BAKER HUGHES

Baker Atlas

SIMULTANEOUS ACOUSTIC AND RESISTIVITY IMAGING LOG • GAMMA RAY LOG

FILE NO:	COMPANY	SIERRA GEOTHERMAL POWER, INC.
	WELL	ALUM 25-29
API NO: 27-009-60074	FIELD	ALUM
	COUNTY	ESMERALDA STATE NEVADA
Ver. 3.87	LOCATION: 2235.18' FSL & 938.11' FWL SW/C SEC 29 TWP 1N RGE 38.5E	OTHER SERVICES: HDIL, ZDL/CN, XMAC

PERMANENT DATUM G.L. ELEVATION 4903.57 FT
LOG MEASURED FROM K.B. 16.0 FT ABOVE P.D.
DRILL. MEAS. FROM K.B.

ELEVATIONS:
KB 4919.57 FT
DF
GL 4903.57 FT

DATE		15-NOV-2009			
RUN	TRIP	1	2		
SERVICE ORDER		575995			
DEPTH DRILLER		2300 FT			
DEPTH LOGGER		2299 FT			
BOTTOM LOGGED INTERVAL		2295 FT			
TOP LOGGED INTERVAL		571 FT			
CASING DRILLER		16.0 IN @ 571 FT		@	
CASING LOGGER		571 FT			
BIT SIZE		14.75 IN			
TYPE OF FLUID IN HOLE		LSND			
DENSITY	VISCOSITY	9.0 LB/G	54 S		
PH	FLUID LOSS	9.0	10.0 C3		
SOURCE OF SAMPLE		FLOWLINE			
RM AT MEAS. TEMP.		2.53 OHMM @ 61 DEGF		@	
RMF AT MEAS. TEMP.		2.36 OHMM @ 60 DEGF		@	
RMC AT MEAS. TEMP.		2.66 OHMM @ 63 DEGF		@	
SOURCE OF RMF	RMC	MEASURED	MEASURED		
RM AT BHT		1.08 OHMM @ 152 DEGF		@	
TIME SINCE CIRCULATION		9.5 HOURS			
MAX. RECORDED TEMP.		180 DEGF			
EQUIP. NO.	LOCATION	ML-4232	FALLON, NV		
RECORDED BY		VERCIMAK			
WITNESSED BY		JERRY HAMBLIN			

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

REMARKS

RUN 1 TRIP 2: CVOL COMPUTED USING 10.75" CASING (BVOL, CVOL UNITS IN CUBIC FEET)

THANKS FOR USING BAKER ATLAS
CREW: LAPOINT / HAYCOCK
RIG: ENSIGN 561

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	2	PWR ADAPT	443XB	10161676	FREE
1	2	SWVL	394AD	10201570	FREE
1	2	TTRM	386TAB	10203210	FREE
1	2	MTS	351AB	10200358	FREE
1	2	GR	132BB	10203000	FREE
1	2	CAP SUB	102ZYA	10565885	FREE
1	2	STAR	103GEA / 423BMA	10402331 / 10488537	6-ARM
1	2	ISI	386YYA	10360992	FREE

1	2	KNCKL	39390A	10390278	FREE
1	2	CBIT	4401XB	10165246	CENT
1	2	CBIL	1671EB / 1671MB	183926 / 187248	CENT

MAIN LOG 25"/100FT SCALE

ECLIPS 6.01 Feb 21, 2008
Updates: 1

Sun Nov 15 23:21:57 2009

Perpit /main/62 Cplot Pdf_Cpp /main/16 Fileview 5.42

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/575995/k837m04.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 568.625 ft BOTTOM DEPTH: 2293.300 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
SPEED	FILTER ()	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		''	''
TENSION	FILTER ()	medium (1)		''	''
GR	FILTER ()	medium (1)		''	''
	FILTER (.h)	medium (1)		''	''
	FILTER (.l)	medium (1)		''	''

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
BIT SIZE	BIT SIZE	14.750	in	TOP	BOTTOM

STAR/EART PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
PAD TYPE	STAR	USE OTHER PAD ID		TOP	BOTTOM
	OTHER PAD	1028BA - 8.25 in.		''	''

CURVE DESCRIPTION REPORT

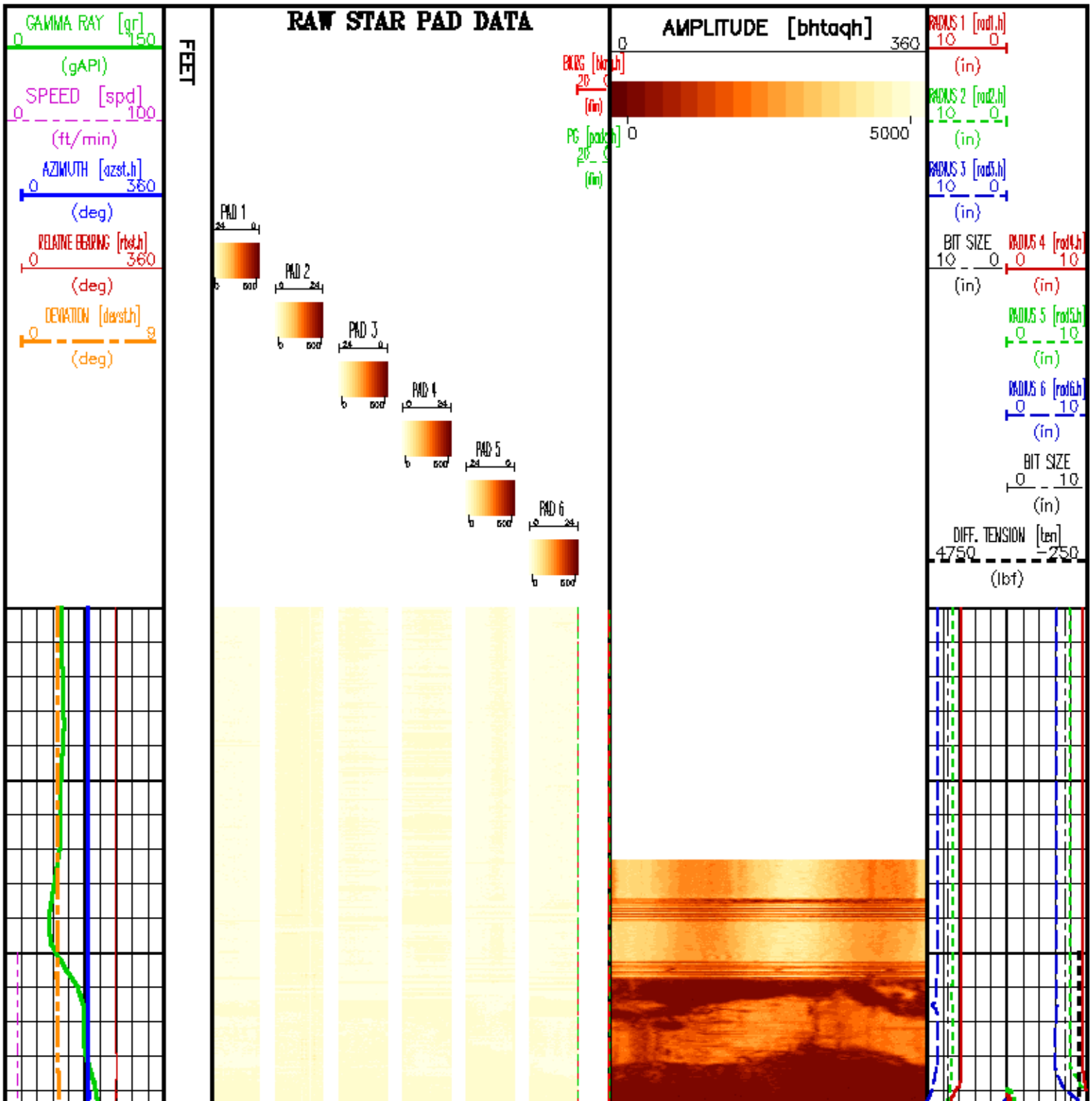
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:AZSTGH	AZSTGH	Nov 15 18:52:31 2009	AZIMUTH OF REFERENCE PAD
F1:BHTAGH	BHTA.H	Nov 15 18:52:31 2009	REFLECTANCE PEAK VOLTS
F1:BKRGGH	BKRGGH	Nov 15 18:52:31 2009	BUCKER DRIVER VALUE
F1:DEVSTGH	DEVSTGH	Nov 15 18:52:31 2009	DEVIATION
F1:GR	GR	Nov 15 18:52:31 2009	GAMMA RAY
F1:P1BTNGH	P1BTN_RES.H	Nov 15 18:52:31 2009	PACKED PAD 1 BLOCK (BUTTONS 1-24)
F1:P2BTNGH	P2BTN_RES.H	Nov 15 18:52:31 2009	PACKED PAD 2 BLOCK (BUTTONS 1-24)
F1:P3BTNGH	P3BTN_RES.H	Nov 15 18:52:31 2009	PACKED PAD 3 BLOCK (BUTTONS 1-24)
F1:P4BTNGH	P4BTN_RES.H	Nov 15 18:52:31 2009	PACKED PAD 4 BLOCK (BUTTONS 1-24)
F1:P5BTNGH	P5BTN_RES.H	Nov 15 18:52:31 2009	PACKED PAD 5 BLOCK (BUTTONS 1-24)
F1:P6BTNGH	P6BTN_RES.H	Nov 15 18:52:31 2009	PACKED PAD 6 BLOCK (BUTTONS 1-24)
F1:PADGGH	PADGGH	Nov 15 18:52:31 2009	PAD GAIN CODE
F1:RAD1GH	RAD1GH	Nov 15 18:52:31 2009	RADIUS, TOOL AXIS TO PAD 1 FACE
F1:RAD2GH	RAD2GH	Nov 15 18:52:31 2009	RADIUS, TOOL AXIS TO PAD 2 FACE
F1:RAD3GH	RAD3GH	Nov 15 18:52:31 2009	RADIUS, TOOL AXIS TO PAD 3 FACE
F1:RAD4GH	RAD4GH	Nov 15 18:52:31 2009	RADIUS, TOOL AXIS TO PAD 4 FACE
F1:RAD5GH	RAD5GH	Nov 15 18:52:31 2009	RADIUS, TOOL AXIS TO PAD 5 FACE
F1:RAD6GH	RAD6GH	Nov 15 18:52:31 2009	RADIUS, TOOL AXIS TO PAD 6 FACE
F1:RBIT1	RBIT1	Nov 15 18:52:31 2009	BIT RADIUS 1
F1:RBIT4	RBIT4	Nov 15 18:52:31 2009	BIT RADIUS 4
F1:RBSTGH	RBSTGH	Nov 15 18:52:31 2009	RELATIVE BEARING (RELATIVE TO HIGH SIDE OF BOREHOLE)
F1:SPD	SPD	Nov 15 18:52:31 2009	SPEED
F1:TEN	TEN	Nov 15 18:52:31 2009	DIFFERENTIAL TENSION

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AZSTOH	36.15	PADOOH	36.15	RAD4OH	36.15	RBIT4	36.15
BKRGOH	36.15	RAD1OH	36.15	RAD5OH	36.15	RBSTOH	36.15
DEVSTOH	36.15	RAD2OH	36.15	RAD6OH	36.15	SPD	0.00
GR	65.00	RAD3OH	36.15	RBIT1	36.15	TEN	0.00

Presentation : epu1:/dat1a/575995/STAR_CBL_MAIN.pdf [25"/100' Scale]
Plot Interval : 580 - 2293.25 Feet

Data File 1 : F1 : epu1:/dat1a/575995/k837m04.aff
Created On : Nov 15 18:52:31 2008
Company : SIERRA GEOTHERMAL POWER, INC.
Well : ALUM 25-29
Field : ALUM
File Interval : 480.25 - 2293.25 Feet
Oct : k837m



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600

625

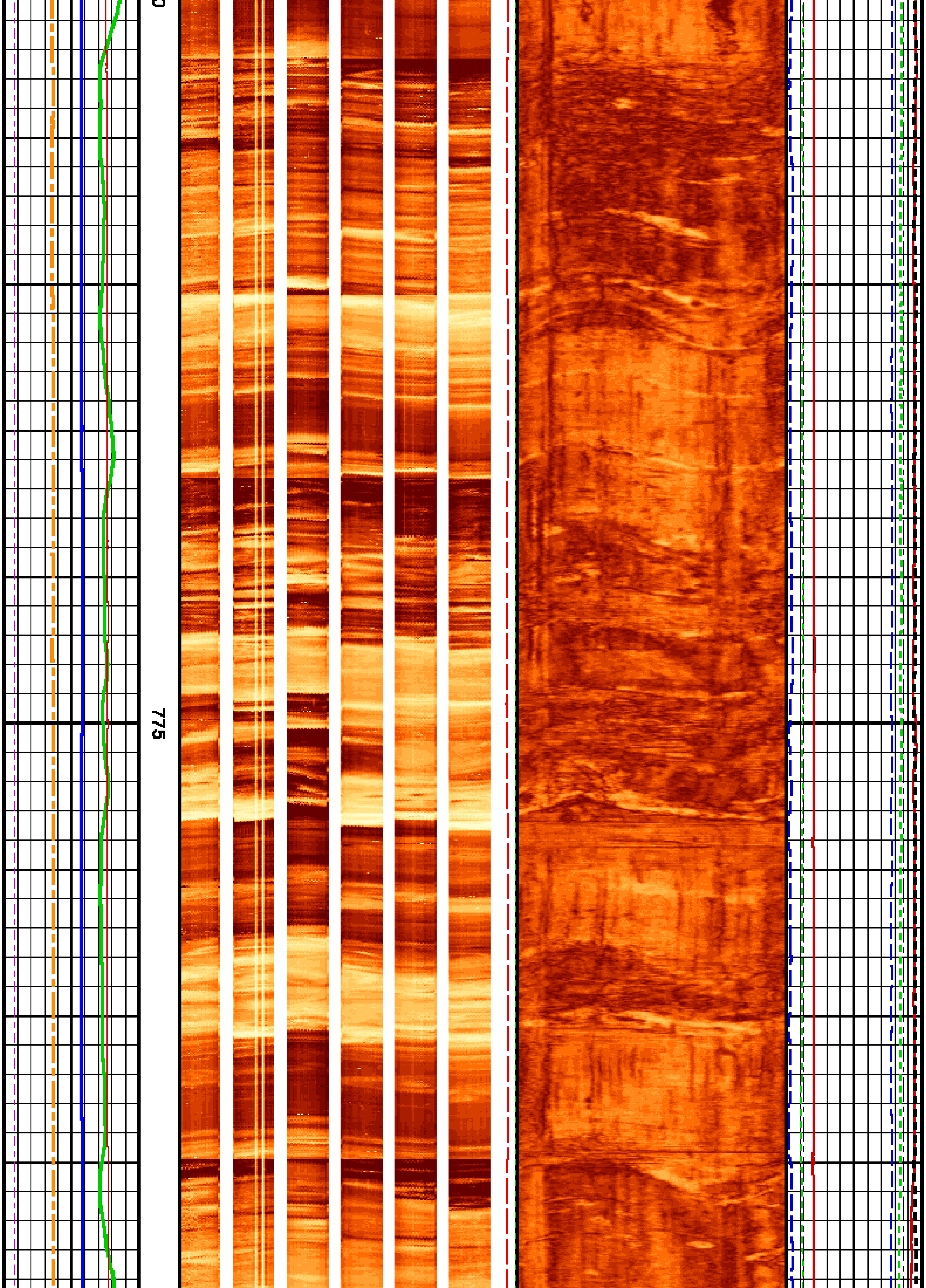
650

675

700

725

750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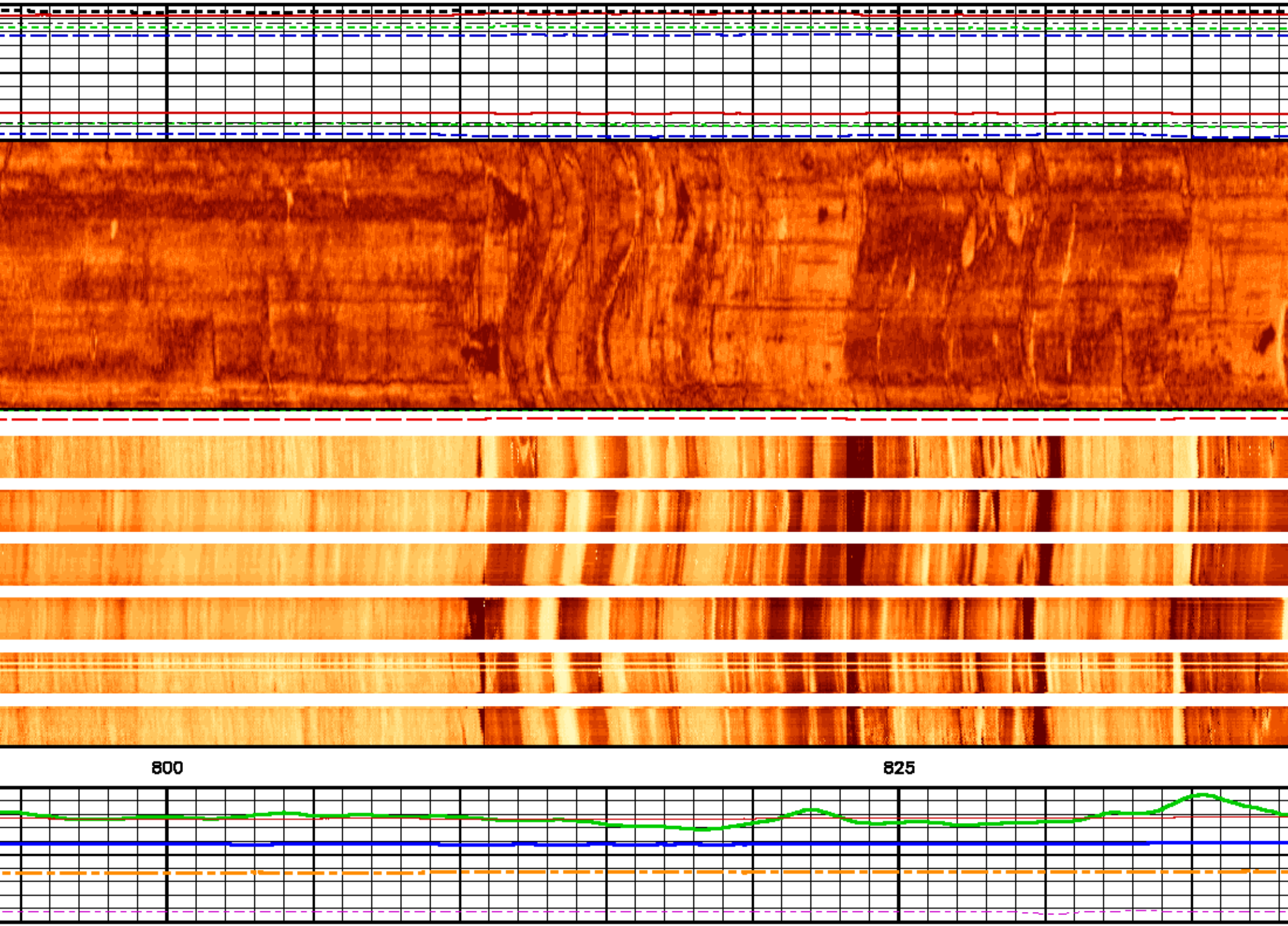
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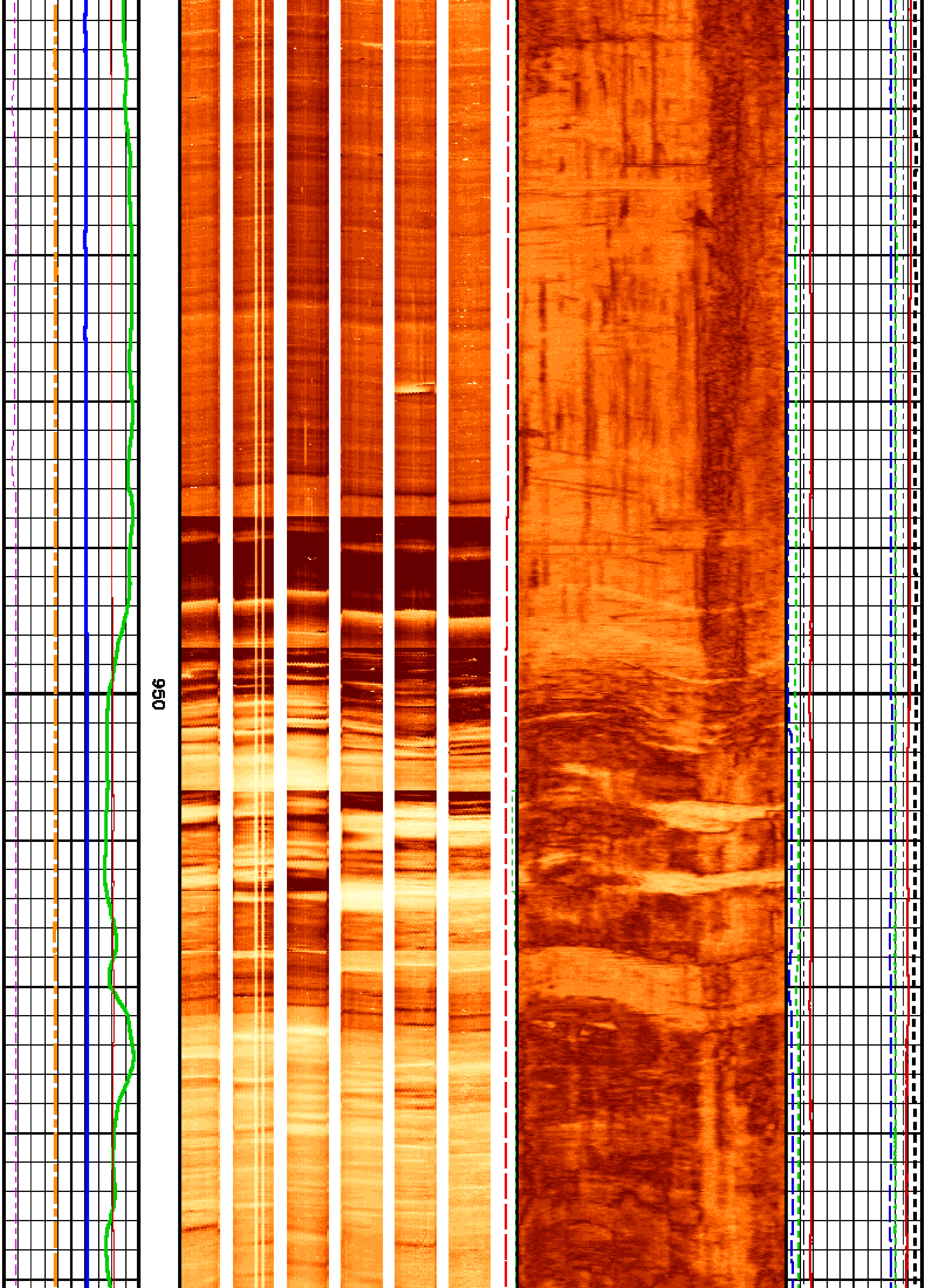
850
875

900

925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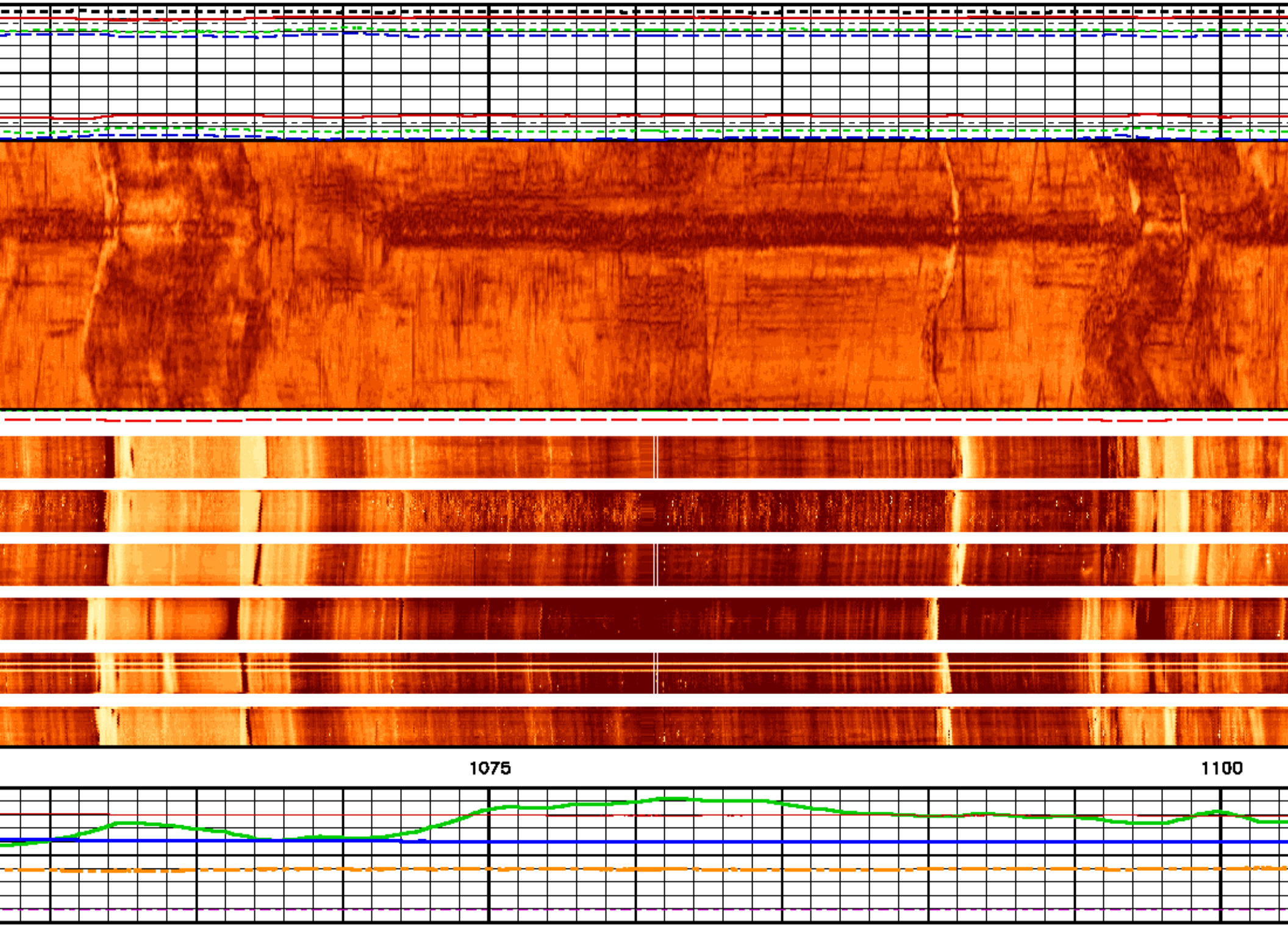
975

1000

1025
1050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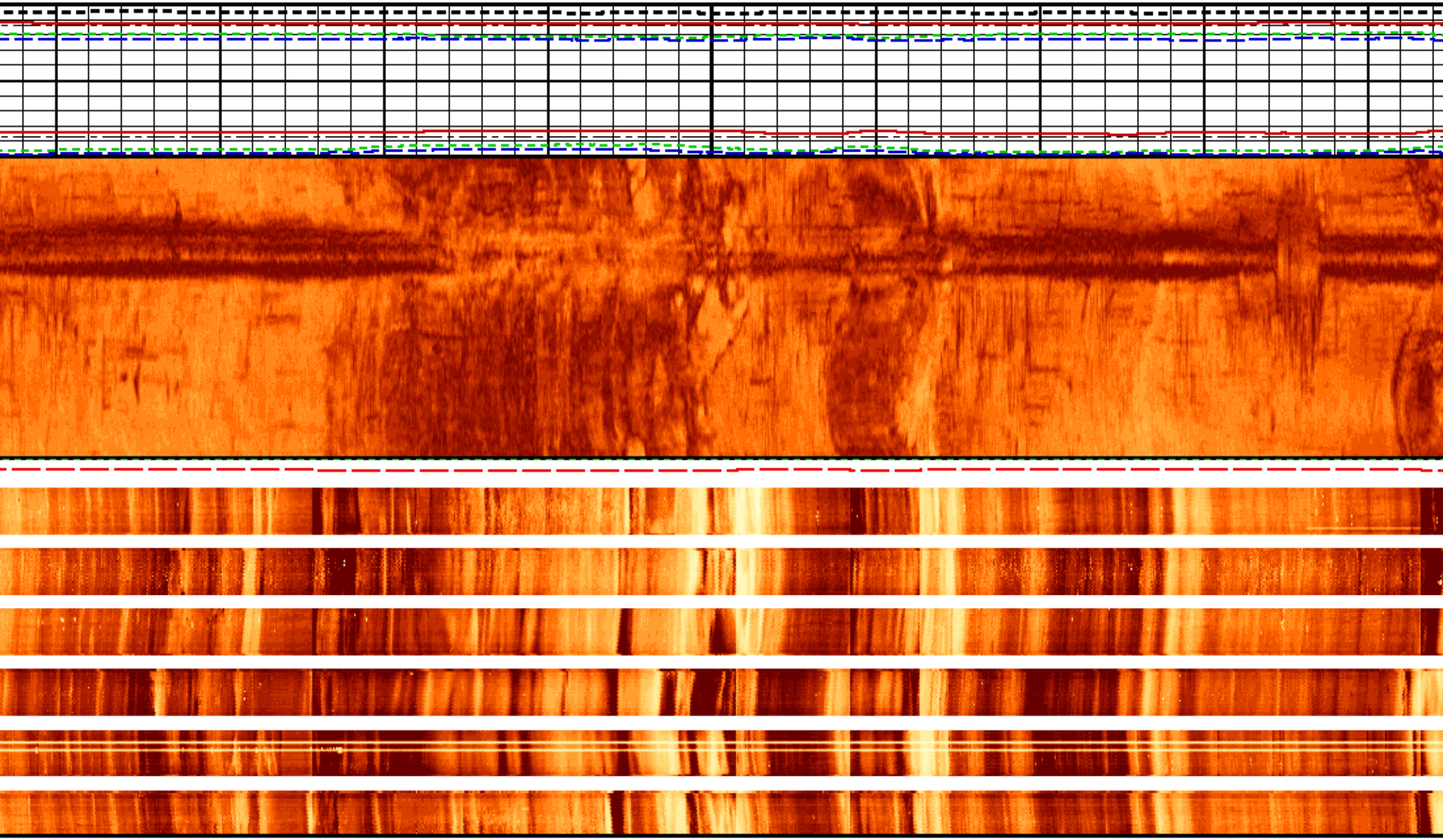
1100

1125

1150
1175

1200
1225

1250
1275



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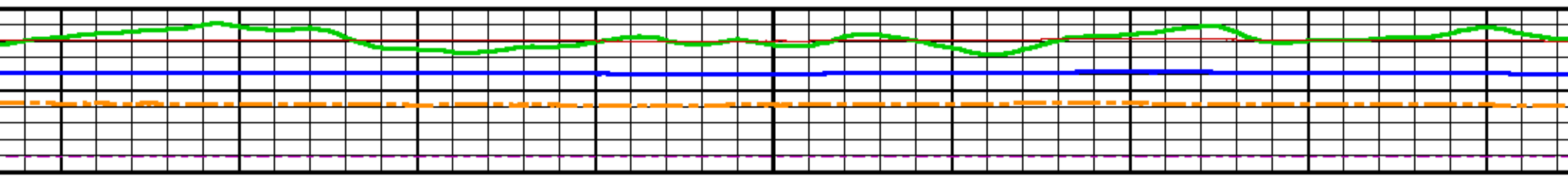

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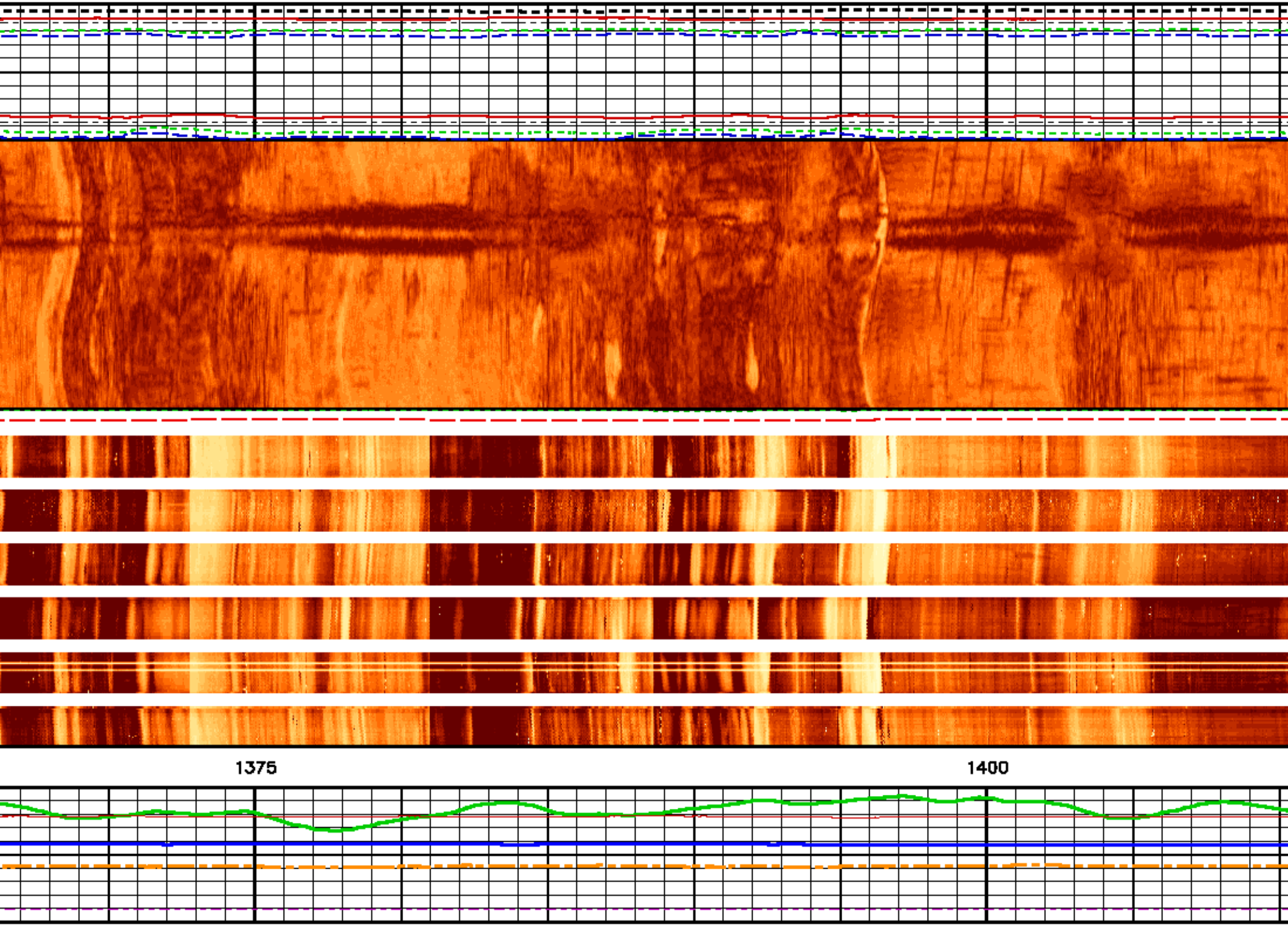
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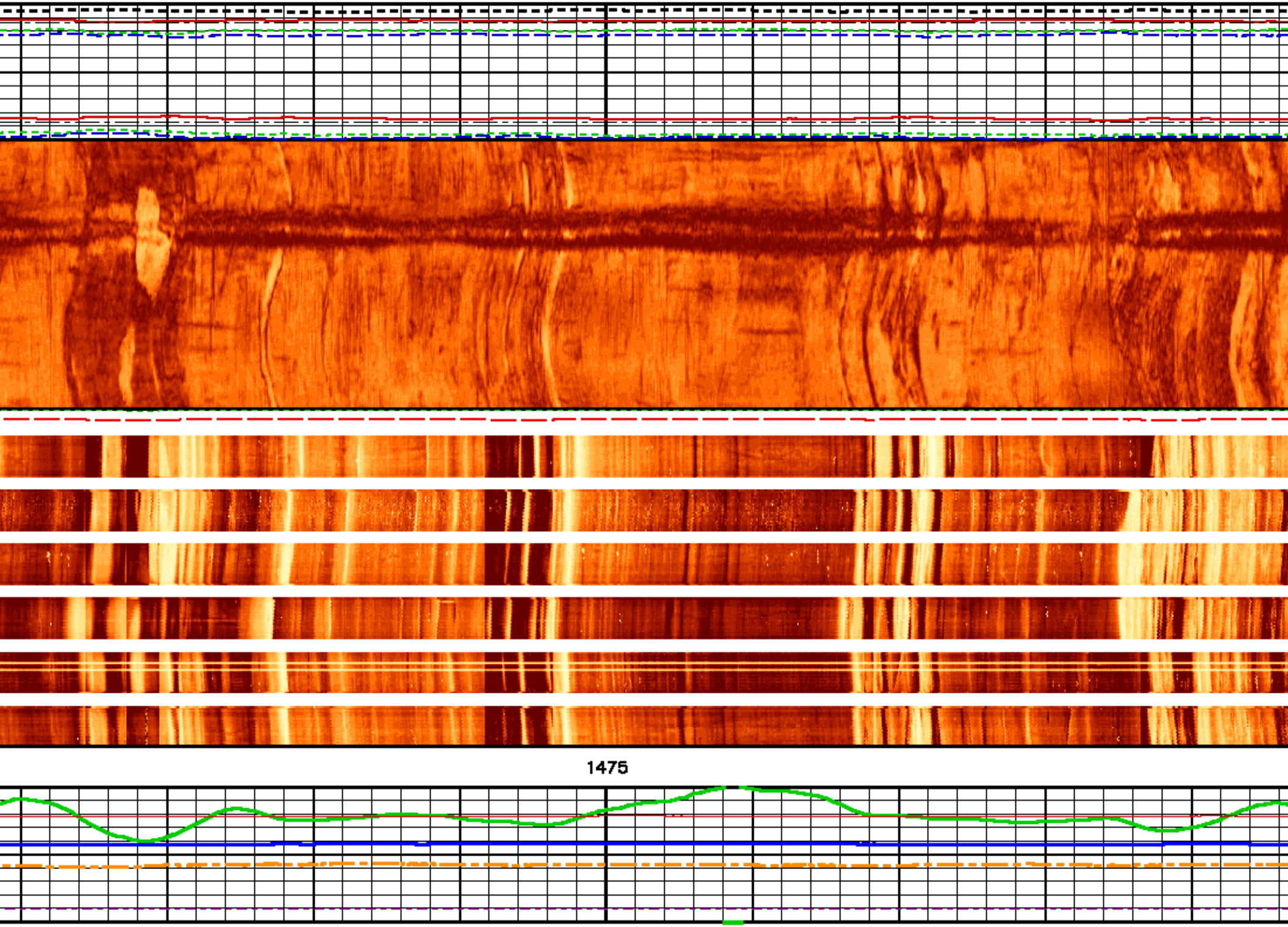
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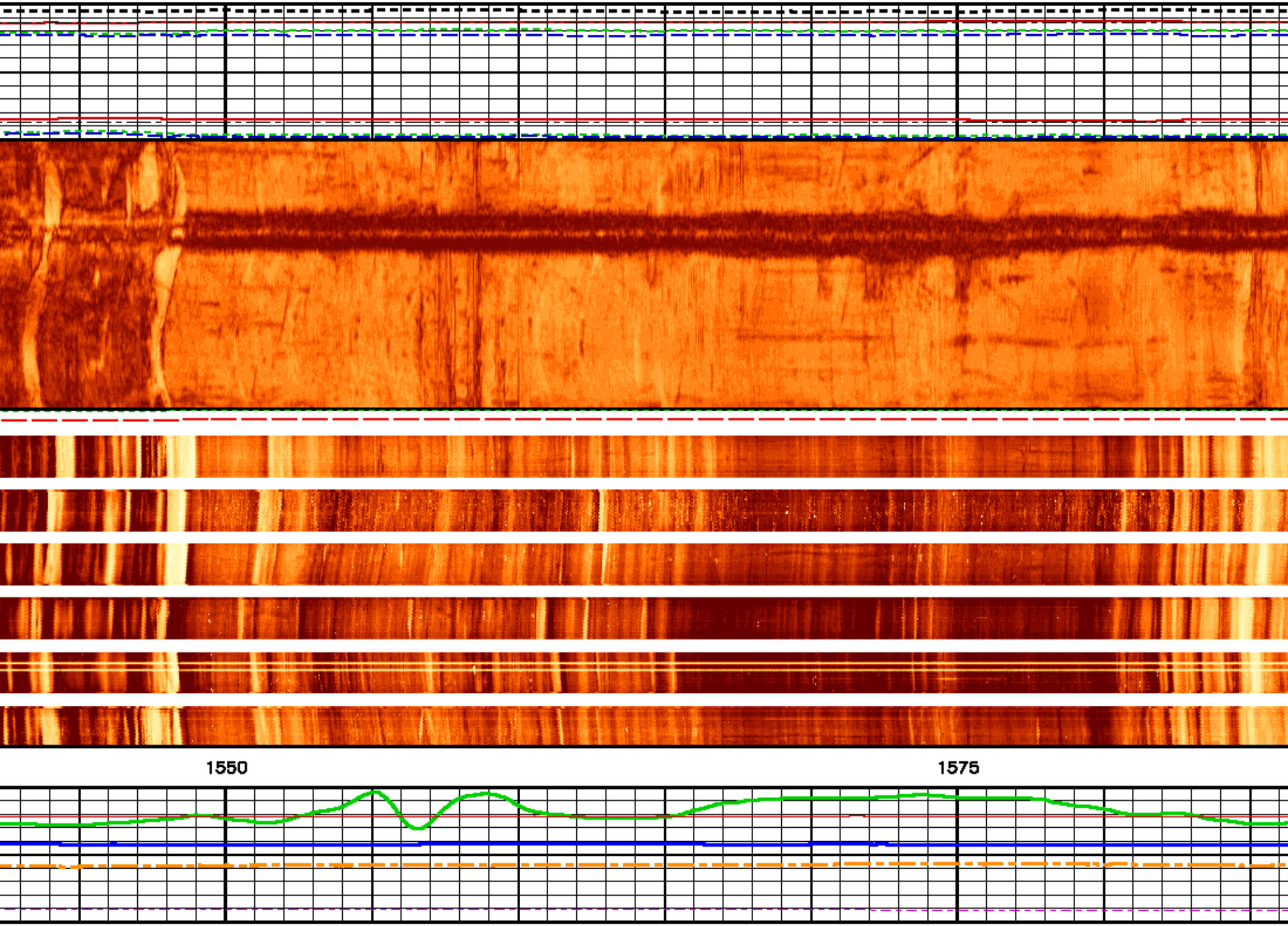
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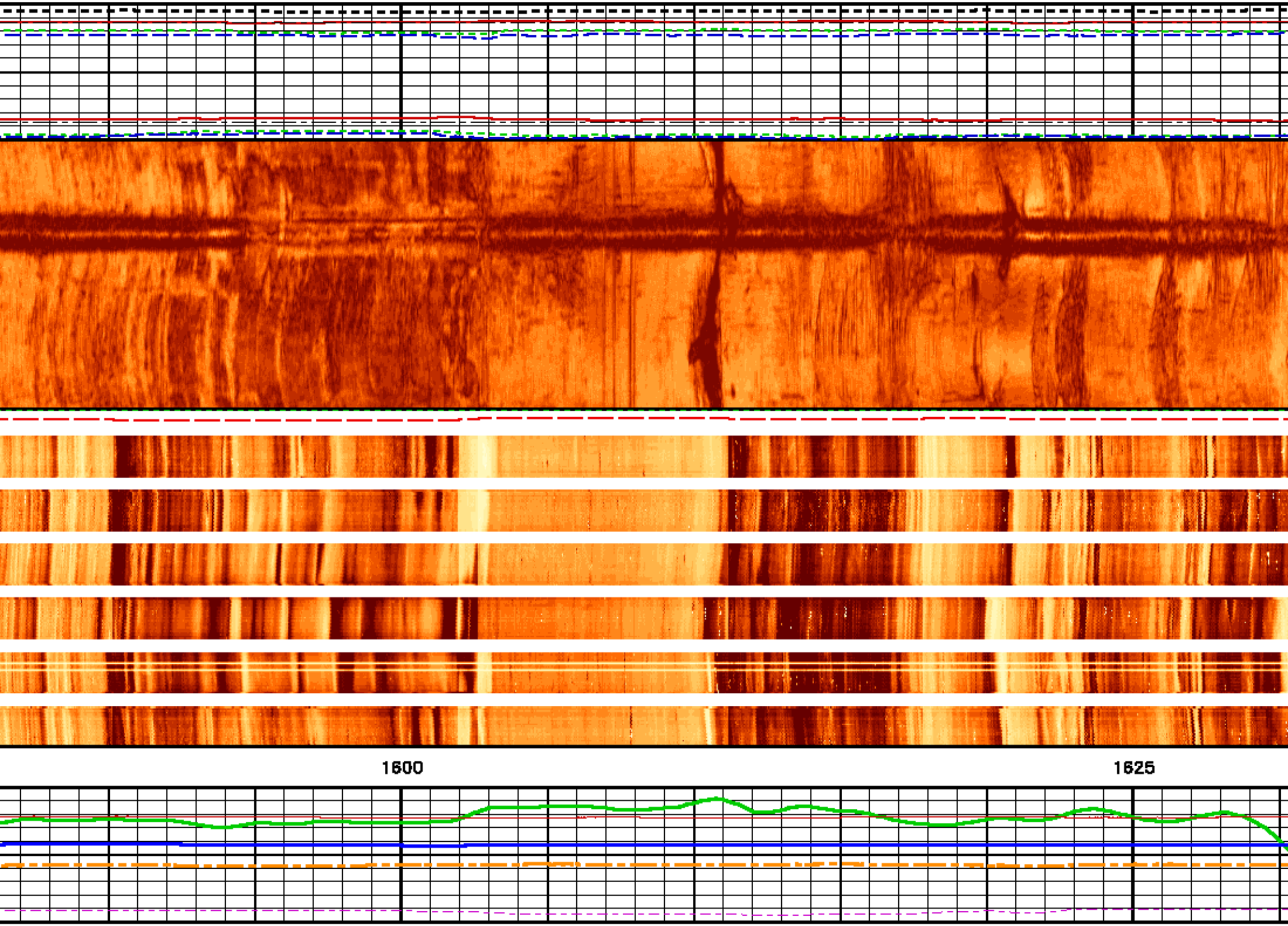
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1625

1650

1675

1700

1725
1750

1775

1800

1825

1875

1900
1925

1950
1975

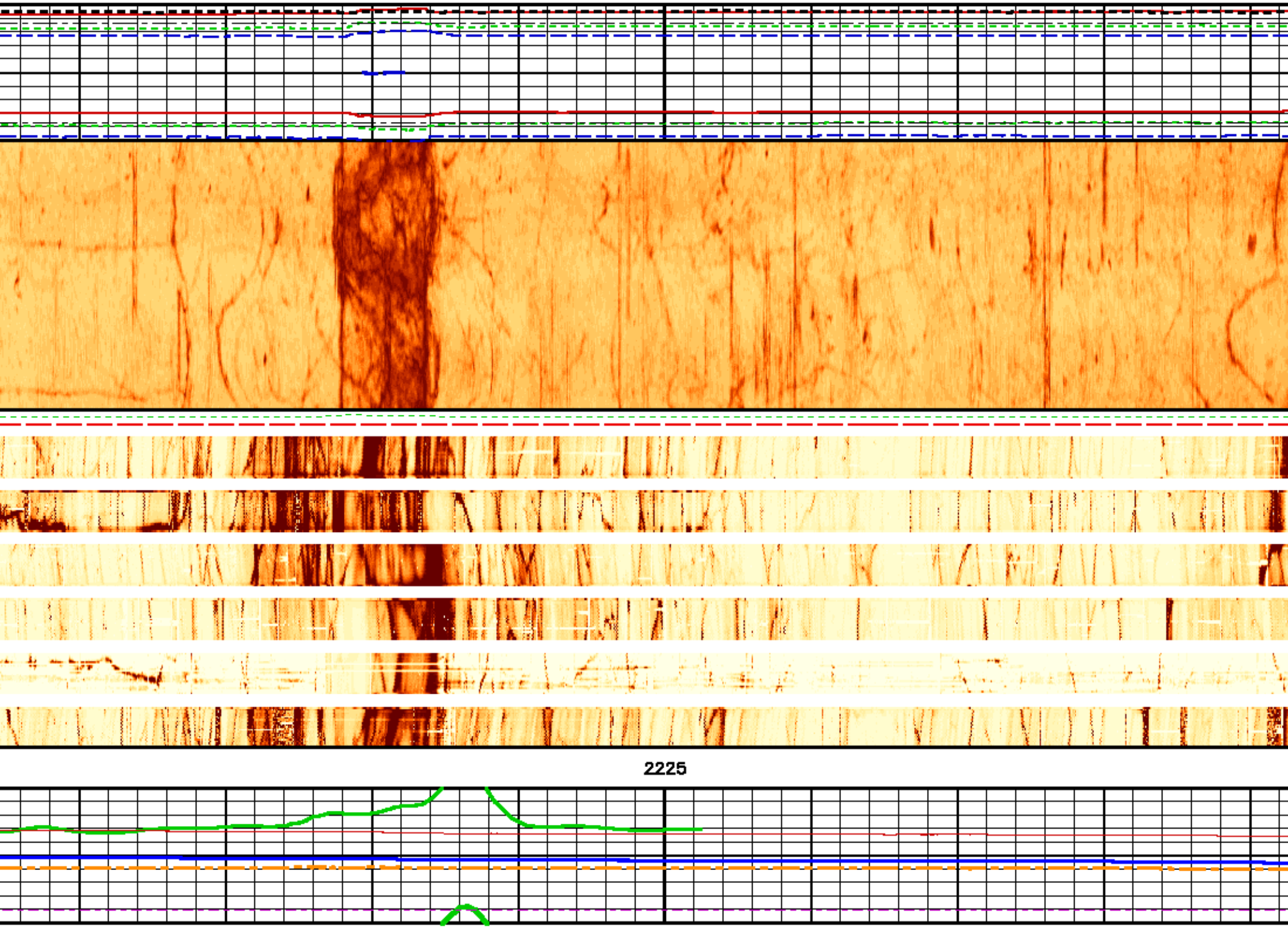
2000
2025

2050

2075
2100

2125
2150

2175
2200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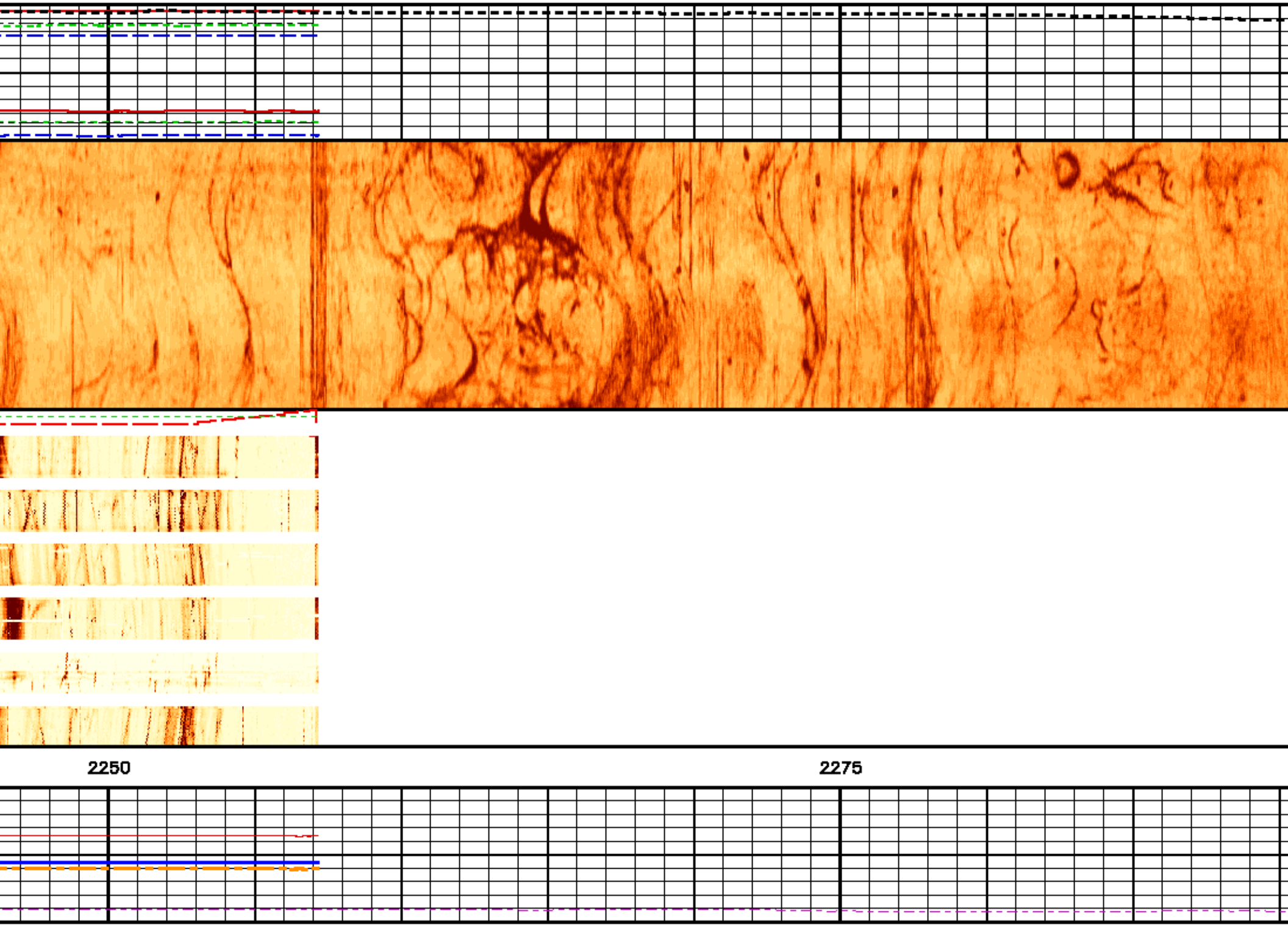
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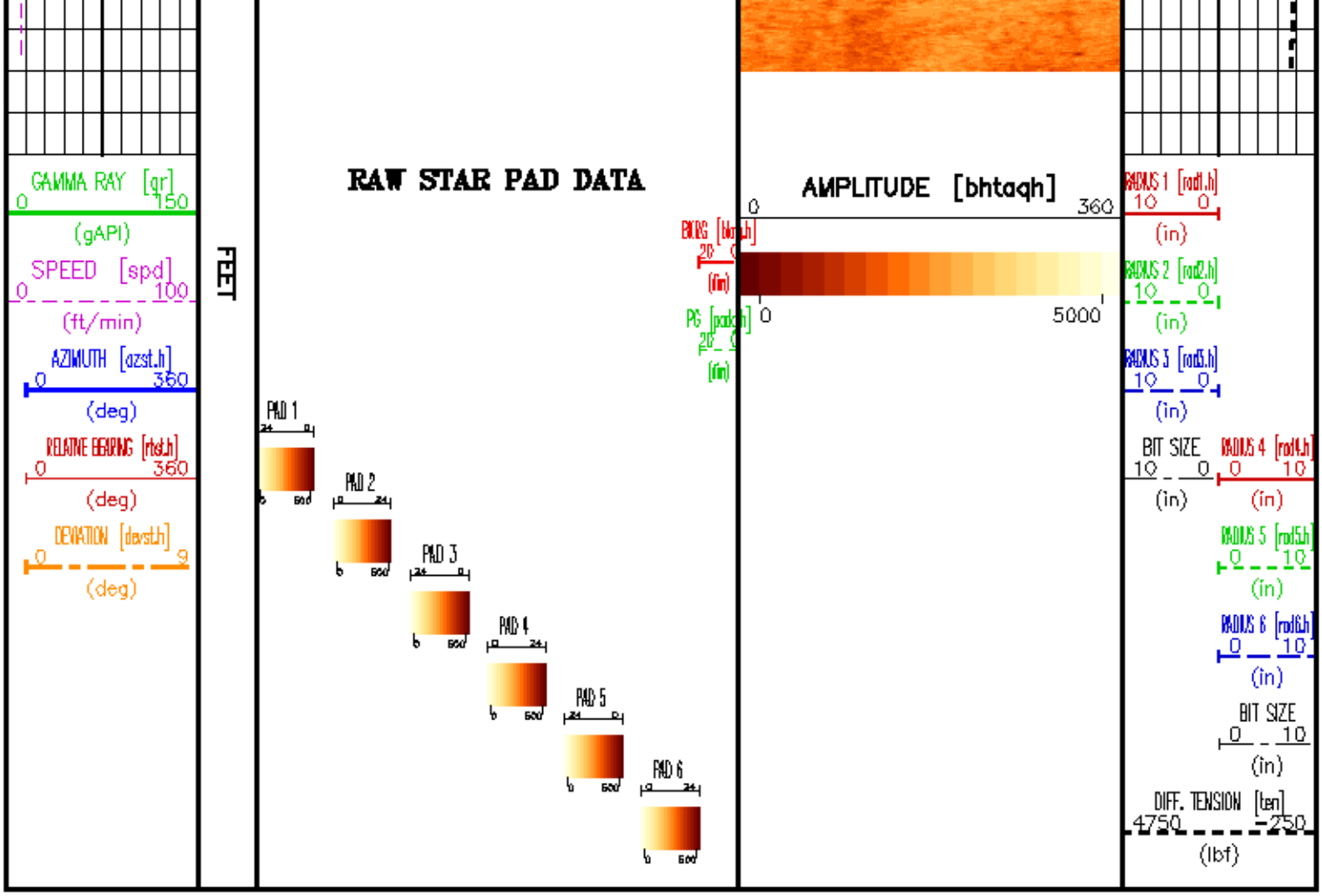
2275



REPEAT LOG

ECLIPS 6.01 Feb 21, 2008 **Sun Nov 15 20:27:28 2009**
Updates: 1

Perpit /main/62 **Cplot** **Pdf_Cpp /main/16** **Fileview 5.42**

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/575885/k857n03.prm
LOGGING MODE: DEPTH **DIRECTION:** UP
TOP DEPTH: 2139.300 ft **BOTTOM DEPTH:** 2296.983 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft) TOP	BOTTOM
SPEED	FILTER ()	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		''	''
TENSION	FILTER ()	medium (1)		''	''
GR	FILTER ()	medium (1)		''	''
	FILTER (.h)	medium (1)		''	''
	FILTER (.l)	medium (1)		''	''

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft) TOP	BOTTOM
BIT SIZE	BIT SIZE	14.750	in	TOP	BOTTOM

STAR/EART PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
PAD TYPE	STAR OTHER PAD	USE OTHER PAD ID 10288A - 8.25 in.		TOP ''	BOTTOM ''

CURVE DESCRIPTION REPORT

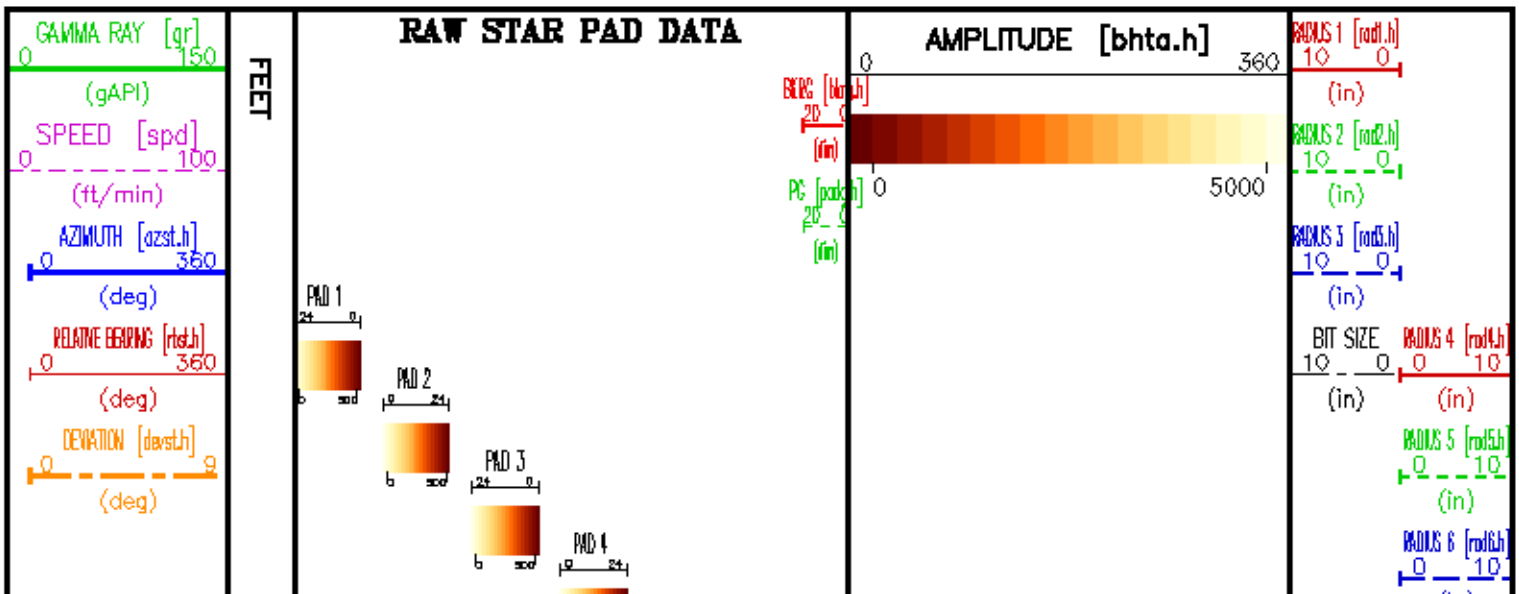
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:AZSTQH	AZSTQH	Nov 15 18:27:12 2009	AZIMUTH OF REFERENCE PAD
F1:BHTAQH	BHTA.H	Nov 15 18:27:12 2009	REFLECTANCE PEAK VOLTS
F1:BKRGQH	BKRGQH	Nov 15 18:27:12 2009	BUCKER DRIVER VALUE
F1:DEVSTQH	DEVSTQH	Nov 15 18:27:12 2009	DEVIATION
F1:GR	GR	Nov 15 18:27:12 2009	GAMMA RAY
F1:P1BTNQH	P1BTN_RES.H	Nov 15 18:27:12 2009	PACKED PAD 1 BLOCK (BUTTONS 1-24)
F1:P2BTNQH	P2BTN_RES.H	Nov 15 18:27:12 2009	PACKED PAD 2 BLOCK (BUTTONS 1-24)
F1:P3BTNQH	P3BTN_RES.H	Nov 15 18:27:12 2009	PACKED PAD 3 BLOCK (BUTTONS 1-24)
F1:P4BTNQH	P4BTN_RES.H	Nov 15 18:27:12 2009	PACKED PAD 4 BLOCK (BUTTONS 1-24)
F1:P5BTNQH	P5BTN_RES.H	Nov 15 18:27:12 2009	PACKED PAD 5 BLOCK (BUTTONS 1-24)
F1:P6BTNQH	P6BTN_RES.H	Nov 15 18:27:12 2009	PACKED PAD 6 BLOCK (BUTTONS 1-24)
F1:PADGQH	PADGQH	Nov 15 18:27:12 2009	PAD GAIN CODE
F1:RAD1QH	RAD1QH	Nov 15 18:27:12 2009	RADIUS, TOOL AXIS TO PAD 1 FACE
F1:RAD2QH	RAD2QH	Nov 15 18:27:12 2009	RADIUS, TOOL AXIS TO PAD 2 FACE
F1:RAD3QH	RAD3QH	Nov 15 18:27:12 2009	RADIUS, TOOL AXIS TO PAD 3 FACE
F1:RAD4QH	RAD4QH	Nov 15 18:27:12 2009	RADIUS, TOOL AXIS TO PAD 4 FACE
F1:RAD5QH	RAD5QH	Nov 15 18:27:12 2009	RADIUS, TOOL AXIS TO PAD 5 FACE
F1:RAD6QH	RAD6QH	Nov 15 18:27:12 2009	RADIUS, TOOL AXIS TO PAD 6 FACE
F1:RBIT1	RBIT1	Nov 15 18:27:12 2009	BIT RADIUS 1
F1:RBIT4	RBIT4	Nov 15 18:27:12 2009	BIT RADIUS 4
F1:RBSTQH	RBSTQH	Nov 15 18:27:12 2009	RELATIVE BEARING (RELATIVE TO HIGH SIDE OF BOREHOLE)
F1:SPD	SPD	Nov 15 18:27:12 2009	SPEED
F1:TEN	TEN	Nov 15 18:27:12 2009	DIFFERENTIAL TENSION

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AZSTQH	56.15	PADGQH	56.15	RAD4QH	56.15	RBIT4	56.15
BKRGQH	56.15	RAD1QH	56.15	RAD5QH	56.15	RBSTQH	56.15
DEVSTQH	56.15	RAD2QH	56.15	RAD6QH	56.15	SPD	0.00
GR	65.00	RAD3QH	56.15	RBIT1	56.15	TEN	0.00

Presentation : opu1:/dat1a/575995/STAR_CBL_REPEAT.pdf [25"/100' Scale]
Plot Interval : 2090 - 2296.75 Feet

Data File 1 : F1 : opu1:/dat1a/575995/k837m05.xtf
Created On : Nov 15 18:27:12 2009
Company : SIERRA GEOTHERMAL POWER, INC.
Well : ALUM 25-29
Field : ALUM
File Interval : 2061 - 2296.75 Feet
Ext : k837m



PAD 5

PAD 6

(in)

BIT SIZE
0 10
(in)

DIFF. TENSION [ten]
4750 -250
(lbf)

2100

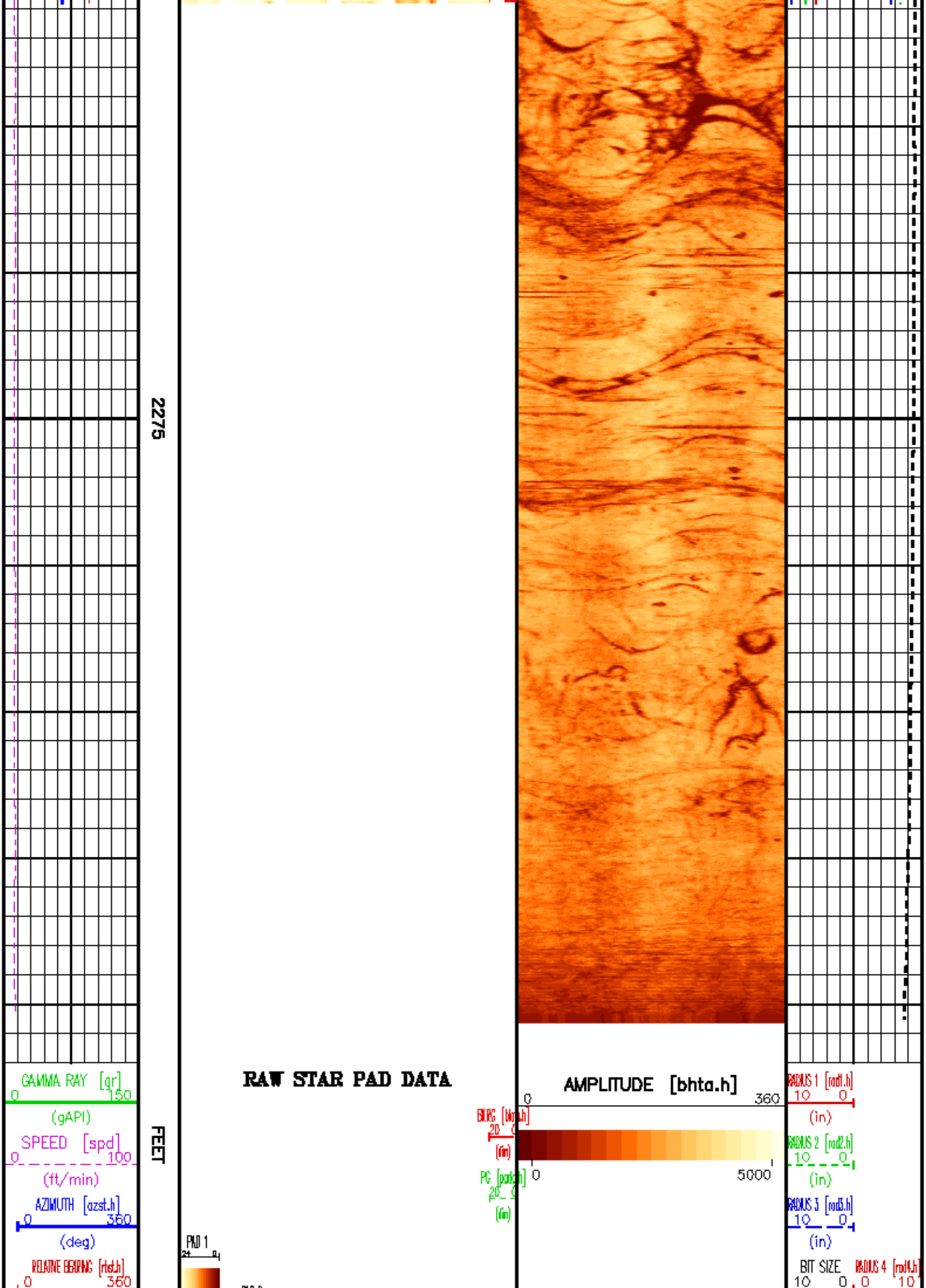
2125

2150

2175

2200

2225
2250


2275
FEET
GAMMA RAY [gr]
0
150
(gAPI)
SPEED [spd]
0
100
(ft/min)
AZIMUTH [azst.h]
0
360
(deg)
RELATIVE BEARING [rbst.h]
0
360
RAW STAR PAD DATA
AMPLITUDE [bhta.h]
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360
0
5000
RADIUS 1 [rad1.h]
10
0
(in)
RADIUS 2 [rad2.h]
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(in)
RADIUS 3 [rad3.h]
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(in)
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RADIUS 4 [rad4.h]
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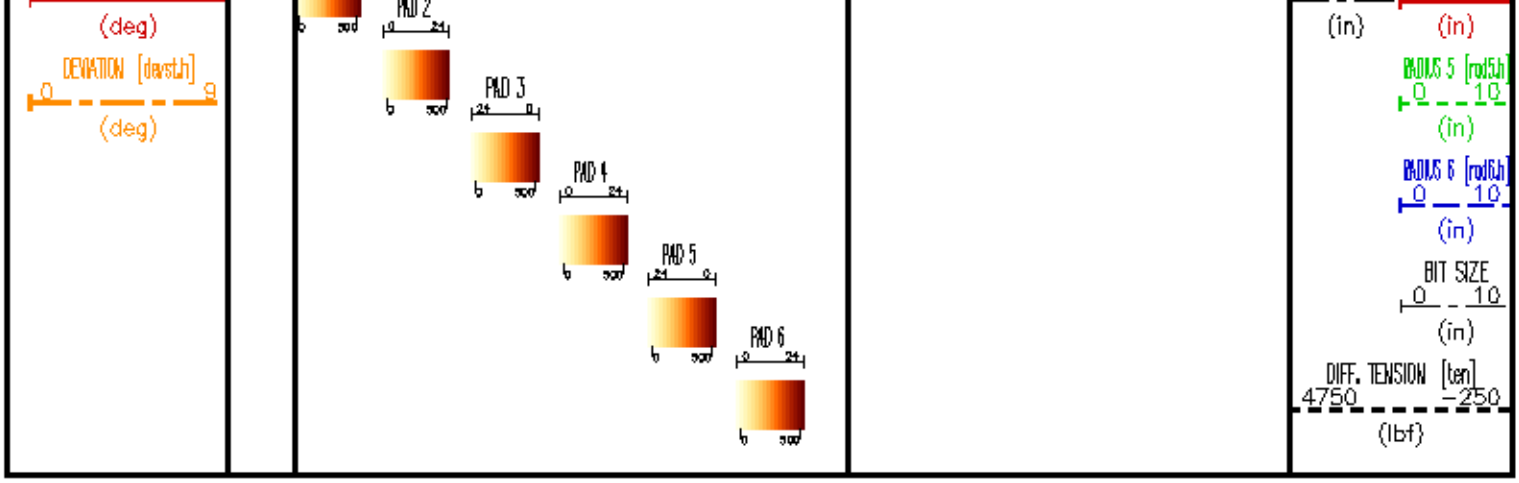
10
PAD 1



CALIBRATION / VERIFICATION SUMMARY

Source File /dell1a/573995/k057m.da1

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 10203000 DATE/TIME PERFORMED: Sun Oct 25 14:28:31 2009

UNIT #: 3885TD ML4232 CALB JIG #: 4702NK DA-321

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	269.02	1162.98	893.9 (850.0 980.0)	0.168	45.14	195.14	150

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 10203000 DATE/TIME PERFORMED: Sun Oct 25 14:33:28 2009

UNIT #: 3885TD ML4232 VERI JIG #: 4702NK DA-321

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	269.44	1191.73	0.168	45.21	199.97	154.76 (140.00 160.00)

GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 10203000 DATE/TIME PERFORMED: Tue Nov 10 11:49:43 2009 DAYS SINCE CAL: 15

UNIT #: 3885TD ML4232 VERI JIG #: 4702NK DA-321

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	341.58	1213.11	0.168	57.32	203.58	146.24 (144.75 154.75)

STARCAL PRIMARY CALIBRATION SUMMARY

TOOL #: 4236MA 10489537 DATE/TIME PERFORMED: Tue Nov 10 11:39:24 2009

UNIT #: 3885TD ML4232

	SMALL RING (raw)	LARGE RING (raw)	MULT (in/raw)	ADD (in)	SMALL RING (in)	LARGE RING (in)
RADIUS 1	1225.6	2673.3	0.0021	1.4604	4.000	7.000

RADIUS 2	1191.4	2668.4	0.0020	1.5802	4.000	7.000
RADIUS 3	1215.8	2685.5	0.0020	1.5183	4.000	7.000
RADIUS 4	1203.6	2670.9	0.0020	1.5391	4.000	7.000
RADIUS 5	1174.3	2641.6	0.0020	1.5990	4.000	7.000
RADIUS 6	1254.9	2712.4	0.0021	1.4171	4.000	7.000
CALIPER 1					8.000	14.000
CALIPER 2					8.000	14.000
CALIPER 3					8.000	14.000

	SMALL RING	LARGE RING
PAD FORCE %	1.237	1.343
DC MOTOR V	0.1	0.1

STARCAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 4236MA 10489537 DATE/TIME PERFORMED: Tue Nov 10 11:45:46 2009 DAYS SINCE CAL: 0

UNIT #: 3885TD ML4232

	I.D. (raw)	MULT	ADD	I.D. (in pct V)	CASING SIZE (in)
RADIUS 1	1242.7	0.00207	1.46037	4.035	
RADIUS 2	1220.7	0.00203	1.58017	4.060	
RADIUS 3	1228.0	0.00204	1.51827	4.025	
RADIUS 4	1203.6	0.00204	1.53910	4.000	
RADIUS 5	1181.6	0.00204	1.59900	4.015	
RADIUS 6	1254.9	0.00206	1.41709	4.000	
CALIPER 1				8.035	8.000
CALIPER 2				8.074	
CALIPER 3				8.025	
PAD FORCE				14.942	
DC MOTOR V				0.1	

STAR_OR PRIMARY CALIBRATION SUMMARY

TOOL #: 102NBX 10489537 DATE/TIME PERFORMED: Tue Nov 10 11:31:16 2009

UNIT #: 3885TD ML4232 ORIENTATION #: 4401XB 10165248

	DEV (deg)	QA (mG)	MEAS RB (deg)	RB OFFSET (deg)	ROTATED RB (deg)
ORIT TBM CHECK	90.0	1000.2 (990.0 – 1010.0)	0.7		
STAR ORIENTATION			275.3	275.3	0.0

STAR_OR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 102NBX 10489537 DATE/TIME PERFORMED: Tue Nov 10 11:31:38 2009 DAYS SINCE CAL: 0

UNIT #: 3885TD ML4232

	DEV (deg)	QA (mG)	ROTATED RB (deg)
STAR ORIENTATION	90.0	1001.1 (990.0 – 1010.0)	0.0 (-1.5 – 1.5)

CBILB_OR PRIMARY CALIBRATION SUMMARY

TOOL #: 1671MB 167246 DATE/TIME PERFORMED: Tue Nov 10 11:27:32 2009

UNIT #: 3885TD ML4232 ORIENTATION #: 4401XB 10165246

	DEV (deg)	QA (mG)	MEAS RB (deg)	RB OFFSET (deg)	ROTATED RB (deg)
ORIT TBM CHECK	90.0	1000.2 (990.0 – 1010.0)	0.7		
CBIL ORIENTATION			258.4	258.4	0.0

CBILB_OR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1671MB 167246 DATE/TIME PERFORMED: Tue Nov 10 11:33:09 2009 DAYS SINCE CAL: 0

UNIT #: 3885TD ML4232

	DEV (deg)	QA (mG)	ROTATED RB (deg)
CBIL ORIENTATION	90.0	1001.9 (990.0 – 1010.0)	1.5 (-1.5 – 1.5)

INSTRUMENT CONFIGURATION

Source File: /dall/a/575995/k857m~C0S0-kdg

CABLEHEAD
- Series : CABL33B
- Mnemonic : CBLH
- Diameter : 3.38"
- Weight : 24 lbs
- Length : 5.50'

DOWNHOLE POWER ADAPTER
- Series : 4430XB
- Mnemonic : DHPA
- Diameter : 3.62"
- Weight : 86 lbs
- Length : 5.27'

SWIVEL
- Series : 3944XD
- Mnemonic : SWVL

TTRM SUB
- Series : 3961XA
- Mnemonic : TTRM
- Diameter : 3.63"

WTS COMMON REMOTE
- Series : 3514XB
- Mnemonic : WTS
- Diameter : 3.63"
- Weight : 126 lbs
- Length : 6.36'

95.40'

CABLEHEAD TOP — 92.65'

TEMP MP — 78.84'

RM MP — 78.59'

DIGITAL SPECTRALOG
Series : 1329XA
Mnemonic : DSL
Diameter : 3.63"
Weight : 130 lbs
Length : 7.31'

GR MP — 65.38'

C6PC IMAGER POWER SUPPLY
Series : 1022PA
Mnemonic : C6PC
Diameter : 3.62"
Weight : 116 lbs
Length : 9.08'

C6PC IMAGER ELECTRONICS
Series : 1036EA
Mnemonic : C6PC
Diameter : 3.62"
Weight : 94 lbs
Length : 9.08'

C6PC IMAGER MANDREL
Series : 4236MA
Mnemonic : C6PC
Diameter : 5.25"
Weight : 278 lbs
Length : 12.50'

PAD MP — 38.43'

ISOLATION RETURN SUB
Series : 3992XA

KNUCKLE JOINT (DOUBLE)
Series : 3939XA
Mnemonic : KNJT
Diameter : 3.38"
Weight : 90 lbs

DIGITAL ORIENTATION
Series : 4401XB
Mnemonic : ORIT
Diameter : 3.38"
Weight : 110 lbs
Length : 10.81'

ORIENT MP — 15.57'

DIGITAL CBIL ELECTRONICS
Series : 1671EB
Mnemonic : CBIL
Diameter : 3.38"
Weight : 120 lbs
Length : 7.48'

DIGITAL CBIL MANDREL
Series : 1671MB

Mnemonic : CBIL
Diameter : 3.63'
Weight : 150 lbs
Length : 7.81'

MUD MP — 3.55'

IMAGE MP — 1.61'

0.00'

BULL PLUG 3 3/8

TOTAL LENGTH: 95.40'
TOTAL WEIGHT: 1495 lbs
MAX DIAMETER: 0'5.25"

BAKER HUGHES

Baker Atlas

COMPANY SIERRA GEOTHERMAL POWER, INC.
WELL ALUM 25-29
FIELD ALUM
COUNTY ESMERALDA STATE NEVADA

FILE NO:

API NO: 27-009-90074

LOCATION:
2235.18' FSL & 938.11' FWL
SW/C

SEC 29 TWP 1N RGE 38.5E

ELEVATIONS:
KB 4919.57 FT
DF
GL 4903.57 FT

DATE 15-NOV-2009