



Company: **Lamont Doherty**

Well: **Expedition 317 Site U1352B**

Field: **Canterbury Basin**

Rig: **JOIDES Resolution** Ocean: **Pacific**

Dipole Shear Sonic (DSI)

Rig: JOIDES Resolution			
Field: Canterbury Basin			
Location: Latitude: S 44° 56.244'			
Well: Expedition 317 Site U1352B			
Company: Lamont Doherty			
LOCATION	Latitude: S 44° 56.244'	Elev.: K.B. -355.50 m	Longitude: E 172° 01.362'
	Longitude: E 172° 01.362'	G.L. 0.00 m	
Permanent Datum: Sea Floor _____ Log Measured From: _____ Drilling Measured From: _____	Sea Floor _____	Elev.: 0.00 m	D.F. -355.50 m
	Drill Floor _____	0.00 m above Perm. Datum	
	Drill Floor _____		
API Serial No.	Max. Hole Devi. 0 deg	Longitude S 44° 56.244'	Latitude E 172° 01.362'

Logging Date	4-Dec-2009	
Run Number	2	
Depth Driller	830 m	
Schlumberger Depth	438.5 m	
Bottom Log Interval	421.5 m	
Top Log Interval	80.7 m	
Casing Driller Size @ Depth	4.500 in @ 81.1 m	
Casing Schlumberger	80.7 m	
Bit Size	11.438 in	
Type Fluid In Hole	Seawater	
Density	1.02 g/cm3	
Fluid Loss	PH	
Source Of Sample	N/A	
RM @ Measured Temperature	@ @	
RMF @ Measured Temperature	@ @	
RMC @ Measured Temperature	@ @	
Source RMF	RMC	N/A
RM @ MRT	RMF @ MRT	@ @
Maximum Recorded Temperatures	15 degC @ 15	@ @
Circulation Stopped	4-Dec-2009 Time 23:00	
Logger On Bottom	5-Dec-2009 Time 03:15	
Unit Number	625003	Houston
Recorded By	C. Furman	
Witnessed By	A. Slagle, G. Guerin	

Logging Date		Run 1	Run 2	F
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				
Fluid Loss				
Source Of Sample				
RM @ Measured Temperature		@	@	
RMF @ Measured Temperature		@	@	
RMC @ Measured Temperature		@	@	
Source RMF	RMC			
RM @ MRT	RMF @ MRT	@	@	
Maximum Recorded Temperatures				
Circulation Stopped				
Logger On Bottom				
Unit Number				
Recorded By				
Witnessed By				

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1
 OS1: FMS
 OS2: HNGS
 OS3: DIT
 OS4: APS/HLDS


REMARKS: RUN NUMBER 1

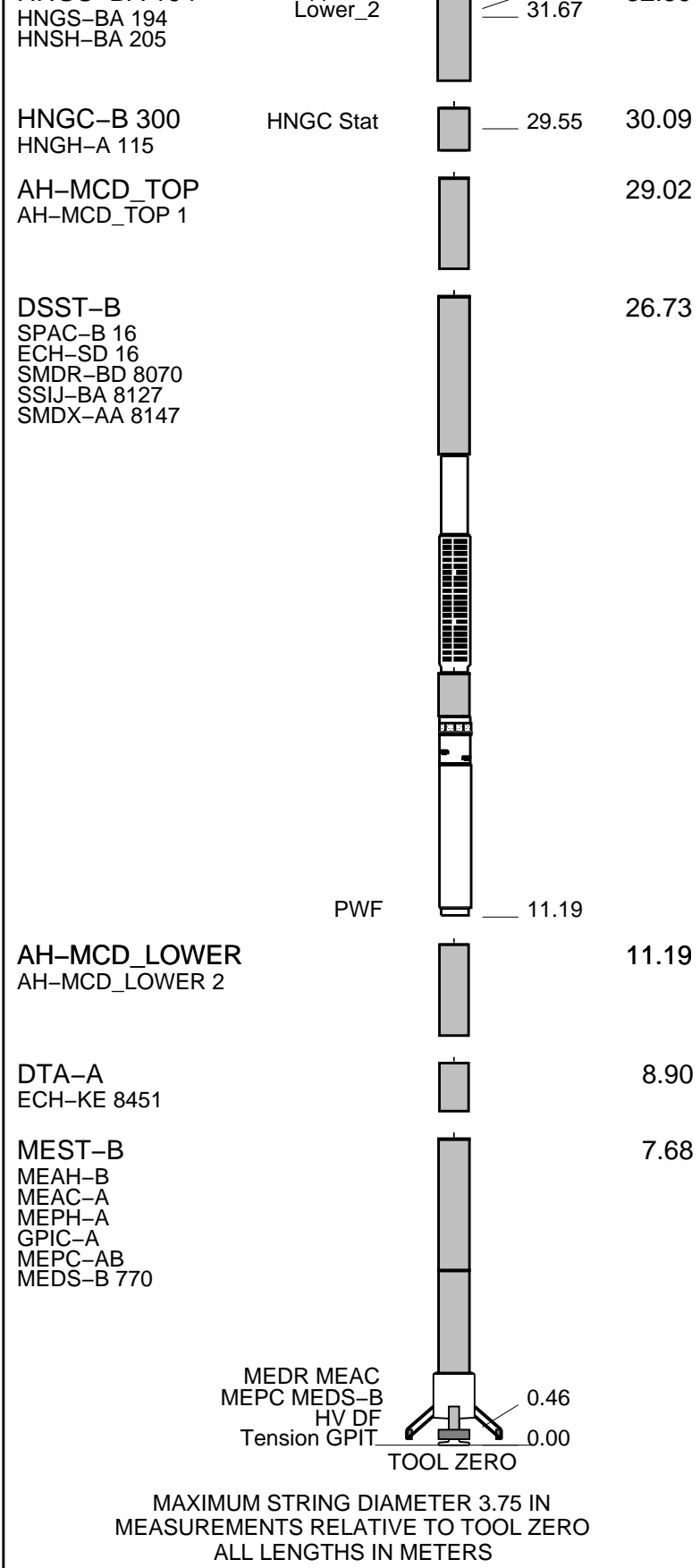
Logs run in second hole ("B" hole) of drilling site U1352 to aid in depth correlation of core data collected in surface labs.
 Average heave during the run was only 0.2m; Active Heave Compensator not used.
 TD was not reached – obstruction at 794m – with the pipe (bit) at 436.6mBRF. Sea Bed given as 354.6mBRF.
 Hole Size input taken from FMS Caliper.
 Tools run slick in order to fit through drill pipe, as is standard practice on this project.
 FMS Caliper closed and EMEX power deactivated at 476m to facilitate pipe entry.
 FMS EMEX power supply temporarily interrupted during second pass; FMS data not valid from 728.5m to 721.5m on second pass only.
 Depth "Zero" reference adjusted to Sea Bed picked by client.
 Depths shown are measured depth below sea floor, as per client request.

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1	RUN 2
SURFACE EQUIPMENT	
GSR-U 616008 WITM (DTS)-A	

DOWNHOLE EQUIPMENT			
LEH-QT		34.39	
LEH-QT			
DTC-H	CTEM	33.22	
ECH-KC 2304	TelStatus	32.59	33.50
	ToolStatu	32.59	
HNGS-BA 194	Upper_1	31.89	32.59



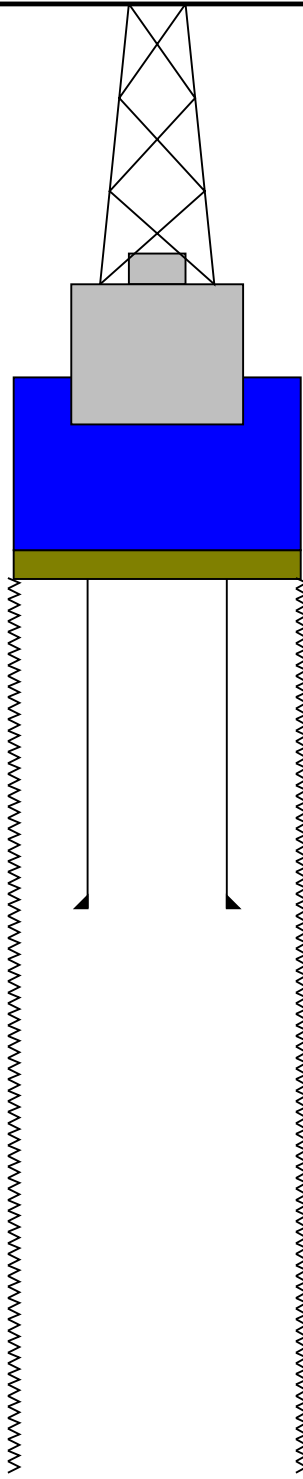
Production String	(in) (m)	Well Schematic	(m) (in)	Casing String
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Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

0.0
0.0

11.0



354.6

Sea Bed

436.6

5.500

Casing Shoe

1185.5

11.340

Total Depth - Driller

Schlumberger

Second Pass

MAXIS Field Log

Company: Lamont Doherty

Well: Expedition 317 Site U1352B

Input DLIS Files

DEFAULT	FMS_DSI_NGS_019LUP	FN:25	PRODUCER	06-Dec-2009 14:47	795.5 M	427.8 M
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Output DLIS Files

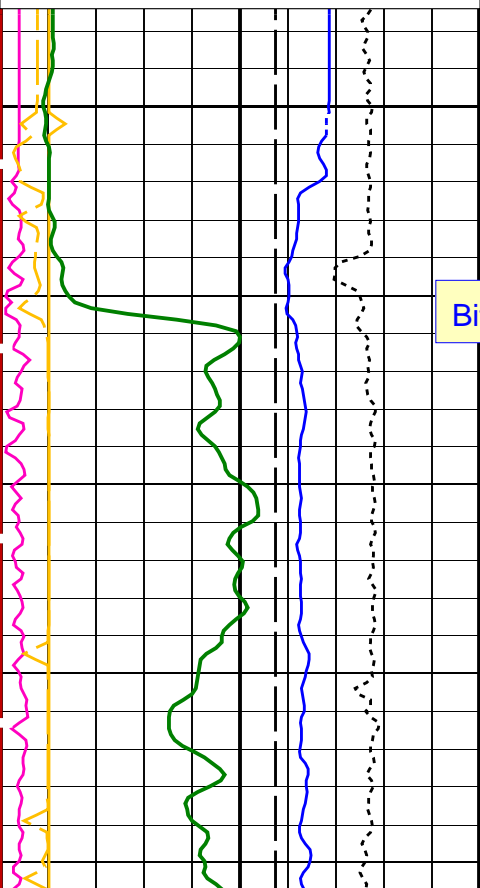
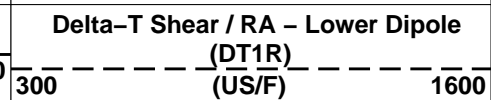
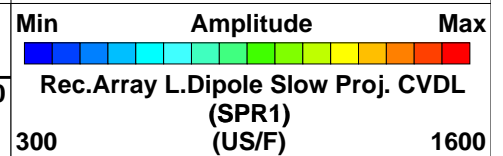
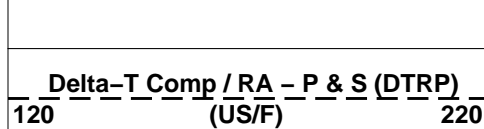
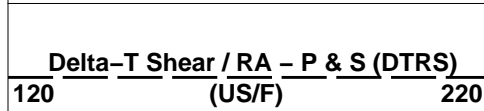
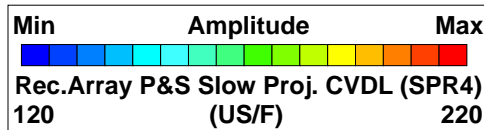
DEFAULT	FMS_DSI_NGS_045PUP	FN:53	PRODUCER	31-Dec-2009 23:05	438.9 M	72.4 M
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OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

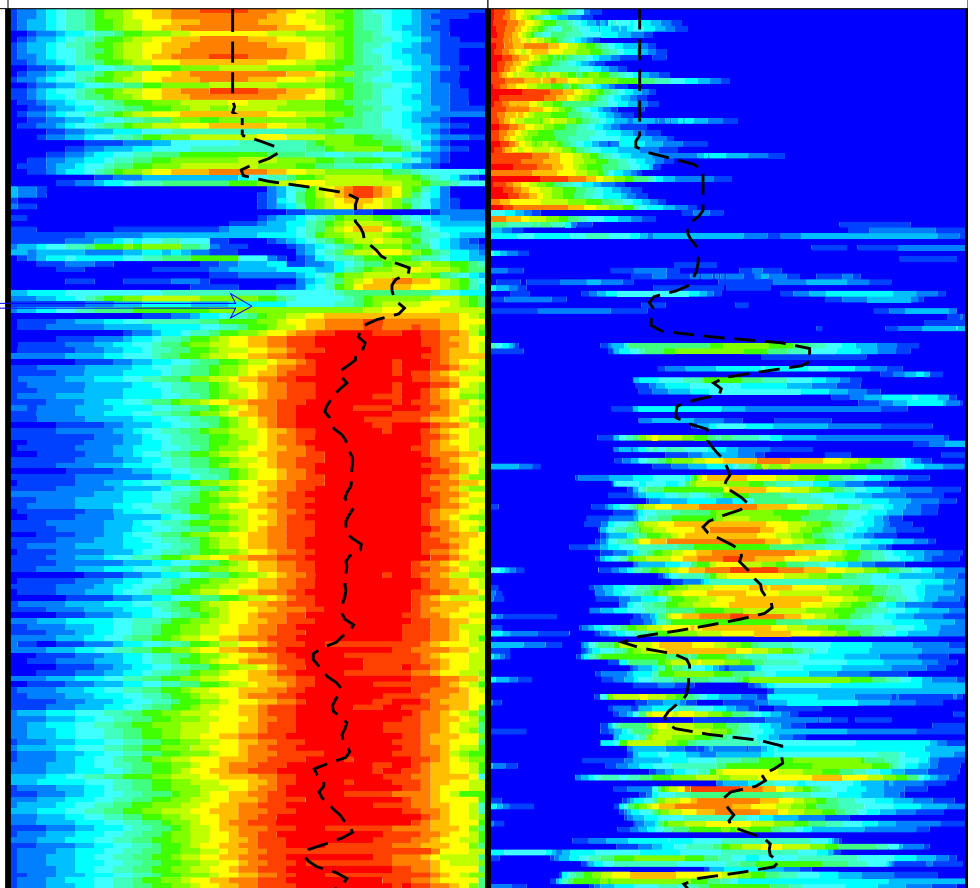
Time Mark Every 60 S

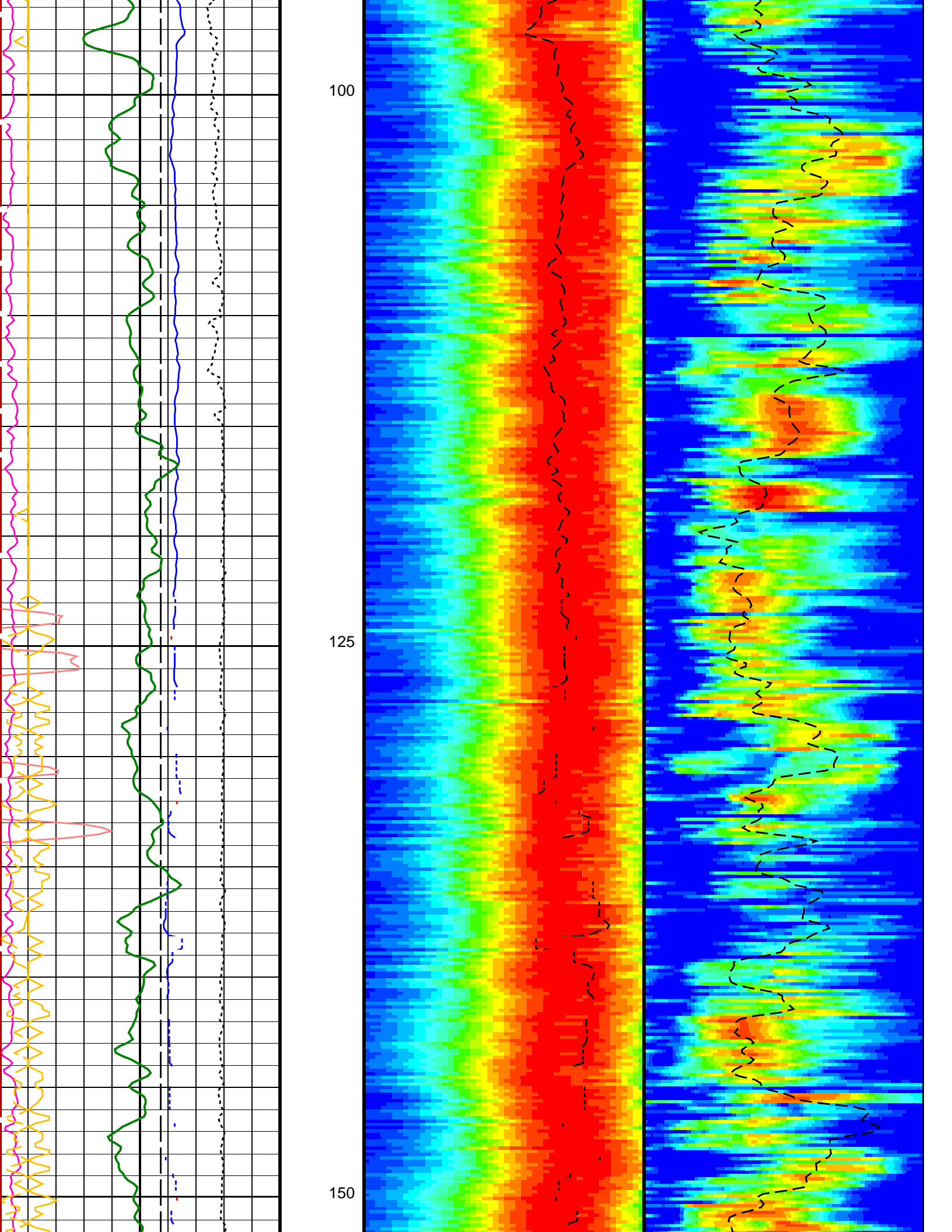
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)		
0	(-----)	10
Peak Coherence / RA – P & S Shear (CHRS)		
-1	(-----)	9
Peak Coherence / RA – P & S Comp (CHRP)		
0	(-----)	10
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(-----)	10
HNGS Computed Gamma Ray (HCGR)		
0	(GAPI)	100
Tension (TENS)		
10000	(LBF)	0
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)		
0	(IN)	20

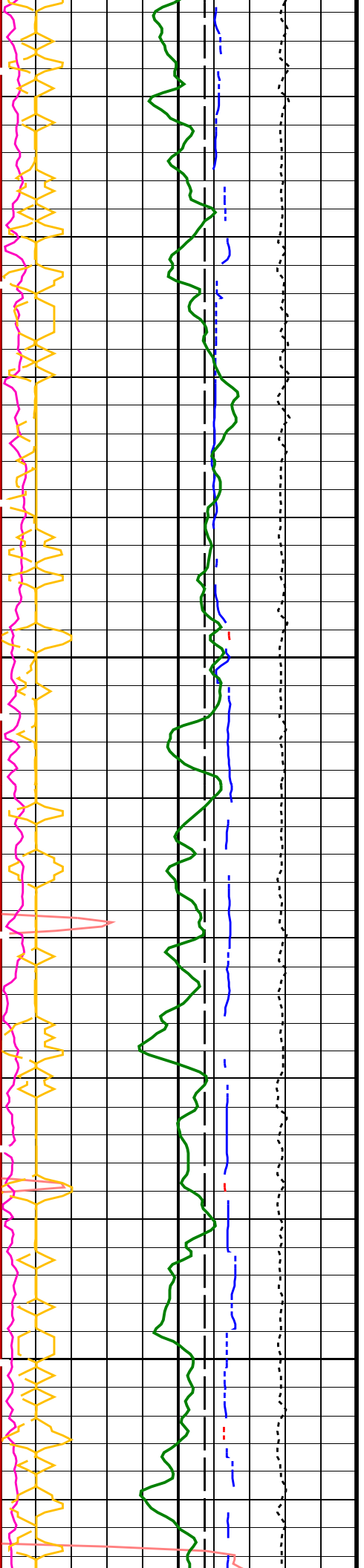


75

Bit

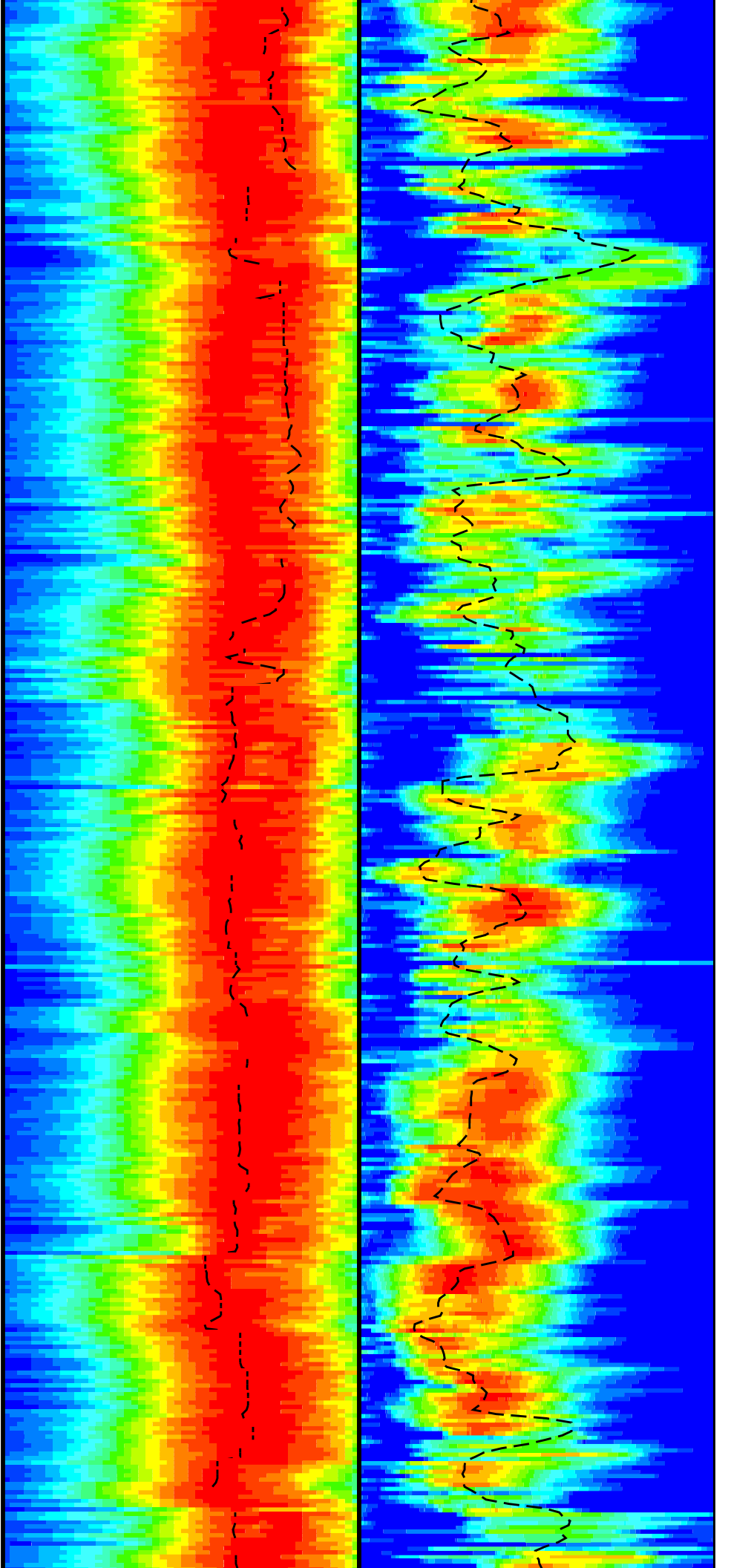


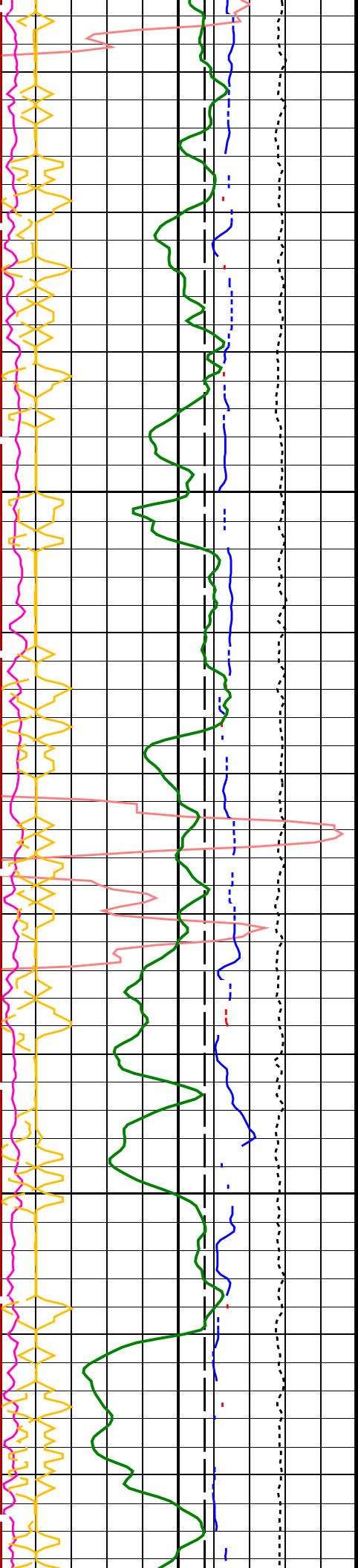




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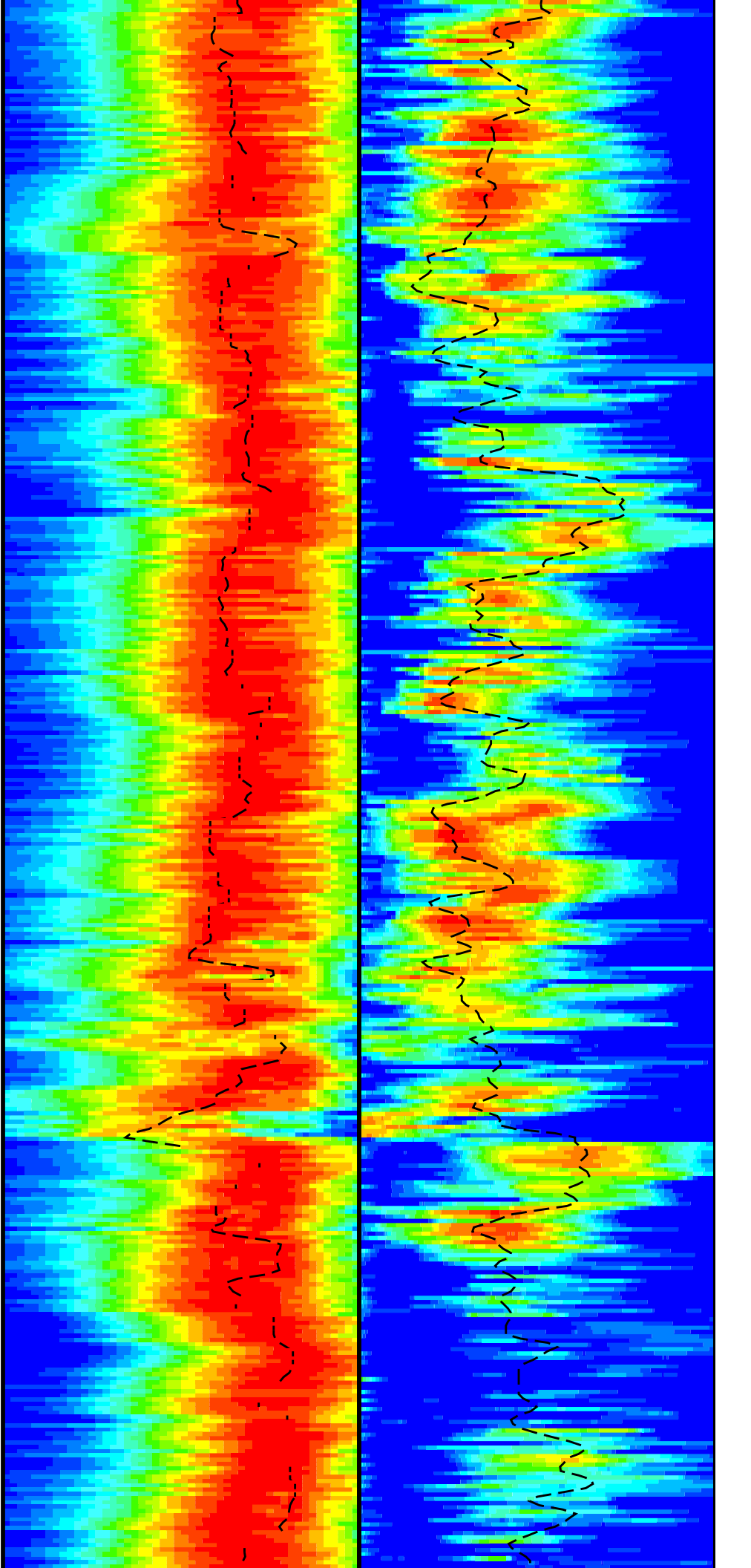
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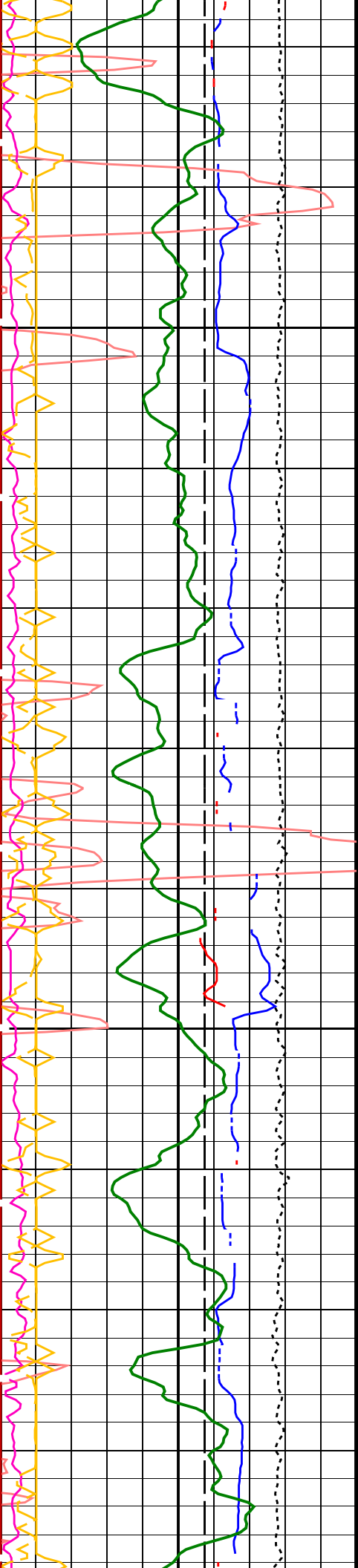




225

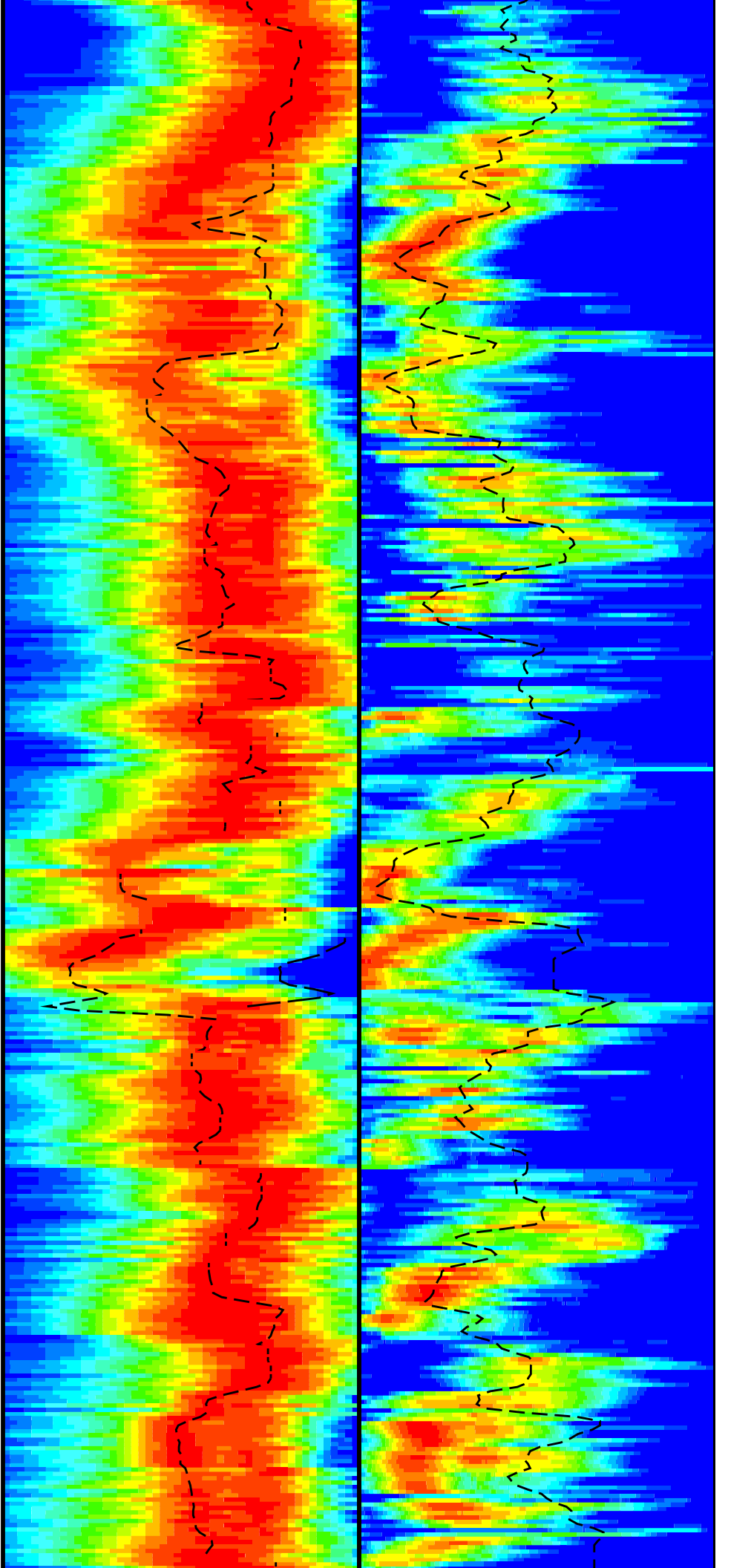
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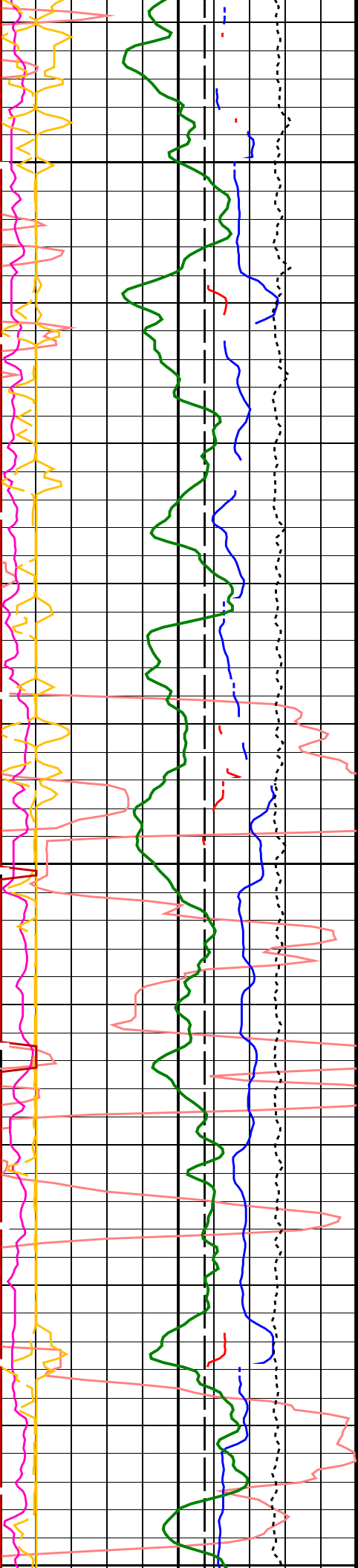




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300

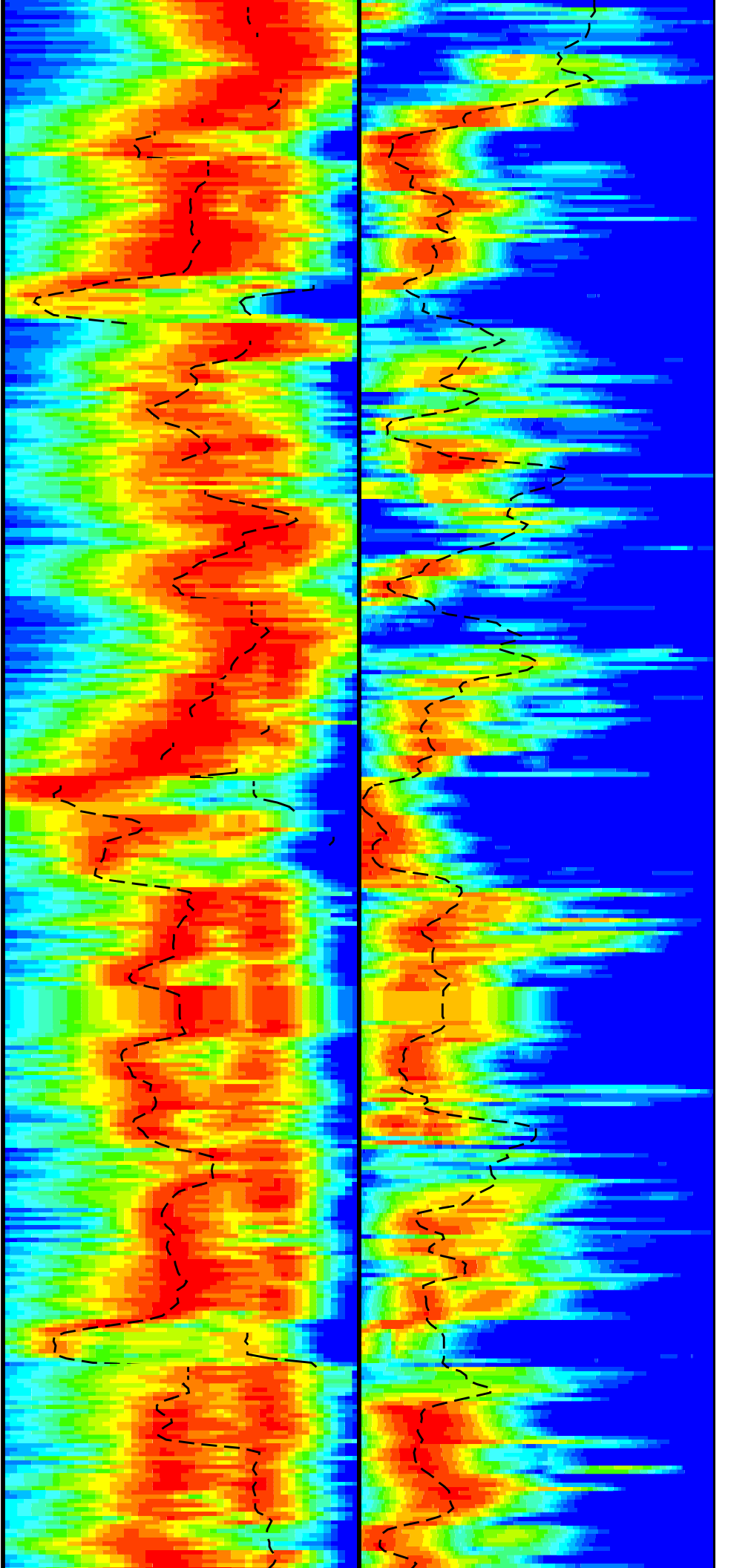


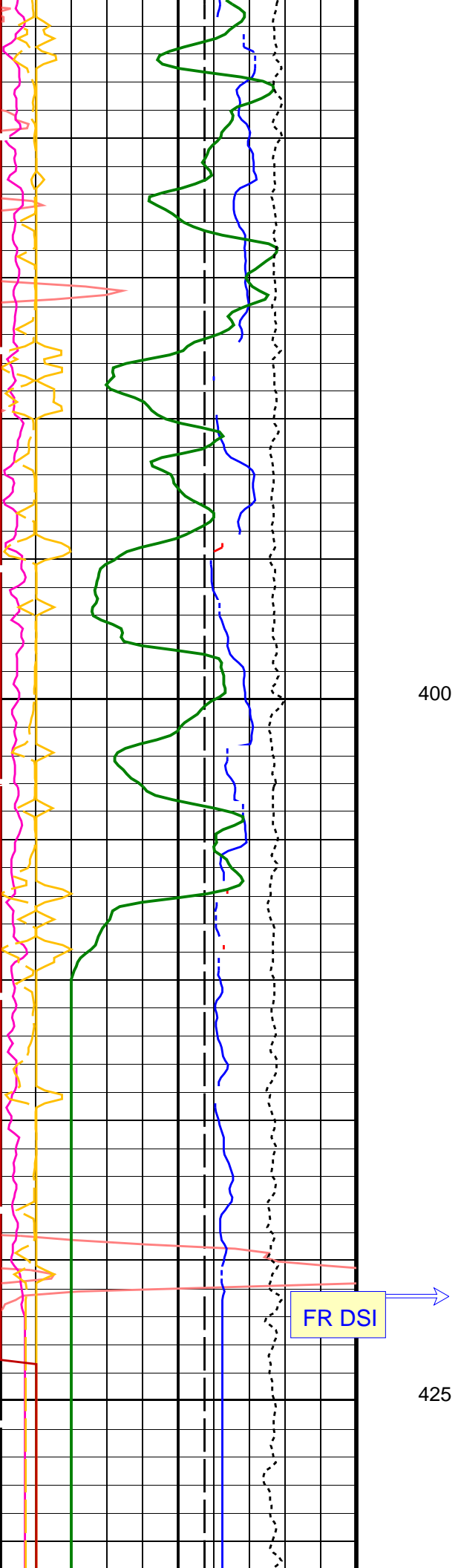


325

350

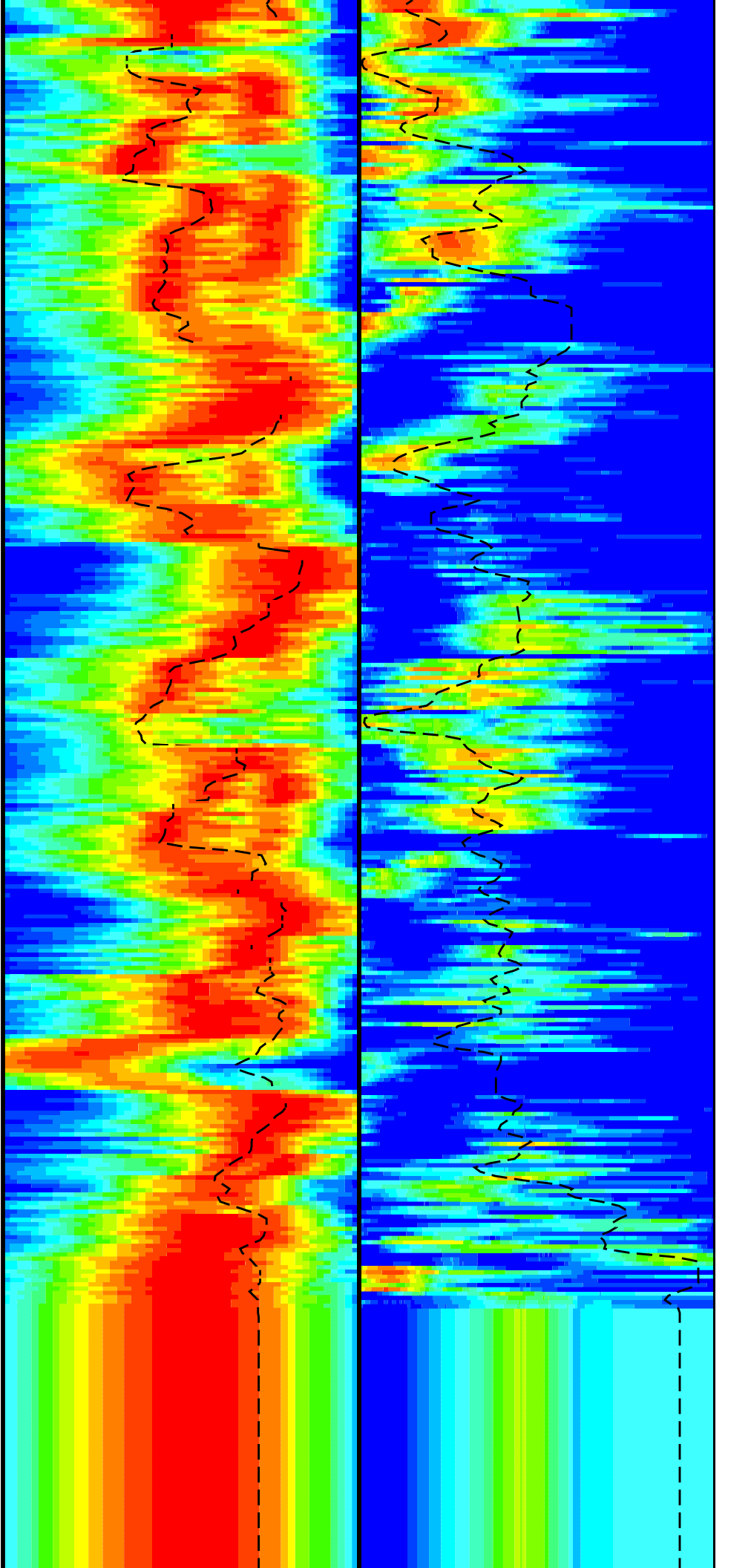
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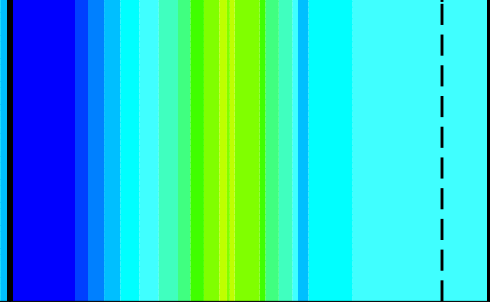
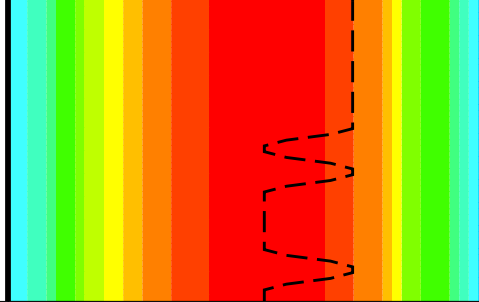
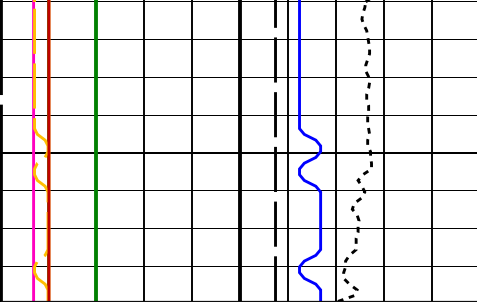




400

425





Bit Size (BS)
(IN) 0 20

Delta-T Comp / RA - P & S (DTRP)
(US/F) 120 220

Delta-T Shear / RA - Lower Dipole (DT1R)
(US/F) 300 1600

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

Delta-T Shear / RA - P & S (DTRS)
(US/F) 120 220

Min Amplitude Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
(US/F) 300 1600

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

Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
(US/F) 120 220

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

Tension (TENS)
(LBF) 10000 0

HNGS Computed Gamma Ray (HCGR)
(GAPI) 0 100

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
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	120 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	220 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	300 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1600 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCS Channel	PS_COMP
DTF	Delta-T Fluid	204.5 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	
GCSE	Generalized Caliper Selection	BS	
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	
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
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN	
SAM4	DSST Sonic Acquisition Mode 4 – High Frequency Monopole Mode for P&S	MFD_ODD	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SAS2	STC Sonic Array Status – Upper 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	
SFM2	STC Filter – Upper Dipole	B1–2K	
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	220	US/F
LLL1	STC Slowness Lower Limit – Lower Dipole	300	US/F
LLL4	STC Slowness Lower Limit – Monopole P&S	120	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	
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
SUL1	STC Slowness Upper Limit – Lower Dipole	1600	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	220	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	2450	US
TLL4	STC Time Lower Limit – Monopole P&S	580	US
TST1	STC Time Step – Lower Dipole	200	US
TST4	STC Time Step – Monopole P&S	50	US
TUL1	STC Time Upper Limit – Lower Dipole	20440	US
TUL4	STC Time Upper Limit – Monopole P&S	3480	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
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	
HNGS–BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00143347	

HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.0017	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.0022	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	-355.5	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 31-Dec-2009 23:06

OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

Input DLIS Files

DEFAULT	FMS_DSI_NGS_019LUP	FN:25	PRODUCER	06-Dec-2009 14:47	795.5 M	427.8 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_045PUP	FN:53	PRODUCER	31-Dec-2009 23:05
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First Pass

MAXIS Field Log

Company: Lamont Doherty Well: Expedition 317 Site U1352B

Input DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	06-Dec-2009 14:23	795.5 M	479.5 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_044PUP	FN:52	PRODUCER	31-Dec-2009 23:04	439.7 M	123.9 M
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OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

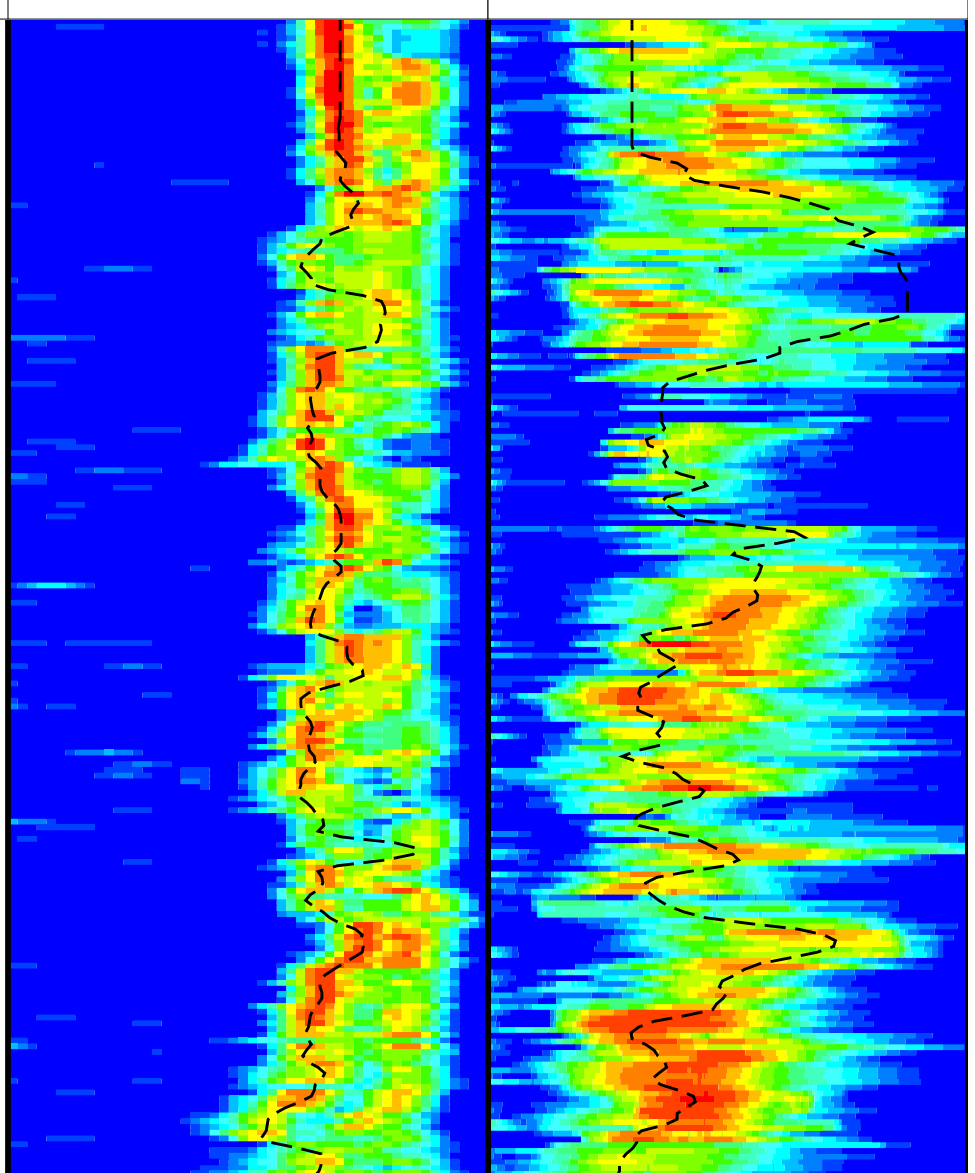
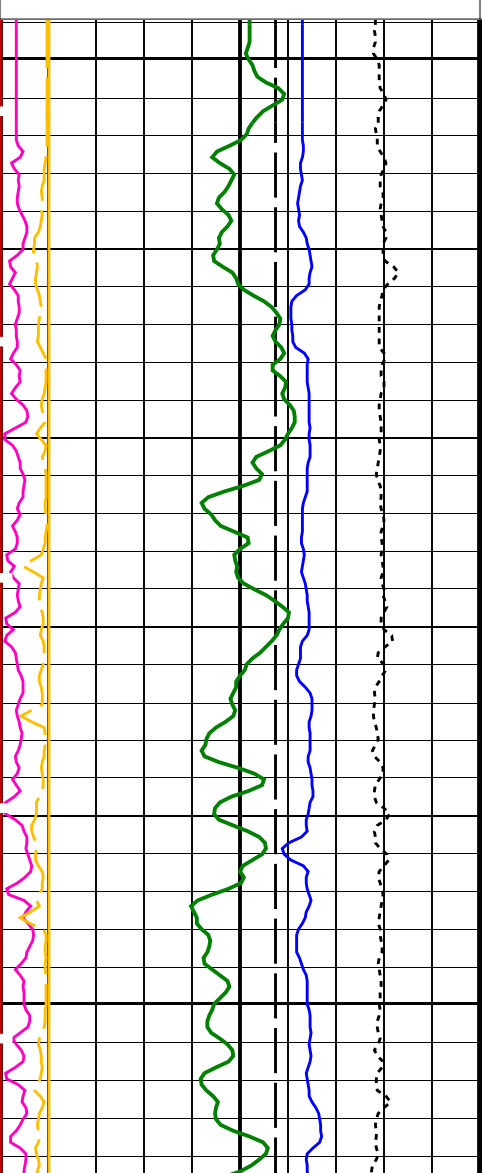
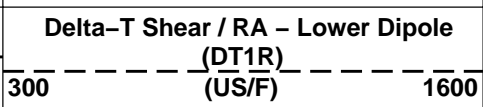
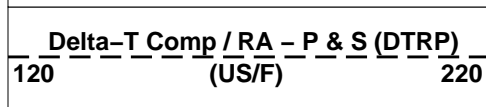
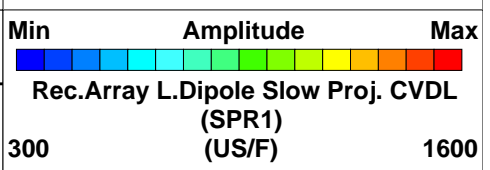
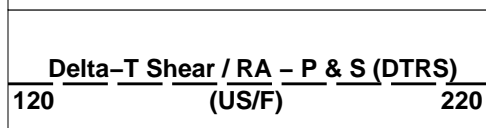
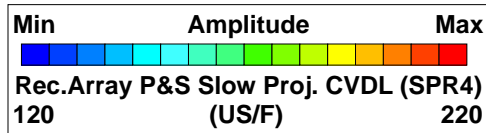
PIP SUMMARY

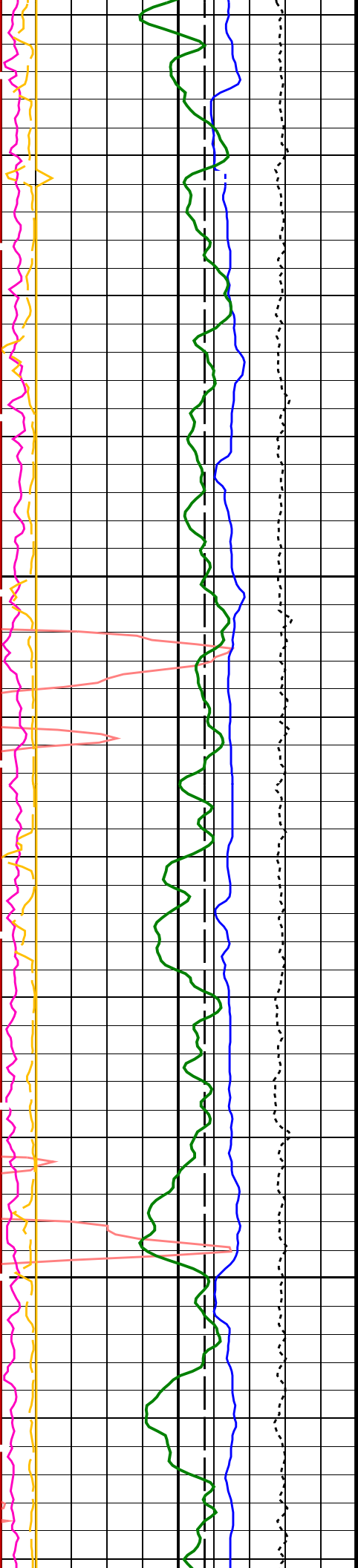
Time Mark Every 60 S

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

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

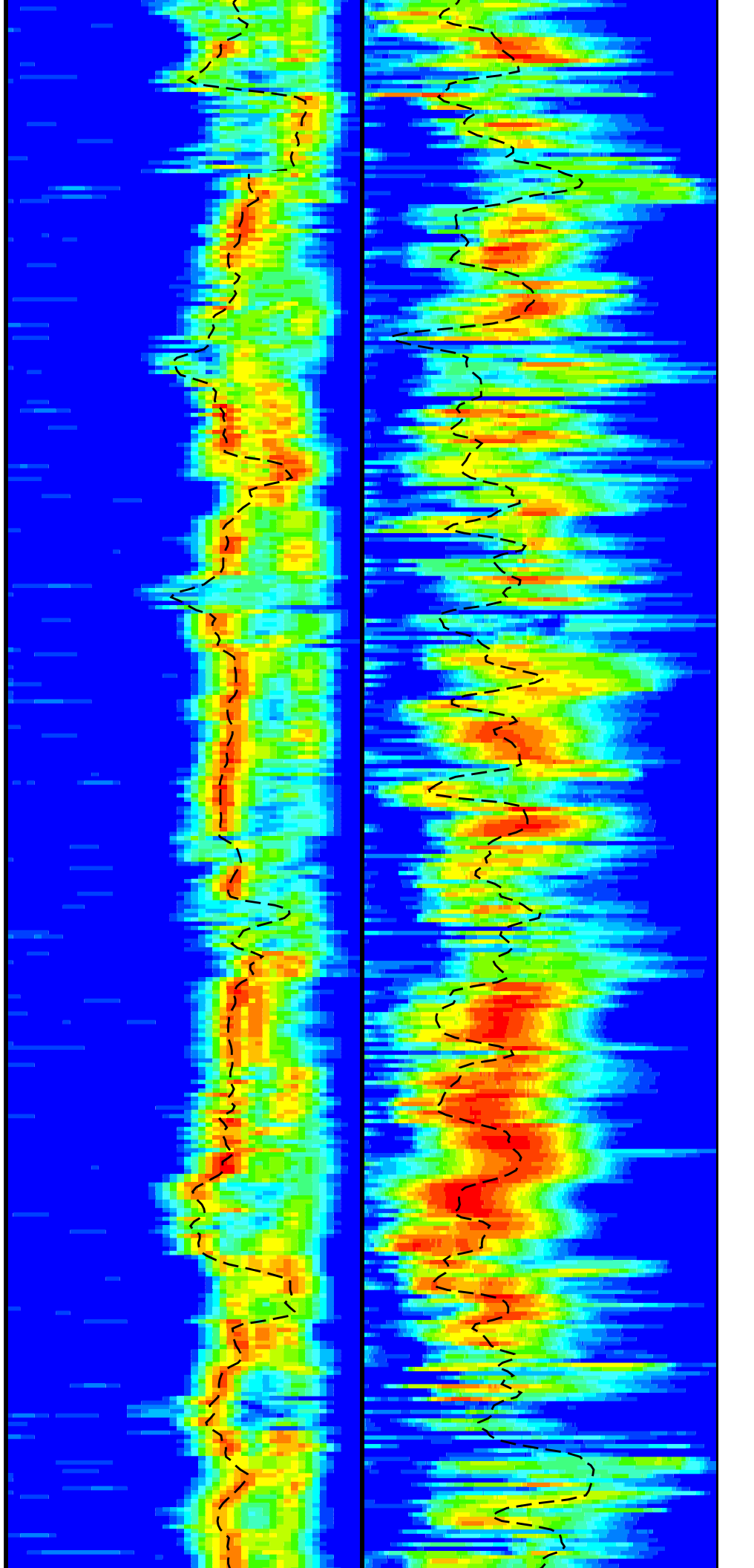
Peak Coherence / RA – P & S Comp (CHRP)	0	10
Peak Coherence / RA – Upper Dipole (CHR2)	0	10
HNGS Computed Gamma Ray (HCGR) (GAPI)	0	100
Tension (TENS) (LBF)	10000	0
Delta-T Shear – P & S (DT4S) (US/F)	440	40
Delta-T Comp – P & S (DT4P) (US/F)	440	40
Delta-T Shear – Upper Dipole (DT2) (US/F)	440	40
Bit Size (BS) (IN)	0	20

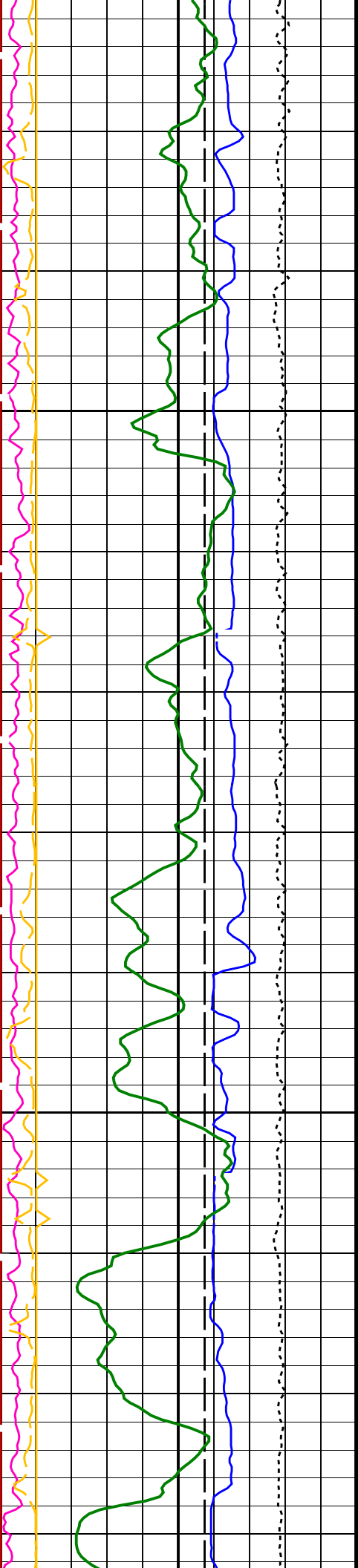




175

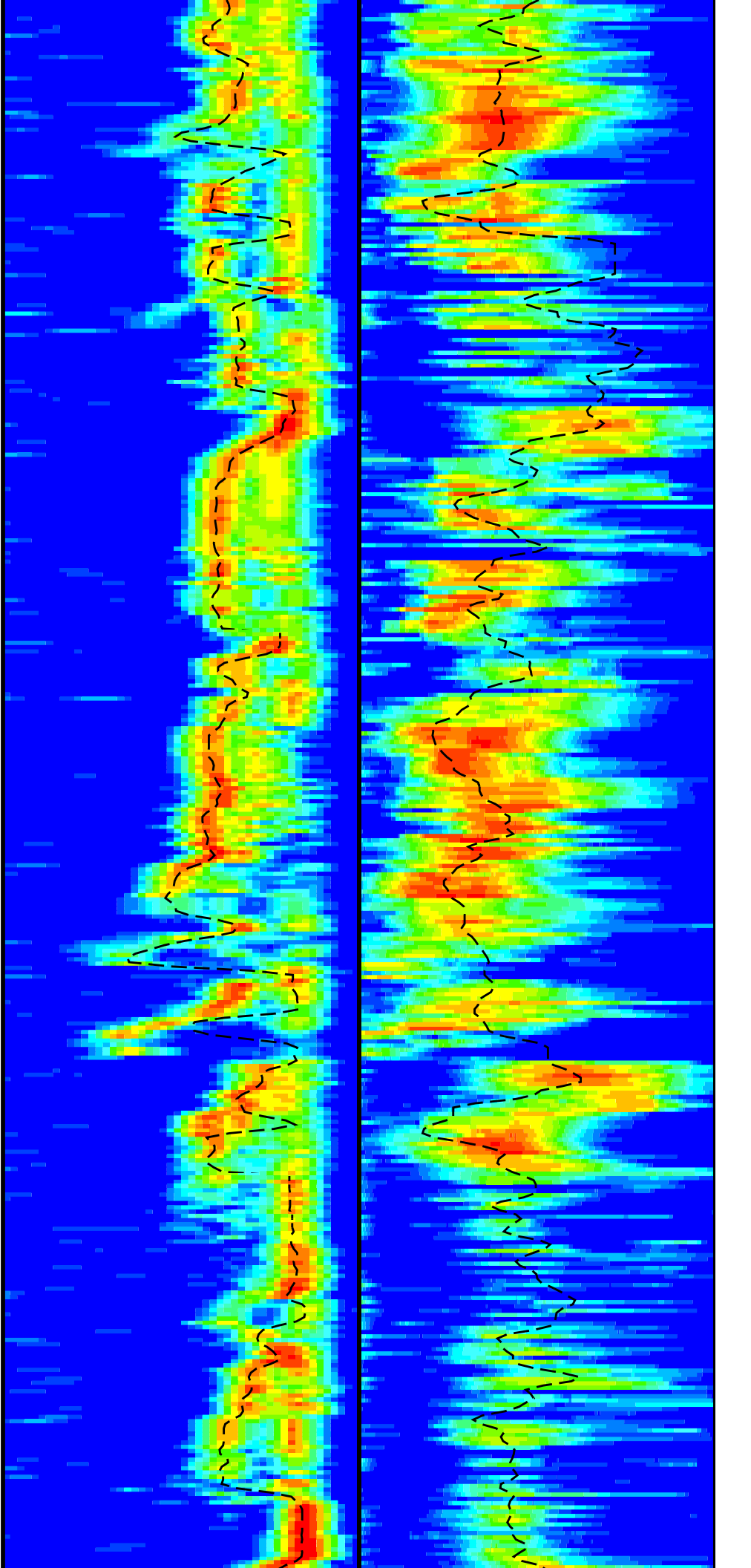
200

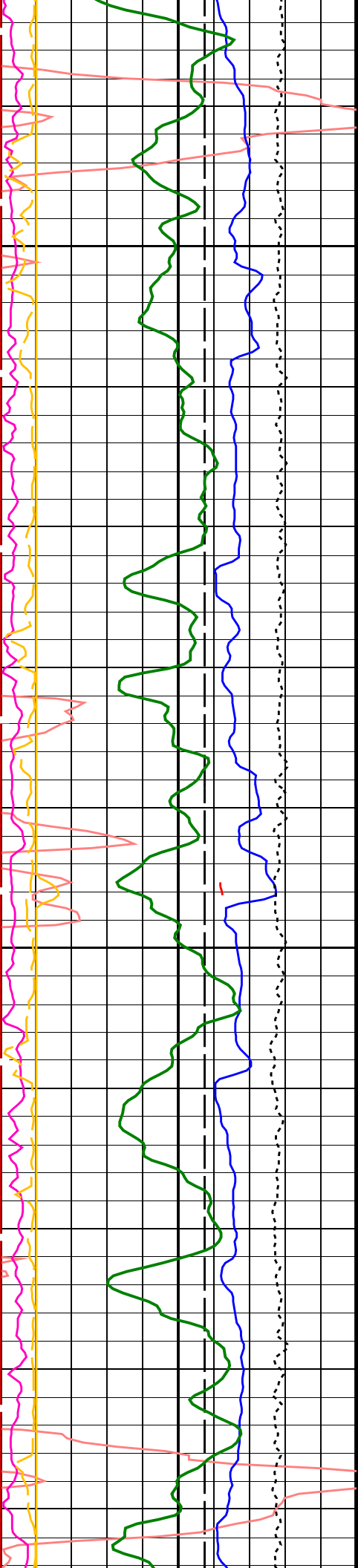




225

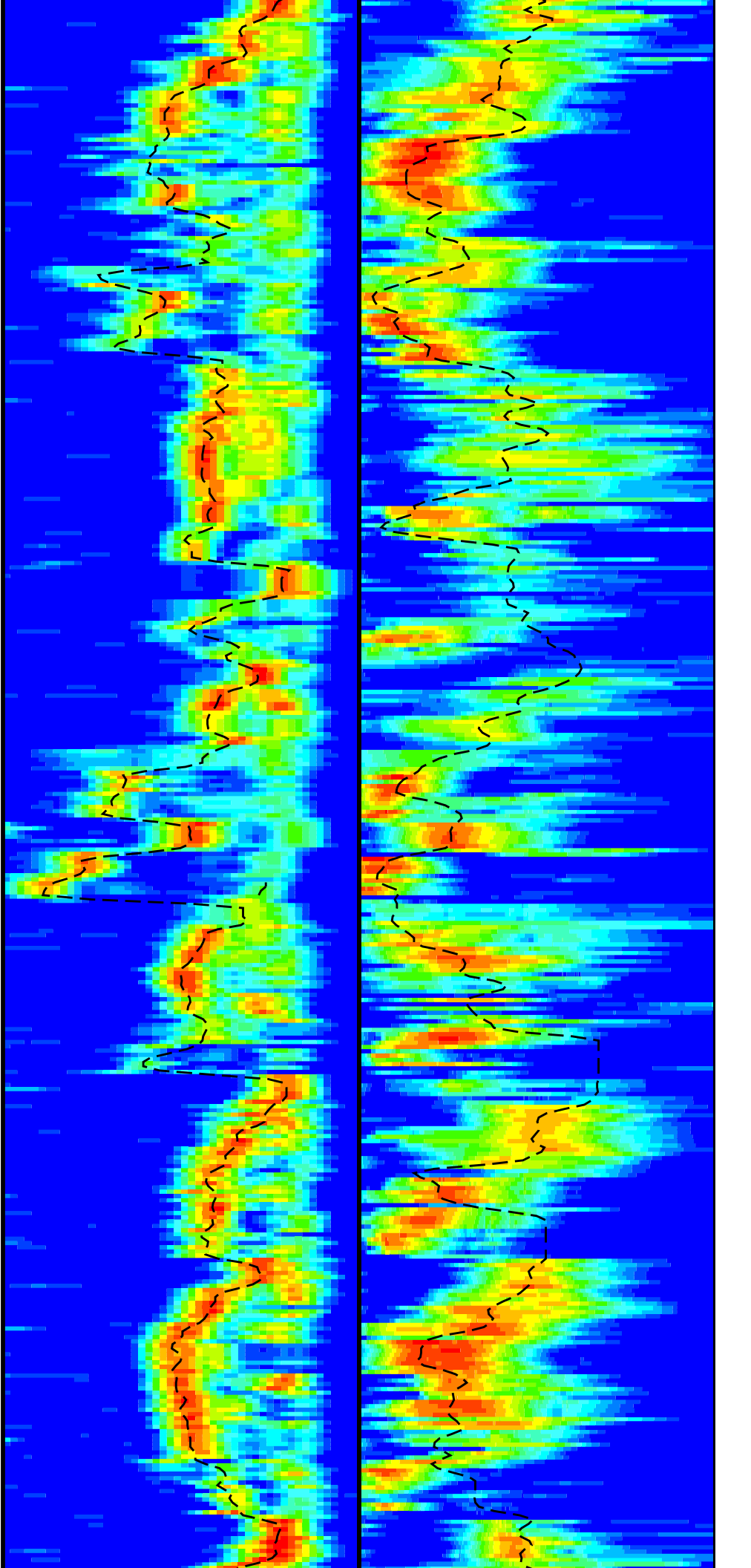
250

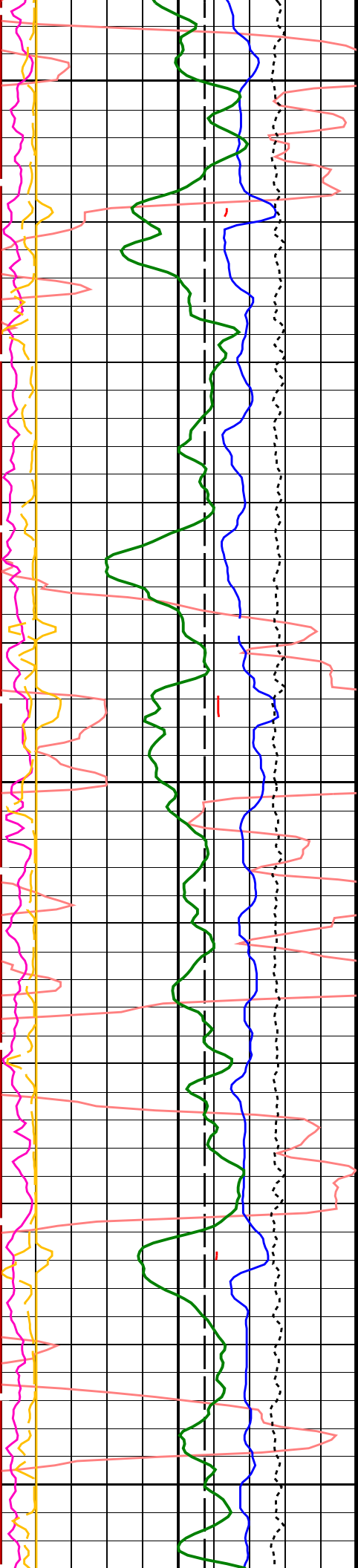




275

300

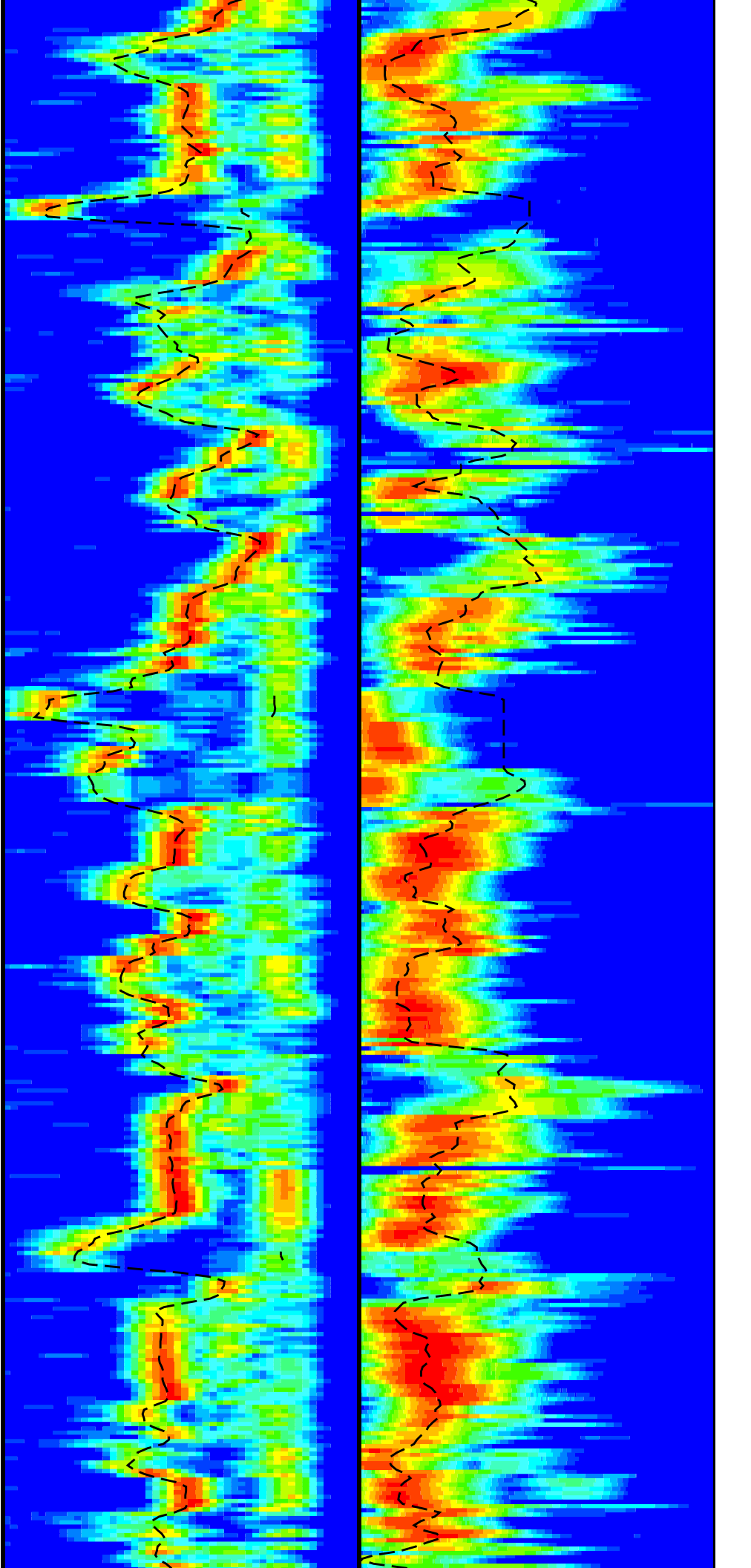


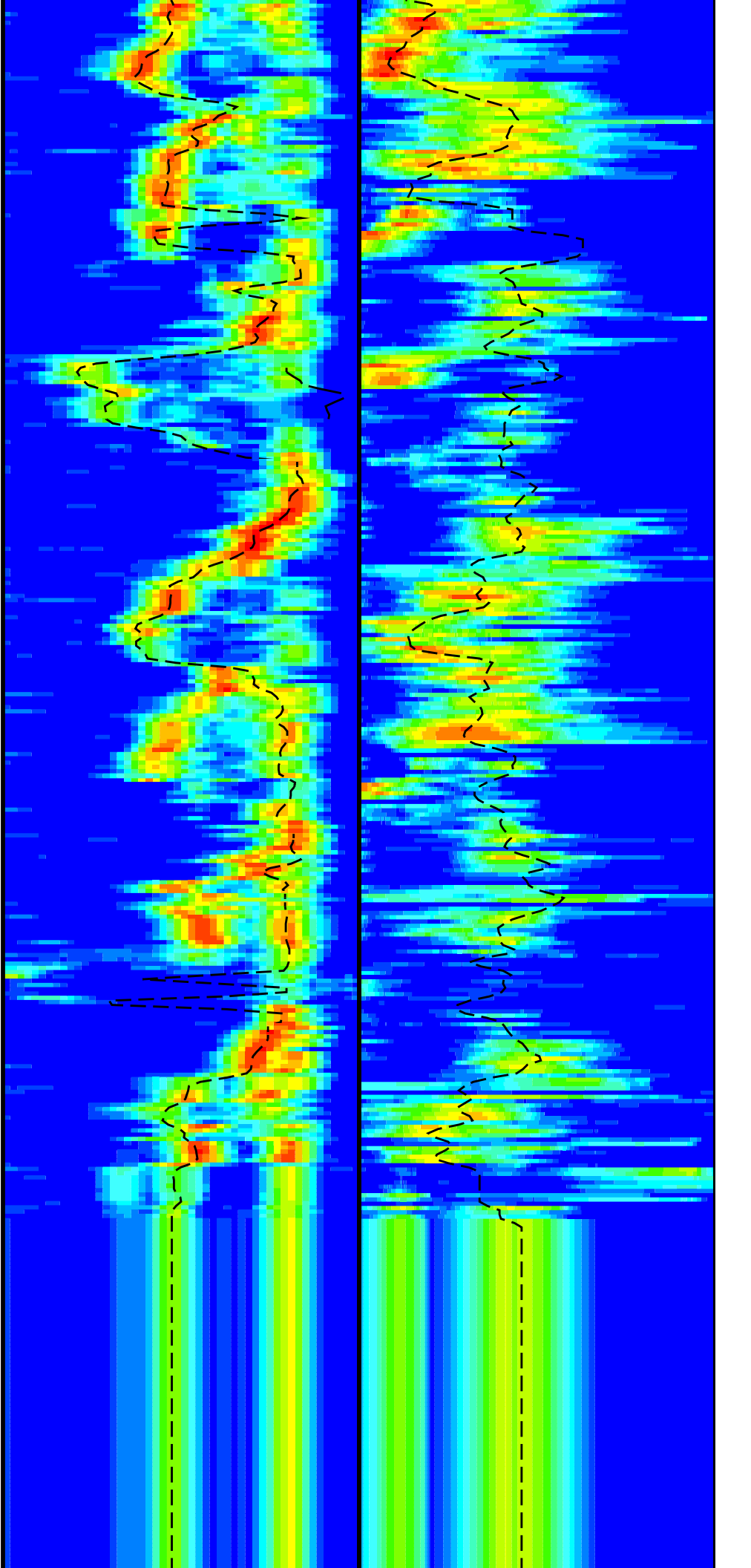
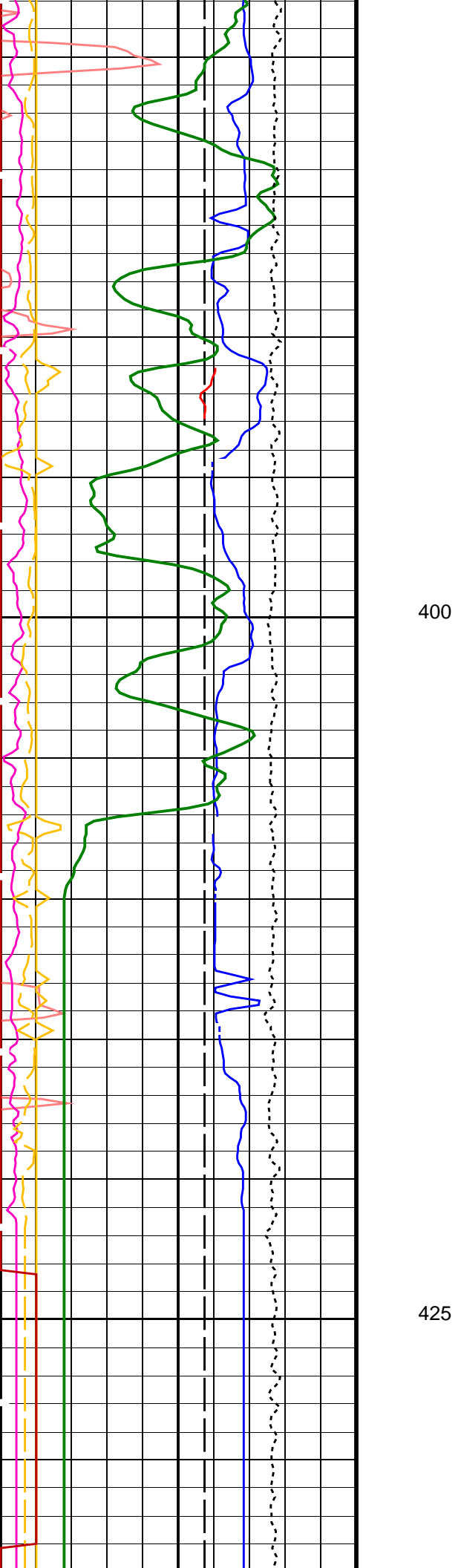


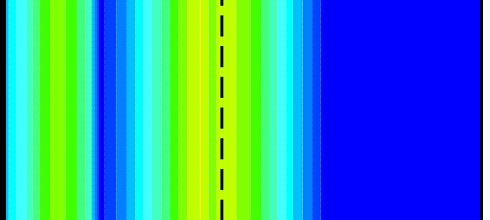
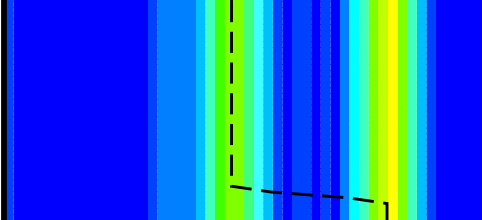
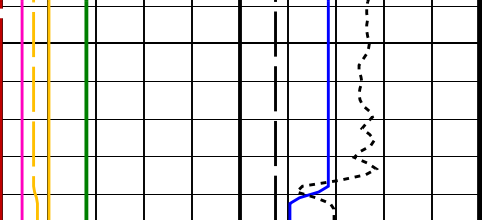
325

350

375







Bit Size (BS)		(IN)	
0		20	
Delta-T Shear - Upper Dipole (DT2)		(US/F)	
440		40	
Delta-T Comp - P & S (DT4P)		(US/F)	
440		40	
Delta-T Shear - P & S (DT4S)		(US/F)	
440		40	
Tension (TENS)		(LBF)	
10000		0	
HNGS Computed Gamma Ray (HCGR)		(GAPI)	
0		100	
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)	
120		220	
Delta-T Shear / RA - P & S (DTRS)		(US/F)	
120		220	
Min Amplitude Max		Rec.Array P&S Slow Proj. CVDL (SPR4)	
120		220	

Delta-T Shear / RA - Lower Dipole (DT1R)		(US/F)	
300		1600	
Min Amplitude Max		Rec.Array L.Dipole Slow Proj. CVDL (SPR1)	
300		1600	

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	120 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	220 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	300 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1600 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DTF	Delta-T Fluid	204.5 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
CCSF	Generalized Casing Selection	PS

GCSE	Generalized Caliper Selection	DYNAMIC	BS	
LFC	Label Formation Character – Monopole P&S			
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	
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
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN		
SAM4	DSST Sonic Acquisition Mode 4 – High Frequency Monopole Mode for P&S	ODD		
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF		
SAS1	STC Sonic Array Status – Lower Dipole		255	
SAS2	STC Sonic Array Status – Upper 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		
SFM2	STC Filter – Upper Dipole	B1–2K		
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		220	US/F
SLL1	STC Slowness Lower Limit – Lower Dipole		300	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S		120	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		
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
SUL1	STC Slowness Upper Limit – Lower Dipole		1600	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S		220	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		2450	US
TLL4	STC Time Lower Limit – Monopole P&S		580	US
TST1	STC Time Step – Lower Dipole		200	US
TST4	STC Time Step – Monopole P&S		50	US
TUL1	STC Time Upper Limit – Lower Dipole		20440	US
TUL4	STC Time Upper Limit – Monopole P&S		3480	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
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	
HNGB–BA: Hostile Natural Gamma Ray Sonde				
BAR1	HNGB Detector 1 Barite Constant		1	
BAR2	HNGB Detector 2 Barite Constant		1	
BHK	HNGB Borehole Potassium Correction Concentration		0	
BHS	Borehole Status	OPEN		
CSD1	Inner Casing Outer Diameter		0	IN
CSD2	Outer Casing Outer Diameter		0	IN
CSW1	Inner Casing Weight		0	LB/F
CSW2	Outer Casing Weight		0	LB/F
DBCC	HNGB Barite Constant Correction Flag	NONE		
GCSE	Generalized Caliper Selection	BS		
H1P	HNGB Detector 1 Allow/Disallow In Processing	ALLOW		
H2P	HNGB Detector 2 Allow/Disallow In Processing	ALLOW		
HABK	HNGB Borehole Potassium Running Average	-0.00143347		
HALF	HNGB Alpha Filter Length		60	IN
HCRB	HNGB Apply Borehole Potassium Correction	NONE		
HMWM	Mud Weighting Material	BARI		

HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.0017	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.0022	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	-355.5	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 31-Dec-2009 23:04

OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

Input DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	06-Dec-2009 14:23	795.5 M	479.5 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_044PUP	FN:52	PRODUCER	31-Dec-2009 23:04		
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Calibration

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner – B (Slim) Wellsite Calibration – Caliper Calibration							
Before: 6-Nov-2009 10:23							
Caliper 1 Zero Measurement	12.00	N/A	12.07	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.14	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.24	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.39	N/A	N/A	N/A	IN
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER							
Before: 5-Dec-2009 6:48 PROM HAS BEEN READ CORRECTLY							
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							
Before: 5-Dec-2009 6:48 PROM HAS BEEN READ CORRECTLY							
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	
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: 31-Oct-2009 23:09 Before: 5-Dec-2009 6:52 After: 5-Dec-2009 10:52							
Na 511 Peak Loc	40.00	39.48	39.68	39.63	-0.04846	1.000	
Na 511 Peak Res	15.50	16.07	14.74	14.98	0.2388	2.000	%
High Voltage	1150	1200	1152	1156	3.647	N/A	V

Na 1785 Peak Loc	142.6	142.5	142.5	142.2	-0.2954	7.000	%
Na 1785 Peak Res	8.500	8.076	8.734	8.014	-0.7203	2.000	%
Temperature	15.50	36.12	18.23	18.85	0.6210	N/A	DEGC
Na Count Rate	45.00	34.81	33.11	33.82	0.7155	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: 31-Oct-2009 23:09 Before: 5-Dec-2009 6:52 After: 5-Dec-2009 10:52

Na 511 Peak Loc	40.00	39.63	39.70	39.59	-0.1114	1.000	
Na 511 Peak Res	15.50	15.54	14.91	16.25	1.336	2.000	%
High Voltage	1150	1123	1089	1091	1.856	N/A	V
Na 1785 Peak Loc	142.6	142.2	142.0	142.0	0.007385	7.000	
Na 1785 Peak Res	8.500	8.652	8.508	8.545	0.03727	2.000	%
Temperature	15.50	36.37	19.59	20.32	0.7251	N/A	DEGC
Na Count Rate	45.00	35.36	32.89	33.65	0.7532	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2

Master: 31-Oct-2009 23:09 Before: 5-Dec-2009 6:52 After: 5-Dec-2009 10:52

Coincidence Count Rate Ratio	1.000	0.9839	1.008	1.006	-0.002793	0.05000	
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Micro Electrical Scanner – B (Slim) / Equipment Identification

Primary Equipment:

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

Auxiliary Equipment:

MEST-B Preamplifier Cartridge Housing	MEPH – A	
MEST Acquisition Cartridge Housing (Slim)	MEAH – B	

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment:

HNGC Cartridge	HNGC – B	300
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Auxiliary Equipment:

HNGC Housing	HNGH – A	115
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Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:

HNGS Sonde	HNGS – BA	194
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Auxiliary Equipment:

HNGS Sonde Housing	HNSH – BA	205
Gamma Source Radioactive	GSR – U	616008

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.48	Master		16.07	Master		1200
Before		39.68	Before		14.74	Before		1152
After		39.63	After		14.98	After		1156
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		142.5	Master		8.076	Master		36.12
Before		142.5	Before		8.734	Before		18.23
After		142.2	After		8.014	After		18.85
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		34.81						

Master		34.81
Before		33.11
After		33.82
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)	

Master: 31-Oct-2009 23:09 Before: 5-Dec-2009 6:52 After: 5-Dec-2009 10:52

Hostile Natural Gamma Ray Sonde Wellsite Calibration								
Detector 2 Check								
Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.63	Master		15.54	Master		1123
Before		39.70	Before		14.91	Before		1089
After		39.59	After		16.25	After		1091
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		142.2	Master		8.652	Master		36.37
Before		142.0	Before		8.508	Before		19.59
After		142.0	After		8.545	After		20.32
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		35.36						
Before		32.89						
After		33.65						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: 31-Oct-2009 23:09 Before: 5-Dec-2009 6:52 After: 5-Dec-2009 10:52

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9839
Before		1.008
After		1.006
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: 31-Oct-2009 23:09		
Before: 5-Dec-2009 6:52		
After: 5-Dec-2009 10:52		

DTS Telemetry Tool / Equipment Identification		
Primary Equipment:		
DTC-H Auxiliary Cartridge	DTCH - A	
DTC-H Telemetry Cartridge	DTCH - A	8753
Auxiliary Equipment:		
DTCH Telemetry Cartridge Housing	ECH - KC	2304

Well: **Expedition 317 Site U1352B**
Field: **Canterbury Basin**
Rig: **JOIDES Resolution**
Ocean: **Pacific**

Dipole Shear Sonic (DSI)