

**Company:** Lamont Doherty

**Well:** IODP EXP 311 Site U1328C

**Field:** CAS-06A

**Country:** Canada

**Ocean:** Pacific

## Dipole Sonic

<b>LOCATION</b>		Rig- Joides Resolution	Elev.: K.B. 11.3 m G.L. -1279 m D.F. 11 m
Permanent Datum:	GROUND LEVEL	Elev.: 0 m	
Log Measured From:	DES	11.3 m above Perm. Datum	
Drilling Measured From:	DES		
Country:	Canada		
Field:	CAS-06A		
Location:	Rig- Joides Resolution		
Well:	IODP EXP 311 Site U1328C		
Company:	Lamont Doherty		
Logging Date	API Serial No.	Max. Hole Devi.	Longitude 126 51.043 W
Run Number	1		Latitude 48 40.0546 N

Logging Date			
Run Number	1		
Depth Driller	1579 m		
Schlumberger Depth	1572.5 m		
Bottom Log Interval	1572 m		
Top Log Interval	1295.5 m		
Casing Driller Size @ Depth	0.000 in @ 1339.35 m		
Casing Schlumberger	1337 m		
Bit Size	9.875 in		
Type Fluid In Hole	Septolite with Barite		
Density	1.26 g/cm3		
Fluid Loss	0 cm3		
Source Of Sample			
RM @ Measured Temperature	0.177 ohm.m @ 23 degC		
RMF @ Measured Temperature	0.000 ohm.m @		
RMC @ Measured Temperature	0.000 ohm.m @		
Source RMF	RMC		
RM @ MRT	0.199 @ 18 @ 18		
Maximum Recorded Temperatures	18 degC		
Circulation Stopped	10/14/05	1100	
Logger On Bottom	10/14/05	See Log	
Unit Number	99	Houston	
Recorded By	Steve Kittredge		
Witnessed By	Gilles Guerin, Alberto Malinverno		

Logging Date				Run 1	Run 2	Run
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						
RM @ MRT						
Maximum Recorded Temperatures						
Circulation Stopped						
Logger On Bottom						
Unit Number						
Recorded By						
Witnessed By						

Logging Date				Run 1	Run 2	Run
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						
RM @ MRT						
Maximum Recorded Temperatures						
Circulation Stopped						
Logger On Bottom						
Unit Number						
Recorded By						
Witnessed By						

**DISCLAIMER**

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OTHER SERVICES1 OS1: WSTA OS2: DITE/HLDS OS3: APS/HNGS OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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REMARKS: RUN NUMBER 1 Hole drilled with APC/XCB. All depths in Meters Below Rig Floor (MBRF). Hole flushed with Sepiolite/Barite mud. Sea Floor Driller- 1279 MBRF Sea Floor Logger- 1279 MBRF Total Depth Driller- 1579 MBRF Total Depth Logger- 1572.5 MBRF Casing Bottom Driller- 1339.35 MBRF Casing Bottom Logger- 1337 MBRF Tool power was off from approxiamtely 1375-1370 MBRF.	REMARKS: RUN NUMBER 2
Heave was 2-3 meters.	

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:	12C0-301		PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

**EQUIPMENT DESCRIPTION**

RUN 1		RUN 2	
<b>SURFACE EQUIPMENT</b>			
GSR-U/Y 166 WITM (DTS)-A			

<b>DOWNHOLE EQUIPMENT</b>			
LEH-QT		32.33	
LEH-QT			
DTC-H	CTEM	31.16	
ECH-KC	TelStatus	31.44	
	ToolStatu	30.53	
SGT-N	Gamma Ray	30.25	30.53
SGH-K 2450			

SGC-TB 9585  
SGD-TAA

AH-MCD  
AH-MCD

28.85

DSST-B

SPAC-B 8128  
ECH-SD 8128  
SMDR-BD 8076  
SSIJ-BA 8127  
SMDX-AA 8148

26.73

PWF — 11.18

AH-MCD  
AH-MCD

11.18

DTA-A  
ECH-KE  
DTA-A 8231

8.90

MEST-B  
MEAH-B 701  
MEAC-A 804  
MEPH-A 702  
GPIC-A 840  
MEPC-AB 807  
MEDS-B 771

7.68

MEDR MEAC  
MEPC MEDS-B  
HV DF  
Tension GPIT  
TOOL ZERO

0.46

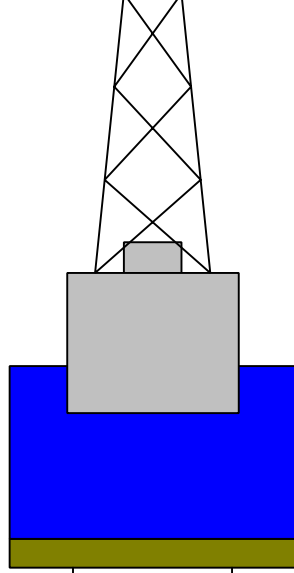
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MAXIMUM STRING DIAMETER 4.50 IN  
MEASUREMENTS RELATIVE TO TOOL ZERO  
ALL LENGTHS IN METERS

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

Kelly Bushing Elevation  
Derrick Floor Elevation  
  
Mean Sea Level

11.0  
11.3  
  
0.0



0.0 5.500

Casing String



1279.0 9.875  
1339.3 5.500

Borehole Segment  
Casing Shoe

1579.0 9.875

Borehole Segment Bottom

**Schlumberger**

Pass #1

MAXIS Field Log

Output DLIS Files

DEFAULT FMS\_DSI\_014LUP FN:13 PRODUCER 14-Oct-2005 23:22 1574.0 M 1295.4 M

OP System Version: 12C0-301  
MCM

MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

PIP SUMMARY

Time Mark Every 60 S

Peak Coherence / RA - P & S Comp  
(CHRP)

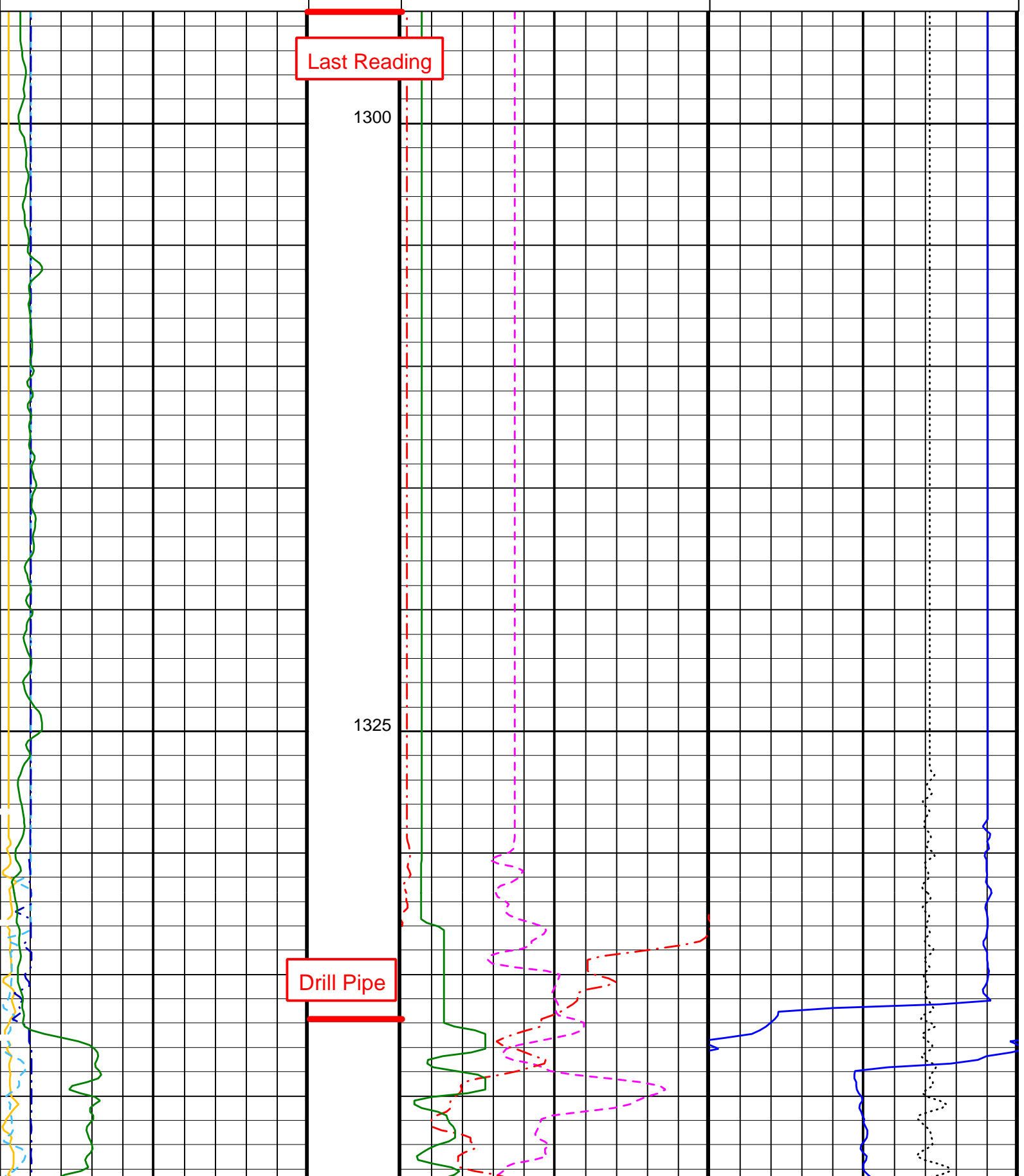
0 (---) 10

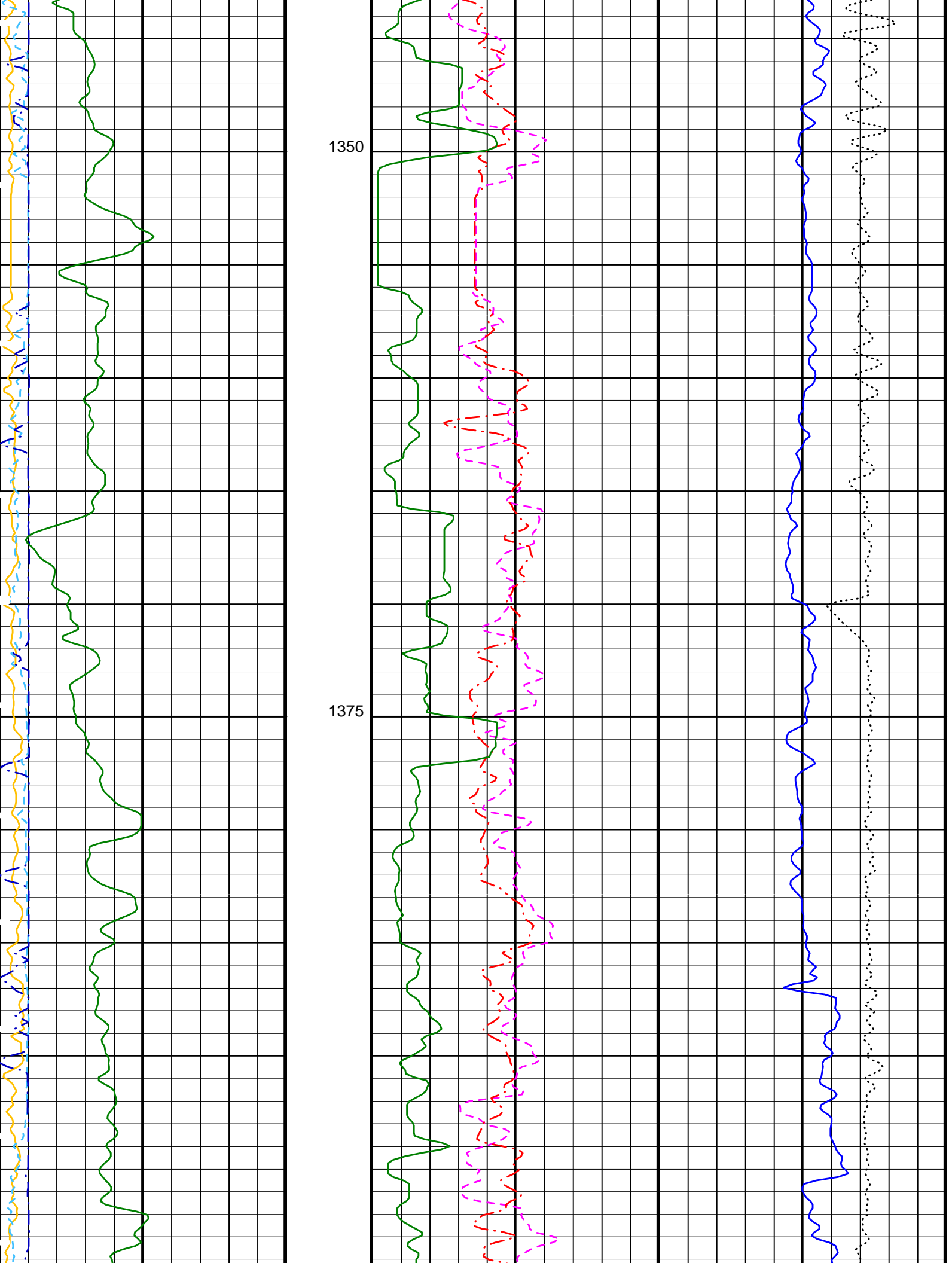
Peak Coherence / RA - Upper Dipole

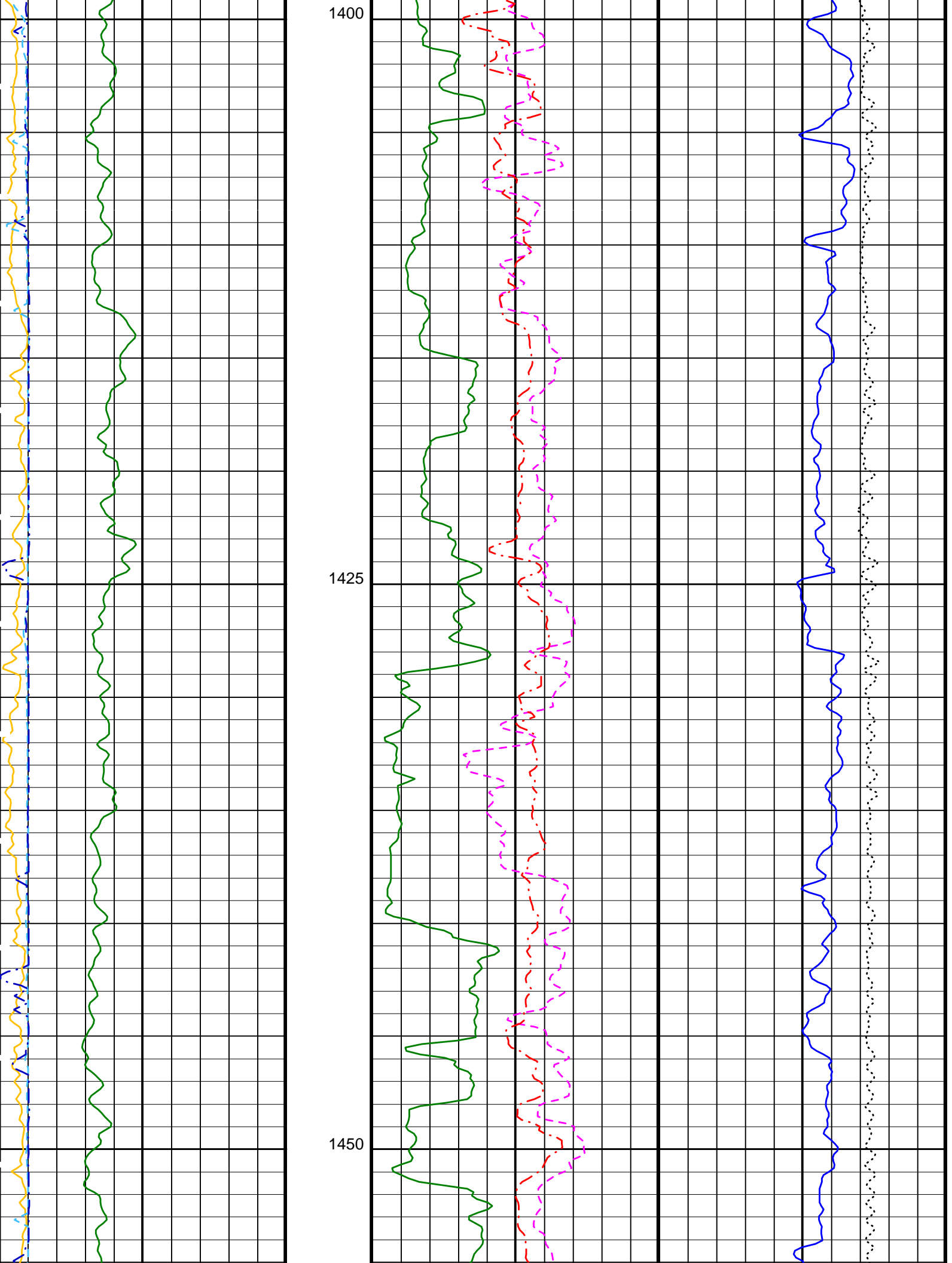
0	Peak Coherence / RA - Upper Dipole (CHR2) (---)	10
0	Peak Coherence / RA - Lower Dipole (CHR1) (---)	10
0	Gamma Ray (GR) (GAPI)	100

1600	Delta-T Stoneley (DTST) (US/F)	300
1600	Delta-T Shear - Upper Dipole (DT2) (US/F)	300
1600	Delta-T Shear - Lower Dipole (DT1) (US/F)	300

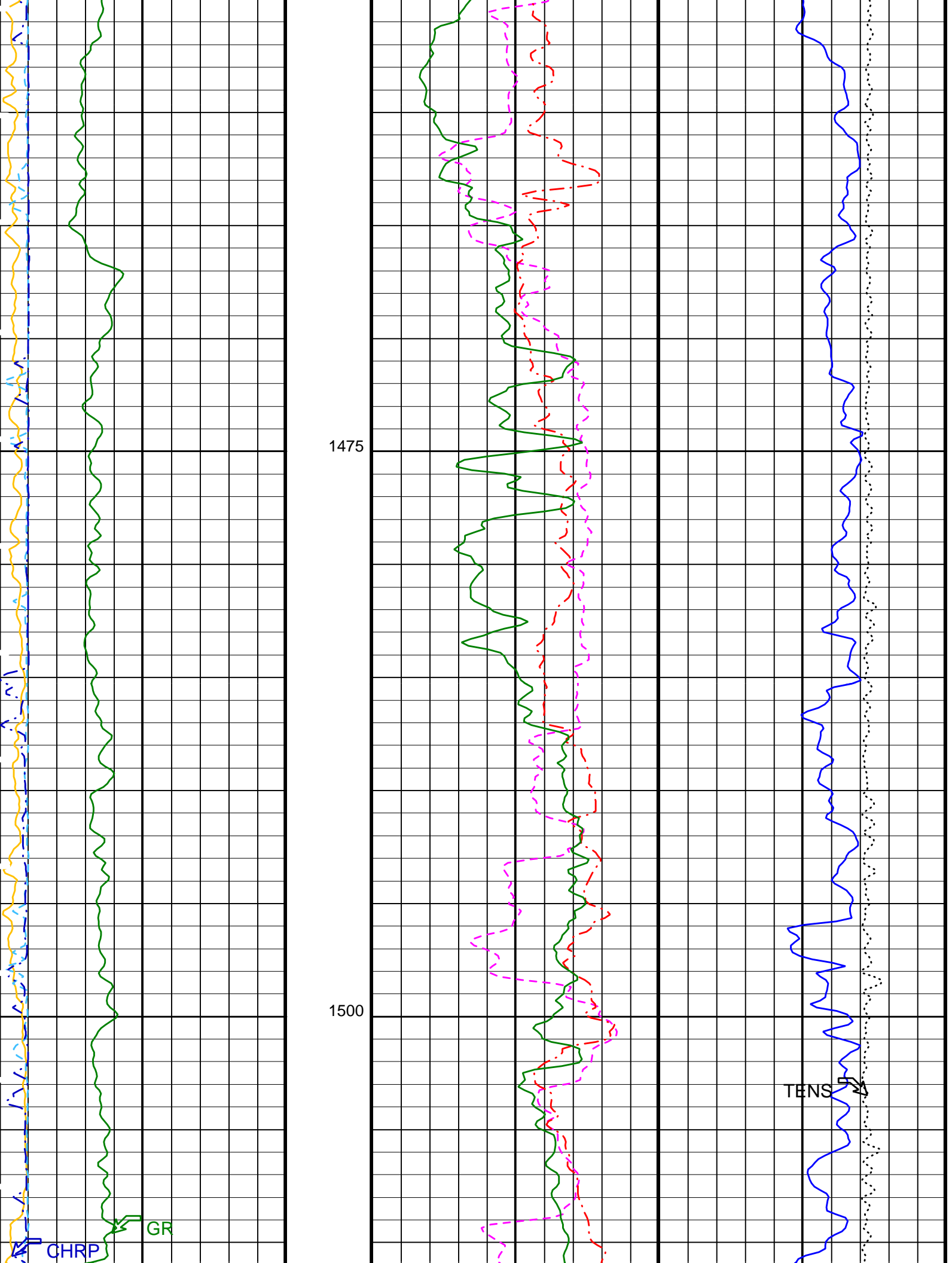
10000	Tension (TENS) (LBF)	0
250	Delta-T Comp - P & S (DT4P) (US/F)	150

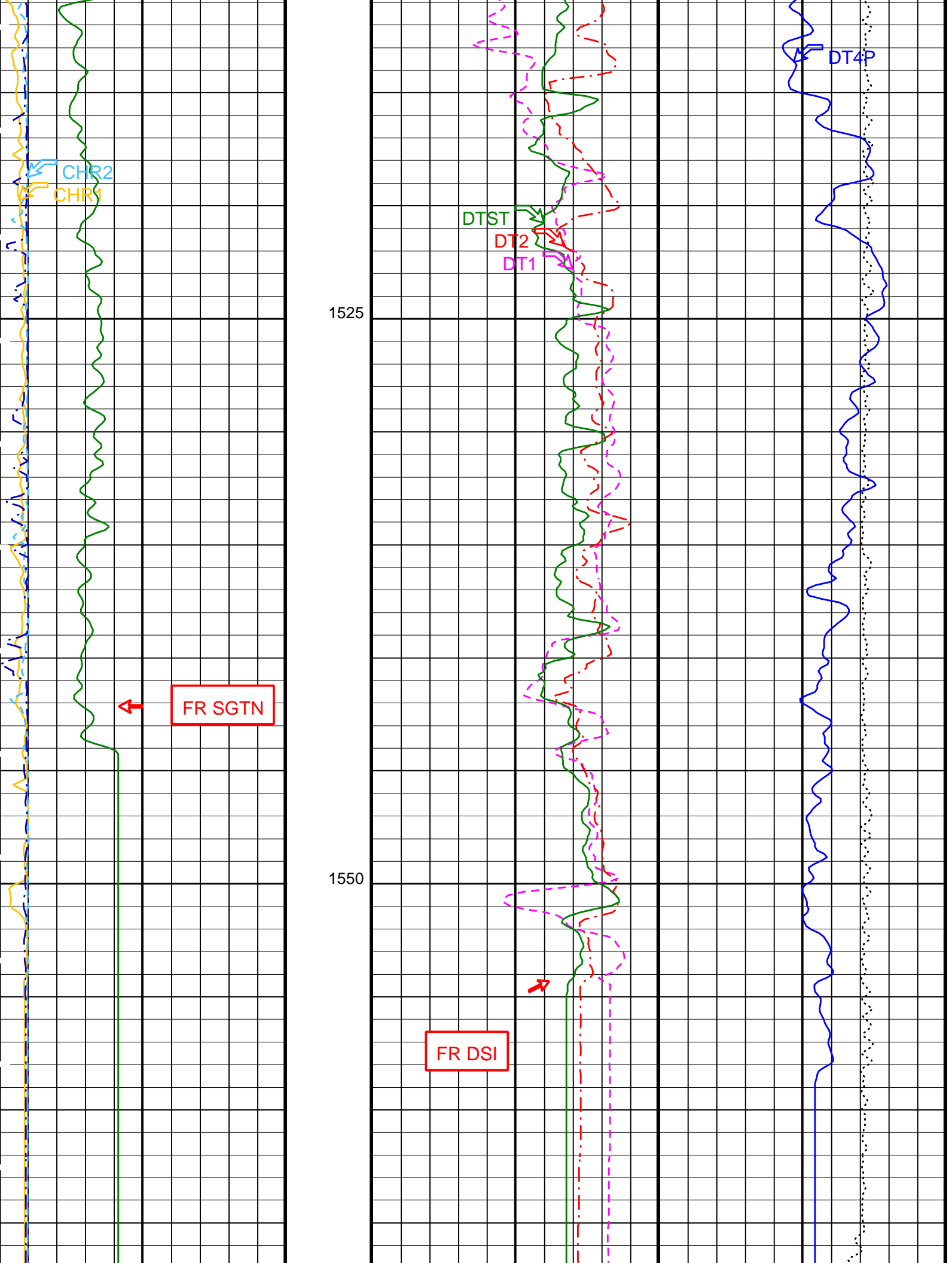












Total Depth

Gamma Ray (GR) (GAPI) 0 100		Delta-T Shear - Lower Dipole (DT1) (US/F) 1600 300		Delta-T Comp - P & S (DT4P) (US/F) 250 150	
Peak Coherence / RA - Lower Dipole (CHR1) 0 10		Delta-T Shear - Upper Dipole (DT2) (US/F) 1600 300		Tension (TENS) (LBF) 10000 0	
Peak Coherence / RA - Upper Dipole (CHR2) 0 10		Delta-T Stoneley (DTST) (US/F) 1600 300			
Peak Coherence / RA - P & S Comp (CHRP) 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	40 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	240 US/F
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	220 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1600 US/F
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DTF	Delta-T Fluid	189 US/F
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR
LFC	Label Formation Character - Monopole P&S	DYNAMIC
LTXG	Lower Dipole Transmitter Geometry	156 IN
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NWI1	Number Waveform Items 1	8
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
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
SFM1	STC Filter - Lower Dipole	B1-3K
SFM2	STC Filter - Upper Dipole	B.3-1.5K
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	75 US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240 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	220 US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	1600 US/F
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
UTXG	Upper Dipole Transmitter Geometry	162 IN
SGT-N: Scintillation Gamma-Ray - N		
BHS	Borehole Status	OPEN

# OP System Version: 12C0-301

MCM

MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

## Output DLIS Files

DEFAULT	FMS_DSI_014LUP	FN:13	PRODUCER	14-Oct-2005 23:22
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## Output DLIS Files

DEFAULT	FMS_DSI_014LUP	FN:13	PRODUCER	14-Oct-2005 23:22	1574.0 M	1295.4 M
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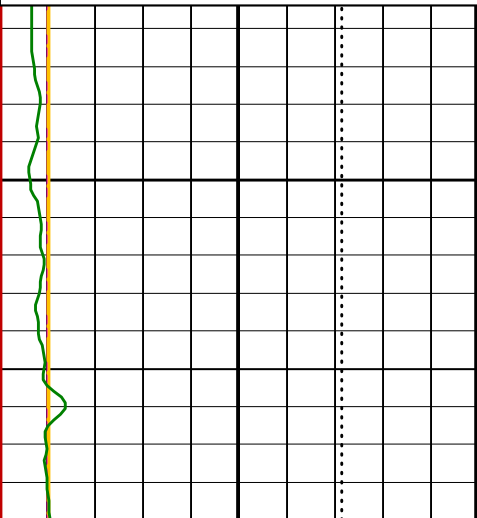
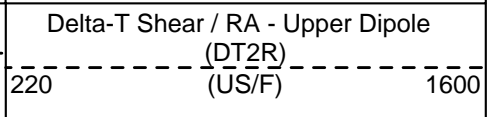
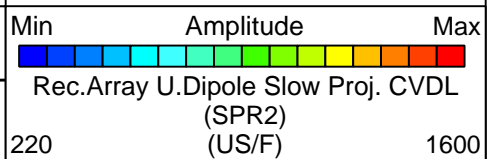
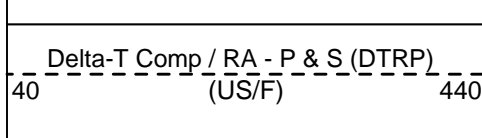
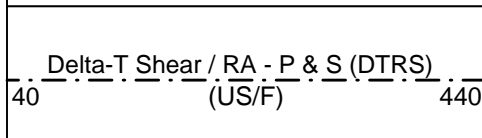
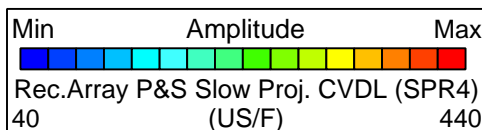
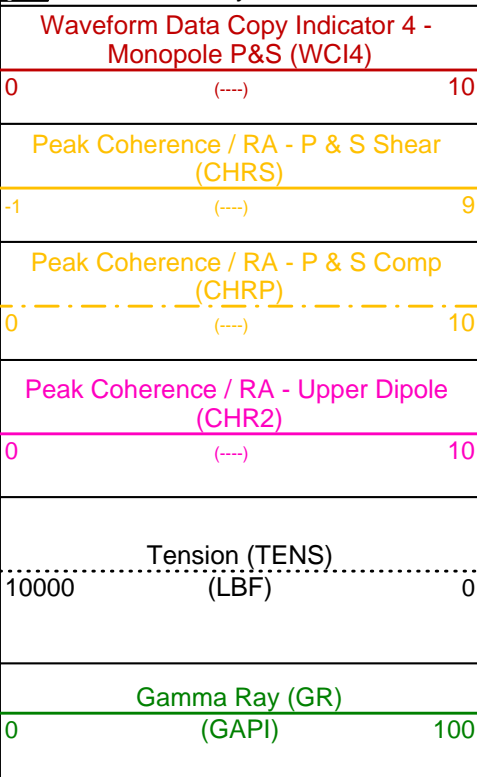
# OP System Version: 12C0-301

MCM

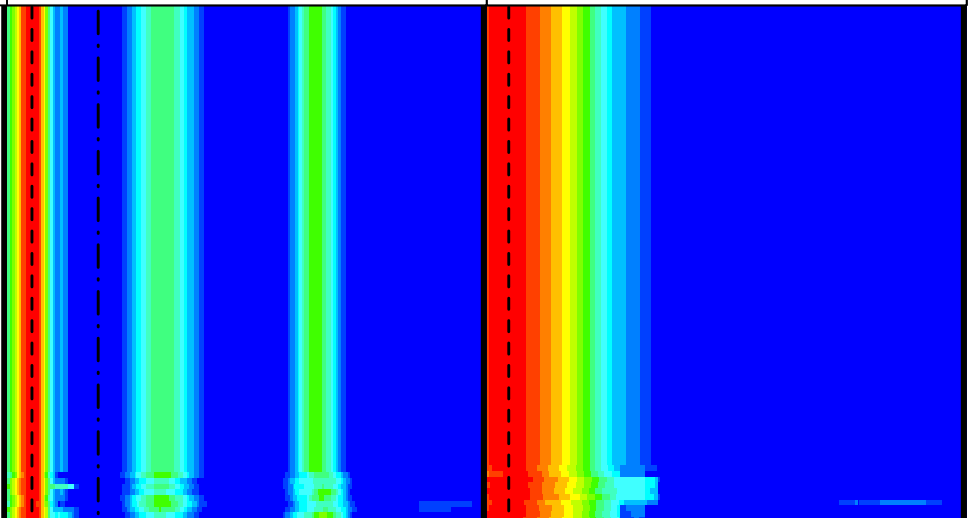
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DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

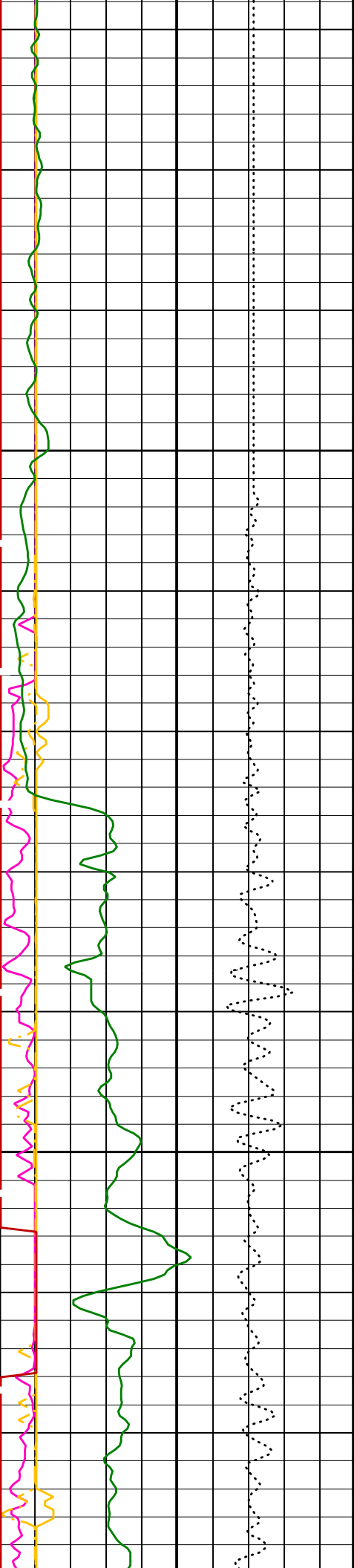
### PIP SUMMARY

Time Mark Every 60 S



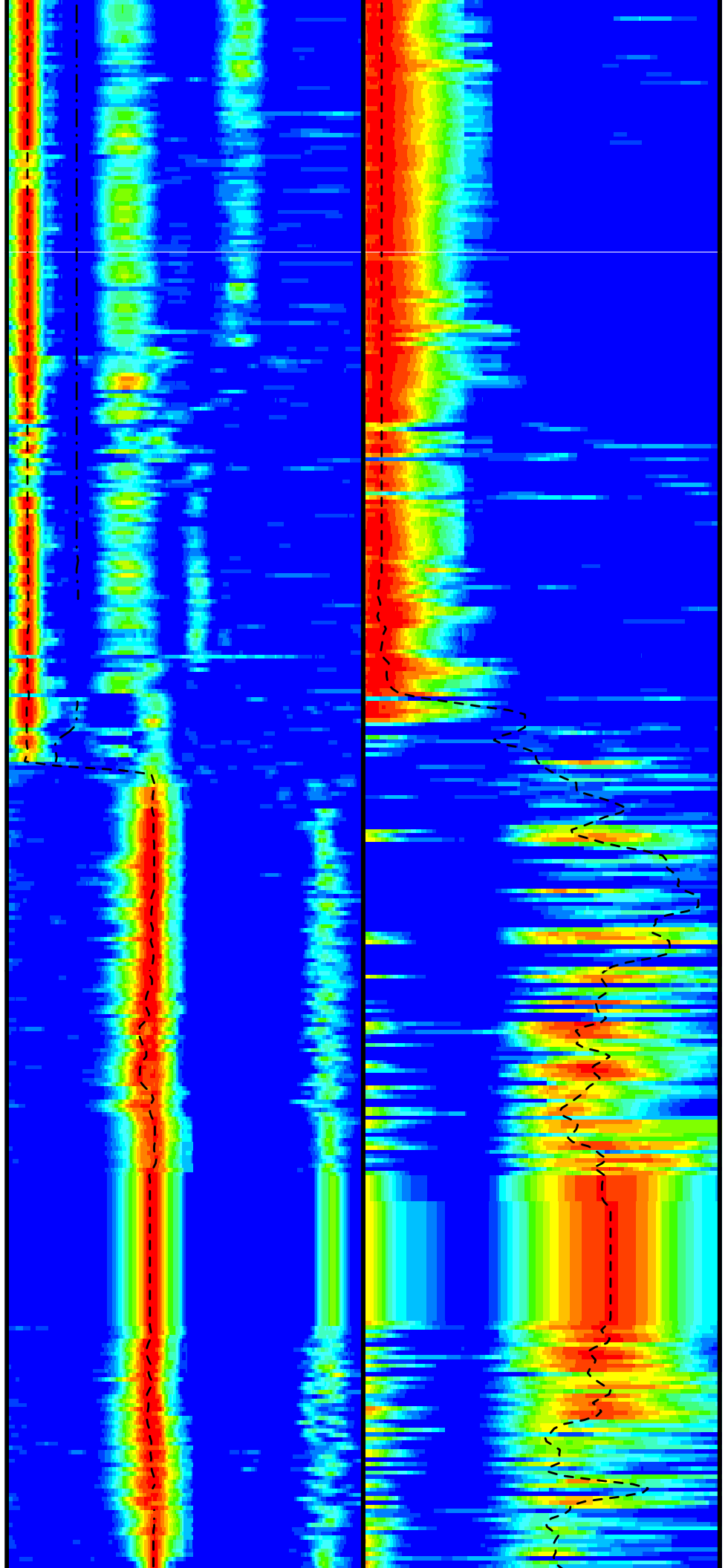
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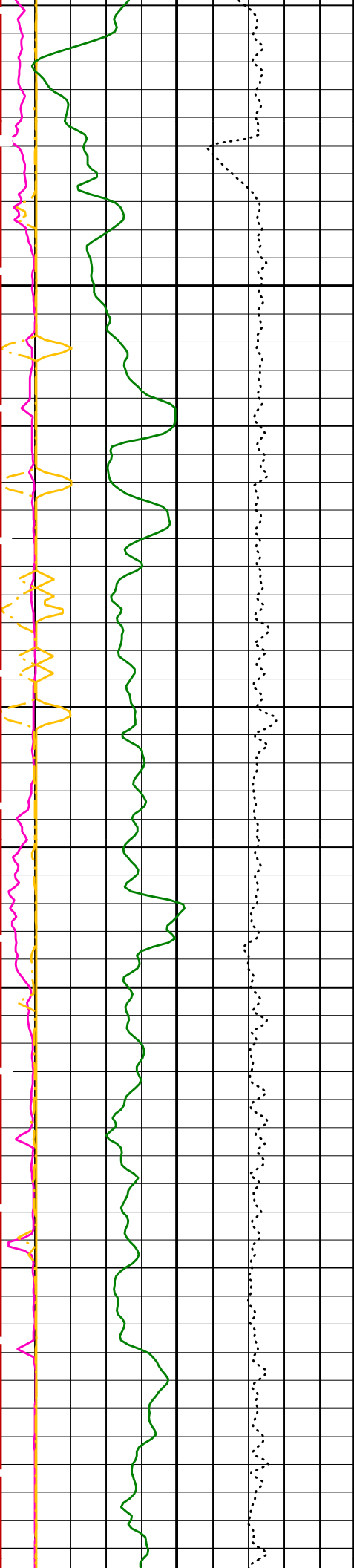




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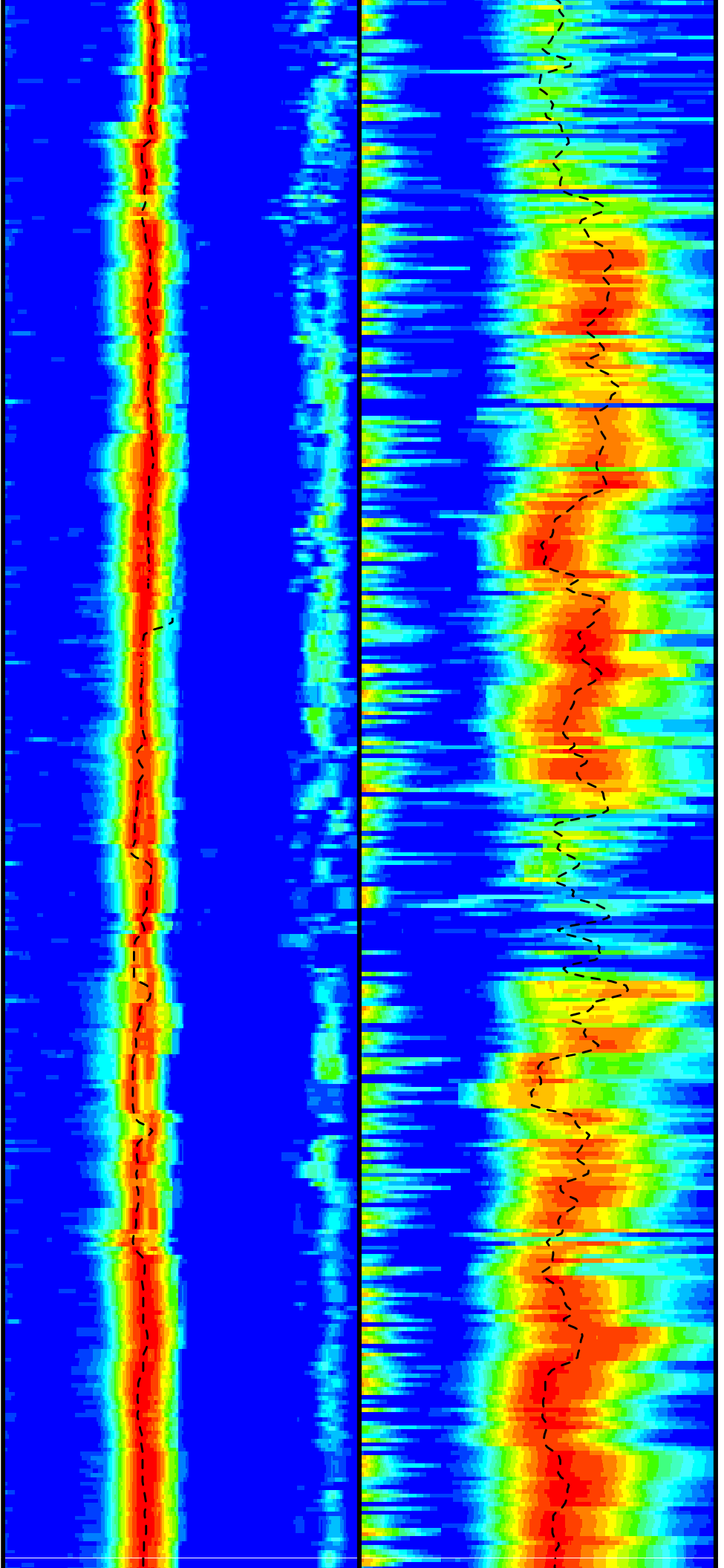
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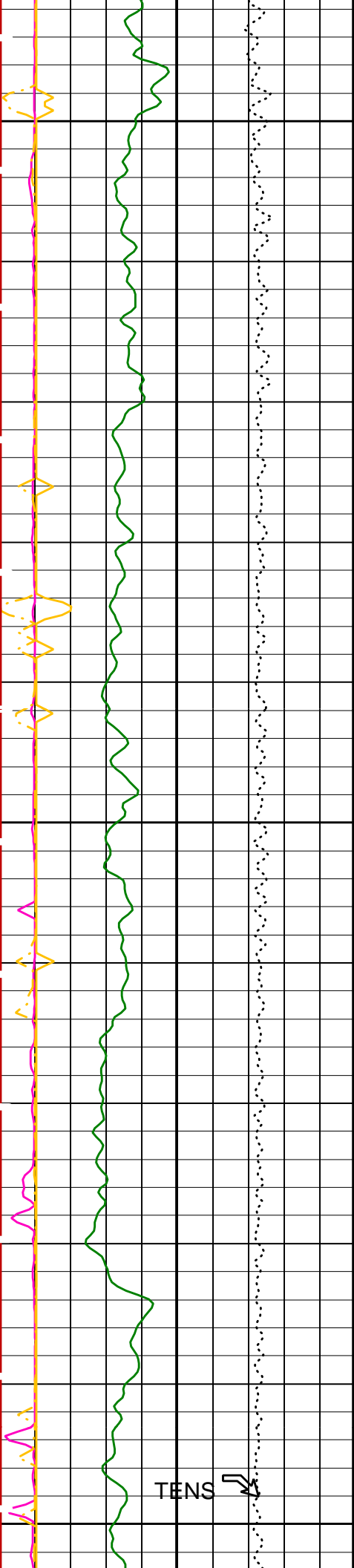




1375

1400



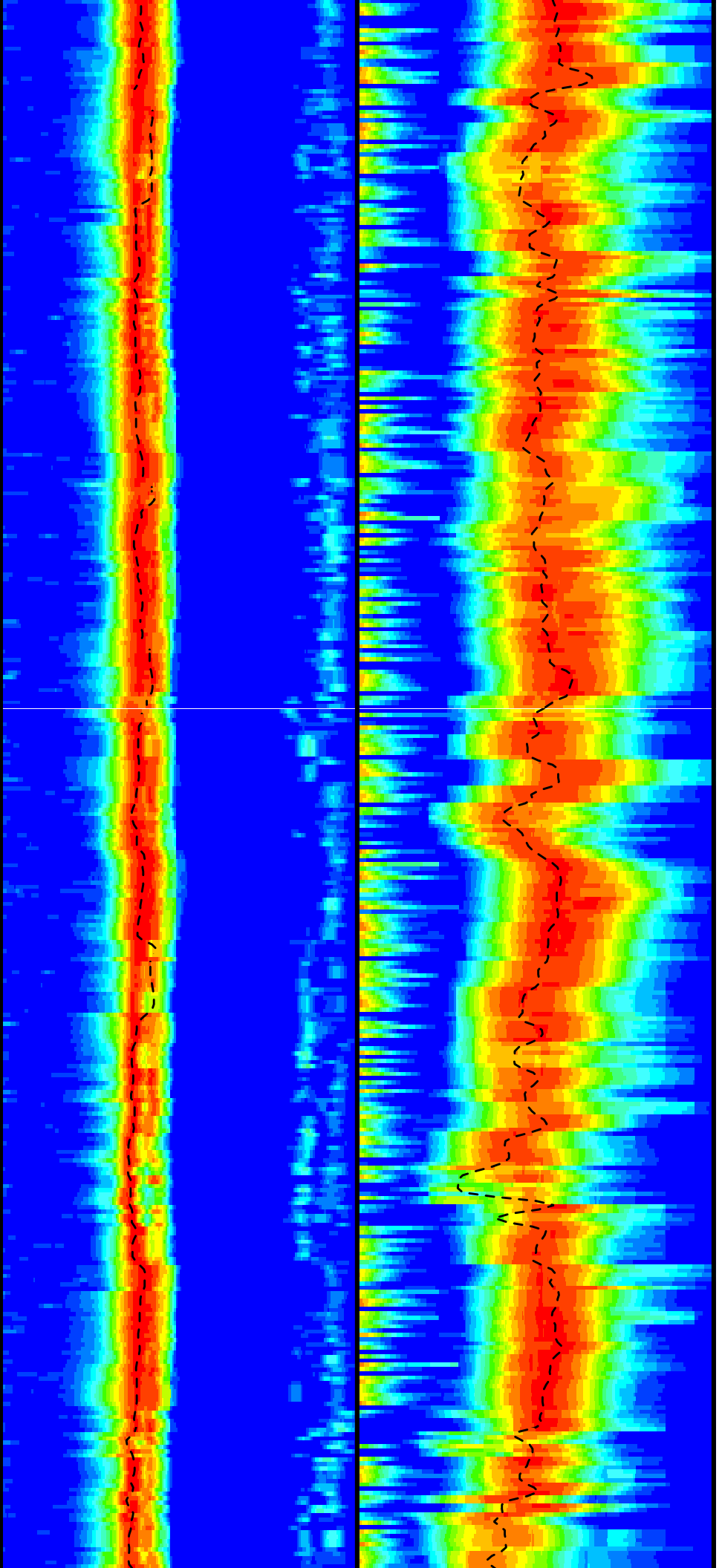


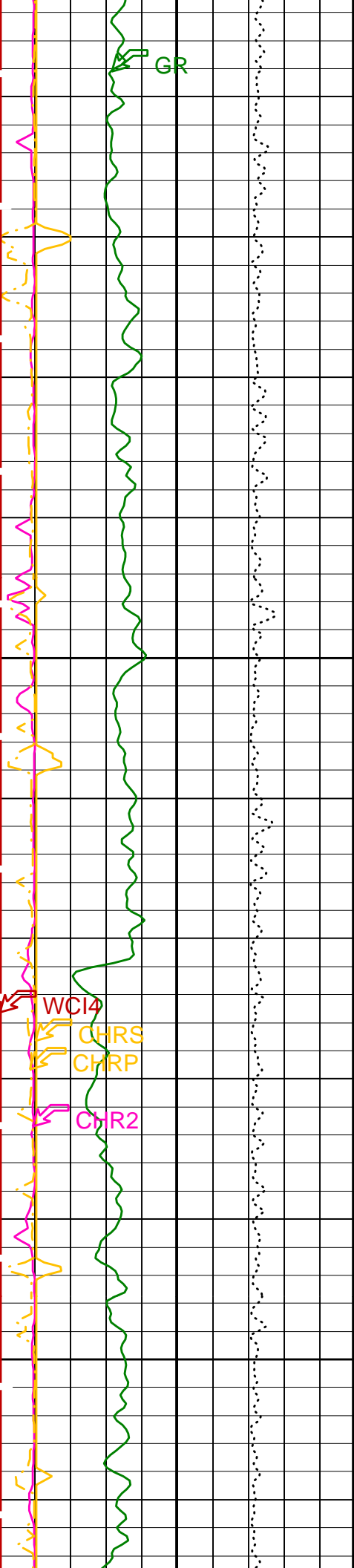
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1450

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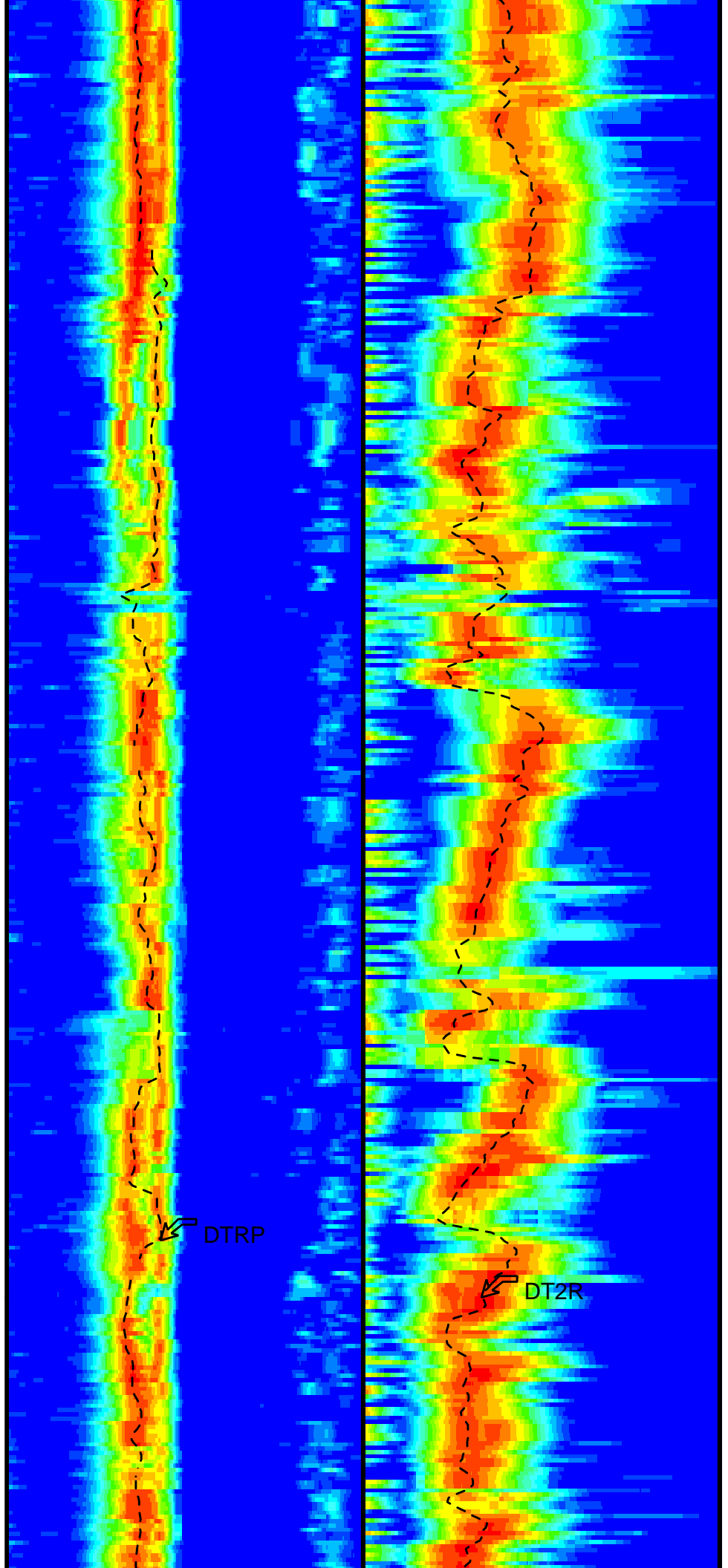
TENS →



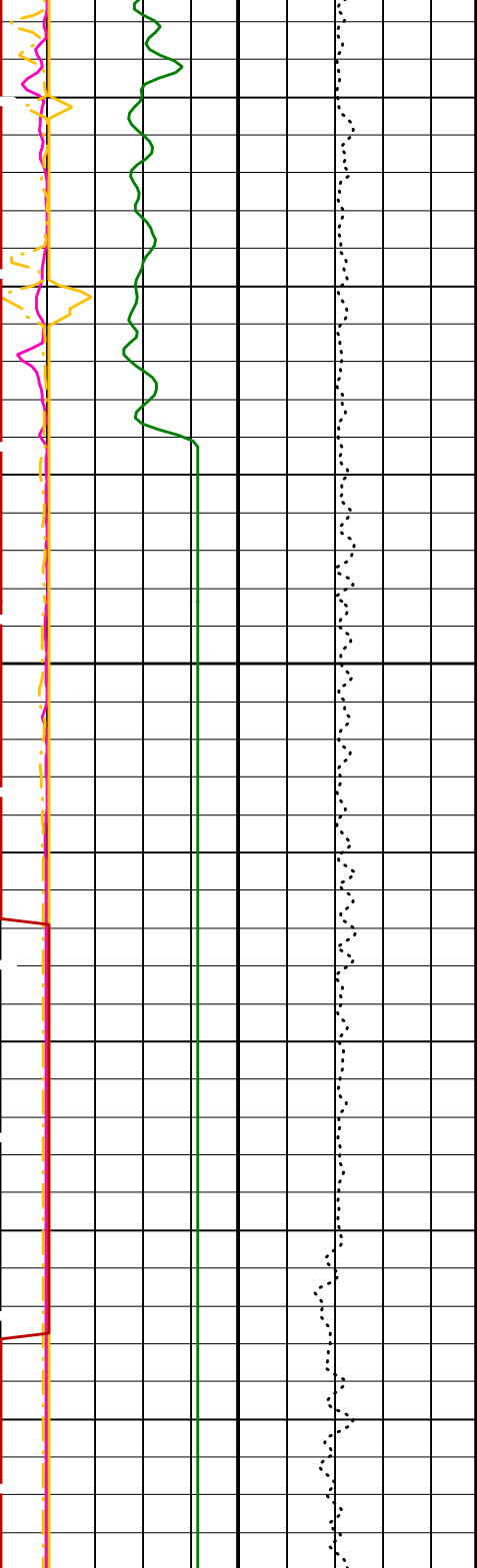


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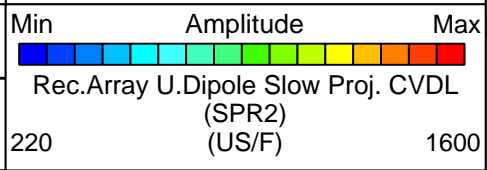
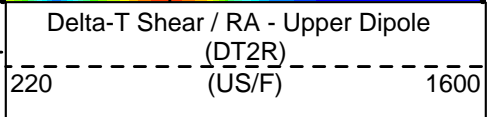
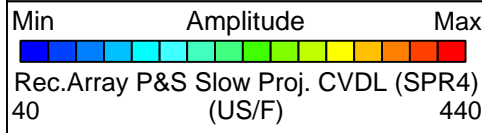
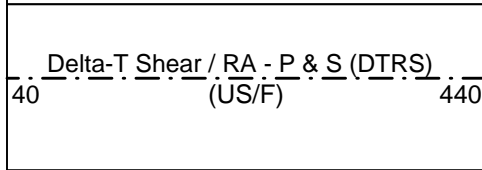
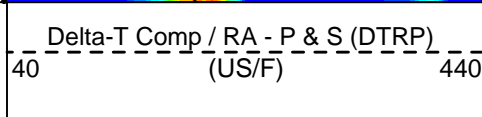
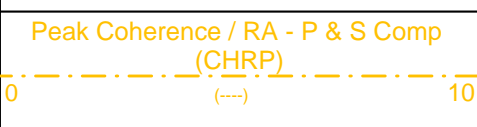
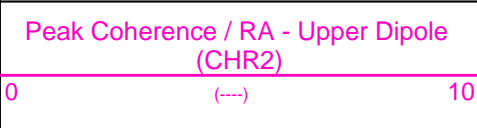
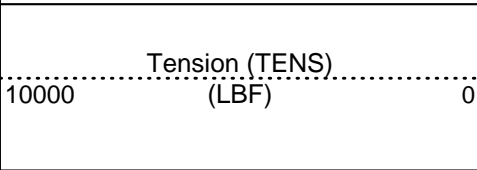
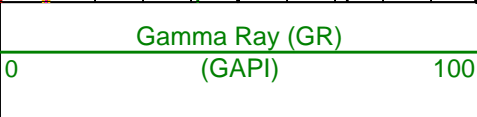
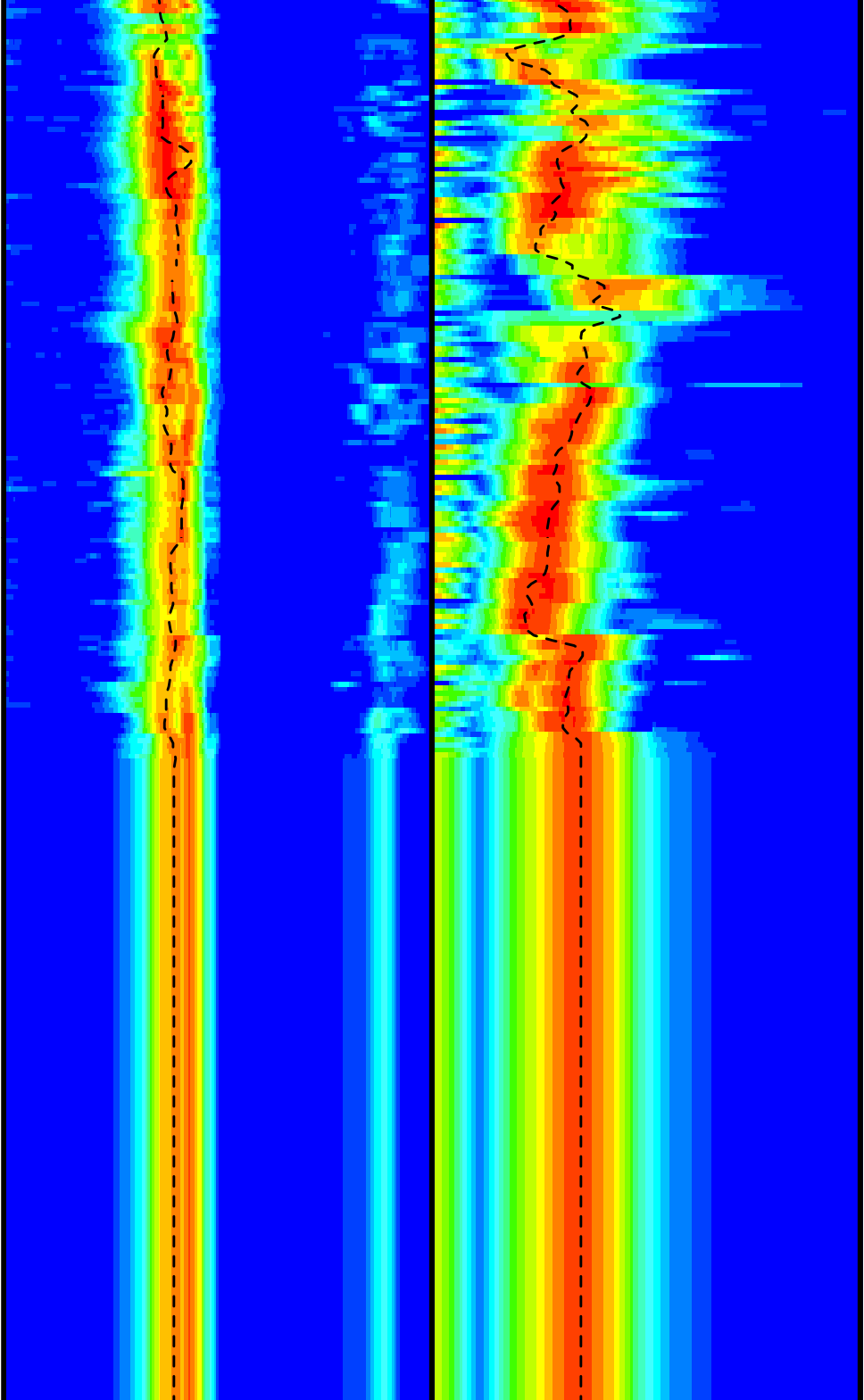
1525







1550



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	40 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	240 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	220 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1600 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DTF	Delta-T Fluid	189 US/F
DWC2	Digitizer Word Count 2	512
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	512
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR
LFC	Label Formation Character - Monopole P&S	DYNAMIC
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NWI2	Number Waveform Items 2	8
NWI4	Number Waveform Items 4	8
NWIX	Number Waveform Items X	0
RSMN	Label Shear/Compressional Minimum Ratio - Monopole P&S	1.4
RSMX	Label Shear/Compressional Maximum Ratio - Monopole P&S	2.12
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	LFD_ODD
SAM4	DSST Sonic Acquisition Mode 4 - High Frequency Monopole Mode for P&S	MFD_EVEN
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS2	STC Sonic Array Status - Upper Dipole	255
SAS4	STC Sonic Array Status - Monopole P&S	255
SBO2	STC Search Band Offset - Upper Dipole	3000 US
SBO4	STC Search Band Offset - Monopole P&S	500 US
SBR4	STC Baseline Removal - Monopole P&S	ON
SBW2	STC Search Bandwidth - Upper Dipole	8000 US
SBW4	STC Search Bandwidth - Monopole P&S	2000 US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE
SFC4	STC Formation Character - Monopole P&S	SELECTABLE
SFM2	STC Filter - Upper Dipole	B.3-1.5K
SFM4	STC Filter - Monopole P&S	B3-12K
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	75 US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240 US/F
SLL2	STC Slowness Lower Limit - Upper Dipole	220 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	220 US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	1600 US/F
SUL2	STC Slowness Upper Limit - Upper Dipole	1600 US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	440 US/F
SWD2	STC Slowness Width - Upper Dipole	40 US/F
SWD4	STC Slowness Width - Monopole P&S	10 US/F
TPE2	STC Time for Baseline Fill - Upper Dipole	0

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	1420	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	5110	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM4	Waveform Mode 4	W1	
BHS	SGT-N: Scintillation Gamma-Ray - N Borehole Status		OPEN

Format: DSST\_P\_S\_UPPER\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 14-Oct-2005 23:22

<b>OP System Version: 12C0-301</b>			
MCM			
MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

<b>Output DLIS Files</b>			
DEFAULT	FMS_DSI_014LUP	FN:13    PRODUCER	14-Oct-2005 23:22

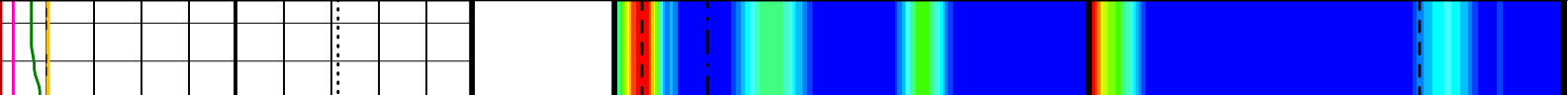
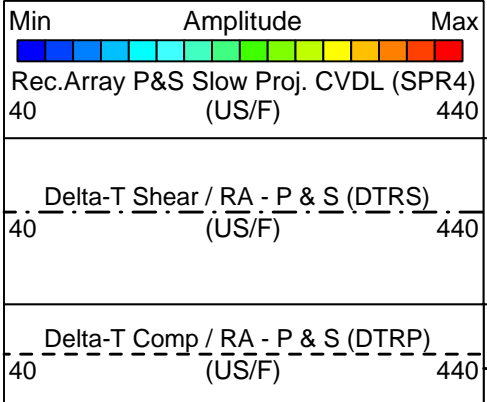
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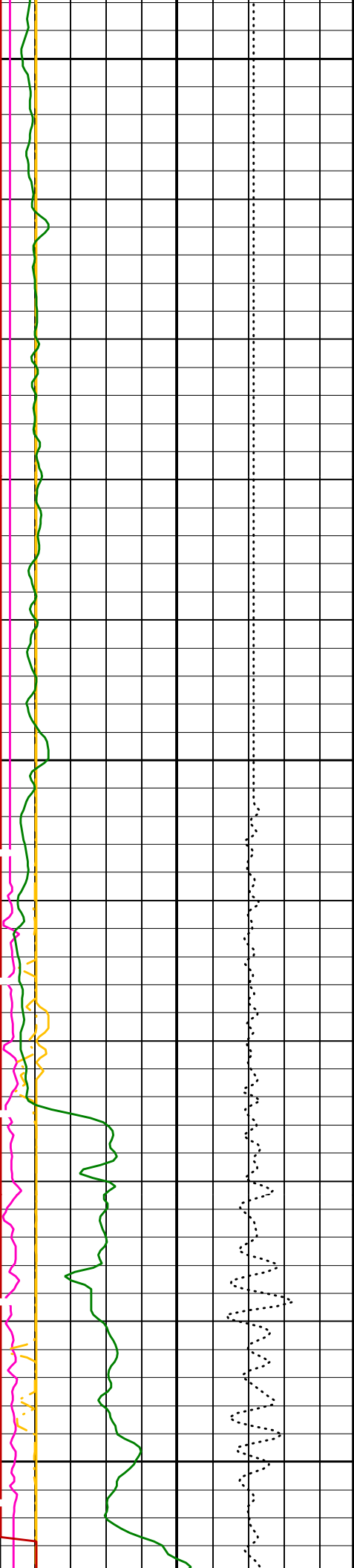
<b>OP System Version: 12C0-301</b>			
MCM			
MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

PIP SUMMARY

Time Mark Every 60 S

<b>Waveform Data Copy Indicator 4 - Monopole P&amp;S (WCI4)</b>		
0	(---)	10
<b>Peak Coherence / RA - P &amp; S Shear (CHRS)</b>		
-1	(---)	9
<b>Peak Coherence / RA - P &amp; S Comp (CHRP)</b>		
0	(---)	10
<b>Peak Coherence / RA - Lower Dipole (CHR1)</b>		
0	(---)	10
<b>Tension (TENS)</b>		
10000	(LBF)	0
<b>Gamma Ray (GR)</b>		
0	(GAPI)	100

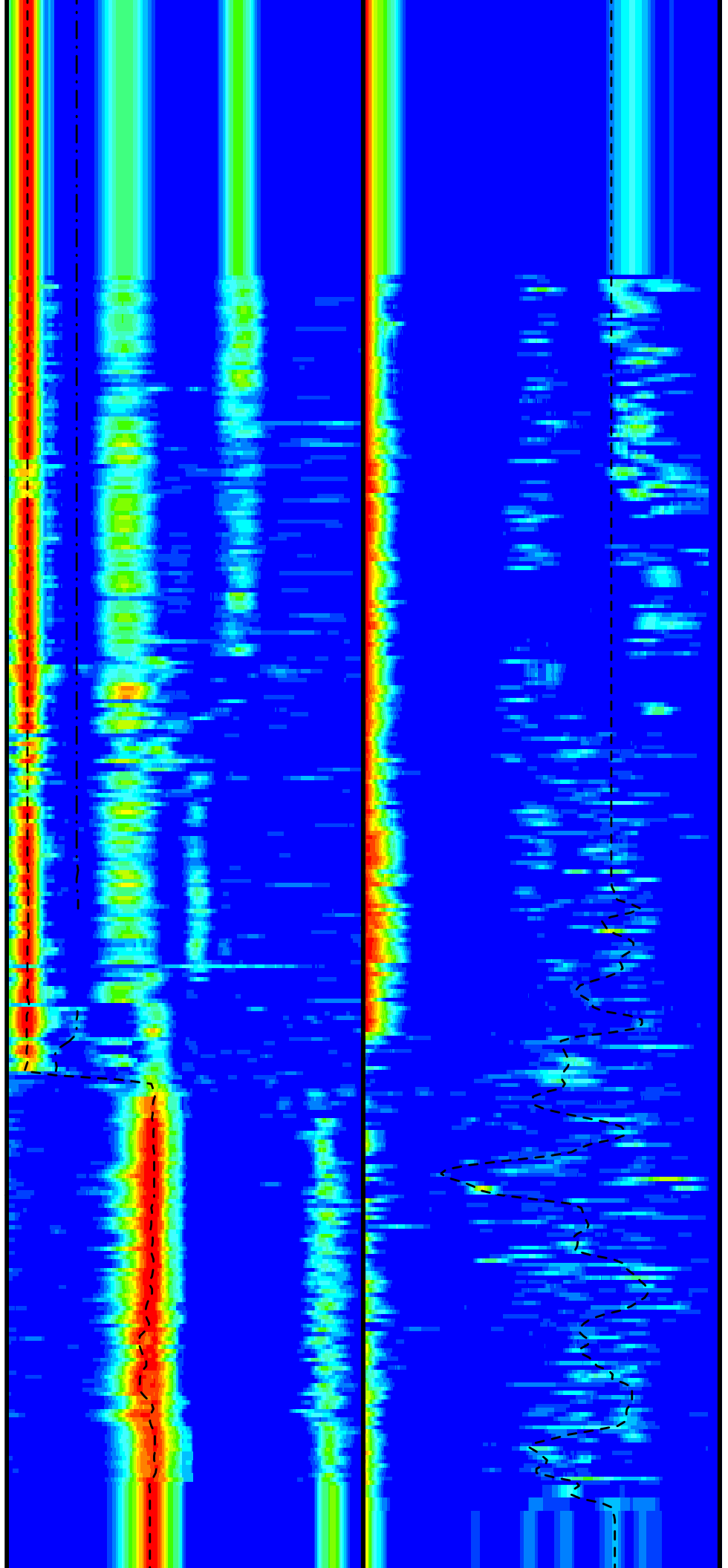


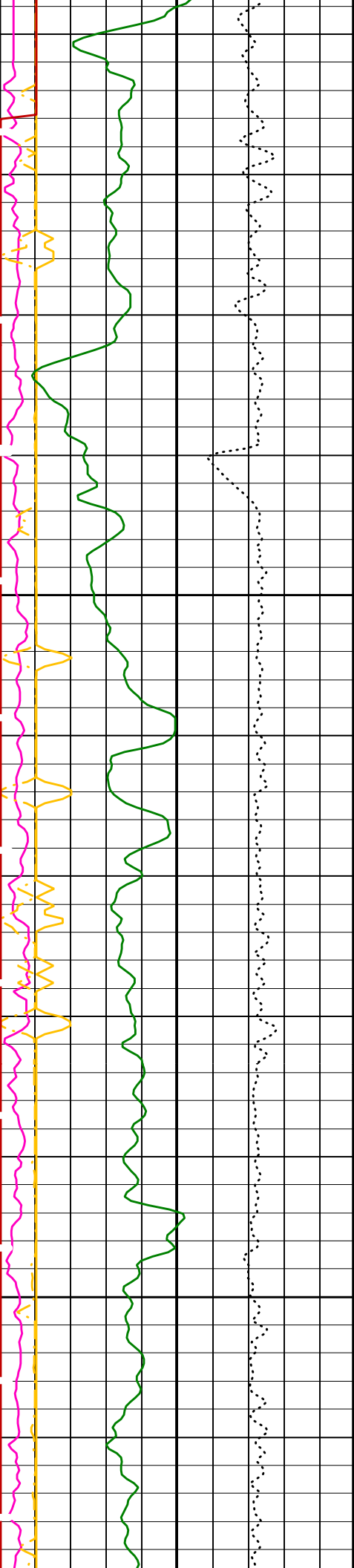


1300

1325

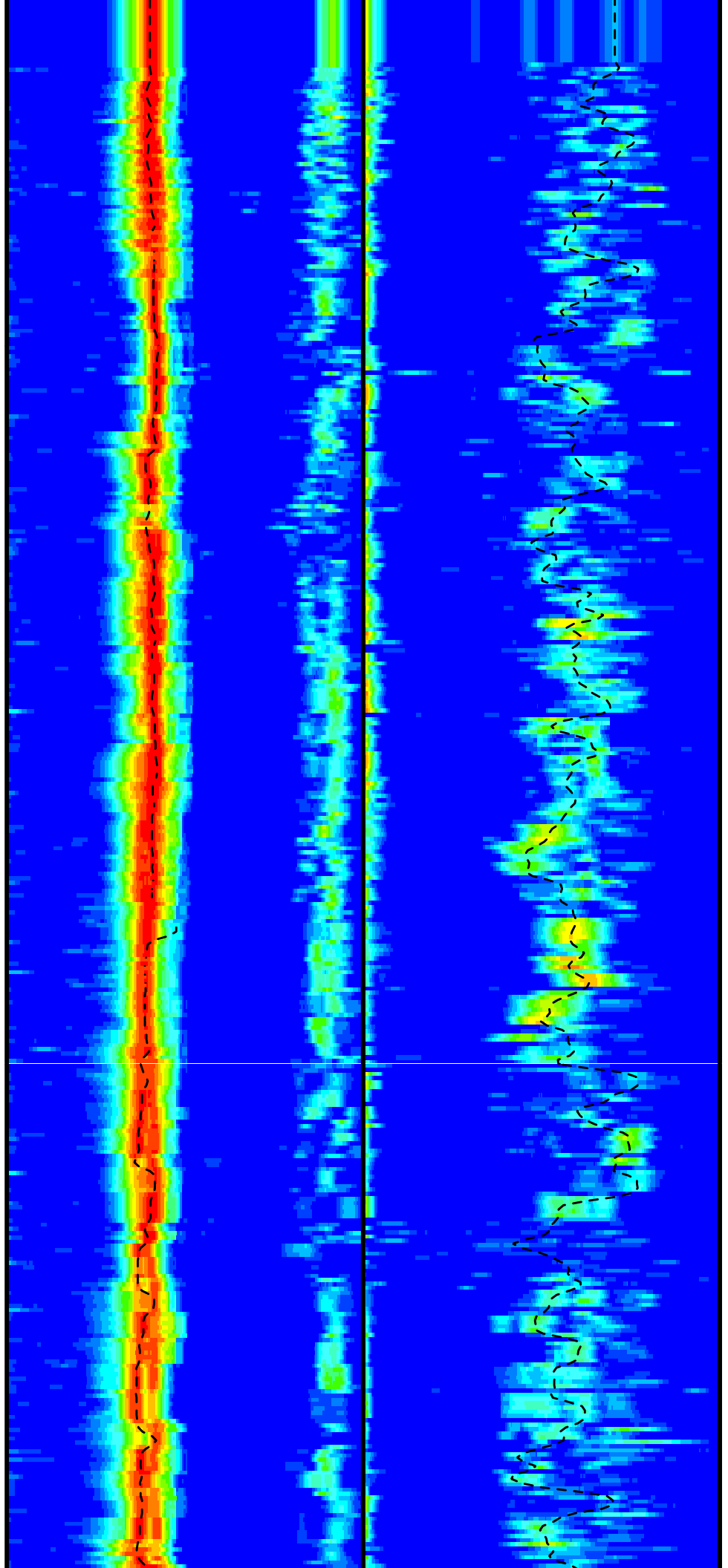
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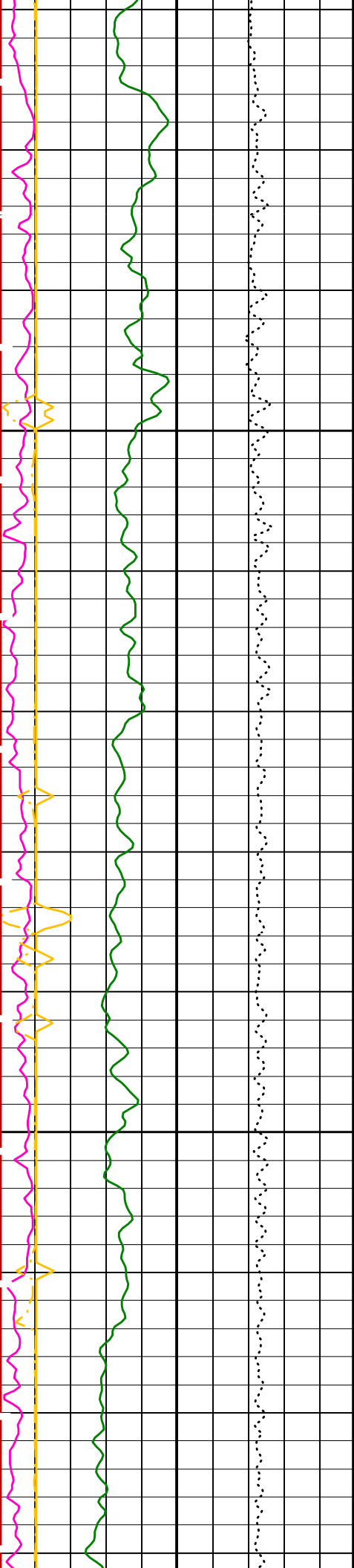




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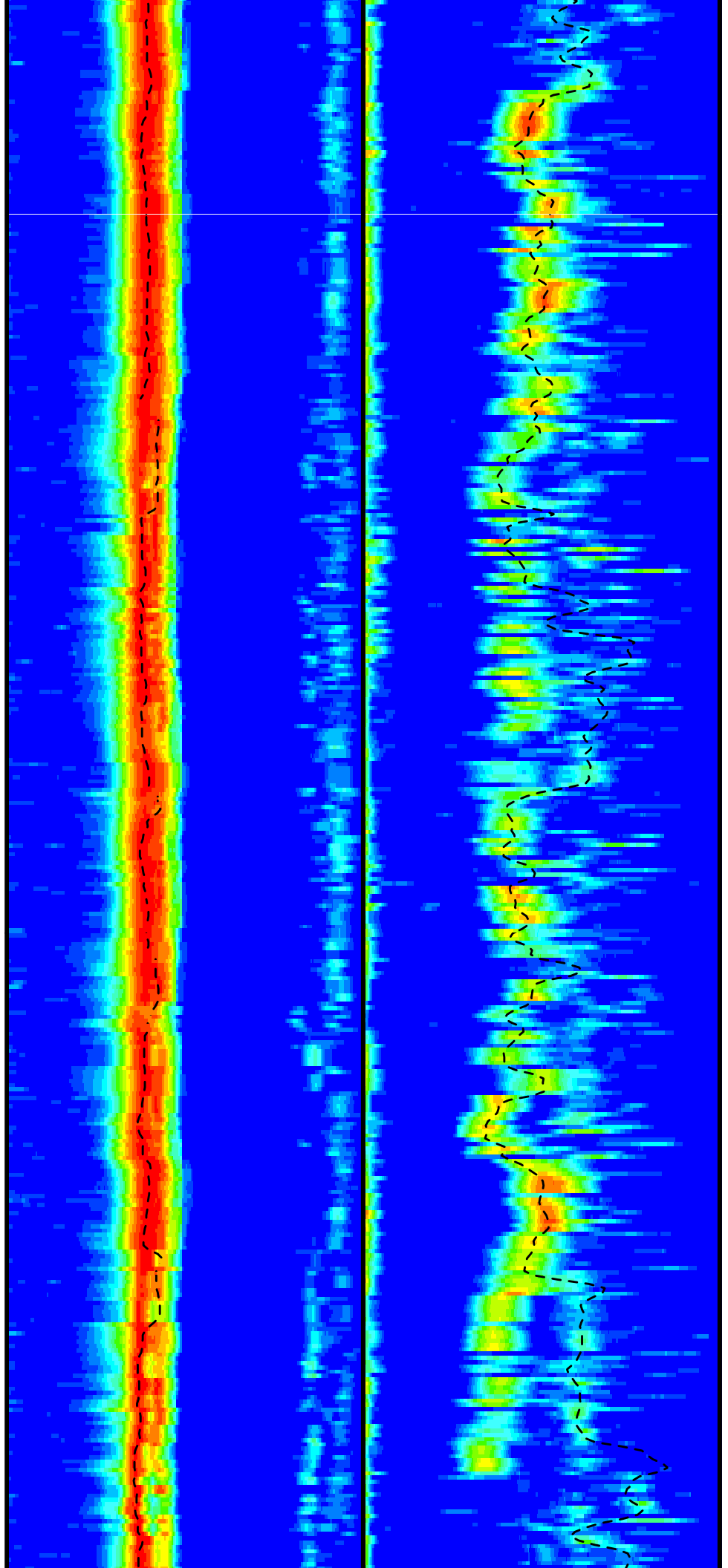
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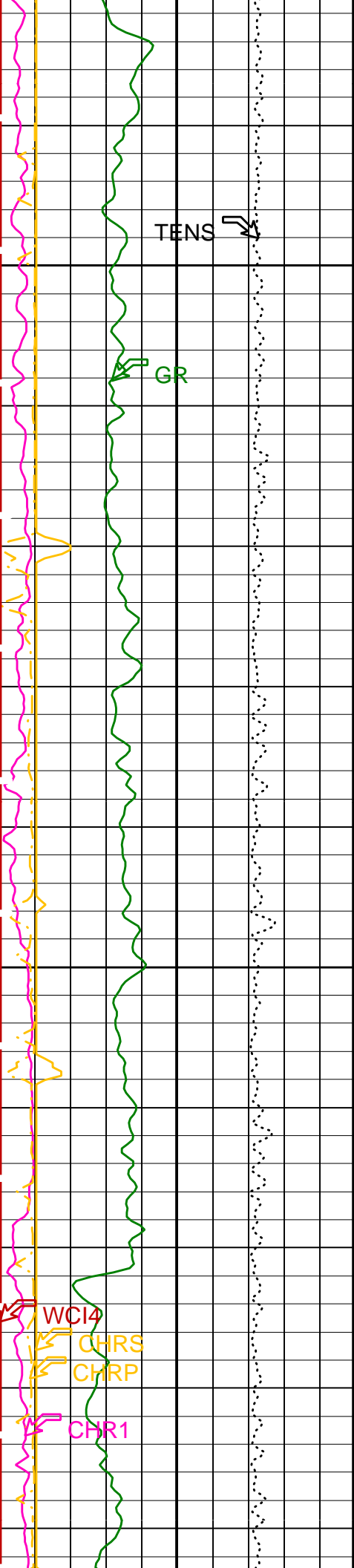




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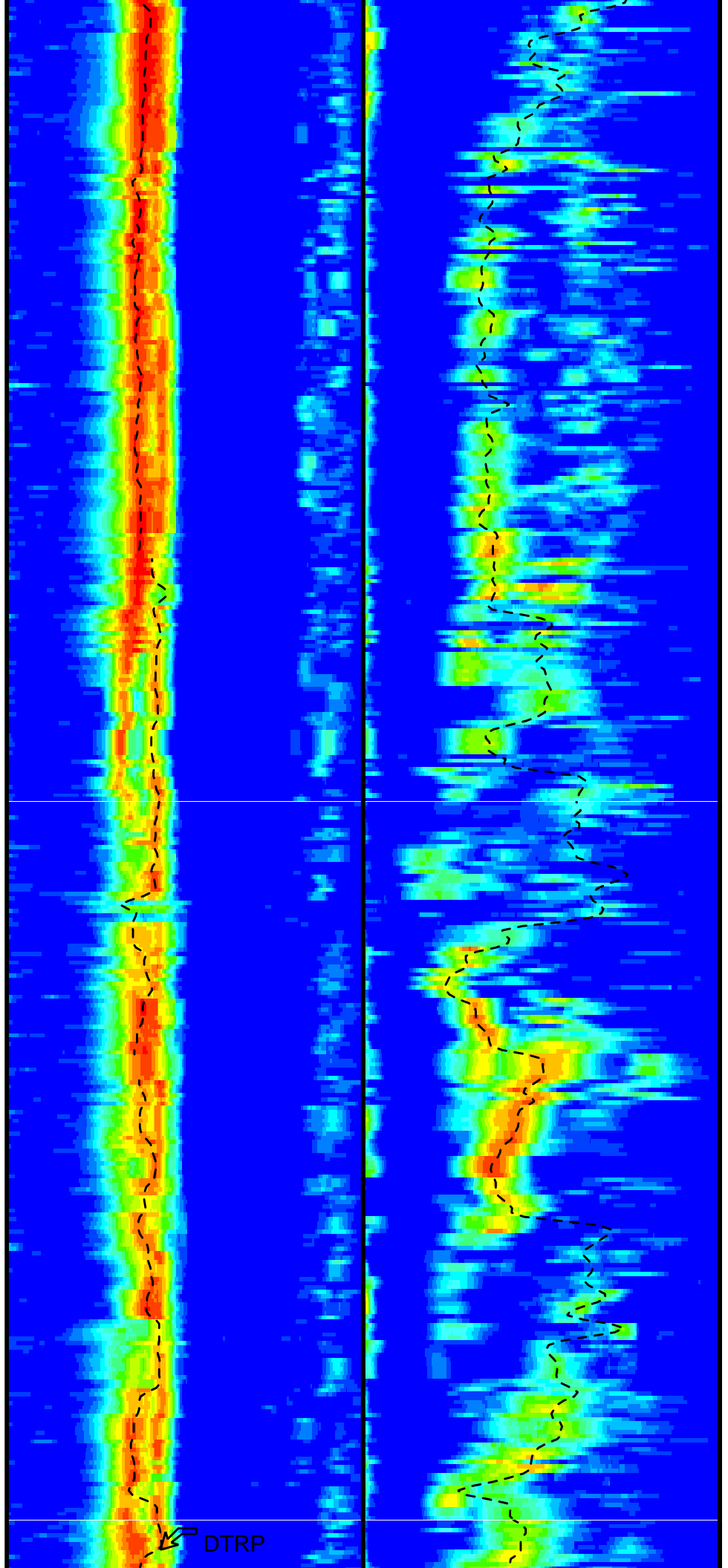
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1475

1500



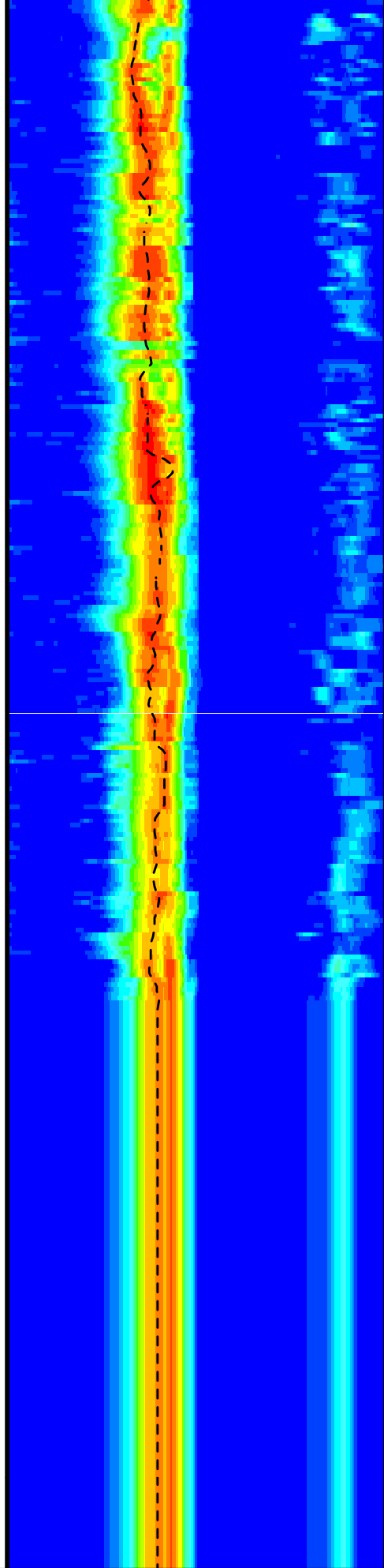
DTRP



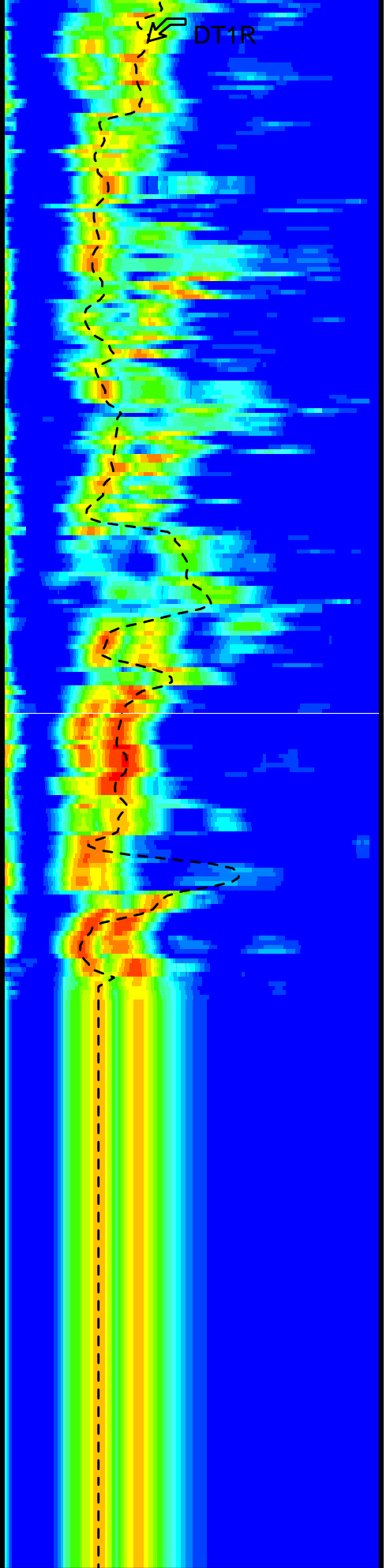
1525

1550

Gamma Ray (GR)  
(GAPI) 0 100



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



DT1R

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



Tension (TENS) (LBF)	
10000	0
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 Shear / RA - P & S (DTRS) (US/F)	
40	440
Min Amplitude Max	
Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)	
40	440

Min Amplitude Max	
Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)	
220	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	40 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	240 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	220 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	189 US/F
DWC1	Digitizer Word Count 1	512
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	512
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR
LFC	Label Formation Character - Monopole P&S	DYNAMIC
LTXG	Lower Dipole Transmitter Geometry	156 IN
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NWI1	Number Waveform Items 1	8
NWI4	Number Waveform Items 4	8
NWIX	Number Waveform Items X	0
RSMN	Label Shear/Compressional Minimum Ratio - Monopole P&S	1.4
RSMX	Label Shear/Compressional Maximum Ratio - Monopole P&S	2.12
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	EVEN
SAM4	DSST Sonic Acquisition Mode 4 - High Frequency Monopole Mode for P&S	MFD_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
SEC1	STC Formation Character - Lower Dipole	SEI ECTABLE

Parameter	Description	Value	Unit/Type
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B1-3K	
SFM4	STC Filter - Monopole P&S	B3-12K	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	75	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240	US/F
SLL1	STC Slowness Lower Limit - Lower Dipole	220	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	220	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	1600	US/F
SUL1	STC Slowness Upper Limit - Lower Dipole	1600	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	440	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	1530	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	5110	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
BHS	SGT-N: Scintillation Gamma-Ray - N Borehole Status	OPEN	

Format: DSST\_P\_S\_LOWER\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 14-Oct-2005 23:22

**OP System Version: 12C0-301**  
MCM

MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

**Output DLIS Files**

DEFAULT    FMS\_DSI\_014LUP    FN:13    PRODUCER    14-Oct-2005 23:22



**Pass #2**

MAXIS Field Log

**Output DLIS Files**

DEFAULT    FMS\_DSI\_015LUP    FN:14    PRODUCER    15-Oct-2005 00:30    1573.7 M    1345.5 M

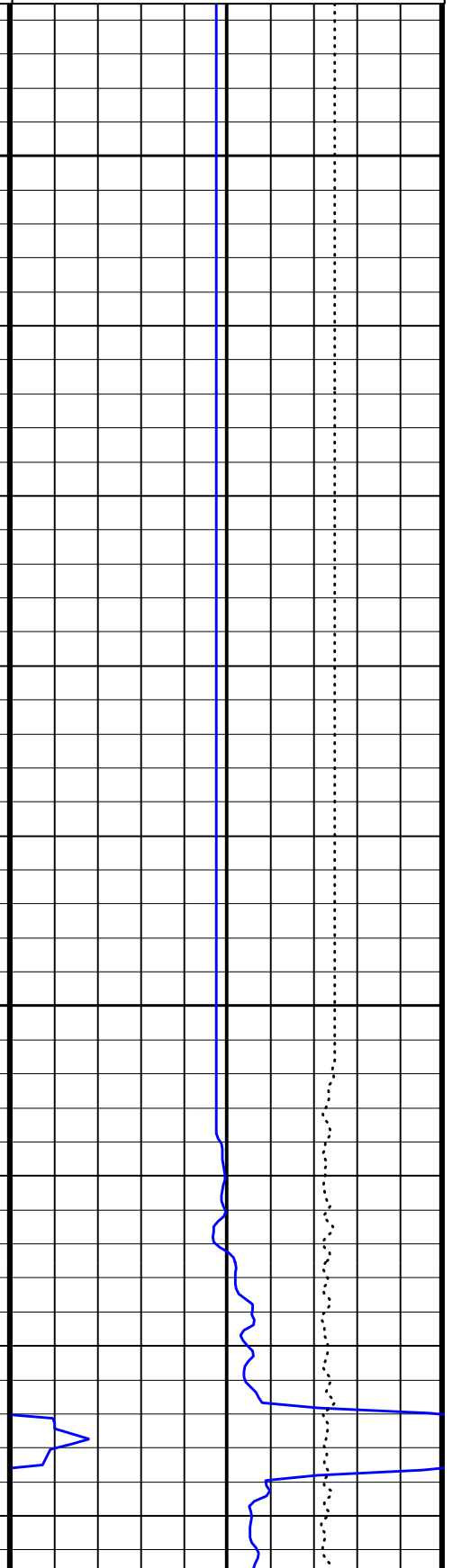
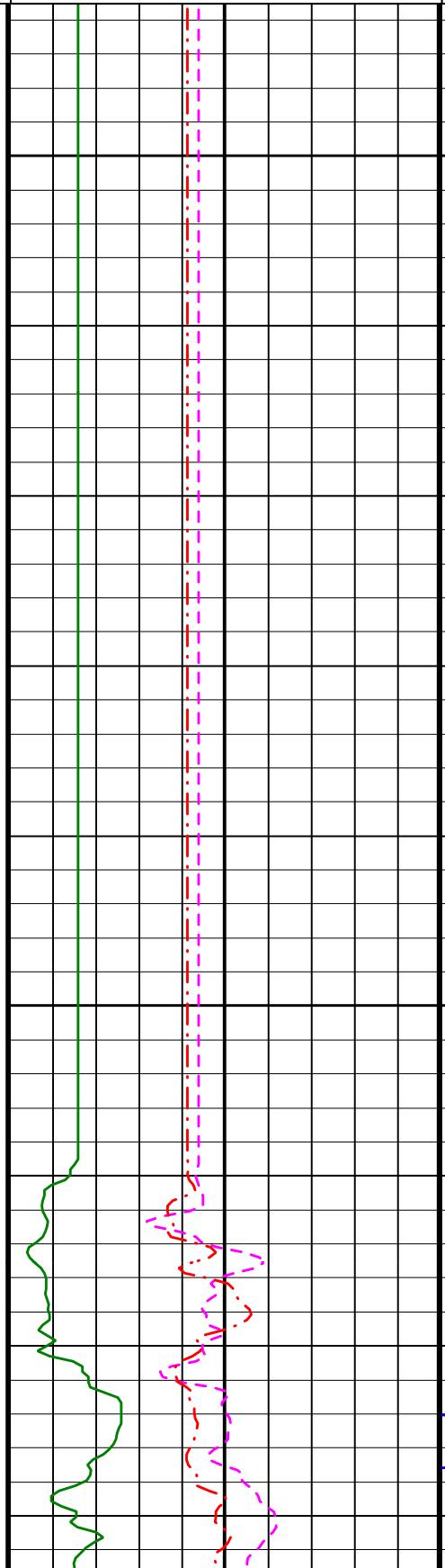
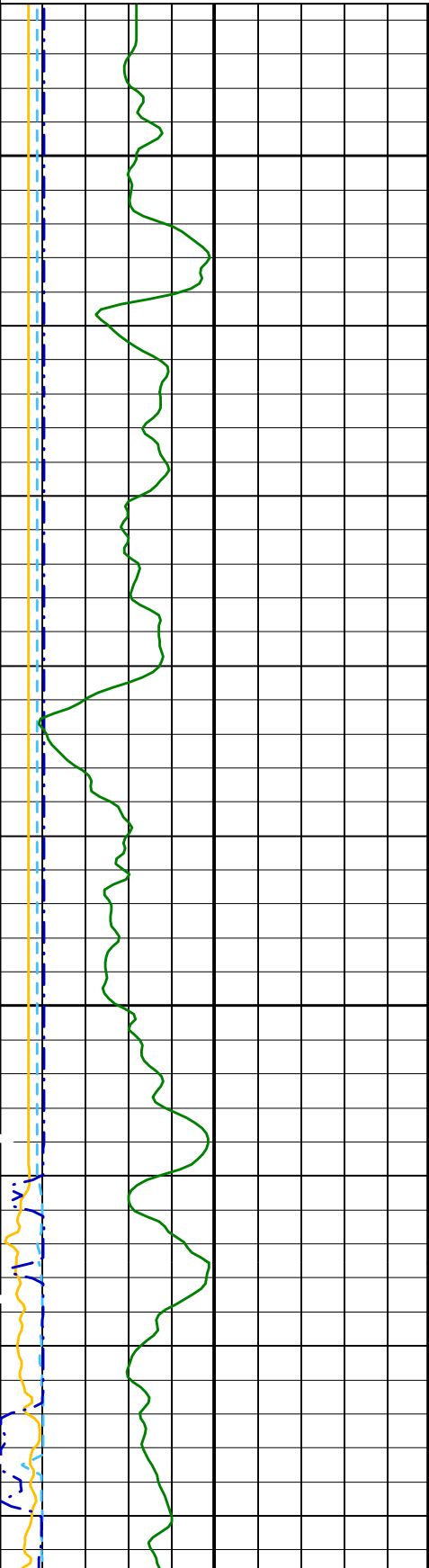
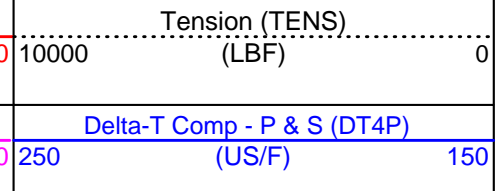
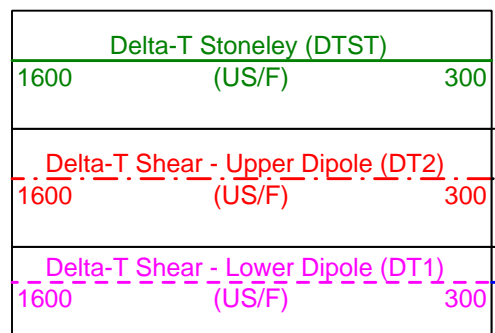
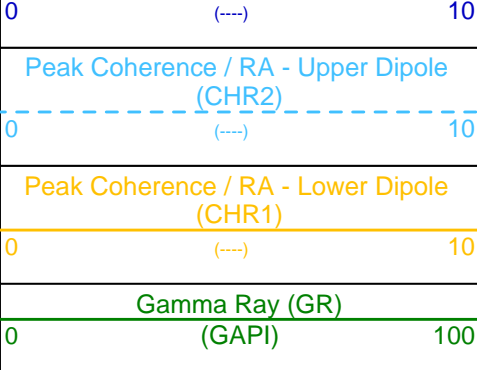
**OP System Version: 12C0-301**  
MCM

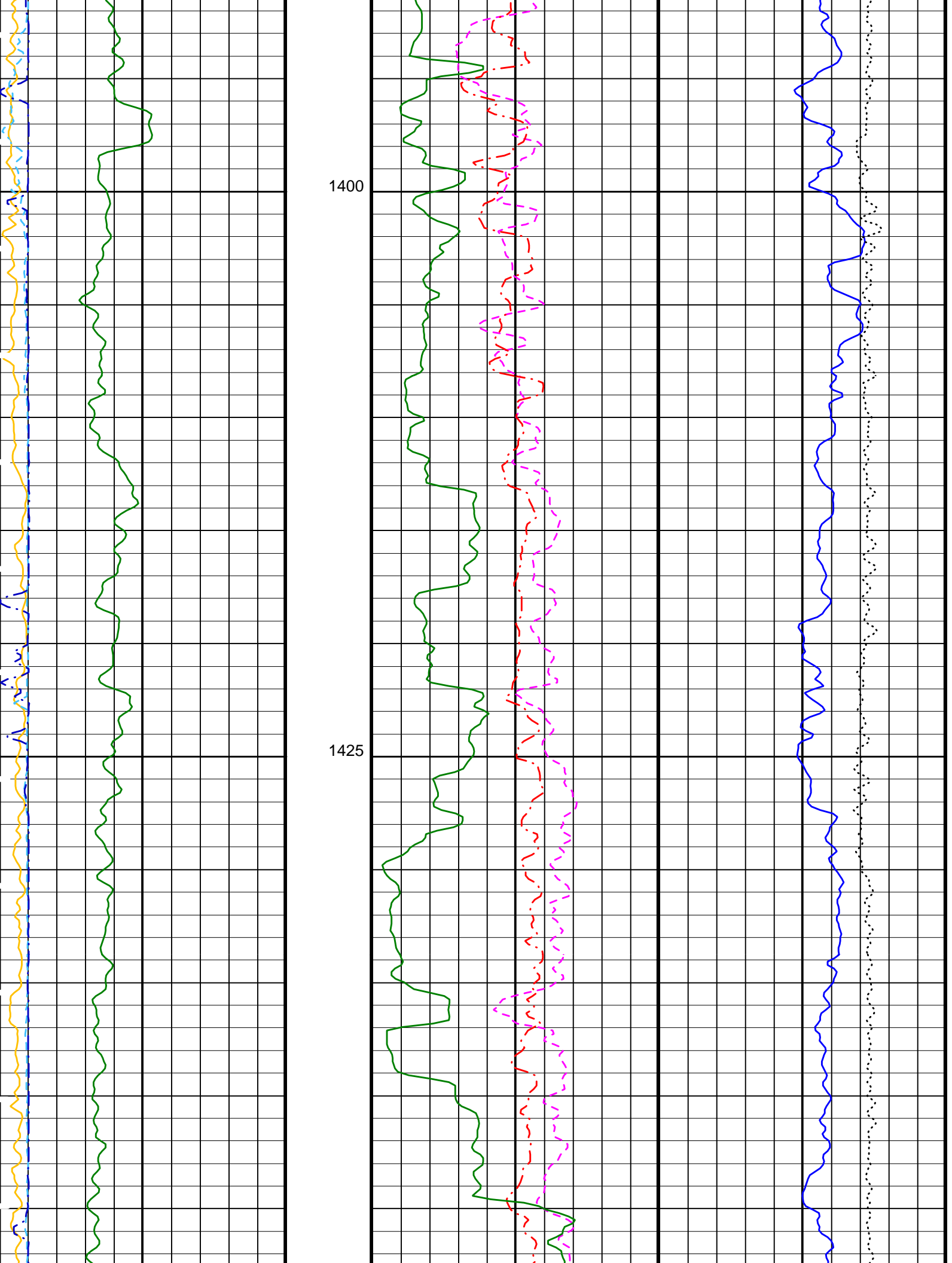
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DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

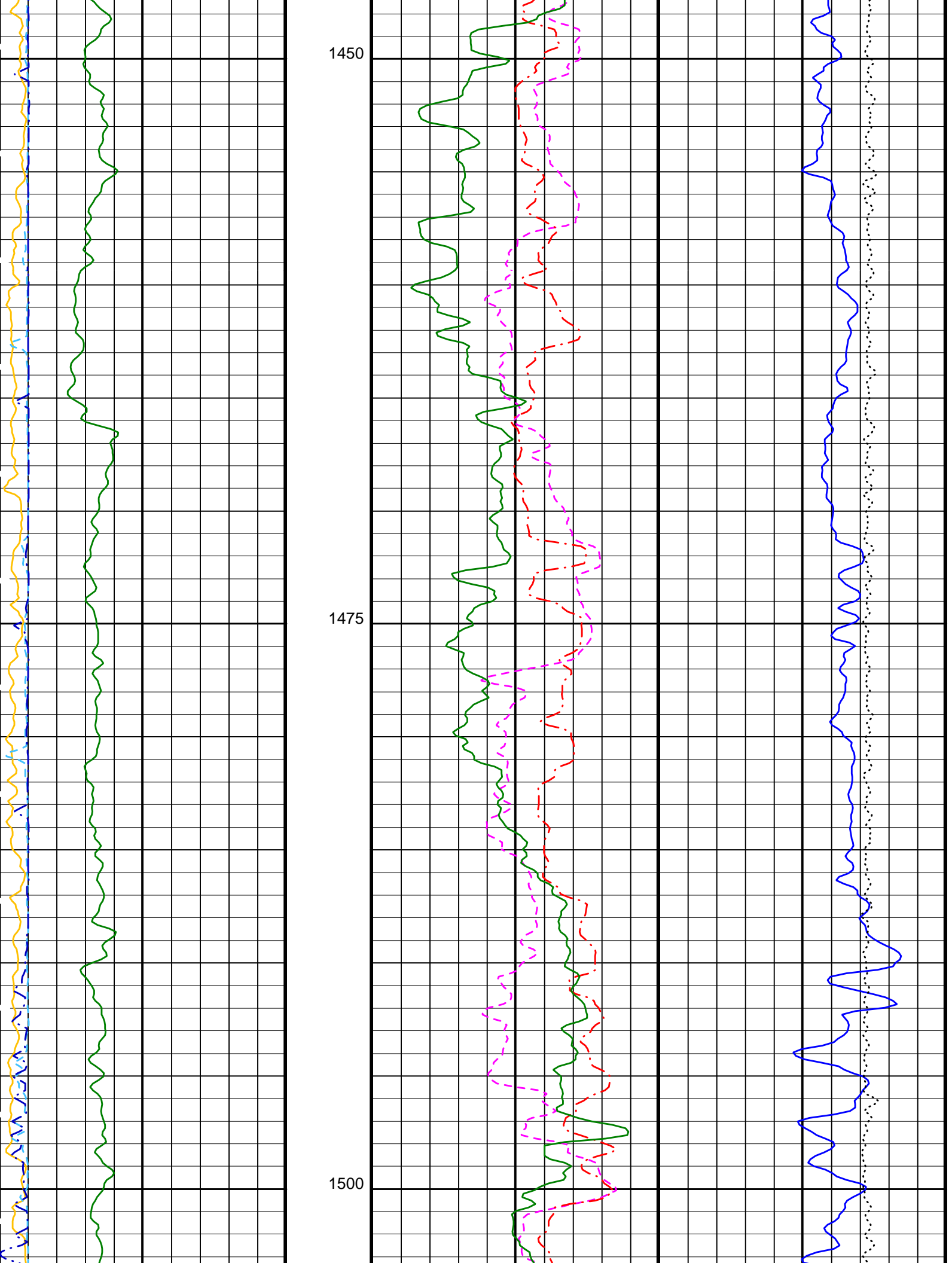
PIP SUMMARY

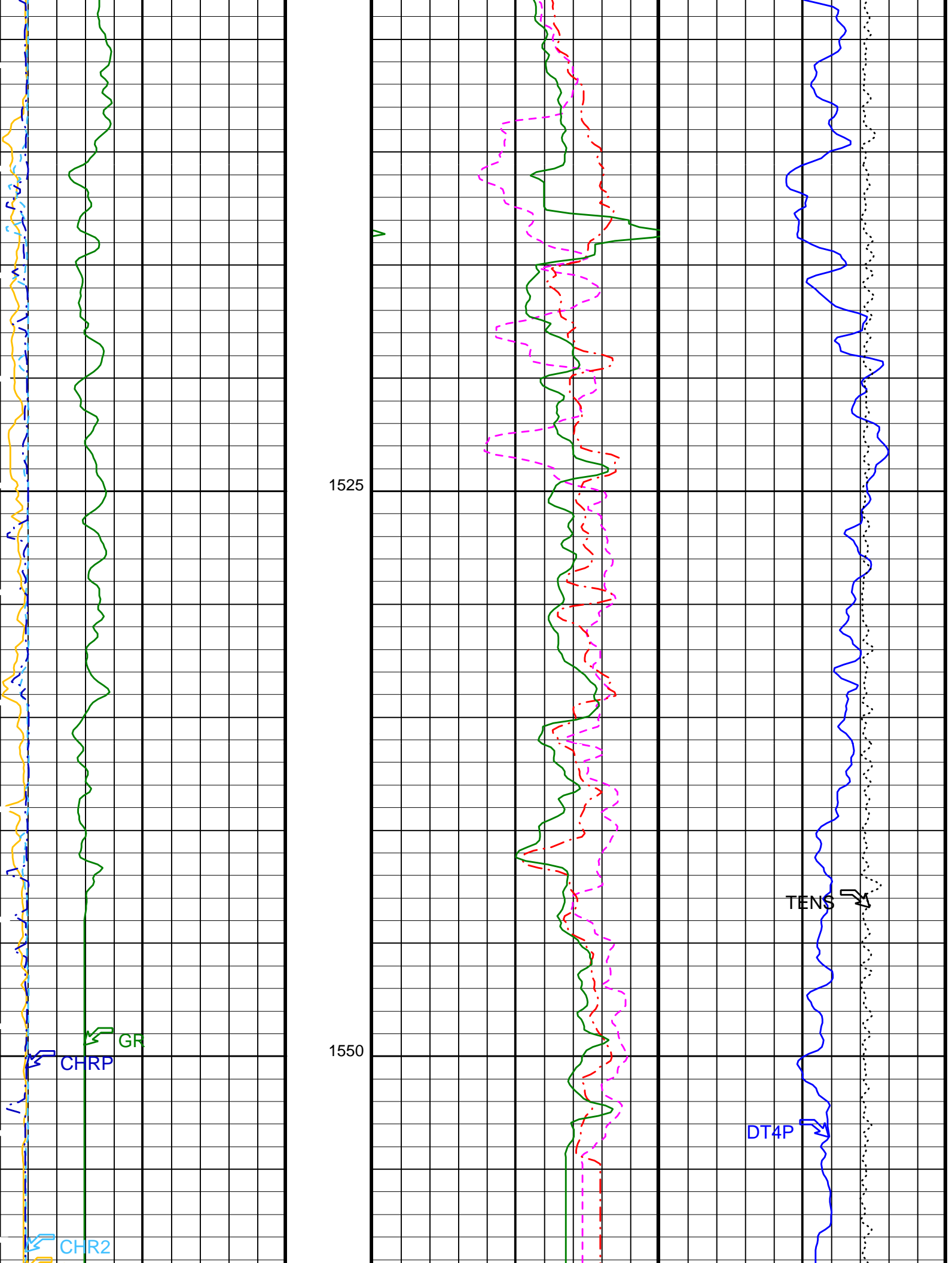
Time Mark Every 60 S

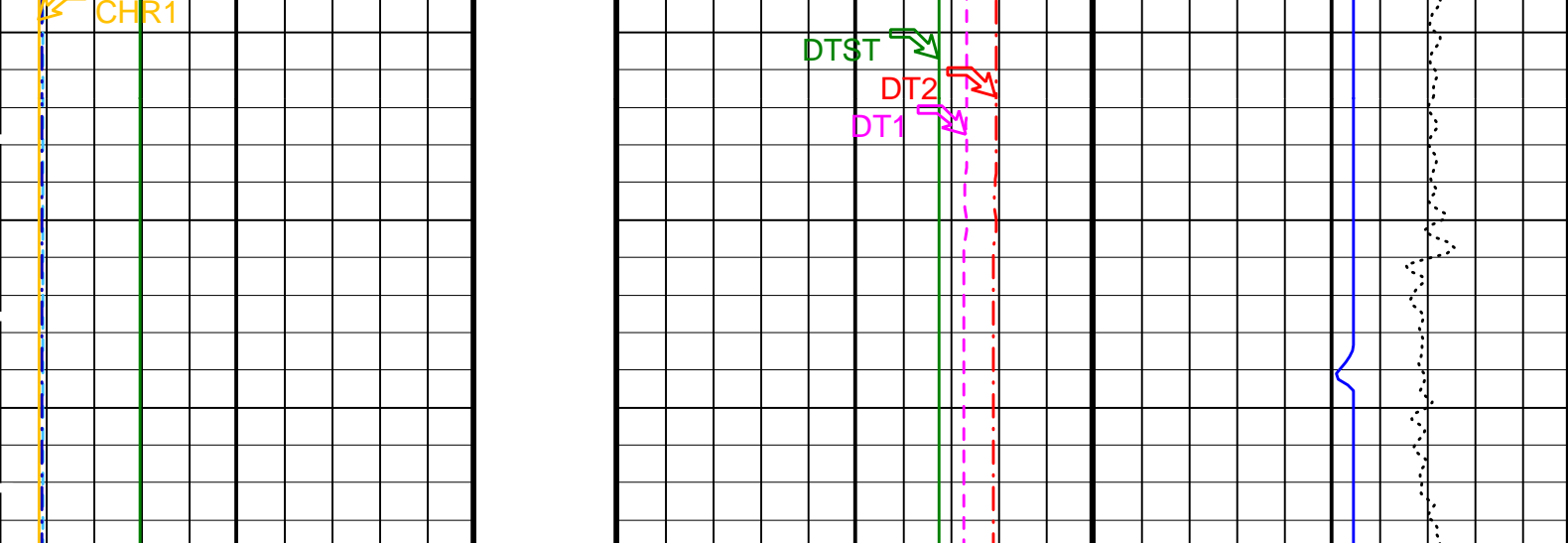
Peak Coherence / RA - P & S Comp  
(CHRP)











Gamma Ray (GR) (GAPI)	0	100	Delta-T Shear - Lower Dipole (DT1) (US/F)	1600	300	Delta-T Comp - P & S (DT4P) (US/F)	250	150
Peak Coherence / RA - Lower Dipole (CHR1)	0	10	Delta-T Shear - Upper Dipole (DT2) (US/F)	1600	300	Tension (TENS) (LBF)	10000	0
Peak Coherence / RA - Upper Dipole (CHR2)	0	10	Delta-T Stoneley (DTST) (US/F)	1600	300			
Peak Coherence / RA - P & S Comp (CHRP)	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	40 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	240 US/F
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	220 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1600 US/F
DTCS	Compressional Delta-T Source for DTCS Channel	PS_COMP
DTF	Delta-T Fluid	189 US/F
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
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
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
SFM1	STC Filter - Lower Dipole	B1-3K
SFM2	STC Filter - Upper Dipole	B.3-1.5K
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	75 US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240 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	220	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	1600	US/F
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
UTXG	Upper Dipole Transmitter Geometry	162	IN
BHS	SGT-N: Scintillation Gamma-Ray - N Borehole Status		OPEN

Format: DSI\_Field\_Print    Vertical Scale: 1:200    Graphics File Created: 15-Oct-2005 00:30

<b>OP System Version: 12C0-301</b>			
MCM			
MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

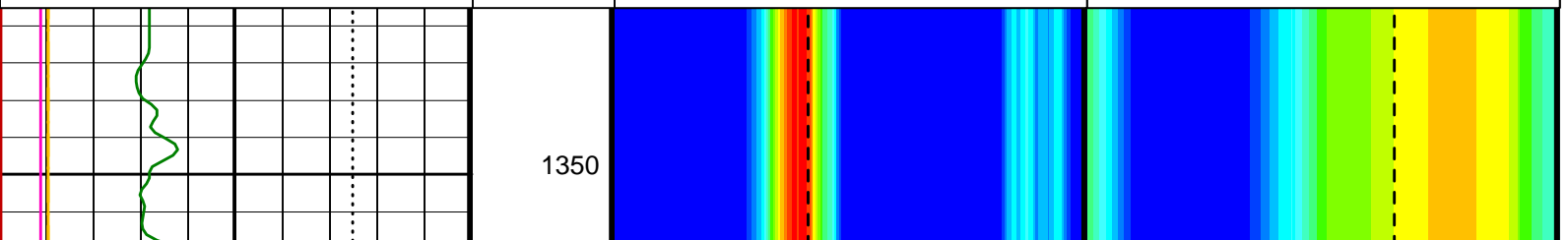
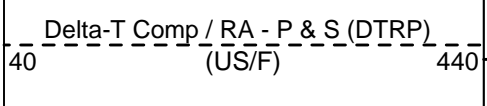
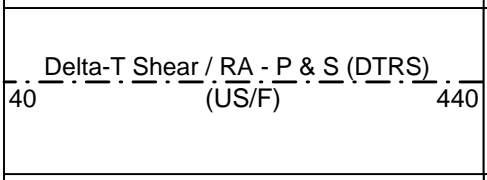
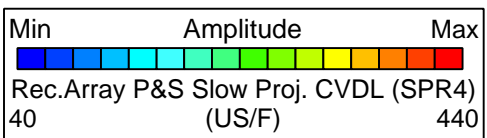
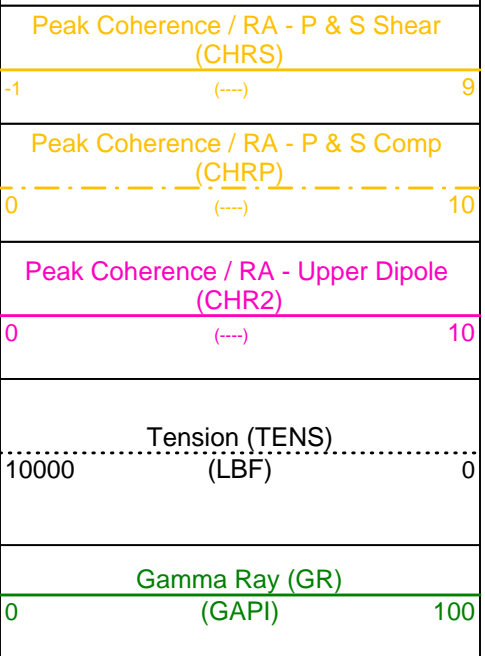
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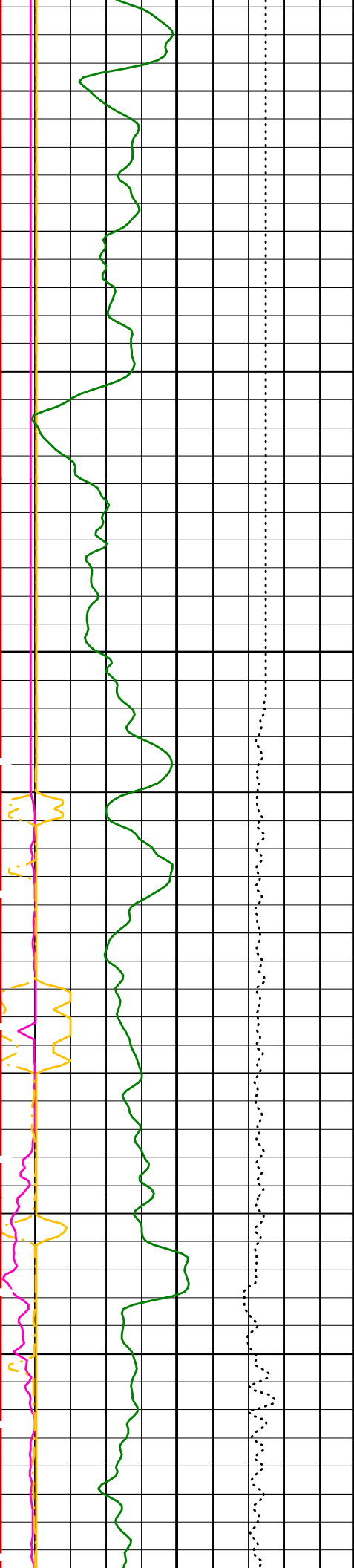
<b>OP System Version: 12C0-301</b>			
MCM			
MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

PIP SUMMARY

Time Mark Every 60 S

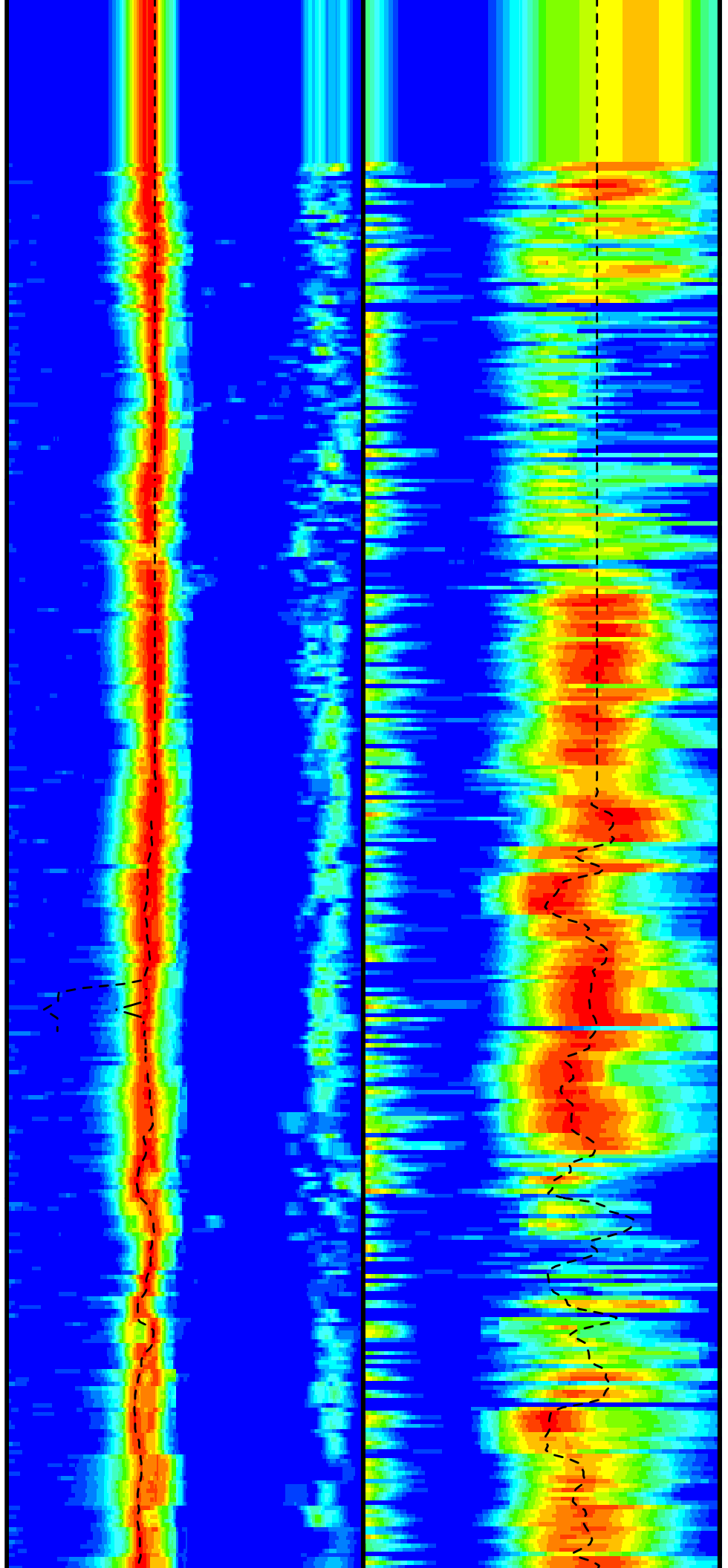


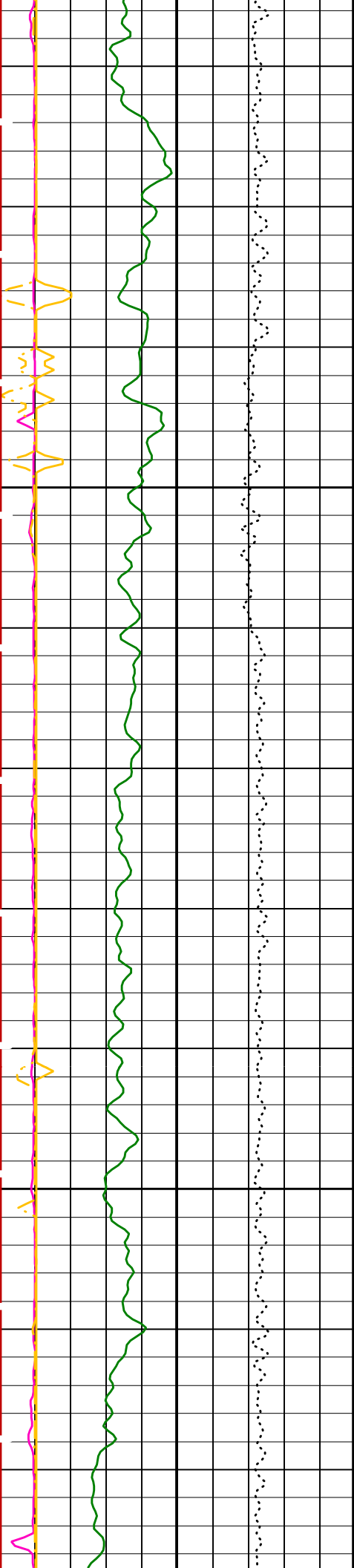




1375

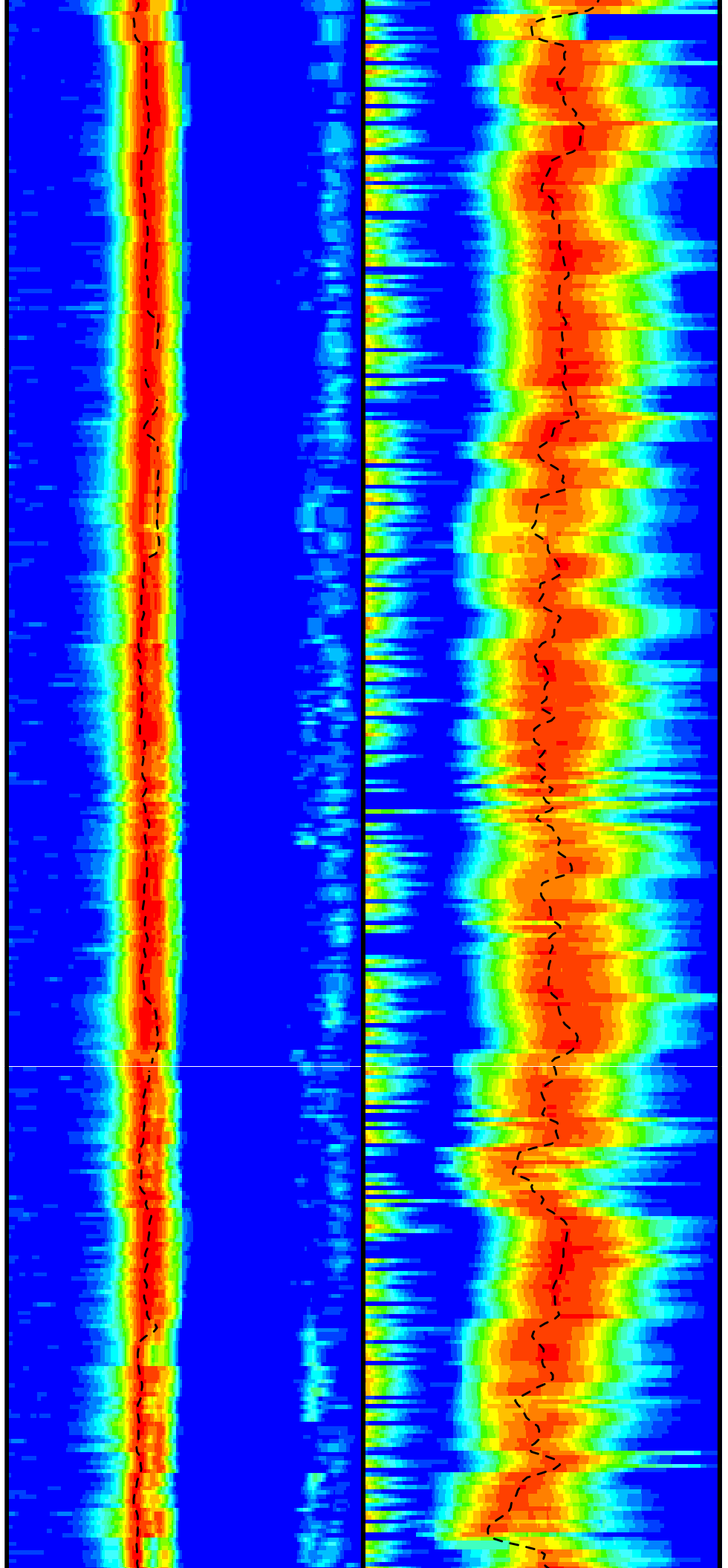
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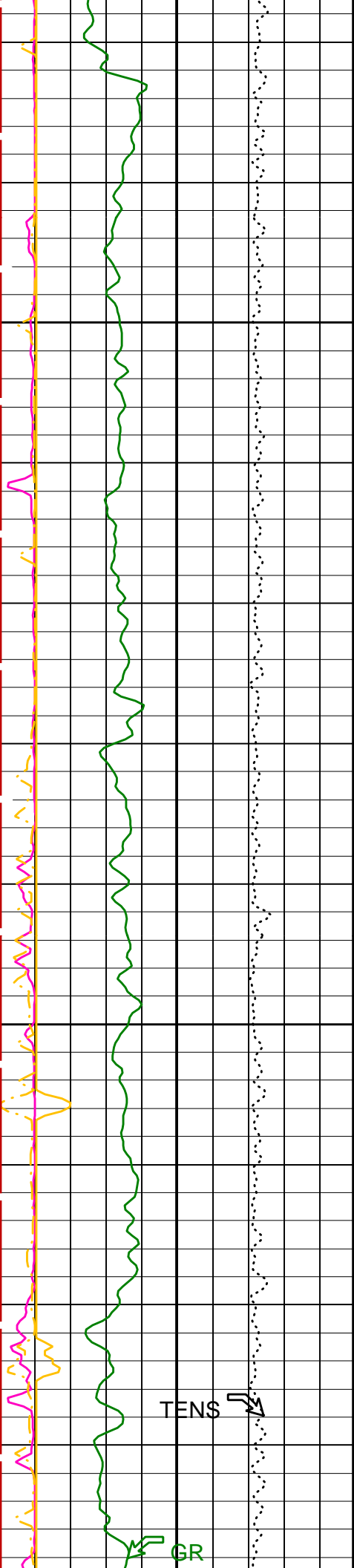




1425

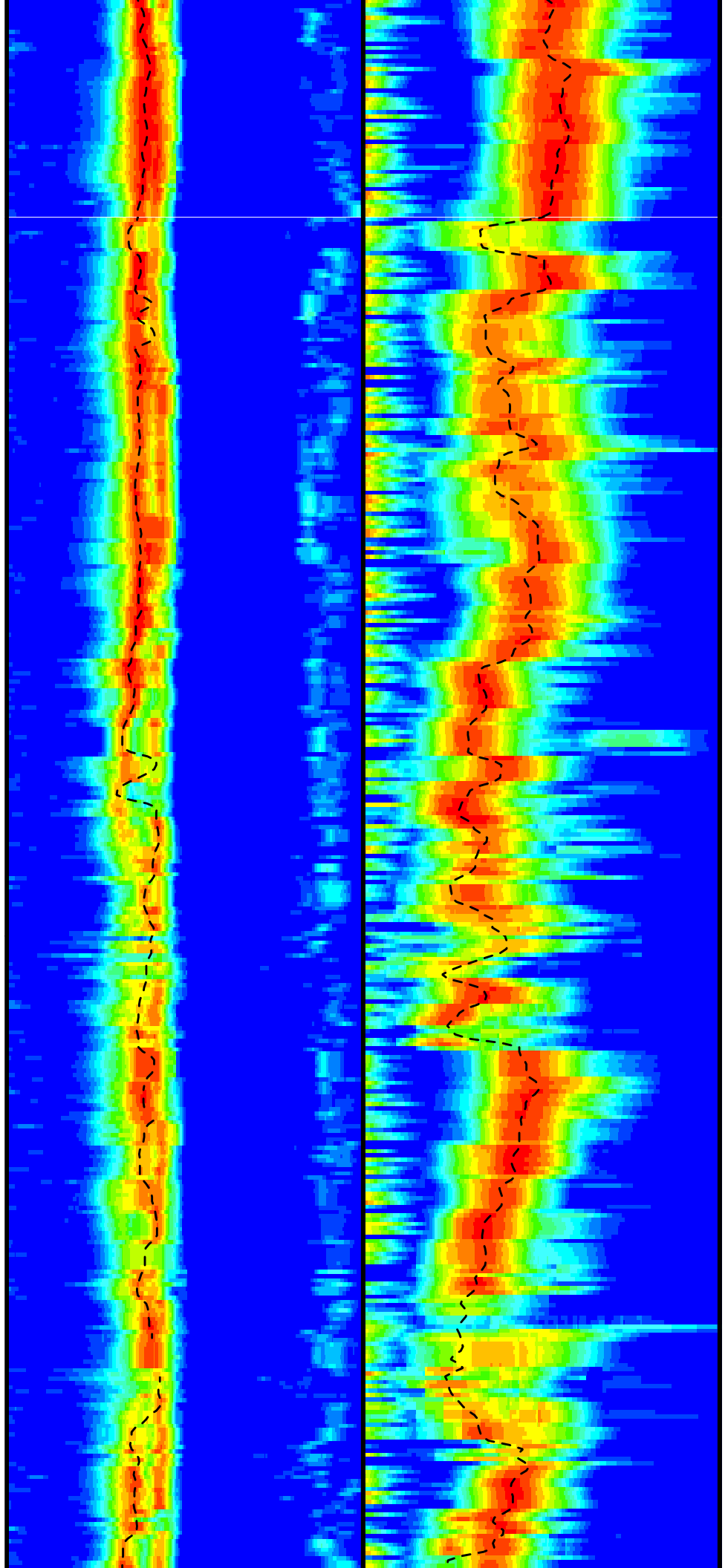
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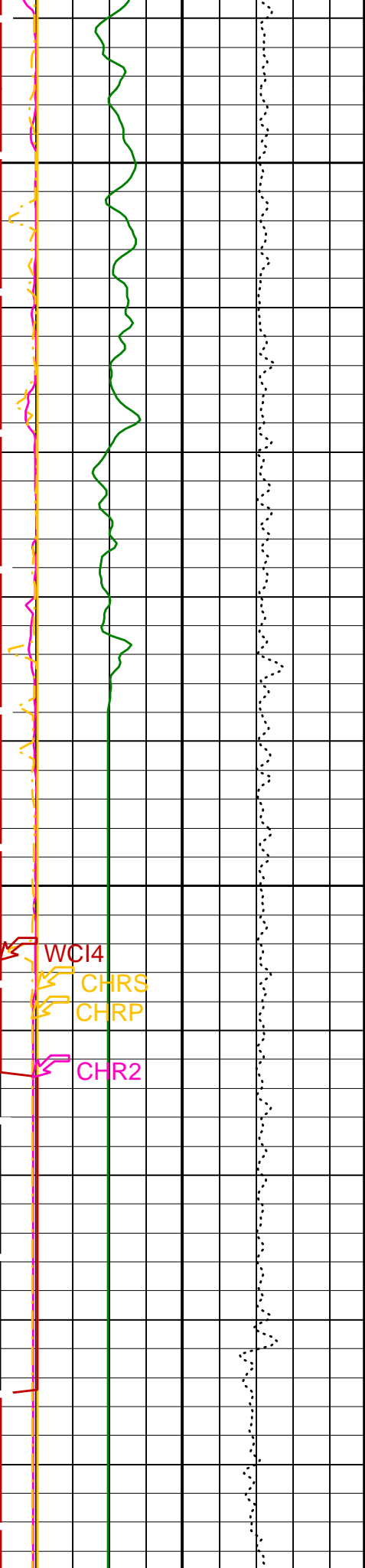




1475

1500



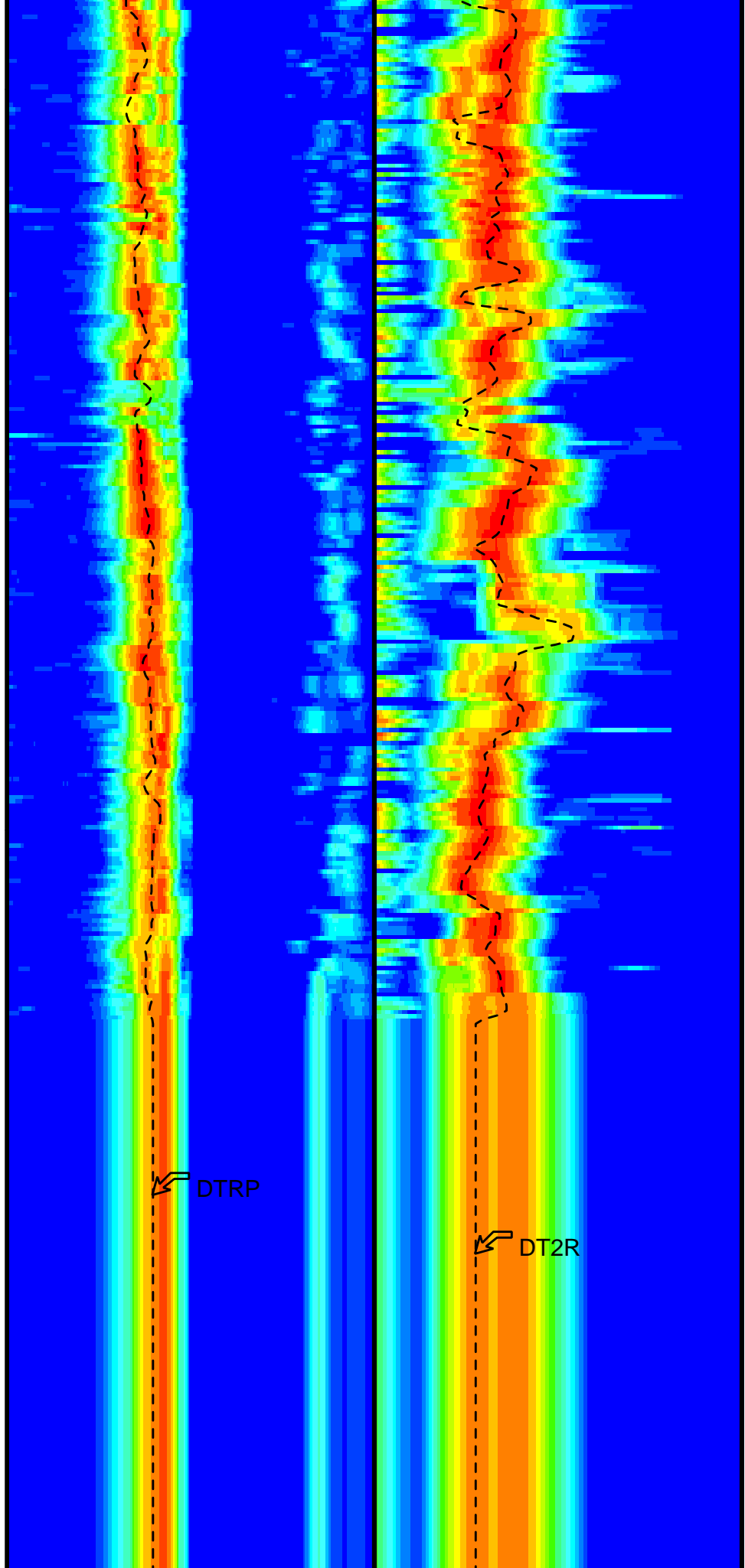


1525

1550

WCI4  
CHRS  
CHRP  
CHR2

Gamma Ray (GR)



DTRP

DT2R

Delta-T Comp / RA - P & S (DTRP)

Delta-T Shear / RA - Upper Dipole (DT2R)

(GAPI)	100	40 (US/F)	440	220 (US/F)	1600
Tension (TENS) (LBF)	0	Delta-T Shear / RA - P & S (DTRS) (US/F)	40	440	220 (US/F)
Peak Coherence / RA - Upper Dipole (CHR2)	0	Min	Amplitude	Max	1600
Peak Coherence / RA - P & S Comp (CHRP)	0	Rec.Array U.Dipole Slow Proj. CVDL (SPR2)	40	440	1600
Peak Coherence / RA - P & S Shear (CHRS)	-1	Min	Amplitude	Max	1600
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)	0	Rec.Array P&S Slow Proj. CVDL (SPR4)	40	440	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	40	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	240	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	220	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1600	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 DTCS 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	LFD_ODD	
SAM4	DSST Sonic Acquisition Mode 4 - High Frequency Monopole Mode for P&S	MFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW2	STC Search Bandwidth - Upper Dipole	8000	US

SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B.3-1.5K	
SFM4	STC Filter - Monopole P&S	B3-12K	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	75	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240	US/F
SLL2	STC Slowness Lower Limit - Upper Dipole	220	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	220	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	1600	US/F
SUL2	STC Slowness Upper Limit - Upper Dipole	1600	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	440	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	1420	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	5110	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM4	Waveform Mode 4	W1	
BHS	SGT-N: Scintillation Gamma-Ray - N Borehole Status		OPEN

Format: DSST\_P\_S\_UPPER\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 15-Oct-2005 00:30

<b>OP System Version: 12C0-301</b>			
MCM			
MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

<b>Output DLIS Files</b>			
DEFAULT	FMS_DSI_015LUP	FN:14    PRODUCER	15-Oct-2005 00:30

<b>Output DLIS Files</b>			
DEFAULT	FMS_DSI_015LUP	FN:14    PRODUCER	15-Oct-2005 00:30    1573.7 M    1345.5 M

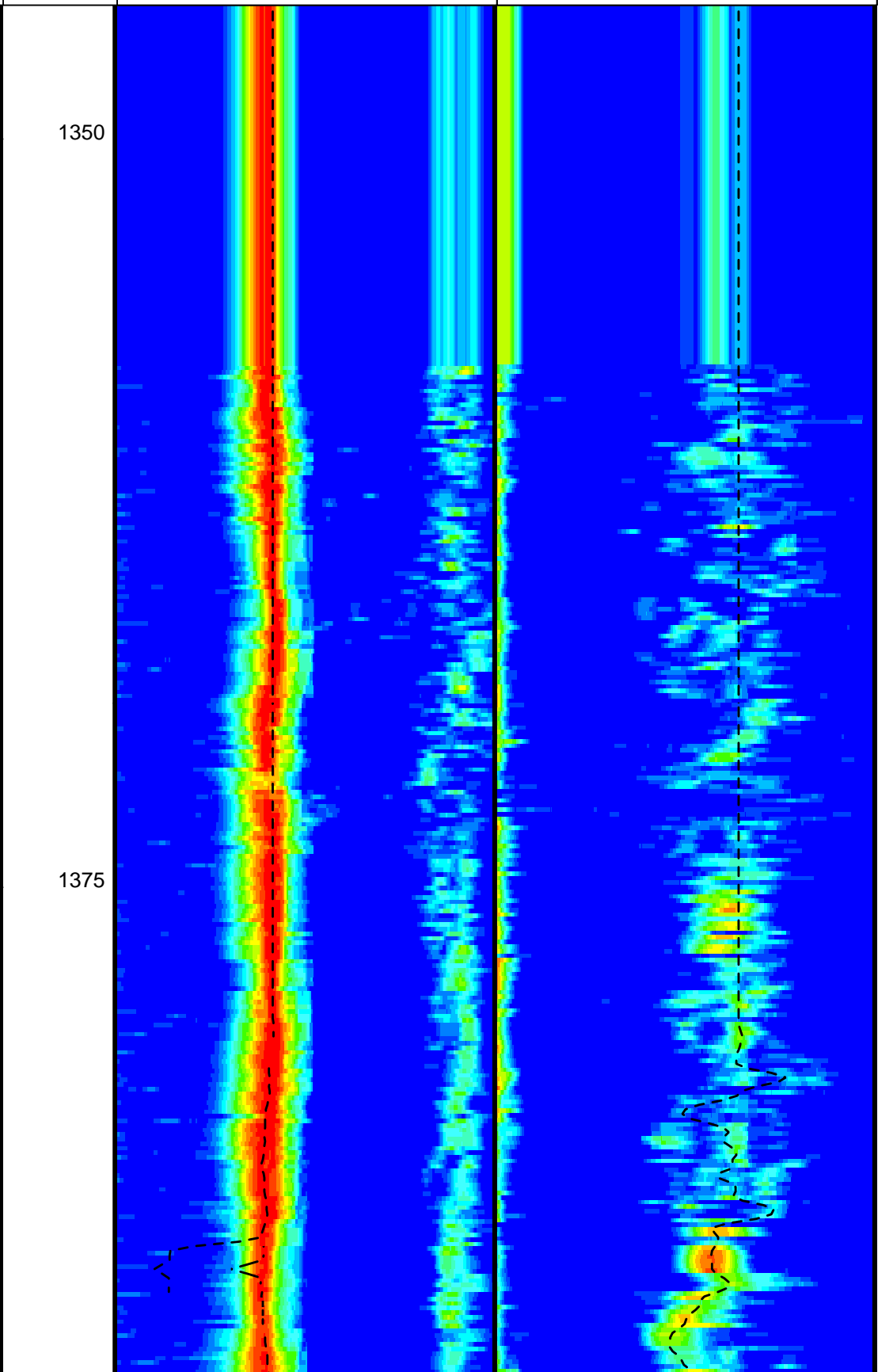
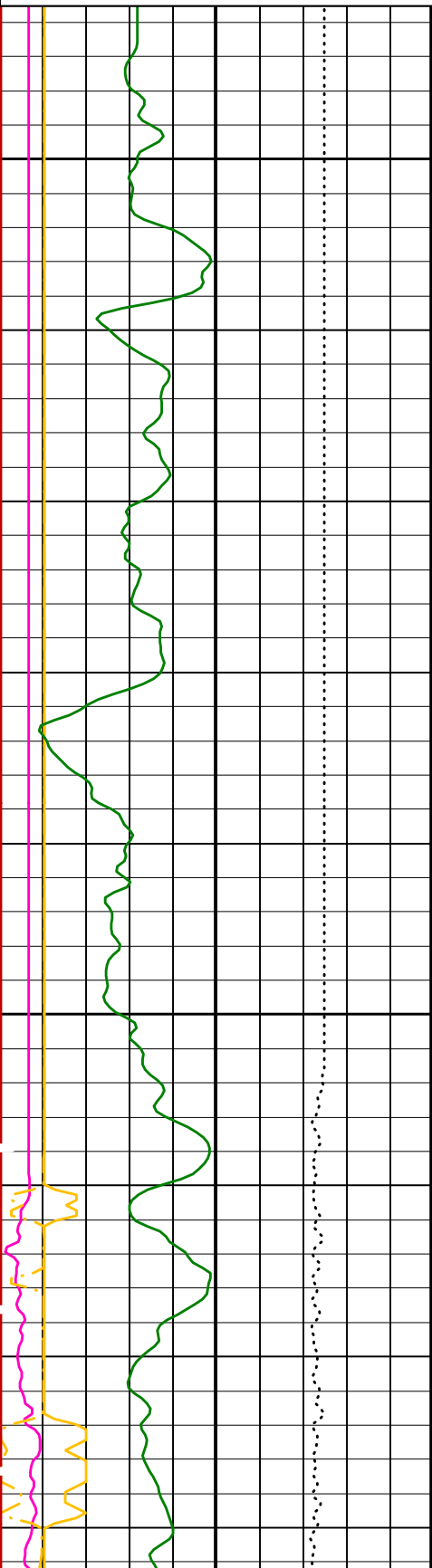
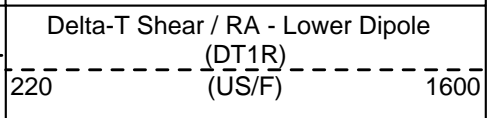
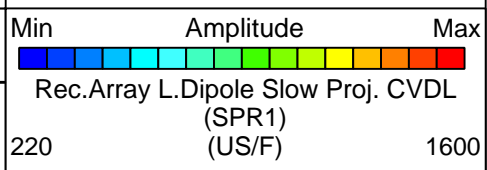
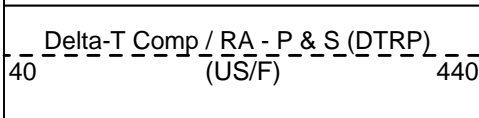
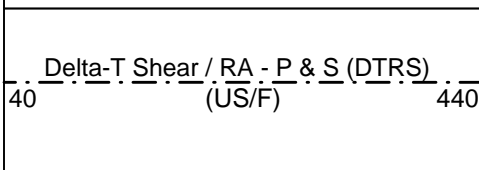
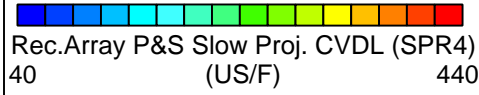
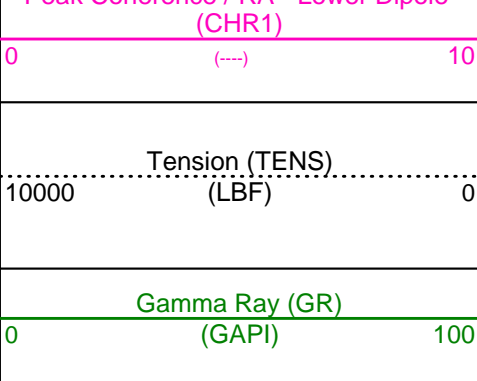
<b>OP System Version: 12C0-301</b>			
MCM			
MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

PIP SUMMARY

Time Mark Every 60 S

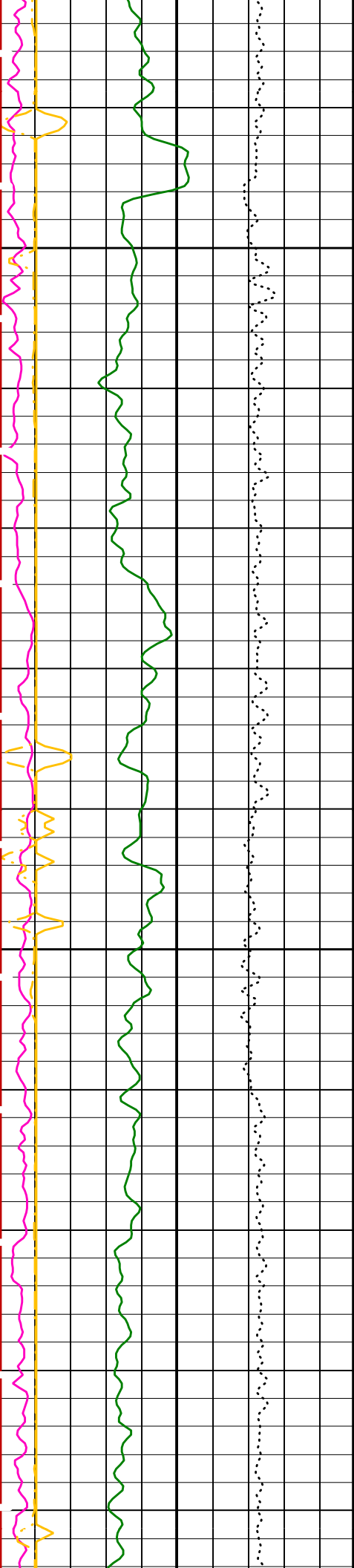
<b>Waveform Data Copy Indicator 4 - Monopole P&amp;S (WCI4)</b>	0	(---)	10
<b>Peak Coherence / RA - P &amp; S Shear (CHRS)</b>	-1	(---)	9
<b>Peak Coherence / RA - P &amp; S Comp (CHRP)</b>	0	(---)	10

Min	Amplitude	Max
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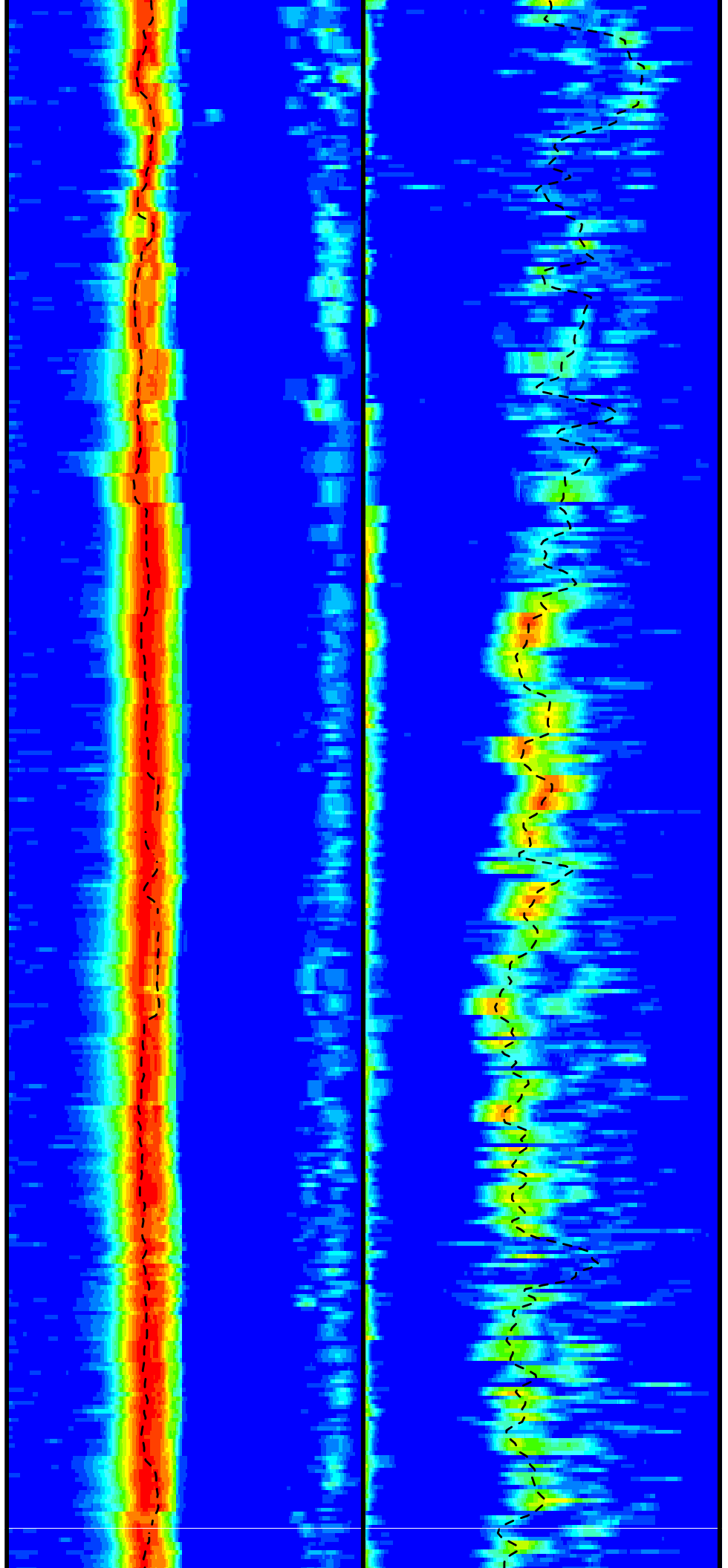
1350

1375

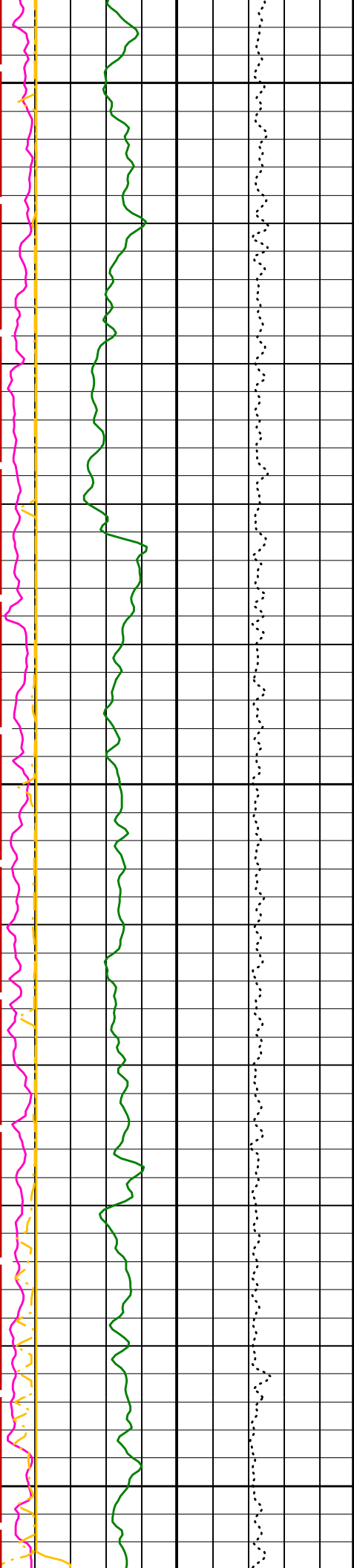


1400

1425



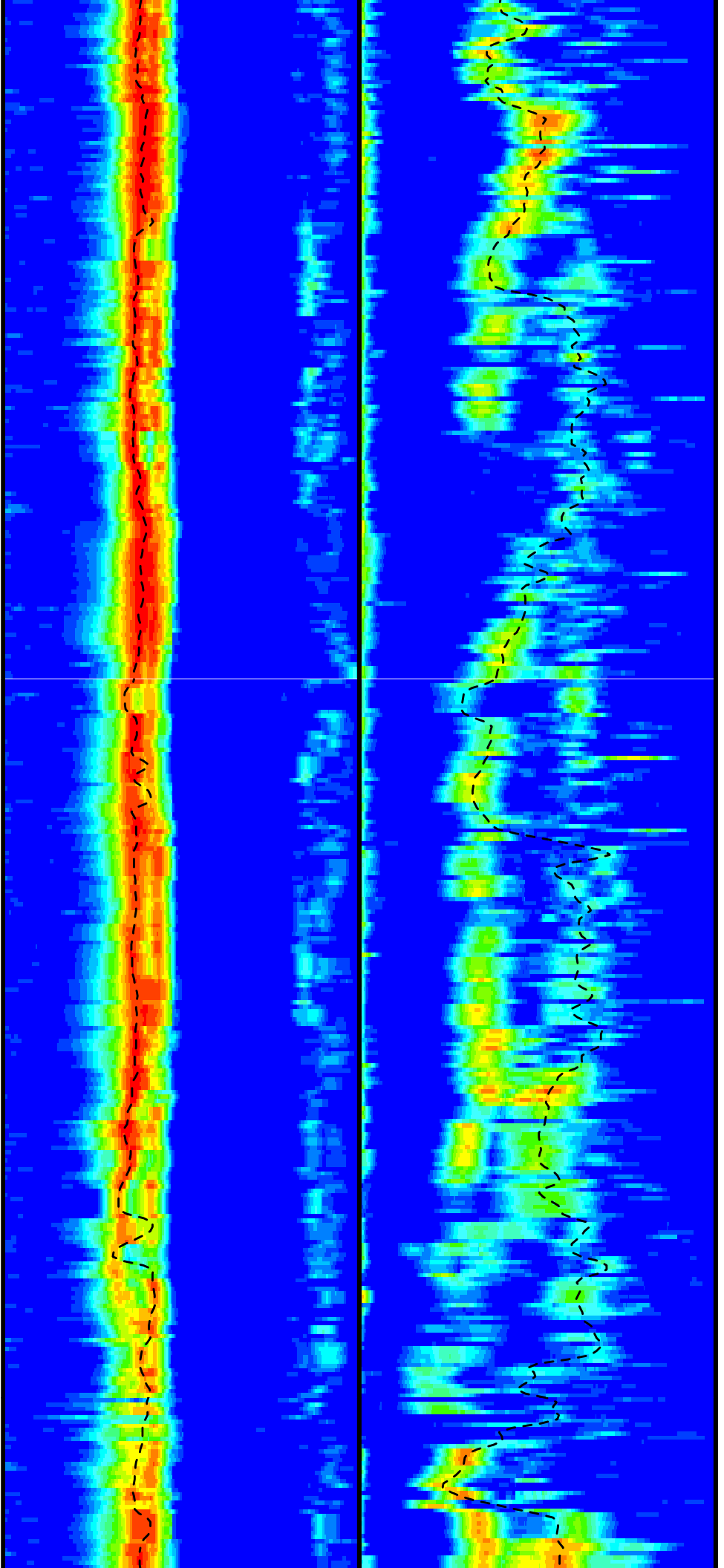


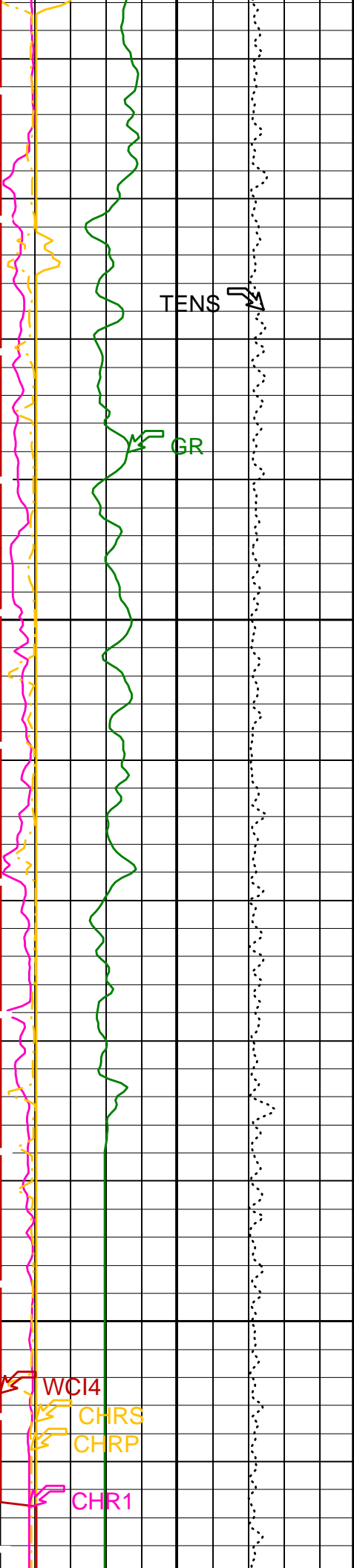


1450

1475

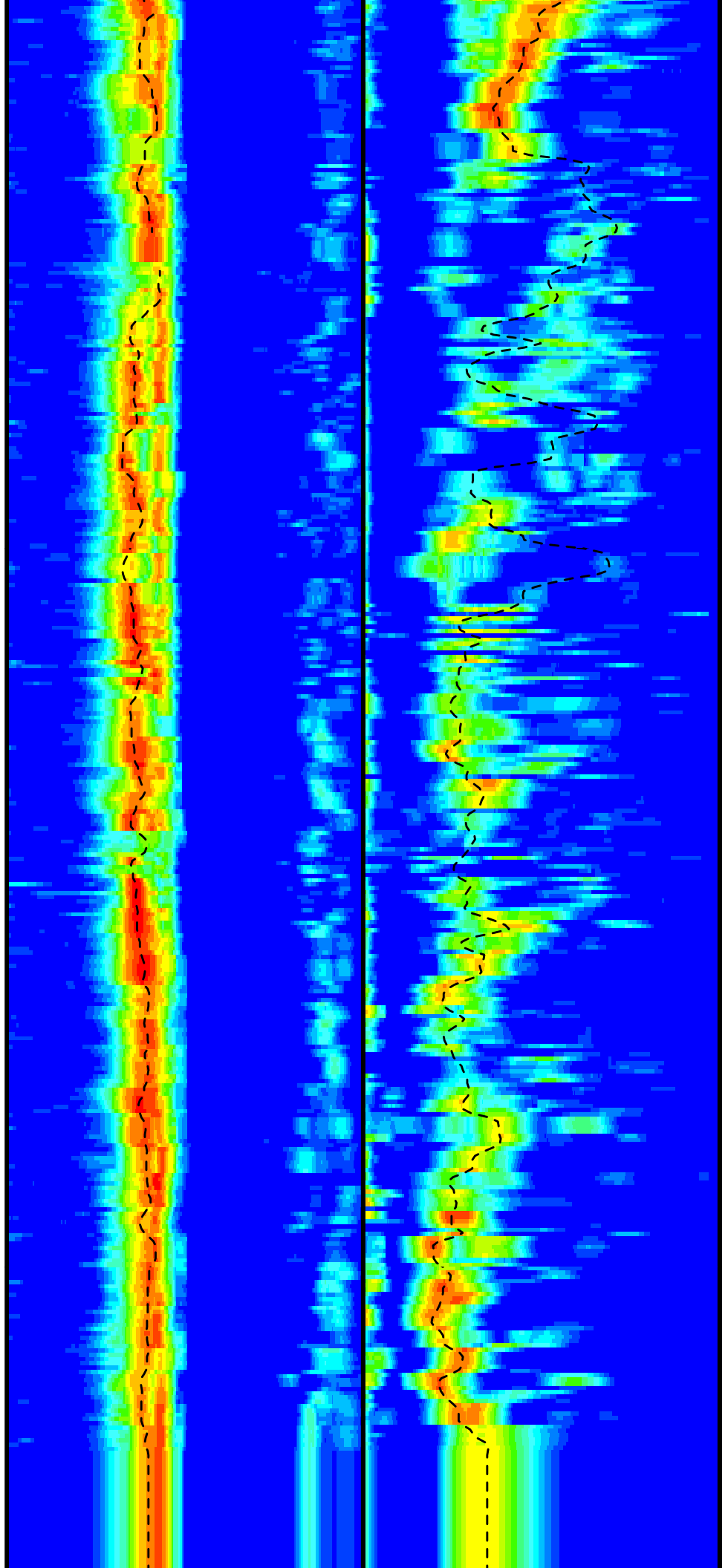
1500

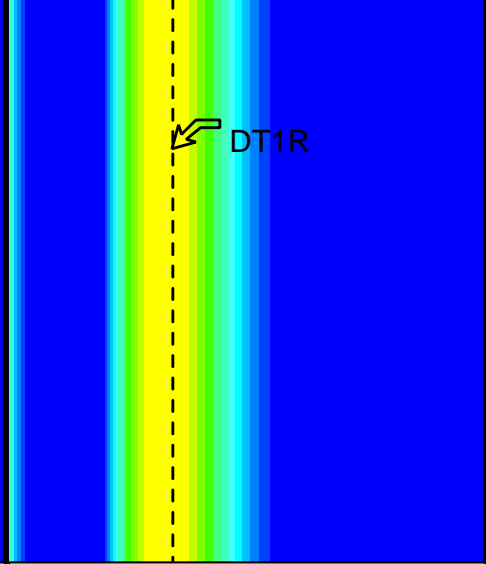
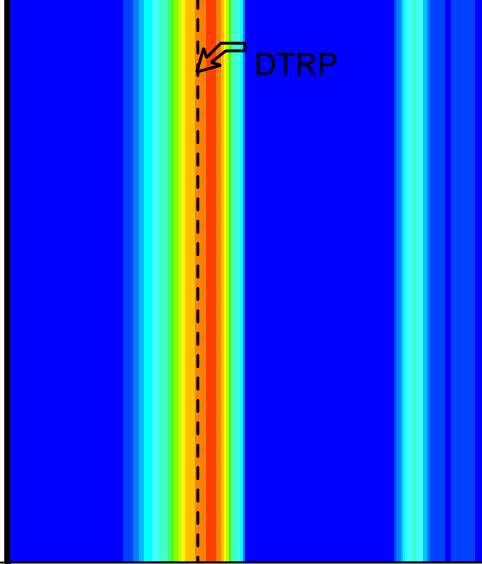




1525

1550





Gamma Ray (GR) (GAPI)		0	100
Tension (TENS) (LBF)		10000	0
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) (US/F)		40	440
Delta-T Shear / RA - P & S (DTRS) (US/F)		40	440
Min	Amplitude	Max	
Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)			
40		440	

Delta-T Shear / RA - Lower Dipole (DT1R) (US/F)		220	1600
Min	Amplitude	Max	
Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)			
220		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	40 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	240 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	220 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	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	EVEN	
SAM4	DSST Sonic Acquisition Mode 4 - High Frequency Monopole Mode for P&S	MFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B1-3K	
SFM4	STC Filter - Monopole P&S	B3-12K	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	75	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240	US/F
SLL1	STC Slowness Lower Limit - Lower Dipole	220	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	220	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	1600	US/F
SUL1	STC Slowness Upper Limit - Lower Dipole	1600	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	440	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	1530	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	5110	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
BHS	SGT-N: Scintillation Gamma-Ray - N Borehole Status	OPEN	

Format: DSST\_P\_S\_LOWER\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 15-Oct-2005 00:30

**OP System Version: 12C0-301**  
MCM

MEST-B	12C0-301	DTA-A	12C0-301
DSST-B	12C0-301	SGT-N	12C0-301
DTC-H	12C0-301		

**Output DLIS Files**

DEFAULT	FMS_DSI_015LUP	FN:14	PRODUCER	15-Oct-2005 00:30
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Company: Lamont Doherty



Well: IODP EXP 311 Site U1328C

Field: CAS-06A

Country: Canada

Ocean: Pacific

Dipole Sonic