

MicroScopeHD Resistivity Image

HD Resistivity Image

C0002Q Run2, Real-time Log, Time Index



Company: JAMSTEC

Well: C0002Q

Field: C0002

Rig Name: D/V Chiky

Prefecture: Wakayama

Country: Japan

Latitude: 33° 18' 3.042" N

Longitude: 136° 38' 12.174" E

Block: Pacific Ocean

FL1: X = 652,382.39 m

FL2: Y = 3,685,834.62 m

UWID:

Rig Name:

Rig Type:

D/V Chiky

Drill ship

Log Measured From: - Drill Floor: 28.50 m
Permanent Datum: - Mean Sea Level

Ground Level: 1939.00 m

Acquisition Dates: 22-Nov-2018 -- 25-Nov-2018

Log Interval: Nov-23, 2018 8:00AM - Nov-24, 2018 12:00PM

Index Types: Time

Index Scales: 15 cm / 3600 secs

Depth Source: Driller's Depth

Depth Sensor: DES

Print Type: Final

Spud Date: 26-Oct-2018

Other Services:

Direction and Inclination

APWD

seismicVISION

SonicScope

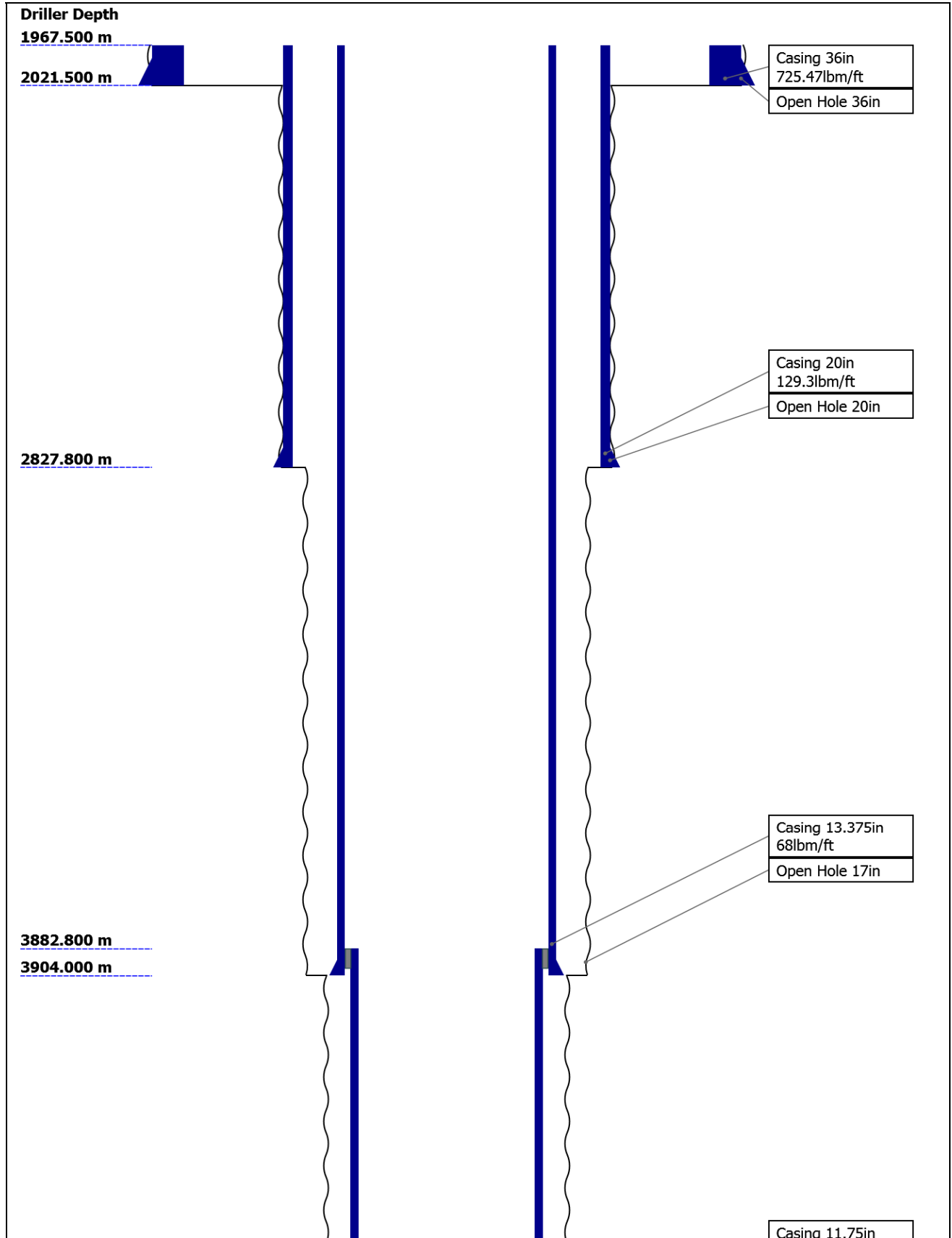
Disclaimer

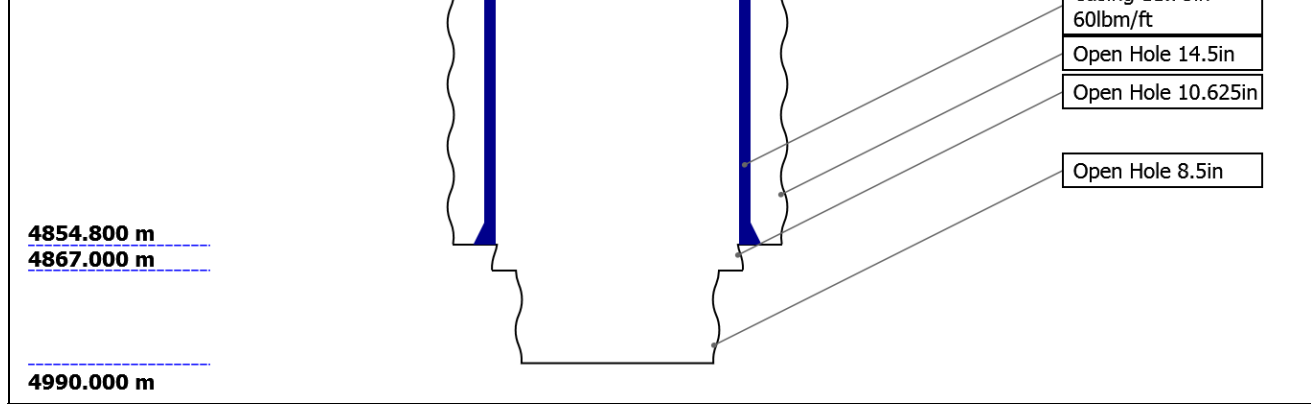
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA;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

Contents

1. Header
2. Disclaimer
3. Contents
4. Well Sketch
5. Borehole Size/Casing/Tubing Record
6. Operational Run Summary
7. Borehole Fluids
8. Remarks and Equipment Summary
9. Survey Record
10. Run 4
 - 10.1 Integration Summary
 - 10.2 Software Version
 - 10.3 Composite Summary
 - 10.4 Log (UHRI Image Time)
 - 10.5 Parameter Listing
11. Tail

Well Sketch





Borehole Size/Casing Record

Bit						
Bit Size (in)	36	20	17	14.5	10.625	8.5
Top Driller (m)	1967.5	2021.5	2827.8	3904	4854.8	4867
Bottom Driller (m)	2021.5	2827.8	3904	4854.8	4867	4990
Casing						
Size (in)	36	20	13.375	11.75		
Weight (lbm/ft)	725.47	129.3	68	60		
Inner Diameter (in)	32.099	18.779	12.415	10.772		
Grade	X56	X56	N/A	N/A		
Top Driller (m)	1967.5	1967.5	1967.5	3882.8		
Bottom Driller (m)	2021.5	2827.8	3904	4854.8		

Operational Run Summary

Parameter (unit)	Run 4					
Date Log Started	22-Nov-2018					
Time Log Started	03:44:29					
Date Log Finished	25-Nov-2018					
Time Log Finished	08:28:02					
Bit Size (in)	8.500					
Bit Start Depth (m)	0.00					
Bit Stop Depth (m)	0.00					
Top Log Interval (m)	4860.70					
Bottom Log Interval (m)	4898.90					
Max Hole Deviation (deg)	1.64					
Azimuth of Max Deviation (deg)	90.69					
Logging Unit Number	OLU-MB 8054					
Logging Unit Location	Zone2					
Recorded By	SMoriyama/SMurakami/KBian					
Witnessed By	YSanada/YKido					
Service Order Number	18JAP0007					

Borehole Fluids

Parameter(unit)	Run 4				
Fluid Type	Water				
Max Recorded Temperatures (degC)	50				
Source of Sample	Active Tank				
Salinity (ppm)	141288.5				
Density (g/cm3)	1.37				
Funnel Viscosity (s)	56				
Fluid Loss (cm3)	2.5				
PH	9.9				
Source RMF	Pressed				
RMC	Pressed				
RM @ Meas Temp (ohm.m@degC)	0.06 @ 21.1				
RMF @ Meas Temp (ohm.m@degC)	0.05 @ 20.2				
RMC @ Meas Temp (ohm.m@degC)	0.07 @ 19.8				
RM @ BHT (ohm.m@degC)	0.04 @ 50				
RMF @ BHT (ohm.m@degC)	0.03 @ 50				
RMC @ BHT (ohm.m@degC)	0.04 @ 50				
Total Solid (%)	16.5				
High Gravity Solids (%)	0				

Remarks and Equipment Summary

Run 4: Toolstring				Run 4: Remarks
Equip name seismicVISION675 :42835	Length 34.5	MP name Schlumberger	Offset	Depth Reference is driller's depth measured from Rotary Table.
				Data presented is Recorded Mode data which was acquired while drilling.
				MicroScope record rate is depending on RPM. APWD record rate is 10s.
				MicroScope GR in this log is not environmentally corrected due to realtime data
				Reason of POOH: Hole Condition
				Drilling Time: 0.00 hrs
				Pumping Time: 34.04 hrs
				MicroScope GR data could not be plotted partially due to Maxwell bug.



TELE675-IWOB:G3 20.03
917

Schlumberger

D&I 15.79

GR 15.15

ROP 13.44

IWOB 12.43

ARC6:ZL37312 11.65

Schlumberger

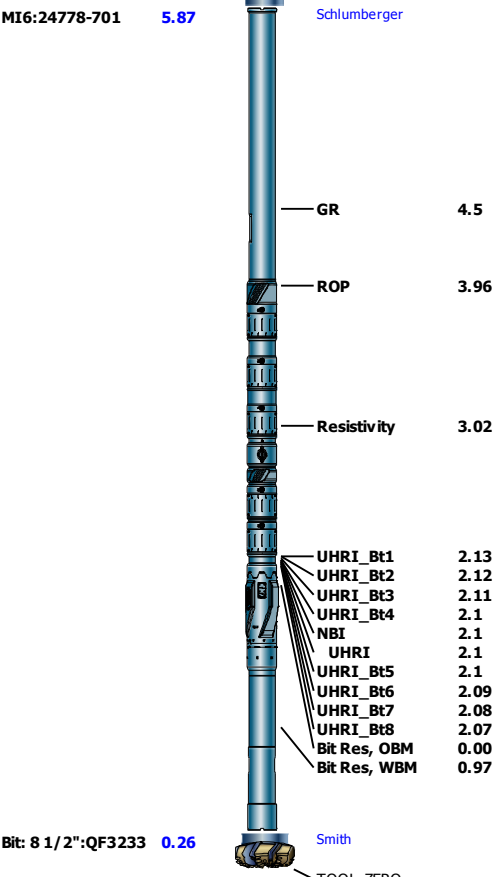
ROP 9.41

GR 8.35

Resistivity 8.3

Pressure 7.58





Lengths are in m
 Maximum Outer Diameter = 8.500 in
 Line: Sensor Location, Value: Gating Offset
 All measurements are relative to TOOL_ZERO

Survey Record

Survey Calculation

Method :	Minimum Radius of Curvature	DLS Method :	Lubinski
North Reference :	Grid North	Total Correction Formula :	Magnetic Dec - Grid Convergence
Grid Convergence :	0.90 deg		

Rig Location

Latitude :	33° 18' 3.042" N	Longitude :	136° 38' 12.174" E
------------	------------------	-------------	--------------------

Tie In Point

Measured Depth:	4853.87 m	Inclination:	1.64 deg	Azimuth:	90.69 deg
True Vertical Depth:	4852.02 m	North Displacement:	-0.27 m	East Displacement:	49.95 m
N/-S VSec Origin:	0.00 m	E/-W VSec Origin:	0.00 m	Vertical Section Azimuth:	90.28 deg

D&I Inits Computed and Values Used - Run 7

Geomagnetic Model :	HDGM 2018	Geomagnetic Date :	17-Nov-2018
Computed Location B :	46164.86 nT +/- 300.00nT	Used Location B :	46164.86 nT +/- 300.00nT
Computed Location G :	998.92 mgn +/- 2.50mgn	Used Location G :	998.92 mgn +/- 2.50mgn
Computed Magnetic Dip :	47.02 deg +/- 0.45deg	Used Magnetic Dip :	47.02 deg +/- 0.45deg
Computed Magnetic Dec :	-7.16 deg	Used Magnetic Dec :	-7.16 deg
Computed Total Correction :	-8.06 deg	Used Total Correction :	-8.06 deg

Survey Quality Index

2 : Long Survey failed mag criteria 28 : Tie-In Point

Survey Correction Index

0 : No correction

Survey Description Index

0 : Not Flagged Survey

Seq	MD	Incl	Azim	Course	TVD	V Sec	N/ -S	E/ -W	Closure	at Azim	DLS	Tool Type	QI	CI	DI
-----	----	------	------	--------	-----	-------	-------	-------	---------	---------	-----	-----------	----	----	----

	(m)	(deg)	(deg)	(m)	(m)	(m)	(deg)	(m)	(m)	(deg)	deg/30m				
1	4853.87	1.64	90.69	----	4852.02	49.95	-0.27	49.95	49.95	90.31	0.00	TIP	28	0	0
2	4870.63	3.61	138.88	16.76	4868.77	50.54	-0.67	50.54	50.54	90.76	5.00	TeleScope	2	0	0
3	4882.77	3.16	140.86	12.13	4880.88	51.00	-1.22	51.00	51.01	91.37	1.14	TeleScope	2	0	0
4	4897.67	0.64	145.72	14.91	4895.77	51.31	-1.60	51.30	51.33	91.79	5.07	TeleScope	2	0	0
5	4908.67	0.96	50.36	11.00	4906.77	51.42	-1.60	51.41	51.44	91.78	3.28	TeleScope	2	0	0

Run 4

Software Version

Acquisition System	Version
Maxwell 2018 SP2	8.2.104493.3100

Pass Summary

Run Name	Pass Objective	Direction	Start	Stop	Include Parallel Data
Run 4	TimeLogicalAcq	Down	22-Nov-2018 3:44:29 AM	25-Nov-2018 8:28:02 AM	No

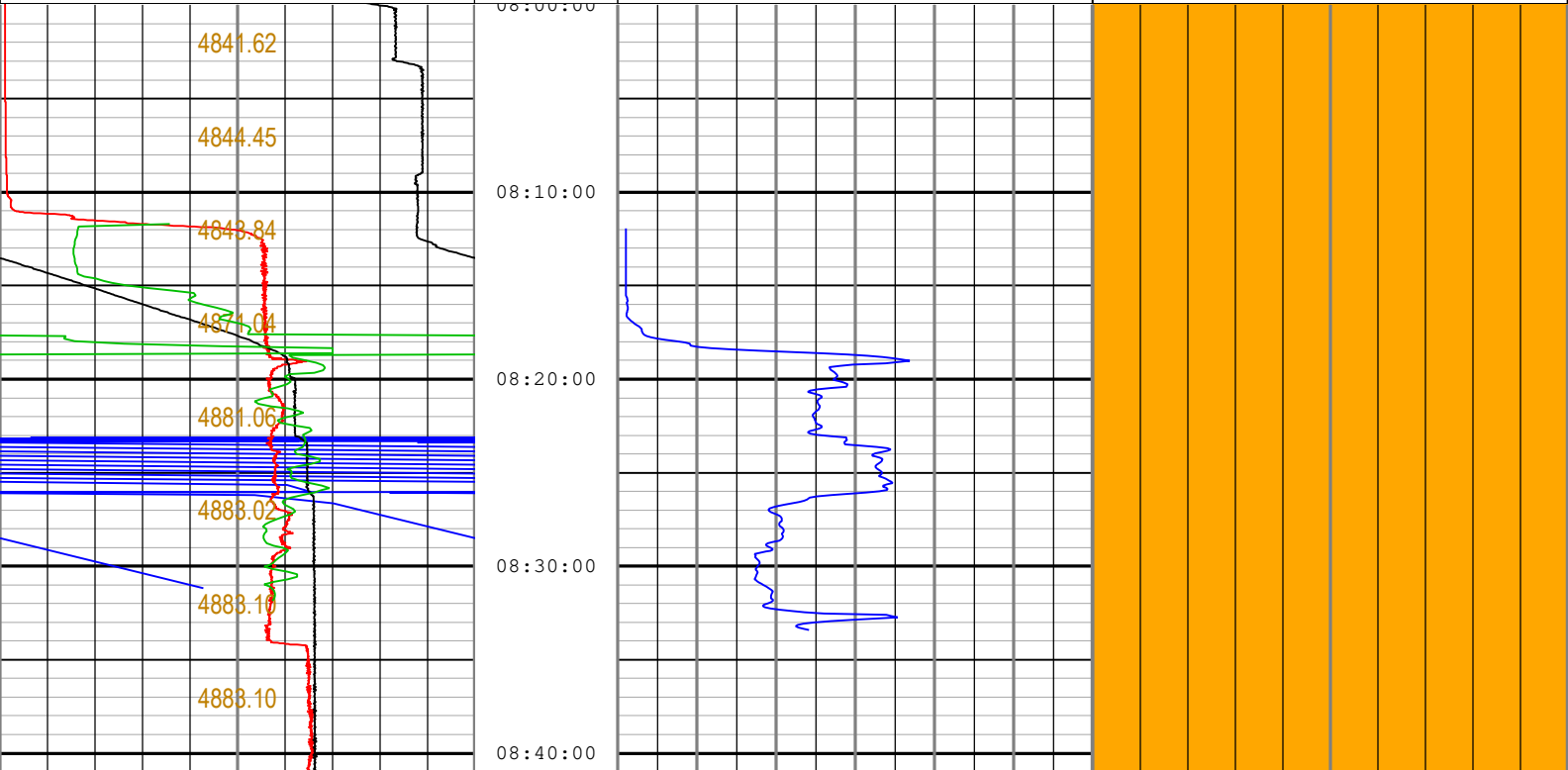
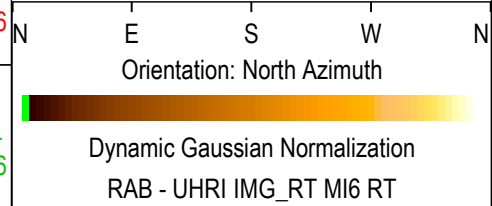
Log

Company: JAMSTEC Well: C0002Q

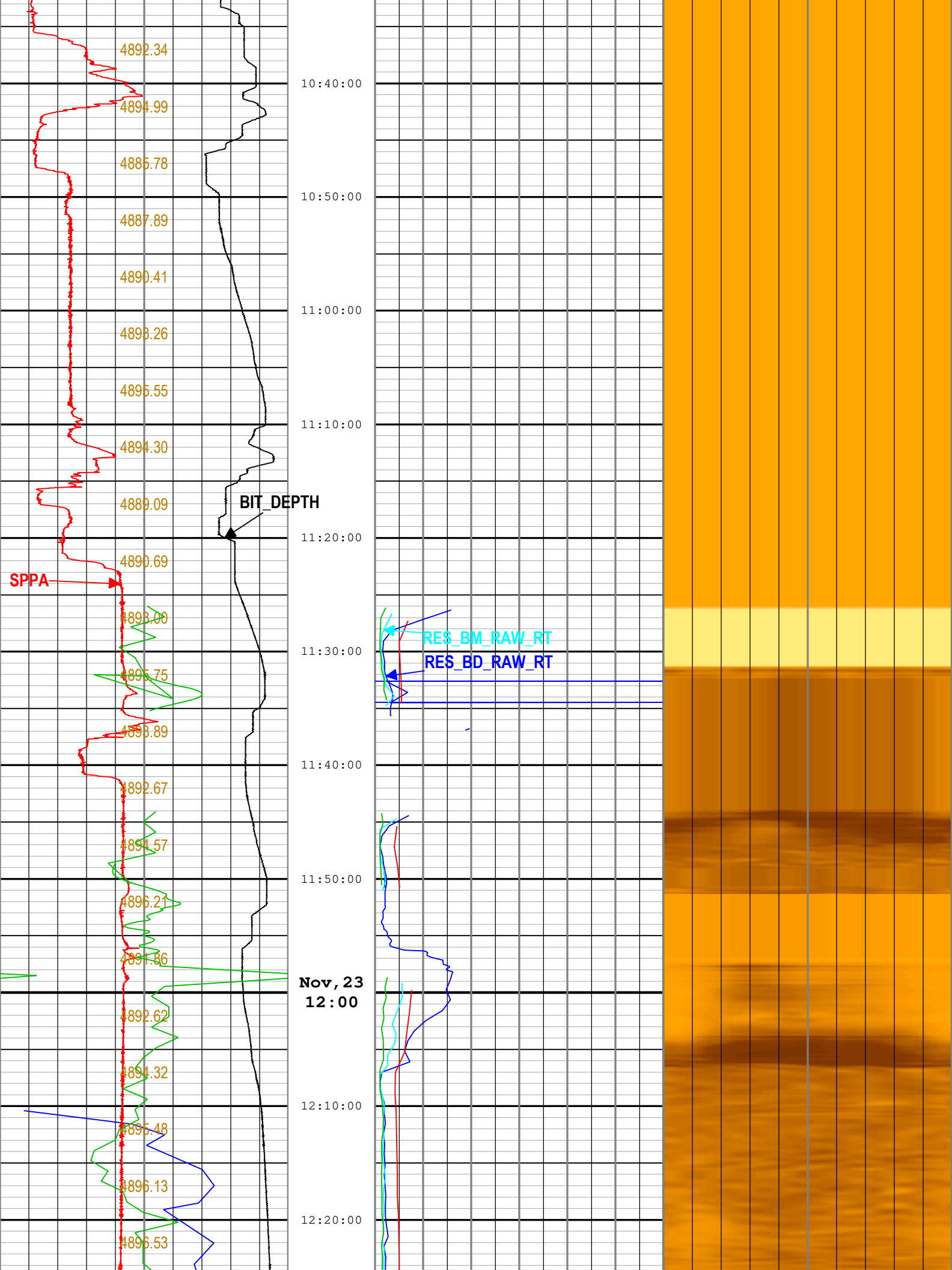
Run 4: TimeLogicalAcq: S125

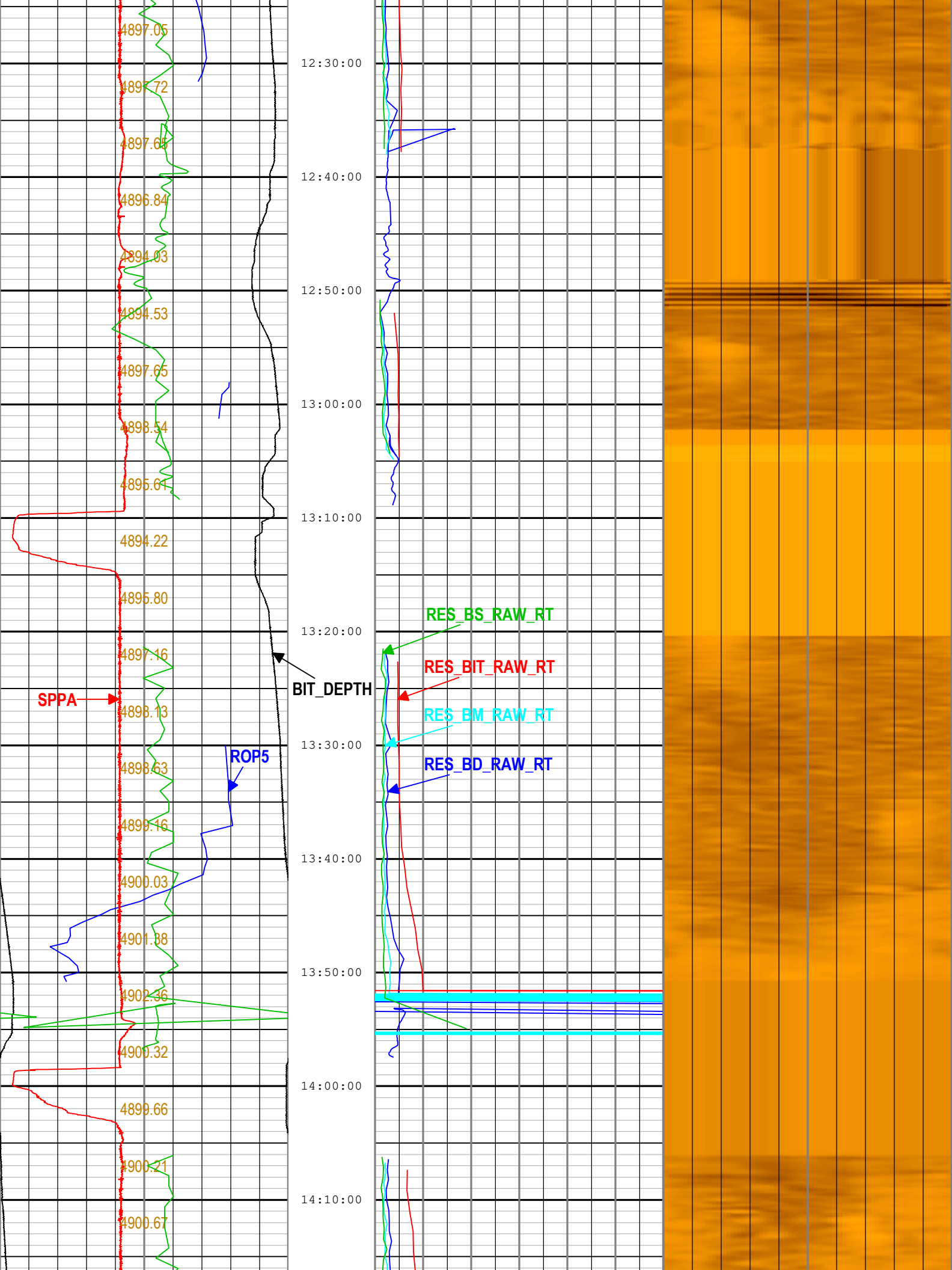
Description: Format: Log (UHRI Image Time) Index Scale: 15 cm per 3600 s Index Type: Time Creation Date: 06-Mar-2019 13:12:06

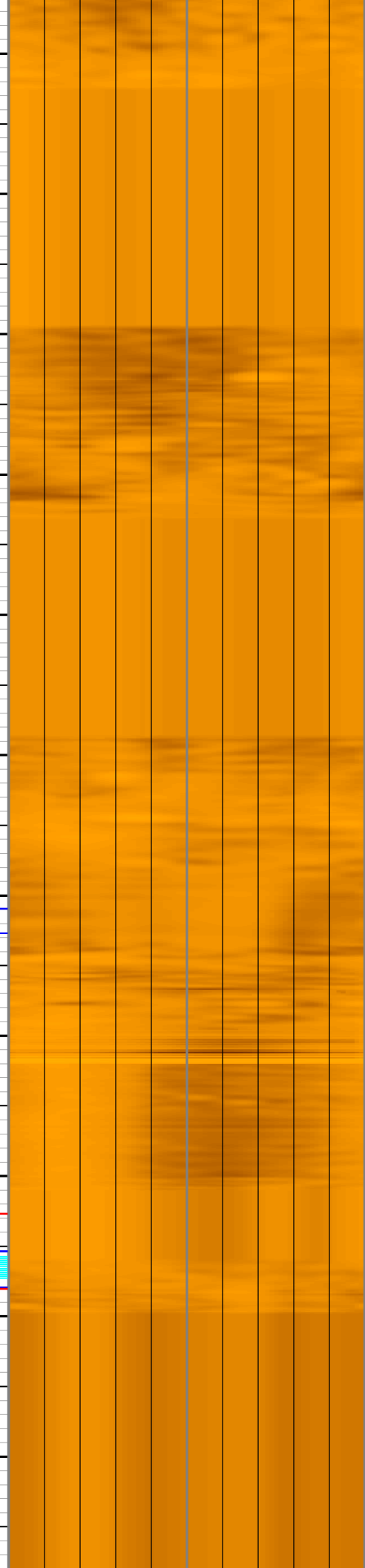
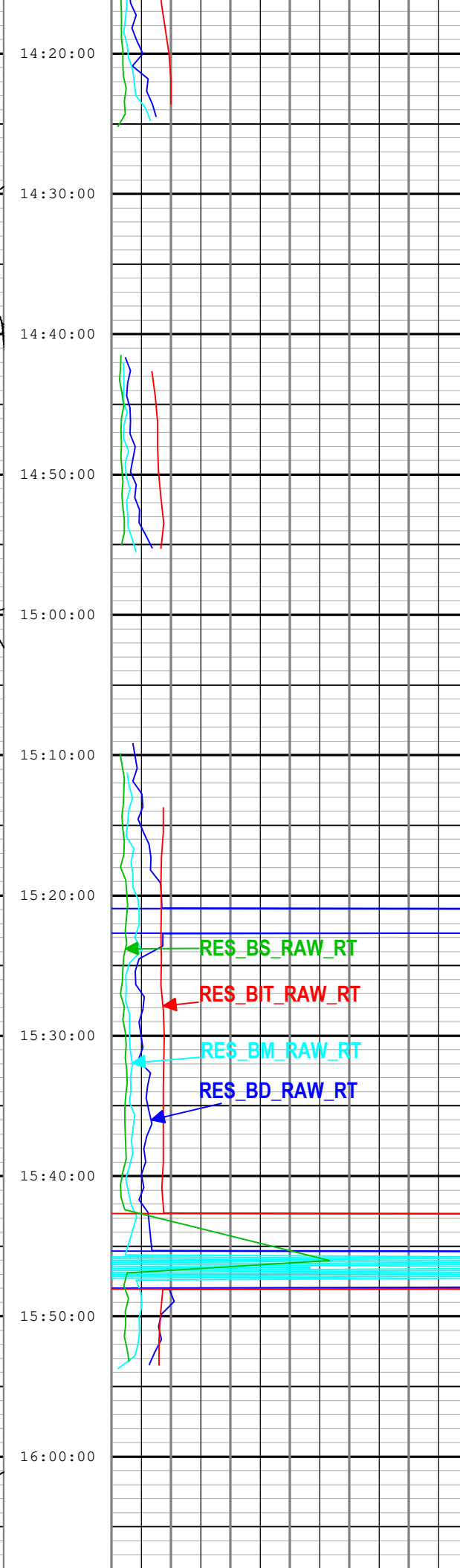
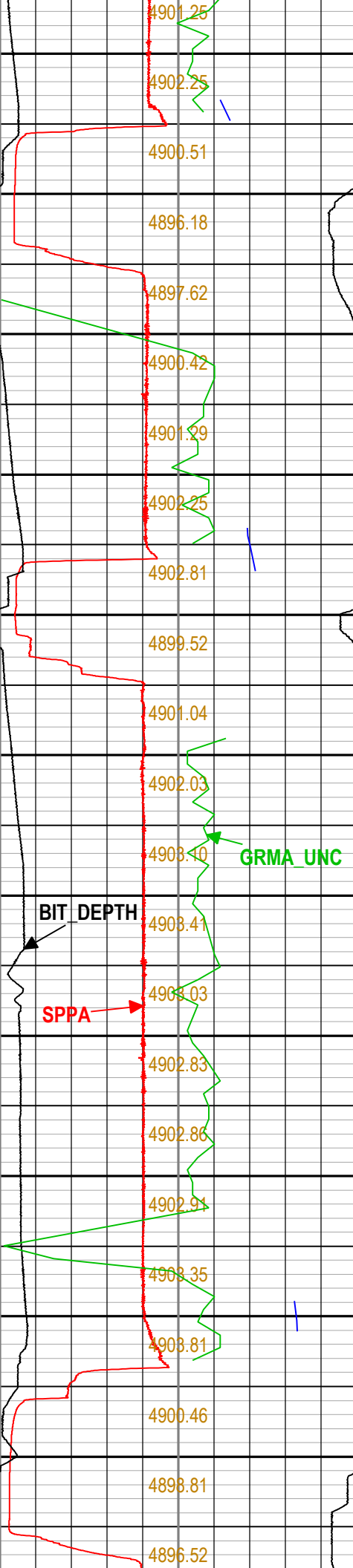
<u>Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT</u>	<u>Raw Deep Button Resistivity (RES_BD_RAW_RT) MI6 RT</u>	
20 m/h 0	0 ohm.m 6	
<u>Standpipe Pressure (SPPA) RT</u>	<u>Raw Medium Button Resistivity (RES_BM_RAW_RT) MI6 RT</u>	
0 MPa 30	0 ohm.m 6	
<u>Bit Depth (BIT_DEPTH) RT</u>	<u>Raw Bit Resistivity (RES_BIT_RAW_RT) MI6 RT</u>	
0 m 50	0 ohm.m 6	
<u>Bit Depth (BIT_DEPTH) RT</u>	<u>Raw Shallow Button Resistivity (RES_BS_RAW_RT) MI6 RT</u>	
0 m 150	0 ohm.m 6	
<u>Uncorrected Gamma Ray, Average (GRMA_UNC) MI6 RT</u>		
0 gAPI 150		

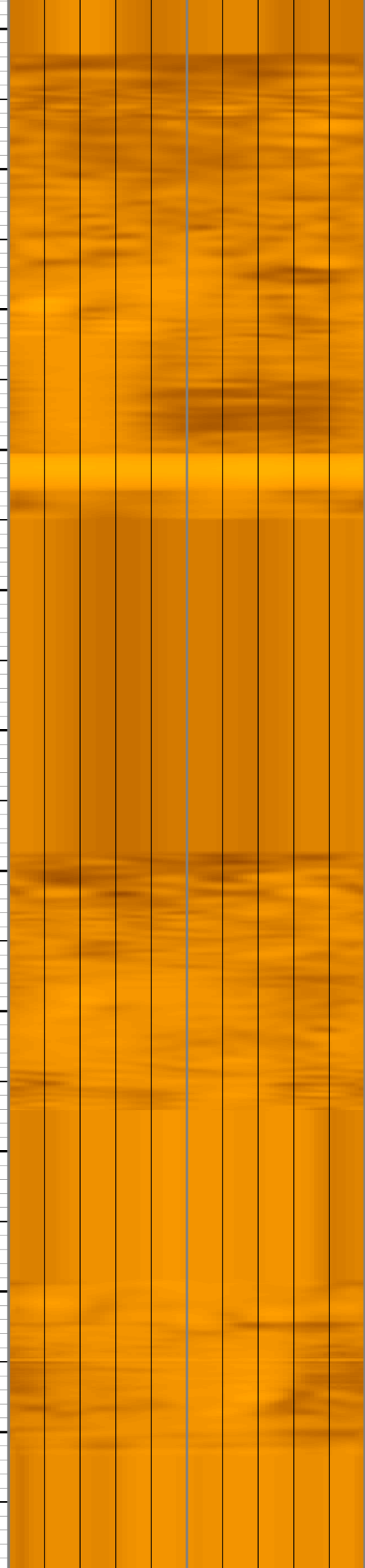
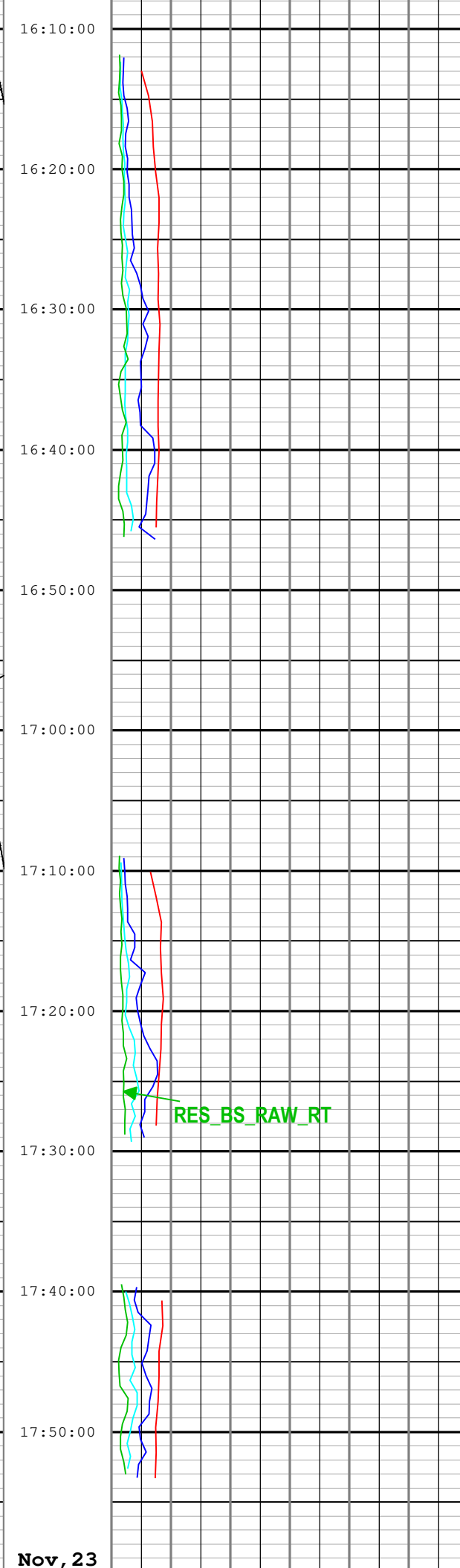
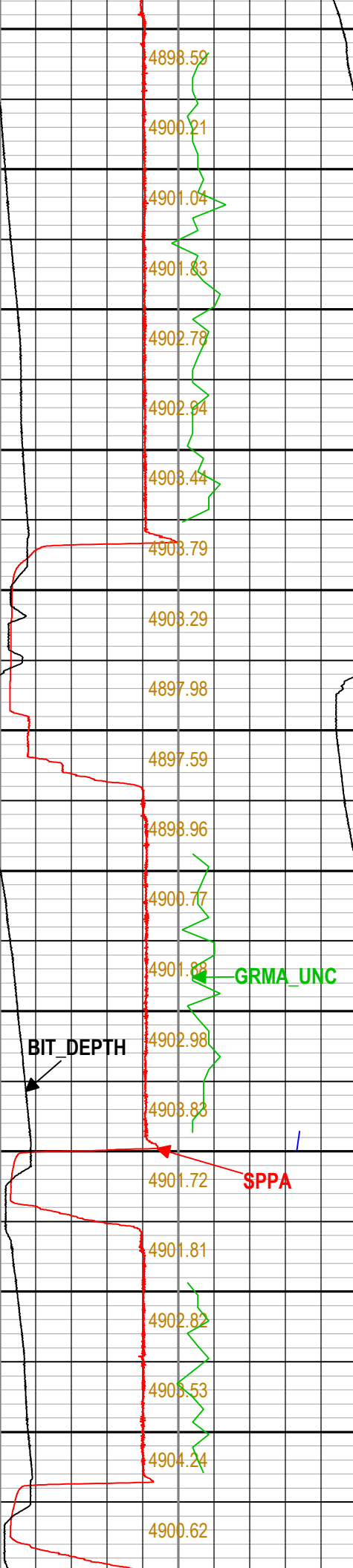


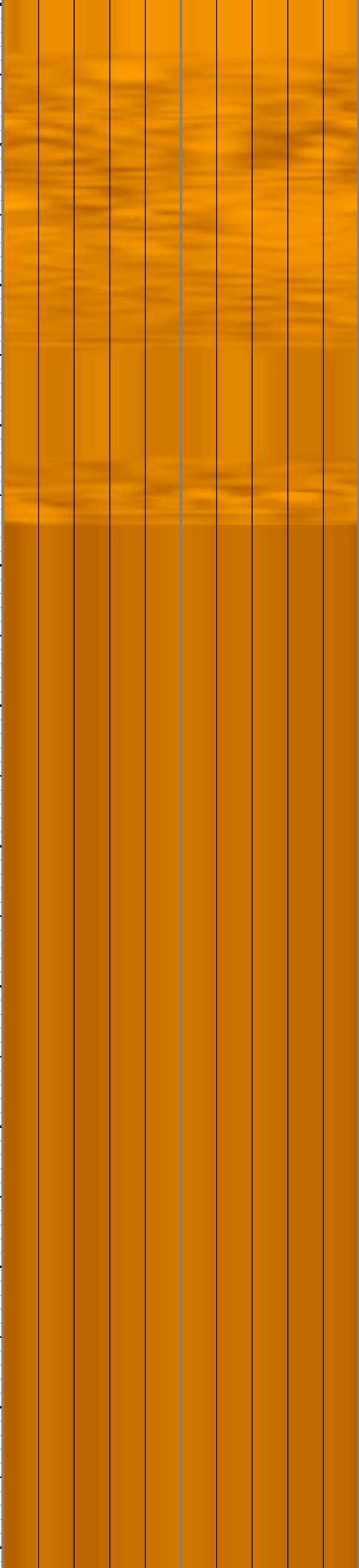
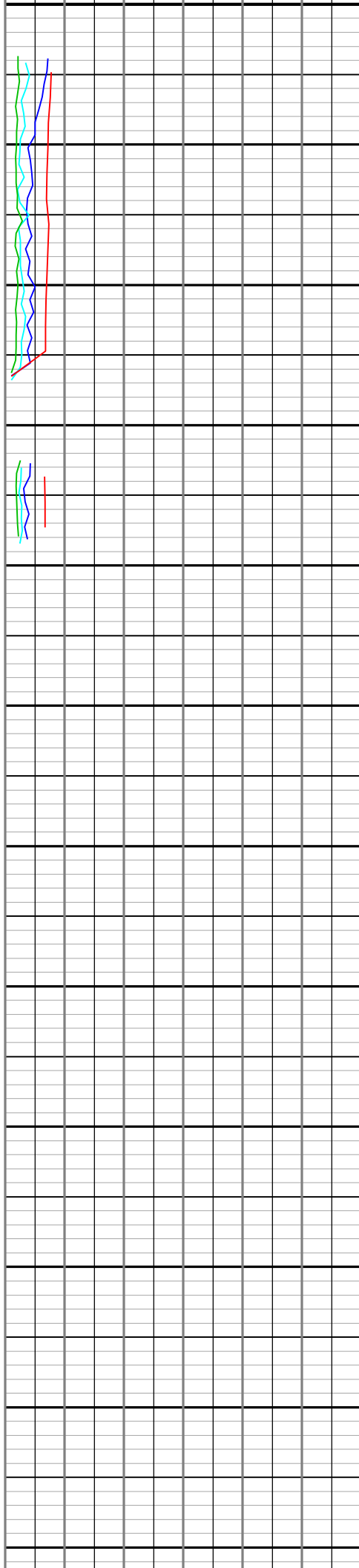
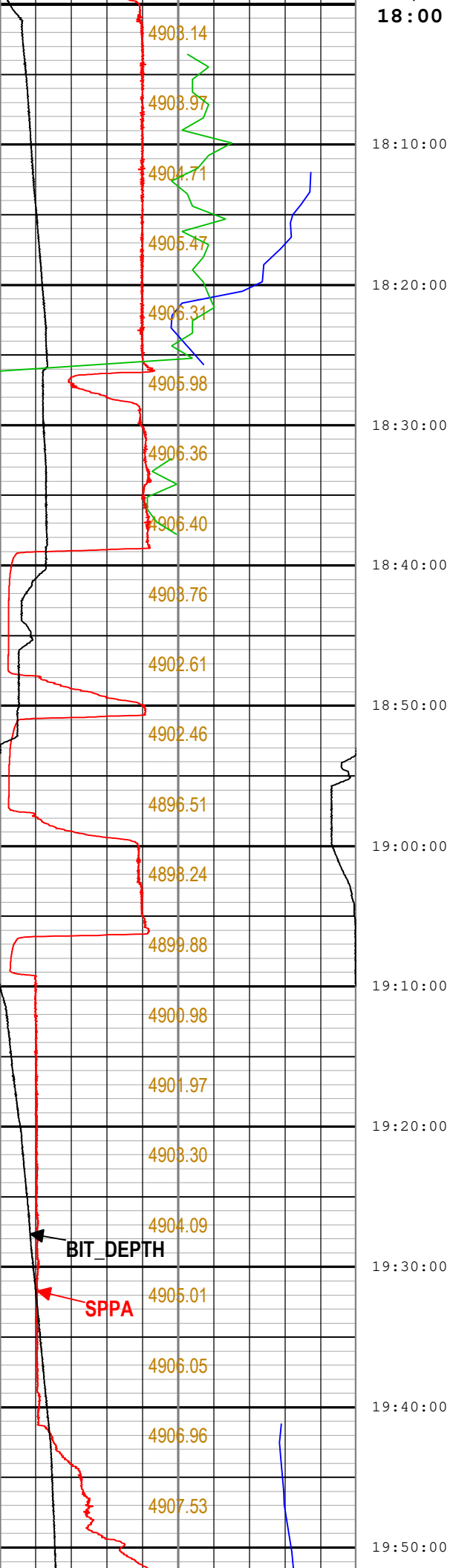


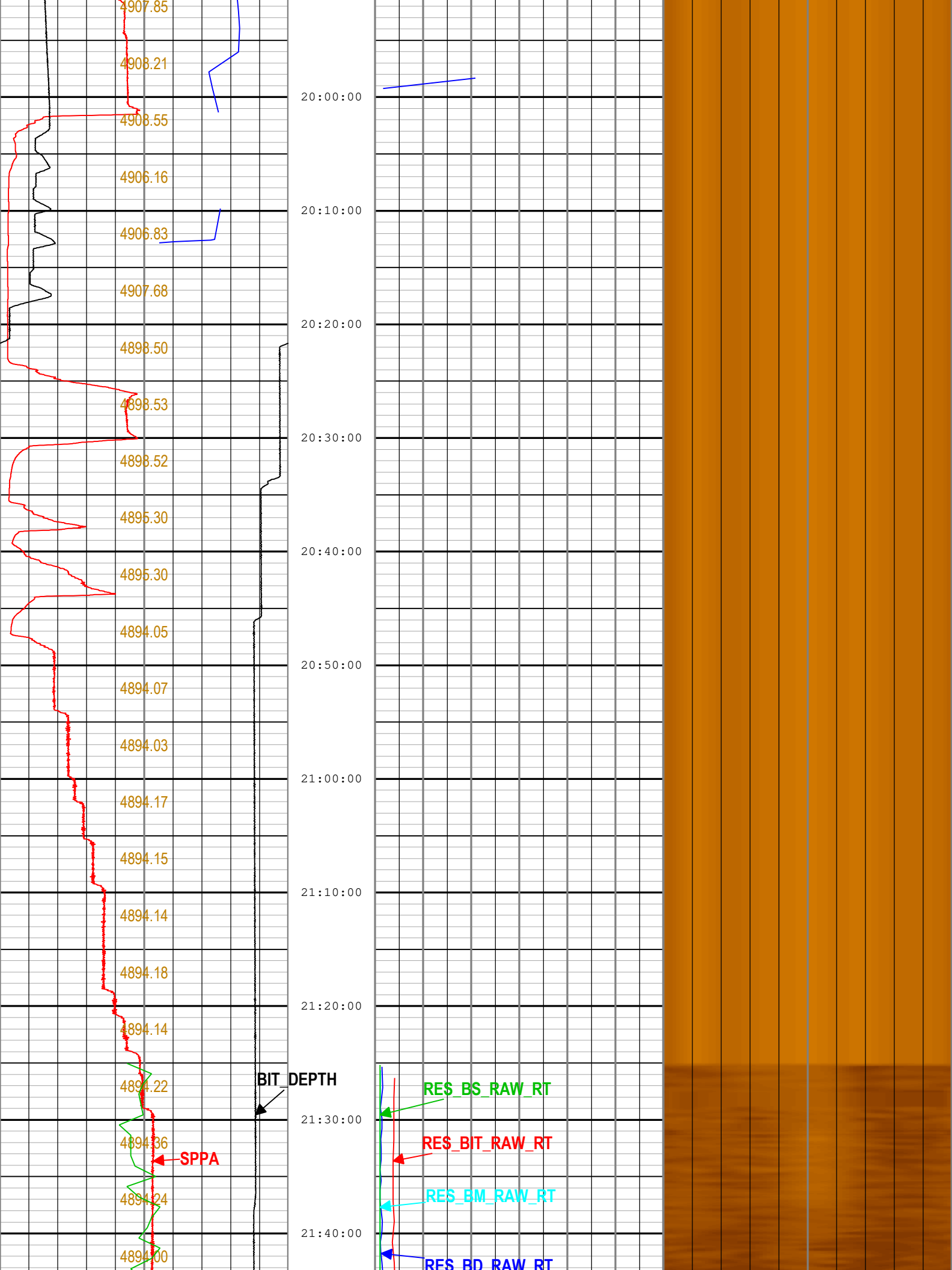


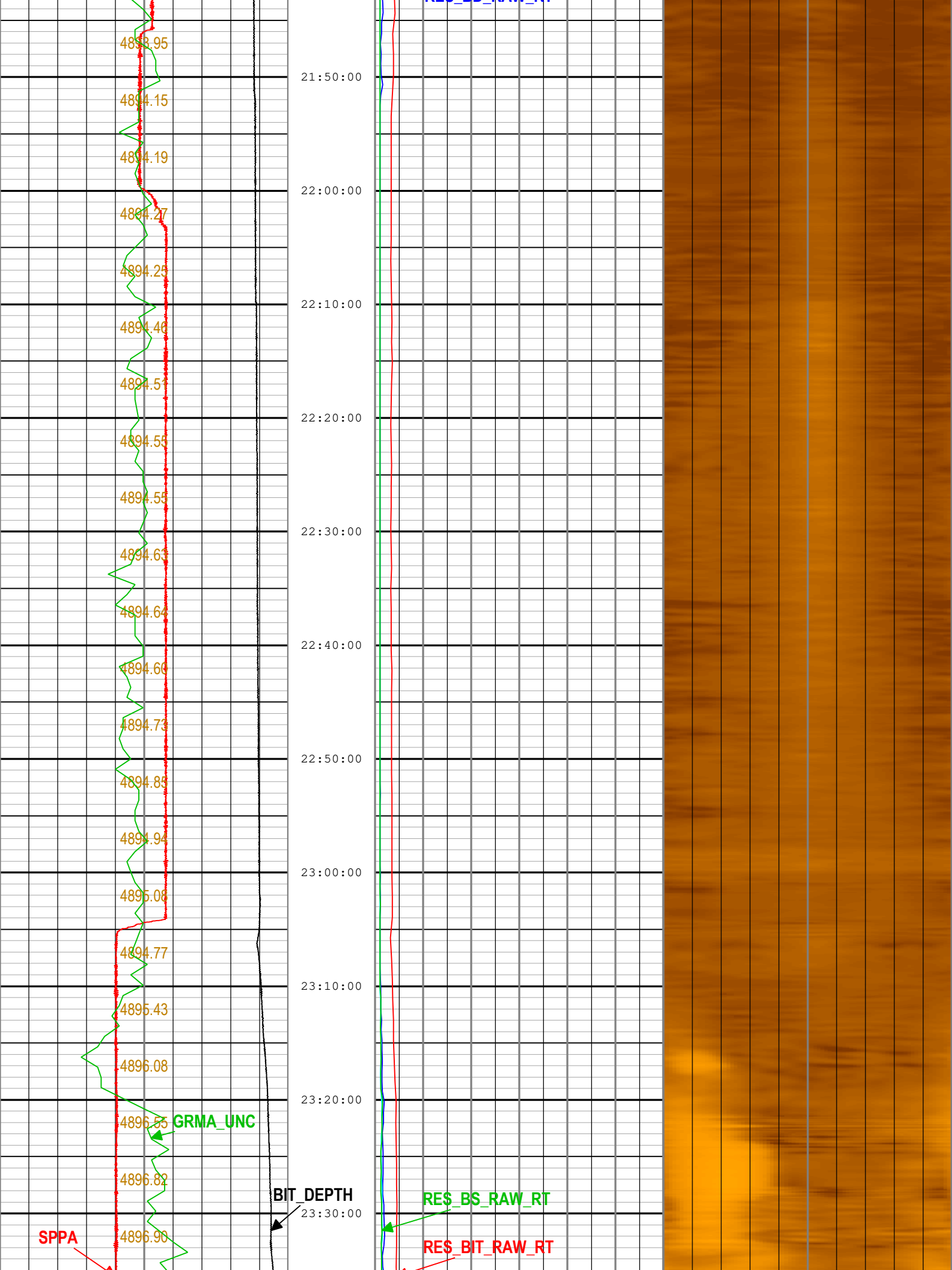


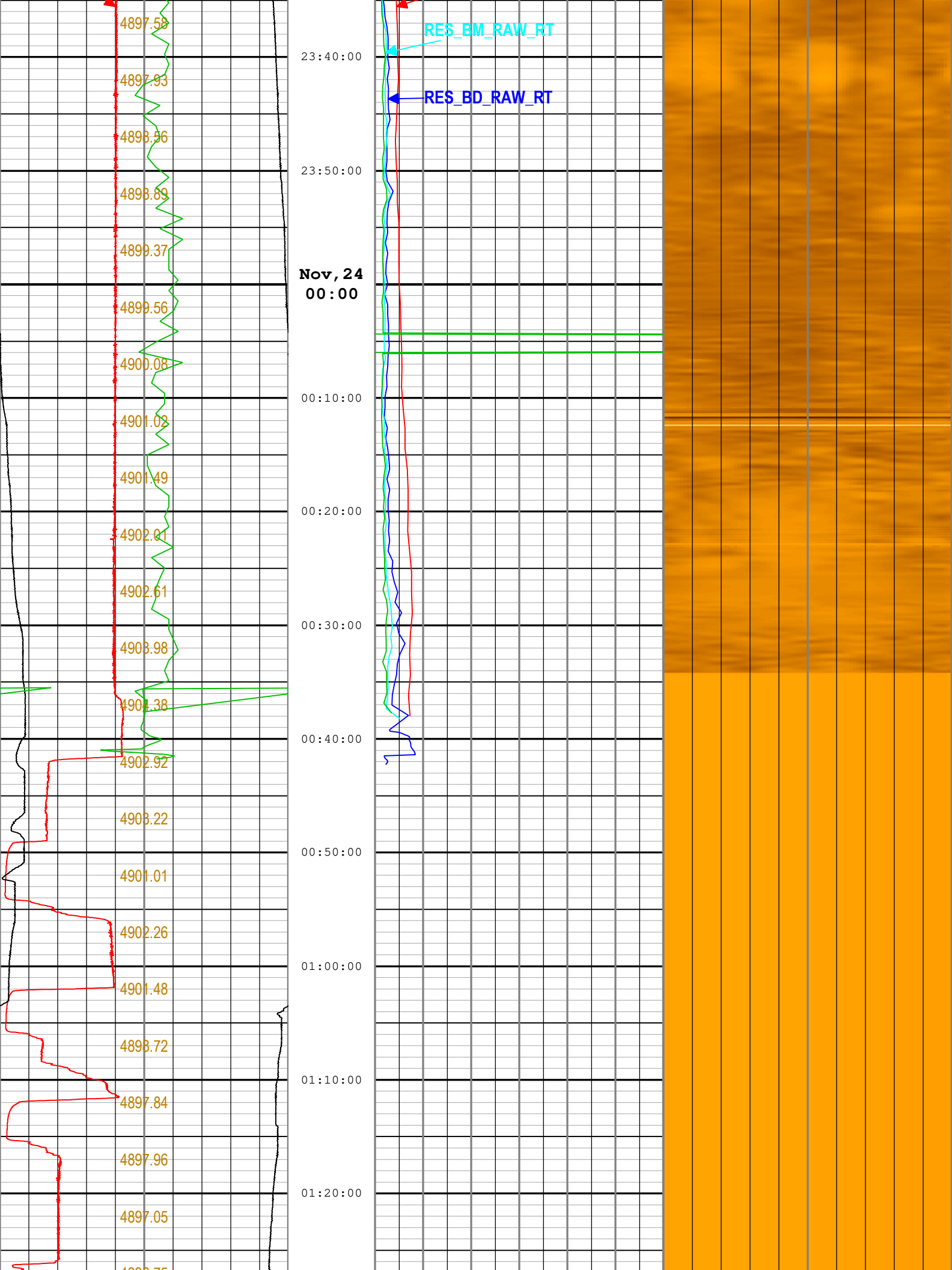


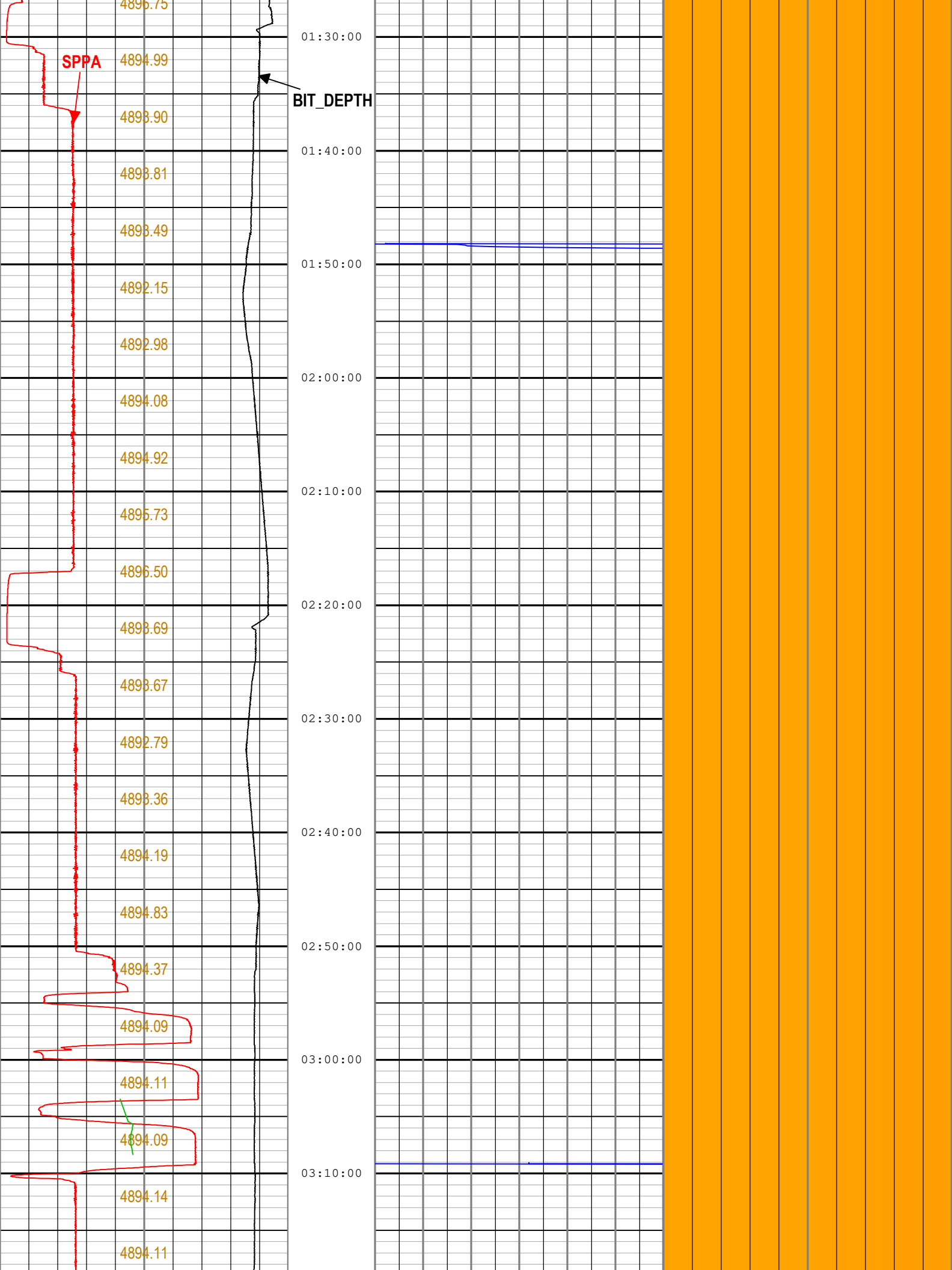


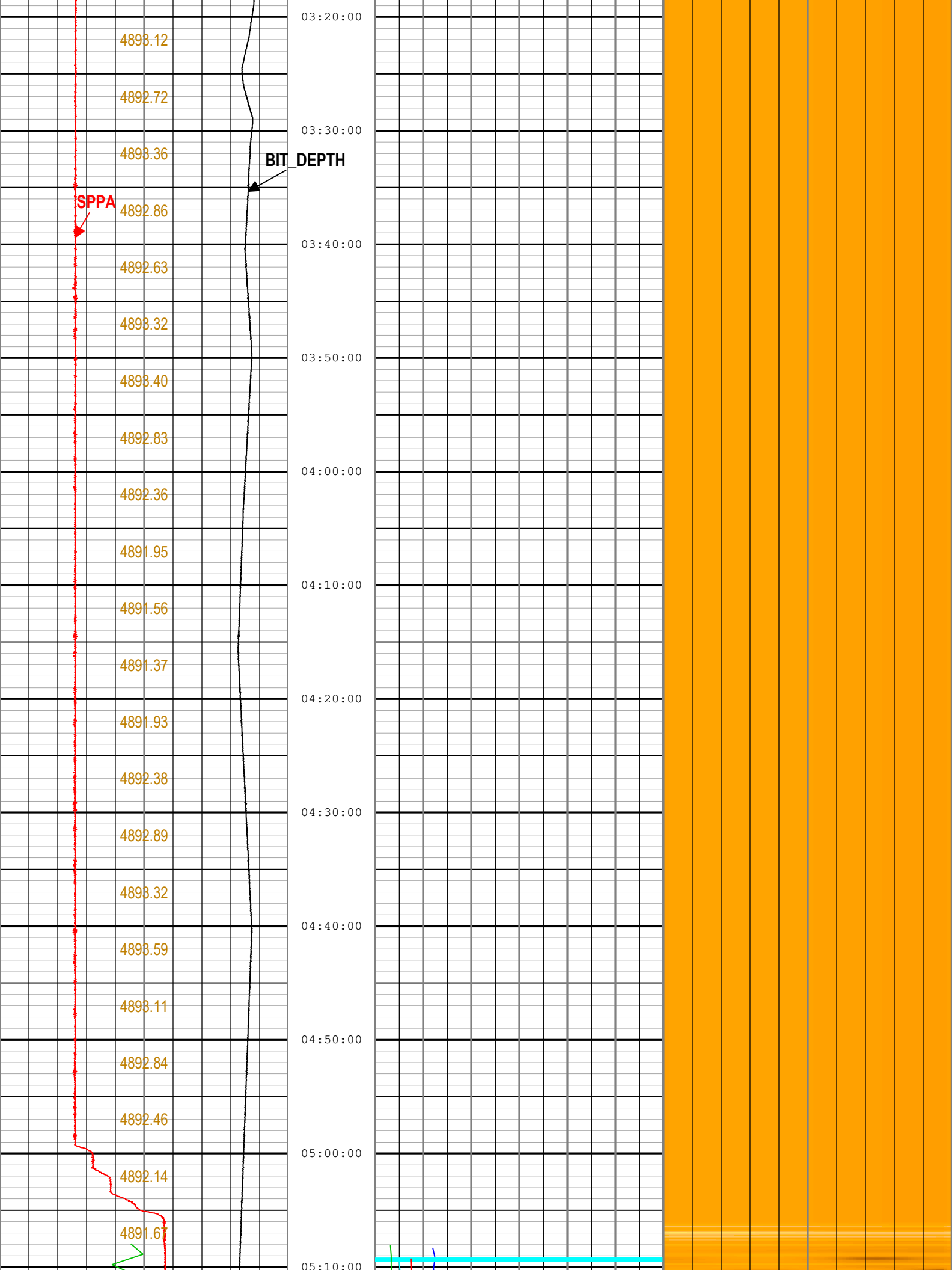


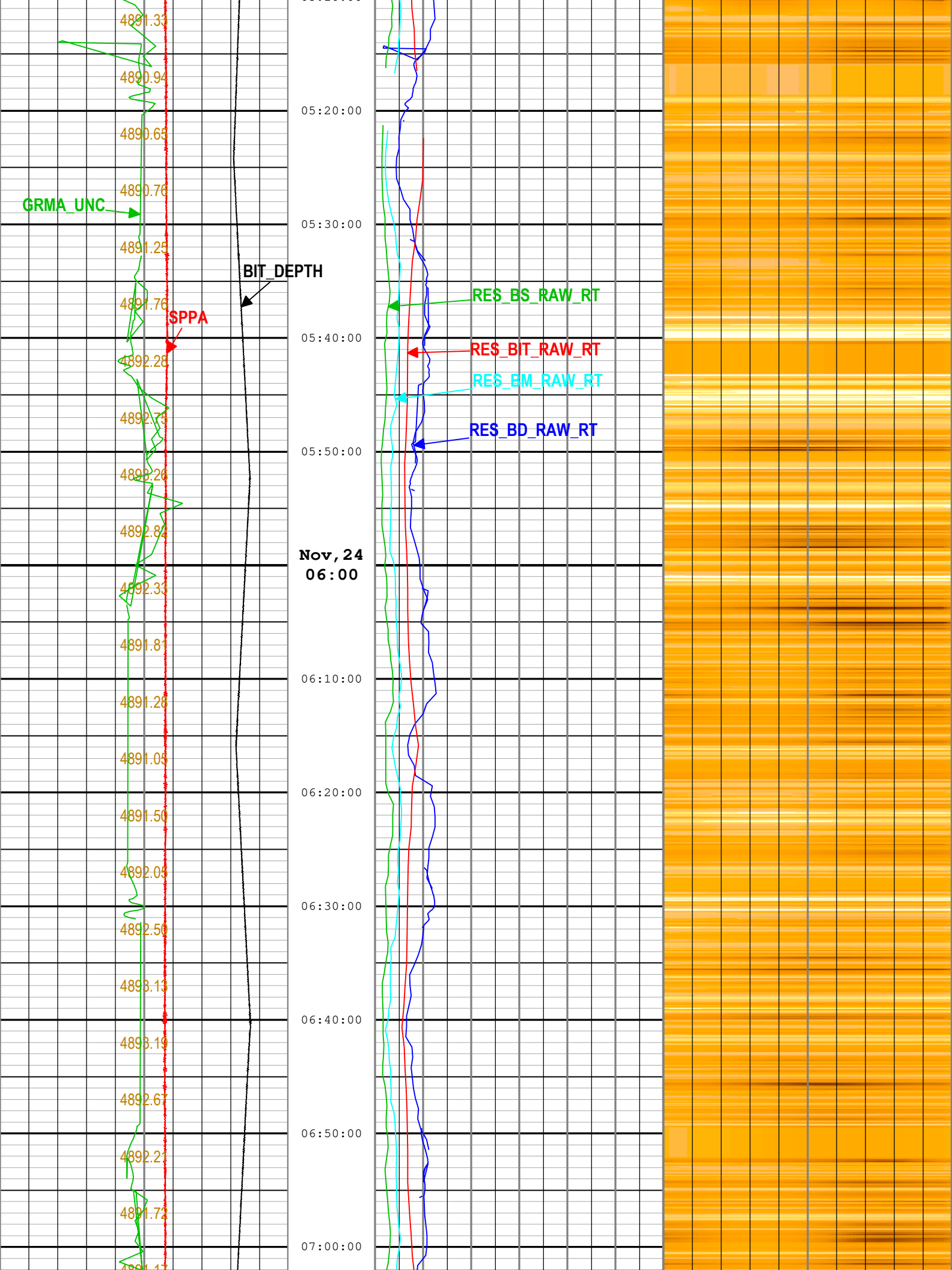


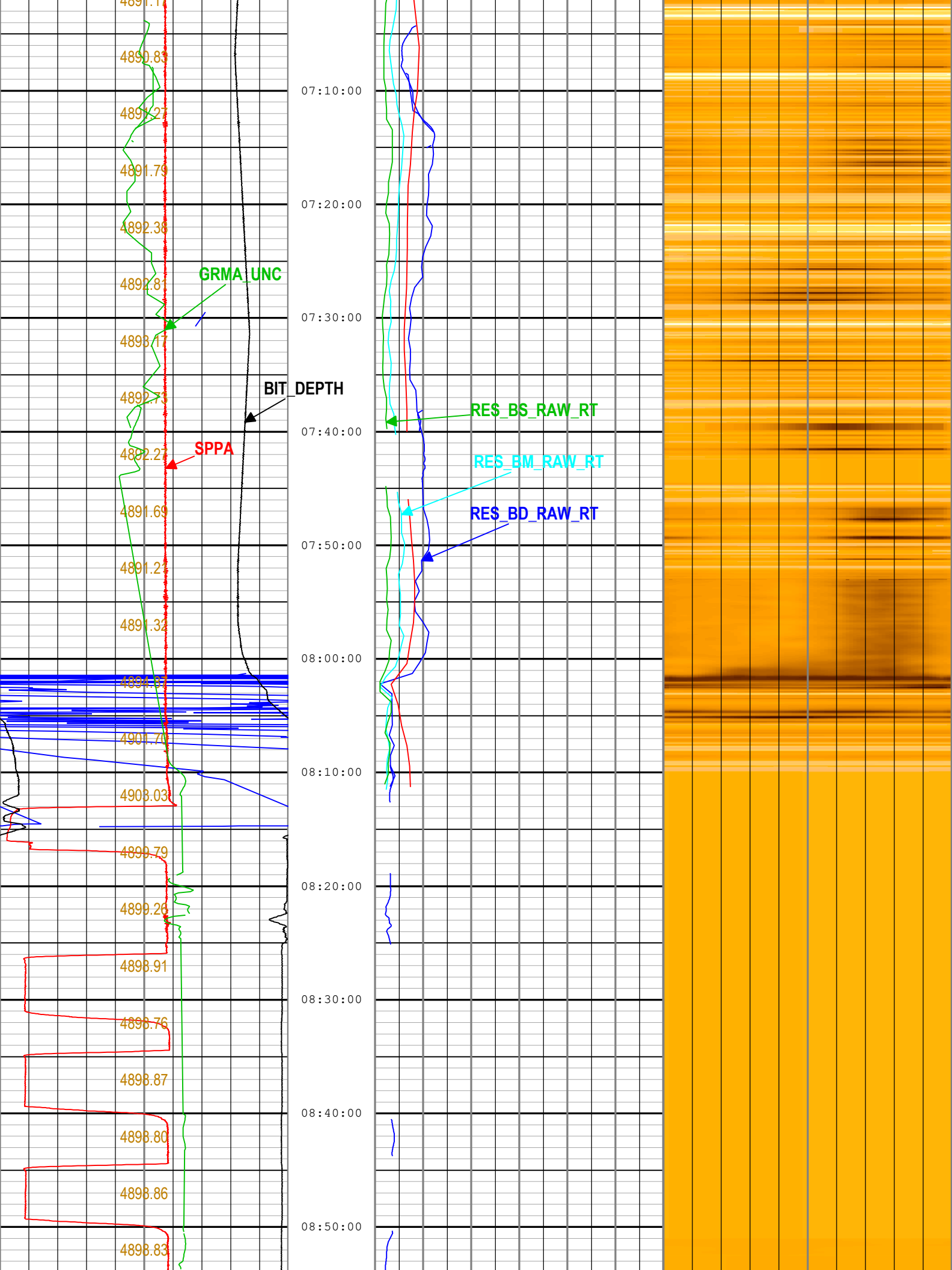


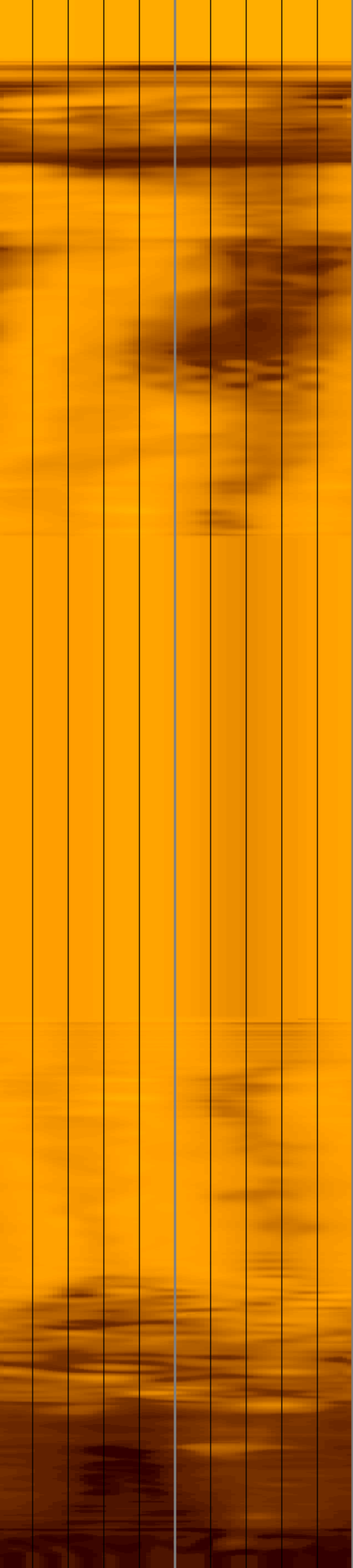
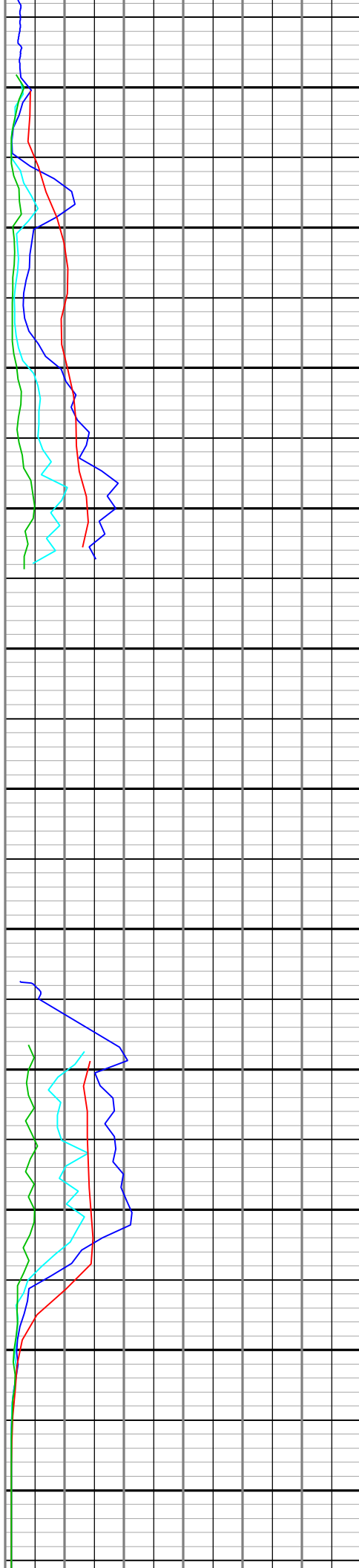
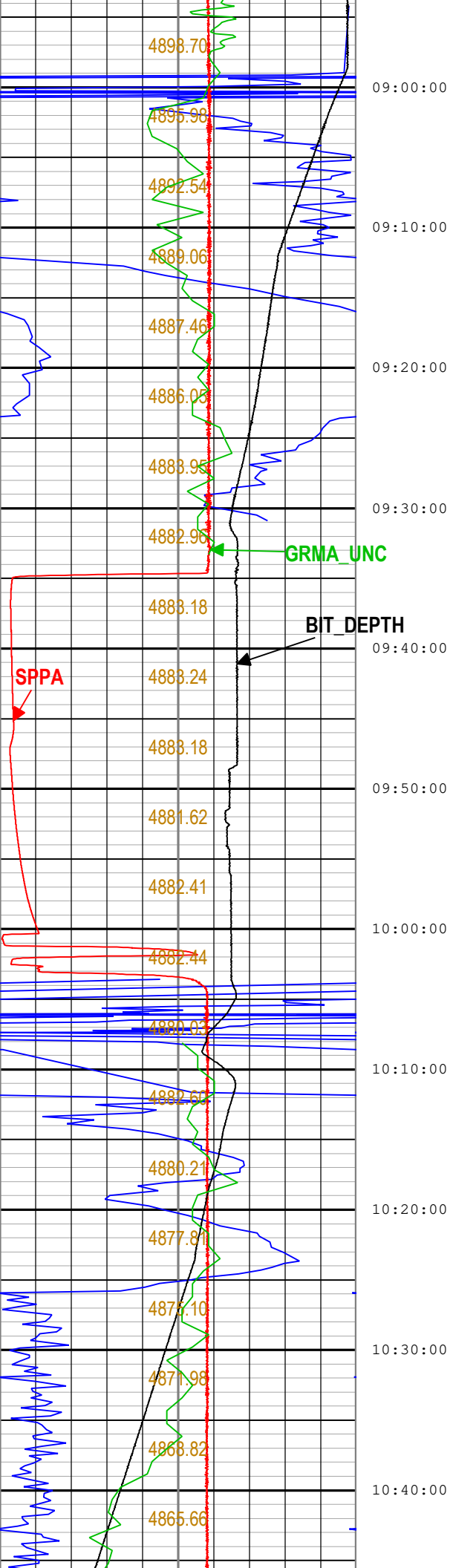


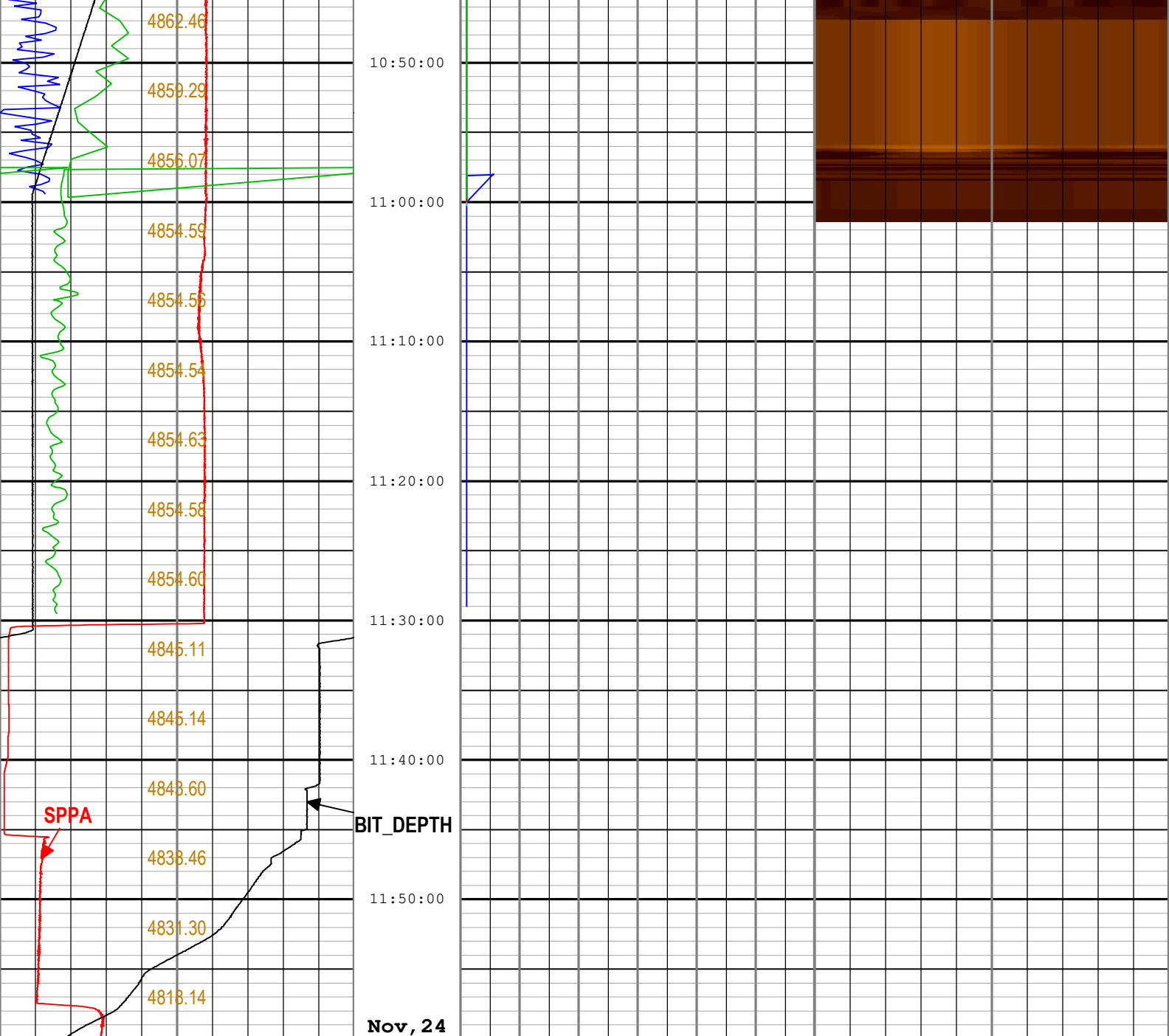








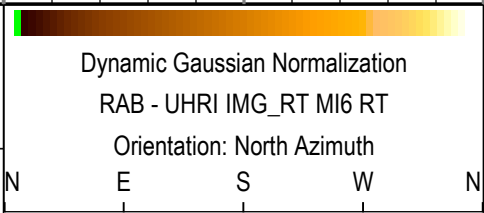




Nov, 24

Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		
20	m/h	0
Standpipe Pressure (SPPA) RT		
0	MPa	30
Bit Depth (BIT_DEPTH) RT		
0	m	50
Bit Depth (BIT_DEPTH) RT		
	m	
Uncorrected Gamma Ray, Average (GRMA UNC) MI6 RT		
0	gAPI	150

Raw Deep Button Resistivity (RES_BD_RAW_RT) MI6 RT		
0	ohm.m	6
Raw Medium Button Resistivity (RES_BM_RAW_RT) MI6 RT		
0	ohm.m	6
Raw Bit Resistivity (RES_BIT_RAW_RT) MI6 RT		
0	ohm.m	6
Raw Shallow Button Resistivity (RES_BS_RAW_RT) MI6 RT		
0	ohm.m	6



Description: Format: Log (UHRI Image Time) Index Scale: 15 cm per 3600 s Index Type: Time Creation Date: 06-Mar-2019 13:12:06

Channel Processing Parameters


Run 4: Parameters

Run 4: Parameters

Parameter	Description	Tool	Value	Unit
-----------	-------------	------	-------	------

Tool Control Parameters

Company:	JAMSTEC
Well:	C0002Q
Field:	C0002
Rig Name:	D/V Chikyu
Prefecture:	Wakayama
Country:	Japan



Schlumberger MicroScopeHD Resistivity Image
HD Resistivity Image
C0002Q Run2, Real-time Log, Time Index