC Integration Time Window – Lower Dipole	1600	US	
TWI4	STC Integration Time Window – Monopole P&S	500	US	
TWSX	Transmitter Waveform Select X	0		
WFM4	Waveform Mode 4	W1		
BHS	EDTC–B: Enhanced DTS Cartridge Borehole Status	OPEN		
BS	System and Miscellaneous Bit Size	9.875	IN	
DO	Depth Offset for Playback	–1005.0	M	
PP	Playback Processing	NORMAL		

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 06–Jan–2012 08:17

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_022LUP	FN:32	PRODUCER	05–Jan–2012 07:19	1355.1 M	1132.5 M
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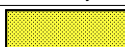


Output DLIS Files

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: 5-Jan-2012 5:37							
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: 5-Jan-2012 5:37							
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: 2-Jan-2012 1:11							
EDTC Z-Axis Acceleration	9.810	N/A	9.755	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 27-Dec-2011 9:12							
Gamma Ray (Jig – Bkg)	160.1	N/A	160.1	N/A	N/A	14.56	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 – AC	GPIC – AC		
MEST Acquisition Cartridge – A	MEAC – A	875	
Auxiliary Equipment:			
MEST-B Preamplifier Cartridge Housing	MEPH – A	702	
MEST Acquisition Cartridge Housing (Slim	MEAH – B	726	

Enhanced DTS Cartridge / Equipment Identification			
Primary Equipment:			
EDTC Gamma Ray Detector	EDTG – A/B	8305	
Enhanced DTS Cartridge	EDTC – B	8317	
Auxiliary Equipment:			
EDTC Housing	EDTH – B	8303	

Enhanced DTS Cartridge Wellsite Calibration			
EDTC Accelerometer Calibration			
Phase	EDTC Z-Axis Acceleration M/S2		Value
Before			9.755
	9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)
Before: 2-Jan-2012 1:11			

Detector Calibration														
Phase	Gamma Ray Background GAPI			Value	Phase	Gamma Ray (Jig – Bkg) GAPI			Value	Phase	Gamma Ray (Calibrated) GAPI			Value
Before				6.619	Before				160.1	Before				164.0
0		30.00		120.0	145.6		160.1		174.7	149.0		164.0		179.0
(Minimum)		(Nominal)		(Maximum)	(Minimum)		(Nominal)		(Maximum)	(Minimum)		(Nominal)		(Maximum)
Before: 27-Dec-2011 9:12														

Company: **Lamont Doherty**



Well: **Expedition 339, Site U1390 GC-02B**
Field: **Mediterranean Outflow (Portugal)**
Rig: **JOIDES Resolution**
Ocean: **Atlantic**

Dipole Shear Sonic
P&S Compressional, Upper/Lower Dipole
Gamma Ray