Schlumberger

Company: **International Ocean Discovery Program**

Well: **Expedition 403, Site U1618B**
Field: **Eastern Fram Strait Paleo Archive**
Rig: **JOIDES Resolution** Country: **Netherlands**

Company: International Ocean Discovery Pr
Well: Expedition 403, Site U1618B
Location: Latitude: N 78* 56.9070'
Field: Eastern Fram Strait Paleo Archiv
Rig: JOIDES Resolution

Formation Microscanner (FMS)
Dipole Shear Sonic (DSI)

LOCATION

Latitude: N 78* 56.9070'
Longitude: E 7* 28.3866'

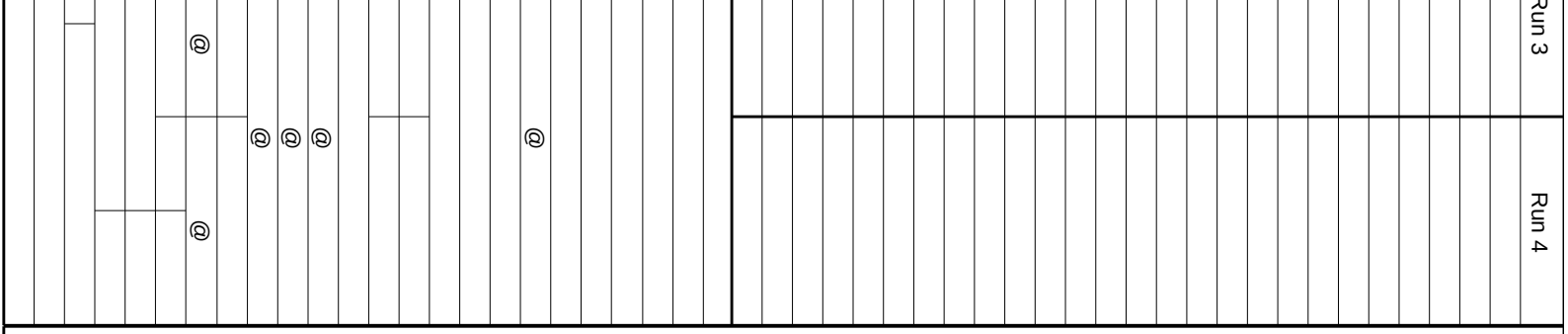
Elev.: K.B. 0.00 m
G.L. 1206.70 m
D.F. 0.00 m

Permanent Datum: Sea Floor — Elev.: −1206.70 m
Log Measured From: Rig Floor — 1206.70 m above Perm. Datum
Drilling Measured From: Rig Floor

Ocean: Atlantic	Max. Well Deviation 5 deg	Longitude E 7.47311*	Latitude N 78.94845

	Run 1	Run 2	Run 3
Logging Date	19−Jun−2024		
Run Number	2		
Depth Driller	1620.6 m		
Schlumberger Depth	1580 m		
Bottom Log Interval	1580 m		
Top Log Interval	1206.7 m		
Casing Driller Size @ Depth	10.750 in @ 1286.3 m	@	@
Casing Schlumberger	1285 m		
Bit Size	9.875 in		
Type Fluid In Hole	Sea Water		
MUD Density / Viscosity	1.023 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	0.369 @ 5 / @ 5	@ / @	@ / @
Maximum Recorded Temperatures	5 degC		
Circulation Stopped Time	19−Jun−2024 0:00		
Logger On Bottom Time	19−Jun−2024 18:00		
Unit Number / Location	627314 Larose, LA	/	/
Recorded By	C. Furman		
Witnessed By	K. Grigar		

	Run 1	Run 2	Run 3
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			



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OTHER SERVICES1

OS1: HRLA / HLDS

OS2: MSS / APS

OS3: HNGS

REMARKS: RUN NUMBER 1

Hole drilled with RCB bottom hole assembly (BHA) at 9.875" BS

Drill pipe set at 1286.4 mbsf (79.6 mbsf)

No Casing present.

Fluid type was seawater, as drilled.

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 closed for down log, as it cannot be used in that direction, so Density measurement are NOT valid.

Active heave compensator used below 1330m.

Caliper Open from TD to just below pipe on upward logs.

Maximum depth reached was 1580mbrf, roughly 40m above driller's TD; logs recorded from there

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:		19C0−187	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1	RUN 2
SURFACE EQUIPMENT	
GSR−U 135 WITM (EDTS)−A	
DOWNHOLE EQUIPMENT	
LEH−PT 36.30 LEH−PT 1060	
AH−233 35.36	
AH−369 34.99	
MDSB_EDTC Mud Tempe 34.55 CTEM 33.49	

EDTC−B
EDTH−B 8528
EDTC−B 8529

Gamma Ray
EFTB DIAG
TelStatus
EDTCB Ele

32.92
34.55
32.57

HNGS−BA
HNGS−BA 177
HNSH−BA 174

Upper_1
Lower_2

31.87
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 8128
ECH−SD 8127
SMDR−BD 8227
SSIJ−BA 8204
SMDX−AA 8131

26.73

PWF

11.18

AH−MCD1
AH−MCD1 1

11.18

DTA−A
ECH−KE 8451

8.90

MEST−B
MEAH−B 726
MEAC−A 875
MEPH−A 701
GPIC−AC 840
MEPC−AB 806
MEDS−B 724

7.68

MEDR MEAC
MEPC MEDS−B
HV DF ACCZ
Tension GPIT

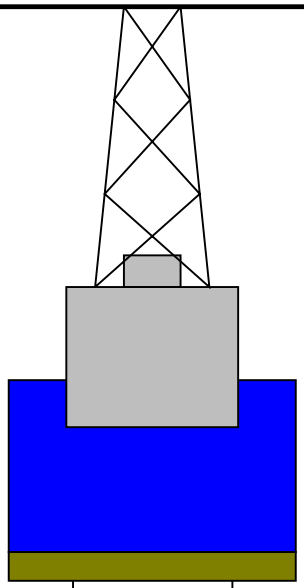
0.46
0.00

TOOL ZERO

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

Production String	(in) (m)	Well Schematic	(m) (in)	Casing String

	OD	ID	MD
Kelly Bushing Elevation			11.0
Derrick Floor Elevation			11.0
Mean Sea Level			0.0



MD	OD	ID	
0.0	5.500	4.000	
1206.7	9.875		Sea Floor
1286.3	5.500	4.000	Bit
1620.2	9.875		TD – Driller

Schlumberger

Downlog
1:200 Scale

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_039LUP		PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_040PUP	FN:47	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 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	19C0−187

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

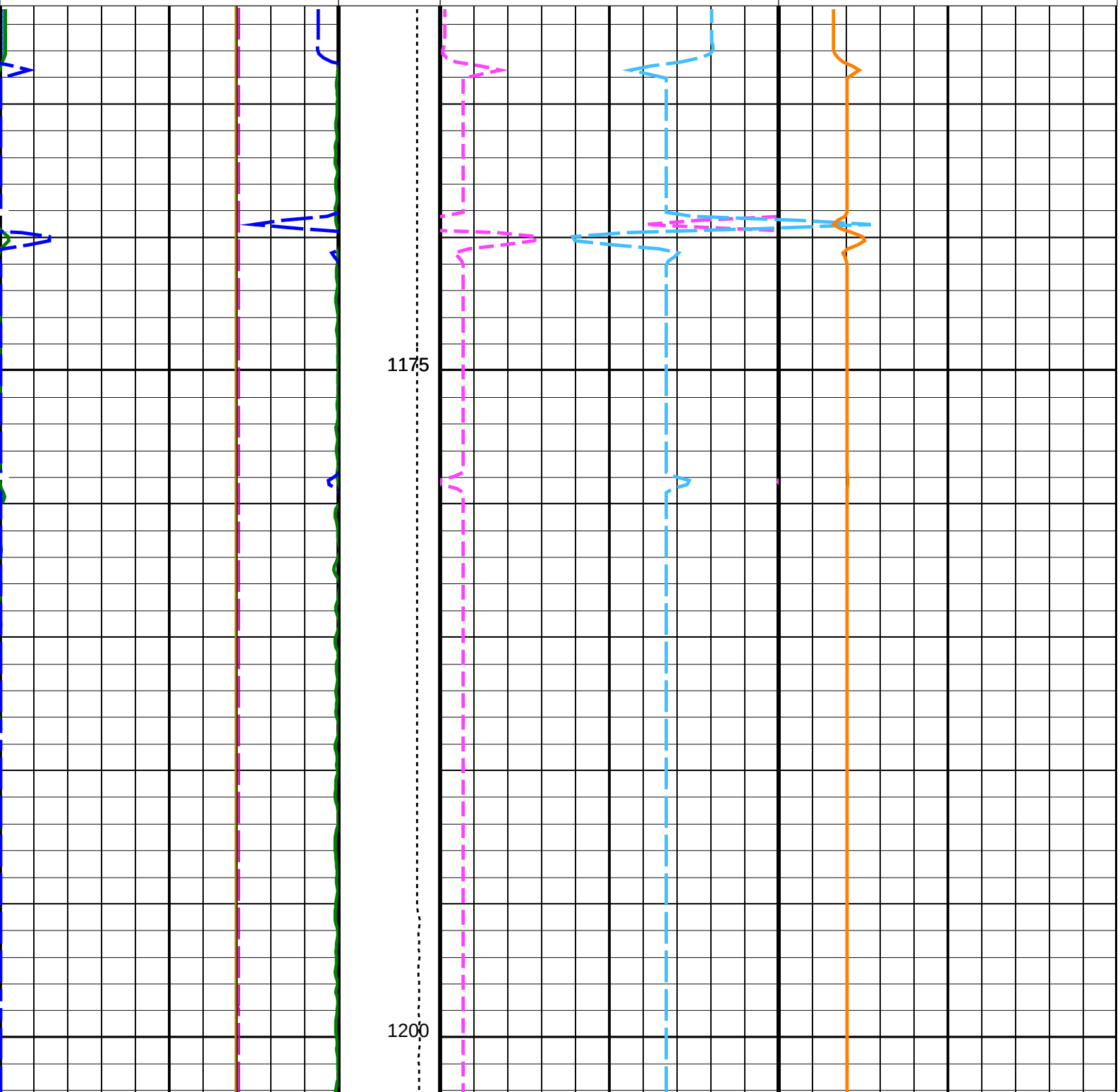
HNGS Uranium (HURA)
−5 (PPM) 10

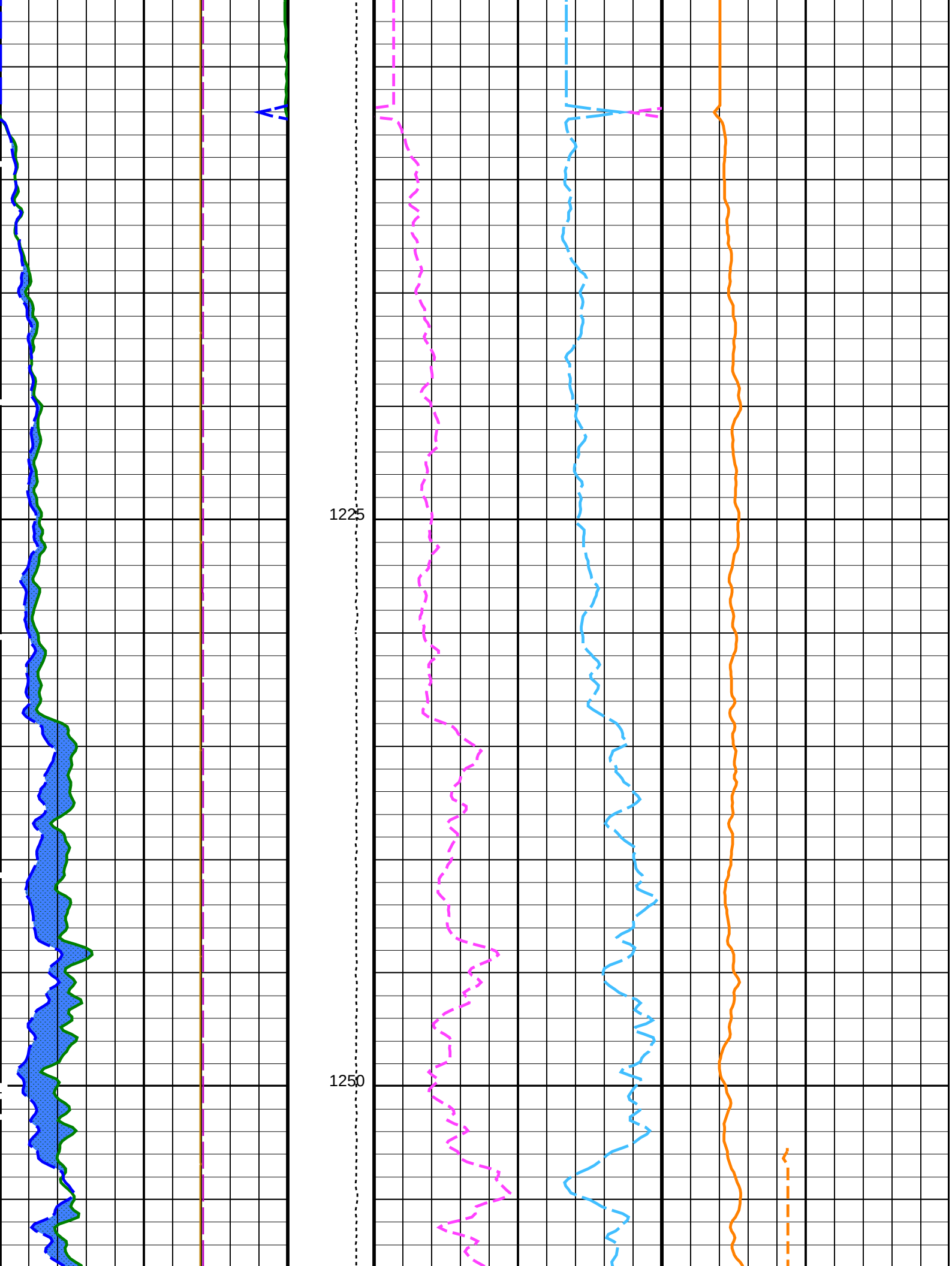
Caliper 1 (C1)
6 (IN) 16

Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

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

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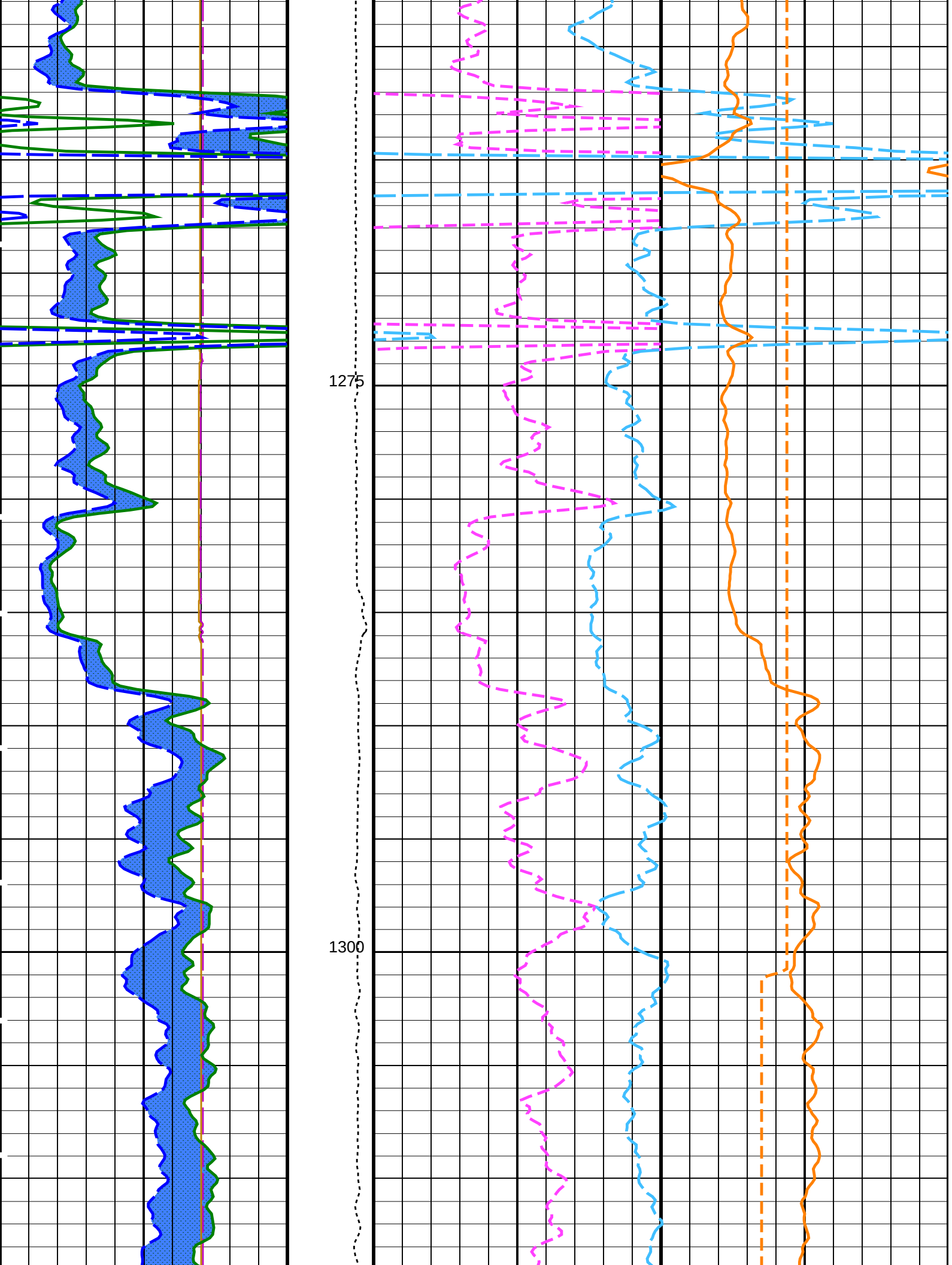
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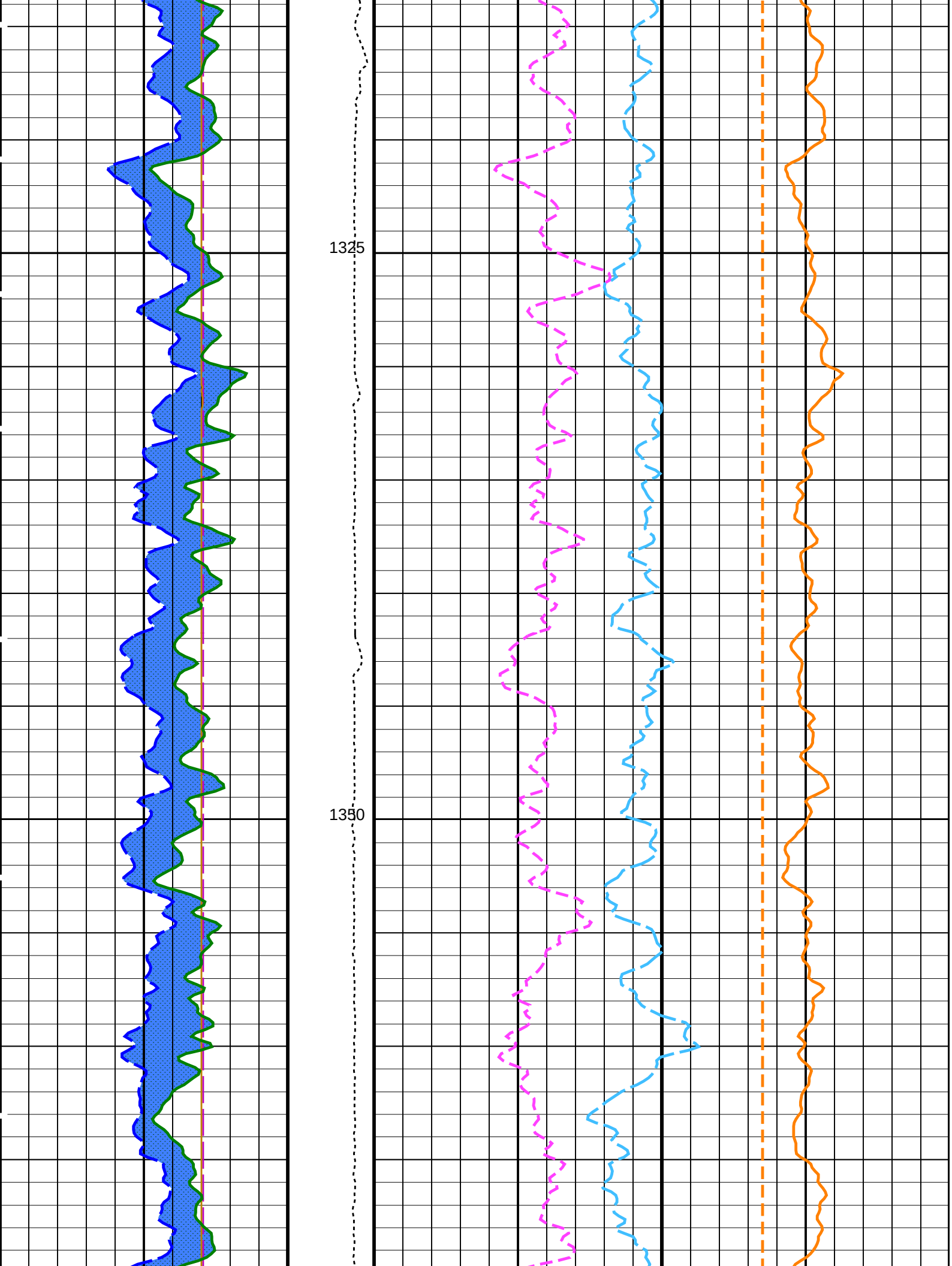
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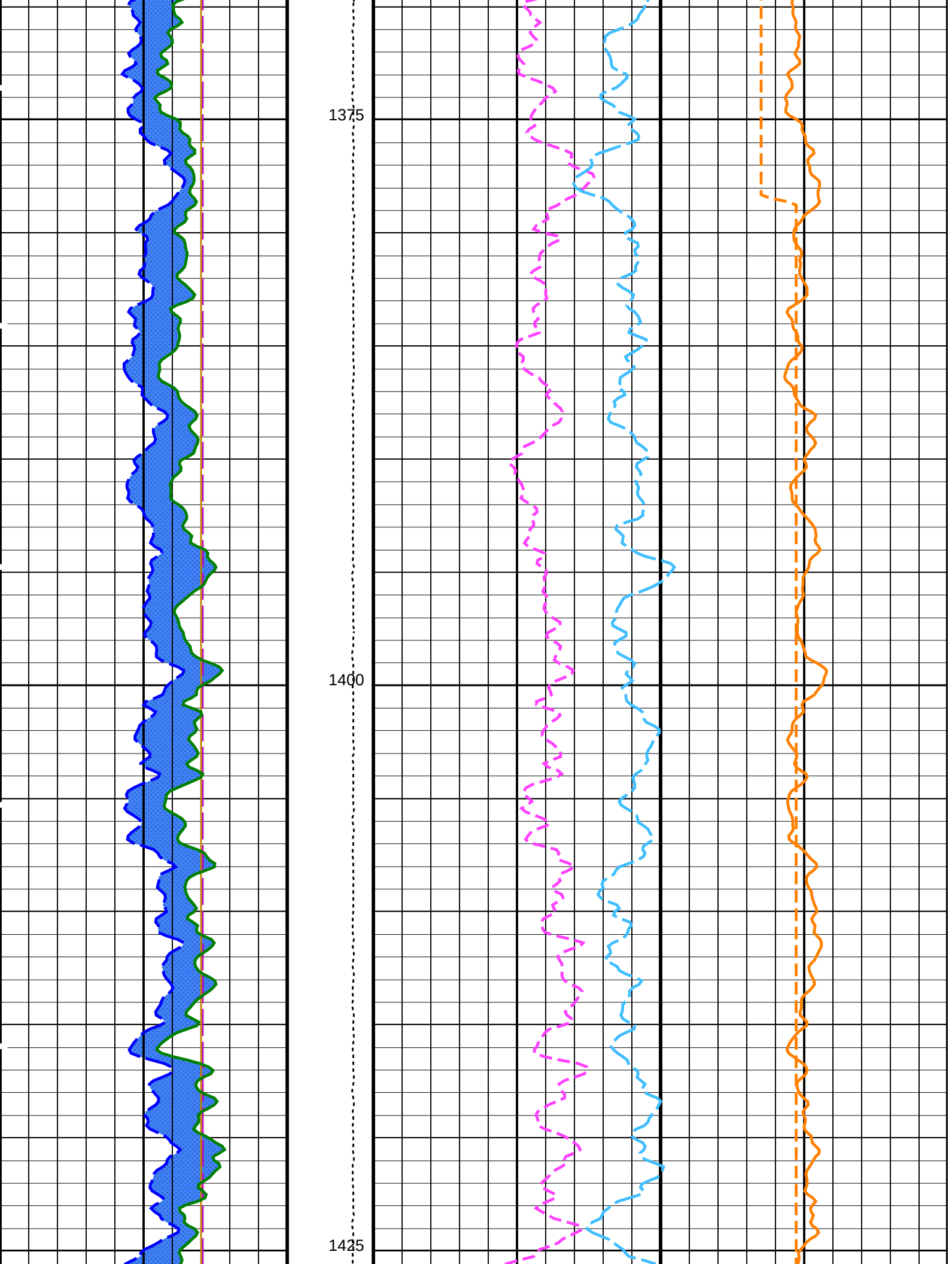
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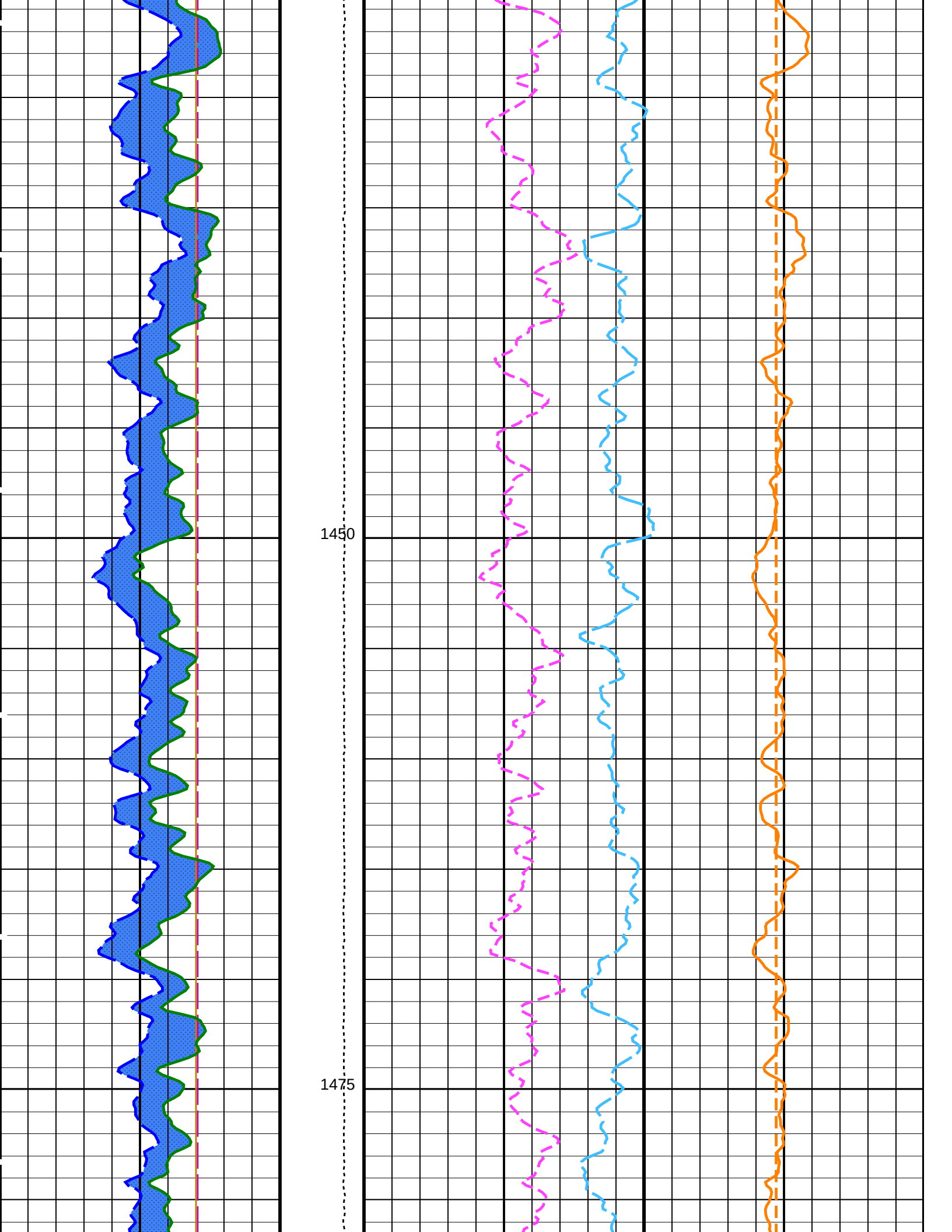
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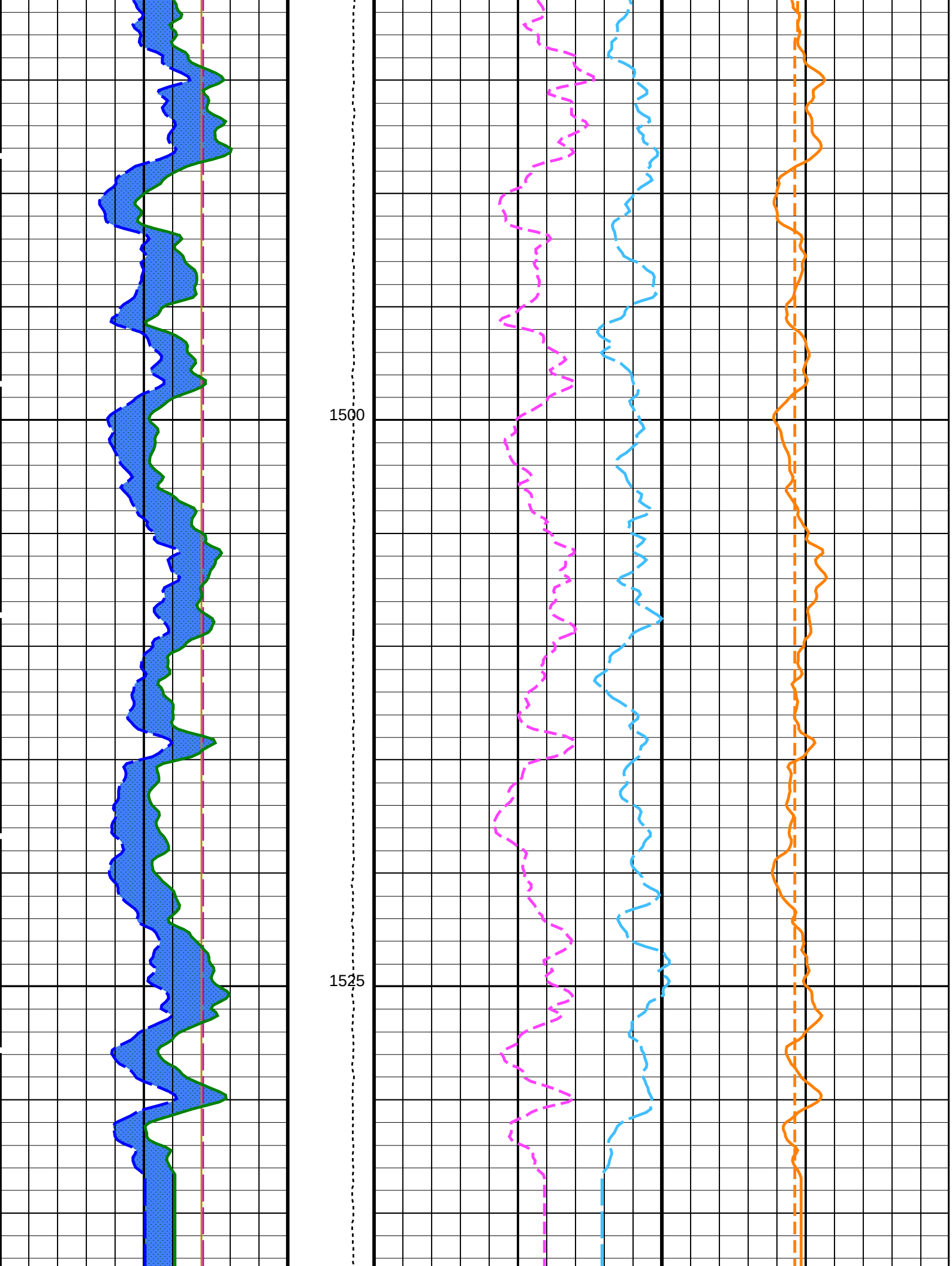
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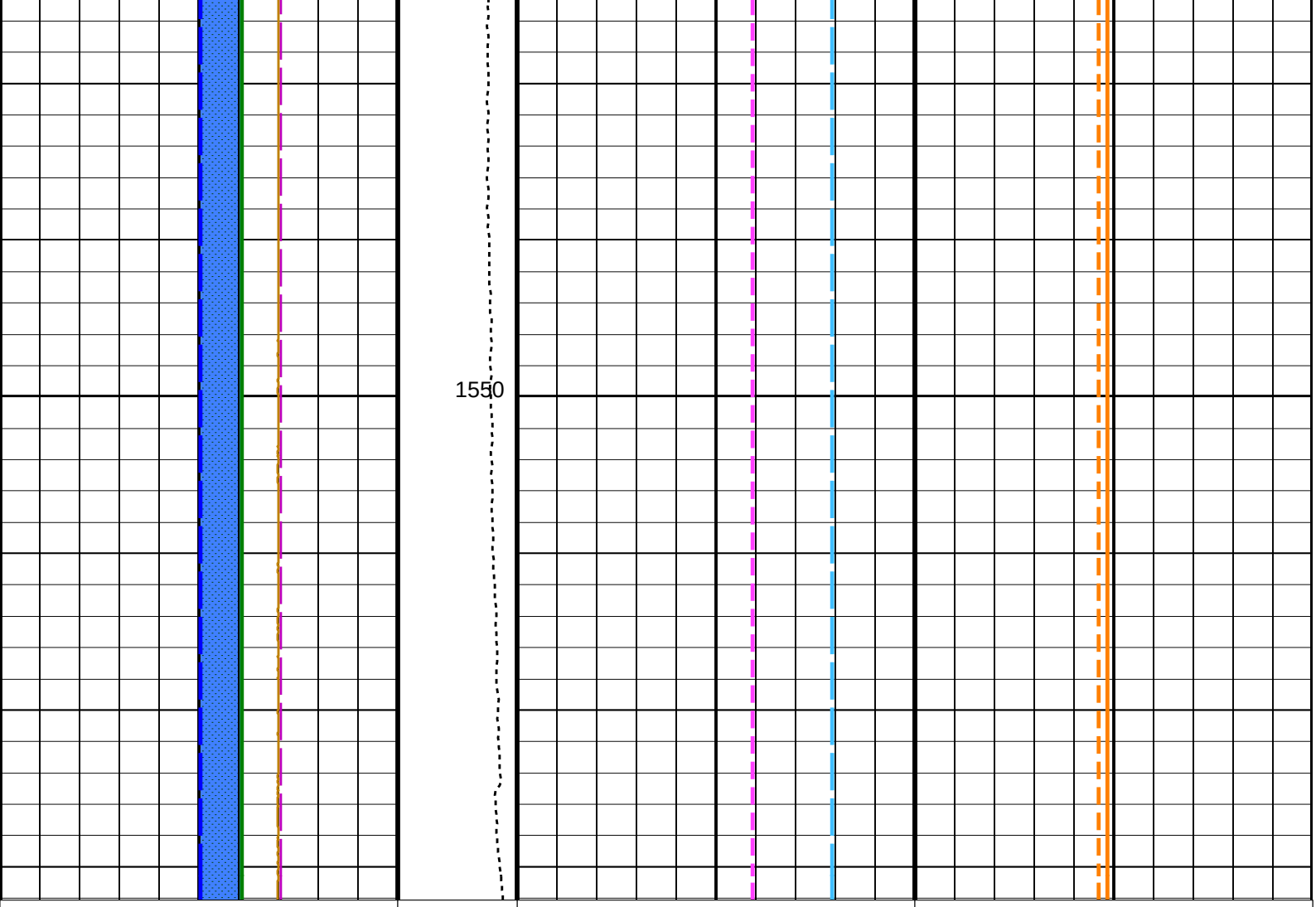


Caliper 1 (C1)
6 (IN) 16

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	−0.0199748	
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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.987689	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.986881	
EDTC−B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 20−Jun−2024 08:39

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	19C0−187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_039LUP	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_040PUP	FN:47	PRODUCER	20−Jun−2024 08:39		

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_039LUP	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_040PUP	FN:47	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

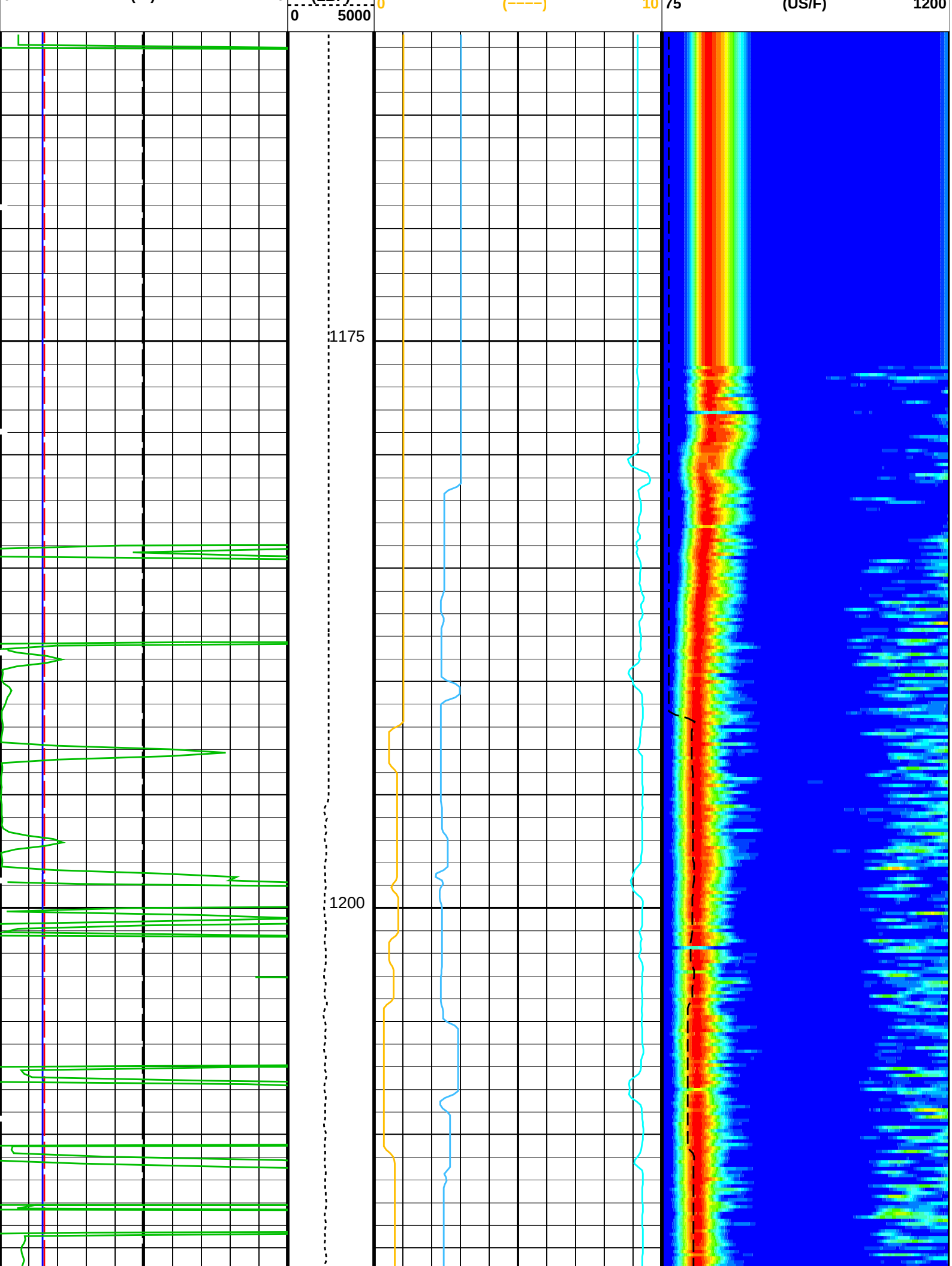
OP System Version: 19C0−187

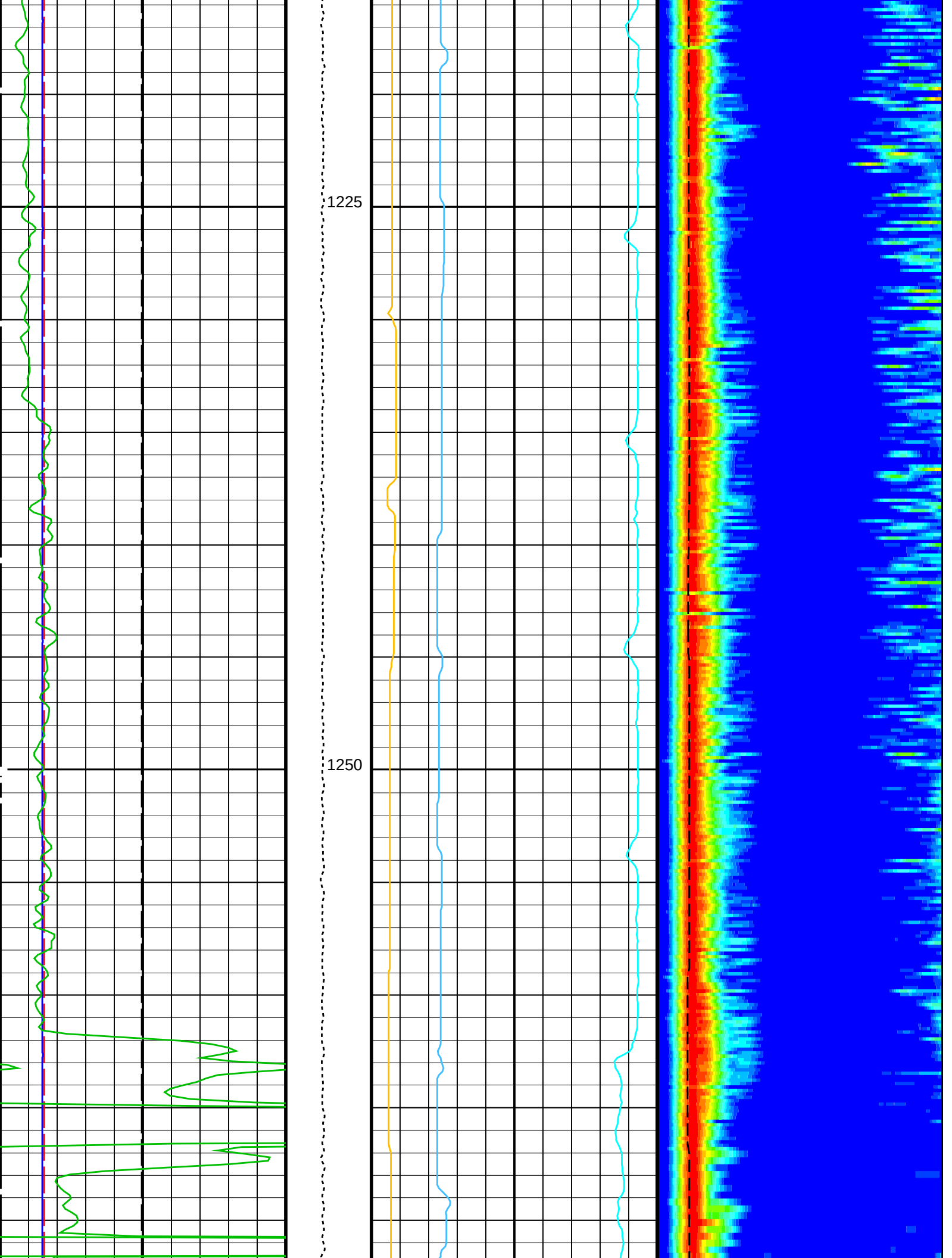
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	19C0−187

PIP SUMMARY

Time Mark Every 60 S

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


0
5000
0
10
75
(US/F)
1200
1175
1200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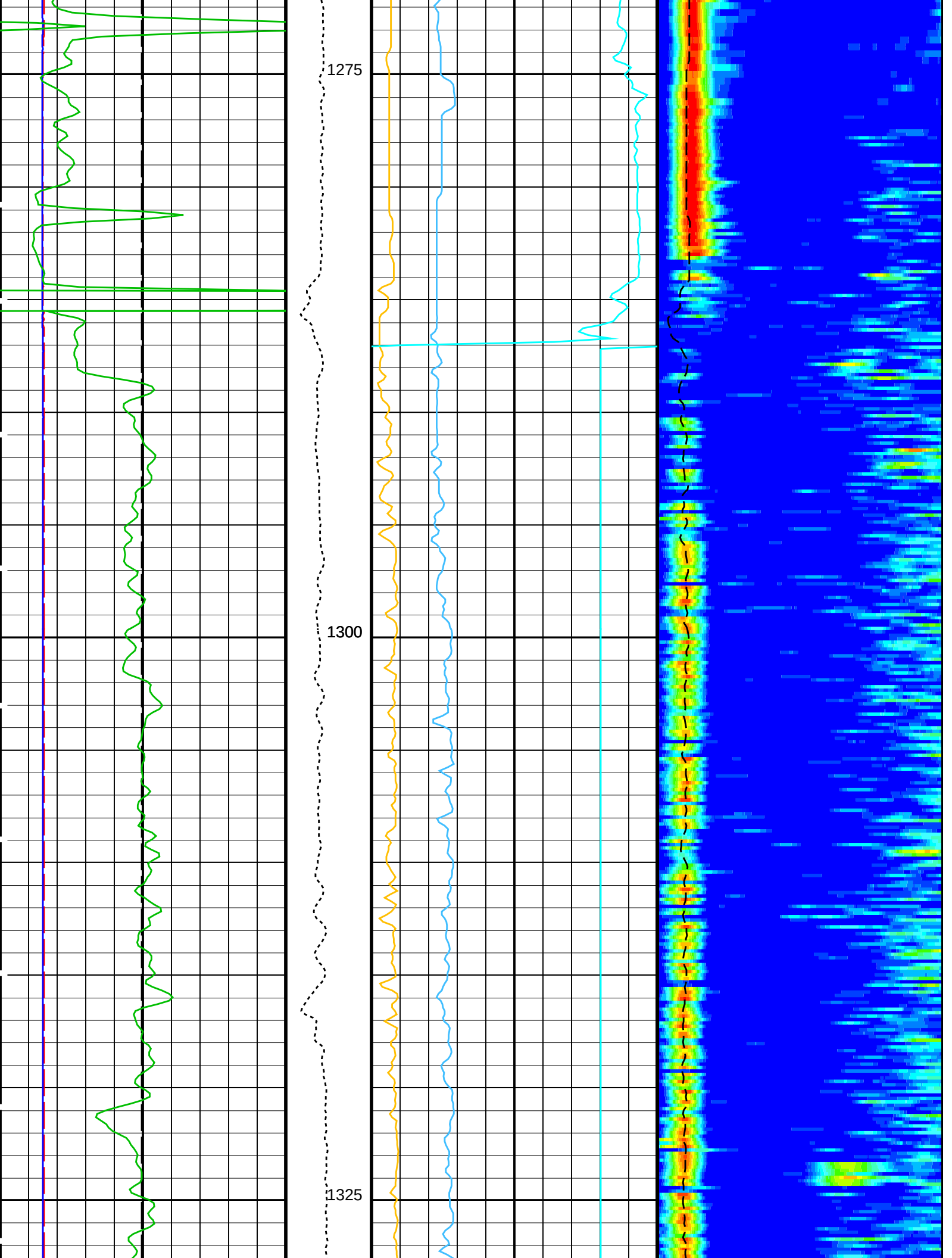
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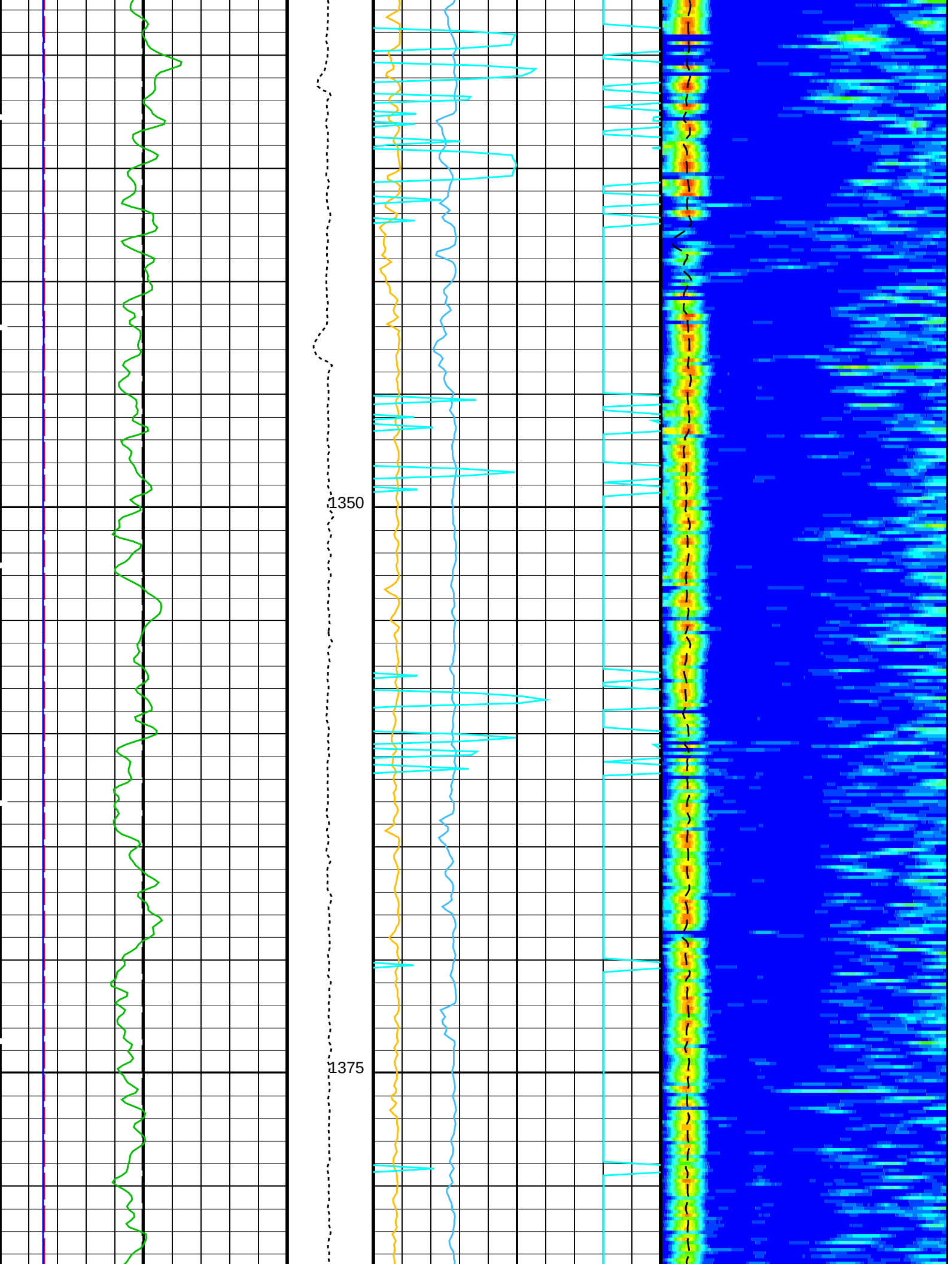
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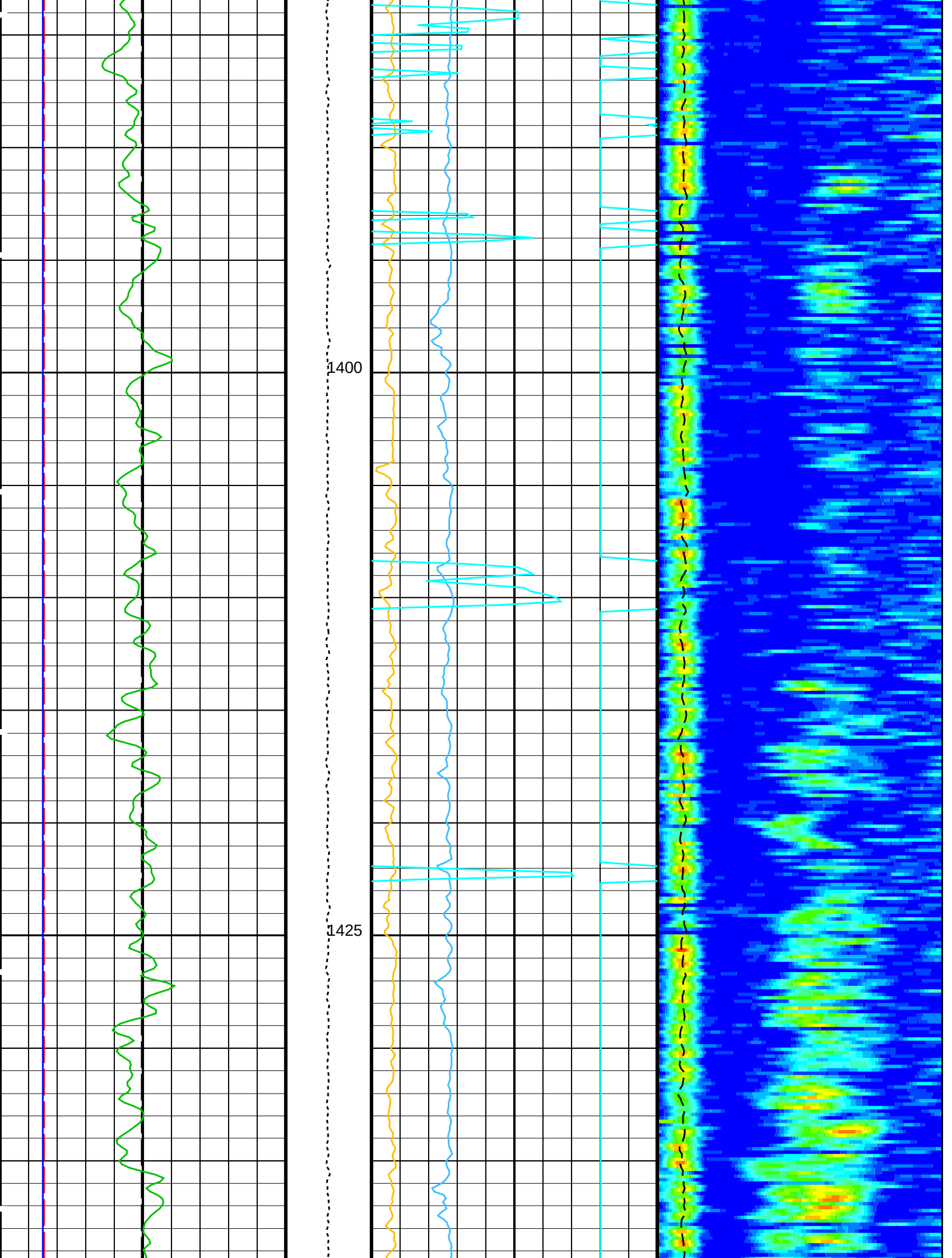
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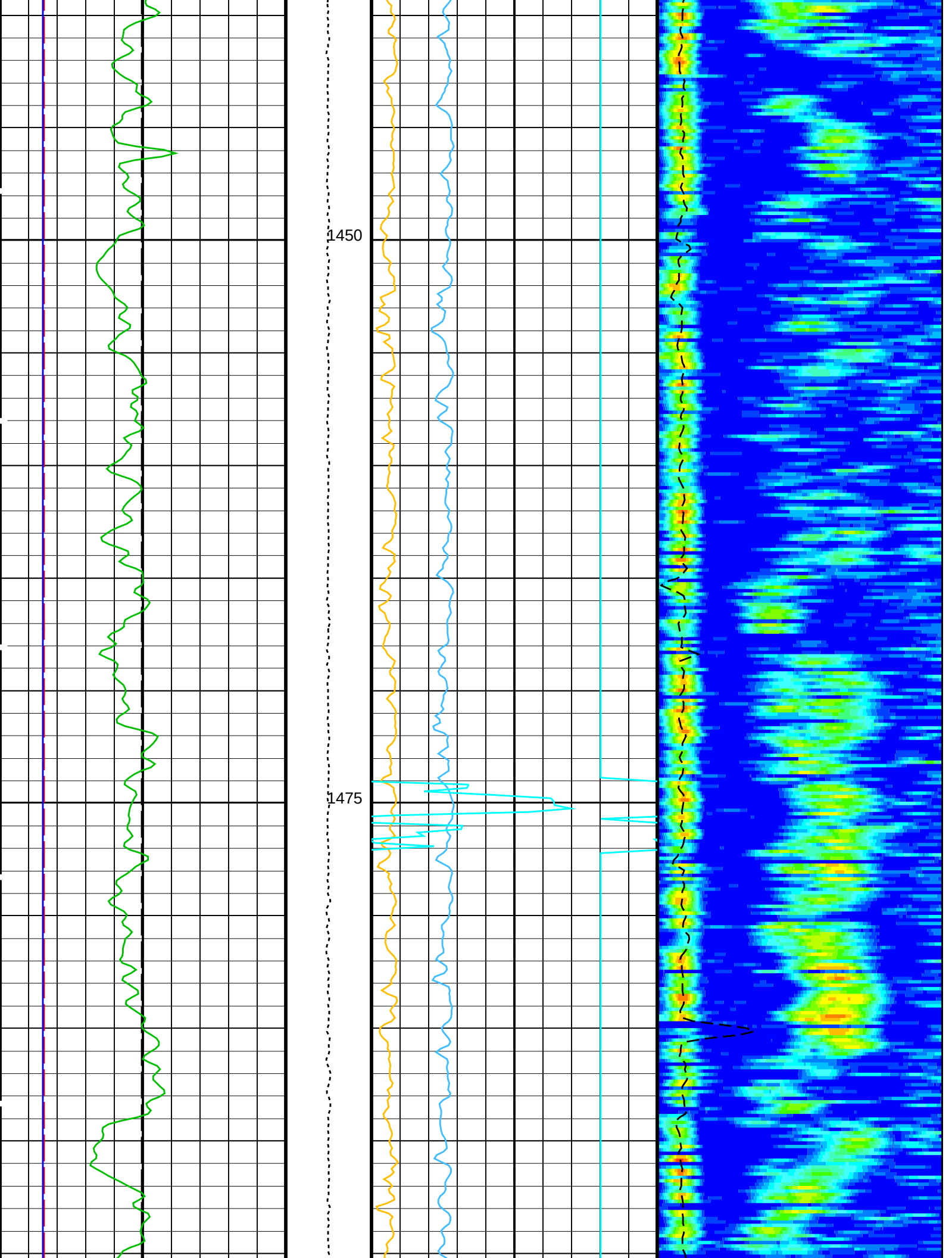
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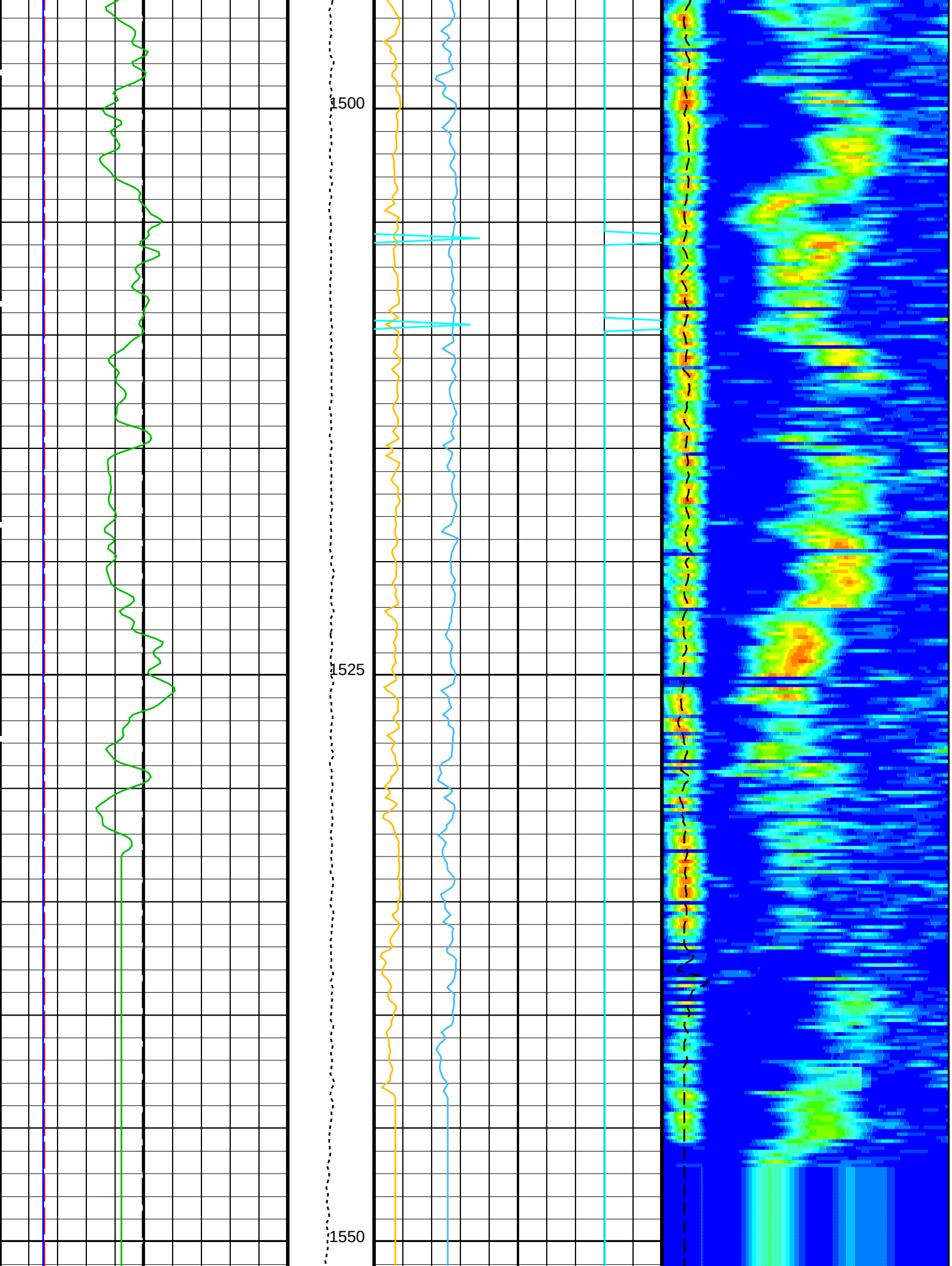
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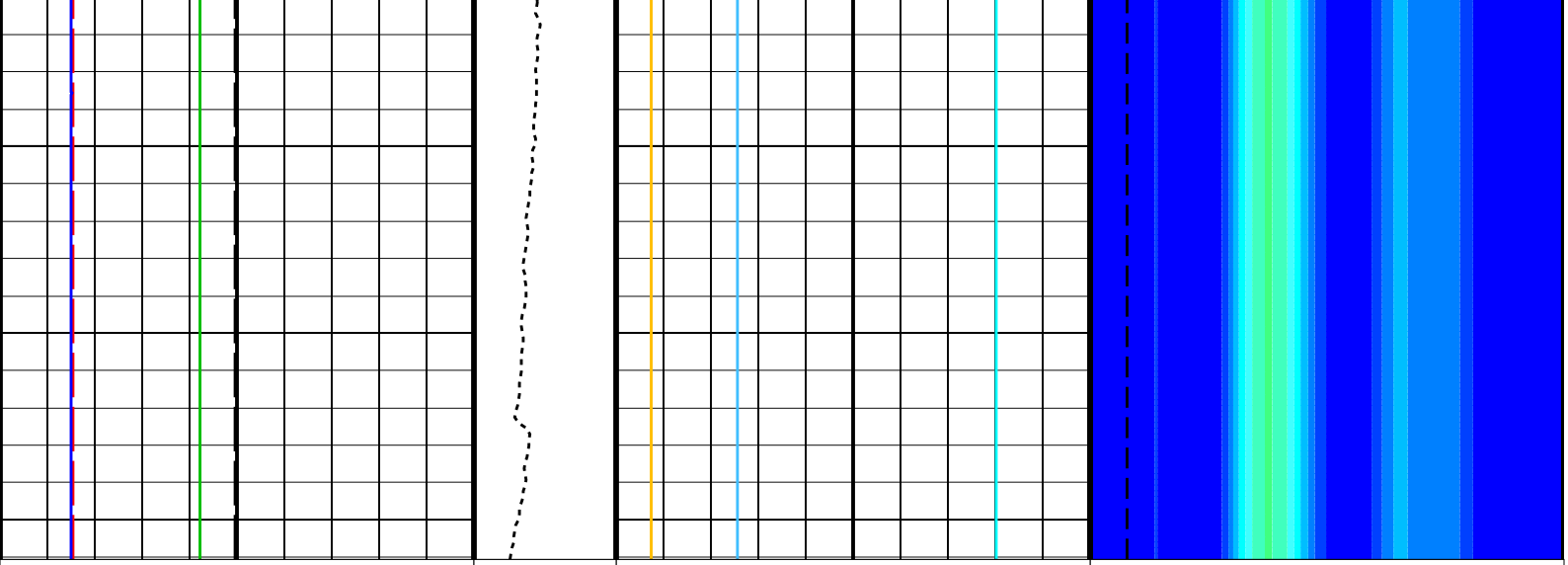


PIP SUMMARY

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	40	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	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: 20−Jun−2024 08:39

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	19C0−187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_039LUP	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_040PUP	FN:47	PRODUCER	20−Jun−2024 08:39	

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_039LUP	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

Output DLIS Files

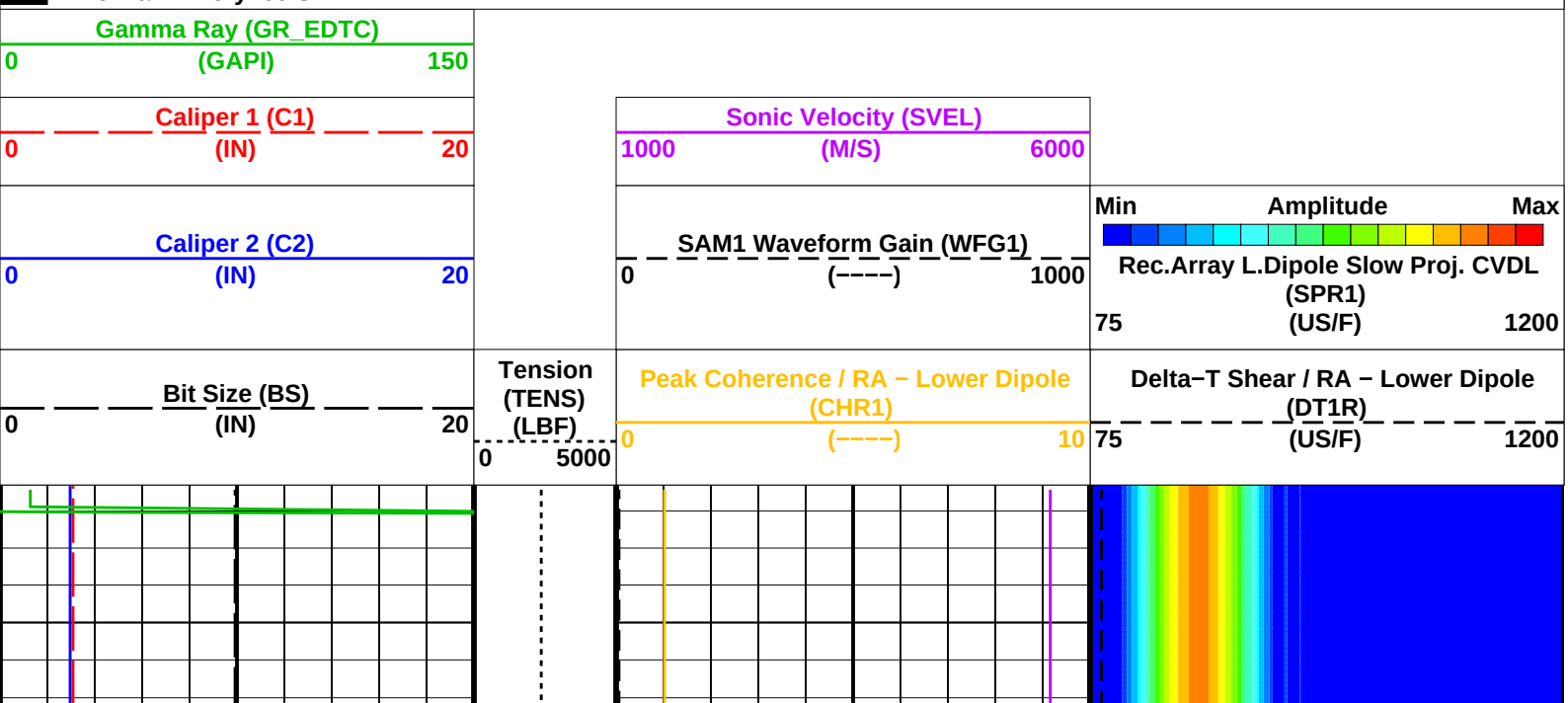
DEFAULT	FMS_DSI_NGS_040PUP	FN:47	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

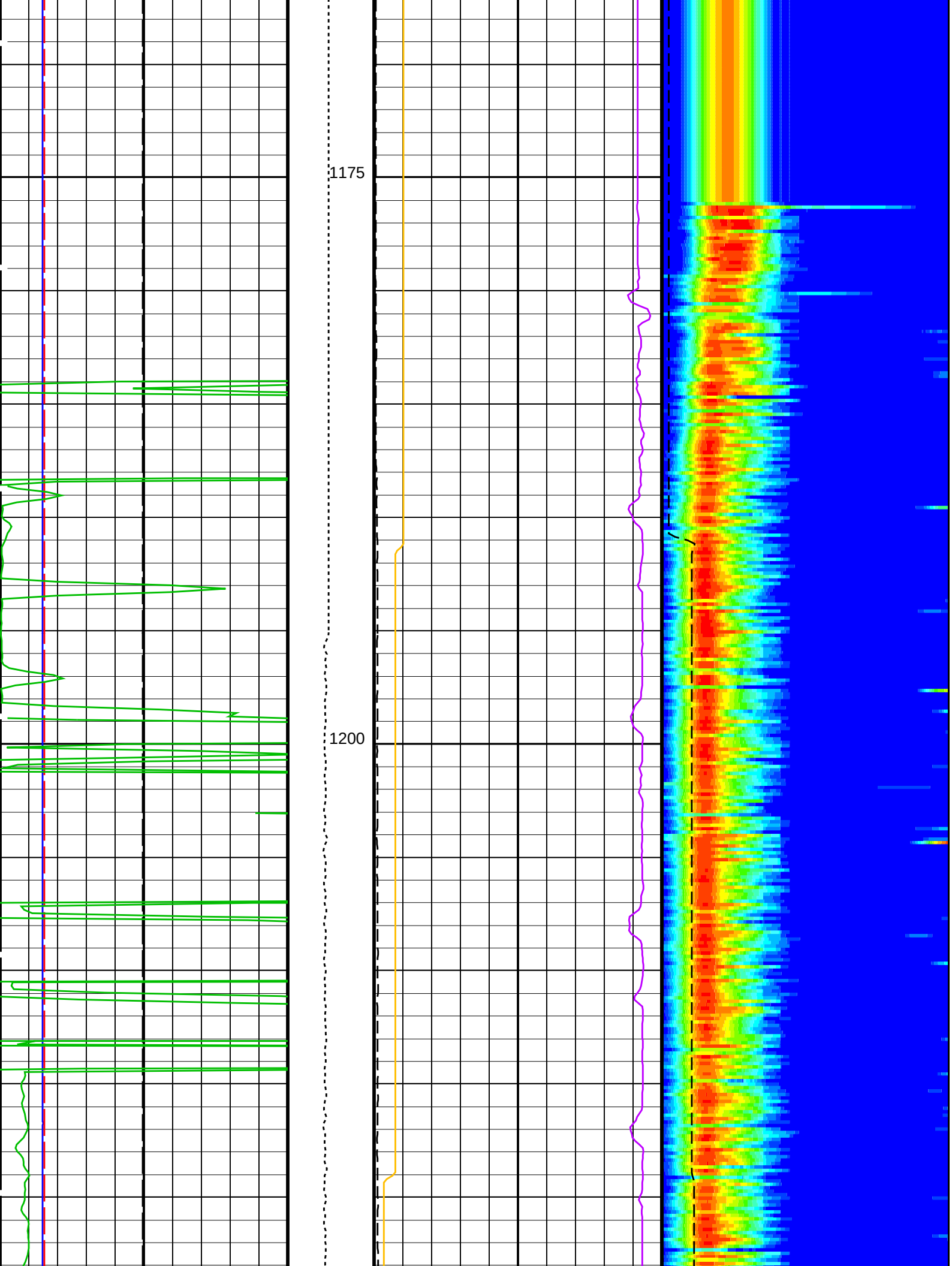
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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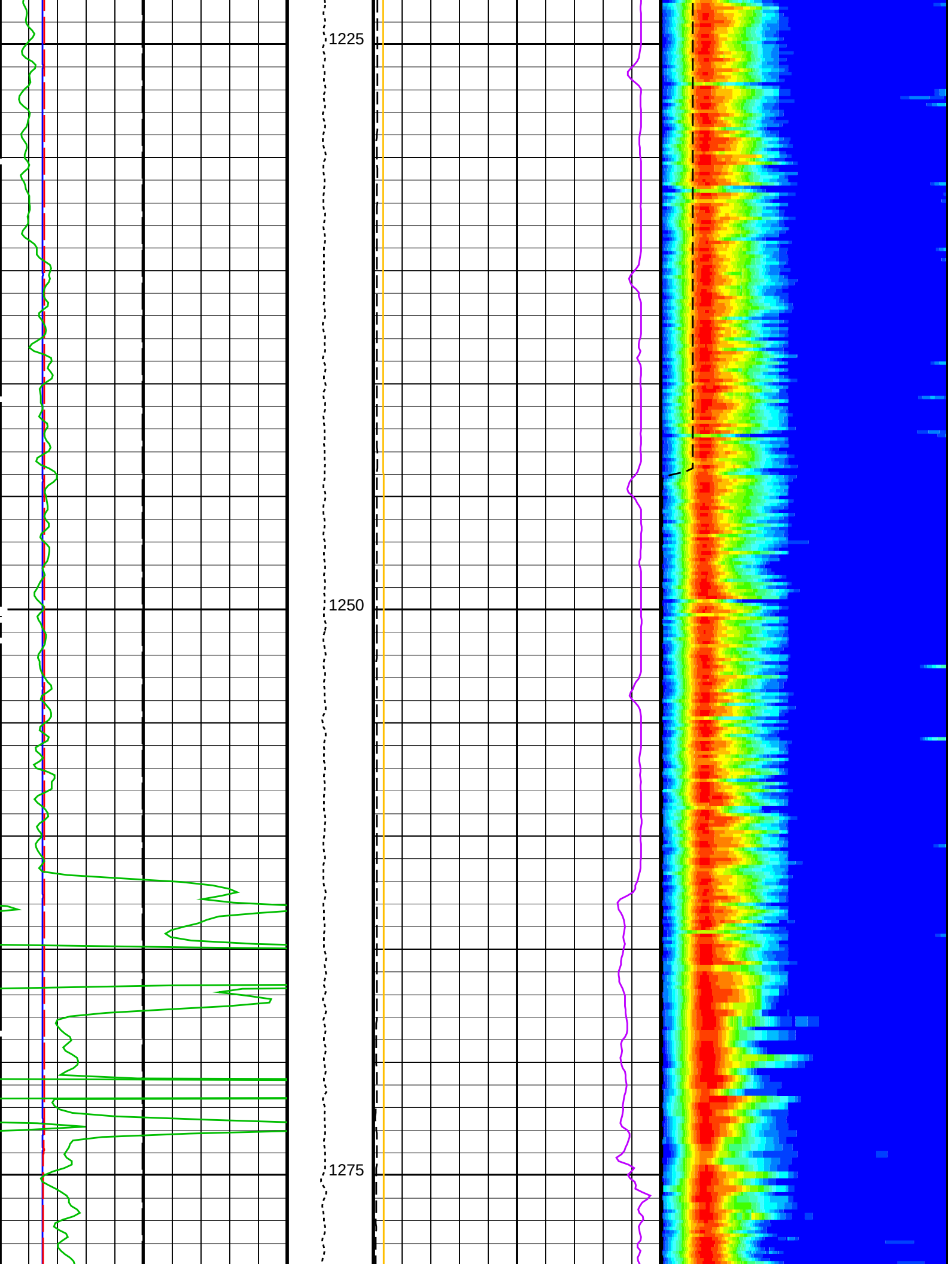
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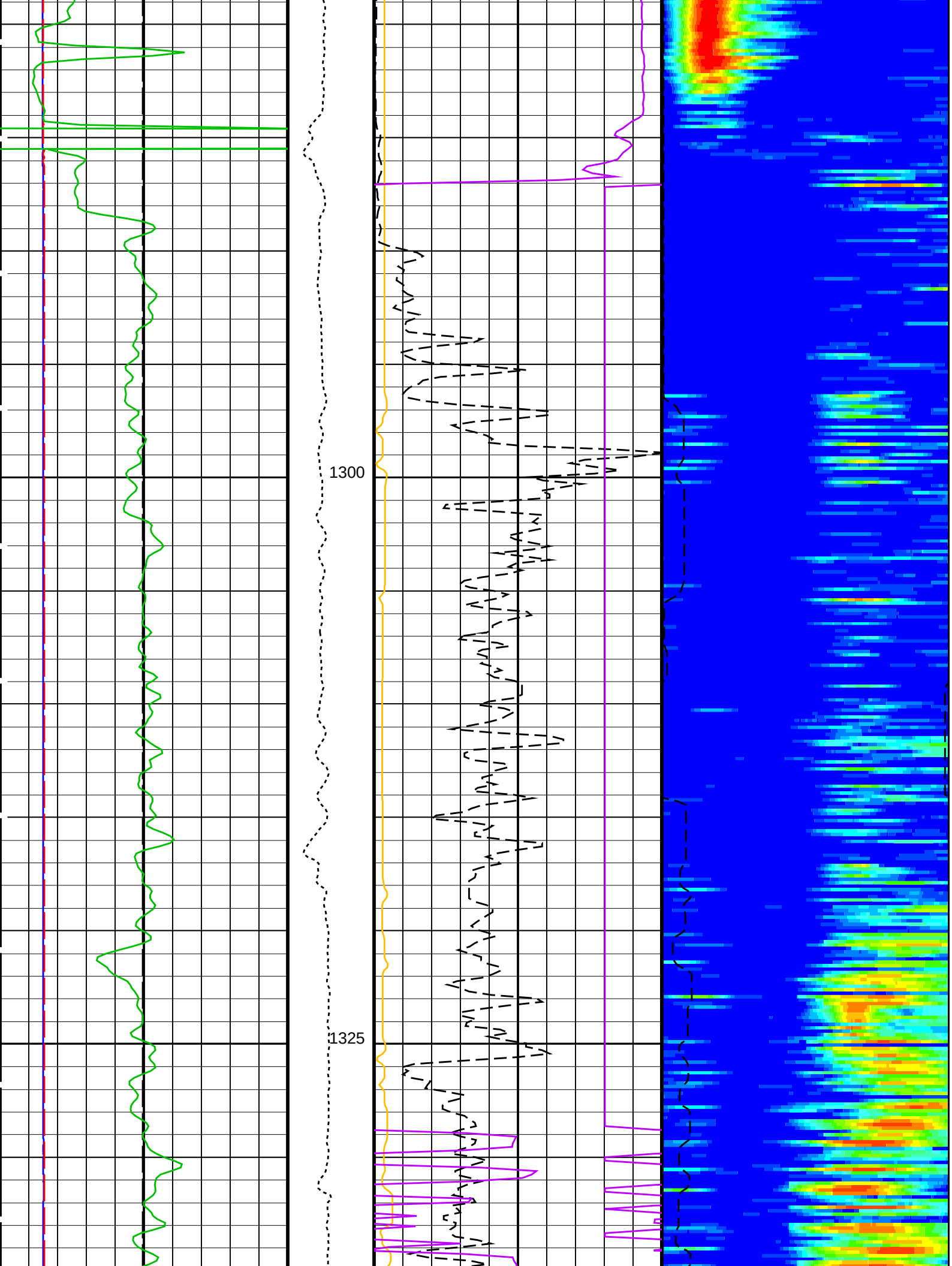
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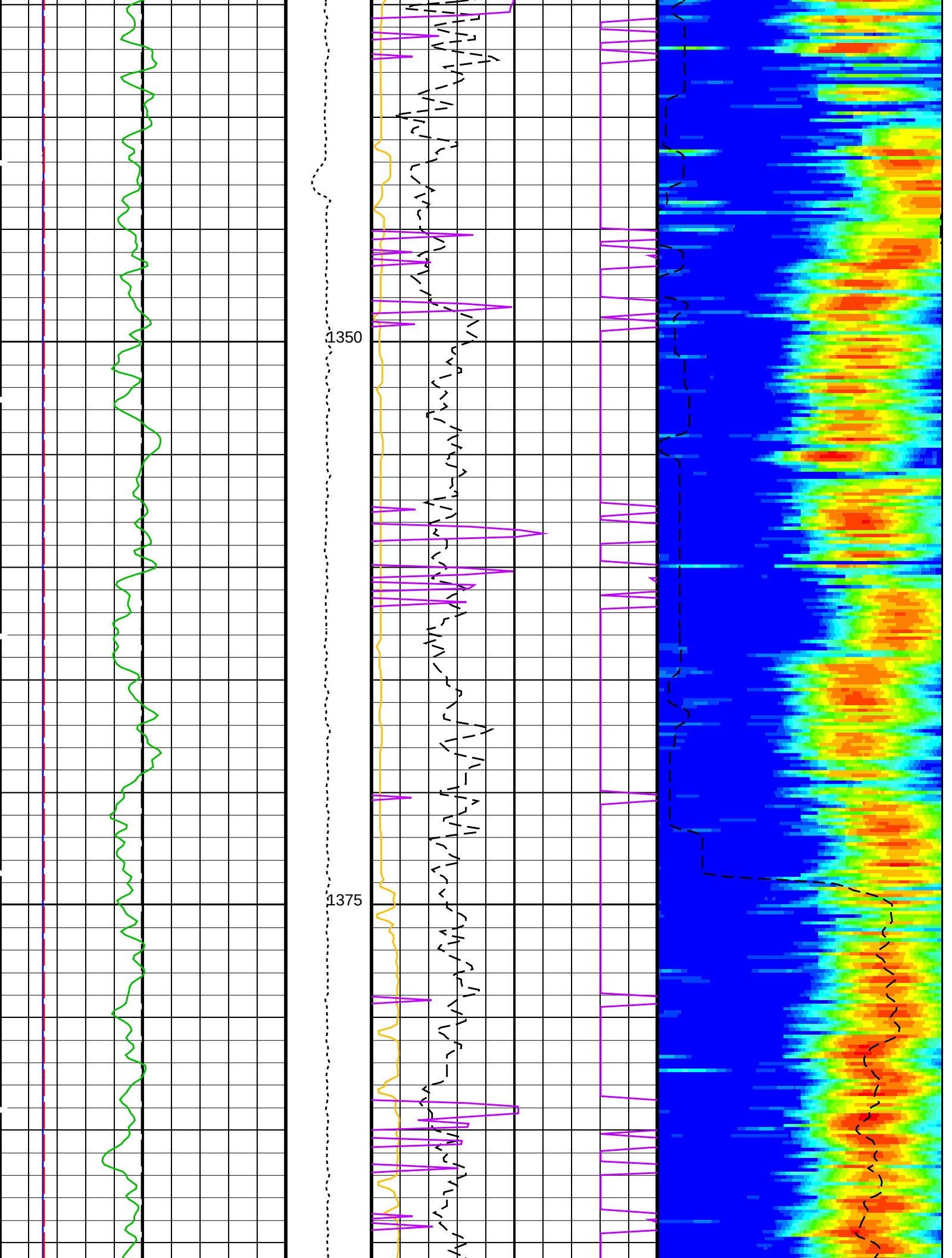
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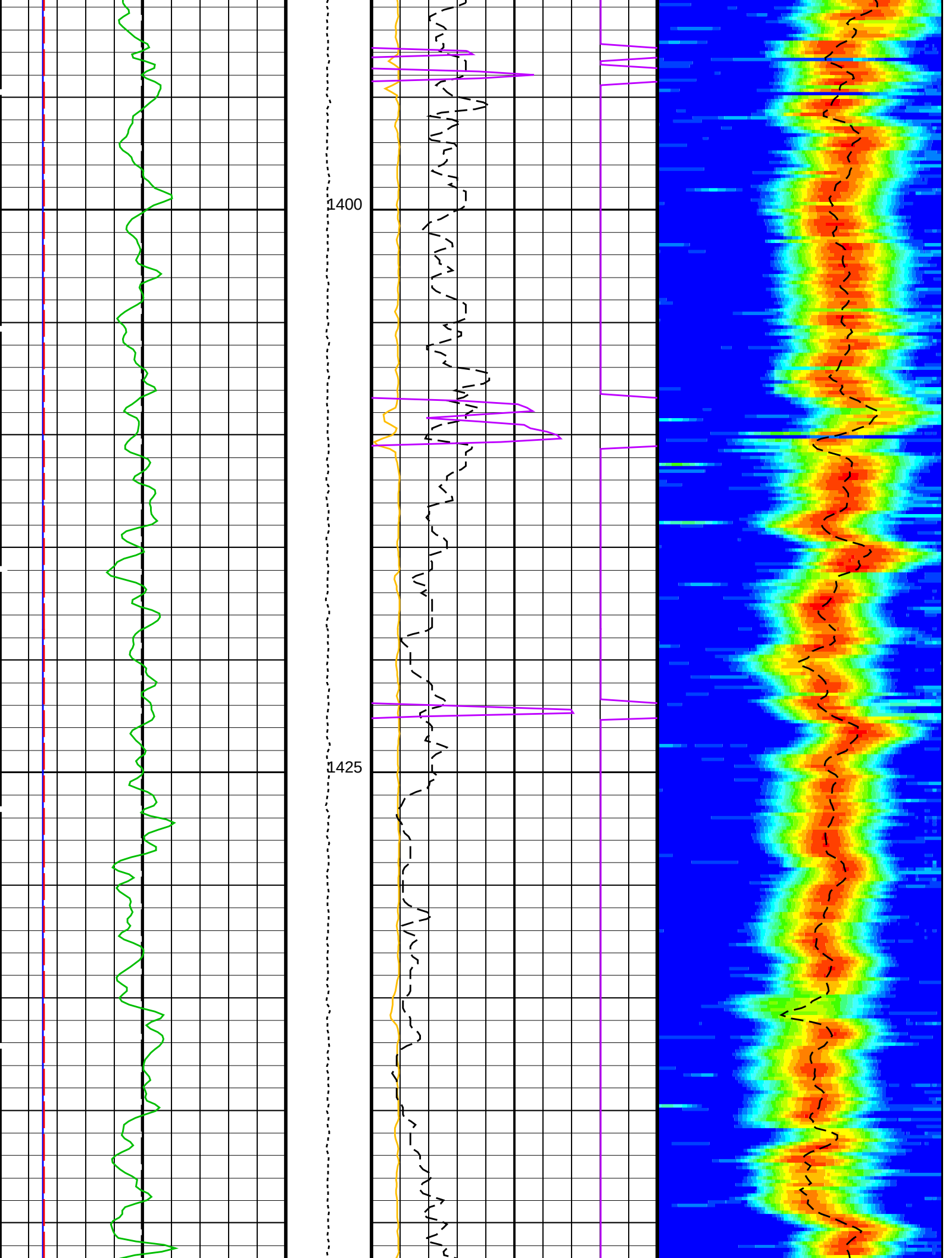
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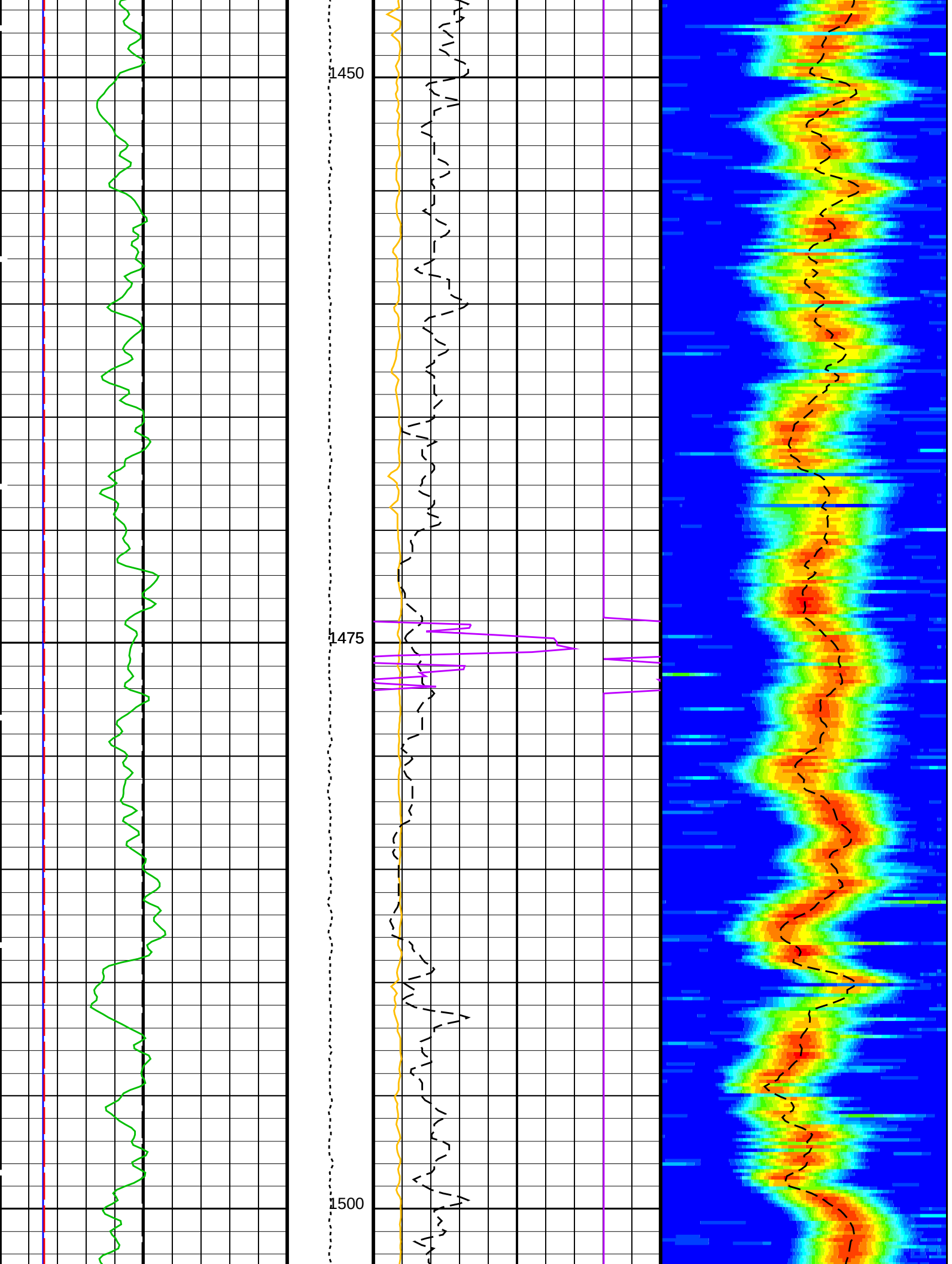
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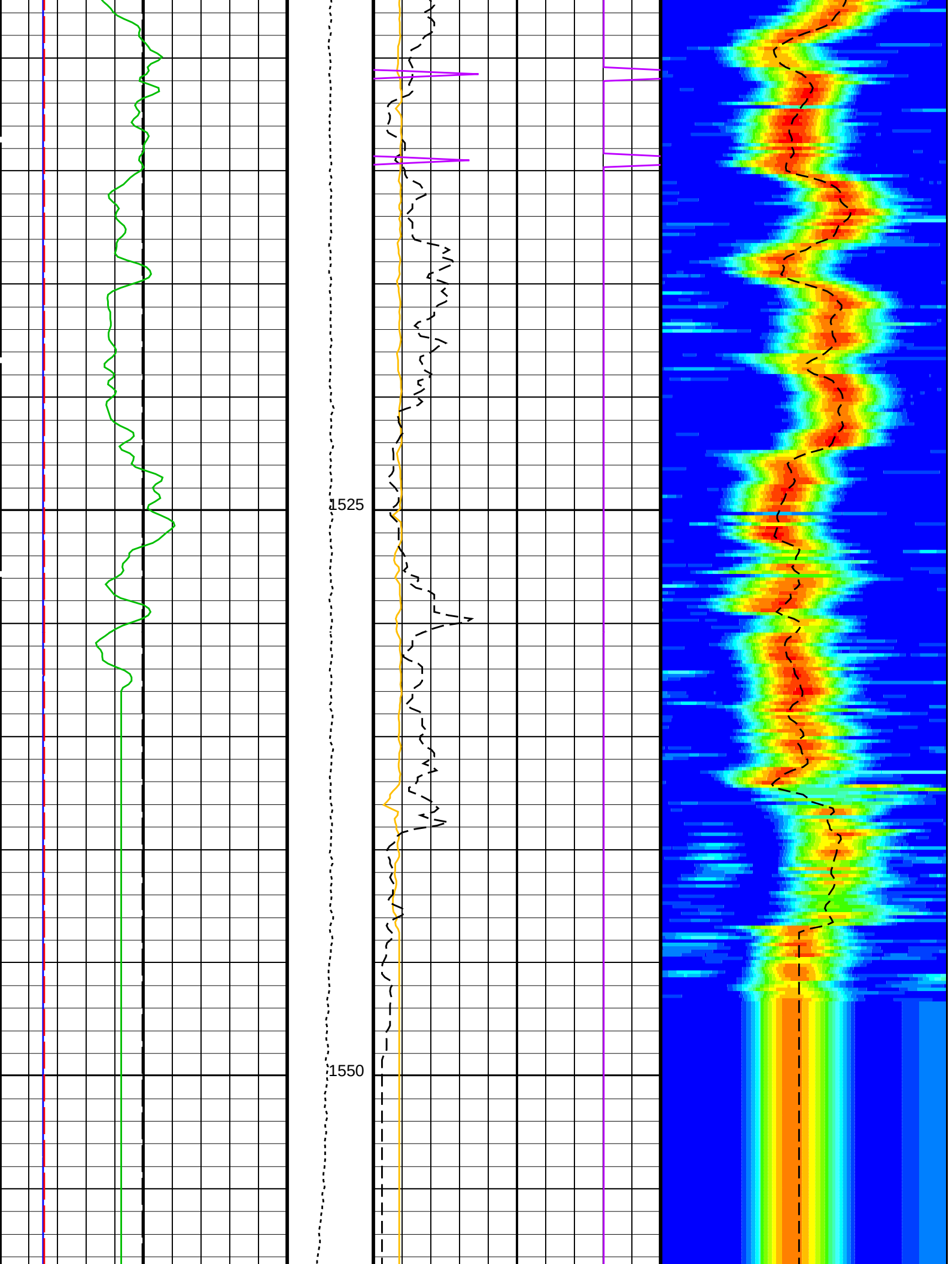
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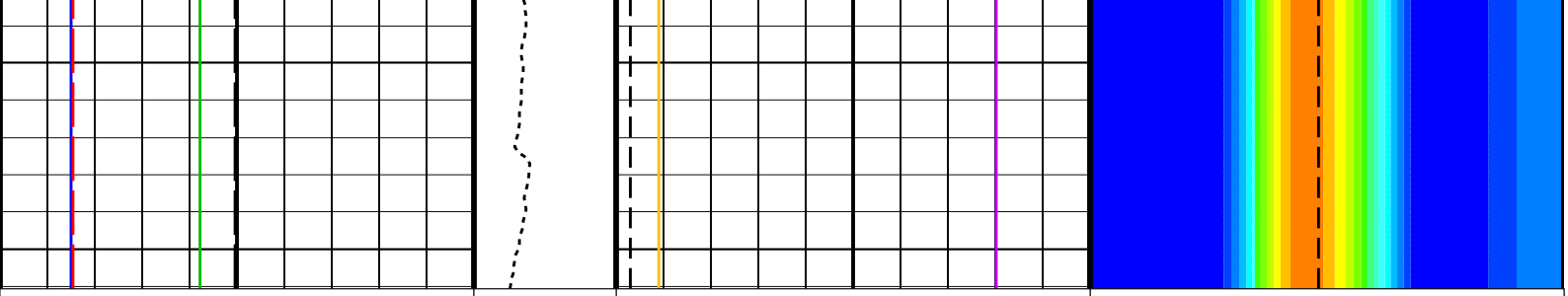


Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Lower Dipole (CHR1)	Delta−T Shear / RA − Lower Dipole (DT1R)
0 (IN) 20	0 (LBF) 5000	0 (−−−−) 10	75 (US/F) 1200

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	40	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 − Lower Dipole Mode	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: 20−Jun−2024 08:39

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	19C0−187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_039LUP	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_040PUP	FN:47	PRODUCER	20−Jun−2024 08:39	

Company: International Ocean Discovery Program Well: Expedition 403, Site U1618B

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_039LUP	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

Output DLIS Files

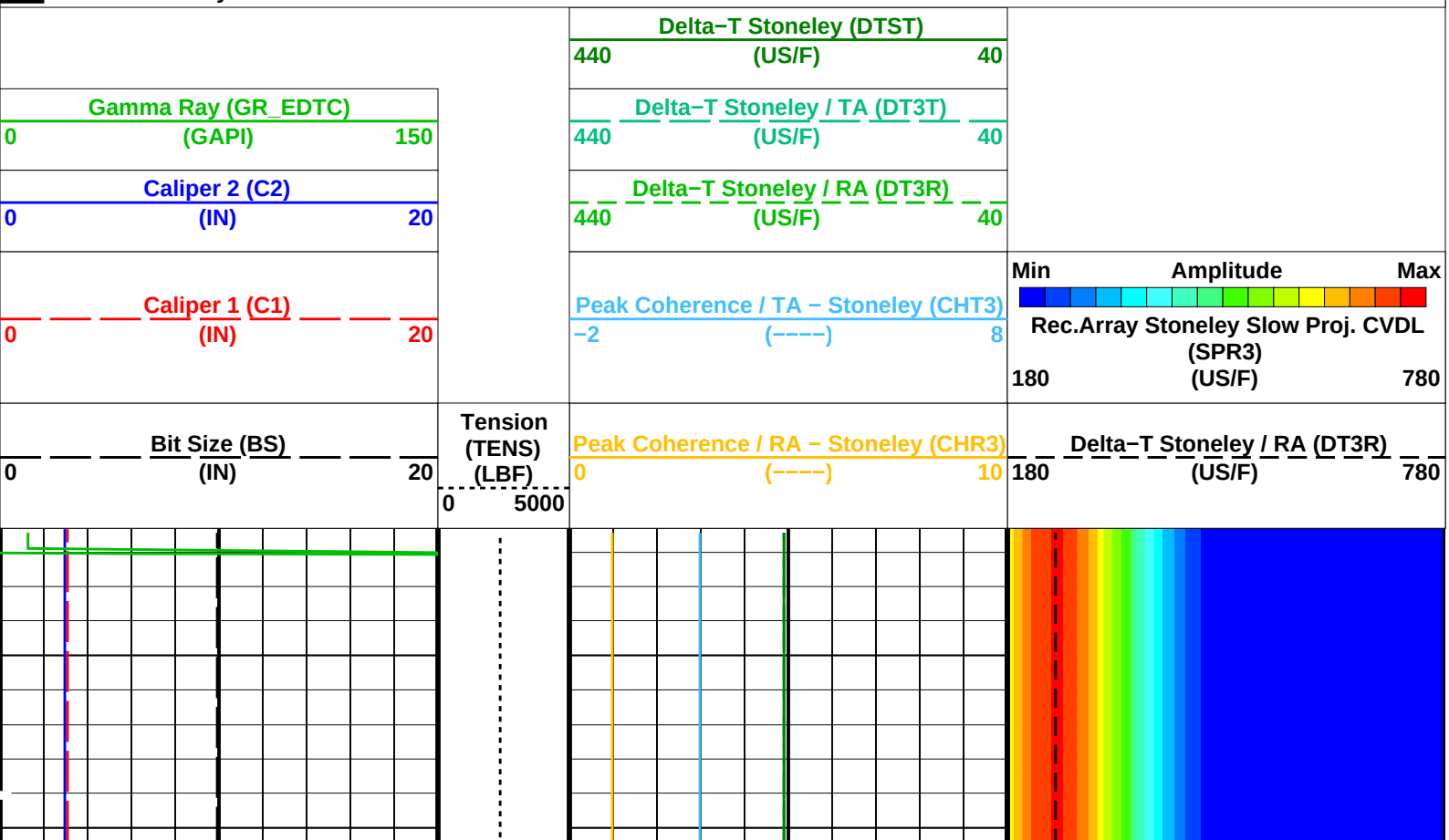
DEFAULT	FMS_DSI_NGS_040PUP	FN:47	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

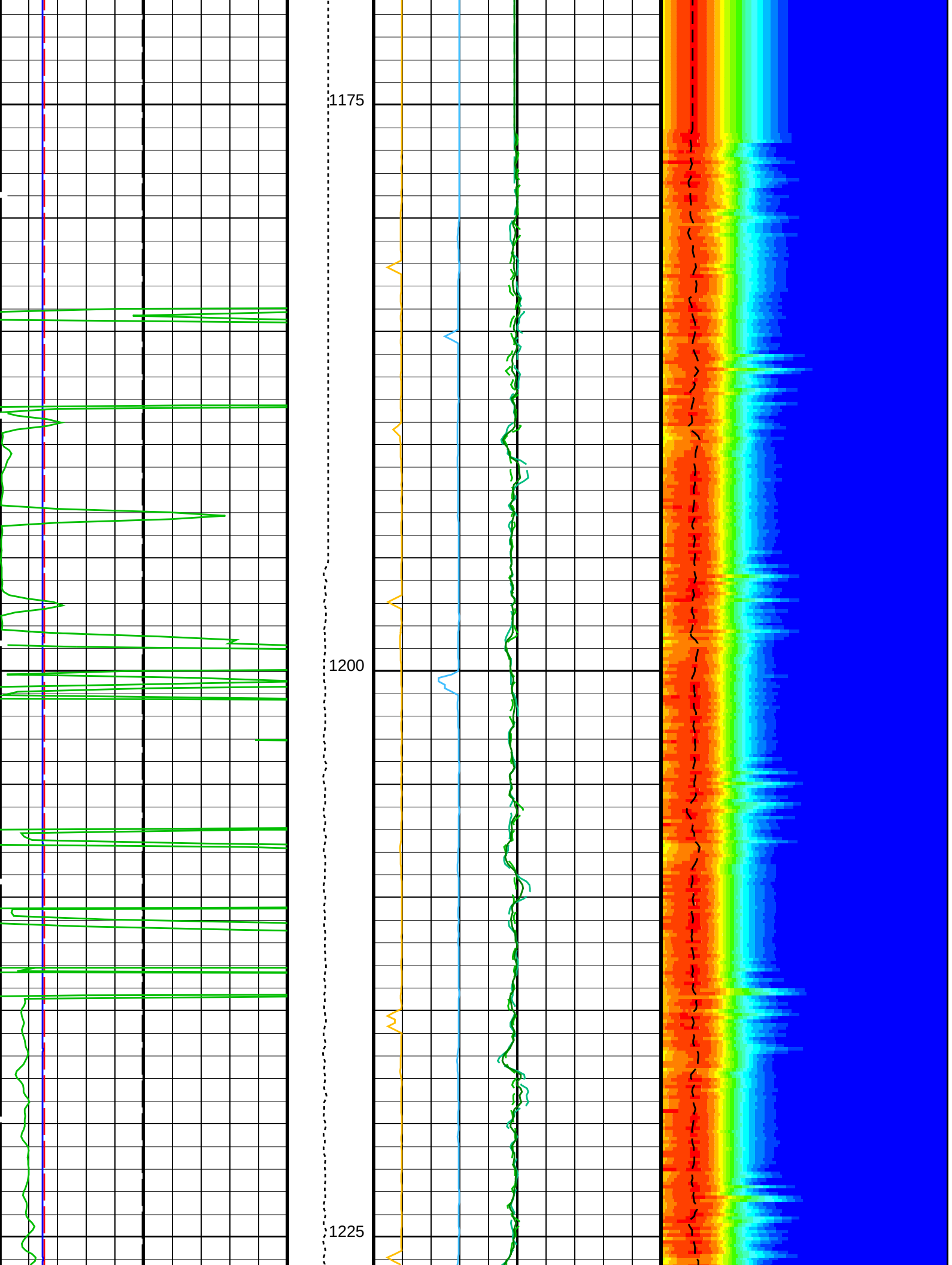
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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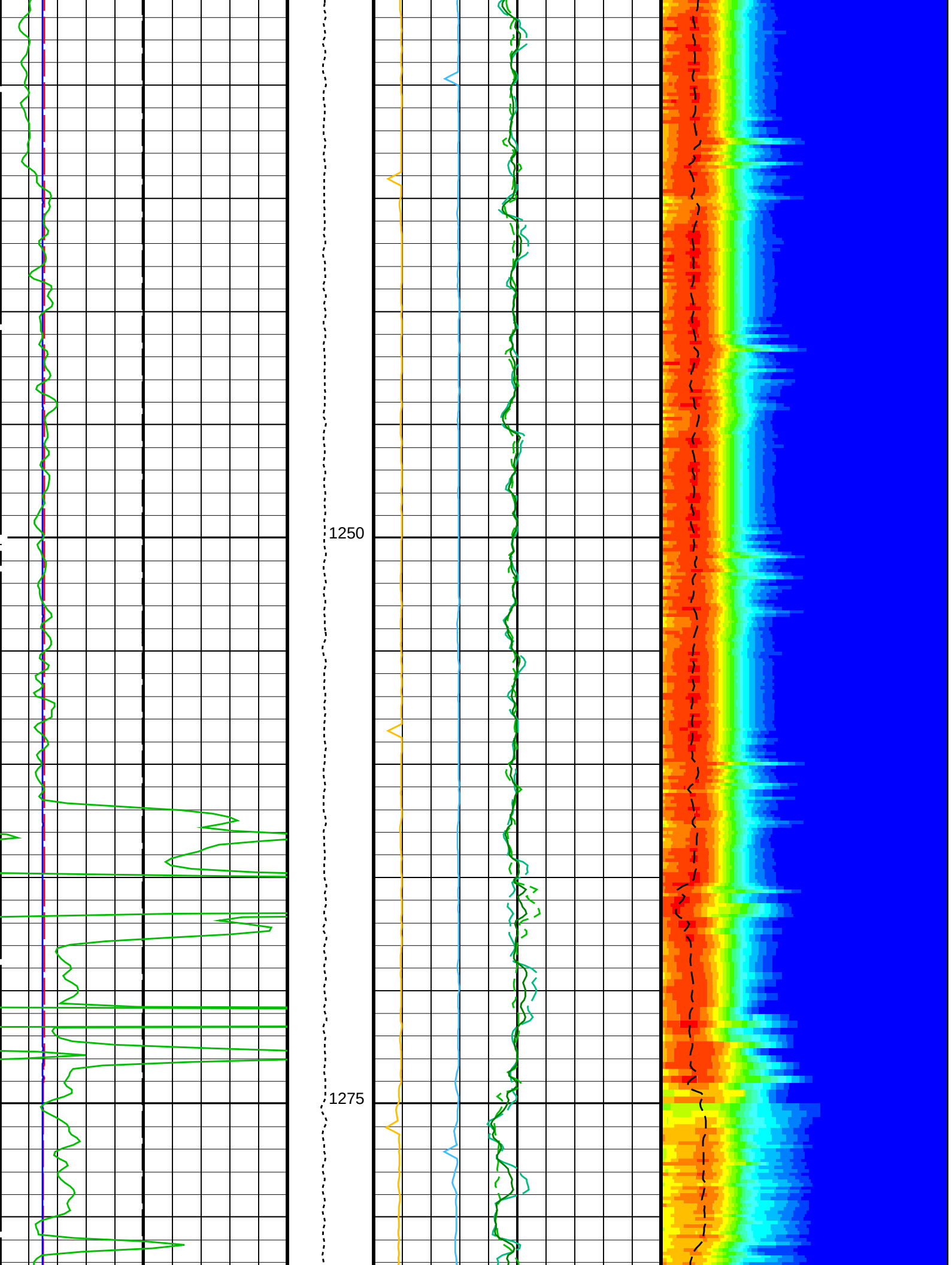
1200
1225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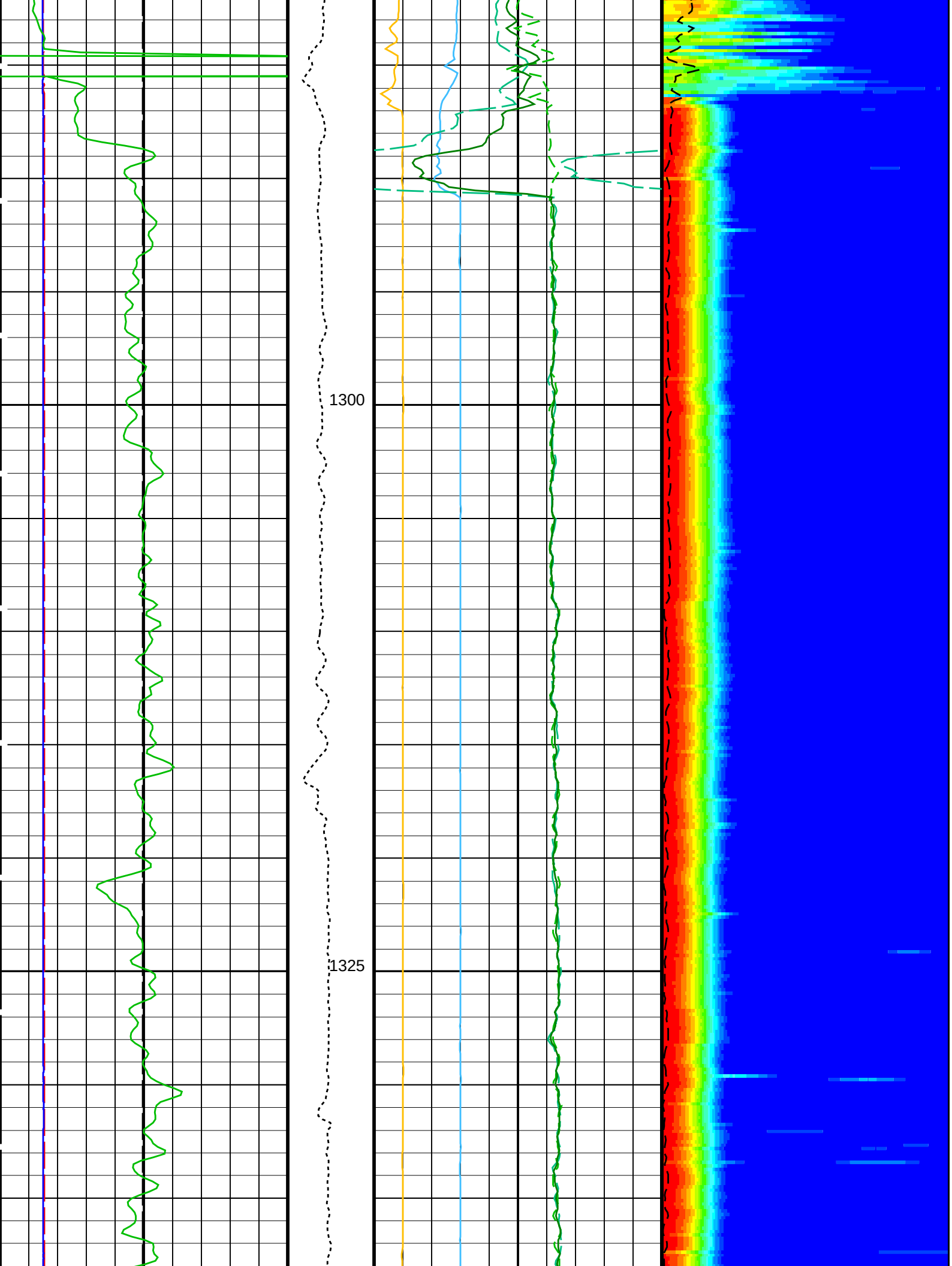
1275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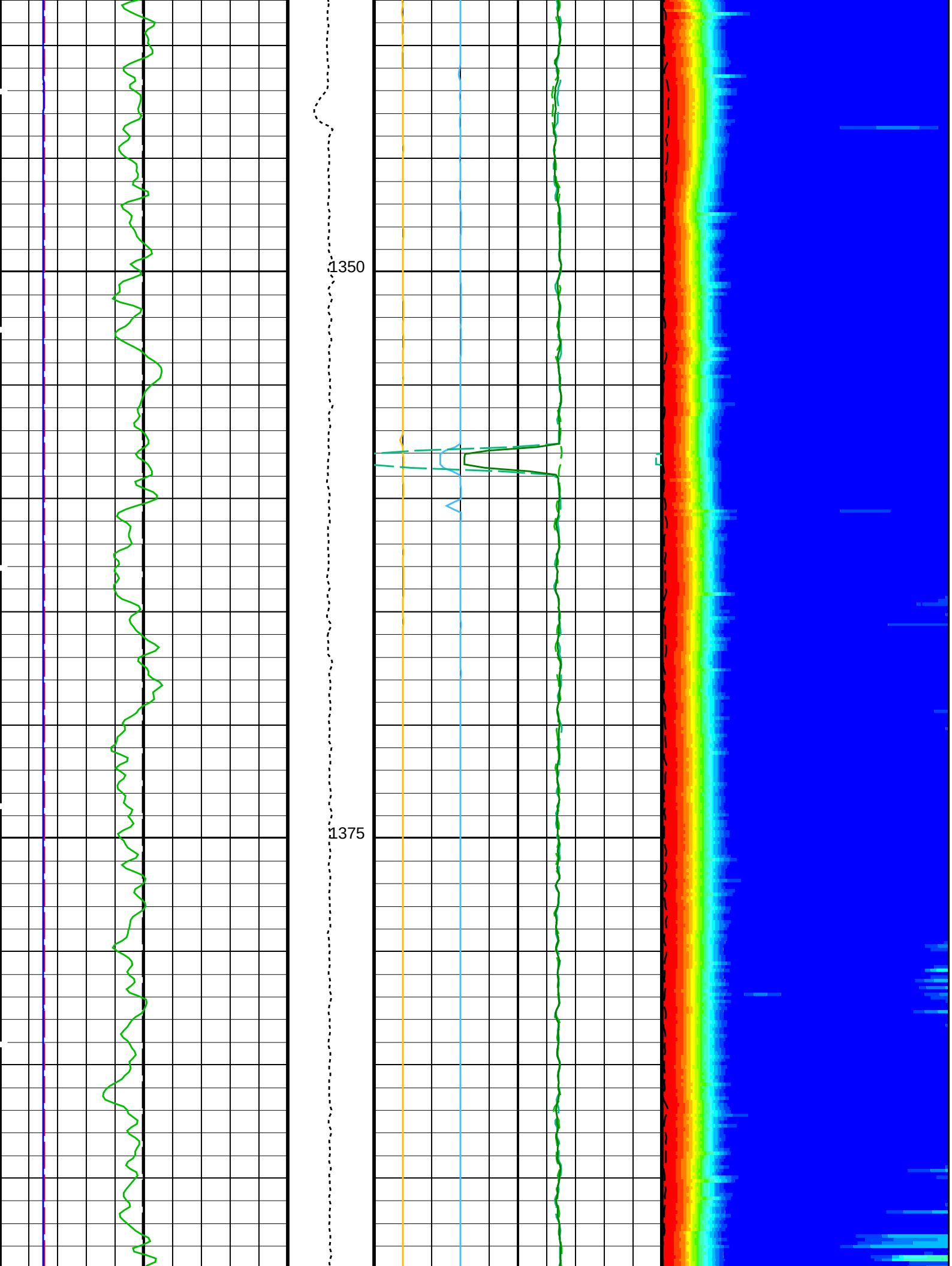
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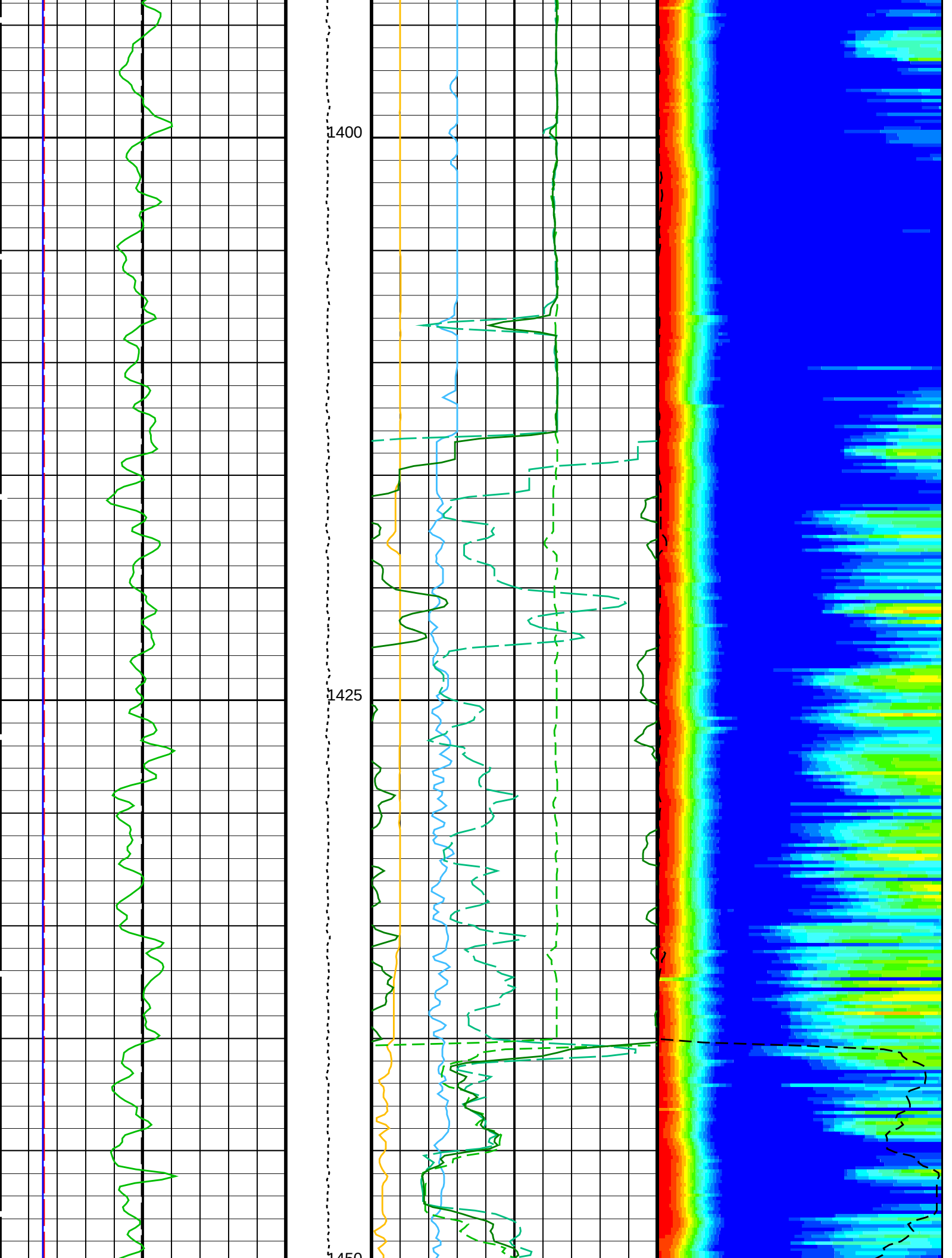
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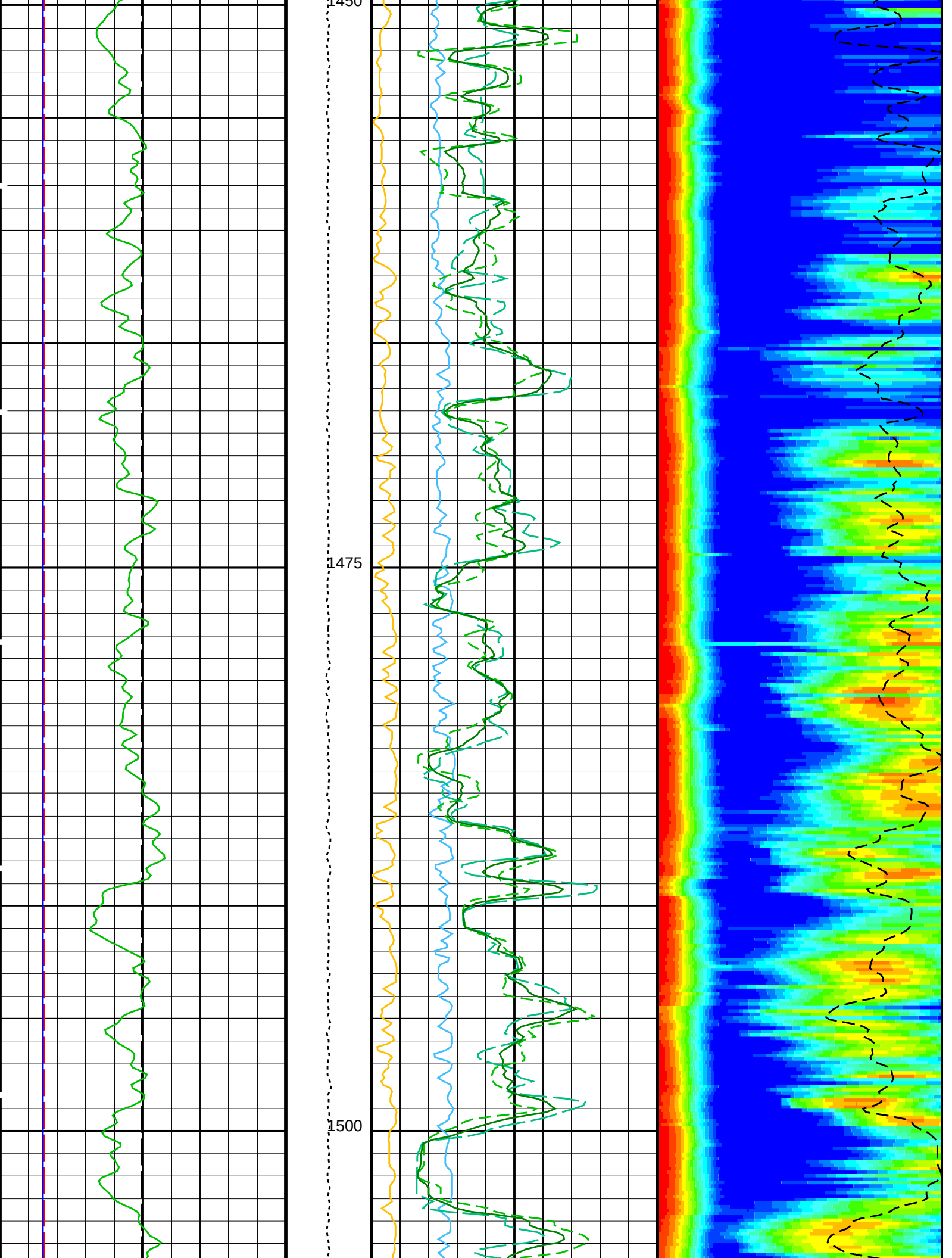
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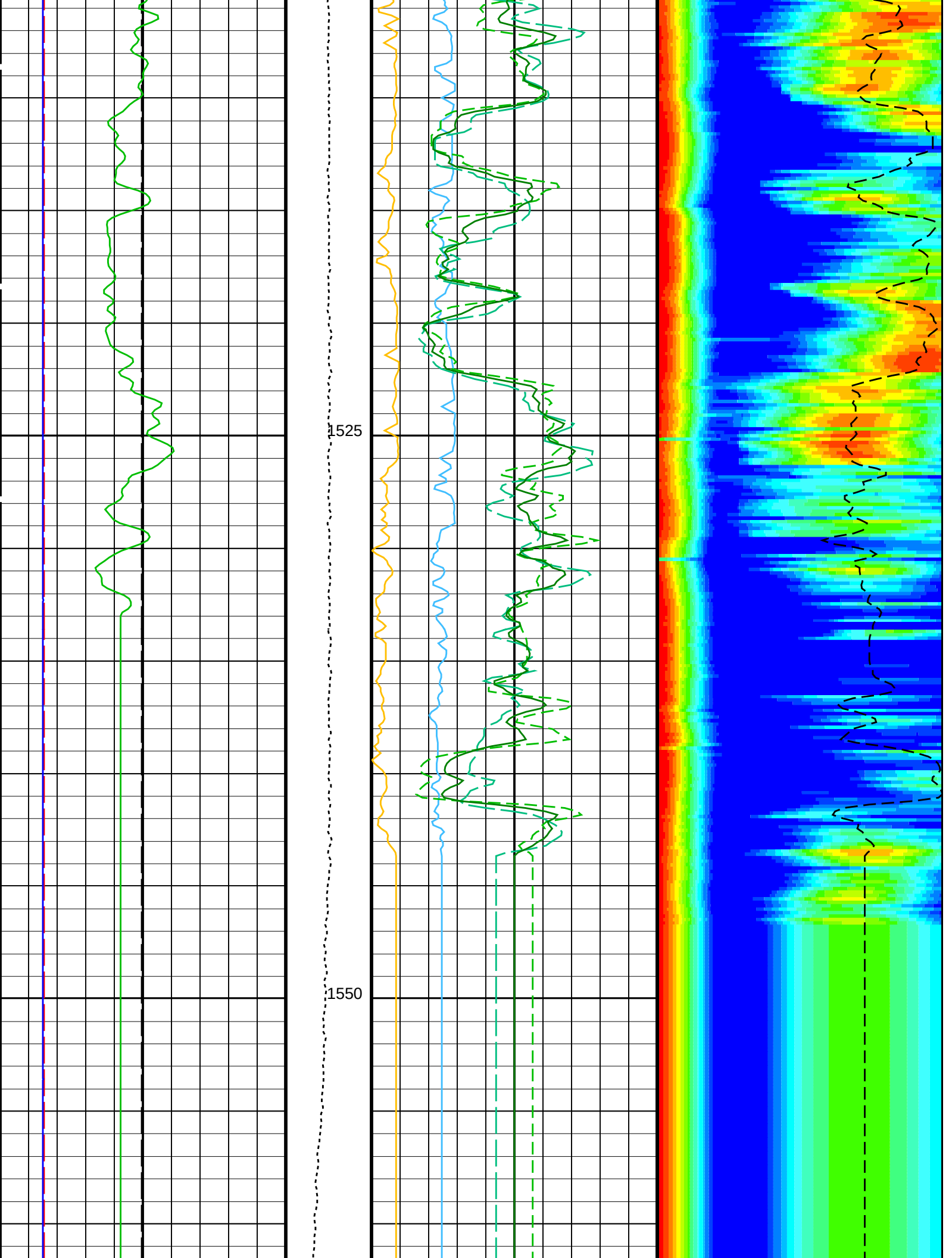

1525
1550

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
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

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	19C0−187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_039LUP	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_040PUP	FN:47	PRODUCER	20−Jun−2024 08:39	

Company: International Ocean Discovery Program — Well: Expedition 403, Site U1618B

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_039LUP	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_040PUP	FN:47	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 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	19C0−187

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

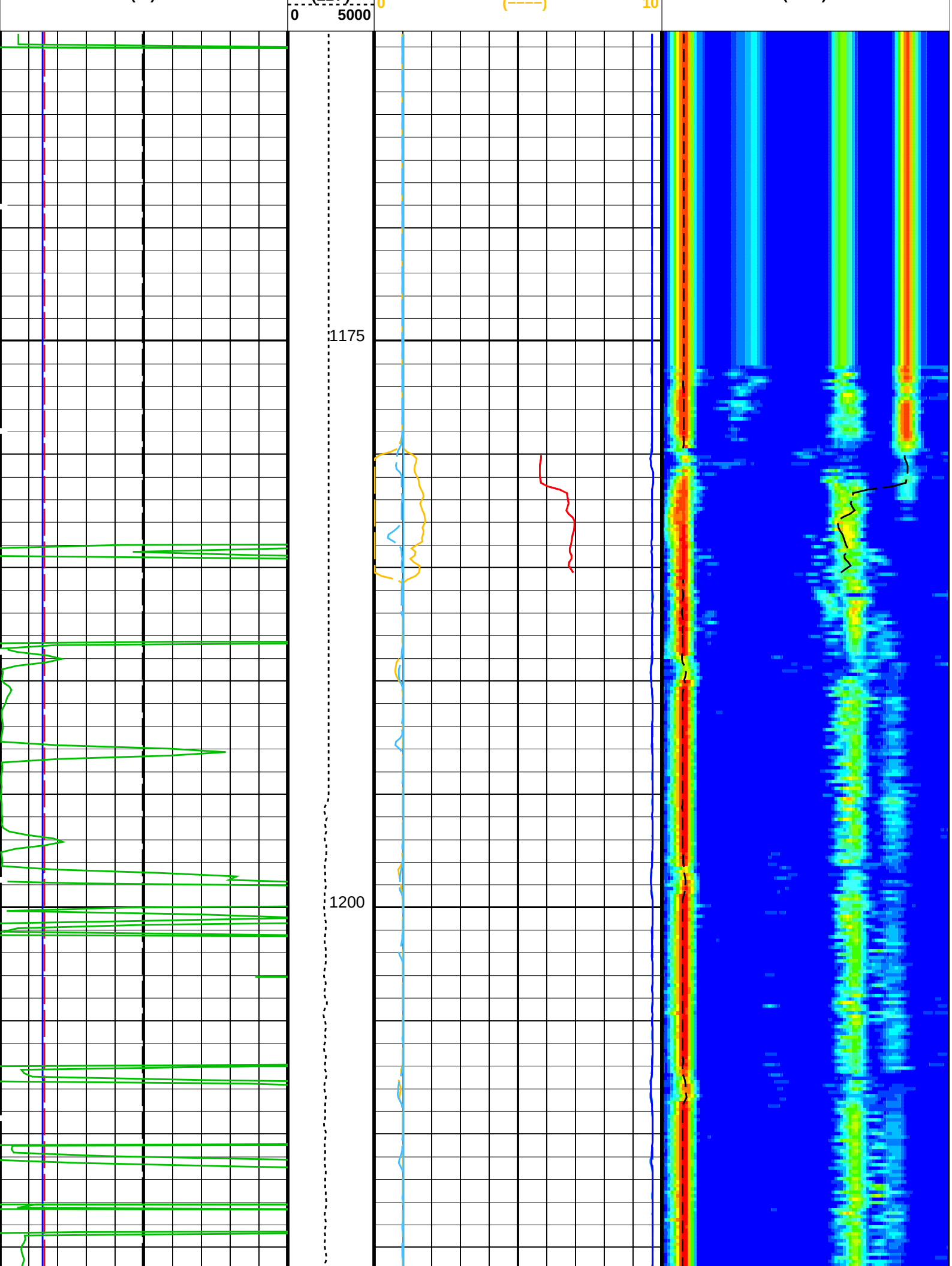
Delta−T Shear / RA − P & S (DTRS)
40 (US/F) 240

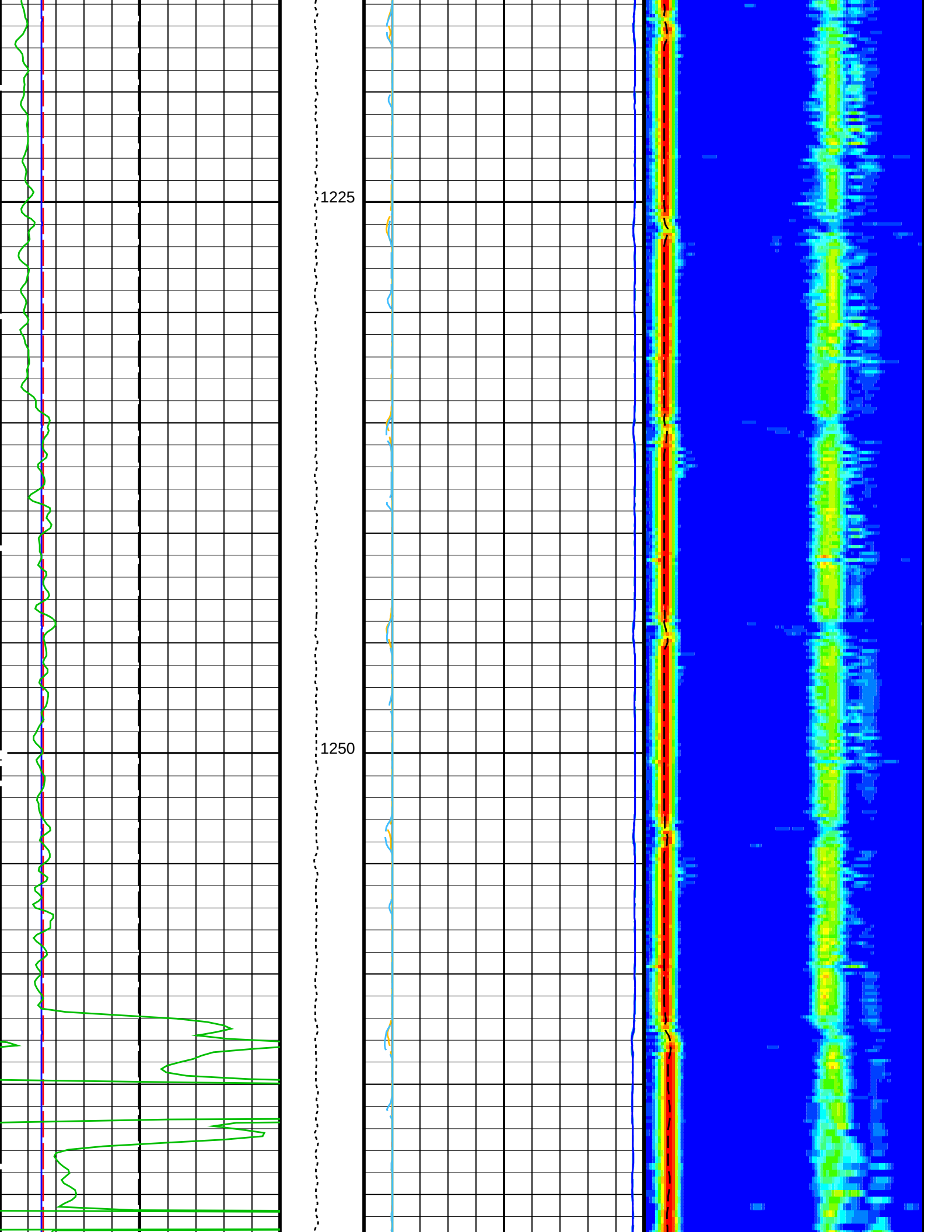
Bit Size (BS)
0 (IN) 20

Tension (TENS) (LBF)

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

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


0
5000
0
10
1175
1200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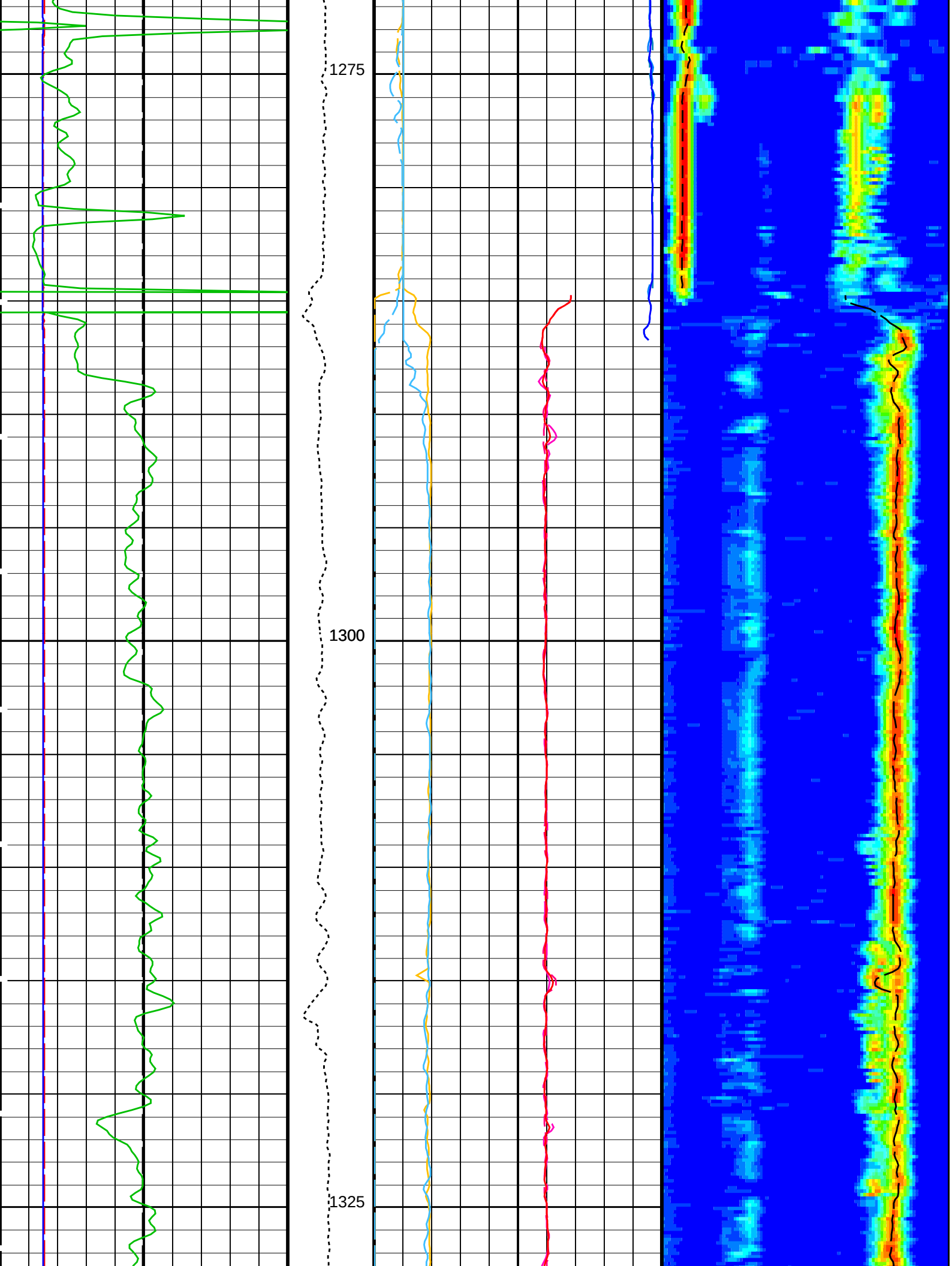
1250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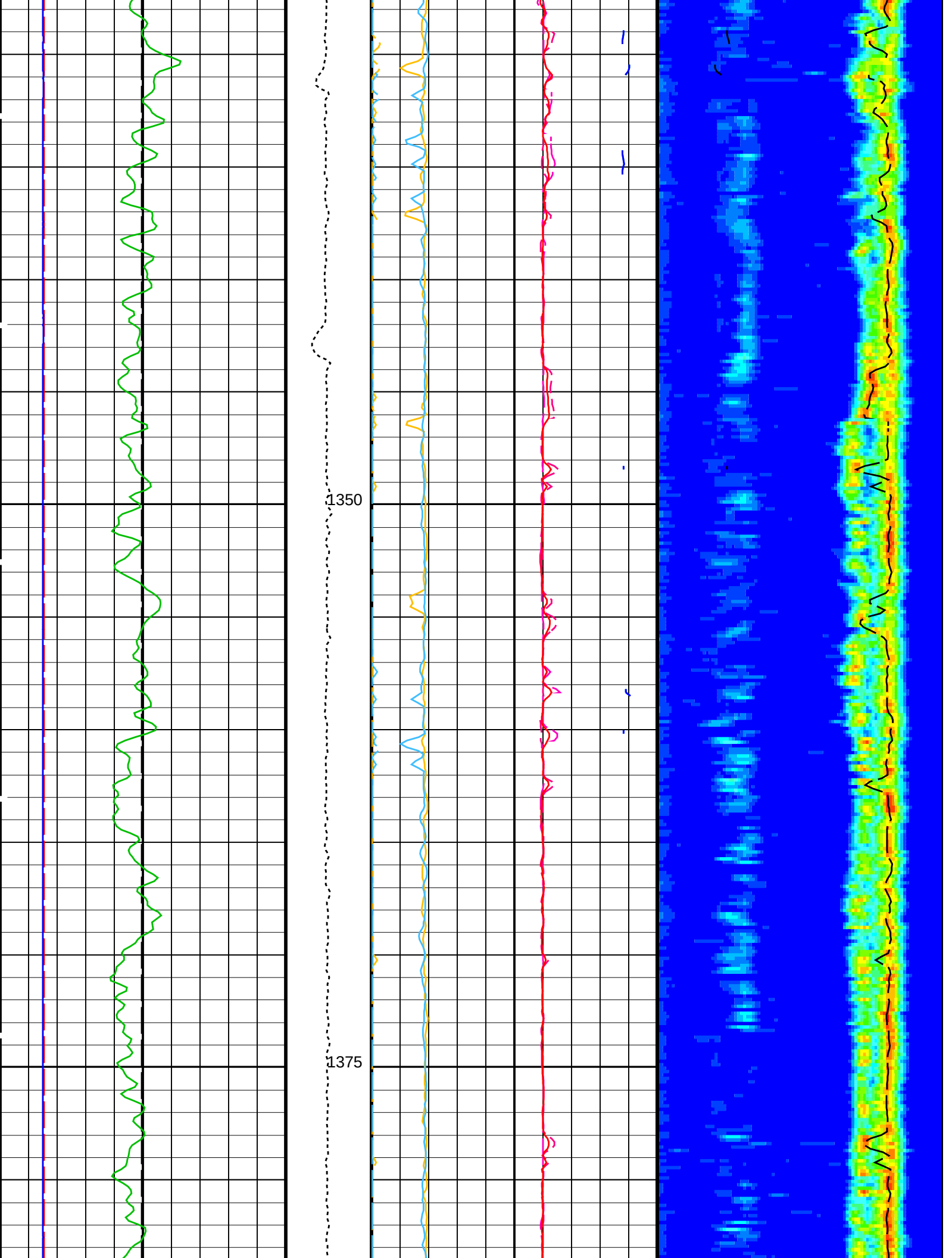
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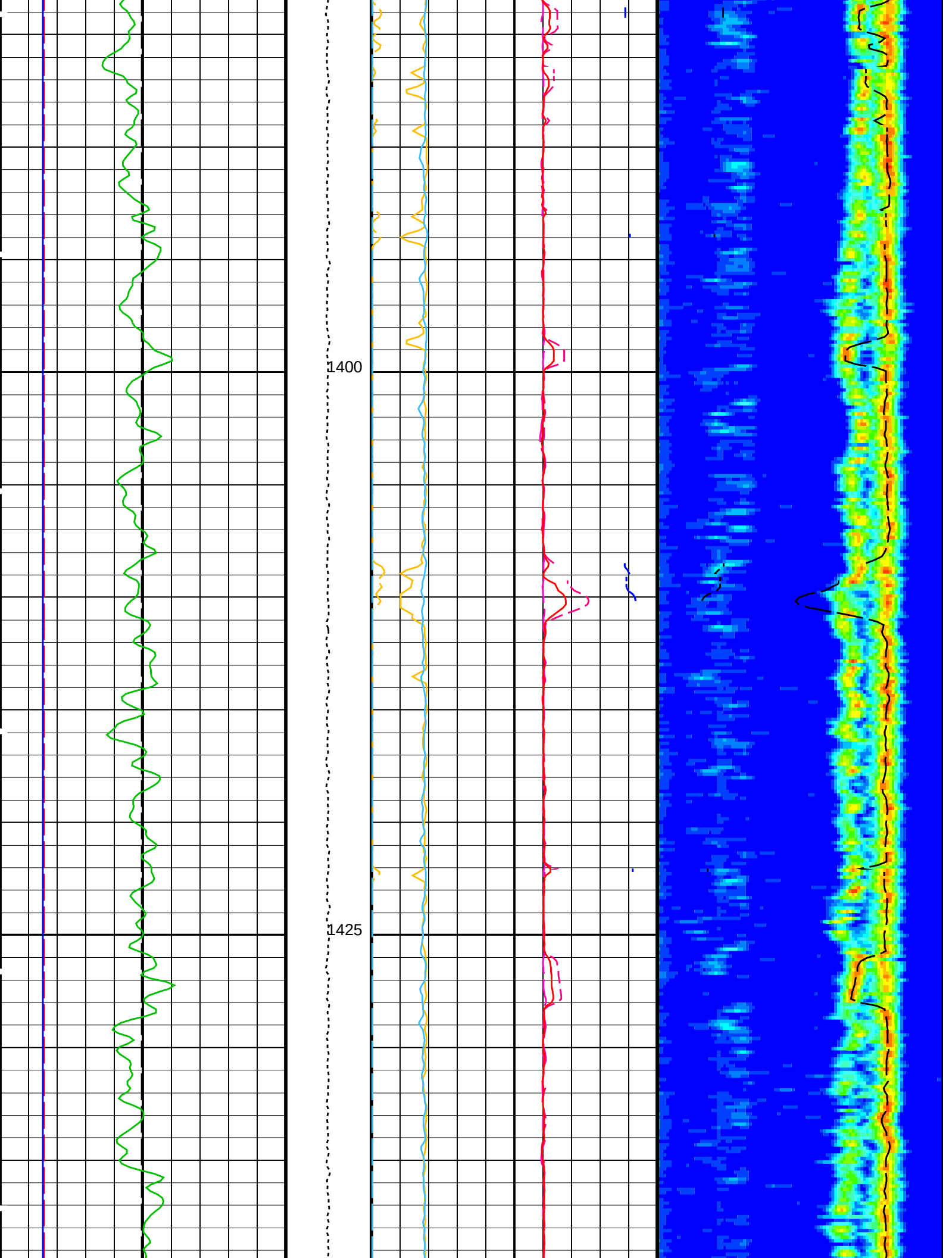
1375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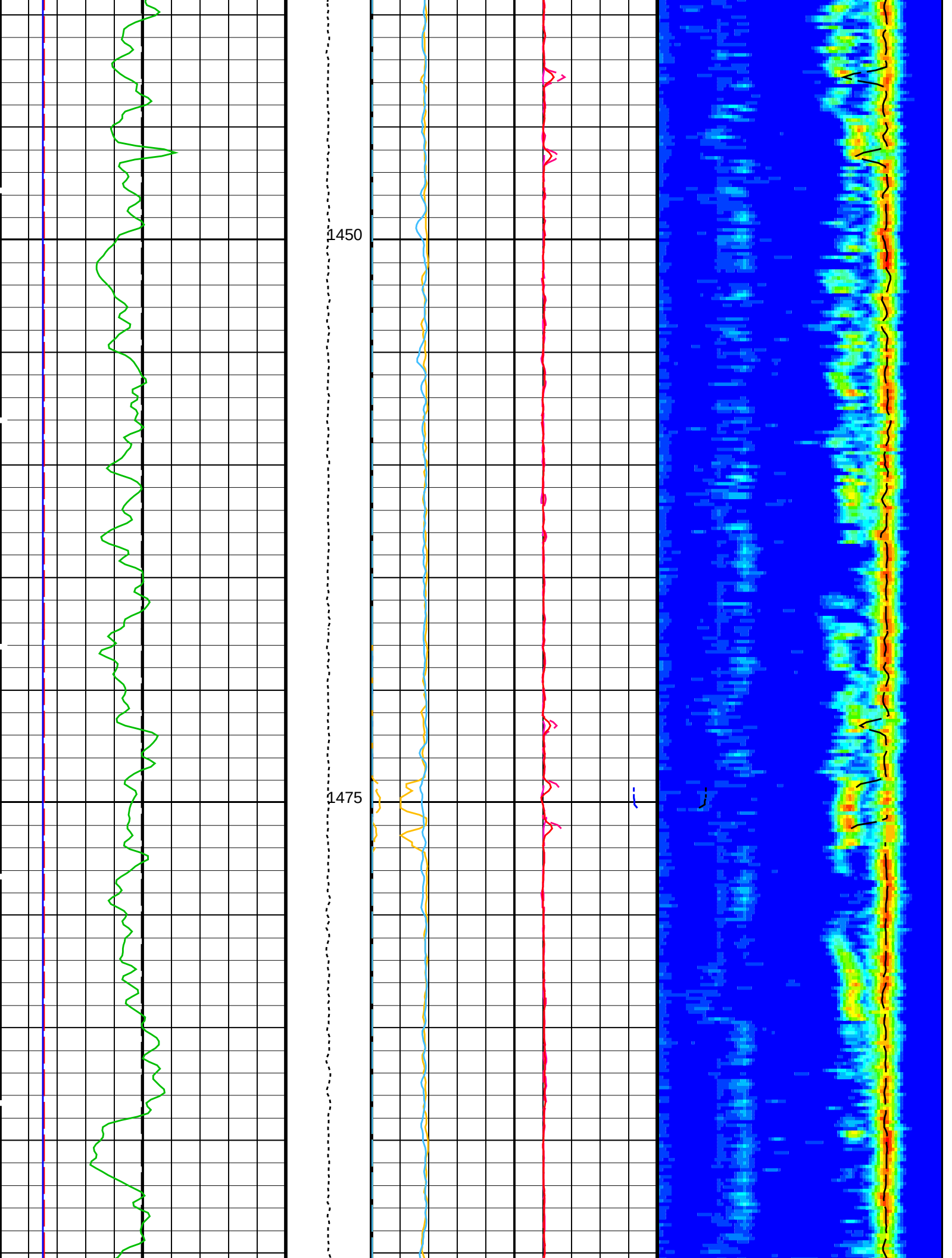
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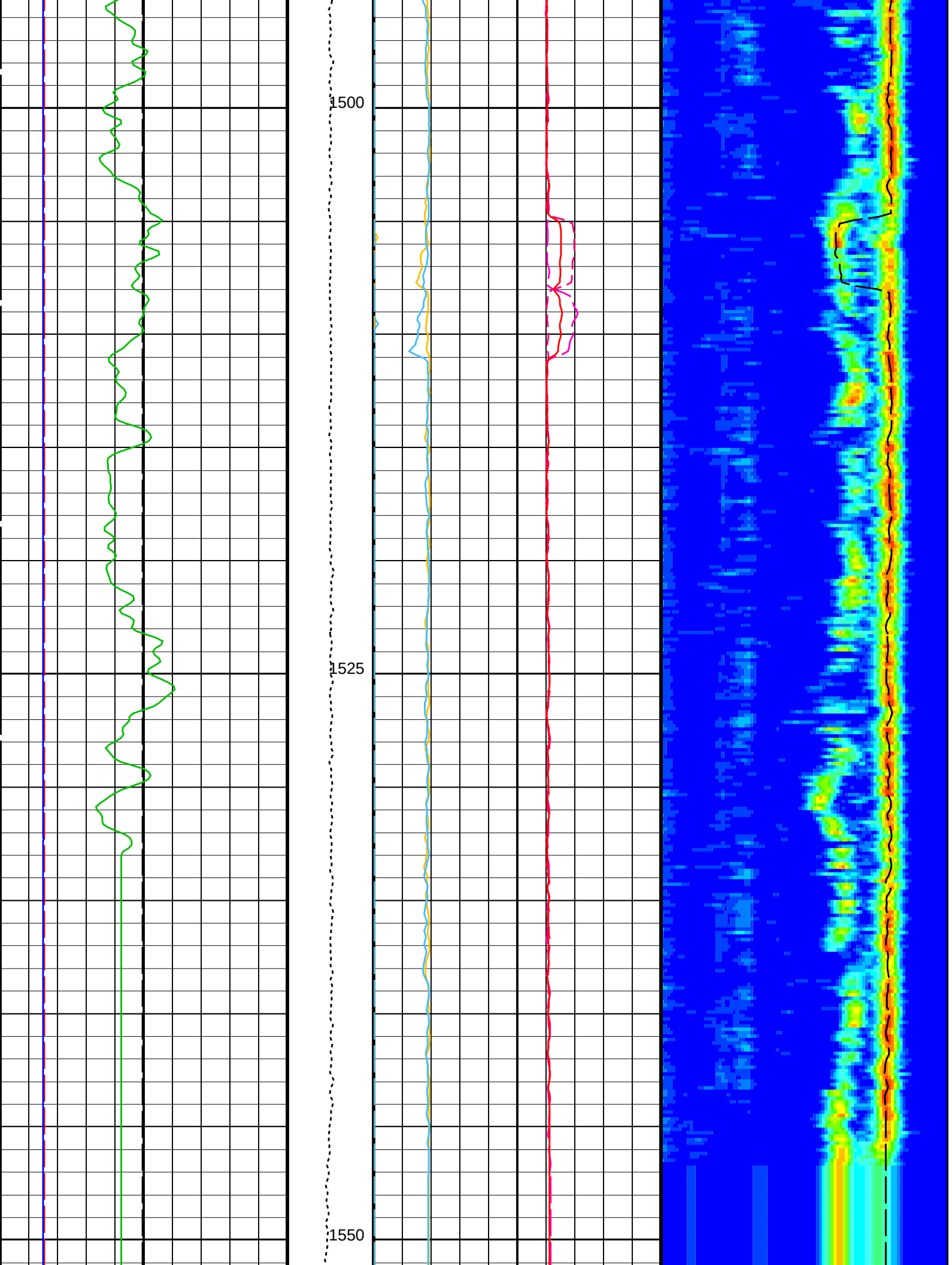
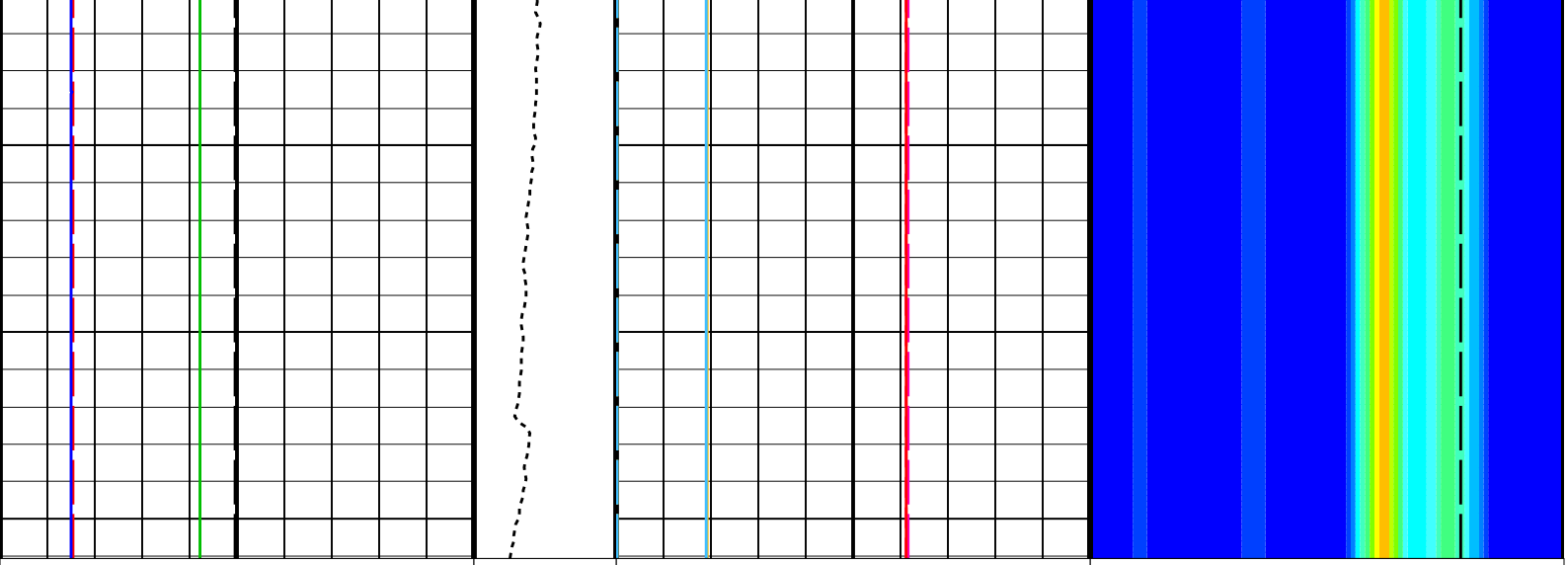

1500
1525
1550



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) 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

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

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	90	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_SHEAR	
LFC	Label Formation Character − Monopole P&S	DYNAMIC	
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	130	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	240	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: 20−Jun−2024 08:39**

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	19C0−187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_039LUP	PRODUCER	20−Jun−2024 08:39	1566.1 M	1161.3 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_040PUP	FN:47	PRODUCER	20−Jun−2024 08:39

Schlumberger

First Pass
1:200 Scale

Output DLIS Files

DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 M
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 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	19C0−187

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

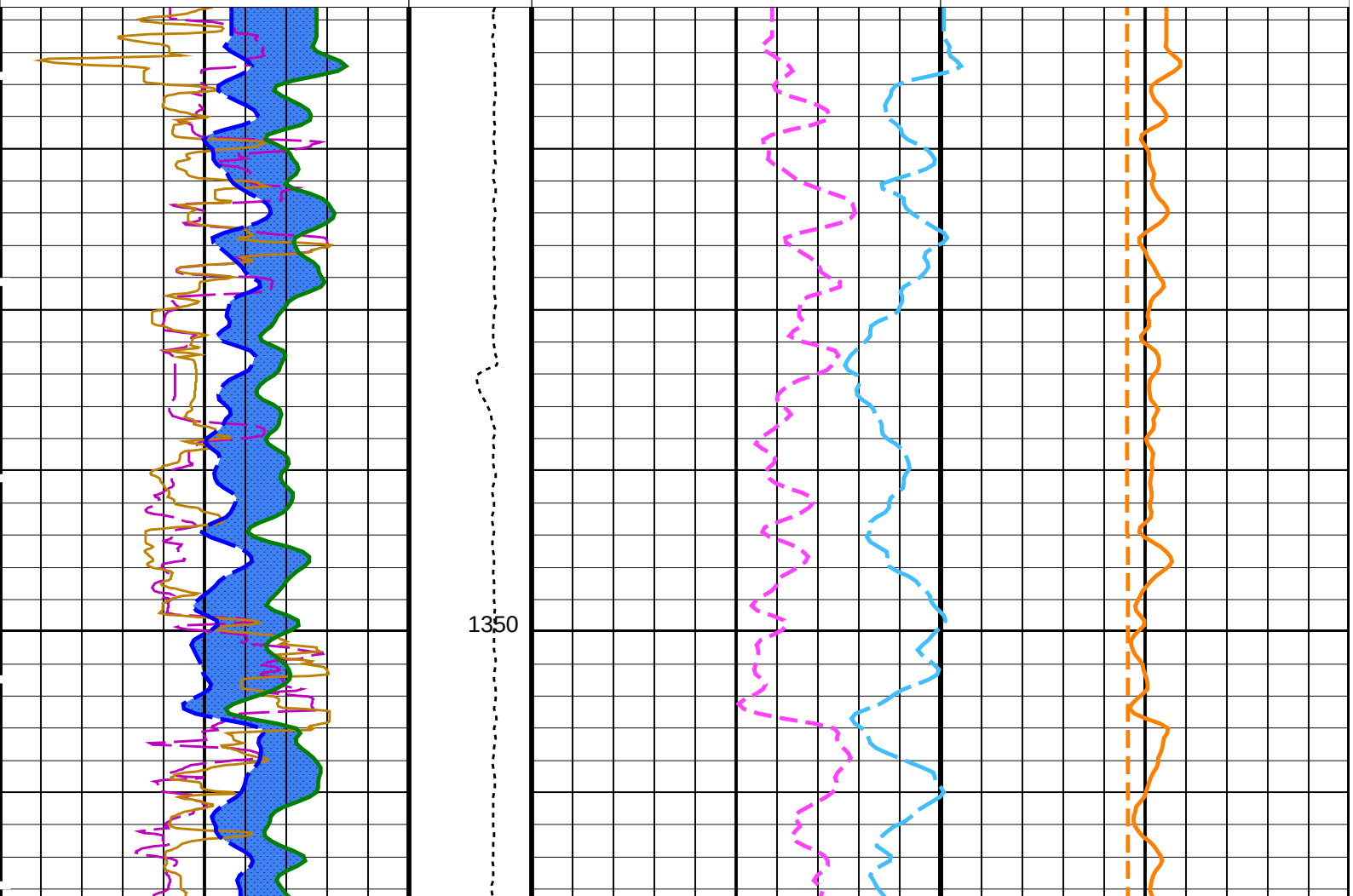
HNGS Uranium (HURA)
−5 (PPM) 10

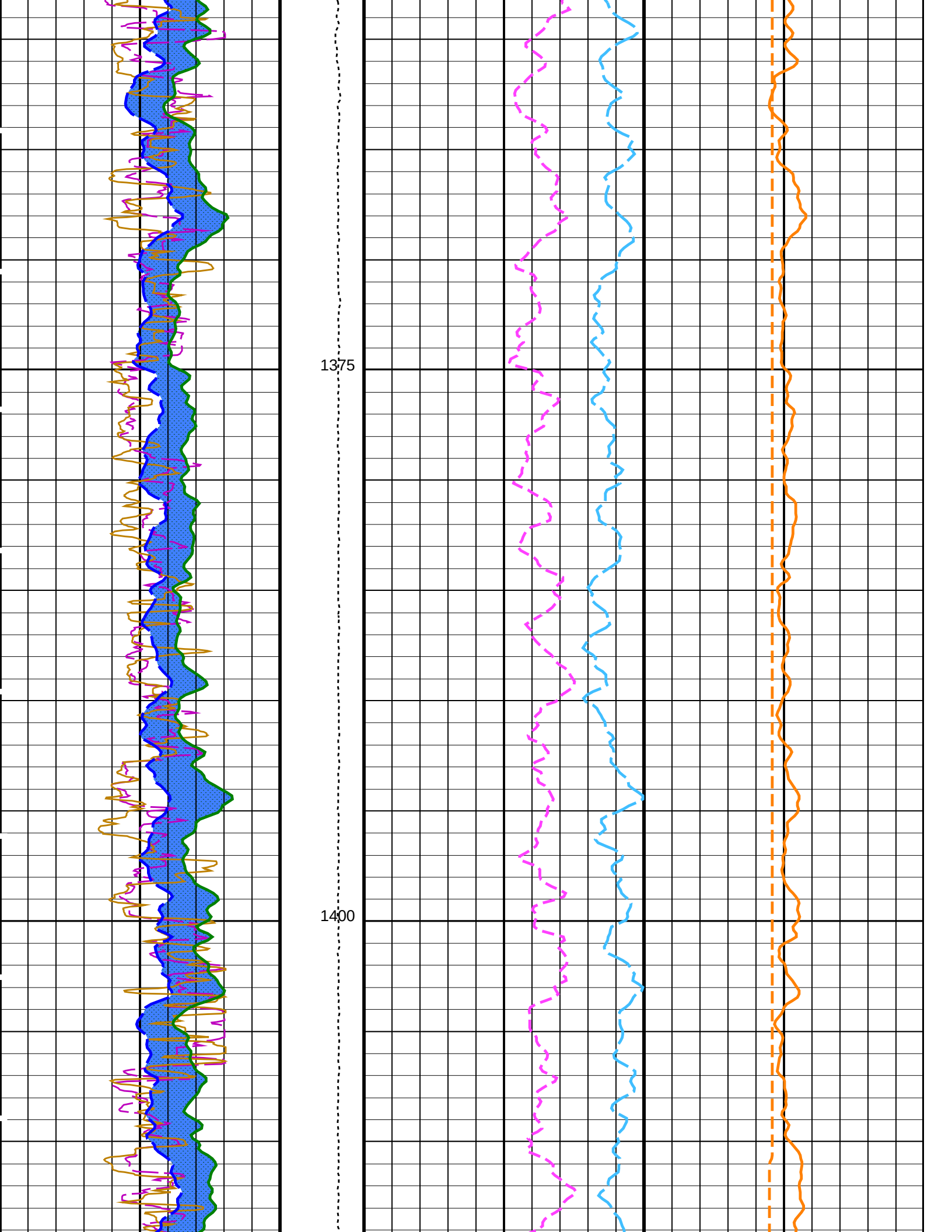
Caliper 1 (C1)
6 (IN) 16

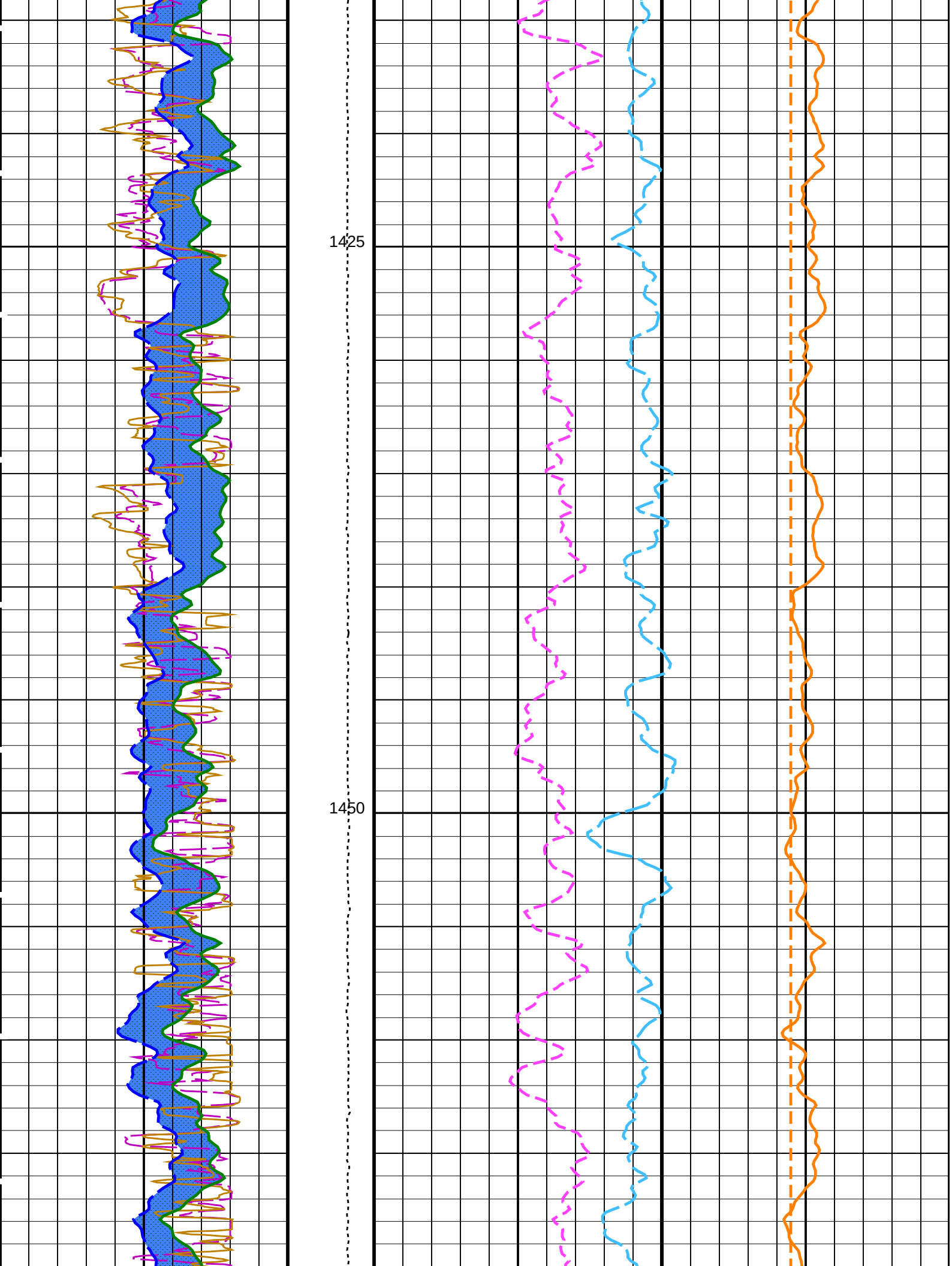
Tension (TENS) (LBF)
10000 0

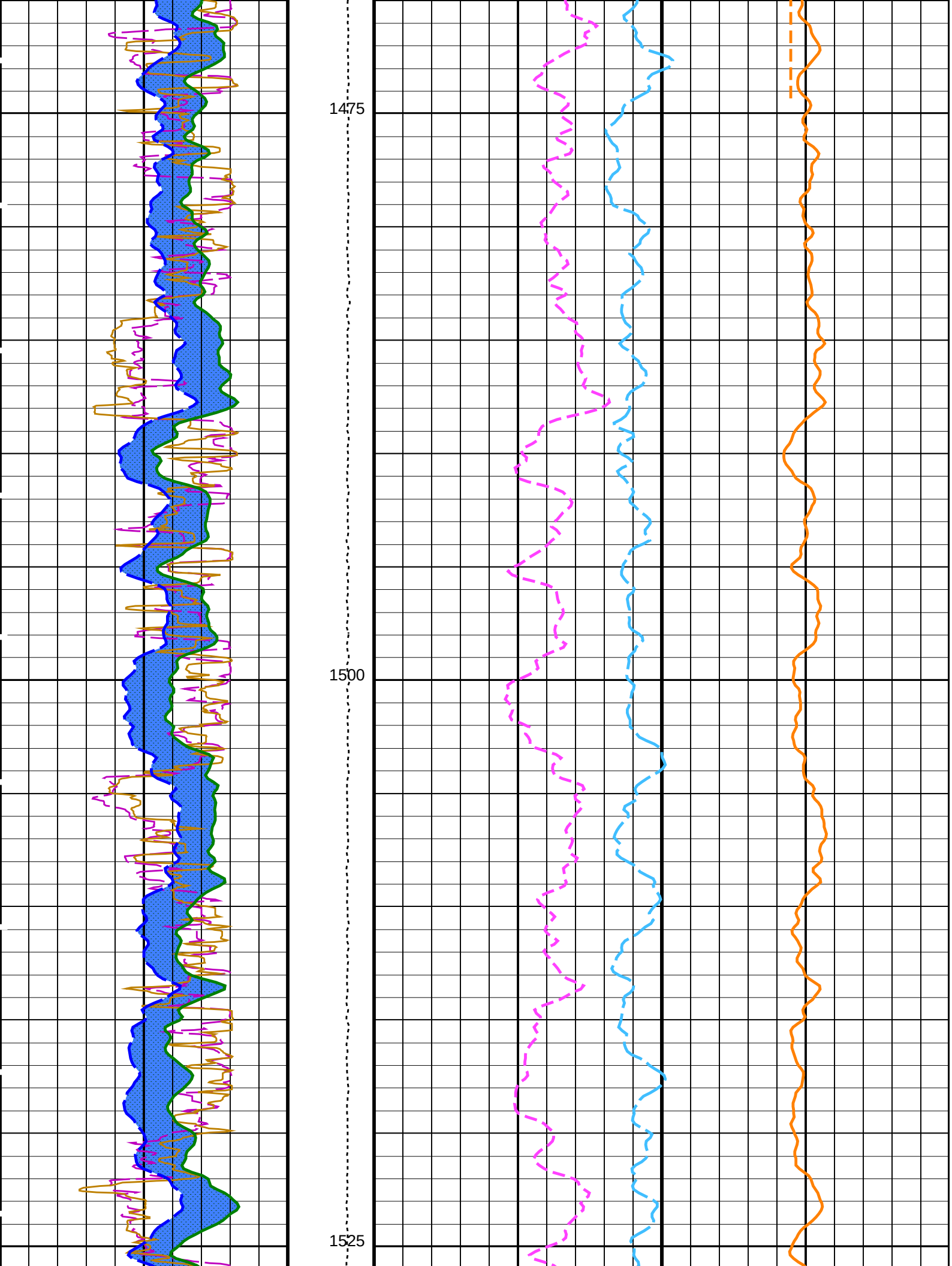
HNGS Thorium (HTHO)
−1 (PPM) 14

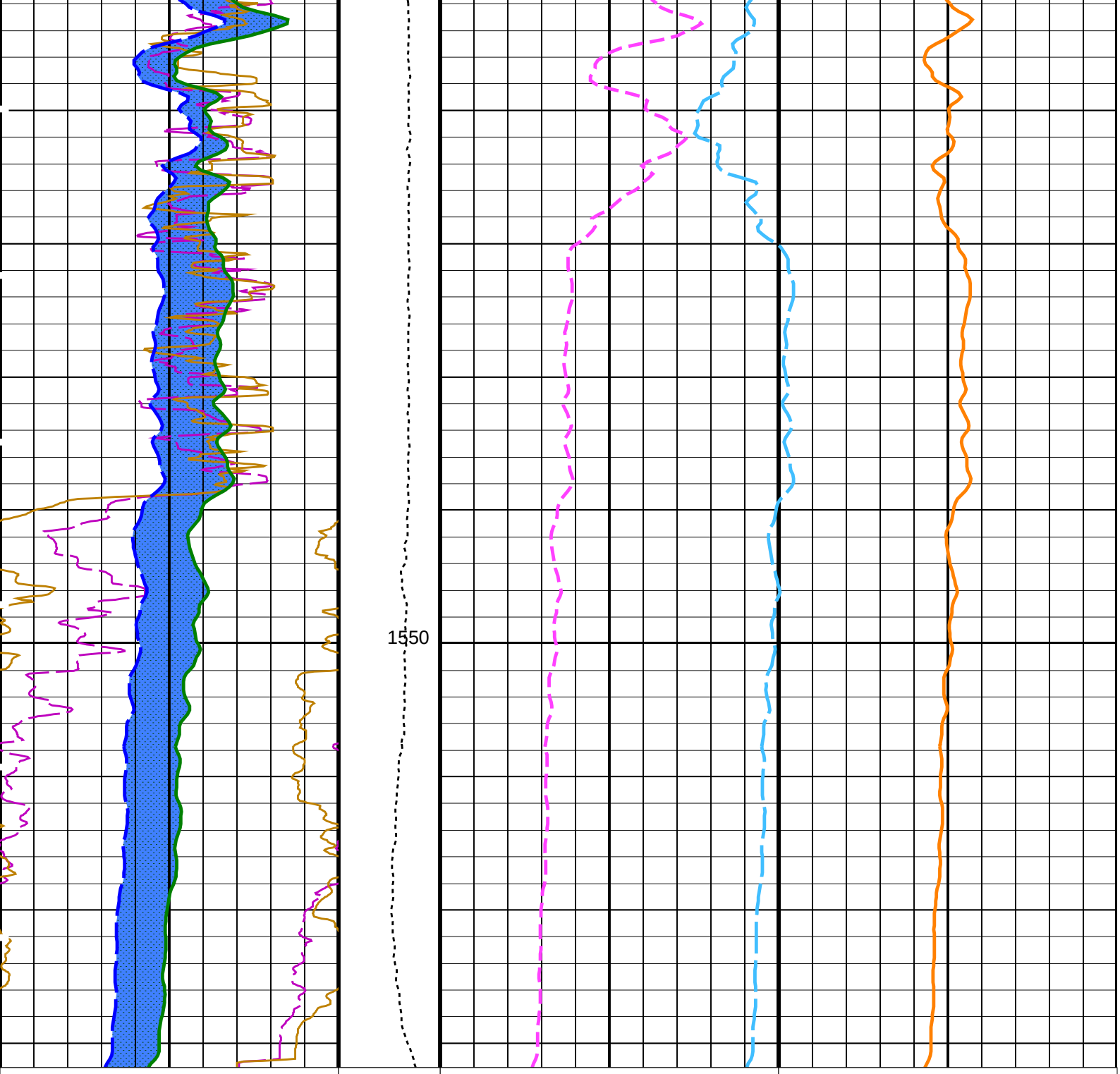
HNGS Potassium (HFK)
−0.01 (−−−−) 0.04




1375
1400


1425
1450


1475
1500
1525



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

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	−0.00744079	
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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	−0.162472	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.912328	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 20−Jun−2024 00:11

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	19C0−187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11		
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11		

Output DLIS Files

DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 M
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 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	19C0−187

PIP SUMMARY

Time Mark Every 60 S

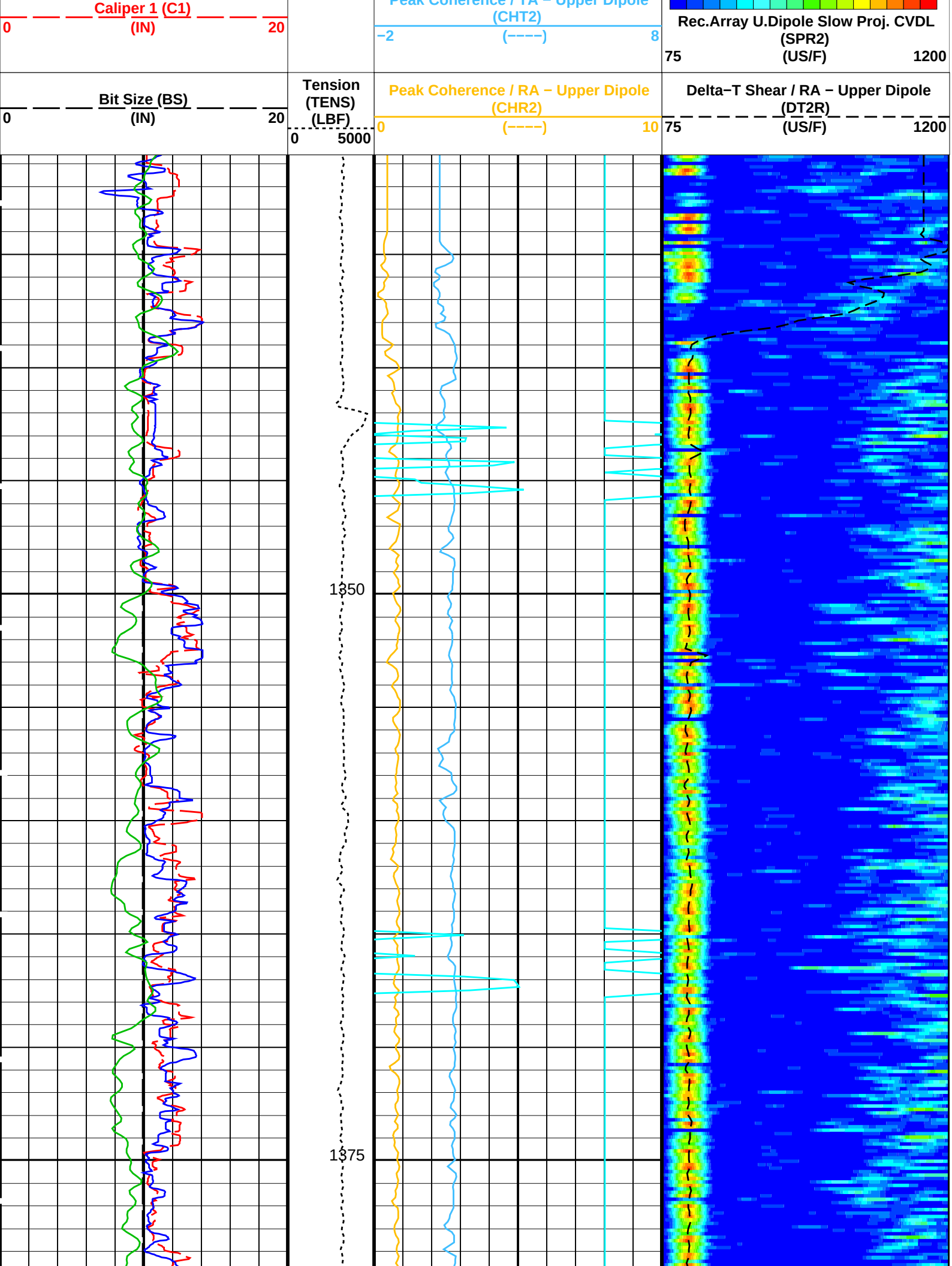
Gamma Ray (GR_EDTC)		
0	(GAPI)	150

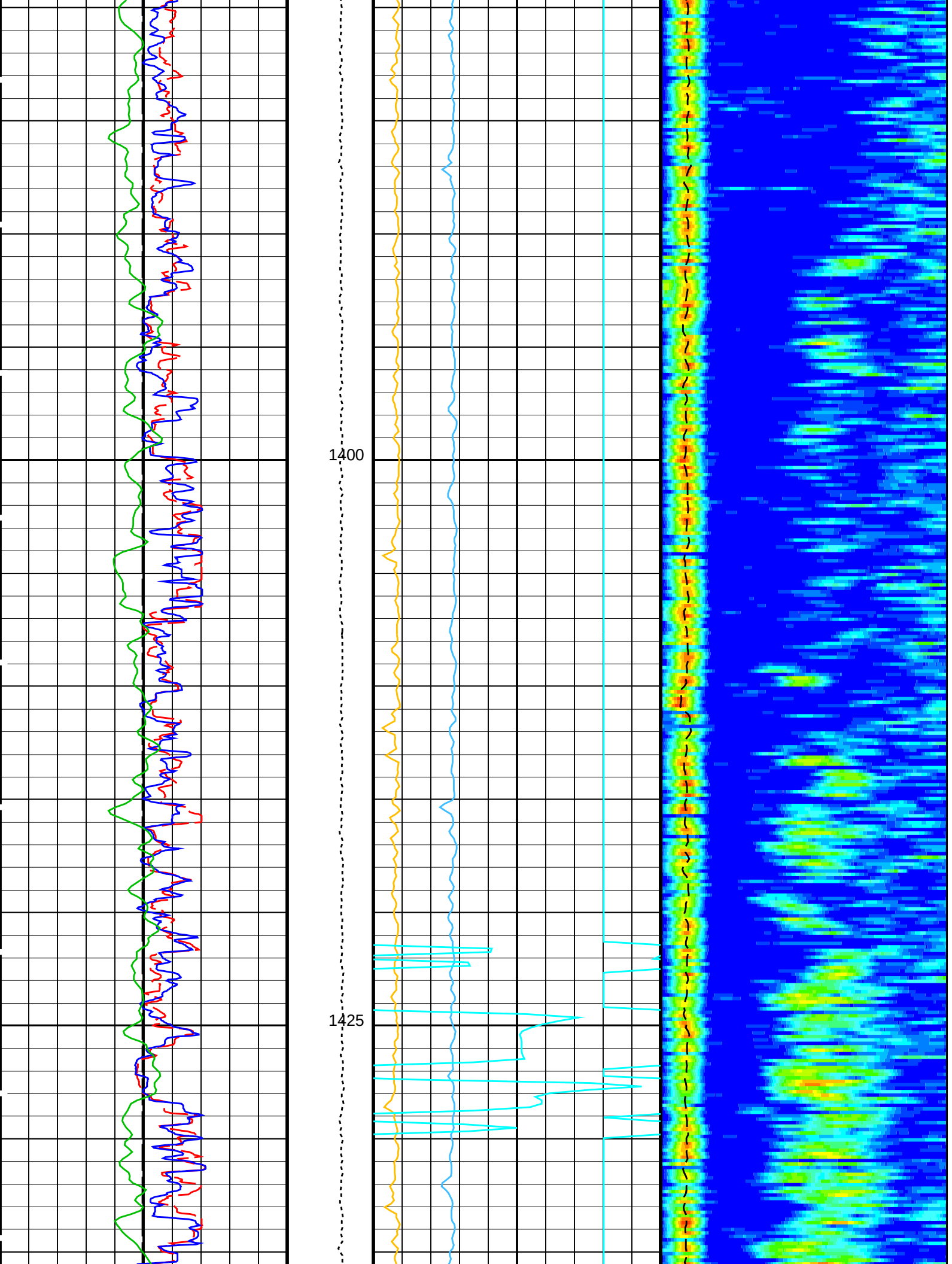
Caliper 2 (C2)		
0	(IN)	20

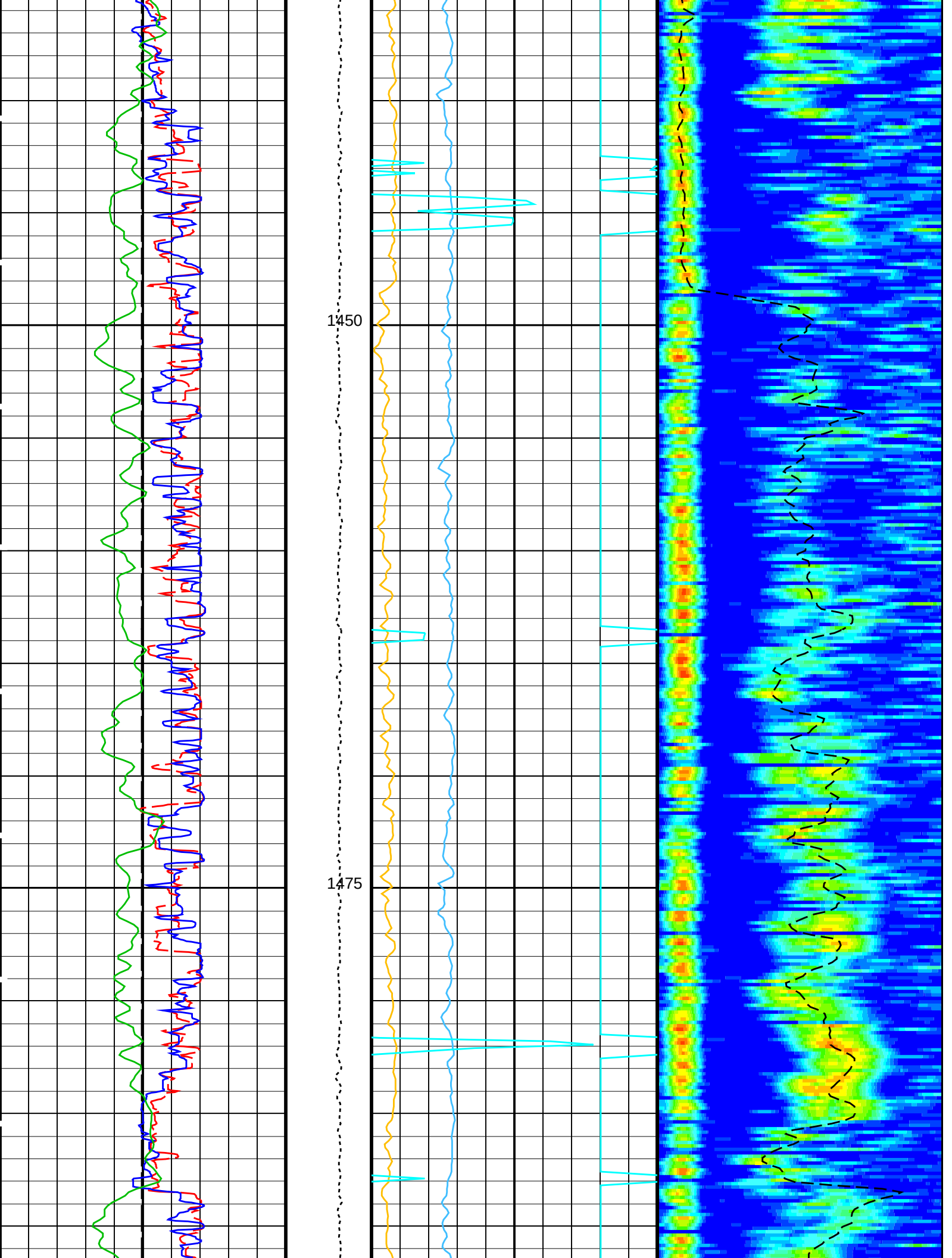
Sonic Velocity (SVEL)		
1000	(M/S)	6000

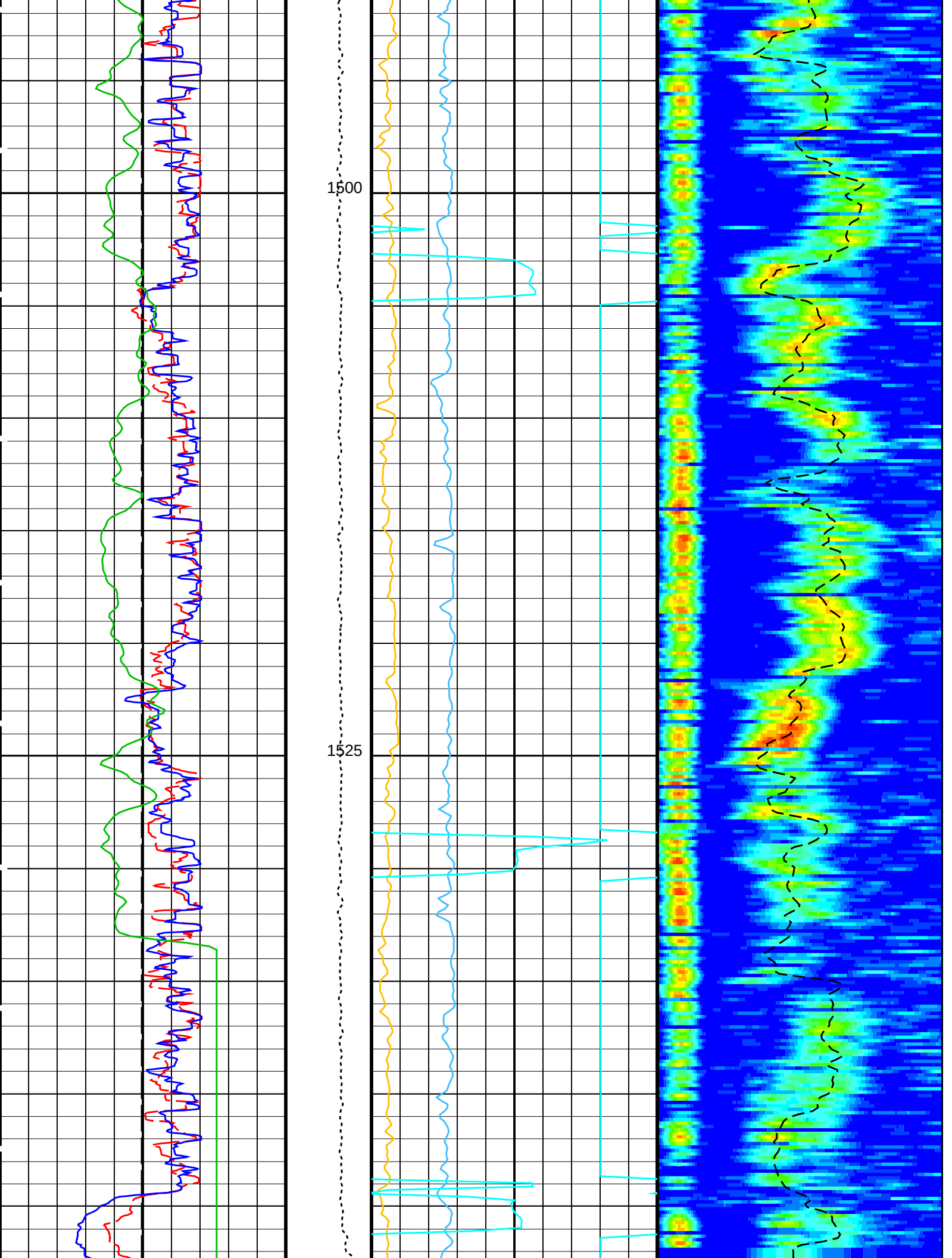
Min Amplitude Max

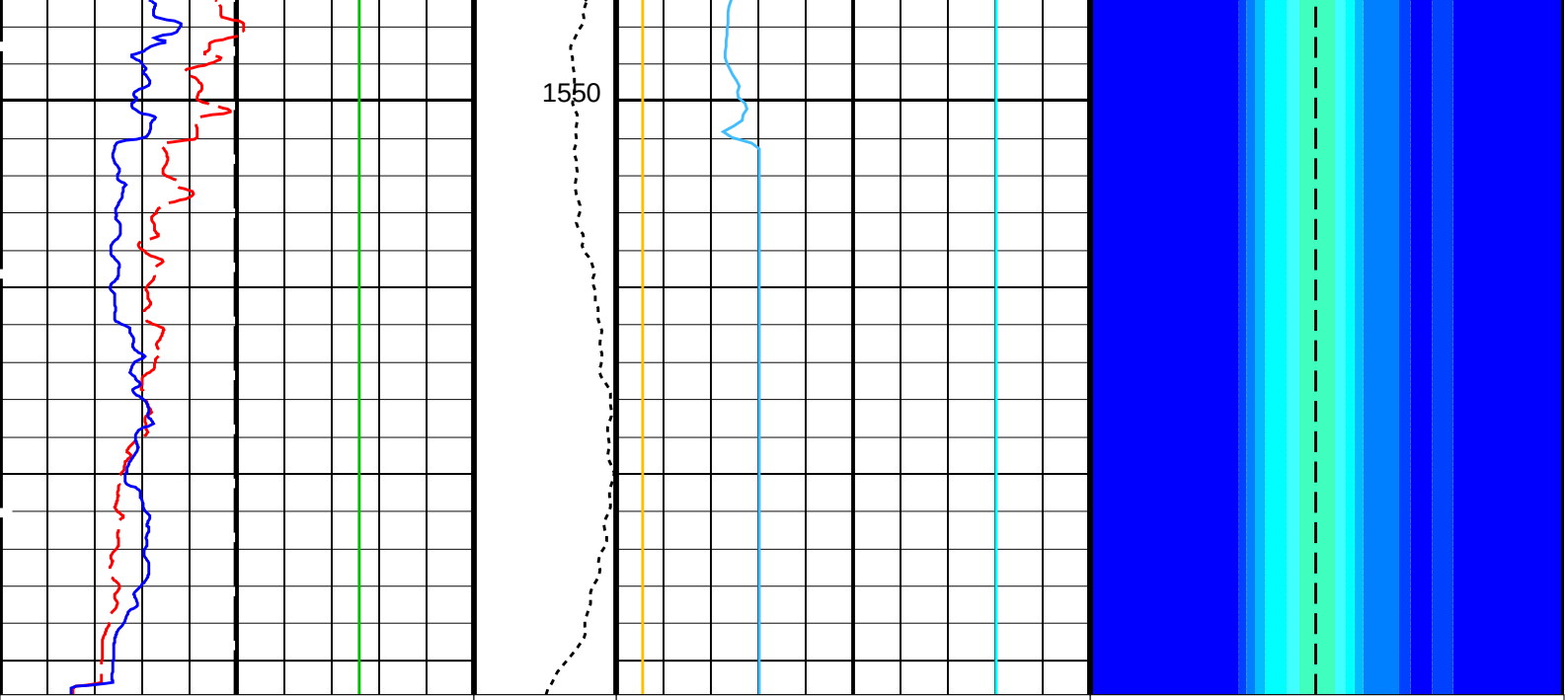
Peak Coherence / TA − Upper Dipole


Caliper 1 (C1)
0
(IN)
20
Peak Coherence / TA − Upper Dipole
(CHT2)
−2
(−−−−)
8
Rec.Array U.Dipole Slow Proj. CVDL
(SPR2)
75
(US/F)
1200
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
1350
1375


1400
1425


1450
1475


1500
1525



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	40	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	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: 20−Jun−2024 00:11

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	19C0−187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11		
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11		

Output DLIS Files

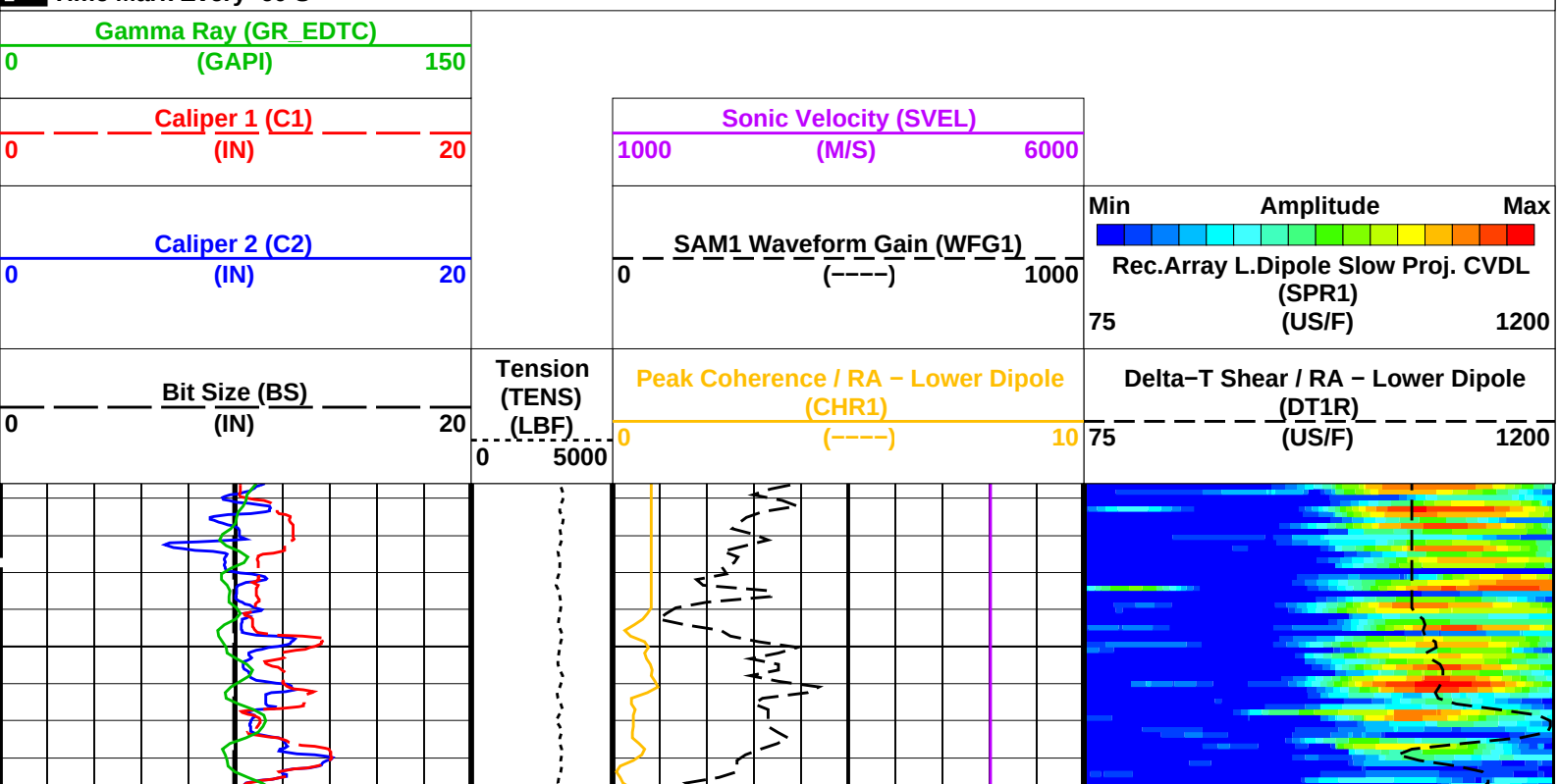
DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 M
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 M

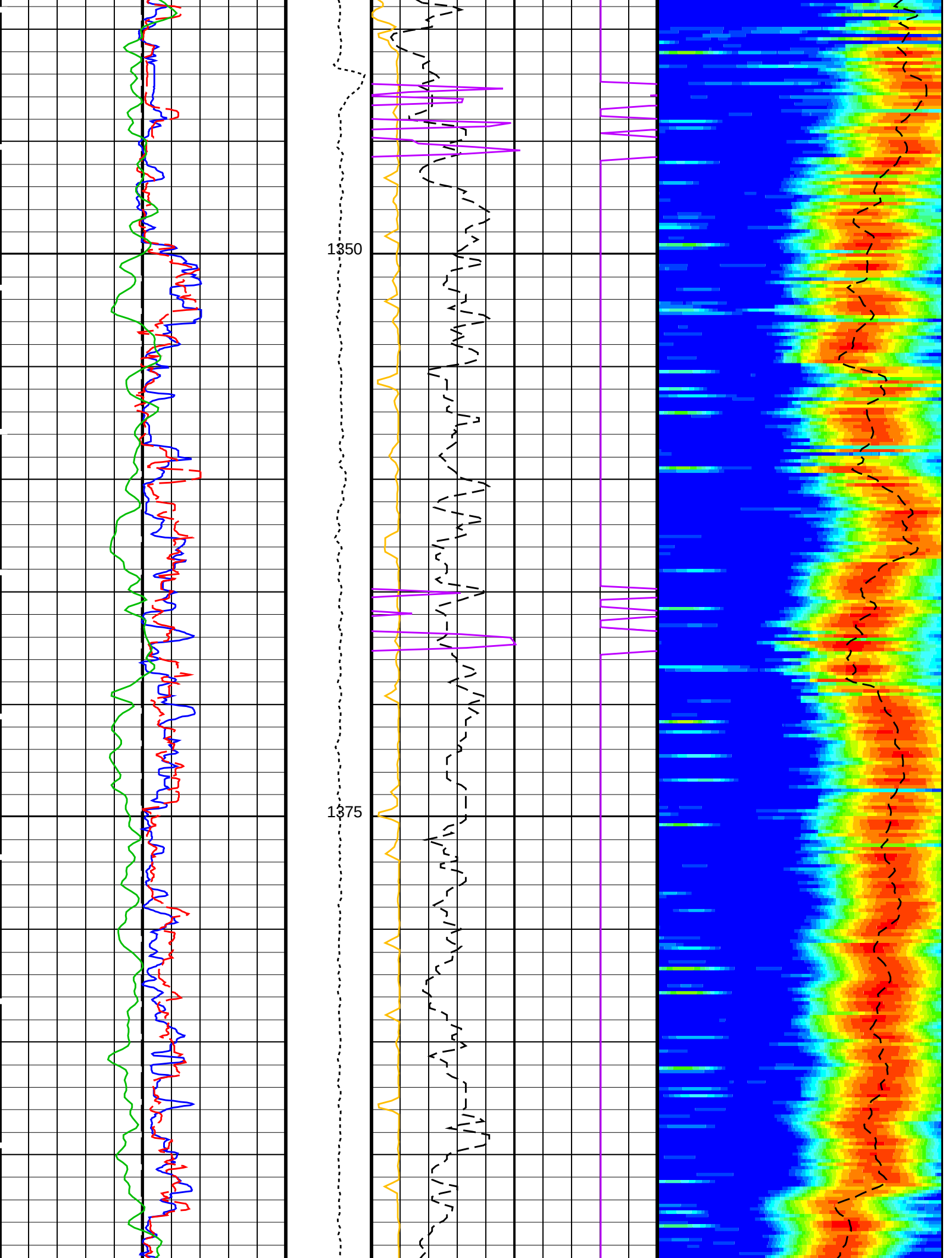
OP System Version: 19C0−187

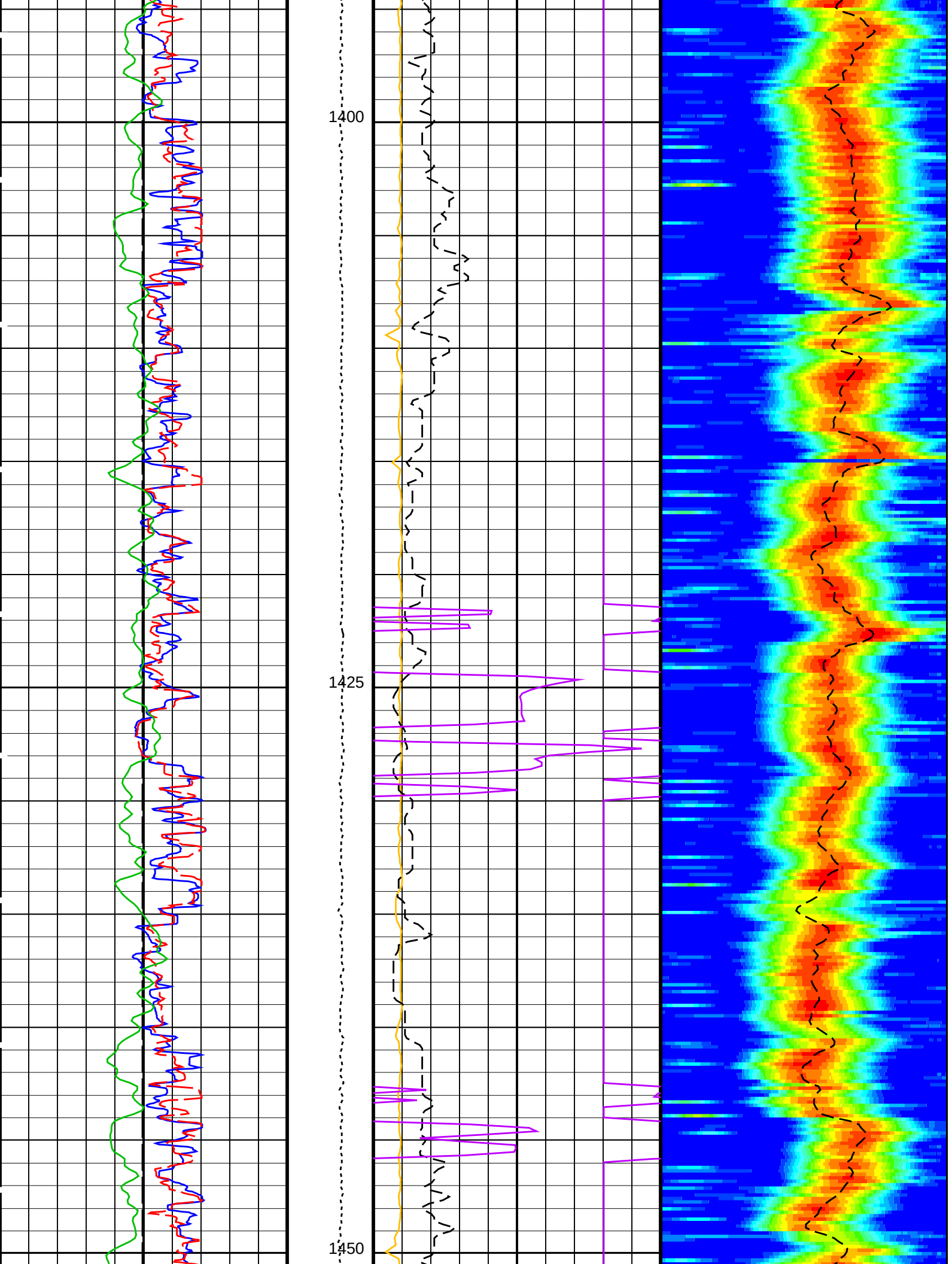
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	19C0−187

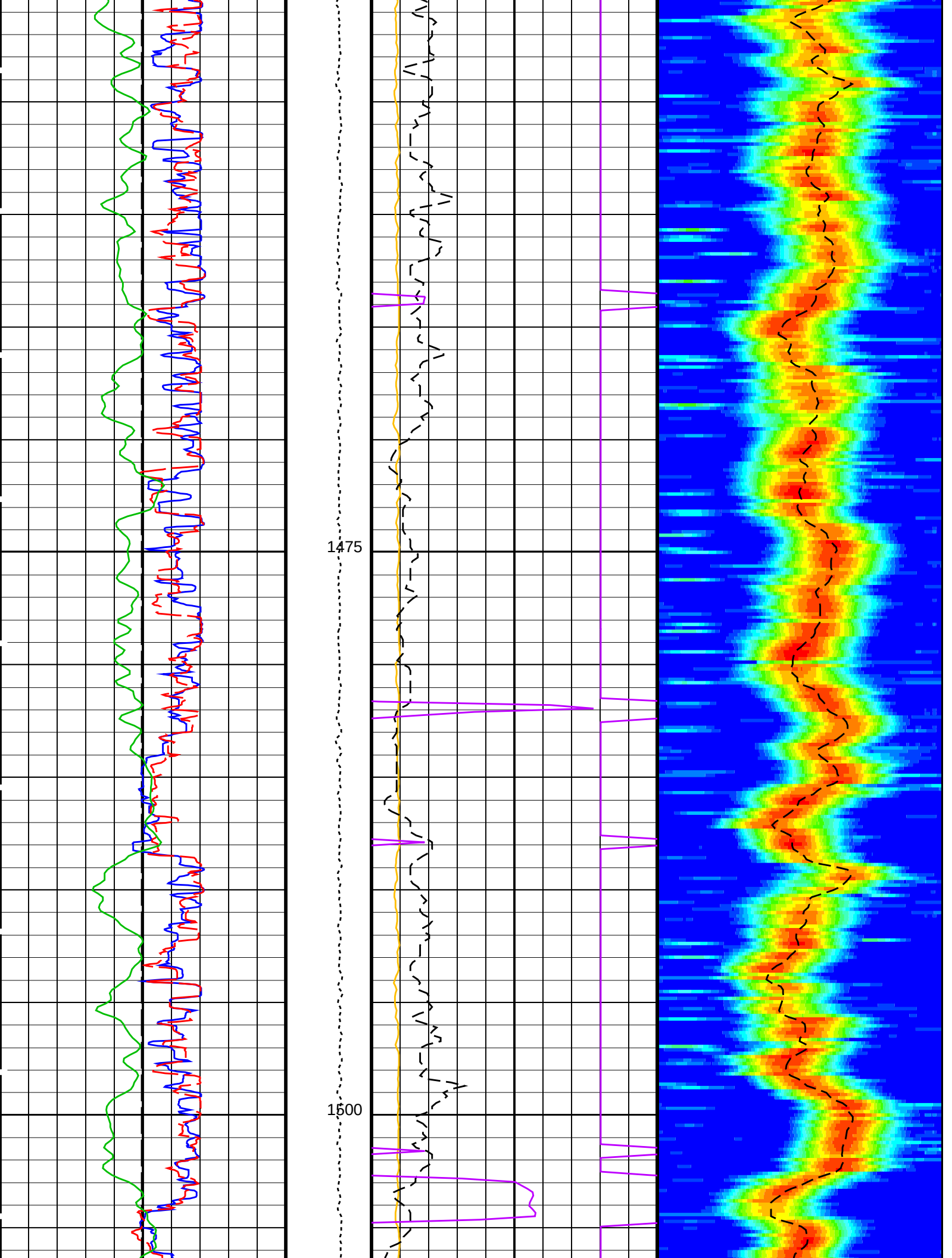
PIP SUMMARY

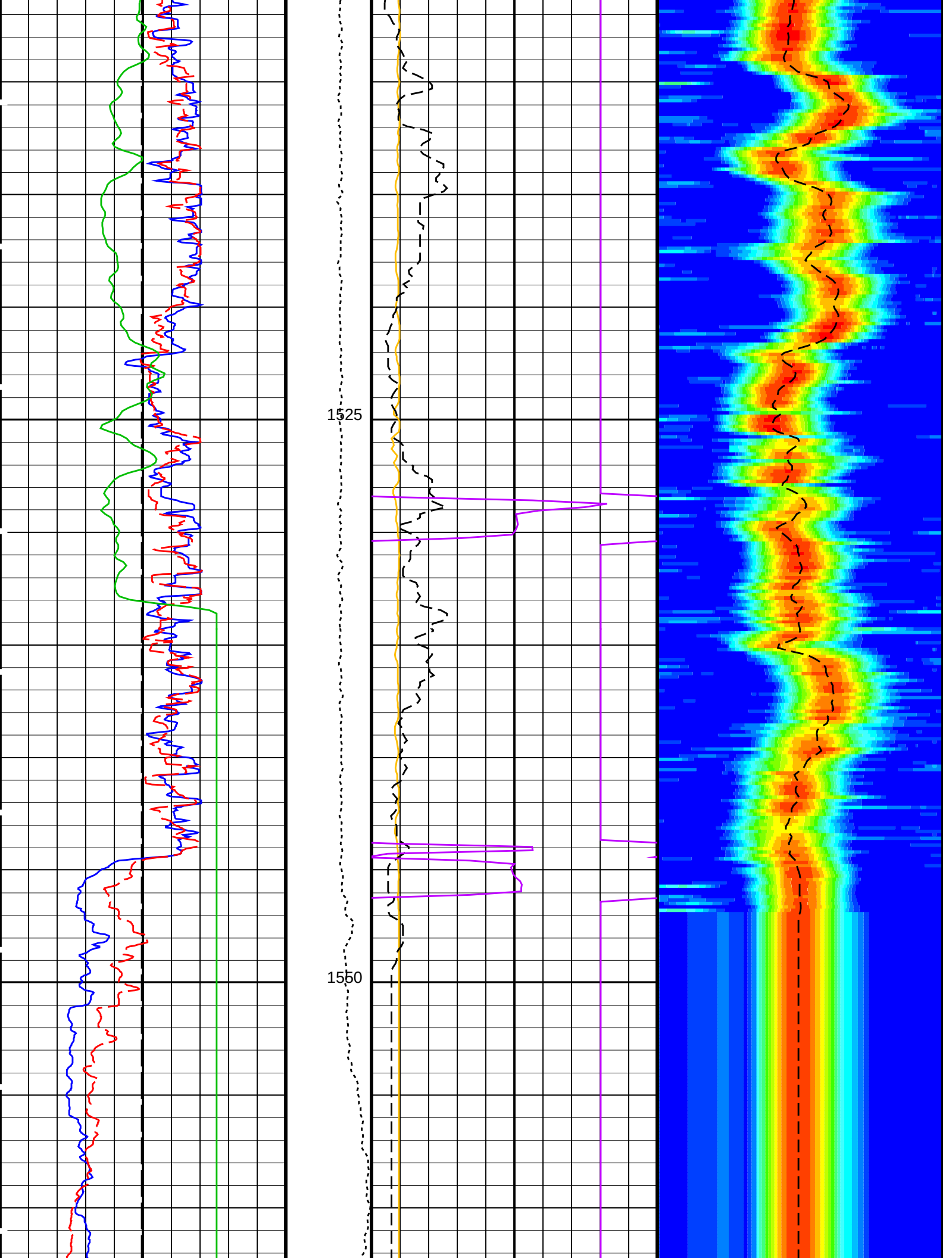
Time Mark Every 60 S

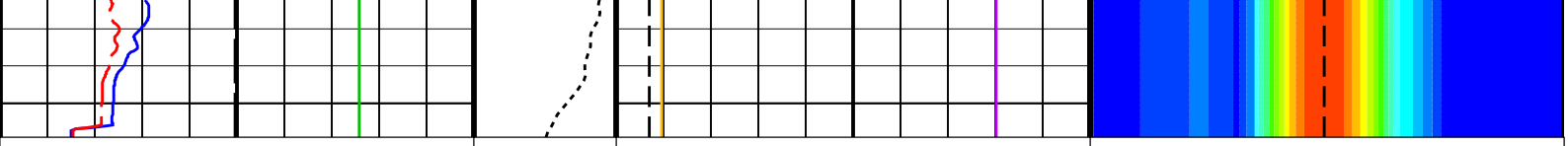



1350
1375


1400
1425
1450


1475
1500


1525
1550



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	40	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 − Lower Dipole Mode	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: 20−Jun−2024 00:11

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	19C0−187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11	
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11	

Company: International Ocean Discovery Program | Well: Expedition 403, Site U1618B

Output DLIS Files

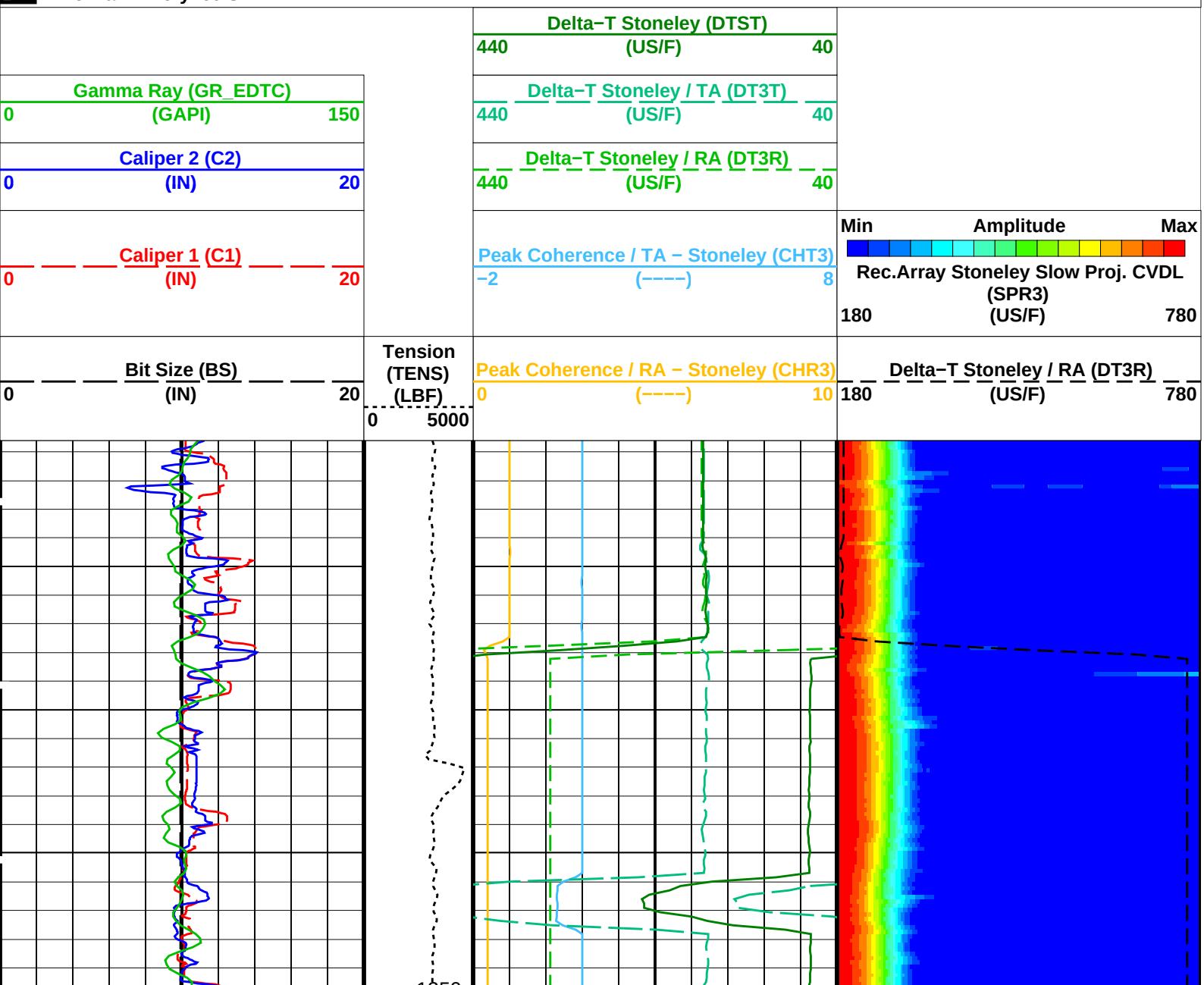
DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 M
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 M

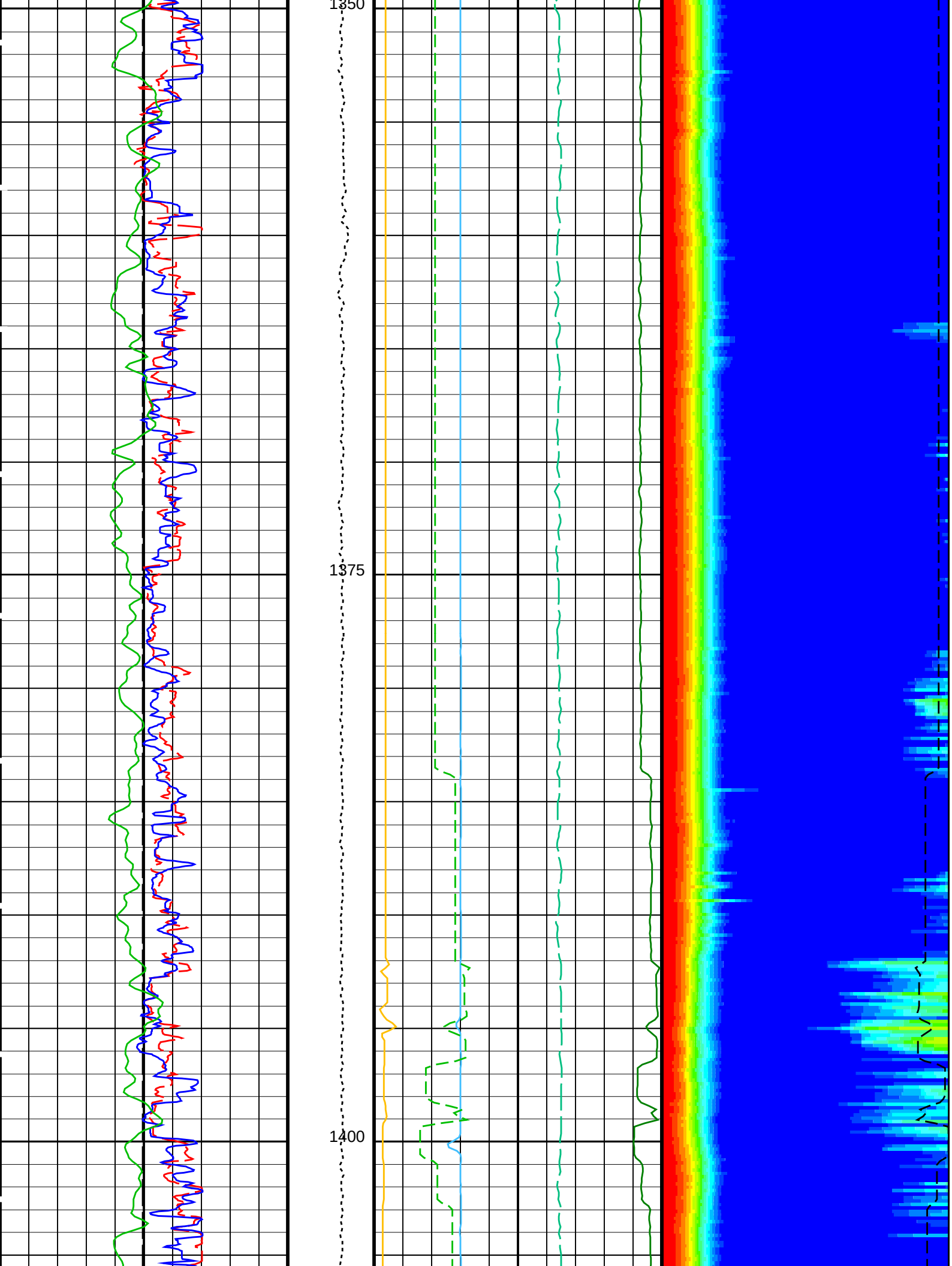
OP System Version: 19C0−187

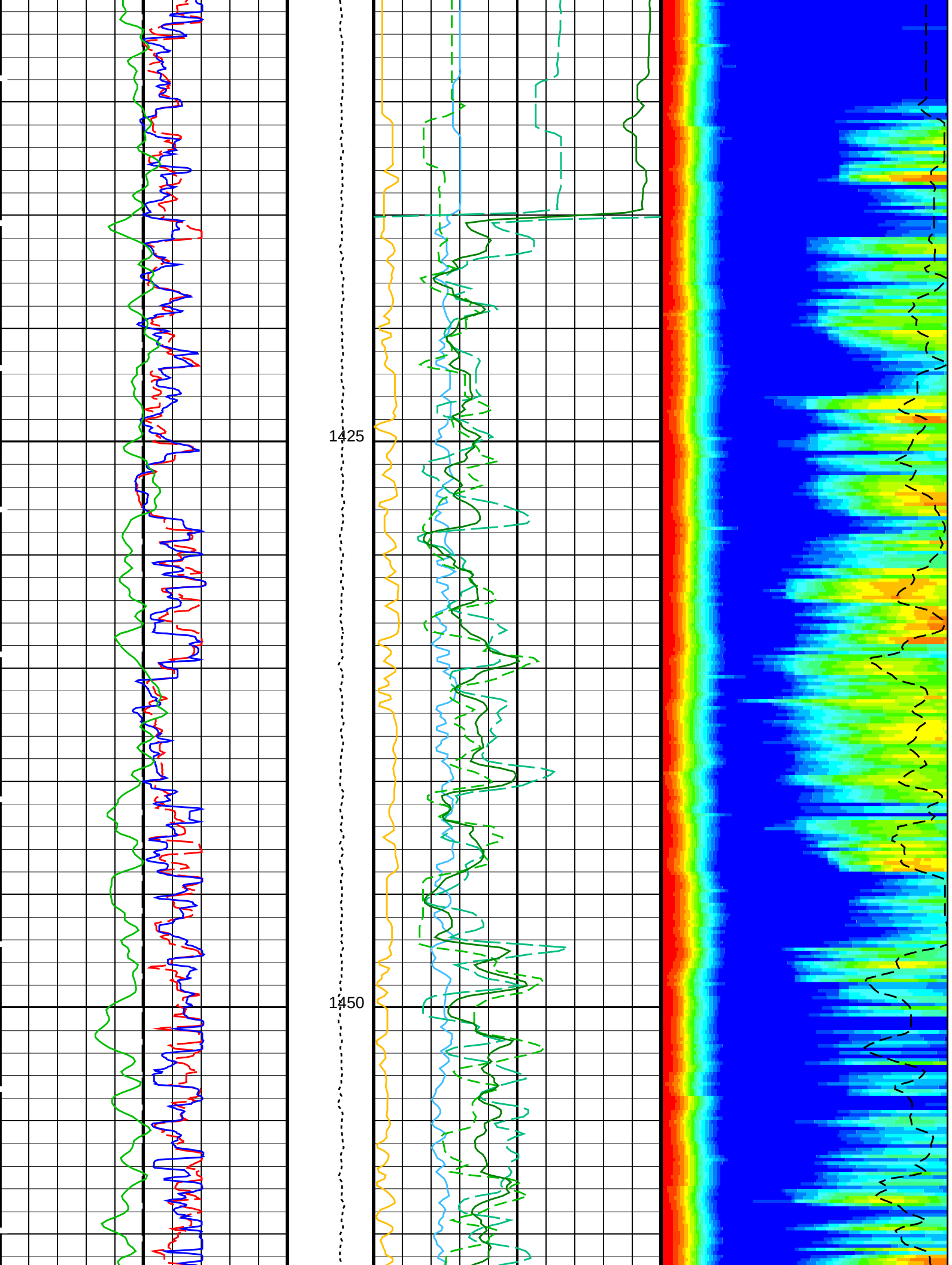
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	19C0−187

PIP SUMMARY

Time Mark Every 60 S




1350
1375
1400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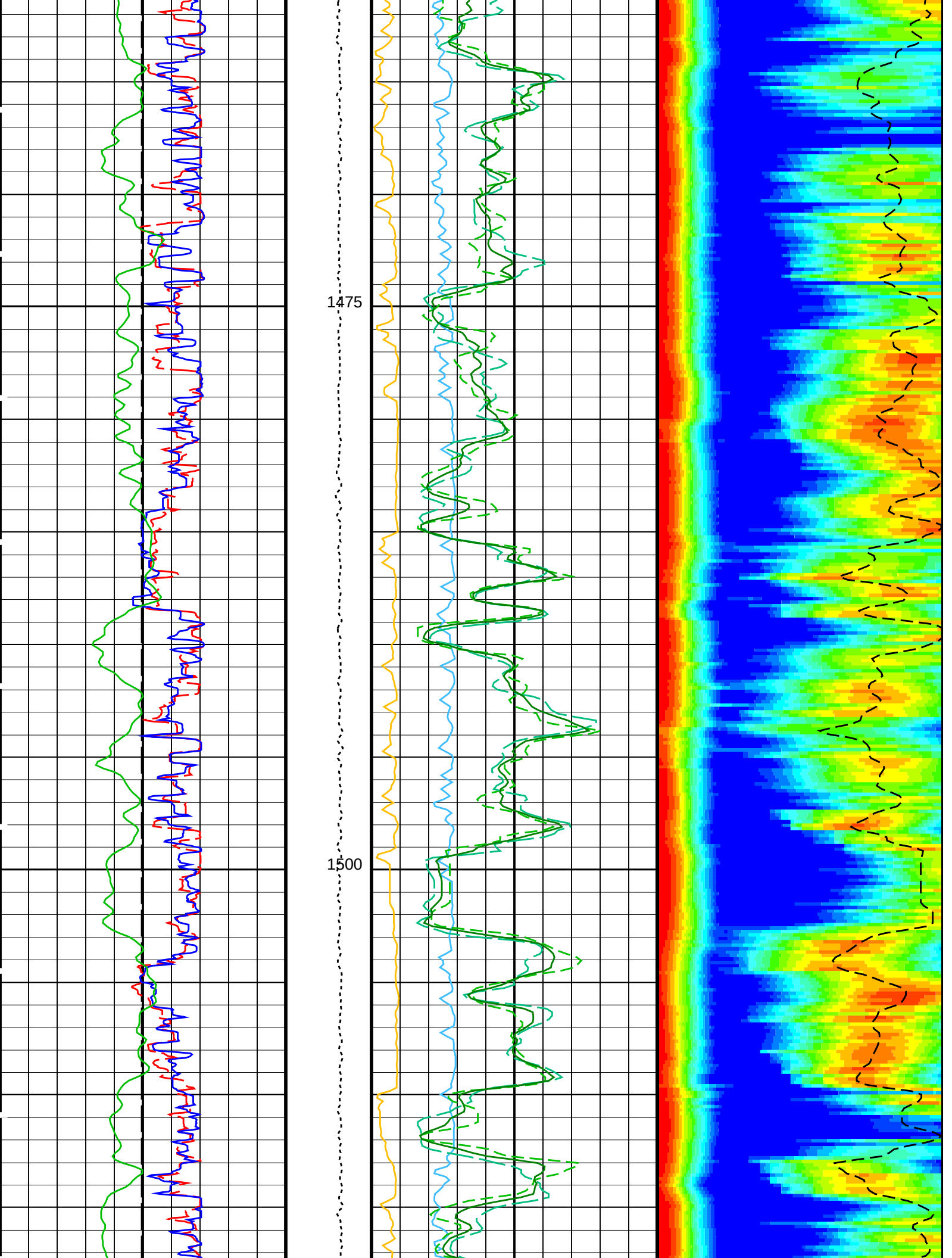
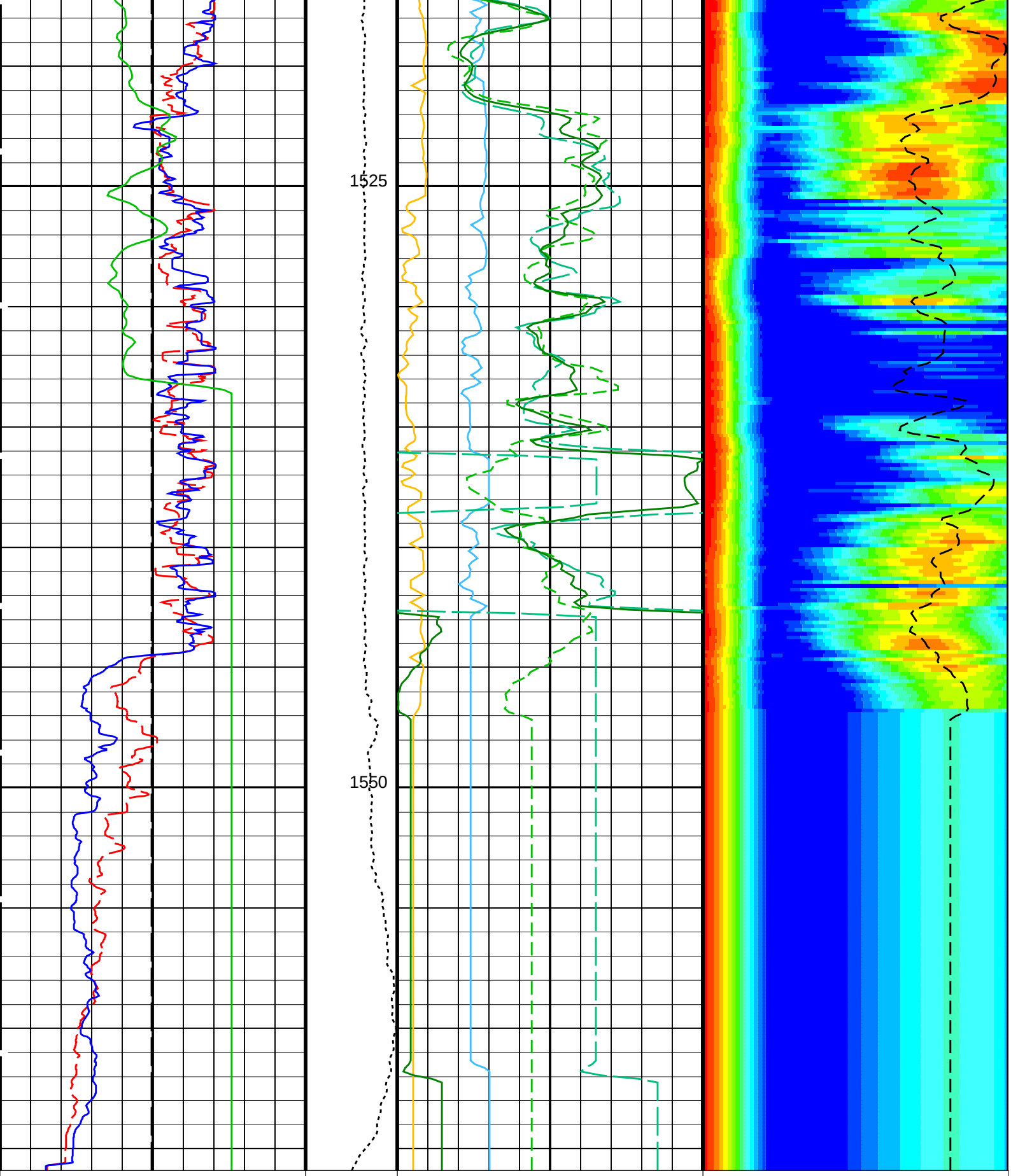
1450


1475
1500



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

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
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: 20−Jun−2024 00:11**

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	19C0−187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11

Output DLIS Files

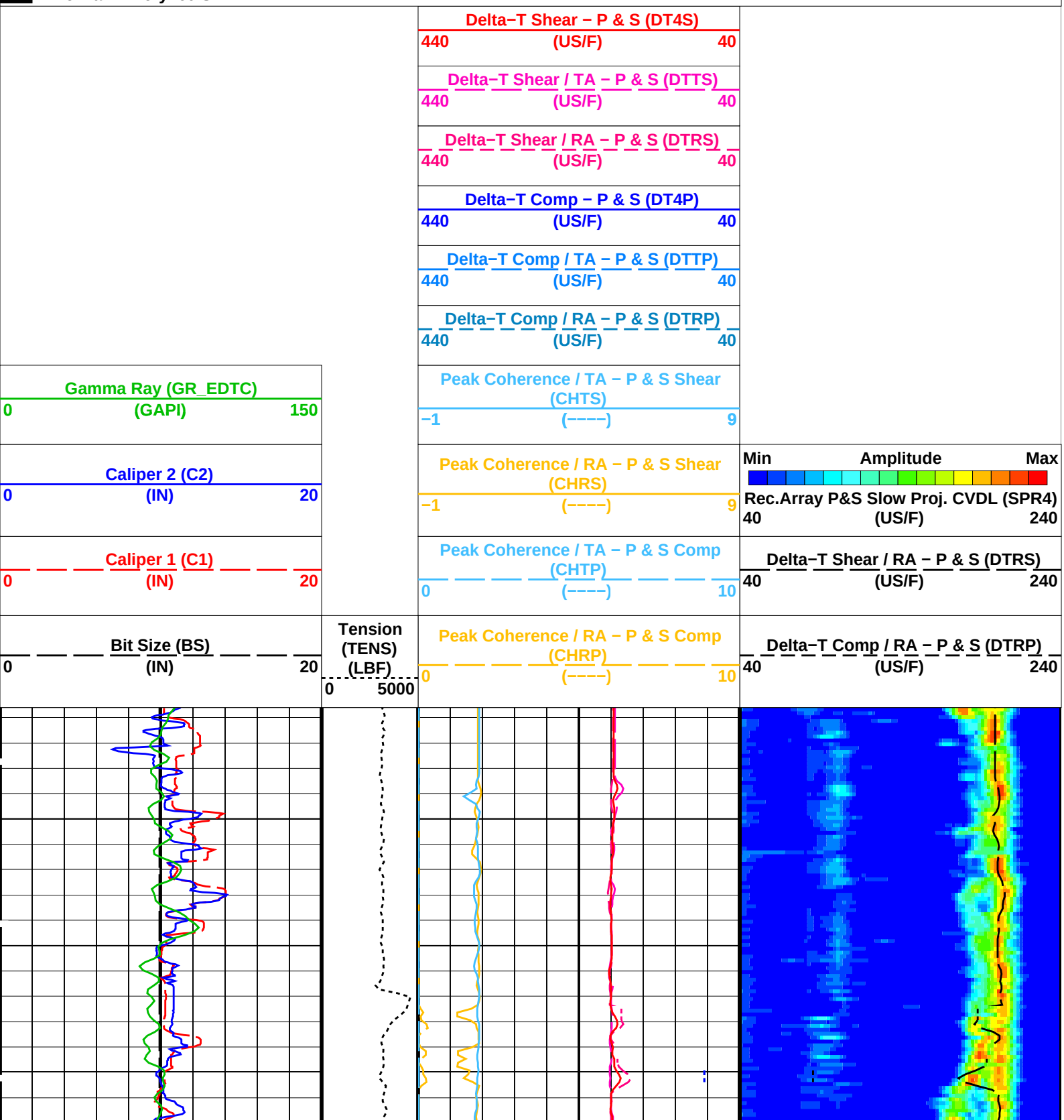
DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 M
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 M

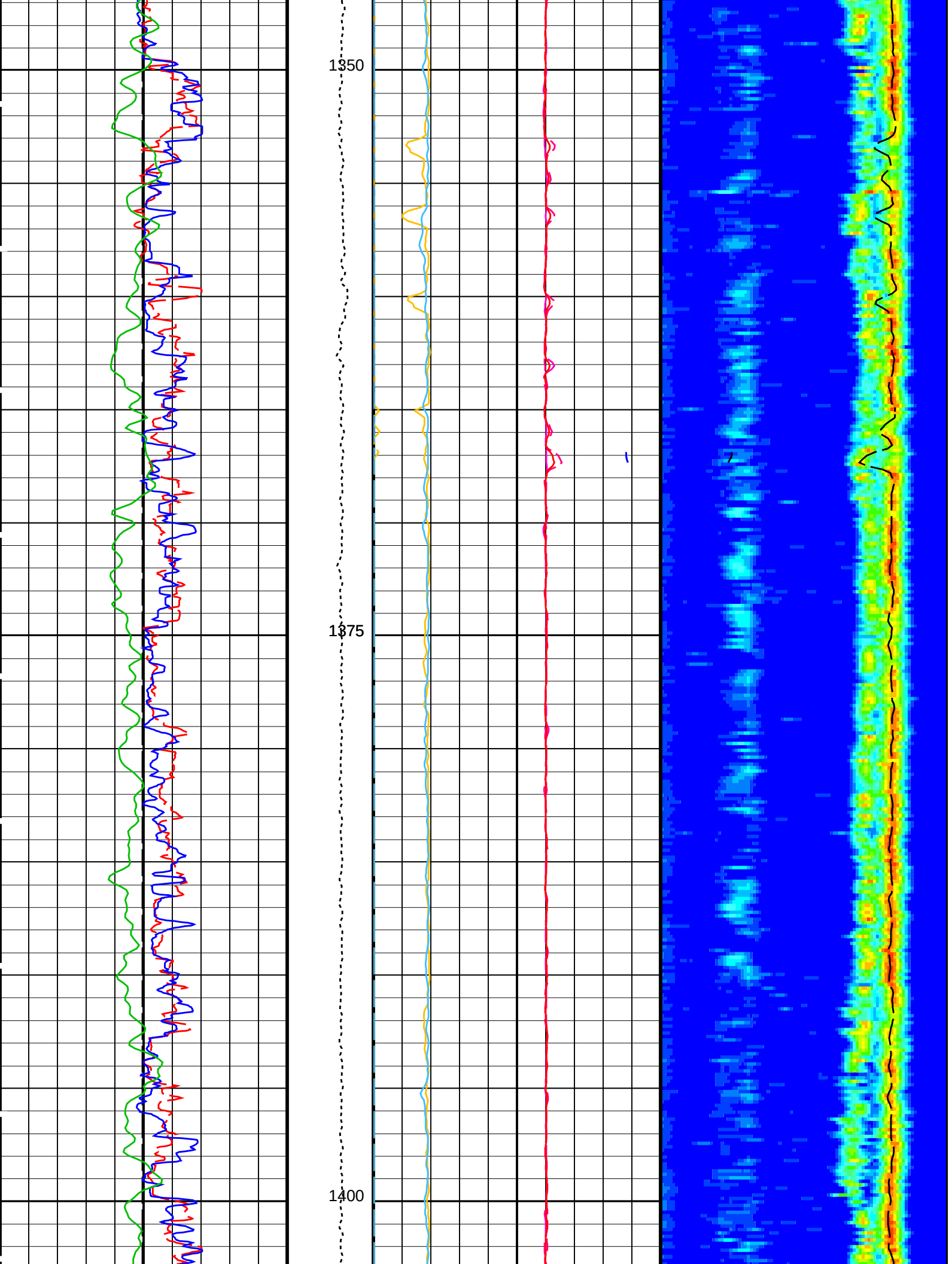
OP System Version: 19C0−187

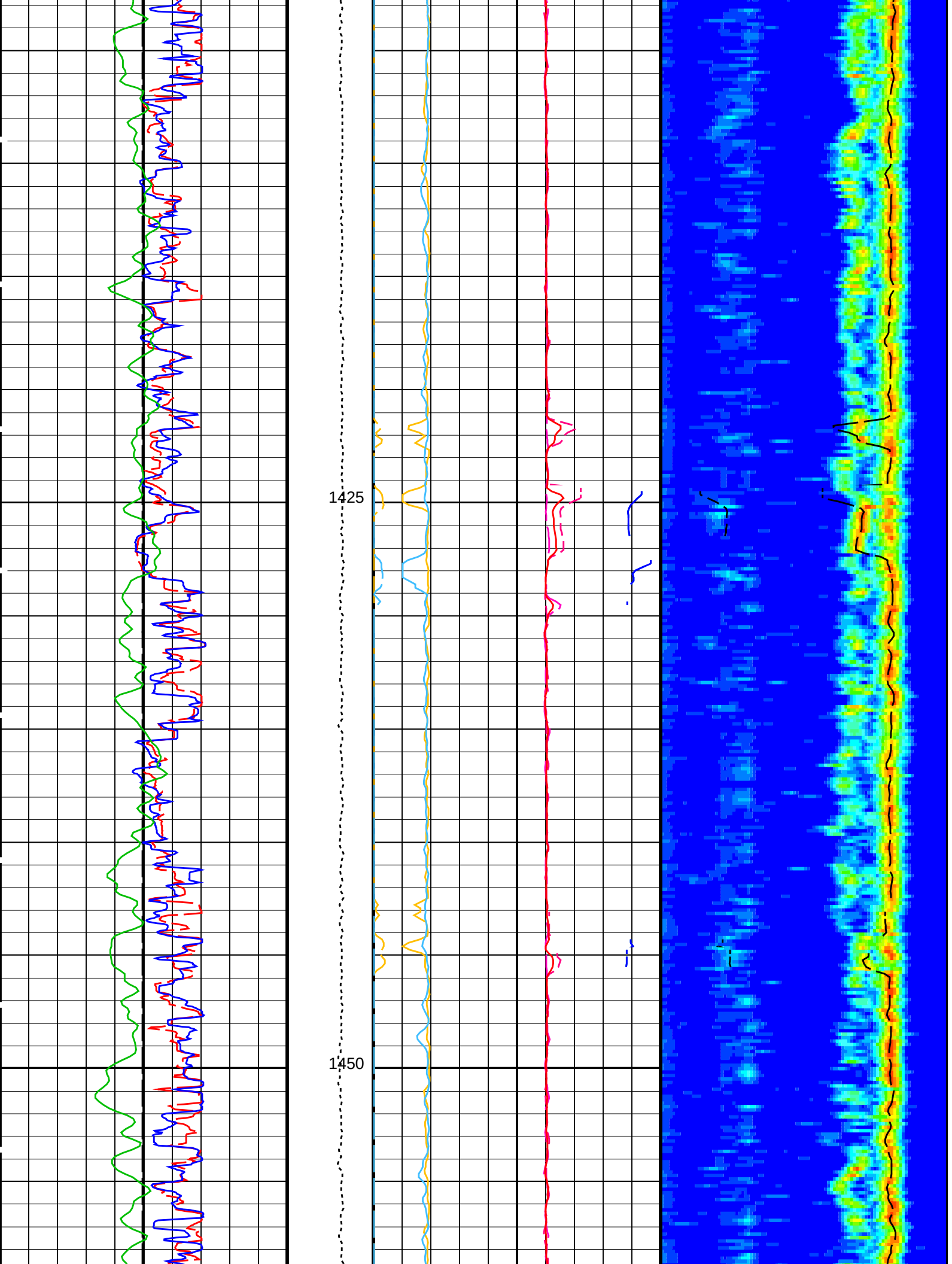
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	19C0−187

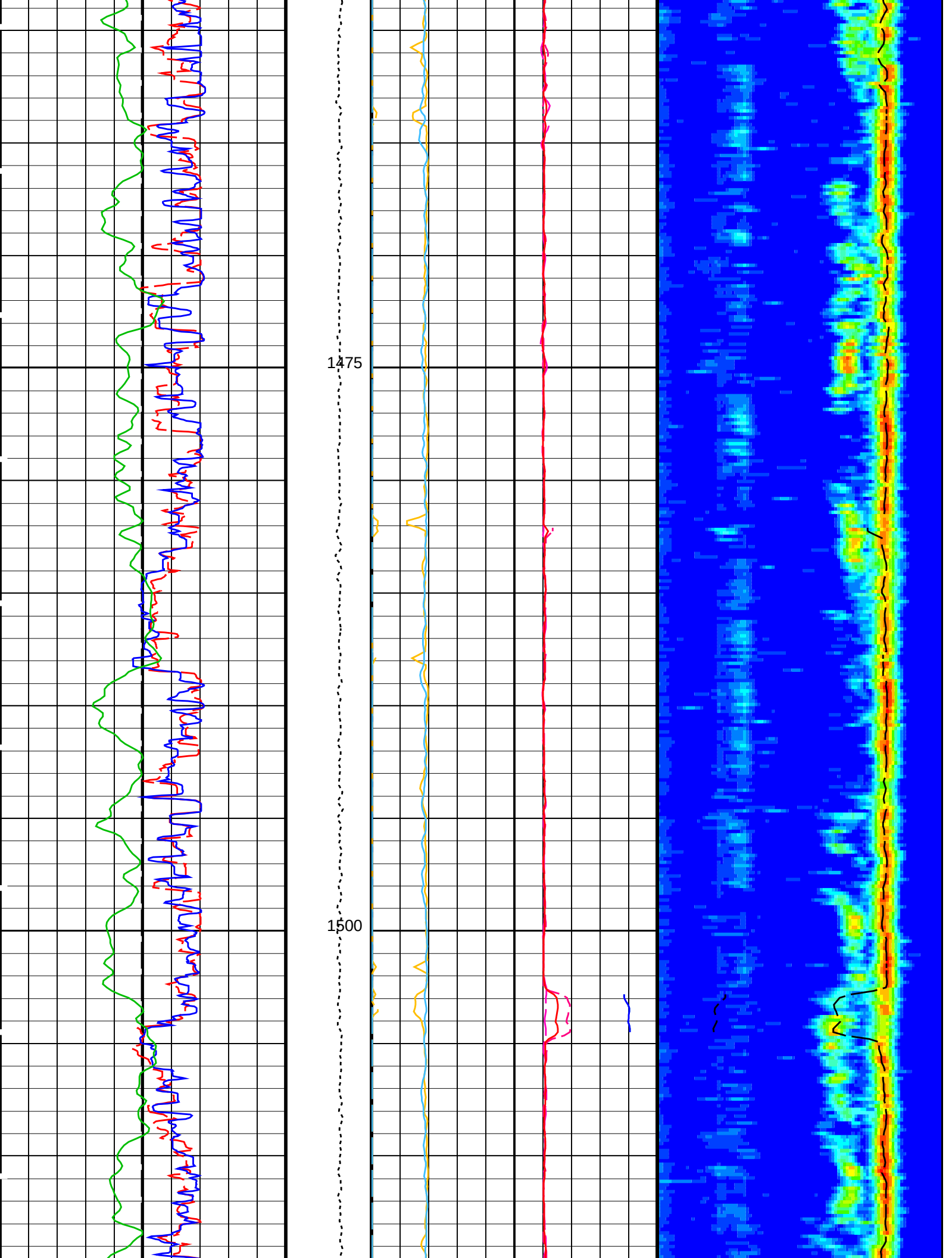
PIP SUMMARY

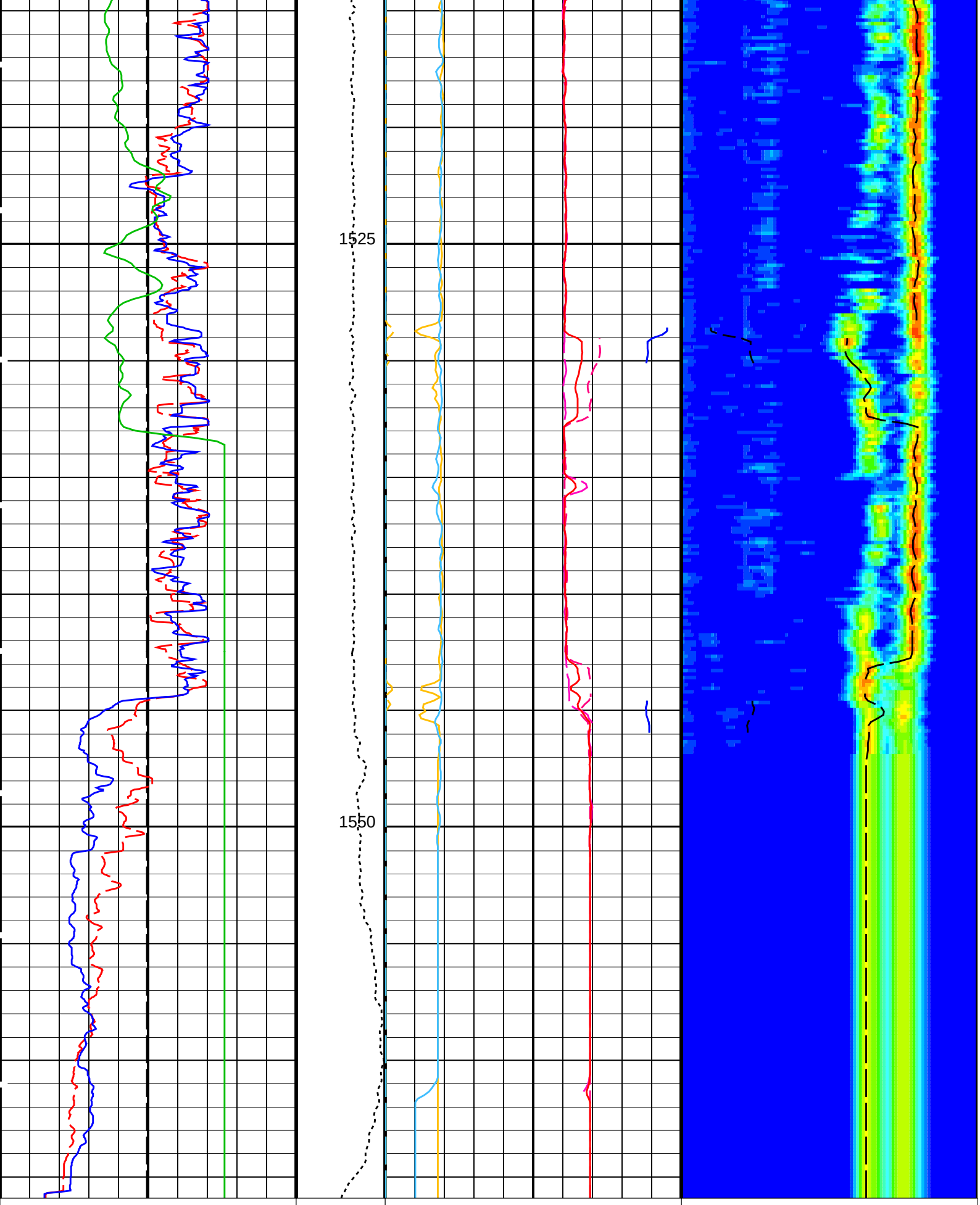
Time Mark Every 60 S



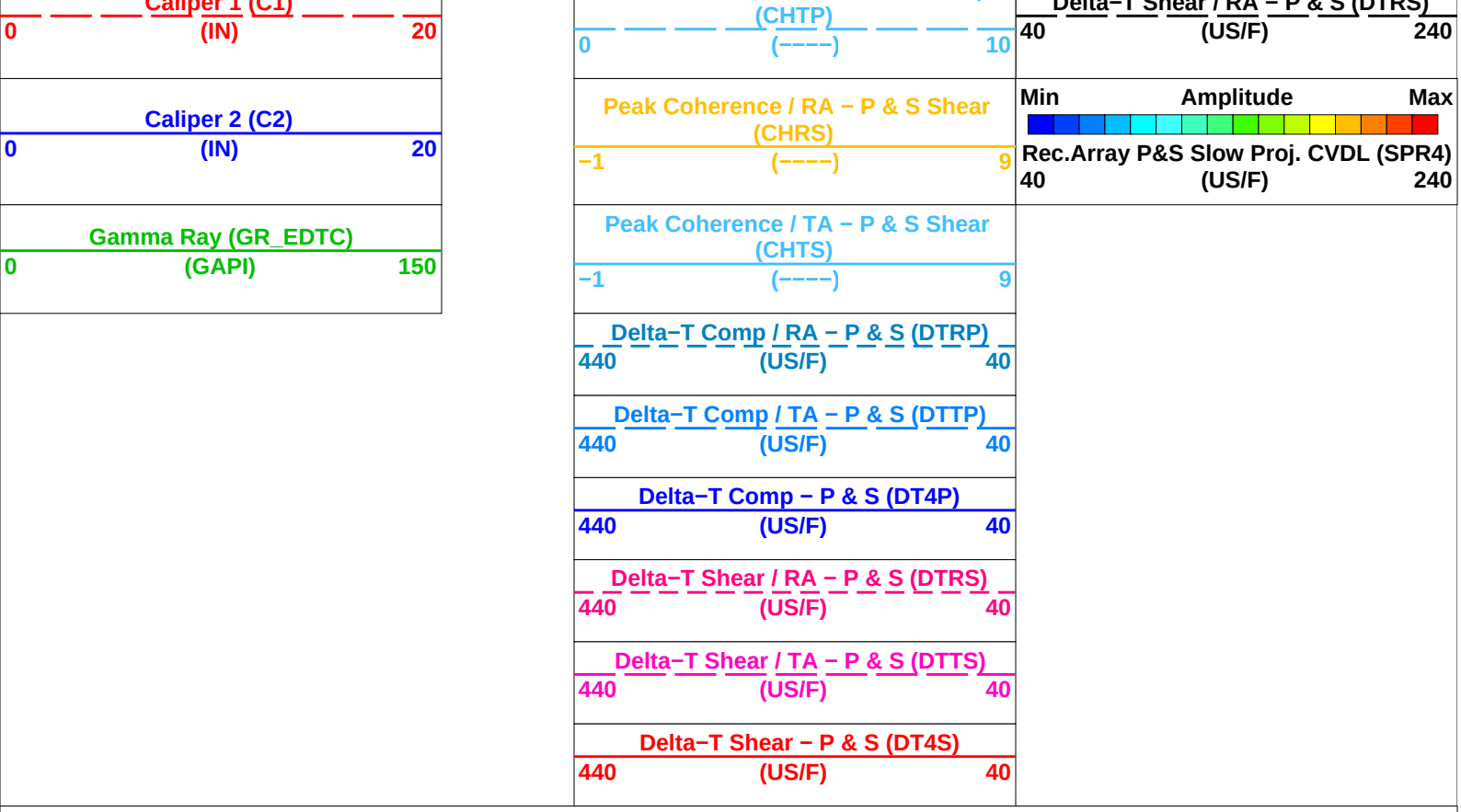

1350
1375
1400


1425
1450


1475
1500



Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − P & S Comp (CHRP)	Delta−T Comp / RA − P & S (DTRP)
0 (IN) 20	(LBF) 0 5000	0 (−−−−) 10	40 (US/F) 240
Caliper 1 (C1)		Peak Coherence / TA − P & S Comp	Delta−T Shear / RA − P & S (DTRS)



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	90	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_SHEAR	
LFC	Label Formation Character - Monopole P&S	DYNAMIC	
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	130	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240	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: 20−Jun−2024 00:11

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	19C0−187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11		
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11		

Company: International Ocean Discovery Program Well: Expedition 403, Site U1618B

Output DLIS Files

DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 M
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11	1565.9 M	1331.2 M

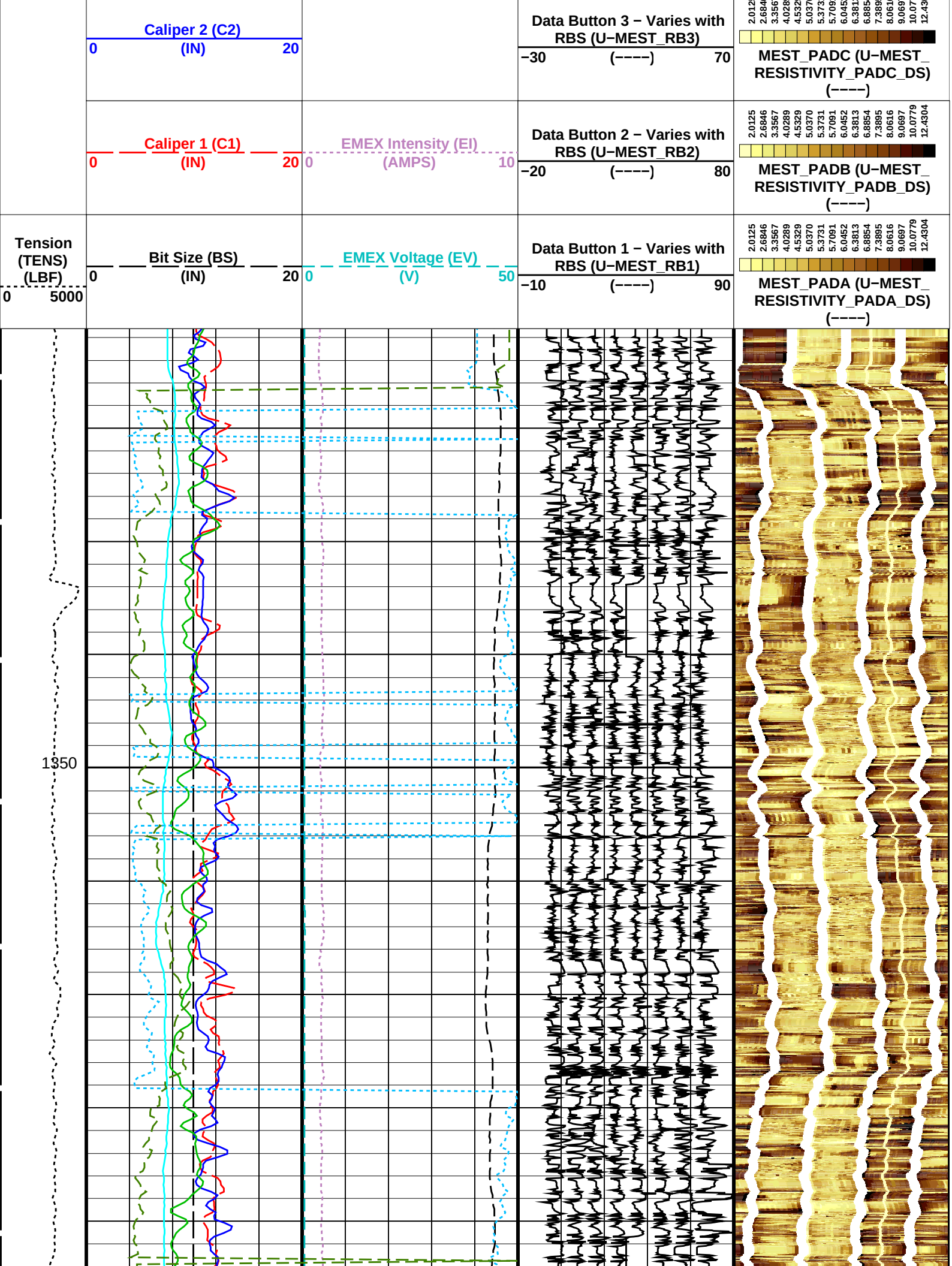
OP System Version: 19C0−187

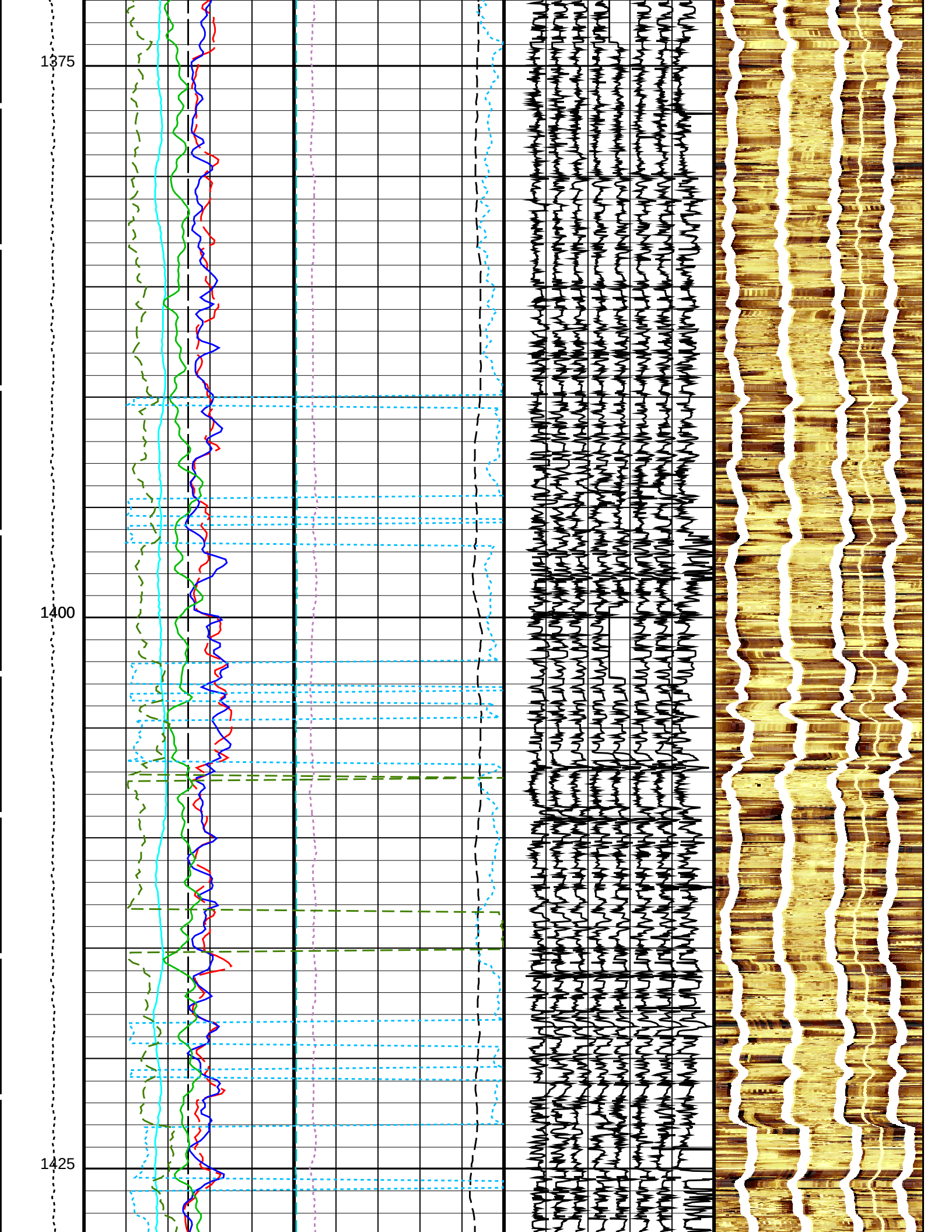
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	19C0−187

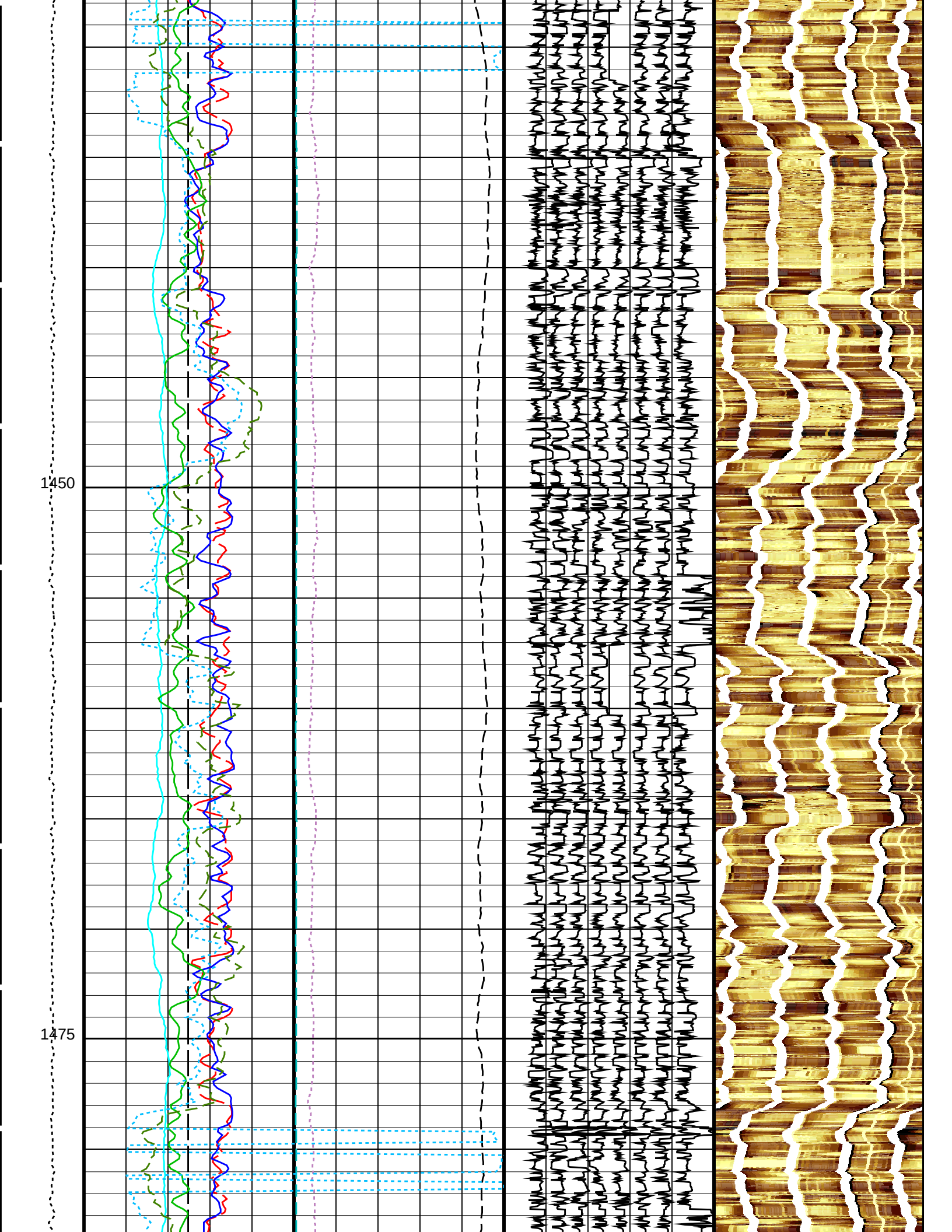
PIP SUMMARY

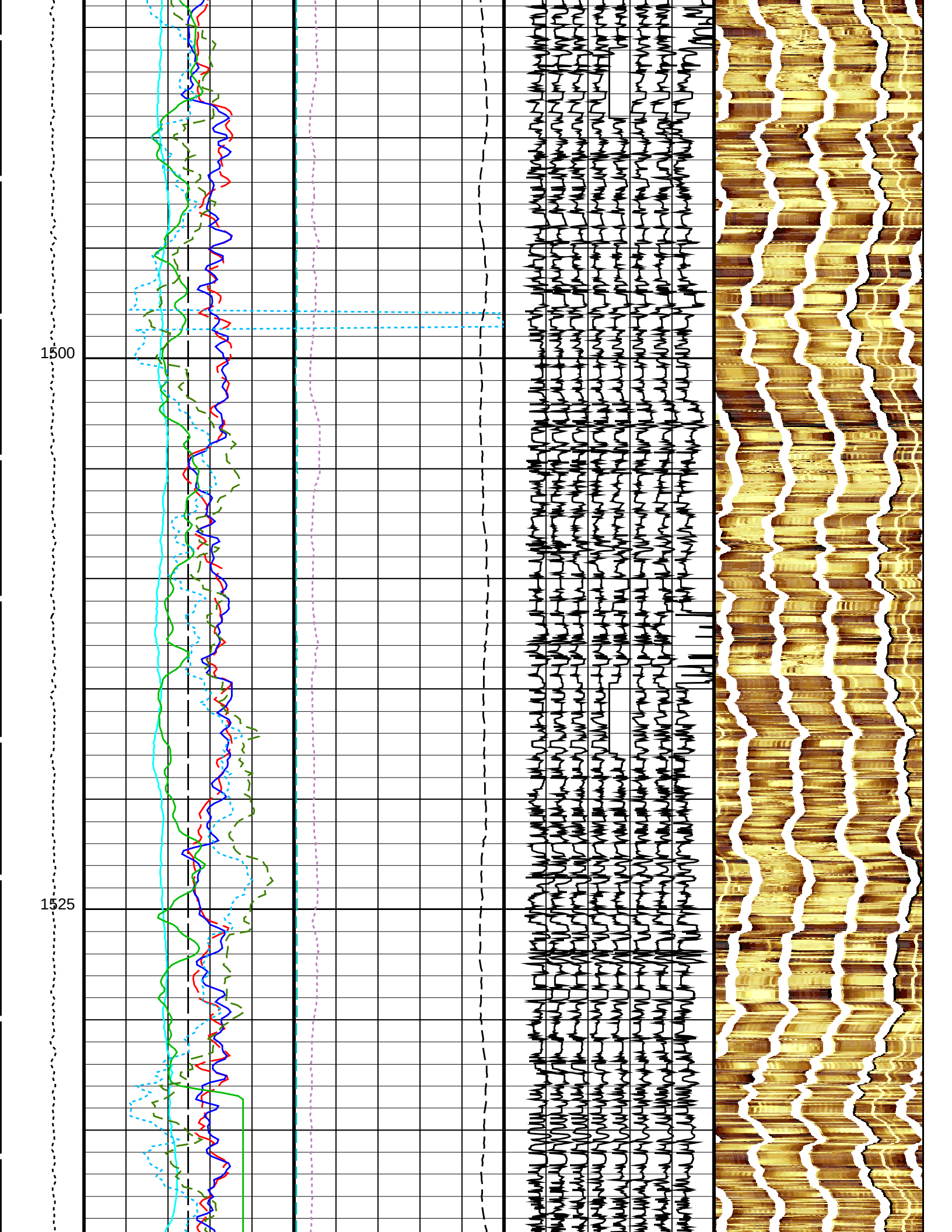
Time Mark Every 60 S

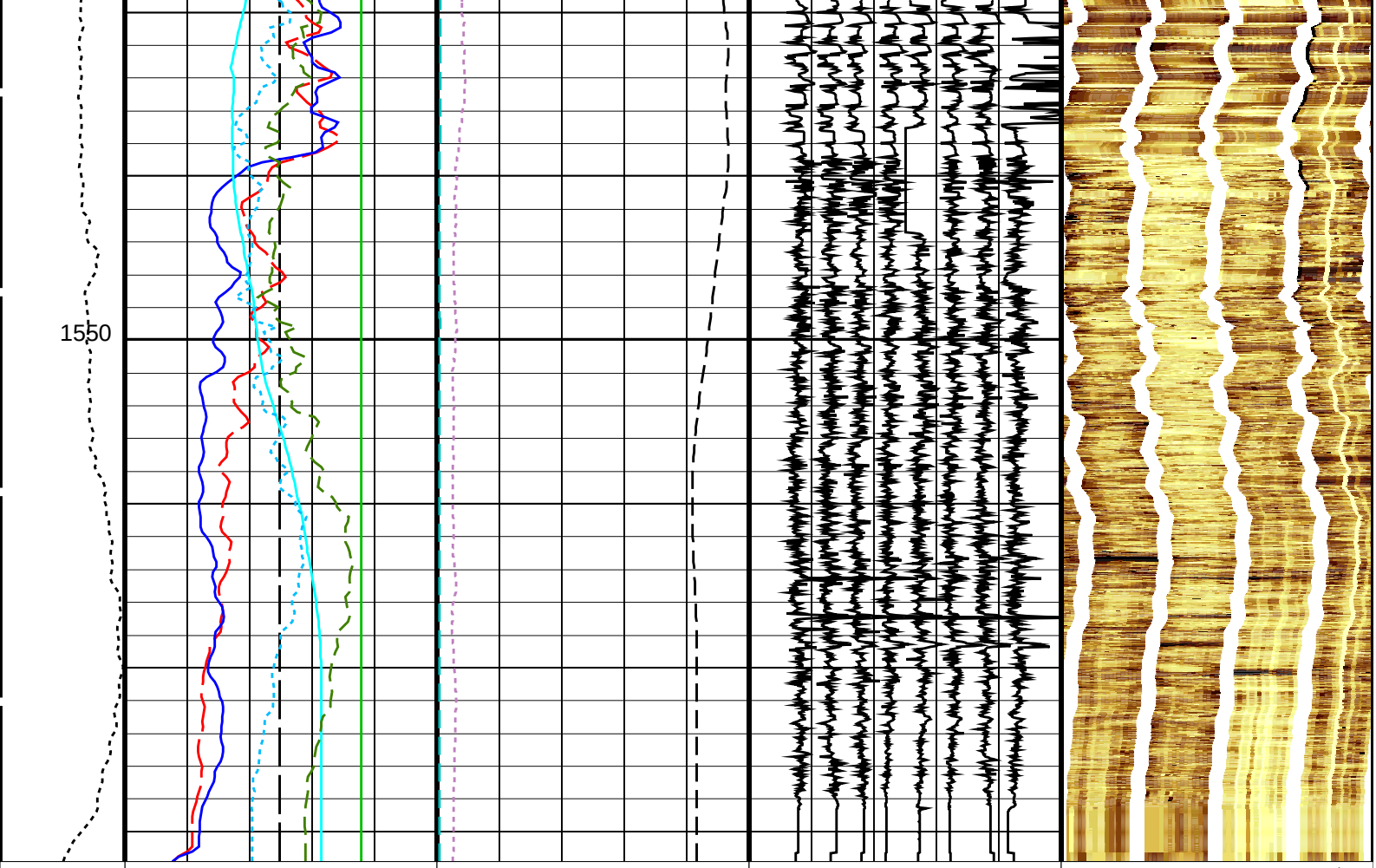
Relative Bearing (RB_MEST) −40 (DEG) 360		Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (−−−−) 20
Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360		Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (−−−−) 30
Hole Azimuth (HAZIM) −40 (DEG) 360		Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (−−−−) 40
Gamma 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
		2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)


Caliper 2 (C2)
0 (IN) 20
Caliper 1 (C1)
0 (IN) 20
Tension (TENS) (LBF)
0 5000
Bit Size (BS)
0 (IN) 20
EMEX Intensity (EI)
0 (AMPS) 10
EMEX Voltage (EV)
0 (V) 50
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
2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304
MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)
MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)
MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)
1350


1375
1400
1425


1450
1475


1500
1525



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	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 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	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)
	Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)
	Deviation (DEVIM) 0 (DEG) 10		Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 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	6.32197	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: 20−Jun−2024 00:11

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	19C0−187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_033LUP	FN:39	PRODUCER	20−Jun−2024 00:11		
RTB	FMS_DSI_NGS_033LUP	FN:40	PRODUCER	20−Jun−2024 00:11		

Schlumberger

Second Pass
1:200 Scale

MAXIS Field Log

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034LUP	FN:41	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M
RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M

OP System Version: 19C0−187

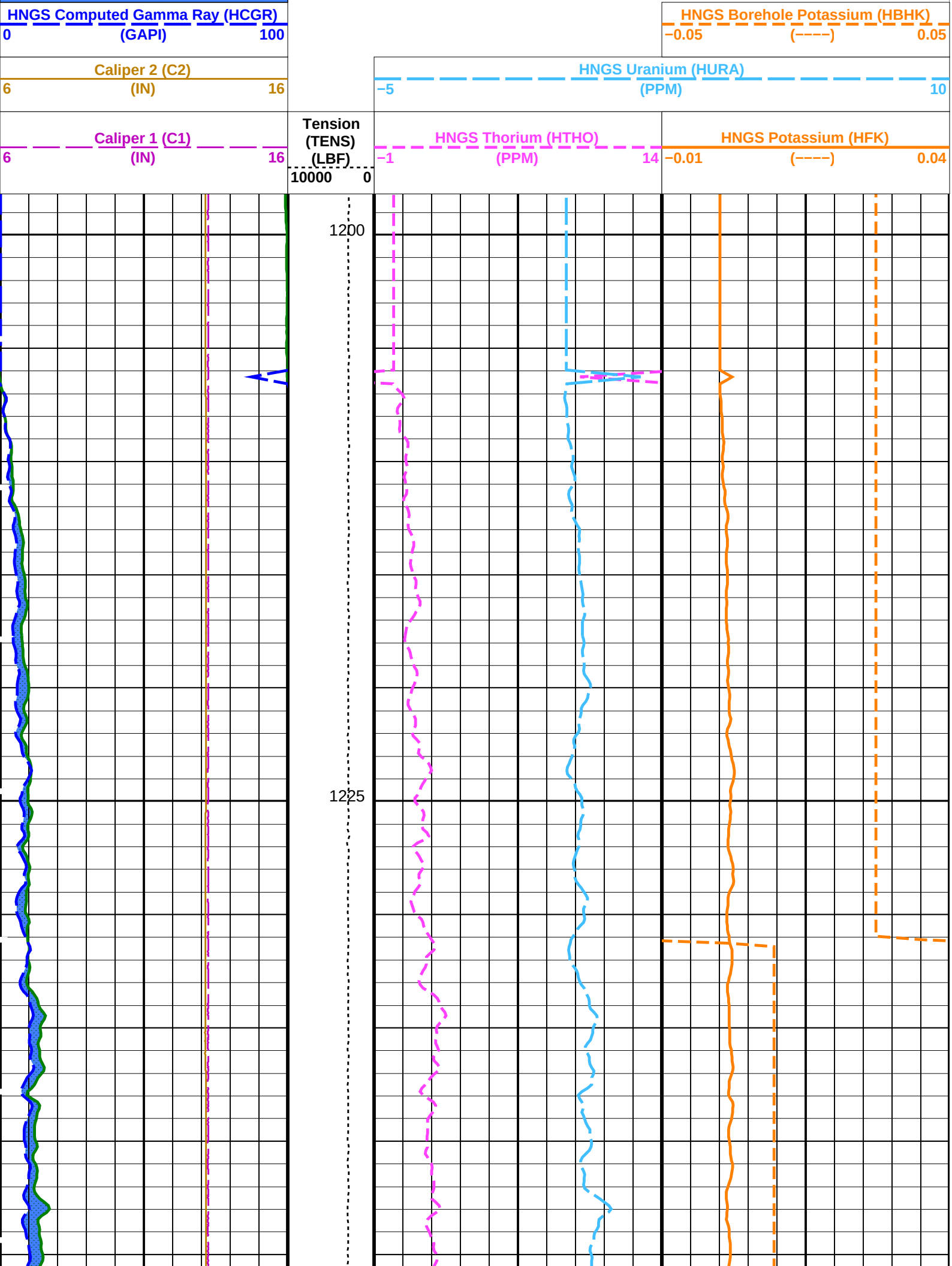
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	19C0−187

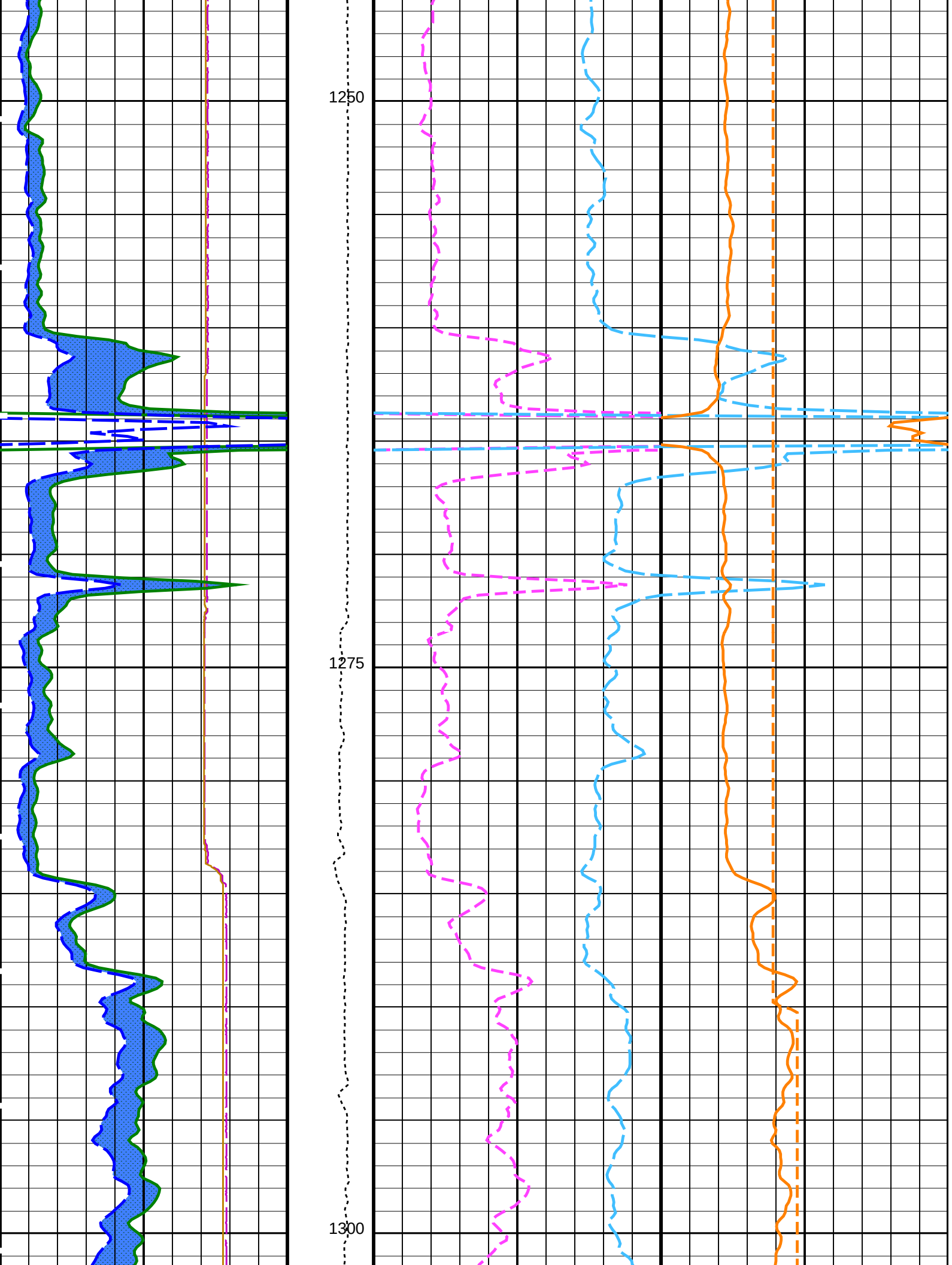
PIP SUMMARY

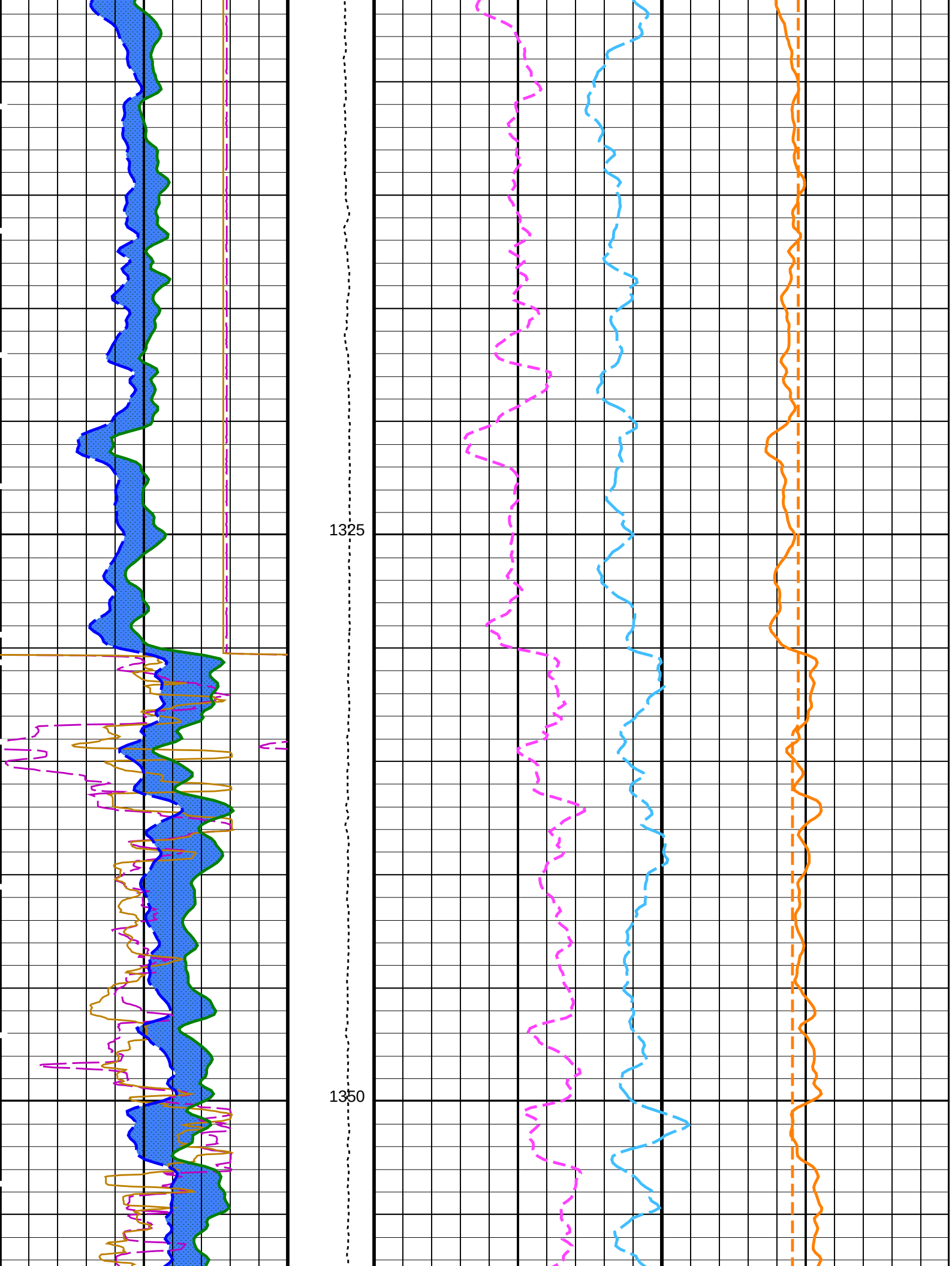
Time Mark Every 60 S

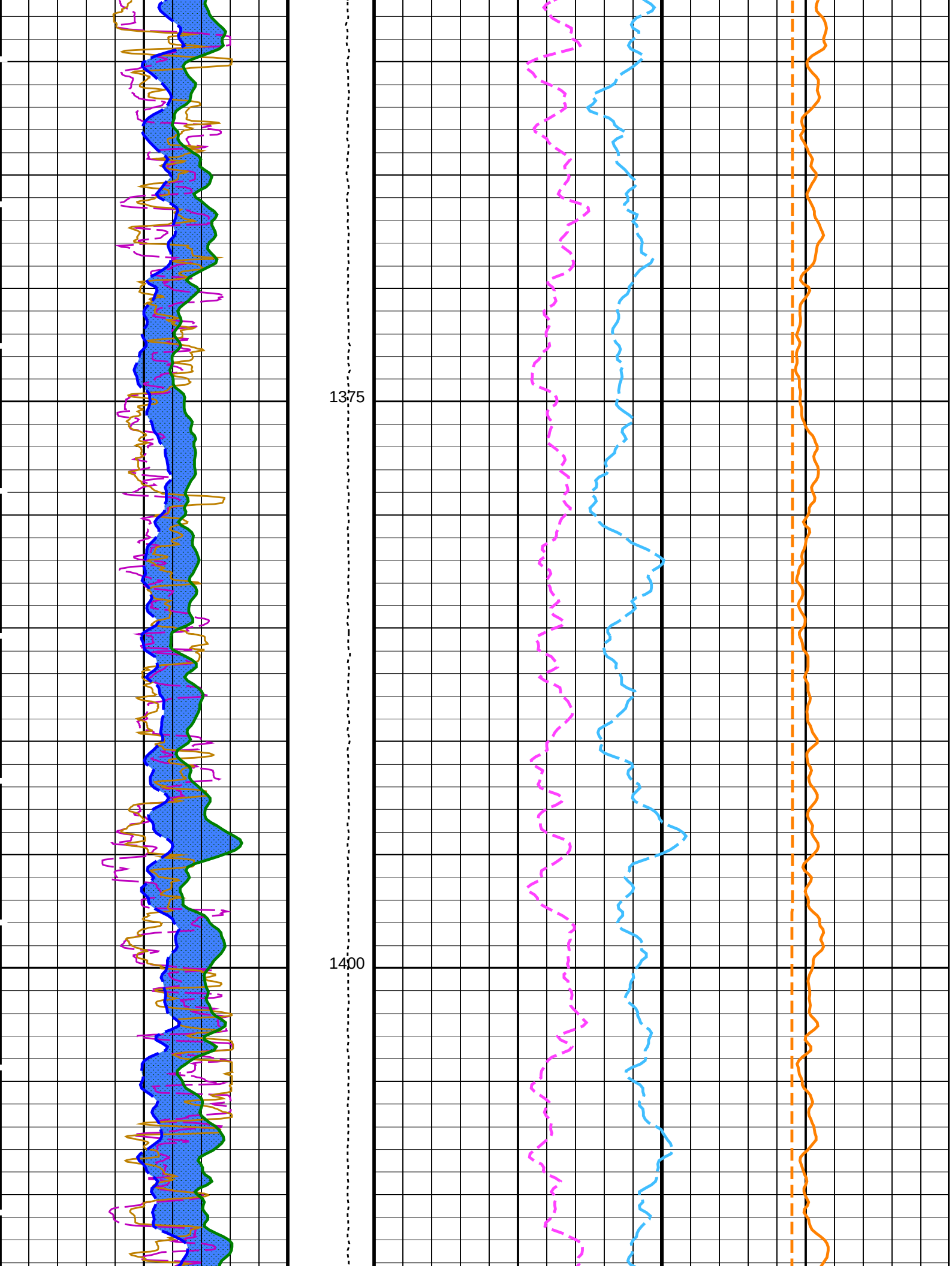
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

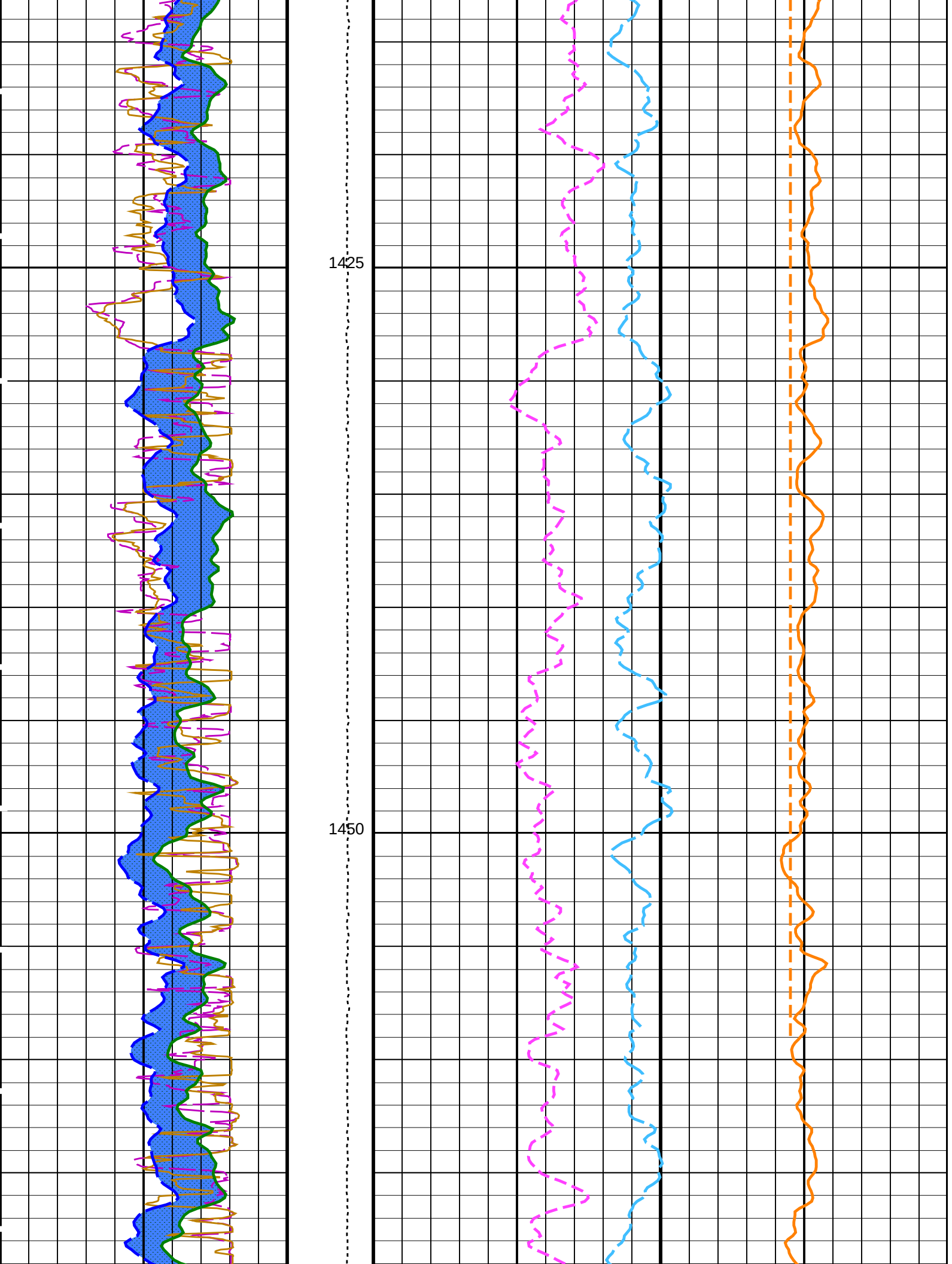
Area1
From HCGR to HSGR

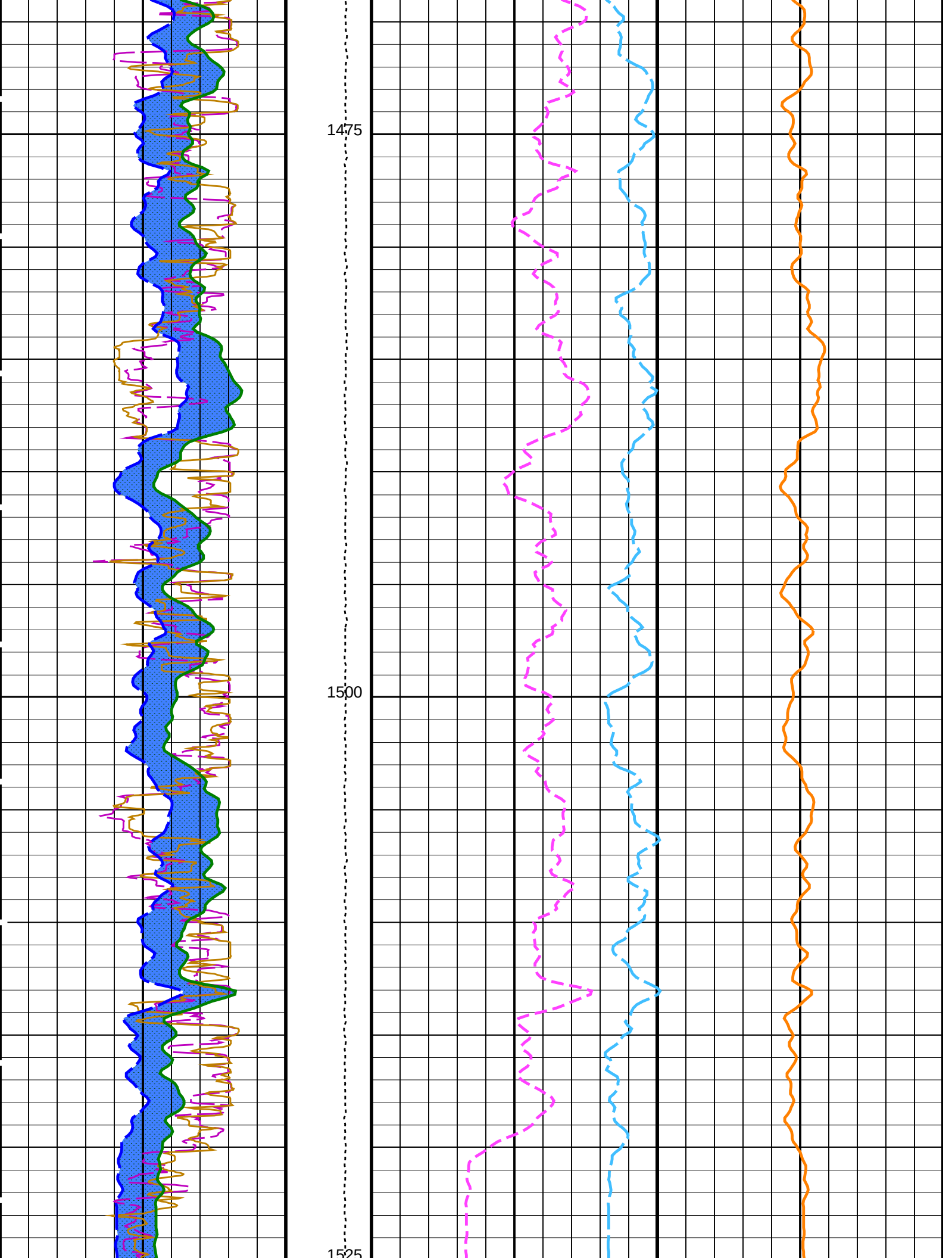

HNGS Computed Gamma Ray (HCGR)
0
(GAPI)
100
HNGS Borehole Potassium (HBHK)
−0.05
(−−−−)
0.05
Caliper 2 (C2)
6
(IN)
16
HNGS Uranium (HURA)
−5
(PPM)
10
Caliper 1 (C1)
6
(IN)
16
Tension
(TENS)
(LBF)
10000
0
HNGS Thorium (HTHO)
−1
(PPM)
14
HNGS Potassium (HFK)
−0.01
(−−−−)
0.04
1200
1225

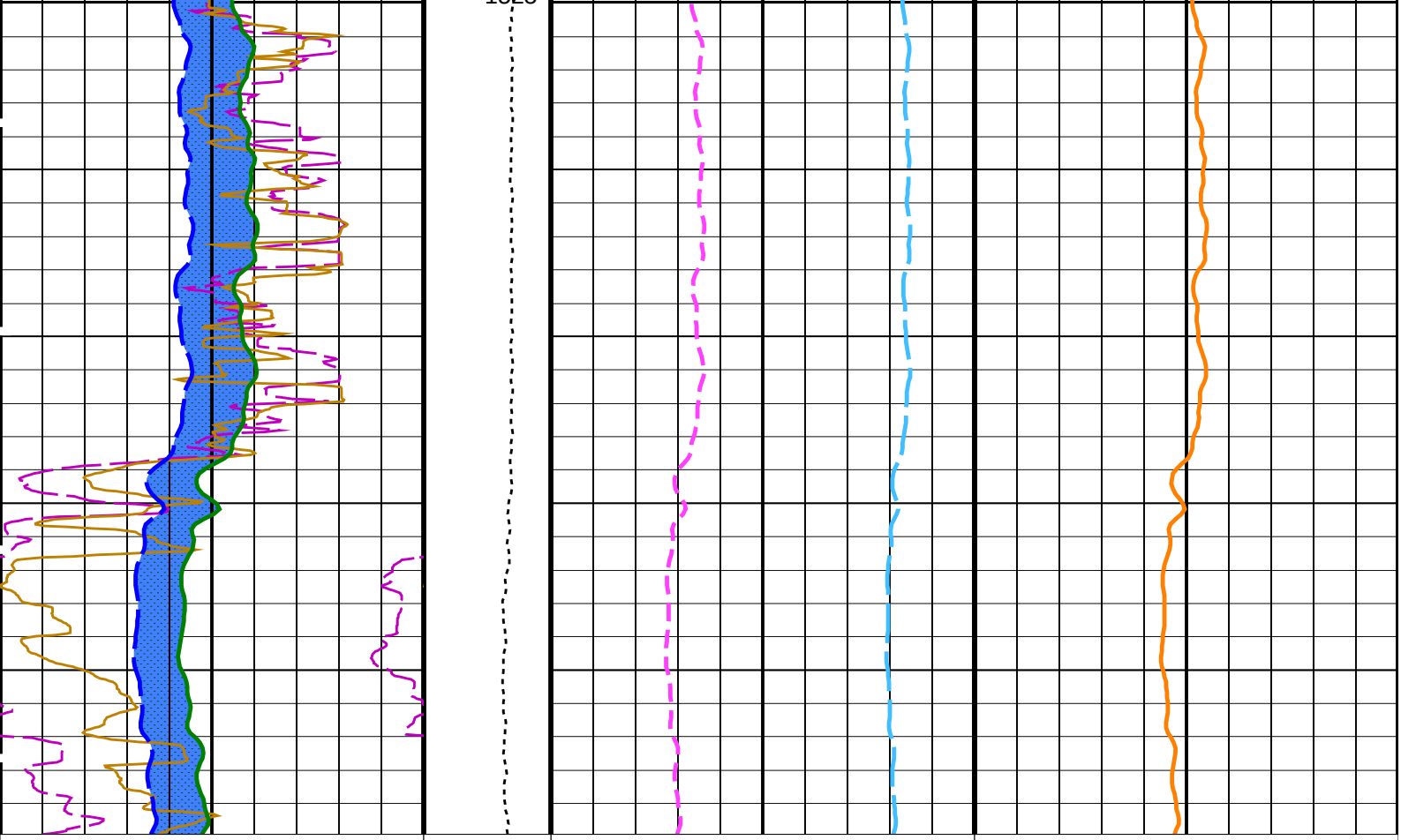

1250
1275
1300


1325
1350


1375
1400


1425
1450


1475
1500
1525



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	−0.00483861	

HABK	HNGS Borehole Potassium Running Average	−0.00482861	
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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.02427	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01363	
	EDTC−B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 20−Jun−2024 01:06

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	19C0−187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034LUP	FN:41	PRODUCER	20−Jun−2024 01:06	
RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06	

Output DLIS Files

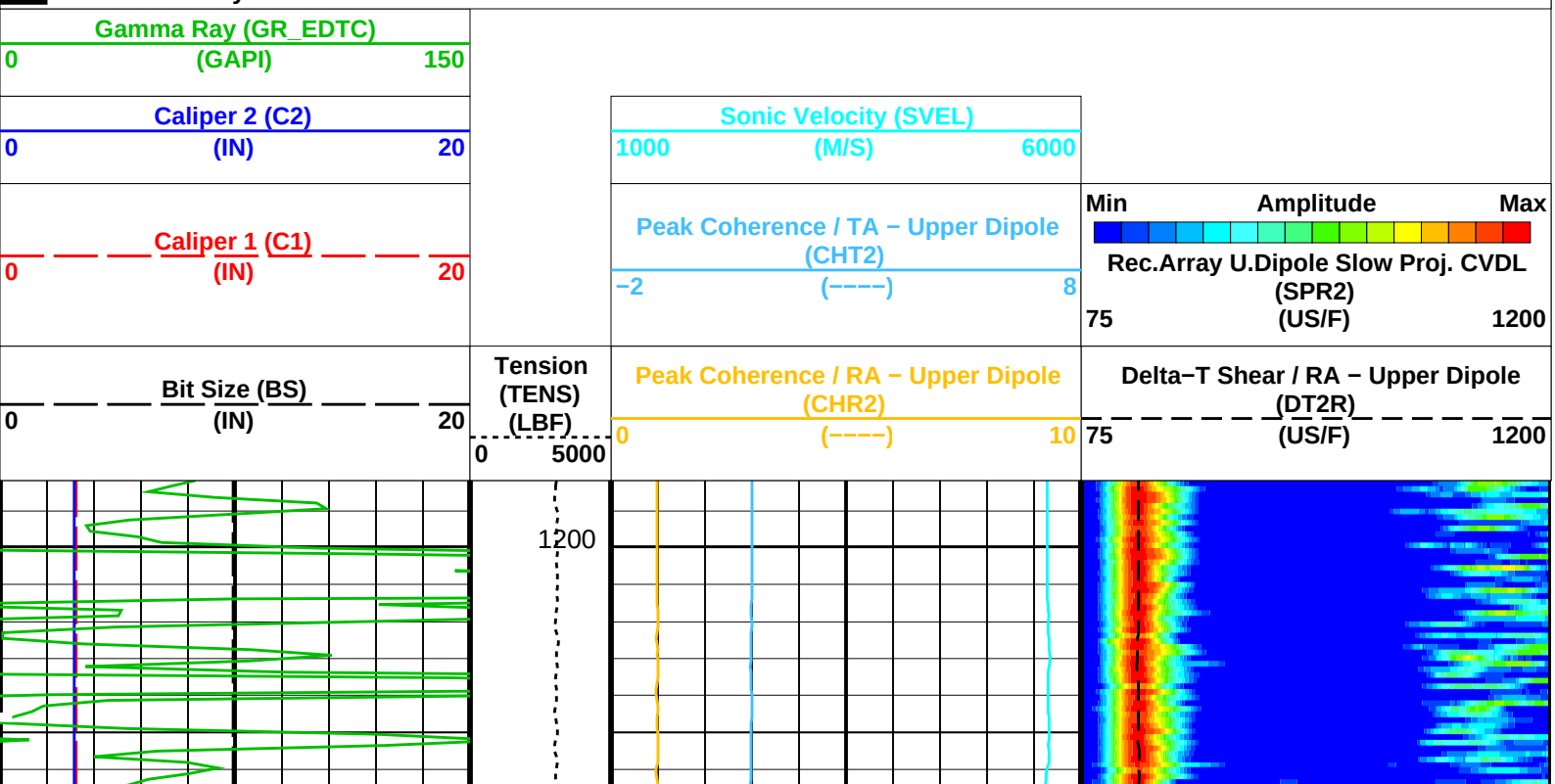
DEFAULT	FMS_DSI_NGS_034LUP	FN:41	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M
RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M

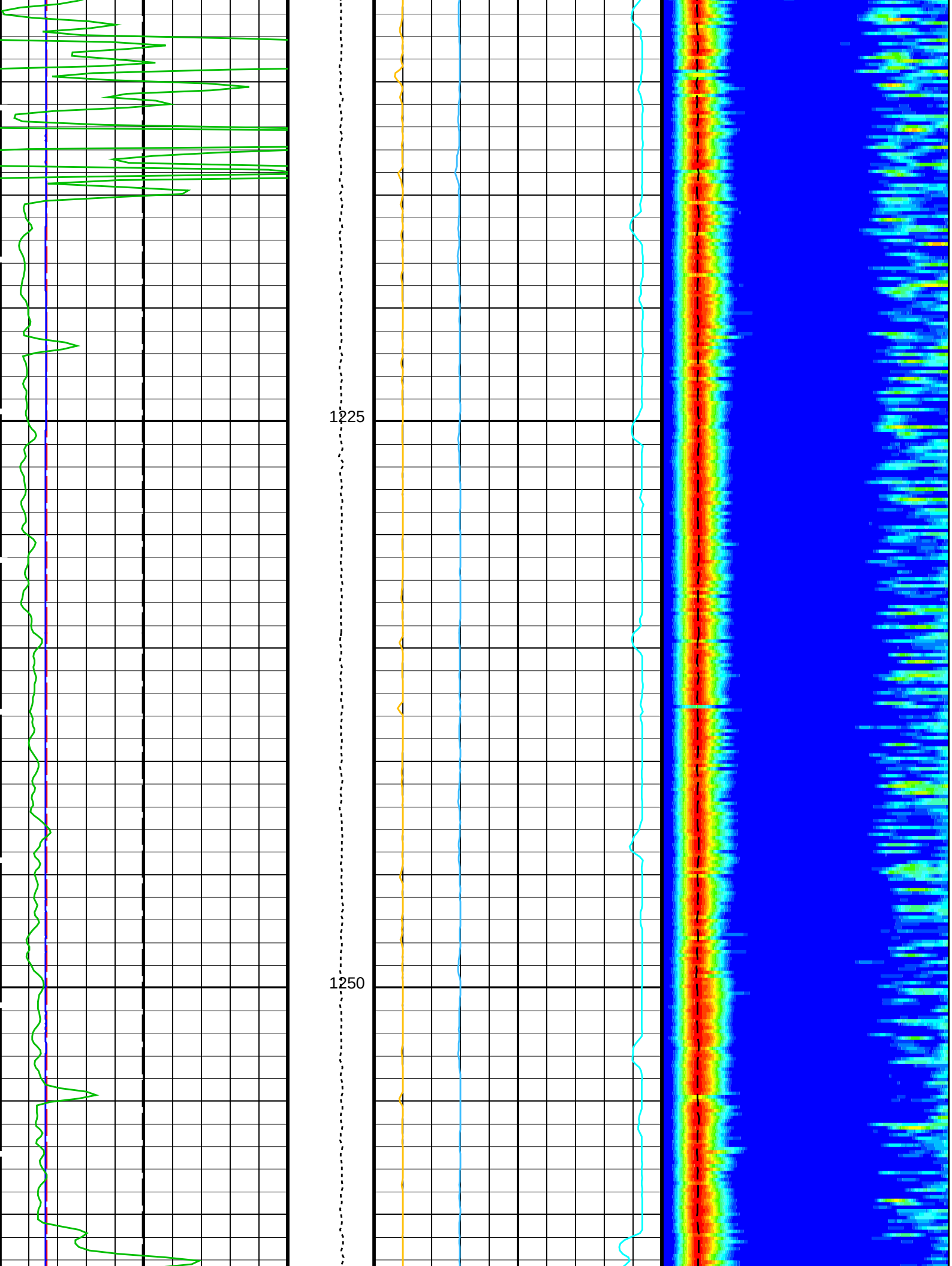
OP System Version: 19C0−187

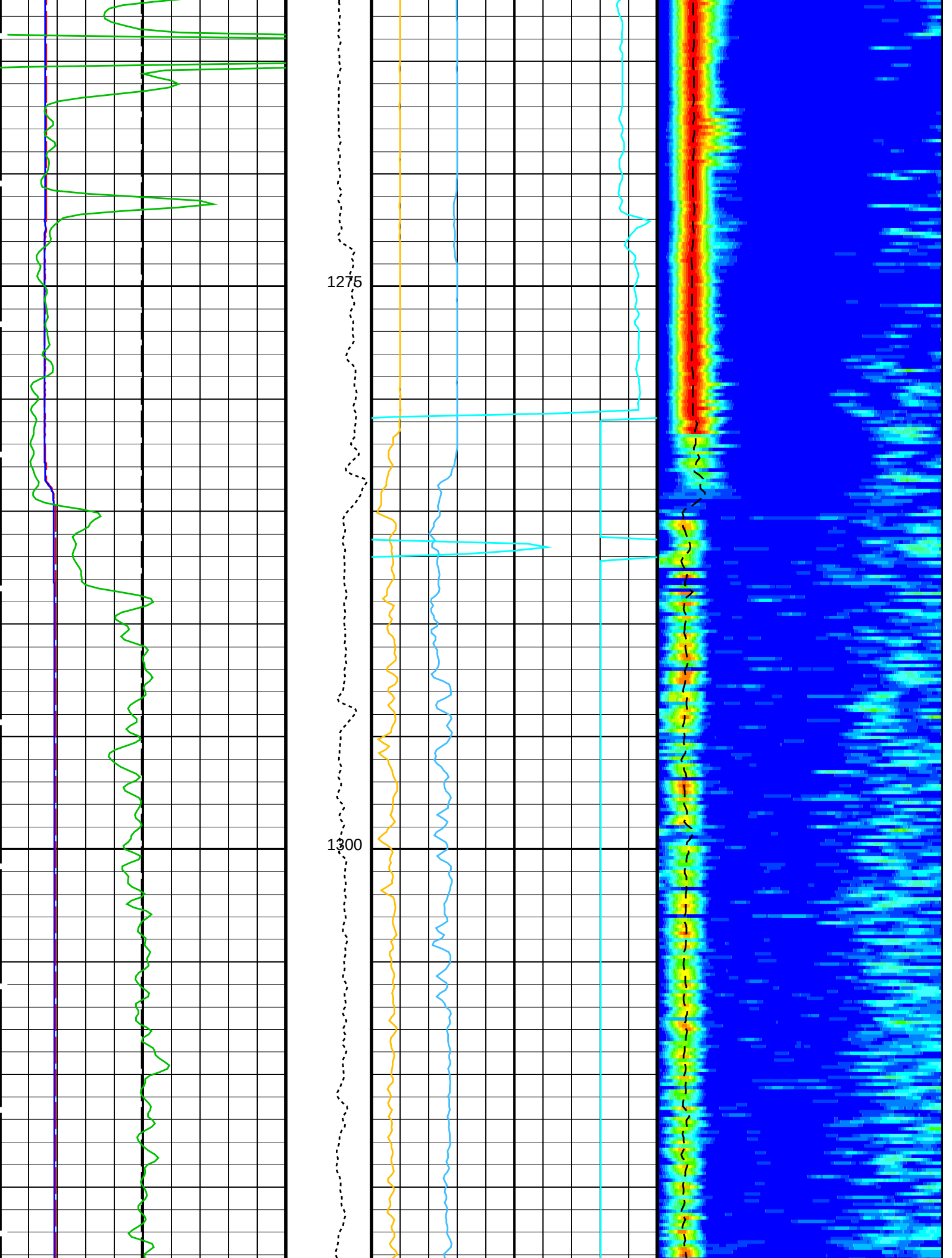
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	19C0−187

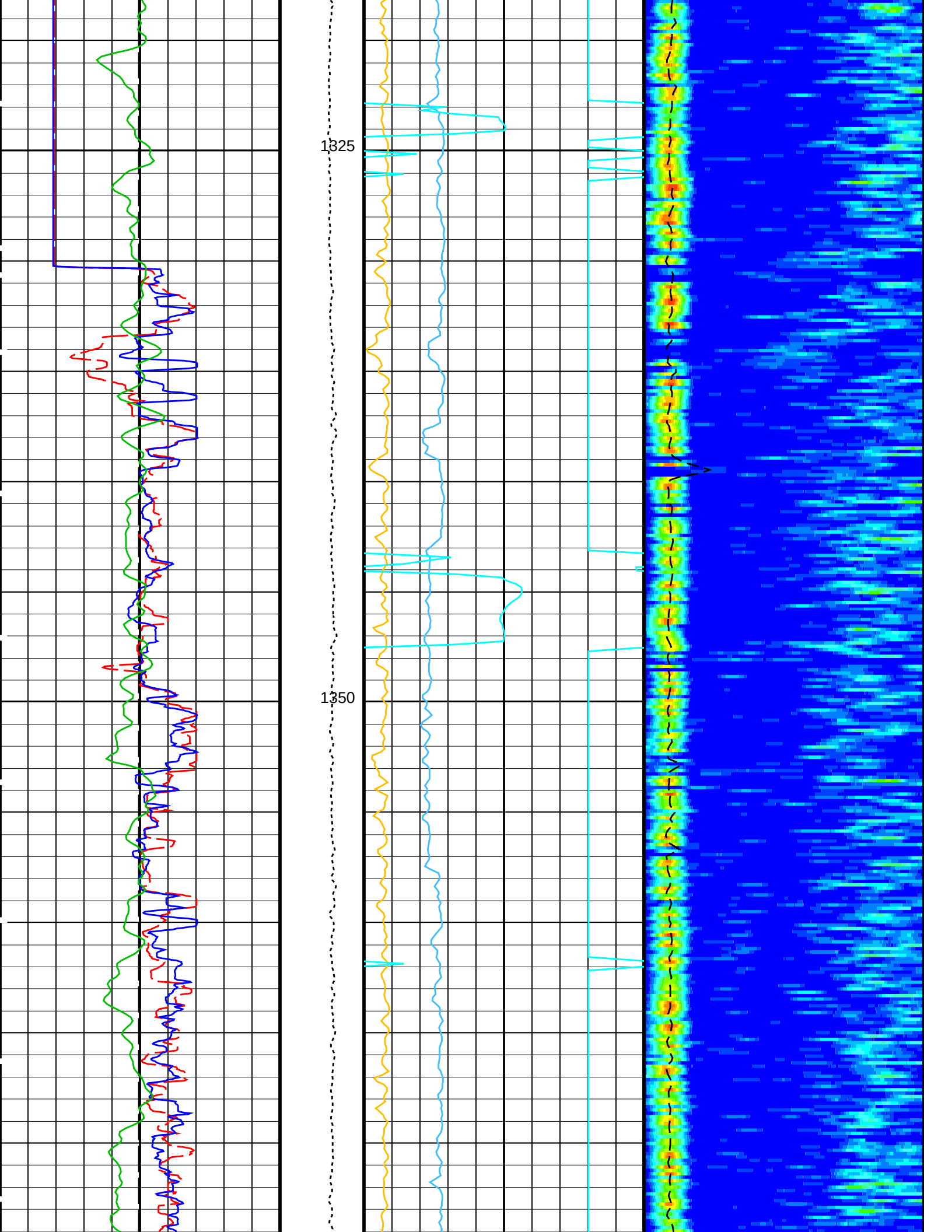
PIP SUMMARY

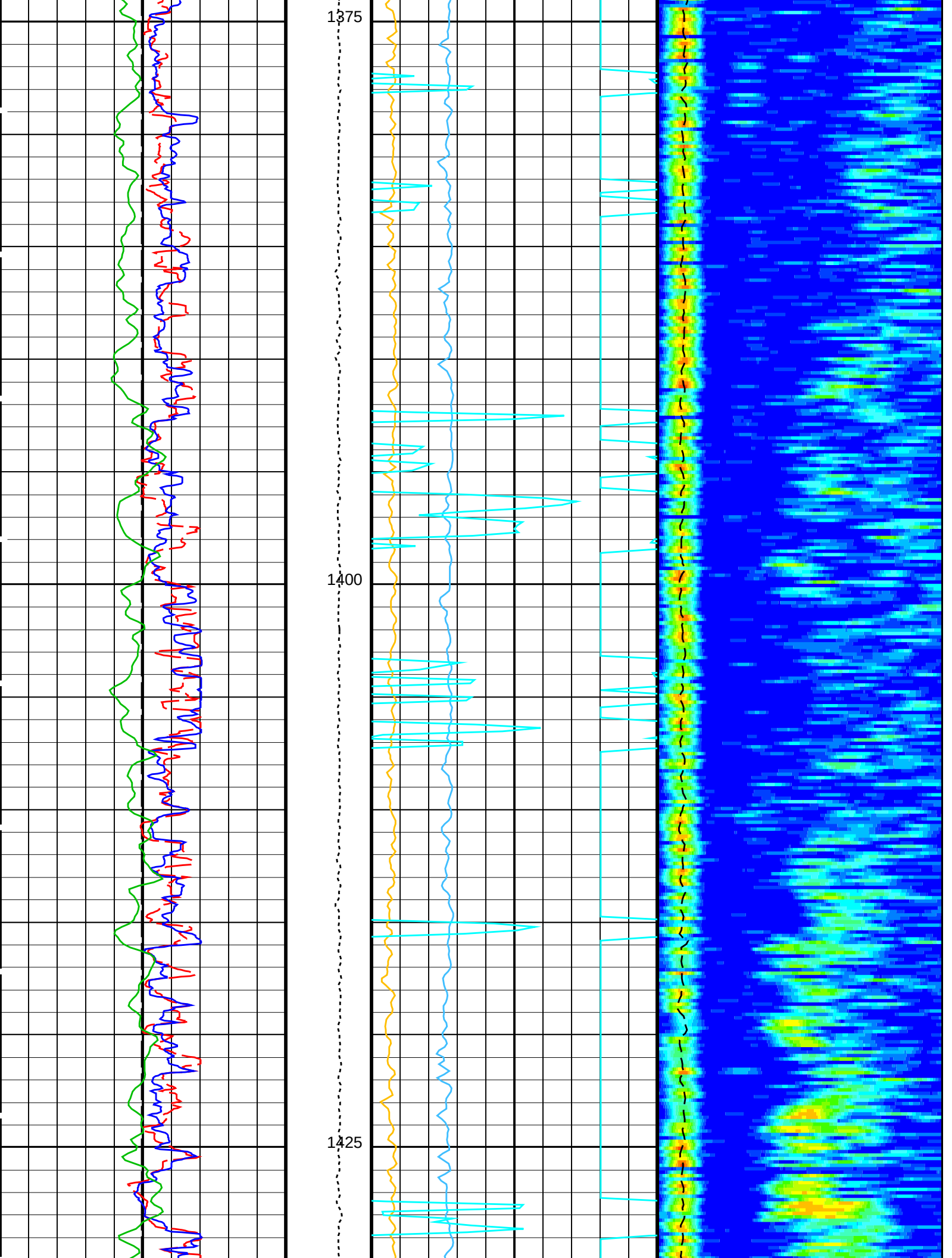
Time Mark Every 60 S

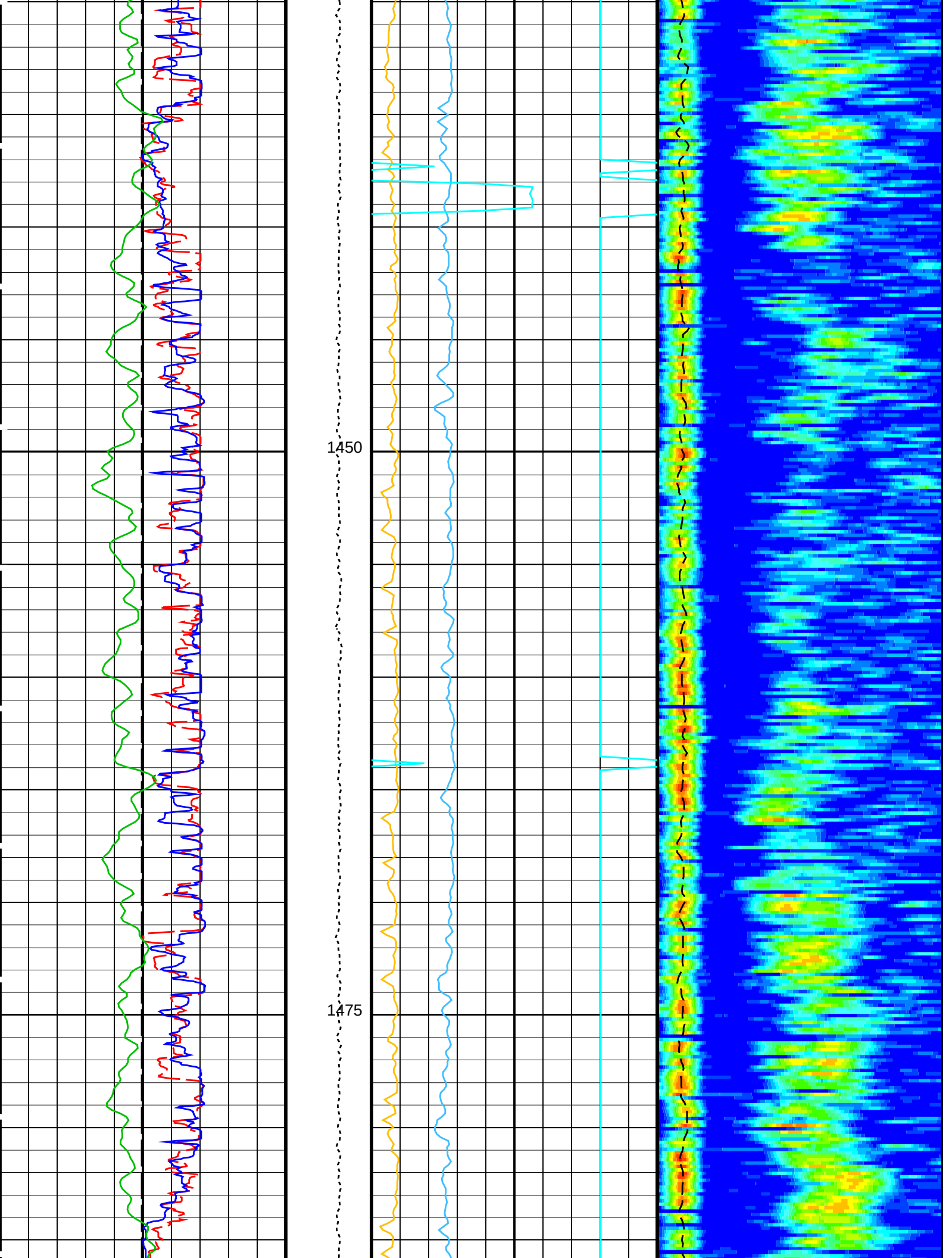


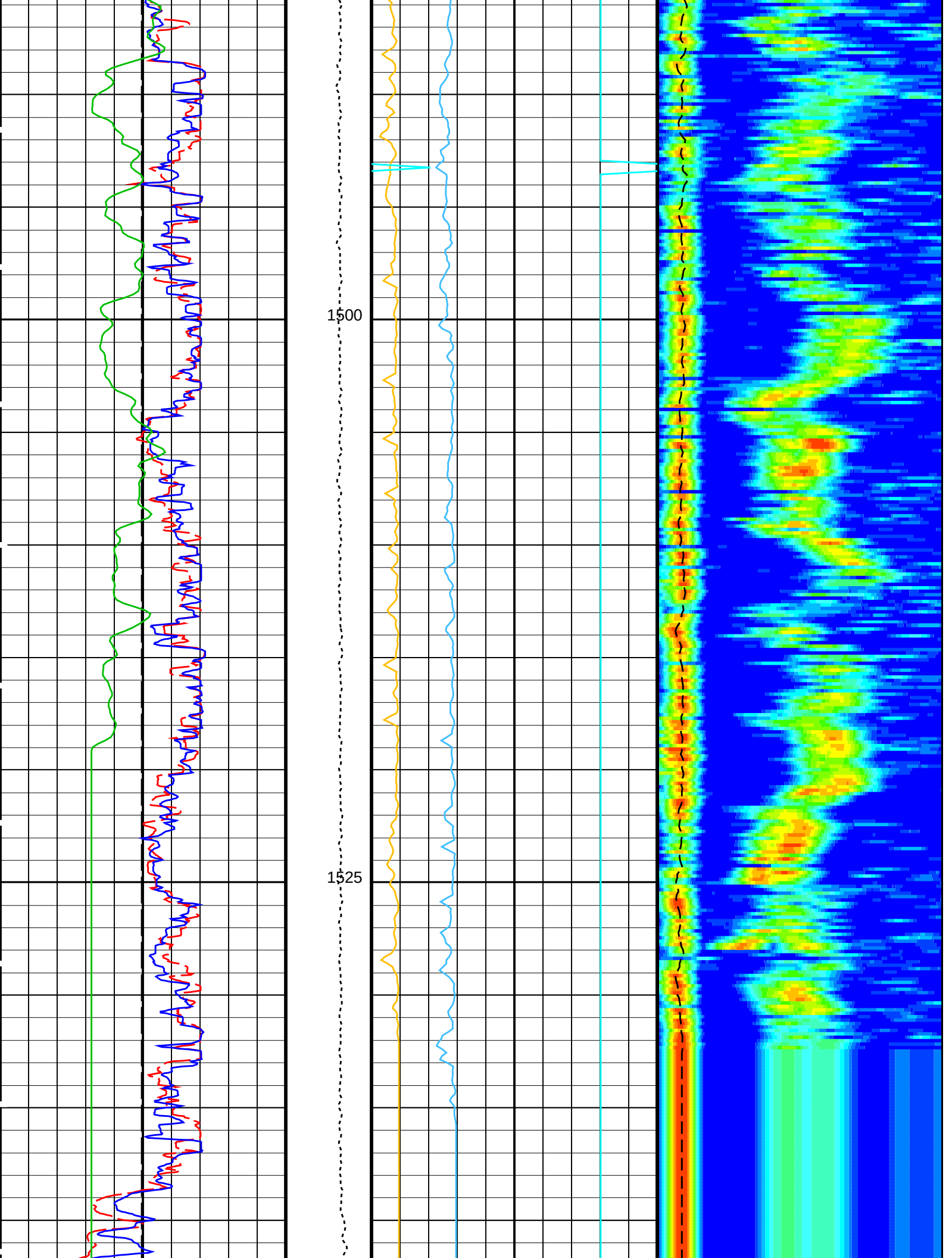

1225
1250


1275
1300


1325
1350


1375
1400
1425


1450
1475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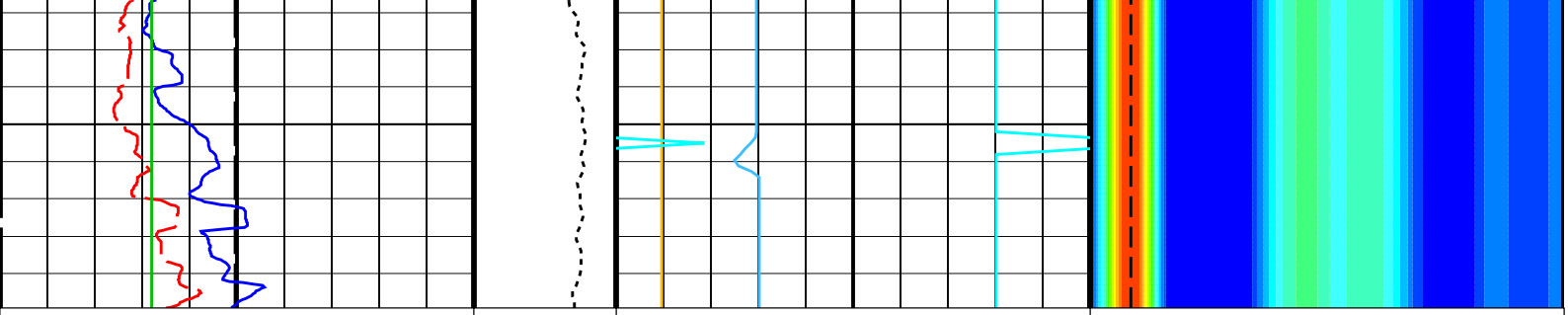


Parameters

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	40	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	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: 20−Jun−2024 01:06

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	19C0−187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034LUP	FN:41	PRODUCER	20−Jun−2024 01:06		
RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06		

Output DLIS Files

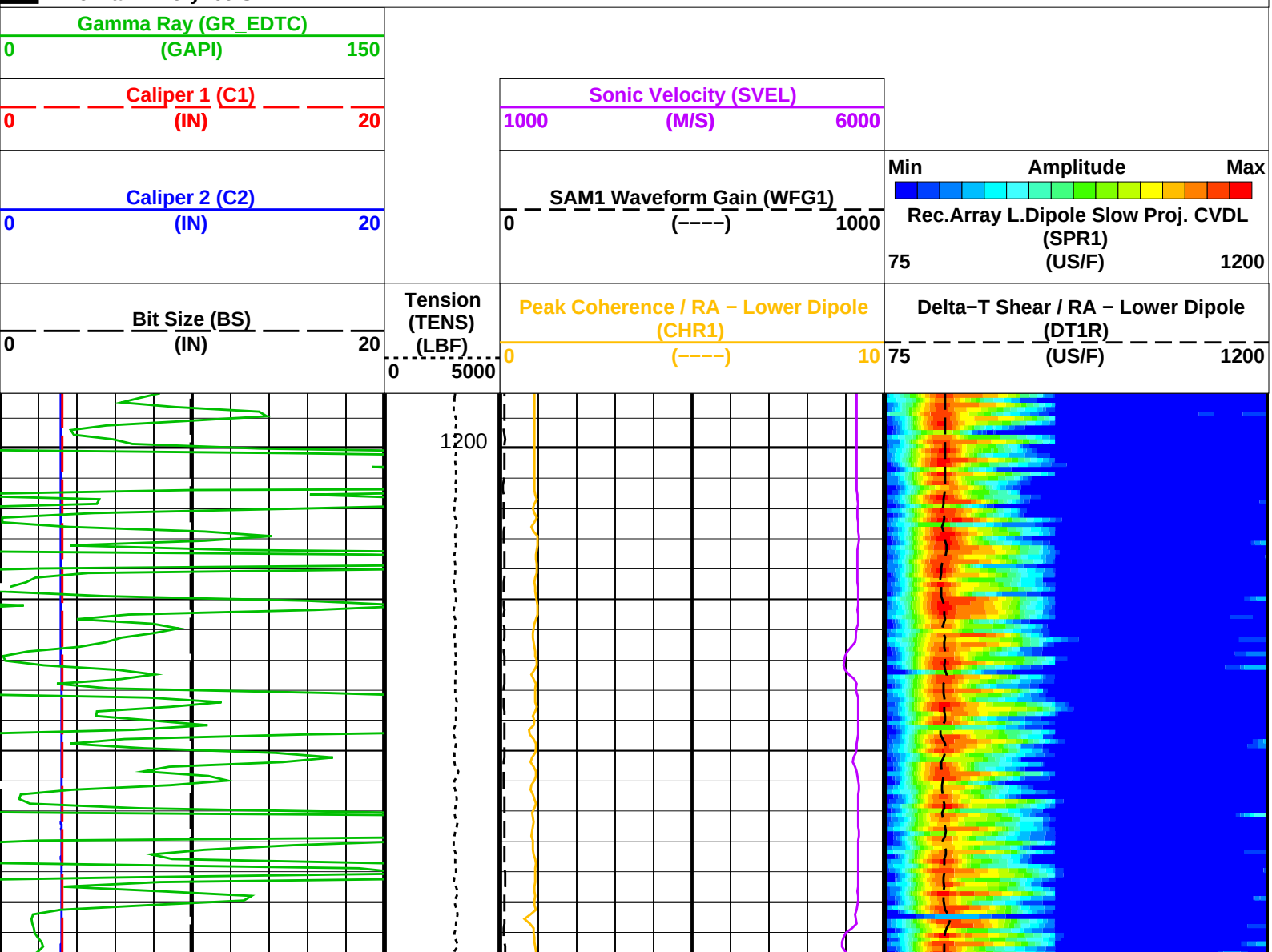
DEFAULT	FMS_DSI_NGS_034LUP	FN:41	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M
RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M

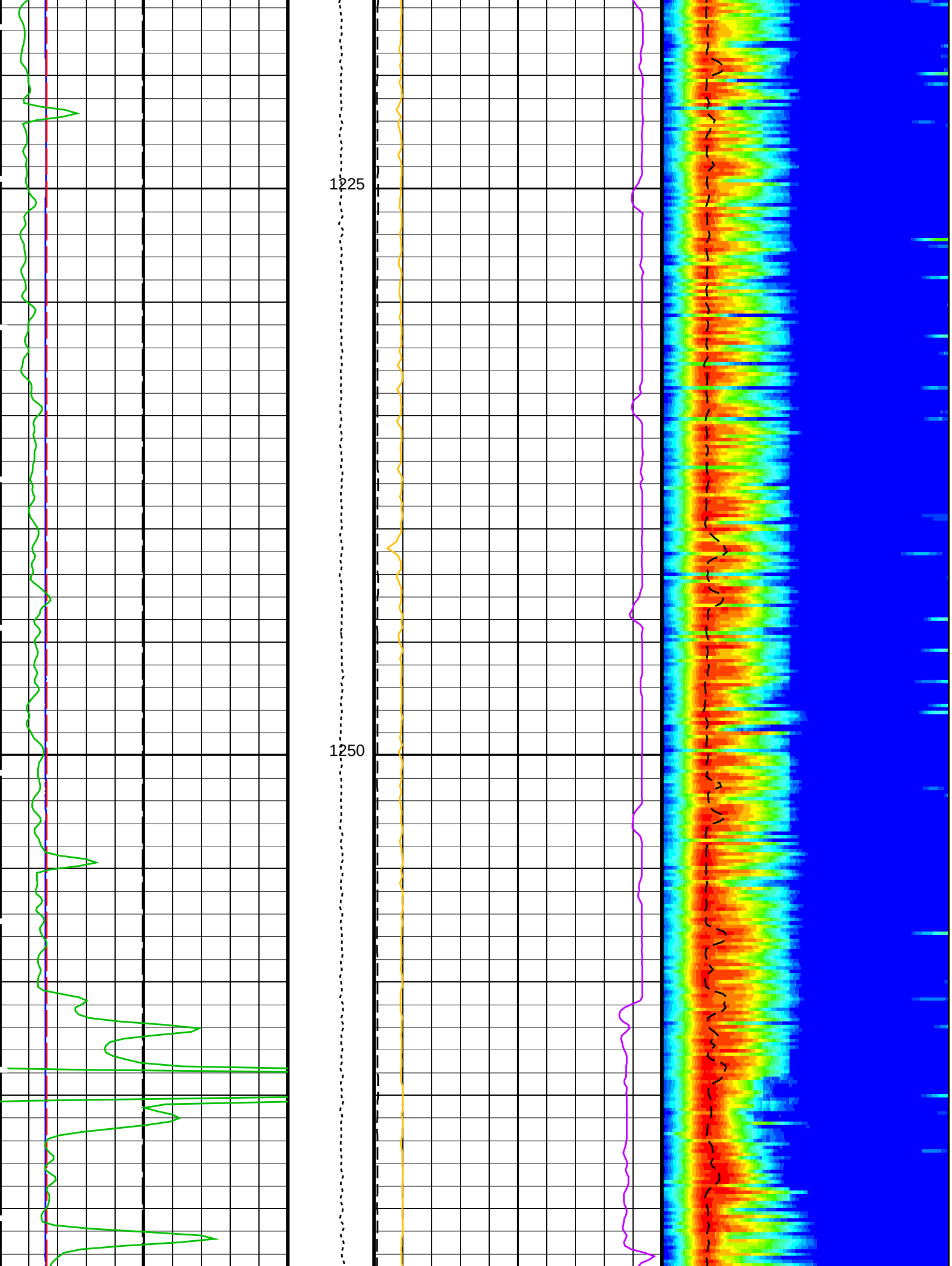
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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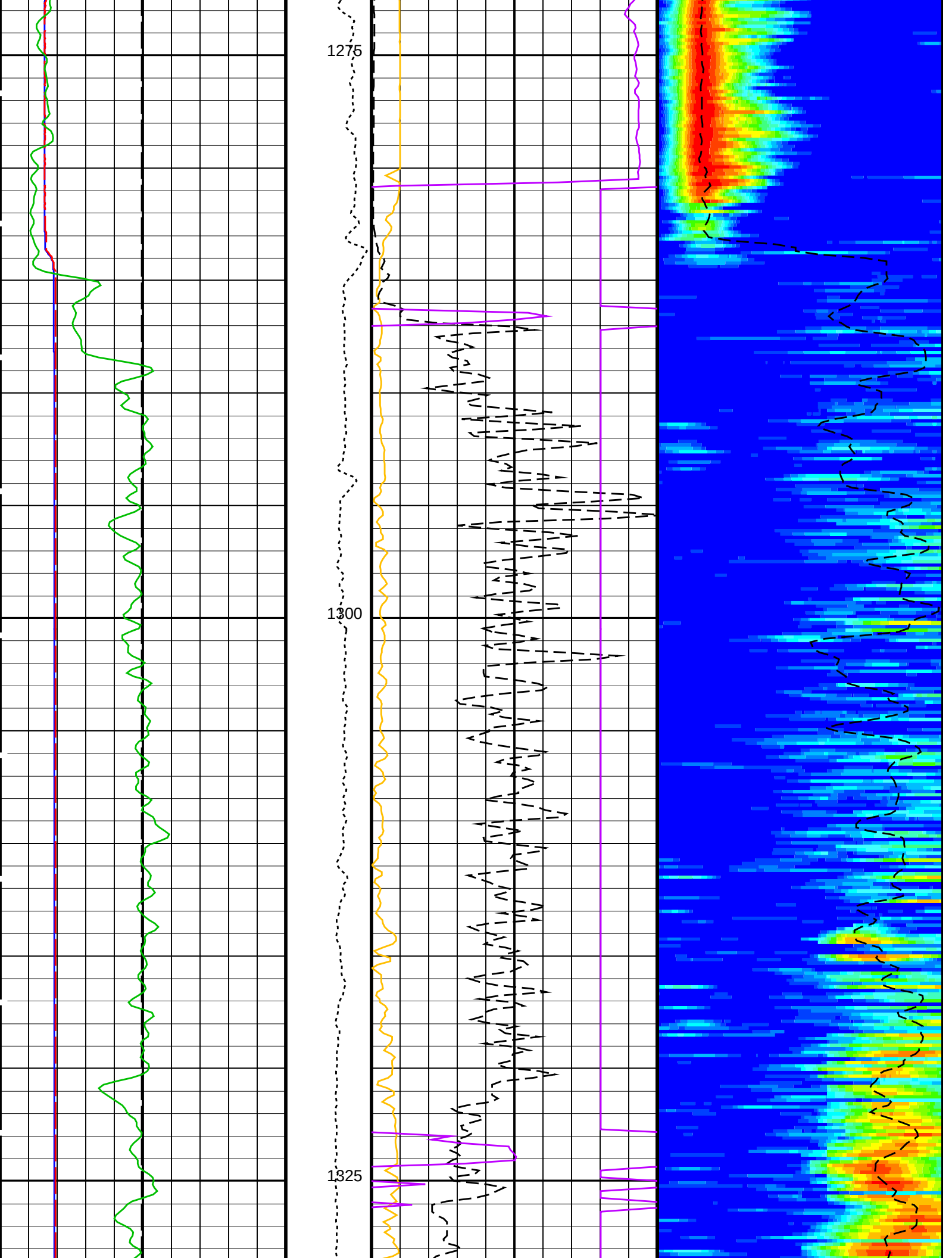
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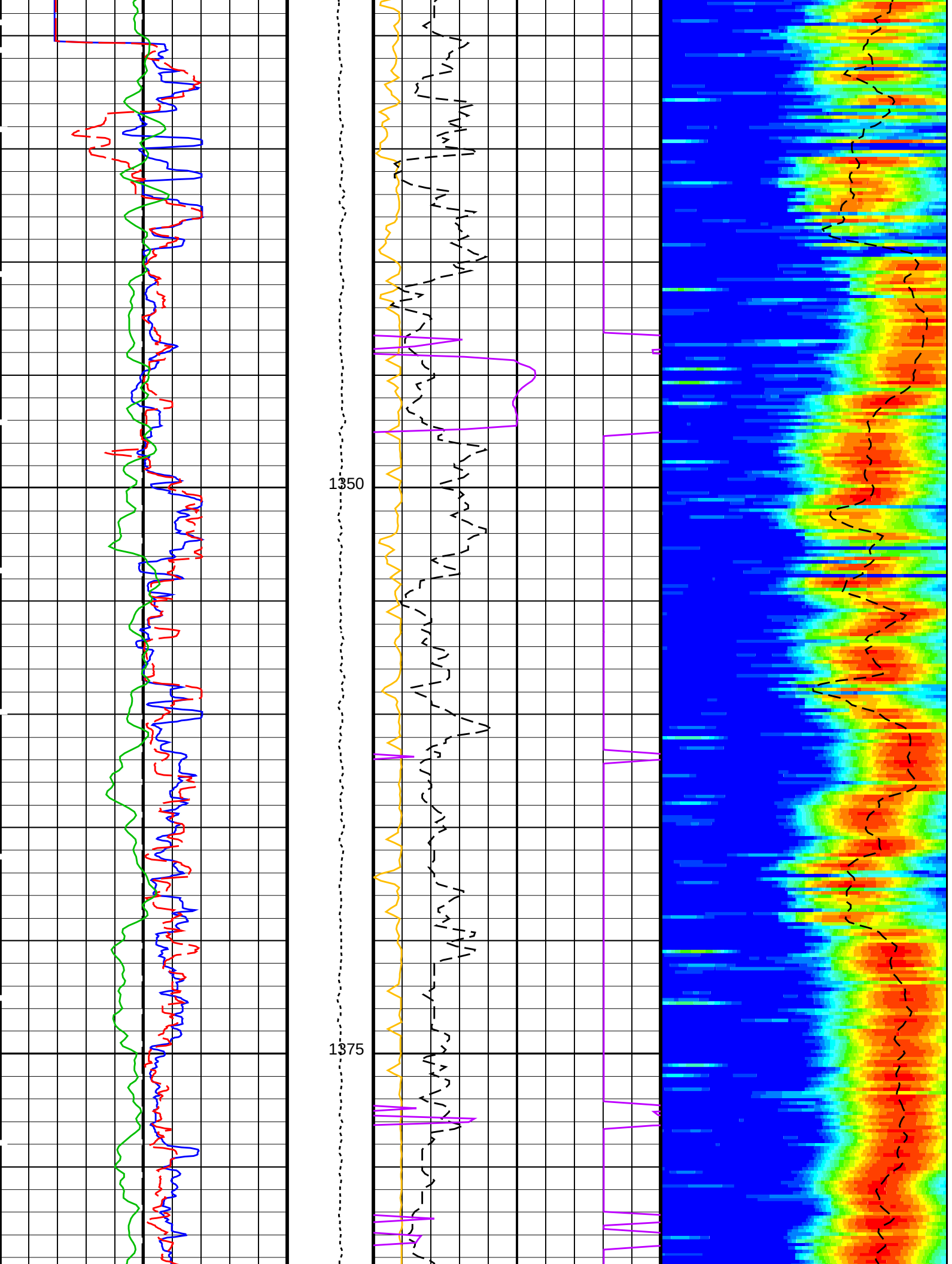
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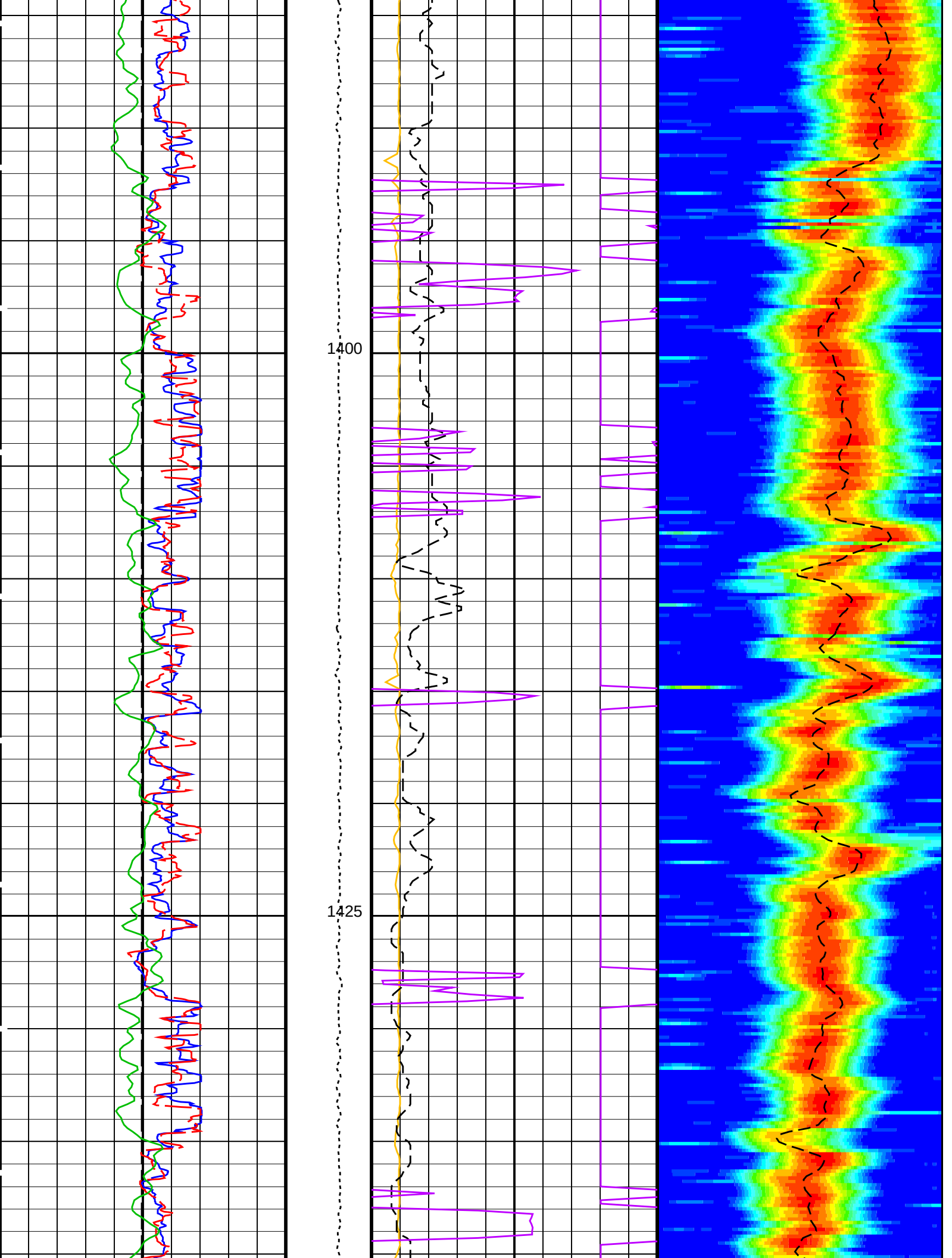
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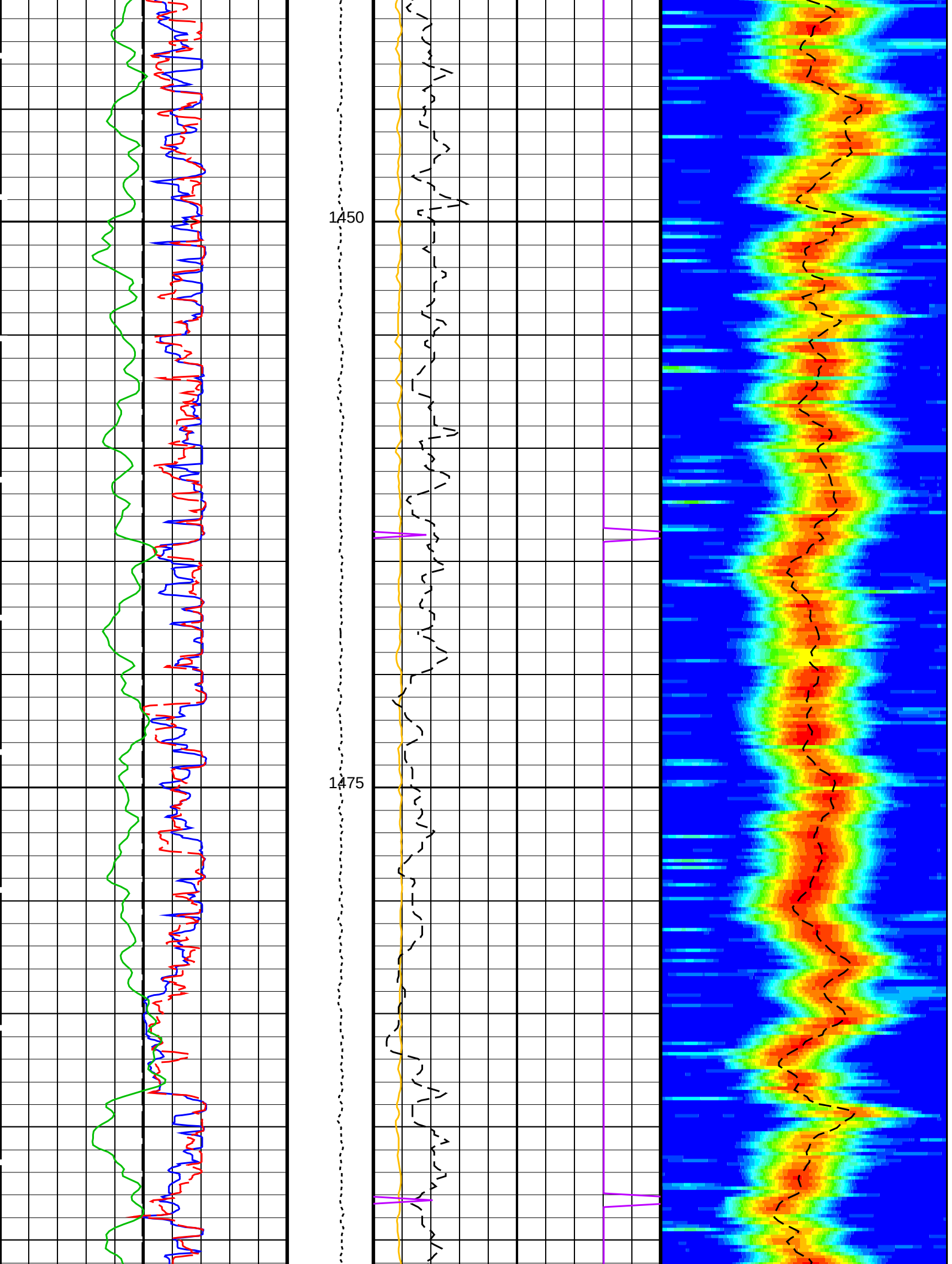
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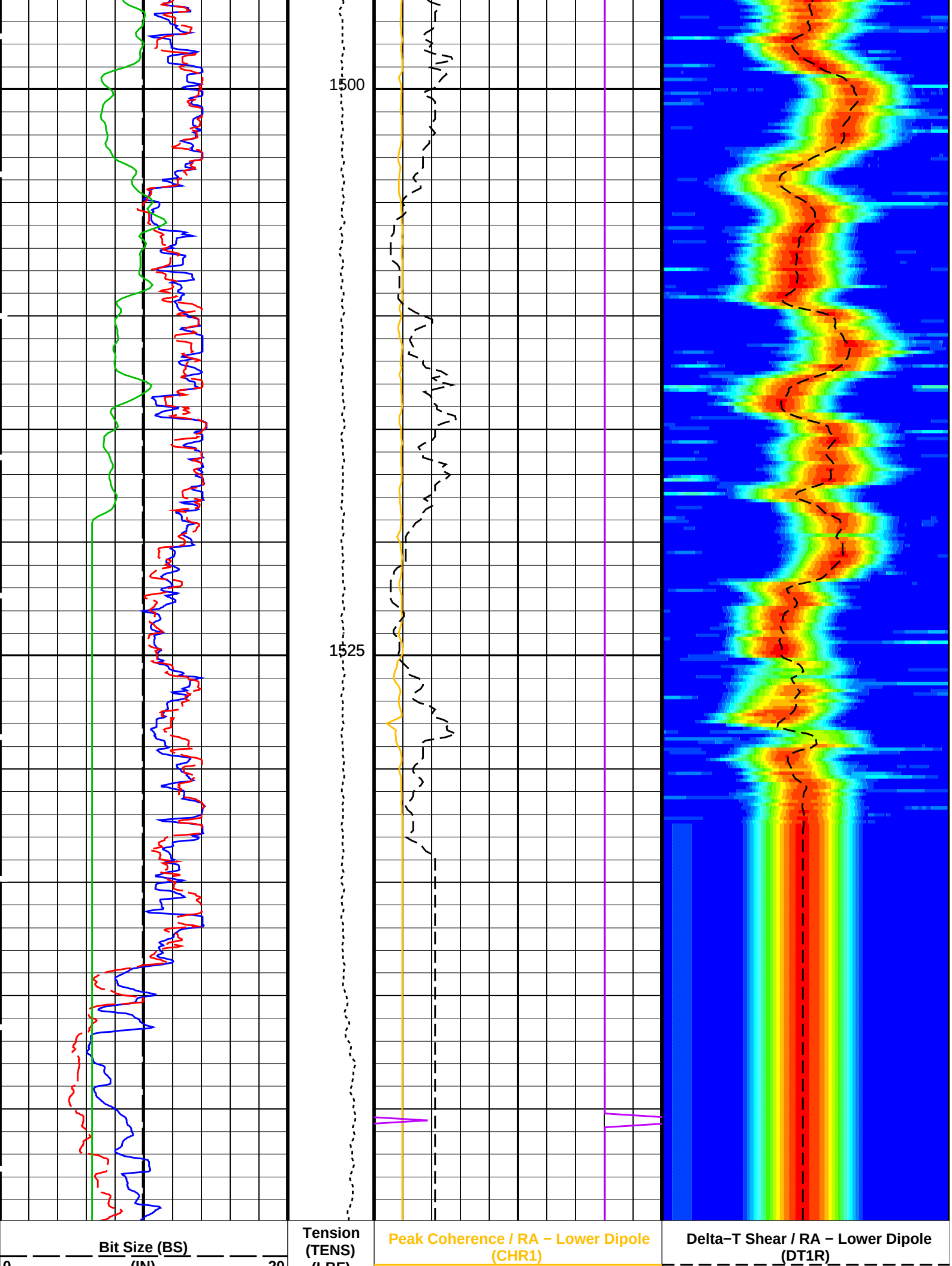
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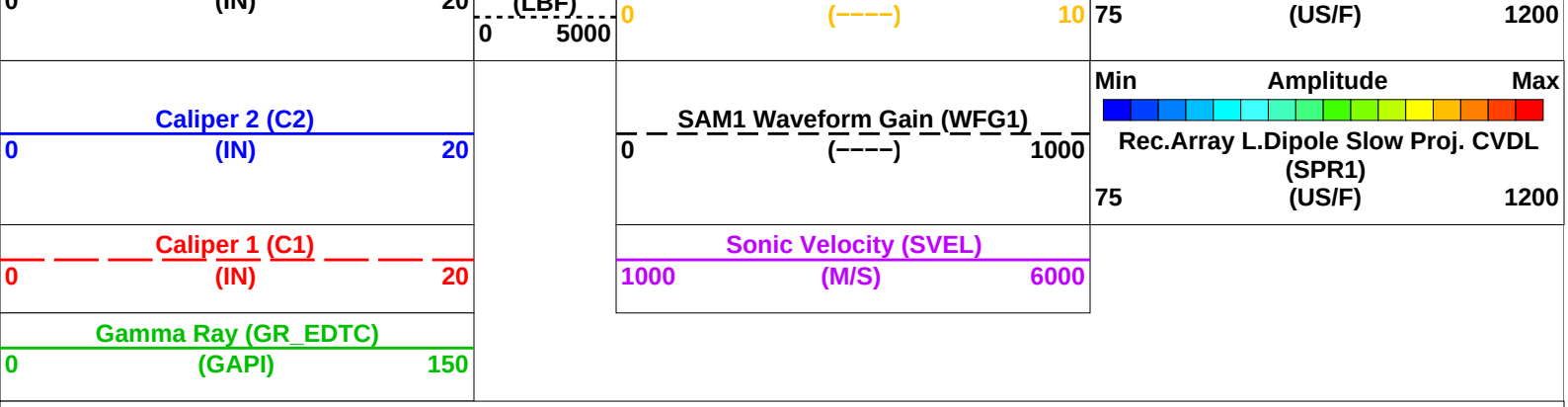
Bit Size (BS)
Tension (TENS)
Peak Coherence / RA − Lower Dipole (CHR1)
Delta−T Shear / RA − Lower Dipole (DT1R)



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	40	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 − Lower Dipole Mode	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: 20−Jun−2024 01:06

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	19C0−187

Output DLIS Files

DEFAULT	EMS_DSI_NGS_034LUP	FN:41	PRODUCER 20−Jun−2024 01:06

RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06		

Company: International Ocean Discovery Program **Well: Expedition 403, Site U1618B**

Output DLIS Files

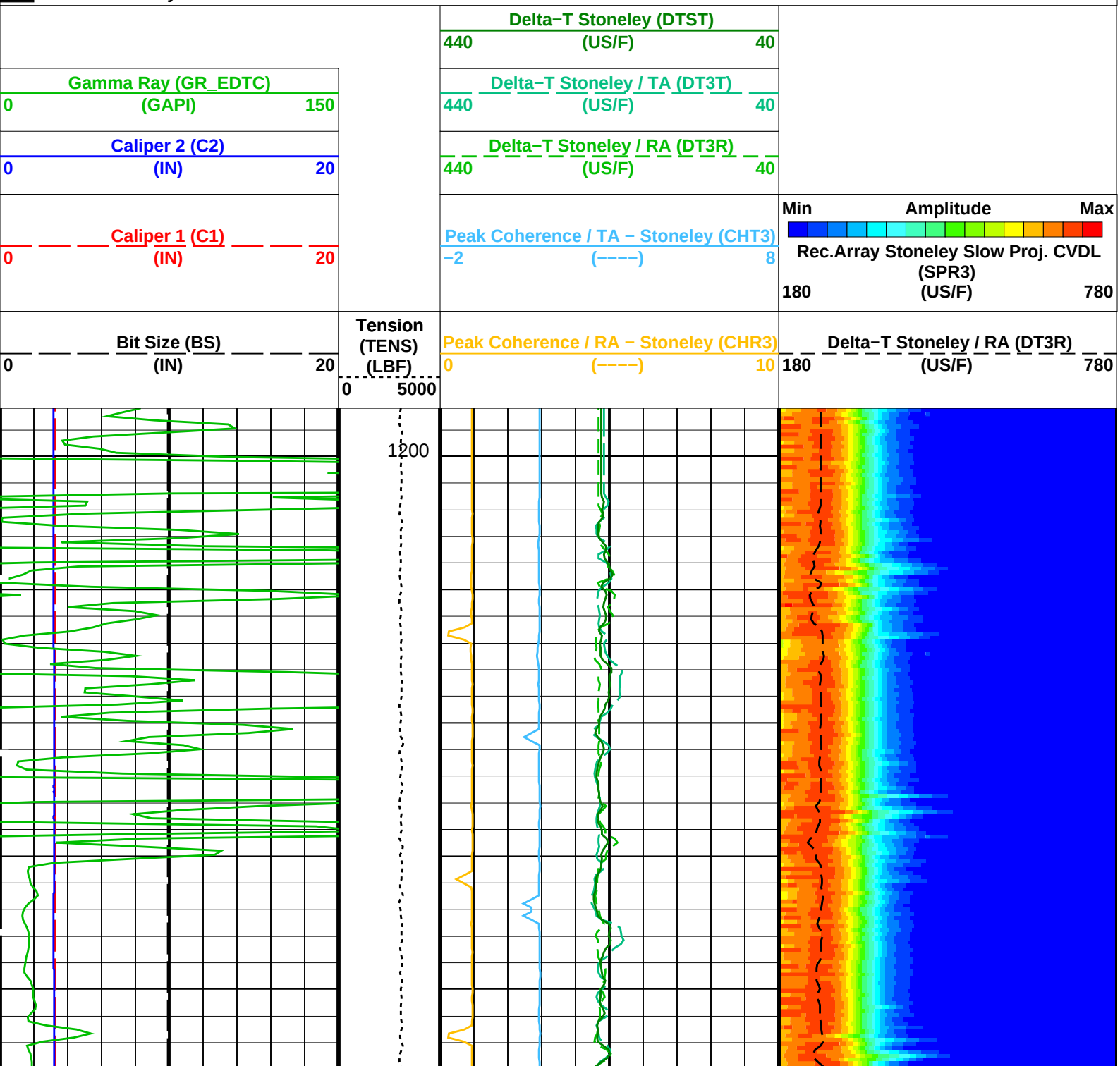
DEFAULT	FMS_DSI_NGS_034LUP	FN:41	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M
RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M

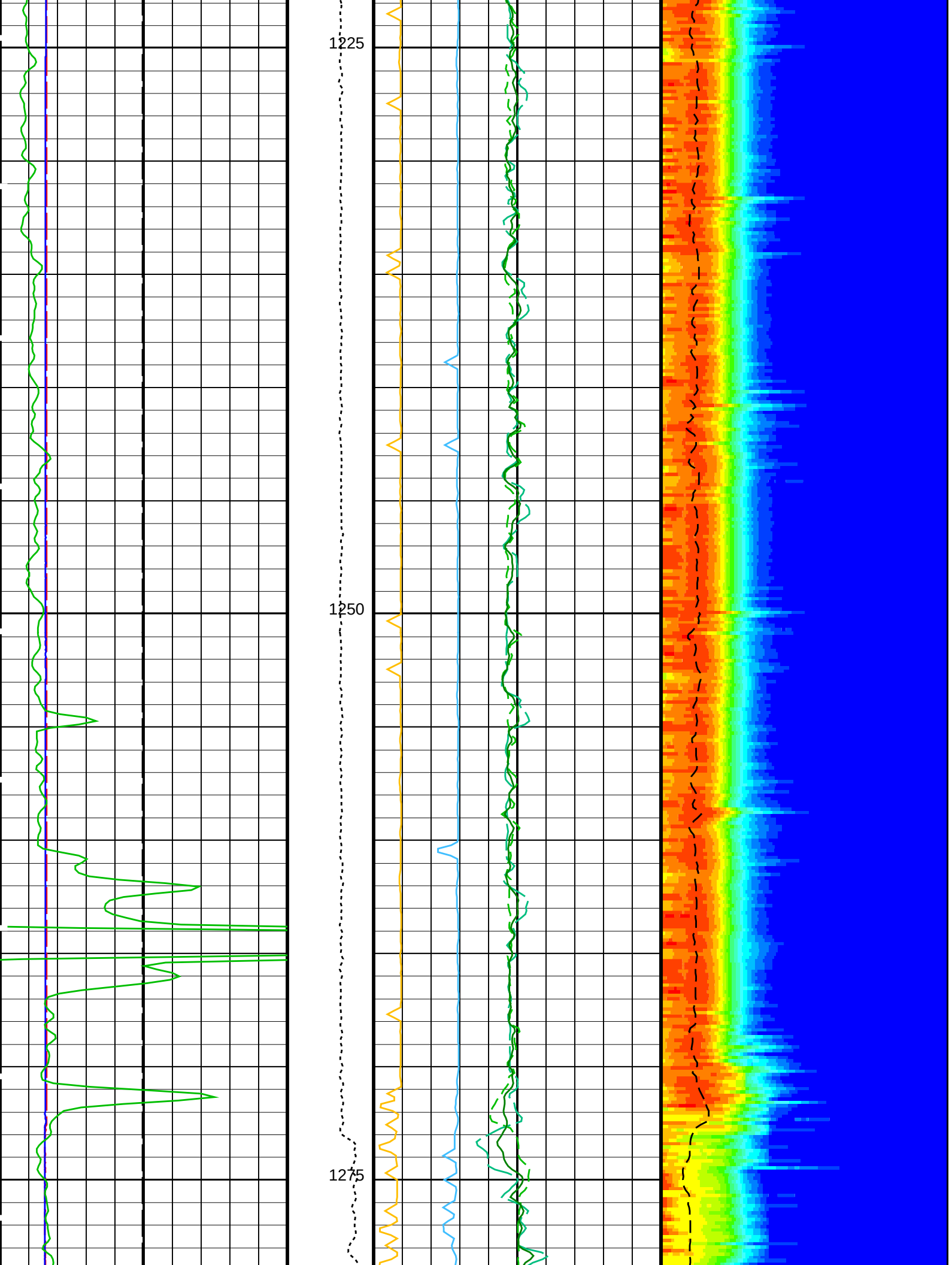
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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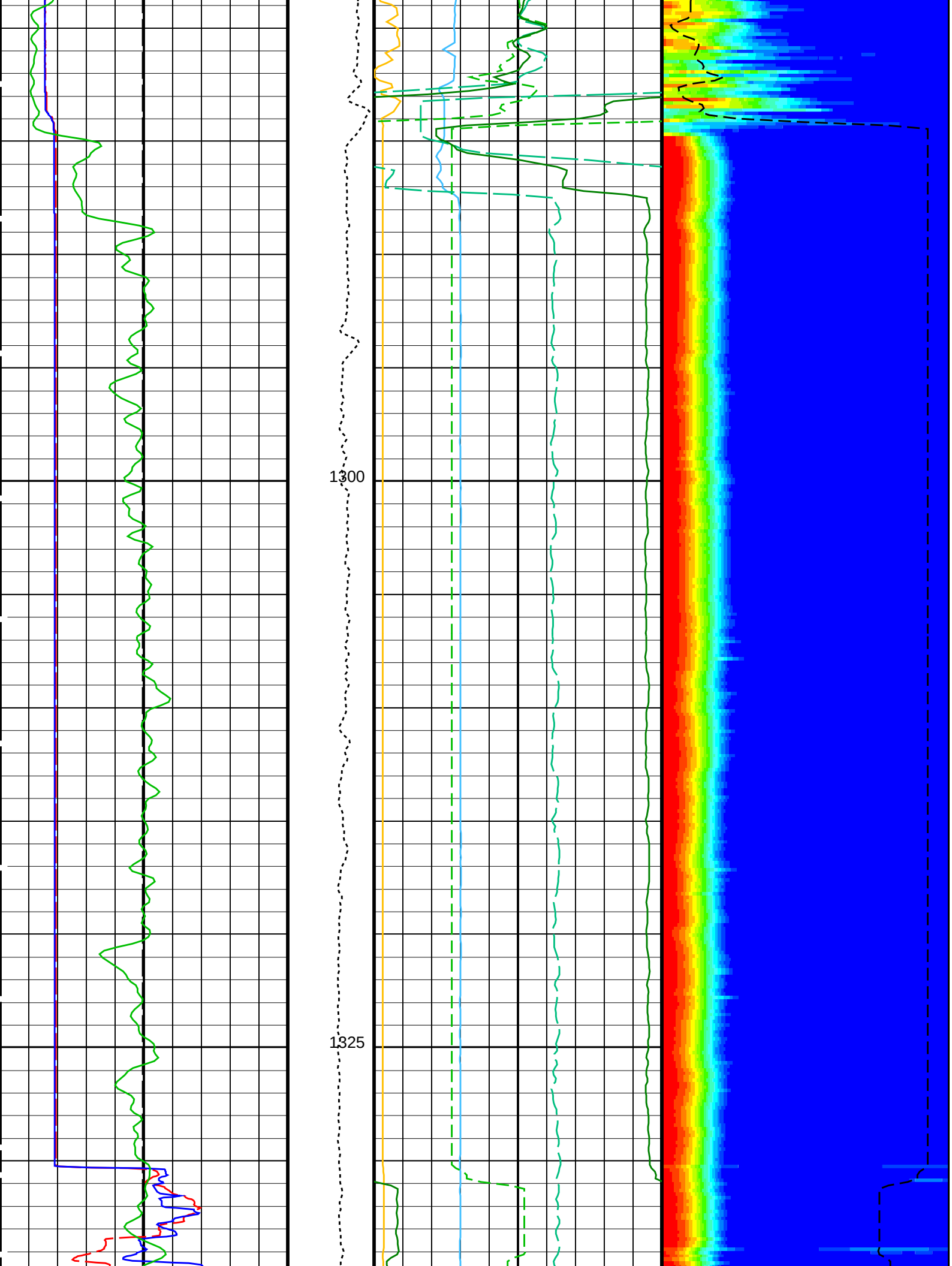
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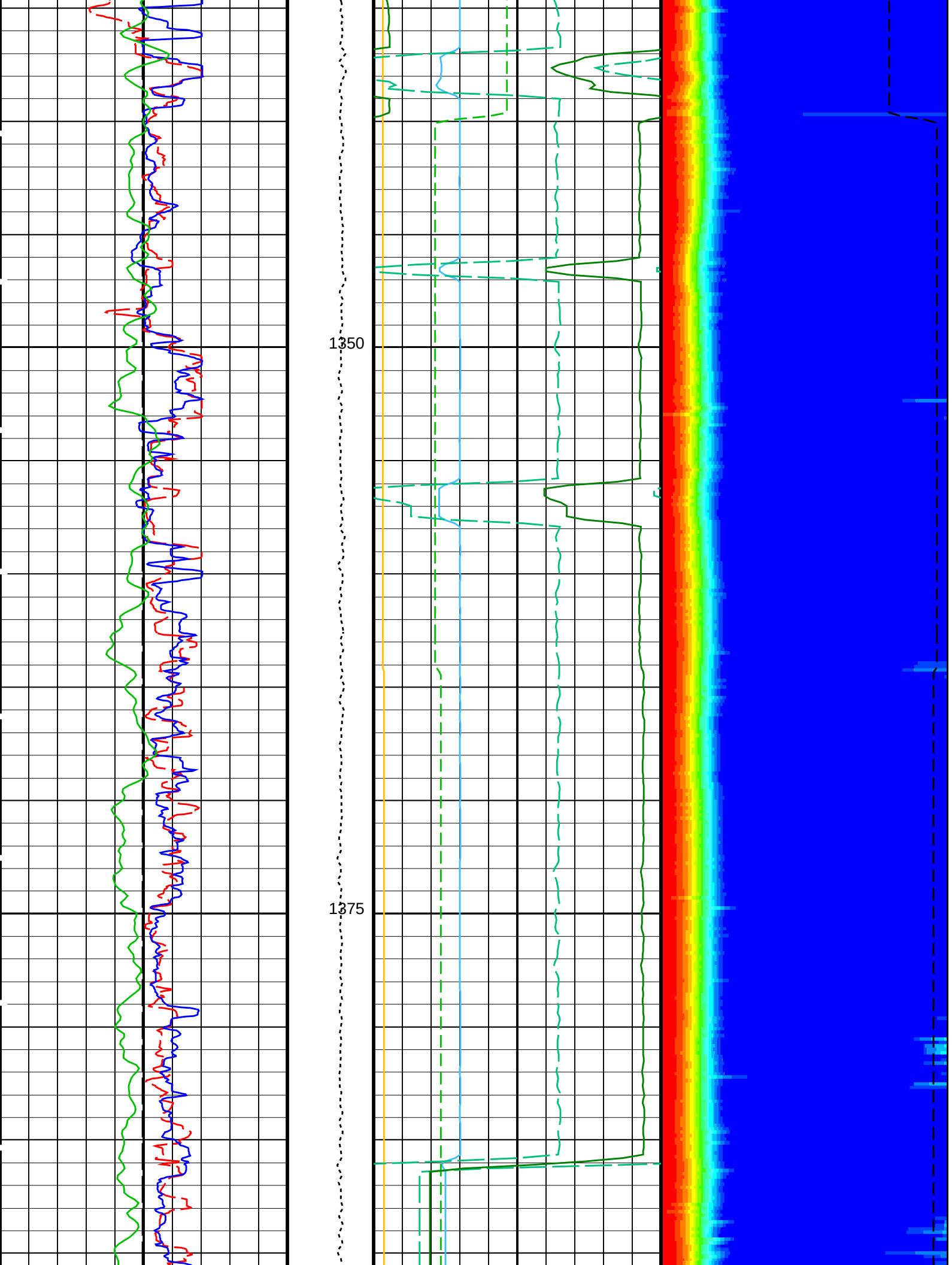
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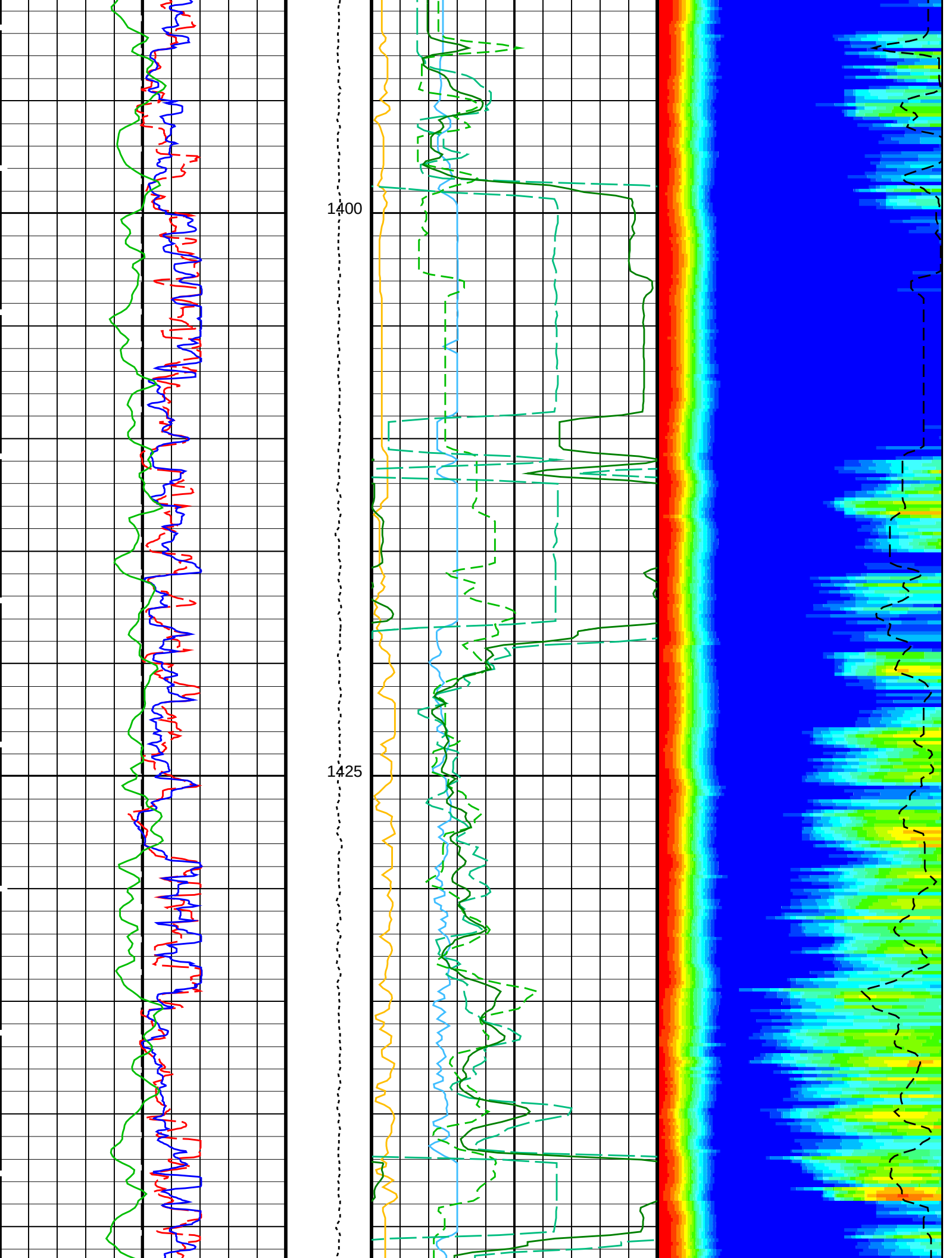
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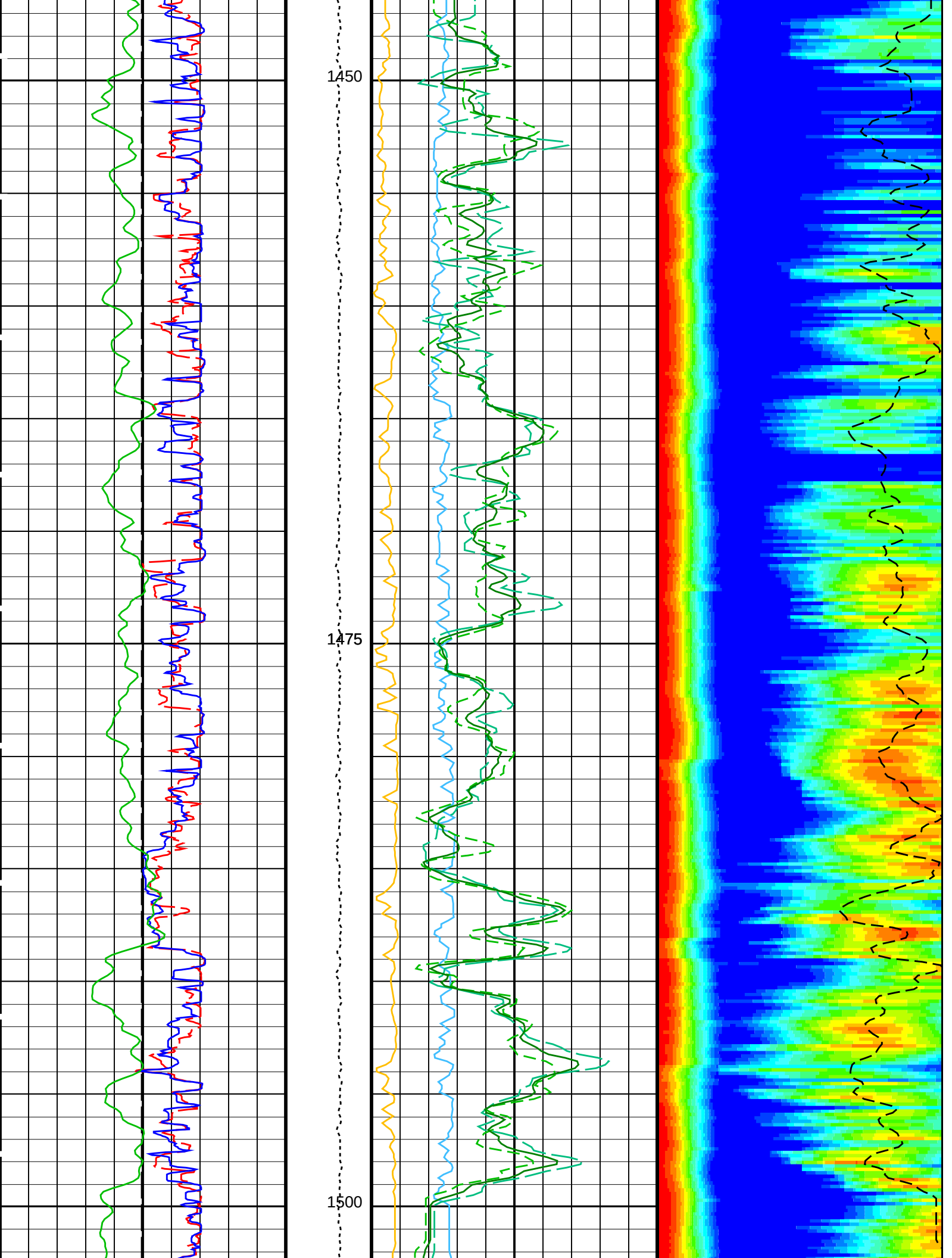
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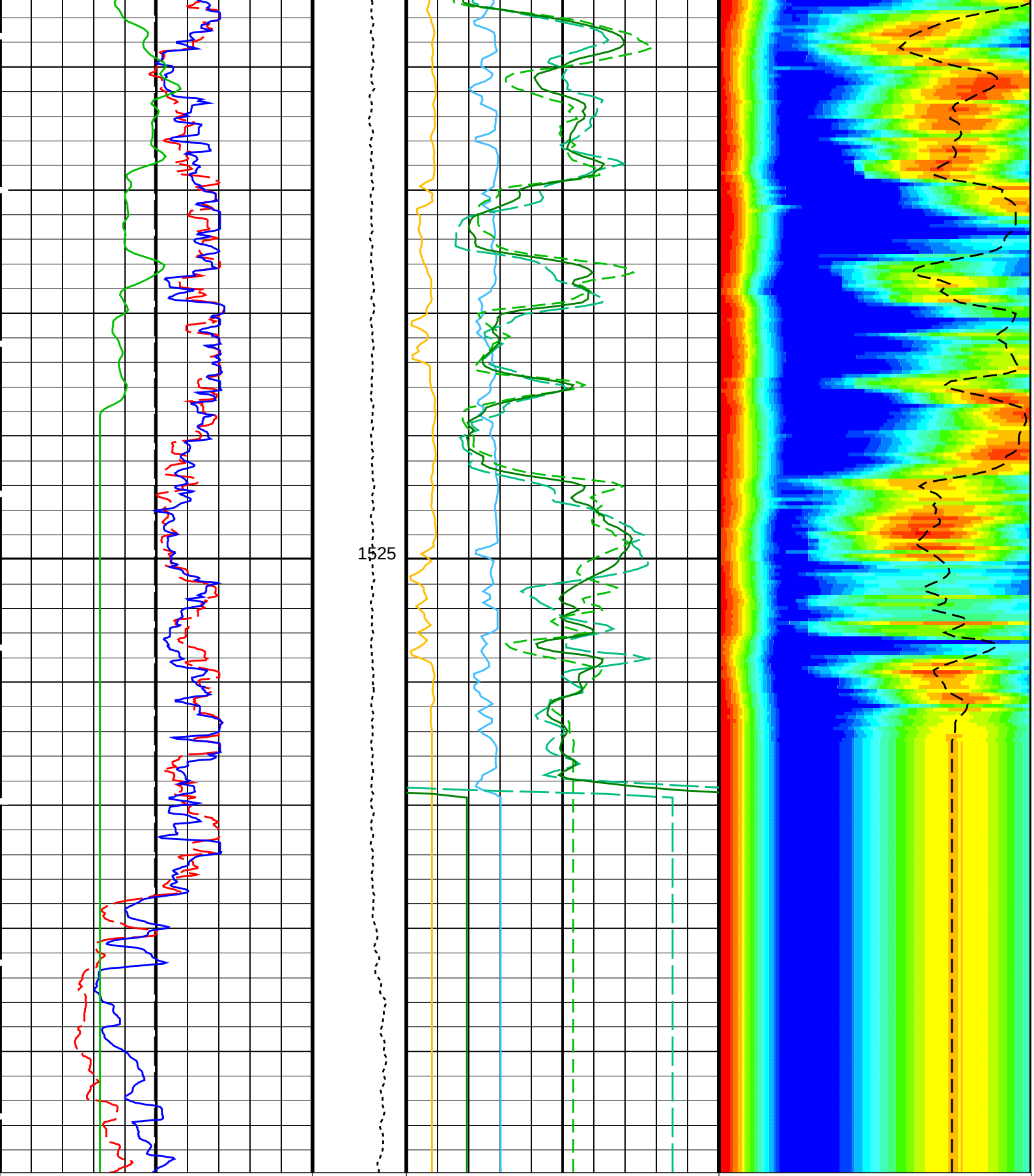


Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Stoneley (CHR3)	Delta−T Stoneley / RA (DT3R)
0 (IN) 20	(LBF) 0 5000	0 (−−−−) 10	180 (US/F) 780
Caliper 1 (C1)		**Peak Coherence / TA − Stoneley (CHT3)**	Min **Amplitude** Max
0 (IN) 20		−2 (−−−−) 8	Rec.Array Stoneley Slow Proj. CVDL (SPR3)
			180 (US/F) 780

Caliper 2 (C2)		
0	(IN)	20

Gamma Ray (GR_EDTC)		
0	(GAPI)	150

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

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: 20−Jun−2024 01:06**

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	19C0−187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034LUP	FN:41	PRODUCER	20−Jun−2024 01:06
RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06

Output DLIS Files

Output DLIS Files

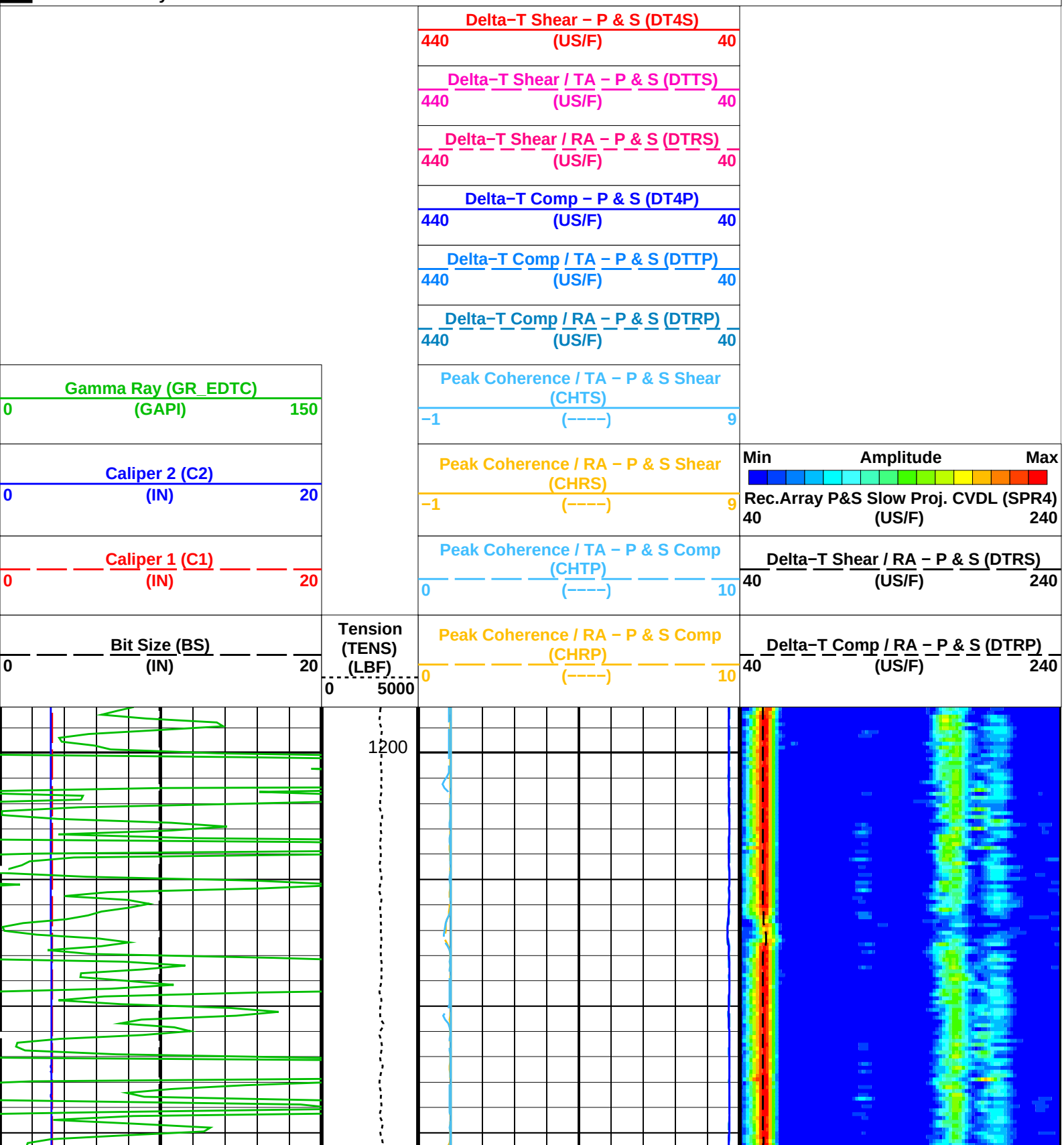
DEFAULT	FMS_DSI_NGS_034LUP	FN:41	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M
RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M

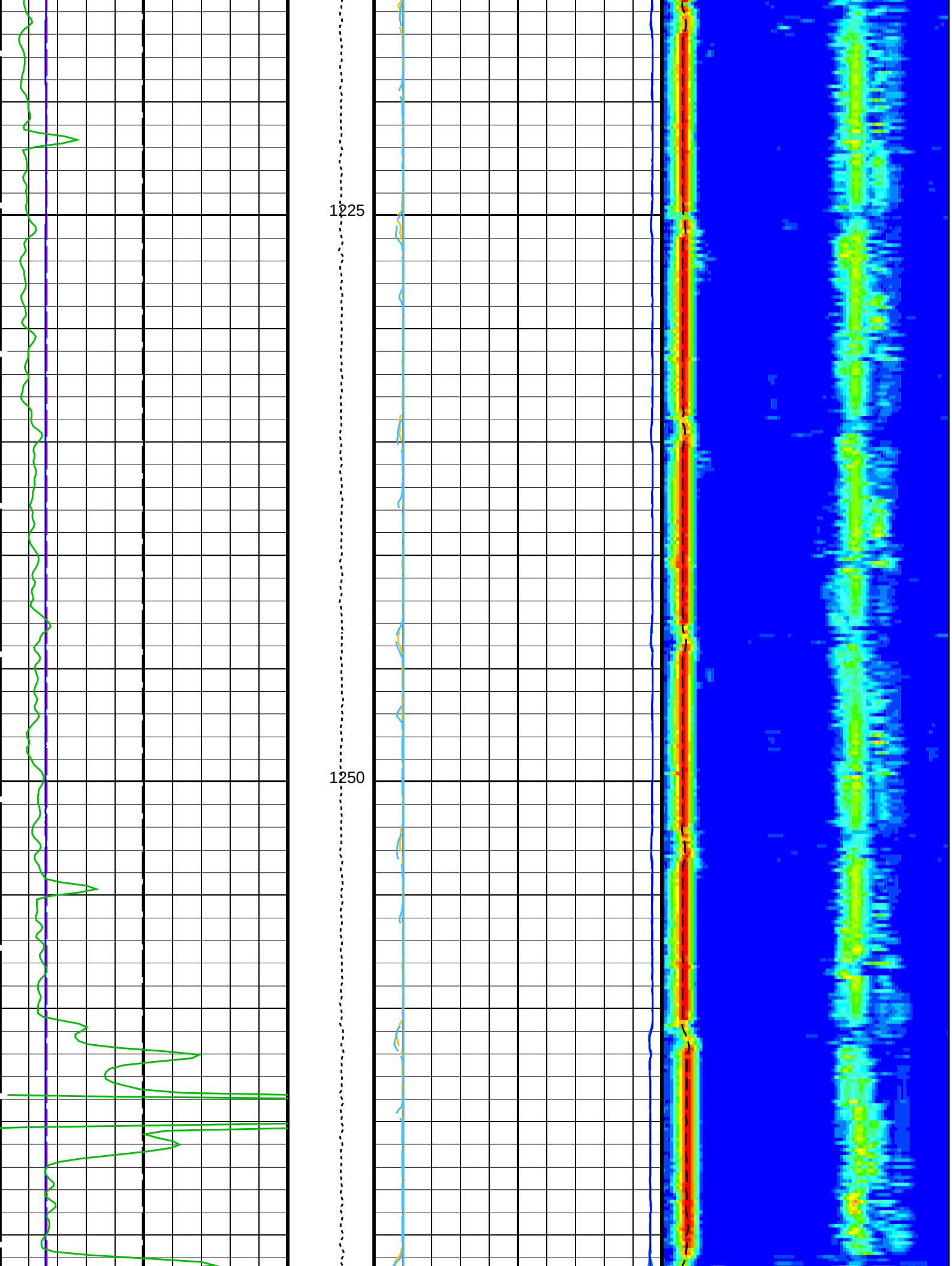
OP System Version: 19C0−187

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

PIP SUMMARY

Time Mark Every 60 S

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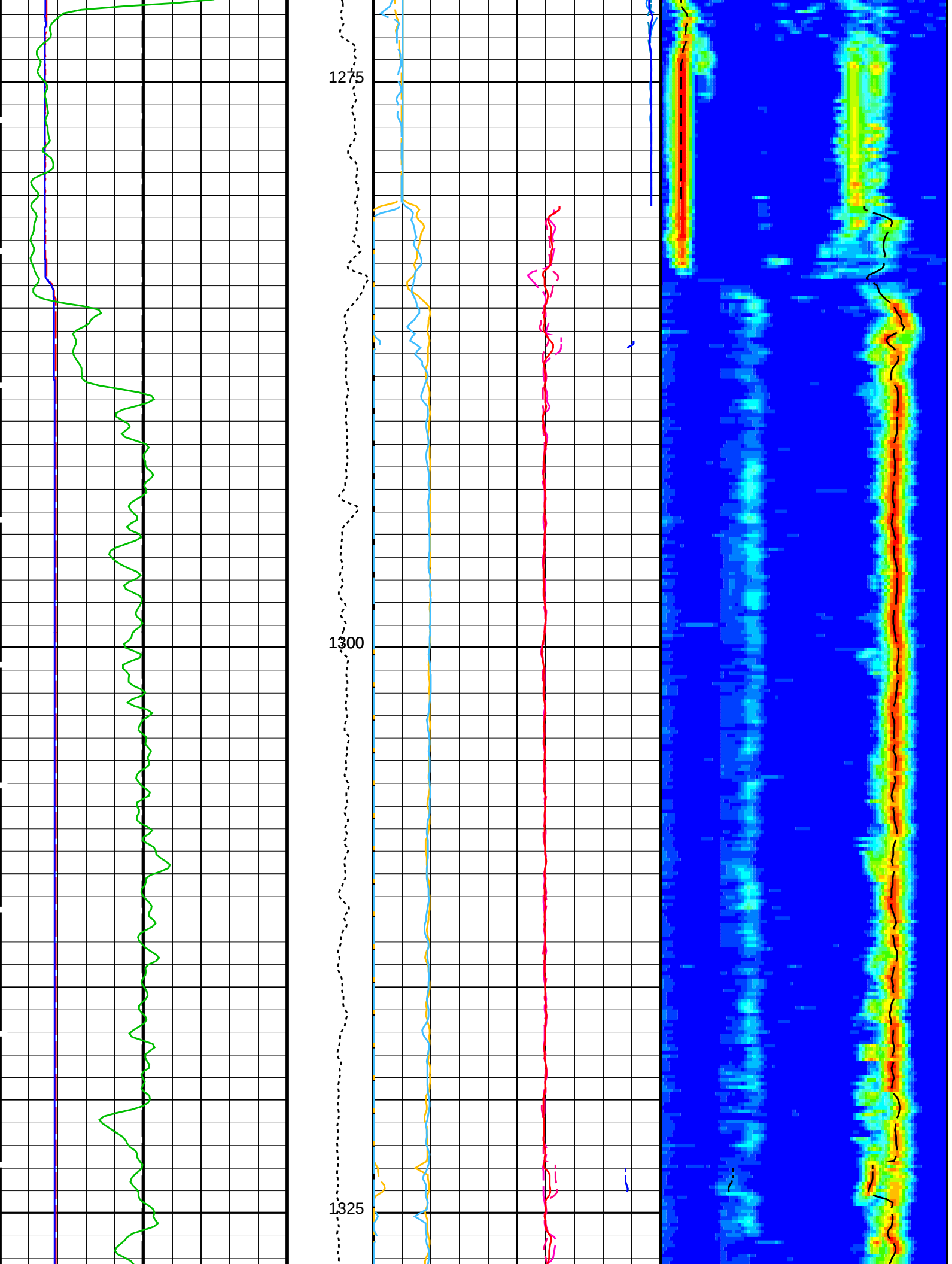
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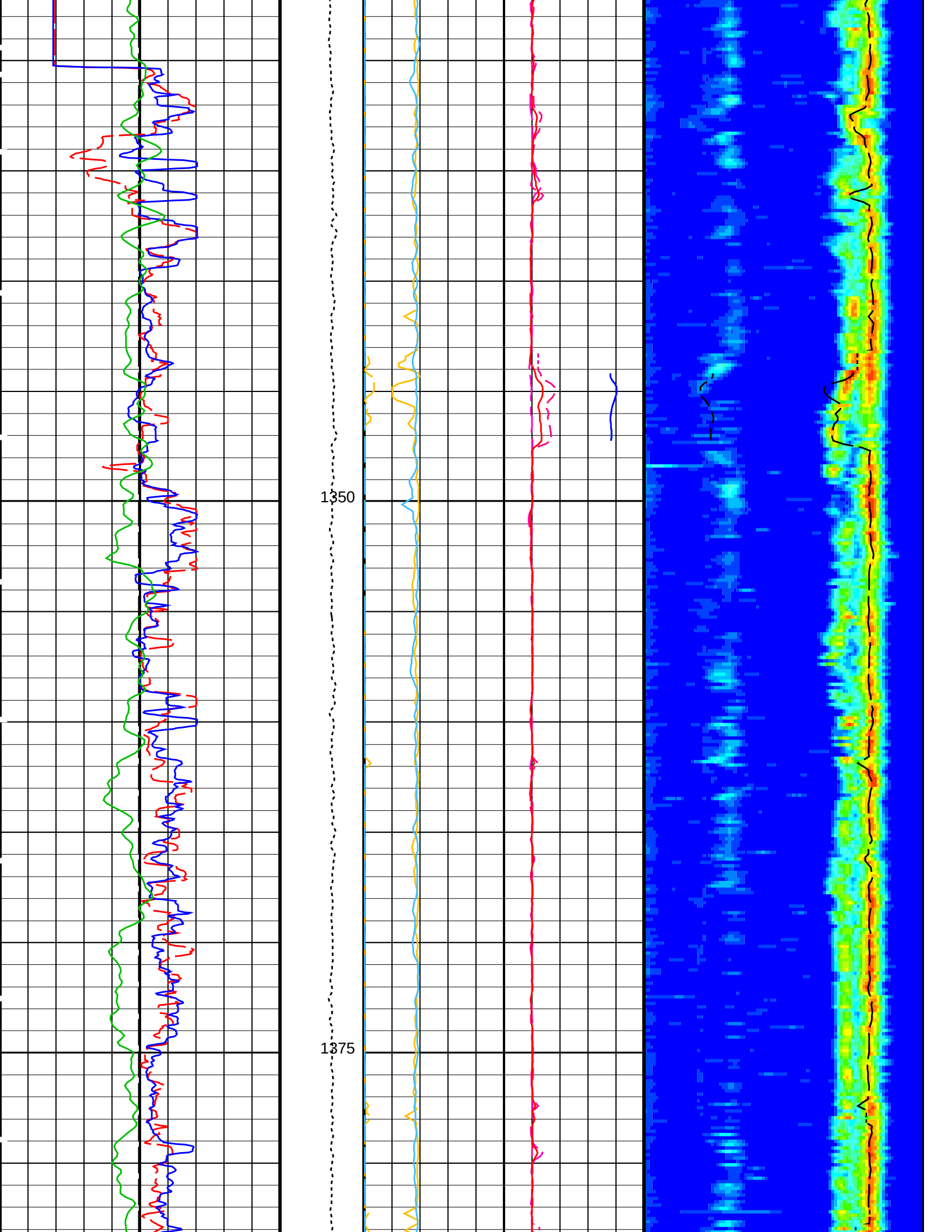
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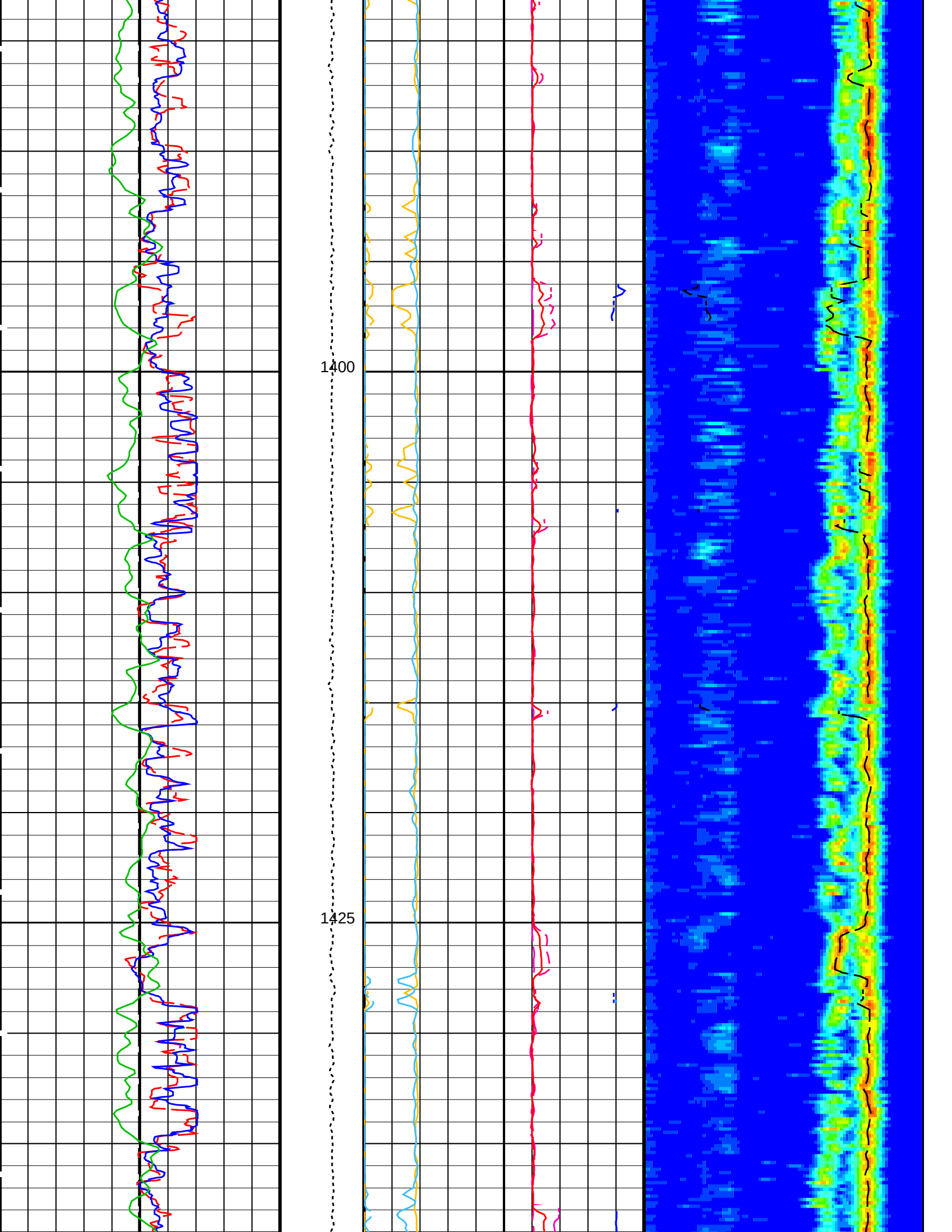
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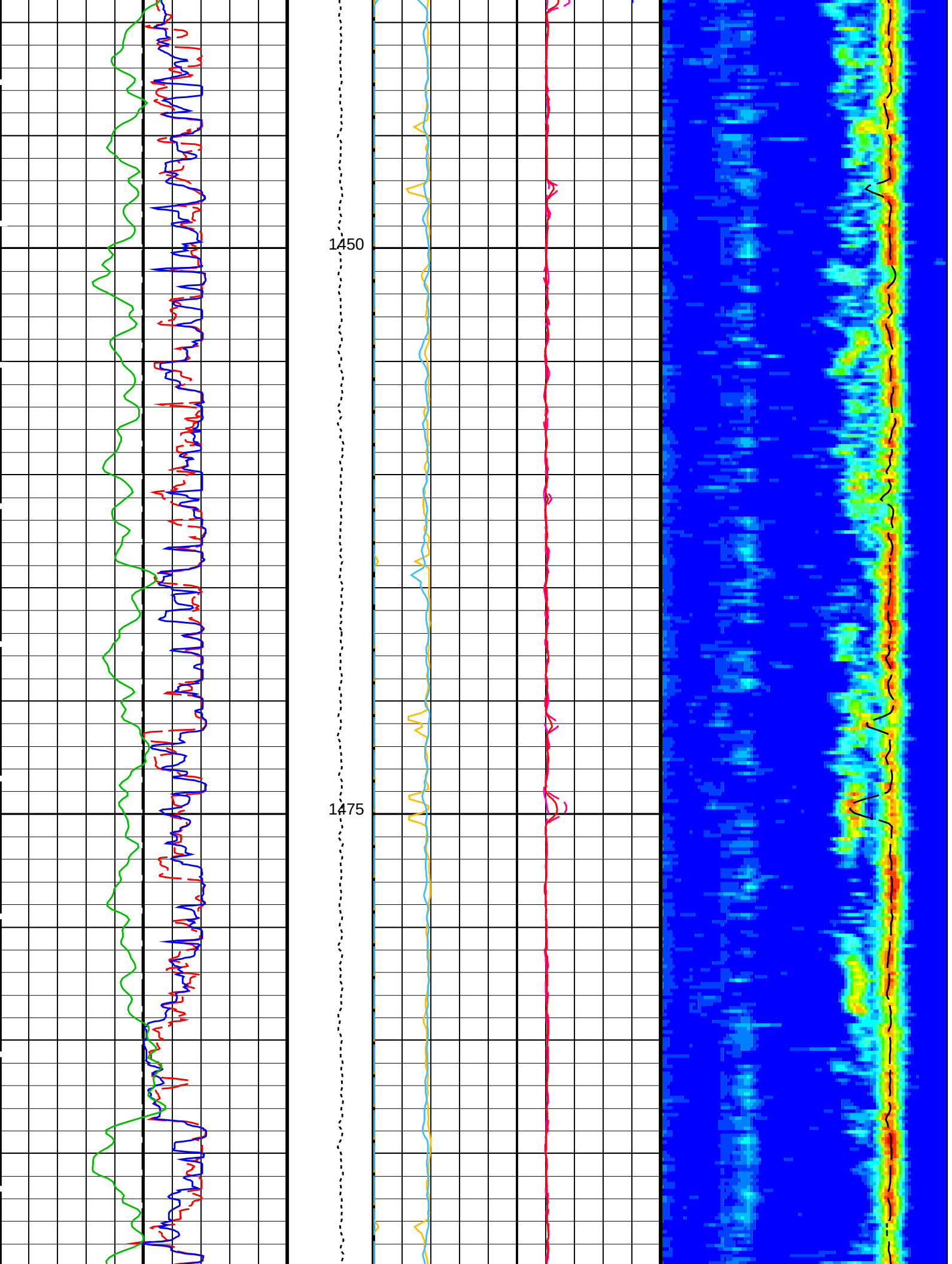
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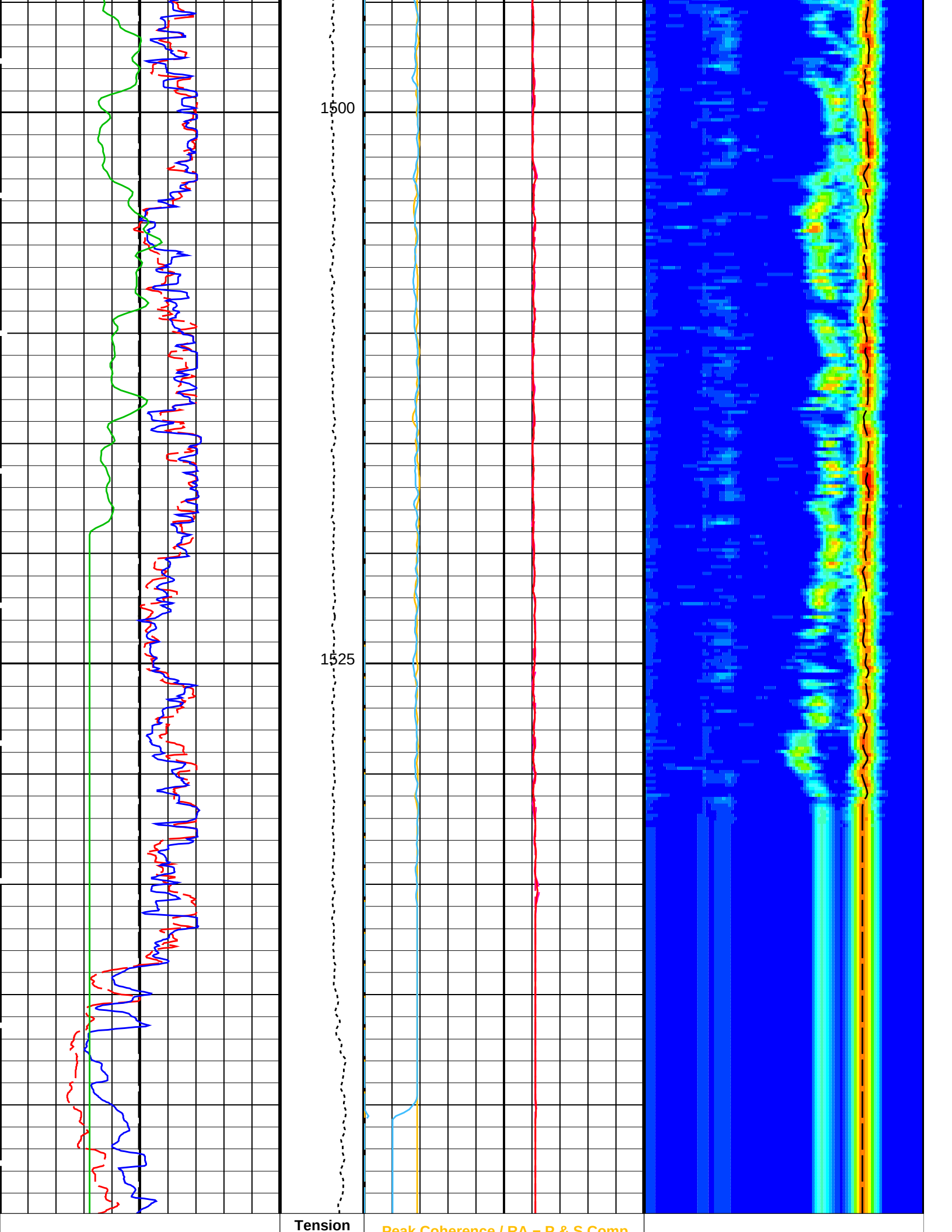
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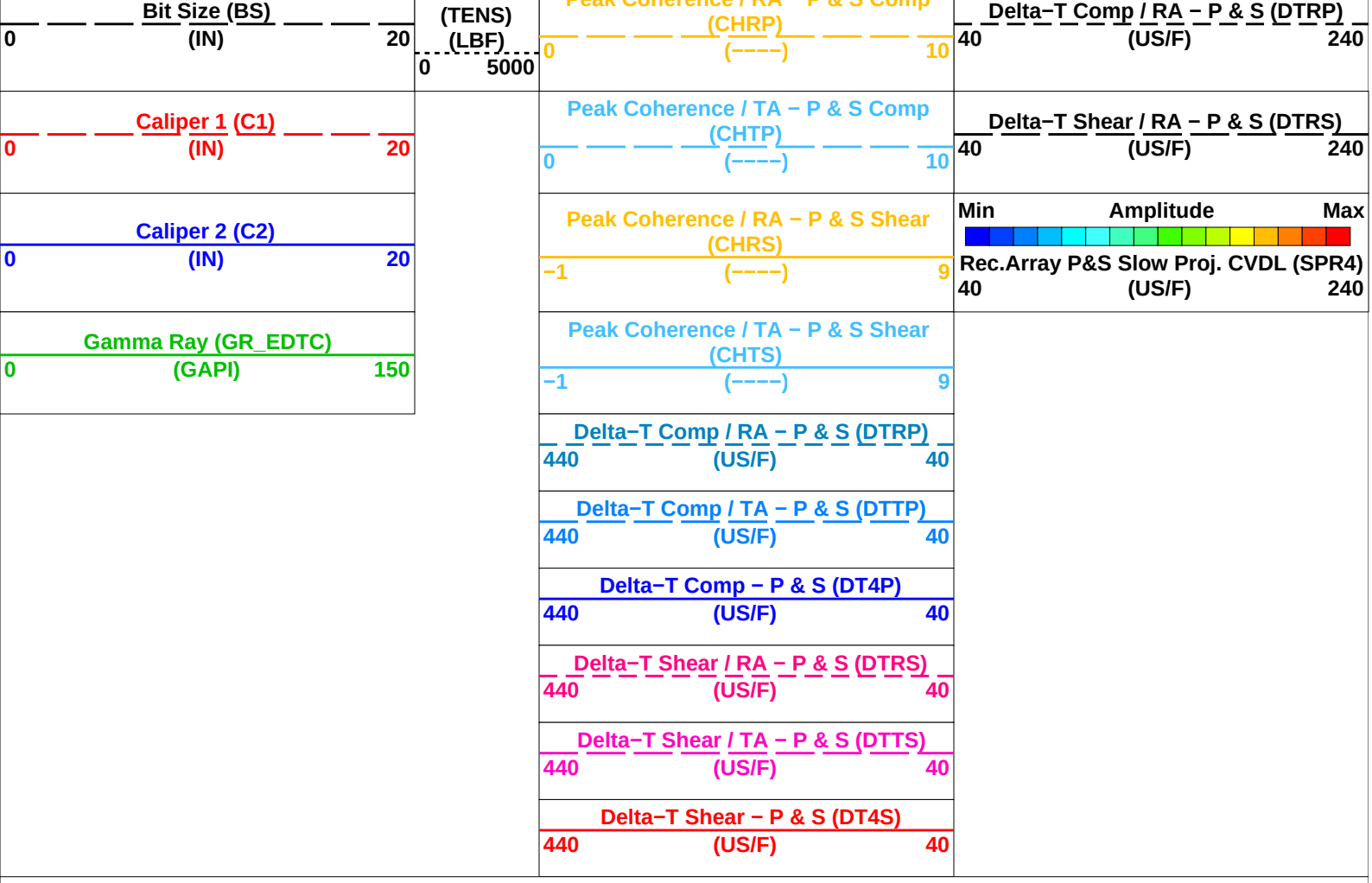
Tension
Peak Coherence / RA = P & S Comp



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	90	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_SHEAR	
LFC	Label Formation Character − Monopole P&S	DYNAMIC	
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	130	US/F
SHUL	Label Slowness Upper Limit − Monopole P&S Shear	240	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: 20−Jun−2024 01:06

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	19C0−187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034LUP	FN:41	PRODUCER	20−Jun−2024 01:06		
RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06		

Company: International Ocean Discovery Program Well: Expedition 403, Site U1618B

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034LUP	FN:41	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M
RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06	1549.9 M	1198.2 M

OP System Version: 19C0−187

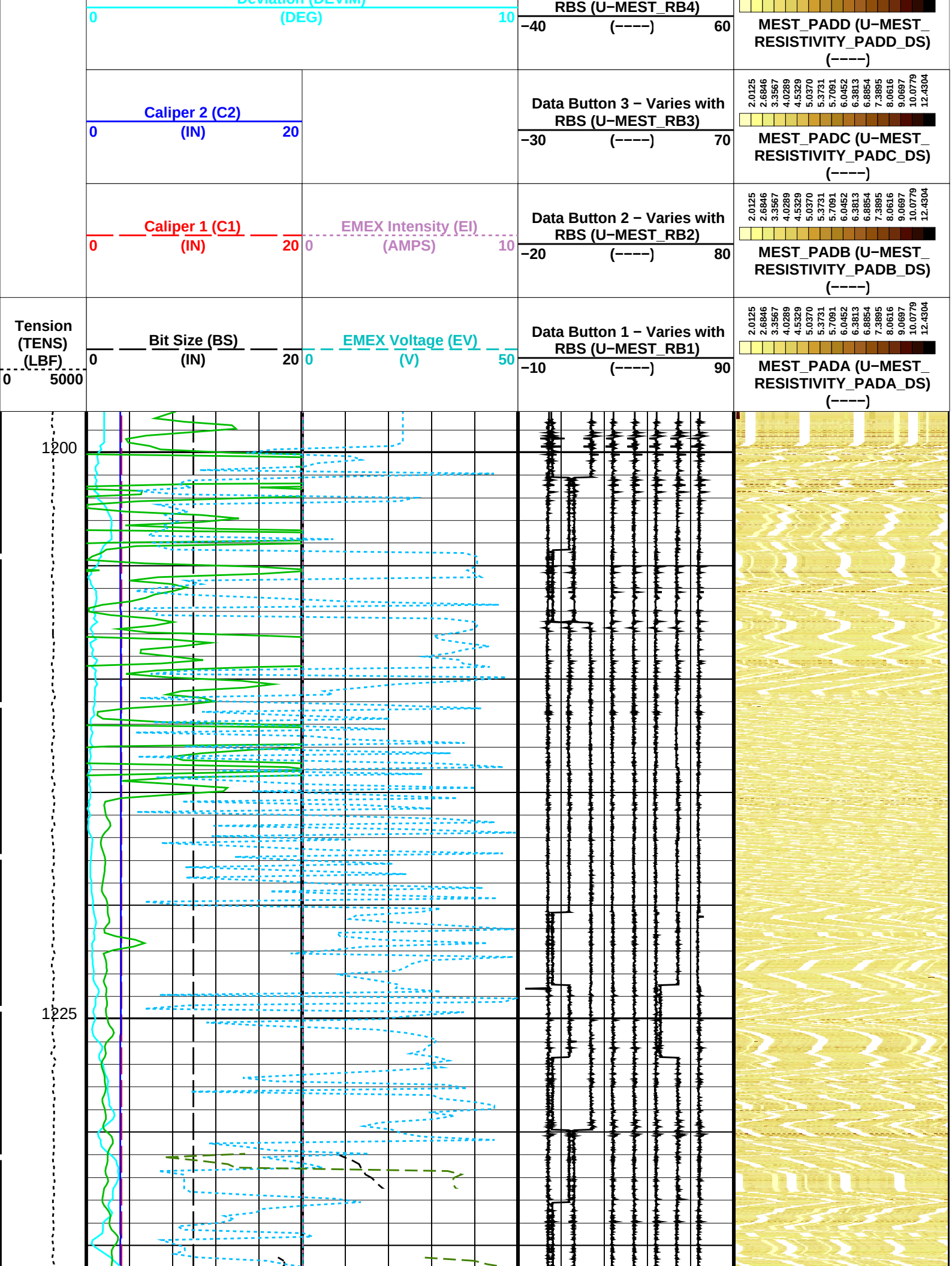
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	EDTC−B	19C0−187

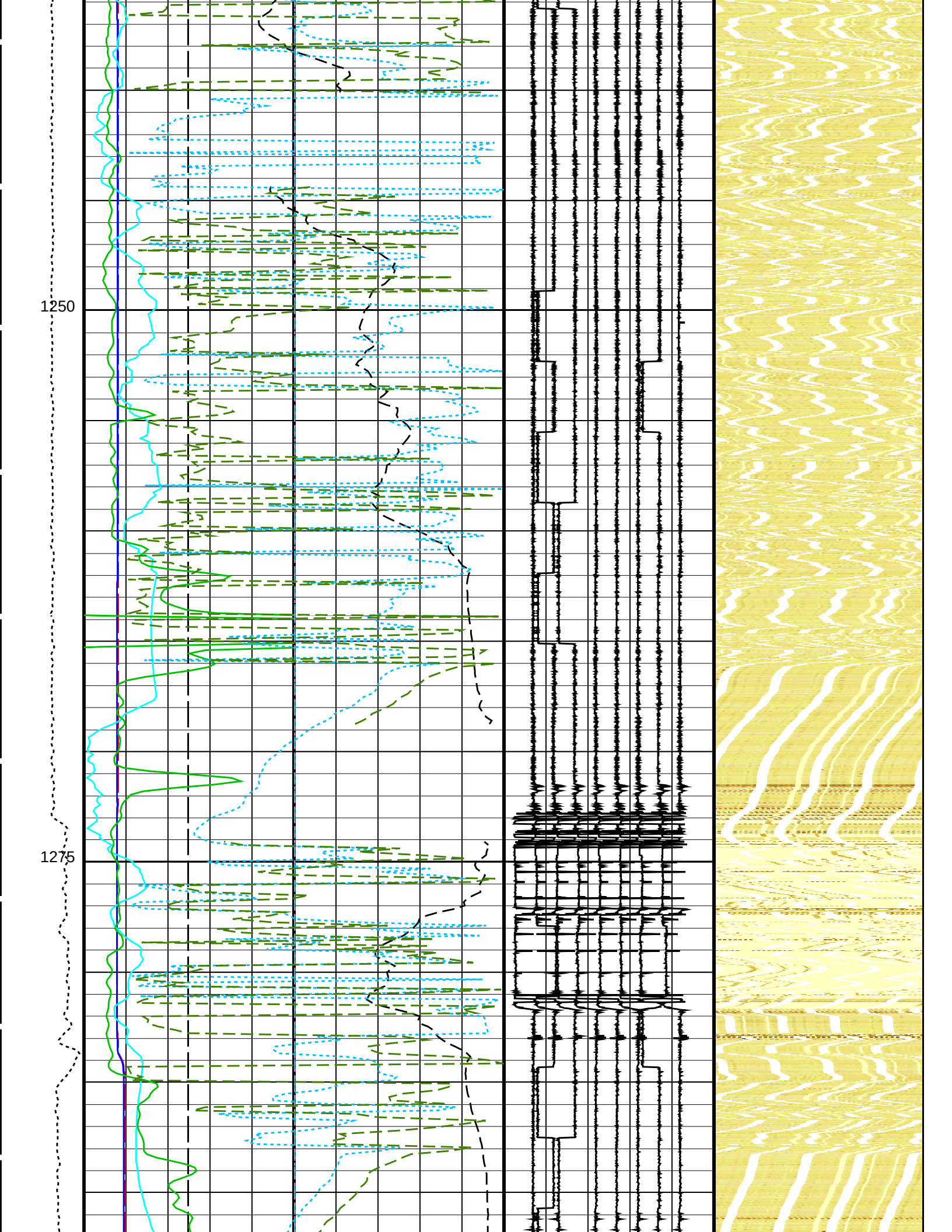
PIP SUMMARY

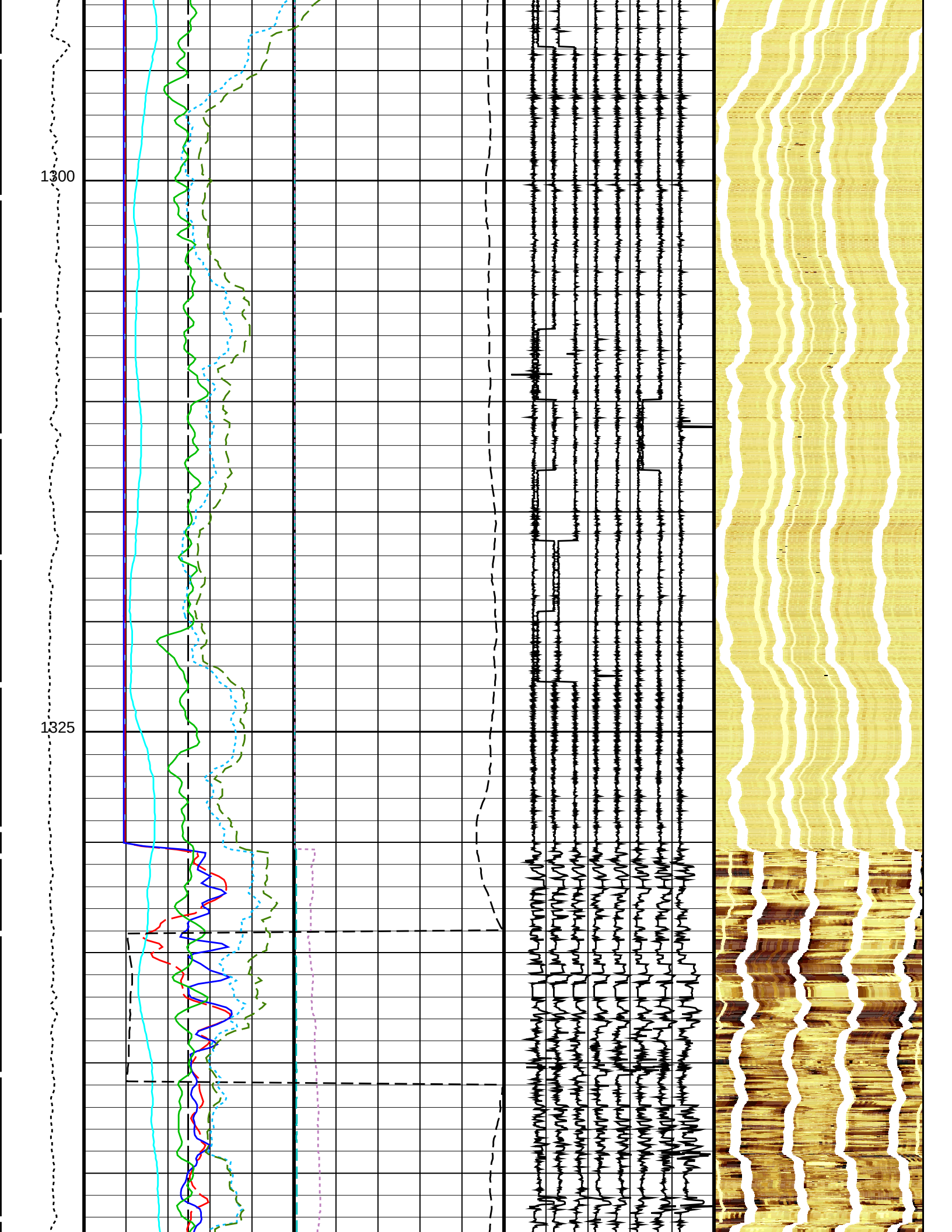
Time Mark Every 60 S

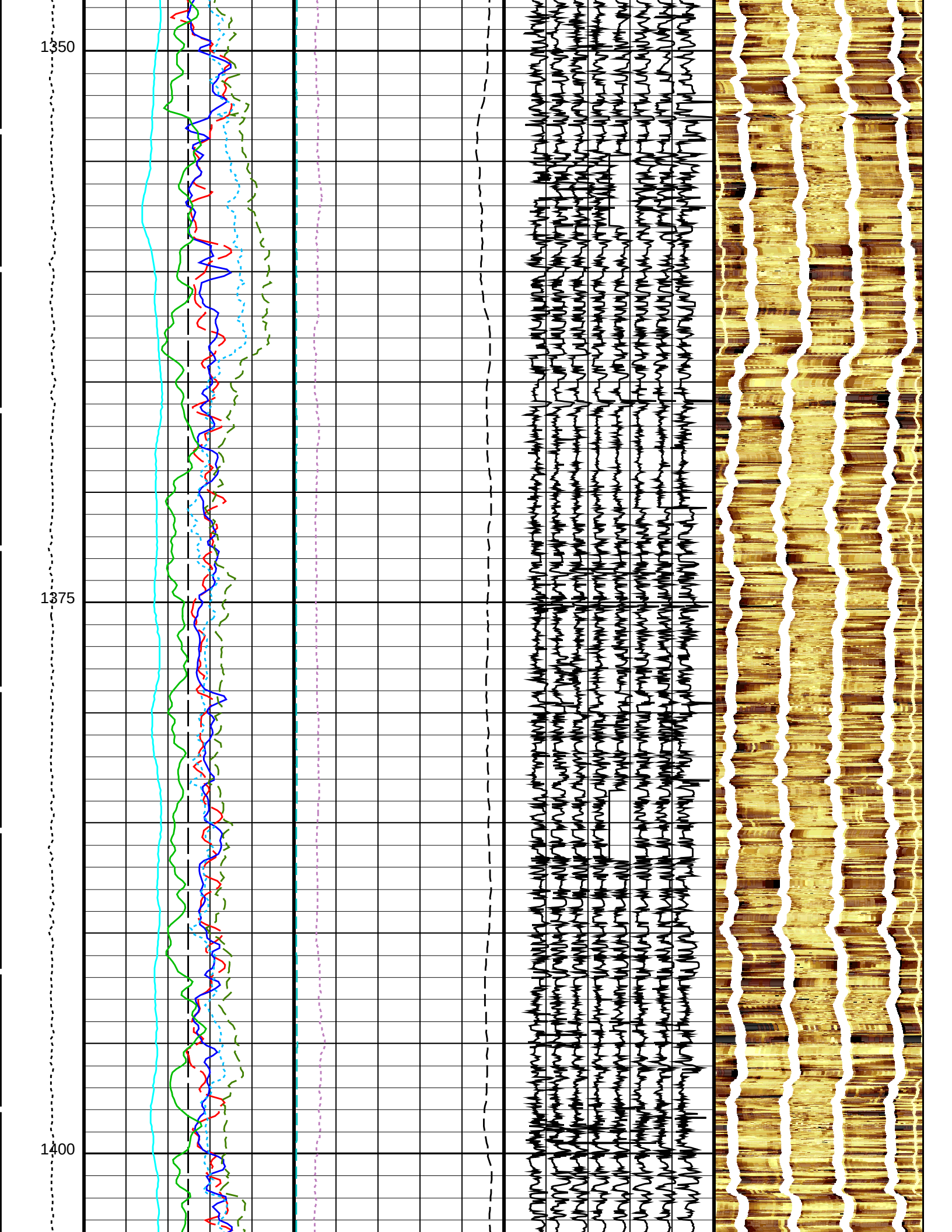
Relative Bearing (RB_MEST)		Data Button 8 − Varies with RBS (U−MEST_RB8)
−40 (DEG) 360		−80 (−−−−) 20
Pad One Azimuth (P1AZ_MEST)		Data Button 7 − Varies with RBS (U−MEST_RB7)
−40 (DEG) 360		−70 (−−−−) 30
Hole Azimuth (HAZIM)		Data Button 6 − Varies with RBS (U−MEST_RB6)
−40 (DEG) 360		−60 (−−−−) 40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

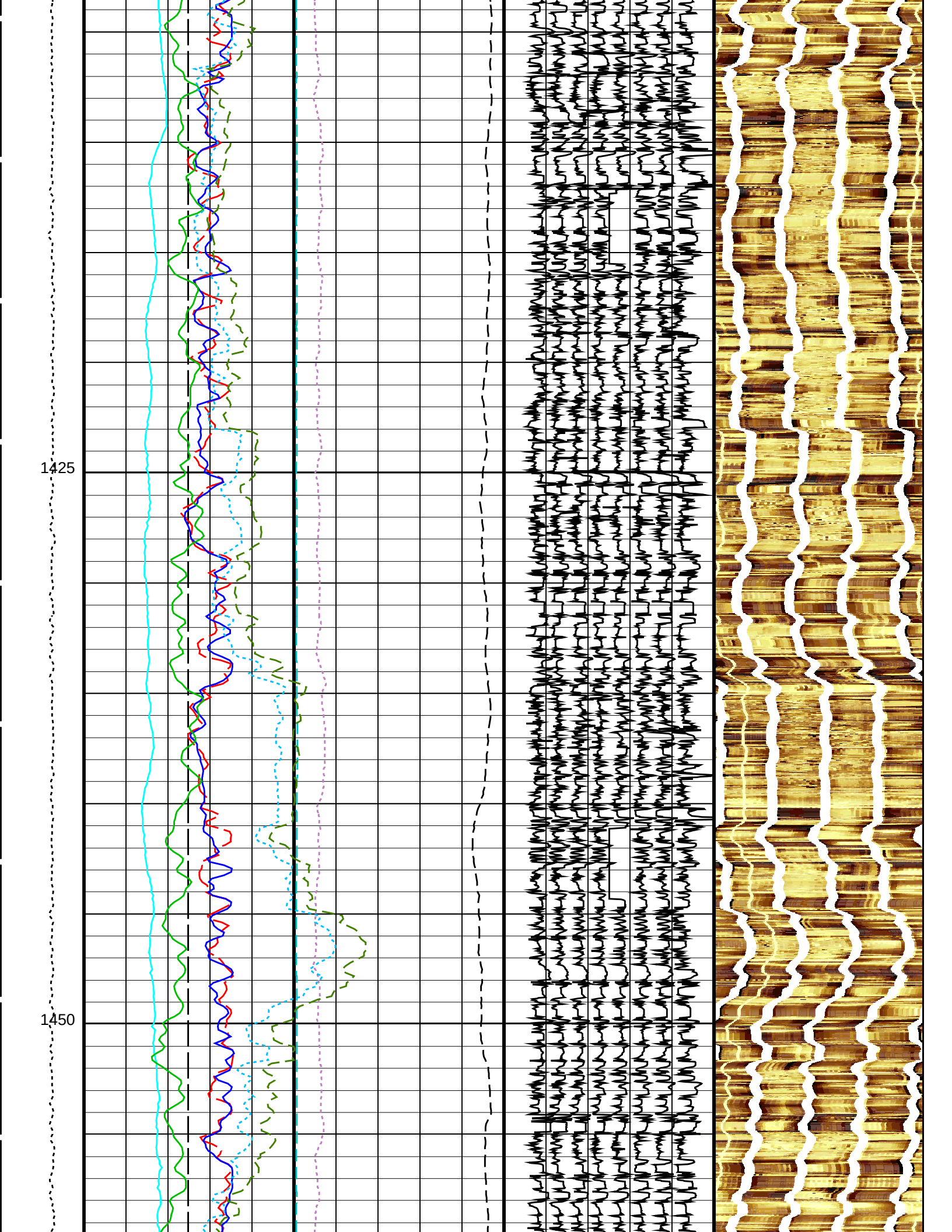
2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304

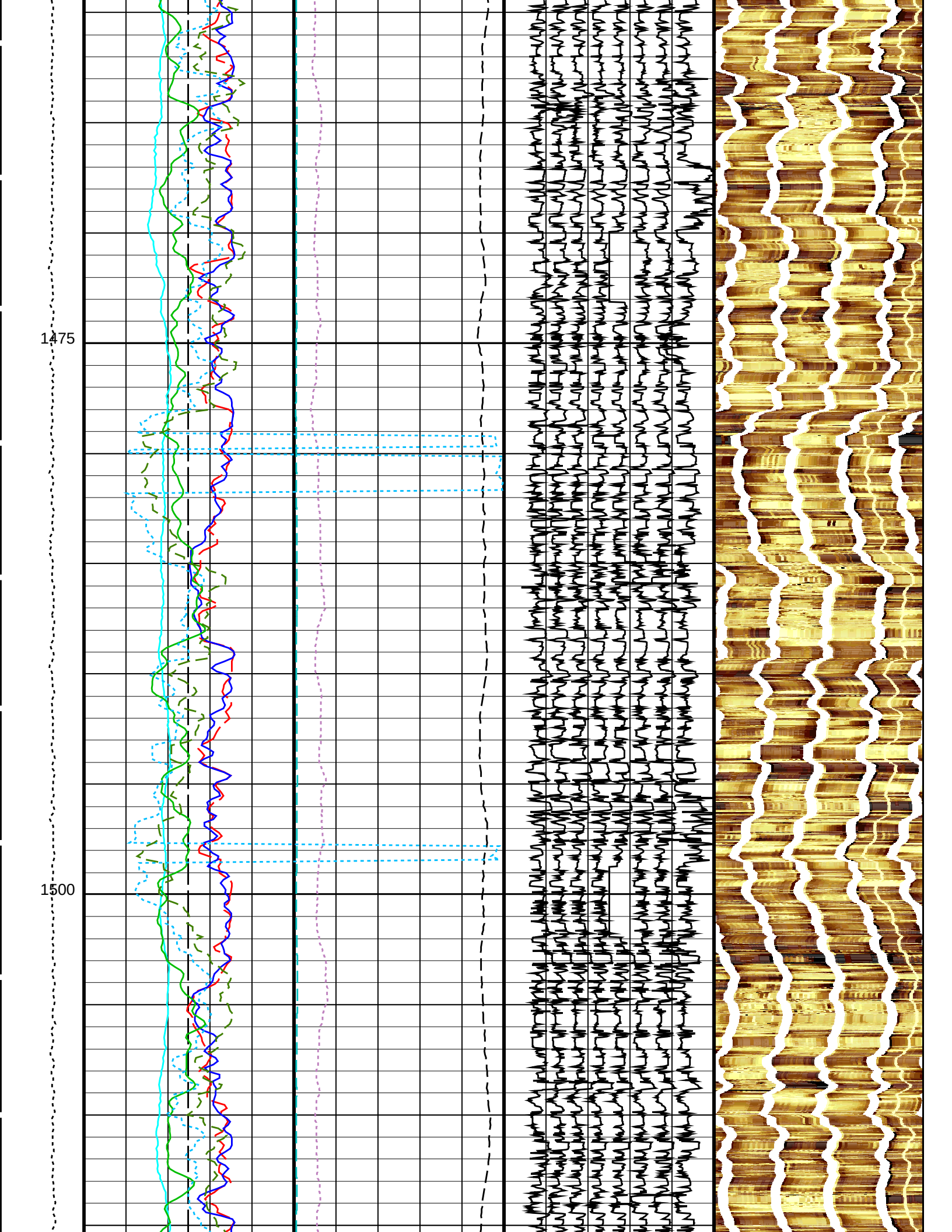

Deviation (DEVIM)
0
(DEG)
10
RBS (U−MEST_RB4)
−40
(−−−−)
60
MEST_PADD (U−MEST_RESISTIVITY_PADD_DS)
(−−−−)
Caliper 2 (C2)
0
(IN)
20
Data Button 3 − Varies with RBS (U−MEST_RB3)
−30
(−−−−)
70
MEST_PADC (U−MEST_RESISTIVITY_PADC_DS)
(−−−−)
Caliper 1 (C1)
0
(IN)
20
EMEX Intensity (EI)
0
(AMPS)
10
Data Button 2 − Varies with RBS (U−MEST_RB2)
−20
(−−−−)
80
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
MEST_PADA (U−MEST_RESISTIVITY_PADA_DS)
(−−−−)
2.0125
2.6846
3.3567
4.0289
4.5329
5.0370
5.3731
5.7091
6.0452
6.3813
6.8854
7.3895
8.0616
9.0697
10.0779
12.4304
1200
1225

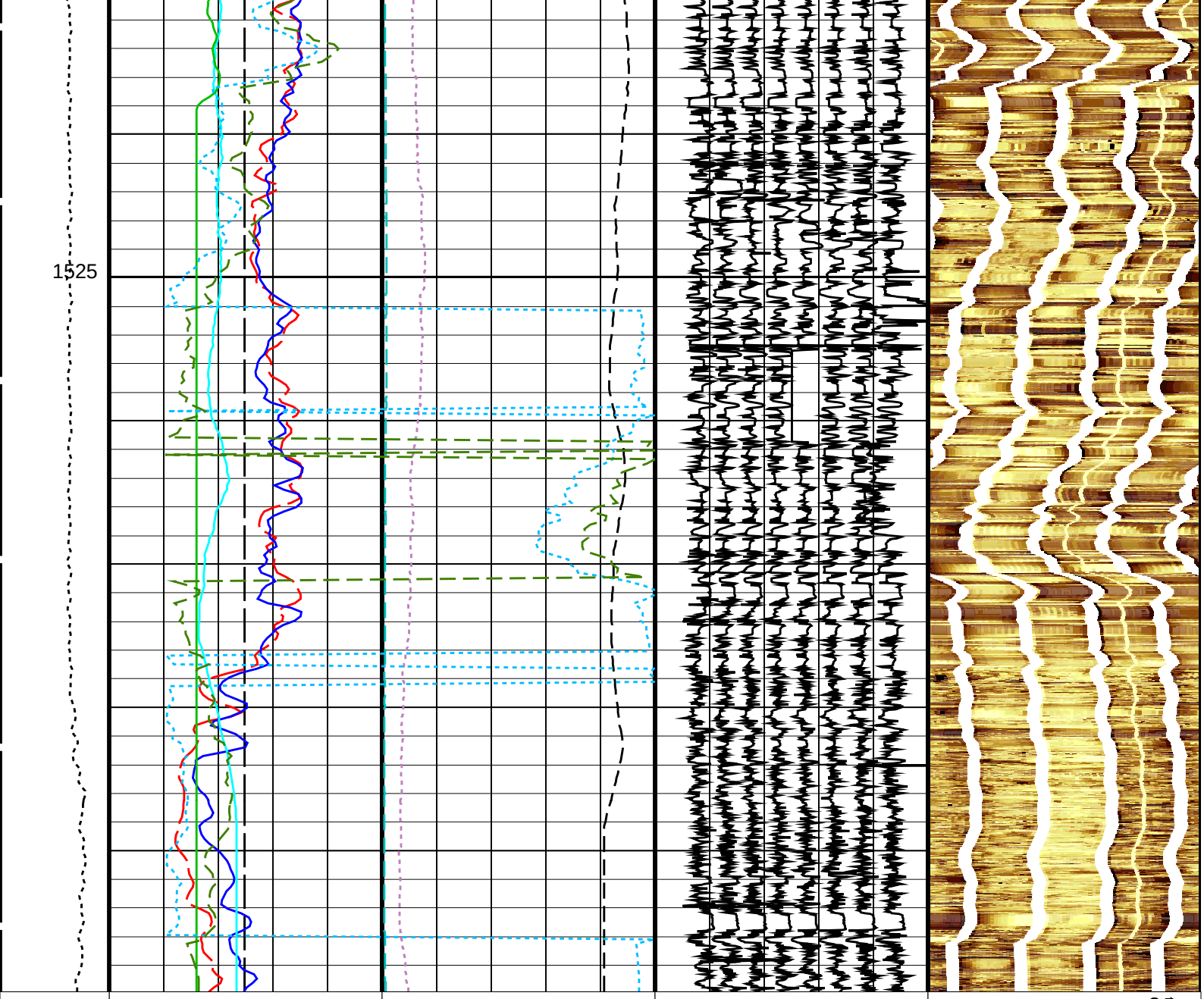

1250
1275


1300
1325


1350
1375
1400


1425
1450


1475
1500



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	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 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	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)
	Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)
	Deviation (DEVIM) 0 (DEG) 10		Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)
	Gamma Ray (GR_EDTC)		Data Button 5 − Varies with	

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	6.32197	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: 20−Jun−2024 01:06

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	19C0−187

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034LUP	FN:41	PRODUCER	20−Jun−2024 01:06
RTB	FMS_DSI_NGS_034LUP	FN:42	PRODUCER	20−Jun−2024 01:06

Schlumberger

Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner − B (Slim) Wellsite Calibration − Caliper Calibration							
Before: Calibration out of date 8−May−2023 17:29							
Caliper 1 Zero Measurement	7.625	N/A	8.269	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	7.625	N/A	8.050	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	11.94	N/A	12.88	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	11.94	N/A	12.64	N/A	N/A	N/A	IN

Micro Electrical Scanner − B (Slim) Wellsite Calibration − CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY
Before: 19−Jun−2024 22:30

TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	743	N/A	N/A	N/A	

Micro Electrical Scanner − B (Slim) Wellsite Calibration − CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY
Before: 19−Jun−2024 22:30

TEMPERATURE REFERENCE :	N/A	N/A	23	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	9	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	507	N/A	N/A	N/A	

Hostile Natural Gamma Ray Sonde Wellsite Calibration − Detector 1 Check
Master: 4−May−2024 12:28 Before: 19−Jun−2024 16:24 After: 19−Jun−2024 20:47

Na 511 Peak Loc	40.00	38.58	38.53	38.62	0.09044	1.000	
Na 511 Peak Res	15.50	16.53	16.37	15.16	−1.212	2.000	%
High Voltage	1150	1191	1176	1181	4.395	N/A	V
Na 1785 Peak Loc	142.6	139.1	139.9	139.5	−0.4530	7.000	
Na 1785 Peak Res	8.500	8.592	8.029	8.766	0.7370	2.000	%
Temperature	15.50	18.98	12.32	12.47	0.1561	N/A	DEGC
Na Count Rate	45.00	36.48	34.43	35.23	0.8004	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration − Detector 2 Check
Master: 4−May−2024 12:28 Before: 19−Jun−2024 16:24 After: 19−Jun−2024 20:47

Na 511 Peak Loc	40.00	39.52	39.53	39.58	0.05072	1.000	
Na 511 Peak Res	15.50	16.42	16.02	16.16	0.1431	2.000	%
High Voltage	1150	1076	1065	1068	3.452	N/A	V
Na 1785 Peak Loc	142.6	142.0	142.7	143.1	0.4100	7.000	
Na 1785 Peak Res	8.500	7.800	8.790	8.439	−0.3512	2.000	%
Temperature	15.50	18.29	11.60	12.48	0.8844	N/A	DEGC
Na Count Rate	45.00	36.51	34.44	35.42	0.9776	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration − Ratio Of Detector 1 To Detector 2
Master: 4−May−2024 12:28 Before: 19−Jun−2024 16:24 After: 19−Jun−2024 20:47

Coincidence Count Rate Ratio	1.000	0.9963	0.9970	0.9914	−0.005546	0.05000	

Enhanced DTS Cartridge Wellsite Calibration − EDTC Accelerometer Calibration
Before: 19−Jun−2024 16:20

EDTC Z−Axis Acceleration	9.810	N/A	9.824	N/A	N/A	N/A	M/S2

Enhanced DTS Cartridge Wellsite Calibration − Detector Calibration
Before: 19−Jun−2024 16:25 After: 19−Jun−2024 20:51

Gamma Ray (Jig − Bkg)	162.1	N/A	162.1	213.5	51.43	14.73	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	217.4	52.37	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	875

Auxiliary Equipment:

MEST−B Preamplifier Cartridge Housing	MEPH − A	701
MEST Acquisition Cartridge Housing (Slim	MEAH − B	726

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

HNGS Sonde	HNGS − BA	174
Auxiliary Equipment:		
HNGS Sonde Housing	HNSH − BA	174
Gamma Source Radioactive	GSR − U	135

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value
Master		38.58
Before		38.53
After		38.62
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)	

Phase	Na 511 Peak Res %	Value
Master		16.53
Before		16.37
After		15.16
	12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)	

Phase	High Voltage V	Value
Master		1191
Before		1176
After		1181
	900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	

Phase	Na 1785 Peak Loc	Value
Master		139.1
Before		139.9
After		139.5
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)	

Phase	Na 1785 Peak Res %	Value
Master		8.592
Before		8.029
After		8.766
	7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)	

Phase	Temperature DEGC	Value
Master		18.98
Before		12.32
After		12.47
	−28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	

Phase	Na Count Rate CPS	Value
Master		36.48
Before		34.43
After		35.23
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)	

Master: 4−May−2024 12:28 Before: 19−Jun−2024 16:24 After: 19−Jun−2024 20:47

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 2 Check

Phase	Na 511 Peak Loc	Value
Master		39.52
Before		39.53
After		39.58
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)	

Phase	Na 511 Peak Res %	Value
Master		16.42
Before		16.02
After		16.16
	12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)	

Phase	High Voltage V	Value
Master		1076
Before		1065
After		1068
	900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	

Phase	Na 1785 Peak Loc	Value
Master		142.0
Before		142.7
After		143.1
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)	

Phase	Na 1785 Peak Res %	Value
Master		7.800
Before		8.790
After		8.439
	7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)	

Phase	Temperature DEGC	Value
Master		18.29
Before		11.60
After		12.48
	−28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	

Phase	Na Count Rate CPS	Value
Master		36.51
Before		34.44
After		35.42
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)	

Master: 4−May−2024 12:28 Before: 19−Jun−2024 16:24 After: 19−Jun−2024 20:47

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value
Master		0.9963
Before		0.9970
After		0.9914
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	

Master: 4−May−2024 12:28

Before: 19−Jun−2024 16:24

After: 19−Jun−2024 20:47

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		9.824
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	

Before: 19−Jun−2024 16:20

Enhanced DTS Cartridge Wellsite Calibration

Detector Calibration

Phase	Gamma Ray Background GAPI	Value
Before		14.49
After		16.49
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)	

Phase	Gamma Ray (Jig − Bkg) GAPI	Value
Before		162.1
After	EXCEEDS LIMIT	213.5
	147.3 (Minimum) 162.1 (Nominal) 176.8 (Maximum)	

Phase	Gamma Ray (Calibrated) GAPI	Value
Before		165.0
After	EXCEEDS LIMIT	217.4
	150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)	

Before: 19−Jun−2024 16:25 After: 19−Jun−2024 20:51

Company: **International Ocean Discovery Program**

Schlumberger

Well: **Expedition 403, Site U1618B**

Field: **Eastern Fram Strait Paleo Archive**

Rig: **JOIDES Resolution**

Country: **Netherlands**

Formation Microscanner (FMS)
Dipole Shear Sonic (DSI)