Schlumberger

Company: **Lamont Doherty Earth Observatory**

Well: **Expedition 340, Site U1397B**
Field: **Lesser Antilles Volcanism and Landslides**
Rig: **JOIDES Resolution** Ocean: **Caribbean**

Rig: JOIDES Resolution
Field: Lesser Antilles Volcanism and La
Location: Latitude: N 14* 54.41'
Well: Expedition 340, Site U1397B
Company: Lamont Doherty Earth Observato

Dipole Shear Sonic
Monopole Compressional, Dipole Shear
Gamma Ray

LOCATION

Latitude: N 14* 54.41'
Longitude: W 61* 25.35'

Elev.: K.B. −2492.90 m
G.L. 0.00 m
D.F. −2492.90 m

Permanent Datum: Sea Floor — Elev.: 0.00 m
Log Measured From: Sea Floor — 0.00 m above Perm. Datum
Drilling Measured From: Sea Floor

API Serial No.	Max. Hole Devi. 0 deg	Longitude W 61* 25.35	Latitude N 14* 54.41'

Logging Date			23−Mar−2012						Logging Date						
Run Number			1						Run Number						
Depth Driller			253 m						Depth Driller						
Schlumberger Depth			223 m						Schlumberger Depth						
Bottom Log Interval			223 m						Bottom Log Interval						
Top Log Interval			0 m						Top Log Interval						
Casing Driller Size @ Depth			13.375 in	@	81 m		@		Casing Driller Size @ Depth		@				
Casing Schlumberger			80 m						Casing Schlumberger						
Bit Size			11.438 in						Bit Size						
Type Fluid In Hole			Seawater						Type Fluid In Hole						
MUD	Density	Viscosity	1.0784 g/cm3						MUD	Density	Viscosity				
	Fluid Loss	PH								Fluid Loss	PH				
	Source Of Sample		N/A							Source Of Sample					
RM @ Measured Temperature				@			@		RM @ Measured Temperature		@				
RMF @ Measured Temperature				@			@		RMF @ Measured Temperature		@				
RMC @ Measured Temperature				@			@		RMC @ Measured Temperature		@				
Source RMF	RMC		N/A	N/A					Source RMF	RMC					
RM @ MRT	RMF @ MRT		@ 21	@ 21		@	@		RM @ MRT	RMF @ MRT	@	@			
Maximum Recorded Temperatures			21 degC						Maximum Recorded Temperatures						
Circulation Stopped		Time	23−Mar−2012		3:00				Circulation Stopped		Time				
Logger On Bottom		Time	23−Mar−2012		15:15				Logger On Bottom		Time				
Unit Number	Location		625003	Houston					Unit Number	Location					
Recorded By			K. Swain						Recorded By						
Witnessed By			A. Slagle, S. Morgan						Witnessed By						

	Run 1	Run 2	Run

Run 3

Run 4

DISCLAIMER

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OTHER SERVICES1	OTHER SERVICES2
OS1: HRLA	OS1:
OS2: MSS	OS2:
OS3: Caliper	OS3:
OS4: HNGS	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Hole drilled with APC/XCB coring bit and bottom hole assembly (BHA). 11 7/16" BS	
SAM1−LowFrequency Lower Dipole=DT1R	
SAM2−Standard Frequency Upper Dipole= DT2R	
SAM4−Monopole Standard Frequency Compressional = DTRP	
FMS calipers opened on bottom but formation fill may have been preventing the	
calipers from fully opening for several meters.	
Calipers closed before drill pipe to avoid damage.	
DSI run with 2 MCD centralizer tools.	

RUN 1

SERVICE ORDER #:
PROGRAM VERSION: 19C0−187
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

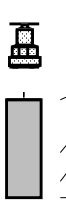
WITM (EDTS)−A 1

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



31.88

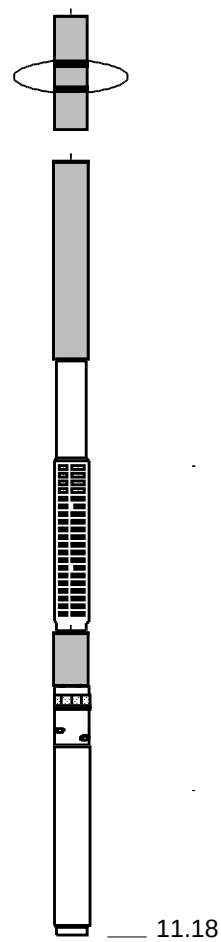
30.99

AH−MCD
AH−MCD 1

29.01

DSST−B
SPAC−B 16
ECH−SD 16
SMDR−BD 8232
SSIJ−BA 8192
SMDX−AA 8194

26.73



PWF 11.18

AH−MCD
AH−MCD 1

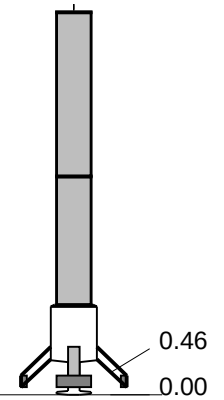
11.18

DTA−A
ECH−KE 8451
DTA−A 8259

8.90

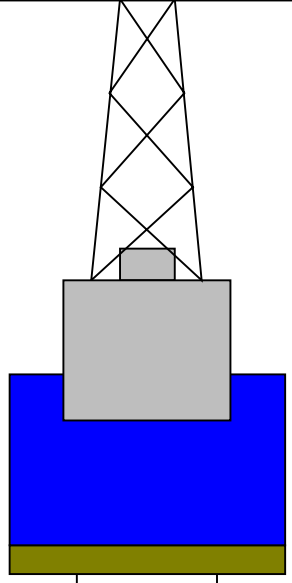
MEST−B
MEAH−B 726
MEAC−A 875
MEPH−A 702
GPIC−AC 840
MEPC−AB 807
MEDS−B 702

7.68



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

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

Kelly Bushing Elevation	2492.9				
Derrick Floor Elevation	2492.9				
Mean Sea Level	2481.9				
				4.1	
			0	3.80	Sea Floor
			81	11.43	Open Hole
			253		Total Depth

Input DLIS Files

DEFAULT	FMS_DSI_055PUP	FN:72	PRODUCER	24−Mar−2012 21:21	2699.6 M	2482.3 M

Output DLIS Files

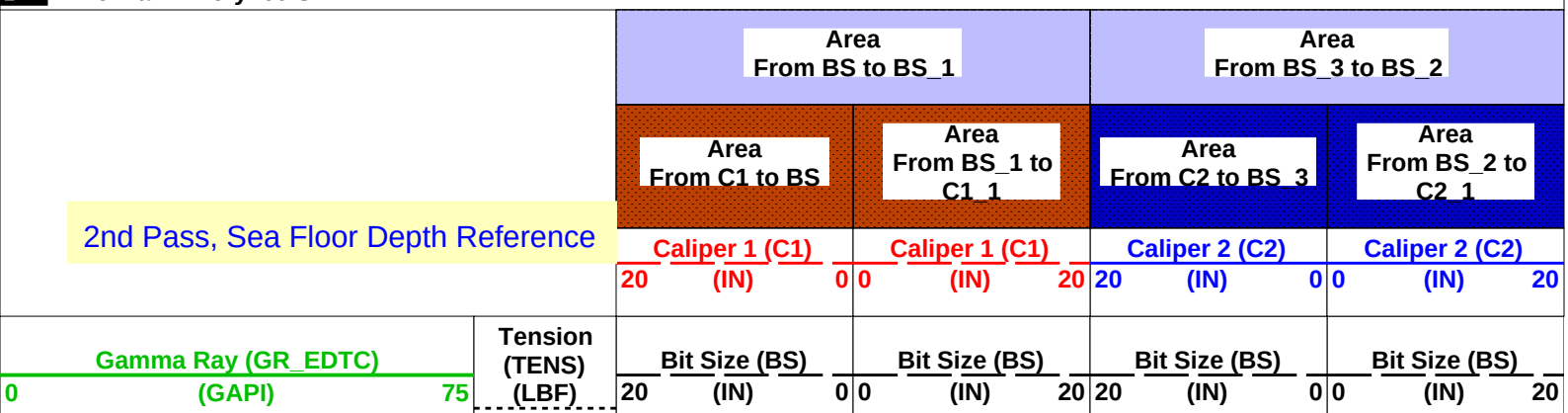
DEFAULT	FMS_DSI_057PUP	FN:74	PRODUCER	24−Mar−2012 21:25	208.6 M	−8.7 M

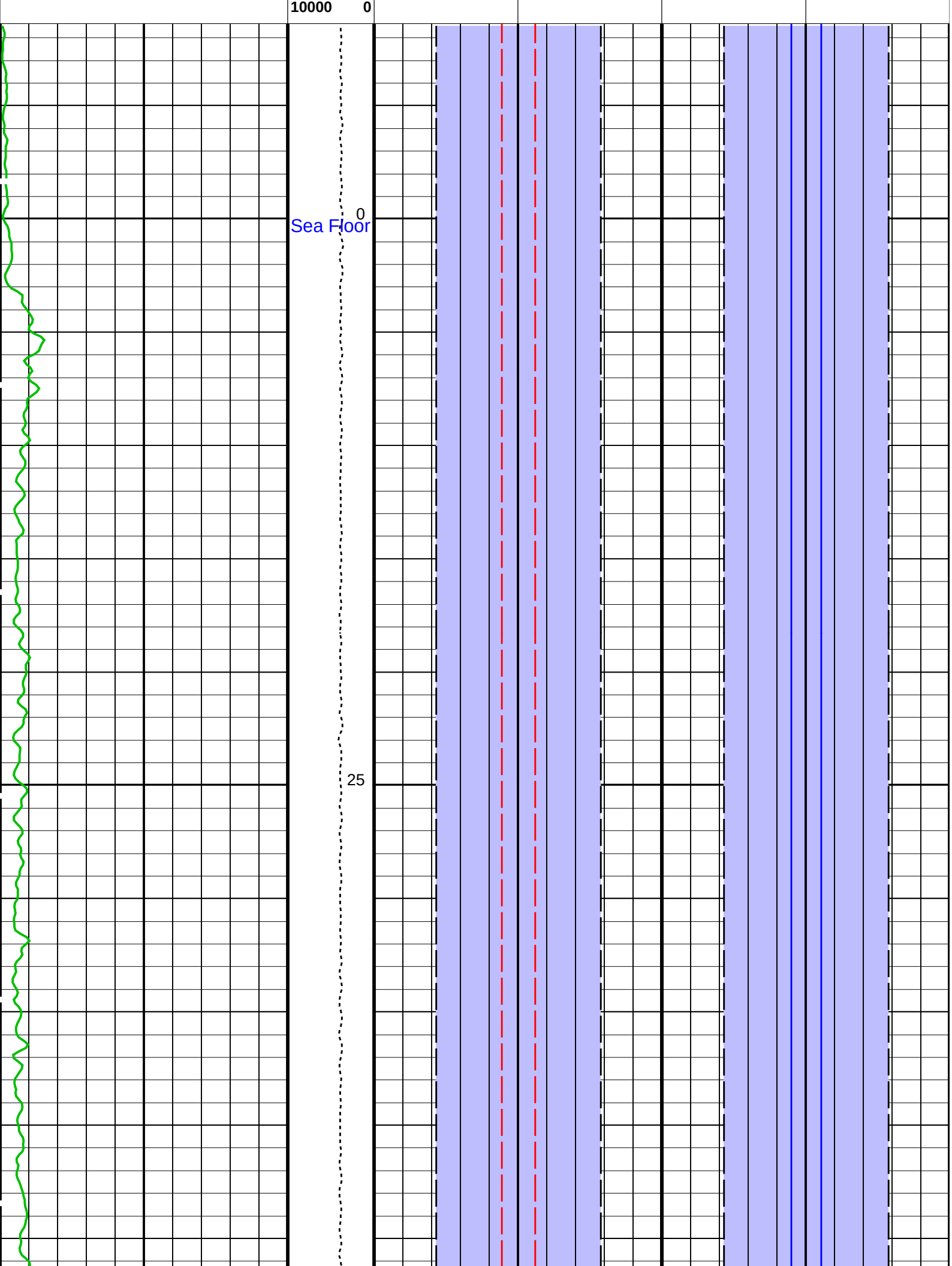
OP System Version: 19C0−187

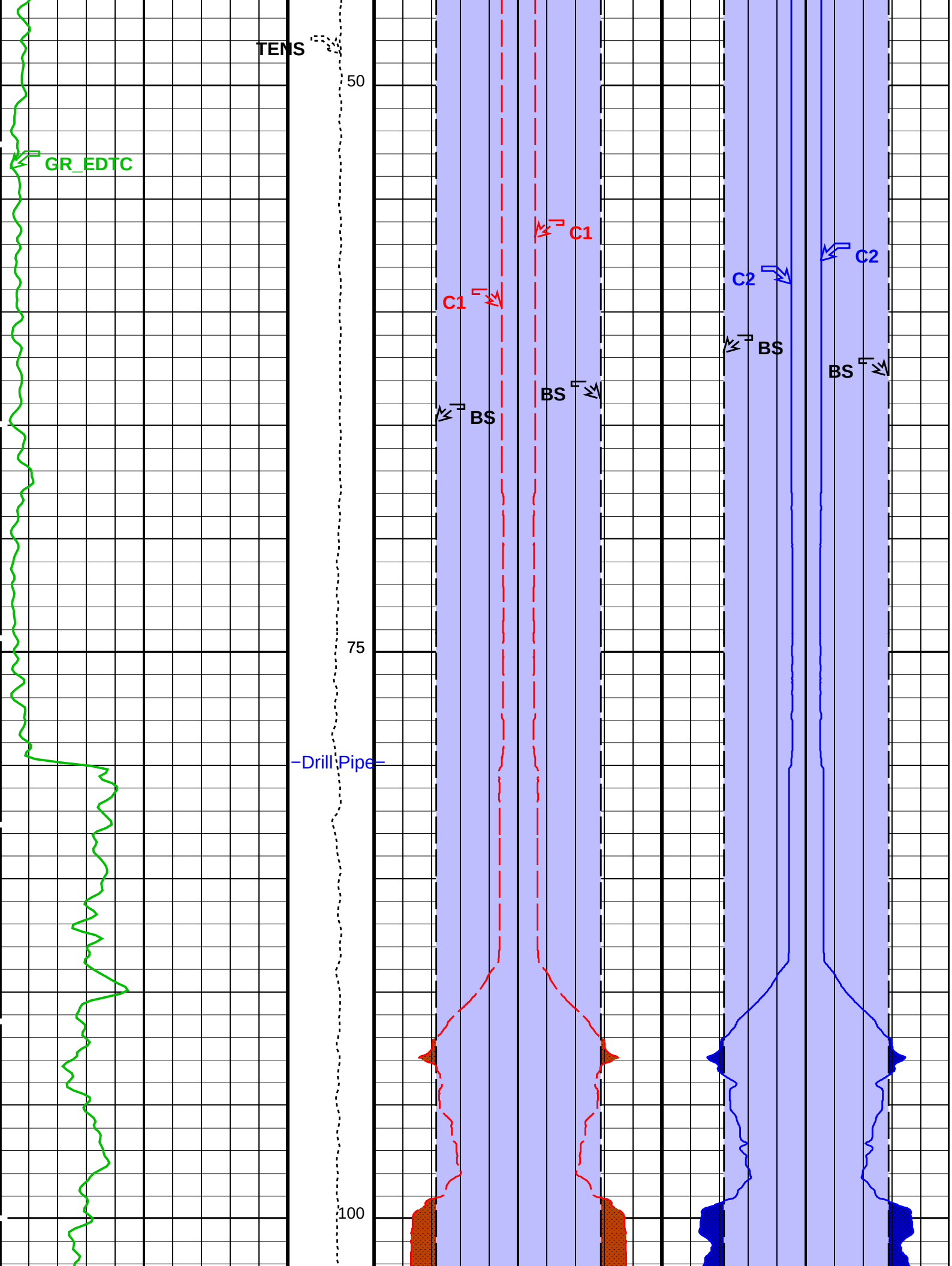
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

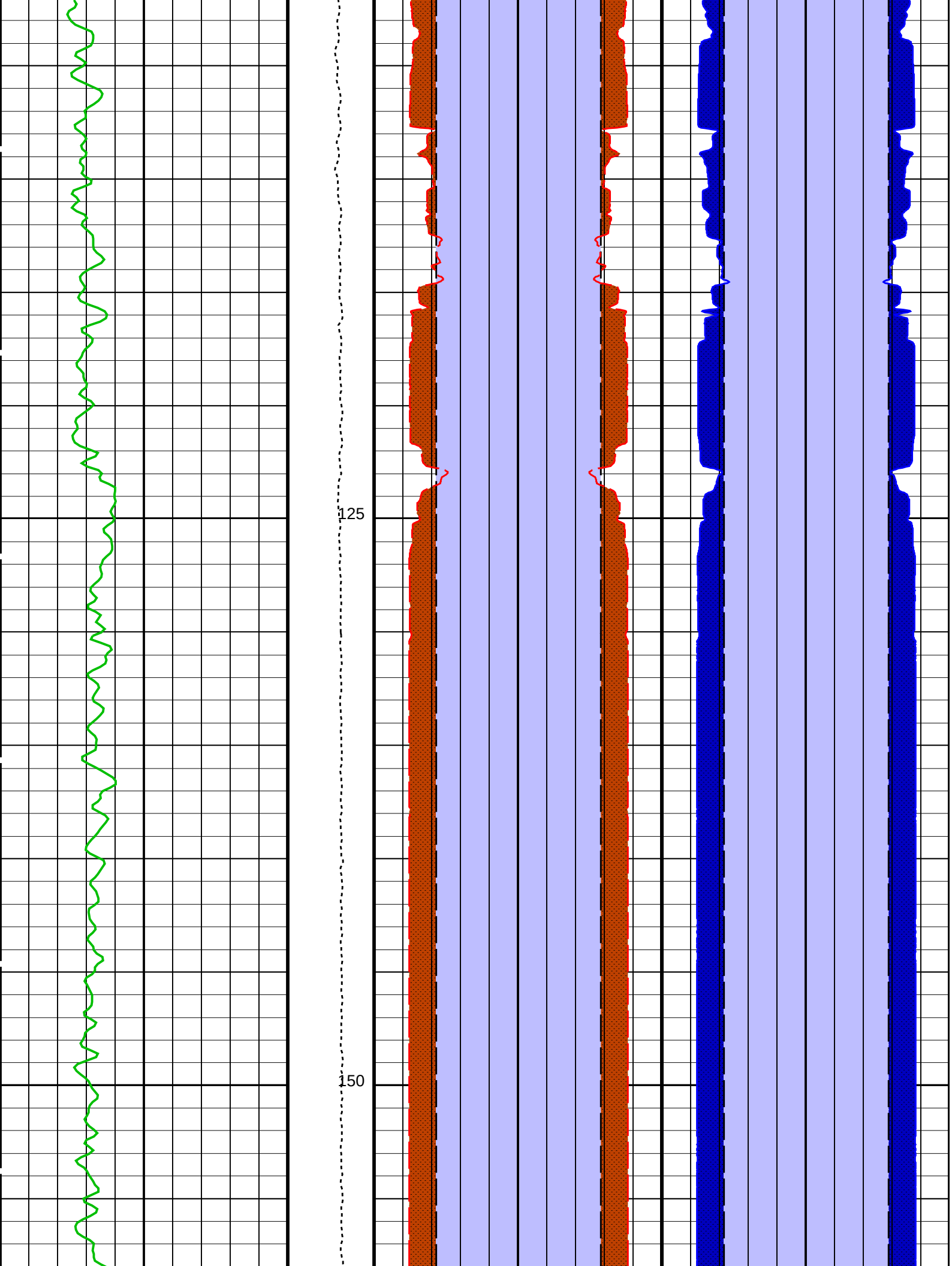
PIP SUMMARY

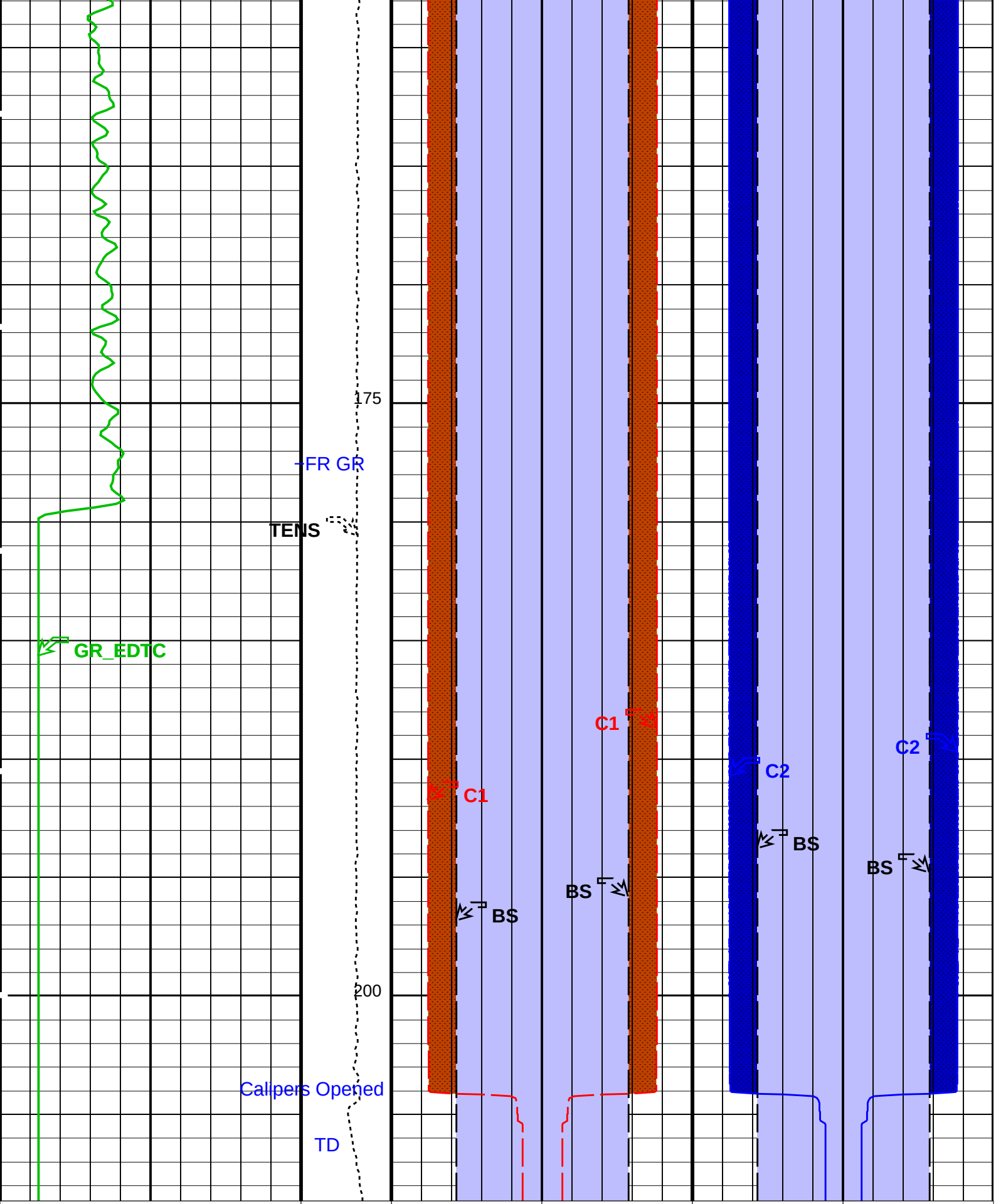
Time Mark Every 60 S



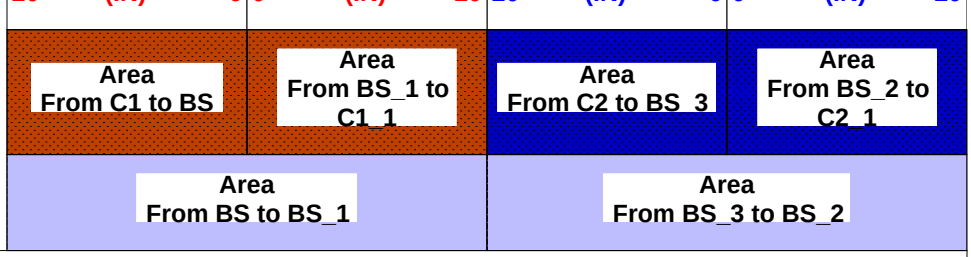

10000
0
0
Sea Floor
25


TENS
50
GR_EDTC
C1
C1
C2
C2
BS
BS
BS
75
Drill Pipe
100


125
150



Gamma Ray (GR_EDTC)	Tension (TENS) (LBF)	Bit Size (BS)	Bit Size (BS)	Bit Size (BS)	Bit Size (BS)
0 (GAPI) 75	10000 0	20 (IN) 0	0 (IN) 20	20 (IN) 0	0 (IN) 20
2nd Pass, Sea Floor Depth Reference		Caliper 1 (C1)	Caliper 1 (C1)	Caliper 2 (C2)	Caliper 2 (C2)
		20 (IN) 0	0 (IN) 20	20 (IN) 0	0 (IN) 20



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	−2491.0	M
PP	Playback Processing	OFF	

Format: BHP Vertical Scale: 1:200 Graphics File Created: 24−Mar−2012 21:25

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_055PUP	FN:72	PRODUCER	24−Mar−2012 21:21	2699.6 M	2482.3 M

Output DLIS Files

DEFAULT	FMS_DSI_057PUP	FN:74	PRODUCER	24−Mar−2012 21:25		

Input DLIS Files

DEFAULT	FMS_DSI_053PUP	FN:70	PRODUCER	24−Mar−2012 21:17	2704.2 M	2603.6 M

Output DLIS Files

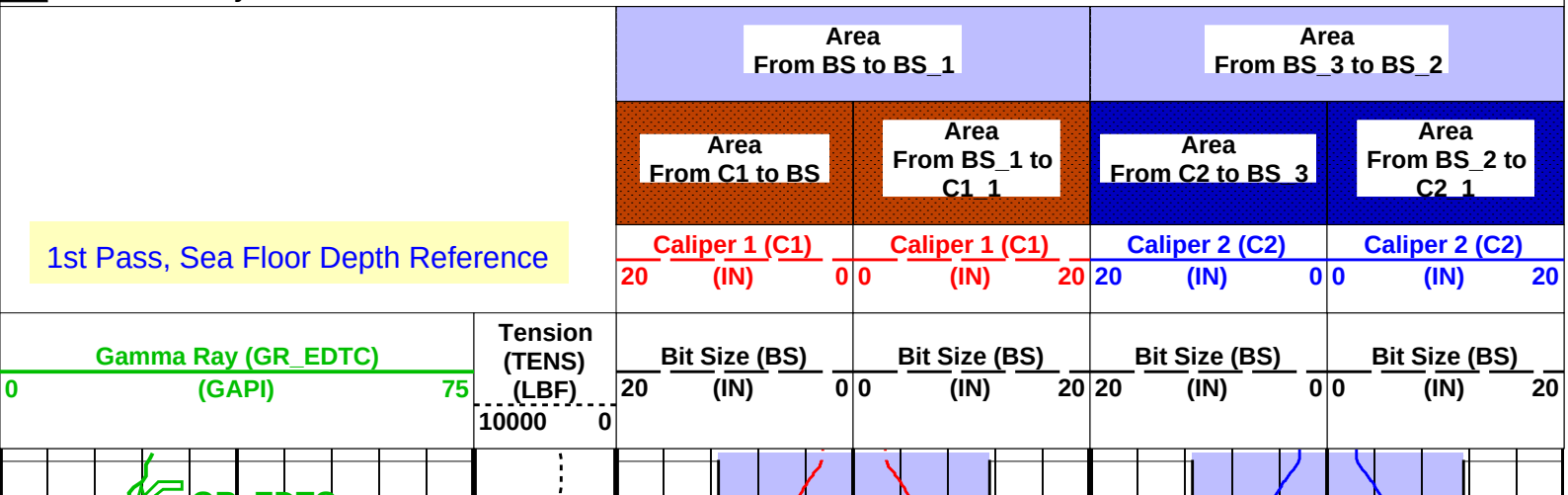
DEFAULT	FMS_DSI_056PUP	FN:73	PRODUCER	24−Mar−2012 21:24	213.2 M	112.6 M

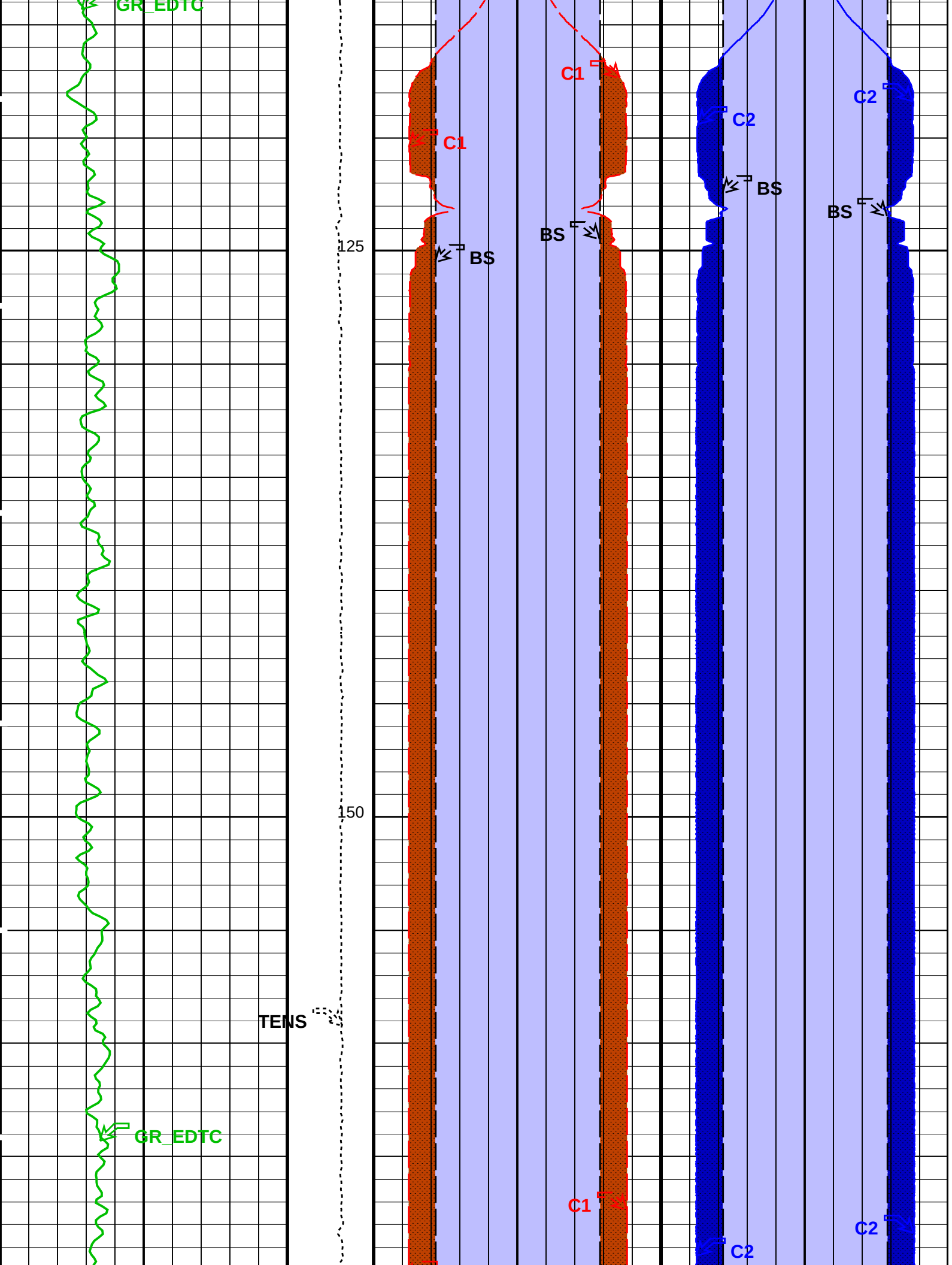
OP System Version: 19C0−187

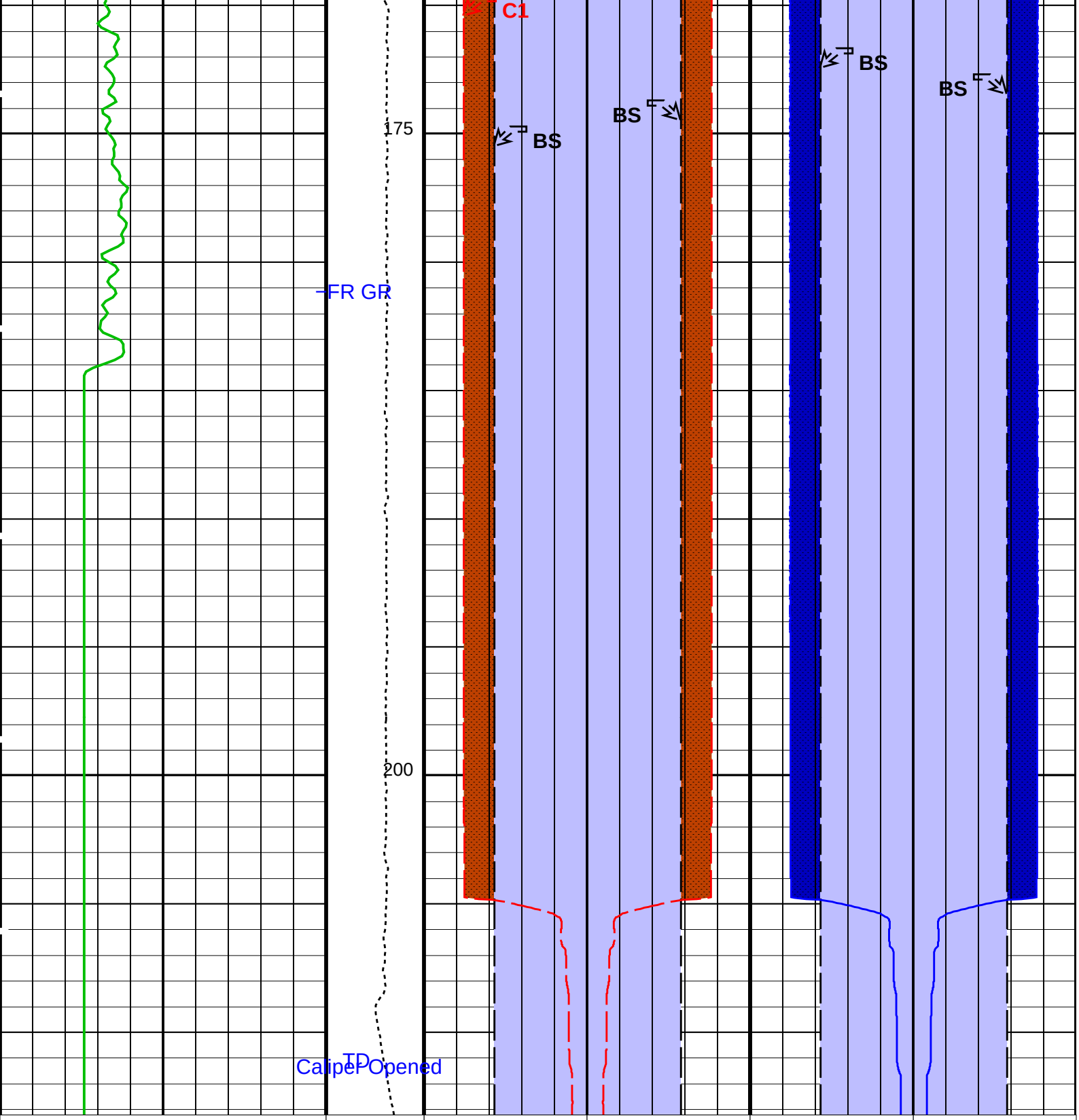
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

PIP SUMMARY

Time Mark Every 60 S




GR_EDTC
C1
C1
BS
BS
C2
C2
BS
BS
125
150
TENS
GR_EDTC
C1
C2
C2



Gamma Ray (GR_EDTC)	Tension (TENS)	Bit Size (BS)	Bit Size (BS)	Bit Size (BS)	Bit Size (BS)
0 (GAPI) 75	(LBF) 10000 0	20 (IN) 0	0 (IN) 20	20 (IN) 0	0 (IN) 20
		Caliper 1 (C1)	Caliper 1 (C1)	Caliper 2 (C2)	Caliper 2 (C2)
		20 (IN) 0	0 (IN) 20	20 (IN) 0	0 (IN) 20
		Area From C1 to BS	Area From BS_1 to C1_1	Area From C2 to BS_3	Area From BS_2 to C2_1
		Area From BS to BS_1		Area From BS_3 to BS_2	

1st Pass, Sea Floor Depth Reference

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	−2491.0	M
PP	Playback Processing	OFF	

Format: BHP Vertical Scale: 1:200 Graphics File Created: 24−Mar−2012 21:24

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_053PUP	FN:70	PRODUCER	24−Mar−2012 21:17	2704.2 M	2603.6 M

Output DLIS Files

DEFAULT	FMS_DSI_056PUP	FN:73	PRODUCER	24−Mar−2012 21:24		

Company: Lamont Doherty Earth Observatory Well: Expedition 340, Site U1397B

Input DLIS Files

DEFAULT	FMS_DSI_055PUP	FN:72	PRODUCER	24−Mar−2012 21:21	2699.6 M	2482.3 M

Output DLIS Files

DEFAULT	FMS_DSI_057PUP	FN:74	PRODUCER	24−Mar−2012 21:25	208.6 M	−8.7 M

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

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

2nd Pass, Sea Floor Depth Reference

Standard frequency upper dipole

Gamma Ray (GR_EDTC)
0 (GAPI) 75

Tension (TENS)
10000 (LBF) 0

Caliper 1 (C1)
0 (IN) 20

Min Amplitude Max

Rec Array P&S Slow Proj CVDL (SPR4)

0 (IN) 20

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

Caliper 2 (C2)
0 (IN) 20

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

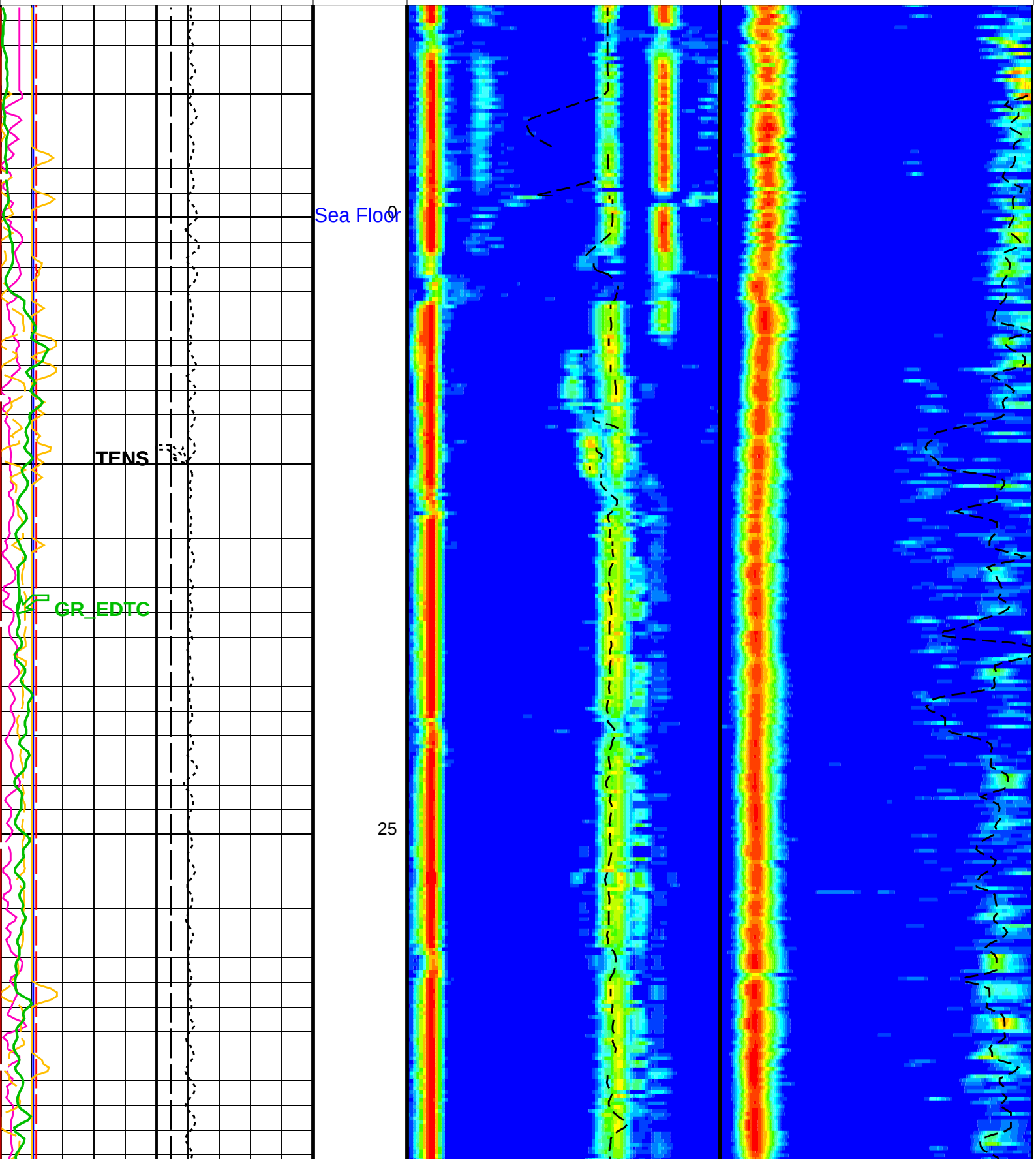
Min Amplitude Max

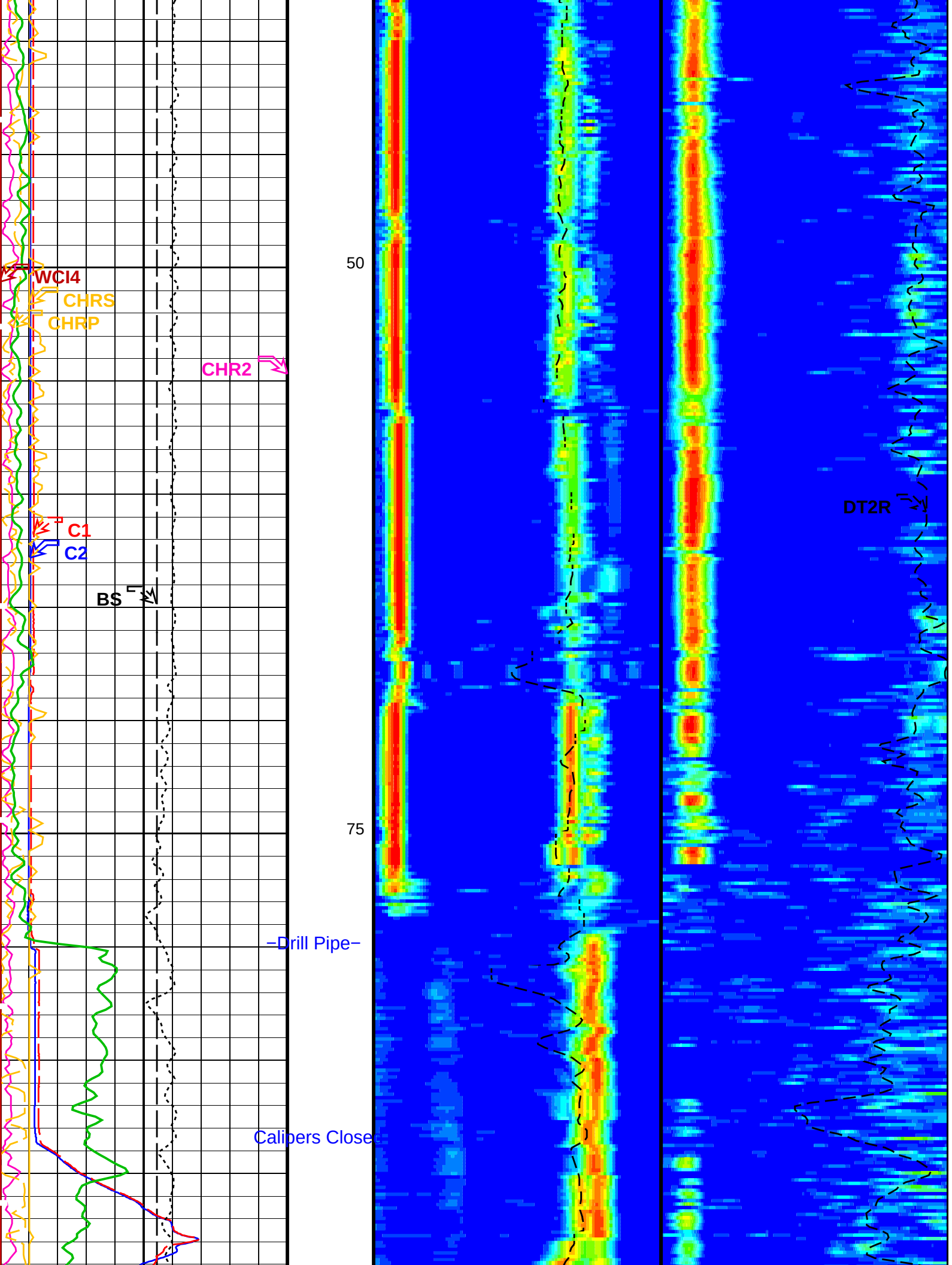
Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
75 (US/F) 1400

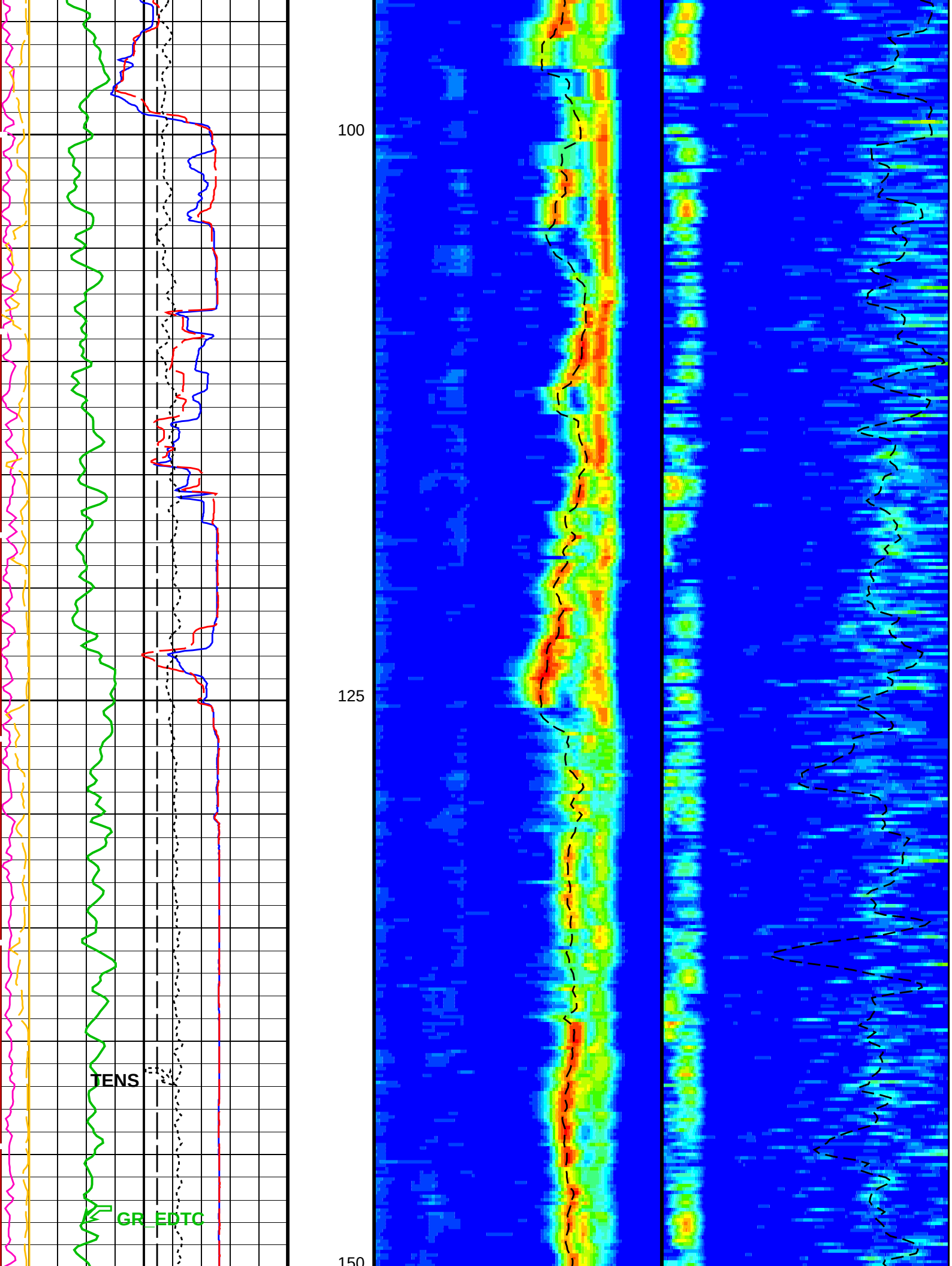
Bit Size (BS)
6 (IN) 16

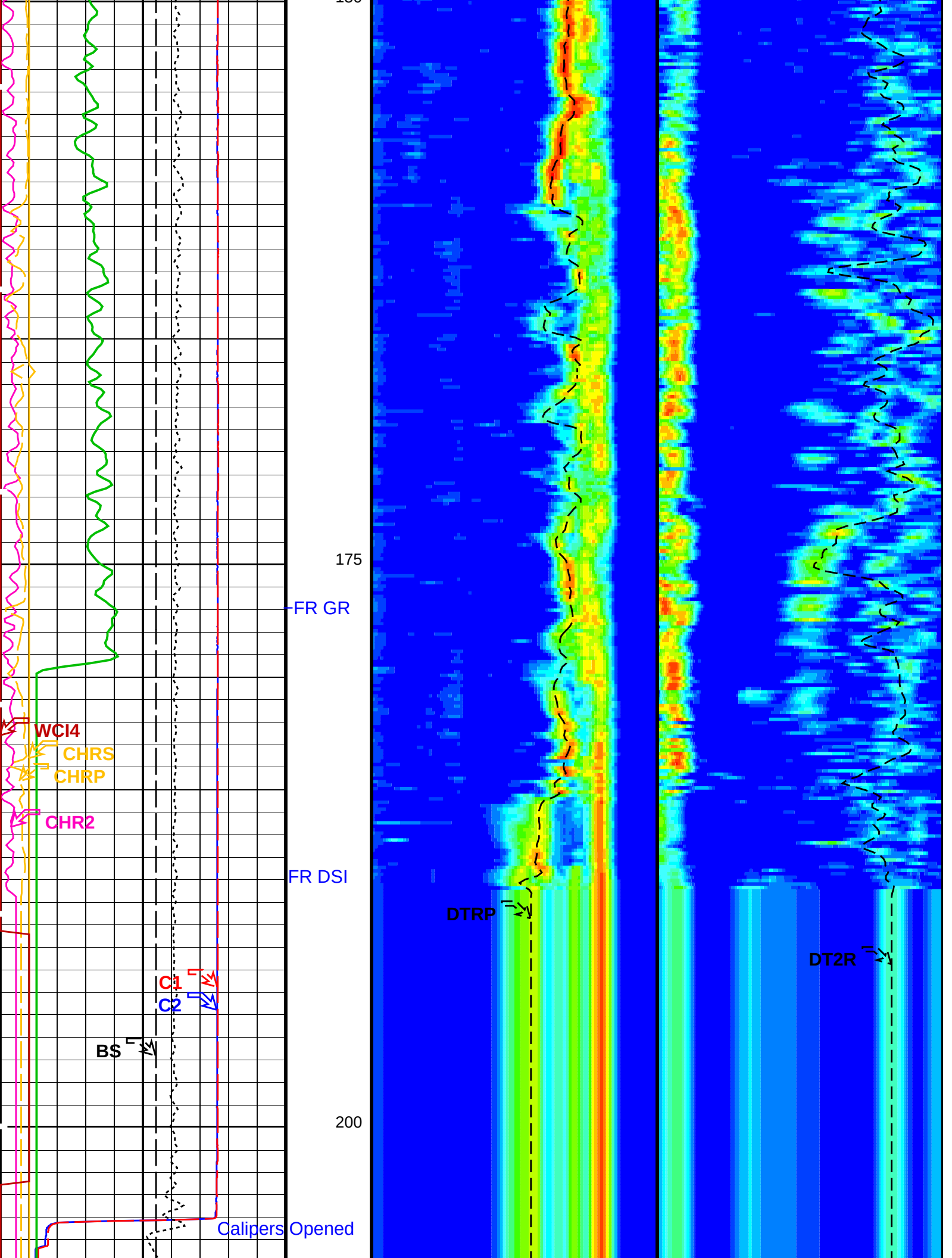
Delta−T Comp / RA − P & S (DTRP)
40 (US/F) 240

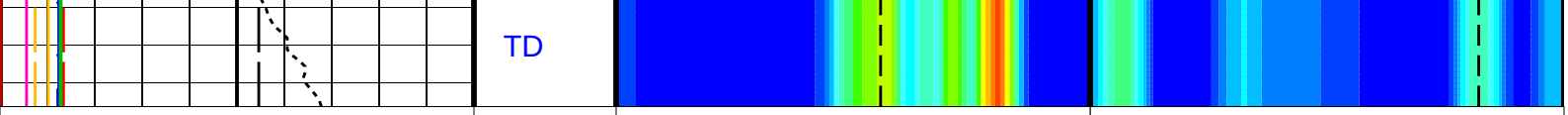
Delta−T Shear / RA − Upper Dipole (DT2R)
75 (US/F) 1400




WCI4
CHRS
CHRP
CHR2
C1
C2
BS
50
75
–Drill Pipe–
Calipers Close
DT2R


100
125
150
TENS
GR_EDTC


175
FR GR
WCI4
CHRS
CHRP
CHR2
FR DSI
DTRP
DT2R
C1
C2
BS
200
Calipers Opened



Bit Size (BS)
6 (IN) 16

Caliper 2 (C2)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Tension (TENS)
10000 (LBF) 0

Gamma Ray (GR_EDTC)
0 (GAPI) 75

Peak Coherence / RA − Upper Dipole (CHR2)
0 (−−−−) 10

Peak Coherence / RA − P & S Comp (CHRP)
0 (−−−−) 10

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

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

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

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

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

Delta−T Shear / RA − Upper Dipole (DT2R)
75 (US/F) 1400

Min Amplitude Max
Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
75 (US/F) 1400

2nd Pass, Sea Floor Depth Reference

Standard frequency upper dipole

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	110	US/F
COUL	Label Slowness Upper Limit − Monopole P&S Compressional	188	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	1400	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	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI2	Number Waveform Items 2	8	
NWI4	Number Waveform Items 4	8	
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

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	SLOW	
SFM2	STC Filter − Upper Dipole	B1−2K	
SFM4	STC Filter − Monopole P&S	B3−20K	
SHLL	Label Slowness Lower Limit − Monopole P&S Shear	150	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	180	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	1400	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	20440	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	11.438	IN
DO	Depth Offset for Playback	−2491.0	M
PP	Playback Processing	OFF	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 24−Mar−2012 21:25

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_055PUP	FN:72	PRODUCER	24−Mar−2012 21:21	2699.6 M	2482.3 M

Output DLIS Files

DEFAULT	FMS_DSI_057PUP	FN:74	PRODUCER	24−Mar−2012 21:25

Company: Lamont Doherty Earth Observatory Well: Expedition 340, Site U1397B

Input DLIS Files

DEFAULT	FMS_DSI_055PUP	FN:72	PRODUCER	24−Mar−2012 21:21	2699.6 M	2482.3 M

Output DLIS Files

DEFAULT FMS_DSI_057PUP FN:74 PRODUCER 24−Mar−2012 21:25 208.6 M −8.7 M

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

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)
0 (GAPI) 75

Tension (TENS)
10000 (LBF) 0

Caliper 2 (C2)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Bit Size (BS)
0 (IN) 20

2nd Pass, Sea Floor Depth Reference

Low frequency lower dipole

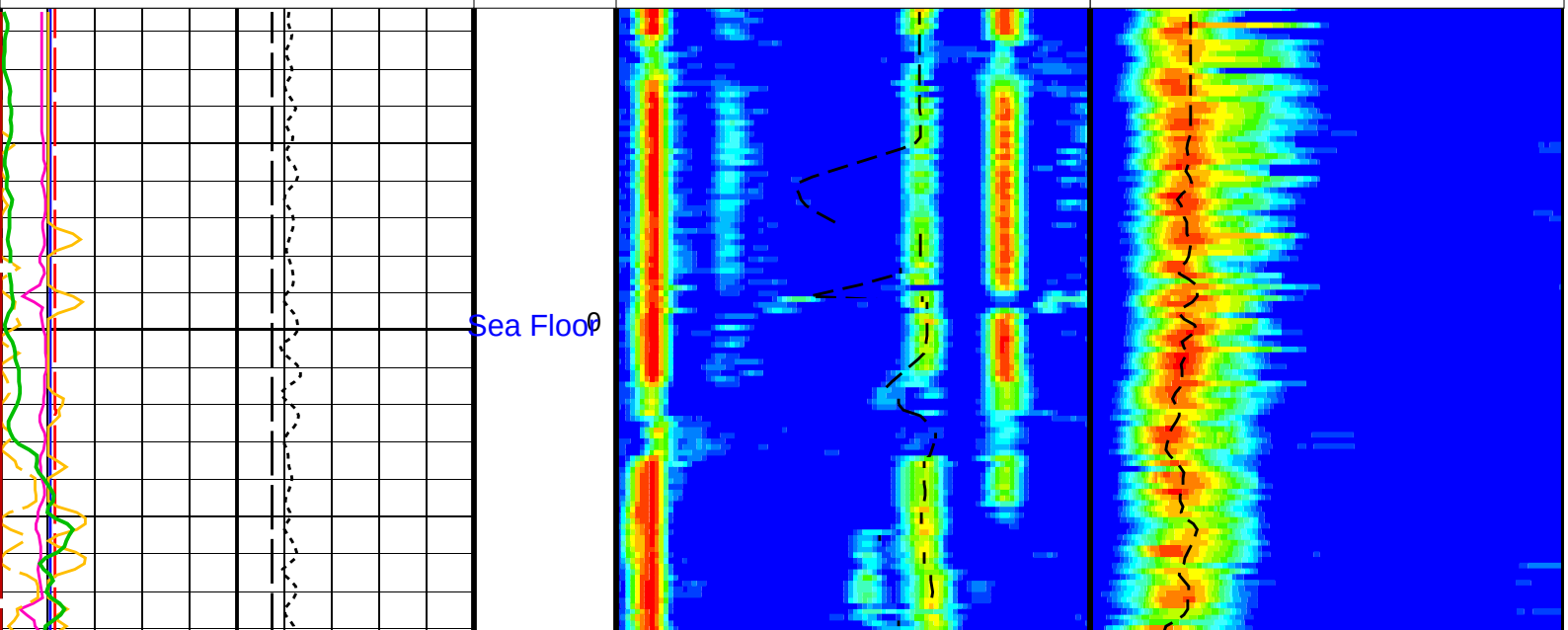
Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
40 (US/F) 240

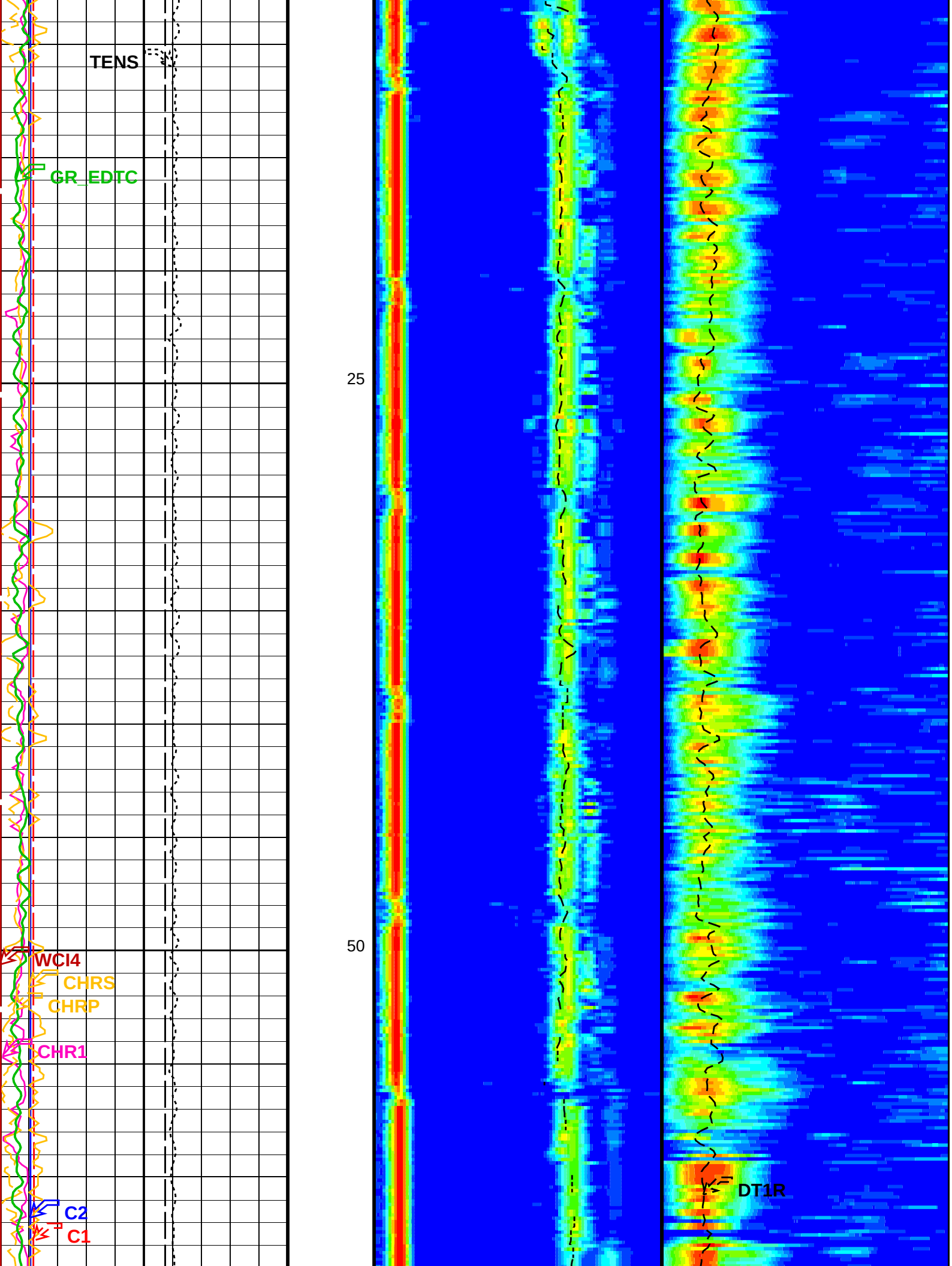
Delta−T Shear / RA − P & S (DTRS)
40 (US/F) 240

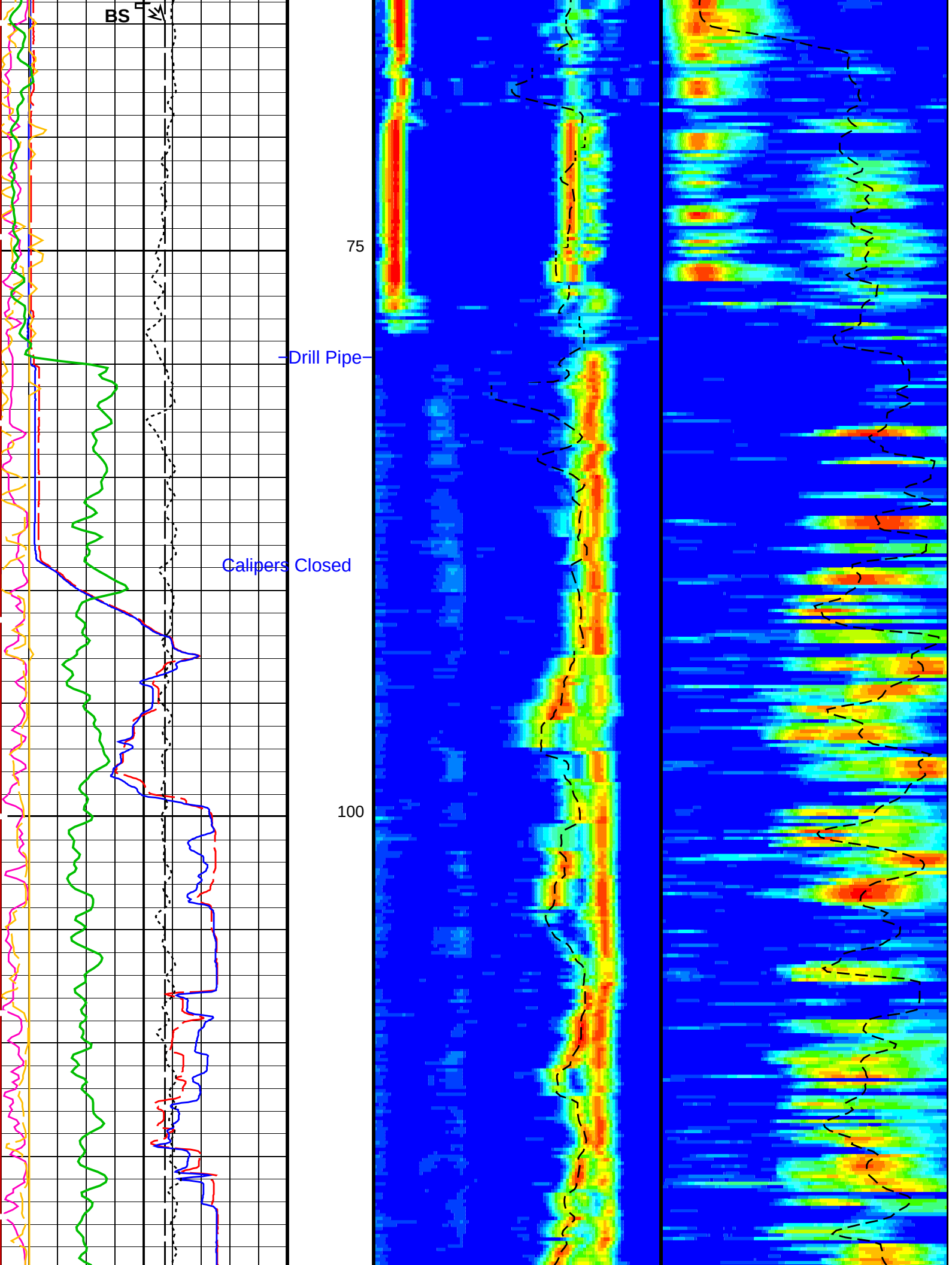
Min Amplitude Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75 (US/F) 1400

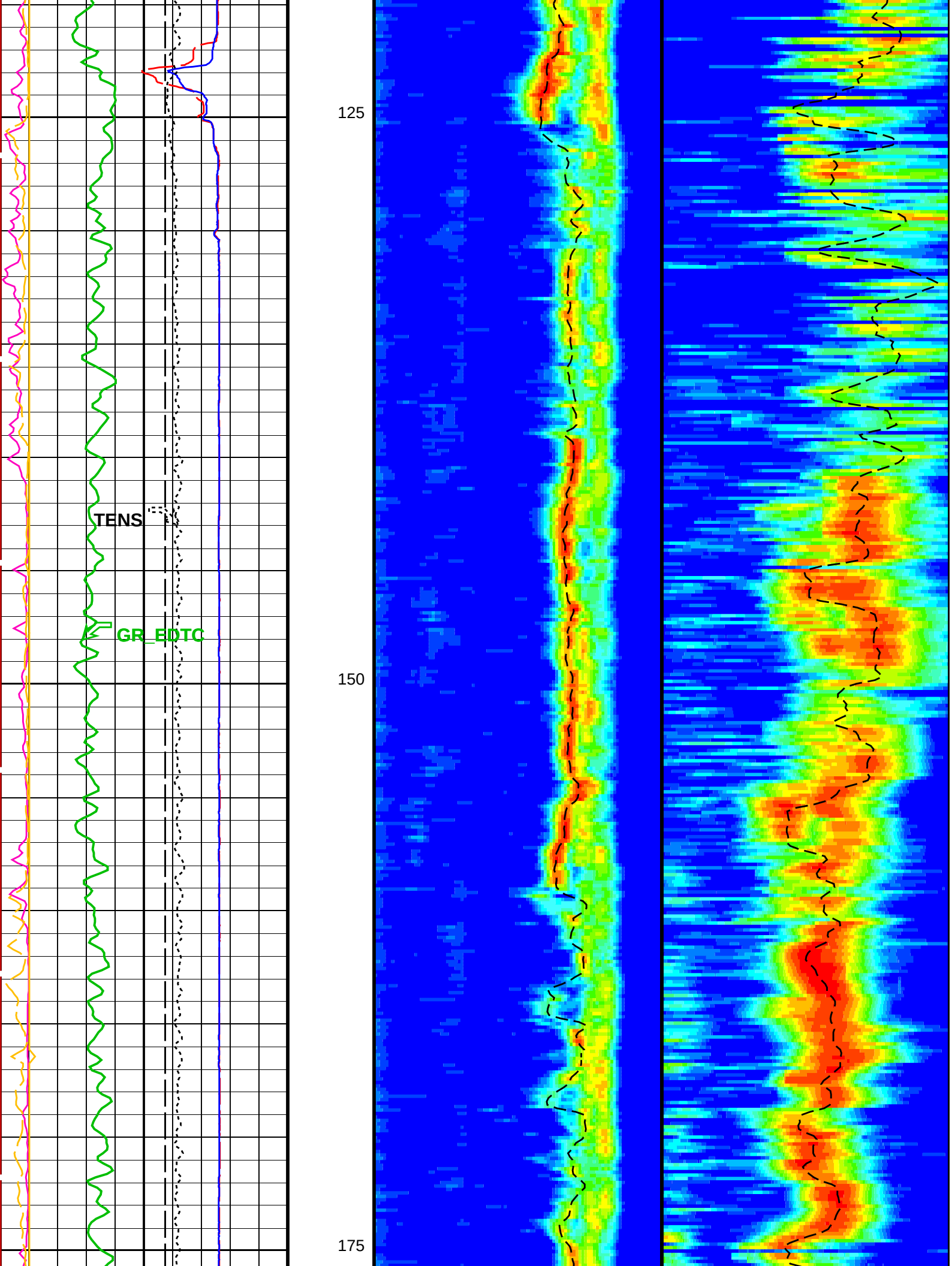
Delta−T Comp / RA − P & S (DTRP)
40 (US/F) 240

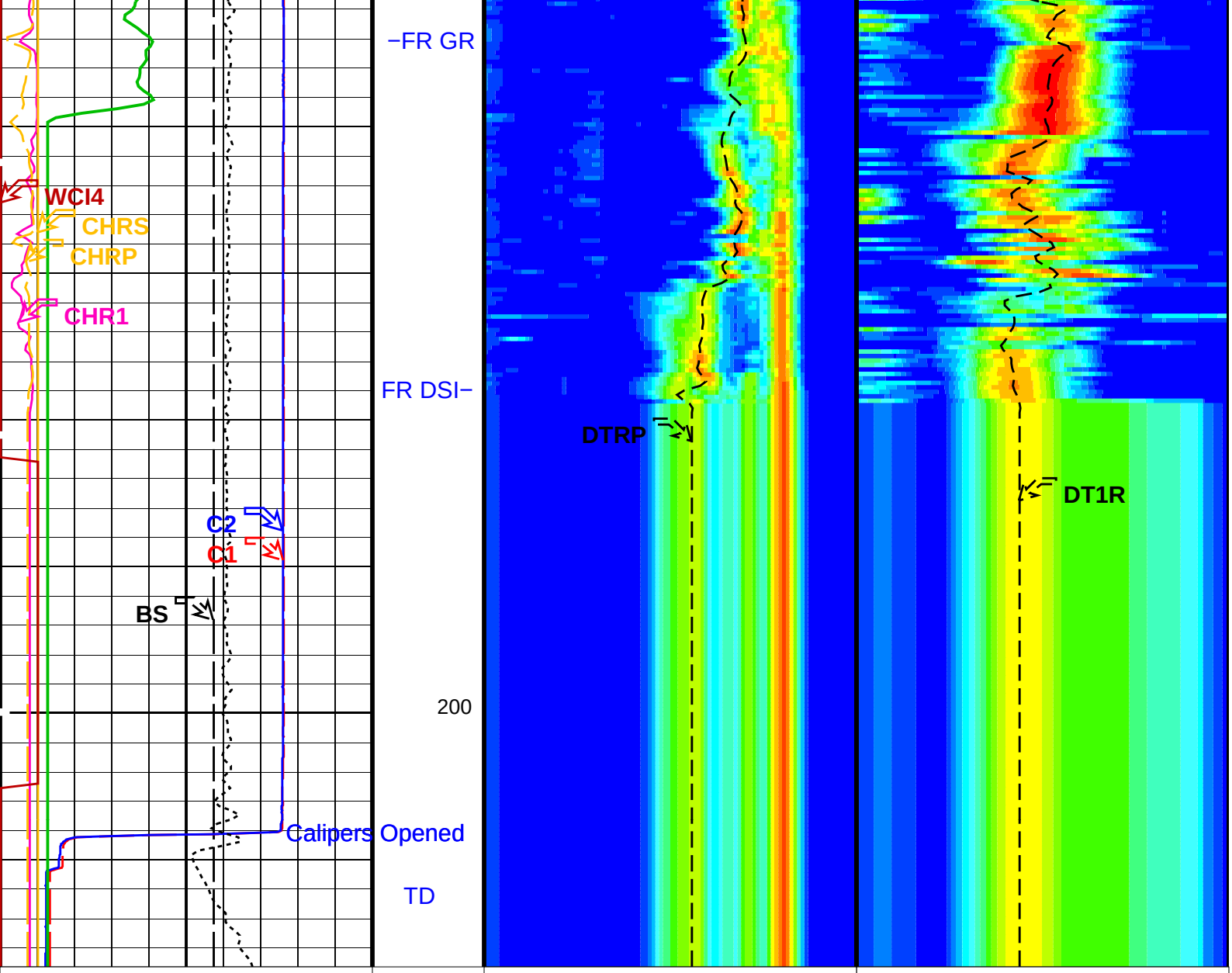
Delta−T Shear / RA − Lower Dipole (DT1R)
75 (US/F) 1400




TENS
GR_EDTC
25
50
WCI4
CHRS
CHRP
CHR1
C2
C1
DT1R


BS
75
Drill Pipe
Calipers Closed
100


TENS
GR_EDTC
125
150
175



Bit Size (BS)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Caliper 2 (C2)
0 (IN) 20

Tension (TENS)
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

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

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

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

Delta−T Shear / RA − Lower Dipole (DT1R)
75 (US/F) 1400

Min Amplitude Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75 (US/F) 1400

2nd Pass, Sea Floor Depth Reference

Low frequency lower dipole

(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	110	US/F
COUL	Label Slowness Upper Limit − Monopole P&S Compressional	188	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	1400	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	COMP_FIRST	
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	SLOW	
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	150	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	180	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	1400	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

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	20440	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	
	EDTC−B: Enhanced DTS Cartridge			
BHS		Borehole Status	OPEN	
	System and Miscellaneous			
BS		Bit Size	11.438	IN
DO		Depth Offset for Playback	−2491.0	M
PP		Playback Processing	OFF	

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 24−Mar−2012 21:25

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_055PUP	FN:72	PRODUCER	24−Mar−2012 21:21	2699.6 M	2482.3 M

Output DLIS Files

DEFAULT	FMS_DSI_057PUP	FN:74	PRODUCER	24−Mar−2012 21:25		

Company: Lamont Doherty Earth Observatory Well: Expedition 340, Site U1397B

Input DLIS Files

DEFAULT	FMS_DSI_053PUP	FN:70	PRODUCER	24−Mar−2012 21:17	2704.2 M	2603.6 M

Output DLIS Files

DEFAULT	FMS_DSI_056PUP	FN:73	PRODUCER	24−Mar−2012 21:24	213.2 M	112.6 M

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

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

Gamma Ray (GR_EDTC)

0 (GAPI) 75

1st Pass, Sea Floor Depth Reference

Standard frequency upper dipole

Tension (TENS)
10000 (LBF) 0

Caliper 1 (C1)
0 (IN) 20

Caliper 2 (C2)
0 (IN) 20

Bit Size (BS)
6 (IN) 16

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

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

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

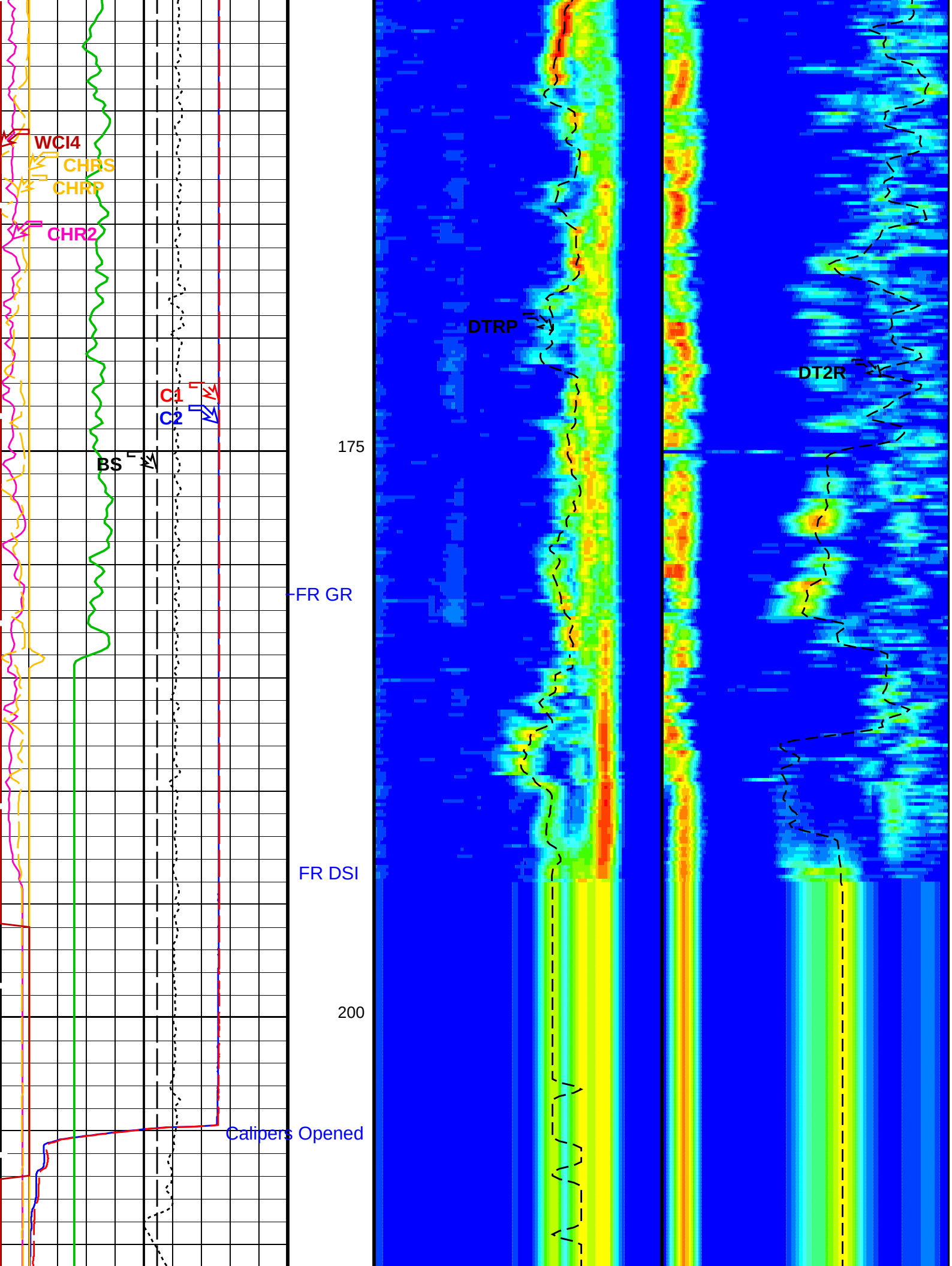
Min Amplitude Max
Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
75 (US/F) 1400

Delta−T Shear / RA − Upper Dipole (DT2R)
75 (US/F) 1400

CHRP
CHR2
TENS
C1
C2
BS
GR_EDTC

125
150

DTRP
DT2R


WCI4
CHRS
CHRP
CHR2
C1
C2
BS
DTRP
DT2R
175
FR GR
FR DSI
200
Calipers Opened

Bit Size (BS)
6 (IN) 16

Caliper 2 (C2)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Tension (TENS)
10000 (LBF) 0

Gamma Ray (GR_EDTC)
0 (GAPI) 75

Peak Coherence / RA − Upper Dipole (CHR2)
0 (−−−−) 10

Peak Coherence / RA − P & S Comp (CHRP)
0 (−−−−) 10

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

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

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

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

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

Delta−T Shear / RA − Upper Dipole (DT2R)
75 (US/F) 1400

Min Amplitude Max
Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
75 (US/F) 1400

1st Pass, Sea Floor Depth Reference

Standard frequency upper dipole

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	110	US/F
COUL	Label Slowness Upper Limit − Monopole P&S Compressional	188	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	1400	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	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI2	Number Waveform Items 2	8	
NWI4	Number Waveform Items 4	8	
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	SLOW	
SFM2	STC Filter − Upper Dipole	B1−2K	
SFM4	STC Filter − Monopole P&S	B3−20K	
SHLL	Label Slowness Lower Limit − Monopole P&S Shear	150	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	180	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	1400	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	20440	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	11.438	IN
DO	Depth Offset for Playback	−2491.0	M
PP	Playback Processing	OFF	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 24−Mar−2012 21:24

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_053PUP	FN:70	PRODUCER	24−Mar−2012 21:17	2704.2 M	2603.6 M

Output DLIS Files

DEFAULT	FMS_DSI_056PUP	FN:73	PRODUCER	24−Mar−2012 21:24

Input DLIS Files

DEFAULT	FMS_DSI_053PUP	FN:70	PRODUCER	24−Mar−2012 21:17	2704.2 M	2603.6 M

Output DLIS Files

DEFAULT FMS_DSI_056PUP FN:73 PRODUCER 24−Mar−2012 21:24 213.2 M 112.6 M

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

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)
0 (GAPI) 75

Tension (TENS)
10000 (LBF) 0

Caliper 2 (C2)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Bit Size (BS)
0 (IN) 20

1st Pass, Sea Floor Depth Reference

Low frequency lower dipole

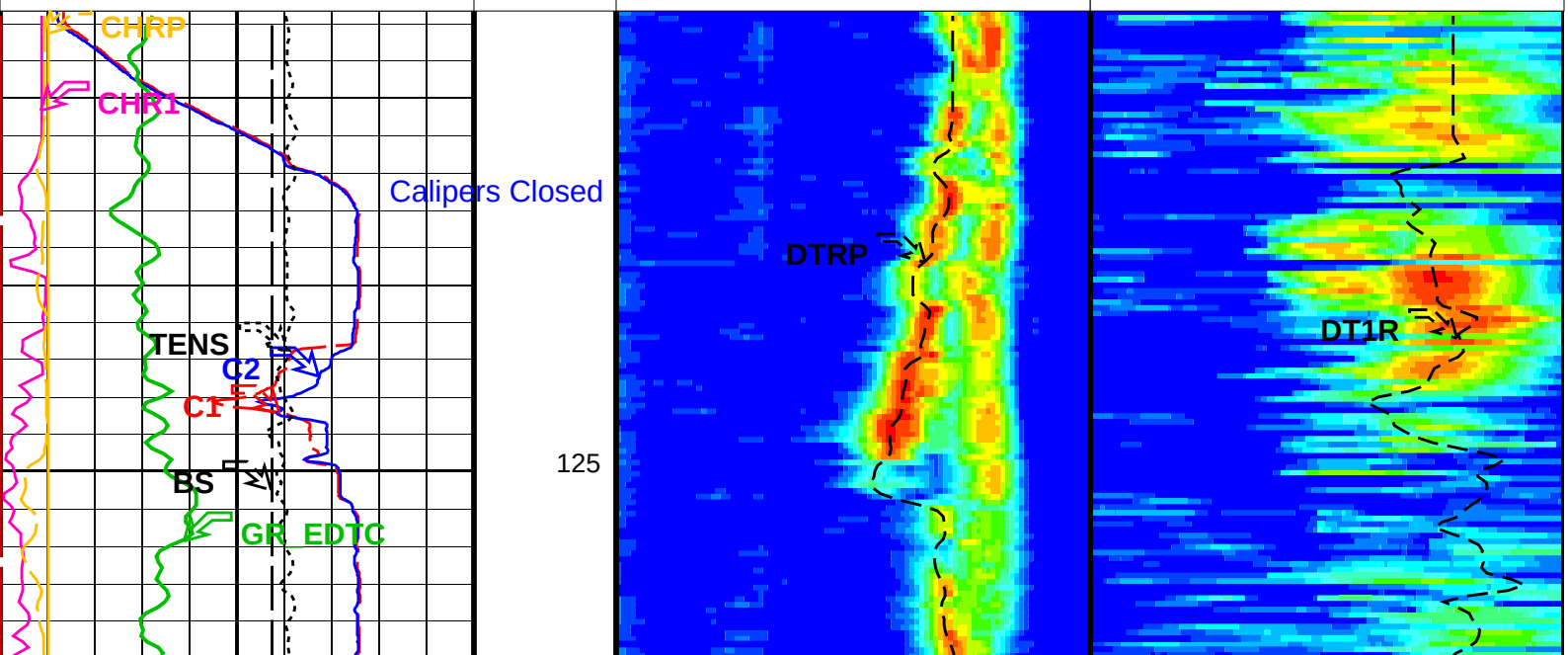
Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
40 (US/F) 240

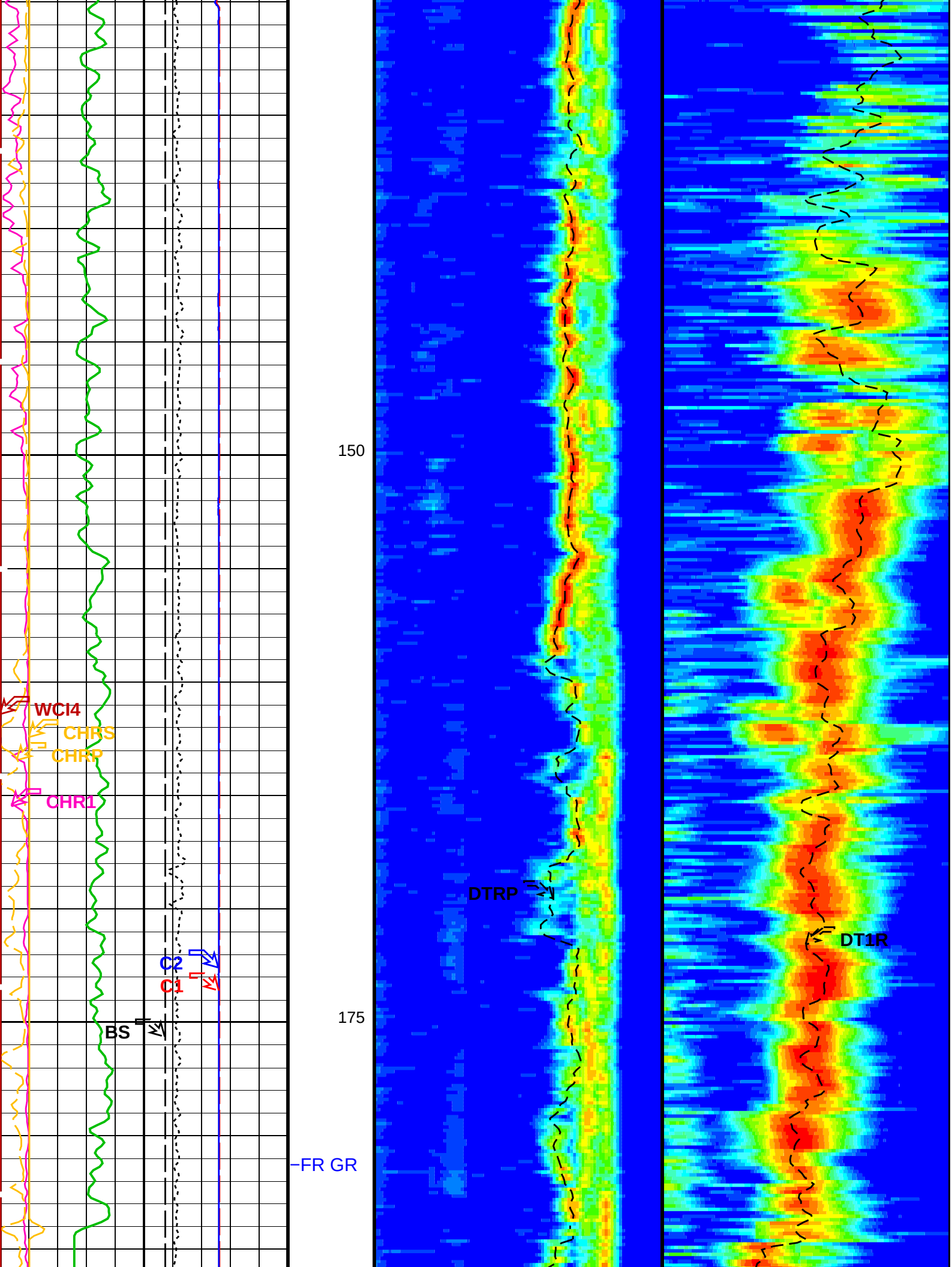
Delta−T Shear / RA − P & S (DTRS)
40 (US/F) 240

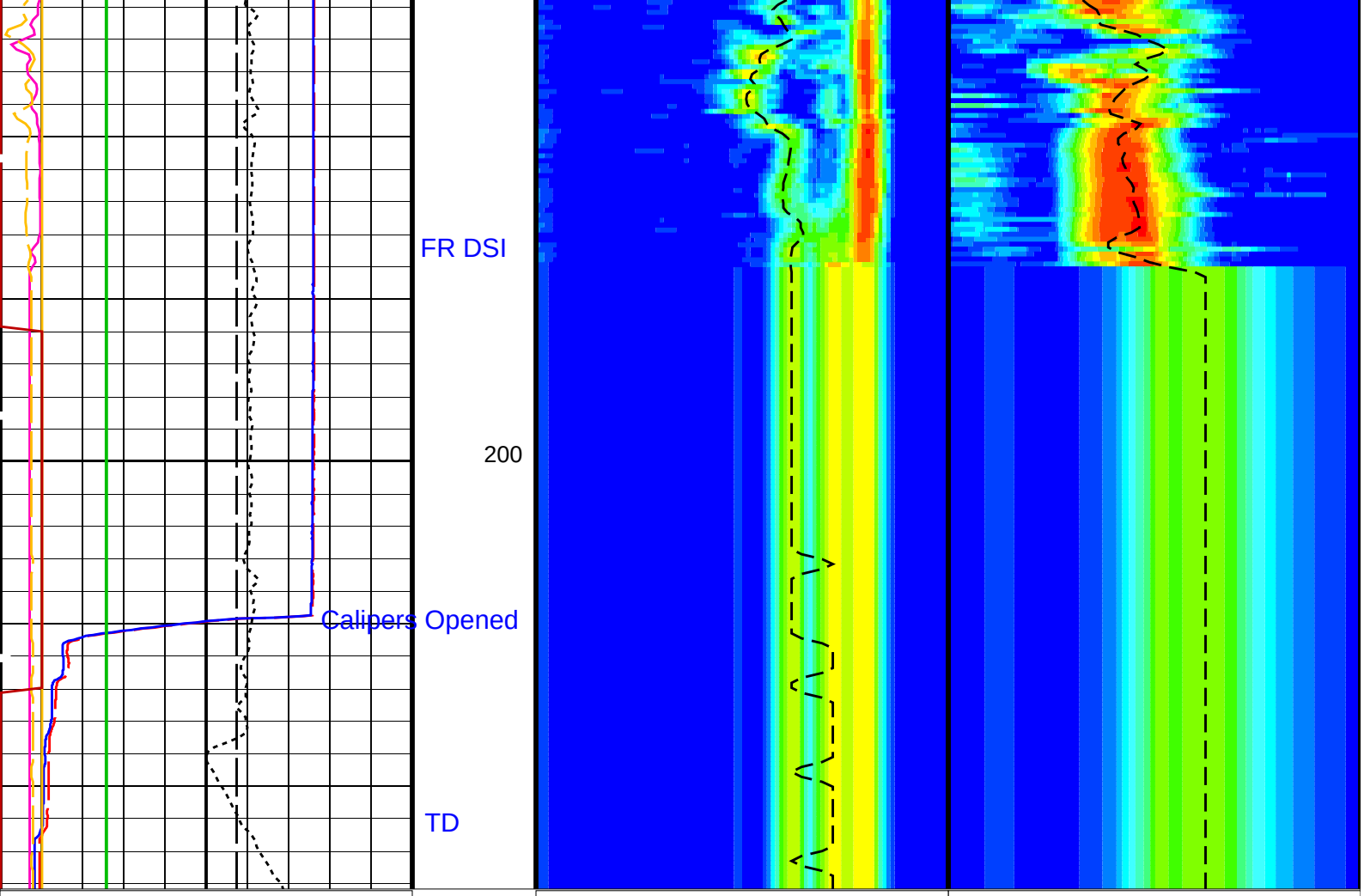
Delta−T Comp / RA − P & S (DTRP)
40 (US/F) 240

Min Amplitude Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75 (US/F) 1400

Delta−T Shear / RA − Lower Dipole (DT1R)
75 (US/F) 1400




WCI4
CHRS
CHRP
CHR1
C2
C1
BS
FR GR
150
175
DTRP
DT1R



Bit Size (BS)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Caliper 2 (C2)
0 (IN) 20

Tension (TENS)
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

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

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

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

Delta−T Shear / RA − Lower Dipole (DT1R)
75 (US/F) 1400

Min Amplitude Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
75 (US/F) 1400

1st Pass, Sea Floor Depth Reference

Low frequency lower dipole

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	110	US/F
COUL	Label Slowness Upper Limit − Monopole P&S Compressional	188	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	1400	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	COMP_FIRST	
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	SLOW	
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	150	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	180	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	1400	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	20440	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	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	−2491.0	M
PP	Playback Processing	OFF	

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 24−Mar−2012 21:24

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	EDTC−B	SKK−5169−EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_053PUP	FN:70	PRODUCER	24−Mar−2012 21:17	2704.2 M	2603.6 M

Output DLIS Files

DEFAULT	FMS_DSI_056PUP	FN:73	PRODUCER	24−Mar−2012 21:24

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner − B (Slim) Wellsite Calibration − Caliper Calibration							
Before: 6−Mar−2012 15:20							
Caliper 1 Zero Measurement	12.00	N/A	12.67	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.70	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.82	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.81	N/A	N/A	N/A	IN
Micro Electrical Scanner − B (Slim) Wellsite Calibration − CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 23−Mar−2012 12:42							
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−Mar−2012 12:42							
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: 23−Mar−2012 12:43							
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: 4−Mar−2012 17:35							
Gamma Ray (Jig − Bkg)	159.9	N/A	159.9	N/A	N/A	14.53	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	702
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	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: 23−Mar−2012 12:43

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		7.622	Before		159.9	Before		164.0

0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)	145.3 (Minimum)	159.9 (Nominal)	174.4 (Maximum)	149.0 (Minimum)	164.0 (Nominal)	179.0 (Maximum)

Before: 4−Mar−2012 17:35

Company: **Lamont Doherty Earth Observatory**

Schlumberger

Well: **Expedition 340, Site U1397B**
Field: **Lesser Antilles Volcanism and Landslides**
Rig: **JOIDES Resolution**
Ocean: **Caribbean**

Dipole Shear Sonic
Monopole Compressional, Dipole Shear
Gamma Ray