Schlumberger

Company: **International Ocean Discovery Program**

Well: **Expedition 393, Site U1560B**
Field: **South Atlantic Transect II**
Rig: **JOIDES Resolution** Country: **South Africa**

Rig: JOIDES Resolution
Field: South Atlantic Transect II
Location: Latitude: S 30.4034 Deg
Well: Expedition 393, Site U1560B
Company: International Ocean Discovery Pr

FMS
DSST
Natural Gamma

LOCATION

Latitude: S 30.4034 Deg
Longitude: W 16.9228 Deg

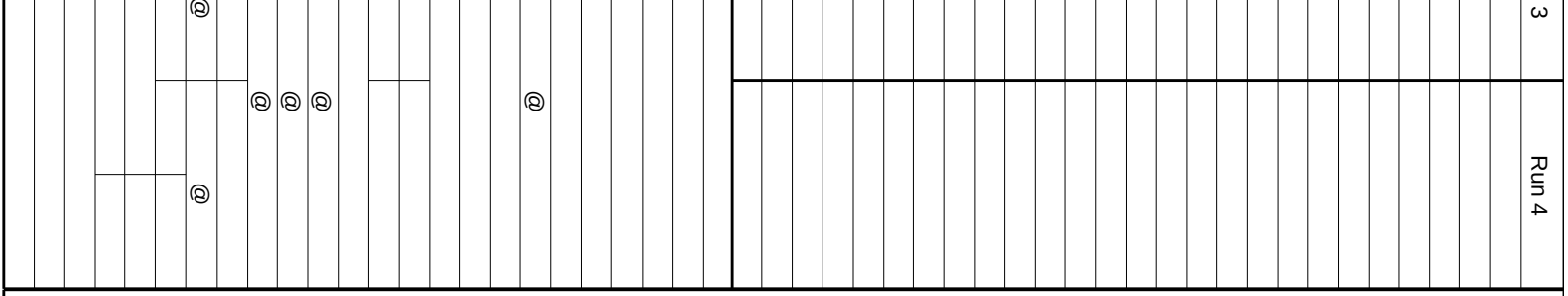
Elev.: K.B. 0.00 m
G.L. −3734.80 m
D.F. 0.00 m

Permanent Datum: Sea Floor — Elev.: −3734.80 m
Log Measured From: Rig Floor — 3734.80 m above Perm. Datum
Drilling Measured From: Rig Floor

Ocean: Atlantic	Max. Well Deviation 0 deg	Longitude −16.9228	Latitude −30.4034

	Run 1	Run 2	Run
Logging Date	28−Jul−2022		
Run Number	2		
Depth Driller	4051.2 m		
Schlumberger Depth	4046 m		
Bottom Log Interval	4046 m		
Top Log Interval	3653 m		
Casing Driller Size @ Depth	10.750 in @ 3856.8 m	@	
Casing Schlumberger	3856 m		
Bit Size	9.875 in		
Type Fluid In Hole	Seawater		
MUD Density / Viscosity	1.0305 g/cm3		
MUD Fluid Loss / PH	8.07		
MUD 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	0.301 @ 11 / @ 11	@ / @	
Maximum Recorded Temperatures	11 degC		
Circulation Stopped / Time	27−Jul−2022 / 9:00		
Logger On Bottom / Time	28−Jul−2022 / 9:50		
Unit Number / Location	627314 / Larose, LA		
Recorded By	K. Garrett		
Witnessed By	G. Guerin		

	Run 1	Run 2	Run
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth	@		
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
MUD Density / Viscosity			
MUD Fluid Loss / PH			
MUD Source Of Sample			
RM @ Measured Temperature	@		
RMF @ Measured Temperature	@		
RMC @ Measured Temperature	@		
Source RMF / RMC			
RM @ MRT / RMF @ MRT	@ / @		
Maximum Recorded Temperatures			
Circulation Stopped / Time			
Logger On Bottom / Time			
Unit Number / Location			
Recorded By			
Witnessed By			



DISCLAIMER

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

OTHER SERVICES1	OTHER SERVICES2
OS1: MSS/HRLA	OS1:
OS2: UBI / APS	OS2:
OS3: HLDS	OS3:
OS4: HNGS	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Hole drilled with RCB BHA at 9 7/8" BS	
Casing Shoe at 3856.8 mbrf	
Drill pipe set at 3762.5 mbrf.	
Depth recorded from drill floor; logs presented as−logged without depth corrections or shifts, as per client instructions.	
All logs presented in wireline measured depth below rig floor (MDBRF).	
Caliper opened during upward passes; closed inside pipe and while logging down.	
Hole size corrections made using caliper measurements for upward passes bit size	
used for downlog corrections.	
AHC used from TD then switched off to facilitate pipe entry.	
Caliper closed prior to shutting off compensator and entering pipe or casing.	
Caliper offset adjuested to read nominal casing ID of 10.05in. inside casing.	OH caliper corrected using same offset.

RUN 1

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

LOGGED INTERVAL	START	STOP

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

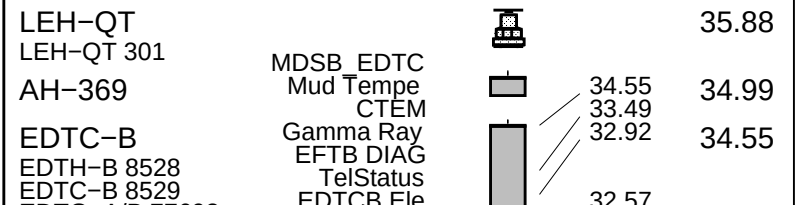
EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

GSR−U 6098
WITM (EDTS)−A

DOWNHOLE EQUIPMENT



EDTG−A/B 77693

HNGS−BA
HNGS−BA 177
HNSH−BA 174

Upper_1 31.87
Lower_2 31.66
32.57

HNGC−B
HNGH−A 115

HNGC Stat 29.54
30.07

AH−MCD
AH−MCD 82

29.01

DSST−B
SPAC−B 8194
ECH−SD 8183
SMDR−BD 8232
SSIJ−BA 8204
SMDX−AA 8194

26.73

PWF 11.18

AH−MCD1
AH−MCD1 1

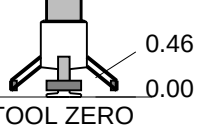
11.18

DTA−A
ECH−KE

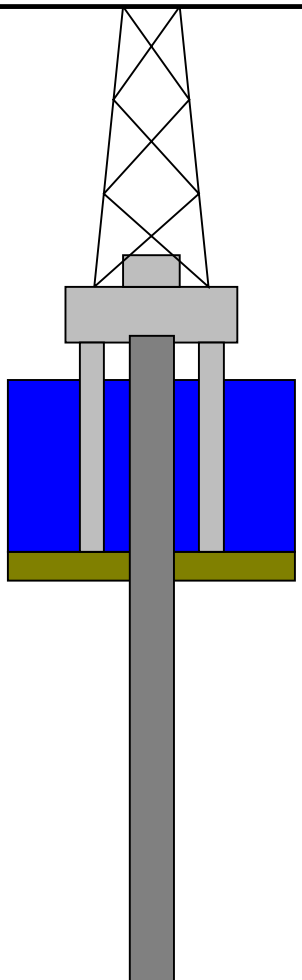
8.90

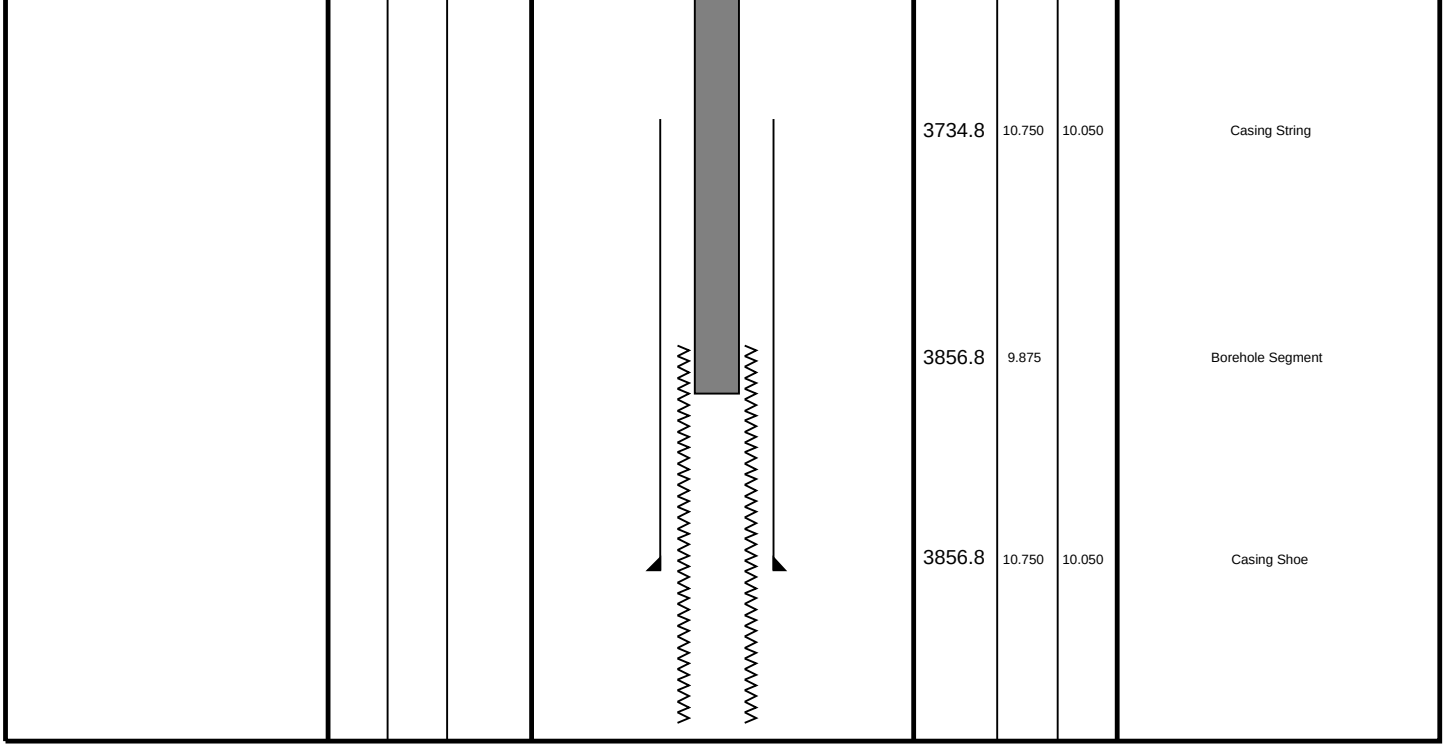
MEST−B
MEAH−B 769
MEAC−A 804
MEPH−A 701
GPIC−AC 840
MEPC−AB 806
MEDS−B 724

7.68



MAXIMUM STRING DIAMETER 3.75 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Production String	(in) OD	(in) ID	(ft) MD	Well Schematic	(ft) MD	(in) OD	(in) ID	Casing String
Kelly Bushing Elevation			11.0					
Derrick Floor Elevation			11.0					
Drill Pipe			−11.0					
Mean Sea Level			0.0					



Schlumberger

Downlog

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP		PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12	4046.1 M	3653.0 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	EDTC−B	SKK−5169−EDTCB

PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)	

0 (GAPI) 100

Area1
From HCGR to HSGR

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

HNGS Borehole Potassium (HBHK)
−0.05 (−−−−) 0.05

Caliper 2 (C2)
6 (IN) 16

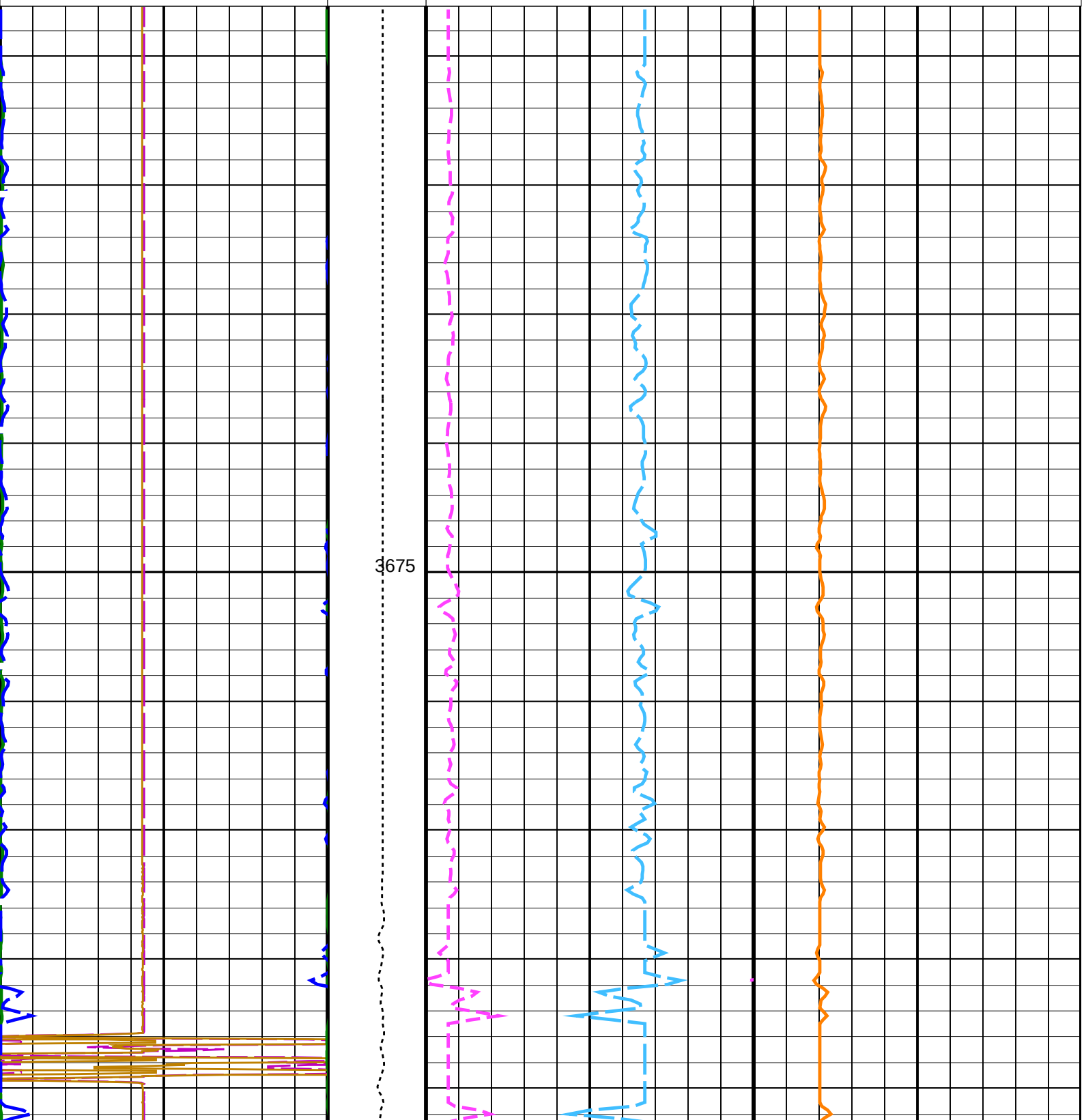
HNGS Uranium (HURA)
−5 (PPM) 10

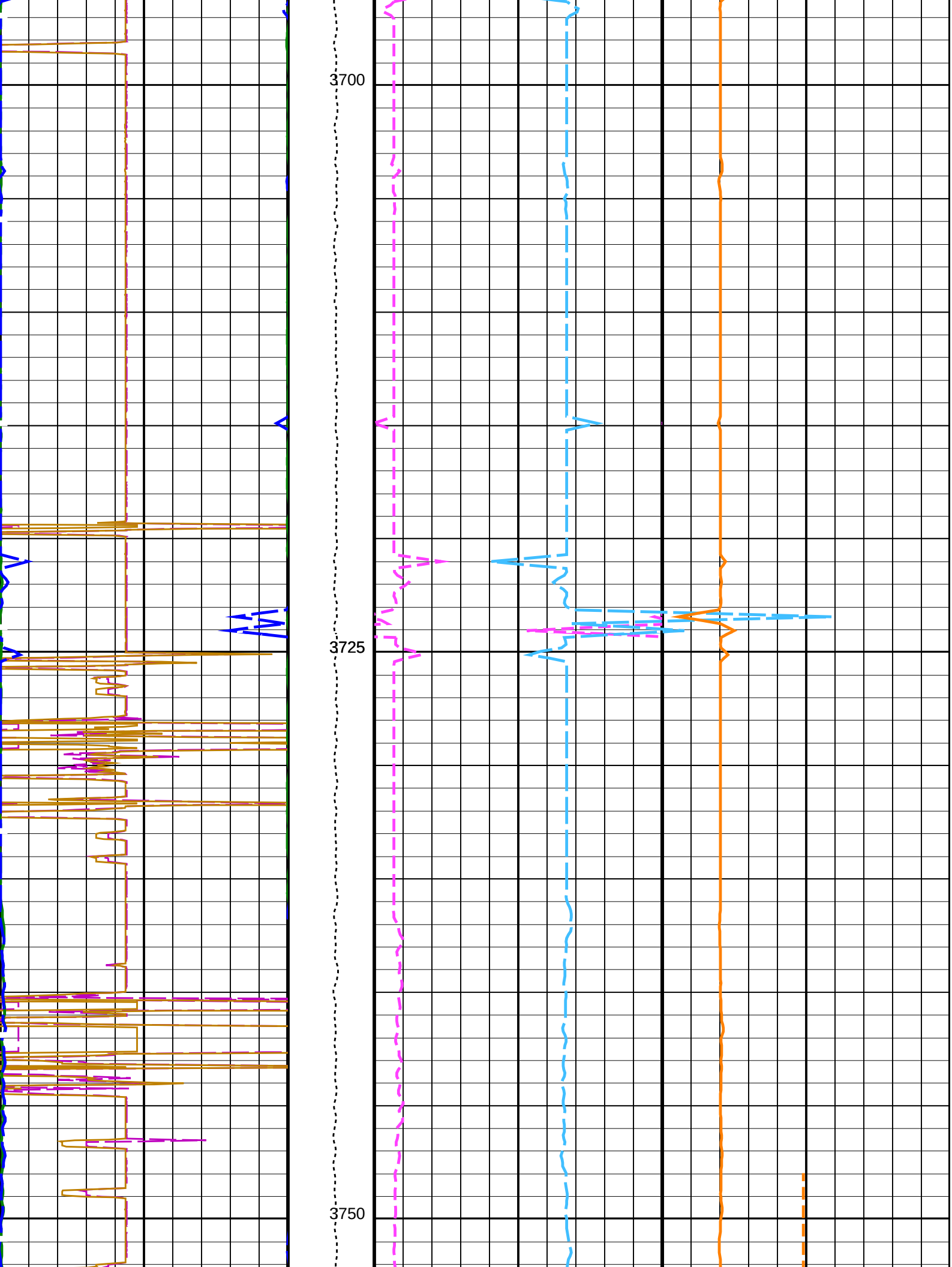
Caliper 1 (C1)
6 (IN) 16

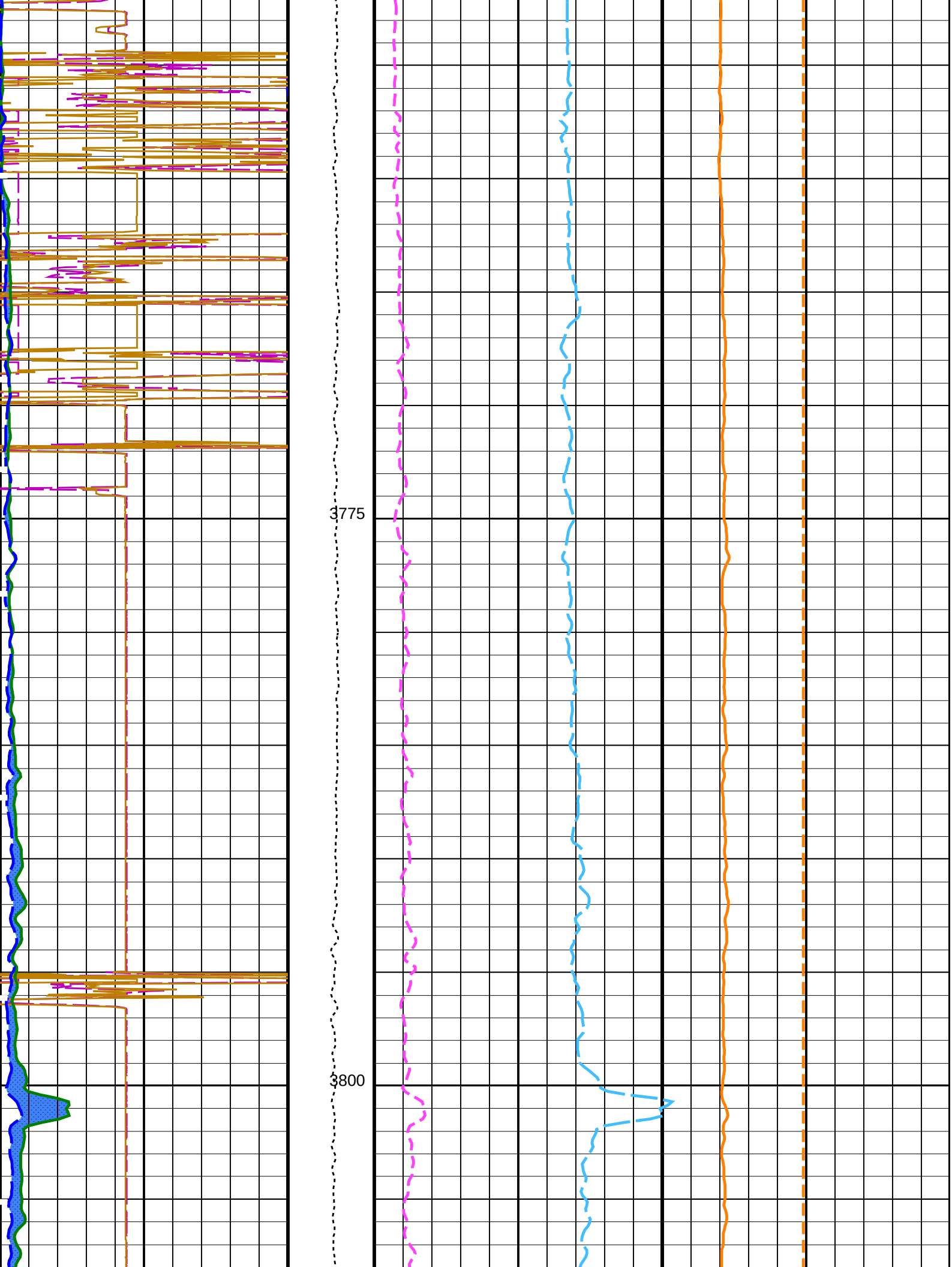
Tension (TENS) (LBF)
10000 0

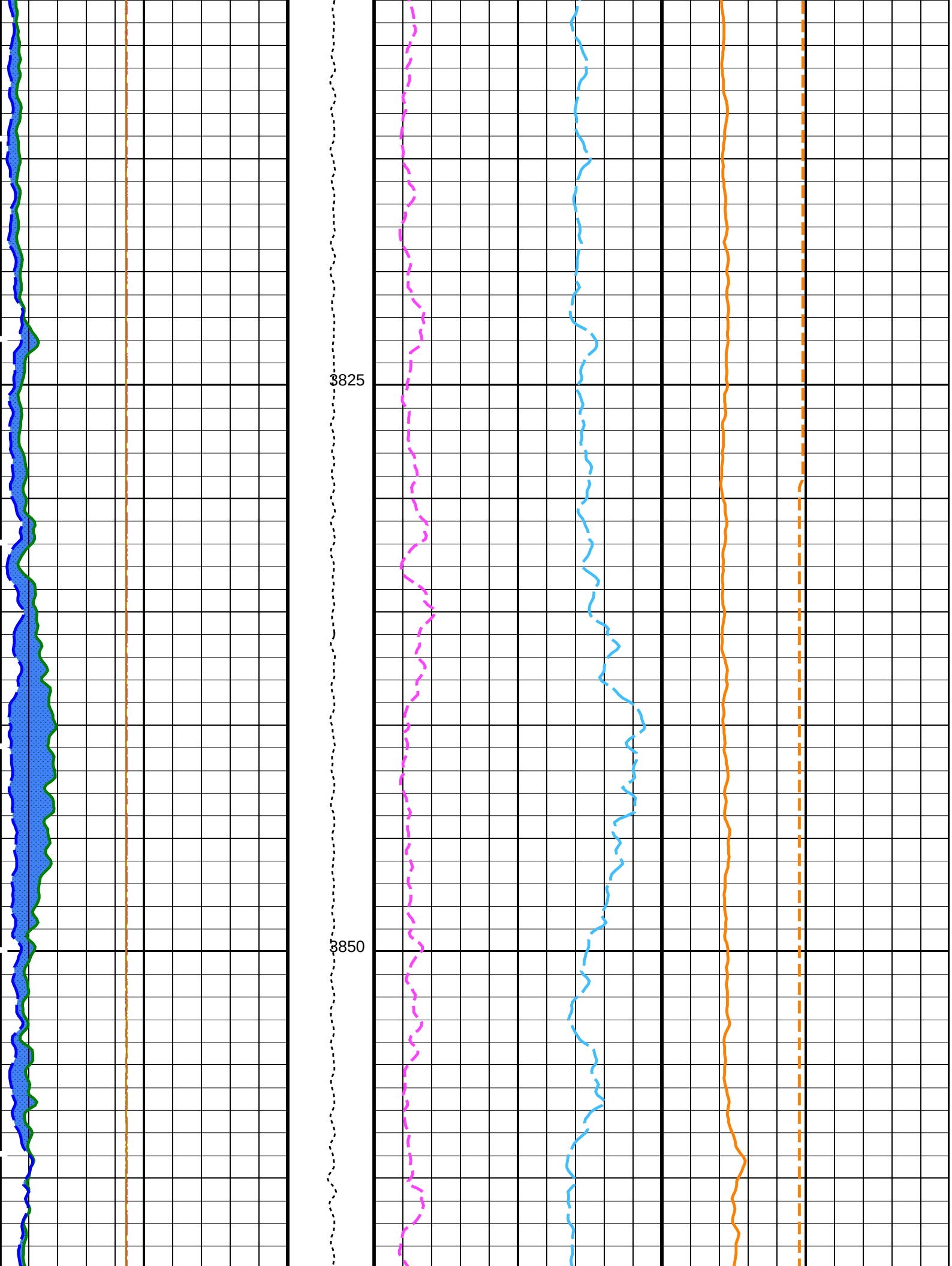
HNGS Thorium (HTHO)
−1 (PPM) 14

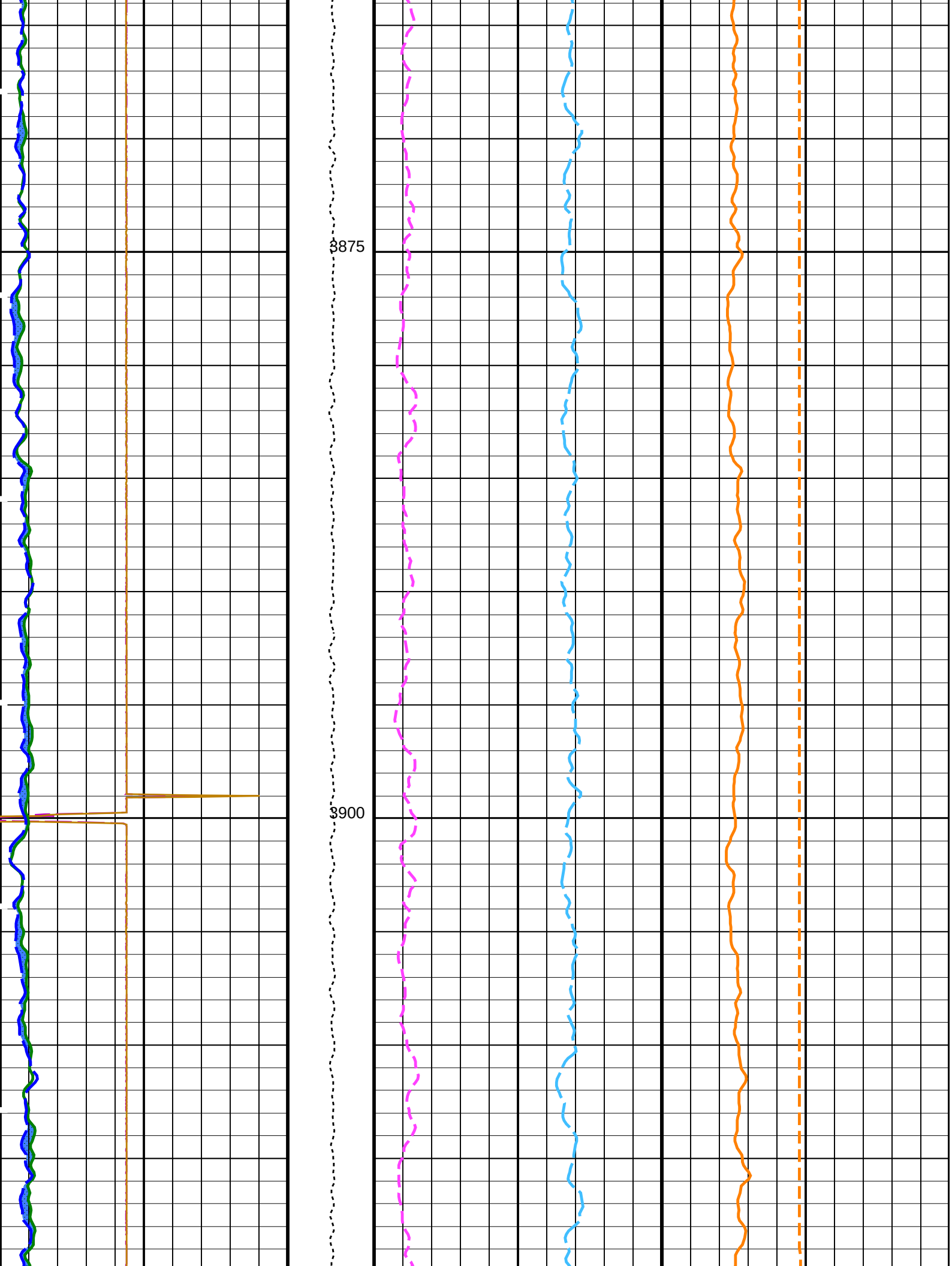
HNGS Potassium (HFK)
−0.01 (−−−−) 0.04

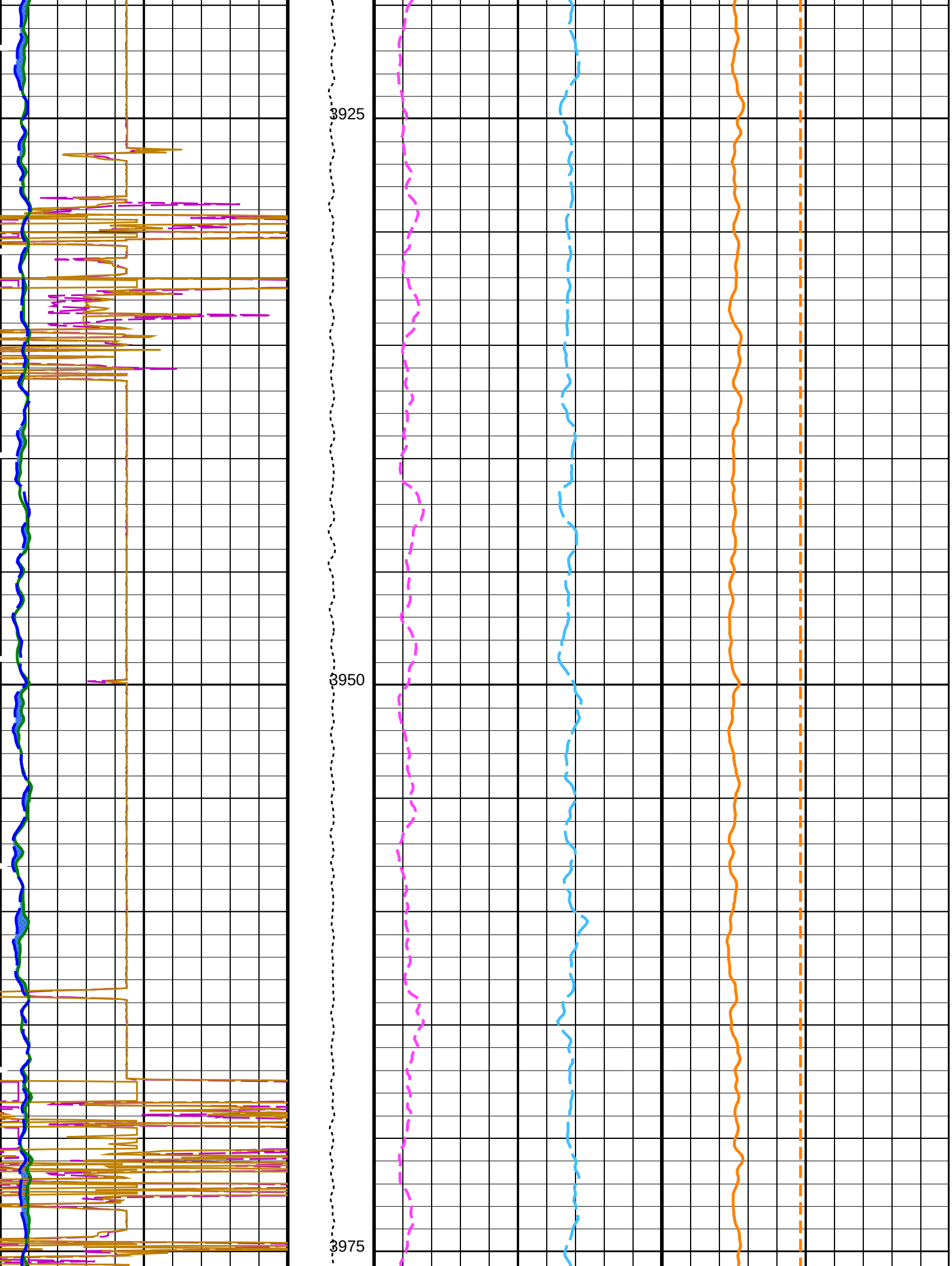


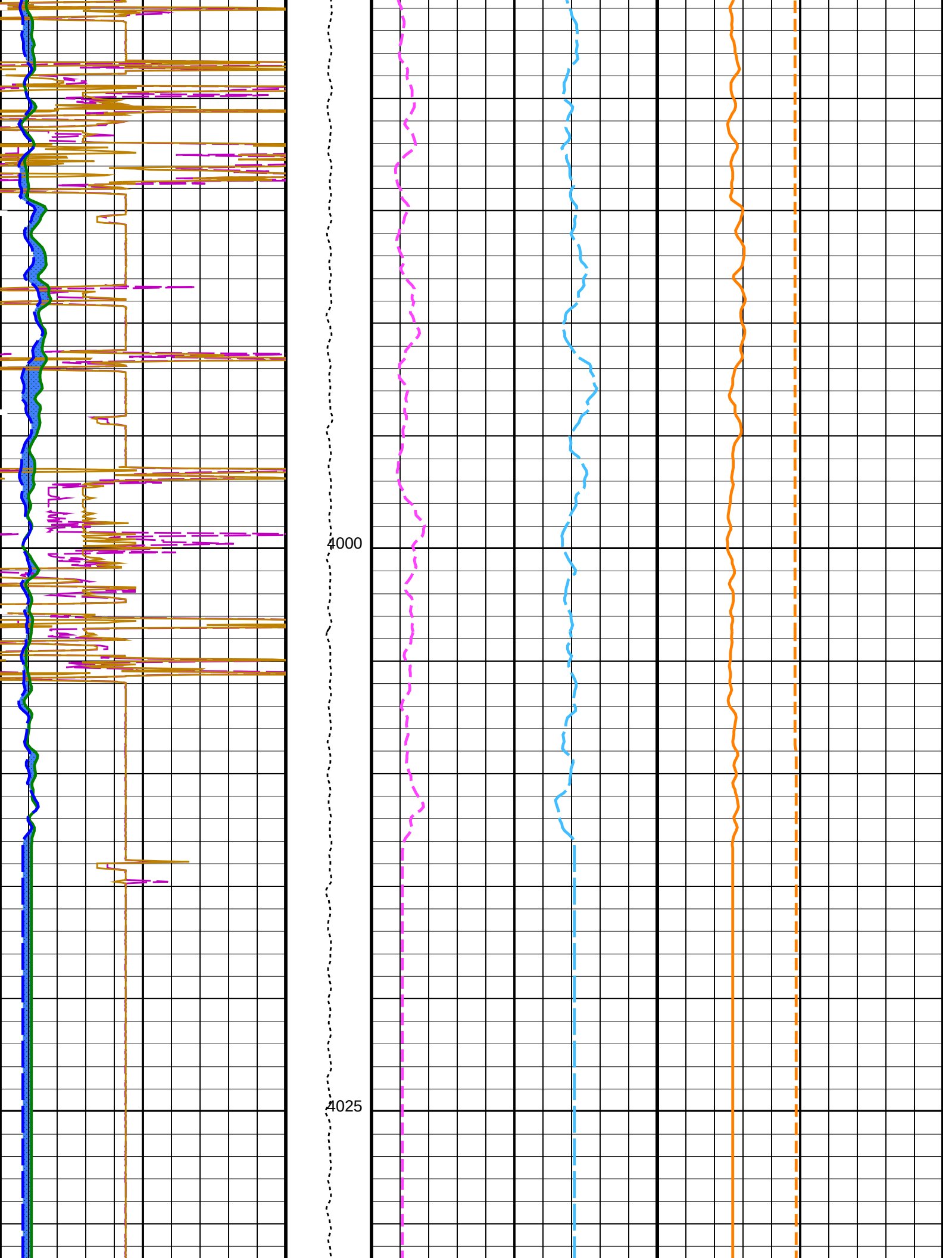

3700
3725
3750

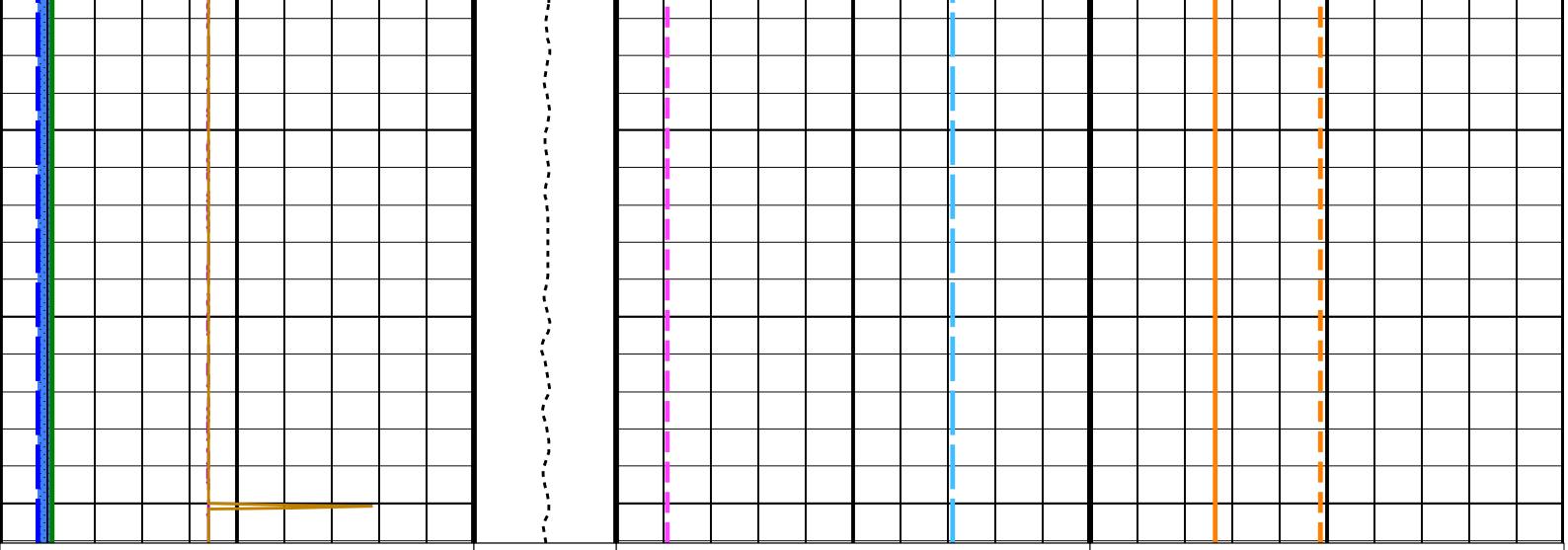

3775
3800


3825
3850


3875
3900


3925
3950
3975


4000
4025



Caliper 1 (C1)
6 (IN) 16

Caliper 2 (C2)
6 (IN) 16

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

Area1
From HCGR to HSGR

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

Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

HNGS Uranium (HURA)
−5 (PPM) 10

HNGS Potassium (HFK)
−0.01 (−−−−) 0.04

HNGS Borehole Potassium (HBHK)
−0.05 (−−−−) 0.05

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	−0.000852376	
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	1.03587	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03084	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

DFD	Drilling Fluid Density	1.03	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 14:12

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP	PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12	

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP	PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

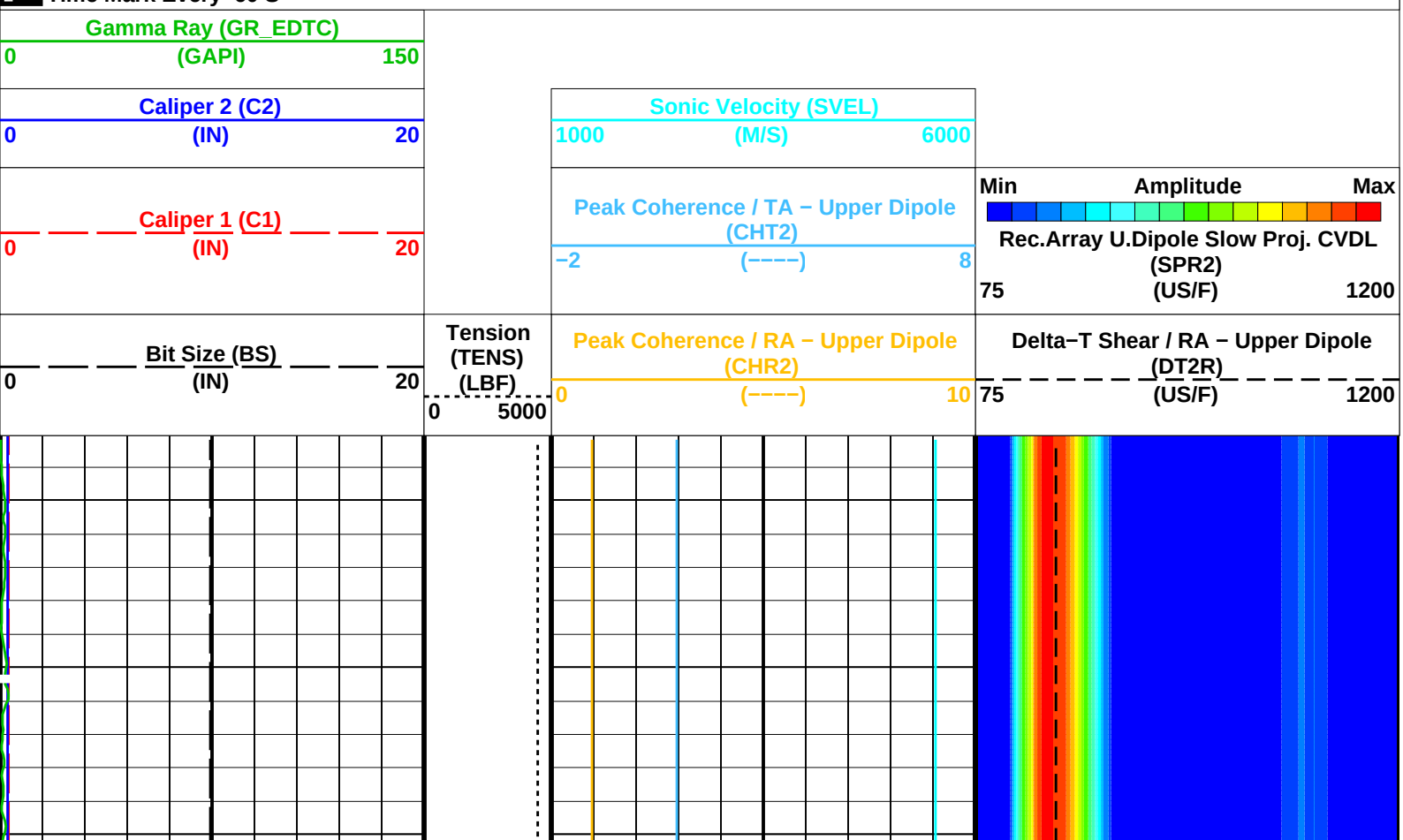
DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12	4046.1 M	3653.0 M

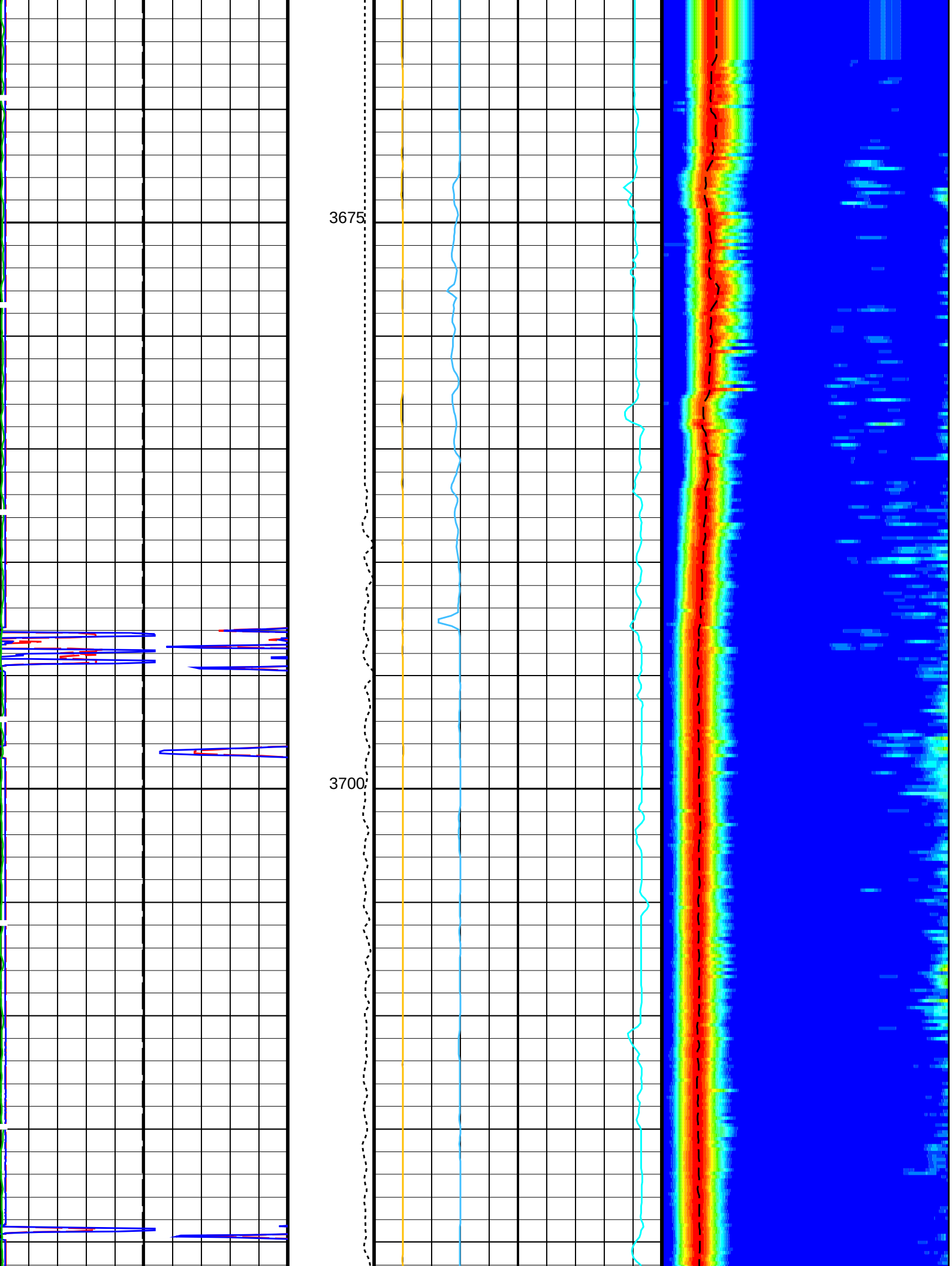
OP System Version: 19C0−187

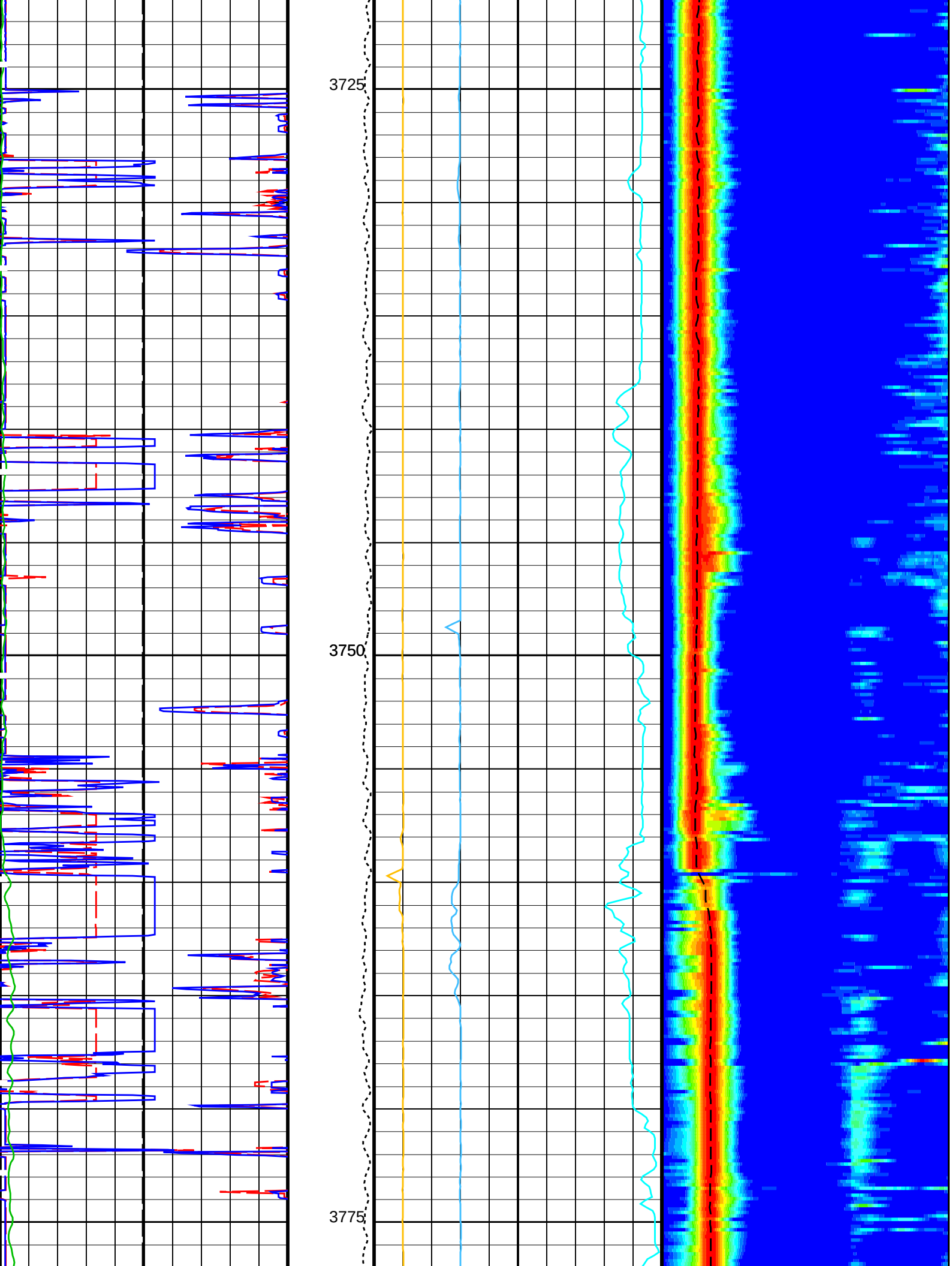
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	SKK−5169−EDTCB

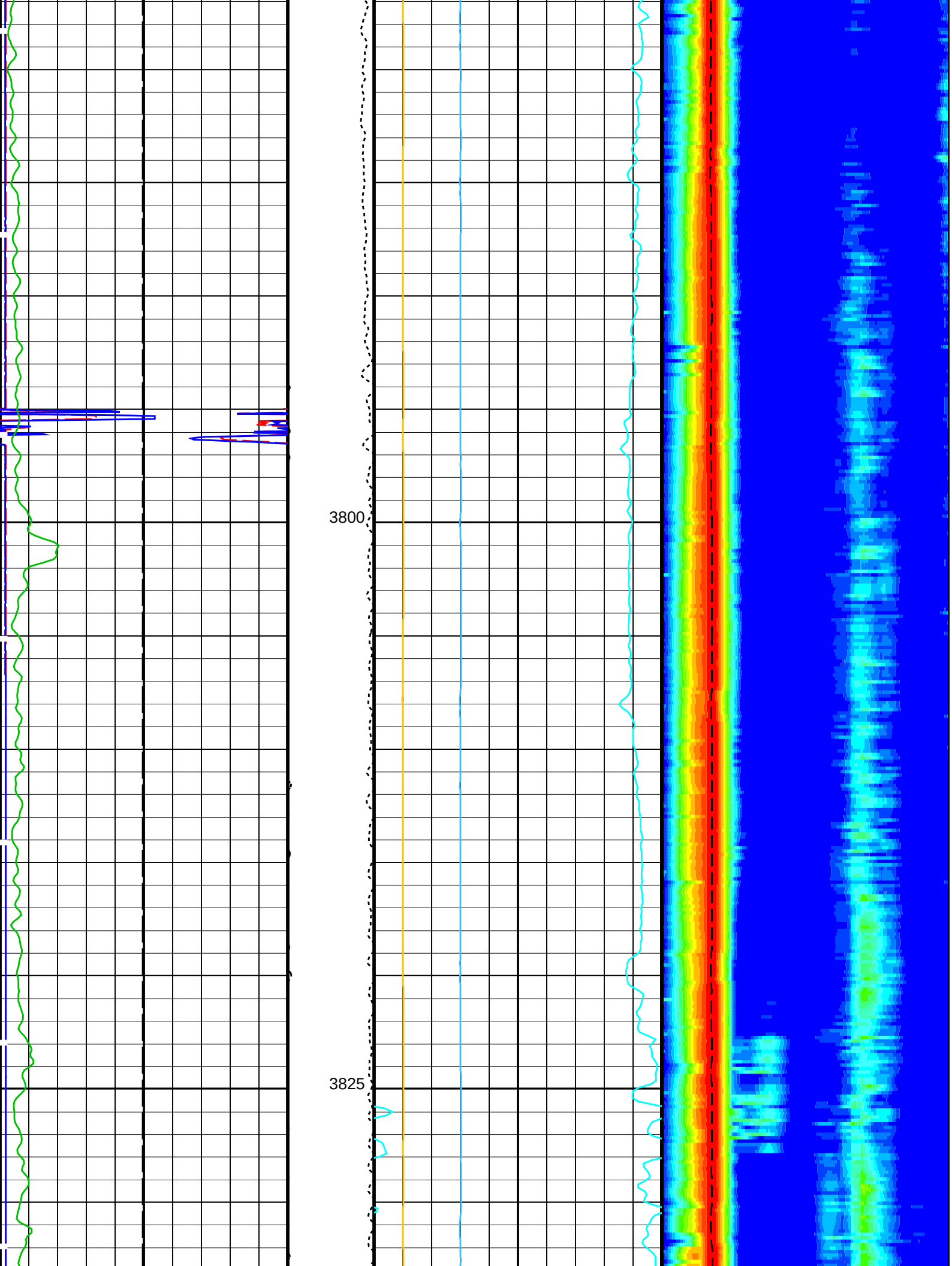
PIP SUMMARY

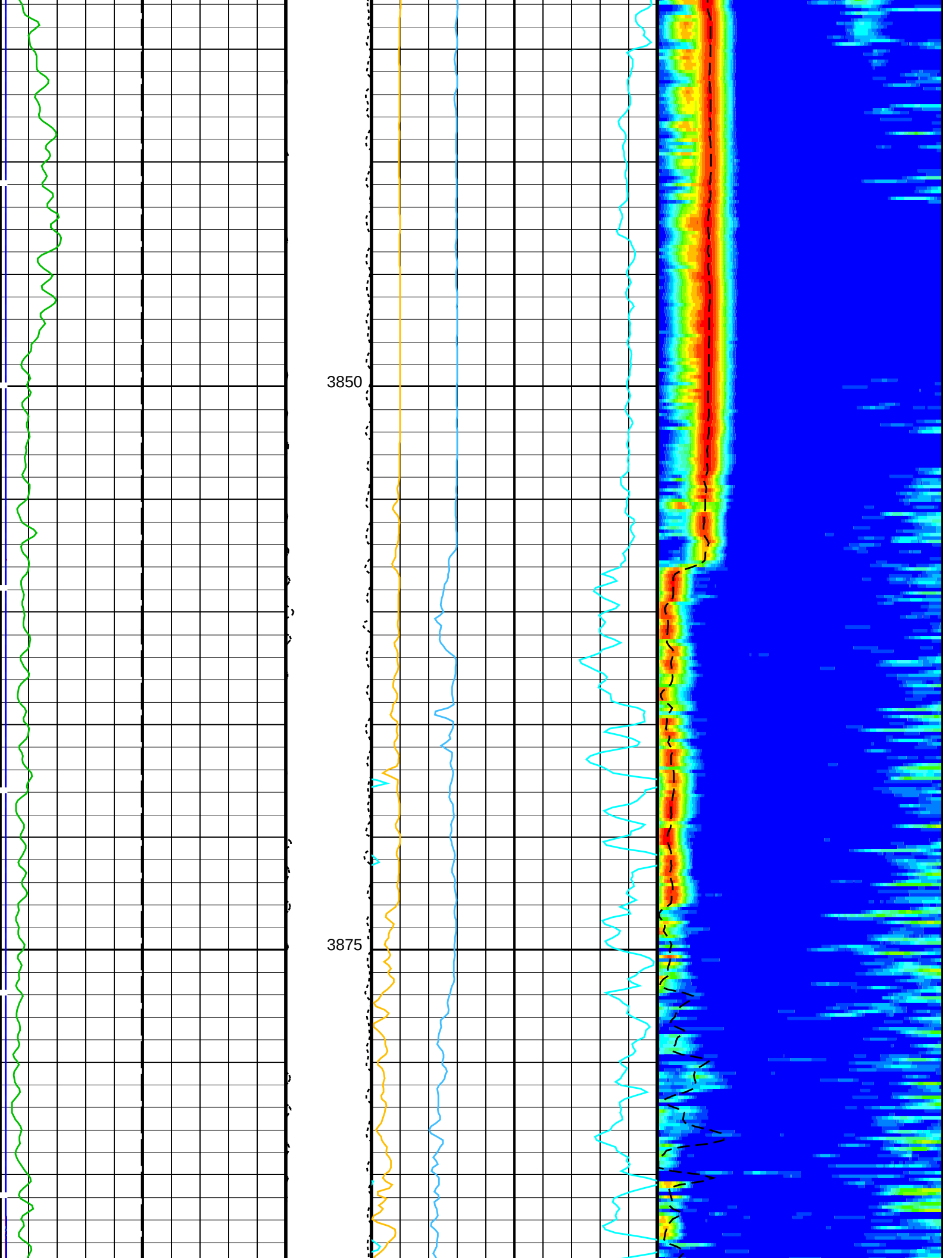
Time Mark Every 60 S

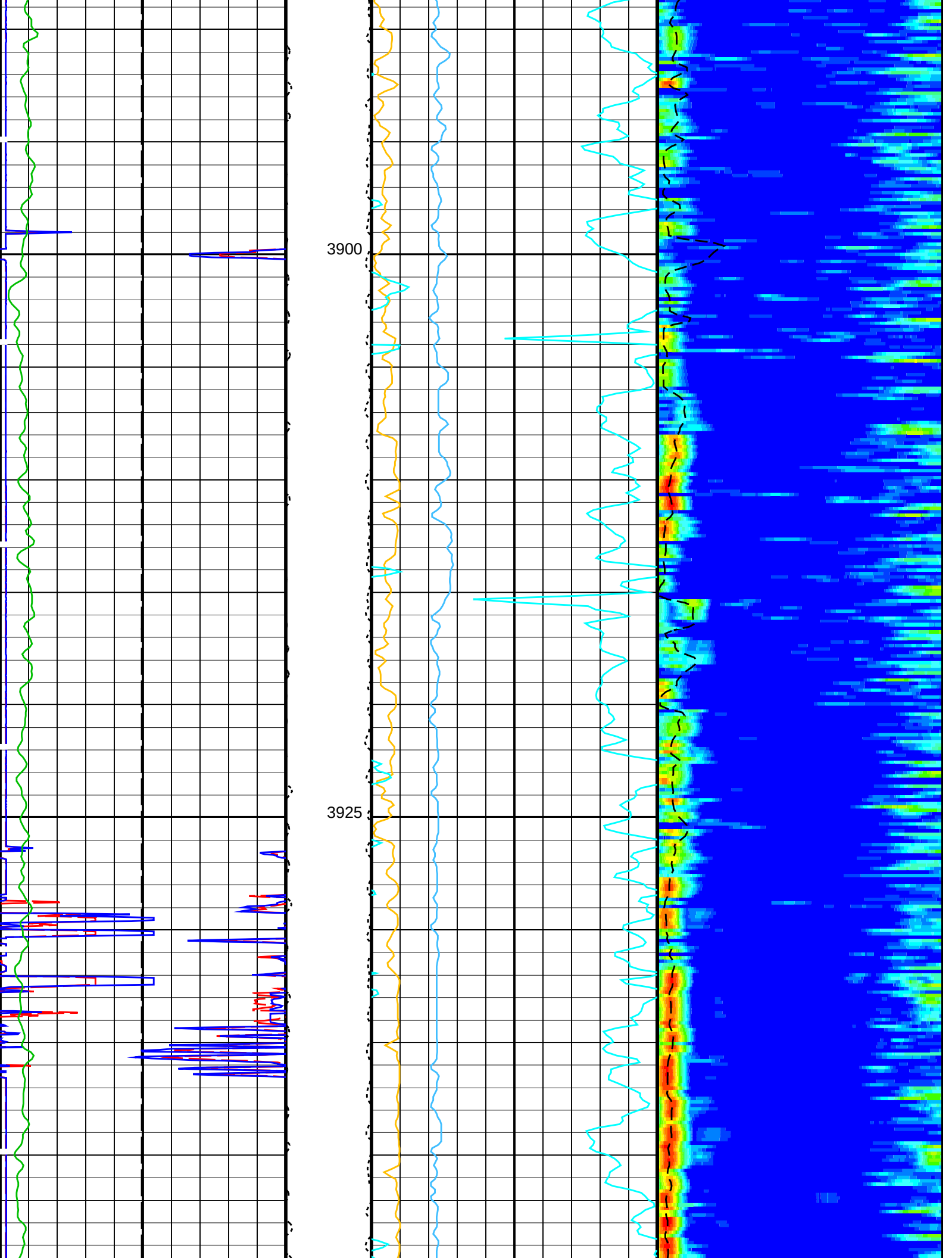


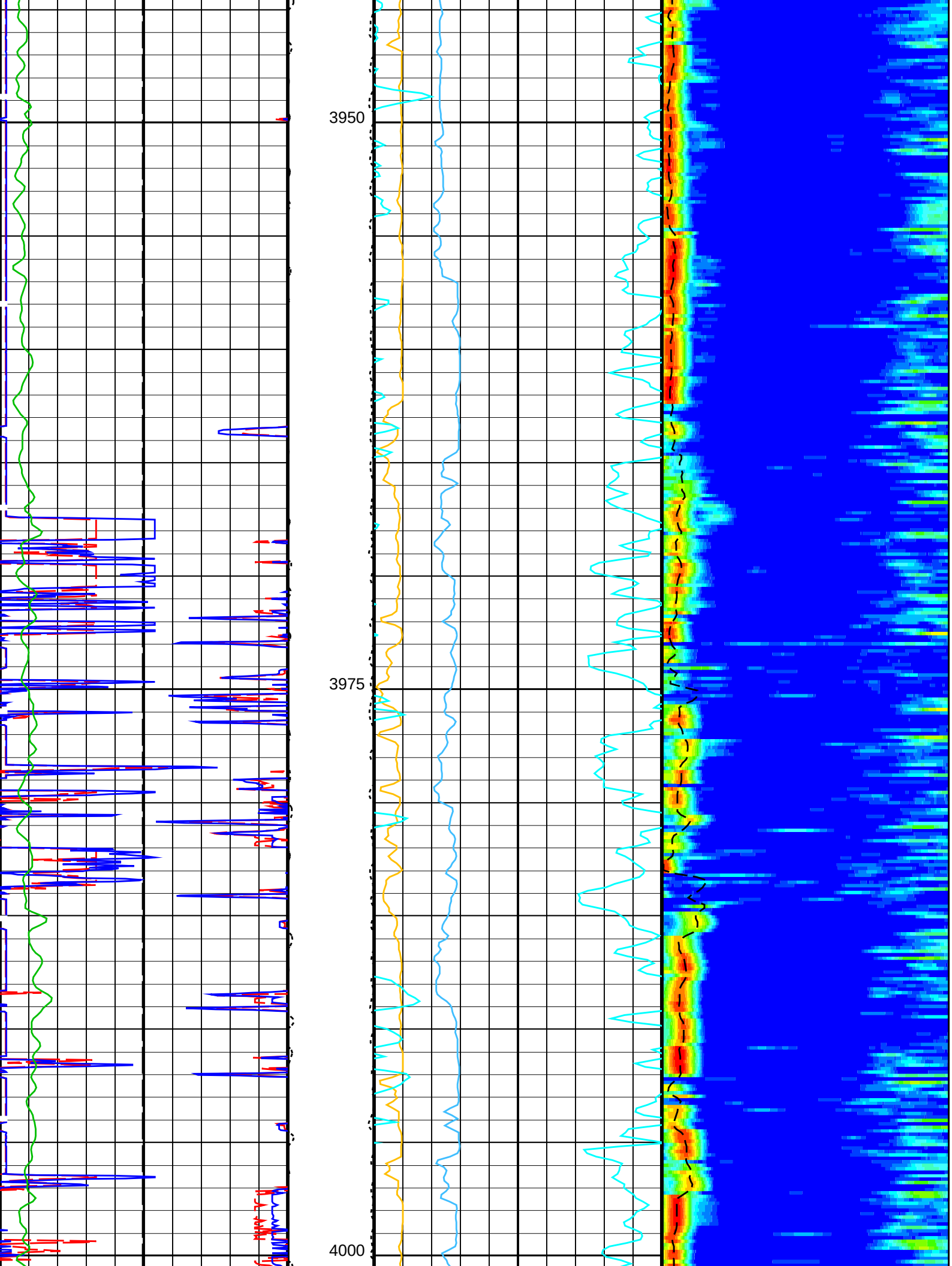

3675
3700

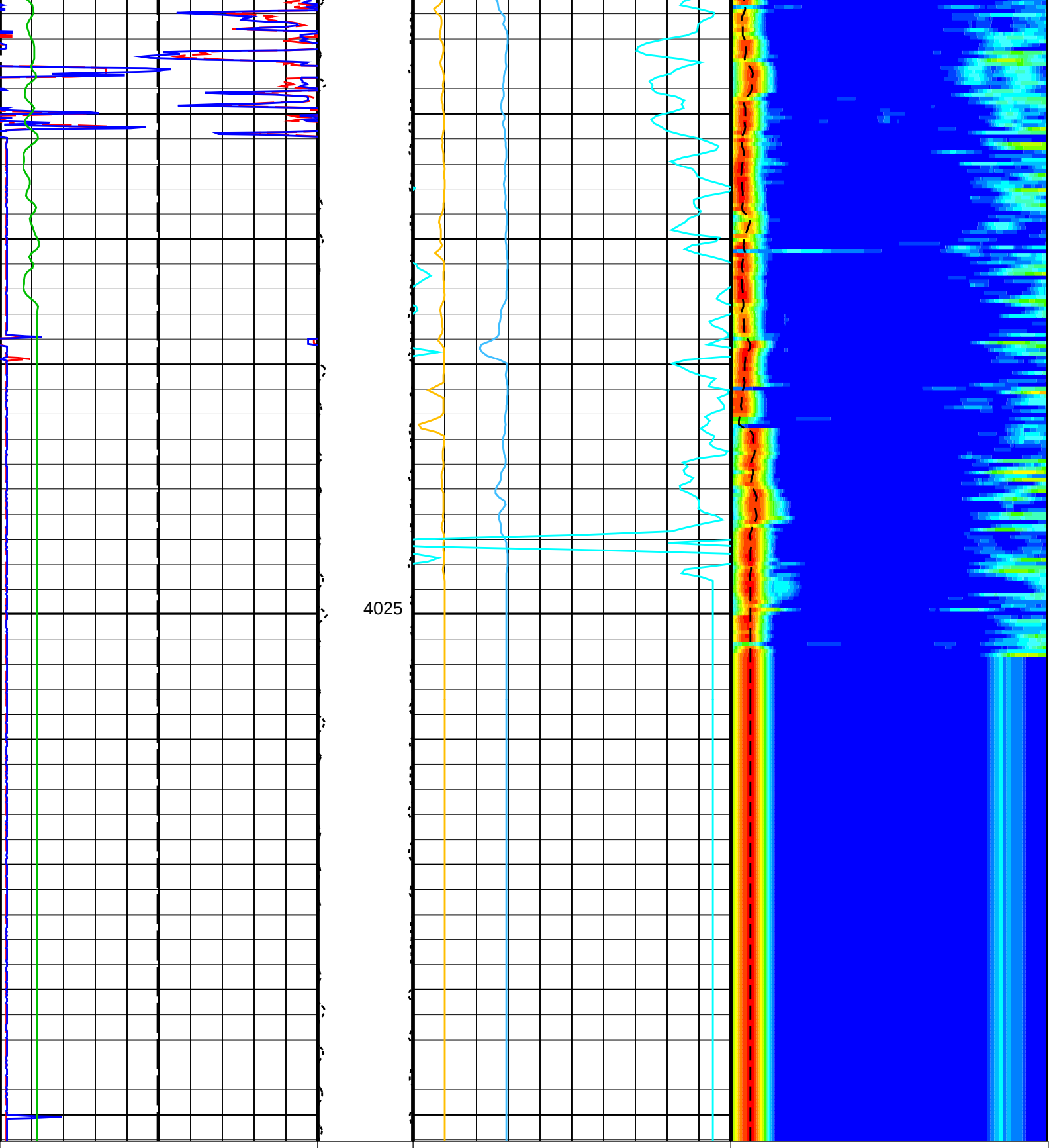

3725
3750
3775


3800
3825


3850
3875

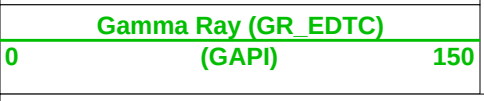

3900
3925


3950
3975
4000



Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	Peak Coherence / RA − Upper Dipole (CHR2) 0 (−−−−) 10
Caliper 1 (C1) 0 (IN) 20		Peak Coherence / TA − Upper Dipole (CHT2) −2 (−−−−) 8
Caliper 2 (C2) 0 (IN) 20		Sonic Velocity (SVEL) 1000 (M/S) 6000

Delta−T Shear / RA − Upper Dipole (DT2R) 75 (US/F) 1200
Min Amplitude Max Rec.Array U.Dipole Slow Proj. CVDL (SPR2) 75 (US/F) 1200



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
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	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
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
SAM2	DSST Sonic Acquisition Mode 2 − Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status − Upper Dipole	255	
SBO2	STC Search Band Offset − Upper Dipole	3000	US
SBW2	STC Search Bandwidth − Upper Dipole	8000	US
SFC2	STC Formation Character − Upper Dipole	SELECTABLE	
SFM2	STC Filter − Upper Dipole	B1−2K	
SLL2	STC Slowness Lower Limit − Upper Dipole	40	US/F
SST2	STC Slowness Step − Upper Dipole	4	US/F
SSW2	STC Source Waveform − Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit − Upper Dipole	1400	US/F
SWD2	STC Slowness Width − Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill − Upper Dipole	0	US
TLL2	STC Time Lower Limit − Upper Dipole	600	US
TST2	STC Time Step − Upper Dipole	200	US
TUL2	STC Time Upper Limit − Upper Dipole	20440	US
TWD2	STC Time Width − Upper Dipole	2000	US
TWI2	STC Integration Time Window − Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 14:12

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP	PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12

Input DLIS Files

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP		PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

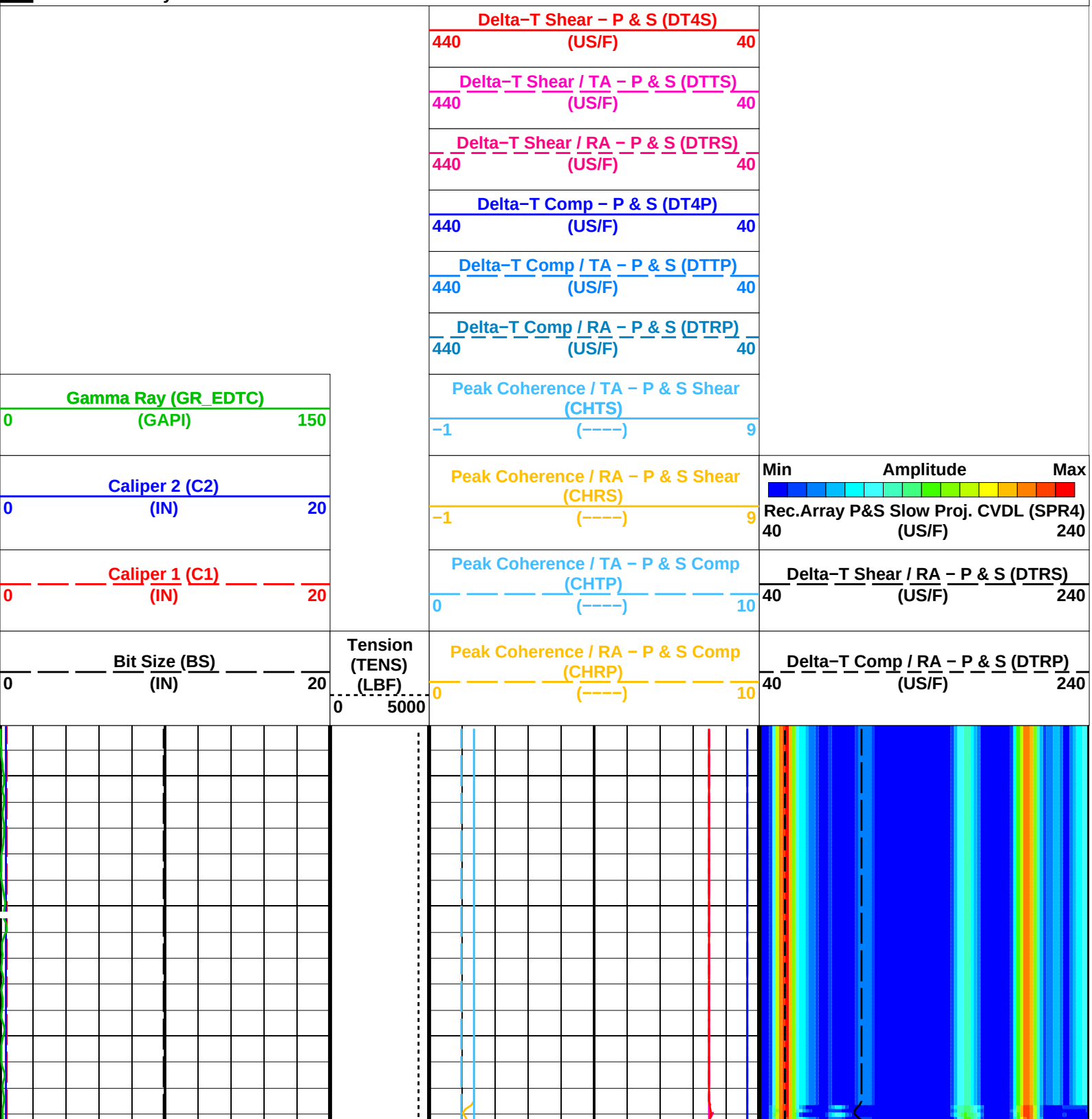
DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12	4046.1 M	3653.0 M

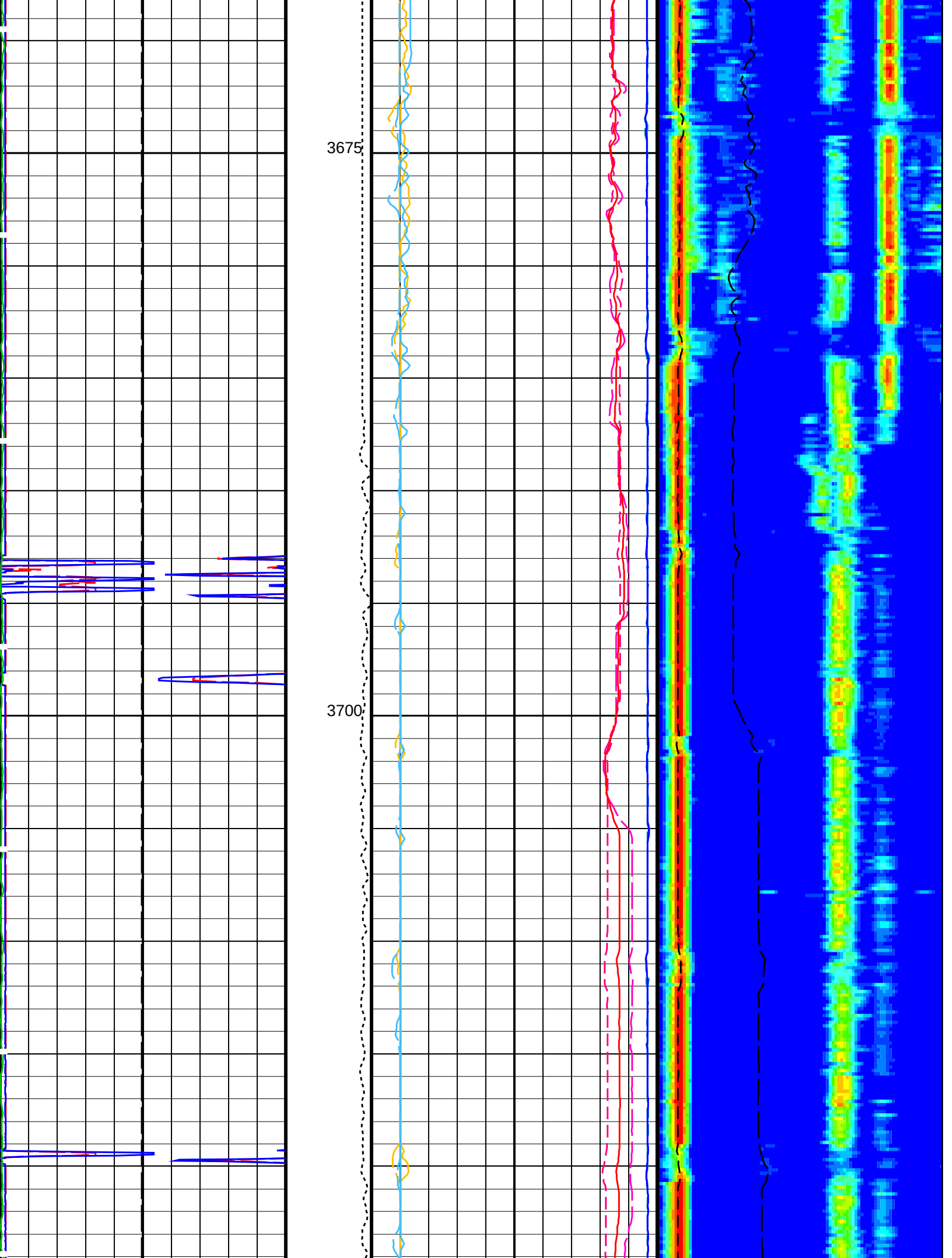
OP System Version: 19C0−187

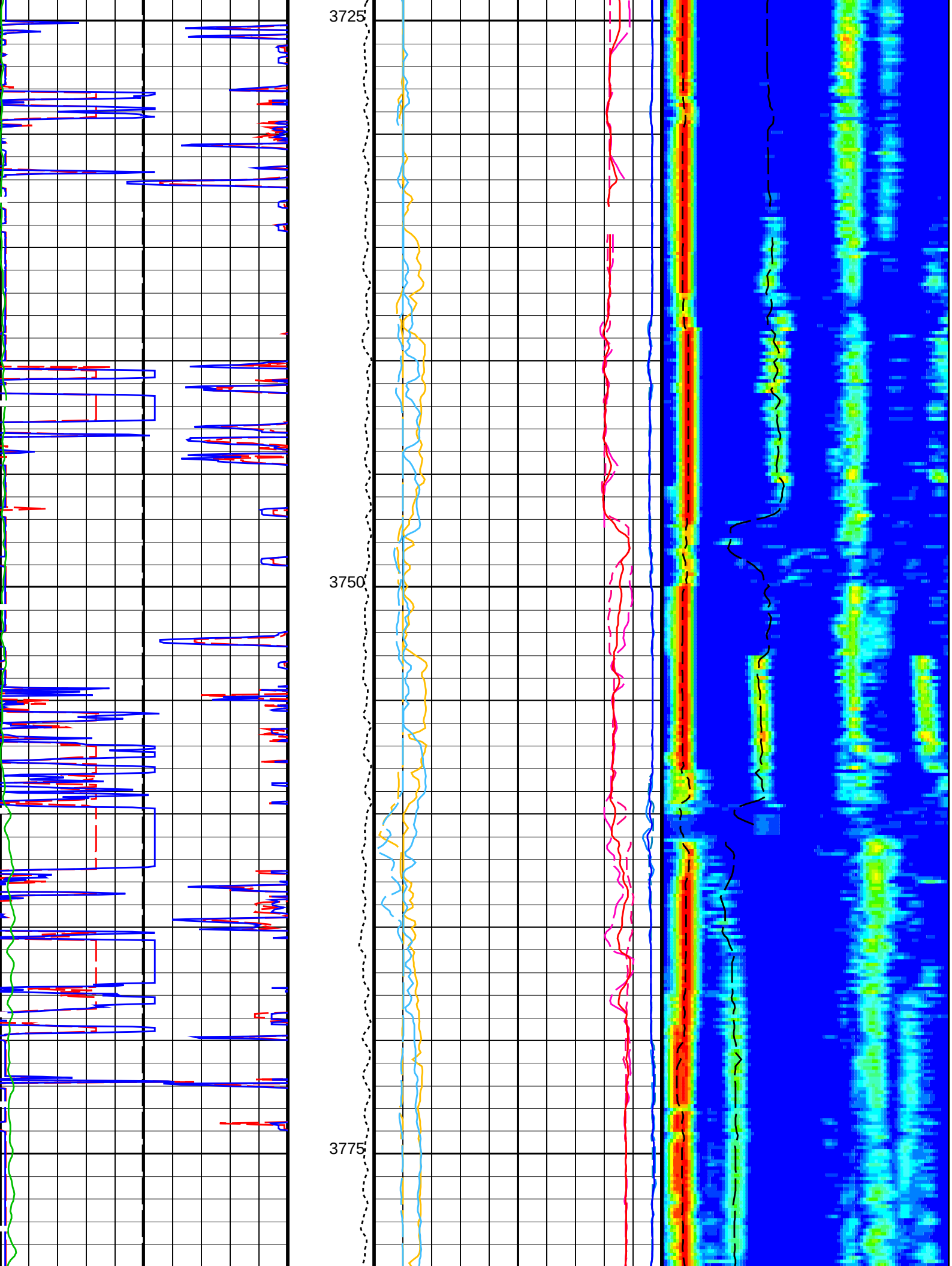
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	SKK−5169−EDTCB

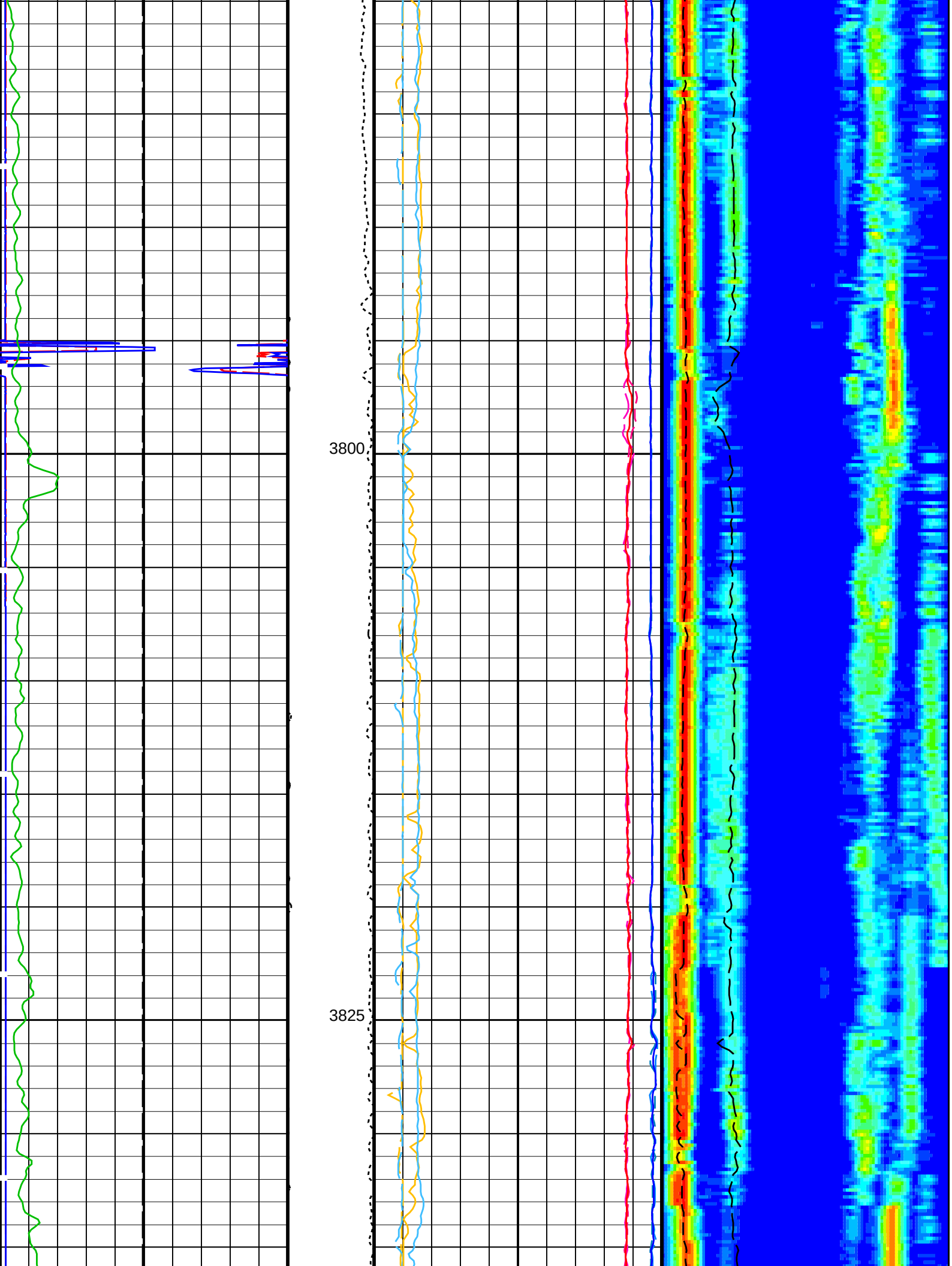
PIP SUMMARY

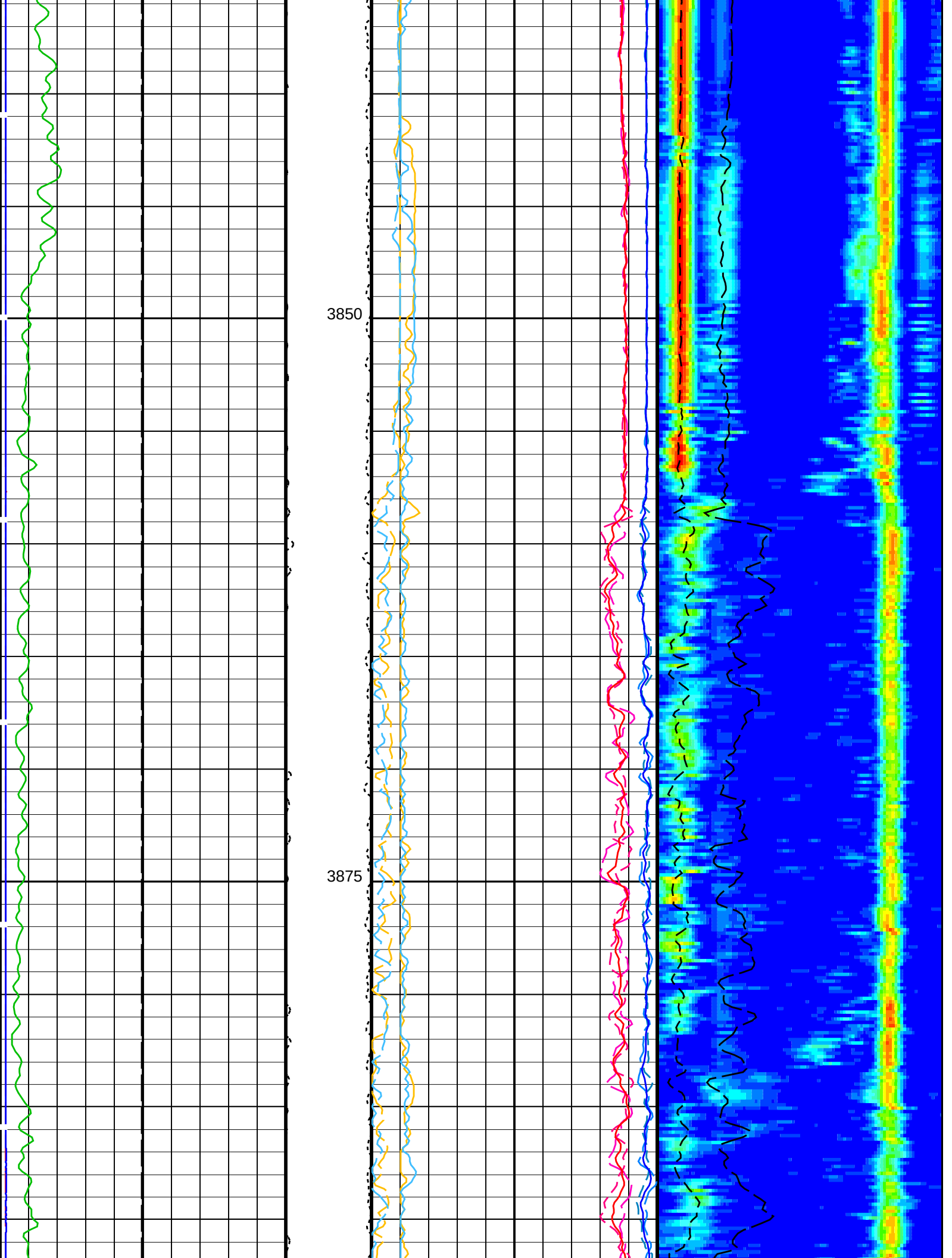
Time Mark Every 60 S

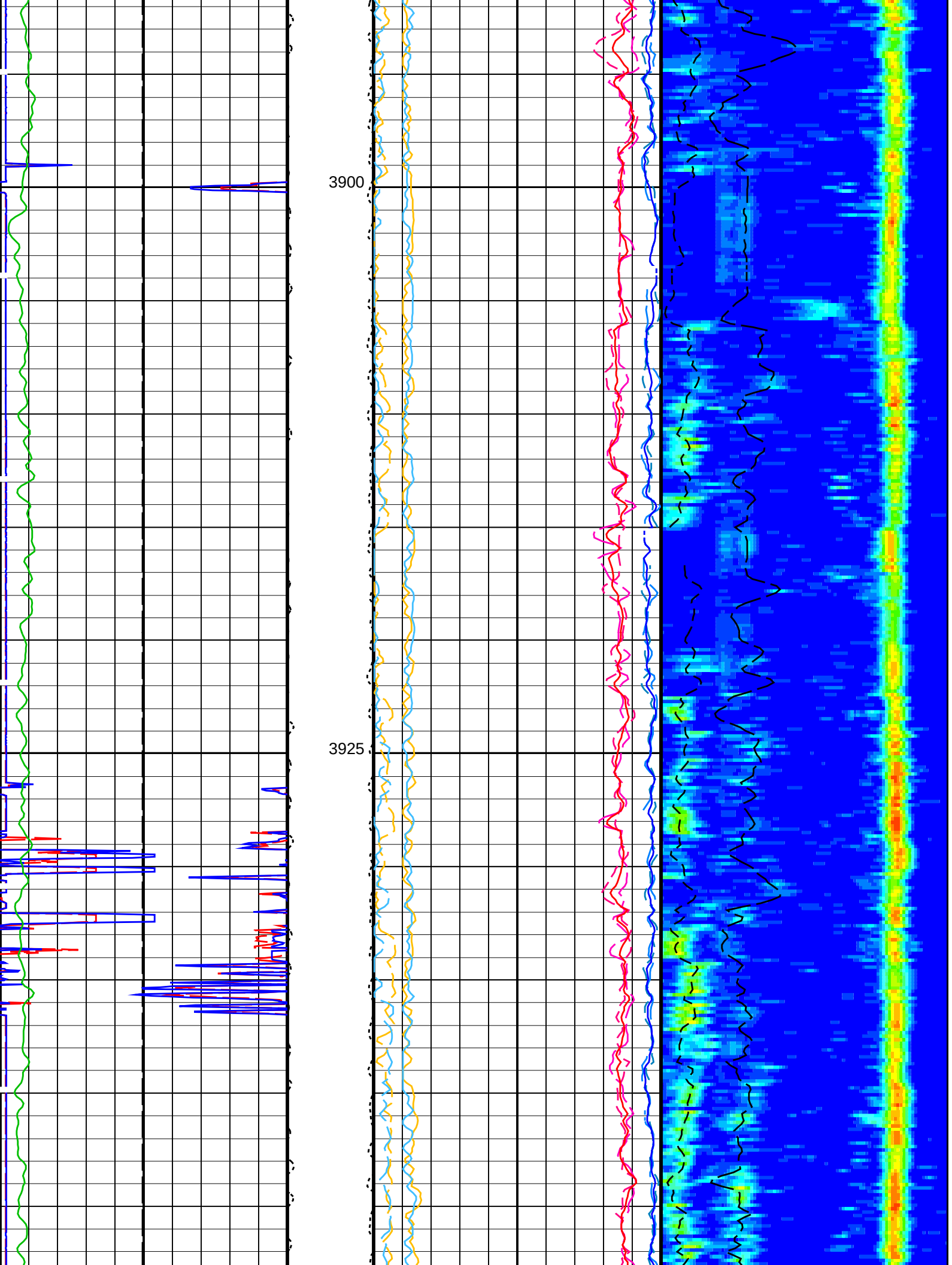


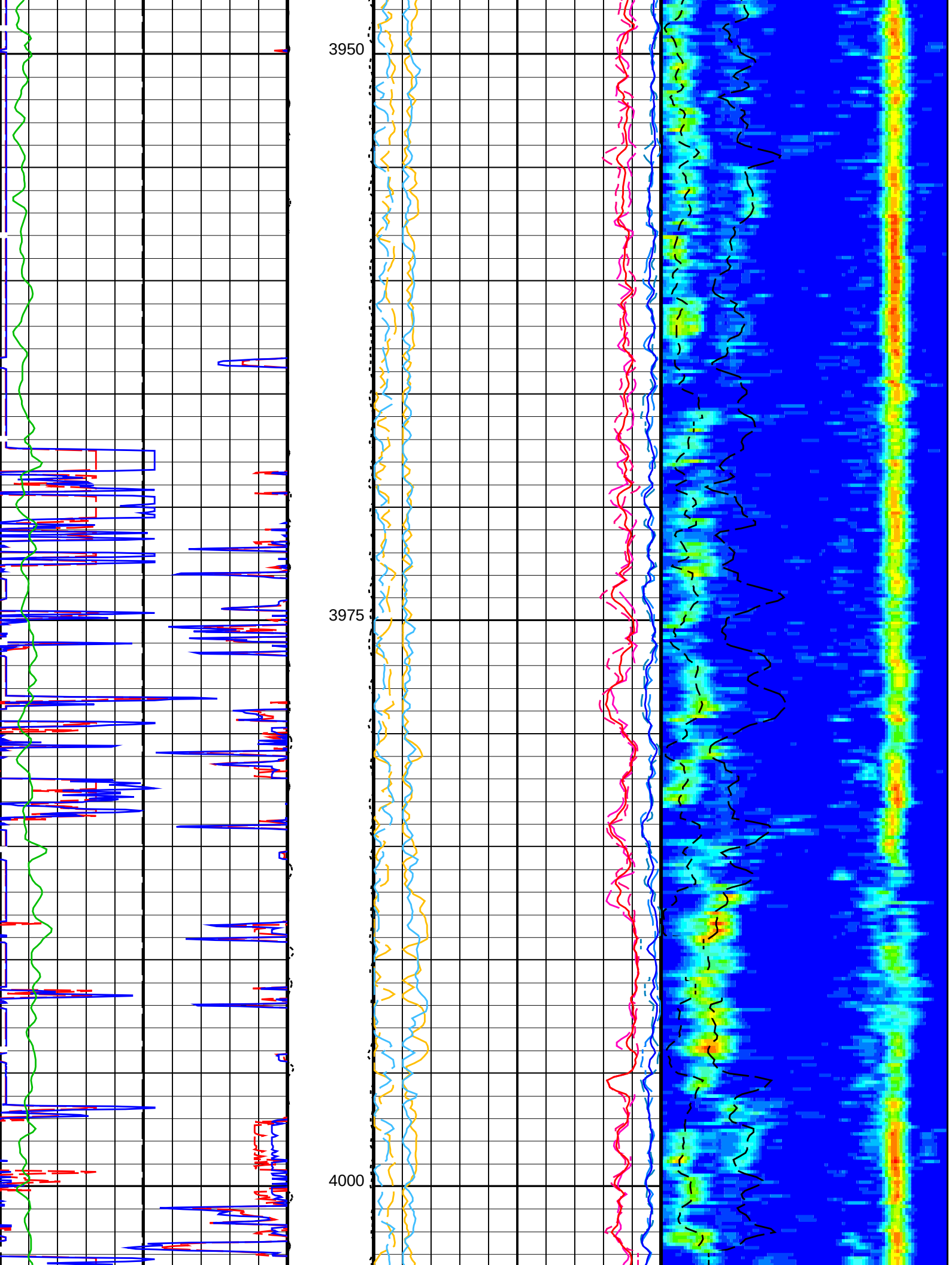

3675
3700

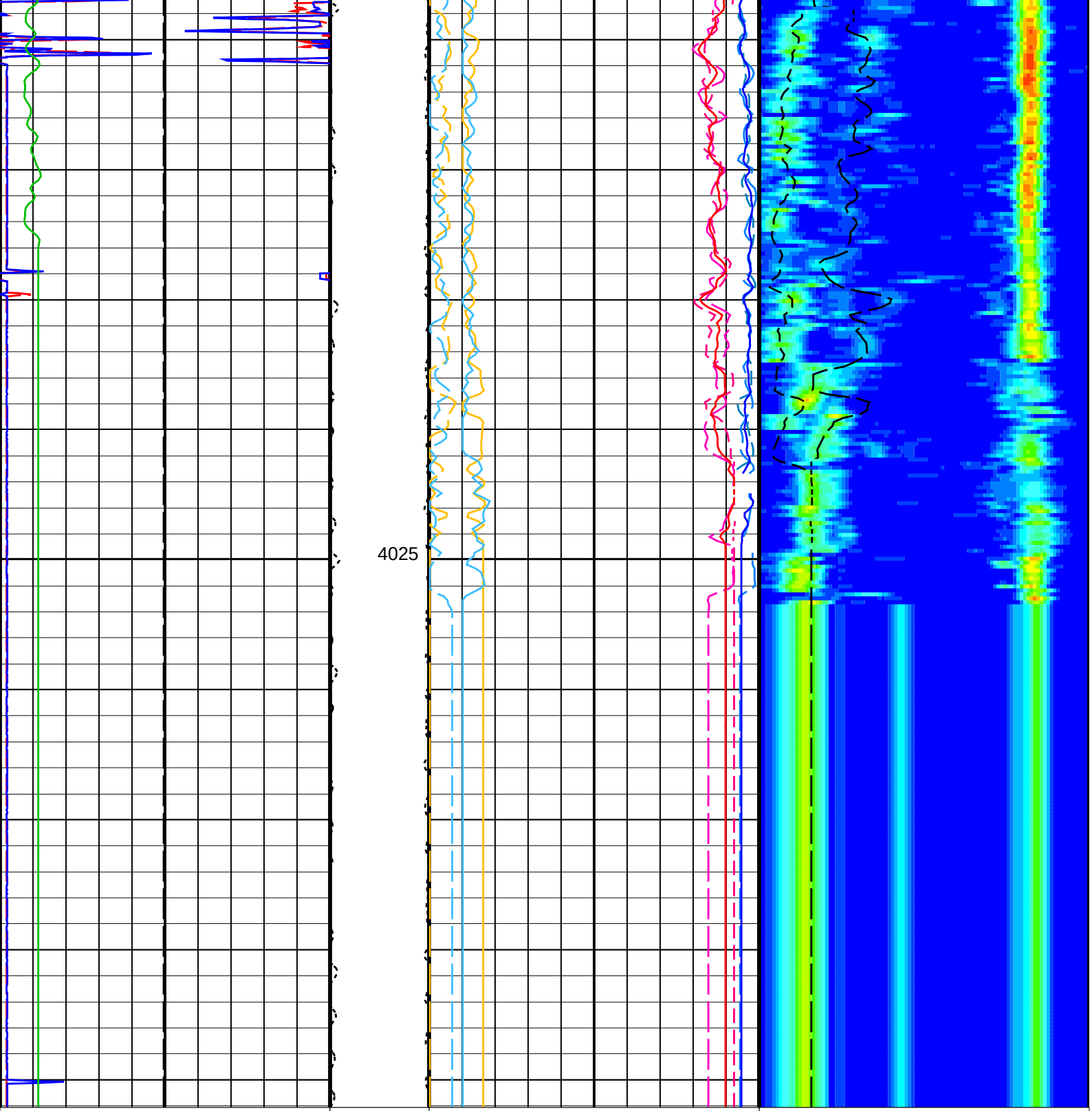

3725
3750
3775


3800
3825


3850
3875


3900
3925


3950
3975
4000



Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	Peak Coherence / RA − P & S Comp (CHRP) 0 (----) 10
Caliper 1 (C1) 0 (IN) 20		Peak Coherence / TA − P & S Comp (CHTP) 0 (----) 10
Caliper 2 (C2) 0 (IN) 20		Peak Coherence / RA − P & S Shear (CHRS) −1 (----) 9
Gamma Ray (GR_EDTC) 0 (GAPI) 150		Peak Coherence / TA − P & S Shear (CHTS) −1 (----) 9

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

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

Delta−T Comp / TA − P & S (DTTP)		
440	(US/F)	40

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

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

Delta−T Shear / TA − P & S (DTTS)		
440	(US/F)	40

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

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	70	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTF	Delta−T Fluid	212	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control − Monopole P&S	COMP	
LFC	Label Formation Character − Monopole P&S	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
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	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
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	70	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	140	US/F
SLL4	STC Slowness Lower Limit − Monopole P&S	40	US/F
SST4	STC Slowness Step − Monopole P&S	2	US/F
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
TWI4	STC Integration Time Window − Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		

BHS	Borehole Status	OPEN	
EDTC−B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 14:12

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP	PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12	

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP	PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

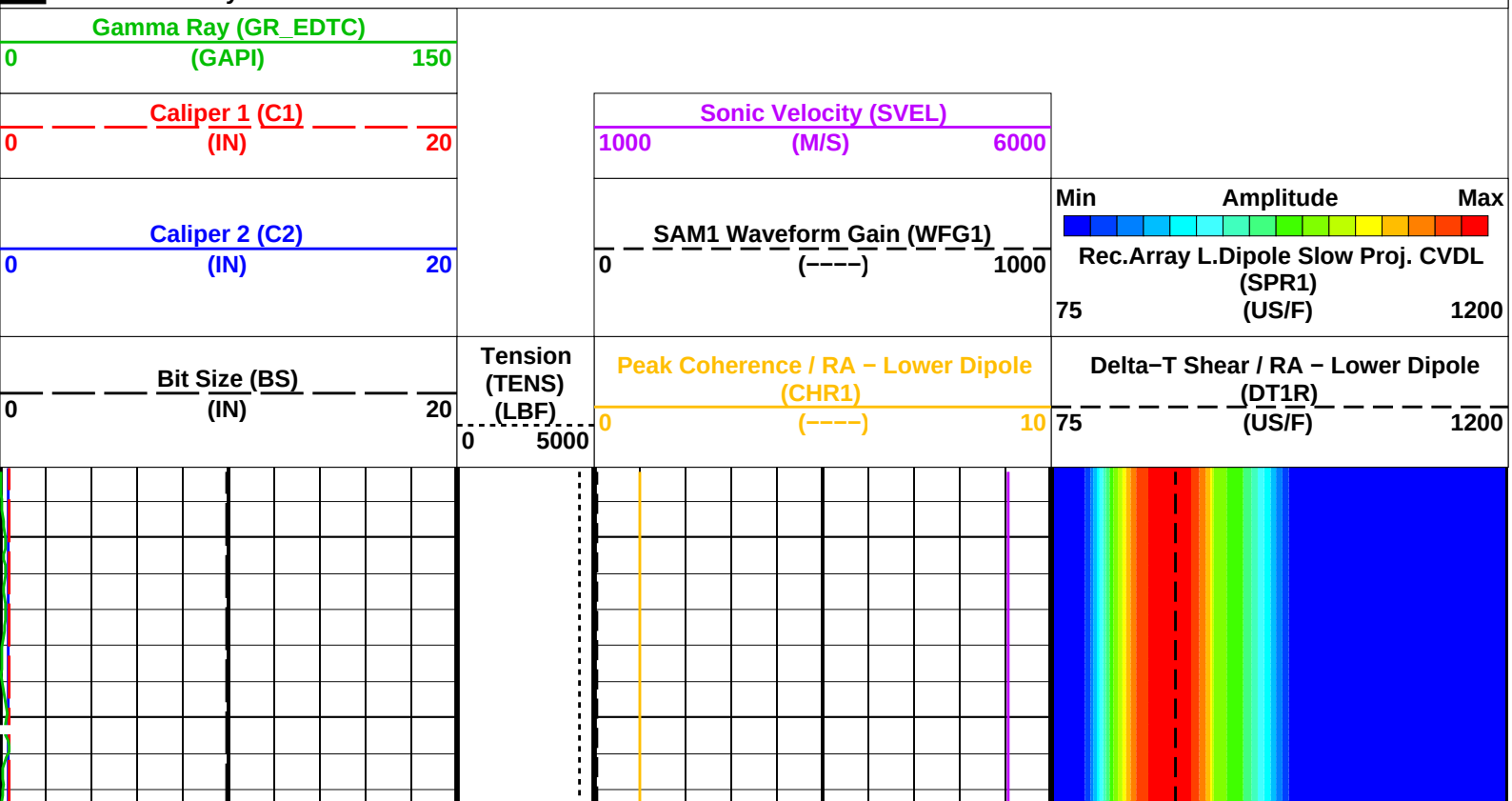
DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12	4046.1 M	3653.0 M

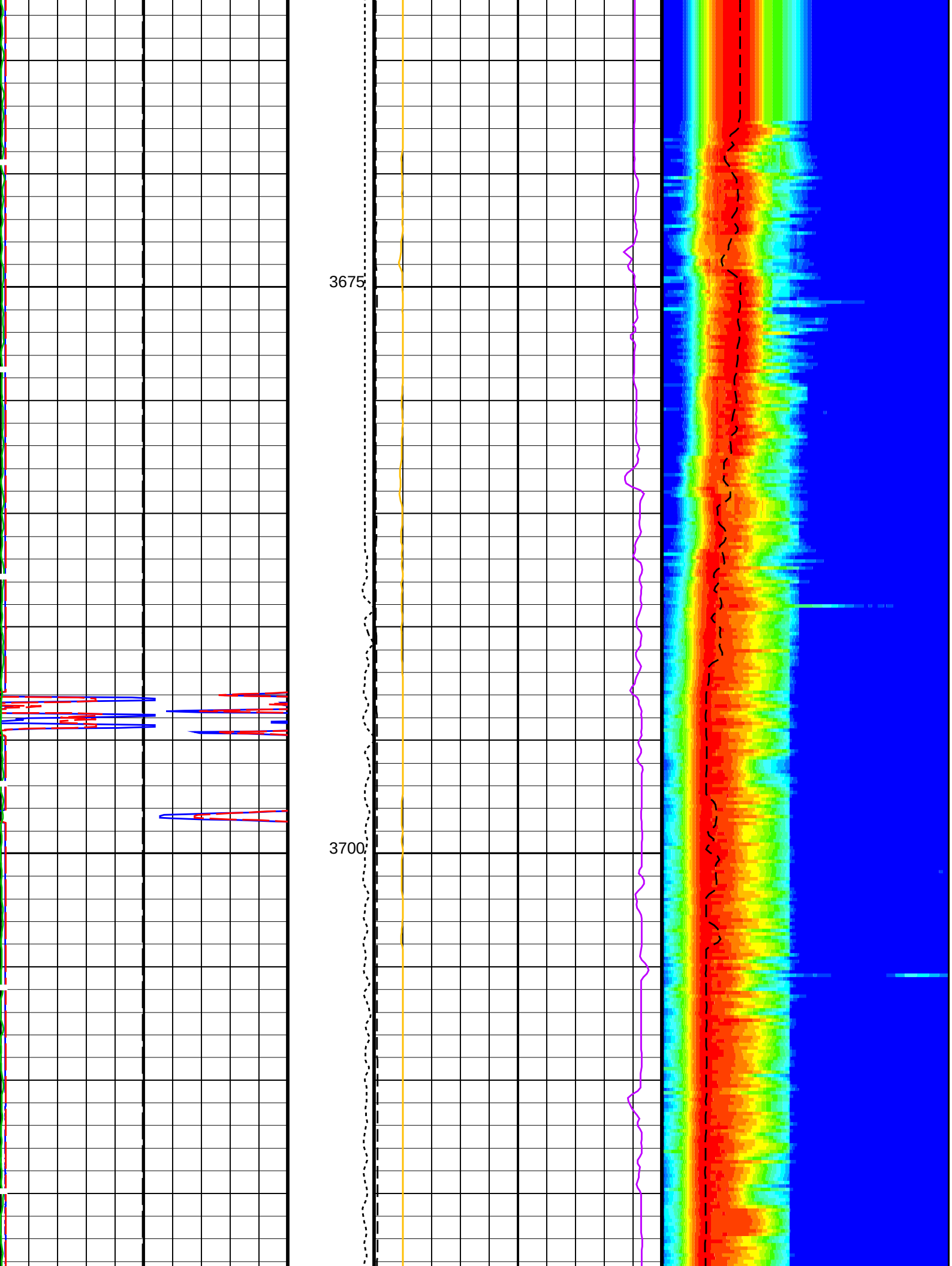
OP System Version: 19C0−187

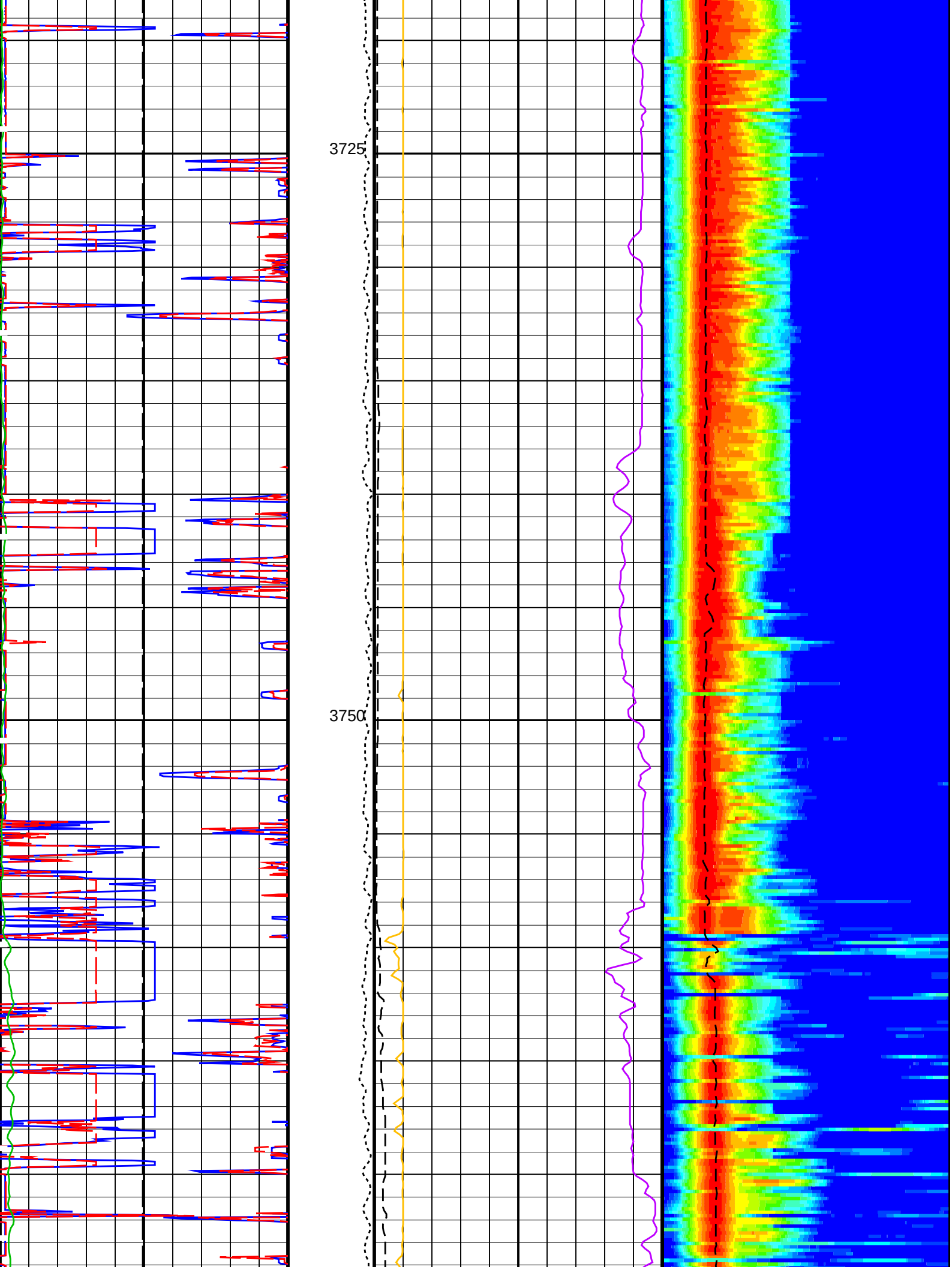
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	SKK−5169−EDTCB

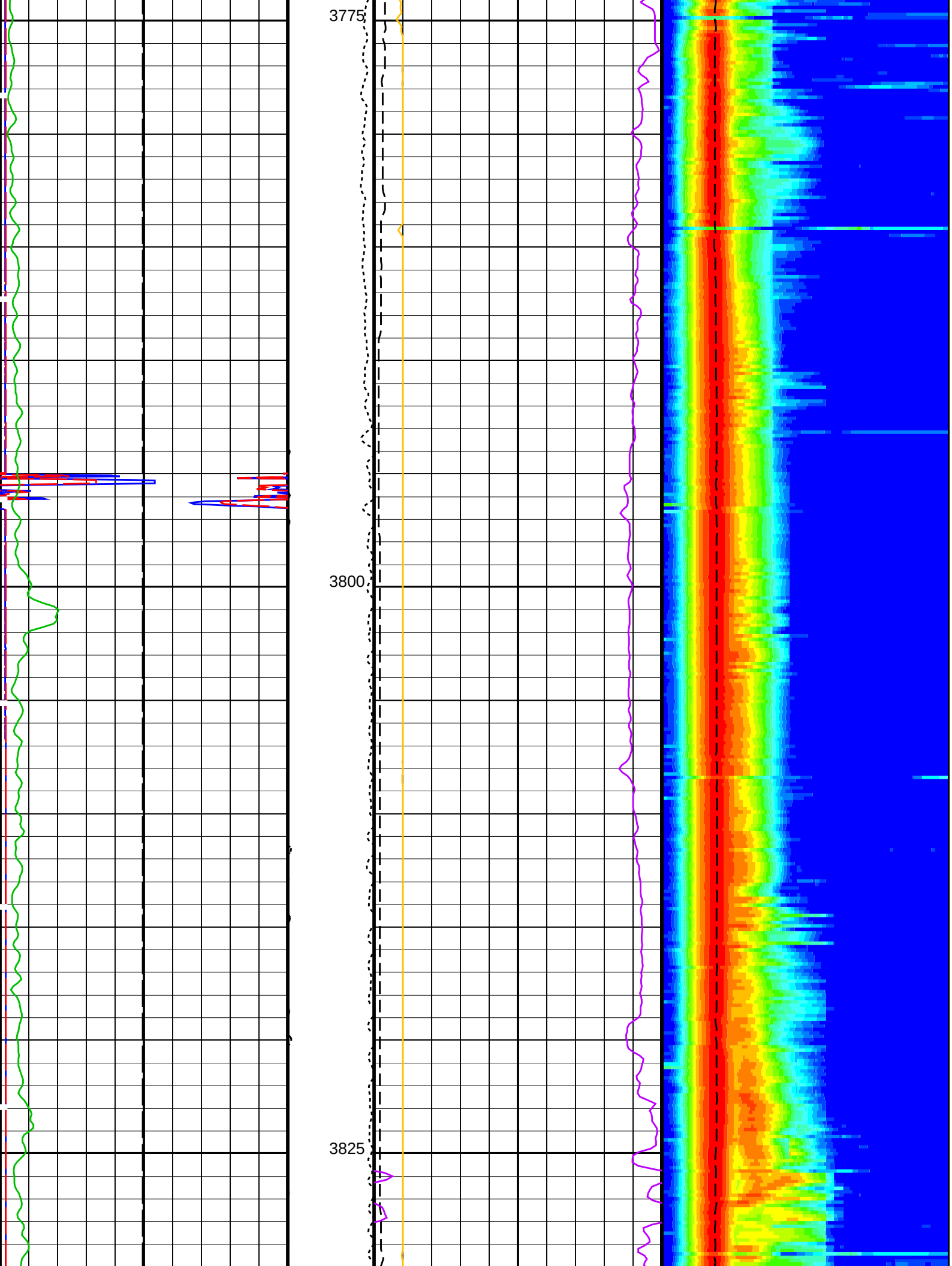
PIP SUMMARY

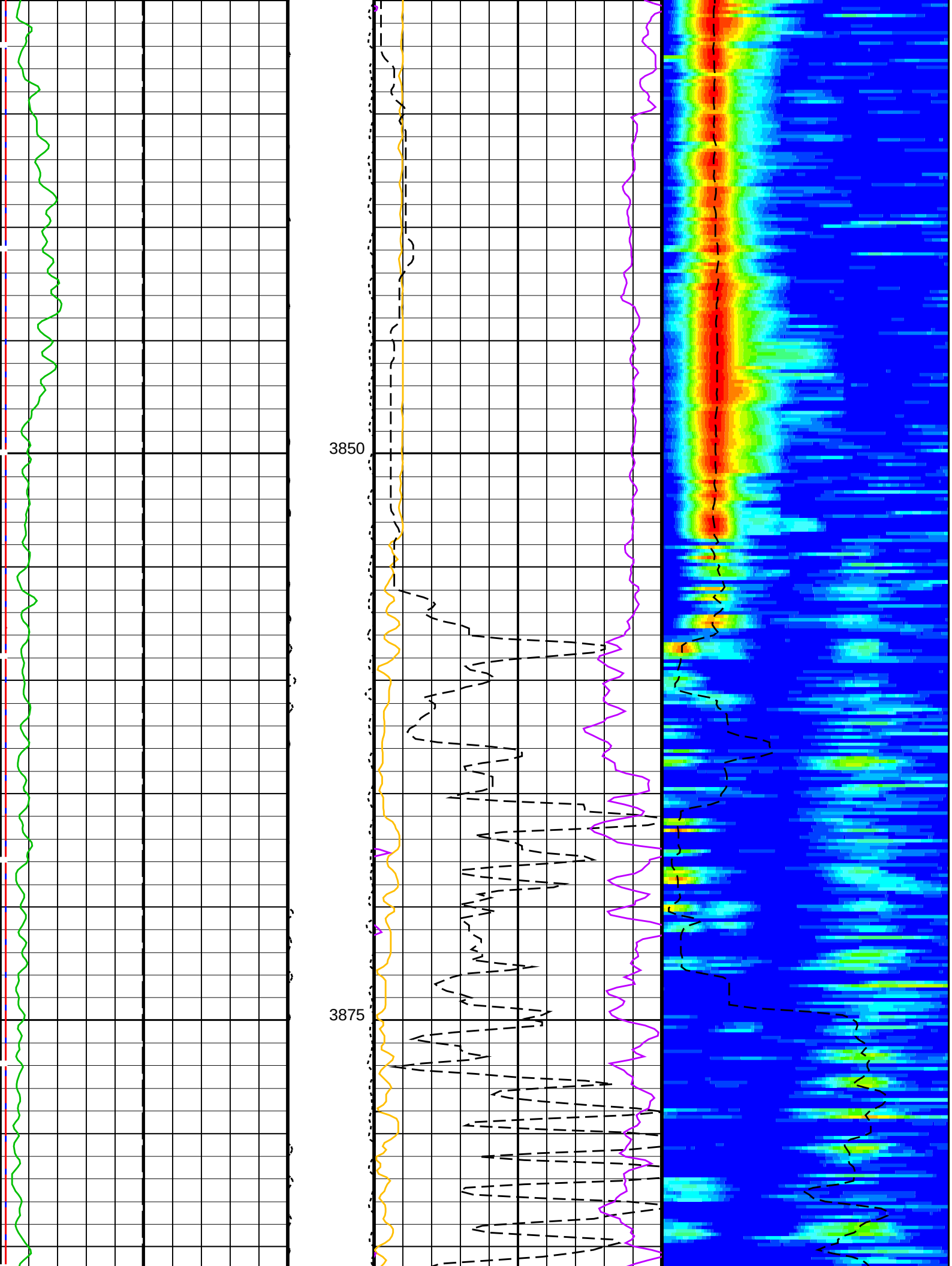
Time Mark Every 60 S

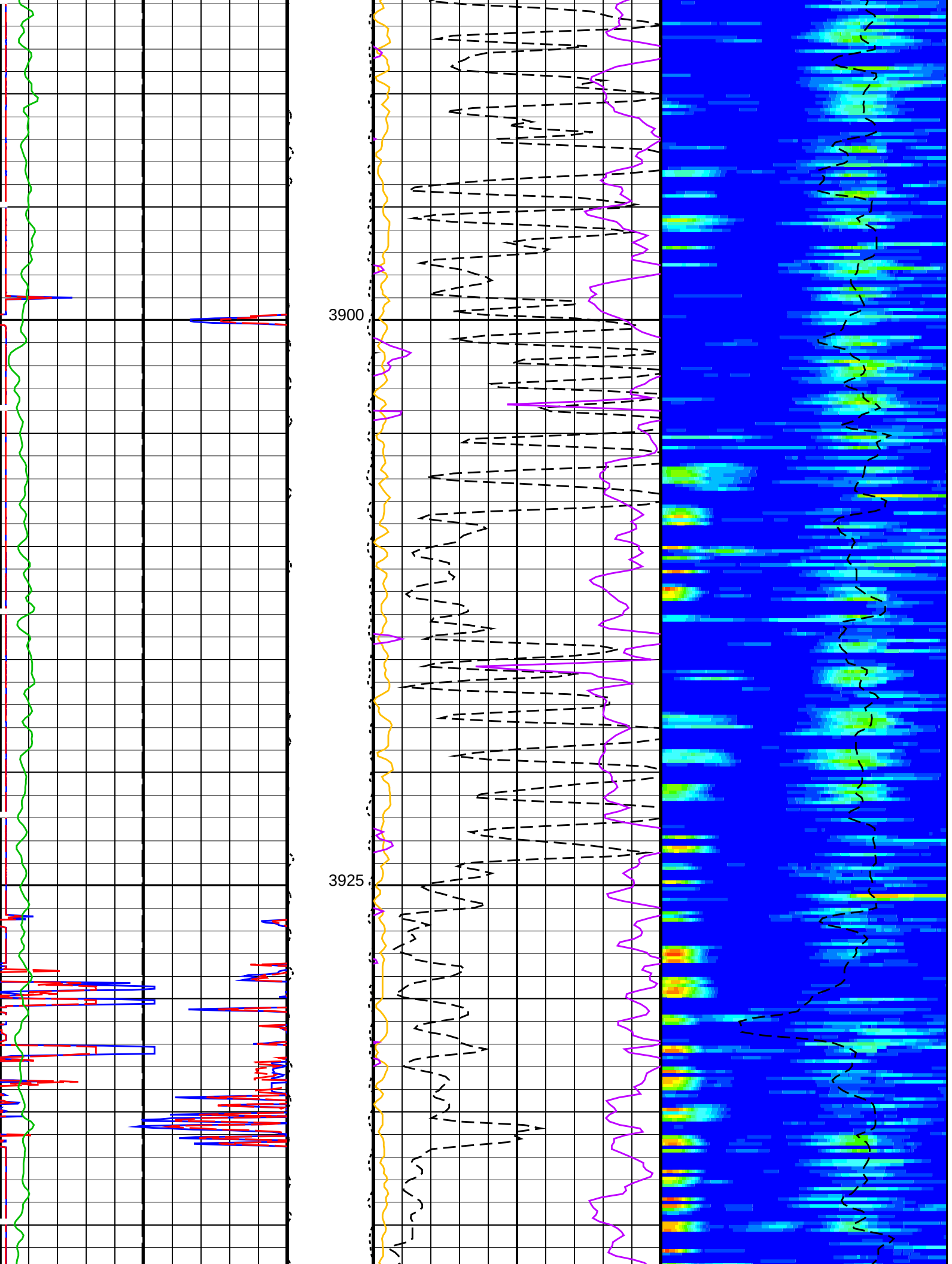


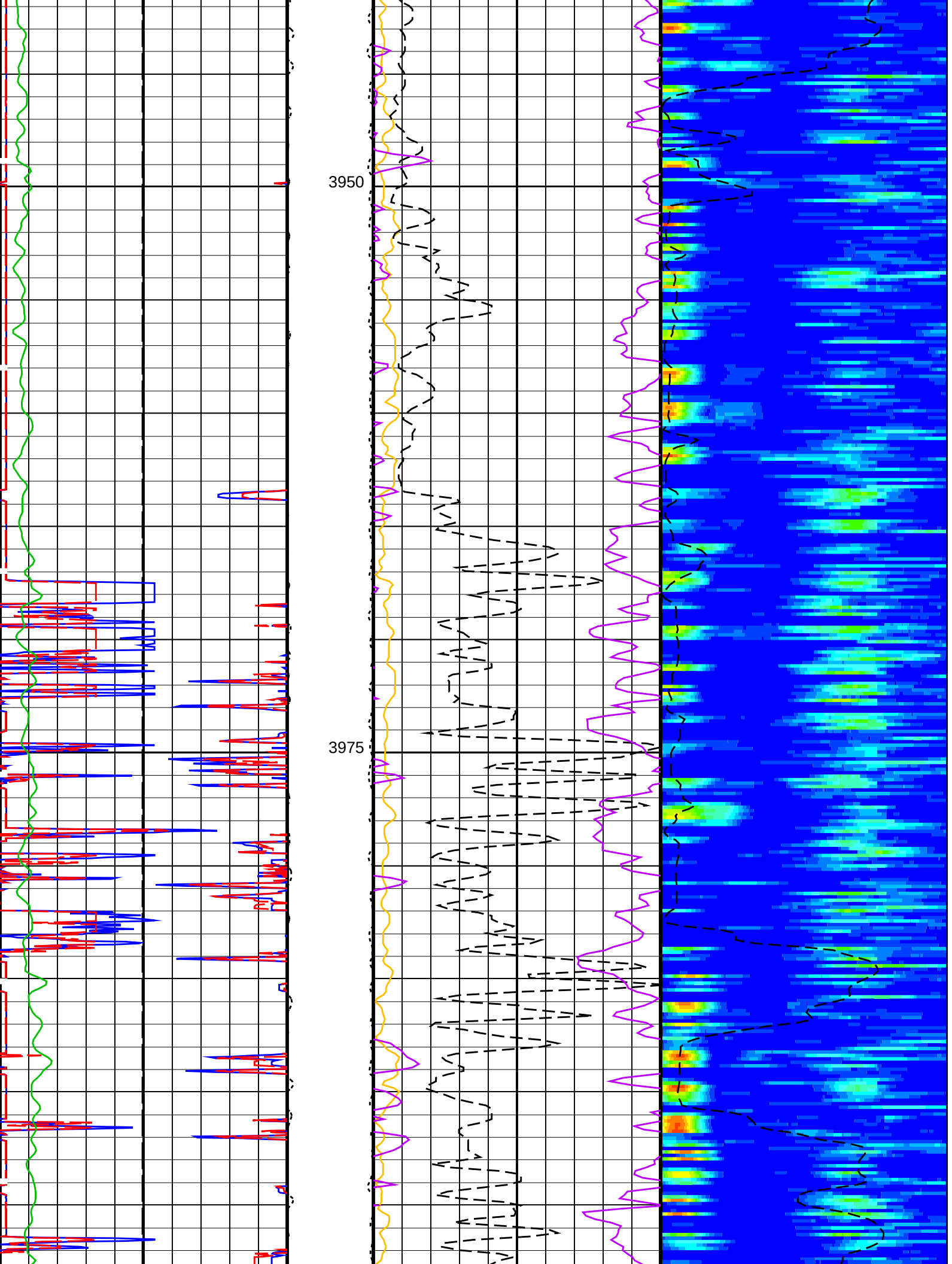

3675
3700

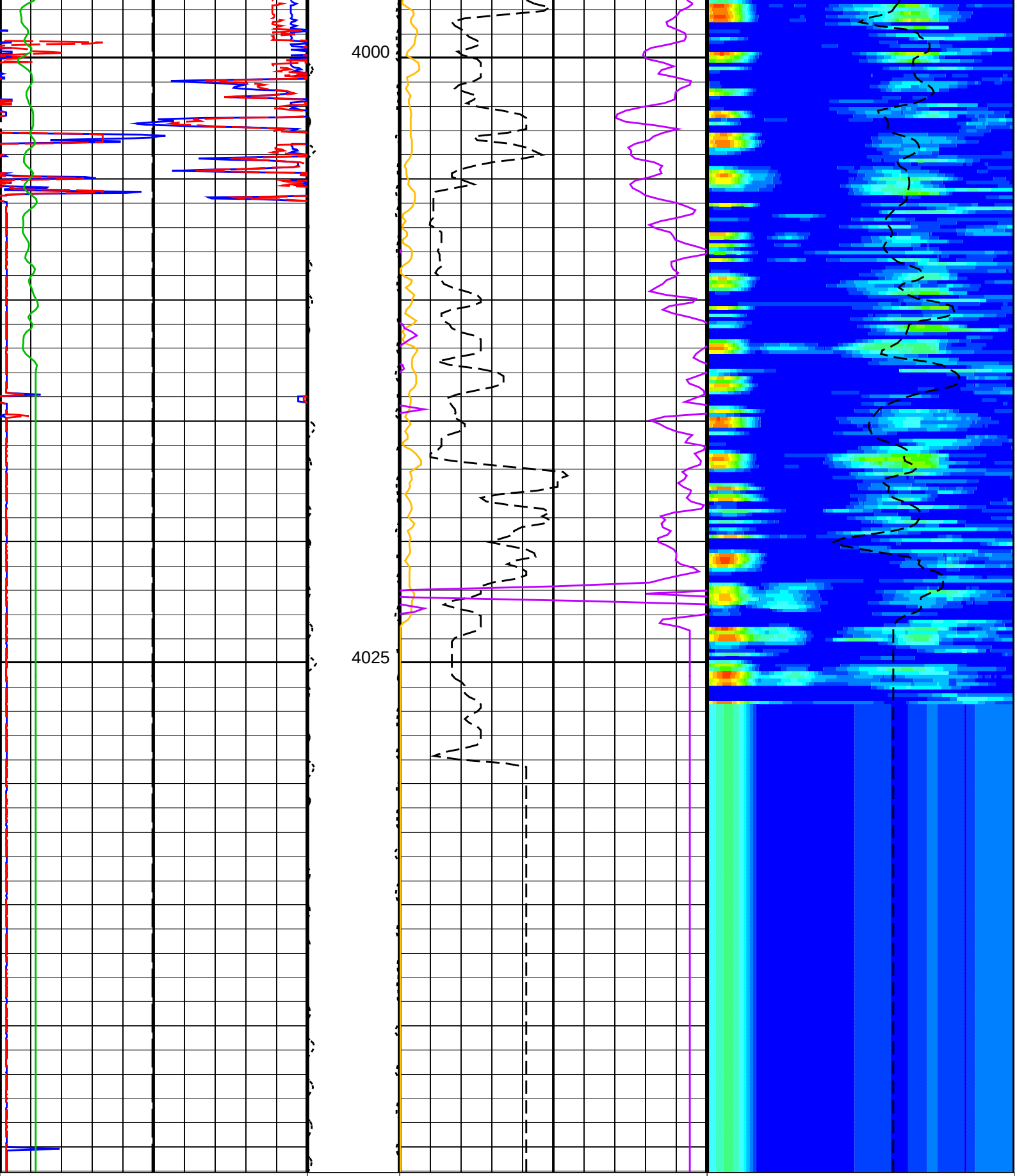

3725
3750


3775
3800
3825


3850
3875


3900
3925


3950
3975



Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Lower Dipole (CHR1)	Delta−T Shear / RA − Lower Dipole (DT1R)
0 (IN) 20	(LBF) 0 5000	0 (−−−−) 10	75 (US/F) 1200

Caliper 2 (C2)		SAM1 Waveform Gain (WFG1)	Amplitude
0 (IN) 20		0 (−−−−) 1000	Min Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1) 75 (US/F) 1200

Caliper 1 (C1)		
0	(IN)	20

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

Gamma Ray (GR_EDTC)		
0	(GAPI)	150

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source − Dipole Shear	USE	
DSHL	Label Slowness Lower Limit − Dipole Shear	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 − Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status − Lower Dipole	255	
SBO1	STC Search Band Offset − Lower Dipole	3000	US
SBW1	STC Search Bandwidth − Lower Dipole	8000	US
SFC1	STC Formation Character − Lower Dipole	SELECTABLE	
SFM1	STC Filter − Lower Dipole	B.3−1.5K	
SLL1	STC Slowness Lower Limit − Lower Dipole	40	US/F
SST1	STC Slowness Step − Lower Dipole	4	US/F
SSW1	STC Source Waveform − Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit − Lower Dipole	1400	US/F
SWD1	STC Slowness Width − Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill − Lower Dipole	0	US
TLL1	STC Time Lower Limit − Lower Dipole	600	US
TST1	STC Time Step − Lower Dipole	200	US
TUL1	STC Time Upper Limit − Lower Dipole	20440	US
TWD1	STC Time Width − Lower Dipole	2000	US
TWI1	STC Integration Time Window − Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 14:12

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP	PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12

Company: International Ocean Discovery Program | Well: Expedition 393, Site U1560B

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP		PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12	4046.1 M	3653.0 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	EDTC−B	SKK−5169−EDTCB

PIP SUMMARY

Time Mark Every 60 S

Delta−T Stoneley (DTST) 440 (US/F) 40

Gamma Ray (GR_EDTC) 0 (GAPI) 150

Delta−T Stoneley / TA (DT3T) 440 (US/F) 40

Caliper 2 (C2) 0 (IN) 20

Delta−T Stoneley / RA (DT3R) 440 (US/F) 40

Caliper 1 (C1) 0 (IN) 20

Peak Coherence / TA − Stoneley (CHT3) −2 (−−−−) 8

Min Amplitude Max

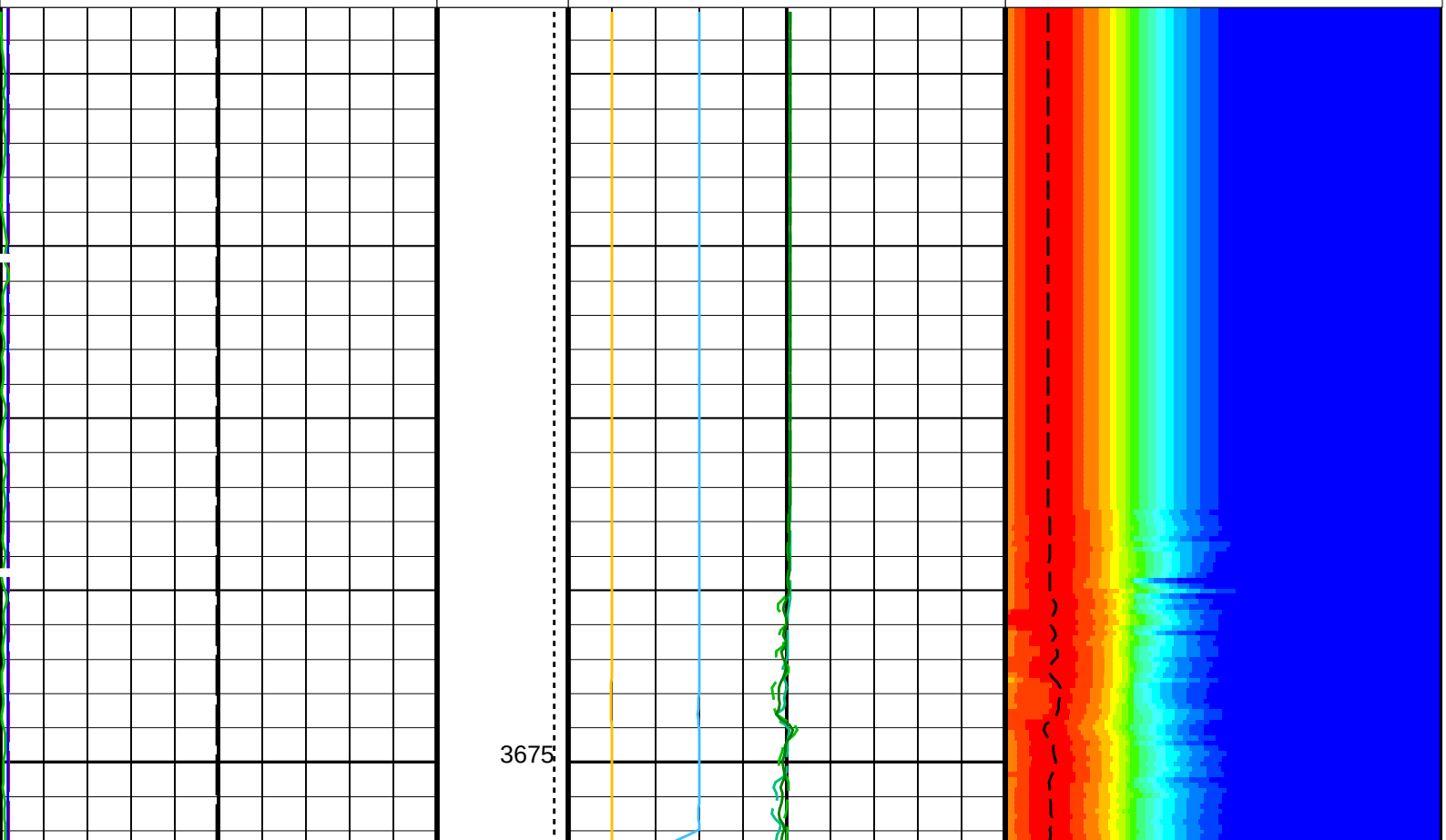
Rec.Array Stoneley Slow Proj. CVDL (SPR3) 180 (US/F) 780

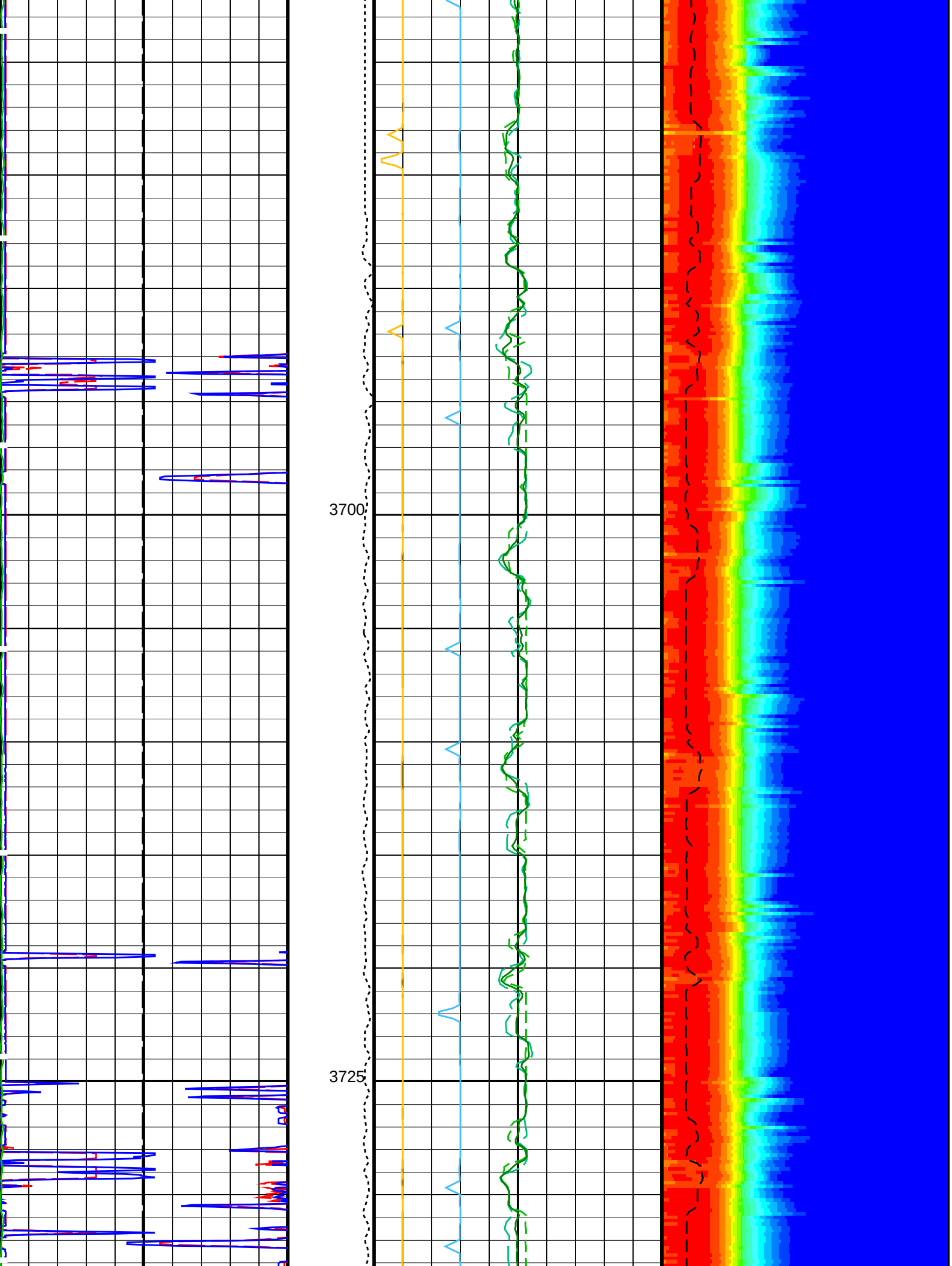
Bit Size (BS) 0 (IN) 20

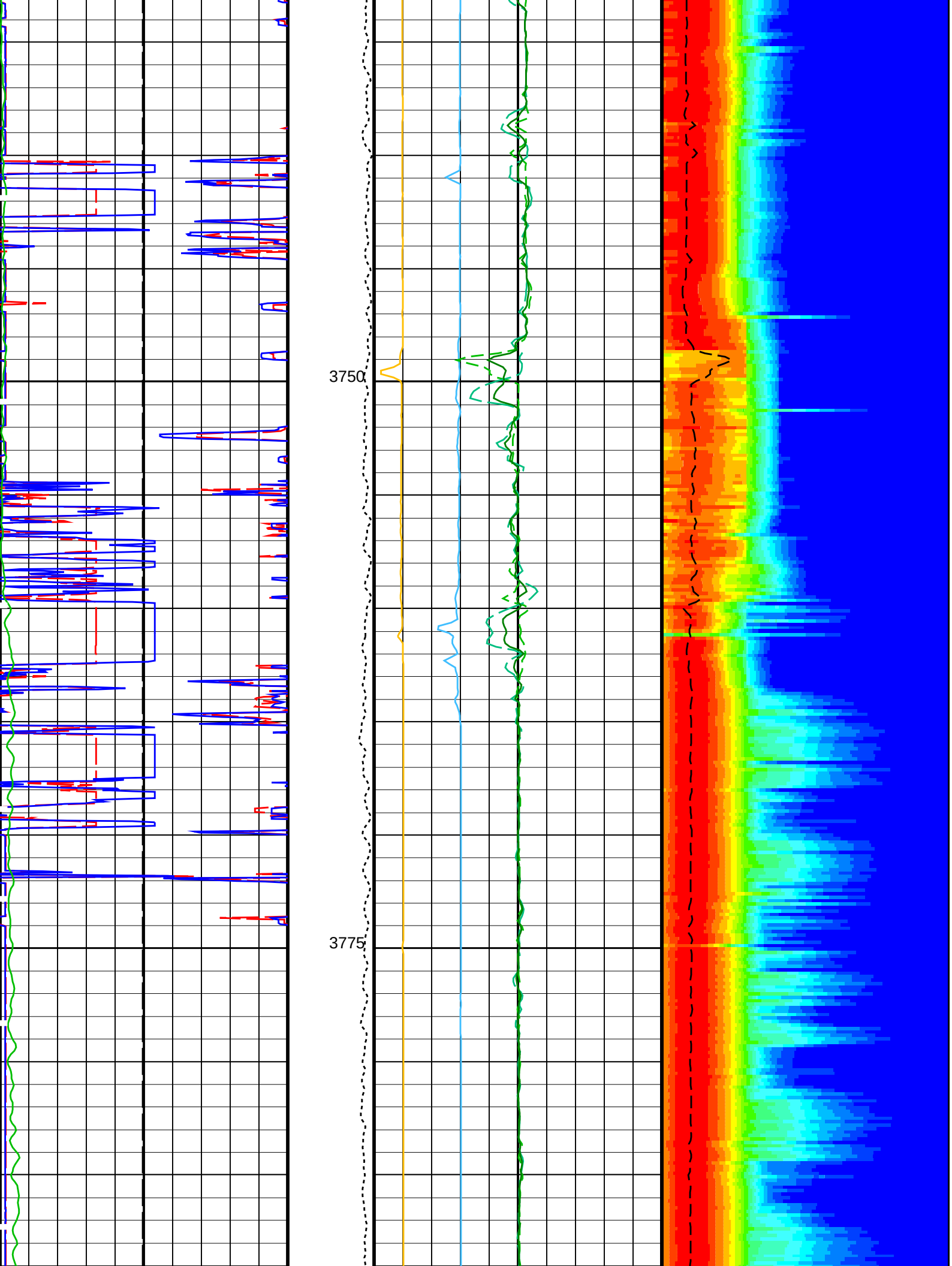
Tension (TENS) (LBF) 0 5000

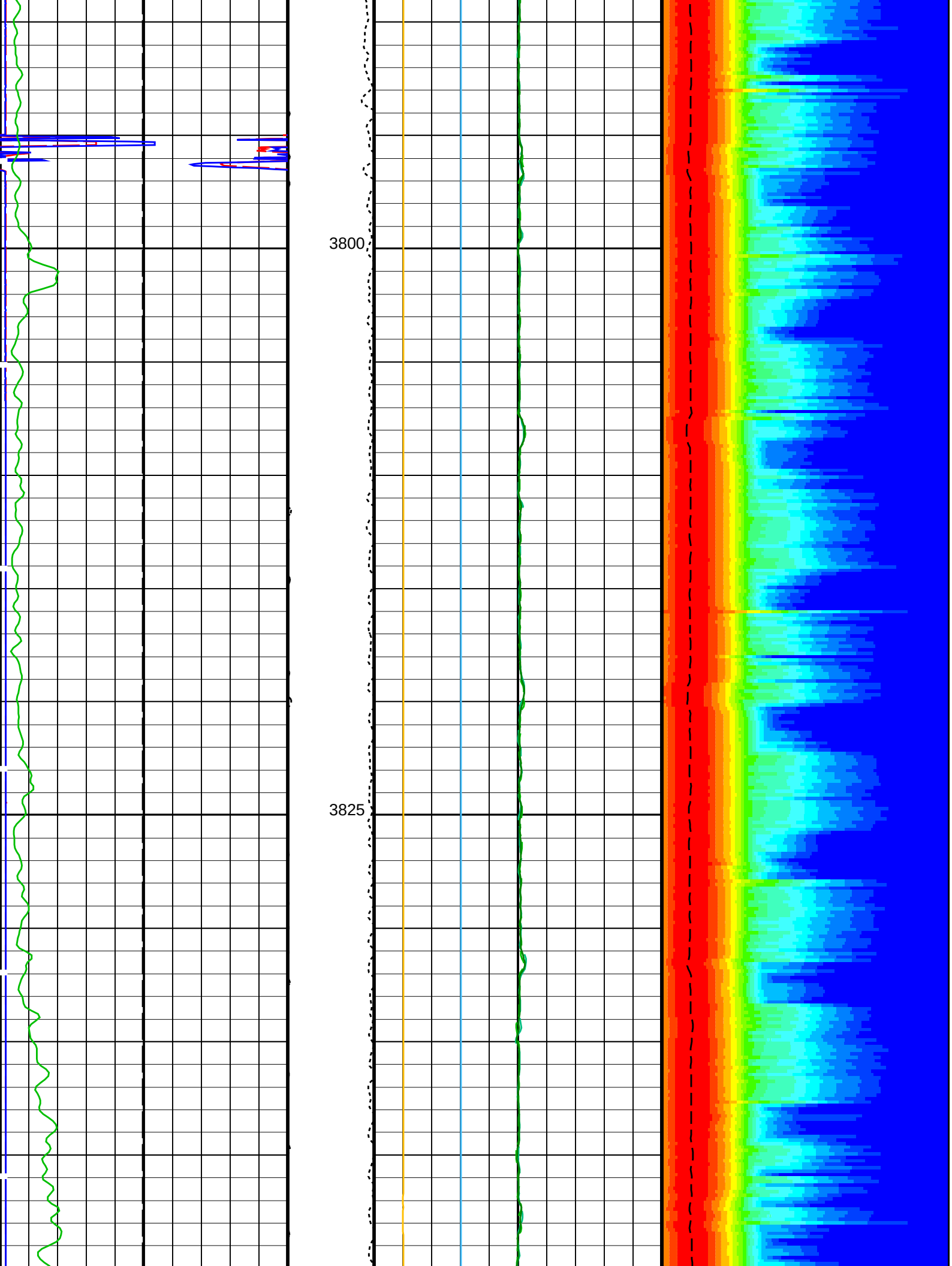
Peak Coherence / RA − Stoneley (CHR3) 0 (−−−−) 10

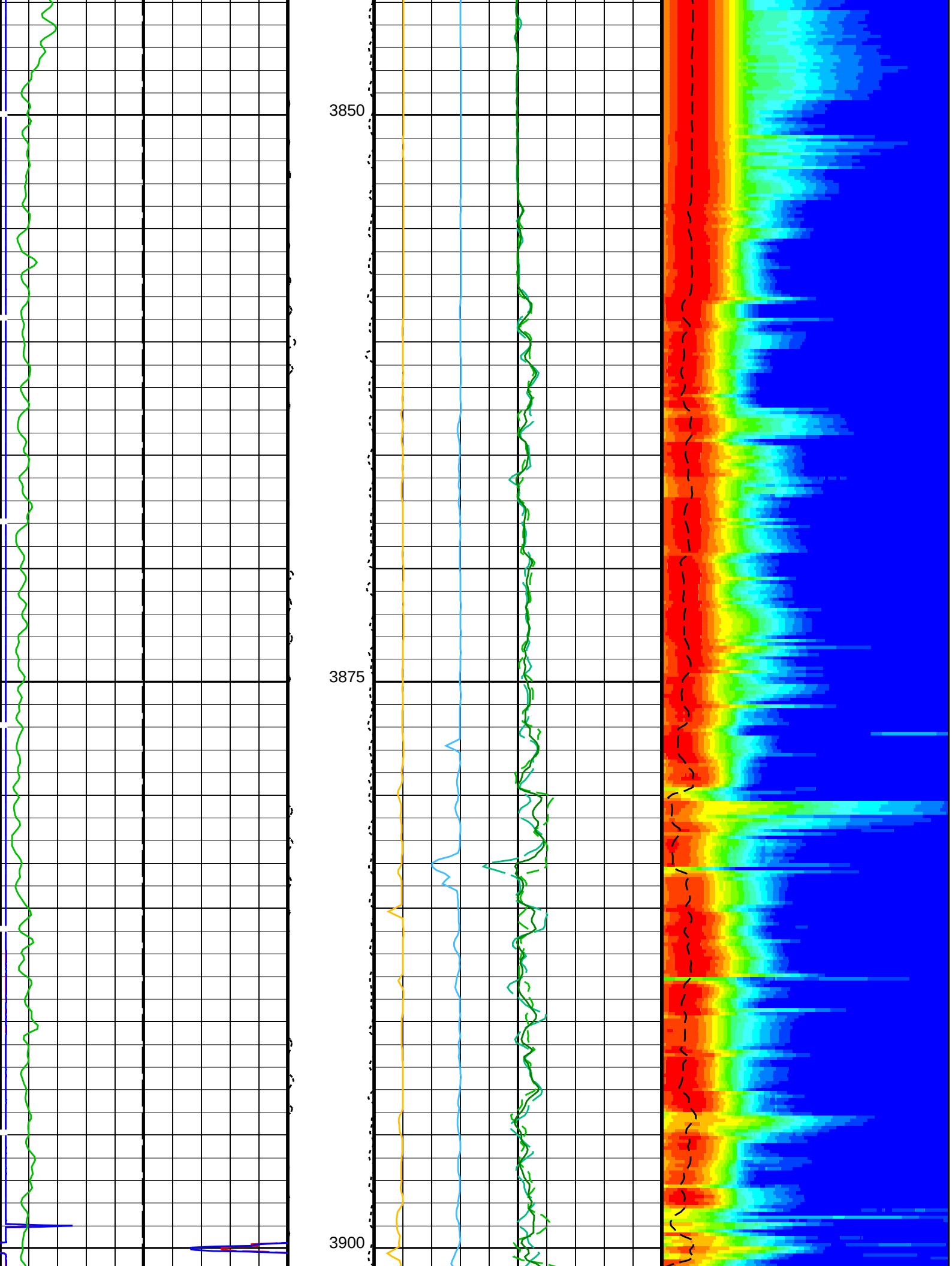
Delta−T Stoneley / RA (DT3R) 180 (US/F) 780

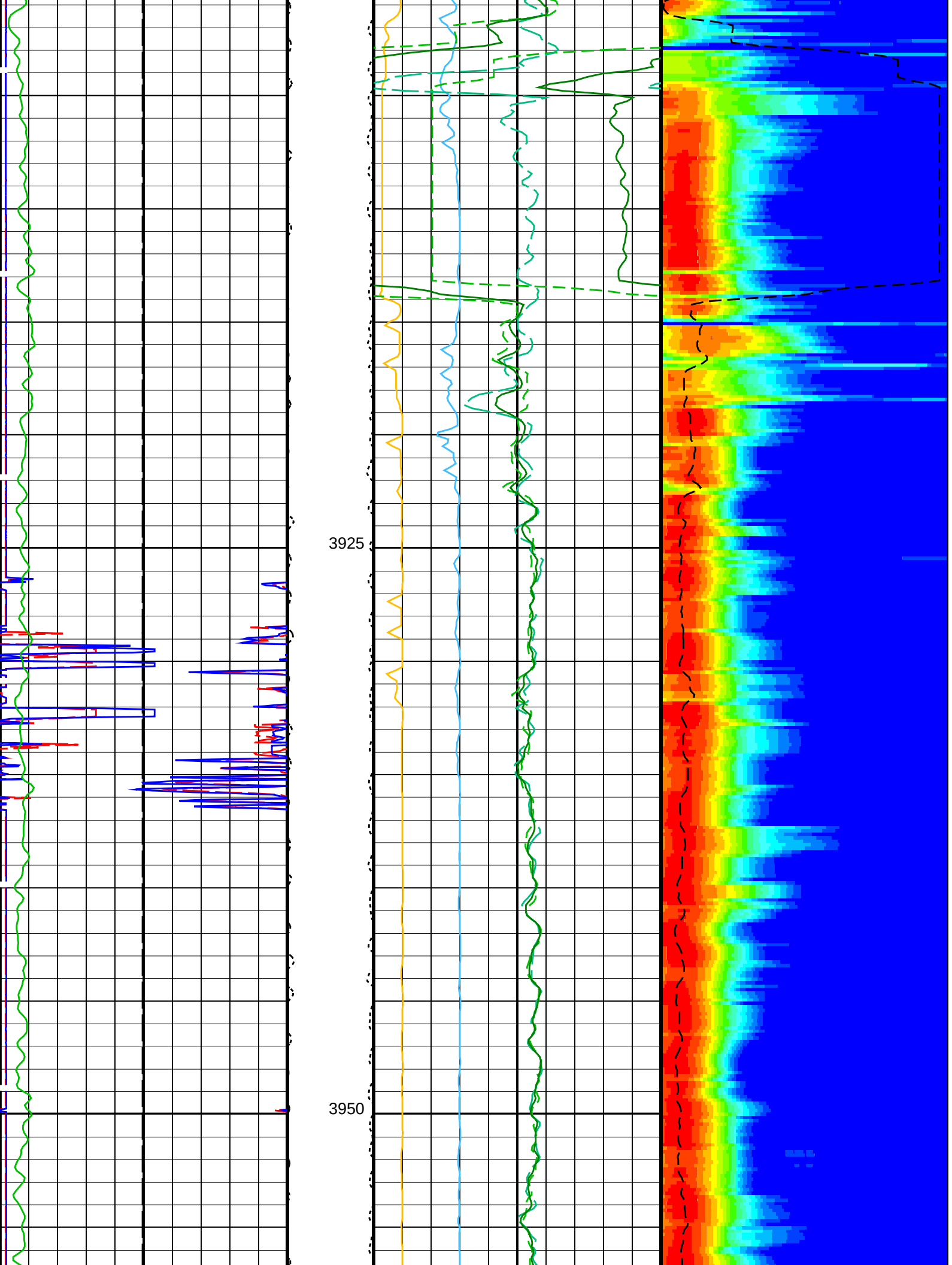


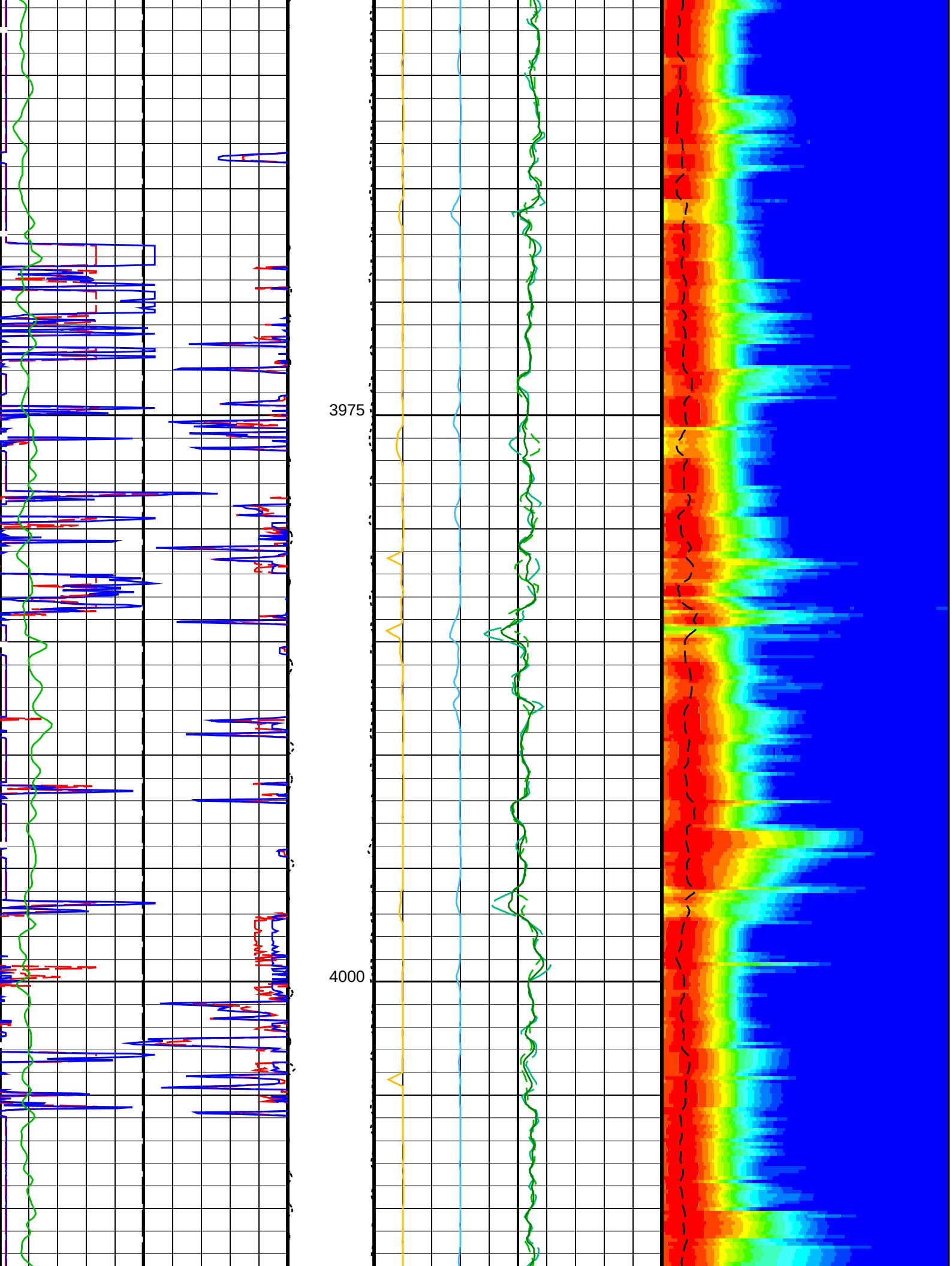

3700
3725

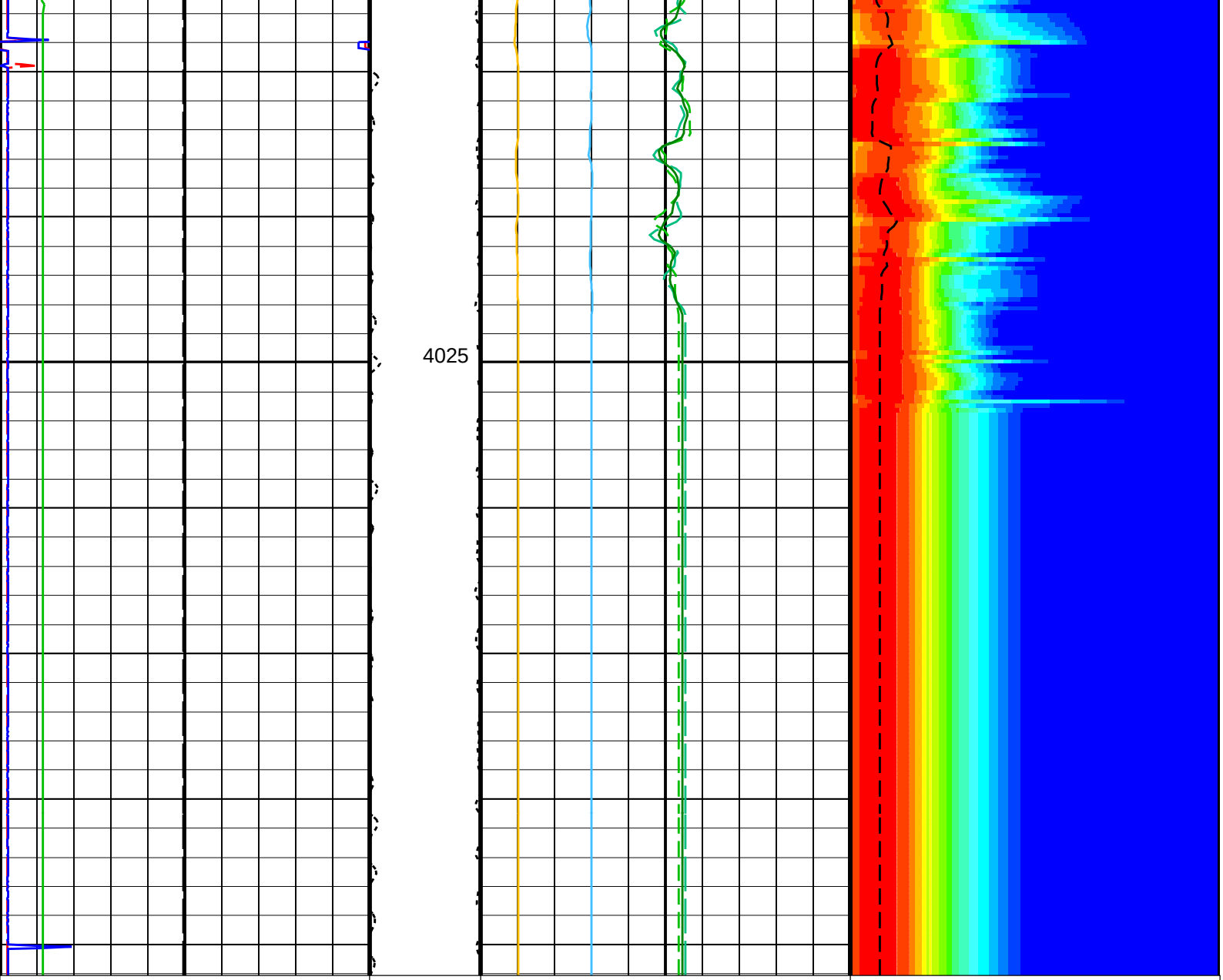

3750
3775


3800
3825


3850
3875
3900


3925
3950


3975
4000



Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	Peak Coherence / RA − Stoneley (CHR3) 0 (−−−−) 10
Caliper 1 (C1) 0 (IN) 20		Peak Coherence / TA − Stoneley (CHT3) −2 (−−−−) 8
Caliper 2 (C2) 0 (IN) 20		Delta−T Stoneley / RA (DT3R) 440 (US/F) 40
Gamma Ray (GR_EDTC) 0 (GAPI) 150		Delta−T Stoneley / TA (DT3T) 440 (US/F) 40
		Delta−T Stoneley (DTST) 440 (US/F) 40

Delta−T Stoneley / RA (DT3R) 180 (US/F) 780	
Min Amplitude Max Rec.Array Stoneley Slow Proj. CVDL (SPR3) 180 (US/F) 780	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
	DSST−B: Dipole Shear Imager − B	
DDE3	Digitizing Delay 3	0 US

DDEX	Digitizing Delay X	0	US
DSI3	Digitizer Sample Interval 3	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC3	Digitizer Word Count 3	512	
DWCX	Digitizer Word Count X	512	
MTXG	Monopole Transmitter Geometry	186	IN
NWI3	Number Waveform Items 3	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
SAM3	DSST Sonic Acquisition Mode 3 − Monopole Mode for Stoneley	EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS3	STC Sonic Array Status − Monopole Stoneley	255	
SBO3	STC Search Band Offset − Monopole Stoneley	2000	US
SBW3	STC Search Bandwidth − Monopole Stoneley	6000	US
SFC3	STC Formation Character − Monopole Stoneley	SELECTABLE	
SFM3	STC Filter − Monopole Stoneley	B.5−1.5K	
SLL3	STC Slowness Lower Limit − Monopole Stoneley	180	US/F
SST3	STC Slowness Step − Monopole Stoneley	4	US/F
SSW3	STC Source Waveform − Monopole Stoneley	WF_SAM3	
STLL	Label Slowness Lower Limit − Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit − Monopole Stoneley	780	US/F
SWD3	STC Slowness Width − Monopole Stoneley	40	US/F
TBF3	STC Time for Baseline Fill − Monopole Stoneley	0	US
TLL3	STC Time Lower Limit − Monopole Stoneley	620	US
TST3	STC Time Step − Monopole Stoneley	200	US
TUL3	STC Time Upper Limit − Monopole Stoneley	12020	US
TWD3	STC Time Width − Monopole Stoneley	2000	US
TWI3	STC Integration Time Window − Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 14:12

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP	PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12

Company: International Ocean Discovery Program Well: Expedition 393, Site U1560B

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP	PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12	4046.1 M	3653.0 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	EDTC−B	SKK−5169−EDTCB

PIP SUMMARY

Time Mark Every 60 S

Relative Bearing (RB_MEST)
−40 (DEG) 360

Pad One Azimuth (P1AZ_MEST)
−40 (DEG) 360

Hole Azimuth (HAZIM)
−40 (DEG) 360

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Deviation (DEVIM)
0 (DEG) 10

Caliper 2 (C2)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

EMEX Intensity (EI)
0 (AMPS) 10

Tension (TENS) (LBF)
0 5000

Bit Size (BS)
0 (IN) 20

EMEX Voltage (EV)
0 (V) 50

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

Data Button 5 − Varies with RBS (U−MEST_RB5)
−50 (−−−−) 50

Data Button 4 − Varies with RBS (U−MEST_RB4)
−40 (−−−−) 60

Data Button 3 − Varies with RBS (U−MEST_RB3)
−30 (−−−−) 70

Data Button 2 − Varies with RBS (U−MEST_RB2)
−20 (−−−−) 80

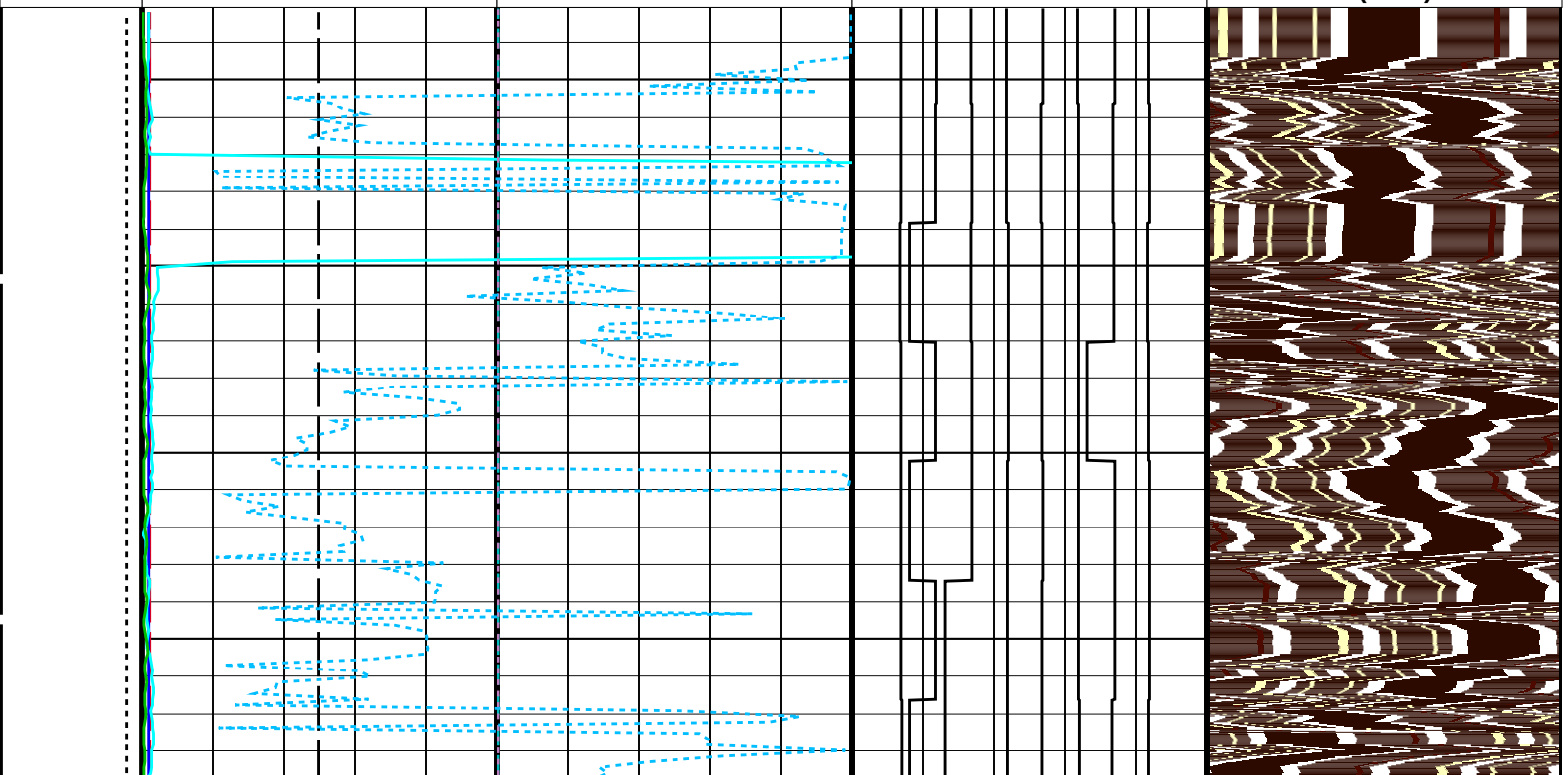
Data Button 1 − Varies with RBS (U−MEST_RB1)
−10 (−−−−) 90

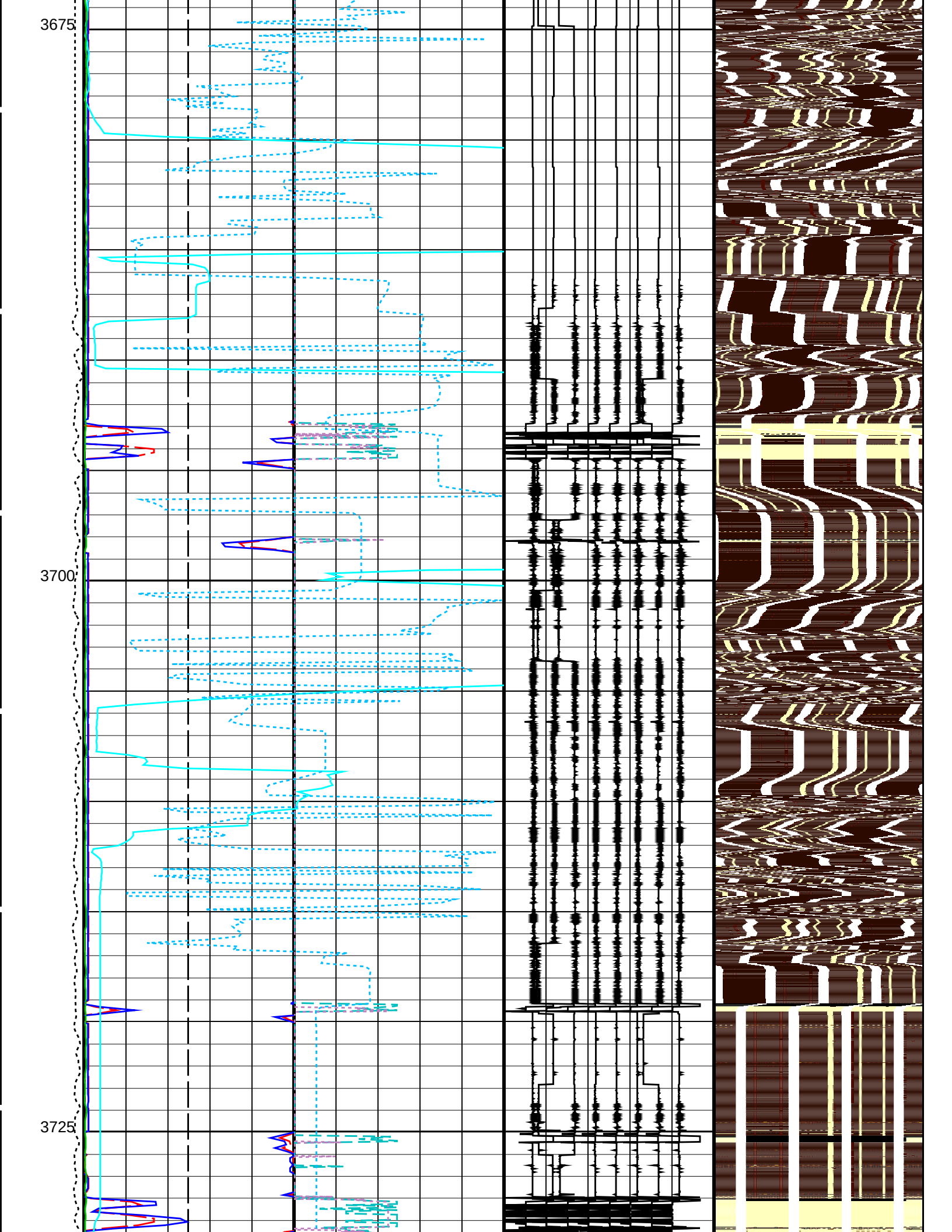
0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951
MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)

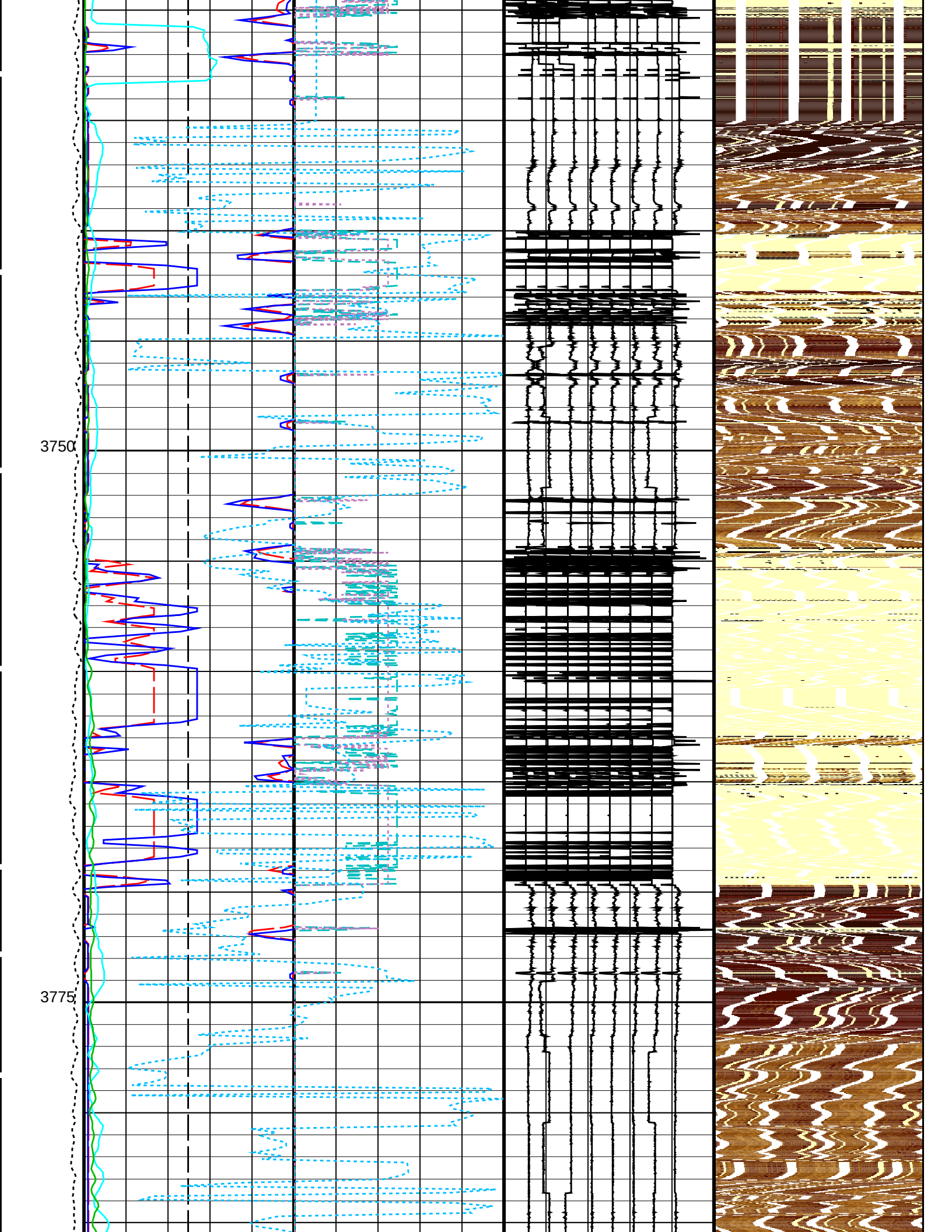
0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951
MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)

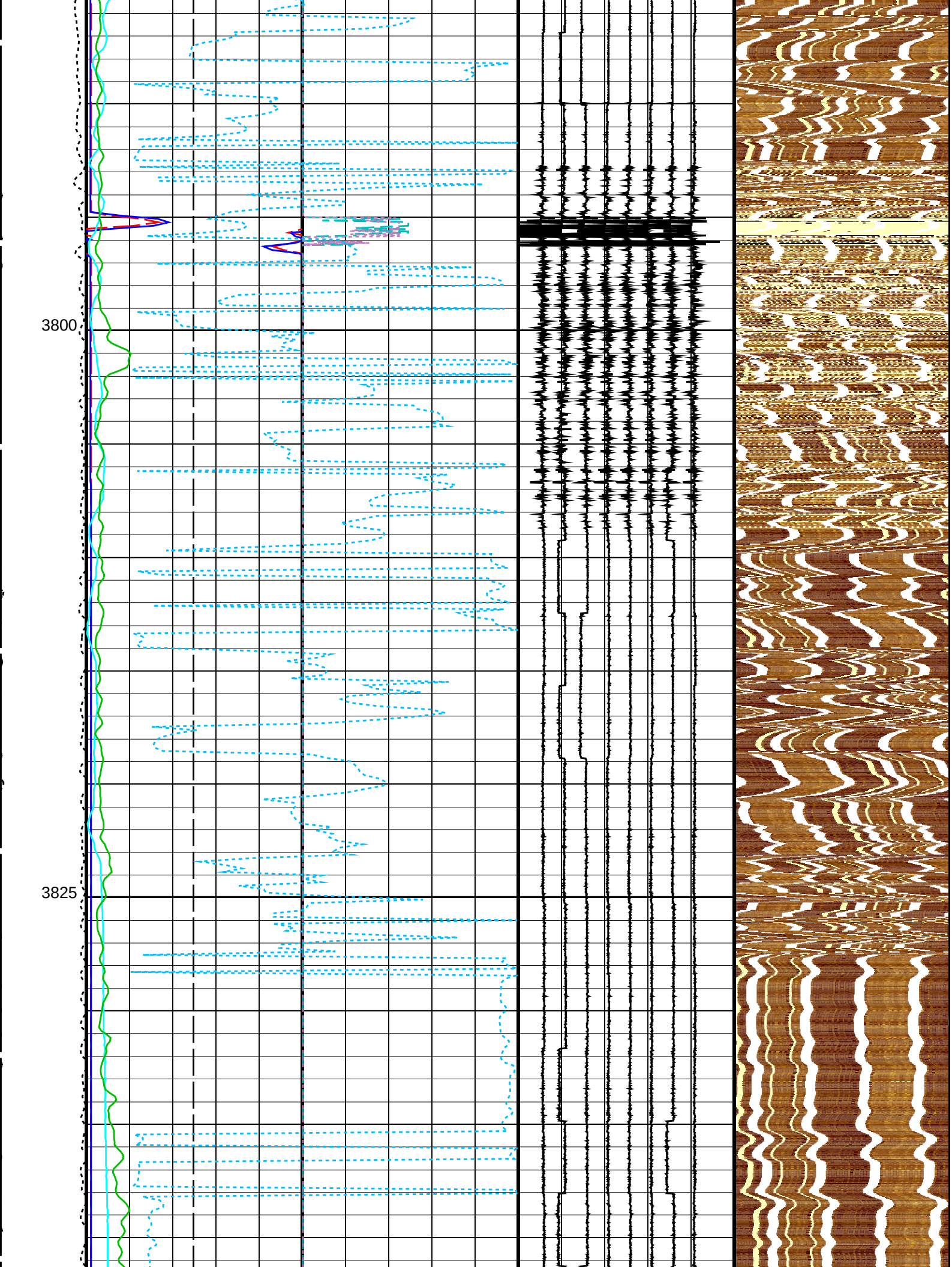
0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951
MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)

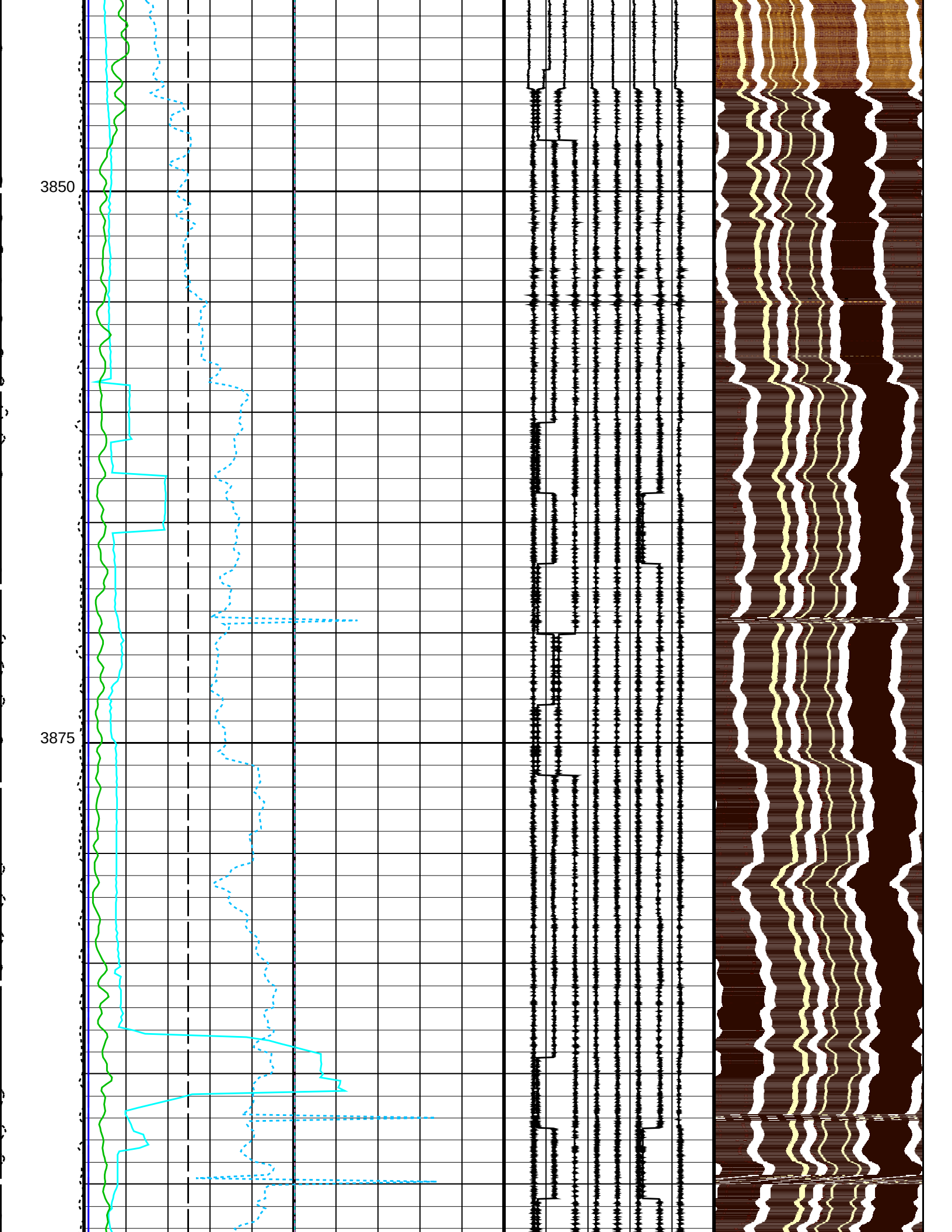
0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951
MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)

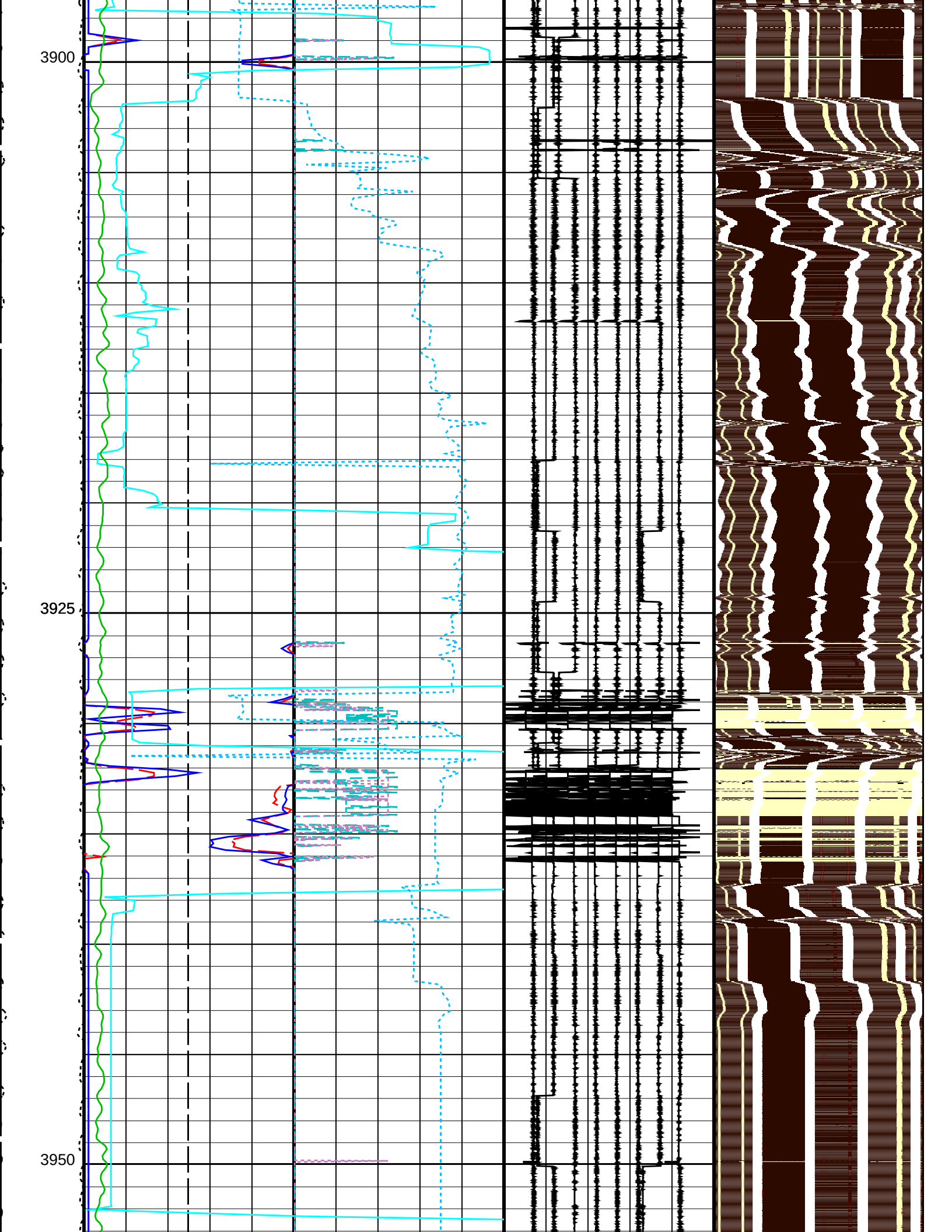


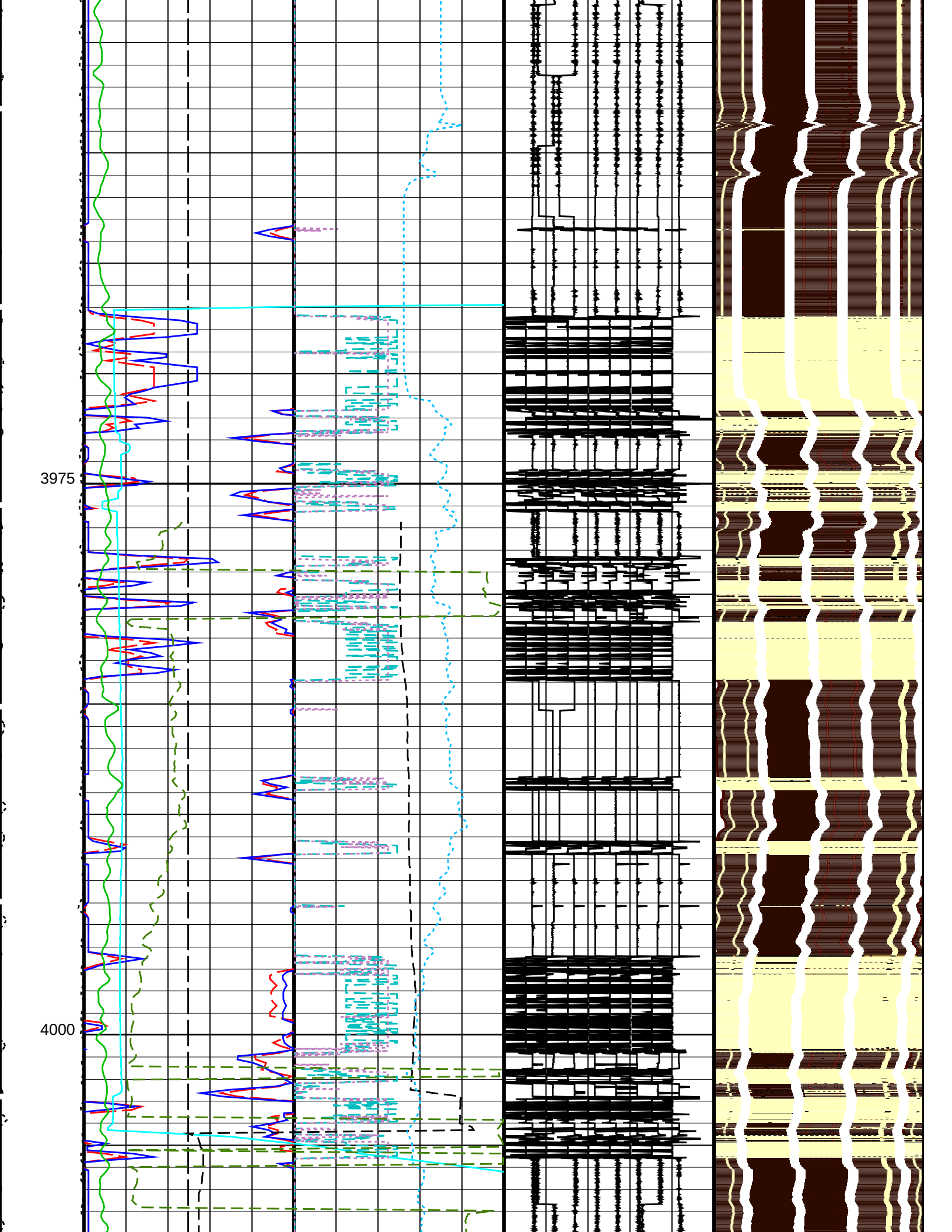

3675
3700
3725

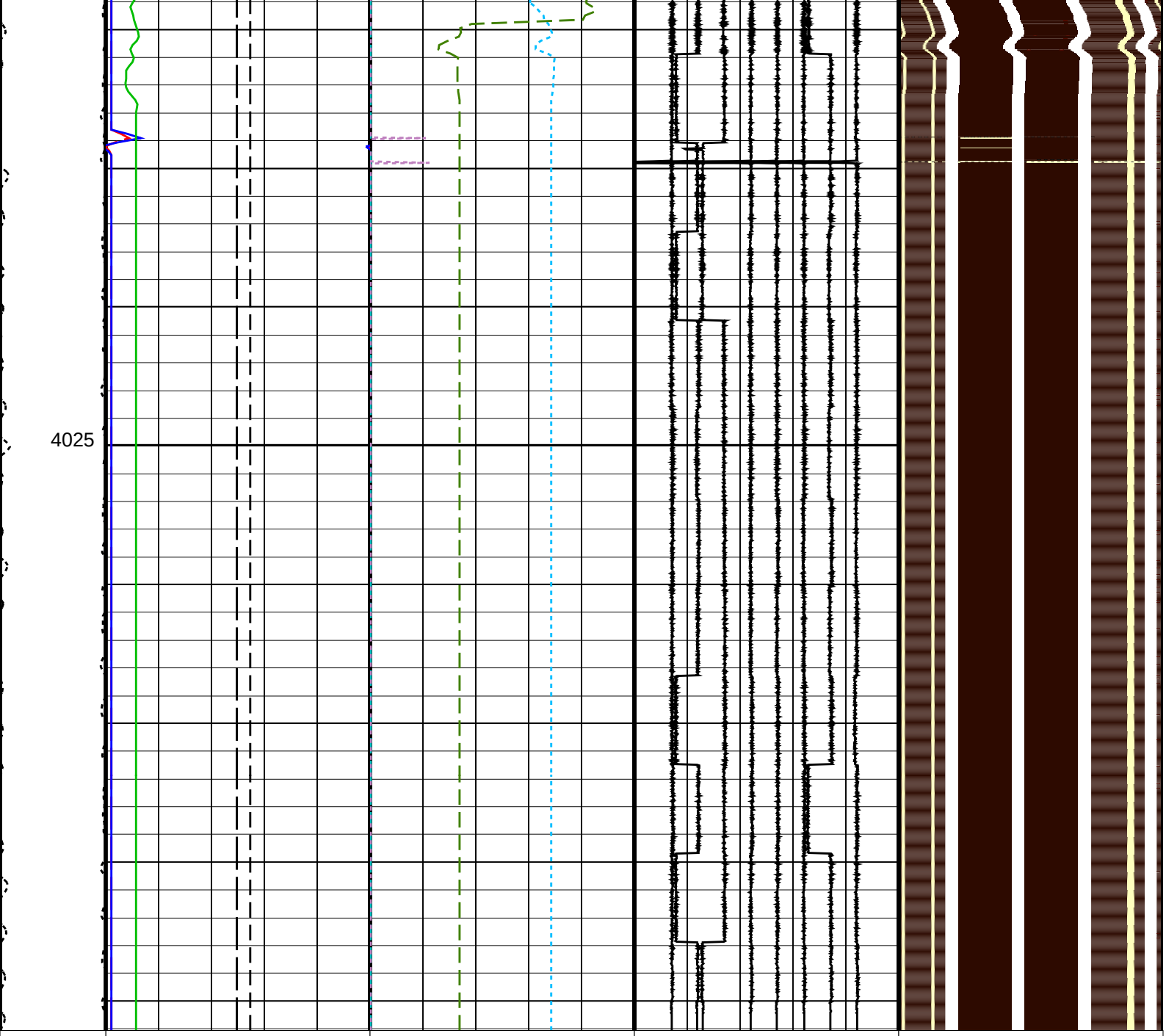

3750
3775


3800
3825


3850
3875


3900
3925
3950


3975
4000



Tension (TENS) (LBF) 0 5000	Bit Size (BS) 0 (IN) 20	EMEX Voltage (EV) 0 (V) 50	Data Button 1 − Varies with RBS (U−MEST_RB1) −10 (−−−−) 90	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADA (U−MEST_ RESISTIVITY_PADA_DS) (−−−−)
	Caliper 1 (C1) 0 (IN) 20	EMEX Intensity (EI) 0 (AMPS) 10	Data Button 2 − Varies with RBS (U−MEST_RB2) −20 (−−−−) 80	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADB (U−MEST_ RESISTIVITY_PADB_DS) (−−−−)
	Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADC (U−MEST_ RESISTIVITY_PADC_DS) (−−−−)
	Deviation (DEVIM) 0 (DEG) 10		Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADD (U−MEST_

		RESISTIVITY_PADD_DS) (----)
Gamma Ray (GR_EDTC) 0 (GAPI) 150		Data Button 5 − Varies with RBS (U−MEST_RB5) −50 (----) 50
Hole Azimuth (HAZIM) −40 (DEG) 360		Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (----) 40
Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360		Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (----) 30
Relative Bearing (RB_MEST) −40 (DEG) 360		Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (----) 20

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	−24.0374	DEG
MLM	MEST Logging Mode	SCAN1800	
RBS	Resistivity Button Selection	AUTO	
XGAI	Gain	GAIN_3	
XOFF	Offset	OFFSET_0	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 14:12

OP System Version: 19C0−187

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

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_022LUP	PRODUCER	28−Jul−2022 13:15	4046.1 M	3653.0 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_023PUP	FN:20	PRODUCER	28−Jul−2022 14:12

Schlumberger

First Up Pass

MAXIS Field Log

Output DLIS Files

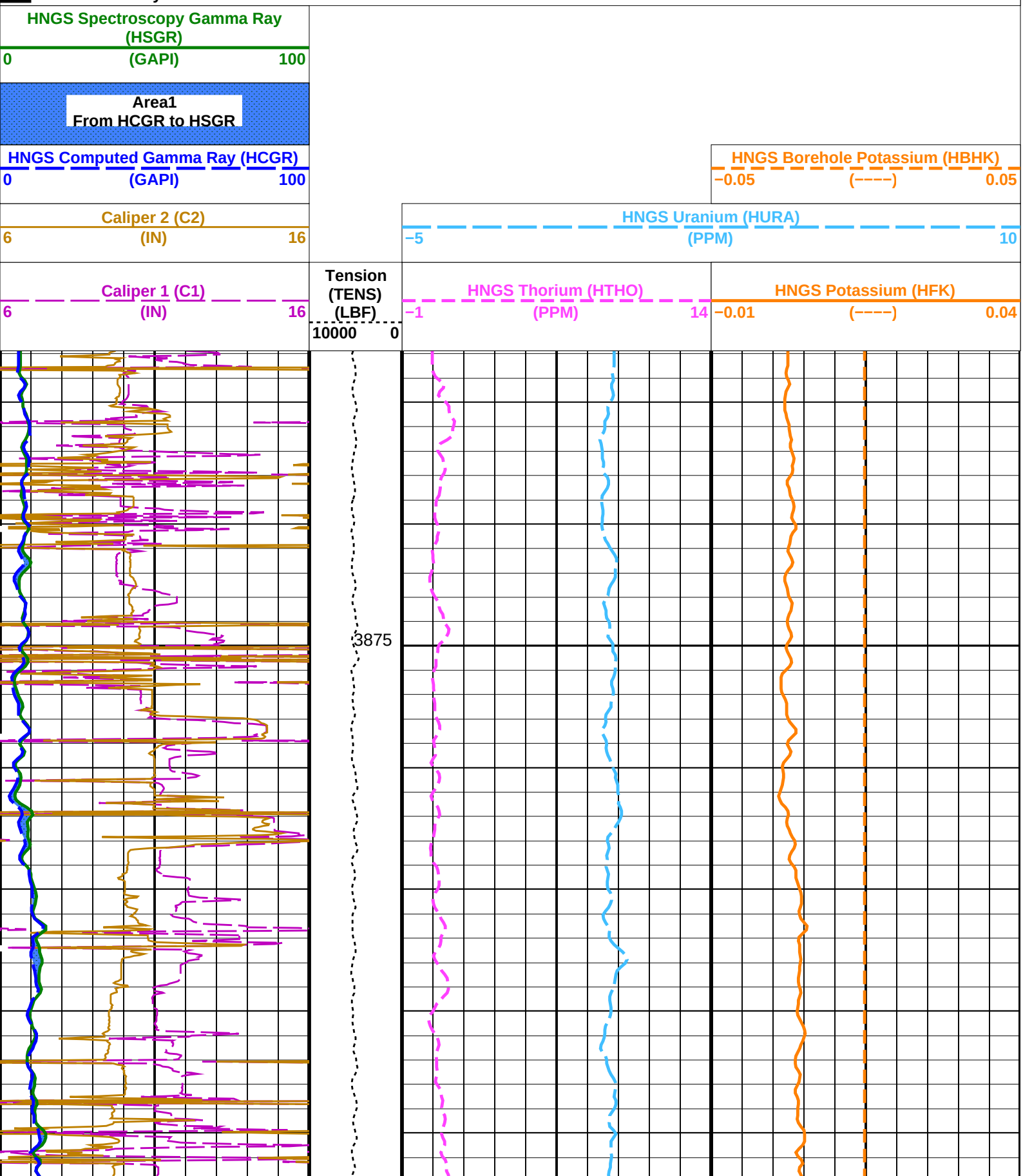
DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51	4043.9 M	3862.9 M

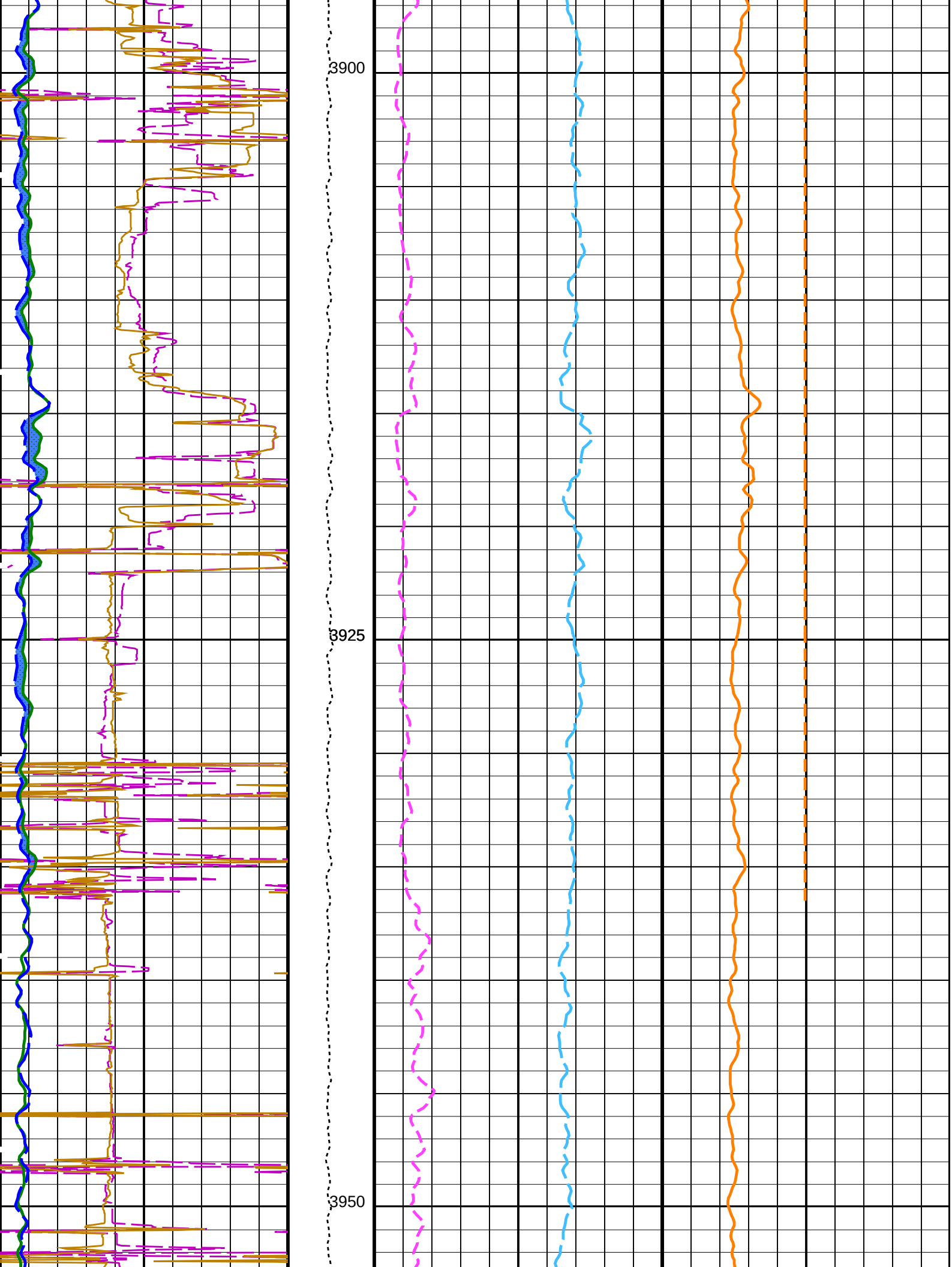
OP System Version: 19C0−187

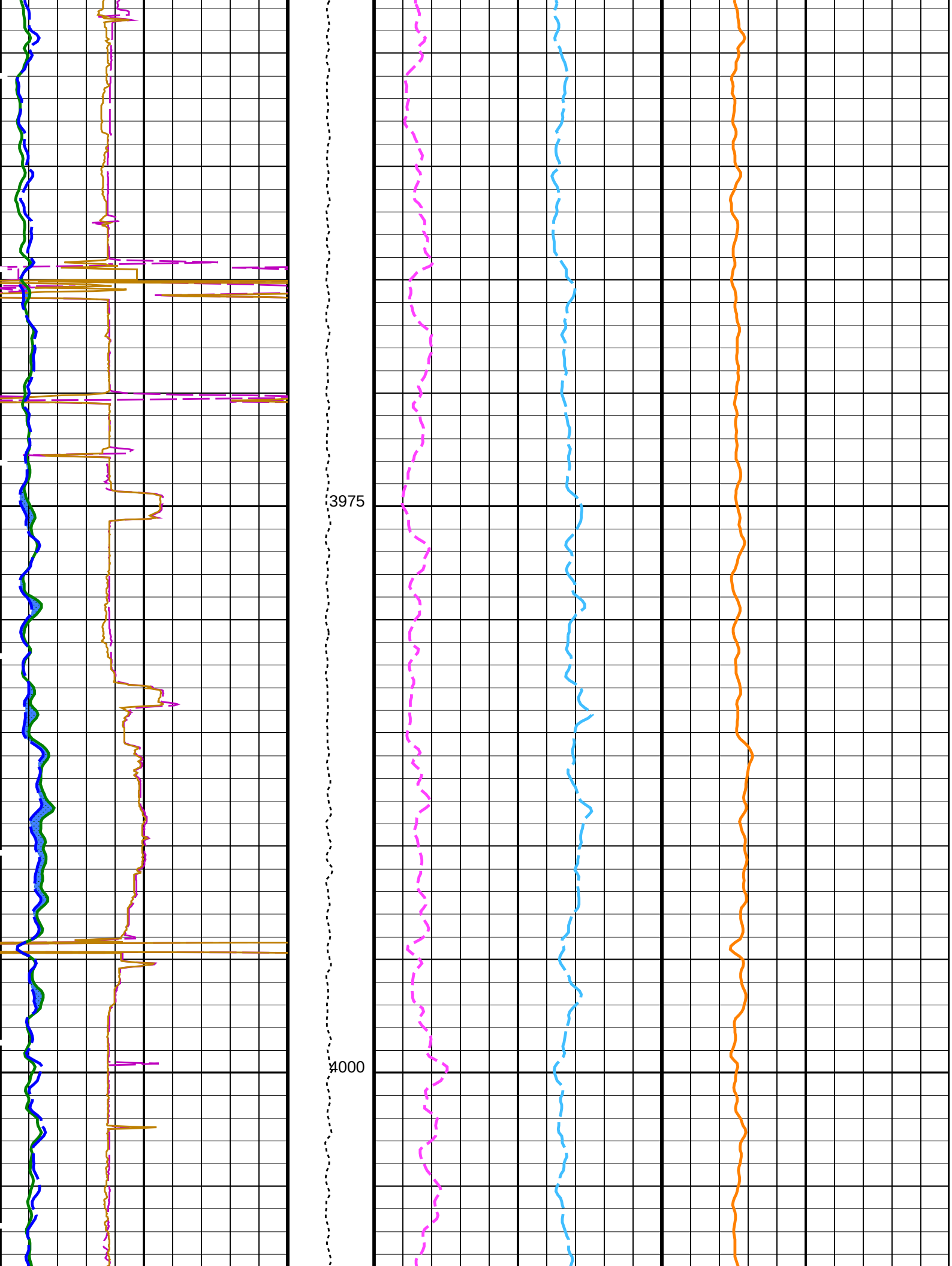
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	SKK−5169−EDTCB

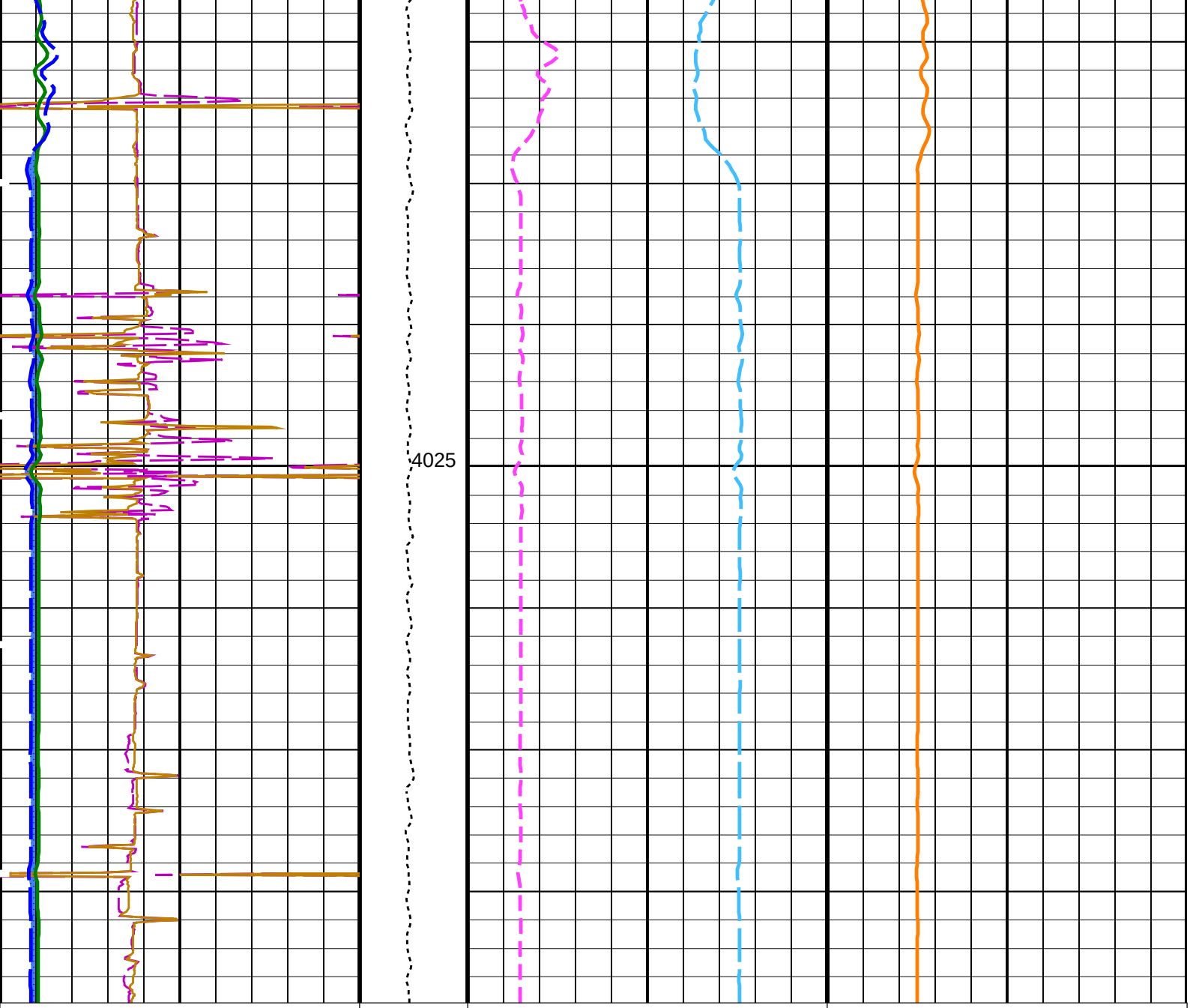
PIP SUMMARY

Time Mark Every 60 S




3900
3925
3950


3975
4000



Caliper 1 (C1)
6 (IN) 16

Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

HNGS Potassium (HFK)
−0.01 (−−−−) 0.04

Caliper 2 (C2)
6 (IN) 16

HNGS Uranium (HURA)
−5 (PPM) 10

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

HNGS Borehole Potassium (HBHK)
−0.05 (−−−−) 0.05

Area1
From HCGR to HSGR

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	
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	−0.00176694	
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	0.558142	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.05716	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 09:51

OP System Version: 19C0−187

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51		

Output DLIS Files

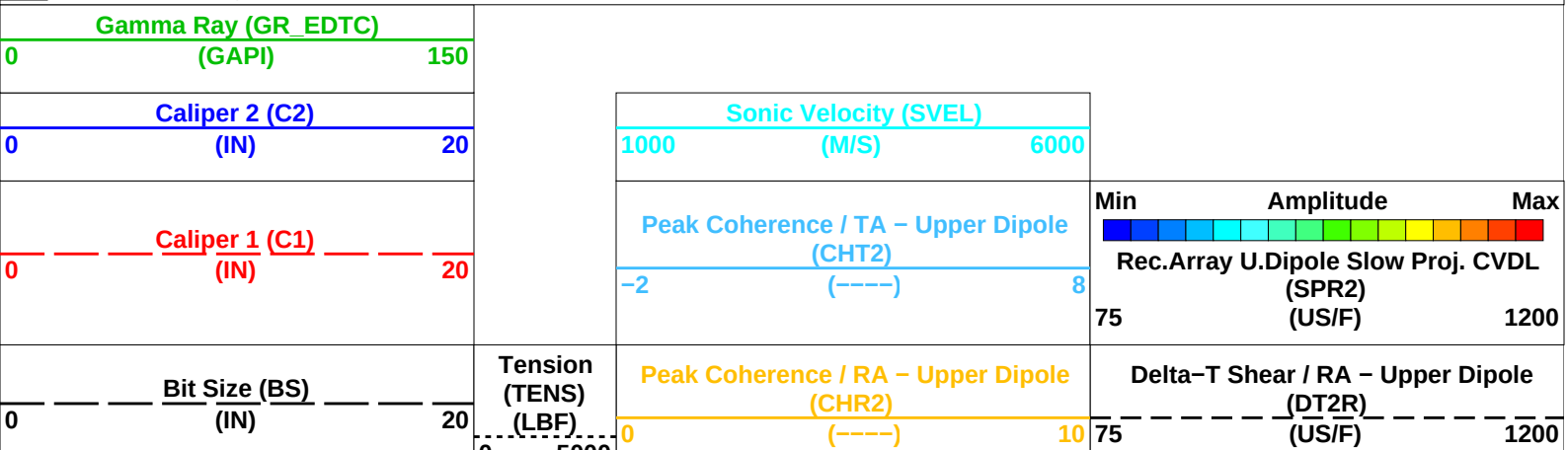
DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51	4043.9 M	3862.9 M

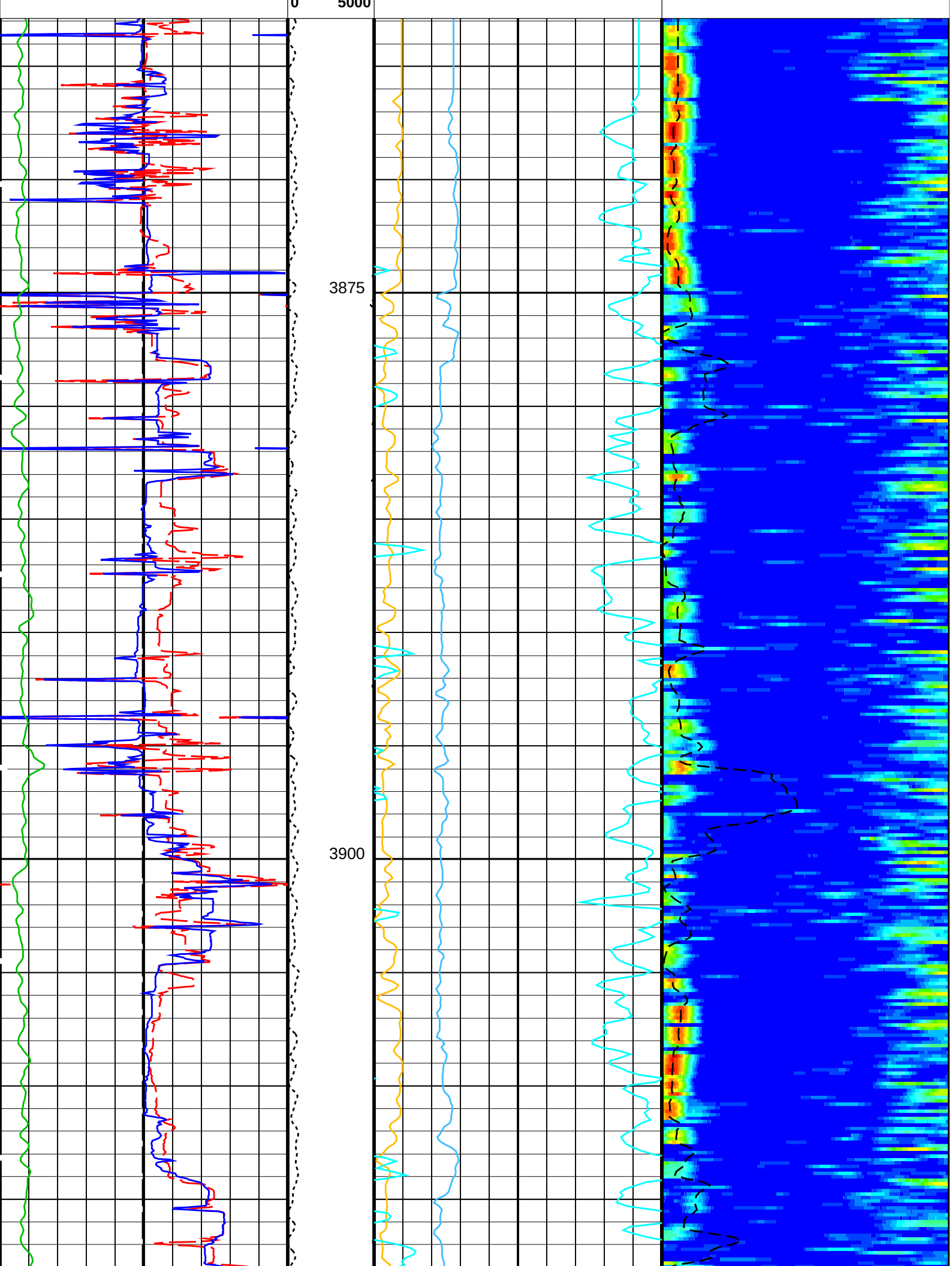
OP System Version: 19C0−187

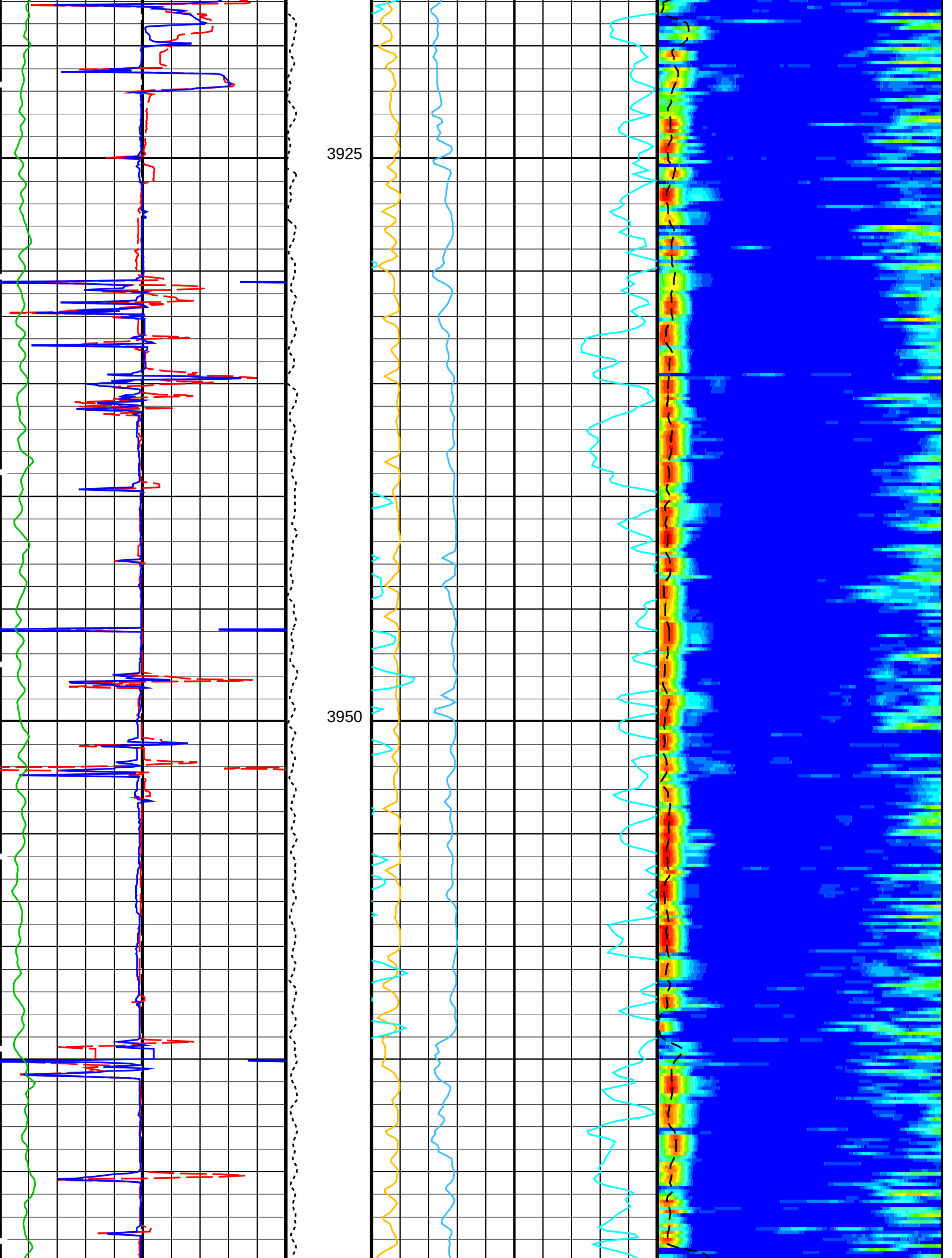
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	SKK−5169−EDTCB

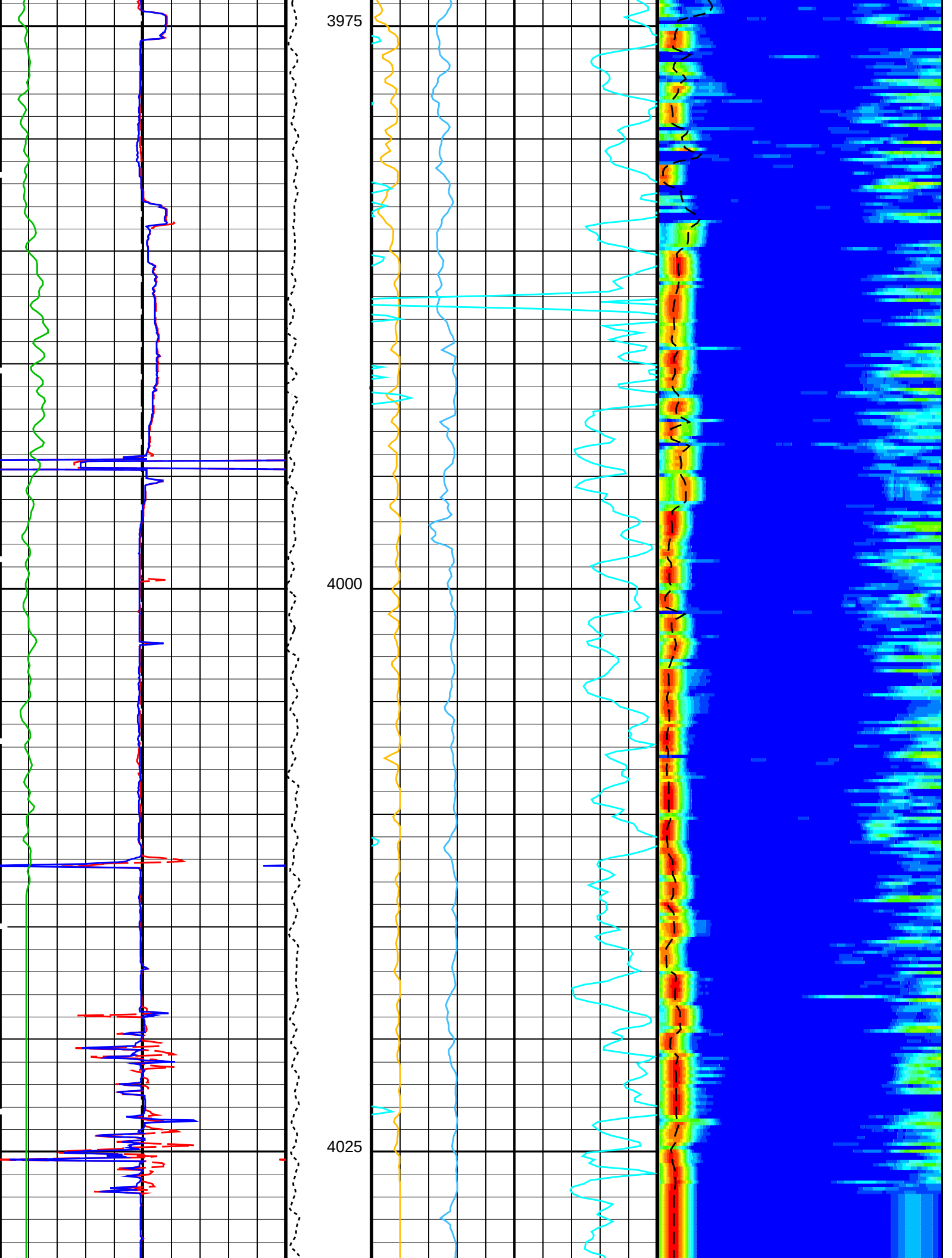
PIP SUMMARY

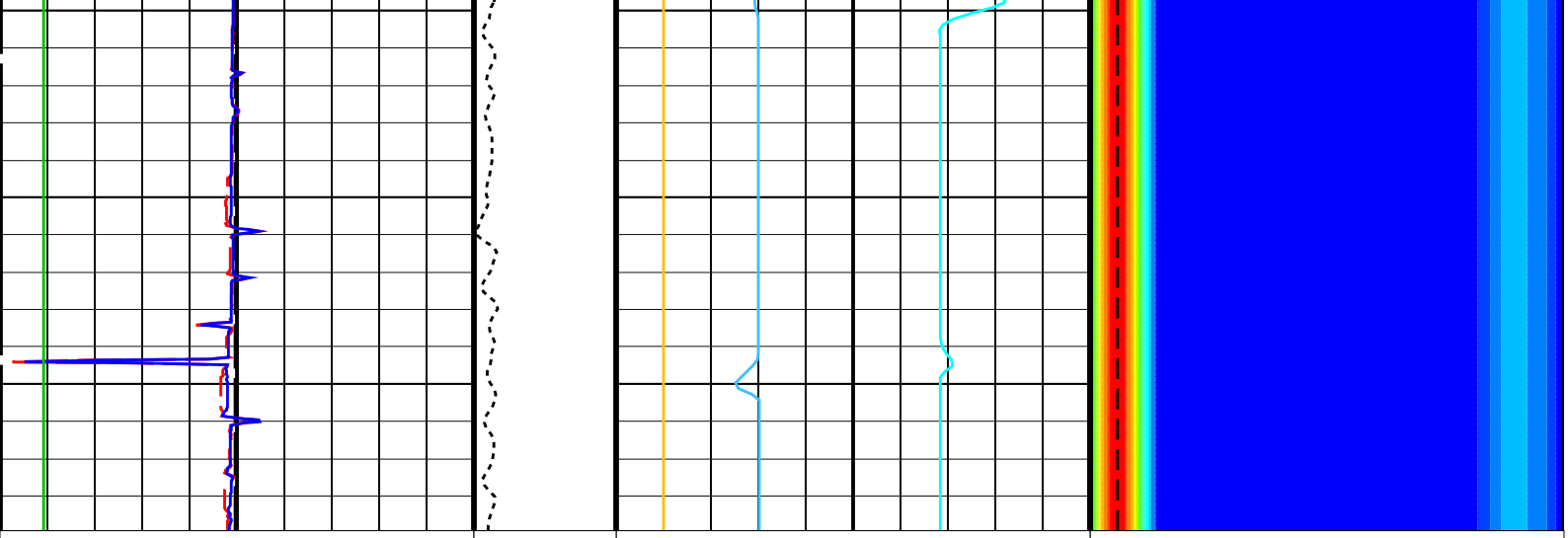
Time Mark Every 60 S




0
5000
3875
3900


3925
3950


3975
4000
4025



Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Upper Dipole (CHR2)	Delta−T Shear / RA − Upper Dipole (DT2R)
0 (IN) 20	0 5000 (LBF)	0 (----) 10	75 (US/F) 1200
Caliper 1 (C1)		Peak Coherence / TA − Upper Dipole (CHT2)	Min Amplitude Max Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
0 (IN) 20		−2 (----) 8	75 (US/F) 1200
Caliper 2 (C2)		Sonic Velocity (SVEL)	
0 (IN) 20		1000 (M/S) 6000	
Gamma Ray (GR_EDTC)			
0 (GAPI) 150			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
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	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
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
SAM2	DSST Sonic Acquisition Mode 2 − Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status − Upper Dipole	255	
SBO2	STC Search Band Offset − Upper Dipole	3000	US
SBW2	STC Search Bandwidth − Upper Dipole	8000	US
SFC2	STC Formation Character − Upper Dipole	SELECTABLE	
SFM2	STC Filter − Upper Dipole	B1−2K	
SLL2	STC Slowness Lower Limit − Upper Dipole	40	US/F
SST2	STC Slowness Step − Upper Dipole	4	US/F
SSW2	STC Source Waveform − Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit − Upper Dipole	1400	US/F
SWD2	STC Slowness Width − Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill − Upper Dipole	0	US

TLL2	STC Time Lower Limit − Upper Dipole	600	US
TST2	STC Time Step − Upper Dipole	200	US
TUL2	STC Time Upper Limit − Upper Dipole	20440	US
TWD2	STC Time Width − Upper Dipole	2000	US
TWI2	STC Integration Time Window − Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 09:51

OP System Version: 19C0−187

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51		

Company: International Ocean Discovery Program Well: Expedition 393, Site U1560B

Output DLIS Files

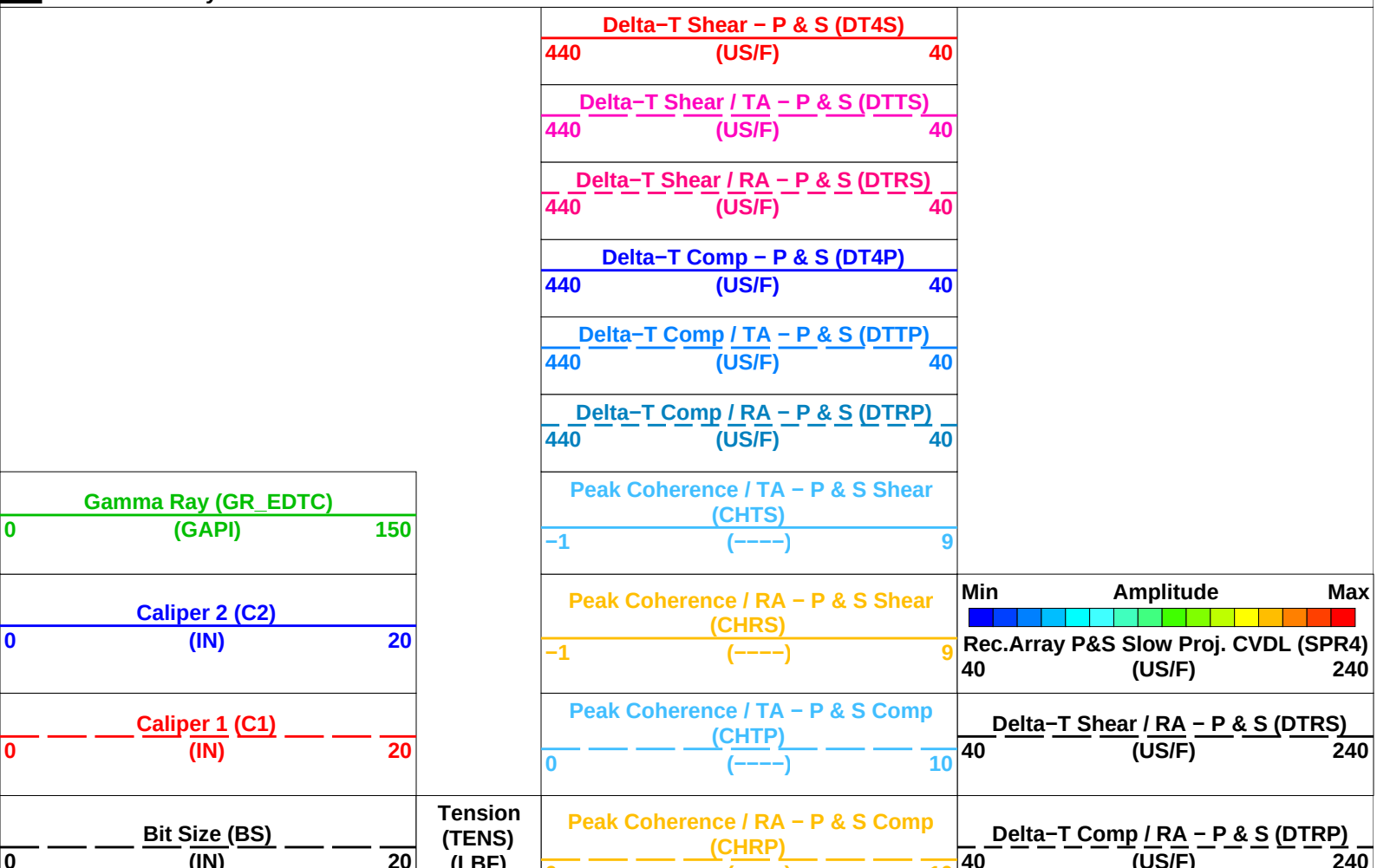
DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51	4043.9 M	3862.9 M

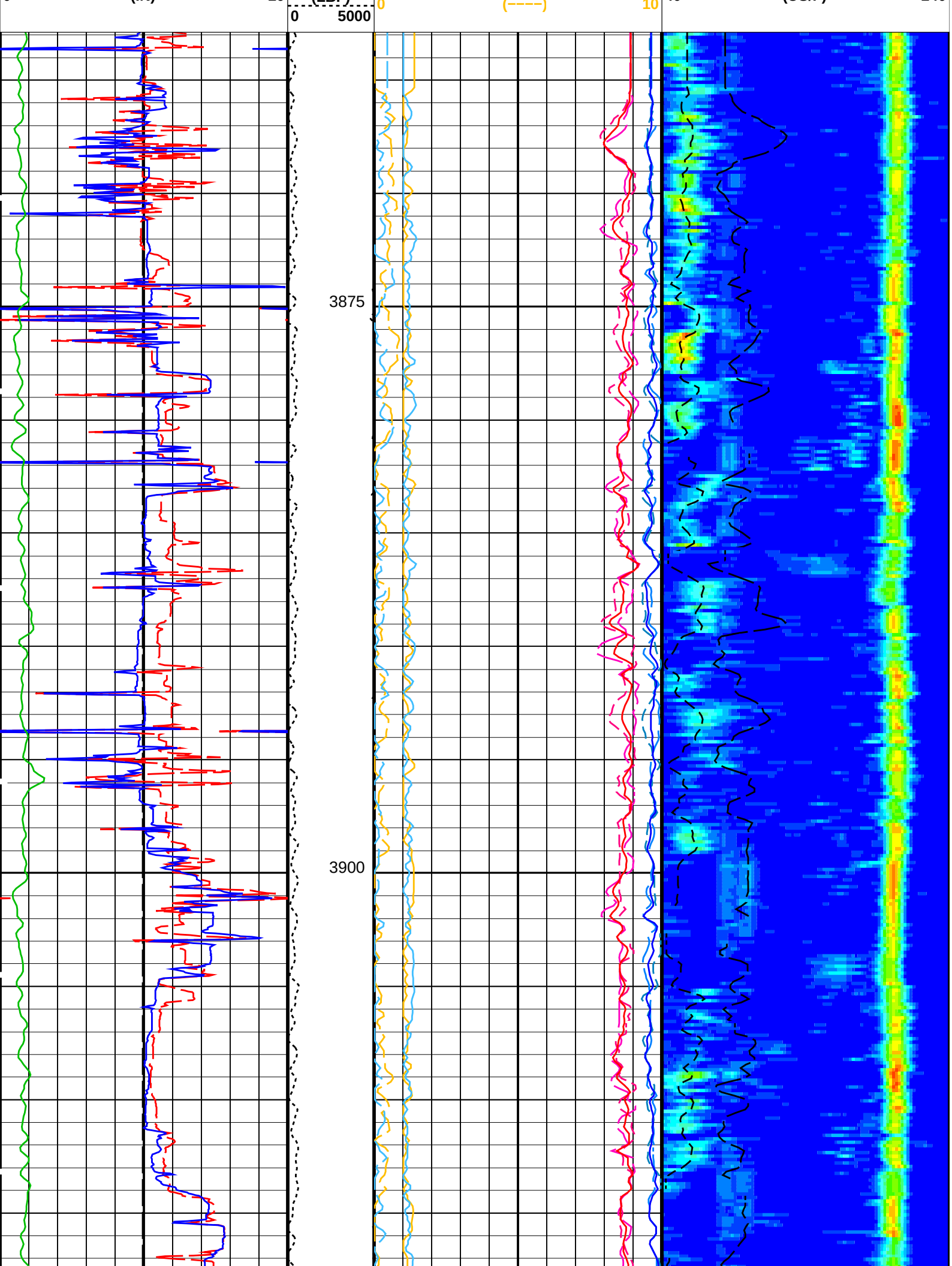
OP System Version: 19C0−187

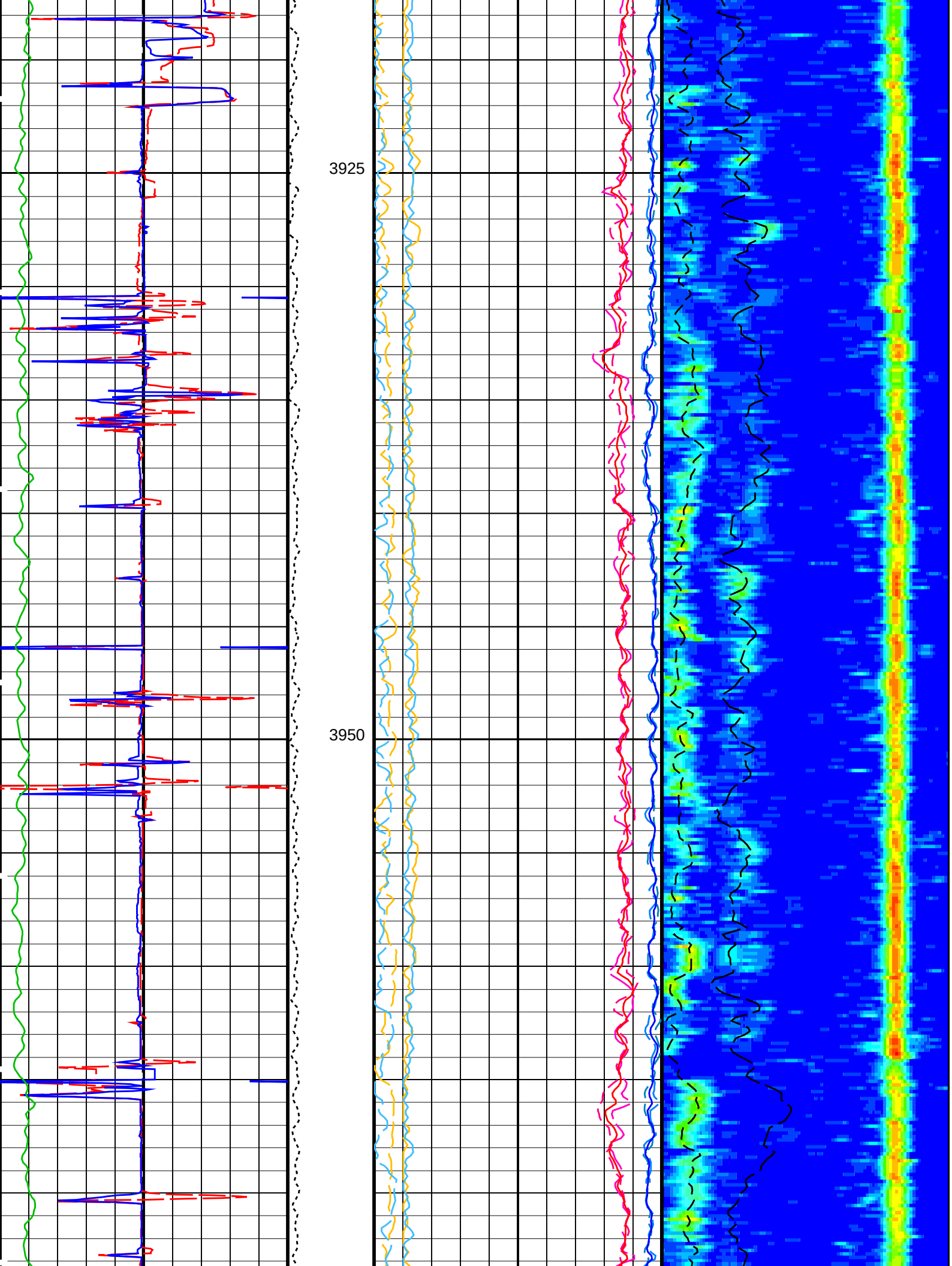
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	SKK−5169−EDTCB

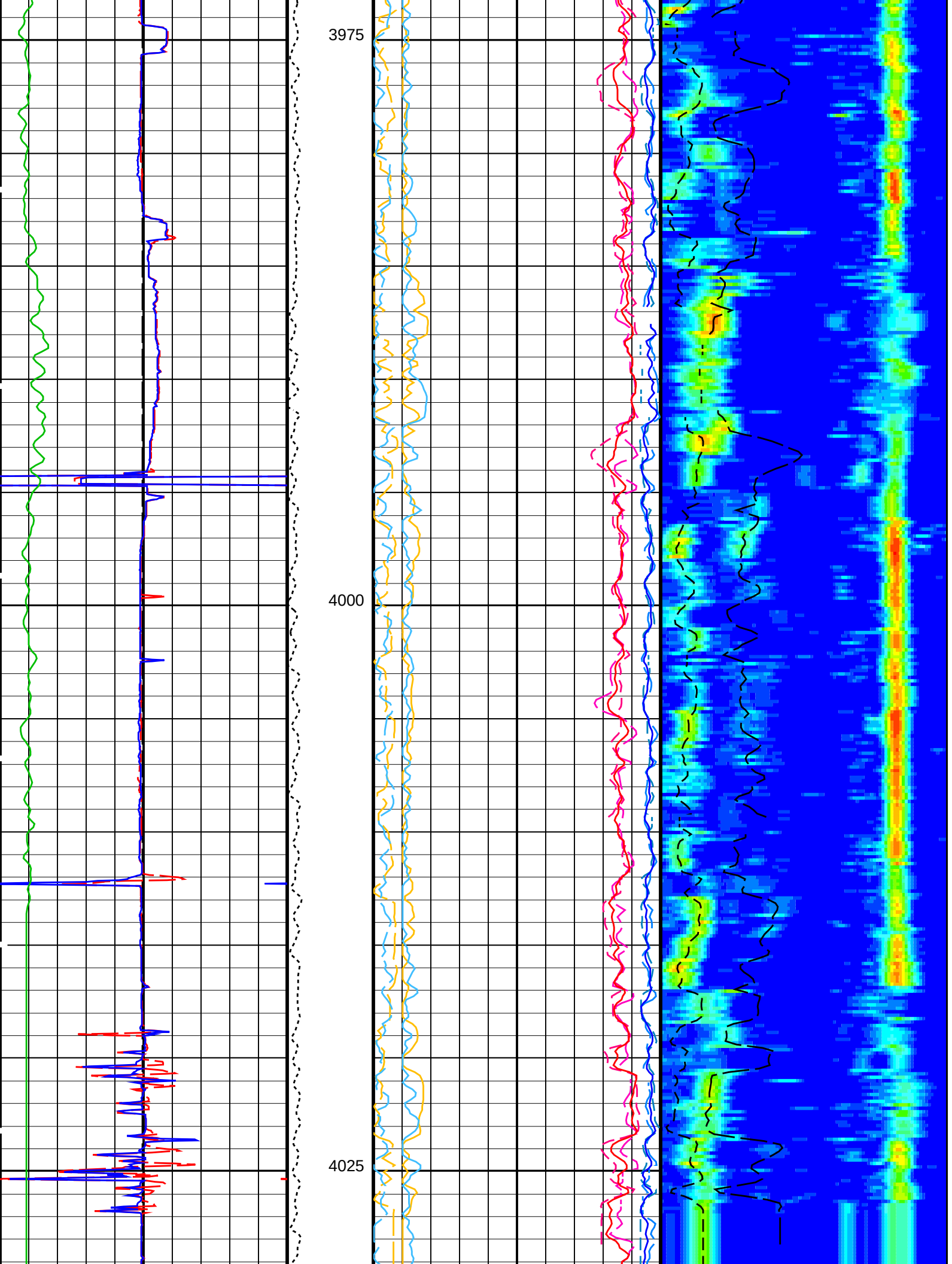
PIP SUMMARY

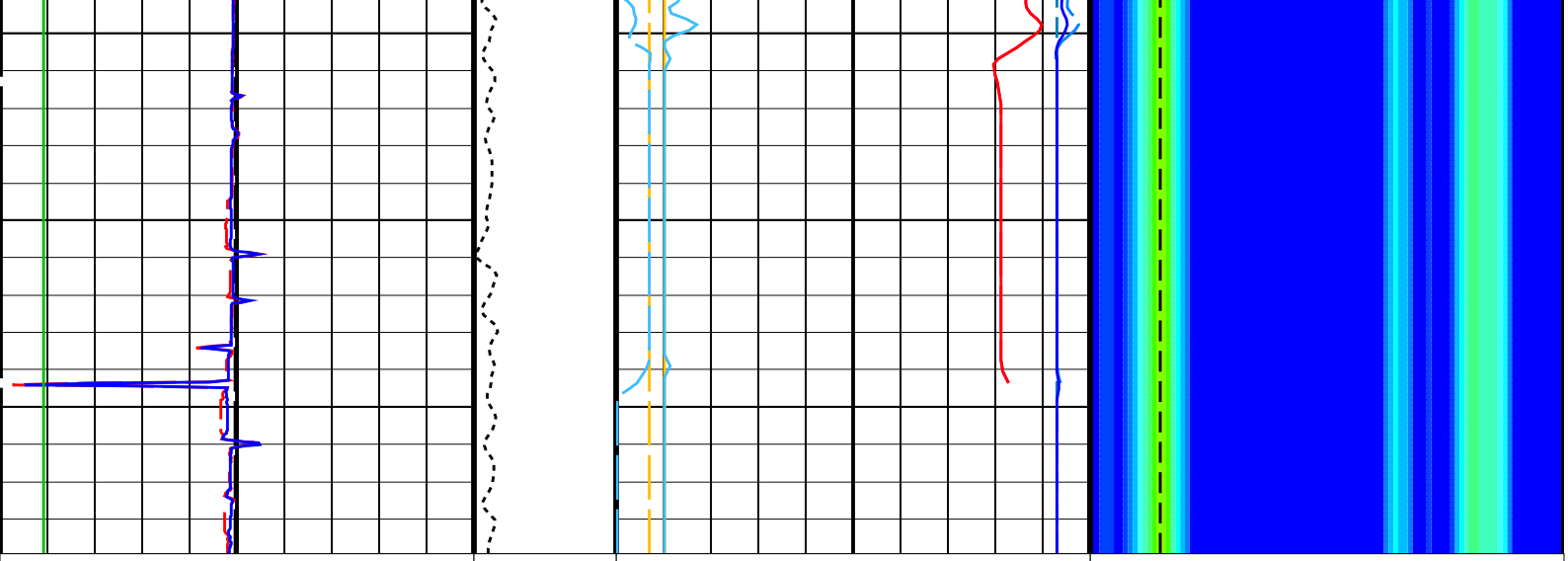
Time Mark Every 60 S




0
5000
0
10
3875
3900


3925
3950


3975
4000
4025



Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − P & S Comp (CHRP)	Delta−T Comp / RA − P & S (DTRP)
0 (IN) 20	0 (LBF) 5000	0 (−−−−) 10	40 (US/F) 240
Caliper 1 (C1)		**Peak Coherence / TA − P & S Comp (CHTP)**	**Delta−T Shear / RA − P & S (DTRS)**
0 (IN) 20		0 (−−−−) 10	40 (US/F) 240
Caliper 2 (C2)		**Peak Coherence / RA − P & S Shear (CHRS)**	Min Amplitude Max
0 (IN) 20		−1 (−−−−) 9	**Rec.Array P&S Slow Proj. CVDL (SPR4)**
Gamma Ray (GR_EDTC)		**Peak Coherence / TA − P & S Shear (CHTS)**	40 (US/F) 240
0 (GAPI) 150		−1 (−−−−) 9	
		Delta−T Comp / RA − P & S (DTRP)	
		440 (US/F) 40	
		Delta−T Comp / TA − P & S (DTTP)	
		440 (US/F) 40	
		Delta−T Comp − P & S (DT4P)	
		440 (US/F) 40	
		Delta−T Shear / RA − P & S (DTRS)	
		440 (US/F) 40	
		Delta−T Shear / TA − P & S (DTTS)	
		440 (US/F) 40	
		Delta−T Shear − P & S (DT4S)	
		440 (US/F) 40	

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	70	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTF	Delta−T Fluid	212	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	

DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control − Monopole P&S	COMP	
LFC	Label Formation Character − Monopole P&S	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
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	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
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	70	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	140	US/F
SLL4	STC Slowness Lower Limit − Monopole P&S	40	US/F
SST4	STC Slowness Step − Monopole P&S	2	US/F
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
TWI4	STC Integration Time Window − Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 09:51

OP System Version: 19C0−187

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51		

Output DLIS Files

DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51	4043.9 M	3862.9 M

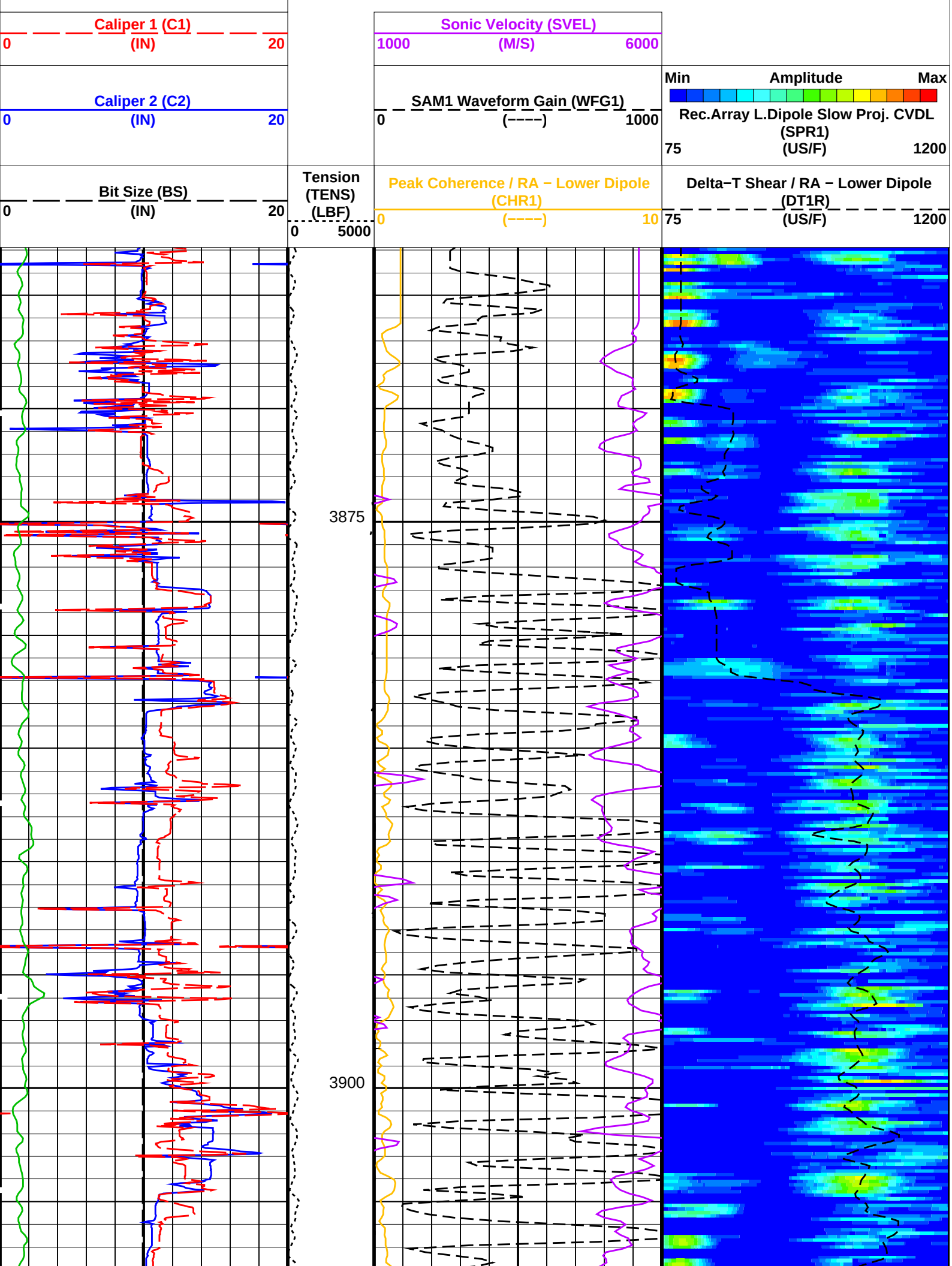
OP System Version: 19C0−187

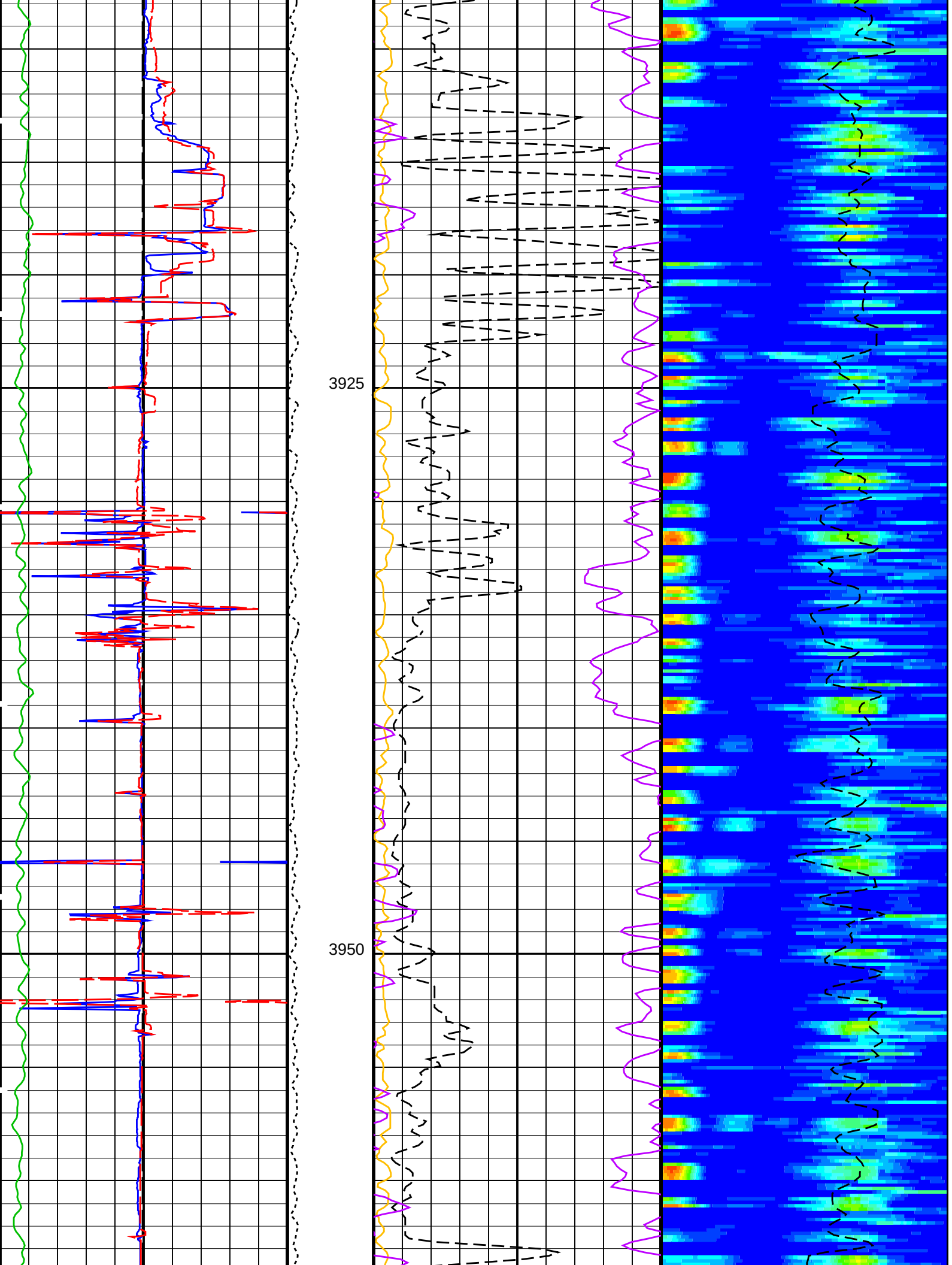
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	SKK−5169−EDTCB

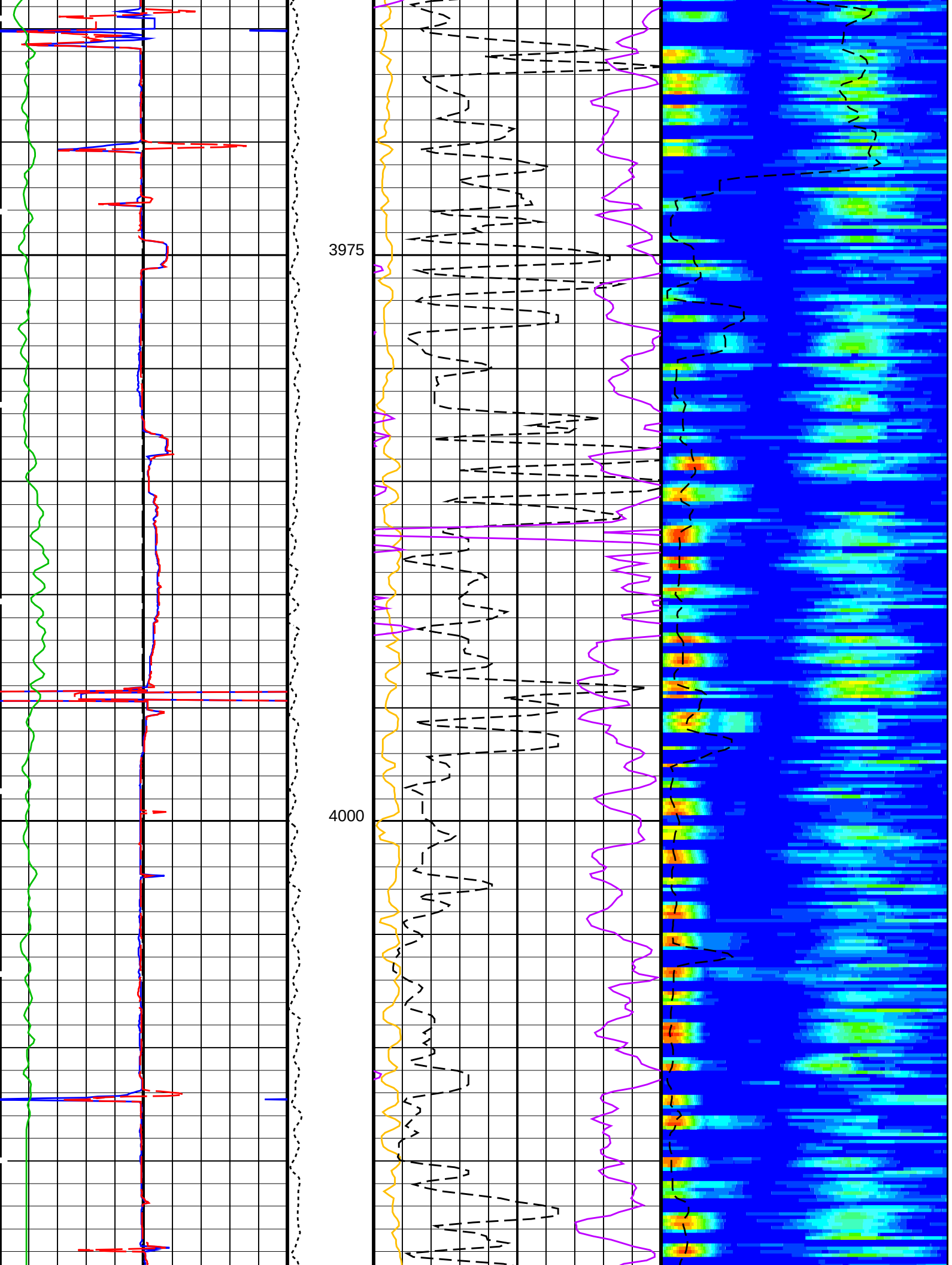
PIP SUMMARY

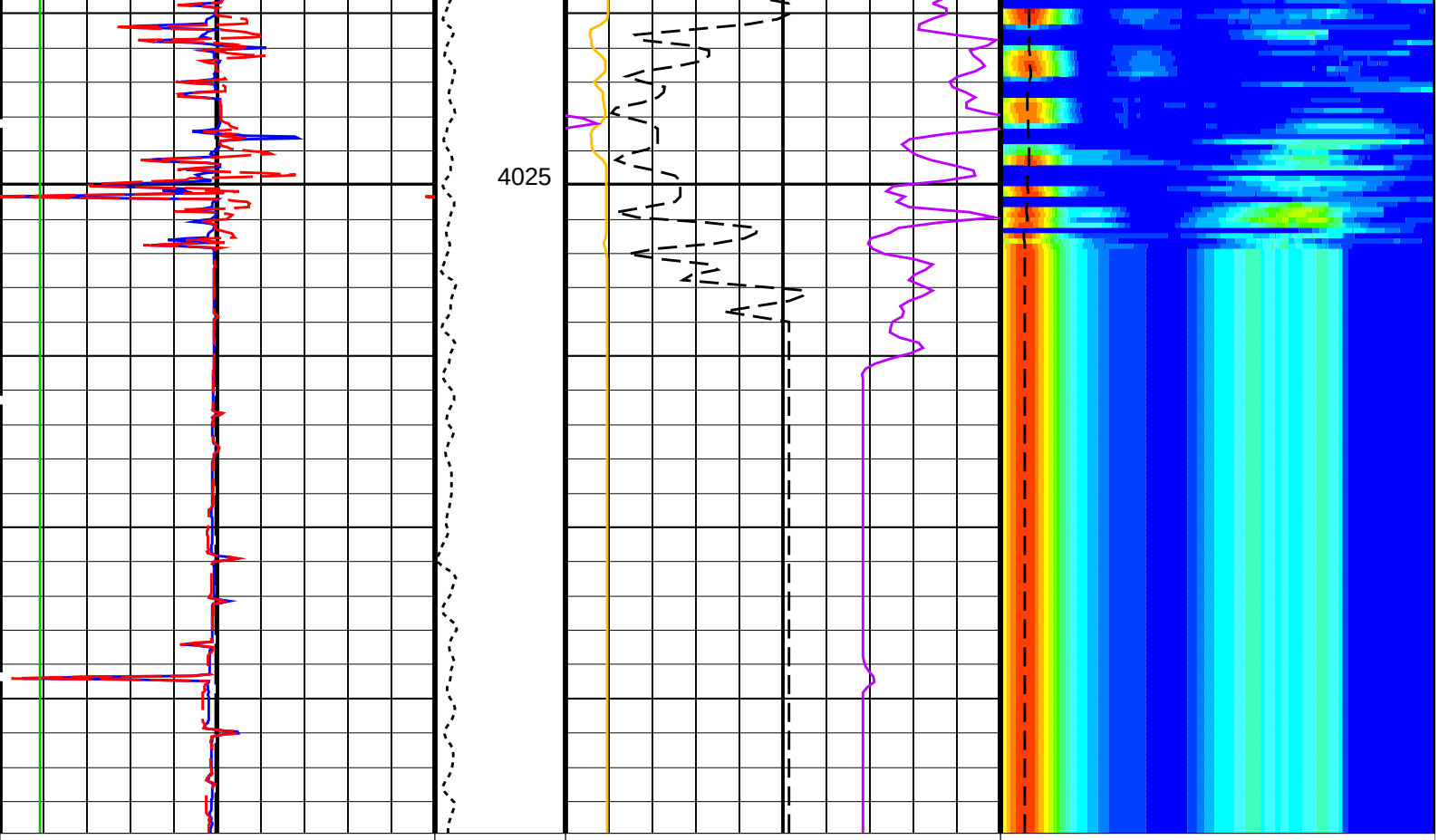
Time Mark Every 60 S

Gamma Ray (GR_EDTC)		
0	(GAPI)	150


Caliper 1 (C1)
0
(IN)
20
Caliper 2 (C2)
0
(IN)
20
Bit Size (BS)
0
(IN)
20
Tension
(TENS)
(LBF)
0
5000
Sonic Velocity (SVEL)
1000
(M/S)
6000
SAM1 Waveform Gain (WFG1)
0
(----)
1000
Peak Coherence / RA − Lower Dipole
(CHR1)
0
(----)
10
Min
Amplitude
Max
Rec.Array L.Dipole Slow Proj. CVDL
(SPR1)
75
(US/F)
1200
Delta−T Shear / RA − Lower Dipole
(DT1R)
75
(US/F)
1200
3875
3900


3925
3950


3975
4000



Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source − Dipole Shear	USE	
DSHL	Label Slowness Lower Limit − Dipole Shear	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN

RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 − Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status − Lower Dipole	255	
SBO1	STC Search Band Offset − Lower Dipole	3000	US
SBW1	STC Search Bandwidth − Lower Dipole	8000	US
SFC1	STC Formation Character − Lower Dipole	SELECTABLE	
SFM1	STC Filter − Lower Dipole	B.3−1.5K	
SLL1	STC Slowness Lower Limit − Lower Dipole	40	US/F
SST1	STC Slowness Step − Lower Dipole	4	US/F
SSW1	STC Source Waveform − Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit − Lower Dipole	1400	US/F
SWD1	STC Slowness Width − Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill − Lower Dipole	0	US
TLL1	STC Time Lower Limit − Lower Dipole	600	US
TST1	STC Time Step − Lower Dipole	200	US
TUL1	STC Time Upper Limit − Lower Dipole	20440	US
TWD1	STC Time Width − Lower Dipole	2000	US
TWI1	STC Integration Time Window − Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 09:51

OP System Version: 19C0−187

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51		

Company: International Ocean Discovery Program Well: Expedition 393, Site U1560B

Output DLIS Files

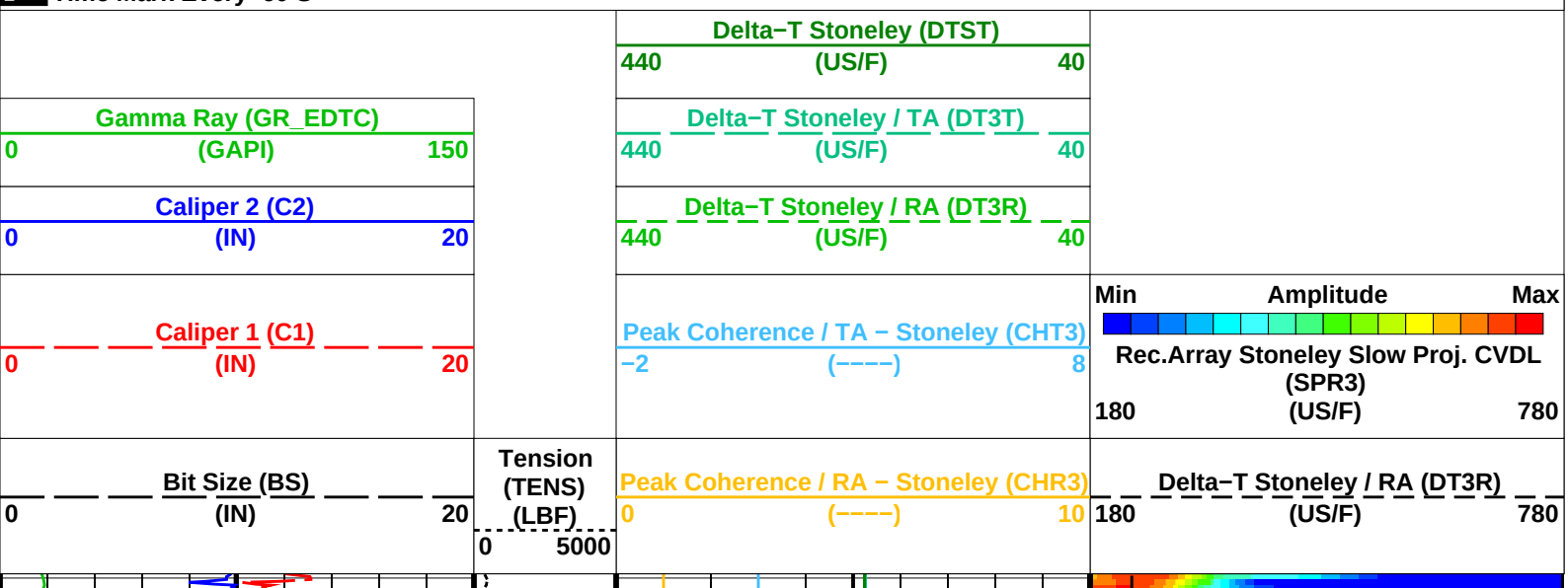
DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51	4043.9 M	3862.9 M

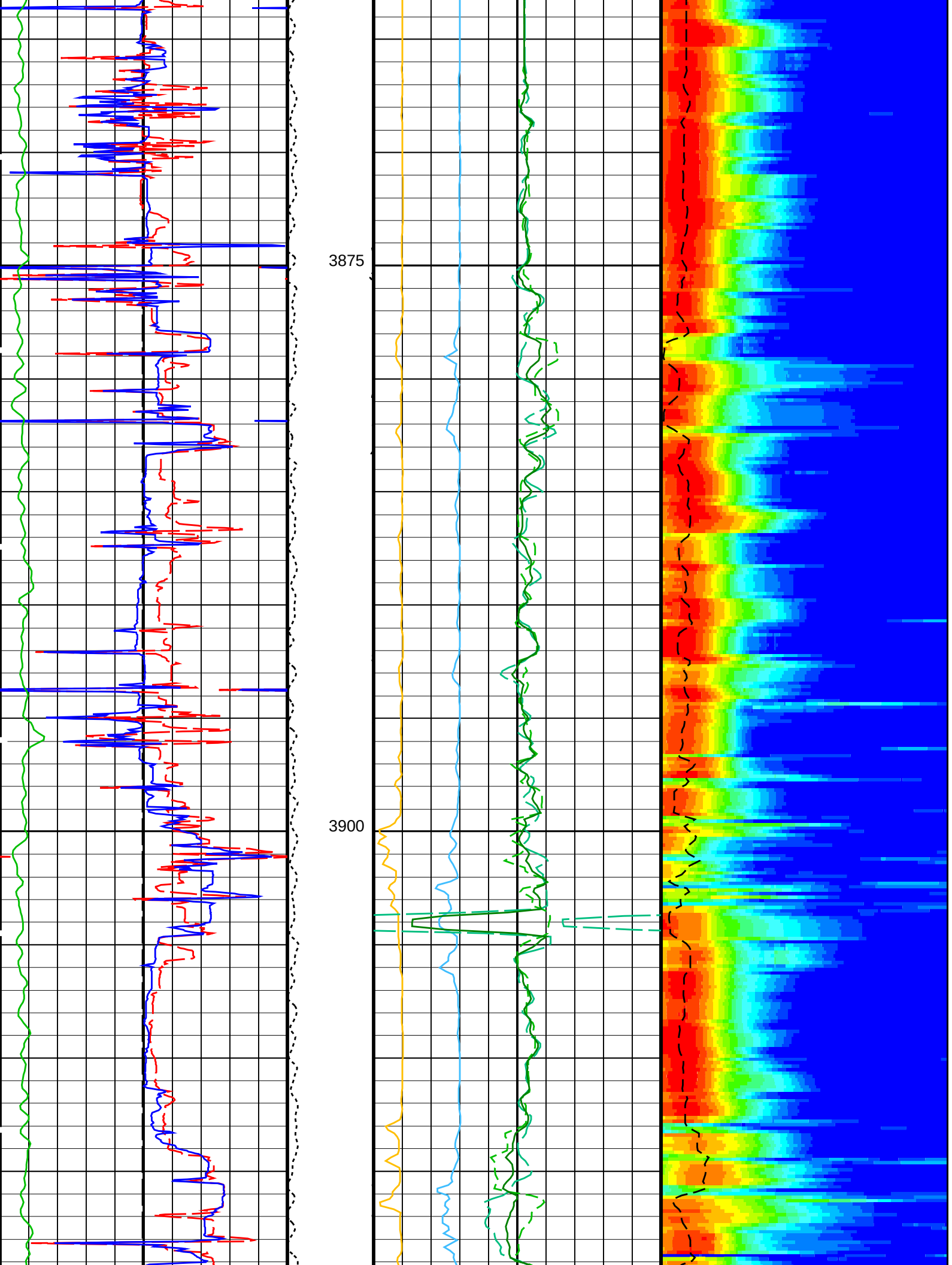
OP System Version: 19C0−187

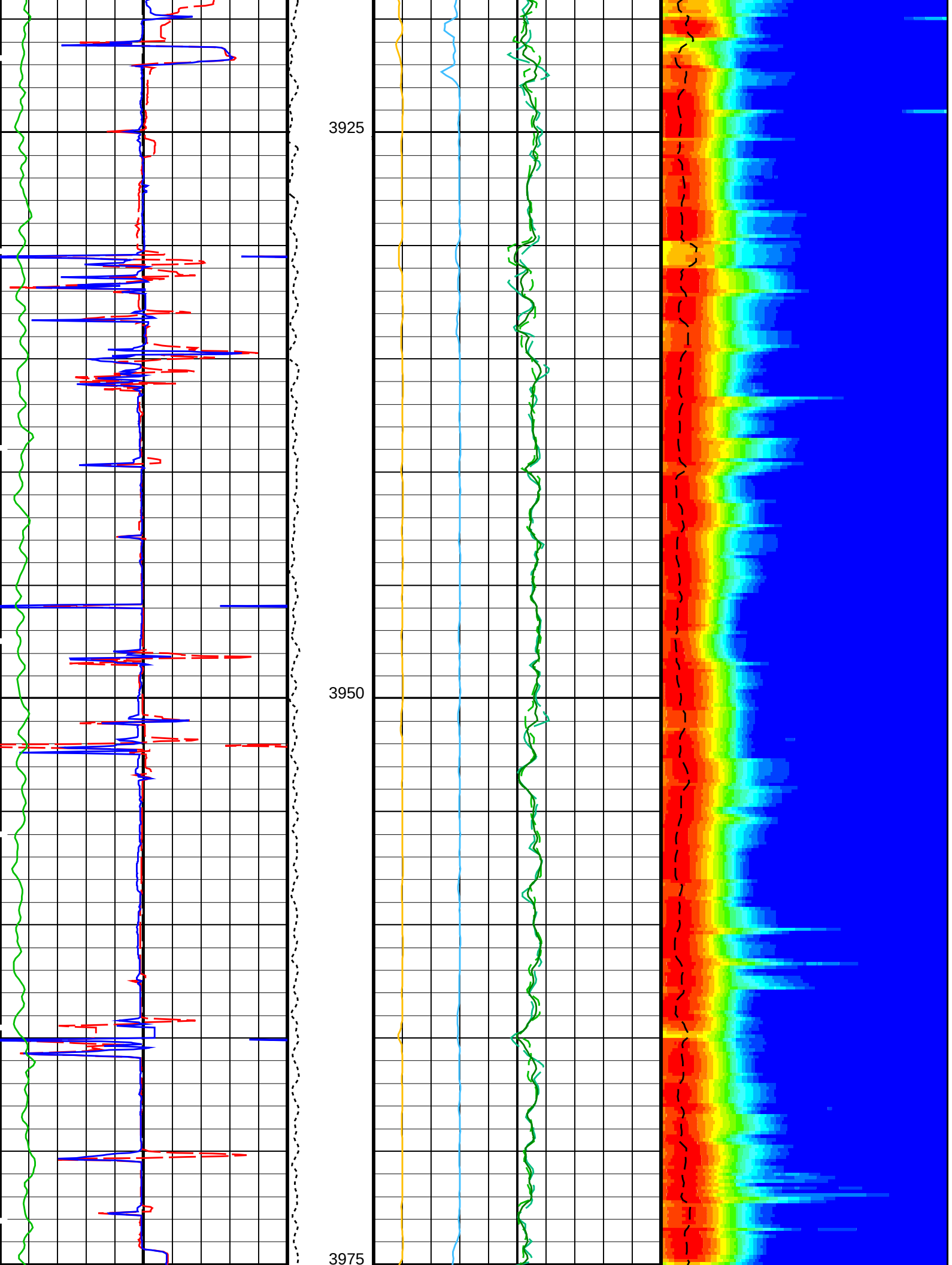
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	SKK−5169−EDTCB

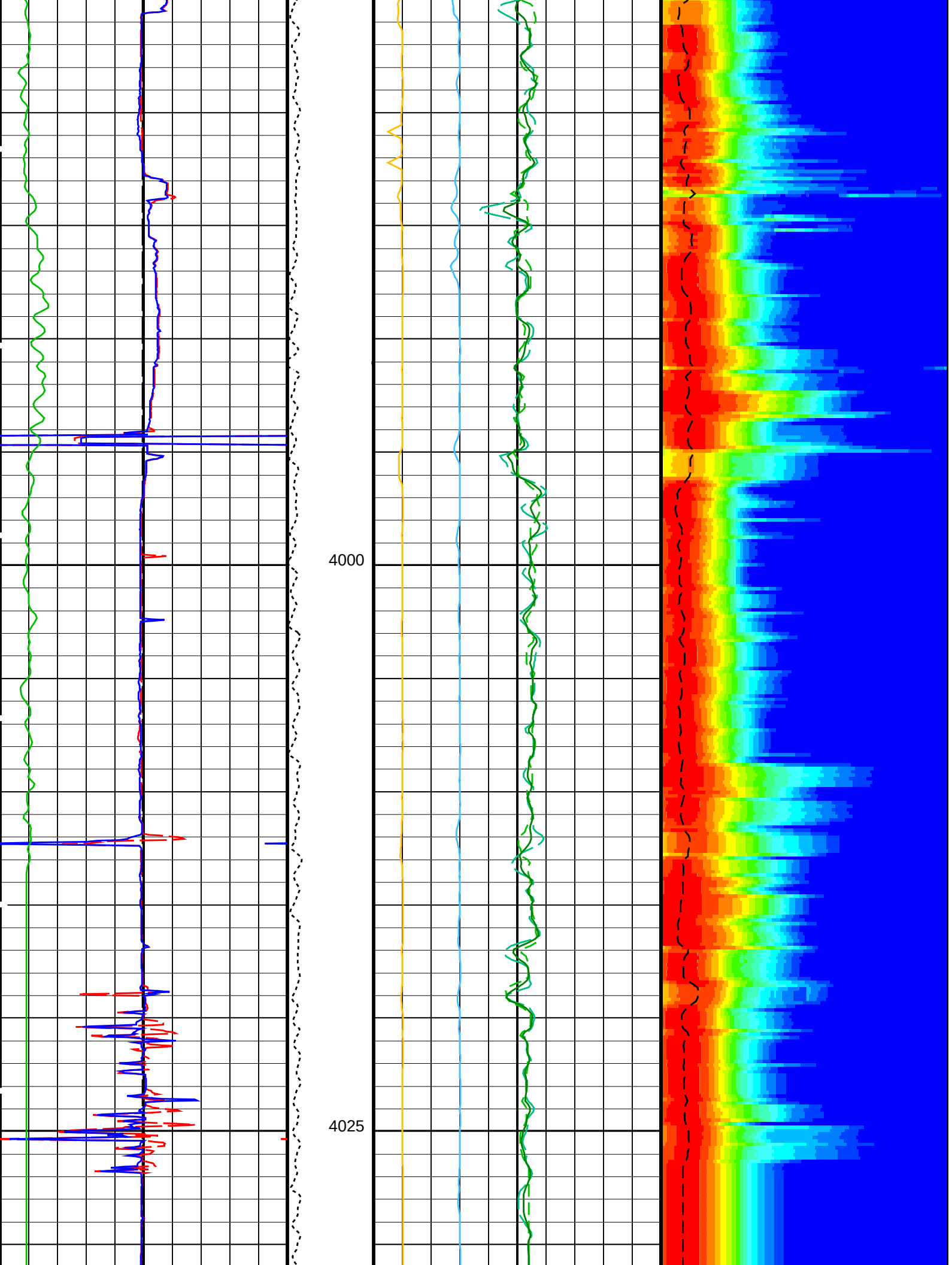
PIP SUMMARY

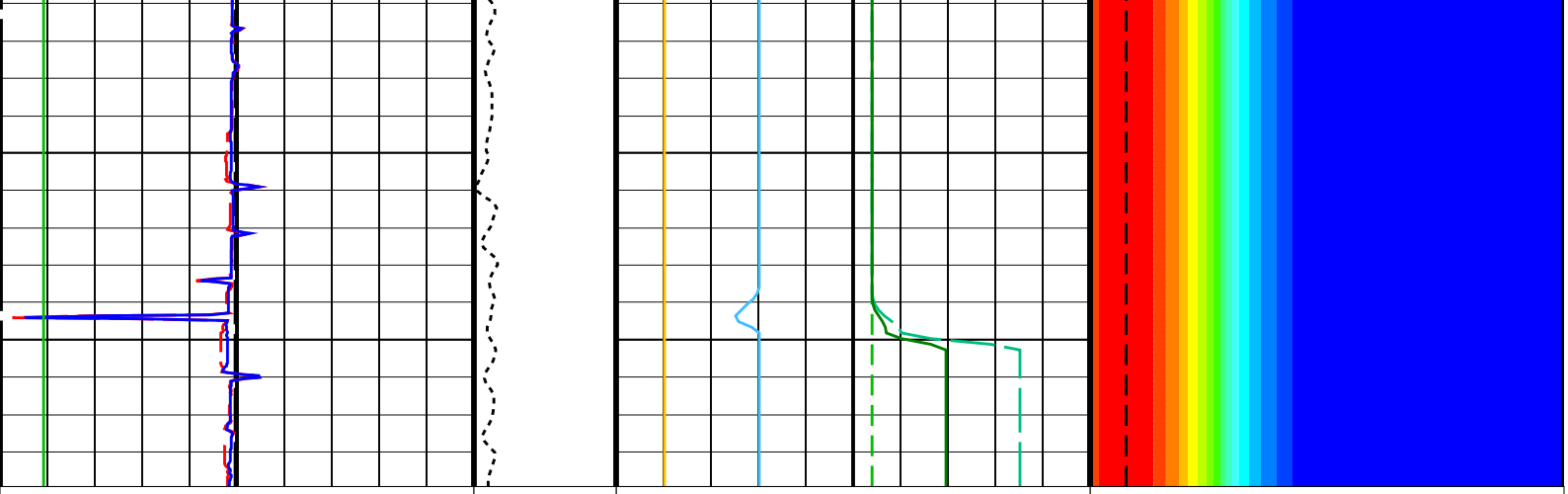
Time Mark Every 60 S




3875
3900


3925
3950
3975


4000
4025



Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Stoneley (CHR3)	Delta−T Stoneley / RA (DT3R)
0 (IN) 20	0 (LBF) 5000	0 (−−−−) 10	180 (US/F) 780

Caliper 1 (C1)		Peak Coherence / TA − Stoneley (CHT3)	Min Amplitude Max Rec.Array Stoneley Slow Proj. CVDL (SPR3)
0 (IN) 20		−2 (−−−−) 8	180 (US/F) 780

Caliper 2 (C2)		Delta−T Stoneley / RA (DT3R)	
0 (IN) 20		440 (US/F) 40	

Gamma Ray (GR_EDTC)		Delta−T Stoneley / TA (DT3T)	
0 (GAPI) 150		440 (US/F) 40	

		Delta−T Stoneley (DTST)	
		440 (US/F) 40	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
DDE3	Digitizing Delay 3	0	US
DDEX	Digitizing Delay X	0	US
DSI3	Digitizer Sample Interval 3	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC3	Digitizer Word Count 3	512	
DWCX	Digitizer Word Count X	512	
MTXG	Monopole Transmitter Geometry	186	IN
NWI3	Number Waveform Items 3	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
SAM3	DSST Sonic Acquisition Mode 3 − Monopole Mode for Stoneley	EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS3	STC Sonic Array Status − Monopole Stoneley	255	
SBO3	STC Search Band Offset − Monopole Stoneley	2000	US
SBW3	STC Search Bandwidth − Monopole Stoneley	6000	US
SFC3	STC Formation Character − Monopole Stoneley	SELECTABLE	
SFM3	STC Filter − Monopole Stoneley	B.5−1.5K	
SLL3	STC Slowness Lower Limit − Monopole Stoneley	180	US/F
SST3	STC Slowness Step − Monopole Stoneley	4	US/F
SSW3	STC Source Waveform − Monopole Stoneley	WF_SAM3	
STLL	Label Slowness Lower Limit − Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit − Monopole Stoneley	780	US/F

SWD3	STC Slowness Width − Monopole Stoneley	40	US/F
TBF3	STC Time for Baseline Fill − Monopole Stoneley	0	US
TLL3	STC Time Lower Limit − Monopole Stoneley	620	US
TST3	STC Time Step − Monopole Stoneley	200	US
TUL3	STC Time Upper Limit − Monopole Stoneley	12020	US
TWD3	STC Time Width − Monopole Stoneley	2000	US
TWI3	STC Integration Time Window − Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 09:51

OP System Version: 19C0−187

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51	

Company: International Ocean Discovery Program Well: Expedition 393, Site U1560B

Output DLIS Files

DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51	4043.9 M	3862.9 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	EDTC−B	SKK−5169−EDTCB

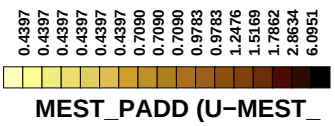
Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
XGAI	GAIN_3	GAIN_2	4016.1 09:56:03

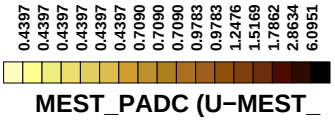
PIP SUMMARY

Time Mark Every 60 S

Relative Bearing (RB_MEST) −40 (DEG) 360		Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (−−−−) 20
Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360		Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (−−−−) 30
Hole Azimuth (HAZIM) −40 (DEG) 360		Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (−−−−) 40
Gamma Ray (GR_EDTC) 0 (GAPI) 150		Data Button 5 − Varies with RBS (U−MEST_RB5) −50 (−−−−) 50
Deviation (DEVIM) 0 (DEG) 10		Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60
Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70



MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)



MEST_PADC (U−MEST_

RESISTIVITY_PADC_DS)
(----)

Caliper 1 (C1)
0 (IN) 20

EMEX Intensity (EI)
0 (AMPS) 10

Data Button 2 − Varies with RBS (U−MEST_RB2)
−20 (----) 80

0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951
MEST_PADB (U−MEST_RESISTIVITY_PADB_DS)
(----)

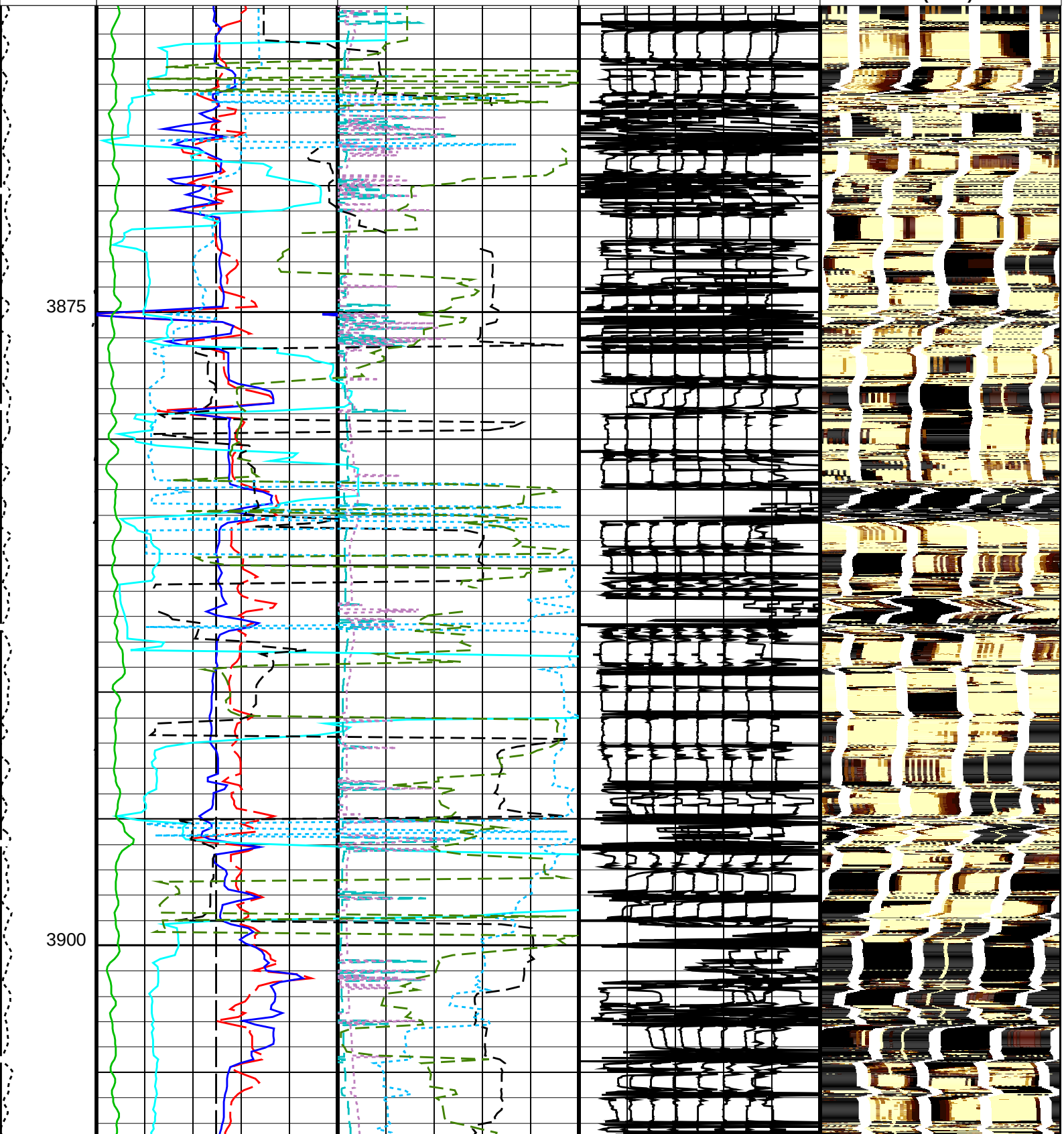
Tension (TENS) (LBF)
0 5000

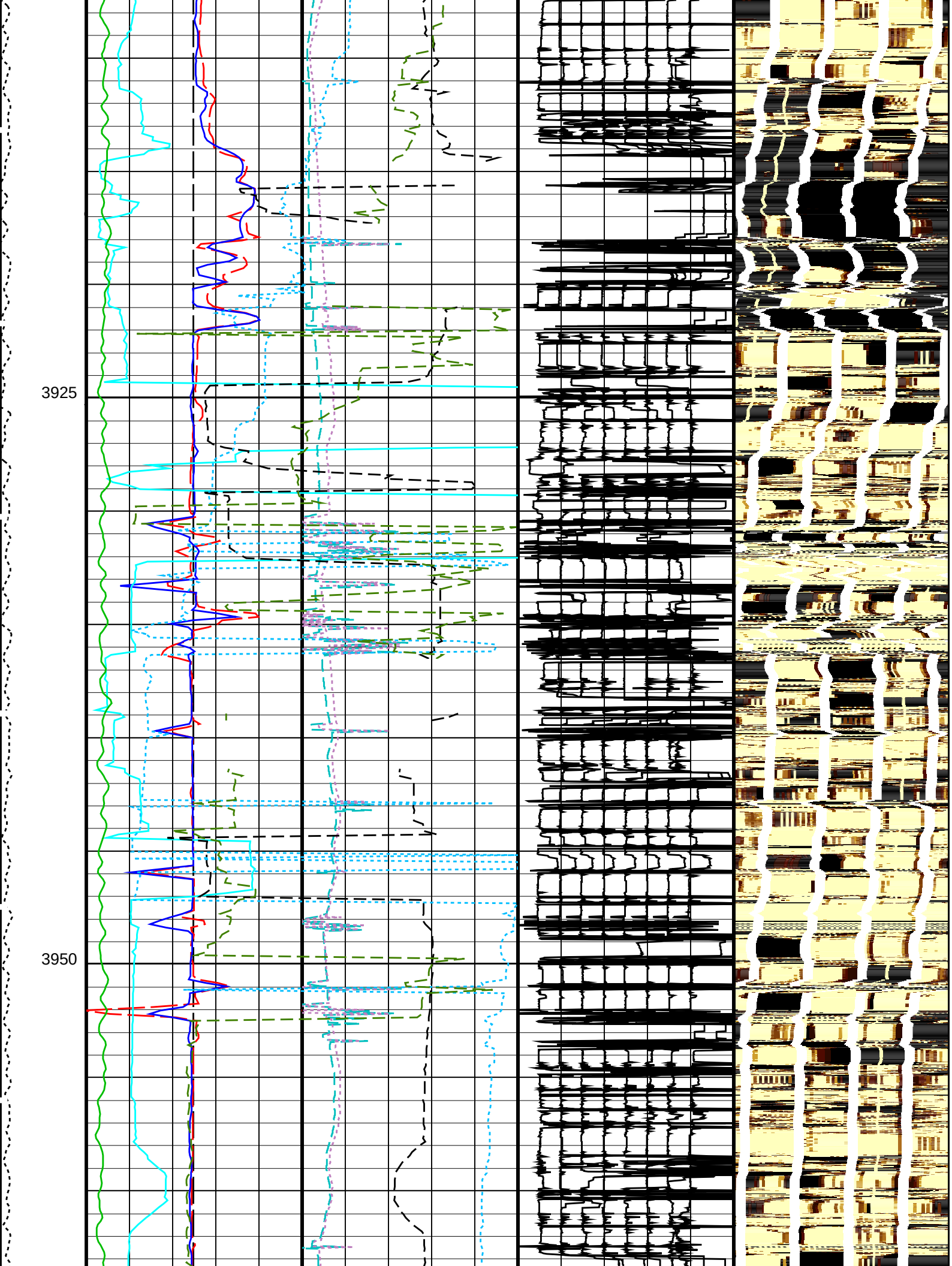
Bit Size (BS)
0 (IN) 20

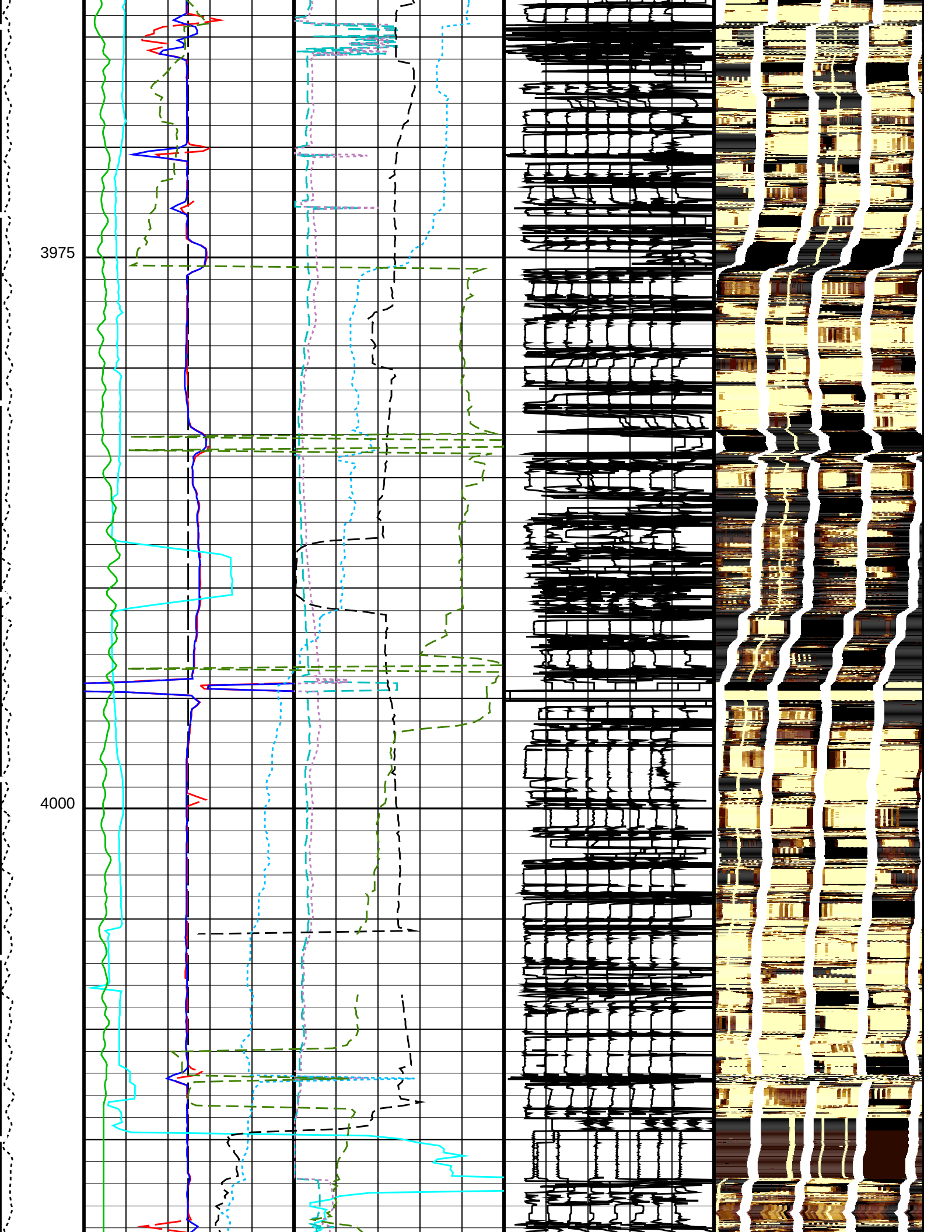
EMEX Voltage (EV)
0 (V) 50

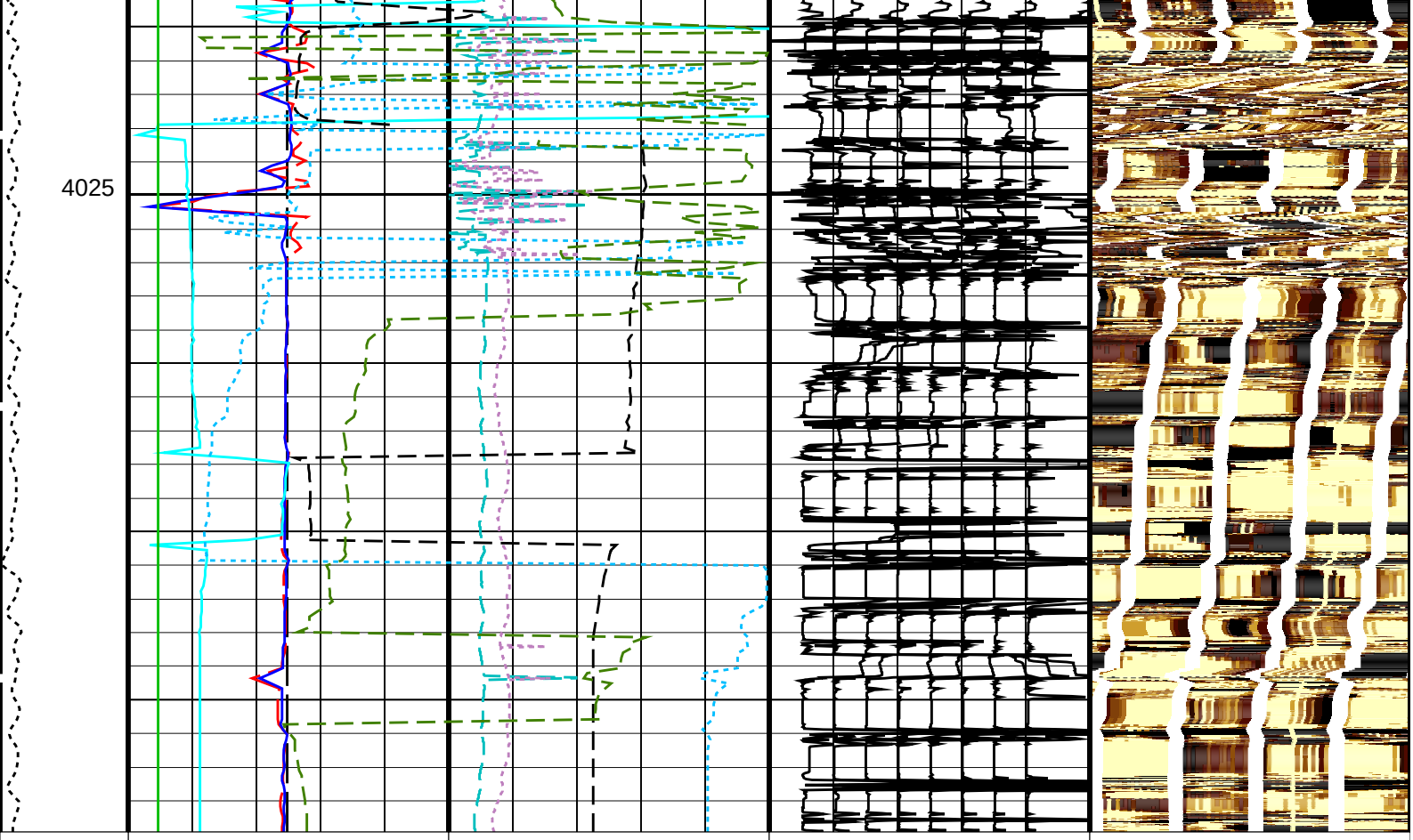
Data Button 1 − Varies with RBS (U−MEST_RB1)
−10 (----) 90

0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951
MEST_PADA (U−MEST_RESISTIVITY_PADA_DS)
(----)




3925
3950


3975
4000



Tension (TENS) (LBF)
0 5000

Bit Size (BS)
0 (IN) 20

EMEX Voltage (EV)
0 (V) 50

Data Button 1 − Varies with RBS (U−MEST_RB1)
−10 (−−−−) 90

0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951
MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)

Caliper 1 (C1)
0 (IN) 20

EMEX Intensity (EI)
0 (AMPS) 10

Data Button 2 − Varies with RBS (U−MEST_RB2)
−20 (−−−−) 80

0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951
MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)

Caliper 2 (C2)
0 (IN) 20

Data Button 3 − Varies with RBS (U−MEST_RB3)
−30 (−−−−) 70

0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951
MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)

Deviation (DEVIM)
0 (DEG) 10

Data Button 4 − Varies with RBS (U−MEST_RB4)
−40 (−−−−) 60

0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951
MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Data Button 5 − Varies with RBS (U−MEST_RB5)
−50 (−−−−) 50

Hole Azimuth (HAZIM)
−40 (DEG) 360

Data Button 6 − Varies with RBS (U−MEST_RB6)
−60 (−−−−) 40

Pad One Azimuth (P1AZ_MEST)
−40 (DEG) 360

Data Button 7 − Varies with RBS (U−MEST_RB7)
−70 (−−−−) 30

Relative Bearing (RB_MEST)

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

−40	(DEG)	360

−80	(−−−−)	20

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	−24.0374	DEG
MLM	MEST Logging Mode	SCAN1800	
RBS	Resistivity Button Selection	AUTO	
XGAI	Gain	GAIN_2	
XOFF	Offset	OFFSET_0	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 09:51

OP System Version: 19C0−187

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_020LUP	FN:18	PRODUCER	28−Jul−2022 09:51		

Schlumberger

Callibrations

MAXIS Field Log

Output DLIS Files

DEFAULT	FMS_DSI_NGS_021LUP	FN:19	PRODUCER	28−Jul−2022 10:29	4043.9 M	3863.3 M

OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)

0 (GAPI) 100

Area1
From HCGR to HSGR

HNGS Computed Gamma Ray (HCGR)

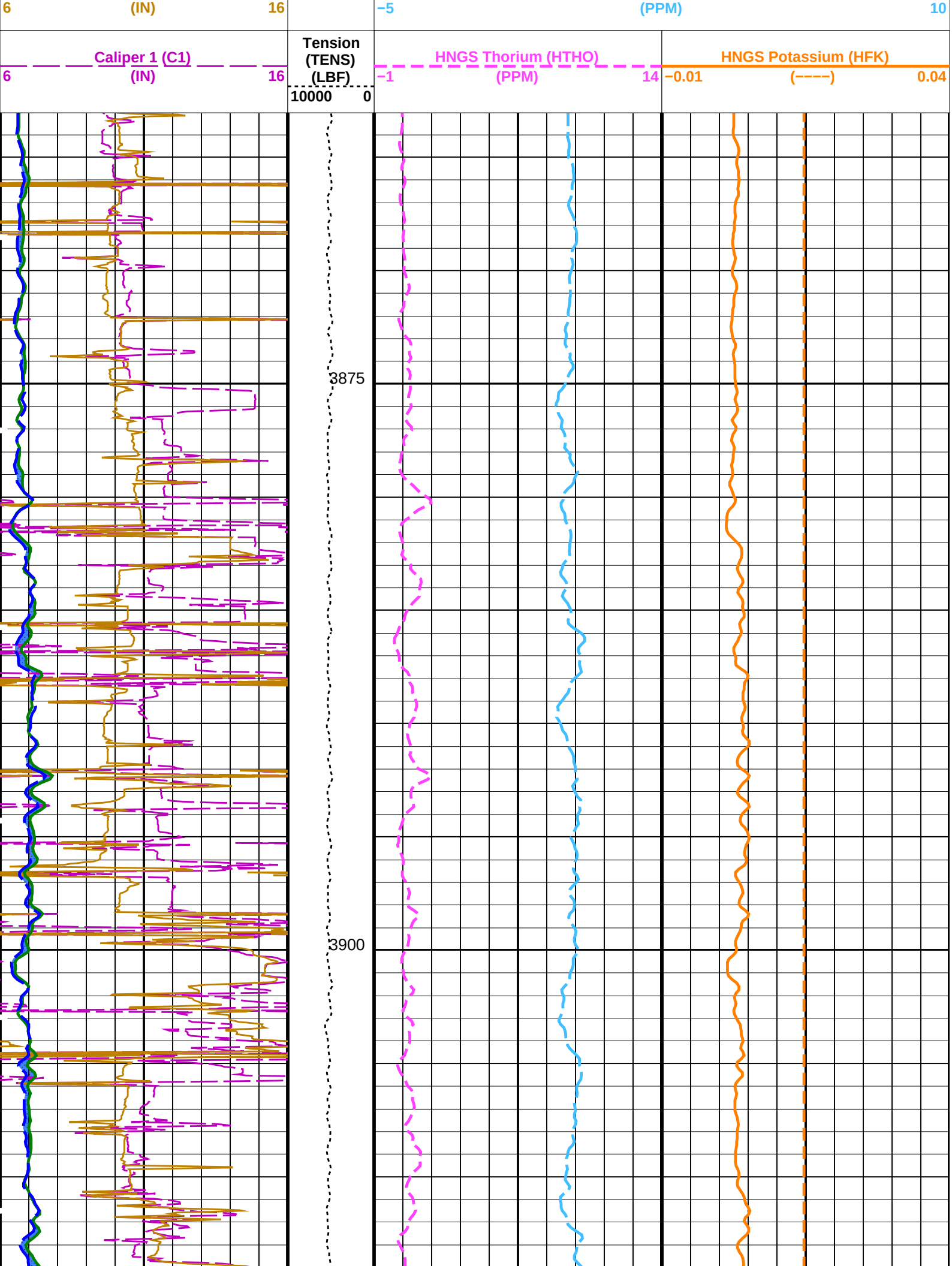
0 (GAPI) 100

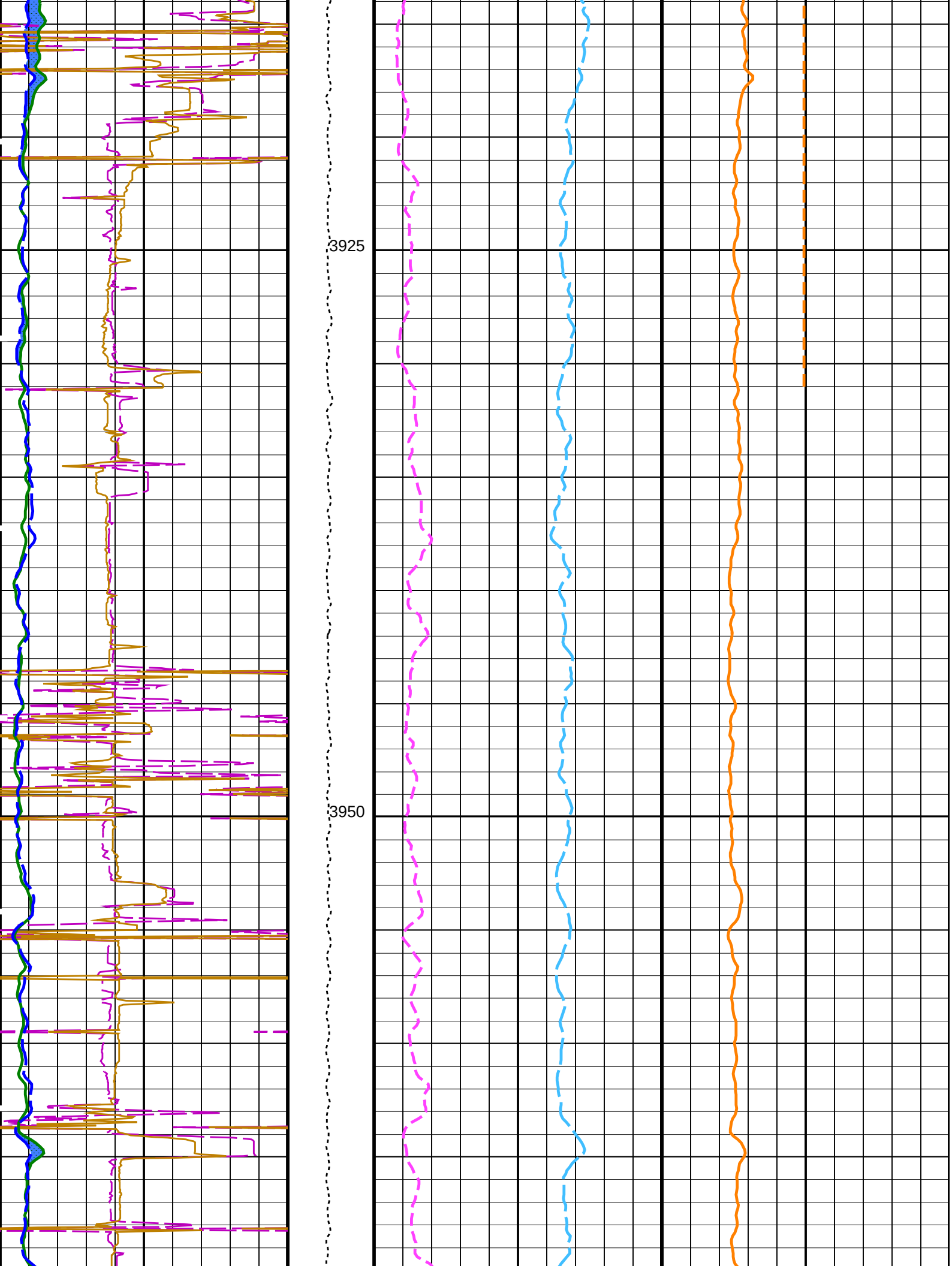
HNGS Borehole Potassium (HBHK)

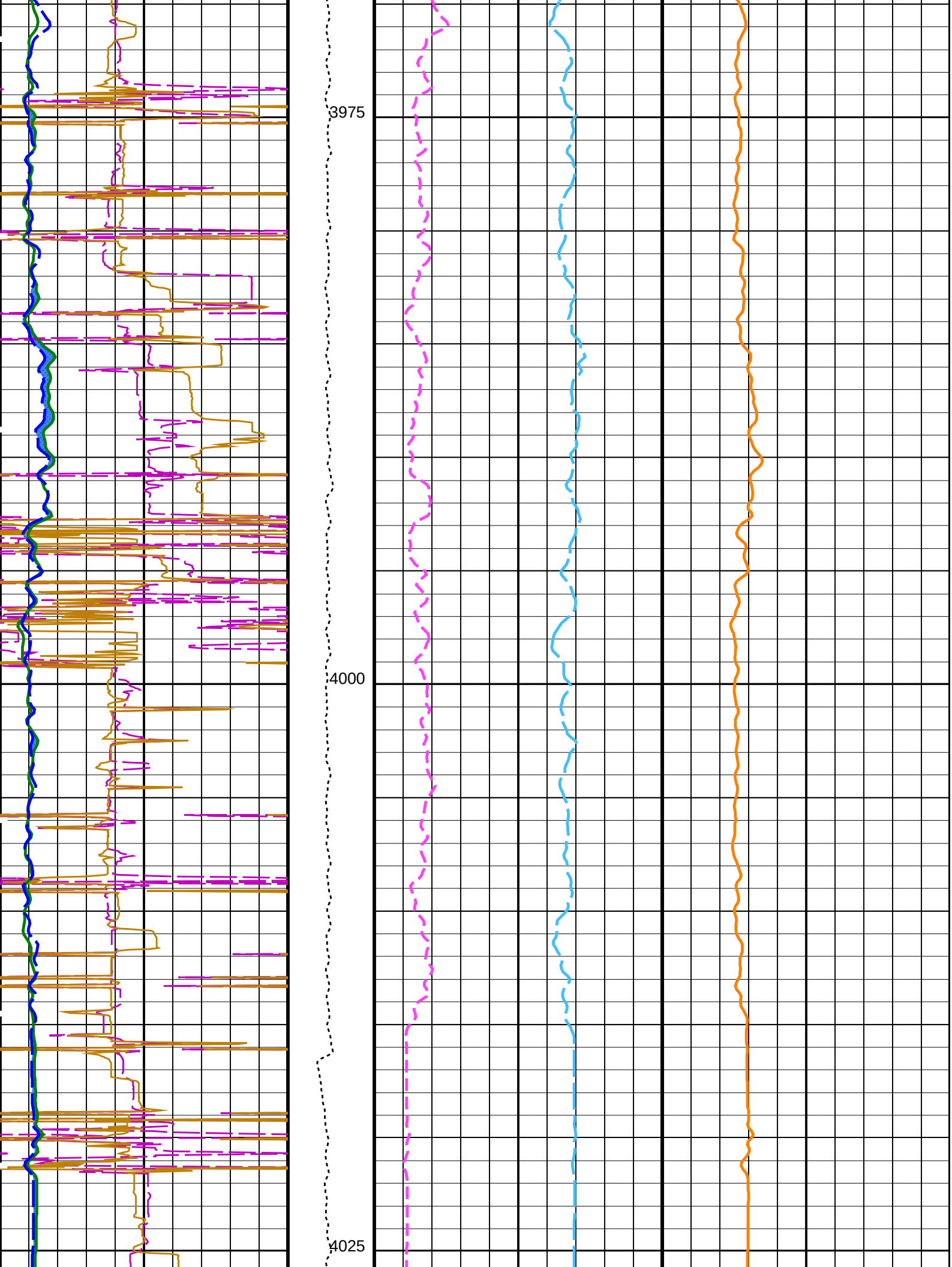
−0.05 (−−−−) 0.05

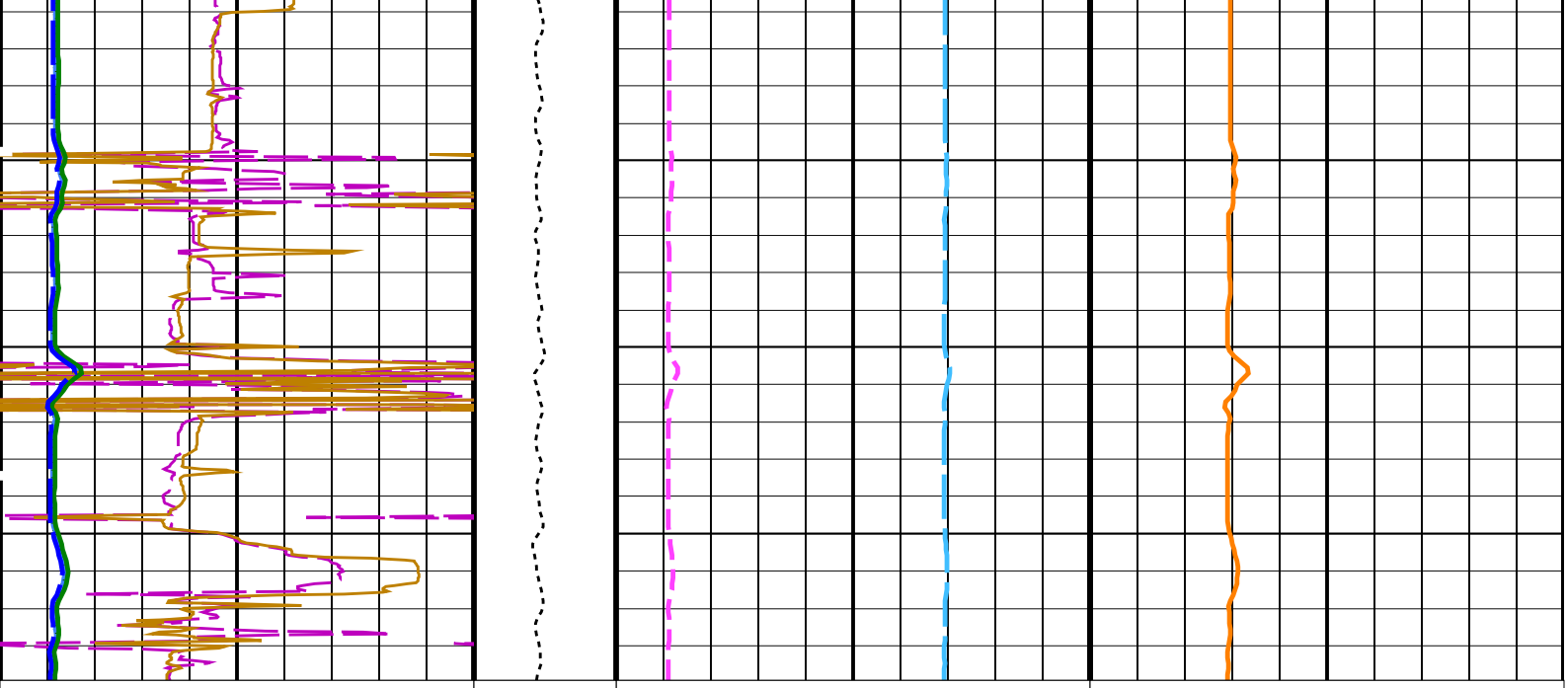
Caliper 2 (C2)

HNGS Uranium (HURA)


6
(IN)
16
−5
(PPM)
10
Caliper 1 (C1)
6
(IN)
16
Tension
(TENS)
(LBF)
10000
0
HNGS Thorium (HTHO)
−1
(PPM)
14
HNGS Potassium (HFK)
−0.01
(−−−−)
0.04
3875
3900


3925
3950


3975
4000
4025



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	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	−0.000648584	
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	1.055	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.993778	

	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.03	G/C3

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 10:29

OP System Version: 19C0−187

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_021LUP	FN:19	PRODUCER	28−Jul−2022 10:29		

Output DLIS Files

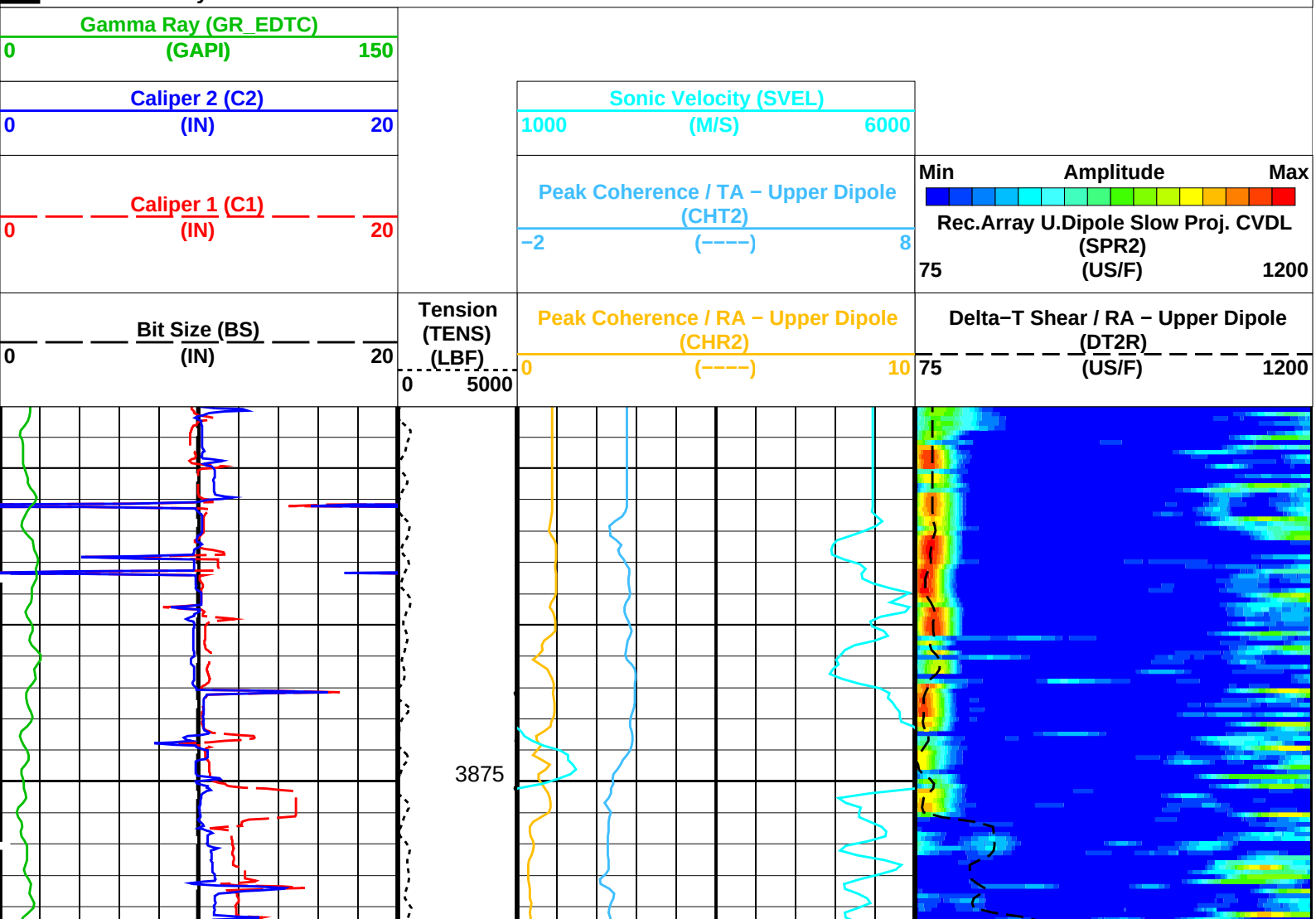
DEFAULT	FMS_DSI_NGS_021LUP	FN:19	PRODUCER	28−Jul−2022 10:29	4043.9 M	3863.3 M

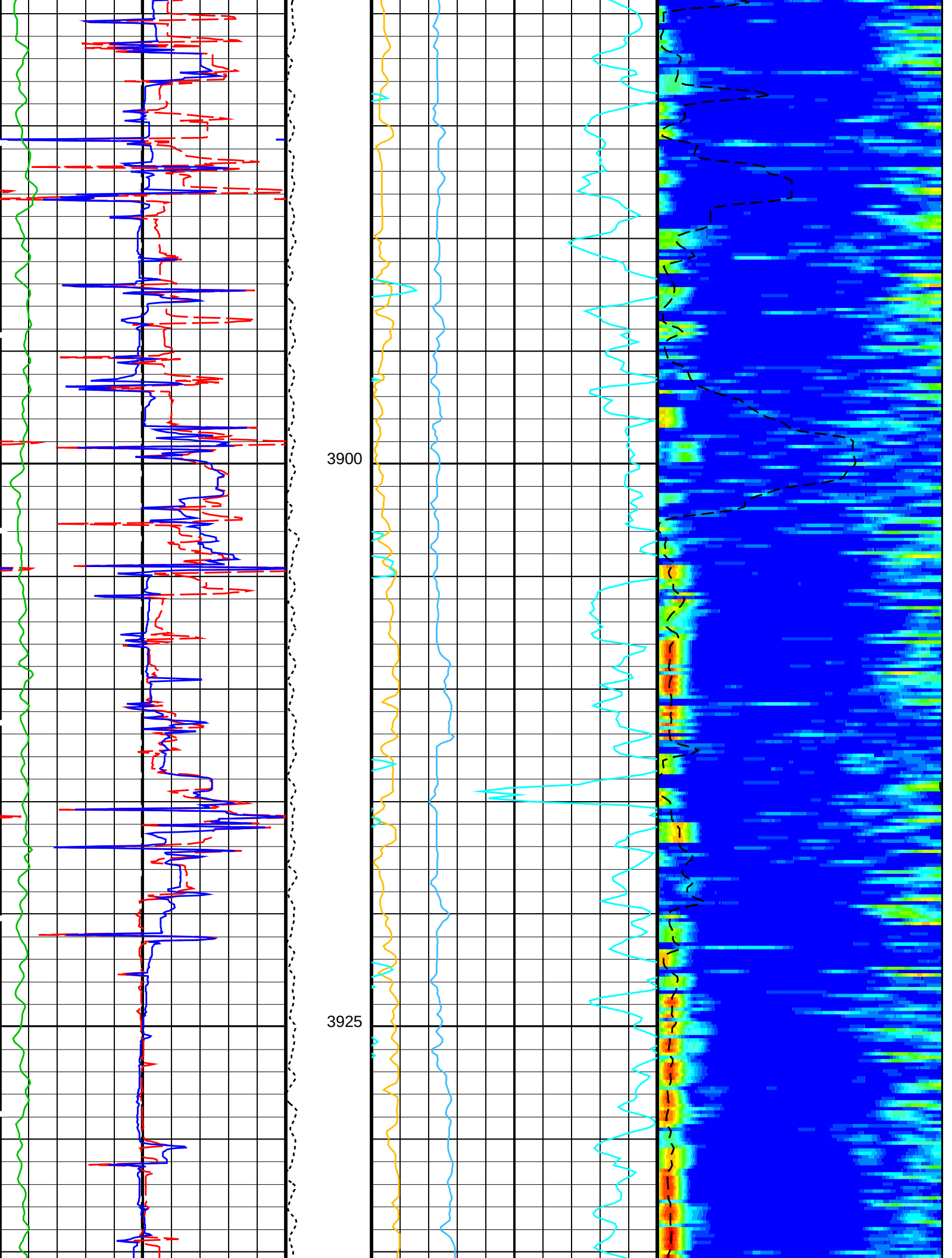
OP System Version: 19C0−187

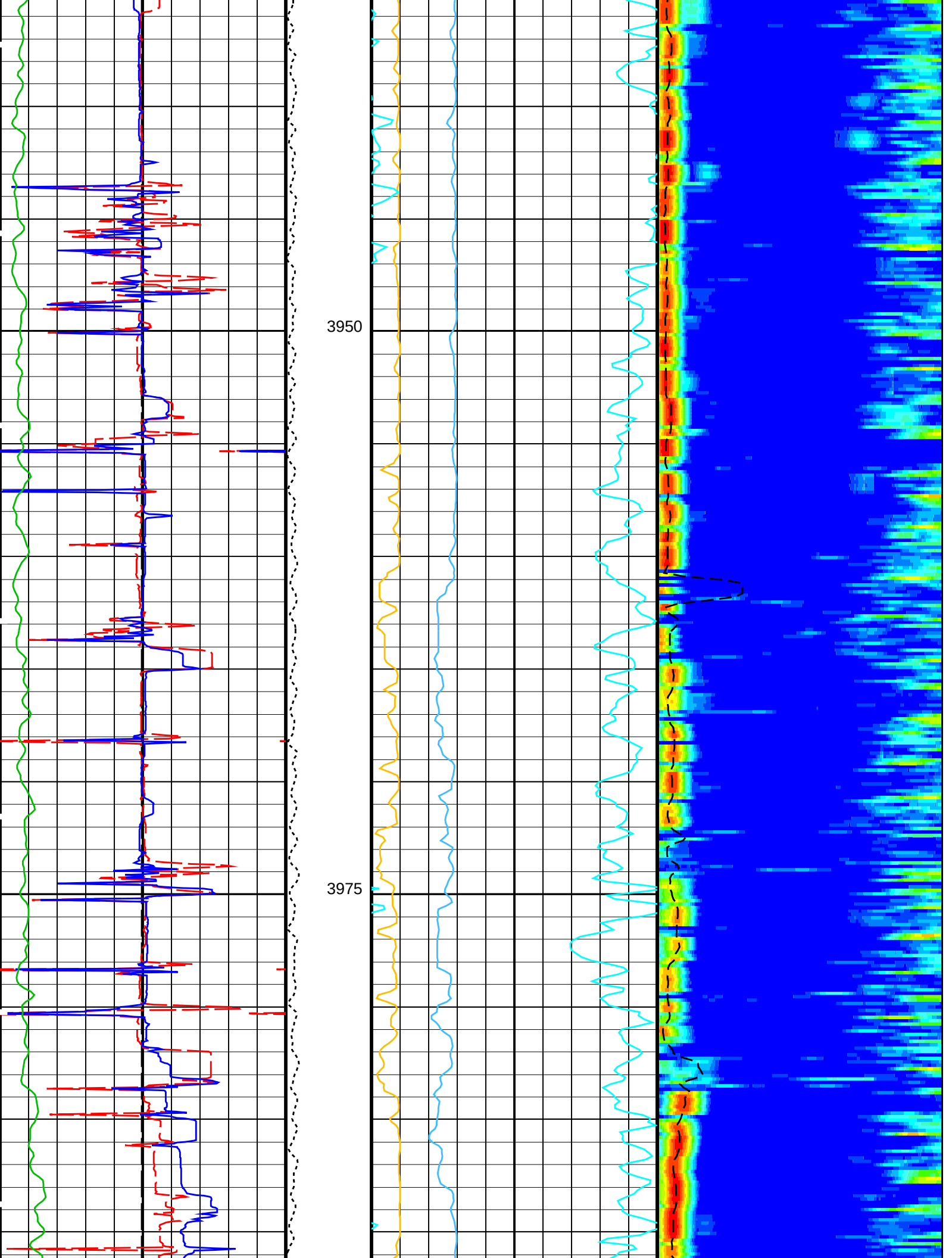
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	SKK−5169−EDTCB

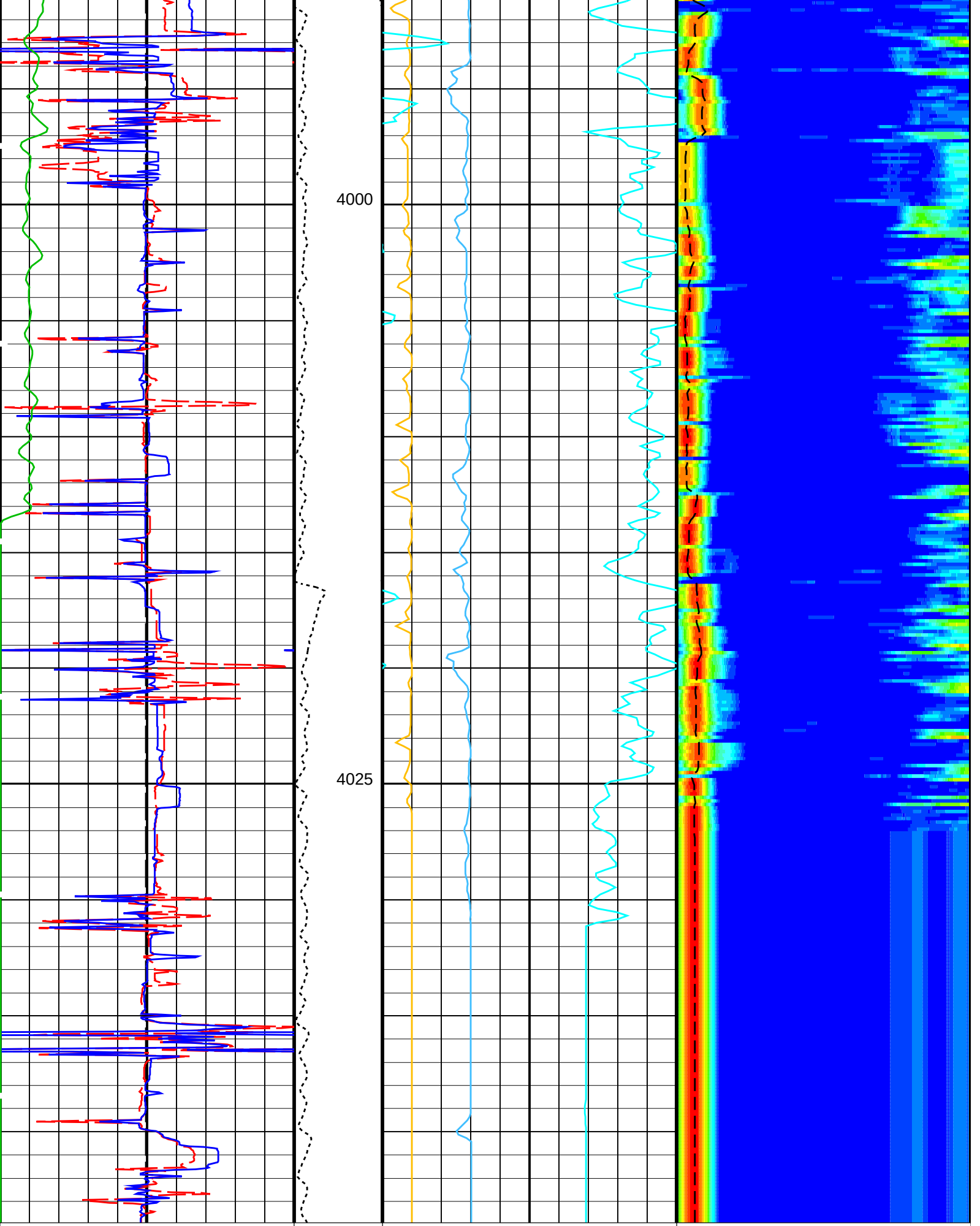
PIP SUMMARY

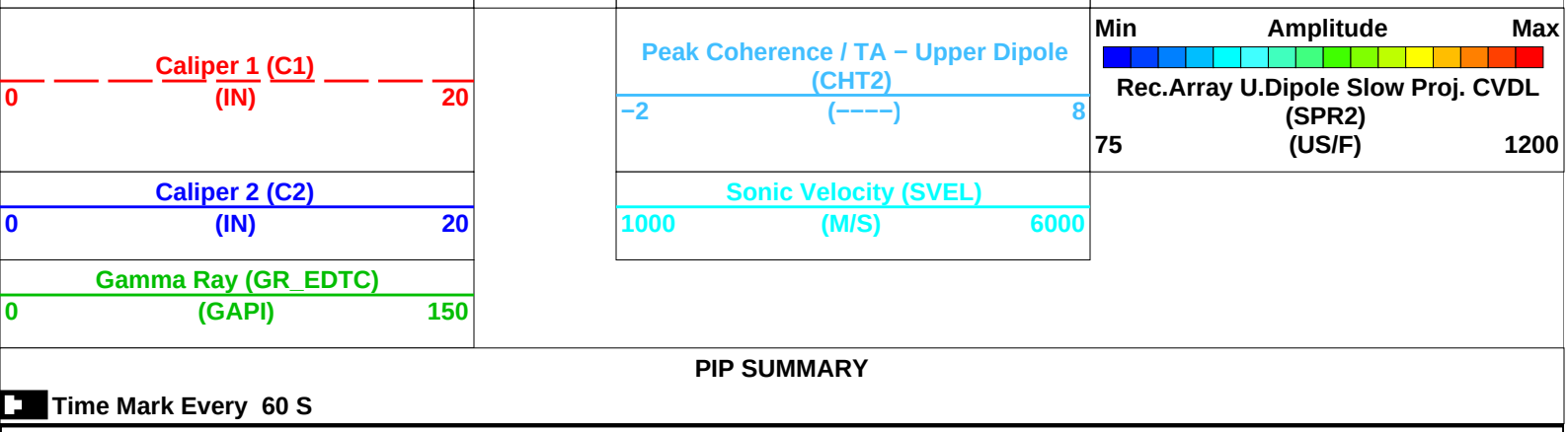
Time Mark Every 60 S




3900
3925


3950
3975


4000
4025
Bit Size (BS)
0
(IN)
20
Tension
(TENS)
(LBF)
0
5000
Peak Coherence / RA − Upper Dipole
(CHR2)
0
(−−−−)
10
Delta−T Shear / RA − Upper Dipole
(DT2R)
75
(US/F)
1200



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
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	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
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
SAM2	DSST Sonic Acquisition Mode 2 − Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status − Upper Dipole	255	
SBO2	STC Search Band Offset − Upper Dipole	3000	US
SBW2	STC Search Bandwidth − Upper Dipole	8000	US
SFC2	STC Formation Character − Upper Dipole	SELECTABLE	
SFM2	STC Filter − Upper Dipole	B1−2K	
SLL2	STC Slowness Lower Limit − Upper Dipole	40	US/F
SST2	STC Slowness Step − Upper Dipole	4	US/F
SSW2	STC Source Waveform − Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit − Upper Dipole	1400	US/F
SWD2	STC Slowness Width − Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill − Upper Dipole	0	US
TLL2	STC Time Lower Limit − Upper Dipole	600	US
TST2	STC Time Step − Upper Dipole	200	US
TUL2	STC Time Upper Limit − Upper Dipole	20440	US
TWD2	STC Time Width − Upper Dipole	2000	US
TWI2	STC Integration Time Window − Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 10:29

OP System Version: 19C0−187

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_021LUP	FN:19	PRODUCER	28−Jul−2022 10:29

Company: International Ocean Discovery Program | Well: Expedition 393, Site U1560B

Output DLIS Files

DEFAULT	FMS_DSI_NGS_021LUP	FN:19	PRODUCER	28−Jul−2022 10:29	4043.9 M	3863.3 M

OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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

Delta−T Shear / TA − P & S (DTTS)
440 (US/F) 40

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

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

Delta−T Comp / TA − P & S (DTTP)
440 (US/F) 40

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

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Peak Coherence / TA − P & S Shear (CHTS)
−1 (−−−−) 9

Caliper 2 (C2)
0 (IN) 20

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

Min Amplitude Max

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

Caliper 1 (C1)
0 (IN) 20

Peak Coherence / TA − P & S Comp (CHTP)
0 (−−−−) 10

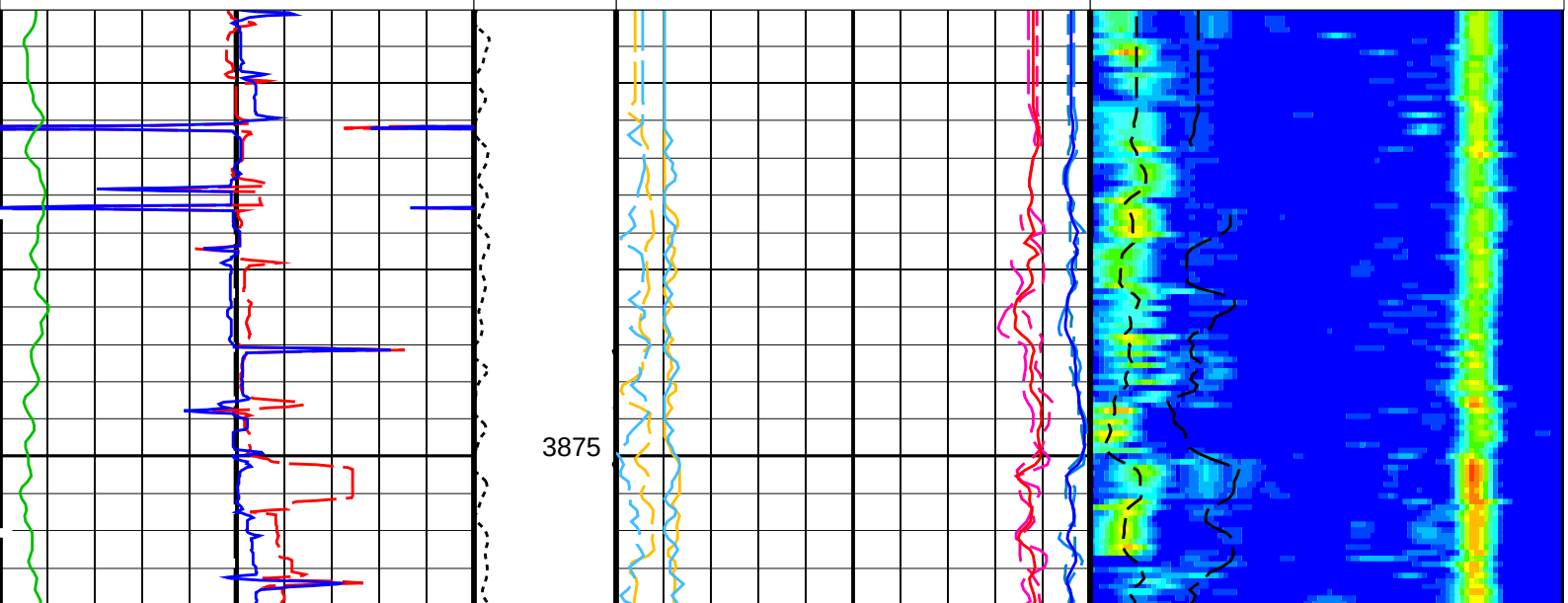
Delta−T Shear / RA − P & S (DTRS)
40 (US/F) 240

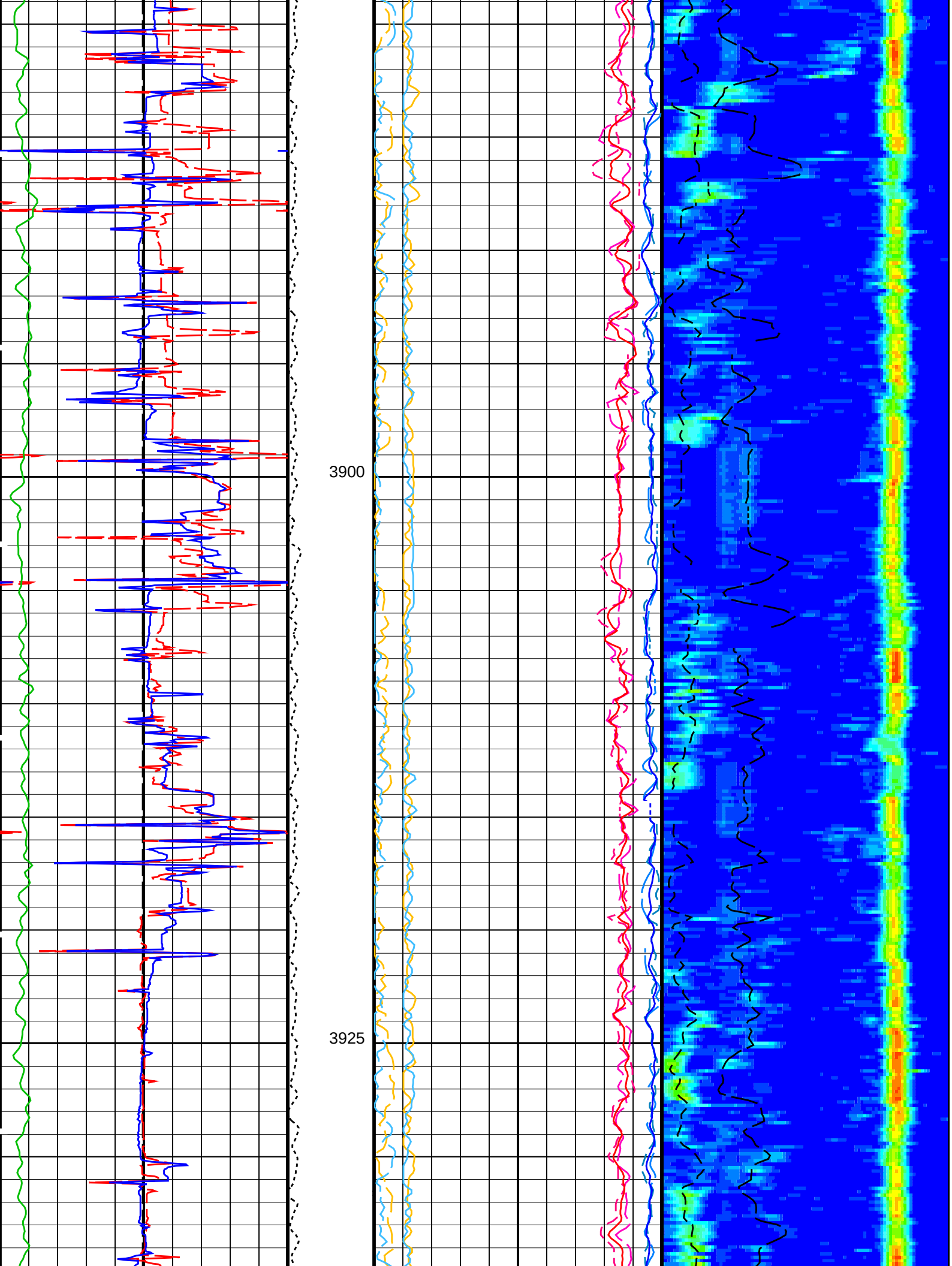
Bit Size (BS)
0 (IN) 20

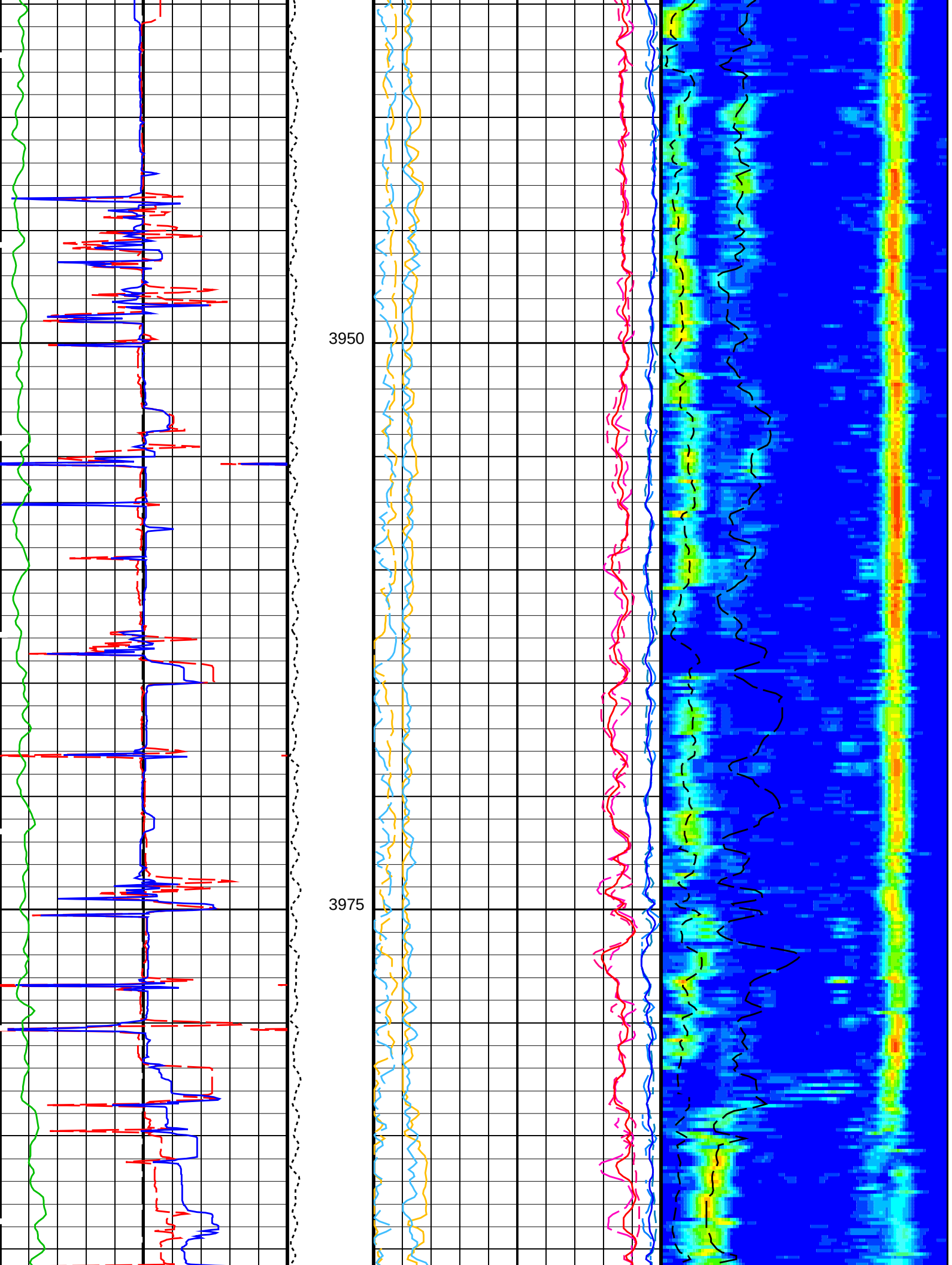
Tension (TENS) (LBF)
0 5000

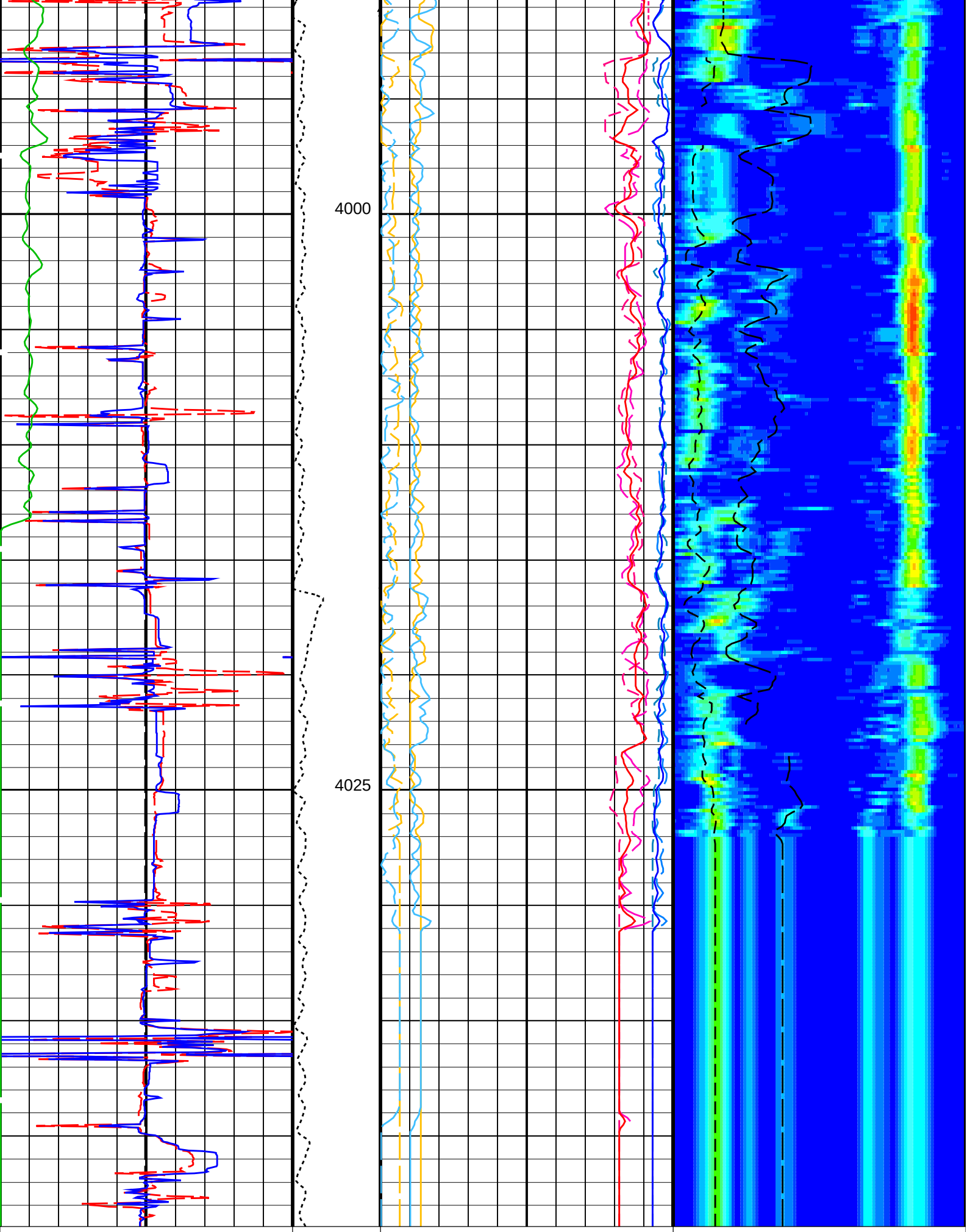
Peak Coherence / RA − P & S Comp (CHRP)
0 (−−−−) 10

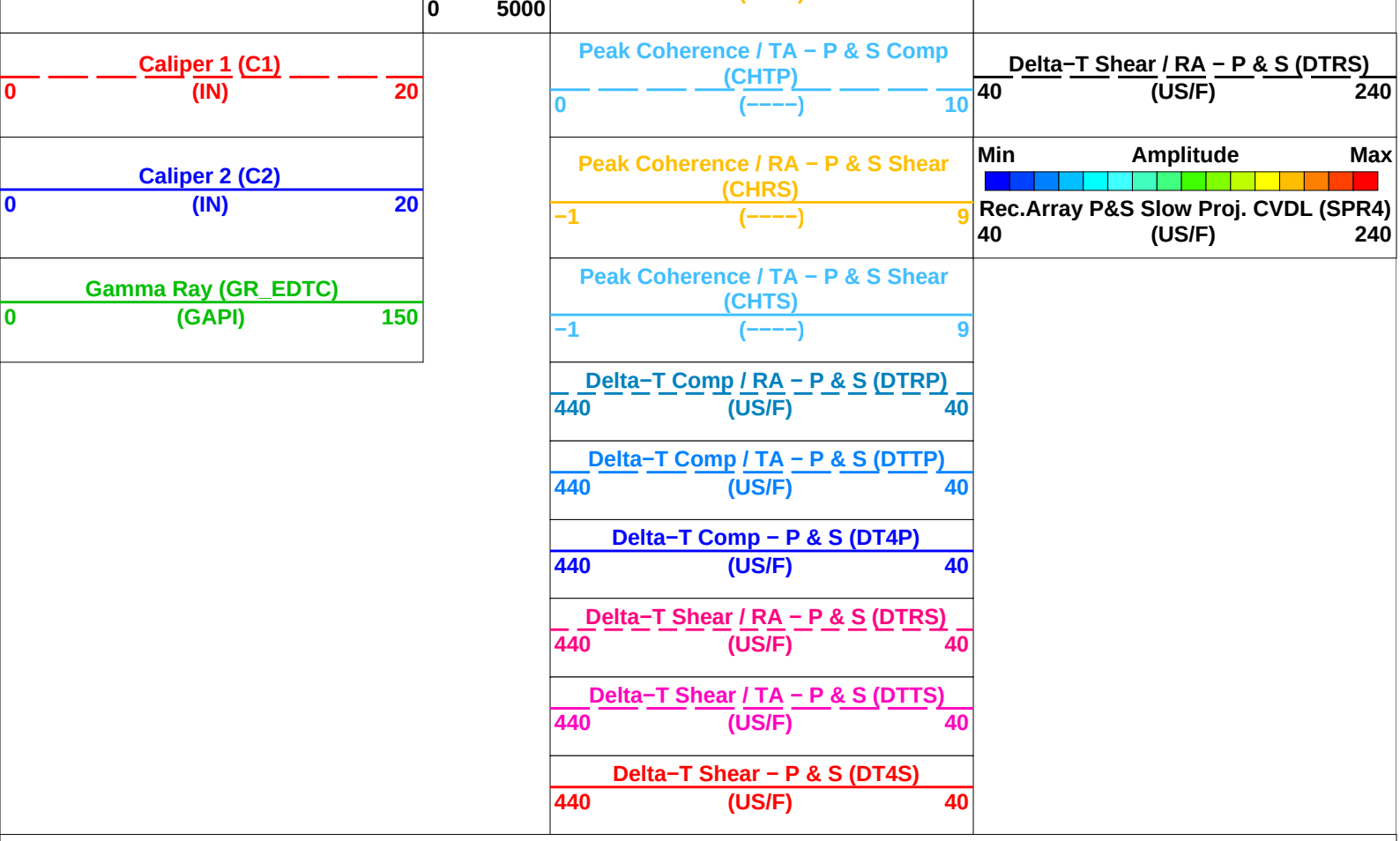
Delta−T Comp / RA − P & S (DTRP)
40 (US/F) 240




3900
3925


3950
3975


4000
4025
Bit Size (BS)
0
(IN)
20
Tension
(TENS)
(LBF)
Peak Coherence / RA − P & S Comp
(CHRP)
0
(−−−−)
10
Delta−T Comp / RA − P & S (DTRP)
40
(US/F)
240



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	70	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTF	Delta−T Fluid	212	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control − Monopole P&S	COMP	
LFC	Label Formation Character − Monopole P&S	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
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	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
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	70	US/F

SHUL	Label Slowness Upper Limit − Monopole P&S Shear	140	US/F
SLL4	STC Slowness Lower Limit − Monopole P&S	40	US/F
SST4	STC Slowness Step − Monopole P&S	2	US/F
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
TWI4	STC Integration Time Window − Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 10:29

OP System Version: 19C0−187

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_021LUP	FN:19	PRODUCER	28−Jul−2022 10:29

Output DLIS Files

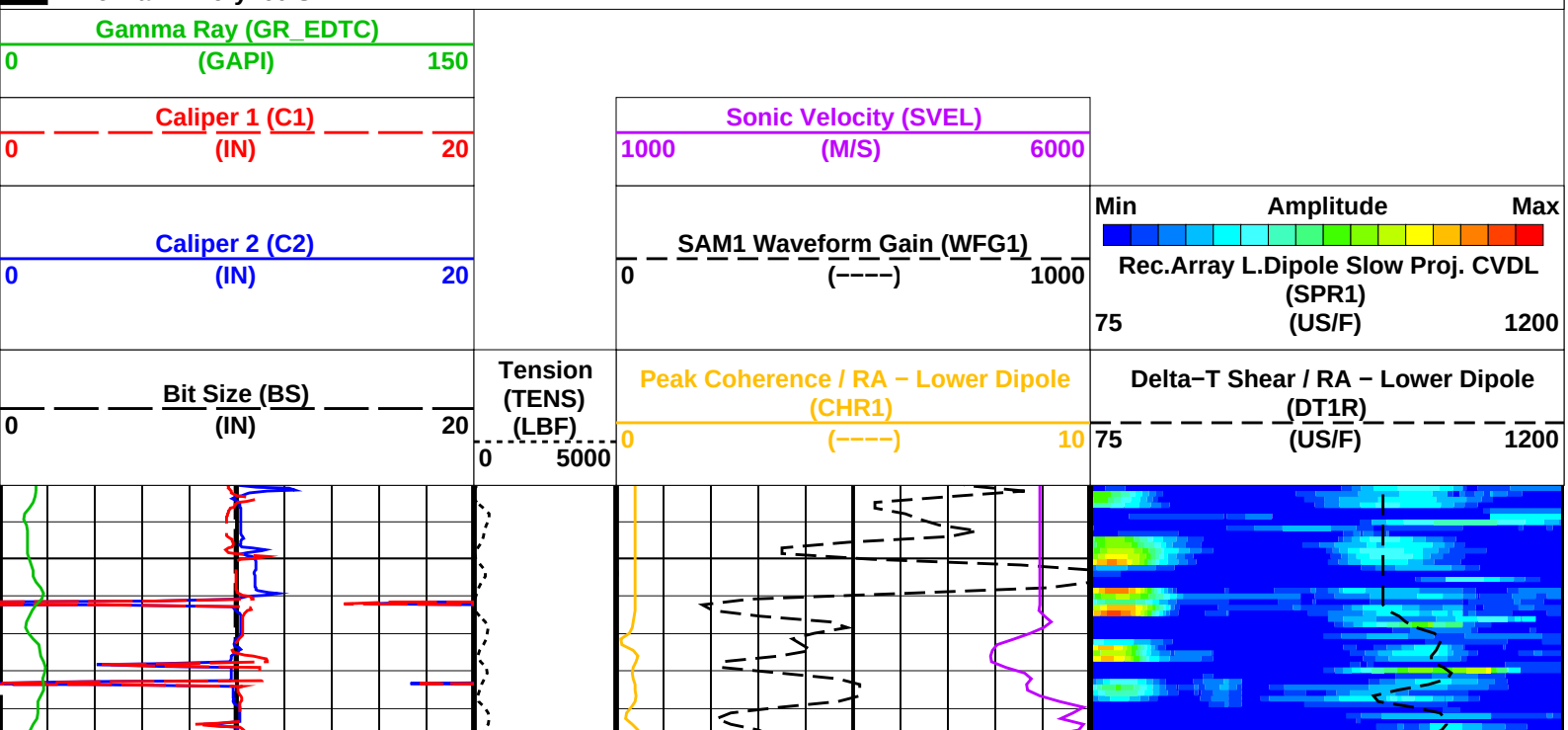
DEFAULT	FMS_DSI_NGS_021LUP	FN:19	PRODUCER	28−Jul−2022 10:29	4043.9 M	3863.3 M

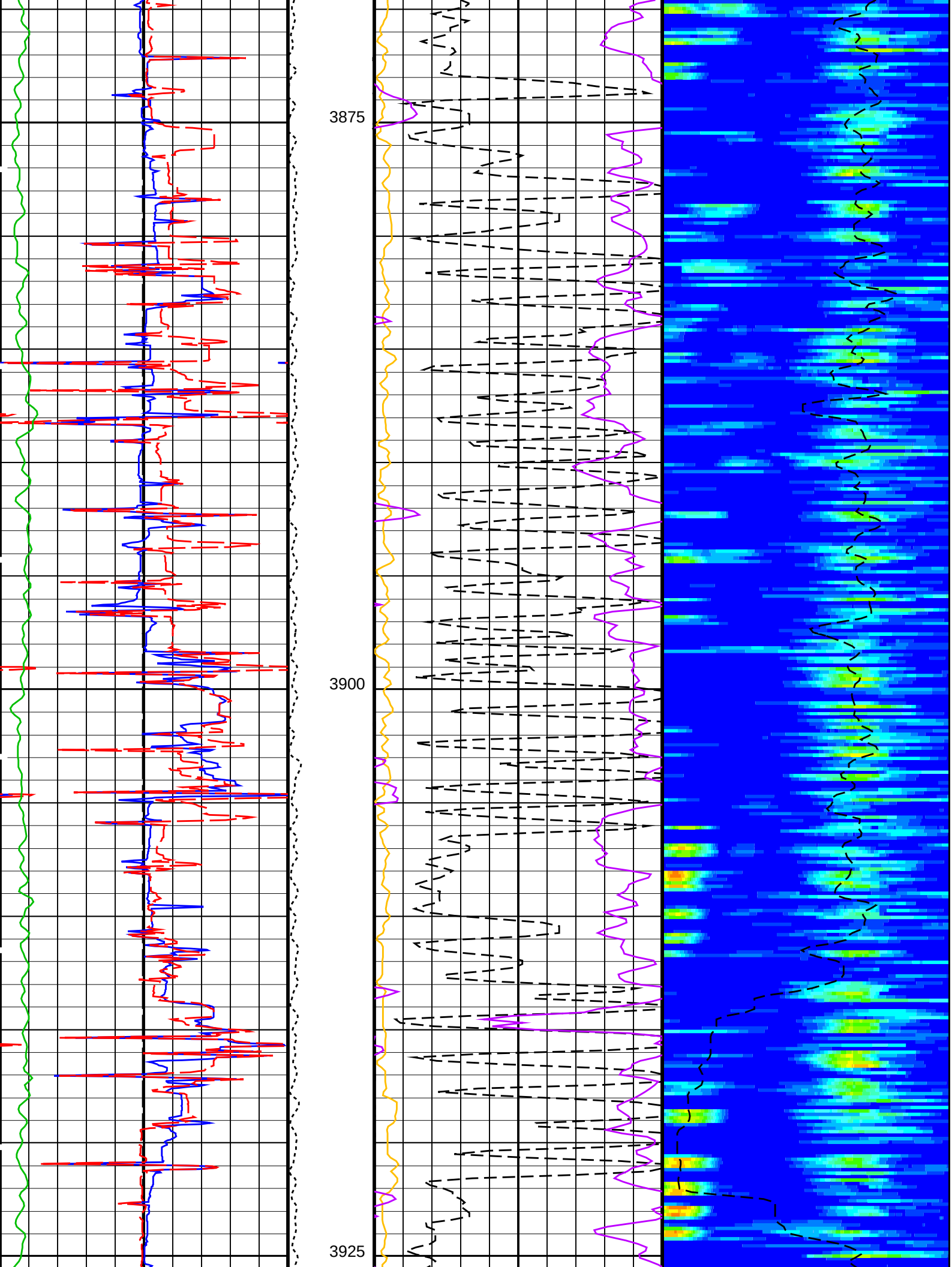
OP System Version: 19C0−187

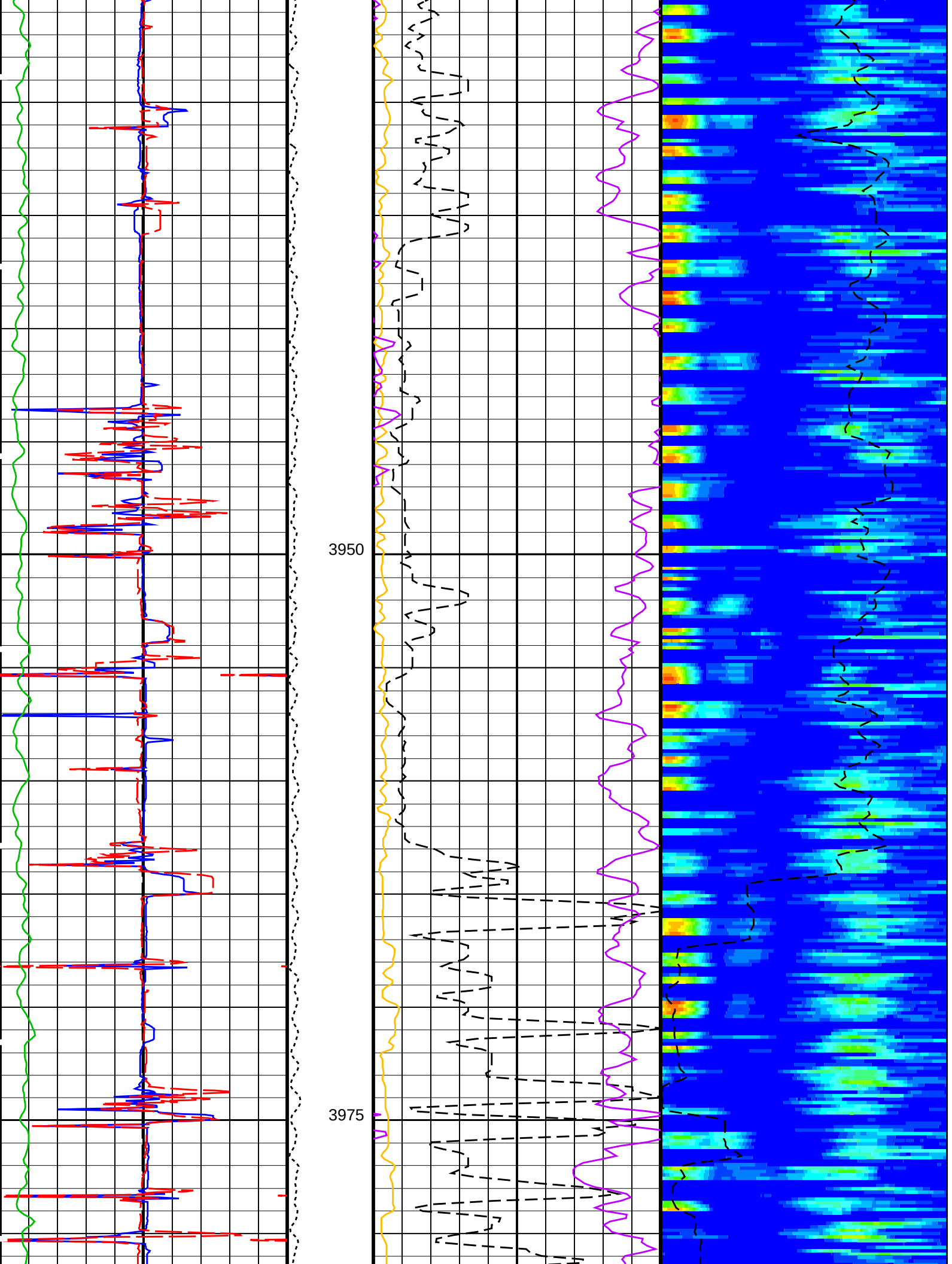
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	SKK−5169−EDTCB

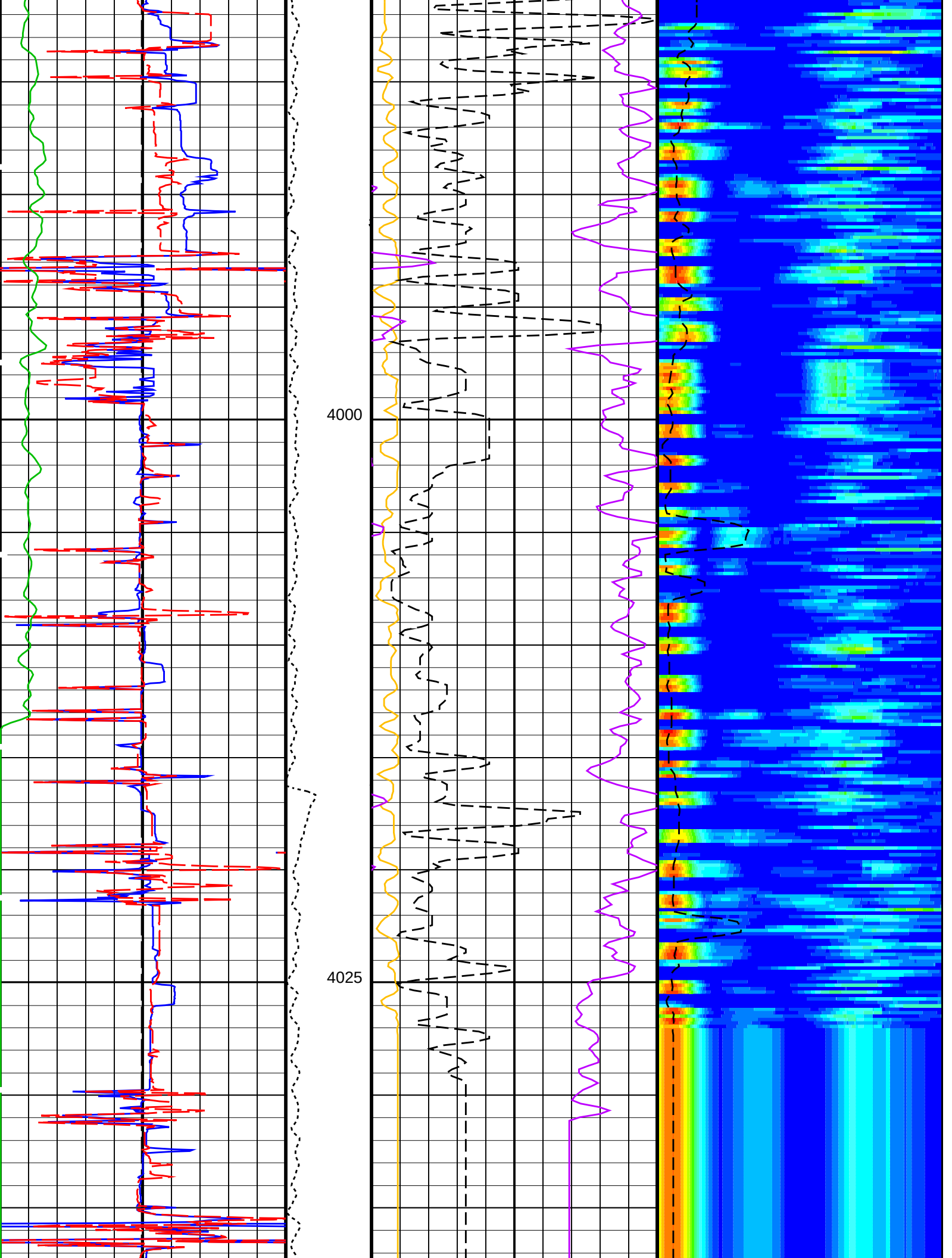
PIP SUMMARY

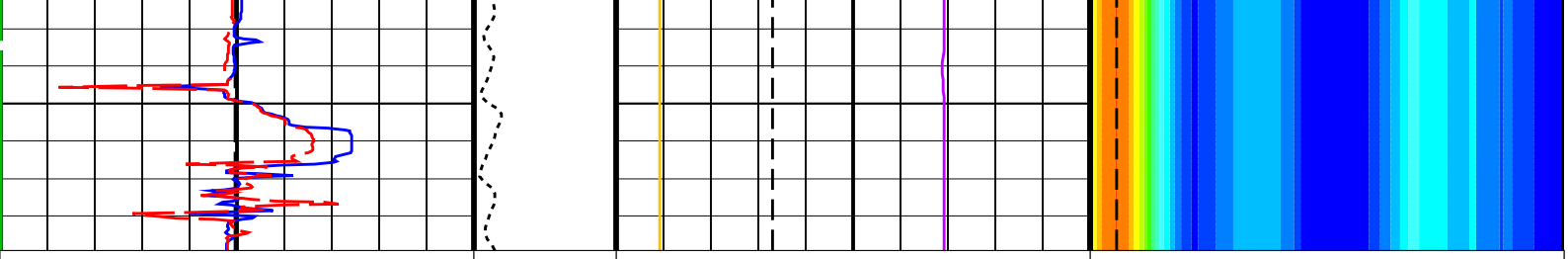
Time Mark Every 60 S




3875
3900
3925


3950
3975


4000
4025



Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Lower Dipole (CHR1)	Delta−T Shear / RA − Lower Dipole (DT1R)
0 (IN) 20	0 (LBF) 5000	0 (−−−−) 10	75 (US/F) 1200

Caliper 2 (C2)		SAM1 Waveform Gain (WFG1)	Min Amplitude Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
0 (IN) 20		0 (−−−−) 1000	75 (US/F) 1200

Caliper 1 (C1)		Sonic Velocity (SVEL)	
0 (IN) 20		1000 (M/S) 6000	

Gamma Ray (GR_EDTC)			
0 (GAPI) 150			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source − Dipole Shear	USE	
DSHL	Label Slowness Lower Limit − Dipole Shear	50	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1000	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 − Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status − Lower Dipole	255	
SBO1	STC Search Band Offset − Lower Dipole	3000	US
SBW1	STC Search Bandwidth − Lower Dipole	8000	US
SFC1	STC Formation Character − Lower Dipole	SELECTABLE	
SFM1	STC Filter − Lower Dipole	B.3−1.5K	
SLL1	STC Slowness Lower Limit − Lower Dipole	40	US/F
SST1	STC Slowness Step − Lower Dipole	4	US/F
SSW1	STC Source Waveform − Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit − Lower Dipole	1400	US/F
SWD1	STC Slowness Width − Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill − Lower Dipole	0	US
TLL1	STC Time Lower Limit − Lower Dipole	600	US
TST1	STC Time Step − Lower Dipole	200	US
TUL1	STC Time Upper Limit − Lower Dipole	20440	US
TWD1	STC Time Width − Lower Dipole	2000	US
TWI1	STC Integration Time Window − Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

OP System Version: 19C0−187

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_021LUP	FN:19	PRODUCER	28−Jul−2022 10:29		

Company: International Ocean Discovery Program — Well: Expedition 393, Site U1560B

Output DLIS Files

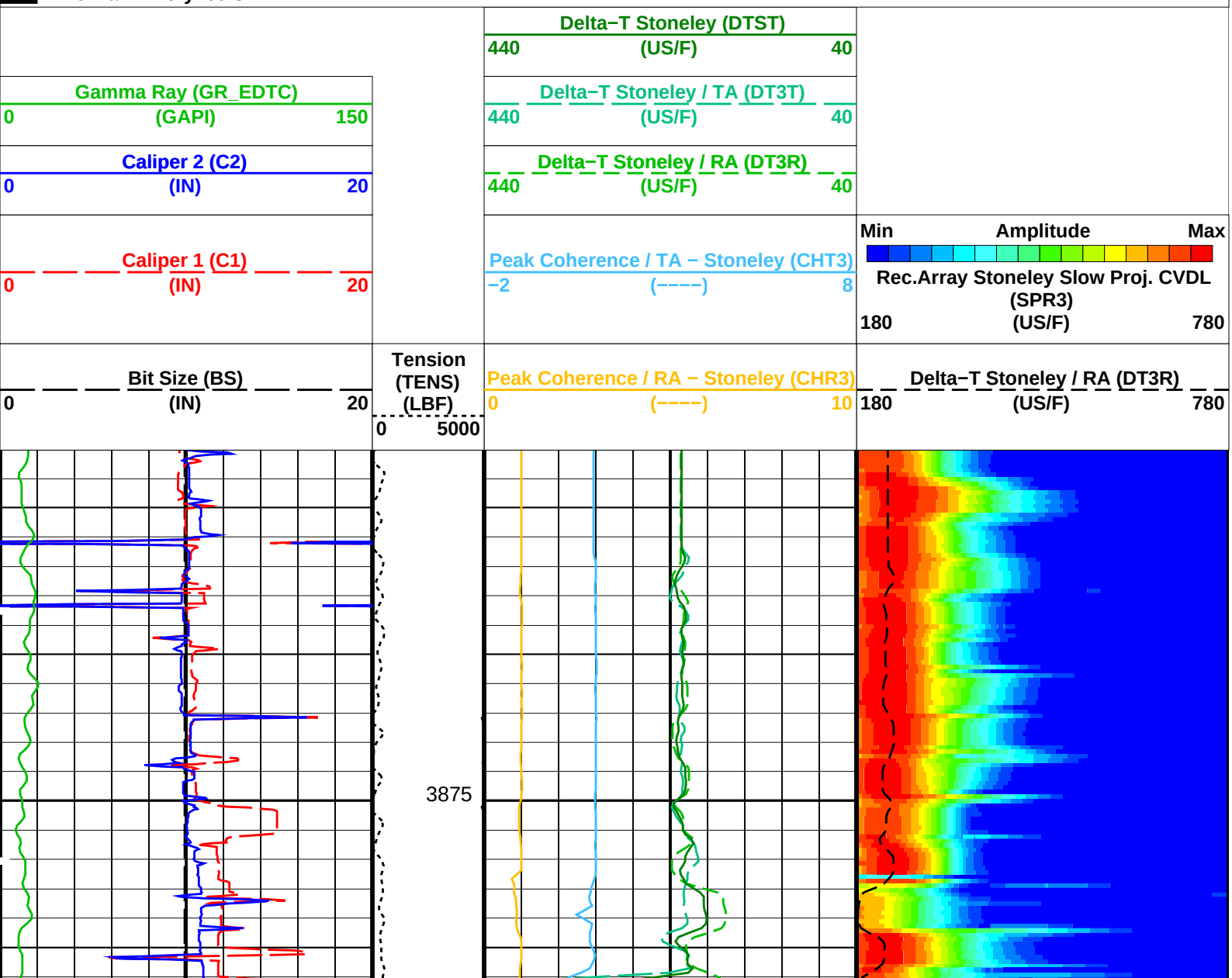
DEFAULT	FMS_DSI_NGS_021LUP	FN:19	PRODUCER	28−Jul−2022 10:29	4043.9 M	3863.3 M

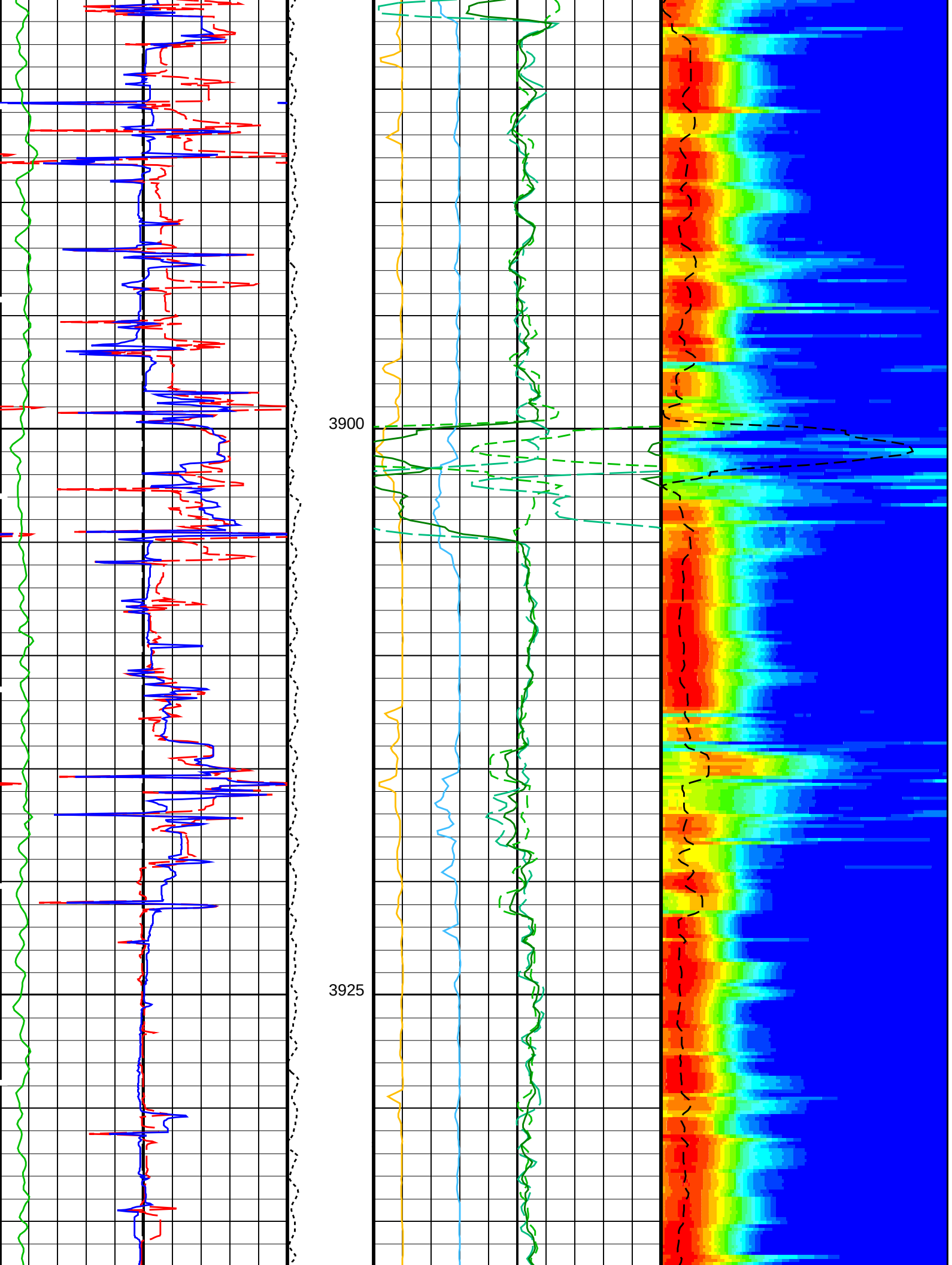
OP System Version: 19C0−187

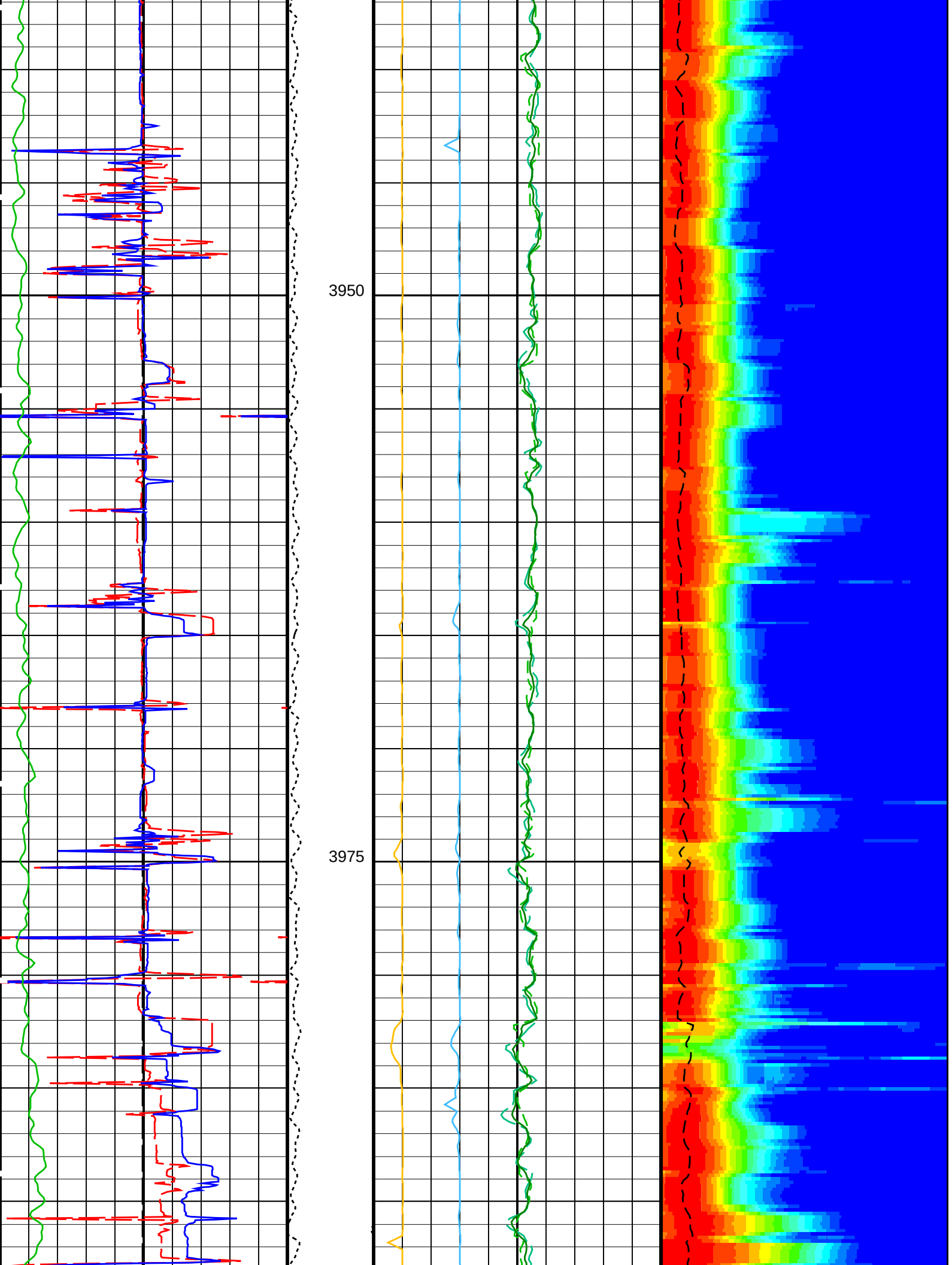
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	SKK−5169−EDTCB

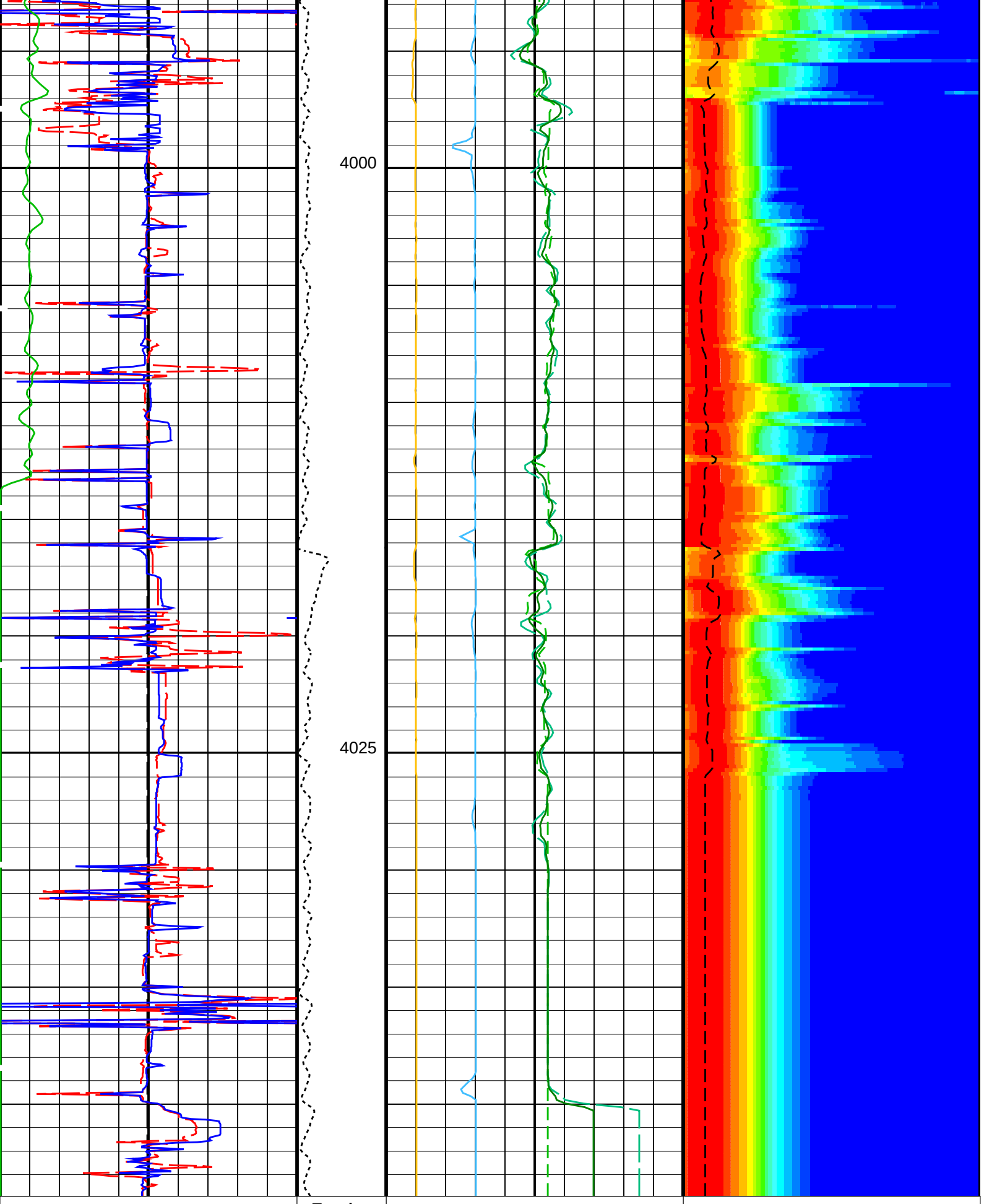
PIP SUMMARY

Time Mark Every 60 S




3900
3925


3950
3975



Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Stoneley (CHR3)	Delta−T Stoneley / RA (DT3R)
0 (IN) 20	0 (LBF) 5000	0 (−−−−) 10	180 (US/F) 780

Min Amplitude Max

Caliper 1 (C1)
0 (IN) 20

Caliper 2 (C2)
0 (IN) 20

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Peak Coherence / TA − Stoneley (CHT3)
−2 (−−−−) 8

Delta−T Stoneley / RA (DT3R)
440 (US/F) 40

Delta−T Stoneley / TA (DT3T)
440 (US/F) 40

Delta−T Stoneley (DTST)
440 (US/F) 40

Rec.Array Stoneley Slow Proj. CVDL (SPR3)
180 (US/F) 780

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
DDE3	Digitizing Delay 3	0	US
DDEX	Digitizing Delay X	0	US
DSI3	Digitizer Sample Interval 3	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC3	Digitizer Word Count 3	512	
DWCX	Digitizer Word Count X	512	
MTXG	Monopole Transmitter Geometry	186	IN
NWI3	Number Waveform Items 3	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
SAM3	DSST Sonic Acquisition Mode 3 − Monopole Mode for Stoneley	EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS3	STC Sonic Array Status − Monopole Stoneley	255	
SBO3	STC Search Band Offset − Monopole Stoneley	2000	US
SBW3	STC Search Bandwidth − Monopole Stoneley	6000	US
SFC3	STC Formation Character − Monopole Stoneley	SELECTABLE	
SFM3	STC Filter − Monopole Stoneley	B.5−1.5K	
SLL3	STC Slowness Lower Limit − Monopole Stoneley	180	US/F
SST3	STC Slowness Step − Monopole Stoneley	4	US/F
SSW3	STC Source Waveform − Monopole Stoneley	WF_SAM3	
STLL	Label Slowness Lower Limit − Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit − Monopole Stoneley	780	US/F
SWD3	STC Slowness Width − Monopole Stoneley	40	US/F
TBF3	STC Time for Baseline Fill − Monopole Stoneley	0	US
TLL3	STC Time Lower Limit − Monopole Stoneley	620	US
TST3	STC Time Step − Monopole Stoneley	200	US
TUL3	STC Time Upper Limit − Monopole Stoneley	12020	US
TWD3	STC Time Width − Monopole Stoneley	2000	US
TWI3	STC Integration Time Window − Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 10:29

OP System Version: 19C0−187

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

Output DLIS Files

DEFAULT FMS_DSI_NGS_021LUP FN:19 PRODUCER 28−Jul−2022 10:29

Company: International Ocean Discovery Program | Well: Expedition 393, Site U1560B

Output DLIS Files

DEFAULT	FMS_DSI_NGS_021LUP	FN:19	PRODUCER	28−Jul−2022 10:29	4043.9 M	3863.3 M

OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

Relative Bearing (RB_MEST)
−40 (DEG) 360

Pad One Azimuth (P1AZ_MEST)
−40 (DEG) 360

Hole Azimuth (HAZIM)
−40 (DEG) 360

Gamma Ray (GR_EDTC)
0 (GAPI) 150

Deviation (DEVIM)
0 (DEG) 10

Caliper 2 (C2)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

EMEX Intensity (EI)
0 (AMPS) 10

Tension (TENS)
(LBF)
0 5000

Bit Size (BS)
0 (IN) 20

EMEX Voltage (EV)
0 (V) 50

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

Data Button 5 − Varies with RBS (U−MEST_RB5)
−50 (−−−−) 50

Data Button 4 − Varies with RBS (U−MEST_RB4)
−40 (−−−−) 60

Data Button 3 − Varies with RBS (U−MEST_RB3)
−30 (−−−−) 70

Data Button 2 − Varies with RBS (U−MEST_RB2)
−20 (−−−−) 80

Data Button 1 − Varies with RBS (U−MEST_RB1)
−10 (−−−−) 90

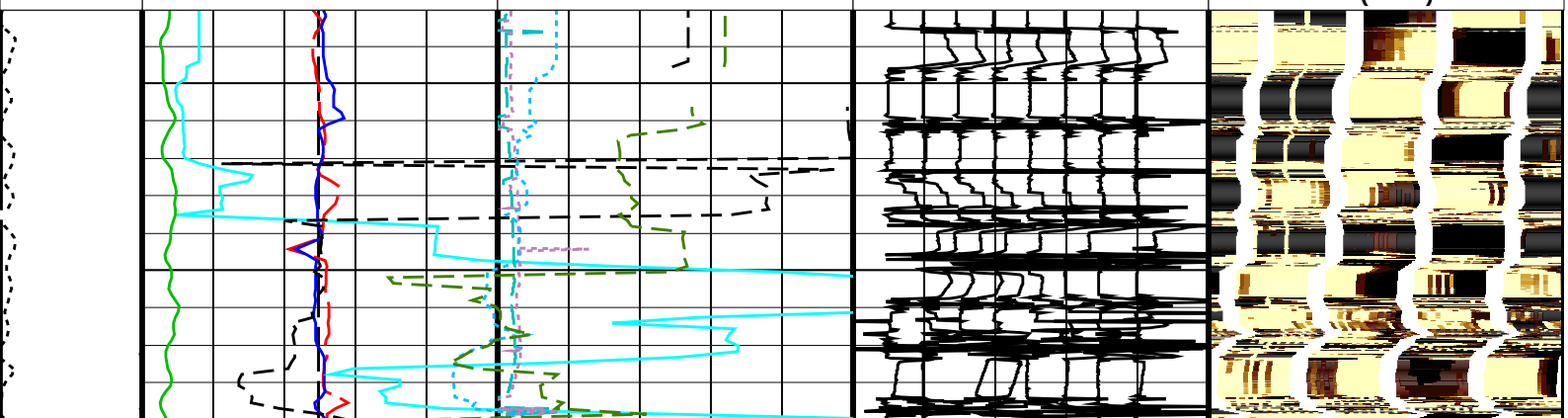
0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951

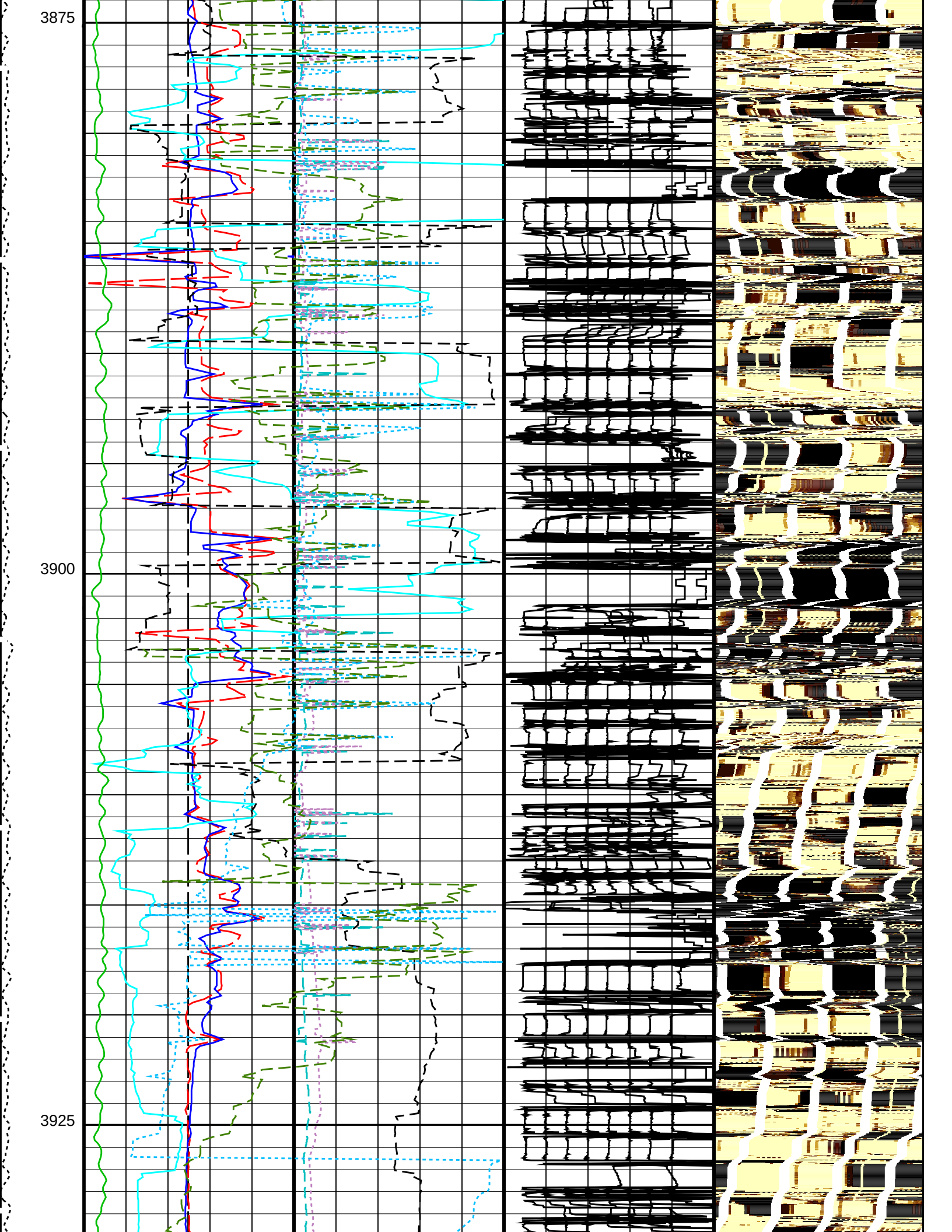
MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)

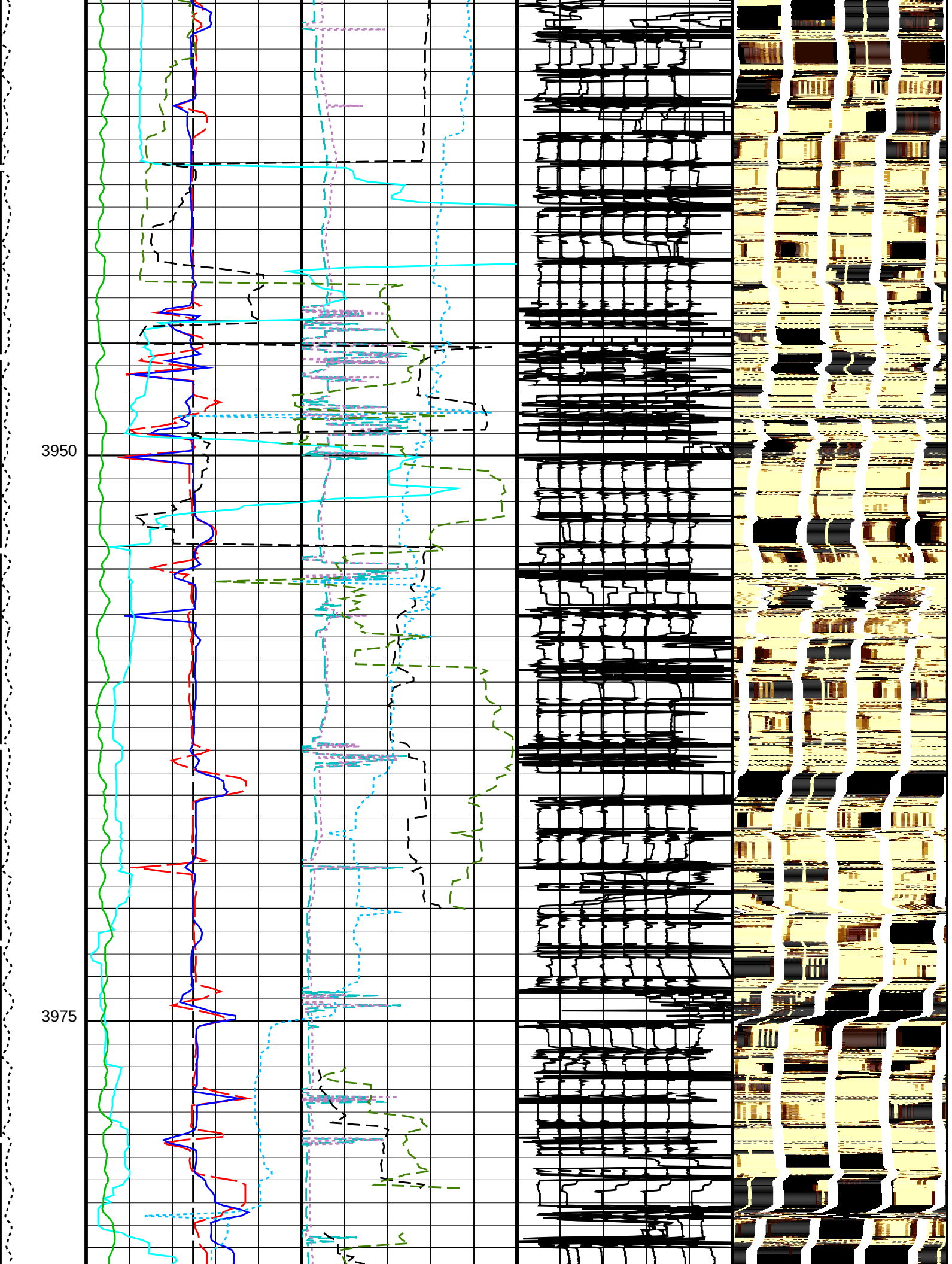
MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)

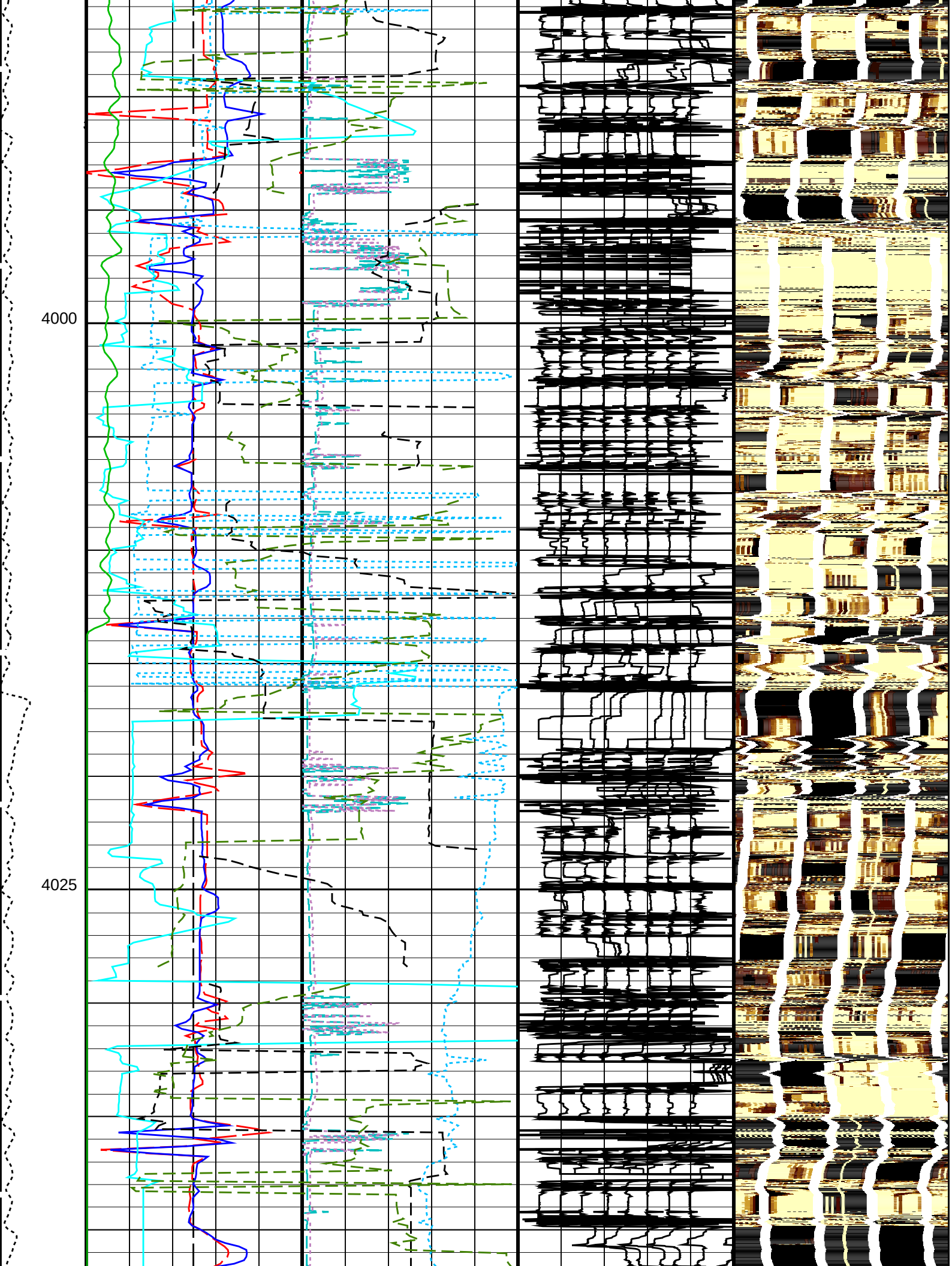
MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)

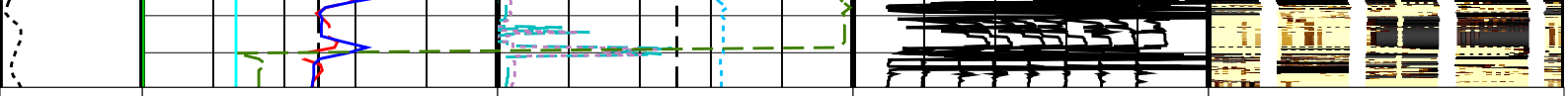
MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)




3875
3900
3925


3950
3975


4000
4025



Tension (TENS) (LBF) 0 5000	Bit Size (BS) 0 (IN) 20	EMEX Voltage (EV) 0 (V) 50	Data Button 1 − Varies with RBS (U−MEST_RB1) −10 (−−−−) 90	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)
	Caliper 1 (C1) 0 (IN) 20	EMEX Intensity (EI) 0 (AMPS) 10	Data Button 2 − Varies with RBS (U−MEST_RB2) −20 (−−−−) 80	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)
	Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)
	Deviation (DEVIM) 0 (DEG) 10		Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60	0.4397 0.4397 0.4397 0.4397 0.4397 0.4397 0.7090 0.7090 0.7090 0.9783 0.9783 1.2476 1.5169 1.7862 2.8634 6.0951 MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)
	Gamma Ray (GR_EDTC) 0 (GAPI) 150		Data Button 5 − Varies with RBS (U−MEST_RB5) −50 (−−−−) 50	
	Hole Azimuth (HAZIM) −40 (DEG) 360		Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (−−−−) 40	
	Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360		Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (−−−−) 30	
	Relative Bearing (RB_MEST) −40 (DEG) 360		Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (−−−−) 20	

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	−24.0374	DEG
MLM	MEST Logging Mode	SCAN1800	
RBS	Resistivity Button Selection	AUTO	
XGAI	Gain	GAIN_3	
XOFF	Offset	OFFSET_0	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:200 Graphics File Created: 28−Jul−2022 10:29

OP System Version: 19C0−187

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

Output DLIS Files

Schlumberger

Second Up Pass

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner − B (Slim) Wellsite Calibration − Caliper Calibration							
Before: 21−Jul−2022 19:43							
Caliper 1 Zero Measurement	12.00	N/A	12.84	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.65	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.20	N/A	15.66	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.20	N/A	15.49	N/A	N/A	N/A	IN
Micro Electrical Scanner − B (Slim) Wellsite Calibration − CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 28−Jul−2022 6:56							
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: 28−Jul−2022 6:56							
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: Calibration out of date 2−May−2021 11:41 Before: 28−Jul−2022 7:02							
Na 511 Peak Loc	40.00	38.51	39.73	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.08	15.84	N/A	N/A	2.000	%
High Voltage	1150	1210	1200	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	140.8	141.8	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.038	8.463	N/A	N/A	2.000	%
Temperature	15.50	27.21	21.51	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	10.57	6.918	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration − Detector 2 Check							
Master: Calibration out of date 2−May−2021 11:41 Before: 28−Jul−2022 7:02							
Na 511 Peak Loc	40.00	39.36	40.45	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.98	15.41	N/A	N/A	2.000	%
High Voltage	1150	1089	1085	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	142.8	147.2	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.374	9.171	N/A	N/A	2.000	%
Temperature	15.50	26.50	21.47	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	10.57	6.951	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration − Ratio Of Detector 1 To Detector 2							
Master: Calibration out of date 2−May−2021 11:41 Before: 28−Jul−2022 7:02							
Coincidence Count Rate Ratio	1.000	0.9991	0.9924	N/A	N/A	0.05000	
Enhanced DTS Cartridge Wellsite Calibration − EDTC Accelerometer Calibration							
Before: Calibration out of date 5−May−2022 8:27							
EDTC Z−Axis Acceleration	9.810	N/A	9.778	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration − Detector Calibration							
Before: Calibration out of date 4−May−2022 20:10							
Gamma Ray (Jig − Bkg)	114.4	N/A	114.4	N/A	N/A	10.40	GAPI
Gamma Ray (Calibrated)	165.0	N/A	166.3	N/A	N/A	15.00	GAPI

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	300
Auxiliary Equipment:		
HNGC Housing	HNGH − A	115

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:		
HNGS Sonde	HNGS − BA	177
Auxiliary Equipment:		
HNGS Sonde Housing	HNSH − BA	174
Gamma Source Radioactive	GSR − U	6098

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value
Master	MASTER−BEFORE LIMIT	38.51
Before		39.73
37.50 (Minimum)	40.00 (Nominal)	43.50 (Maximum)

Phase	Na 511 Peak Res %	Value
Master		16.08
Before		15.84
12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)

Phase	High Voltage V	Value
Master		1210
Before		1200
900.0 (Minimum)	1150 (Nominal)	1600 (Maximum)

Phase	Na 1785 Peak Loc	Value
Master		140.8
Before		141.8
135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)

Phase	Na 1785 Peak Res %	Value
Master		9.038
Before		8.463
7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)

Phase	Temperature DEGC	Value
Master		27.21
Before		21.51
−28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)

Phase	Na Count Rate CPS	Value
Master		10.57
Before	EXCEEDS LIMIT	6.918
10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)

Master: Calibration out of date 2−May−2021 11:41 Before: 28−Jul−2022 7:02

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 2 Check

Phase	Na 511 Peak Loc	Value
Master	MASTER−BEFORE LIMIT	39.36
Before		40.45
37.50 (Minimum)	40.00 (Nominal)	43.50 (Maximum)

Phase	Na 511 Peak Res %	Value
Master		16.98
Before		15.41
12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)

Phase	High Voltage V	Value
Master		1089
Before		1085
900.0 (Minimum)	1150 (Nominal)	1600 (Maximum)

Phase	Na 1785 Peak Loc	Value
Master		142.8
Before		147.2
135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)

Phase	Na 1785 Peak Res %	Value
Master		9.374
Before		9.171
7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)

Phase	Temperature DEGC	Value
Master		26.50
Before		21.47
−28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)

Phase	Na Count Rate CPS	Value
Master		10.57
Before	EXCEEDS LIMIT	6.951
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)	

Master: Calibration out of date 2−May−2021 11:41 Before: 28−Jul−2022 7:02

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value
Master		0.9991
Before		0.9924
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	

Master: Calibration out of date 2−May−2021 11:41

Before: 28−Jul−2022 7:02

Enhanced DTS Cartridge / Equipment Identification

Primary Equipment:		
EDTC Gamma Ray Detector	EDTG − A/B	77693
Enhanced DTS Cartridge	EDTC − B	8529
Auxiliary Equipment:		
EDTC Housing	EDTH − B	8528

Enhanced DTS Cartridge Wellsite Calibration

EDTC Accelerometer Calibration

Phase	EDTC Z−Axis Acceleration M/S2	Value
Before		9.778
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	

Before: Calibration out of date 5−May−2022 8:27

Enhanced DTS Cartridge Wellsite Calibration

Detector Calibration

Phase	Gamma Ray Background GAPI	Value
Before		0.8095
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)	

Phase	Gamma Ray (Jig − Bkg) GAPI	Value
Before		114.4
	104.0 (Minimum) 114.4 (Nominal) 124.8 (Maximum)	

Phase	Gamma Ray (Calibrated) GAPI	Value
Before		166.3
	150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)	

Before: Calibration out of date 4−May−2022 20:10

Company: **International Ocean Discovery Program**

Schlumberger

Well: **Expedition 393, Site U1560B**
Field: **South Atlantic Transect II**
Rig: **JOIDES Resolution**
Country: **South Africa**

FMS
DSST
Natural Gamma