

DISCLAIMER

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OTHER SERVICES1
 OS1: HNGS
 OS2: HRLA/HLDS
 OS3: FMS
 OS4: MSS



REMARKS: RUN NUMBER 1

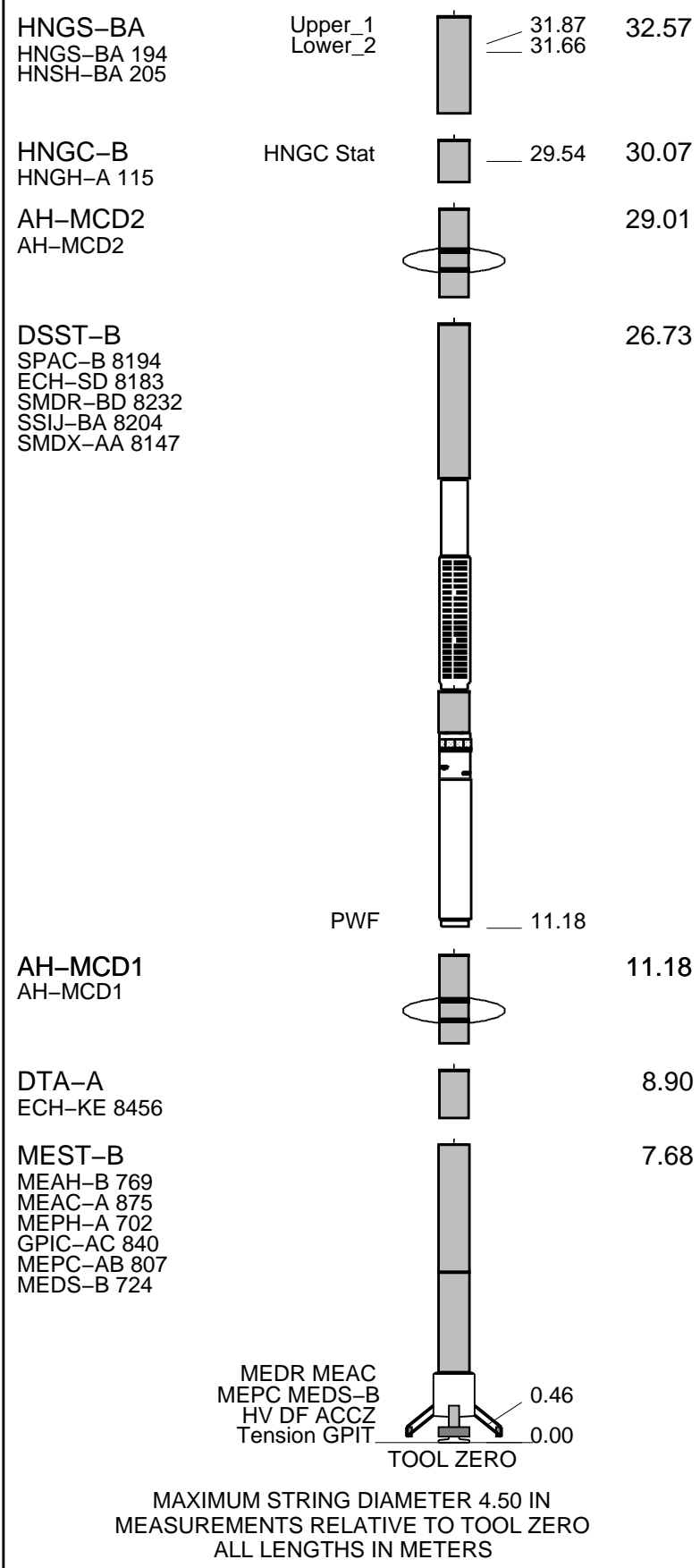
Hole drilled with RCB coring bit and bottom hole assembly (BHA). 9 7/8 " BS
 Free-Fall Funnel deployed for re-entry without casing.
 Bit placed at 96.5mbsf (driller's depth) prior to logging; logs tied into Run 1, Pass 2 bit depth due to low GR at sea bed.
 Hole was displaced to water-based mud prior to logging.
 Tools run as per tool sketch with entire string centralized using two modified MCD inline bowpring centralizers.
 Logs recorded in real-time with depth zero at drill floor; final depth adjusted to have zero at sea floor for core compatibilit
 Depth reference for this hole was the second pass of the first run; all other logs tied into that pass.
 Hole obstructed at a depth of 368.6mbsf; tools unable to pass below this depth; logs recorded from this depth up.
 FMS run with calipers open for upward passes and EMEX in automatic mode.
 DSI run with the following modes active for all passes:
 Upper Dipole in Low Frequency
 Lower Dipole in Standard Frequency
 P&S Monopole in Standard Frequency
 Stoneley (Monopole) in Standard Frequency
 Bit located at 96.5mbsf for downlog and first pass; raised to 79.3mbsf prior to second pass to maximize logged interval.
 FMS Caliper closed and EMEX deactivated at 122.8mbsf to facilitate pipe entry.

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION: 19C0-187			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 (EDTS)-A	

RUN 1	RUN 2
DOWNHOLE EQUIPMENT	
LEH-QT LEH-QT 301 EDTC-B EDTH-B 8303 EDTC-B 8317 EDTG-A/B 8305	MDSB_EDTC Mud Tempe CTEM Gamma Ray EFTB DIAG TelStatus EDTCB Ele
 34.55 33.49 32.92	35.44 34.55
 32.57	



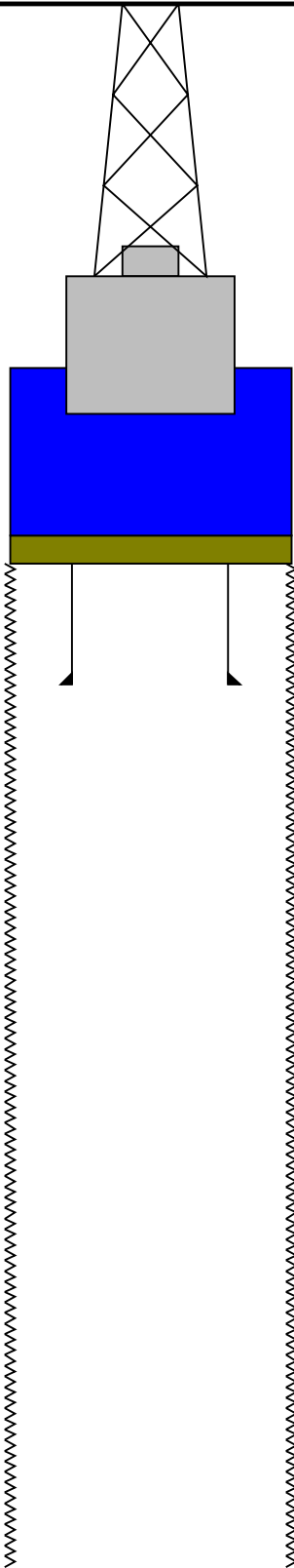
Production String	(in) (m)	Well Schematic	(m) (in)	Casing String
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Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

-3173.0
-3173.0

-3162.2



0.0

96.5

529.8

5.500

4.000

9.875

Sea Bed

Bit

Total Depth - Driller

Schlumberger

Downlog

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_048LUP	PRODUCER	26-Sep-2014 12:42	3472.5 M	3118.1 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_049PUP	FN:66	PRODUCER	26-Sep-2014 12:45	299.5 M	-18.1 M
CLIENT	FMS_DSI_NGS_049PUC	FN:67	CUSTOMER	26-Sep-2014 12:45	299.5 M	-18.1 M

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

PIP SUMMARY

Time Mark Every 60 S

Gamma Ray (GR_EDTC)
(GAPI) 0 40

Caliper 1 (C1)
(IN) 0 20

Caliper 2 (C2)
(IN) 0 20

Bit Size (BS)
(IN) 0 20

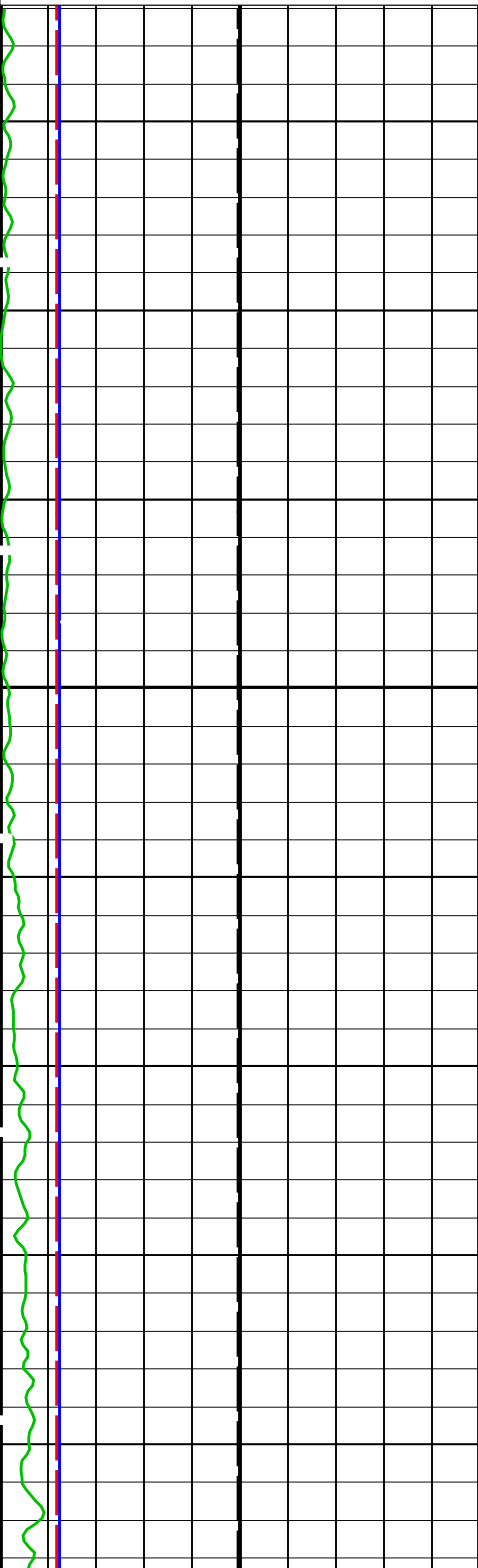
Sonic Velocity (SVEL)
(M/S) 1000 6000

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

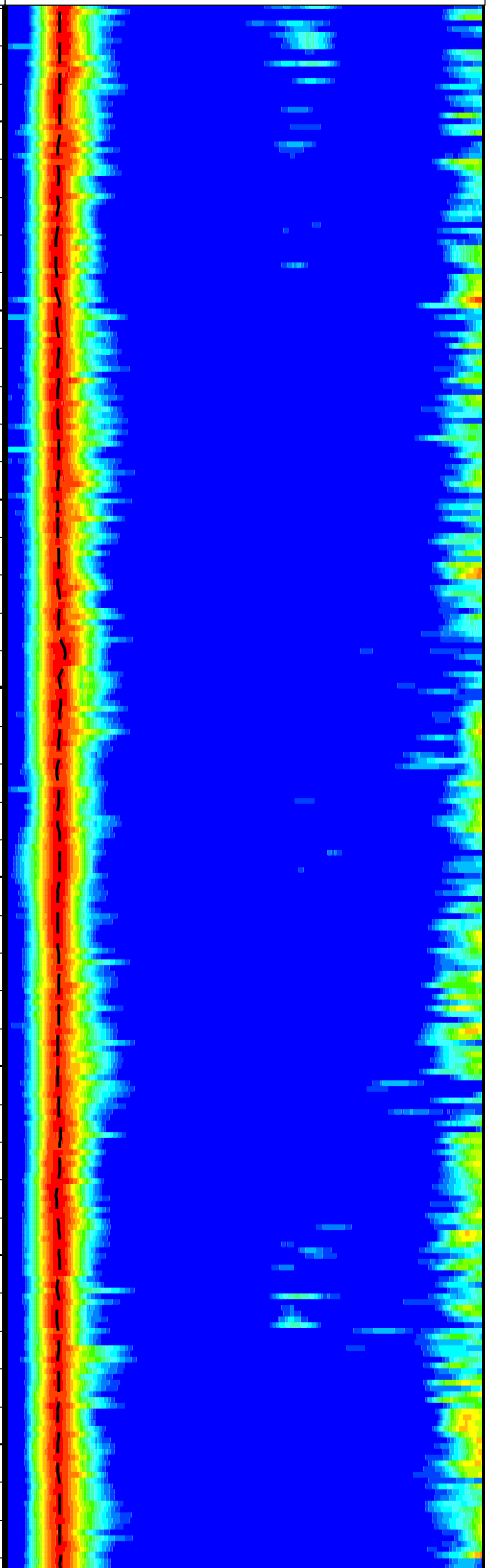
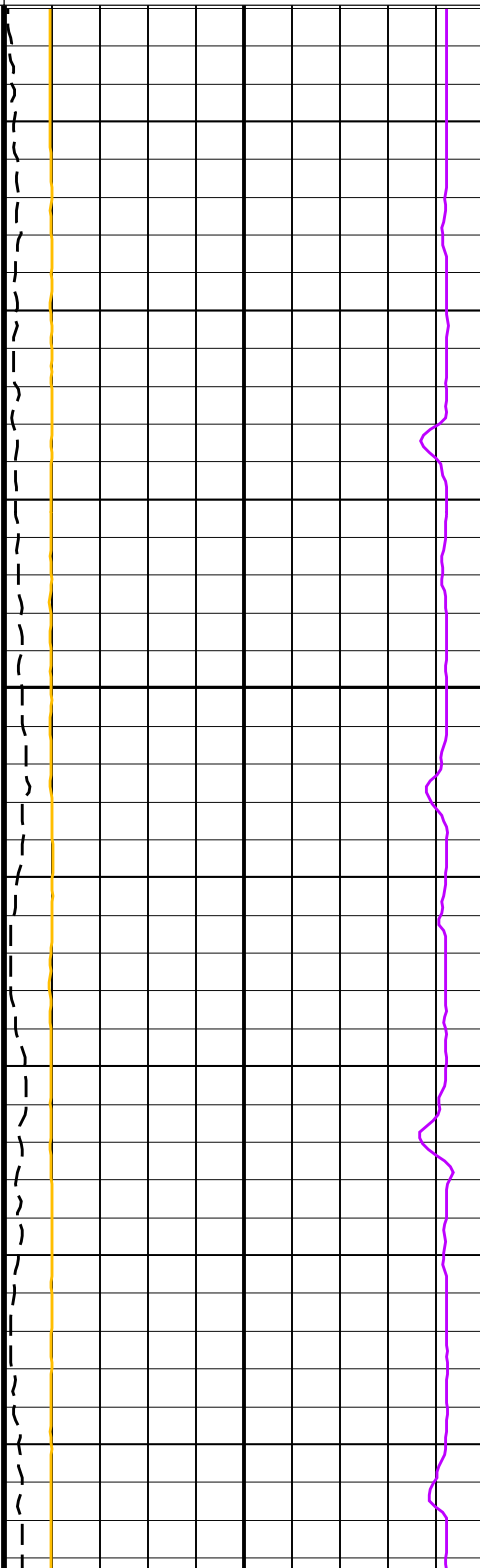
Peak Coherence / RA - Lower Dipole
(CHR1) 0 10

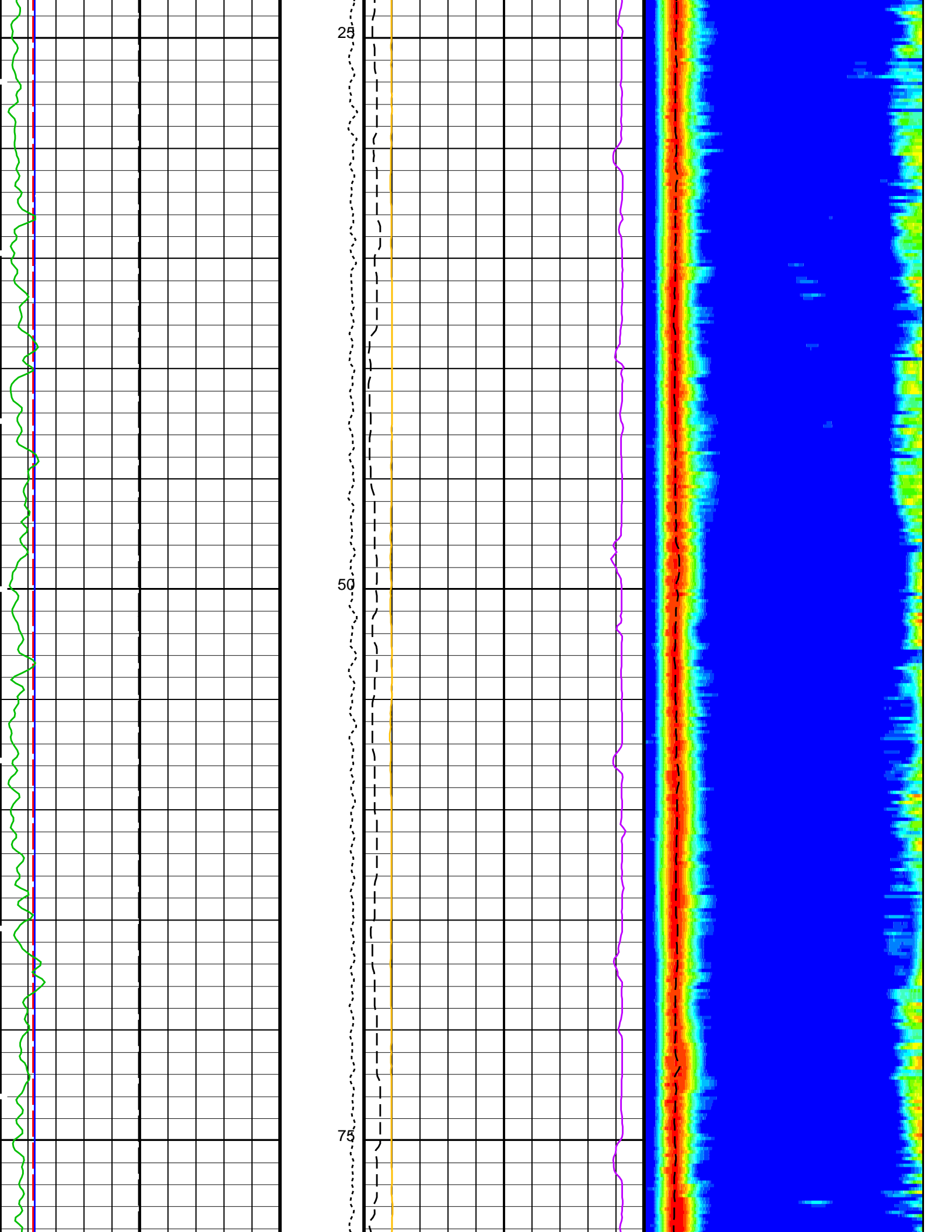
Min Amplitude Max
Rec.Array L.Dipole Slow Proj. CVDL
(SPR1) (US/F) 75 1200

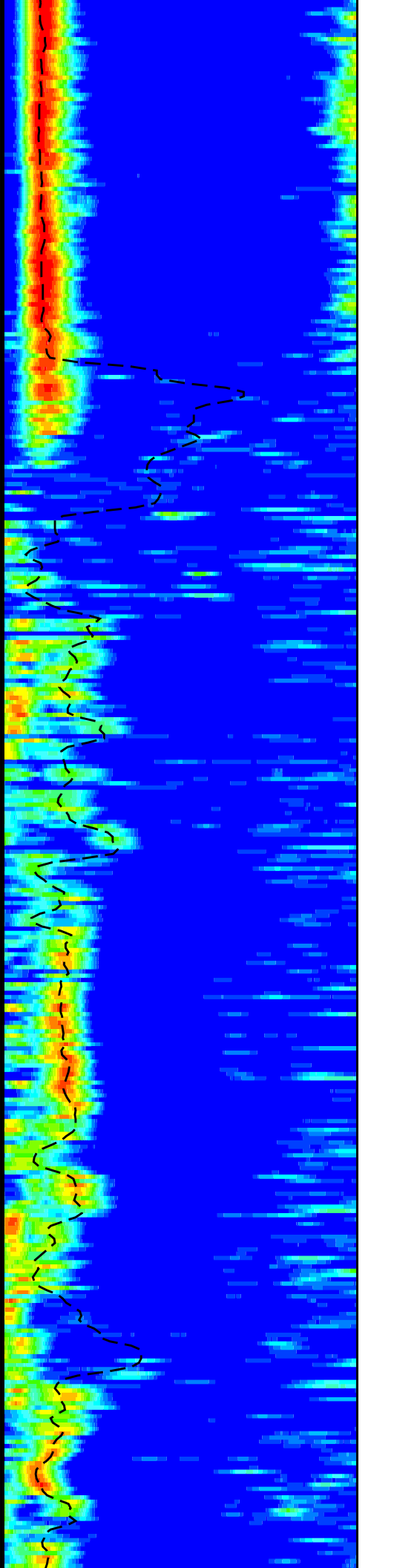
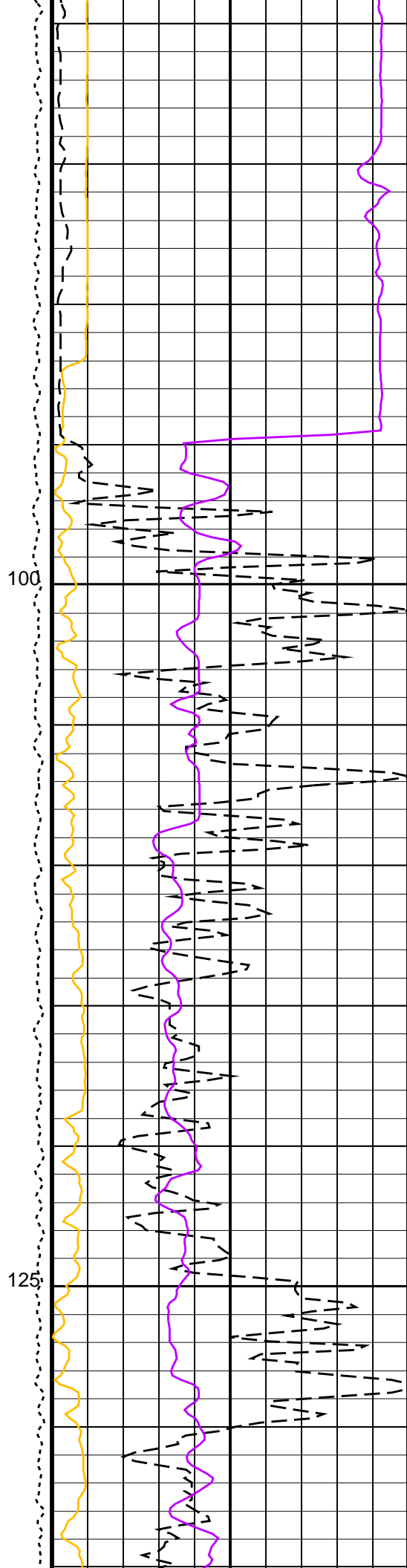
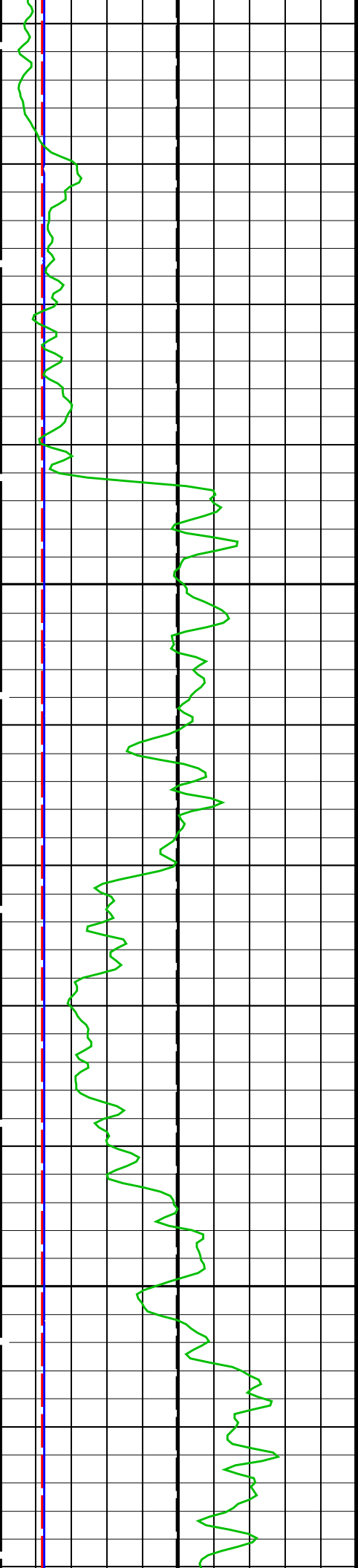
Delta-T Shear / RA - Lower Dipole
(DT1R) (US/F) 75 1200

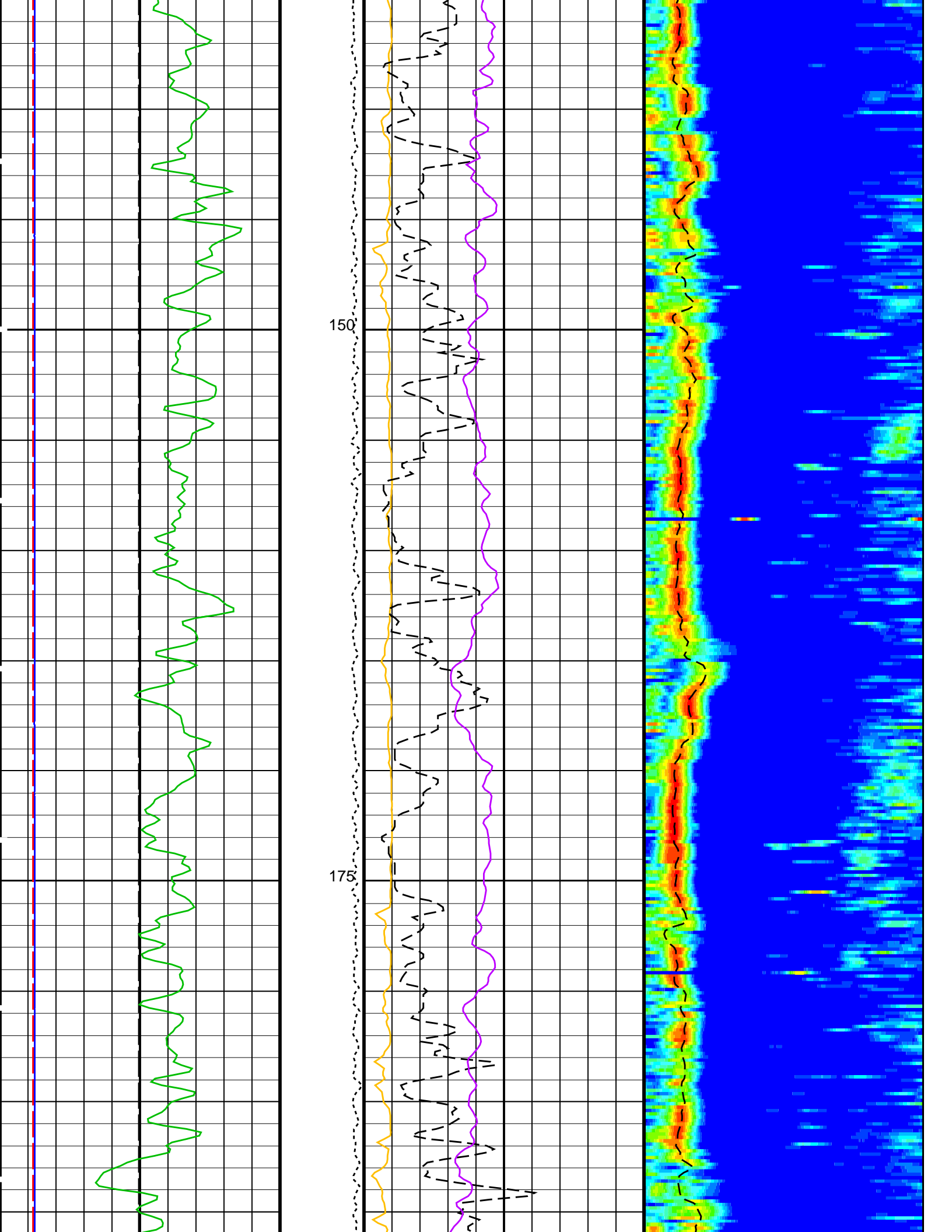


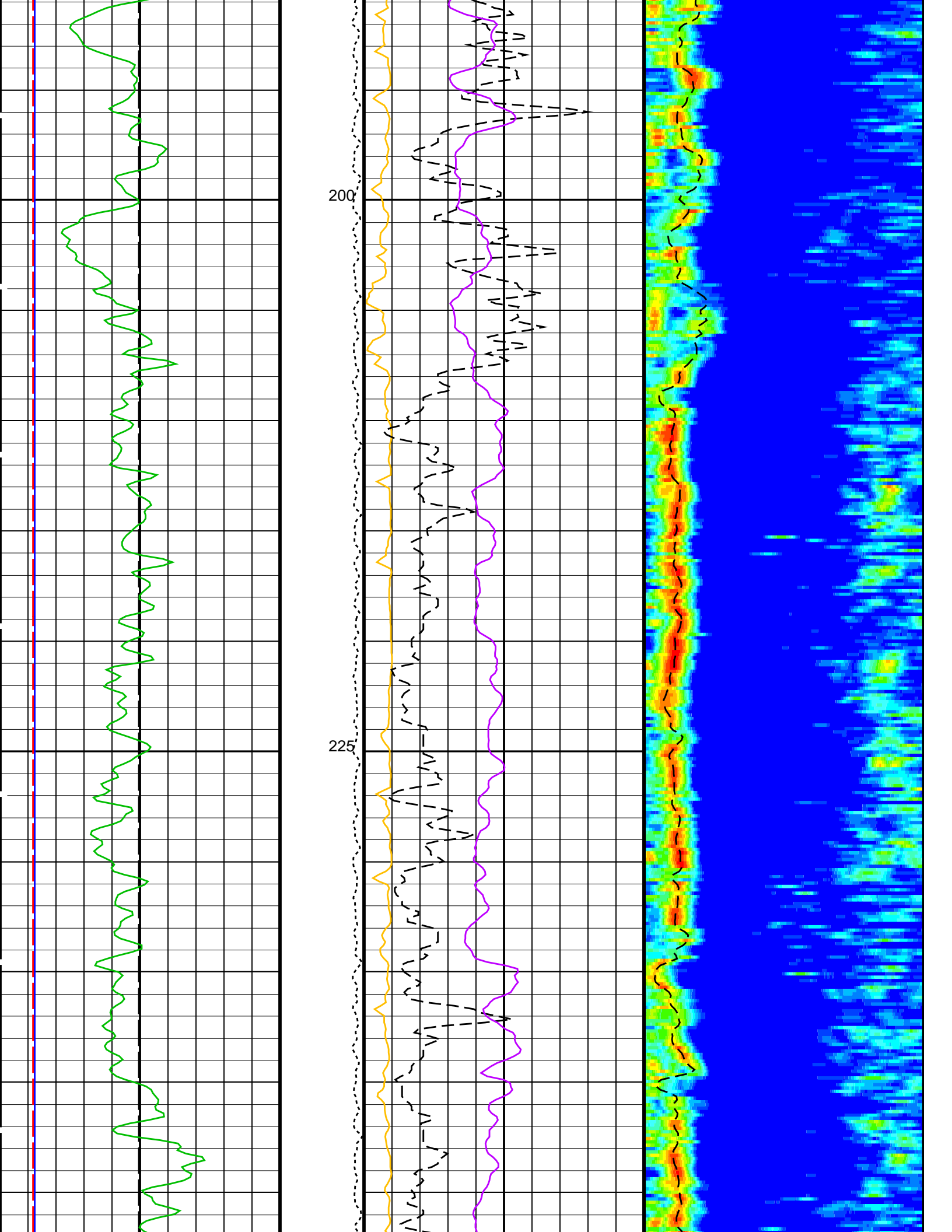
Tension (TENS) (LBF) 0 5000

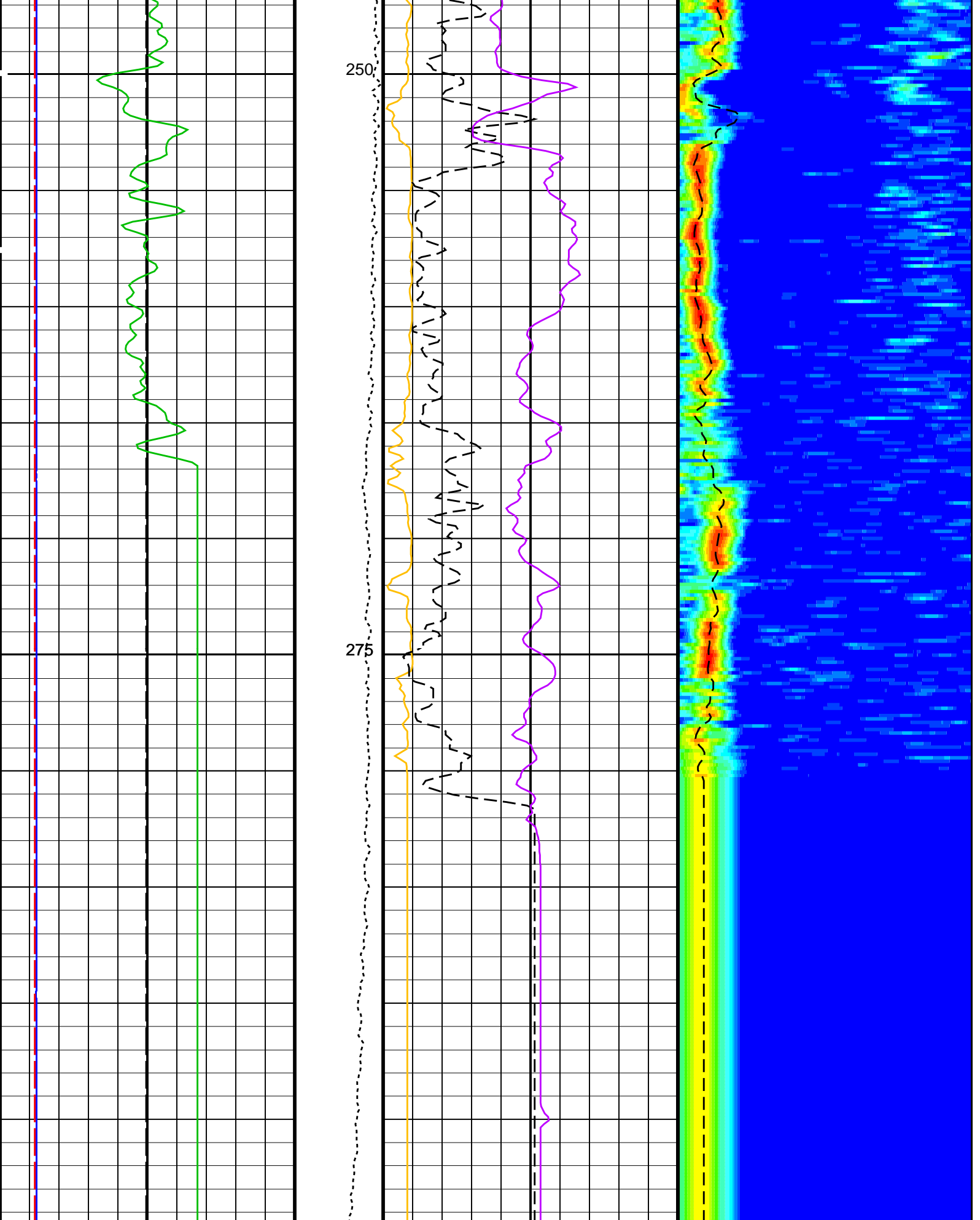












250

275

Bit Size (BS)
(IN)

0 20

Tension
(TENS)
(LBF)

0 5000

Peak Coherence / RA - Lower Dipole
(CHR1)

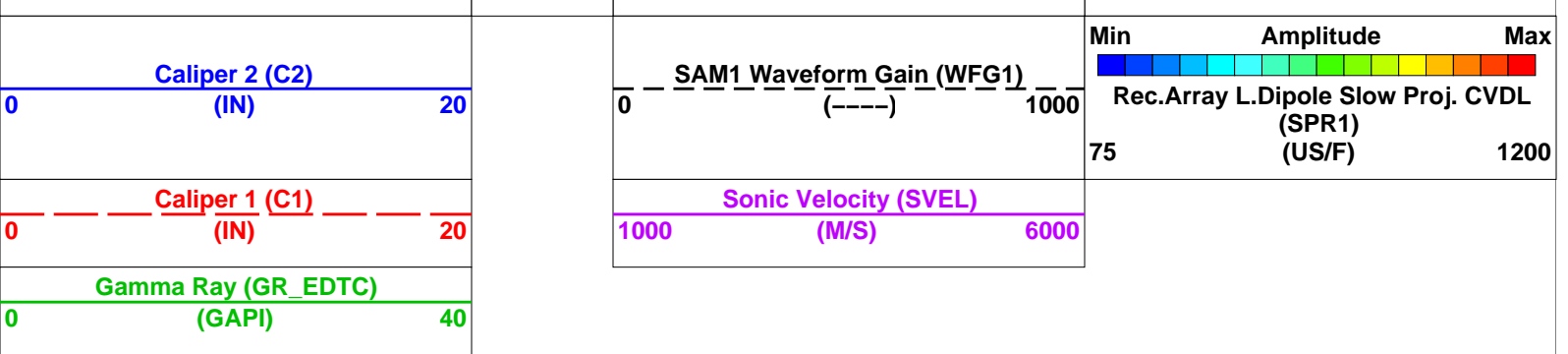
0 10

Delta-T Shear / RA - Lower Dipole
(DT1R)

75 1200

(---)

(US/F)



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
DDE1	Digitizing Delay 1	0 US
DDEX	Digitizing Delay X	0 US
D LCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	75 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1200 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWCX	Digitizer Word Count X	512
LTXG	Lower Dipole Transmitter Geometry	156 IN
NWI1	Number Waveform Items 1	8
NWIX	Number Waveform Items X	0
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	EVEN
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS1	STC Sonic Array Status - Lower Dipole	255
SBO1	STC Search Band Offset - Lower Dipole	3000 US
SBW1	STC Search Bandwidth - Lower Dipole	8000 US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE
SFM1	STC Filter - Lower Dipole	B1-3K
SLL1	STC Slowness Lower Limit - Lower Dipole	75 US/F
SST1	STC Slowness Step - Lower Dipole	4 US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1
SUL1	STC Slowness Upper Limit - Lower Dipole	1200 US/F
SWD1	STC Slowness Width - Lower Dipole	40 US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0 US
TLL1	STC Time Lower Limit - Lower Dipole	600 US
TST1	STC Time Step - Lower Dipole	200 US
TUL1	STC Time Upper Limit - Lower Dipole	20440 US
TWD1	STC Time Width - Lower Dipole	2000 US
TWI1	STC Integration Time Window - Lower Dipole	1600 US
TWSX	Transmitter Waveform Select X	0
WFM1	Waveform Mode 1	W1
System and Miscellaneous		
BS	Bit Size	9.875 IN
DO	Depth Offset for Playback	-3173.0 M
PP	Playback Processing	RECOMPUTE

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26-Sep-2014 12:45

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	File: FMS_DSI_NGS_049LUP	PRODUCER	26-Sep-2014 12:42	3472.5 M	3118.1 M
CLIENT	FMS_DSI_NGS_049PUC	FN:66	PRODUCER	26-Sep-2014 12:45	
		FN:67	CUSTOMER	26-Sep-2014 12:45	

Output DLIS Files



First Pass

MAXIS Field Log

Input DLIS Files

DEFAULT	FMS_DSI_NGS_015LUP	FN:19	PRODUCER	23-Sep-2014 13:16	3458.7 M	3309.8 M
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Output DLIS Files

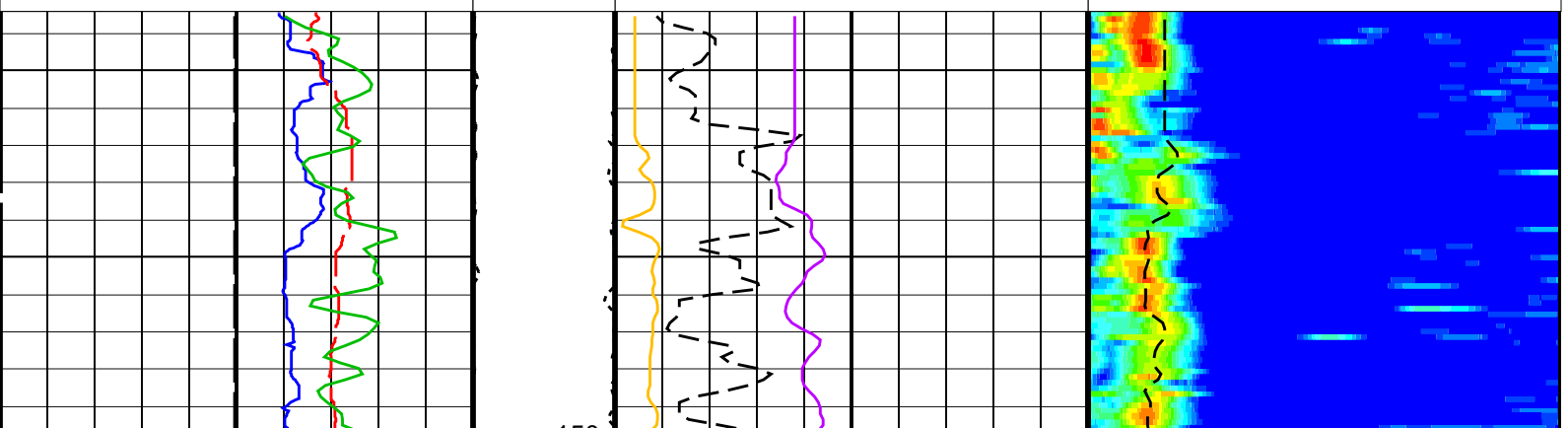
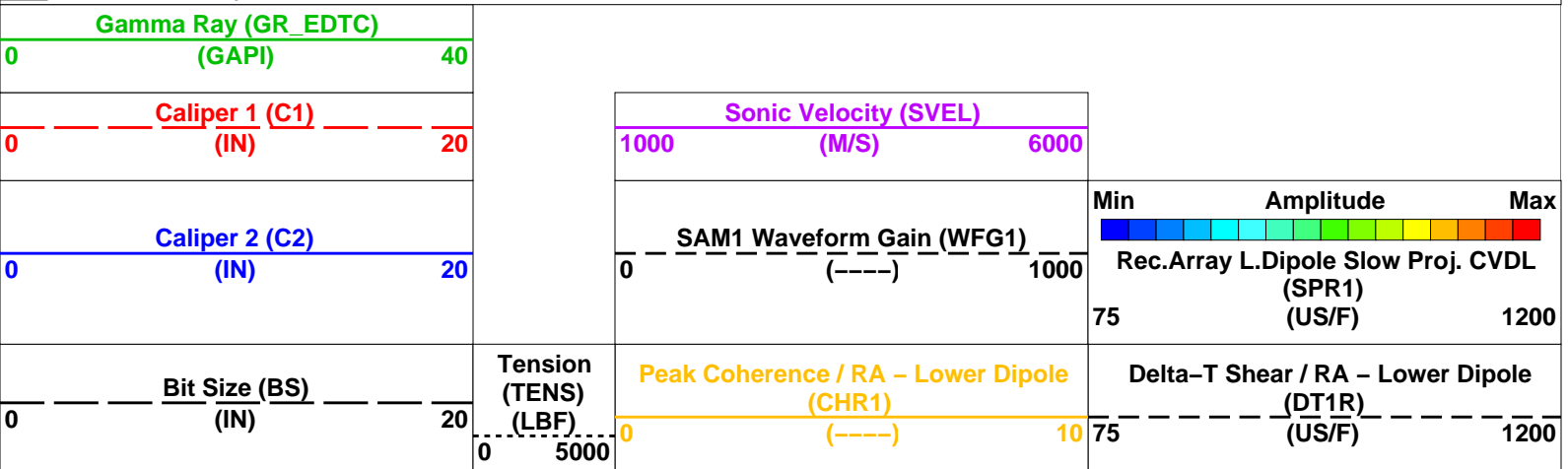
DEFAULT	FMS_DSI_NGS_053PUP	FN:74	PRODUCER	26-Sep-2014 13:00	288.0 M	138.4 M
CLIENT	FMS_DSI_NGS_053PUC	FN:75	CUSTOMER	26-Sep-2014 13:00	288.0 M	138.4 M

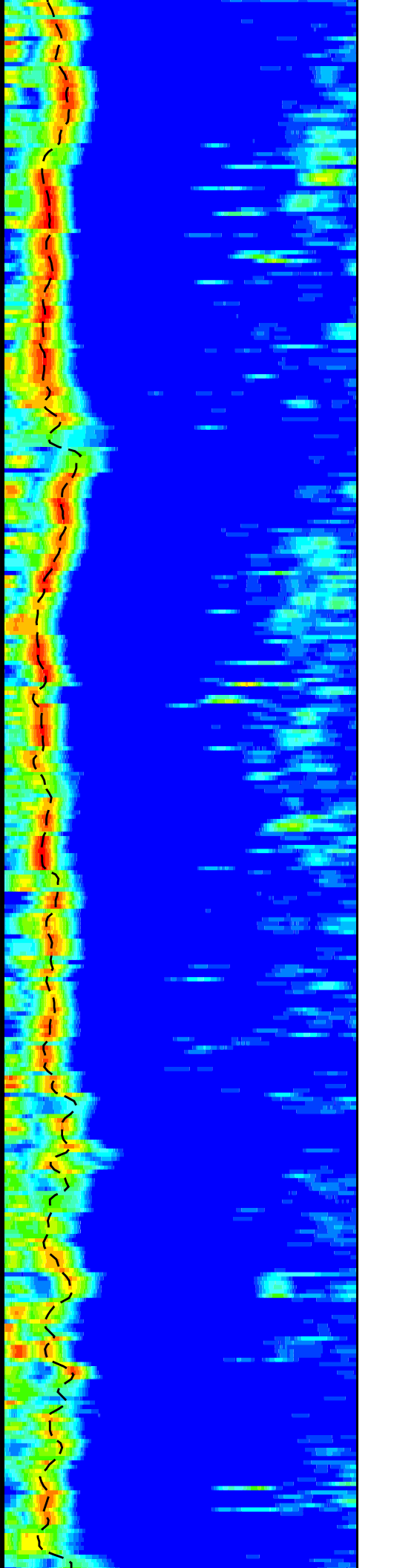
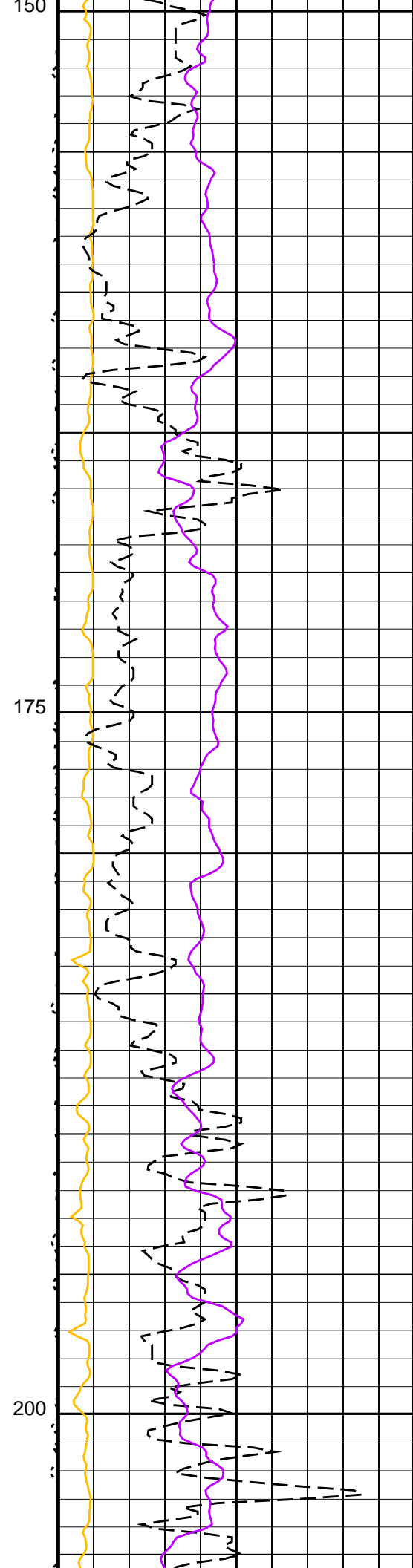
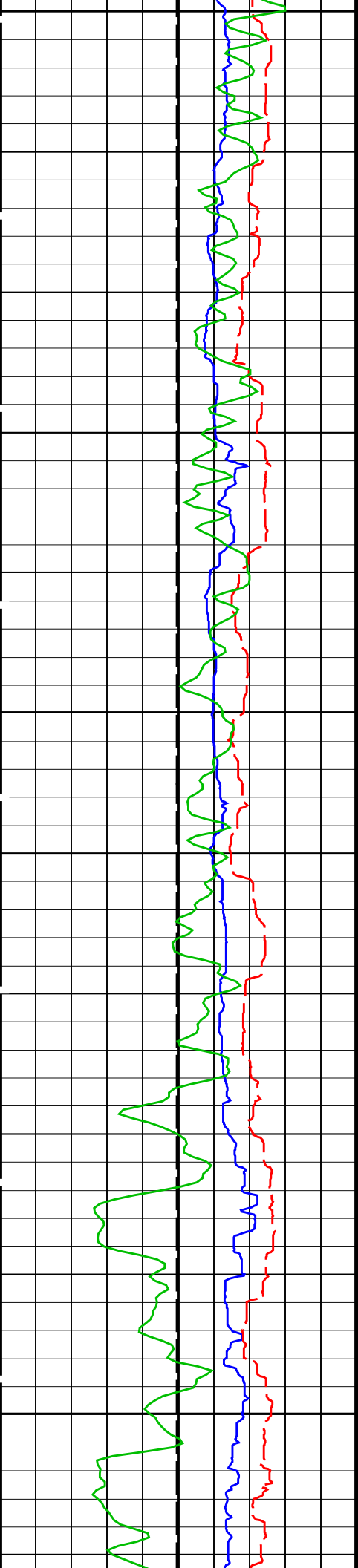
OP System Version: 19C0-187

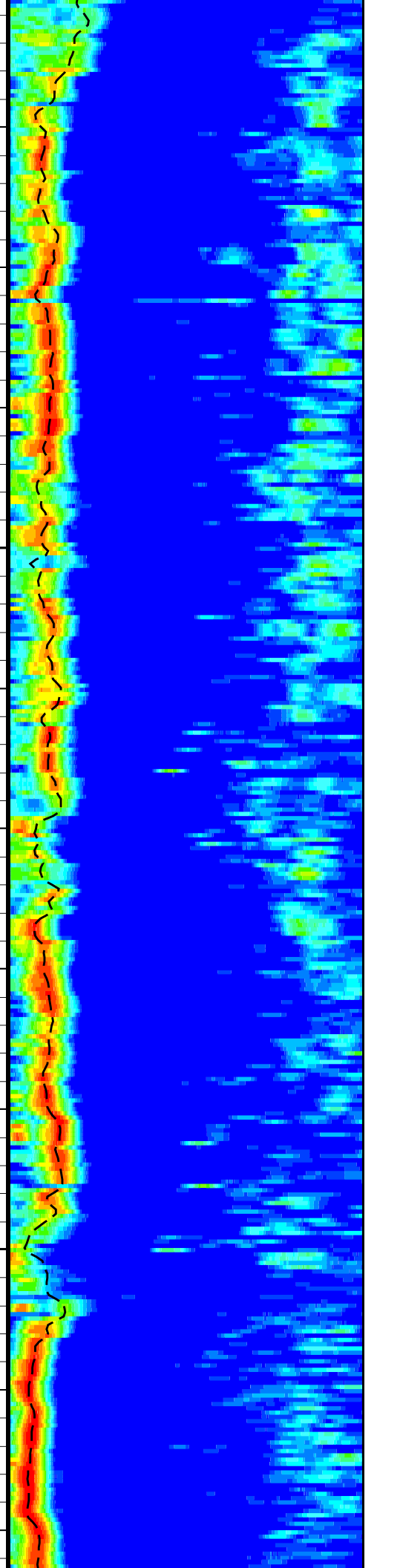
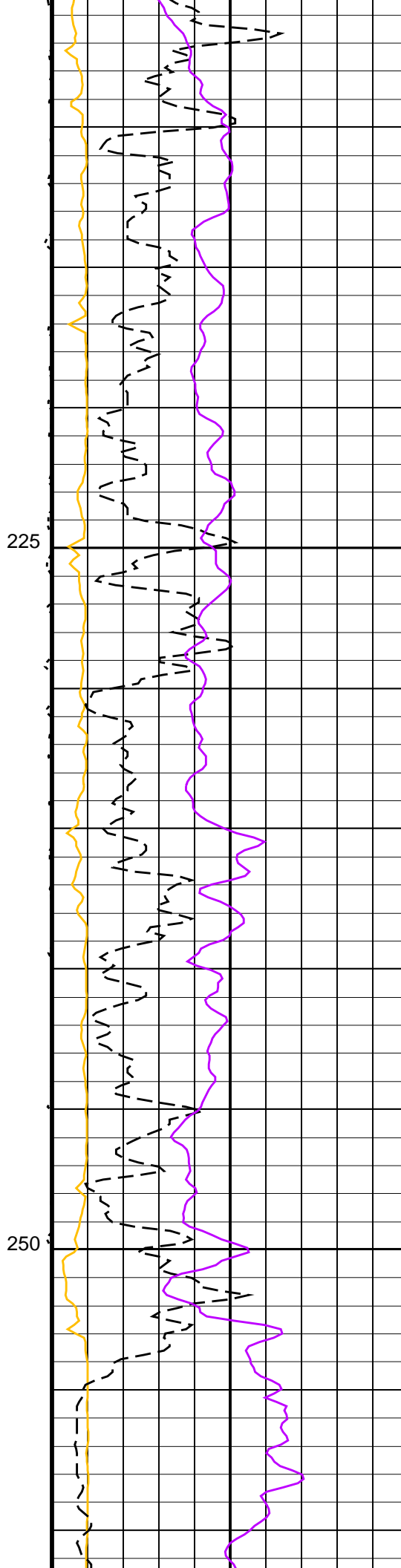
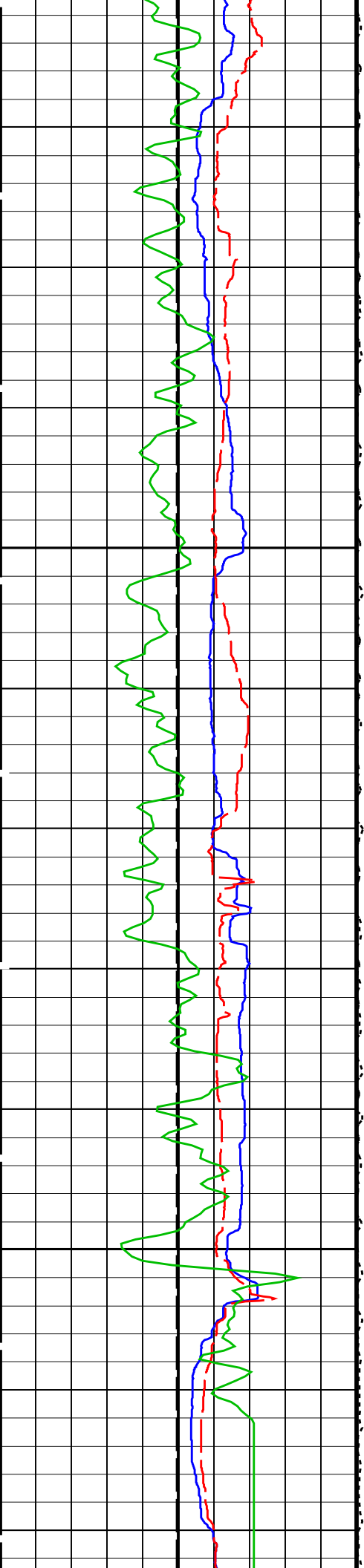
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

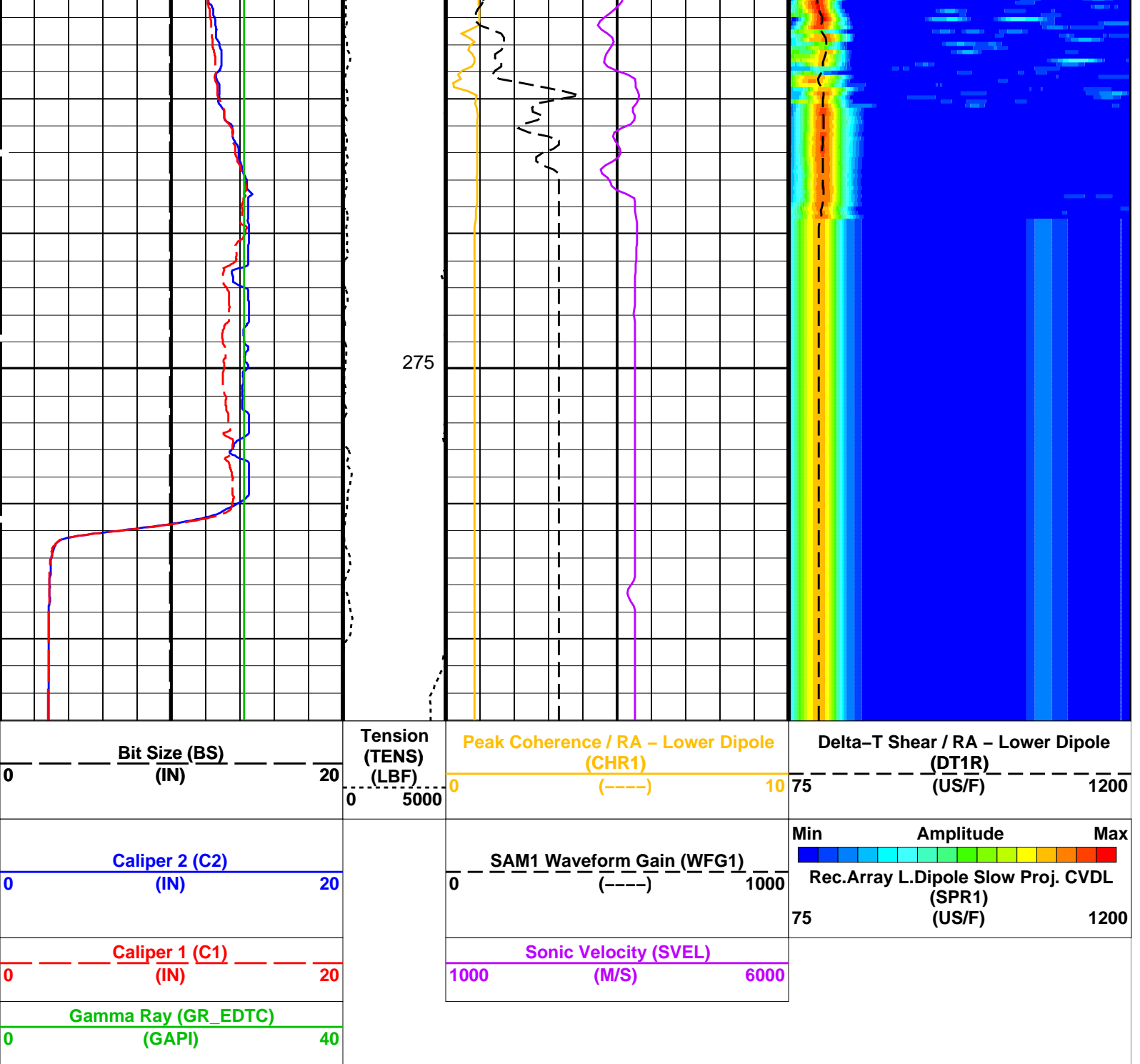
PIP SUMMARY

Time Mark Every 60 S









PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
DDE1	Digitizing Delay 1	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	75 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1200 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWCX	Digitizer Word Count X	512
LTXG	Lower Dipole Transmitter Geometry	156 IN
NWI1	Number Waveform Items 1	8
NWIX	Number Waveform Items X	0
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	EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B1-3K	
SLL1	STC Slowness Lower Limit – Lower Dipole	75	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit – Lower Dipole	1200	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TST1	STC Time Step – Lower Dipole	200	US
TUL1	STC Time Upper Limit – Lower Dipole	20440	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	-3171.5	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26-Sep-2014 13:00

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_NGS_015LUP	FN:19	PRODUCER	23-Sep-2014 13:16	3458.7 M	3309.8 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_053PUP	FN:74	PRODUCER	26-Sep-2014 13:00		
CLIENT	FMS_DSI_NGS_053PUC	FN:75	CUSTOMER	26-Sep-2014 13:00		

Input DLIS Files

DEFAULT	FMS_DSI_NGS_016LUP	FN:20	PRODUCER	23-Sep-2014 13:53	3458.7 M	3164.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_054PUP	FN:76	PRODUCER	26-Sep-2014 13:03	288.0 M	-6.6 M
CLIENT	FMS_DSI_NGS_054PUC	FN:77	CUSTOMER	26-Sep-2014 13:03	288.0 M	-6.6 M

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

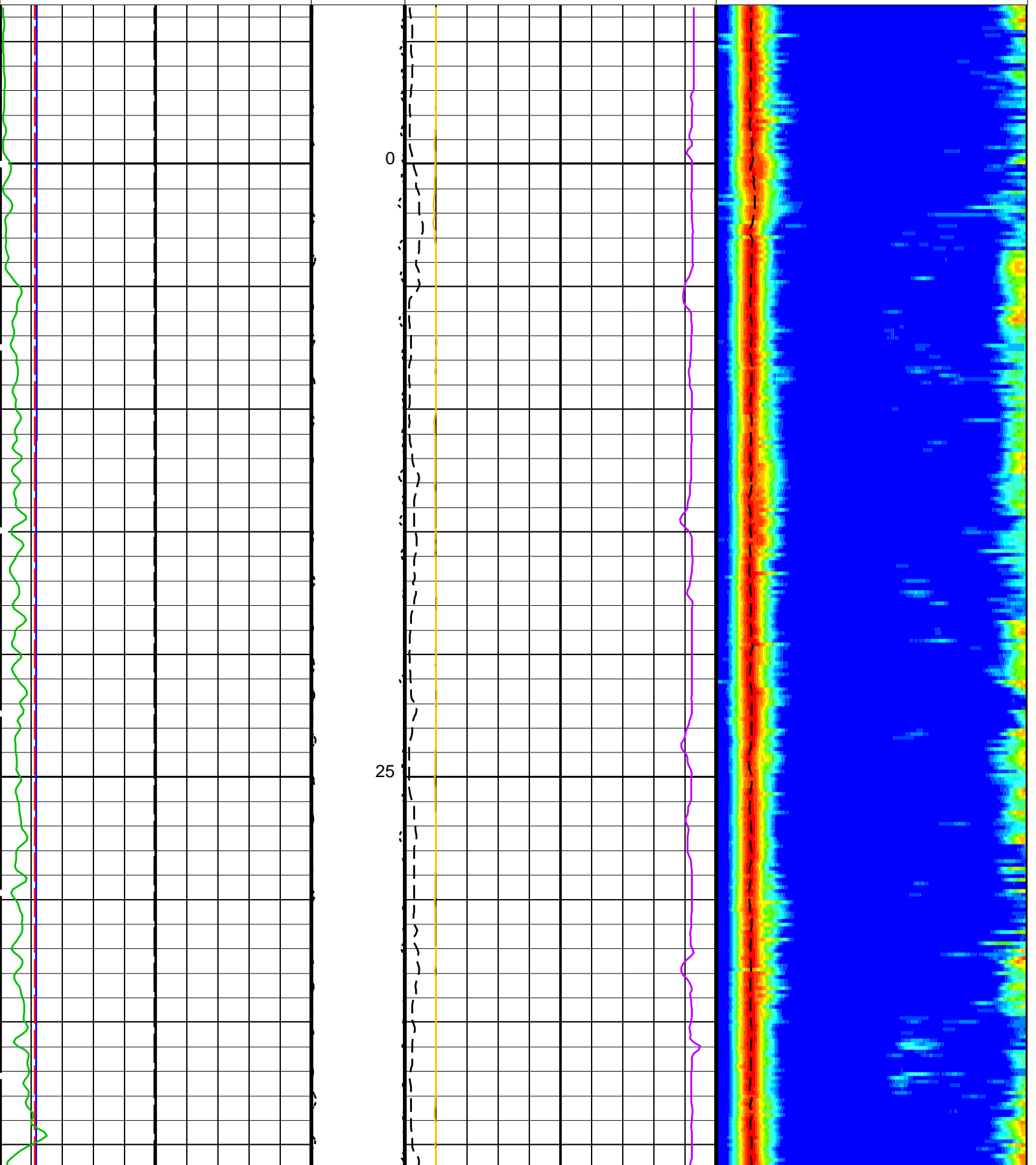
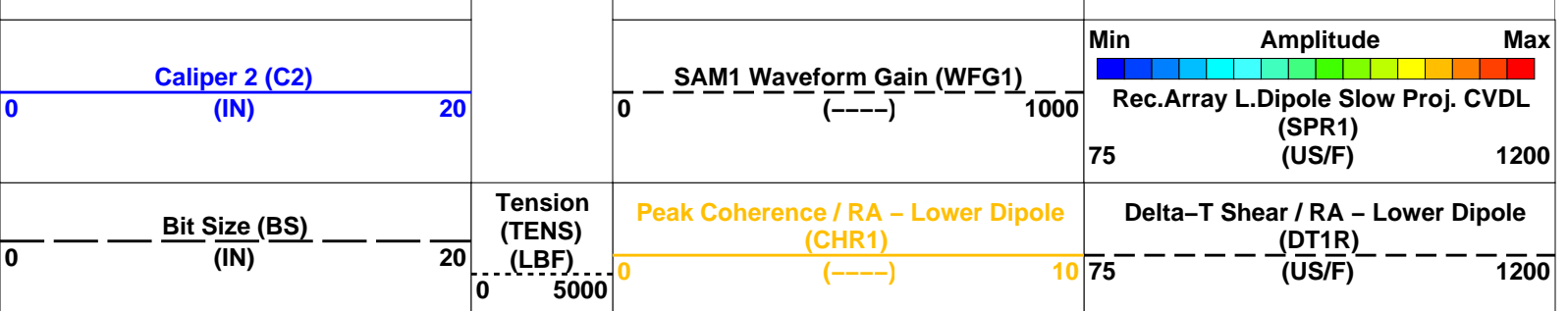
PIP SUMMARY

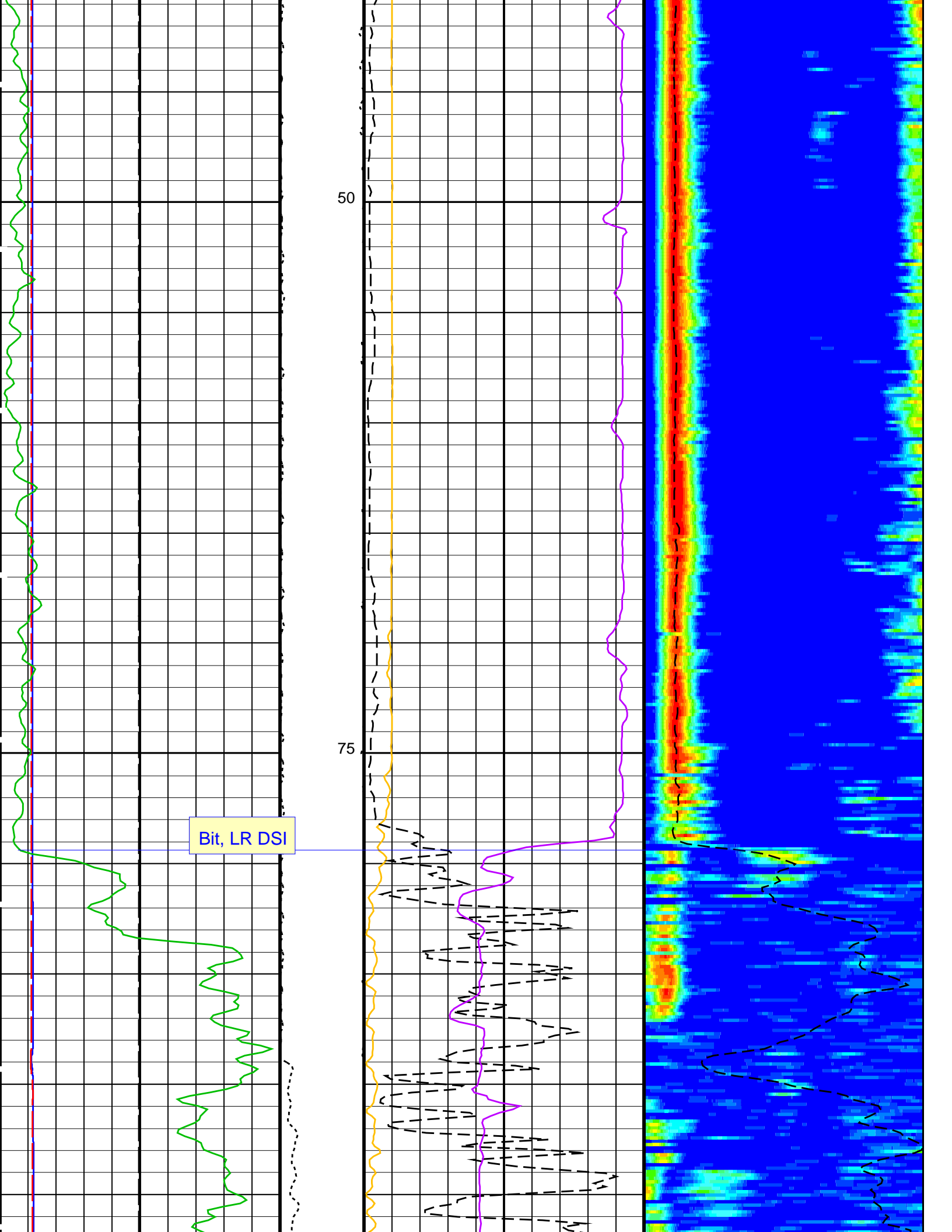
Time Mark Every 60 S

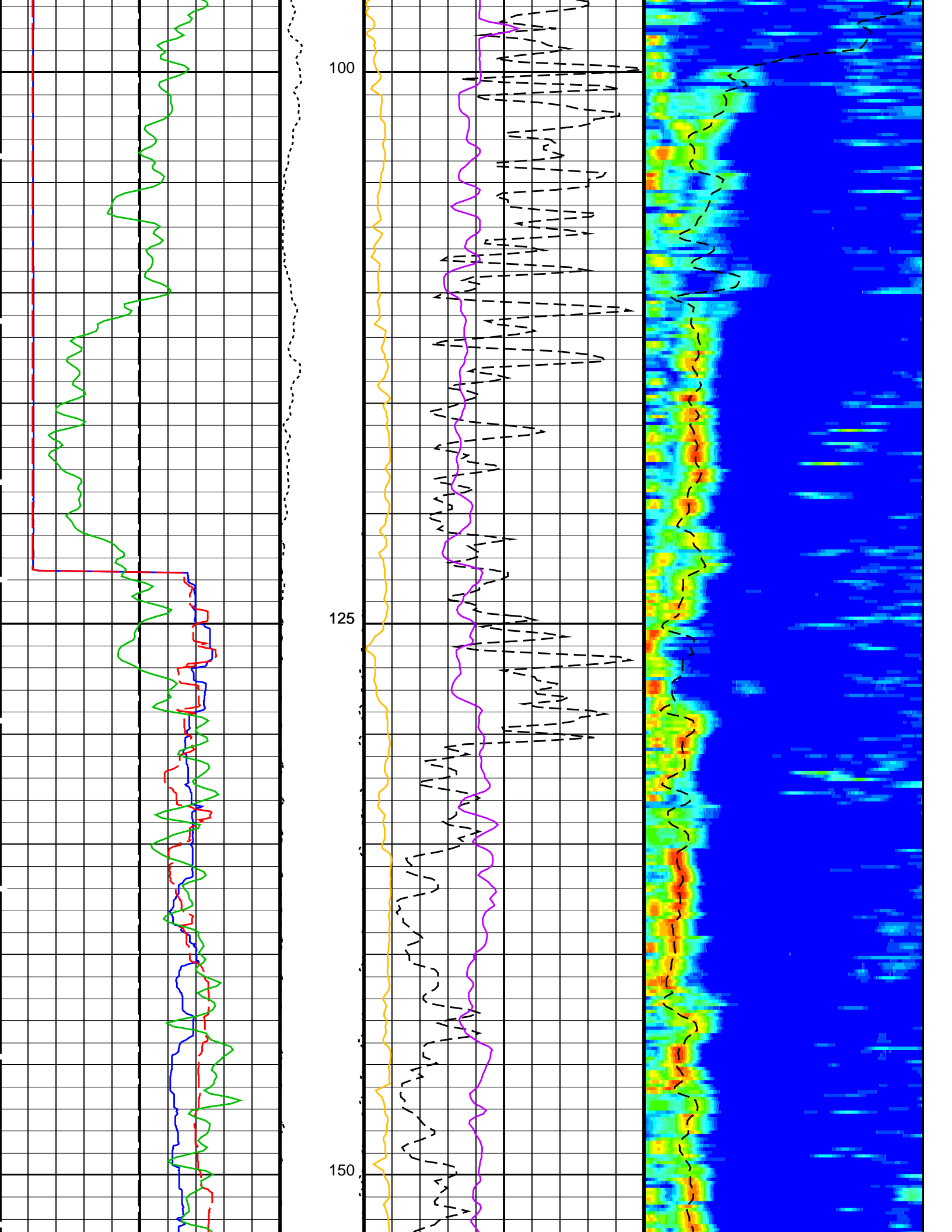
Gamma Ray (GR_EDTC)		
0	(GAPI)	40

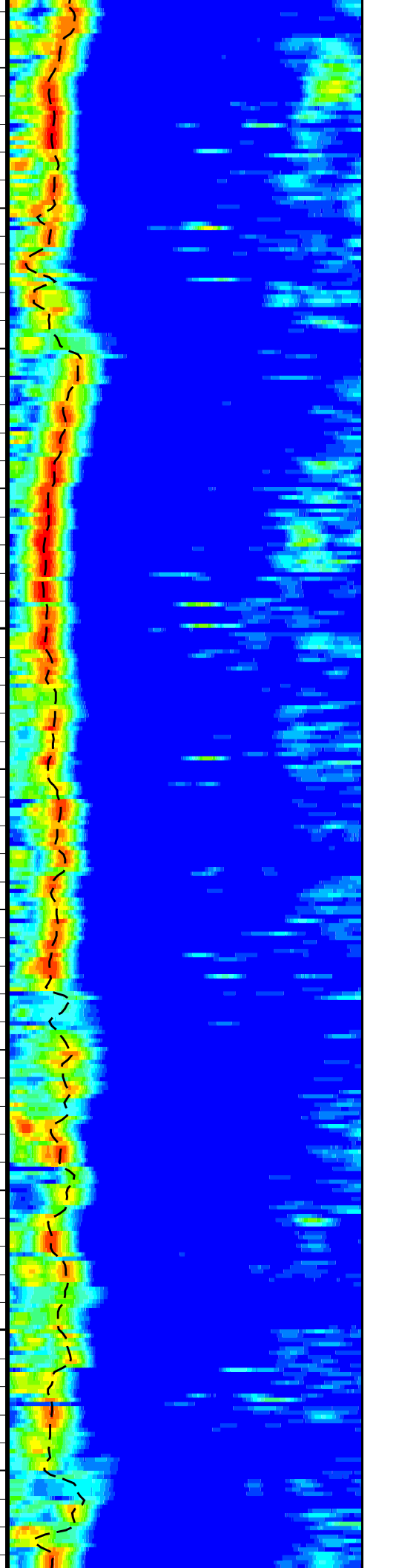
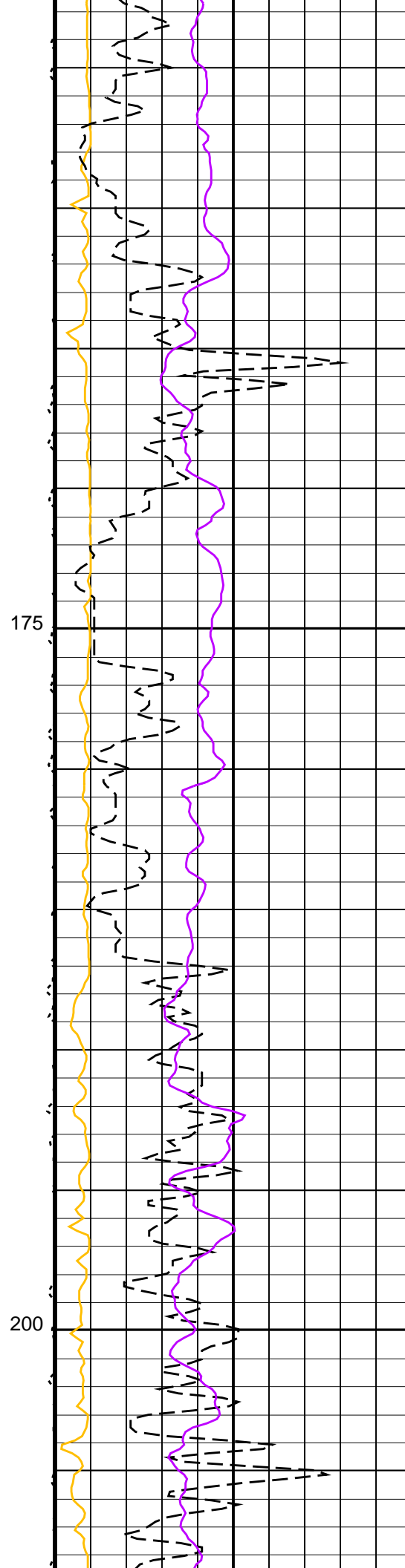
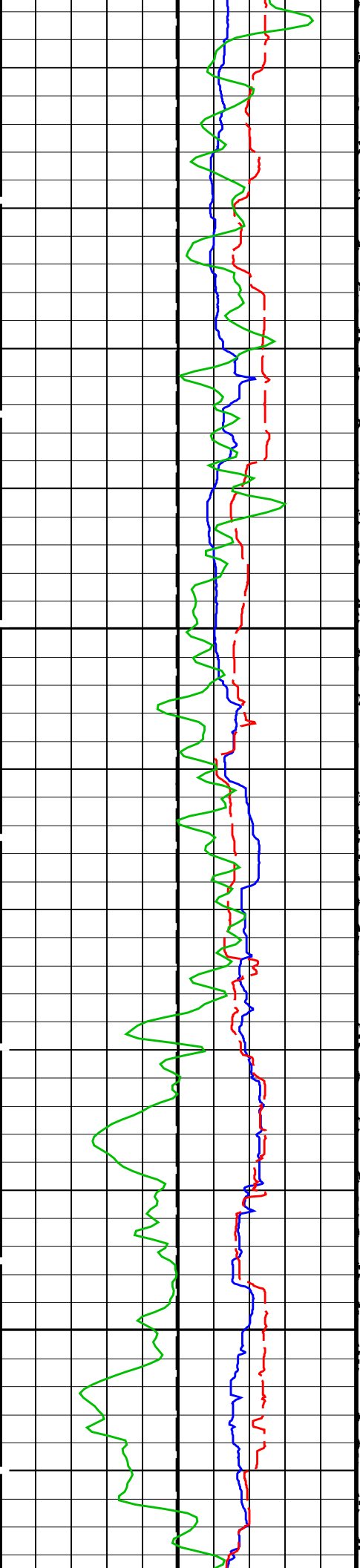
Caliper 1 (C1)		
0	(IN)	20

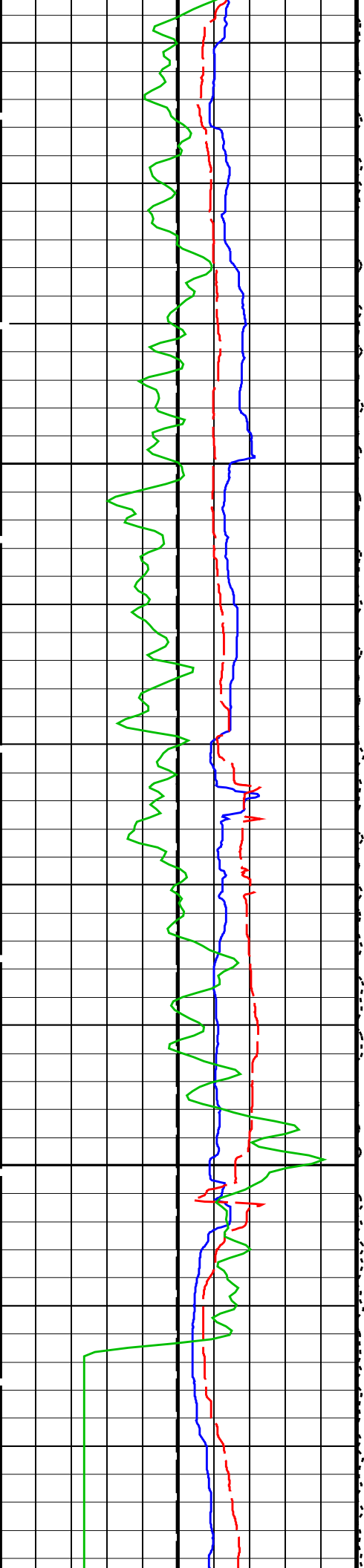
Sonic Velocity (SVEL)		
1000	(M/S)	6000





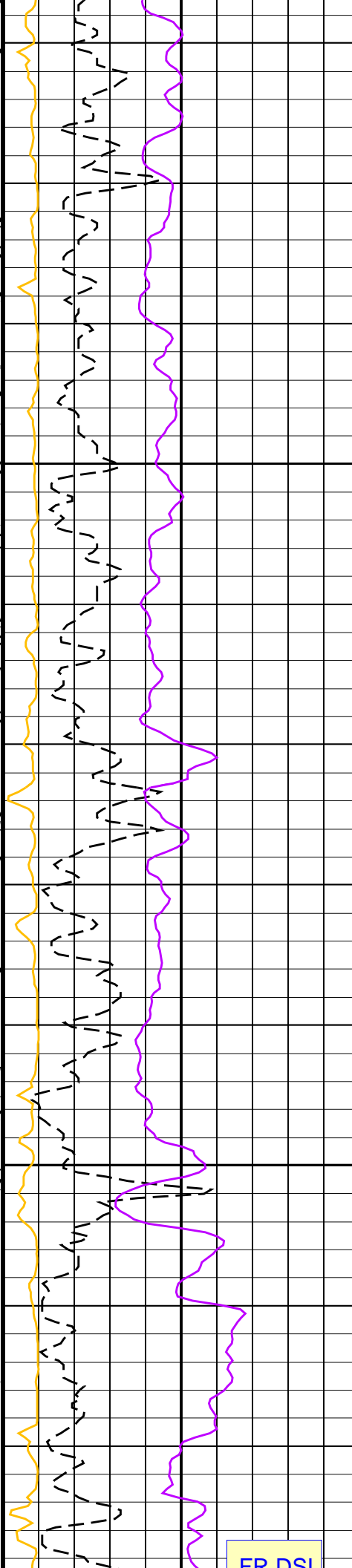




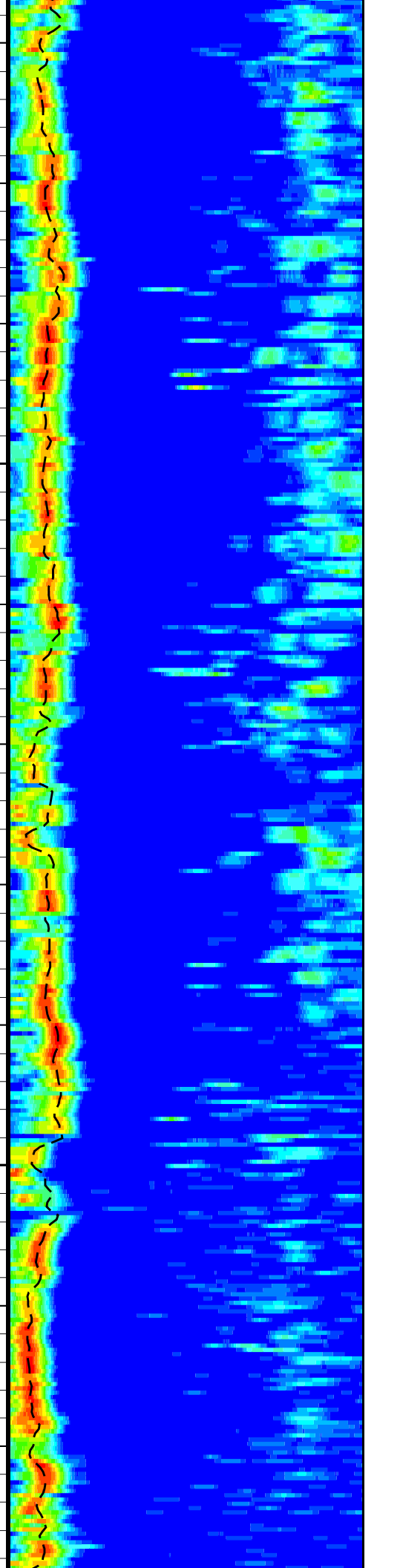


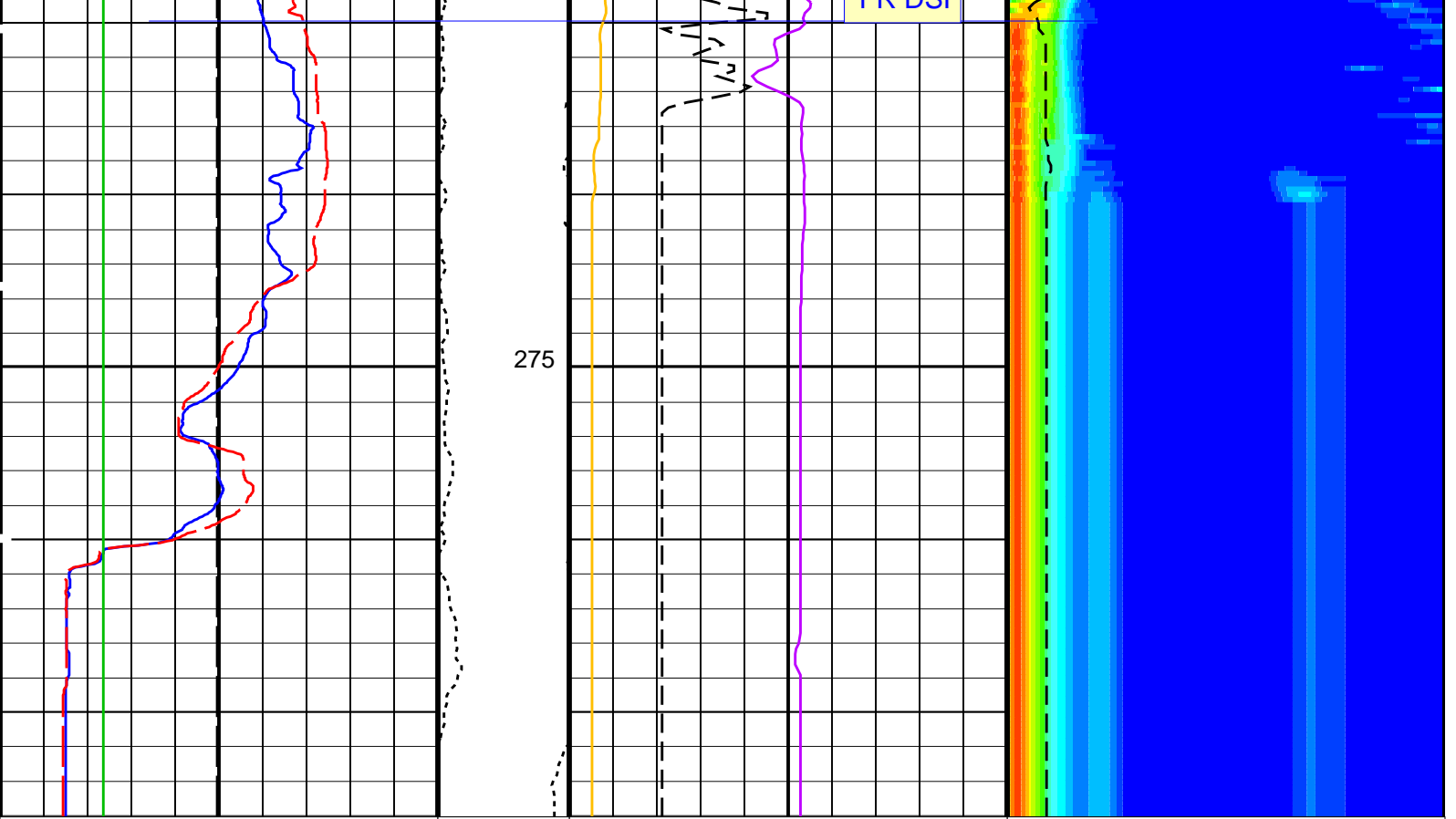
225

250



EP 22





0	20	0	5000	0	10	75	1200					
Bit Size (BS) (IN)		Tension (TENS) (LBF)	Peak Coherence / RA - Lower Dipole (CHR1) (-----)		Delta-T Shear / RA - Lower Dipole (DT1R) (US/F)							
0	20	0	1000	0	1000	75	1200					
Caliper 2 (C2) (IN)		SAM1 Waveform Gain (WFG1) (-----)		<table border="1"> <tr> <td>Min</td> <td>Amplitude</td> <td>Max</td> </tr> <tr> <td>75</td> <td>Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)</td> <td>1200</td> </tr> </table>			Min	Amplitude	Max	75	Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)	1200
Min	Amplitude	Max										
75	Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)	1200										
0	20	1000	6000									
Caliper 1 (C1) (IN)		Sonic Velocity (SVEL) (M/S)										
0	40											
Gamma Ray (GR_EDTC) (GAPI)												

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
DDE1	Digitizing Delay 1	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	75 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1200 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWCX	Digitizer Word Count X	512
LTXG	Lower Dipole Transmitter Geometry	156 IN
NWI1	Number Waveform Items 1	8
NWIX	Number Waveform Items X	0
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 7 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B1-3K	
SLL1	STC Slowness Lower Limit – Lower Dipole	75	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit – Lower Dipole	1200	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TST1	STC Time Step – Lower Dipole	200	US
TUL1	STC Time Upper Limit – Lower Dipole	20440	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	-3171.5	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26-Sep-2014 13:03

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_NGS_016LUP	FN:20	PRODUCER	23-Sep-2014 13:53	3458.7 M	3164.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_054PUP	FN:76	PRODUCER	26-Sep-2014 13:03
CLIENT	FMS_DSI_NGS_054PUC	FN:77	CUSTOMER	26-Sep-2014 13:03

Schlumberger

Second Pass

MAXIS Field Log

Schlumberger

Calibrations

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: Calibration out of date 3-Feb-2014 19:22							
Caliper 1 Zero Measurement	12.00	N/A	11.98	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.05	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.18	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.38	N/A	N/A	N/A	IN
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 23-Sep-2014 10:45							
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: 23-Sep-2014 10:45							
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: 15-Jul-2014 0:16 Before: 23-Sep-2014 3:43 After: 23-Sep-2014 9:35							
Na 511 Peak Loc	40.00	39.57	39.57	39.68	0.1186	1.000	
Na 511 Peak Res	15.50	15.78	15.35	14.71	-0.6379	2.000	%
High Voltage	1150	1197	1187	1186	-0.7285	N/A	V
Na 1785 Peak Loc	142.6	142.4	141.8	142.6	0.7831	7.000	
Na 1785 Peak Res	8.500	9.334	8.462	9.740	1.278	2.000	%
Temperature	15.50	37.42	35.70	33.88	-1.827	N/A	DEGC
Na Count Rate	45.00	10.91	9.927	9.941	0.01461	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: 15-Jul-2014 0:16 Before: 23-Sep-2014 3:43 After: 23-Sep-2014 9:35							
Na 511 Peak Loc	40.00	39.46	39.49	39.67	0.1857	1.000	
Na 511 Peak Res	15.50	16.20	15.66	15.36	-0.2991	2.000	%
High Voltage	1150	1129	1121	1132	10.84	N/A	V
Na 1785 Peak Loc	142.6	141.8	140.7	142.8	2.092	7.000	
Na 1785 Peak Res	8.500	10.06	8.501	8.168	-0.3334	2.000	%
Temperature	15.50	38.37	35.89	35.35	-0.5446	N/A	DEGC
Na Count Rate	45.00	11.54	10.34	10.12	-0.2134	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 15-Jul-2014 0:16 Before: 23-Sep-2014 3:43 After: 23-Sep-2014 9:35							
Coincidence Count Rate Ratio	1.000	0.9495	0.9661	0.9843	0.01826	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 23-Sep-2014 3:45							
EDTC Z-Axis Acceleration	9.810	N/A	9.750	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 23-Sep-2014 3:36 After: 23-Sep-2014 9:32							
Gamma Ray (Jig – Bkg)	160.3	N/A	160.3	155.0	-5.277	14.57	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	159.6	-5.432	15.00	GAPI

Micro Electrical Scanner – B (Slim) / Equipment Identification

Primary Equipment:		
MEST Sonde – B	MEDS – B	724
MEST Preamplifier Cartridge – AB	MEPC – AB	807
GPIT Cartridge – AC	GPIC – AC	840
MEST Acquisition Cartridge – A	MEAC – A	875
Auxiliary Equipment:		
MEST-B Preamplifier Cartridge Housing	MEPH – A	702
MEST Acquisition Cartridge Housing (Slim)	MEAH – B	769

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment:		
HNGC Cartridge	HNGC – B	300

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:
HNGS Sonde

HNGS - BA 194

Auxiliary Equipment:
HNGS Sonde Housing
Gamma Source Radioactive

HNSH - BA 205
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		39.57	Master		15.78	Master		1197
Before		39.57	Before		15.35	Before		1187
After		39.68	After		14.71	After		1186
	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		142.4	Master		9.334	Master		37.42
Before		141.8	Before		8.462	Before		35.70
After		142.6	After		9.740	After		33.88
	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		10.91						
Before		9.927						
After		9.941						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 15-Jul-2014 0:16			Before: 23-Sep-2014 3:43			After: 23-Sep-2014 9:35		



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		39.46	Master		16.20	Master		1129
Before		39.49	Before		15.66	Before		1121
After		39.67	After		15.36	After		1132
	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		141.8	Master		10.06	Master		38.37
Before		140.7	Before		8.501	Before		35.89
After		142.8	After		8.168	After		35.35
	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		11.54						
Before		10.34						
After		10.12						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 15-Jul-2014 0:16			Before: 23-Sep-2014 3:43			After: 23-Sep-2014 9:35		


Hostile Natural Gamma Ray Sonde Wellsite Calibration




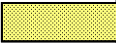


Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value
Master	EXCEEDS LIMIT	0.9495
Before		0.9661
After		0.9843
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: 15-Jul-2014 0:16		
Before: 23-Sep-2014 3:43		
After: 23-Sep-2014 9:35		

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		9.750
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	
Before: 23-Sep-2014 3:45		

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		1.756	Before		160.3	Before		165.0	
After		7.977	After		155.0	After		159.6	
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			145.7 (Minimum) 160.3 (Nominal) 174.9 (Maximum)			150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)		
Before: 23-Sep-2014 3:36			After: 23-Sep-2014 9:32						

Company: **Lamont Doherty Earth Observatory**

Schlumberger

Well: **Expedition 352, Site U1442A**

Field: **IBM-3 Forearc**

Rig: **JOIDES Resolution**

Country:

DSI Dipole Sonic Imager
Lower Dipole