



Well: **Expedition 395C, Site U1563B**
Field: **North Atlantic Mantle Convection&Climate**
Rig: **JOIDES Resolution** Ocean: **Atlantic**

Rig:	JOIDES Resolution				
Field:	North Atlantic Mantle Convection				
Location:	Latitude: N 60.1999				
Well:	Expedition 395C, Site U1563B				
Company:	International Ocean Discovery Program				
		Formation Micro Scanner (FMS) Dipole Shear Sonic (DSI) Natural Gamma (HNGS)			
		Latitude: N 60.1999 Longitude: W 27.9999		Elev.: K.B. 0.00 m G.L. -1429.10 m D.F. 0.00 m	
		Permanent Datum: <u>Sea Floor</u> Log Measured From: <u>Rig Floor</u> Drilling Measured From: <u>Rig Floor</u>		Elev.: <u>-1429.10 m</u> 1429.10 m above Perm. Datum	
		API Serial No.		Max. Hole Devi. 2 deg	Longitude W 27.9999
					Latitude N 60.19991

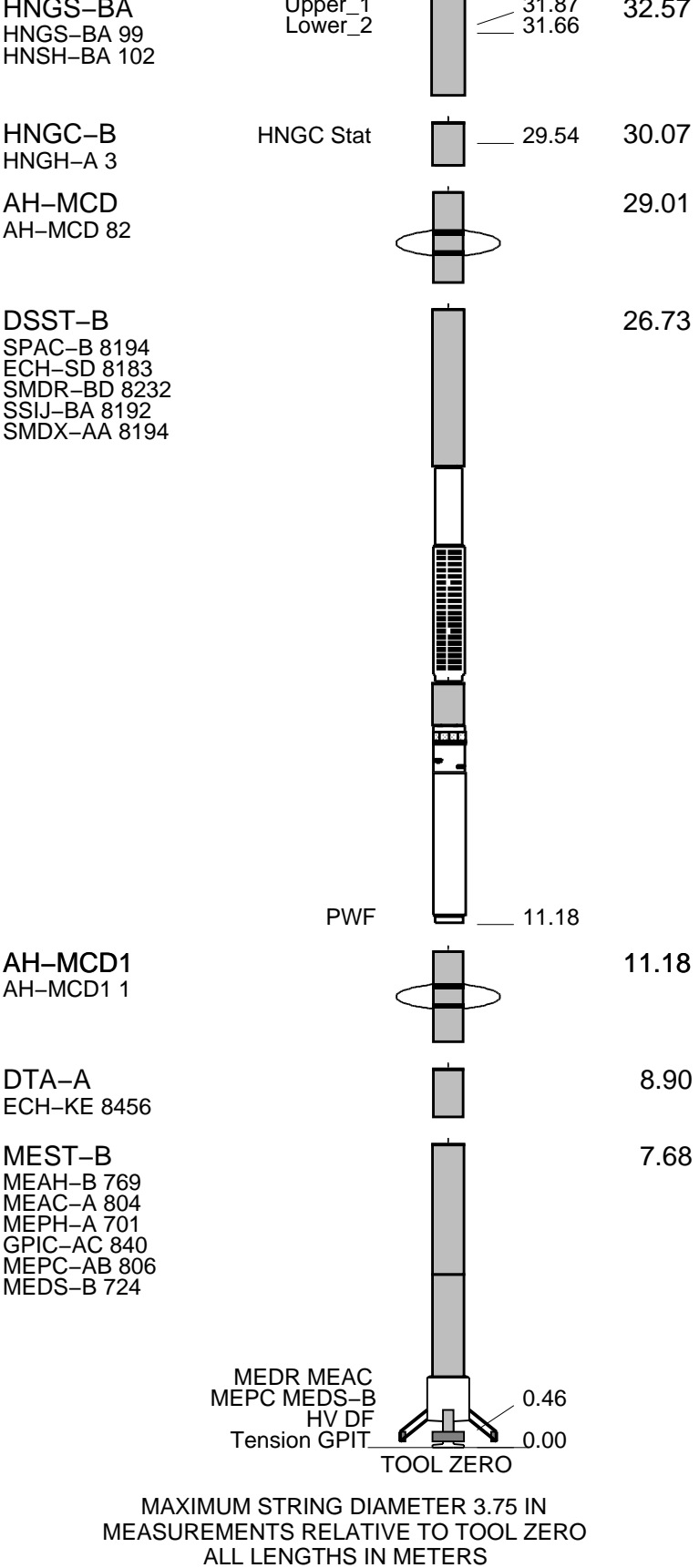
Logging Date		29-Jul-2021			
Run Number		1			
Depth Driller		1744 m			
Schlumberger Depth		1741 m			
Bottom Log Interval		1741 m			
Top Log Interval		1428 m			
Casing Driller Size @ Depth		5.500 in @ 1516.8 m		@	
Casing Schlumberger		1514 m			
Bit Size		9.875 in			
Type Fluid In Hole		Sea Water			
MUD	Density	Viscosity	1.023 g/cm3		
	Fluid Loss	PH		8.07	
	Source Of Sample		Mudpit		
	RM @ Measured Temperature		0.220 ohm.m @ 23 degC		@
	RMF @ Measured Temperature		@		@
RMC @ Measured Temperature		@		@	
Source RMF	RMC	N/A	N/A		
RM @ MRT	RMF @ MRT	0.333 @ 8	@ 8	@	@
Maximum Recorded Temperatures		8 degC			
Circulation Stopped		Time	28-Jul-2021	21:00	
Logger On Bottom		Time	29-Jul-2021	6:30	
Unit Number	Location	627314	Larose, LA		
Recorded By		K. Swain			
Witnessed By		Z. Mateo			

[illegible]

DISCLAIMER

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

EQUIPMENT DESCRIPTION	
RUN 1	RUN 2



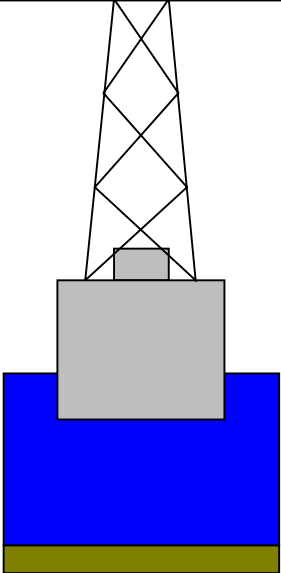
Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	OD	ID

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

0
0

11



4.1

1429.1 4.1
1516.8 9.875

1744

Sea Floor
Open Hole

Total Depth

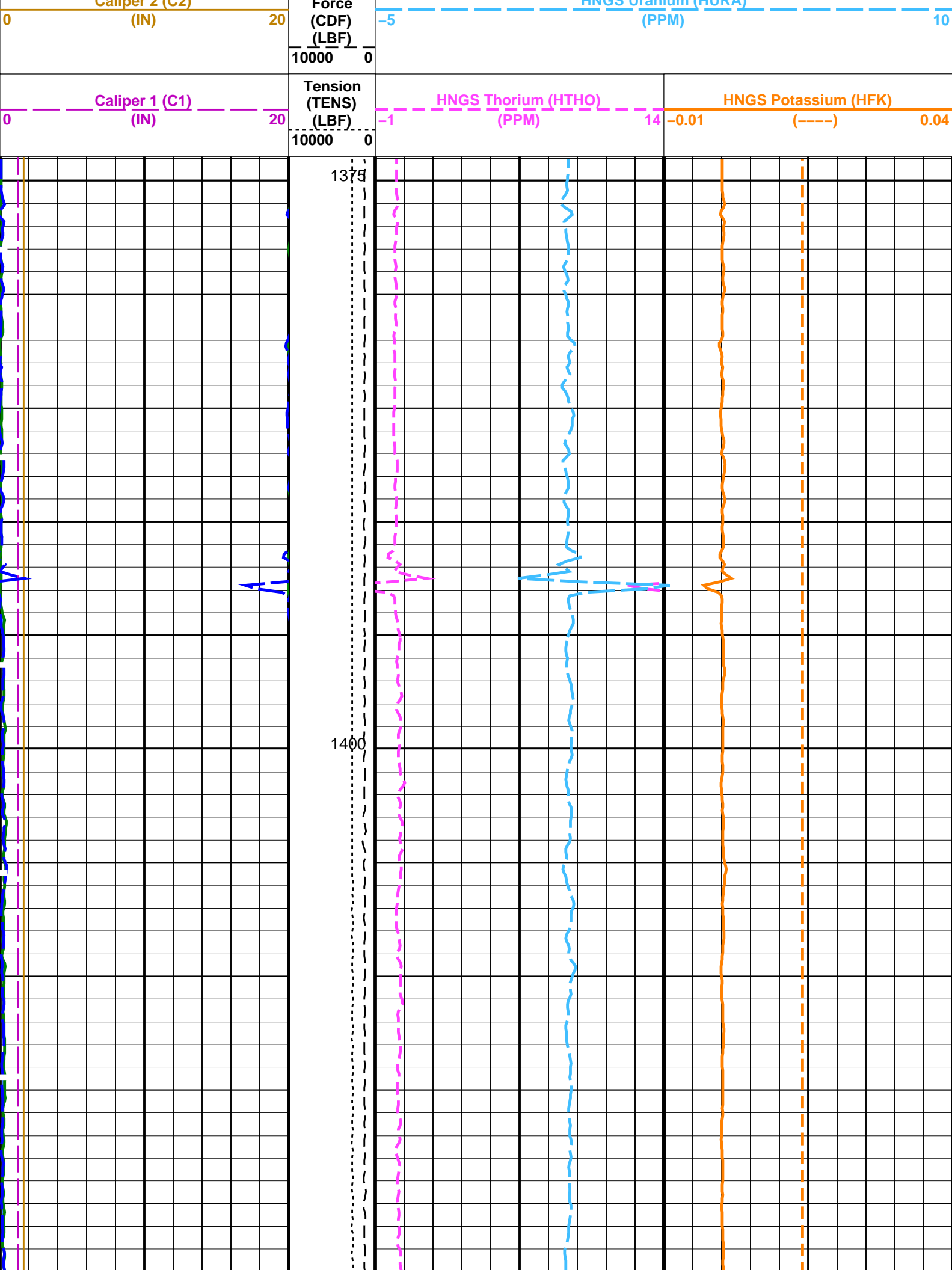


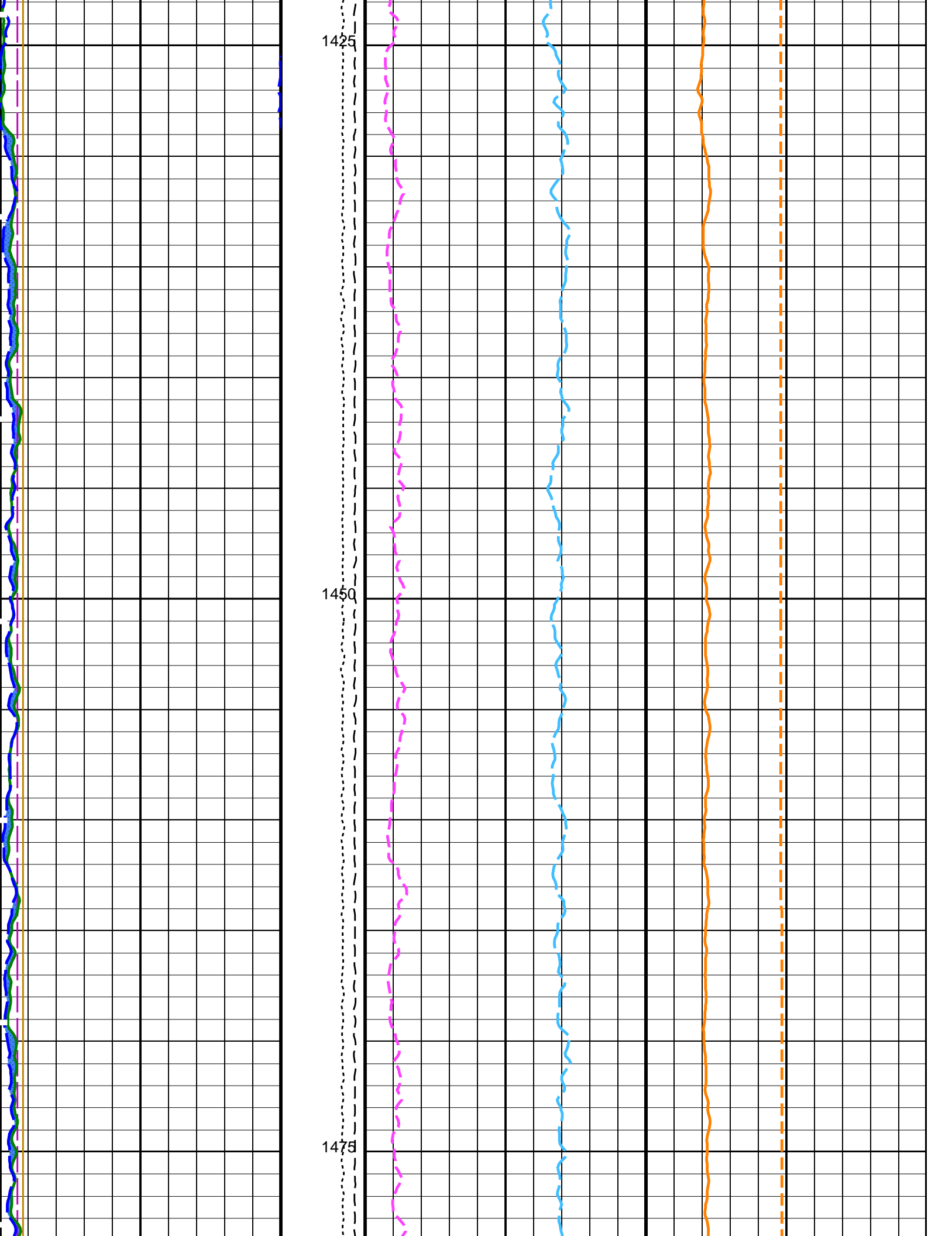
Input DLIS Files					
DEFAULT	Flip_FMS_DSI_NGS_071LUP	PRODUCER	30-Jul-2021 22:24	1705.4 M	1373.9 M
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_072PUP	FN:67	PRODUCER	30-Jul-2021 22:28	1706.0 M

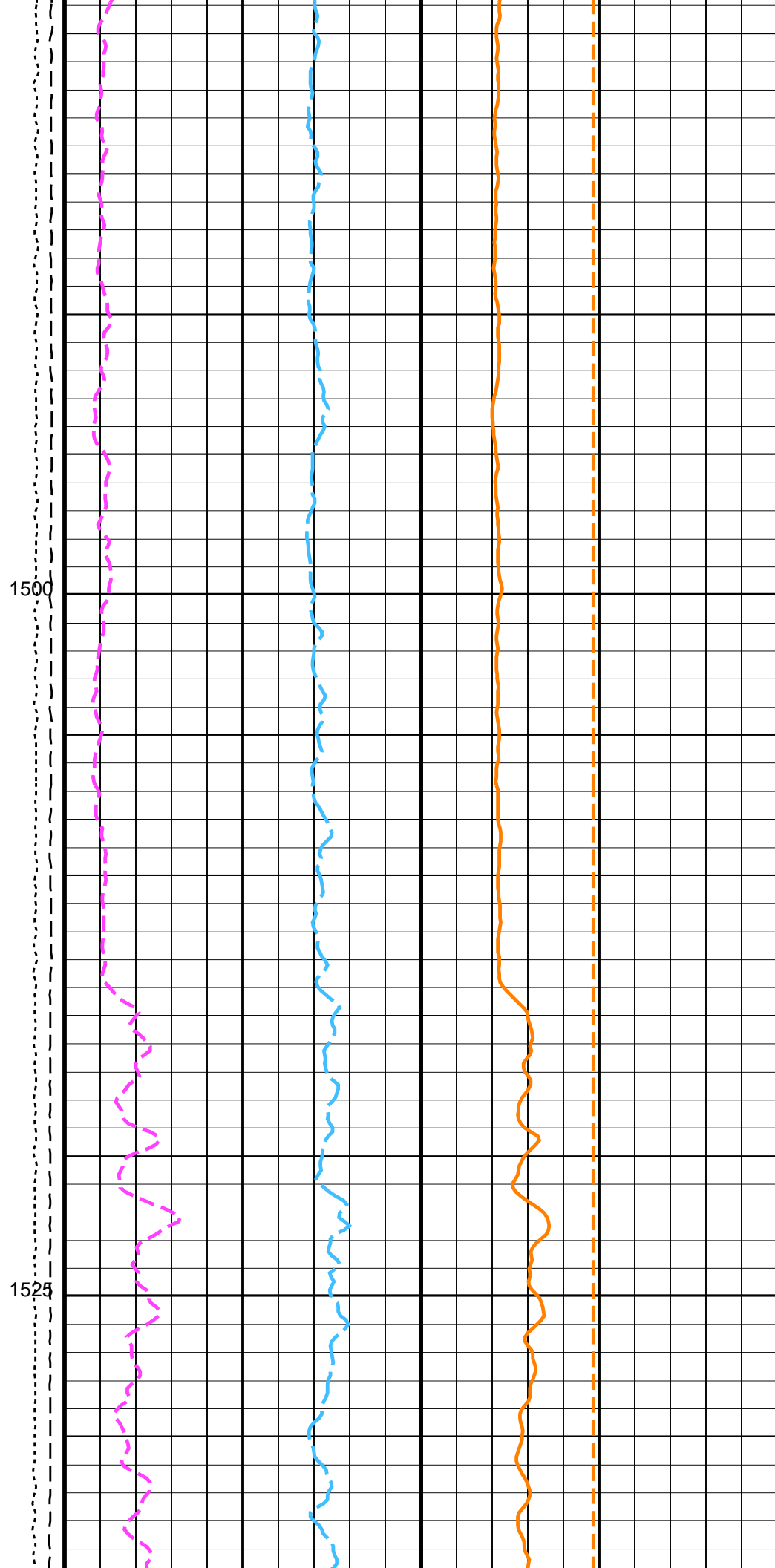
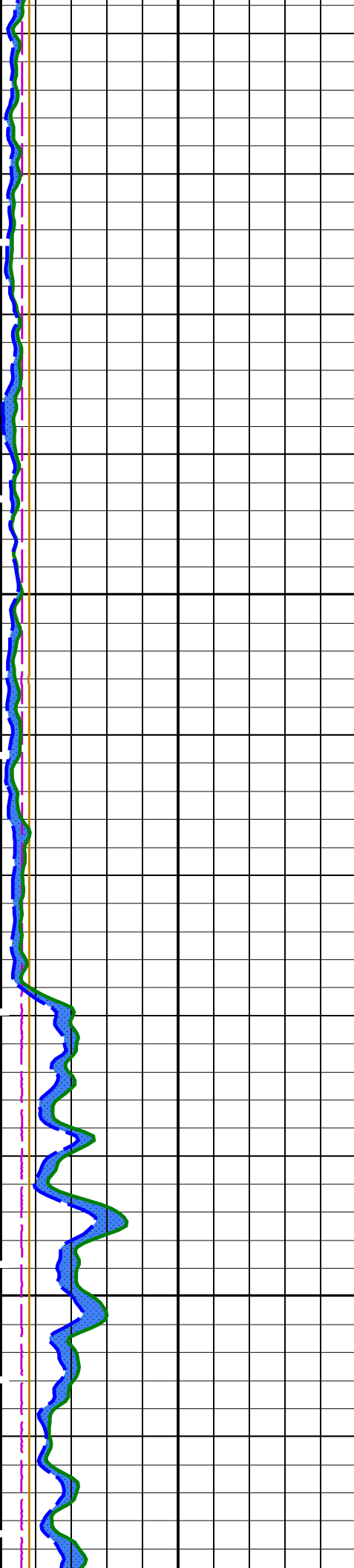
OP System Version: 19C0-187					
MEST-B	19C0-187	DTA-A	19C0-187		
DSST-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	DTC-H	19C0-187		

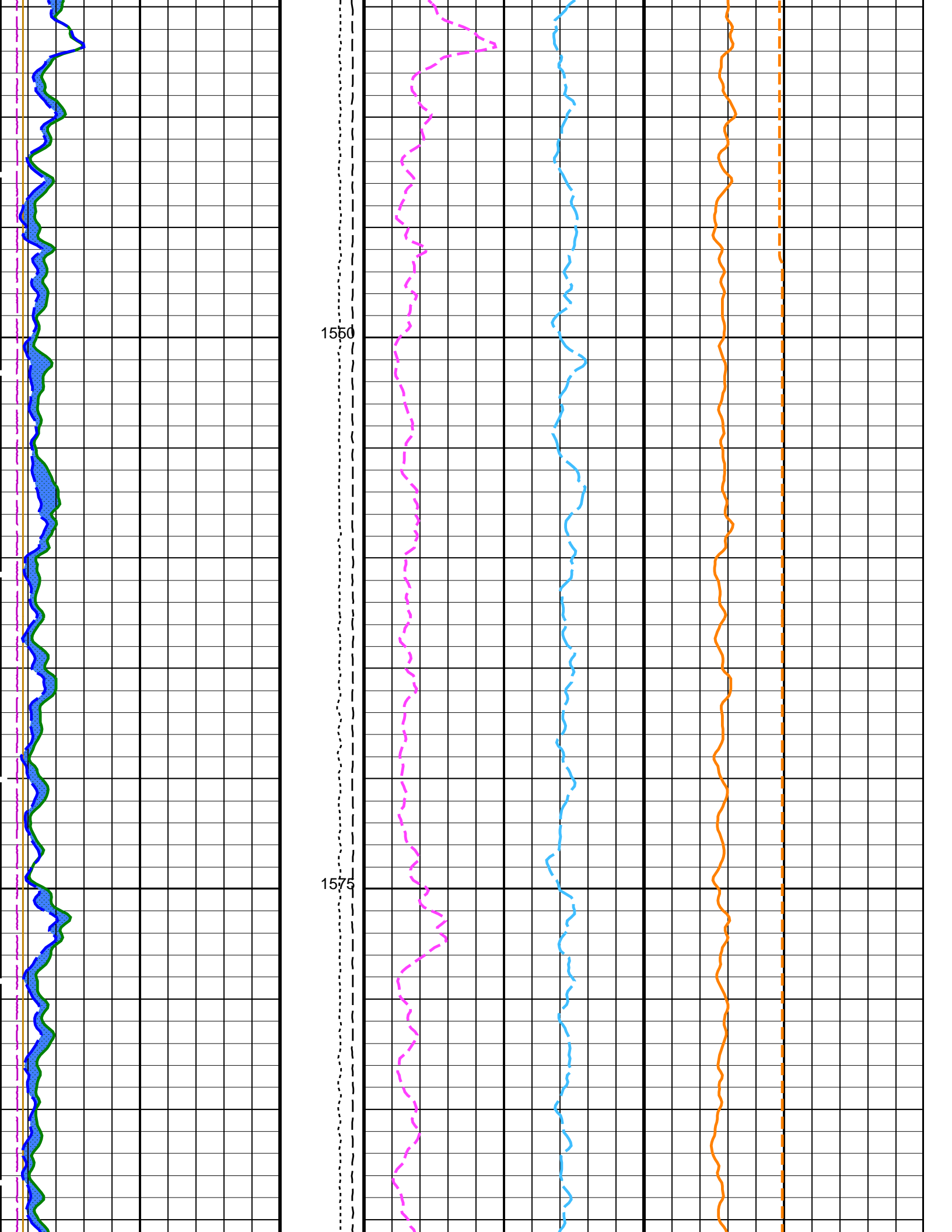
PIP SUMMARY					
<div>Time Mark Every 60 S</div>					
<div>HNGS Spectroscopy Gamma Ray (HSGR)</div>					
<div>0 (GAPI) 100</div>					
<div>Area1 From HCGR to HSGR</div>					
<div>HNGS Computed Gamma Ray (HCGR)</div>		<div>Download</div>		<div>HNGS Borehole Potassium (HBHK)</div>	
<div>0 (GAPI) 100</div>				<div>-0.05 (----) 0.05</div>	

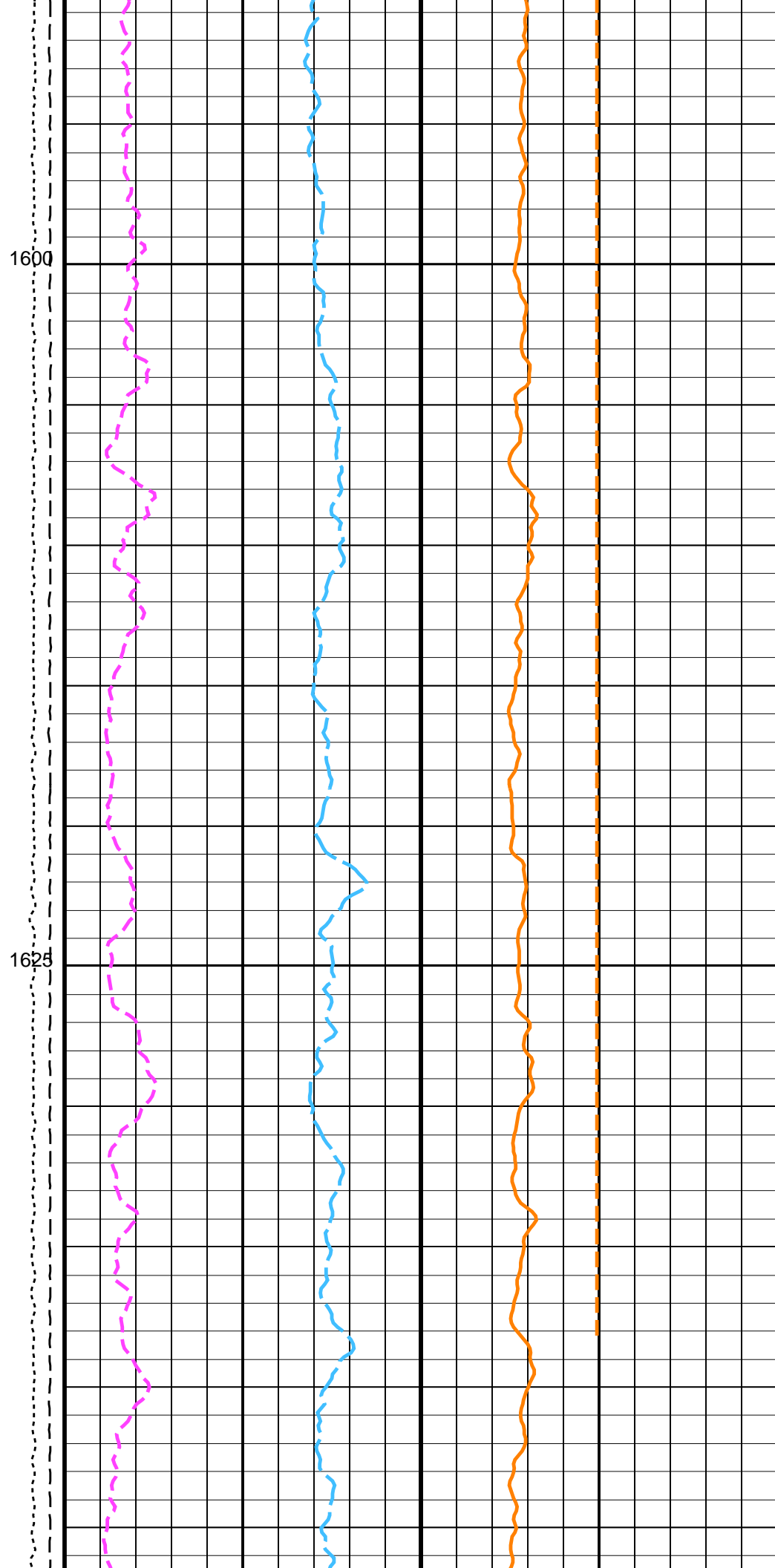
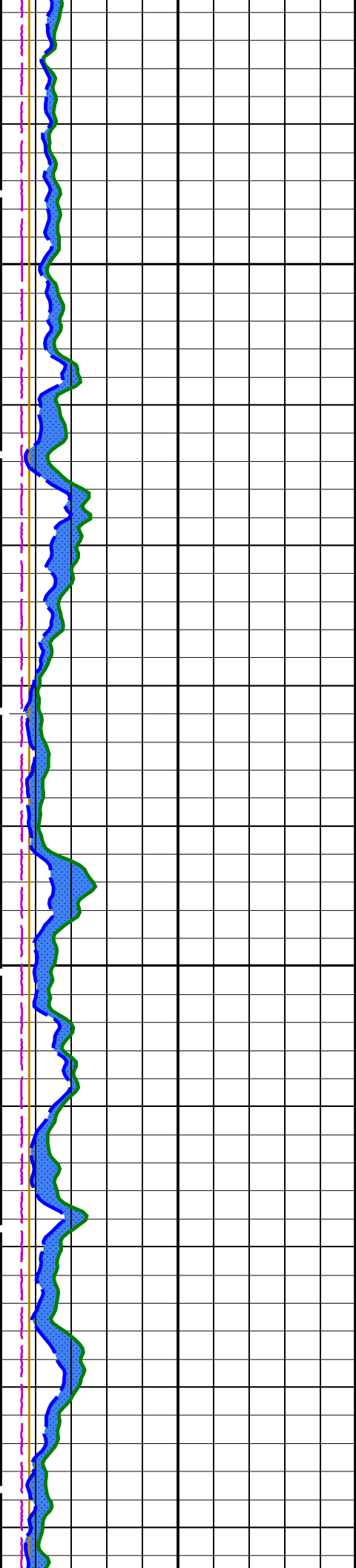
Caliper 2 (C2)	Calibrated Downhole	HNGS Uranium (HURA)
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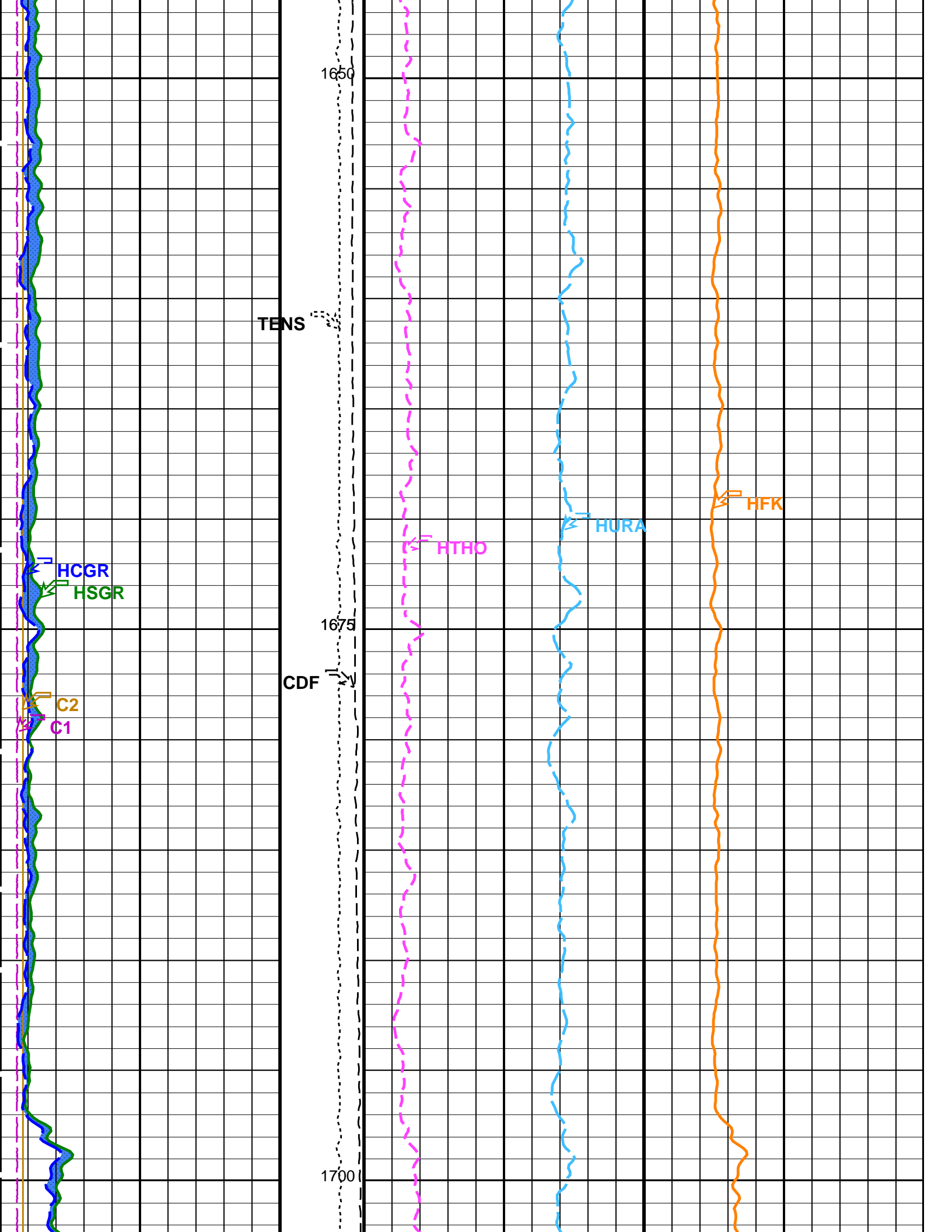


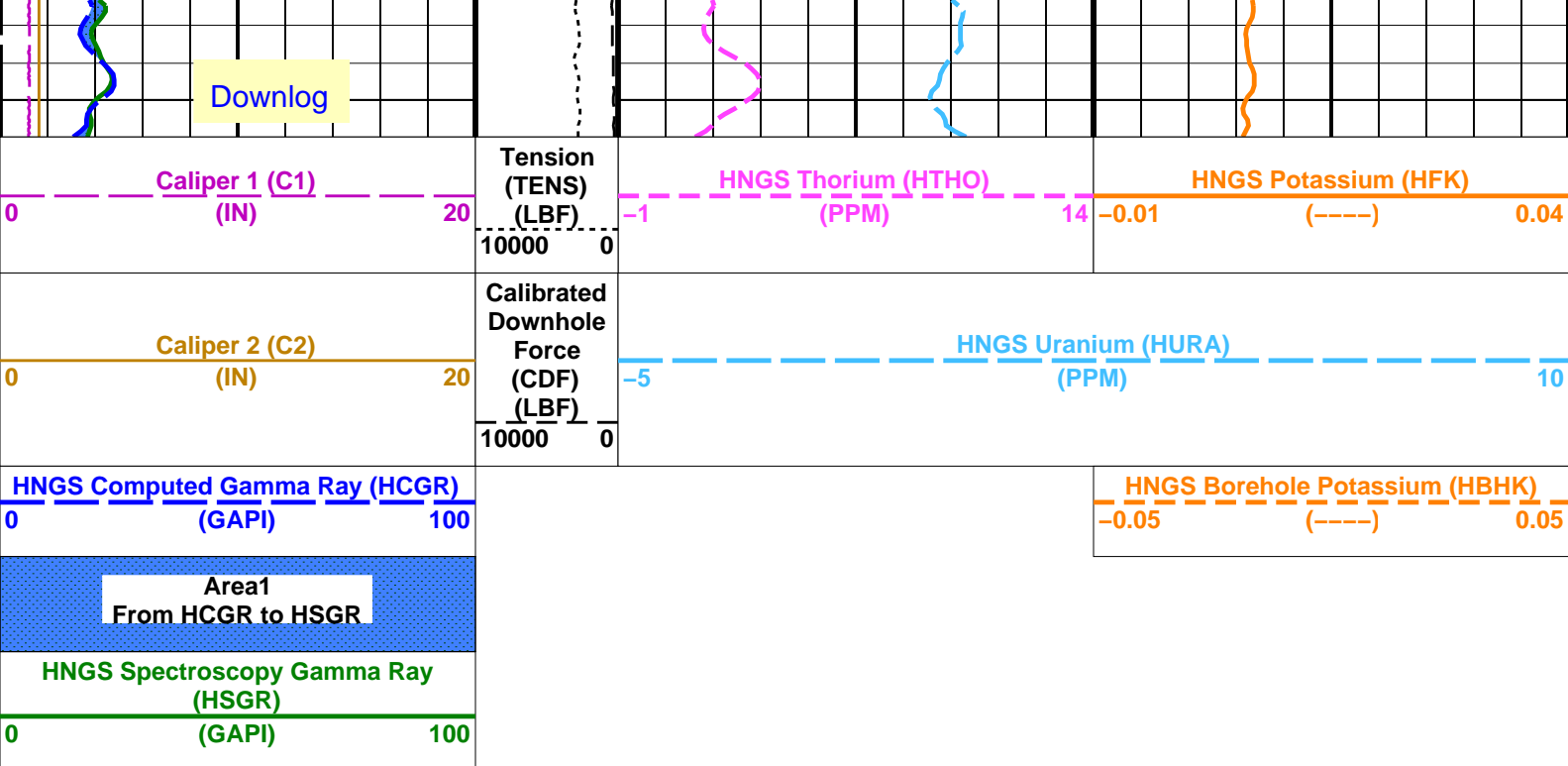












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0135967	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.00418	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.04768	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 30-Jul-2021 22:28

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	DTC-H	19C0-187

Input DLIS Files

Output DLIS Files

Input DLIS Files

Output DLIS Files

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	DTC-H	19C0-187

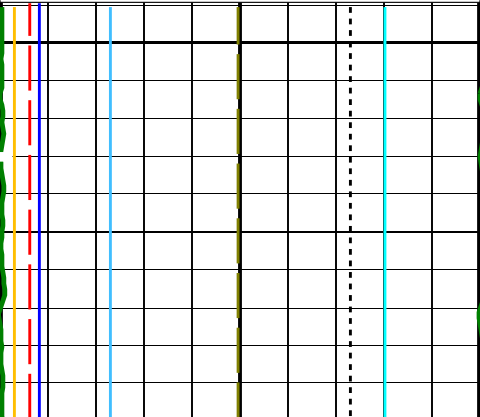
PIP SUMMARY

Time Mark Every 60 S

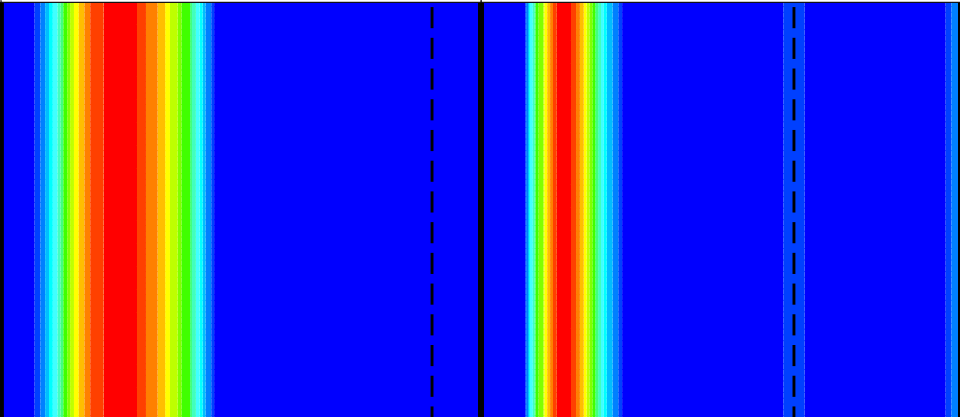
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - Upper Dipole (CHT2)		
-2	(----	8
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(-----)	10
Tension (TENS) (LBF)		
10000		0
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Caliper 2 (C2) (IN)		
0		20
Caliper 1 (C1) (IN)		
0		20
Bit Size (BS) (IN)		
0		20

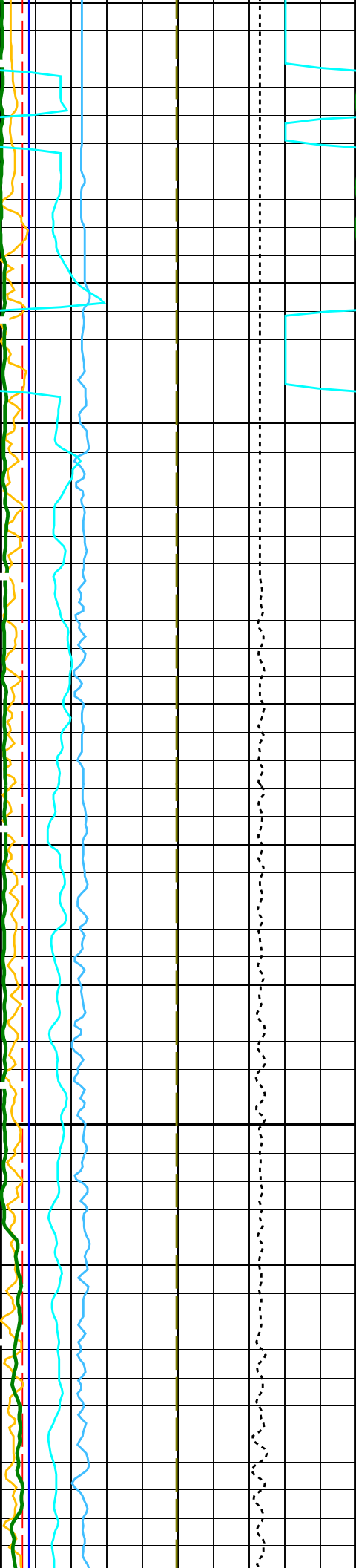
Flipped Downlog

Min	Amplitude	Max	Min	Amplitude	Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)			Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)		
40		1400	40		1400
Delta-T Shear / RA - Lower Dipole (DT1R) (US/F)			Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)		
40		1400	40		1400



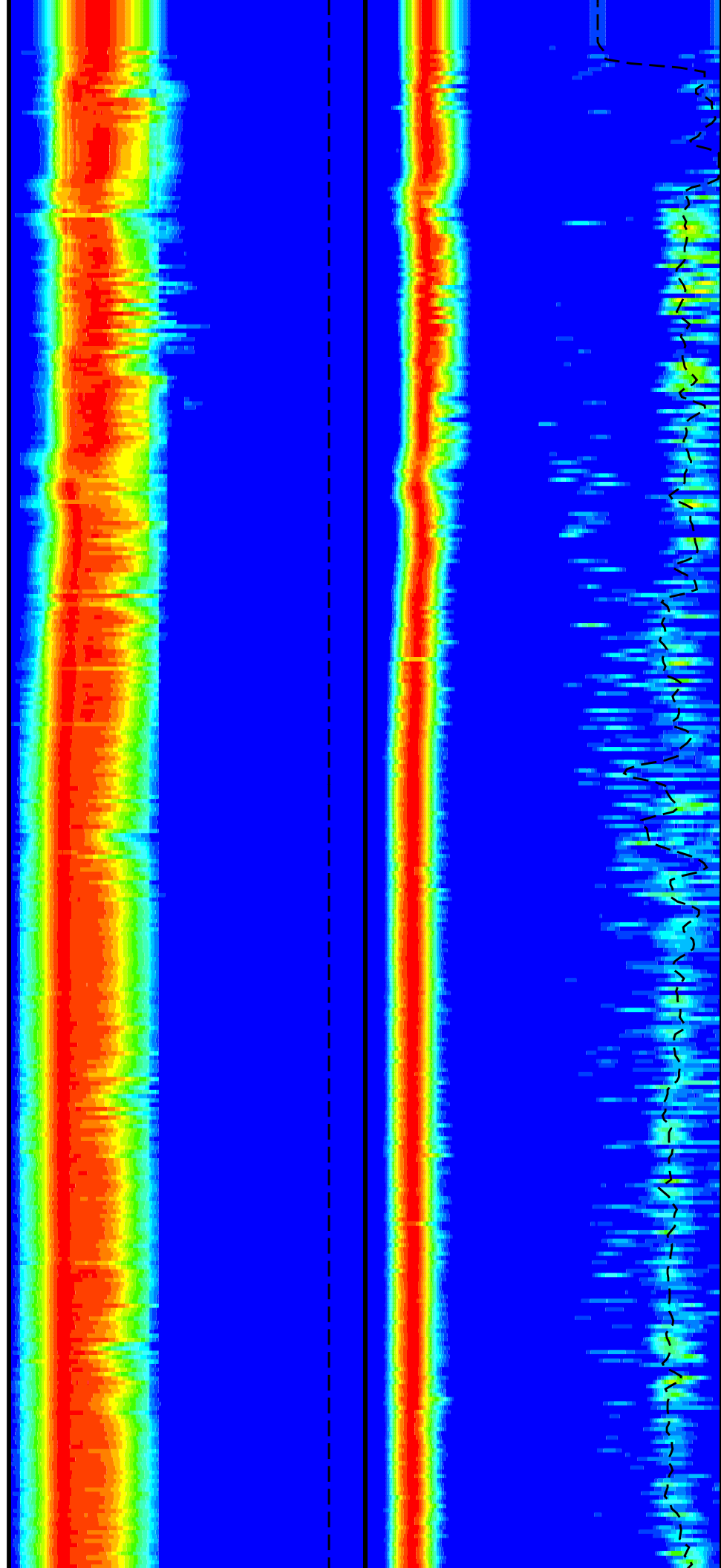
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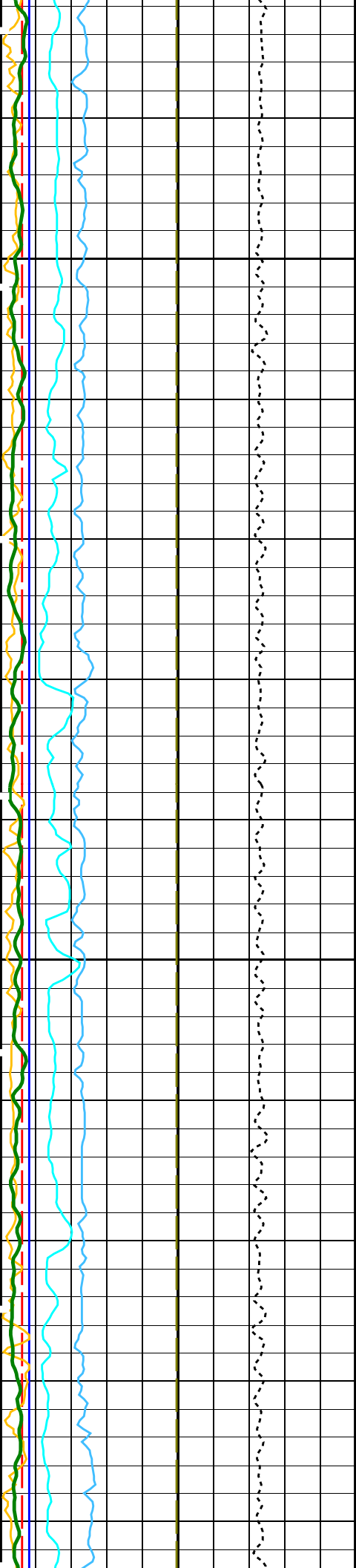




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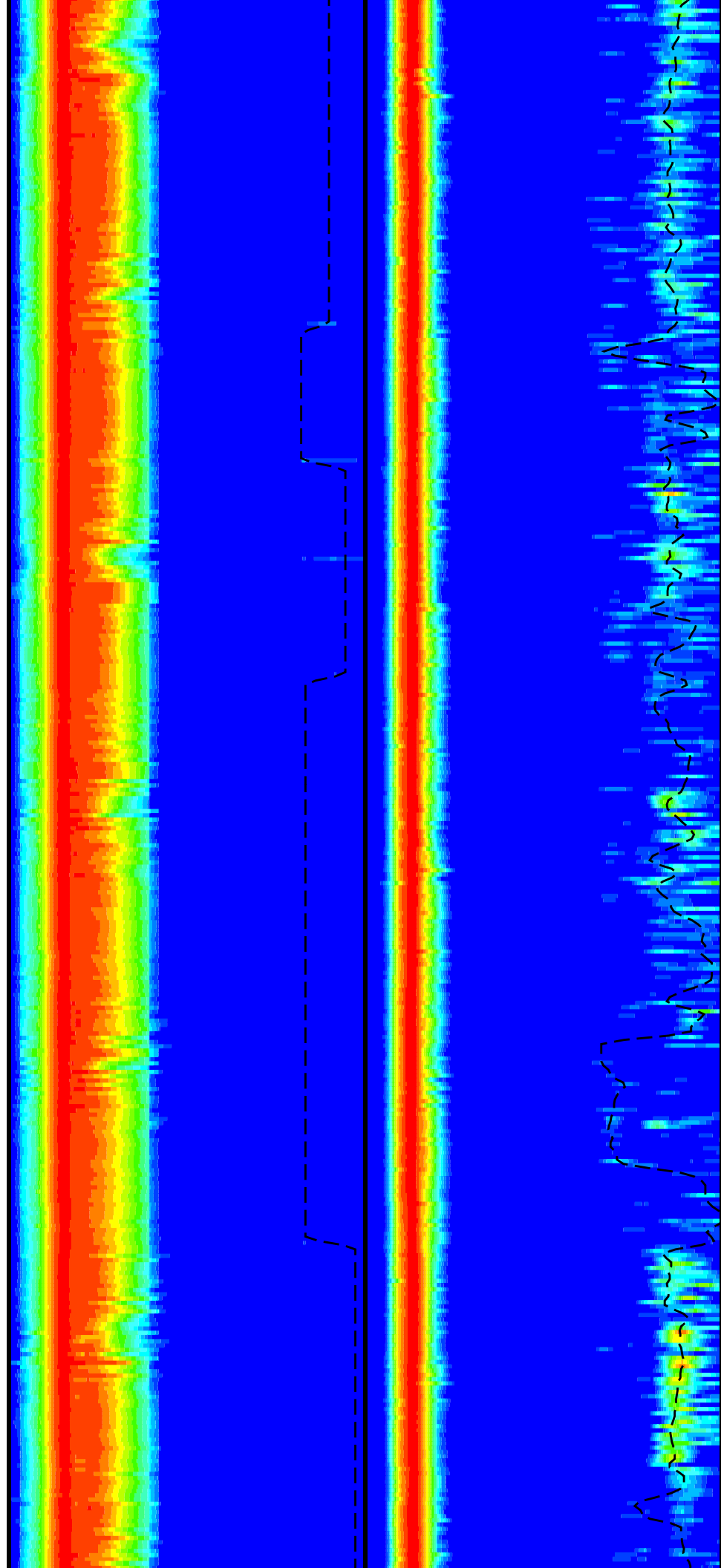
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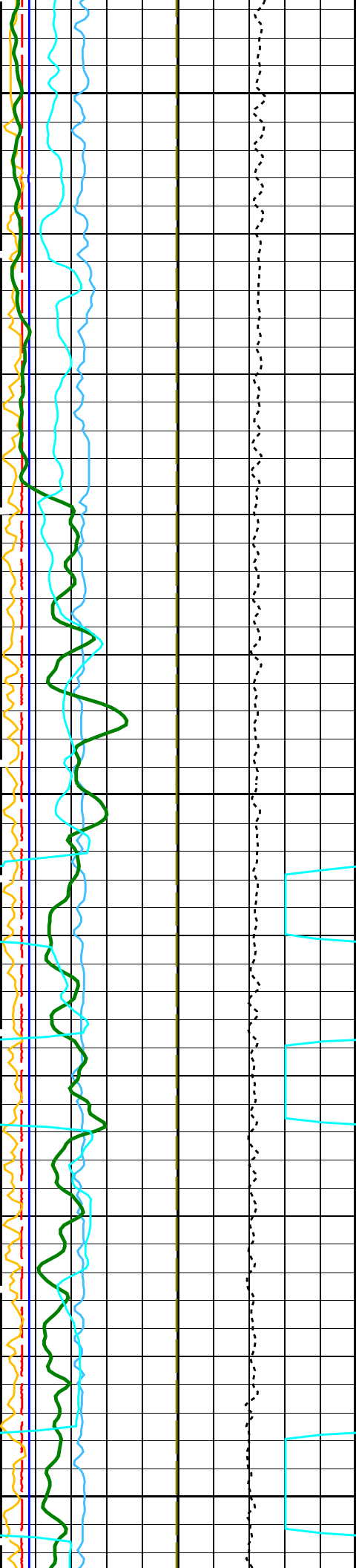




1450

1475

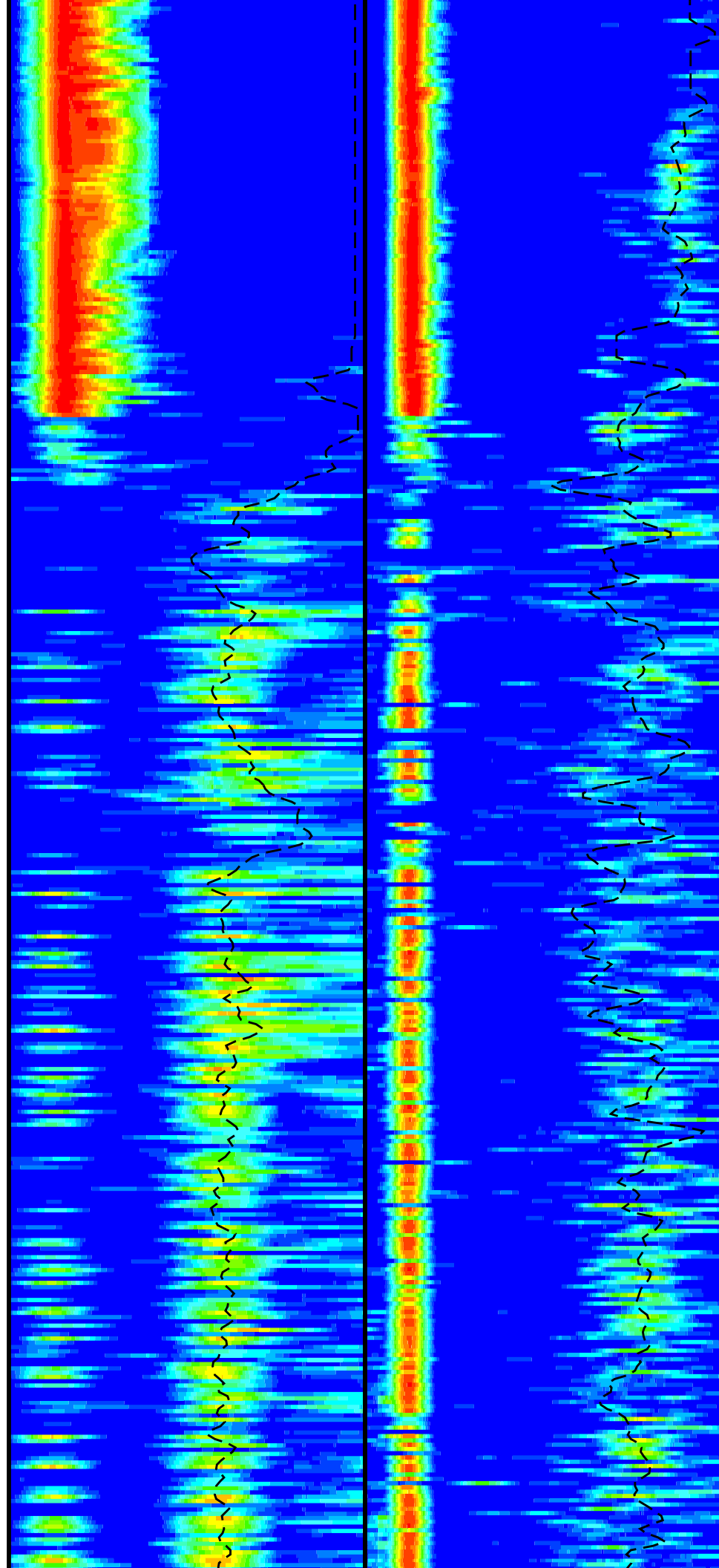


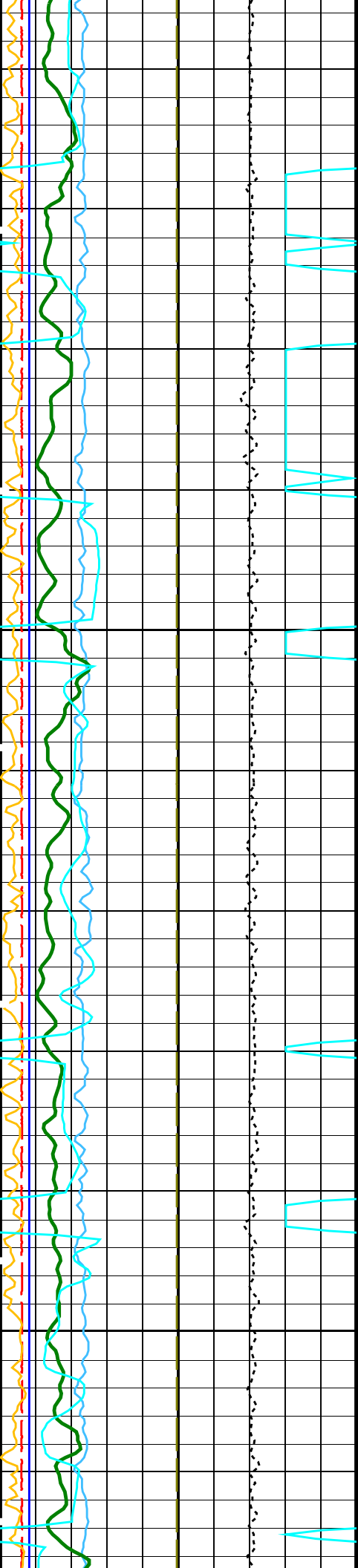


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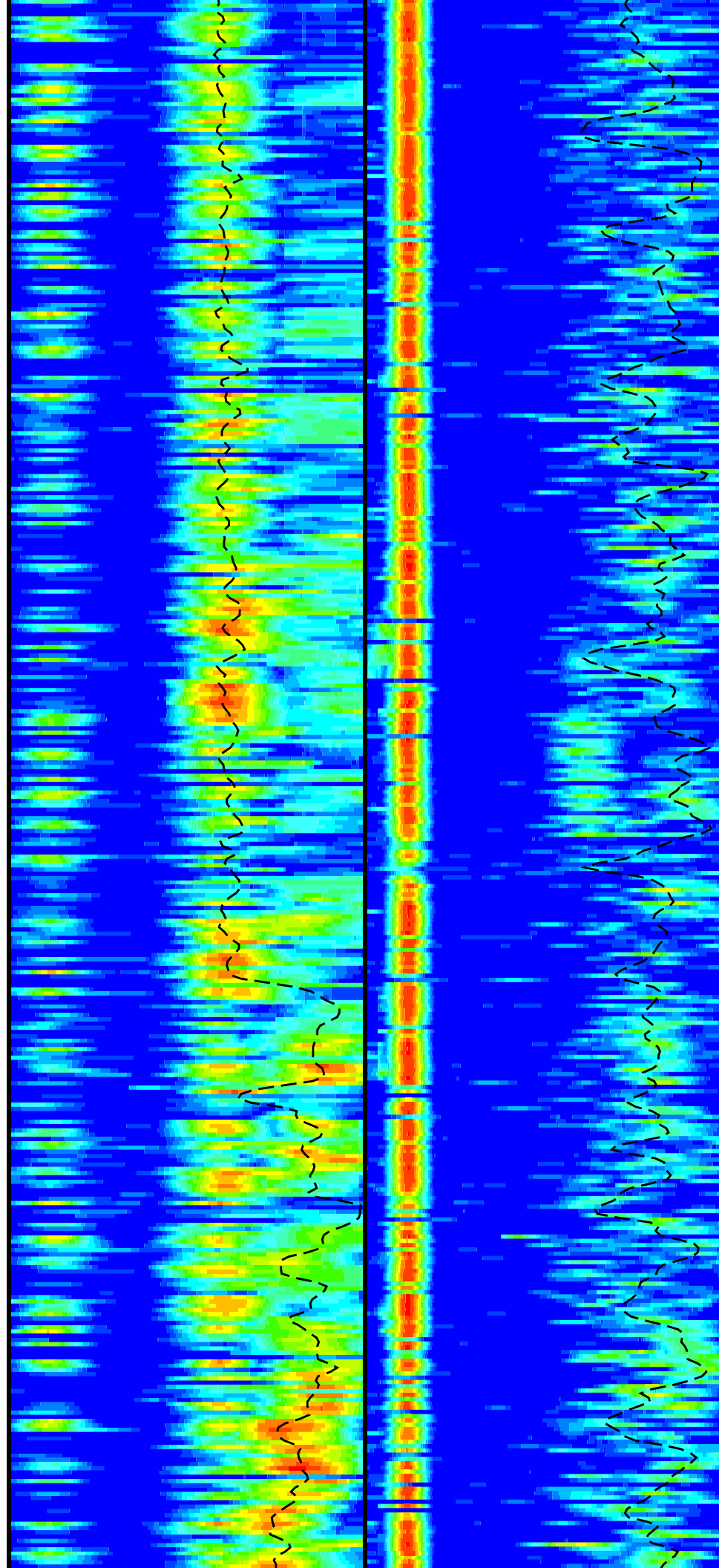
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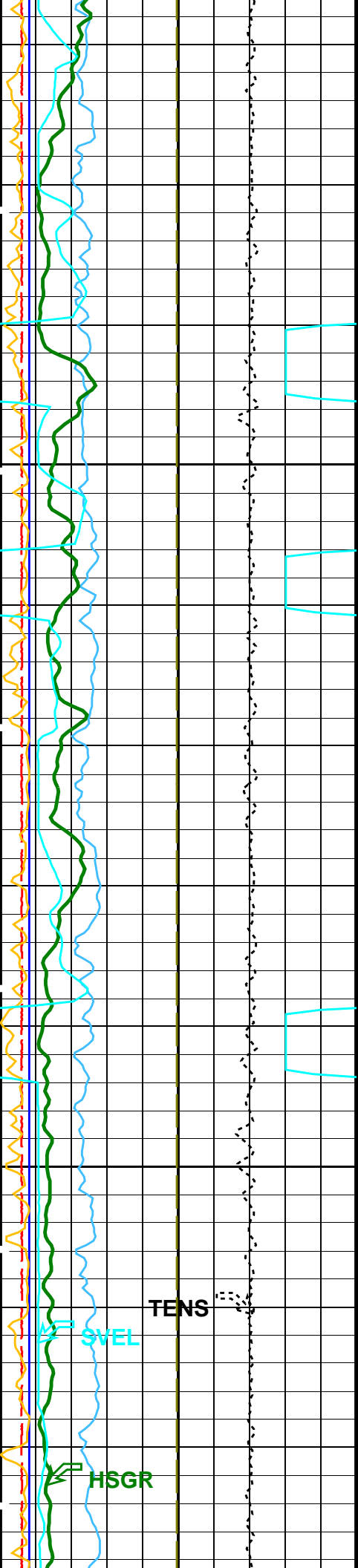




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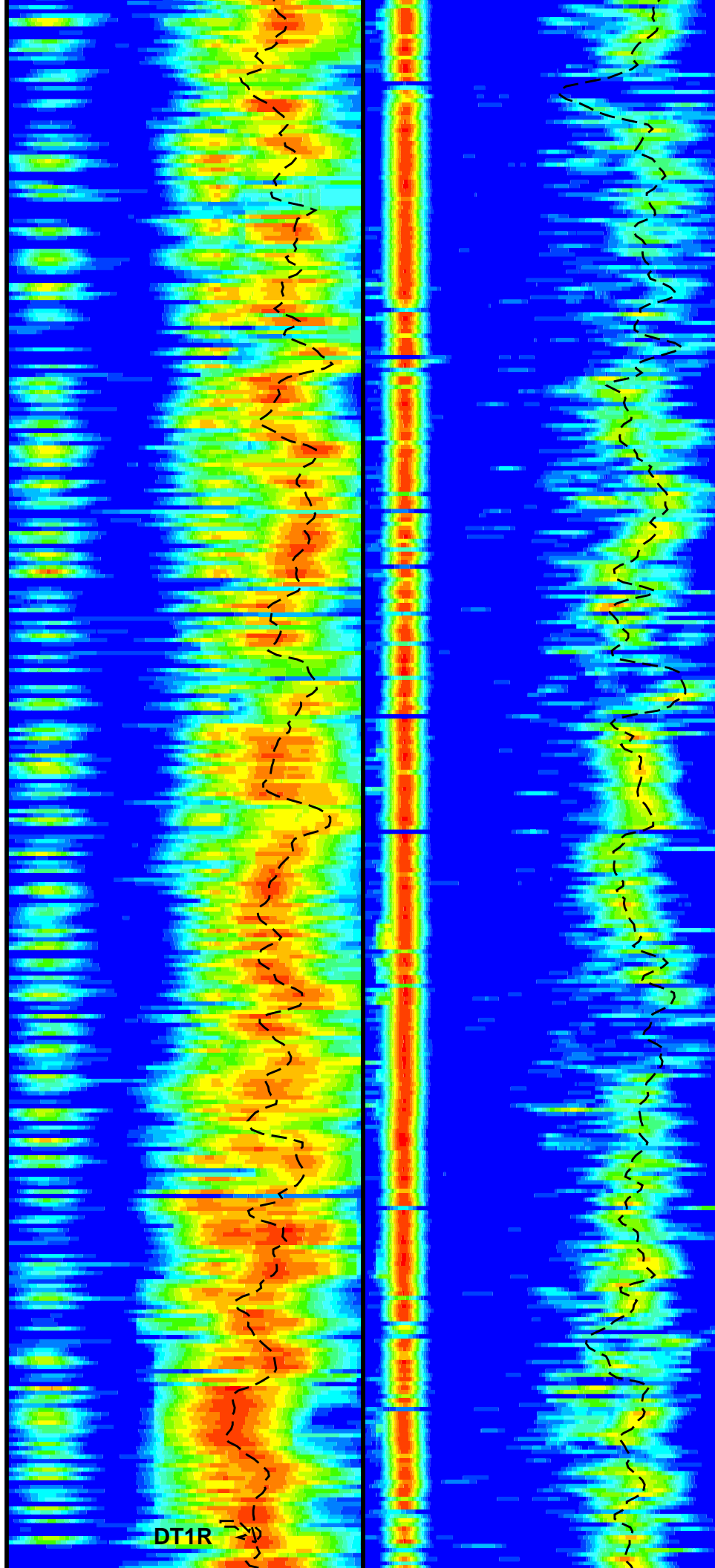
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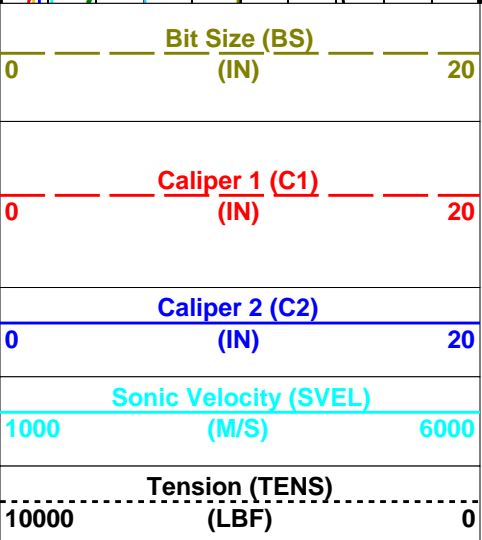
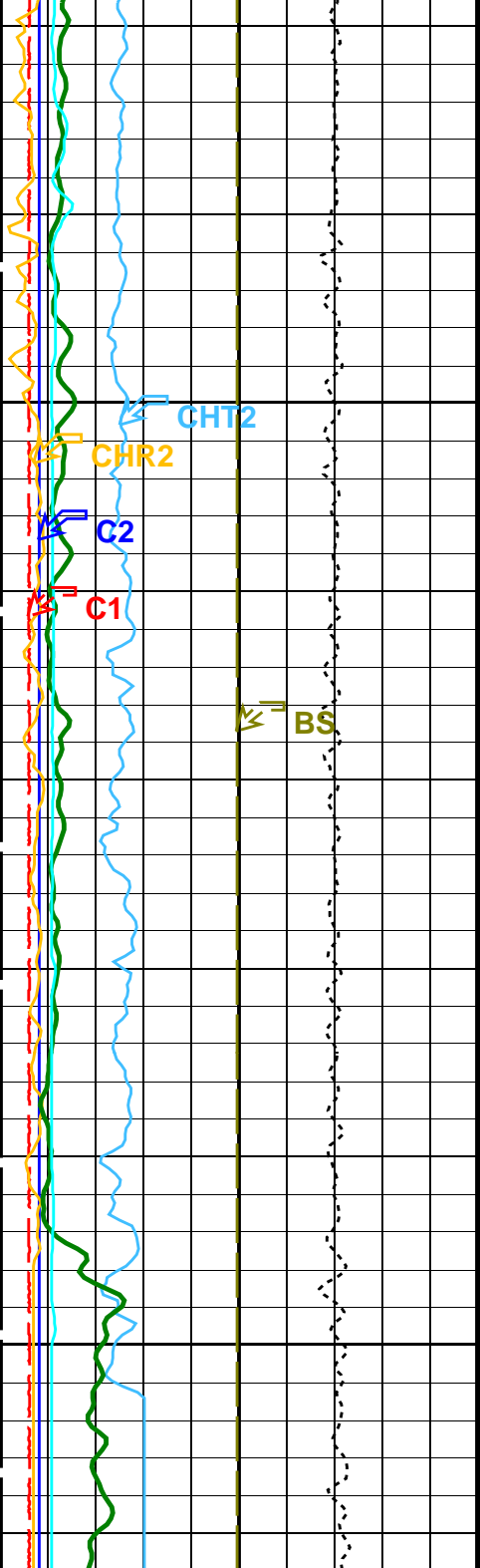




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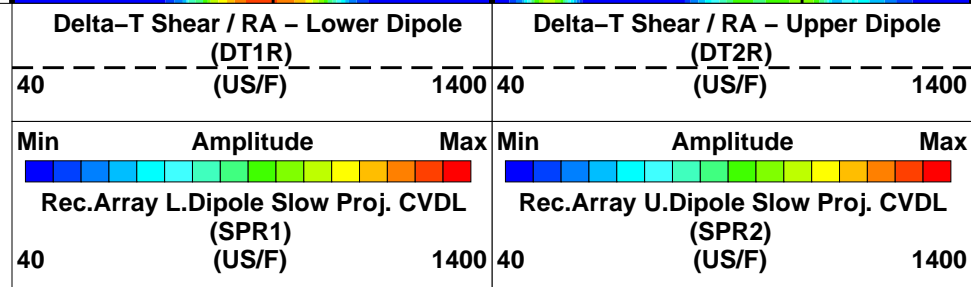
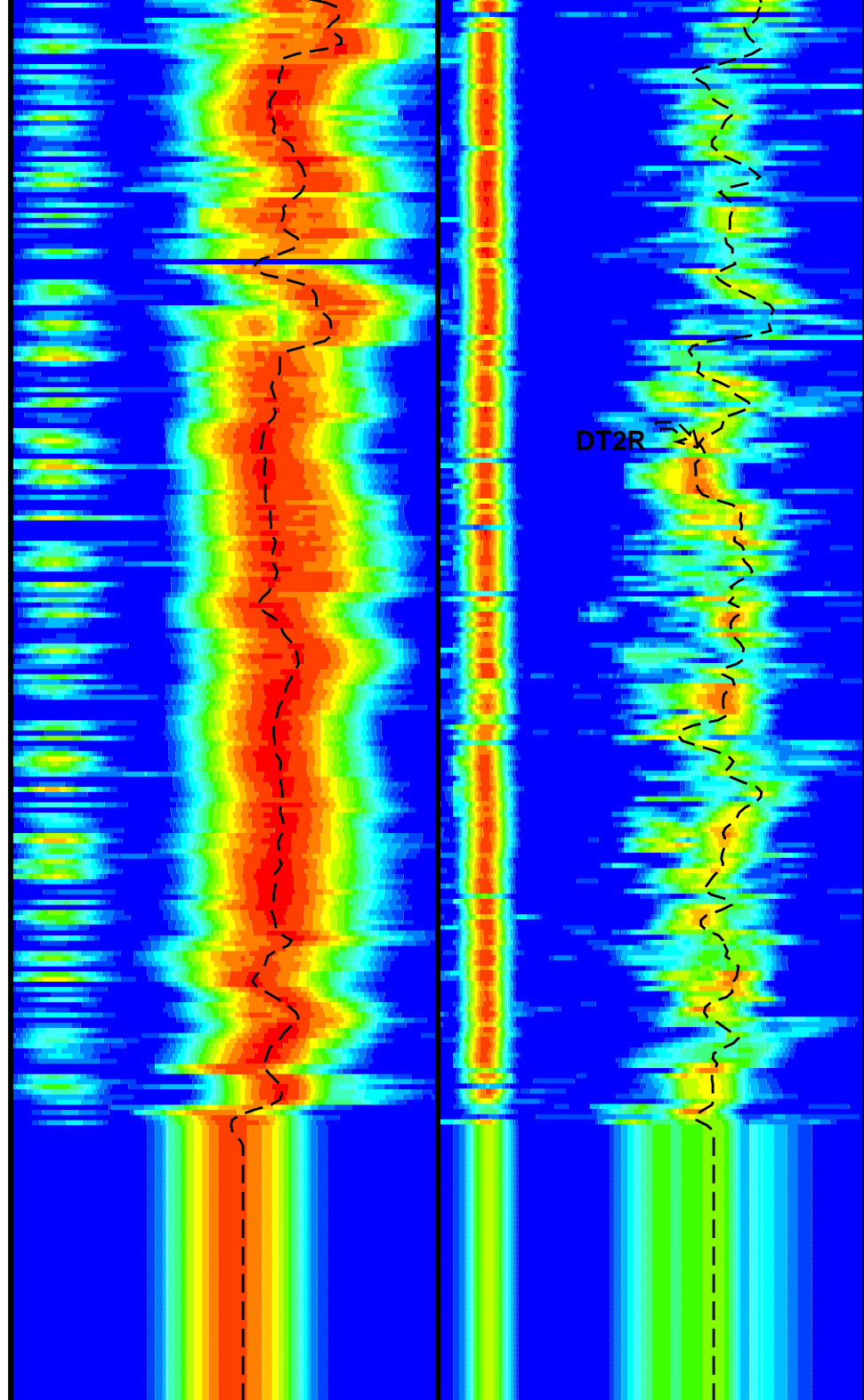
1650





1675

1700



Flipped Downlog

Peak Coherence / RA – Upper Dipole (CHR2)		
0	(-----)	10
Peak Coherence / TA – Upper Dipole (CHT2)		
-2	(-----)	8
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status	OPEN	
DDE1	Digitizing Delay 1	0	US
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source – Dipole Shear	USE	
DSHL	Label Slowness Lower Limit – Dipole Shear	400	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1400	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSI2	Digitizer Sample Interval 2	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	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	BS	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWI2	Number Waveform Items 2	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	LFD_EVEN	
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SAS2	STC Sonic Array Status – Upper Dipole	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3–1.5K	
SFM2	STC Filter – Upper Dipole	B1–2K	
SLL1	STC Slowness Lower Limit – Lower Dipole	40	US/F
SLL2	STC Slowness Lower Limit – Upper Dipole	40	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SUL1	STC Slowness Upper Limit – Lower Dipole	1400	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	1400	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TST1	STC Time Step – Lower Dipole	200	US
TST2	STC Time Step – Upper Dipole	200	US
TUL1	STC Time Upper Limit – Lower Dipole	20440	US
TUL2	STC Time Upper Limit – Upper Dipole	20440	US
TWD1	STC Time Width – Lower Dipole	2000	US

TWD2	STC Time Width – Upper Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
HNGS–BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	–0.0135967	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.00418	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.04768	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: UpperLowerDipole_40_1040 Vertical Scale: 1:200 Graphics File Created: 30–Jul–2021 22:28

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	DTC–H	19C0–187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_071LUP	PRODUCER	30–Jul–2021 22:24	1705.4 M	1373.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_072PUP	FN:67	PRODUCER	30–Jul–2021 22:28
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Company: International Ocean Discovery Program Well: Expedition 395C, Site U1563B

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_071LUP	PRODUCER	30–Jul–2021 22:24	1705.4 M	1373.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_072PUP	FN:67	PRODUCER	30–Jul–2021 22:28	1706.0 M	1373.9 M
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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	DTC–H	19C0–187

PIP SUMMARY

 Time Mark Every 60 S

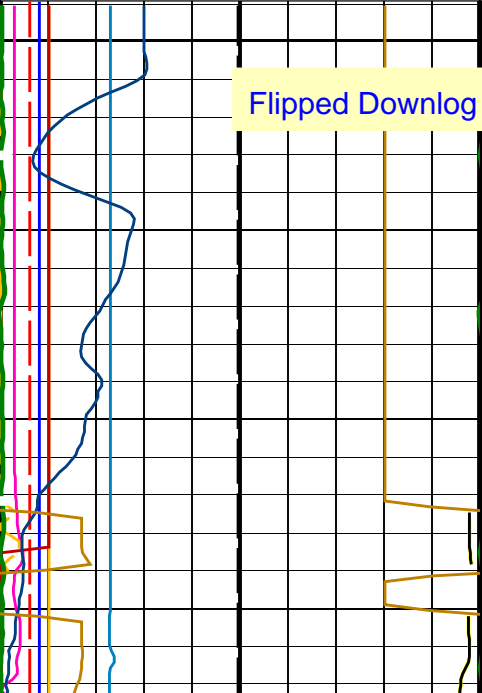
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

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 / TA – Upper Dipole (CHT2)		
-2	(-----)	8
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(-----)	10
Poisson's Ratio (PR)		
0	(-----)	0.5
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Sonde Deviation (SDEVM)		
0	(DEG)	10
Poisson's Ratio (PR)		
0	(-----)	0.5

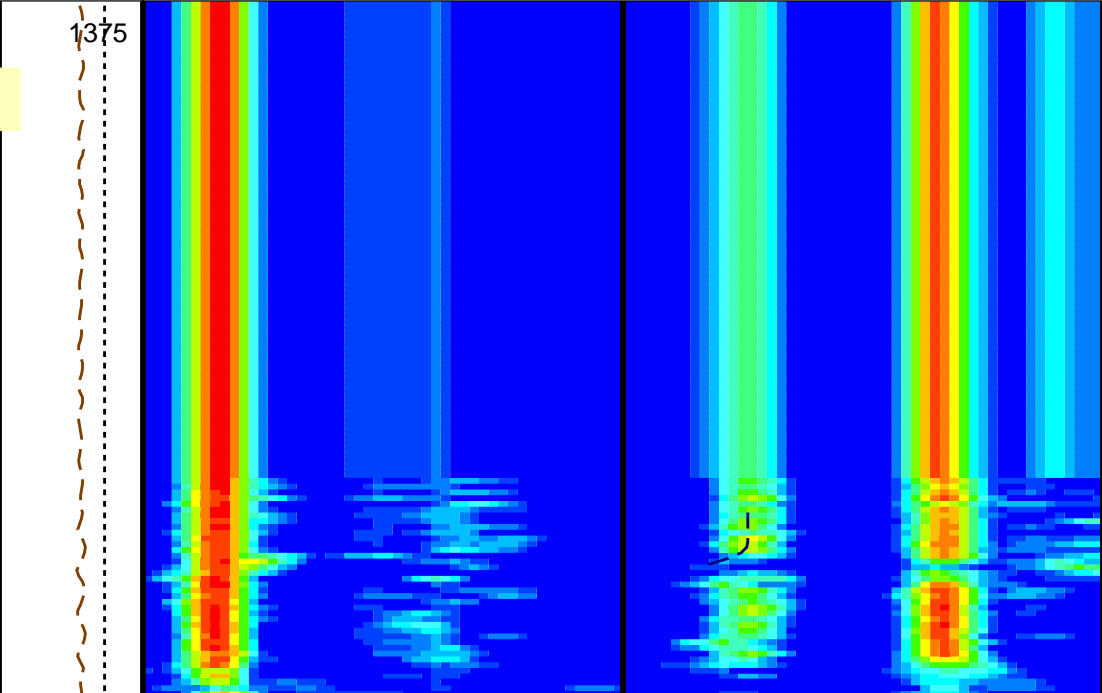
Caliper 1 (C1)		
0	(IN)	20

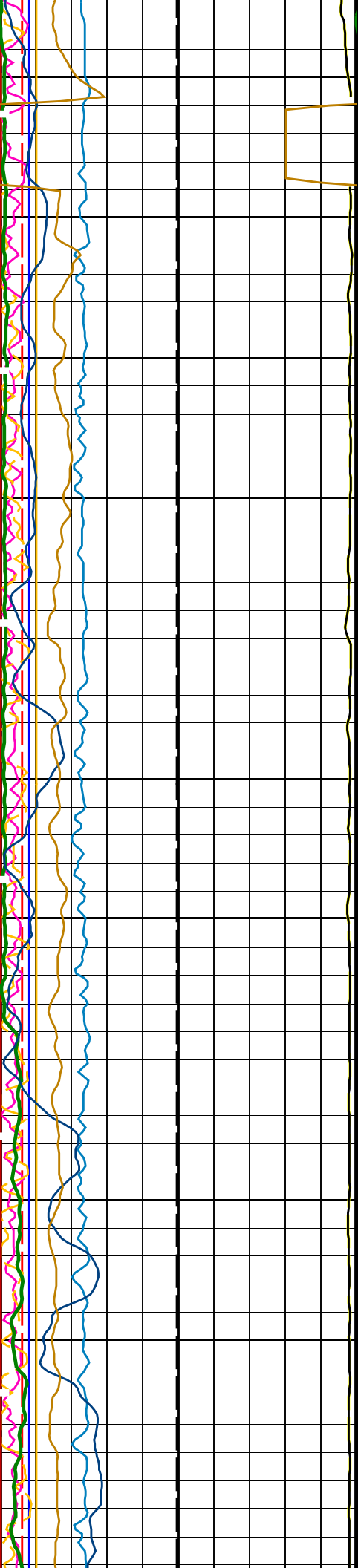
Caliper 2 (C2)		
0	(IN)	20

Bit Size (BS)		
0	(IN)	20



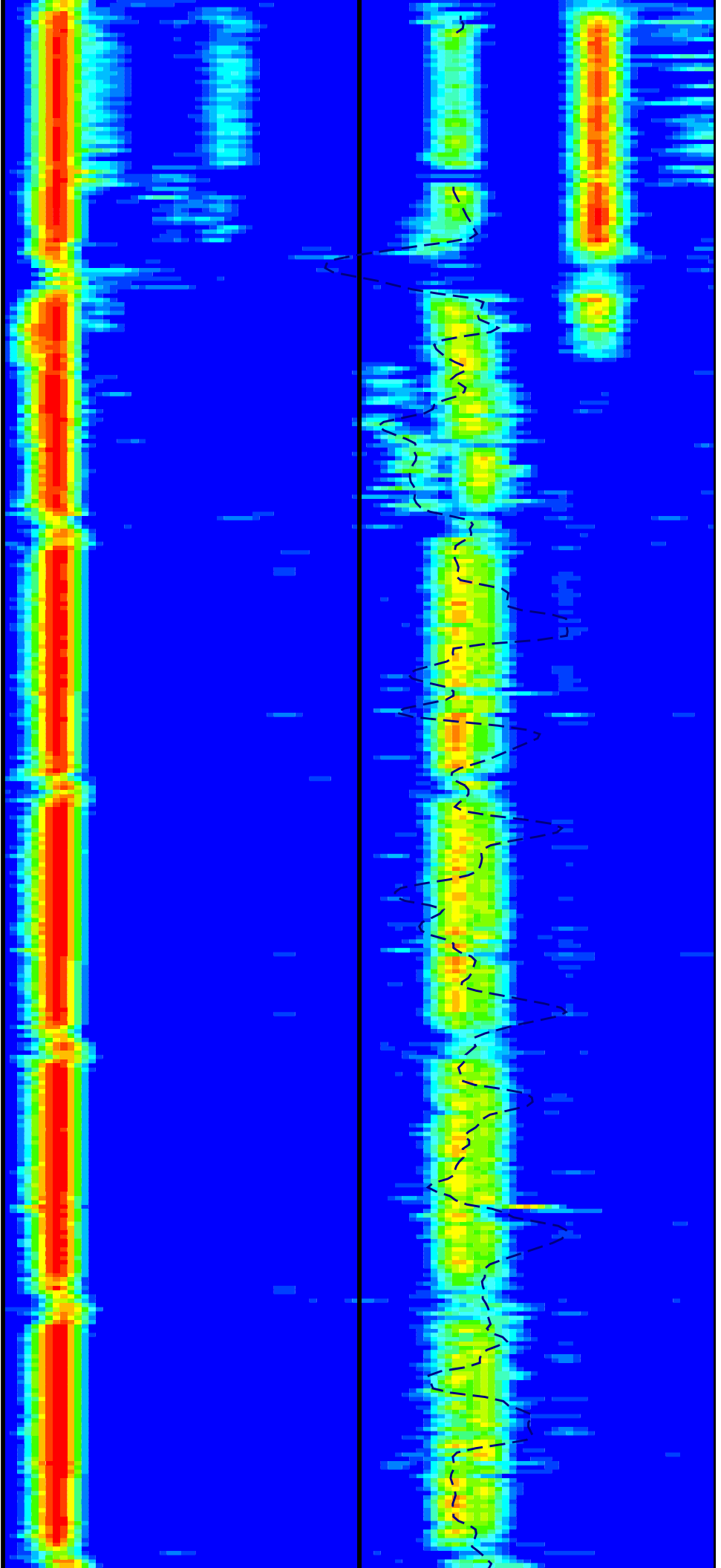
Min Amplitude Max		
Rec.Array P&S Slow Proj. CVDL (SPR4)		
40	(US/F)	240
Delta-T Shear / RA – P & S (DTRS)		
40	(US/F)	240
Delta-T Comp / RA – P & S (DTRP)		
40	(US/F)	240

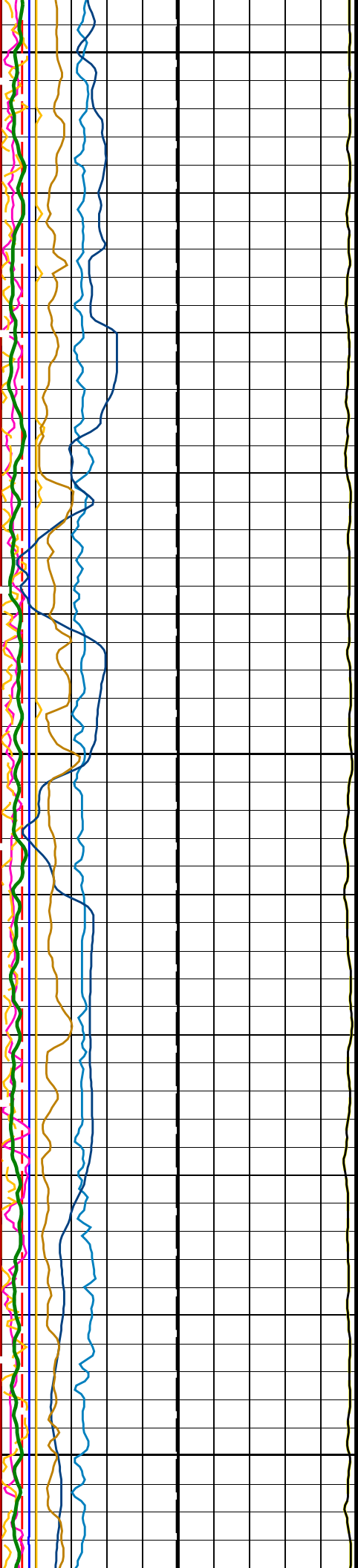




1400

1425

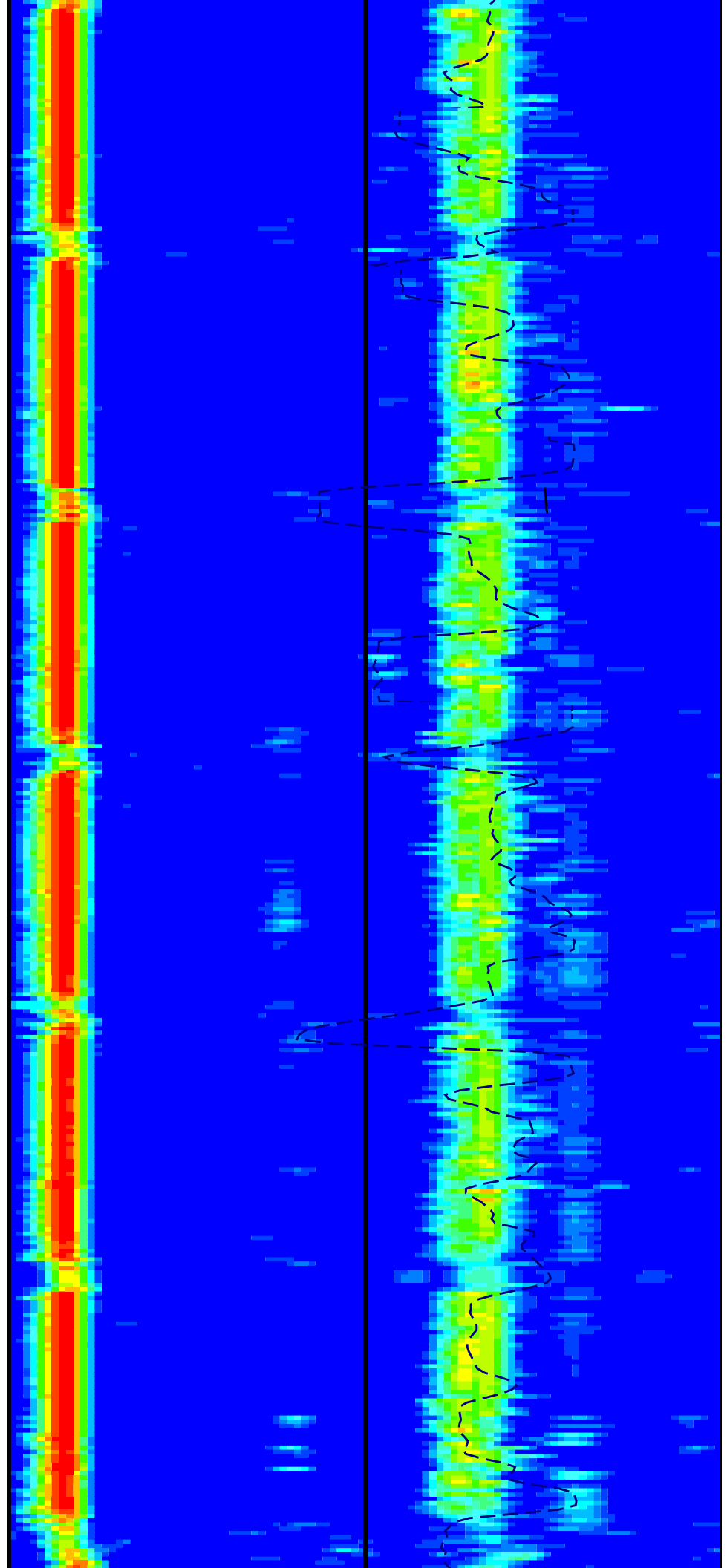


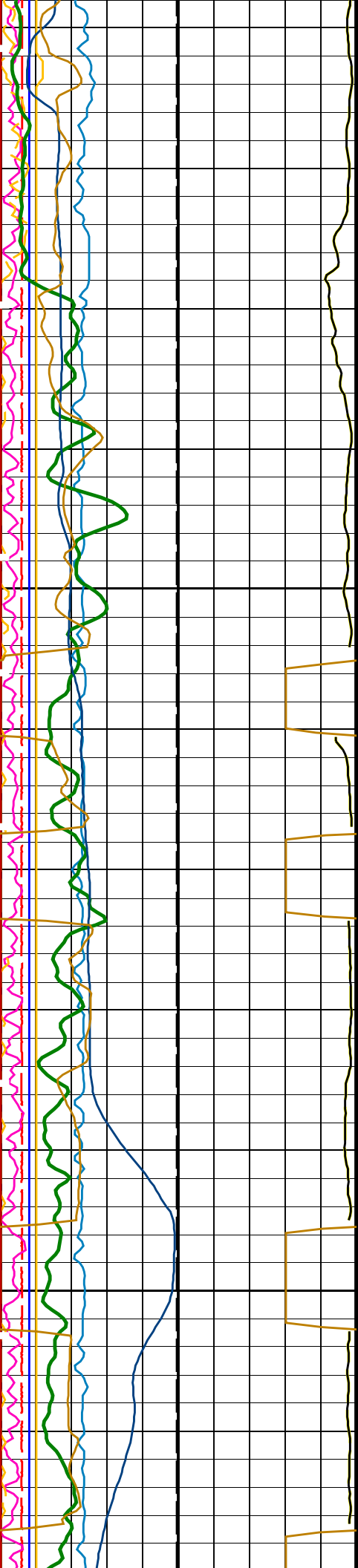


1450

1475

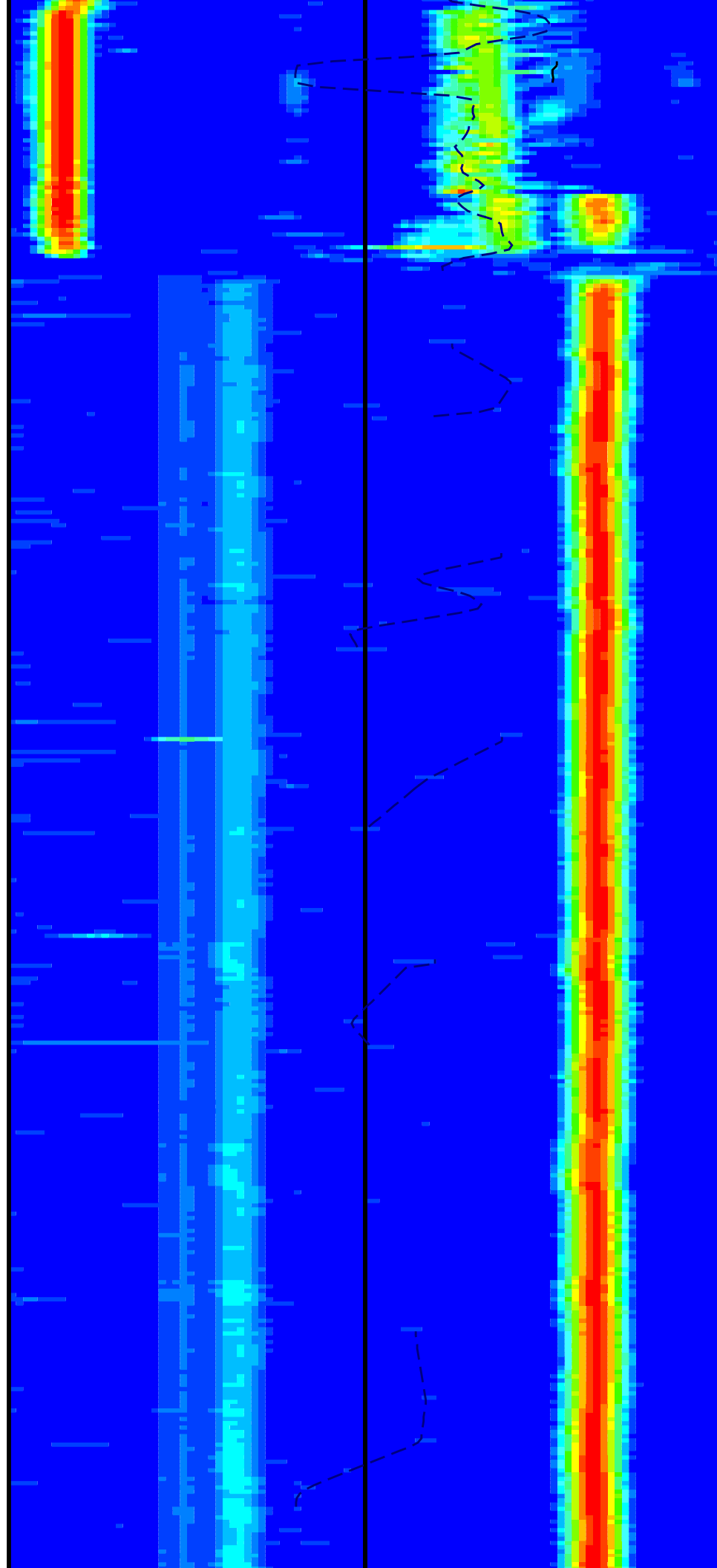
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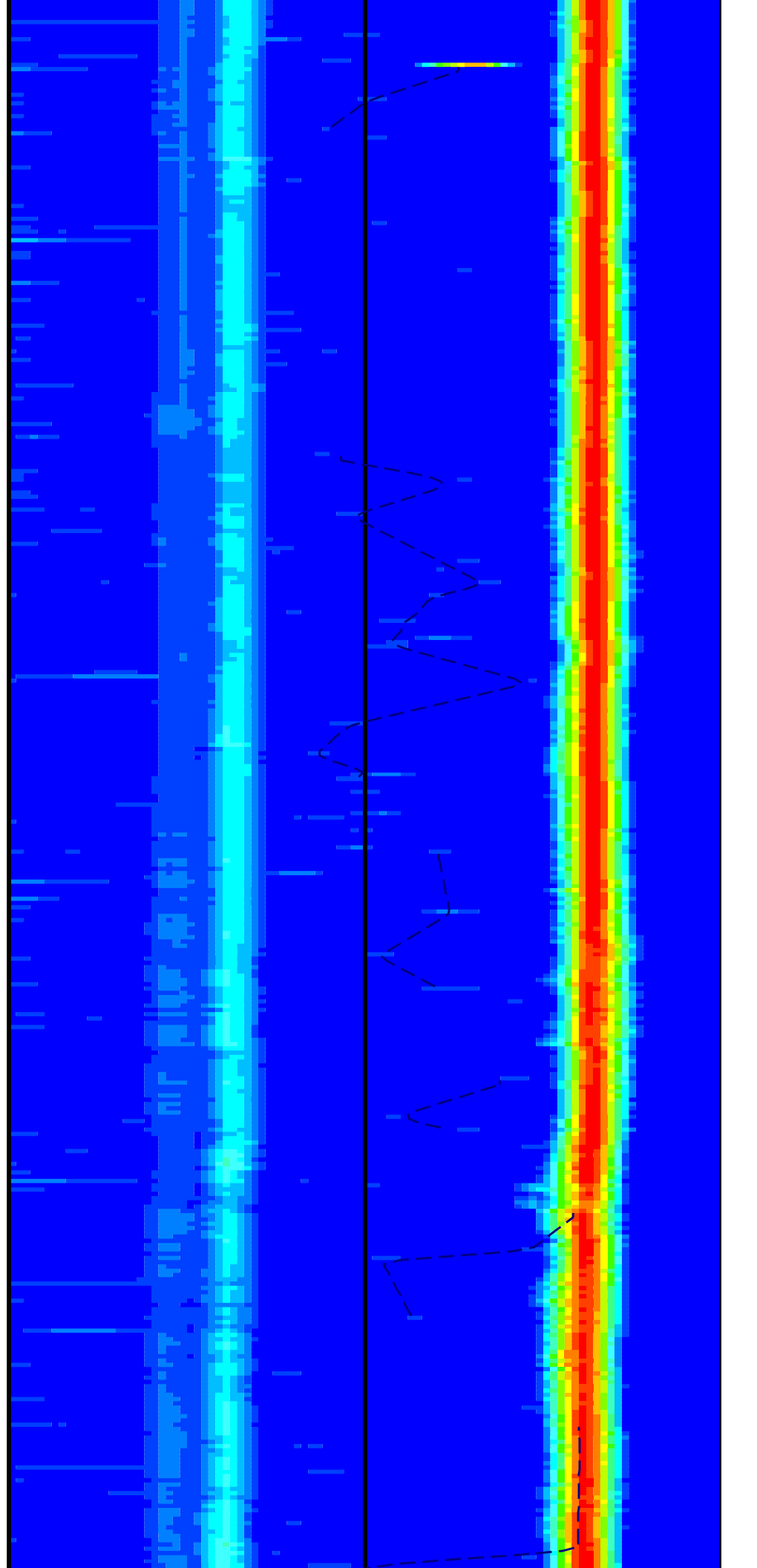
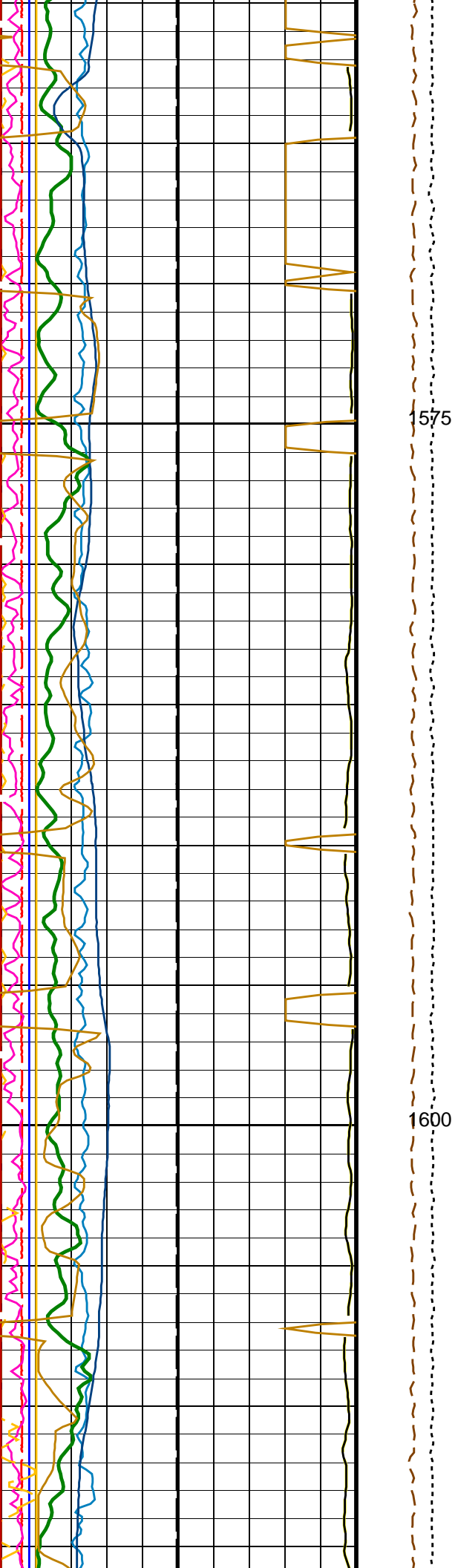


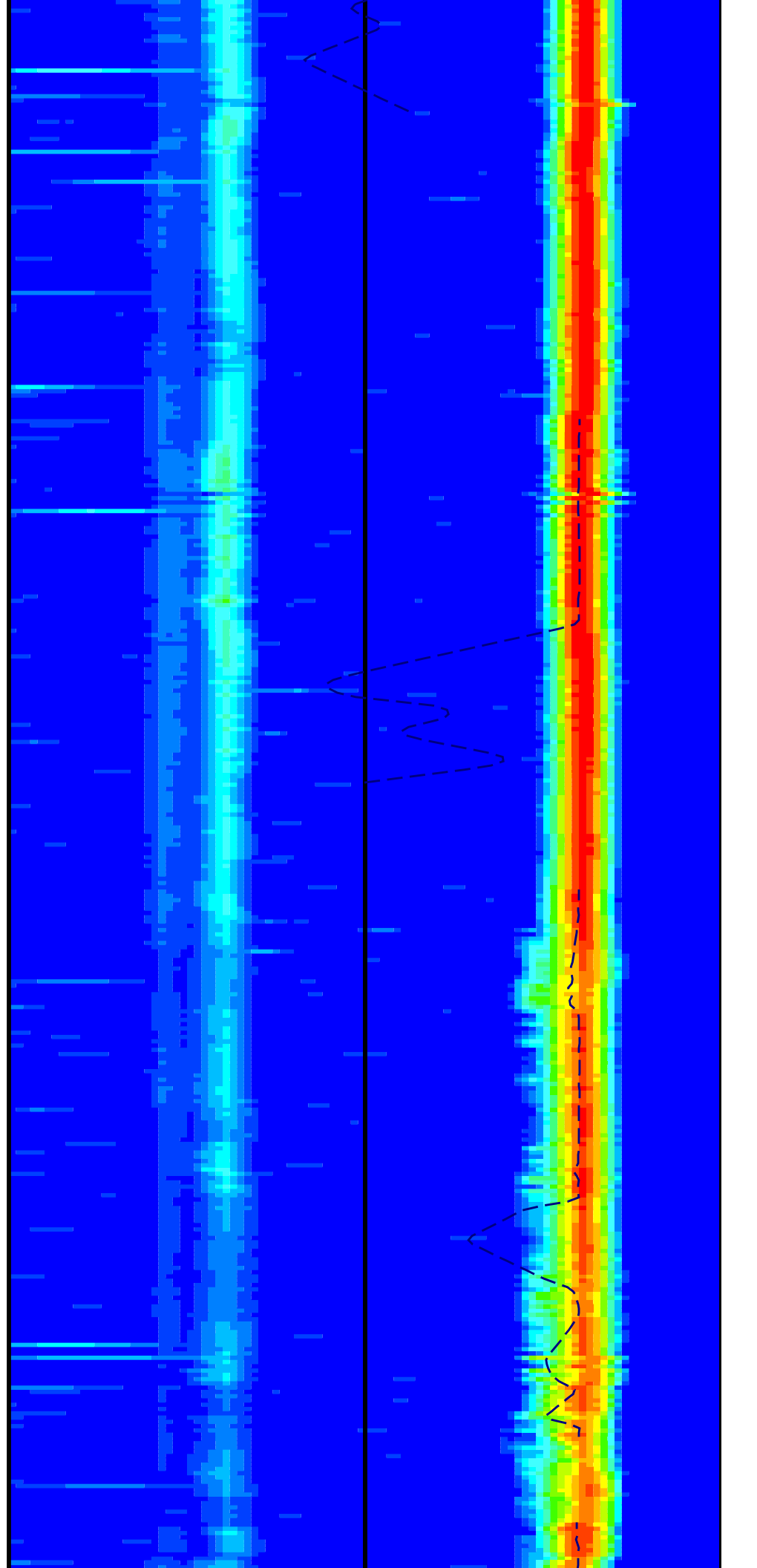
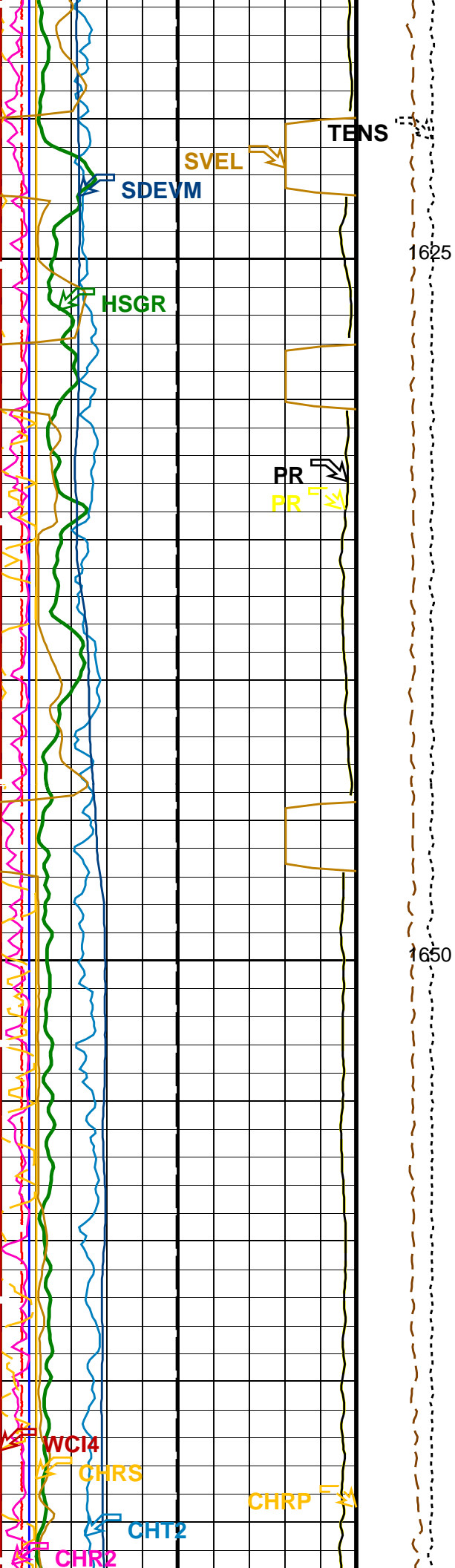


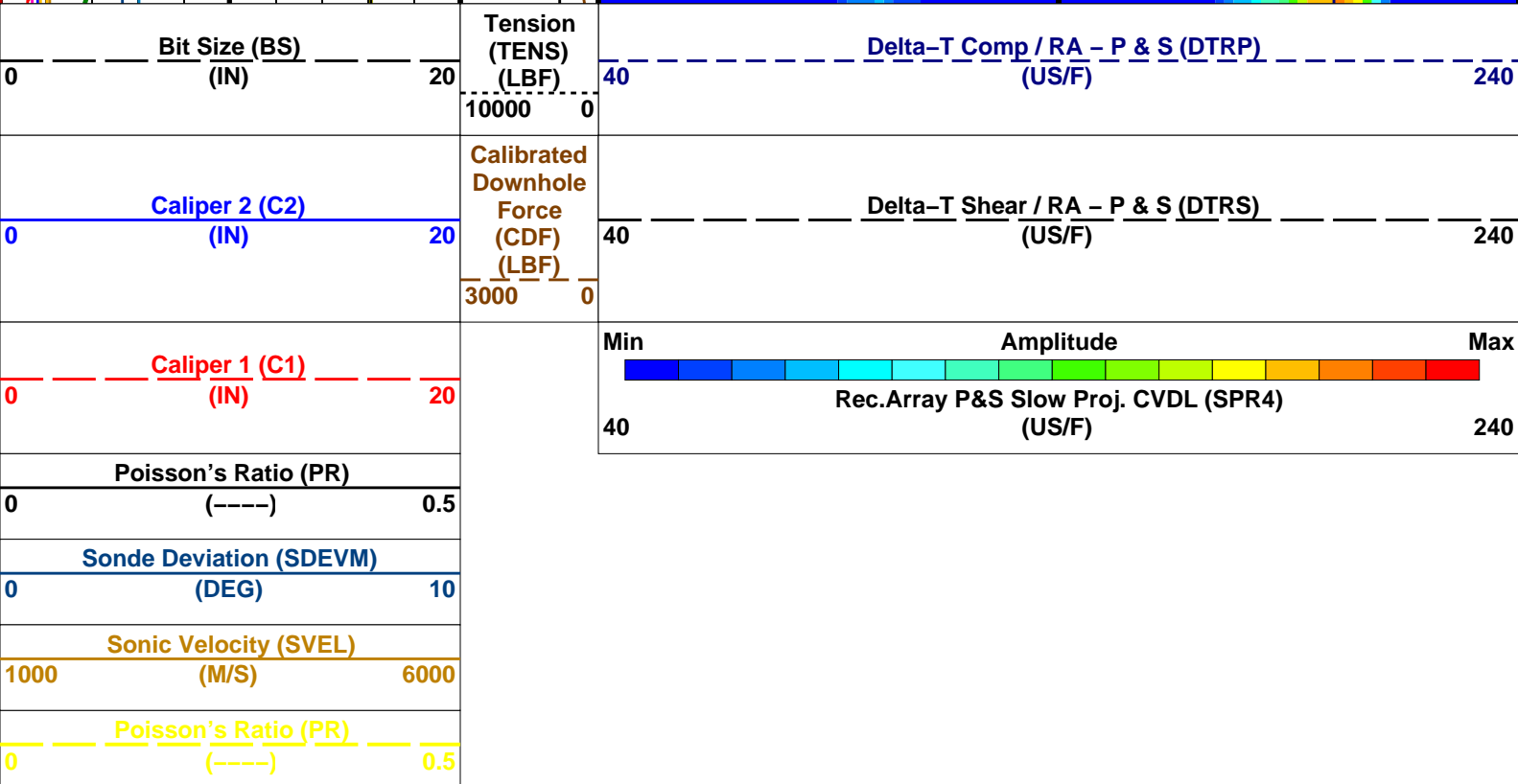
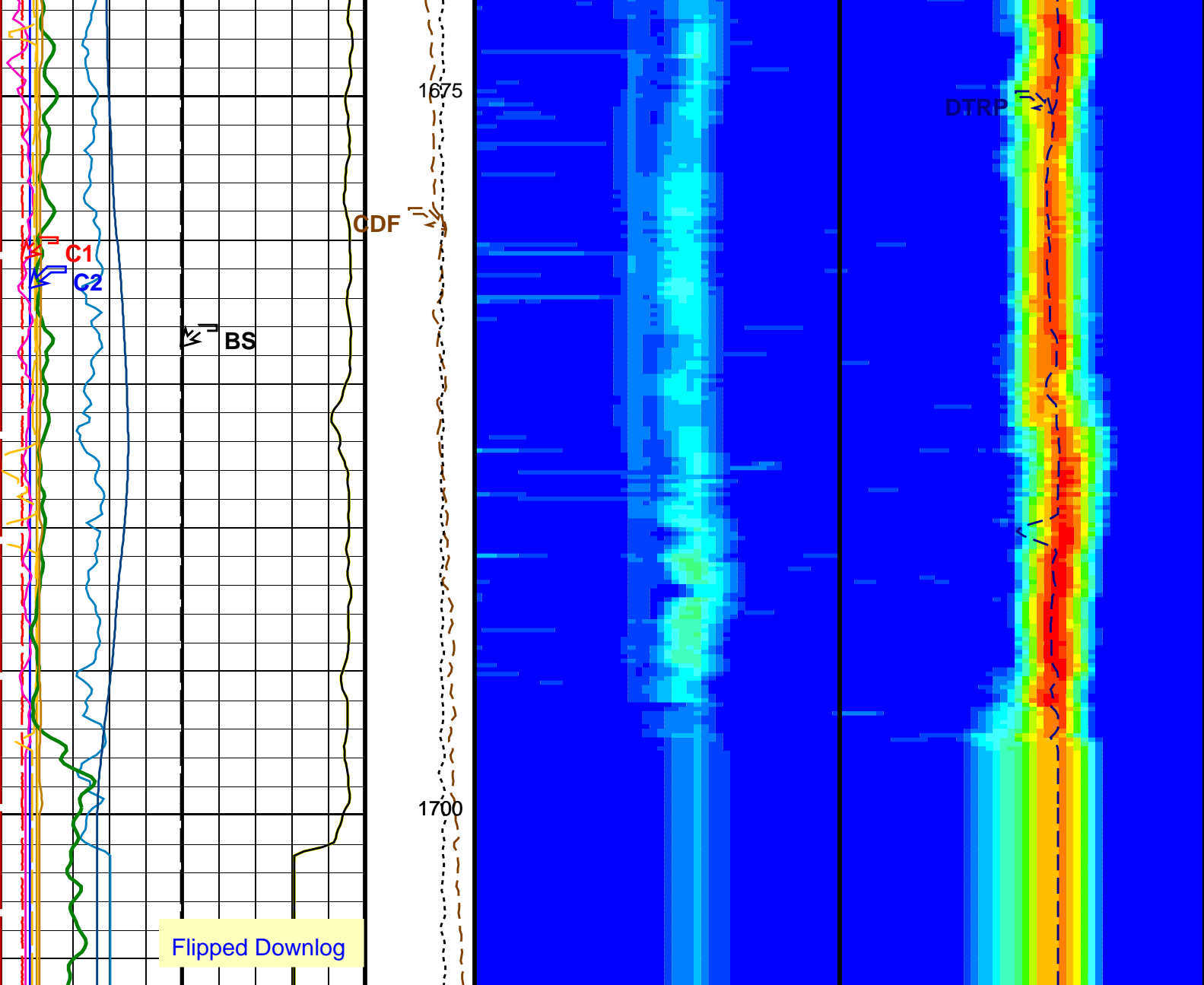
1525

1550









Peak Coherence / RA – Upper Dipole (CHR2)		
0	(-----)	10
Peak Coherence / TA – Upper Dipole (CHT2)		
-2	(-----)	8
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
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
MEST-B: Micro Electrical Scanner – B (Slim)			
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MDEC	Magnetic Field Declination	-13.7817	DEG
DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status	OPEN	
CASF	Label Casing Function – Monopole P&S	50	
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	120	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	200	US/F
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	400	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1400	US/F
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	212	US/F
DTSS	Shear Delta-T Source for DTSM Channel	UPPER_DIPOLE	
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control – Monopole P&S	COMP	
GCSE	Generalized Caliper Selection	BS	
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
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	
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW4	STC Search Bandwidth – Monopole P&S	2000	US

SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	190	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	195	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	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
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	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	
HNGS–BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	–0.0135967	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.00418	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.04768	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_Only Vertical Scale: 1:200 Graphics File Created: 30–Jul–2021 22:28

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	DTC–H	19C0–187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_071LUP	PRODUCER	30–Jul–2021 22:24	1705.4 M	1373.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_072PUP	FN:67	PRODUCER	30–Jul–2021 22:28
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Output DLIS Files

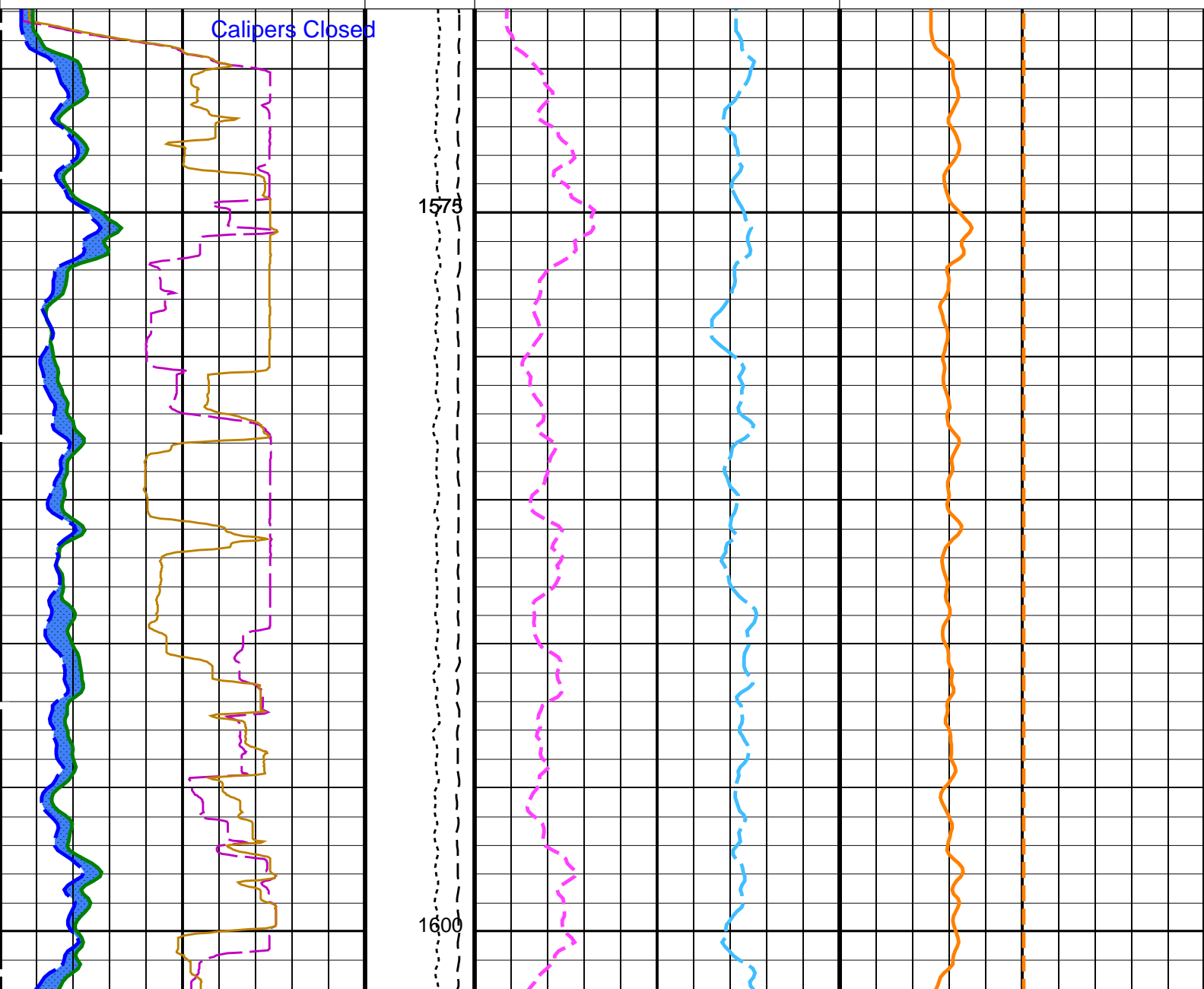
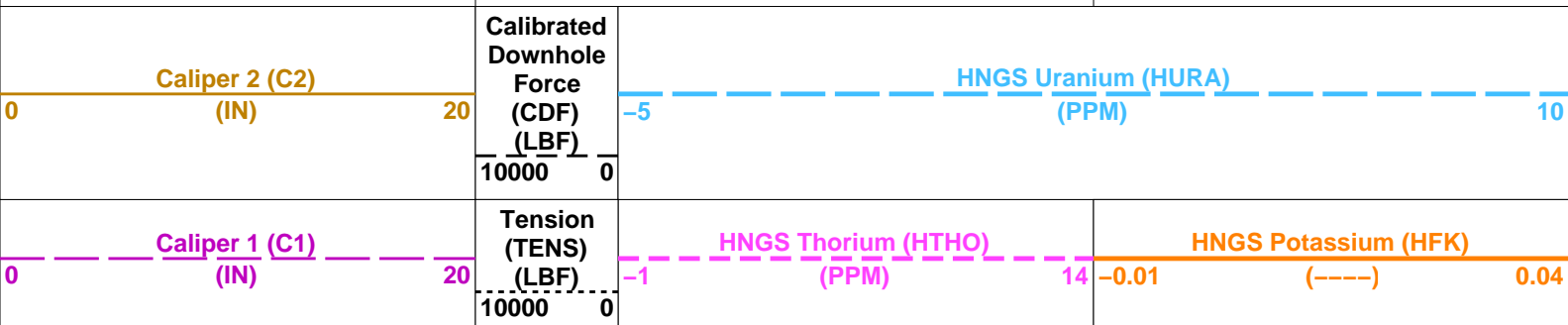
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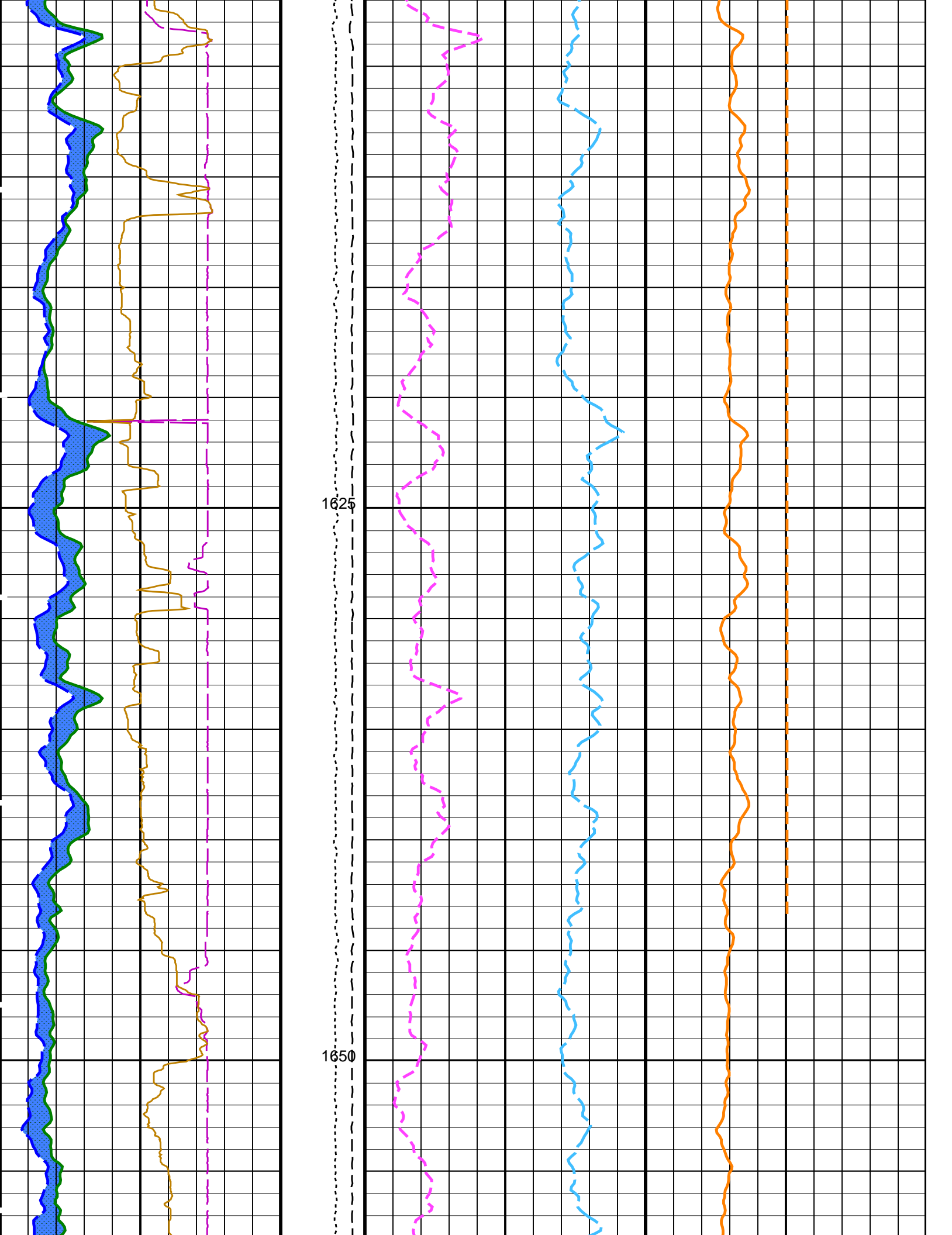
OP System Version: 19C0–187

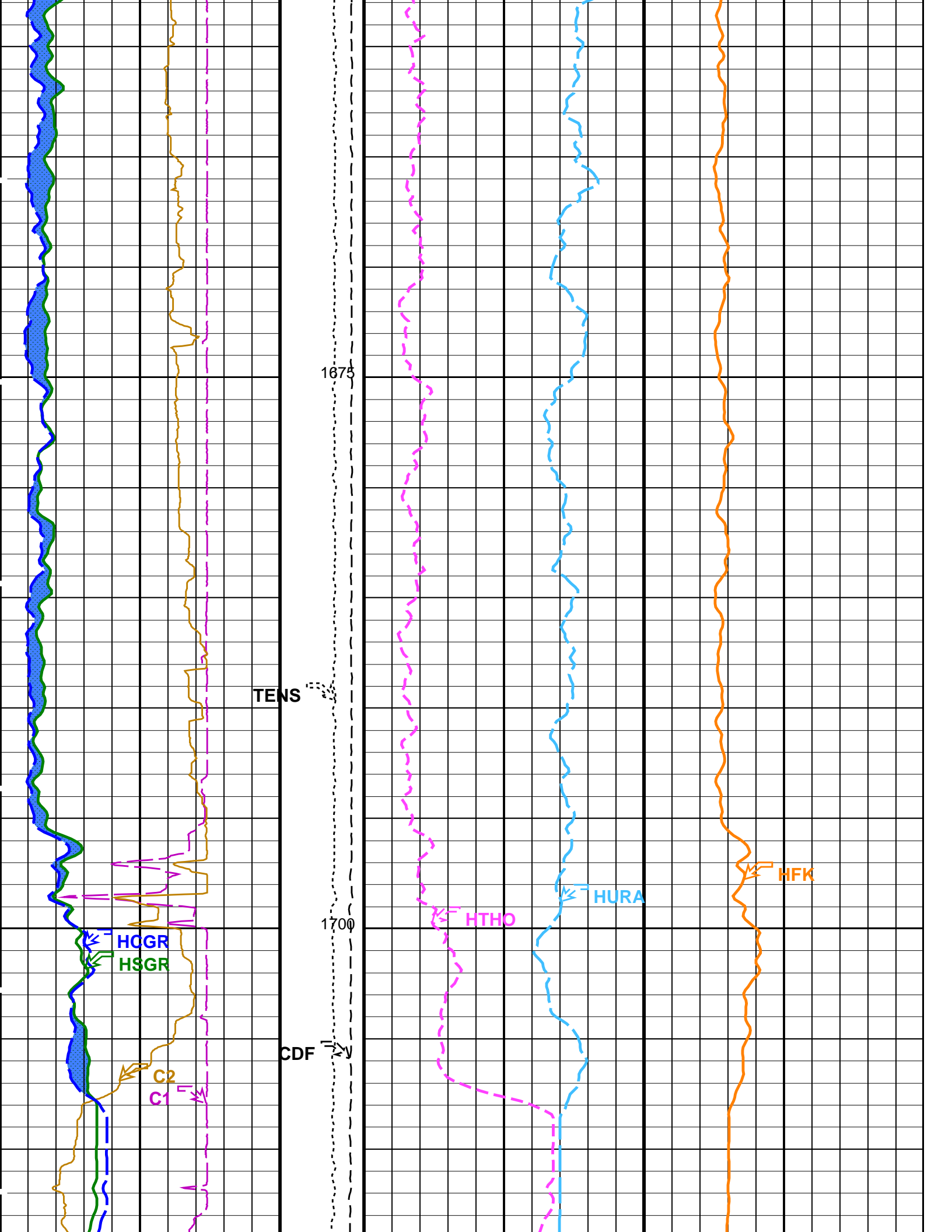
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DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

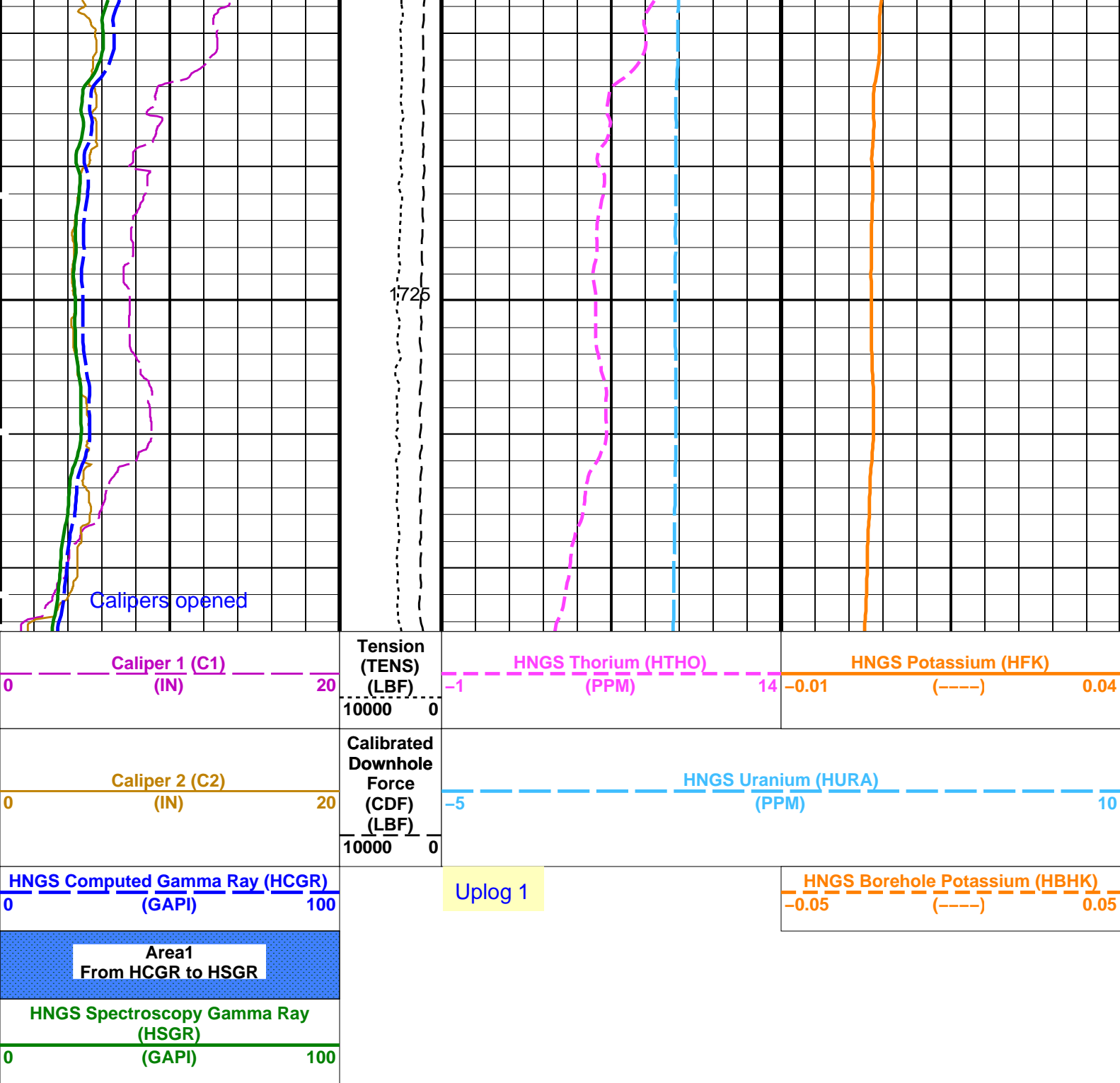
PIP SUMMARY

Time Mark Every 60 S









Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	C1
HNGBA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	C1
H1P	HNGS Detector 1 Allow/Discallow In Processing	ALLOW

H2P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HALF	HNGS Borehole Potassium Running Average	-0.00214354	
HCRB	HNGS Alpha Filter Length	60	IN
HMWM	HNGS Apply Borehole Potassium Correction	NONE	
HNPE	Mud Weighting Material	NATU	
S1BI	HNGS Processing Enable	YES	
S2BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
TPOS	HNGS Standard Gamma-Ray Correction Flag	YES	
VBA1	Tool Position	CENT	
VBA2	HNGS Detector 1 Variable Barite Factor Running Average	1.04664	
	HNGS Detector 2 Variable Barite Factor Running Average	1.05633	
System and Miscellaneous			
BS	Bit Size	9.875	IN

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 29-Jul-2021 21:09

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	DTC-H	19C0-187

Output DLIS Files					
DEFAULT	FMS_DSI_NGS_029LUP	FN:50	PRODUCER	29-Jul-2021 21:09	
BACKUP	FMS_DSI_NGS_029LUP	FN:51	PRODUCER	29-Jul-2021 21:09	

Output DLIS Files					
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BACKUP	FMS_DSI_NGS_029LUP	FN:51	PRODUCER	29-Jul-2021 21:09	1737.4 M 1567.9 M

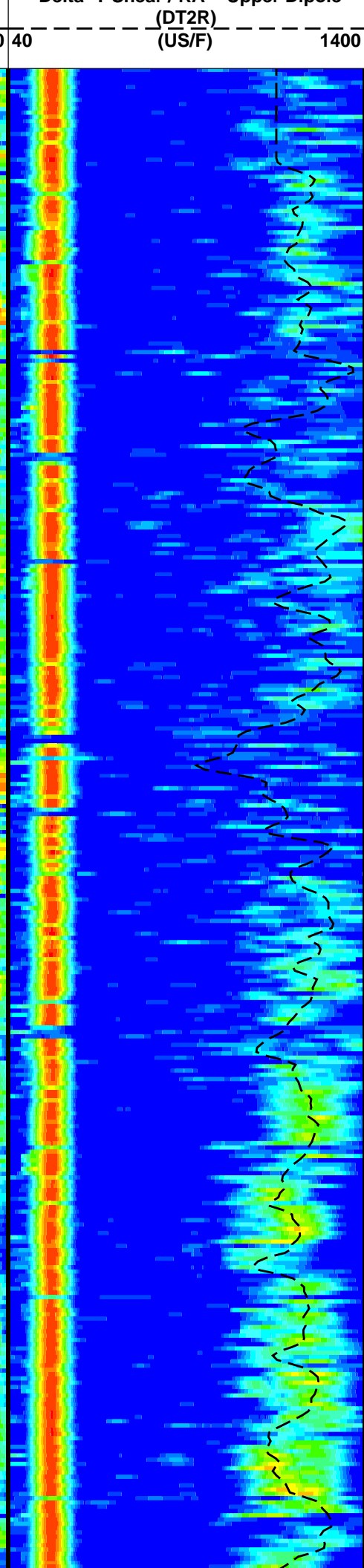
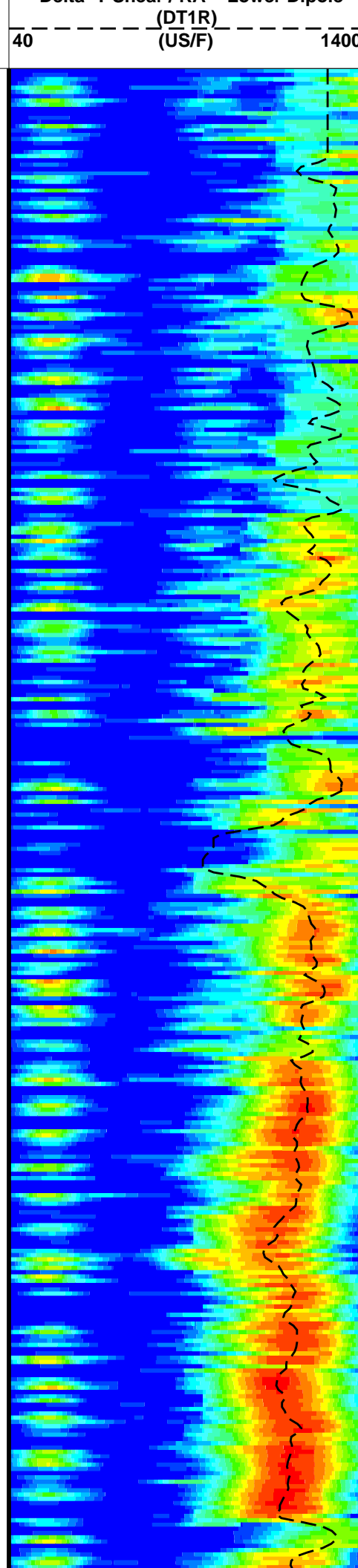
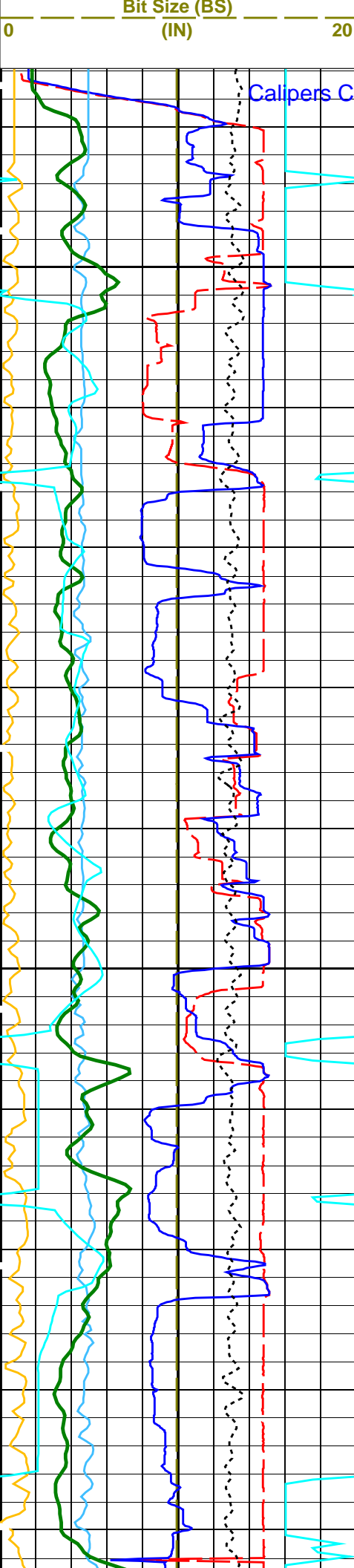
OP System Version: 19C0-187			
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

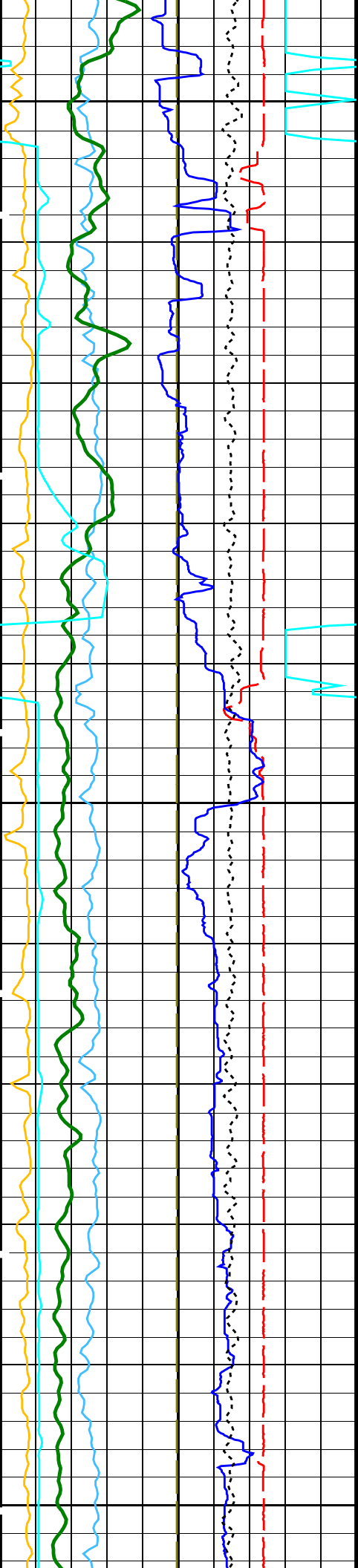
PIP SUMMARY	
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HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(----)	10
Tension (TENS) (LBF)		
10000		0
Sonic Velocity (SVEL) (M/S)		
1000		6000
Caliper 2 (C2) (IN)		
0		20
Caliper 1 (C1) (IN)		
0		20

Uplog 1

Min	Amplitude	Max	Min	Amplitude	Max
40	Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)	1400	40	Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)	1400
Delta-T Shear / RA - Lower Dipole			Delta-T Shear / RA - Upper Dipole		

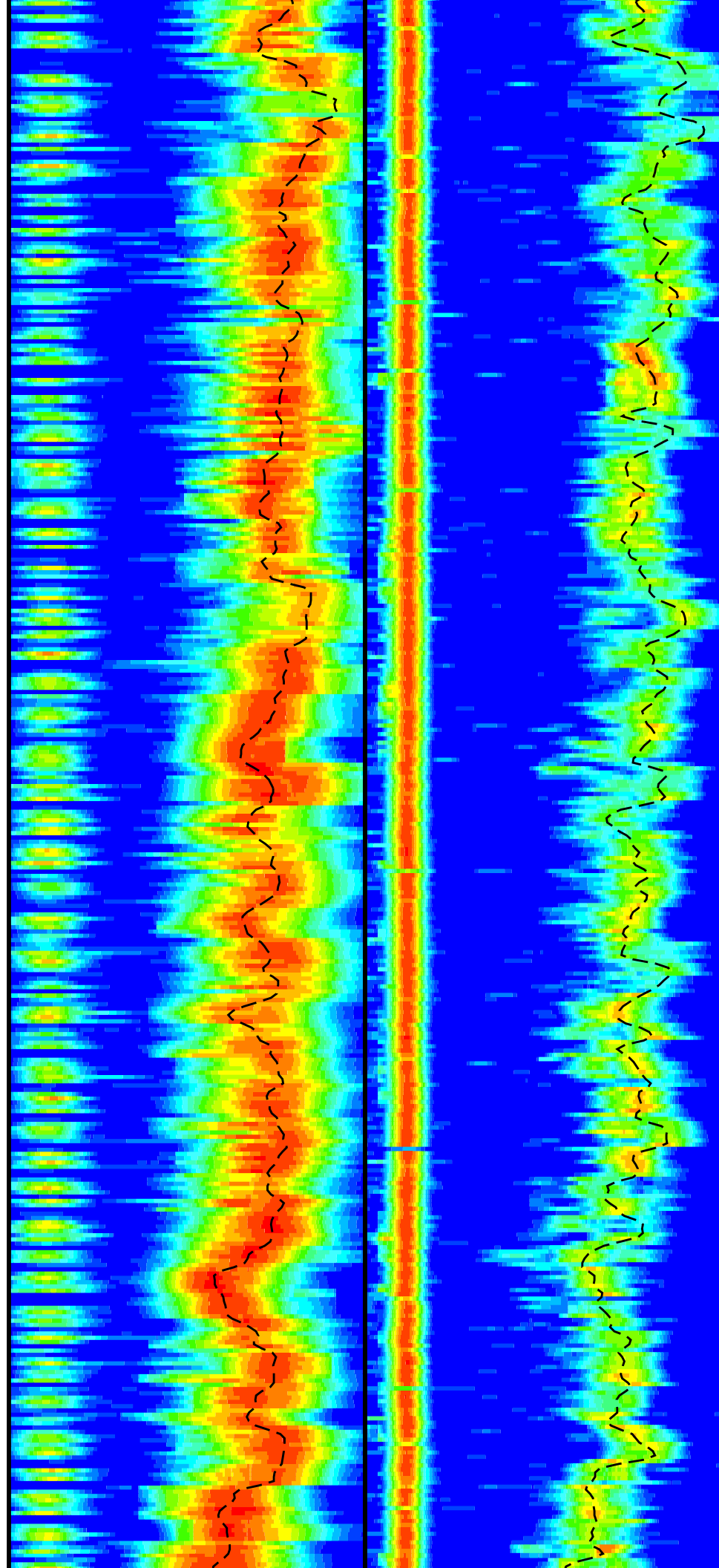


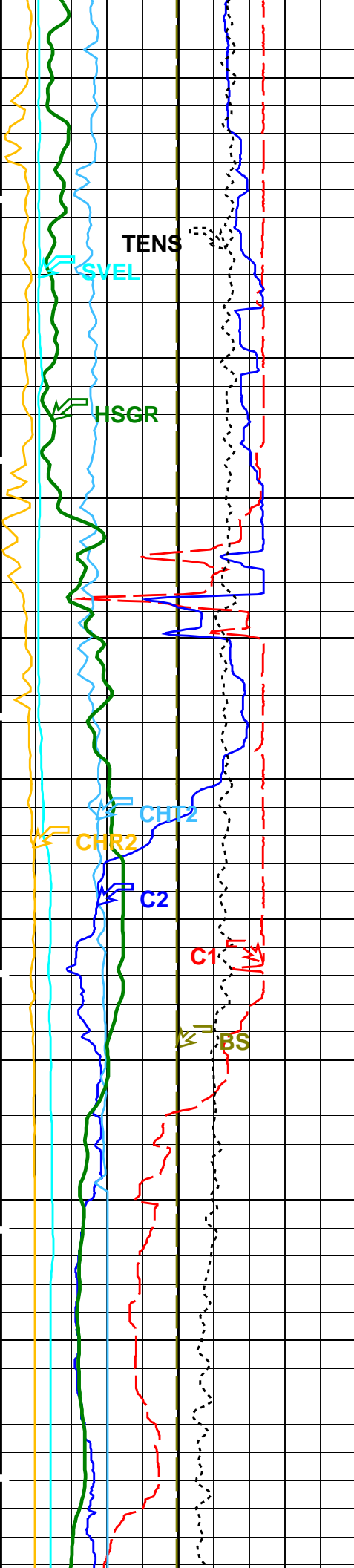


1625

1650

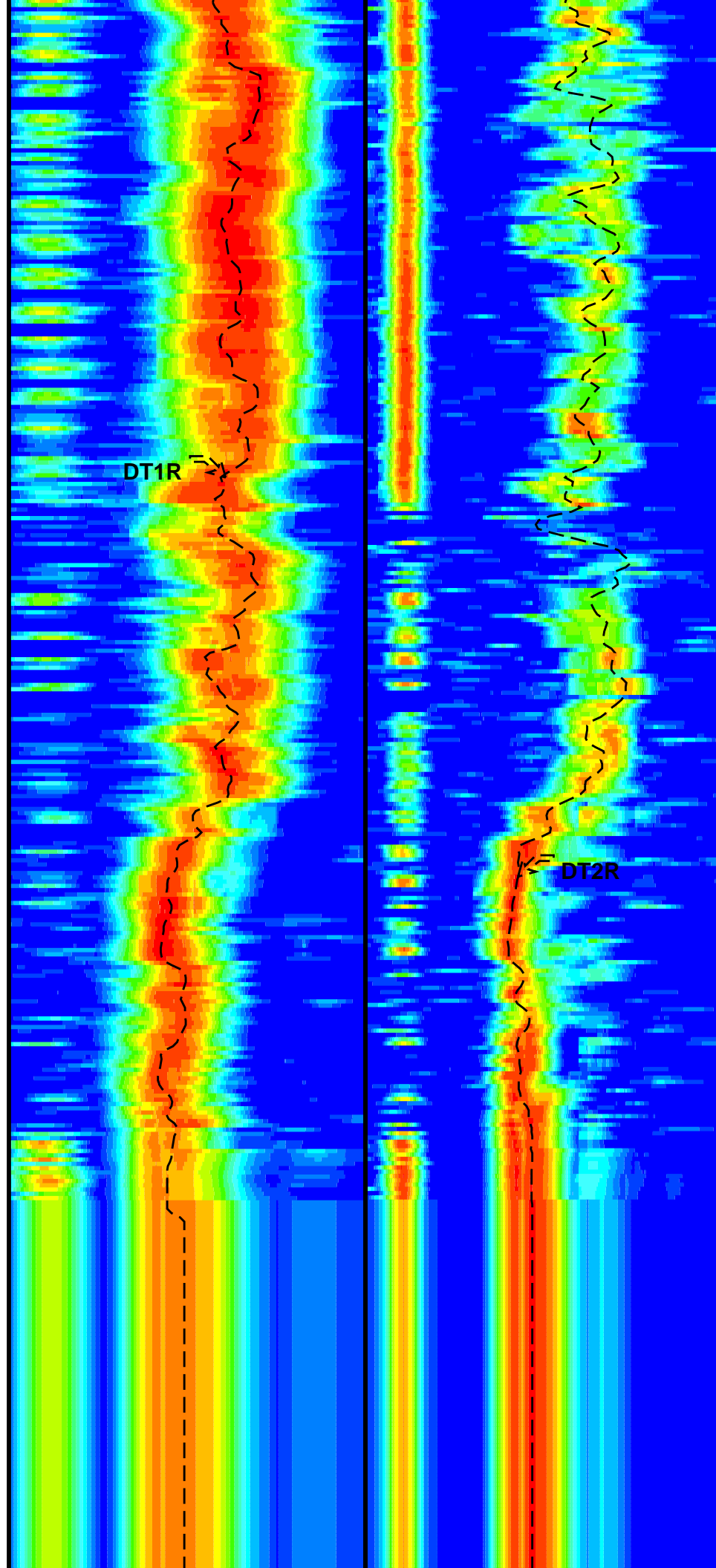
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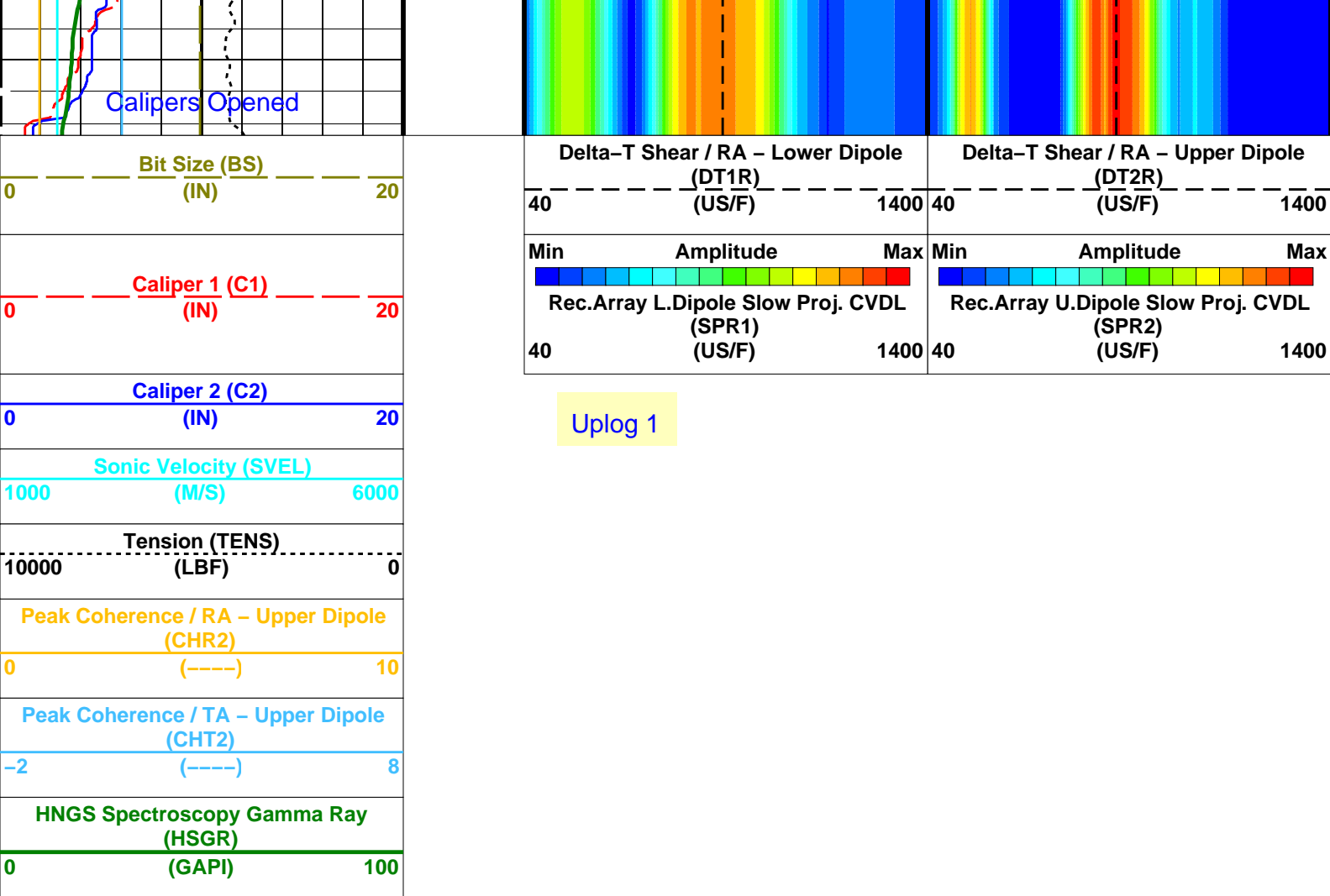




1700

1725





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
DDE1	Digitizing Delay 1	0
DDE2	Digitizing Delay 2	0
DDEX	Digitizing Delay X	0
DLCS	Label Compressional Source – Dipole Shear	USE
DSHL	Label Slowness Lower Limit – Dipole Shear	400
DSHU	Label Slowness Upper Limit – Dipole Shear	1400
DSI1	Digitizer Sample Interval 1	40
DSI2	Digitizer Sample Interval 2	40
DSIX	Digitizer Sample Interval X	40
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWC2	Digitizer Word Count 2	512
DWCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	C1
LTXG	Lower Dipole Transmitter Geometry	156
NWI1	Number Waveform Items 1	8
NWI2	Number Waveform Items 2	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294
RX2G	Receiver 2 Geometry	300
RX3G	Receiver 3 Geometry	306
RX4G	Receiver 4 Geometry	312
RX5G	Receiver 5 Geometry	318
RX6G	Receiver 6 Geometry	324
RX7G	Receiver 7 Geometry	330
RX8G	Receiver 8 Geometry	336
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF
SAS1	STC Sonic Array Status – Lower Dipole	255

SAS2	STC Sonic Array Status – Upper Dipole	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3–1.5K	
SFM2	STC Filter – Upper Dipole	B1–2K	
SLL1	STC Slowness Lower Limit – Lower Dipole	40	US/F
SLL2	STC Slowness Lower Limit – Upper Dipole	40	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SUL1	STC Slowness Upper Limit – Lower Dipole	1400	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	1400	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TST1	STC Time Step – Lower Dipole	200	US
TST2	STC Time Step – Upper Dipole	200	US
TUL1	STC Time Upper Limit – Lower Dipole	20440	US
TUL2	STC Time Upper Limit – Upper Dipole	20440	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWD2	STC Time Width – Upper Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
HNGS–BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	–0.00214354	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.04664	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.05633	
System and Miscellaneous			
BS	Bit Size	9.875	IN

Format: UpperLowerDipole_40_1040 Vertical Scale: 1:200 Graphics File Created: 29–Jul–2021 21:09

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	DTC–H	19C0–187

Output DLIS Files

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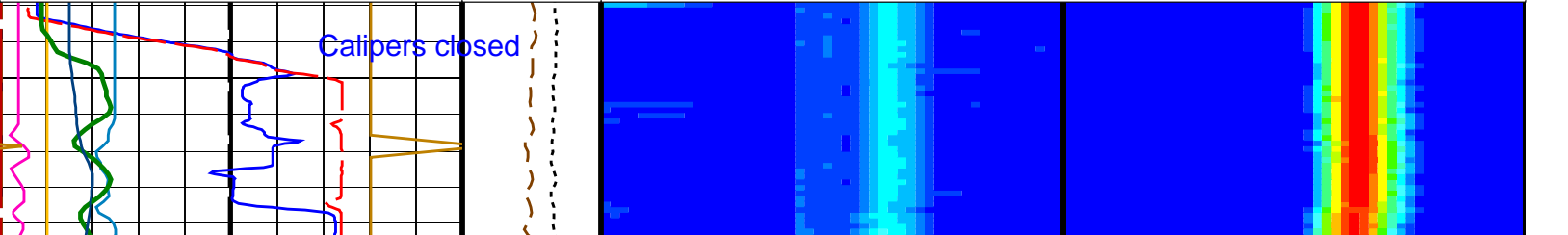
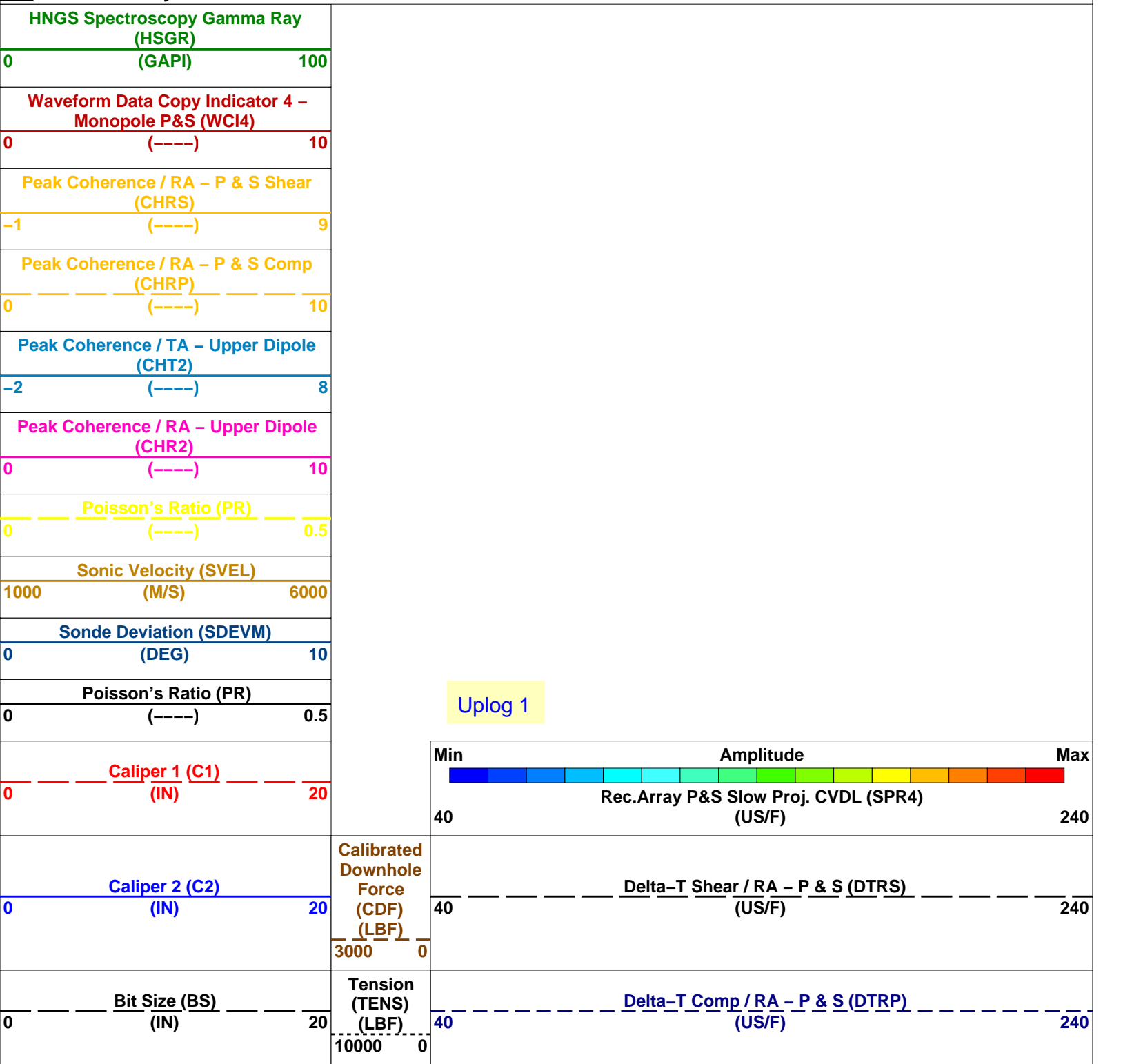
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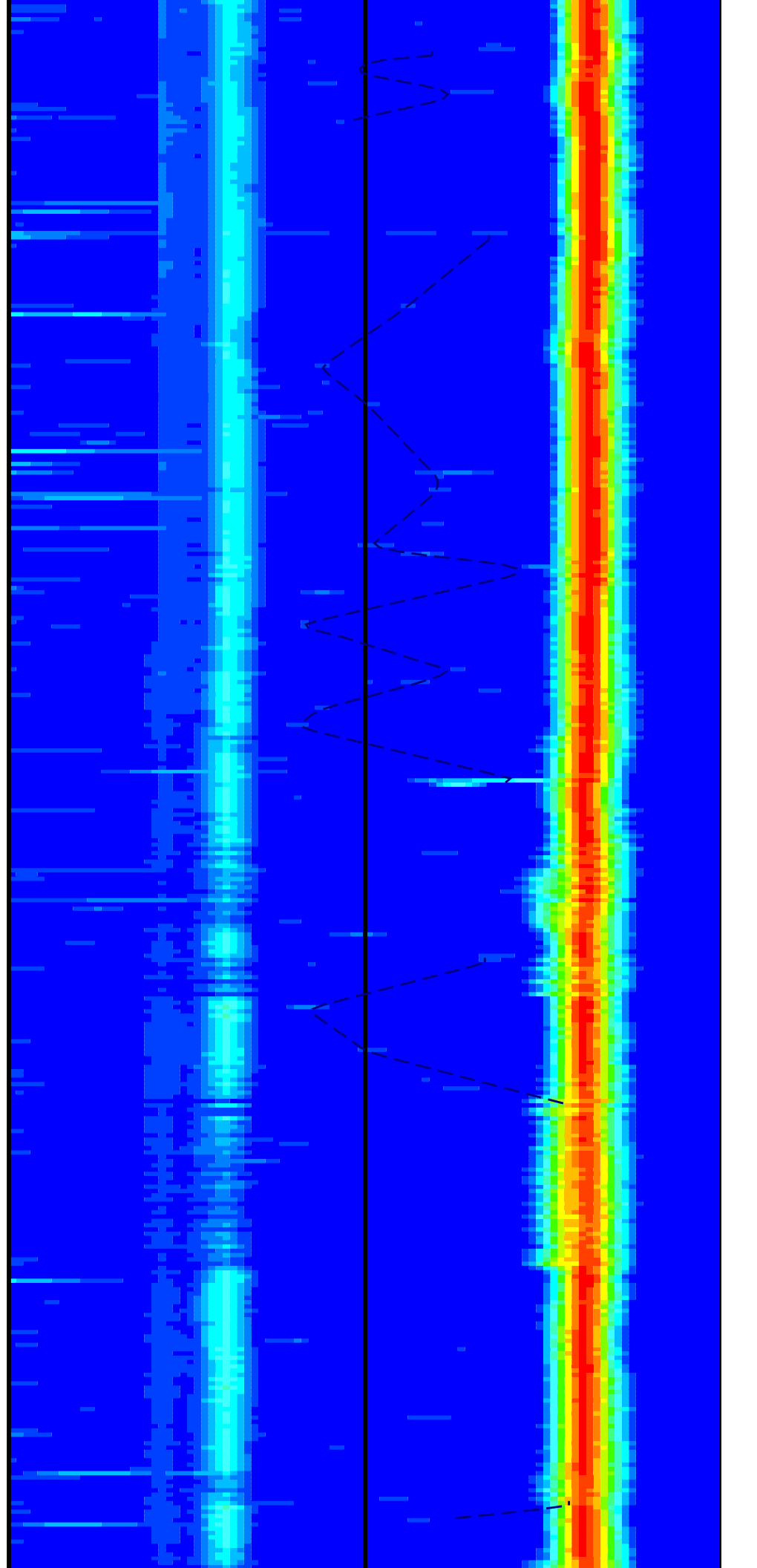
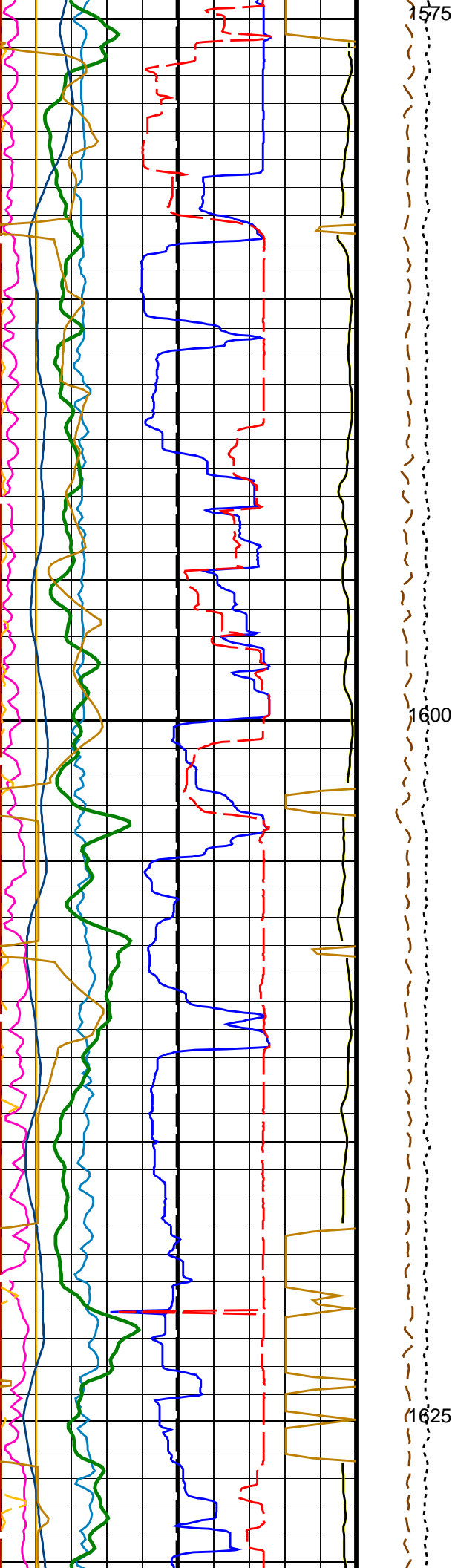
Output DLIS Files

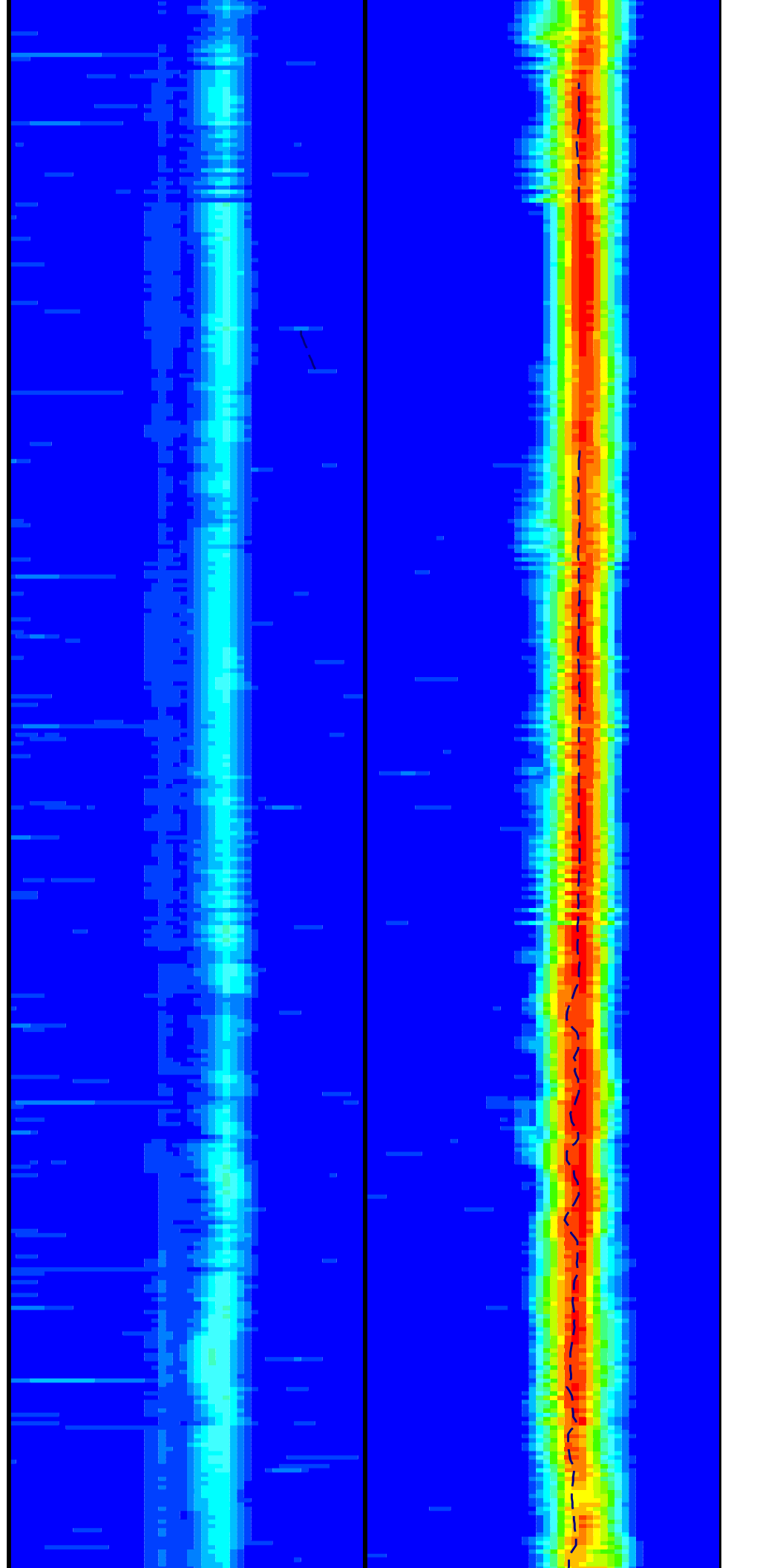
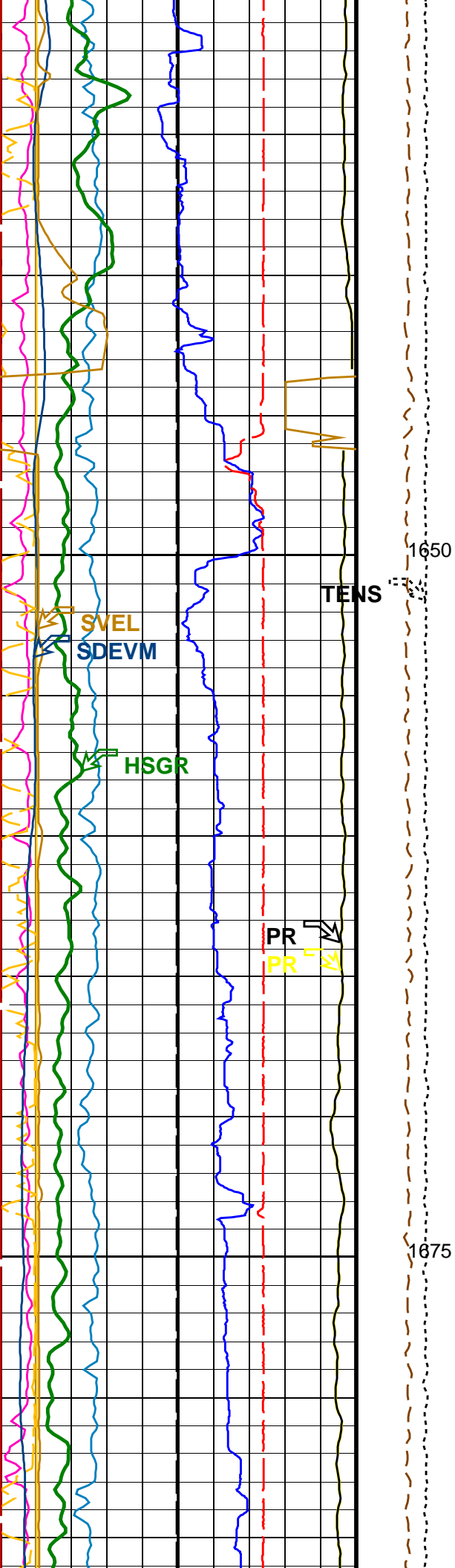
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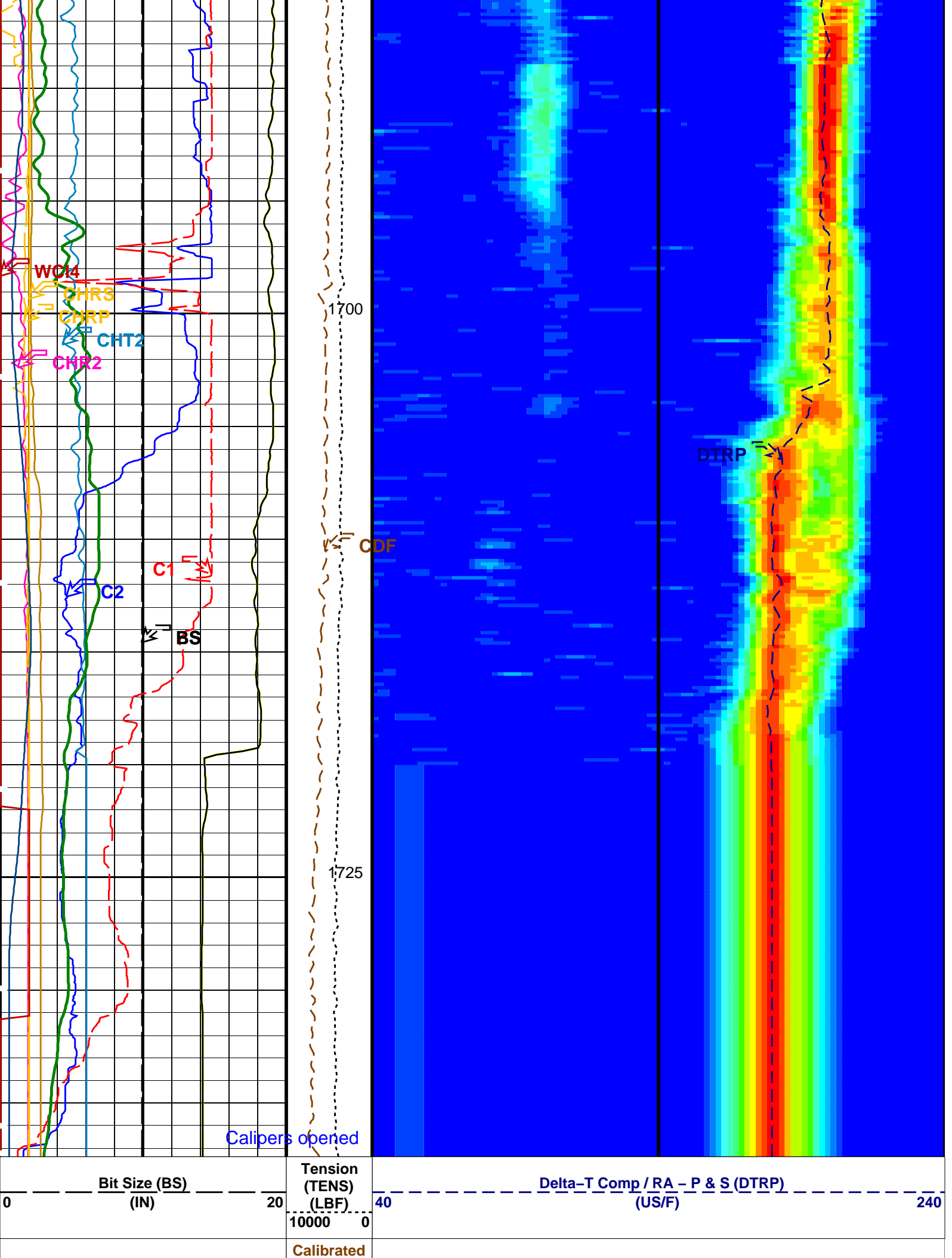
PIP SUMMARY

Time Mark Every 60 S









Caliper 2 (C2)		Downhole Force (CDF) (LBF)	Delta-T Shear / RA – P & S (DTRS)	
0	(IN)		40	240
Caliper 1 (C1)		3000	Amplitude	
0	(IN)		40	240
Poisson's Ratio (PR)		0	Rec.Array P&S Slow Proj. CVDL (SPR4)	
0	(----		40	240
Sonde Deviation (SDEVM)		0	Uplog 1	
0	(DEG)			
Sonic Velocity (SVEL)		1000		
1000	(M/S)		6000	
Poisson's Ratio (PR)		0		
0	(----		0.5	
Peak Coherence / RA – Upper Dipole (CHR2)		0		
0	(----		10	
Peak Coherence / TA – Upper Dipole (CHT2)		-2		
-2	(----		8	
Peak Coherence / RA – P & S Comp (CHRP)		0		
0	(----		10	
Peak Coherence / RA – P & S Shear (CHRS)		-1		
-1	(----		9	
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)		0		
0	(----		10	
HNGS Spectroscopy Gamma Ray (HSGR)		0		
0	(GAPI)		100	

PIP SUMMARY			
	Time Mark Every 60 S		

Parameters			
DLIS Name	Description	Value	
MEST-B: Micro Electrical Scanner – B (Slim)			
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MDEC	Magnetic Field Declination	-13.7817	DEG
DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status	OPEN	
CASF	Label Casing Function – Monopole P&S	50	
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	120	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	200	US/F
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	400	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1400	US/F
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	212	US/F
DTSS	Shear Delta-T Source for DTSM Channel	UPPER_DIPOLE	
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	

FILG	Label Fill Gap Control – Monopole P&S	COMP	
GCSE	Generalized Caliper Selection	C1	
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
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	
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	190	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	195	US/F
SLI4	STC Slowness Lower Limit – Monopole P&S	40	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
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	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	
HNGB–BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGB Detector 1 Barite Constant	1	
BAR2	HNGB Detector 2 Barite Constant	1	
BHK	HNGB Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGB Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGB Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGB Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGB Borehole Potassium Running Average	–0.00214354	
HALF	HNGB Alpha Filter Length	60	IN
HCRB	HNGB Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGB Processing Enable	YES	
S1BI	HNGB Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGB Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGB Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGB Detector 1 Variable Barite Factor Running Average	1.04664	
VBA2	HNGB Detector 2 Variable Barite Factor Running Average	1.05633	
System and Miscellaneous			
BS	Bit Size	9.875	IN

Format: DSST_P_S_Only Vertical Scale: 1:200 Graphics File Created: 29–Jul–2021 21:09

OP System Version: 19C0–187

MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	HNGC–B	19C0–187
HNGB–BA	19C0–187	DTC–H	19C0–187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_029LUP	FN:50	PRODUCER	29-Jul-2021 21:09
BACKUP	FMS_DSI_NGS_029LUP	FN:51	PRODUCER	29-Jul-2021 21:09

Company: International Ocean Discovery Program

Well: Expedition 395C, Site U1563B

Output DLIS Files

DEFAULT	FMS_DSI_NGS_029LUP	FN:50	PRODUCER	29-Jul-2021 21:09	1737.4 M	1567.9 M
BACKUP	FMS_DSI_NGS_029LUP	FN:51	PRODUCER	29-Jul-2021 21:09	1737.4 M	1567.9 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	DTC-H	19C0-187

PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)

0 (GAPI) 100

HNGS Computed Gamma Ray (HCGR)

0 (GAPI) 100

Bit Size (BS)

0 (IN) 20

Data Button 8 - Varies with RBS (U-MEST_RB8)

-80 (----) 20

Data Button 7 - Varies with RBS (U-MEST_RB7)

-70 (----) 30

Data Button 6 - Varies with RBS (U-MEST_RB6)

-60 (----) 40

Relative Bearing (RB_MEST) (DEG)

-40 360

Data Button 5 - Varies with RBS (U-MEST_RB5)

-50 (----) 50

Pad One Azimuth (P1AZ_MEST) (DEG)

-40 360

Data Button 4 - Varies with RBS (U-MEST_RB4)

-40 (----) 60

Hole Azimuth (HAZIM) (DEG)

-40 360

Data Button 3 - Varies with RBS (U-MEST_RB3)

-30 (----) 70

Deviation (DEVIM) (DEG)

0 10

Data Button 2 - Varies with RBS (U-MEST_RB2)

-20 (----) 80

Caliper 2 (C2) (IN)

0 20

EMEX Intensity (EI) (AMPS)

0 10

Data Button 1 - Varies with RBS (U-MEST_RB1)

-10 (----) 90

Caliper 1 (C1) (IN)

0 20

EMEX Voltage (EV) (V)

0 50

0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086

MEST_PADD (U-MEST_RESISTIVITY_PADD_DS) (----)

0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086

MEST_PADC (U-MEST_RESISTIVITY_PADC_DS) (----)

0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086

MEST_PADB (U-MEST_RESISTIVITY_PADB_DS) (----)

0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086

MEST_PADA (U-MEST_RESISTIVITY_PADA_DS) (----)

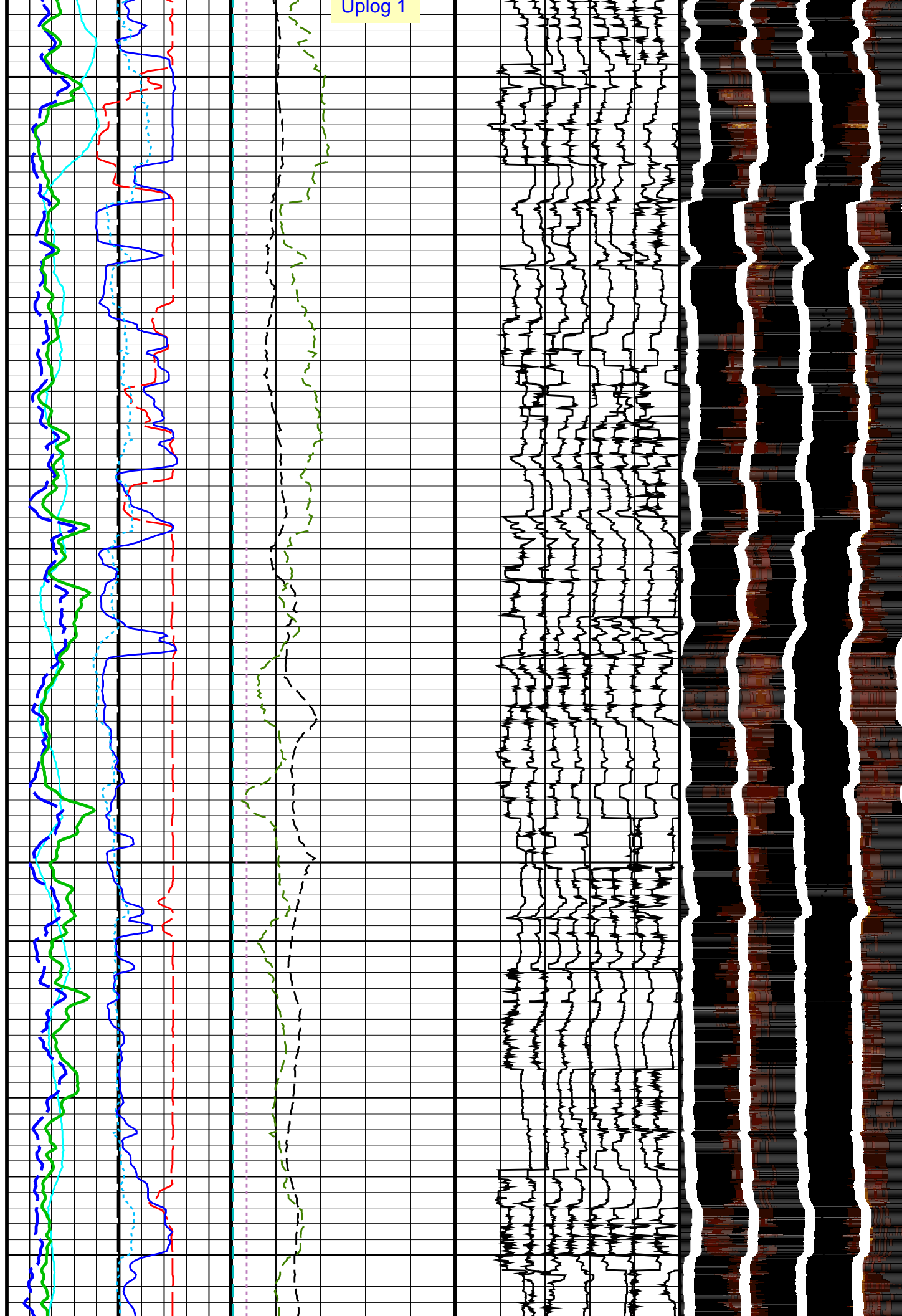
Tension (TENS) (LBF)

10000 0

Calipers closed

1600

1650



1700

Calipers opened

Uplug 1

C2

C1

BS

DEVIM

HSGR

HCGR

HAZIM

EI

EV

RB MEST

P1AZ MEST

U-MEST RB8

U-MEST RB7

U-MEST RB6

U-MEST RB5

U-MEST RB4

U-MEST RB3

U-MEST RB2

U-MEST RB1

PadB wrapped by P1AZ

PadC wrapped by P1AZ

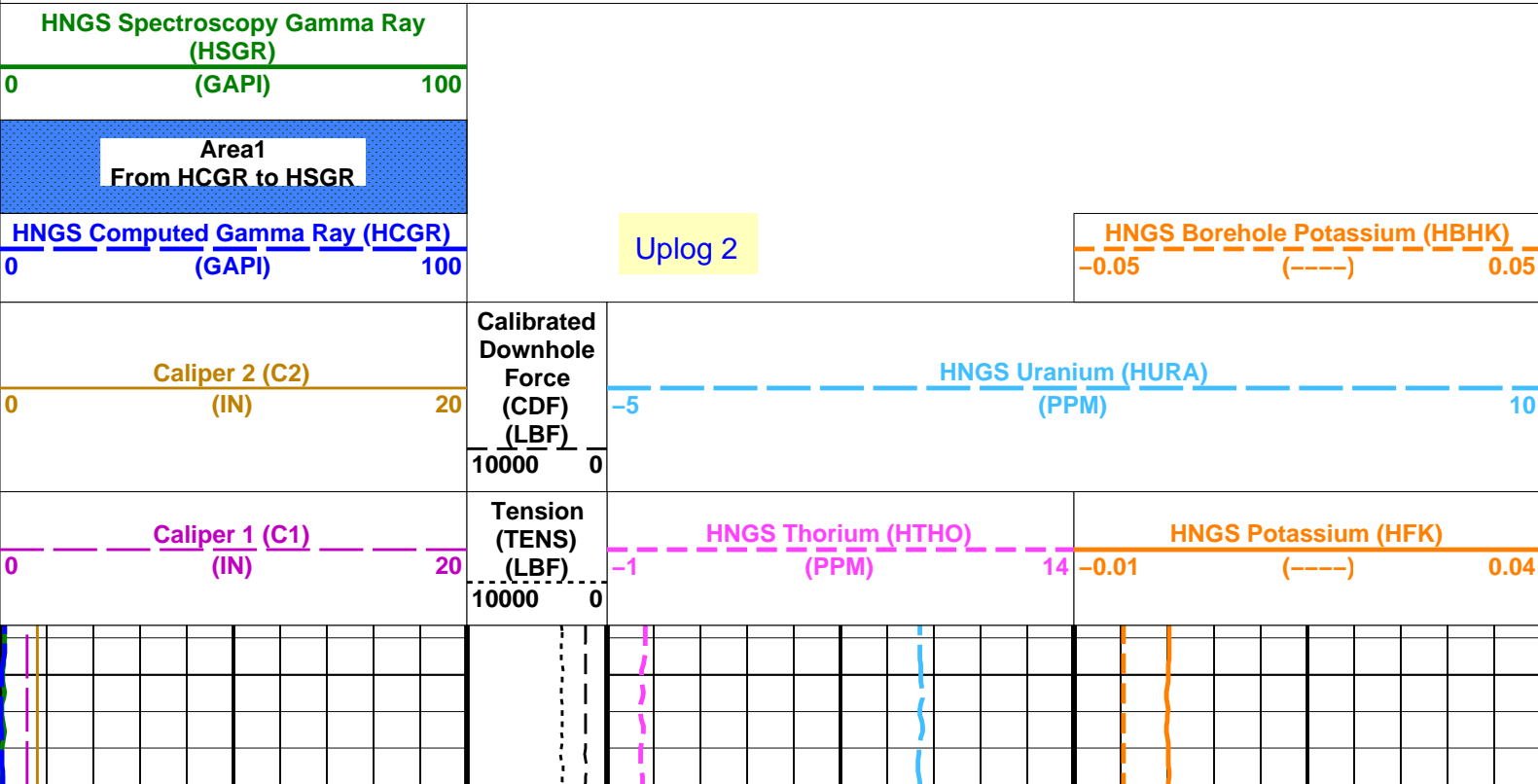
PadD wrapped by P1AZ

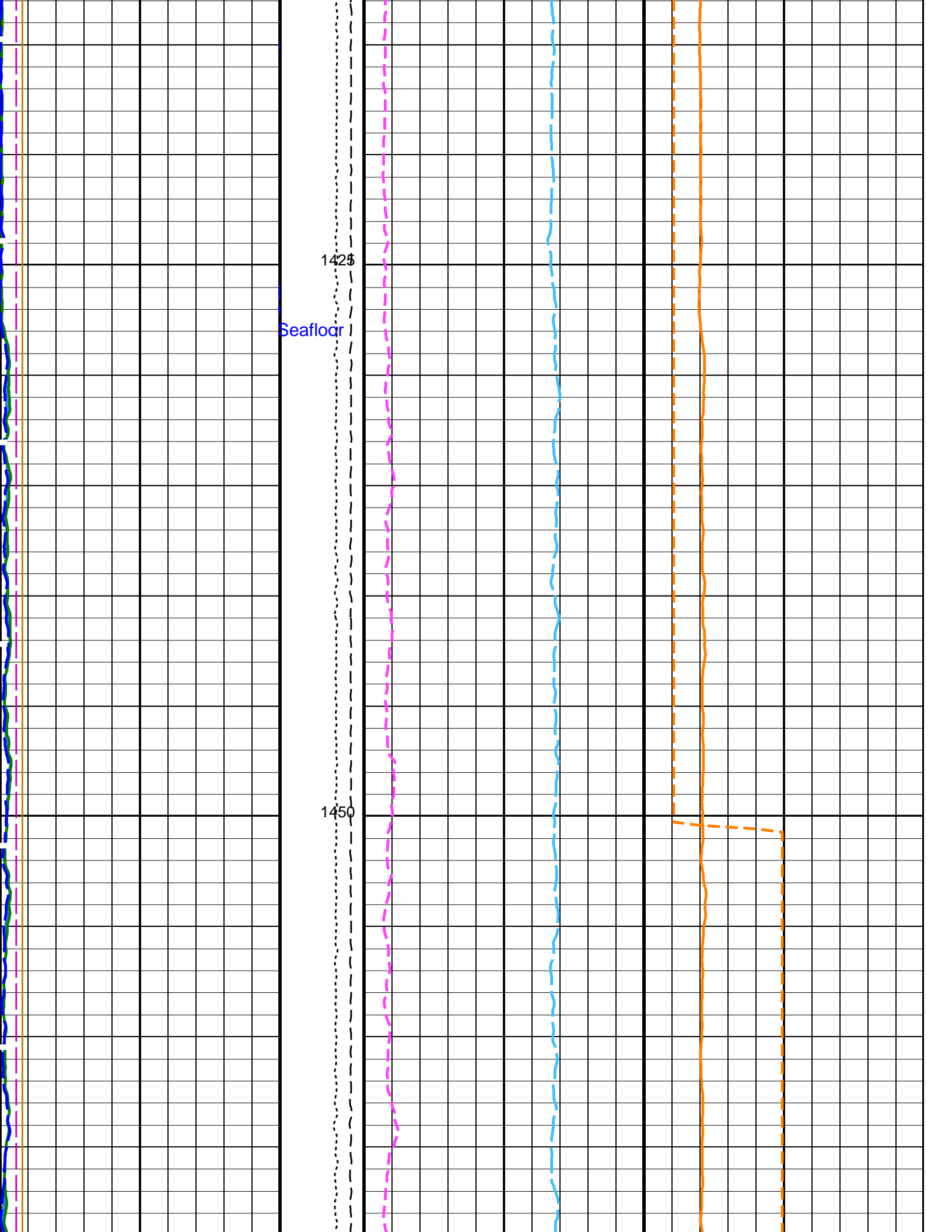
PadA wrapped by

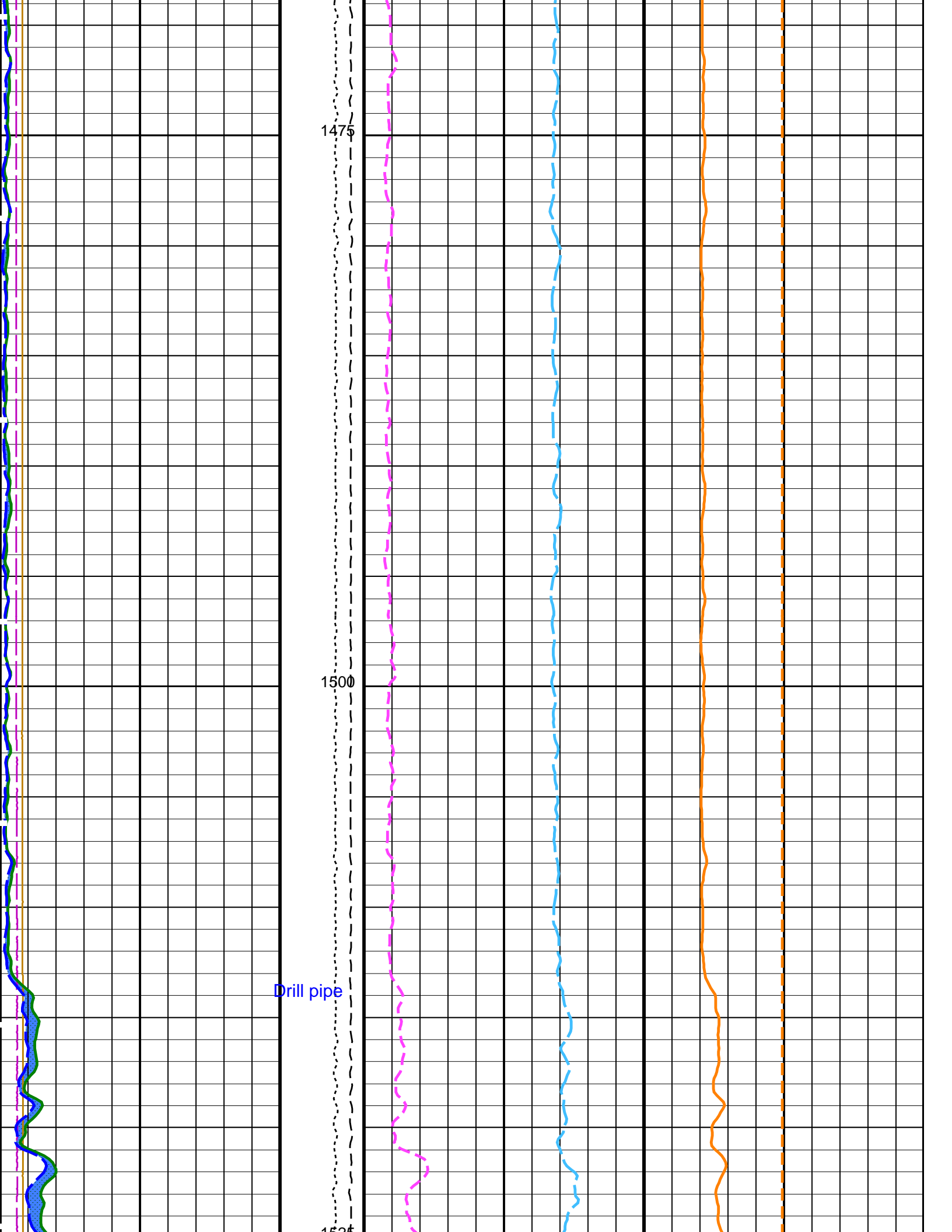
<div>Caliper 1 (C1) (IN)</div> <div>020</div>		<div>EMEX Voltage (EV) (V)</div> <div>050</div>		<div>Data Button 1 – Varies with RBS (U-MEST_RB1)</div> <div>-1090</div>		<div>Tension (TENS) (LBF)</div> <div>100000</div>	
<div>Caliper 2 (C2) (IN)</div> <div>020</div>		<div>EMEX Intensity (EI) (AMPS)</div> <div>010</div>		<div>Data Button 2 – Varies with RBS (U-MEST_RB2)</div> <div>-2080</div>		<div><div>0.37761.86292.45712.90273.34823.64533.94244.23944.68505.13065.42776.02186.61597.65579.451712.4086</div><div>MEST_PADA (U-MEST_RESISTIVITY_PADA_DS)</div><div>(----)</div></div>	
<div>Deviation (DEVIM) (DEG)</div> <div>010</div>				<div>Data Button 3 – Varies with RBS (U-MEST_RB3)</div> <div>-3070</div>		<div><div>0.37761.86292.45712.90273.34823.64533.94244.23944.68505.13065.42776.02186.61597.65579.451712.4086</div><div>MEST_PADB (U-MEST_RESISTIVITY_PADB_DS)</div><div>(----)</div></div>	
<div>Hole Azimuth (HAZIM) (DEG)</div> <div>-40360</div>				<div>Data Button 4 – Varies with RBS (U-MEST_RB4)</div> <div>-4060</div>		<div><div>0.37761.86292.45712.90273.34823.64533.94244.23944.68505.13065.42776.02186.61597.65579.451712.4086</div><div>MEST_PADC (U-MEST_RESISTIVITY_PADC_DS)</div><div>(----)</div></div>	
<div>Pad One Azimuth (P1AZ_MEST) (DEG)</div> <div>-40360</div>				<div>Data Button 5 – Varies with RBS (U-MEST_RB5)</div> <div>-5050</div>		<div><div>0.37761.86292.45712.90273.34823.64533.94244.23944.68505.13065.42776.02186.61597.65579.451712.4086</div><div>MEST_PADD (U-MEST_RESISTIVITY_PADD_DS)</div><div>(----)</div></div>	
<div>Relative Bearing (RB_MEST) (DEG)</div> <div>-40360</div>				<div>Data Button 6 – Varies with RBS (U-MEST_RB6)</div> <div>-6040</div>			
<div>Bit Size (BS) (IN)</div> <div>020</div>				<div>Data Button 7 – Varies with RBS (U-MEST_RB7)</div> <div>-7030</div>			
<div>HNGS Computed Gamma Ray (HCGR) (GAPI)</div> <div>0100</div>				<div>Data Button 8 – Varies with RBS (U-MEST_RB8)</div> <div>-8020</div>			
<div>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)</div> <div>0100</div>							

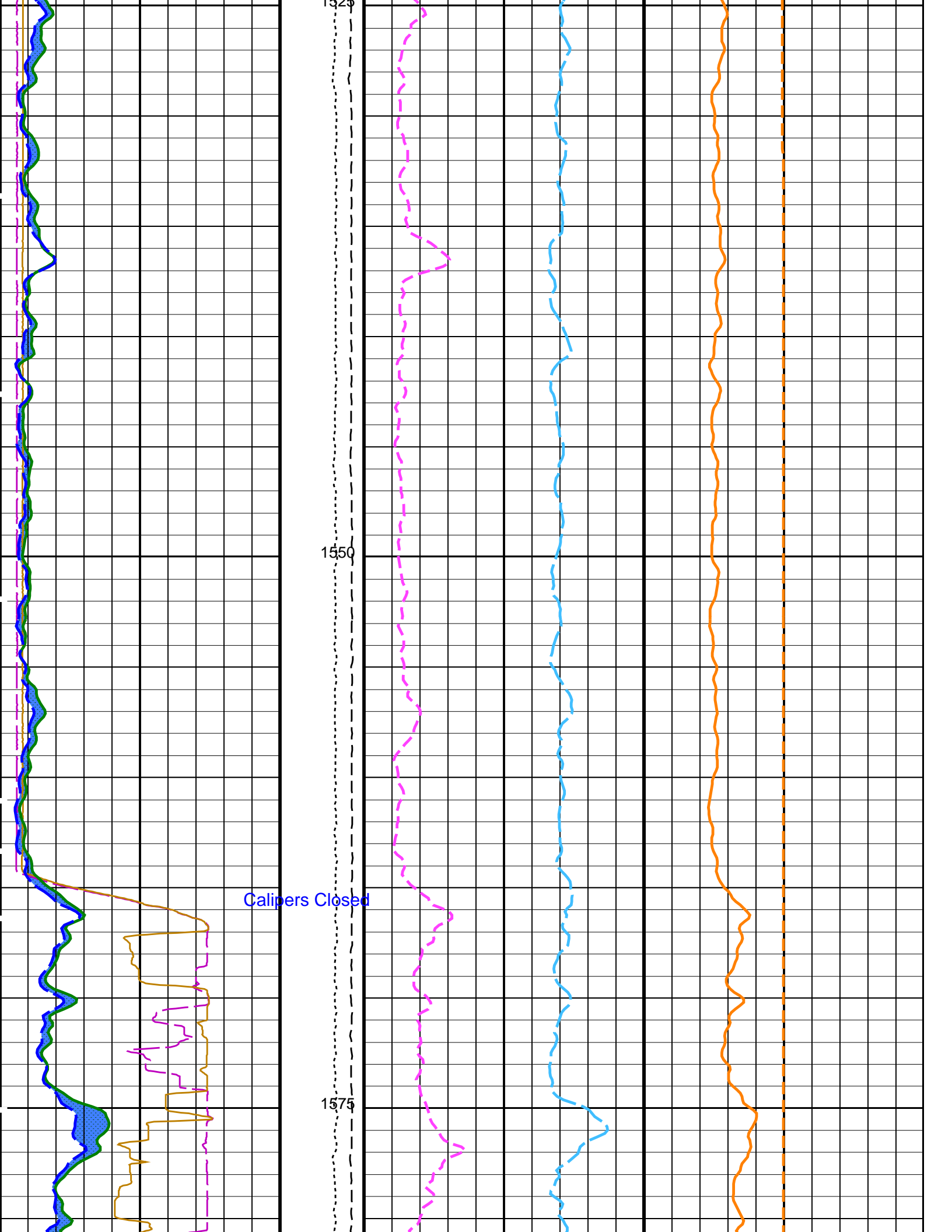
PIP SUMMARY											
Time Mark Every 60 S											

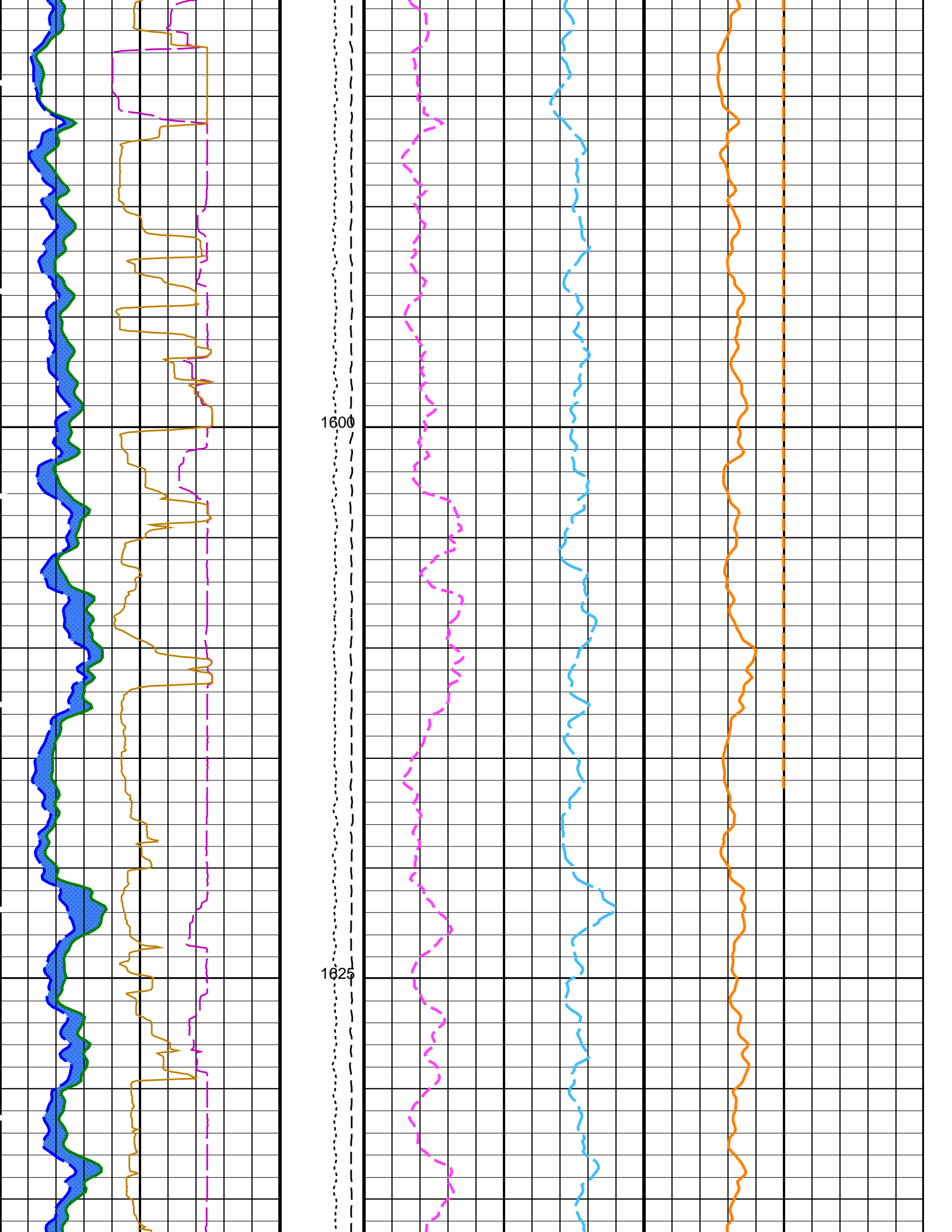
Parameters				
DLIS Name	Description	Value		
MEST-B: Micro Electrical Scanner – B (Slim)				
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE		
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION		
MDEC	Magnetic Field Declination	-13.7817	DEG	
MLM	MEST Logging Mode	SCAN1800		
RBS	Resistivity Button Selection	AUTO		
XGAI	Gain	GAIN_2		
XOFF	Offset	OFFSET_0		
DSST-B: Dipole Shear Imager – B				
BHS	Borehole Status	OPEN		
GCSE	Generalized Caliper Selection	C1		
HNGS-BA: Hostile Natural Gamma Ray Sonde				
BAR1	HNGS Detector 1 Barite Constant	1		
BAR2	HNGS Detector 2 Barite Constant	1		
BHK	HNGS Borehole Potassium Correction Concentration	0		
BHS	Borehole Status	OPEN		
CSD1	Inner Casing Outer Diameter	0	IN	
CSD2	Outer Casing Outer Diameter	0	IN	
CSW1	Inner Casing Weight	0	LB/F	
CSW2	Outer Casing Weight	0	LB/F	
DBCC	HNGS Barite Constant Correction Flag	NONE		
GCSE	Generalized Caliper Selection	C1		

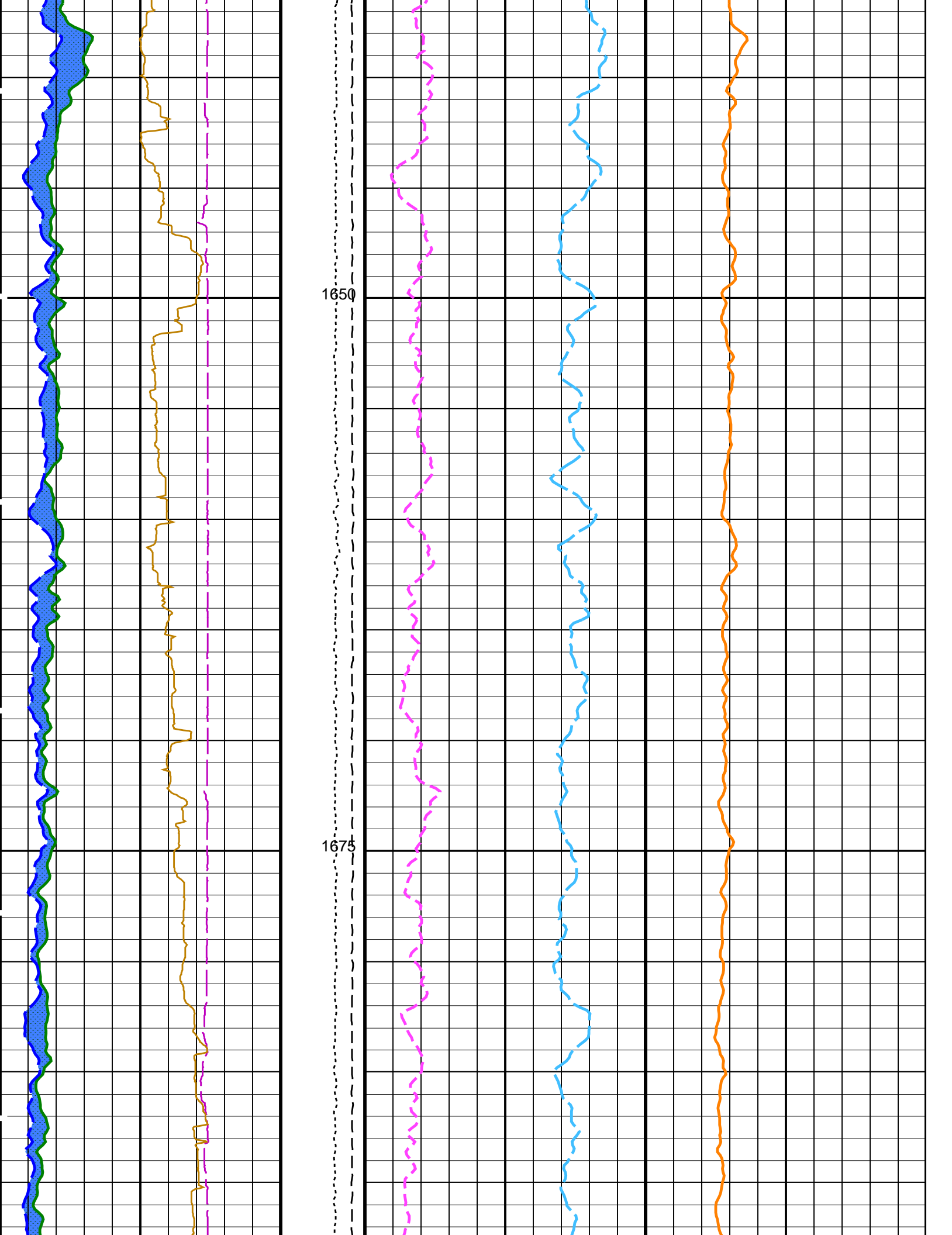


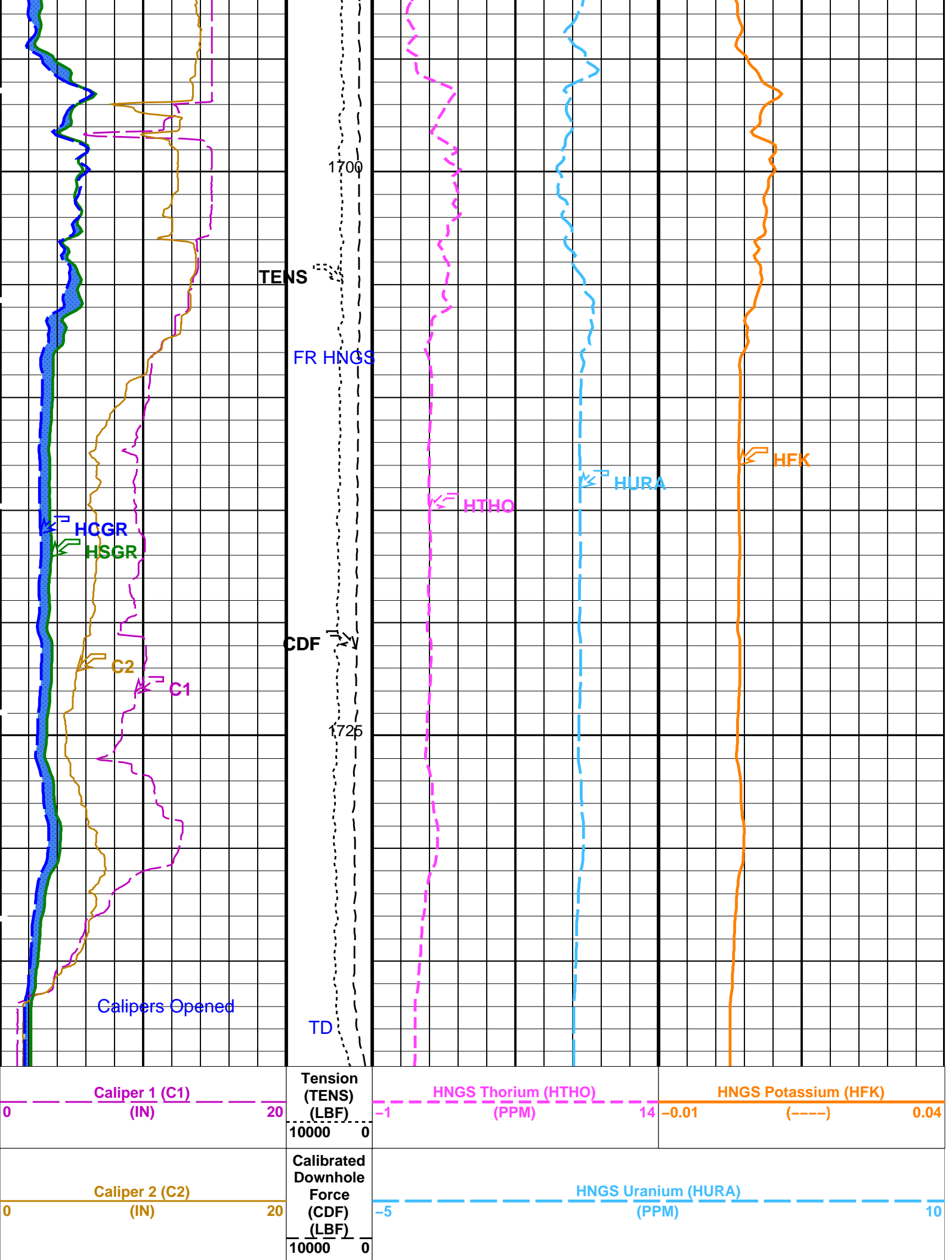












<div>HNGS Computed Gamma Ray (HCGR)</div> <div>0 (GAPI)100</div>		<div>Uplog 2</div>	<div>HNGS Borehole Potassium (HBHK)</div> <div>-0.05 (-----)0.05</div>	
<div>Area1</div> <div>From HCGR to HSGR</div>				
<div>HNGS Spectroscopy Gamma Ray (HSGR)</div> <div>0 (GAPI)100</div>				

PIP SUMMARY				
<div>Time Mark Every 60 S</div>				

Parameters				
DLIS Name	Description	Value		
DSST-B: Dipole Shear Imager – B				
BHS	Borehole Status	OPEN		
GCSE	Generalized Caliper Selection	C1		
HNGS-BA: Hostile Natural Gamma Ray Sonde				
BAR1	HNGS Detector 1 Barite Constant	1		
BAR2	HNGS Detector 2 Barite Constant	1		
BHK	HNGS Borehole Potassium Correction Concentration	0		
BHS	Borehole Status	OPEN		
CSD1	Inner Casing Outer Diameter	0	IN	
CSD2	Outer Casing Outer Diameter	0	IN	
CSW1	Inner Casing Weight	0	LB/F	
CSW2	Outer Casing Weight	0	LB/F	
DBCC	HNGS Barite Constant Correction Flag	NONE		
GCSE	Generalized Caliper Selection	C1		
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW		
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW		
HABK	HNGS Borehole Potassium Running Average	0.000214845		
HALF	HNGS Alpha Filter Length	60	IN	
HCRB	HNGS Apply Borehole Potassium Correction	NONE		
HMWM	Mud Weighting Material	NATU		
HNPE	HNGS Processing Enable	YES		
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES		
TPOS	Tool Position	CENT		
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.04249		
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.05028		
System and Miscellaneous				
BS	Bit Size	9.875	IN	

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 29-Jul-2021 21:53
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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	DTC-H	19C0-187	

Output DLIS Files				
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BACKUP	FMS_DSI_NGS_030LUP	FN:53	PRODUCER	29-Jul-2021 21:53

Output DLIS Files						
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BACKUP	FMS_DSI_NGS_030LUP	FN:53	PRODUCER	29-Jul-2021 21:53	1739.6 M	1408.6 M

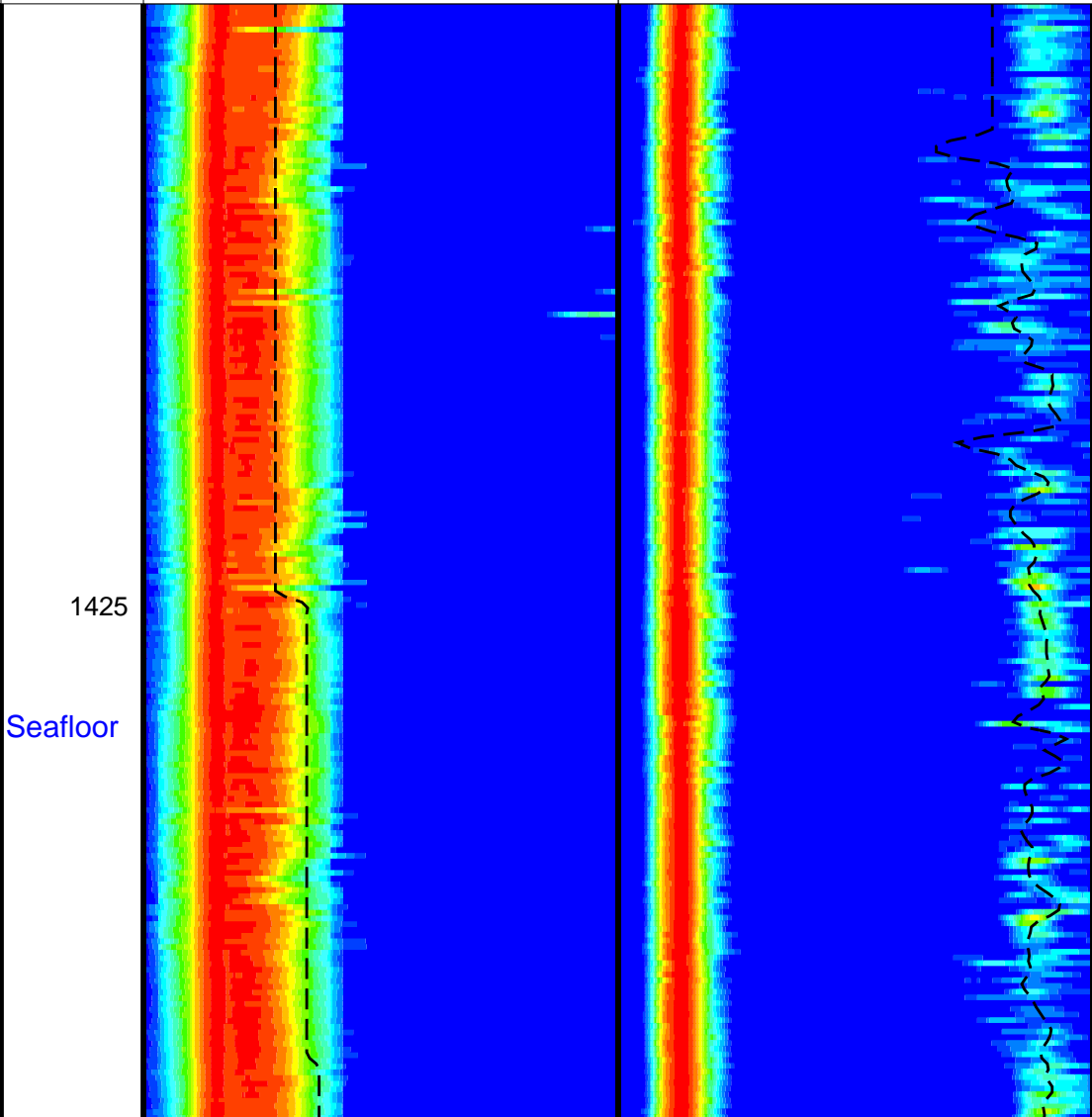
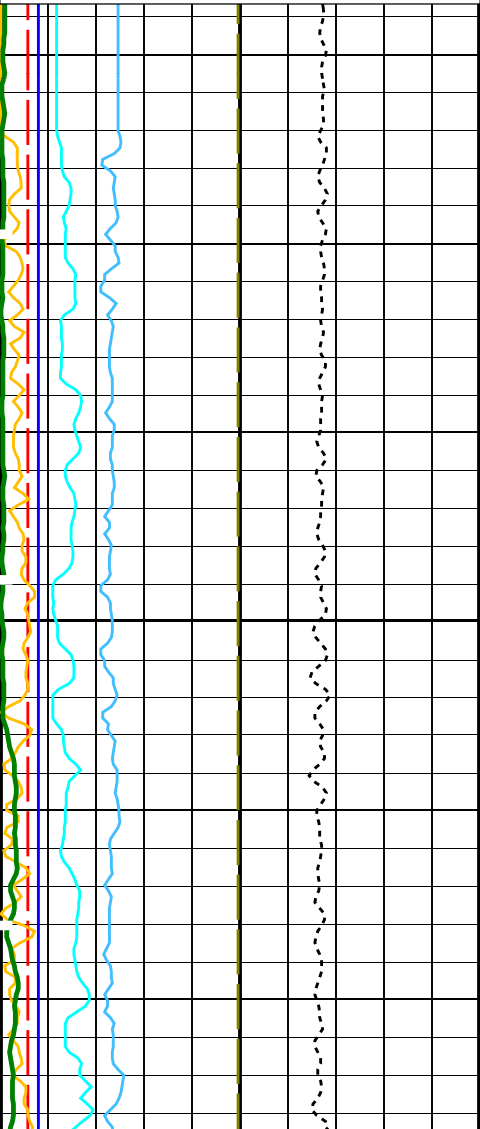
OP System Version: 19C0-187				
MEST-B	19C0-187	DTA-A	19C0-187	
DSST-B	19C0-187	HNGC-B	19C0-187	
HNGS-BA	19C0-187	DTC-H	19C0-187	

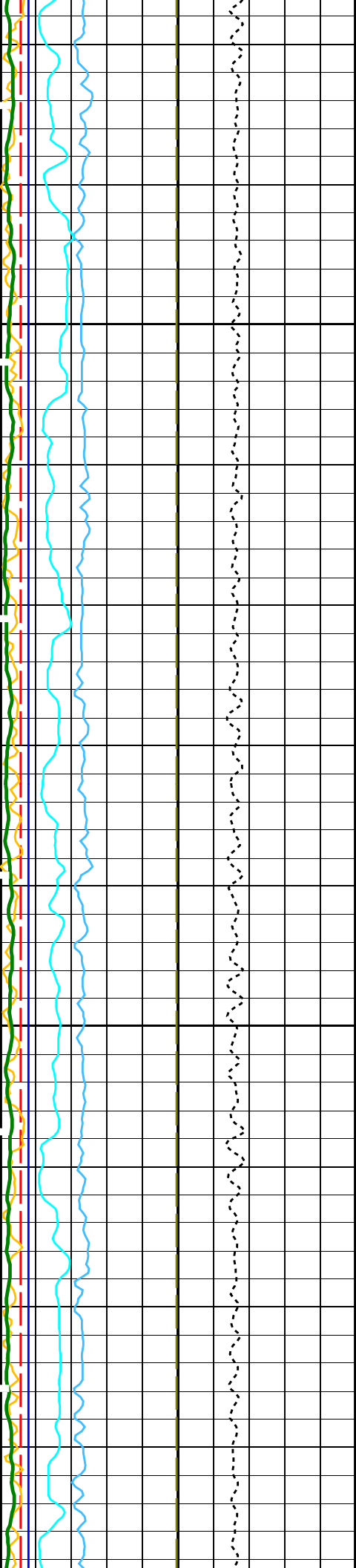
PIP SUMMARY

Time Mark Every 60 S		
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA – Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(----)	10
Tension (TENS)		
10000	(LBF)	0
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Caliper 2 (C2)		
0	(IN)	20
Caliper 1 (C1)		
0	(IN)	20
Bit Size (BS)		
0	(IN)	20

Uplog 2

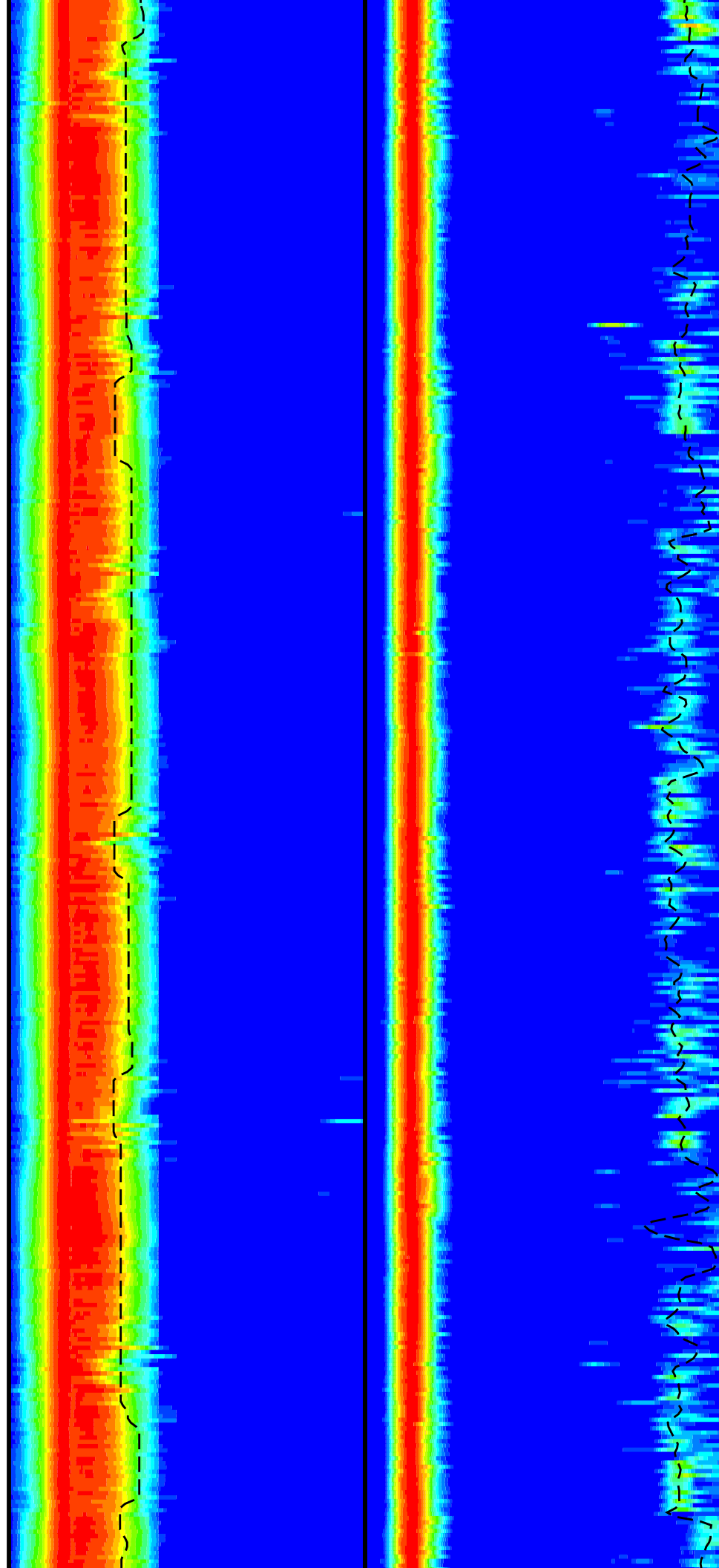
Min	Amplitude	Max	Min	Amplitude	Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)			Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)		
40		1400	40		1400
Delta-T Shear / RA – Lower Dipole (DT1R) (US/F)			Delta-T Shear / RA – Upper Dipole (DT2R) (US/F)		
40		1400	40		1400

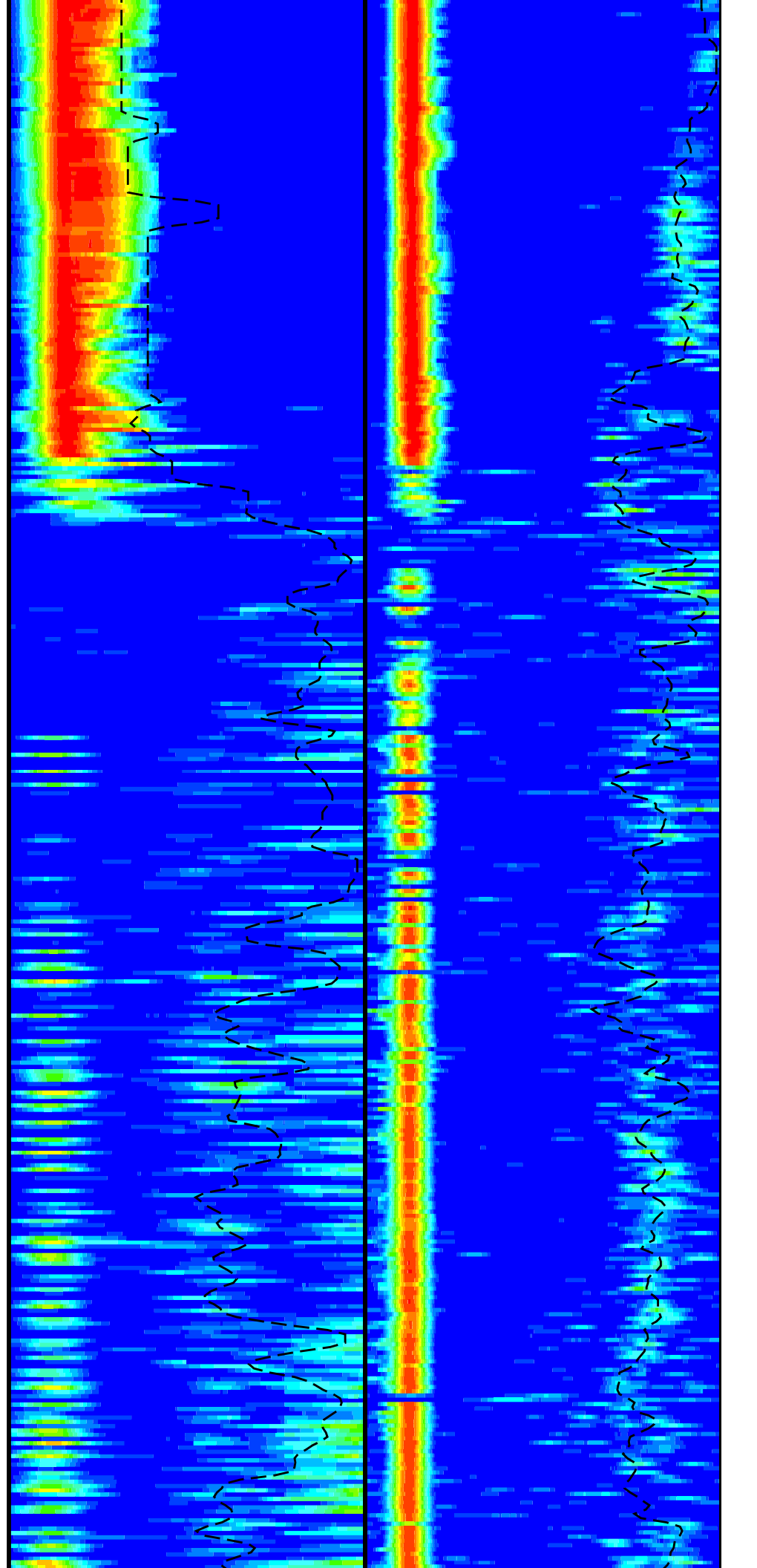
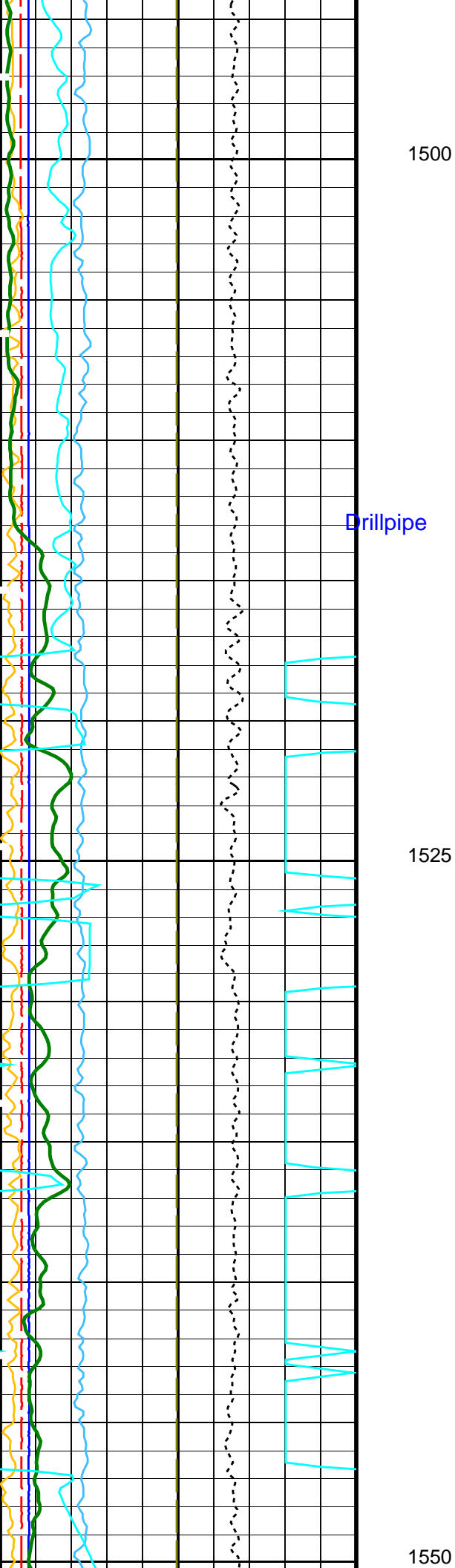


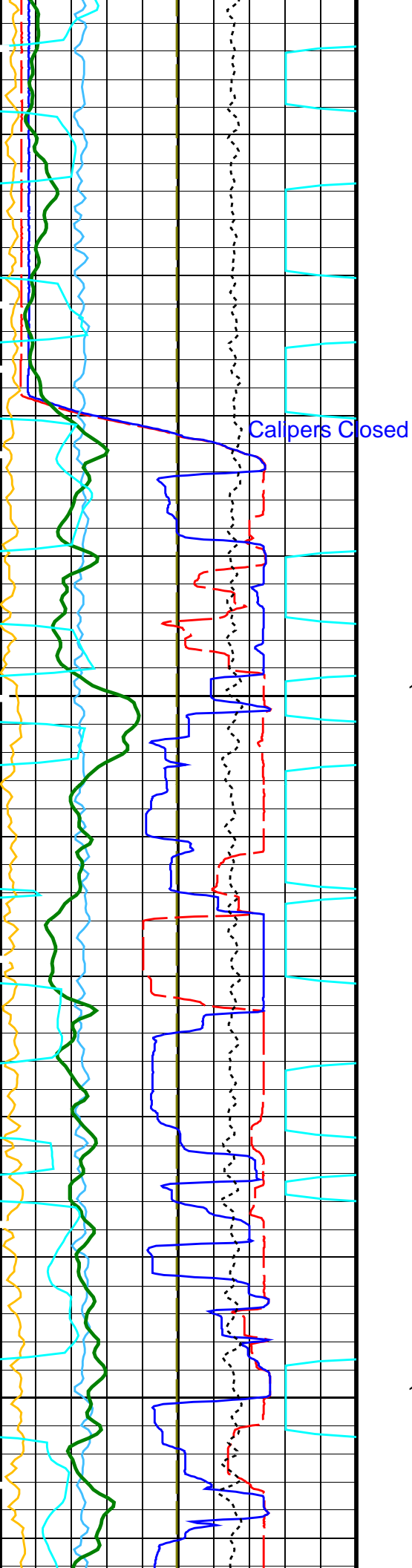


1450

1475

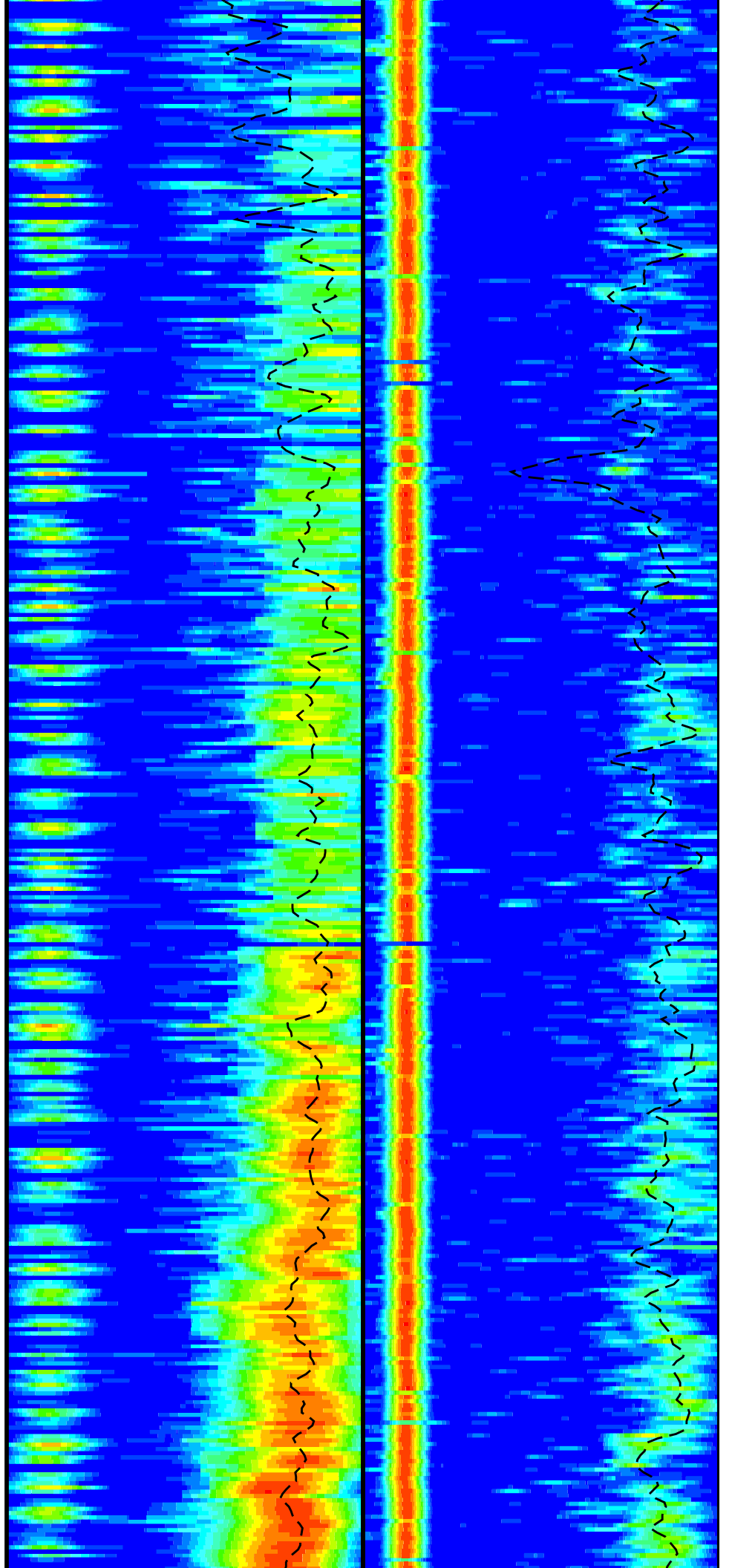


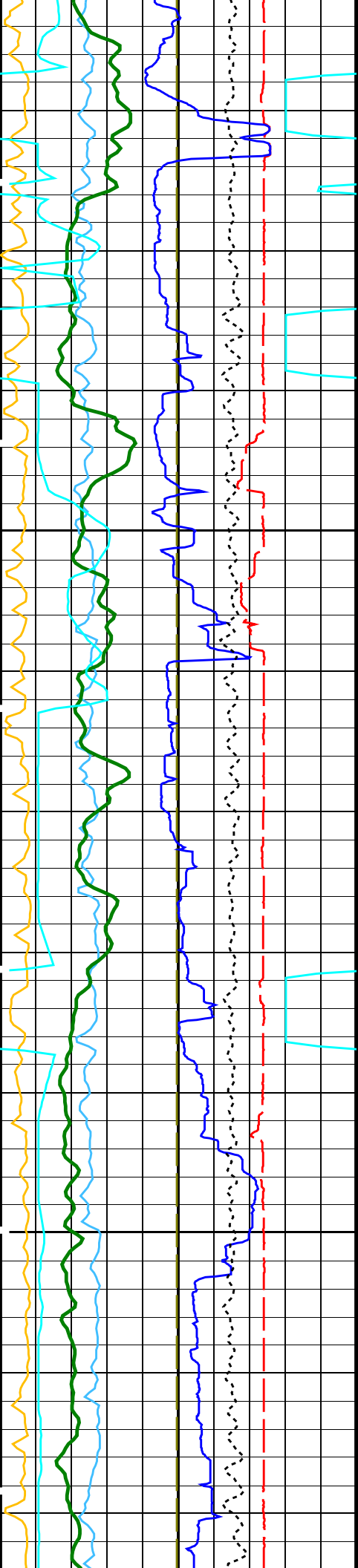




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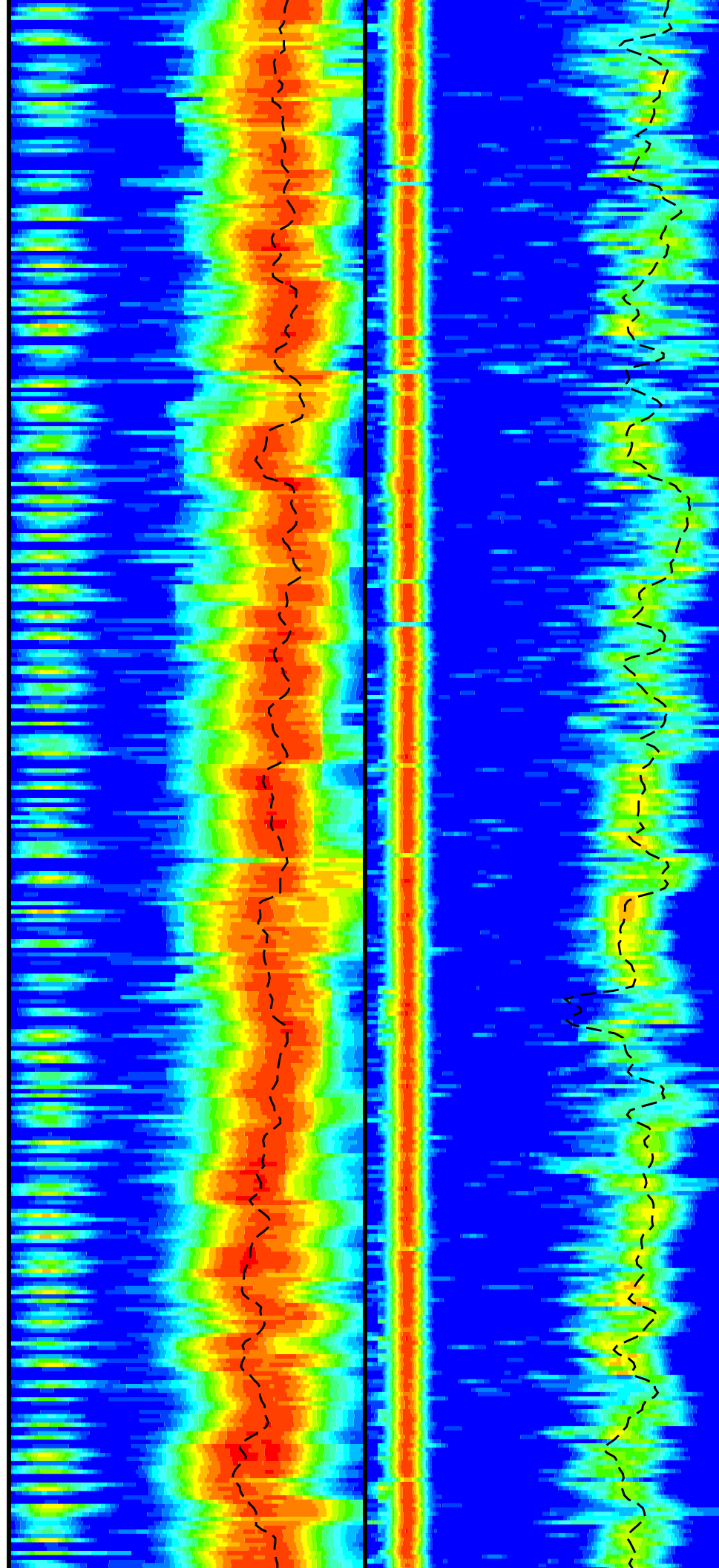
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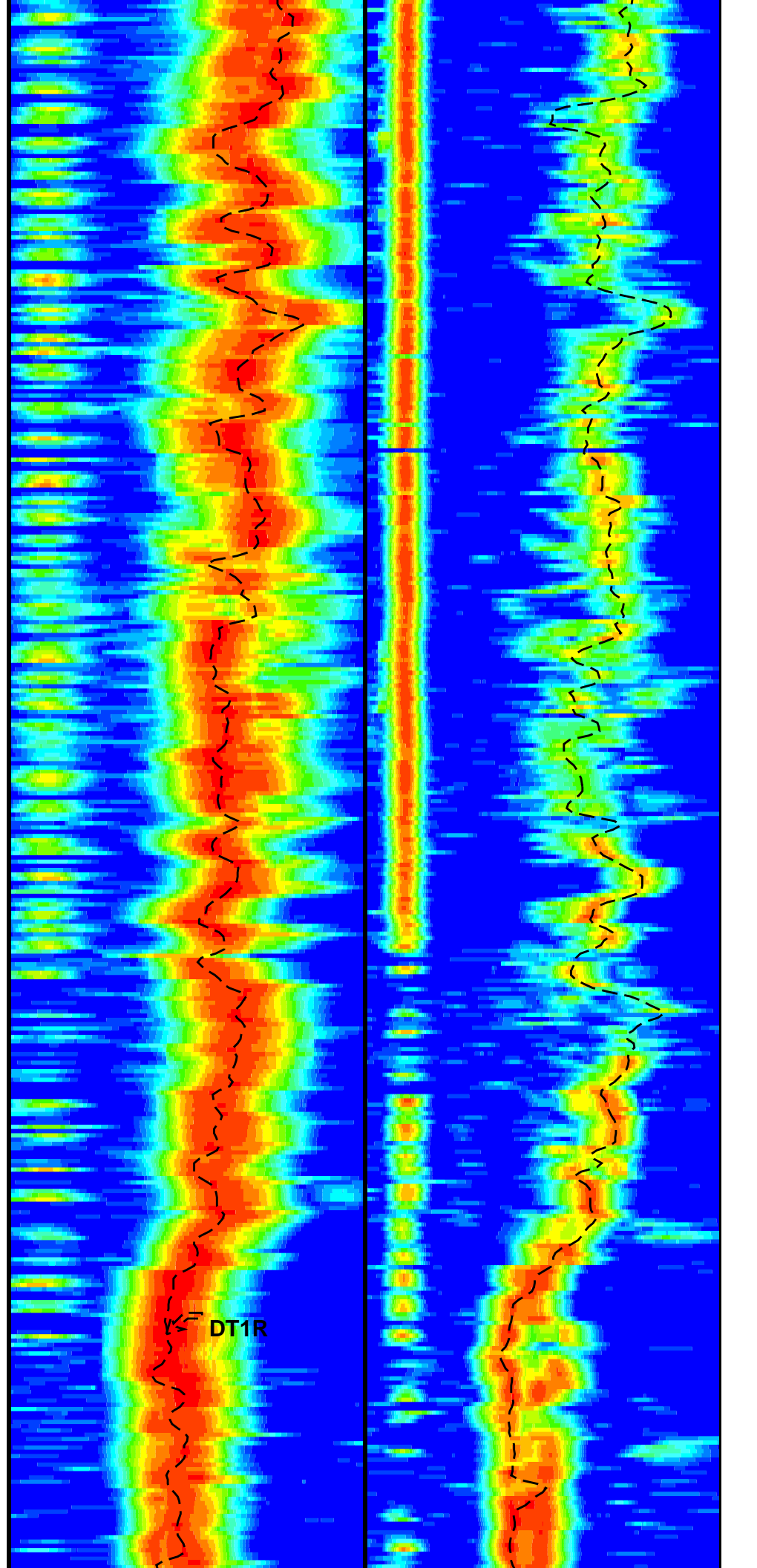
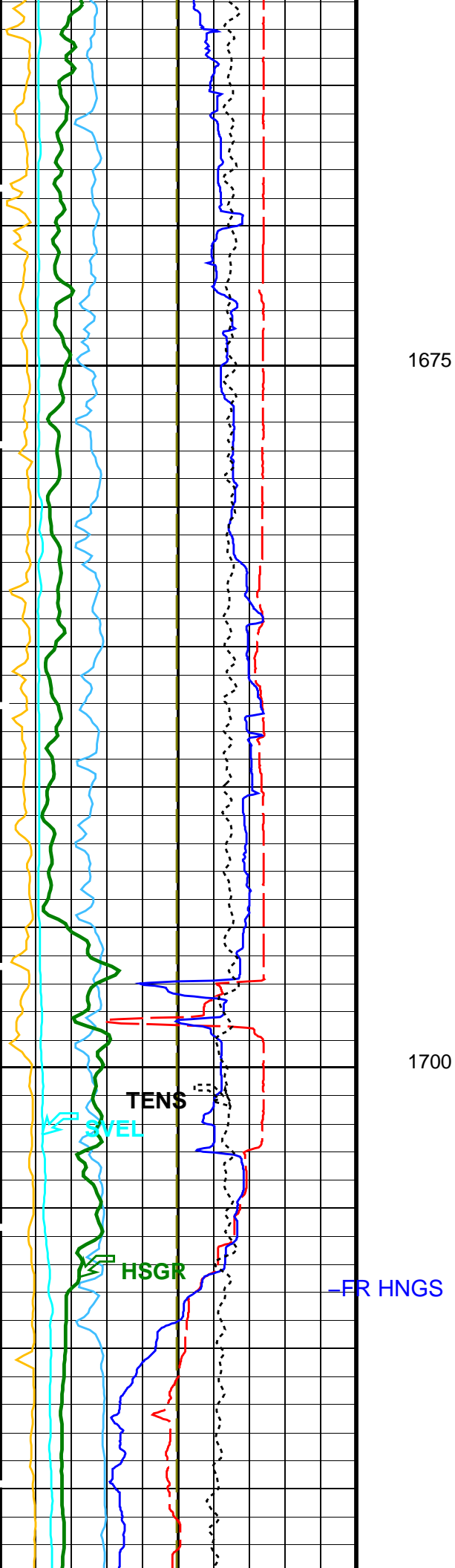


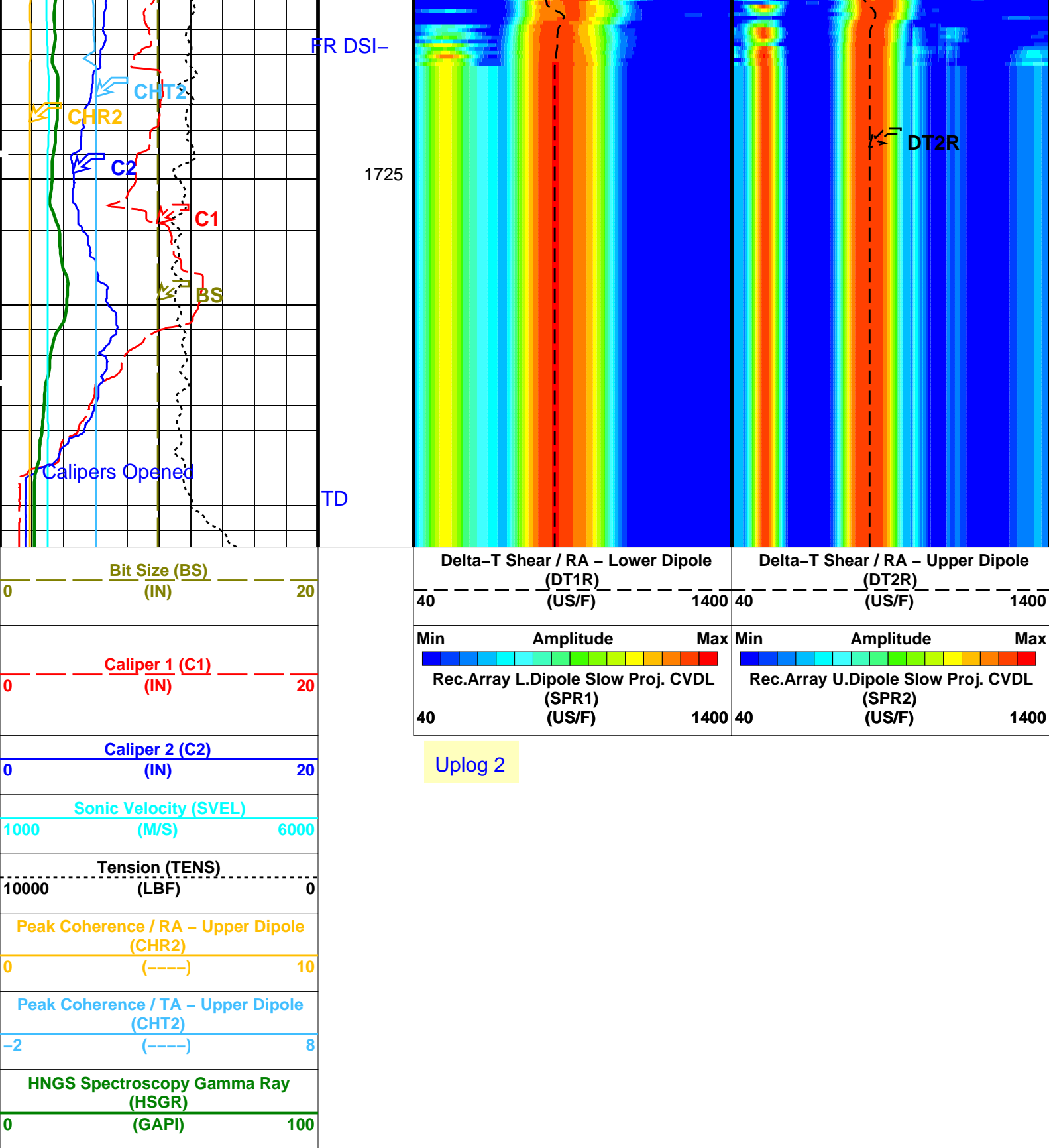


1625

1650







Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
DDE1	Digitizing Delay 1	0 US
DDE2	Digitizing Delay 2	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSUL	Label Shear Source - Lower Limit - Dipole Shear	USE

DSHL	Label Slowness Lower Limit – Dipole Shear	1400	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	40	US
DSI1	Digitizer Sample Interval 1	40	US
DSI2	Digitizer Sample Interval 2	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	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	C1	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWI2	Number Waveform Items 2	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	LFD_EVEN	
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SAS2	STC Sonic Array Status – Upper Dipole	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3–1.5K	
SFM2	STC Filter – Upper Dipole	B1–2K	
SLL1	STC Slowness Lower Limit – Lower Dipole	40	US/F
SLL2	STC Slowness Lower Limit – Upper Dipole	40	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SUL1	STC Slowness Upper Limit – Lower Dipole	1400	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	1400	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TST1	STC Time Step – Lower Dipole	200	US
TST2	STC Time Step – Upper Dipole	200	US
TUL1	STC Time Upper Limit – Lower Dipole	20440	US
TUL2	STC Time Upper Limit – Upper Dipole	20440	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWD2	STC Time Width – Upper Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
HNGB–BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGB Detector 1 Barite Constant	1	
BAR2	HNGB Detector 2 Barite Constant	1	
BHK	HNGB Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGB Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGB Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGB Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGB Borehole Potassium Running Average	0.000214845	
HALF	HNGB Alpha Filter Length	60	IN
HCRB	HNGB Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGB Processing Enable	YES	
S1BI	HNGB Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGB Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGB Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGB Detector 1 Variable Barite Factor Running Average	1.04249	
VBA2	HNGB Detector 2 Variable Barite Factor Running Average	1.05028	
System and Miscellaneous			

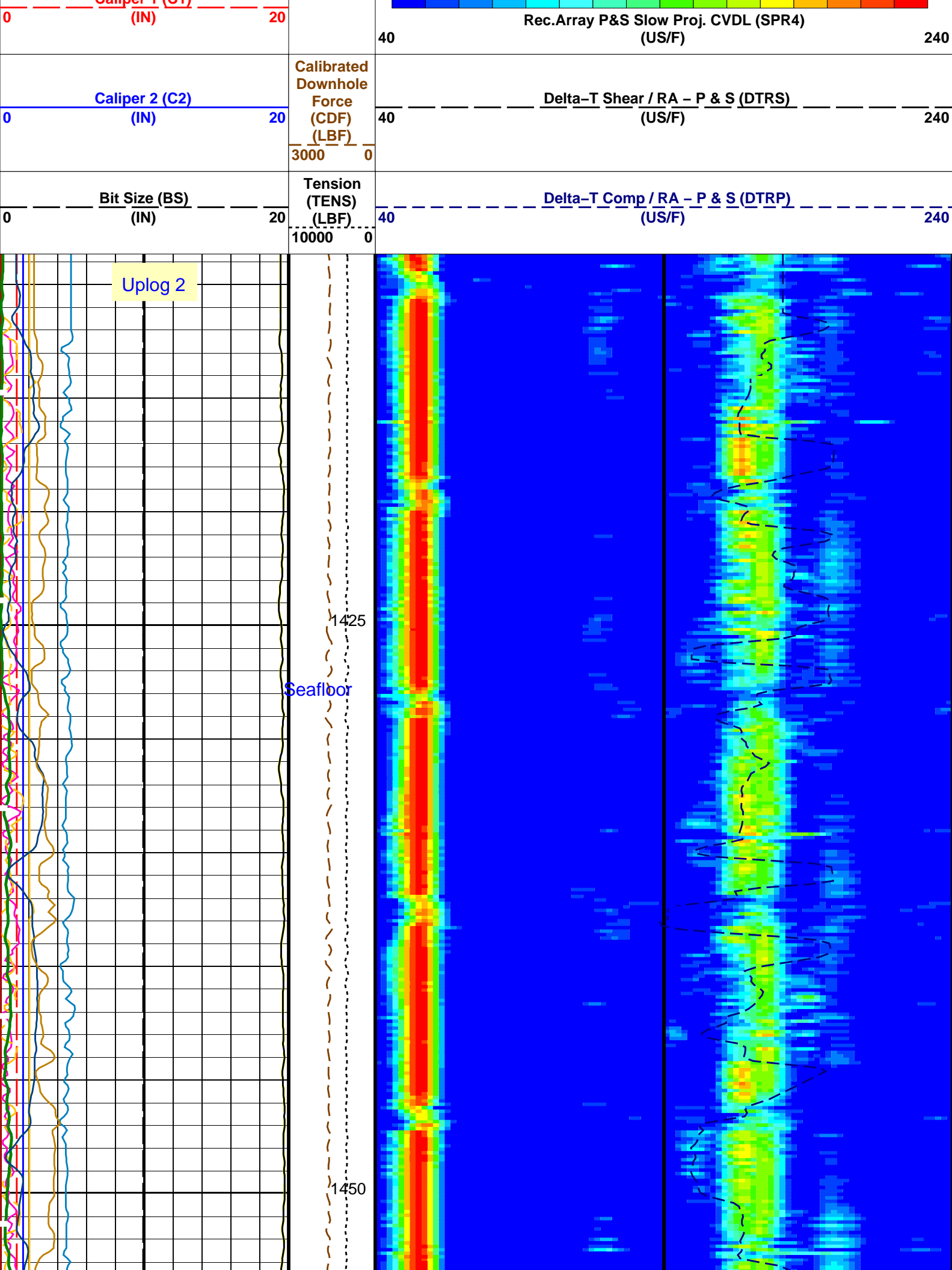
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DSST-B	19C0-187		HNGC-B	19C0-187			
HNGS-BA	19C0-187		DTC-H	19C0-187			
Output DLIS Files							
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BACKUP	FMS_DSI_NGS_030LUP	FN:53	PRODUCER	29-Jul-2021 21:53			

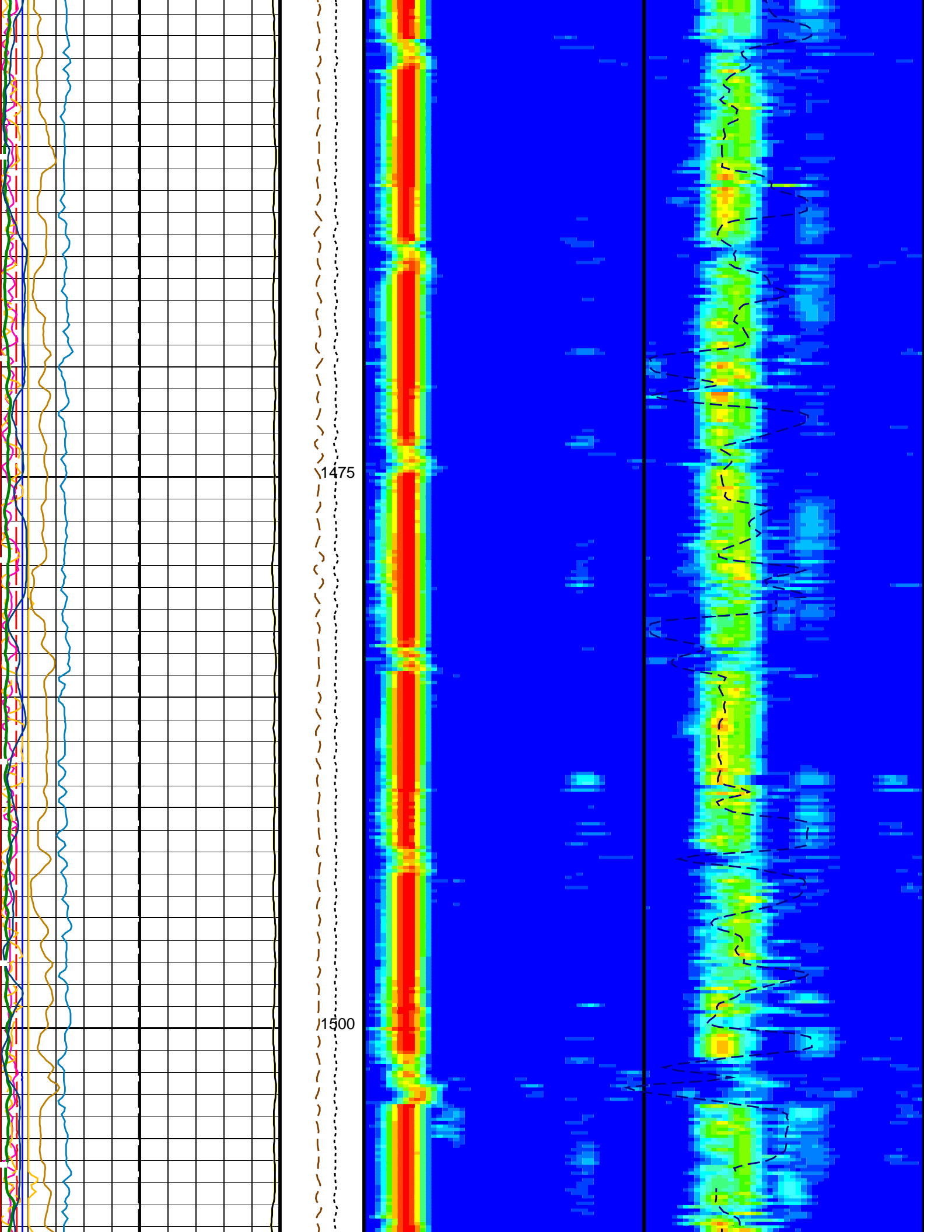
Company: International Ocean Discovery Program				Well: Expedition 395C, Site U1563B			
Output DLIS Files							
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BACKUP	FMS_DSI_NGS_030LUP	FN:53	PRODUCER	29-Jul-2021 21:53	1739.6 M	1408.6 M	
OP System Version: 19C0-187							
MEST-B	19C0-187		DTA-A	19C0-187			
DSST-B	19C0-187		HNGC-B	19C0-187			
HNGS-BA	19C0-187		DTC-H	19C0-187			

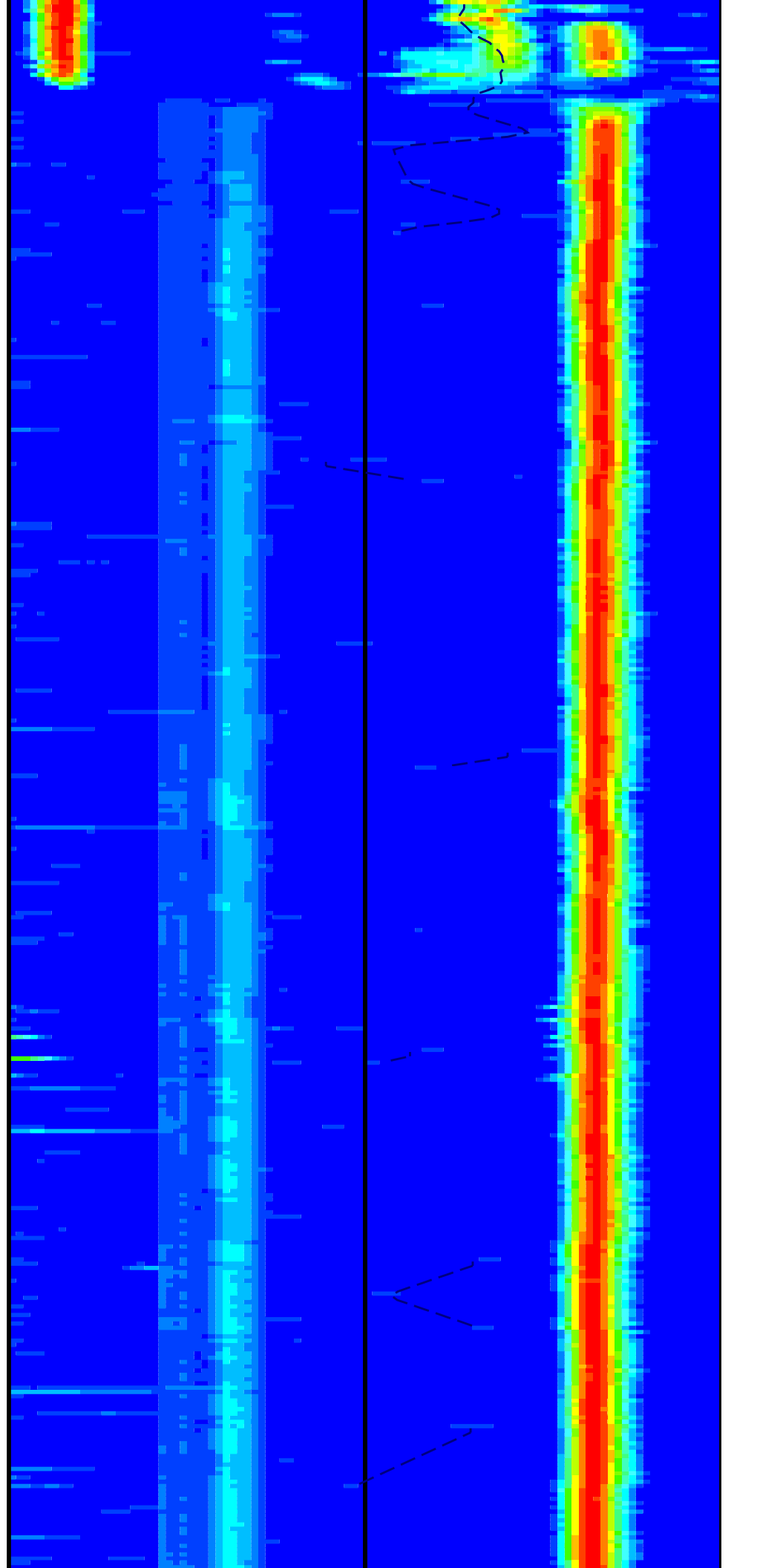
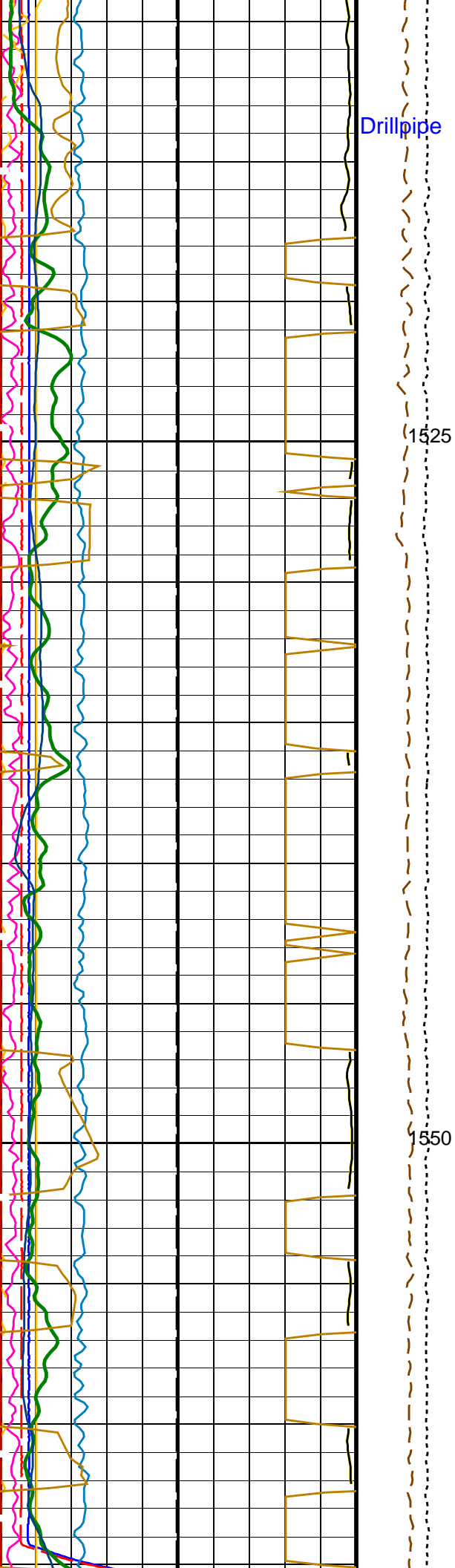
PIP SUMMARY							
Time Mark Every 60 S							

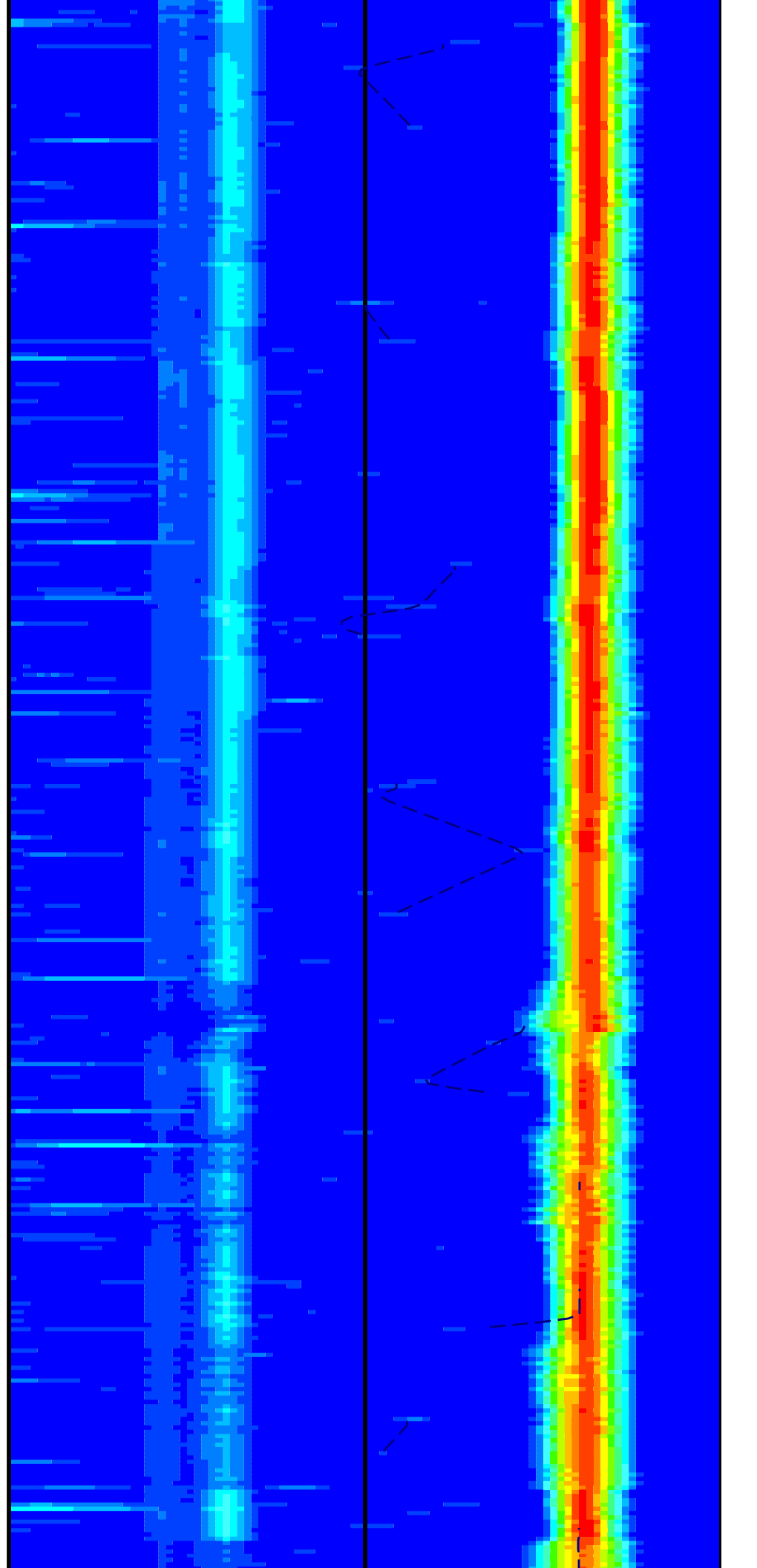
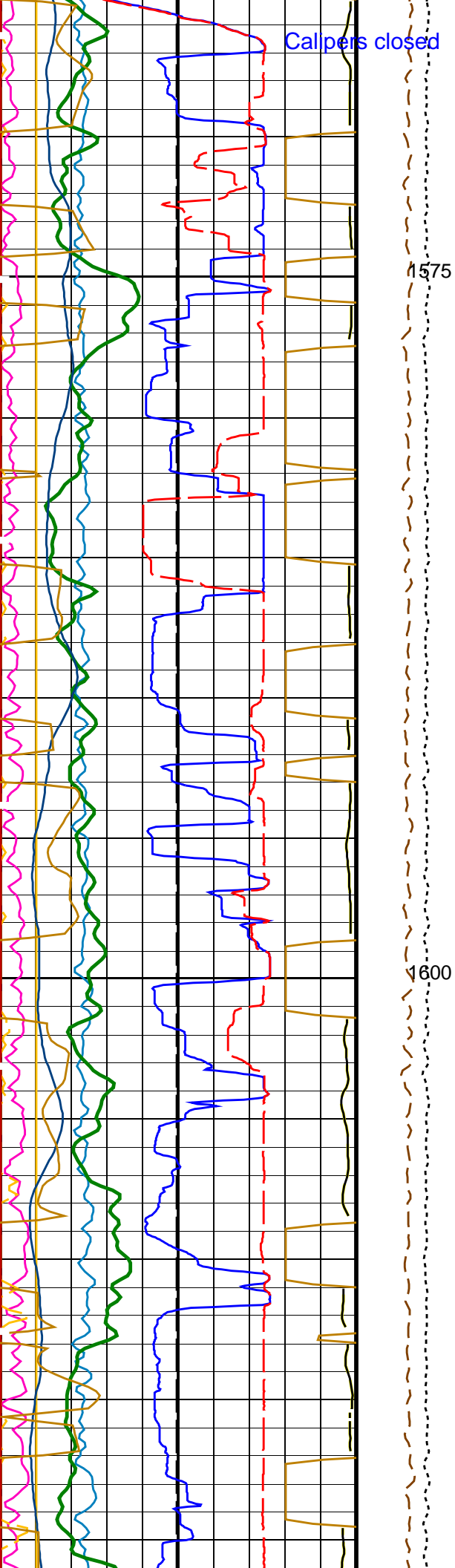
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)		
0	(----)	10
Peak Coherence / RA – P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / RA – P & S Comp (CHRP)		
0	(----)	10
Peak Coherence / TA – Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(----)	10
Poisson's Ratio (PR)		
0	(----)	0.5
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Sonde Deviation (SDEVM)		
0	(DEG)	10
Poisson's Ratio (PR)		
0	(----)	0.5
Caliper 1 (C1)		

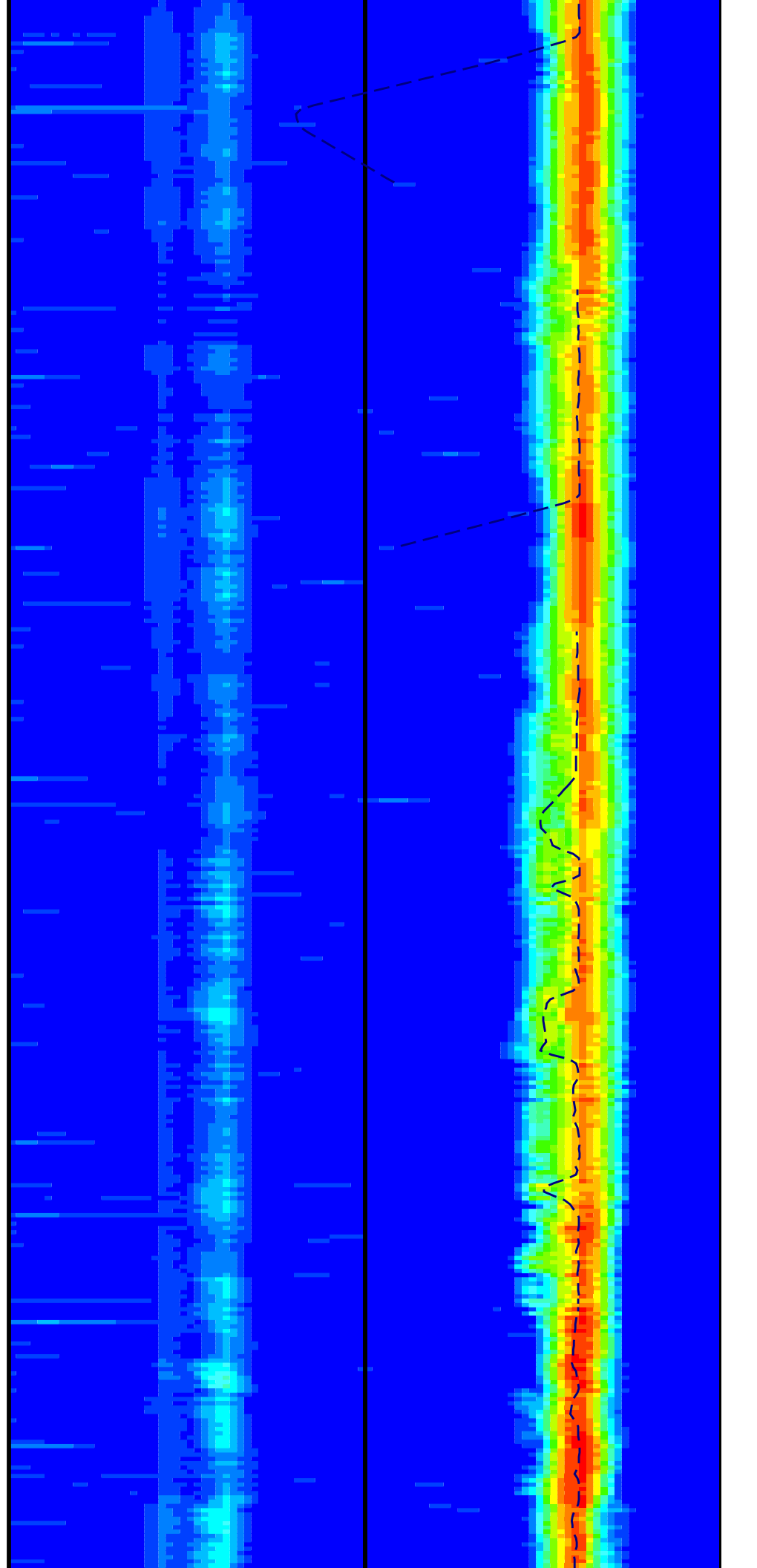
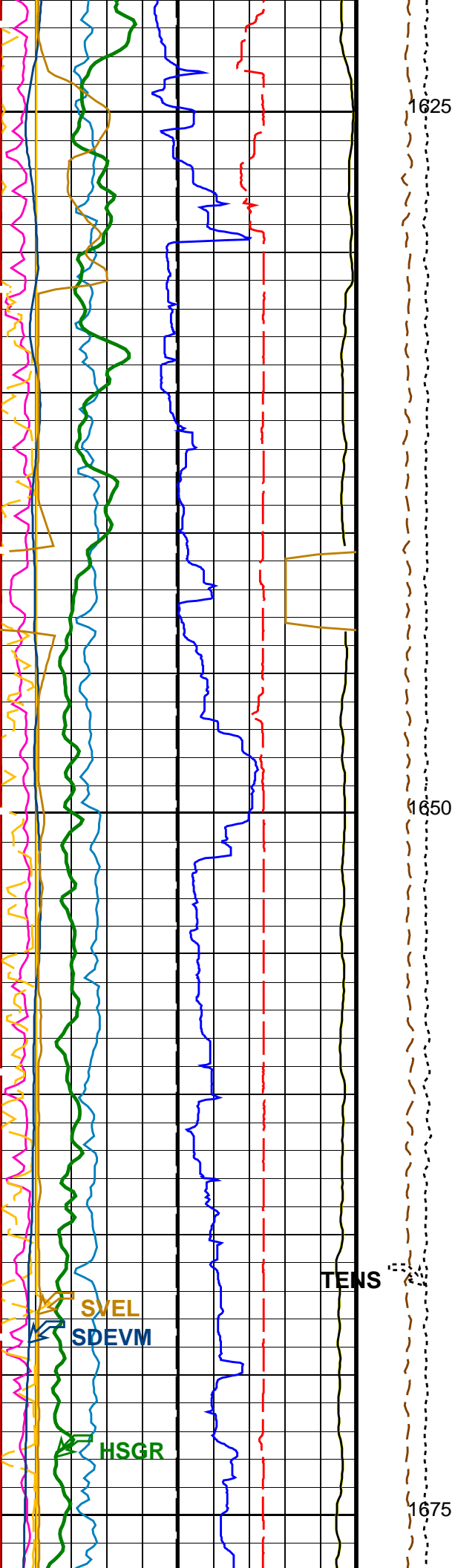


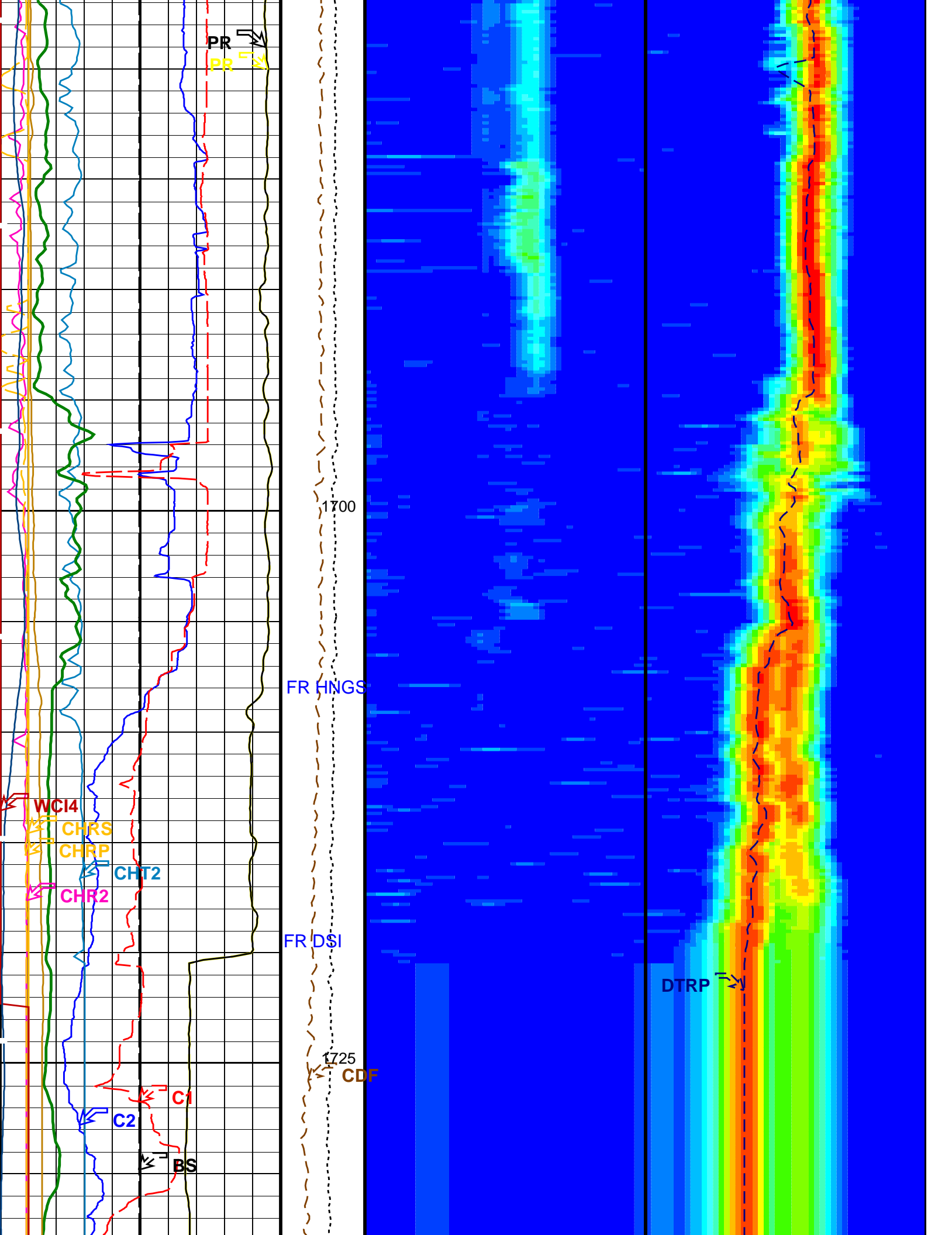


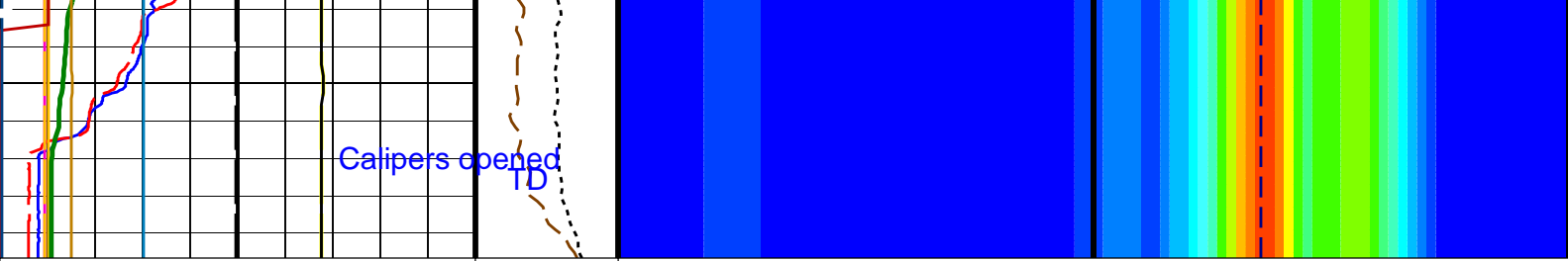












0	Bit Size (BS) (IN)	20	Tension (TENS) (LBF)	40	Delta-T Comp / RA - P & S (DTRP) (US/F)	240
0	Caliper 2 (C2) (IN)	20	Calibrated Downhole Force (CDF) (LBF)	40	Delta-T Shear / RA - P & S (DTRS) (US/F)	240
0	Caliper 1 (C1) (IN)	20	3000	40	Min Amplitude Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)	Max 240
0	Poisson's Ratio (PR) (-----)	0.5				
0	Sonde Deviation (SDEVM) (DEG)	10				
1000	Sonic Velocity (SVEL) (M/S)	6000				
0	Poisson's Ratio (PR) (-----)	0.5				
0	Peak Coherence / RA - Upper Dipole (CHR2) (-----)	10				
-2	Peak Coherence / TA - Upper Dipole (CHT2) (-----)	8				
0	Peak Coherence / RA - P & S Comp (CHRP) (-----)	10				
-1	Peak Coherence / RA - P & S Shear (CHRS) (-----)	9				
0	Waveform Data Copy Indicator 4 - Monopole P&S (WCI4) (-----)	10				
0	HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	100				

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MEST-B: Micro Electrical Scanner - B (Slim)		
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION
MDEC	Magnetic Field Declination	-13.7817 DEG

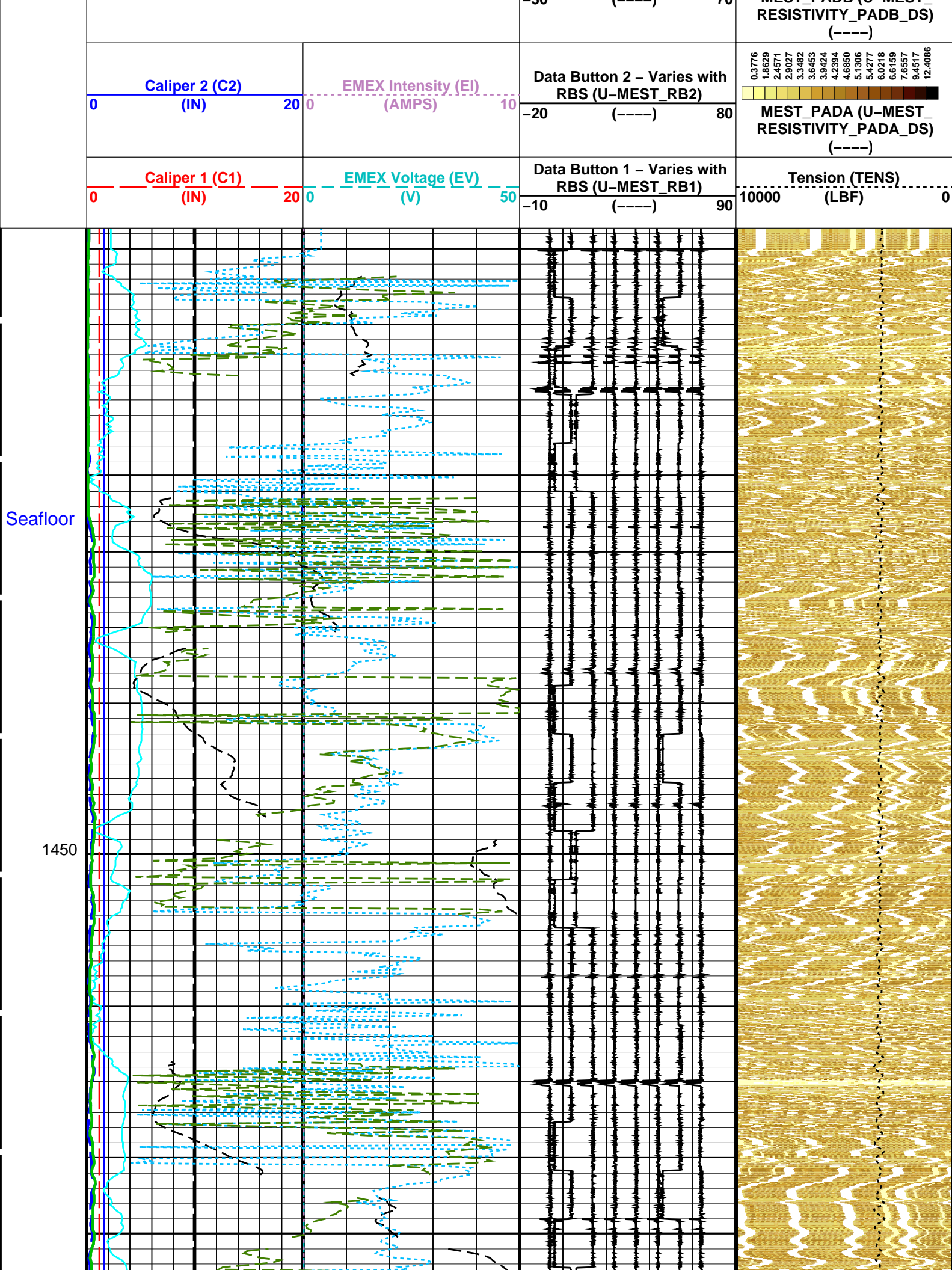
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
CASF	Label Casing Function - Monopole P&S	50	
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	120	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	200	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	400	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1400	US/F
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	212	US/F
DTSS	Shear Delta-T Source for DTSM Channel	UPPER_DIPOLE	
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control - Monopole P&S	COMP	
GCSE	Generalized Caliper Selection	C1	
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
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	
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM4	STC Filter - Monopole P&S	B3-20K	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	190	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	195	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	40	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
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TST4	STC Time Step - Monopole P&S	50	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	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	
HNGB-B: Hostile Natural Gamma Ray Sonde			
BAR1	HNGB Detector 1 Barite Constant	1	
BAR2	HNGB Detector 2 Barite Constant	1	
BHK	HNGB Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGB Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGB Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGB Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGB Borehole Potassium Running Average	0.000214845	
HALF	HNGB Alpha Filter Length	60	IN
HCRB	HNGB Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGB Processing Enable	YES	
S1BI	HNGB Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGB Detector 2 Calibration Bismuth Count Rate	1.3	CPS

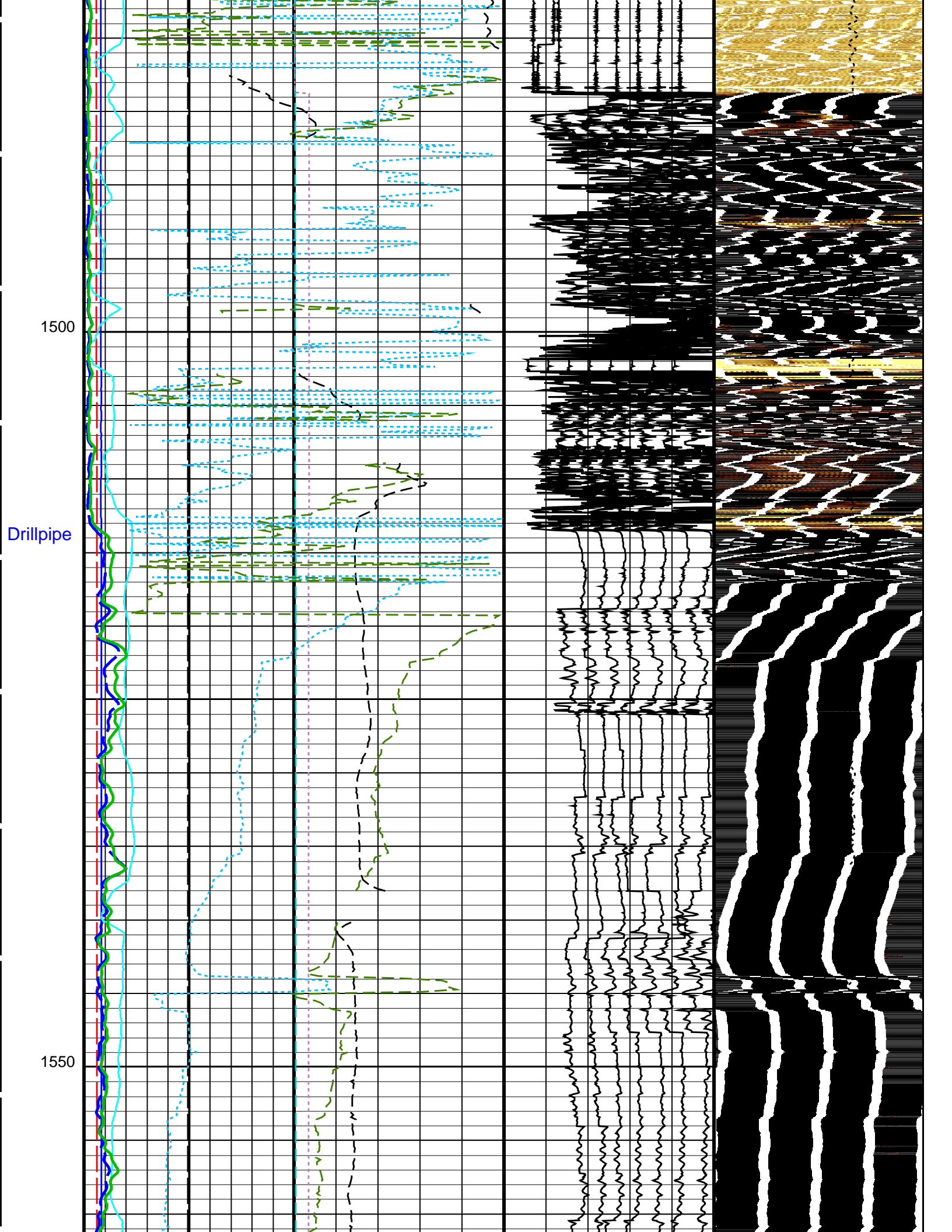
SZBI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.04249	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.05028	
System and Miscellaneous			
BS	Bit Size	9.875	IN

Format: DSST_P_S_Only		Vertical Scale: 1:200		Graphics File Created: 29-Jul-2021 21:53	
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	DTC-H	19C0-187		
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_030LUP	FN:52	PRODUCER	29-Jul-2021 21:53	
BACKUP	FMS_DSI_NGS_030LUP	FN:53	PRODUCER	29-Jul-2021 21:53	

Company: International Ocean Discovery Program				Well: Expedition 395C, Site U1563B			
Output DLIS Files							
DEFAULT	FMS_DSI_NGS_030LUP	FN:52	PRODUCER	29-Jul-2021 21:53	1739.6 M	1408.6 M	
BACKUP	FMS_DSI_NGS_030LUP	FN:53	PRODUCER	29-Jul-2021 21:53	1739.6 M	1408.6 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	DTC-H	19C0-187				

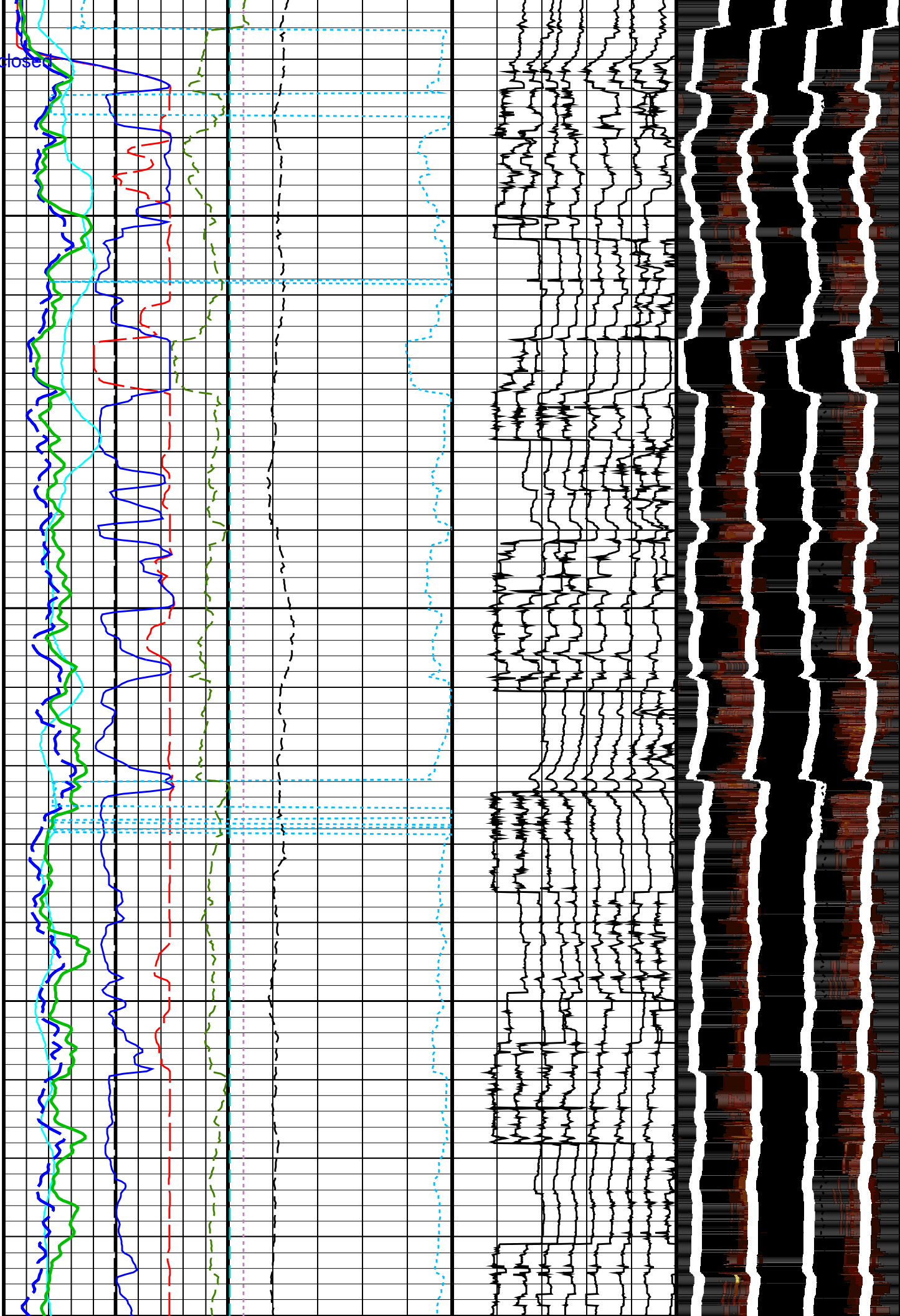
PIP SUMMARY					
Time Mark Every 60 S					
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<div>HNGS Computed Gamma Ray (HCGR)</div> <div>0 (GAPI) 100</div>					
<div>Bit Size (BS)</div> <div>0 (IN) 20</div>		Uplog 2			
<div>Relative Bearing (RB_MEST)</div> <div>-40 (DEG) 360</div>					
<div>Pad One Azimuth (P1AZ_MEST)</div> <div>-40 (DEG) 360</div>					
<div>Hole Azimuth (HAZIM)</div> <div>-40 (DEG) 360</div>					
<div>Deviation (DEVIM)</div> <div>0 (DEG) 10</div>					





Calipers closed

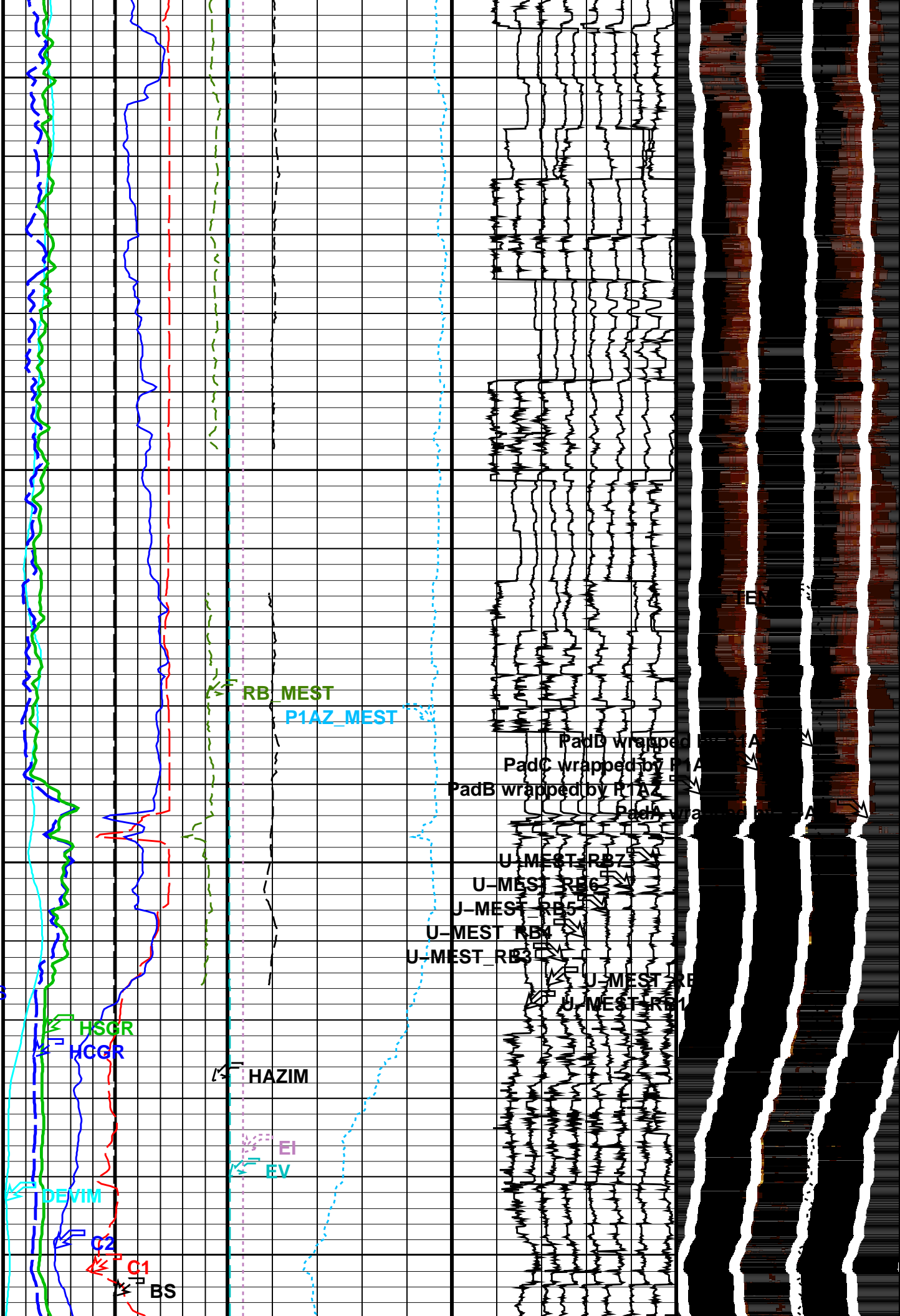
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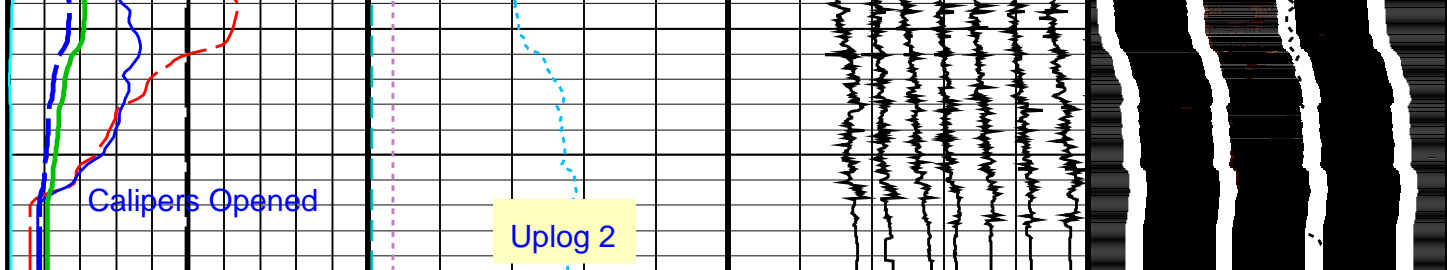


1650

1700

FR HNCS





<div>Caliper 1 (C1)</div> <div>(IN)</div> <div>020</div>	<div>EMEX Voltage (EV)</div> <div>(V)</div> <div>050</div>	<div>Data Button 1 – Varies with RBS (U-MEST_RB1)</div> <div>(----)</div> <div>-1090</div>	<div>Tension (TENS)</div> <div>(LBF)</div> <div>100000</div>
<div>Caliper 2 (C2)</div> <div>(IN)</div> <div>020</div>	<div>EMEX Intensity (EI)</div> <div>(AMPS)</div> <div>010</div>	<div>Data Button 2 – Varies with RBS (U-MEST_RB2)</div> <div>(----)</div> <div>-2080</div>	<div>0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086</div> <div>MEST_PADA (U-MEST_RESISTIVITY_PADA_DS)</div> <div>(----)</div>
<div>Deviation (DEVIM)</div> <div>(DEG)</div> <div>010</div>		<div>Data Button 3 – Varies with RBS (U-MEST_RB3)</div> <div>(----)</div> <div>-3070</div>	<div>0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086</div> <div>MEST_PADB (U-MEST_RESISTIVITY_PADB_DS)</div> <div>(----)</div>
<div>Hole Azimuth (HAZIM)</div> <div>(DEG)</div> <div>-40360</div>		<div>Data Button 4 – Varies with RBS (U-MEST_RB4)</div> <div>(----)</div> <div>-4060</div>	<div>0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086</div> <div>MEST_PADC (U-MEST_RESISTIVITY_PADC_DS)</div> <div>(----)</div>
<div>Pad One Azimuth (P1AZ_MEST)</div> <div>(DEG)</div> <div>-40360</div>		<div>Data Button 5 – Varies with RBS (U-MEST_RB5)</div> <div>(----)</div> <div>-5050</div>	<div>0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086</div> <div>MEST_PADD (U-MEST_RESISTIVITY_PADD_DS)</div> <div>(----)</div>
<div>Relative Bearing (RB_MEST)</div> <div>(DEG)</div> <div>-40360</div>		<div>Data Button 6 – Varies with RBS (U-MEST_RB6)</div> <div>(----)</div> <div>-6040</div>	
<div>Bit Size (BS)</div> <div>(IN)</div> <div>020</div>		<div>Data Button 7 – Varies with RBS (U-MEST_RB7)</div> <div>(----)</div> <div>-7030</div>	
<div>HNGS Computed Gamma Ray (HCGR)</div> <div>(GAPI)</div> <div>0100</div>		<div>Data Button 8 – Varies with RBS (U-MEST_RB8)</div> <div>(----)</div> <div>-8020</div>	
<div>HNGS Spectroscopy Gamma Ray (HSGR)</div> <div>(GAPI)</div> <div>0100</div>			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MEST-B: Micro Electrical Scanner – B (Slim)		
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION
MDEC	Magnetic Field Declination	-13.7817 DEG
MLM	MEST Logging Mode	SCAN1800
RBS	Resistivity Button Selection	AUTO
XGAI	Gain	GAIN_2
XOFF	Offset	OFFSET_0
DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	C1

CSD2	Generalized Caliper Selection	01	
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	0.000214845	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.04249	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.05028	
BS	System and Miscellaneous Bit Size	9.875	IN

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:300 Graphics File Created: 29-Jul-2021 21:53

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	DTC-H	19C0-187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030LUP	FN:52	PRODUCER	29-Jul-2021 21:53
BACKUP	FMS_DSI_NGS_030LUP	FN:53	PRODUCER	29-Jul-2021 21:53

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 13-Jun-2021 22:51							
Caliper 1 Zero Measurement	12.00	N/A	12.76	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.49	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.69	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.53	N/A	N/A	N/A	IN
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 29-Jul-2021 19:30							
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: 29-Jul-2021 19:30							
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: 2-May-2021 10:04 Before: 13-Jun-2021 9:44							
Na 511 Peak Loc	40.00	39.25	39.64	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.53	14.84	N/A	N/A	2.000	%
High Voltage	1150	1197	1168	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	141.8	143.3	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.905	7.709	N/A	N/A	2.000	%
Temperature	15.50	26.59	11.69	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	12.01	12.89	N/A	N/A	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: 2–May–2021 10:04 Before: 13–Jun–2021 9:44

Na 511 Peak Loc	40.00	39.88	39.51	N/A	N/A	1.000	
Na 511 Peak Res	15.50	15.29	15.27	N/A	N/A	2.000	%
High Voltage	1150	1122	1090	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	142.6	140.8	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.040	9.507	N/A	N/A	2.000	%
Temperature	15.50	27.21	12.30	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	12.32	13.60	N/A	N/A	8.000	CPS

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

Master: 2–May–2021 10:04 Before: 13–Jun–2021 9:44

Coincidence Count Rate Ratio	1.000	0.9728	0.9527	N/A	N/A	0.05000	
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Hostile Natural Gamma Ray Sonde Master Calibration – Detector 1 Calibration

Master: 2–May–2021 10:00

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	209.6	--	--	--	--	
Th Peak Res	7.000	6.625	--	--	--	--	%
Background Count Rate	142.5	17.82	--	--	--	--	CPS
Gain Ratio	1.000	1.015	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration – Detector 2 Calibration

Master: 2–May–2021 10:00

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	208.8	--	--	--	--	
Th Peak Res	7.000	7.662	--	--	--	--	%
Background Count Rate	142.5	16.78	--	--	--	--	CPS
Gain Ratio	1.000	0.9961	--	--	--	--	

Micro Electrical Scanner – B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde – B	MEDS – B	724
MEST Preamplifier Cartridge – AB	MEPC – AB	806
GPIT Cartridge – AC	GPIC – AC	840
MEST Acquisition Cartridge – A	MEAC – A	804

Auxiliary Equipment:

MEST–B Preamplifier Cartridge Housing	MEPH – A	701
MEST Acquisition Cartridge Housing (Slim)	MEAH – B	769

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment:

HNGC Cartridge	HNGC – B	304
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Auxiliary Equipment:

HNGC Housing	HNGH – A	3
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Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:

HNGS Sonde	HNGS – BA	99
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Auxiliary Equipment:

HNGS Sonde Housing	HNSH – BA	102
Gamma Source Radioactive	GSR – U	6098

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		39.25	Master		16.53	Master		1197
Before		39.64	Before		14.84	Before		1168
	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

DTS Telemetry Tool / Equipment Identification

Primary Equipment:

DTC-H Auxiliary Cartridge
DTC-H Telemetry Cartridge

DTCH - A 8799
DTCH - A 8799

Auxiliary Equipment:

DTCH Telemetry Cartridge Housing

ECH - KC 9842

Company: **International Ocean Discovery Program**

Schlumberger

Well: **Expedition 395C, Site U1563B**

Field: **North Atlantic Mantle Convection&Climate**

Rig: **JOIDES Resolution**

Ocean: **Atlantic**

Formation Micro Scanner (FMS)

Dipole Shear Sonic (DSI)

Natural Gamma (HNGS)