

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
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Software Version

Acquisition System	Version
MaxWell	2.0.6803.0

Computation	Description	Version
ARC8GammaRayComput ation	ARC8 Gamma Ray Computation Package for both Real-time and Recorded Mode	2.0.6803.0
ARC8PressureComputatio	ARC8 Pressure Computation Package for both Real-time and Recorded Mode	2.0.6803.0

Tool Elements	Description	Software Version	Firmware Version
ARDC	ARC 8.25 Inch Tool Drilling Collar	2.0.6803.0	
DRILLING_SURFACE	DRILLING_SURFACE	2.0.6803.0	

Pass Summary

Run Name	Pass Objective	Direction	Start	Stop	Acquisition Start Date	Acquisition Start Time
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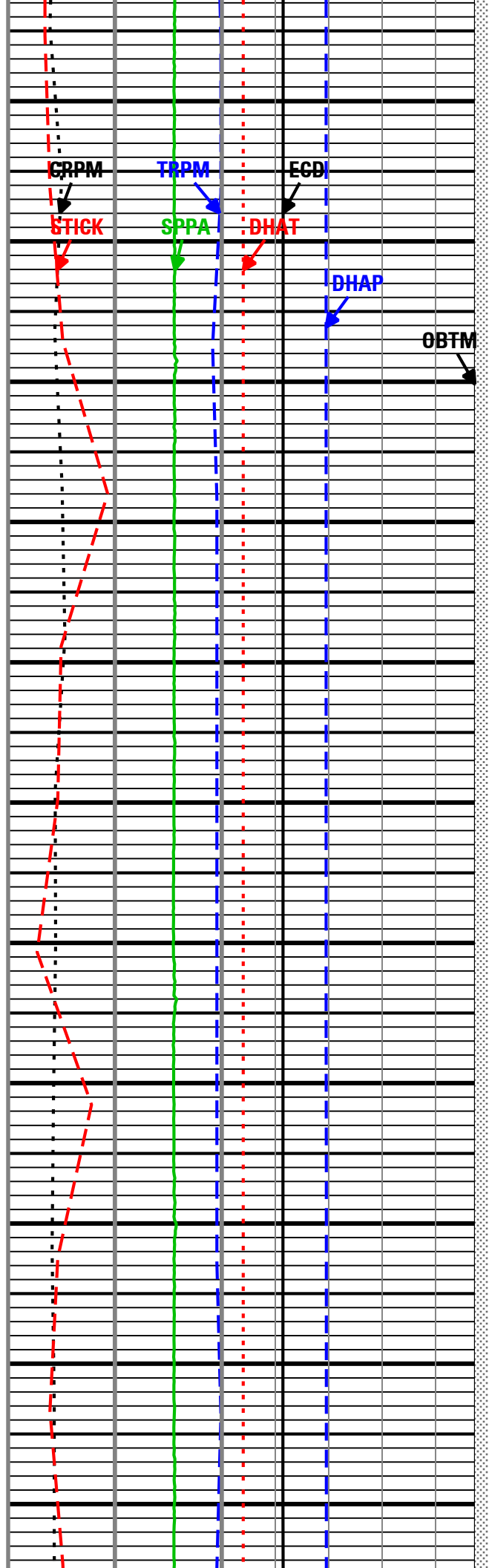
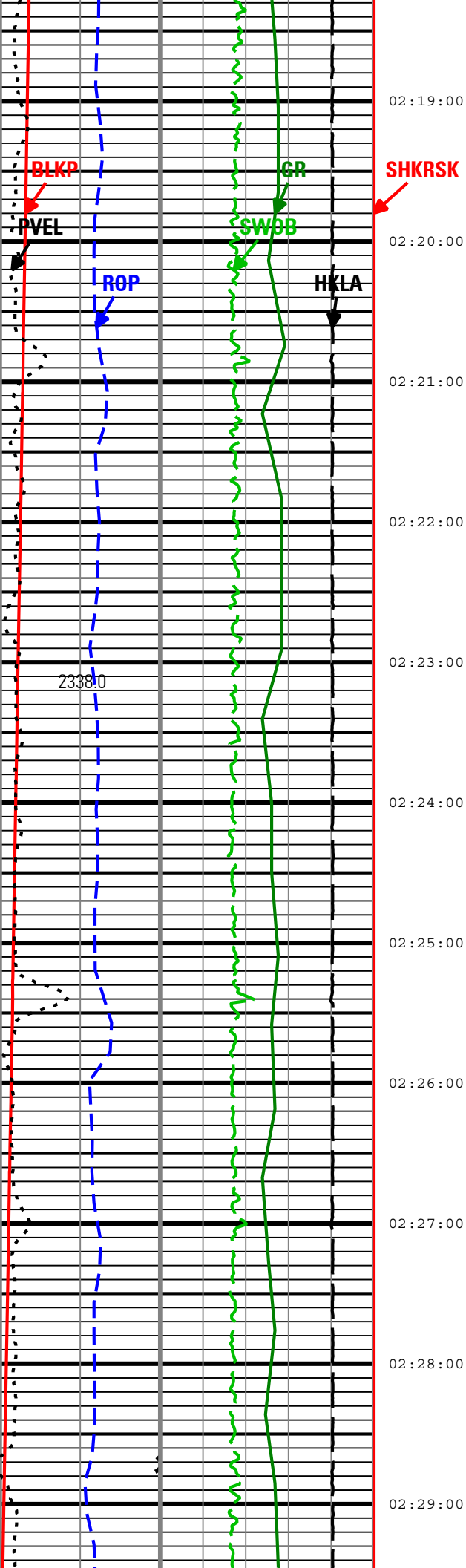
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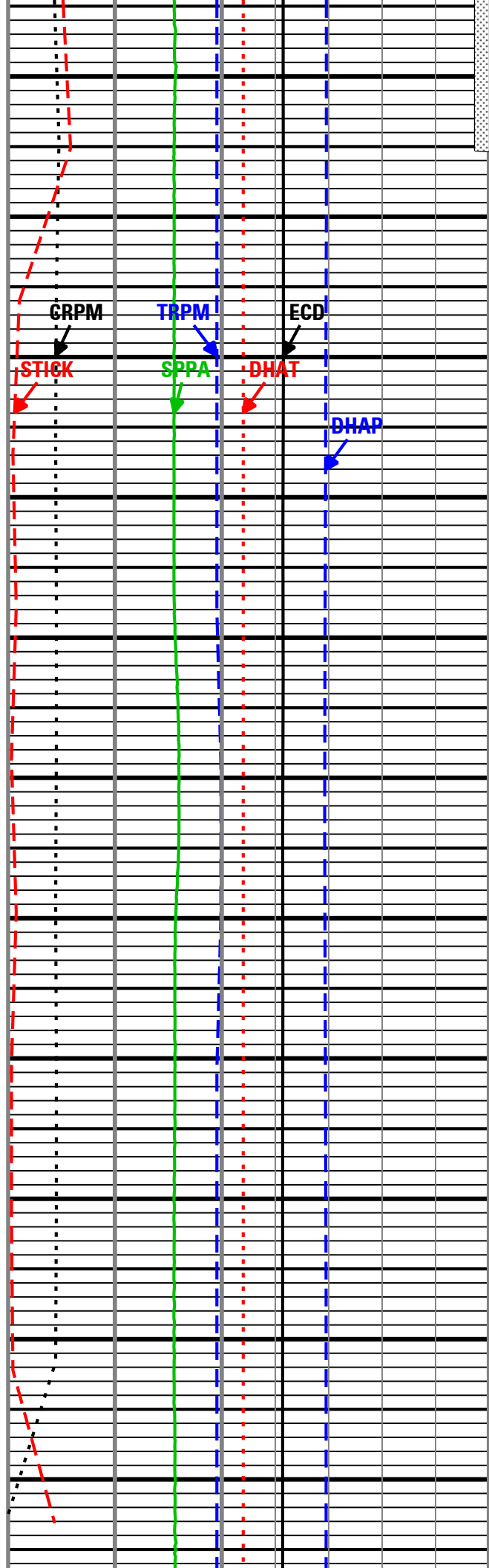
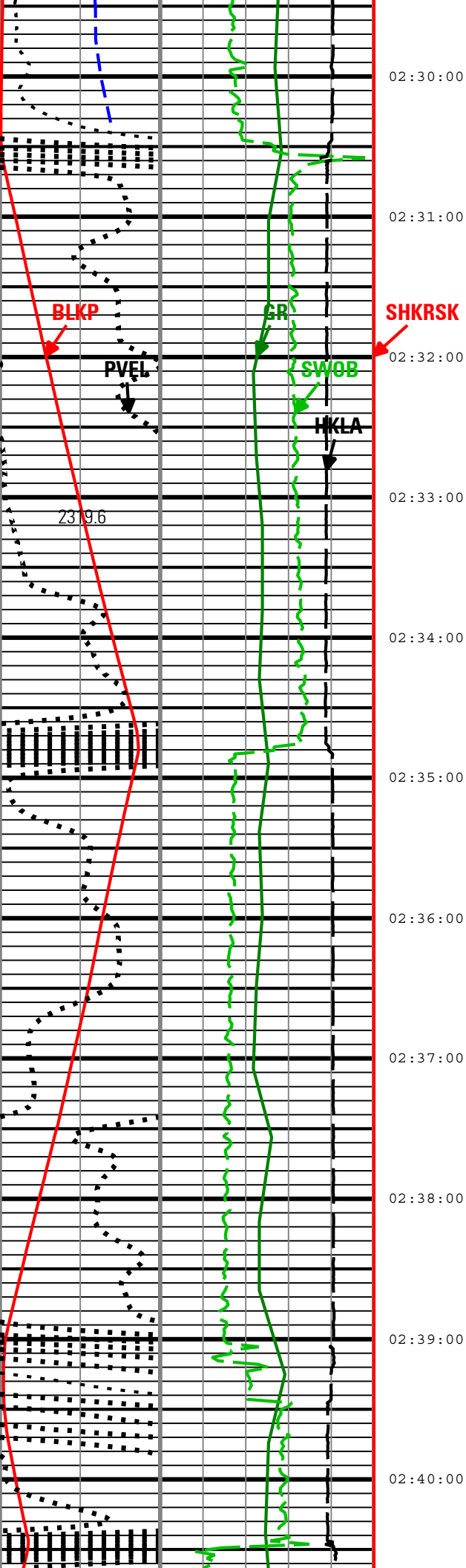
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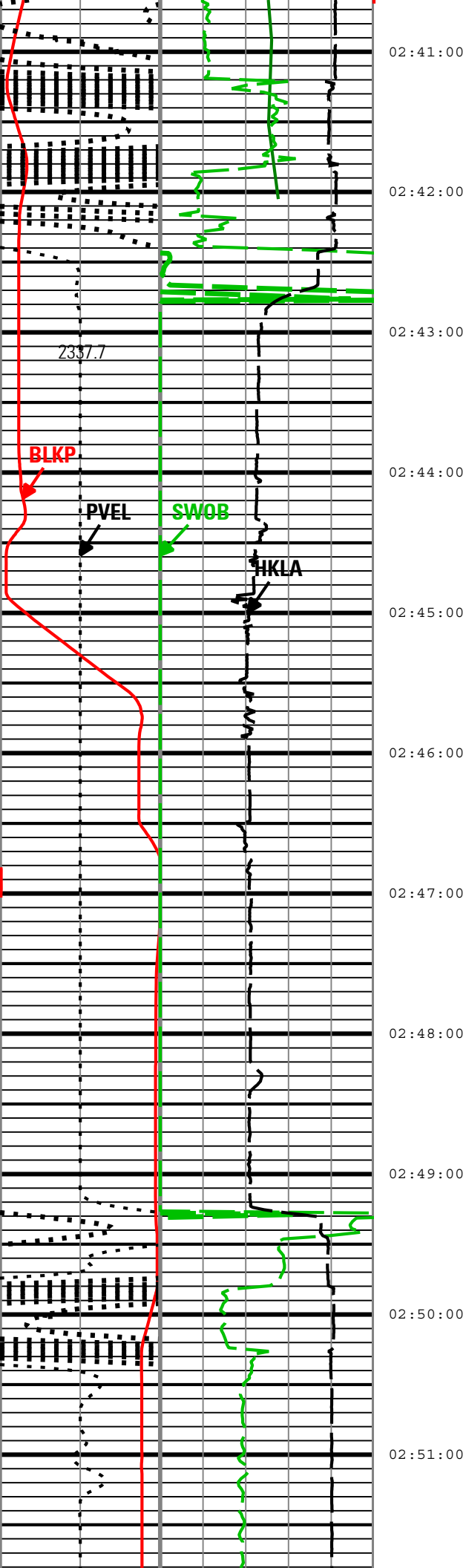
Description: TeleScope + ARC Drilling Mechanics Time RT Format: Log (TeleScope + ARC Drilling Mechanics Time RT_1) Index Scale: 150 cm per 3600 s Index Creation Date: 19-Nov-2010 01:30:02

BLKP	DRILLING_SURFACE	ACQ - RT
CRPM	TELE825:TELE825	ACQ - RT
DEPTH	DnMWorkflow	ACQ - RT
DHAP	ARC8:ARC8	ACQ - RT
DHAT	ARC8:ARC8	ACQ - RT
ECD	ARC8:ARC8:ARDC	ACQ - RT
GR	ARC8:ARC8:ARDC	ACQ - RT
HKLA	DRILLING_SURFACE	ACQ - RT
OBTM	DnMWorkflow	ACQ
PVEL	DRILLING_SURFACE	ACQ - RT
ROP	DRILLING_SURFACE	ACQ - RT
SHKRSK	TELE825:TELE825	ACQ - RT
SPPA	DRILLING_SURFACE	ACQ - RT
STICK	TELE825:TELE825	ACQ - RT
SWOB	DRILLING_SURFACE	ACQ - RT
TRPM	TELE825:TELE825	ACQ - RT

<p style="color: red; font-weight: bold;">Height of block above rig floor (BLKP) RT</p> <hr style="border: 1px solid red;"/> <p style="font-size: 1.2em;">0 m 45</p>	<p style="color: green; font-weight: bold;">Pipe Velocity (PVEL) RT</p> <hr style="border-top: 1px dashed black;"/> <p style="font-size: 1.2em;">50 m/h -50</p>	<p style="color: green; font-weight: bold;">Gamma Ray (GR) ARC8 RT</p> <hr style="border: 1px solid green;"/> <p style="font-size: 1.2em;">0 gAPI 150</p>	<p style="color: green; font-weight: bold;">Surface Weight On Bit (SWOB) RT</p> <hr style="border: 1px solid green;"/> <p style="font-size: 1.2em;">0 1000 kgf 22.6796</p>	<p style="color: red; font-weight: bold;">Shock Risk (SHKRSK) TELE825 RT</p> <hr style="border: 1px solid red;"/> <p style="font-size: 1.2em;">0 5</p>	<p style="color: blue; font-weight: bold;">Collar Rotational Speed (CRPM) TELE825 RT</p> <hr style="border-top: 1px dashed black;"/> <p style="font-size: 1.2em;">0 c/min 200</p>	<p style="color: blue; font-weight: bold;">MWD Turbine Rotation Speed (TRPM) TELE825 RT</p> <hr style="border: 1px solid blue;"/> <p style="font-size: 1.2em;">1000 2000 c/min</p>	<p style="color: blue; font-weight: bold;">Standpipe Pressure (SPPA) RT</p> <hr style="border: 1px solid blue;"/> <p style="font-size: 1.2em;">0 24000 kPa</p>	<p style="color: blue; font-weight: bold;">Equivalent Circulating Density (ECD) ARC8 RT</p> <hr style="border: 1px solid blue;"/> <p style="font-size: 1.2em;">0.8 g/cm3 1.8</p>	<p style="color: red; font-weight: bold;">Downhole Annulus Temperature (DHAT) ARC8 RT</p> <hr style="border-top: 1px dashed red;"/> <p style="font-size: 1.2em;">0 degC 100</p>	<p style="color: blue; font-weight: bold;">Downhole Annulus Pressure (DHAP) ARC8 RT</p> <hr style="border: 1px dashed blue;"/> <p style="font-size: 1.2em;">0 kPa 60000</p>	
<p style="font-weight: bold;">Bit on Bottom Flag</p>											







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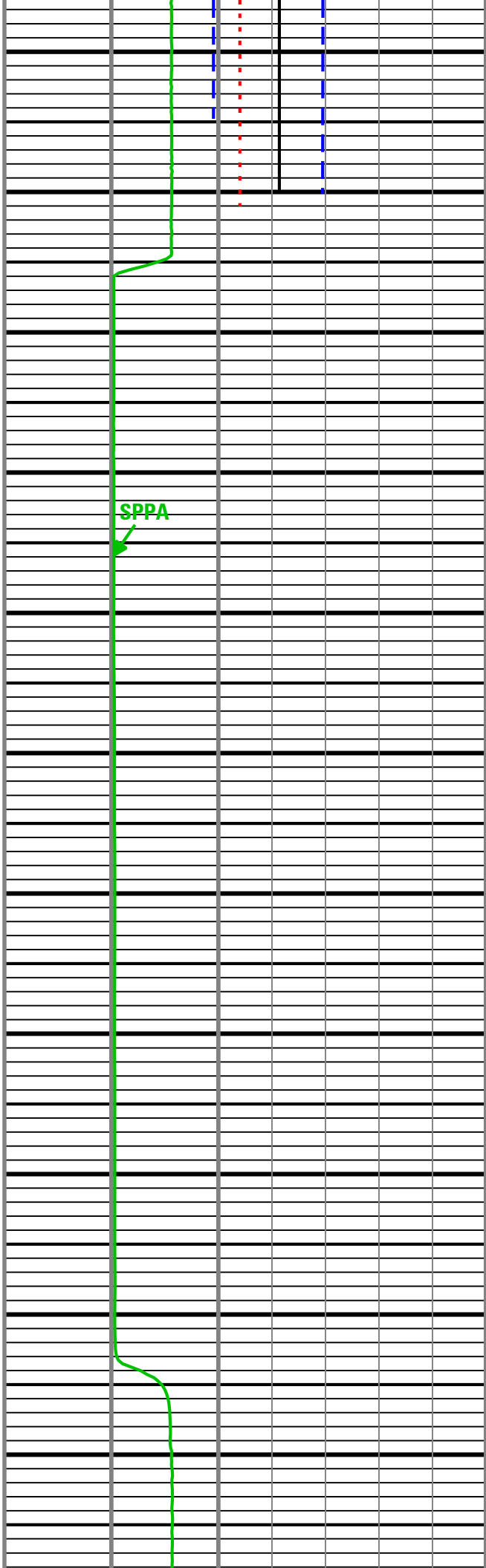
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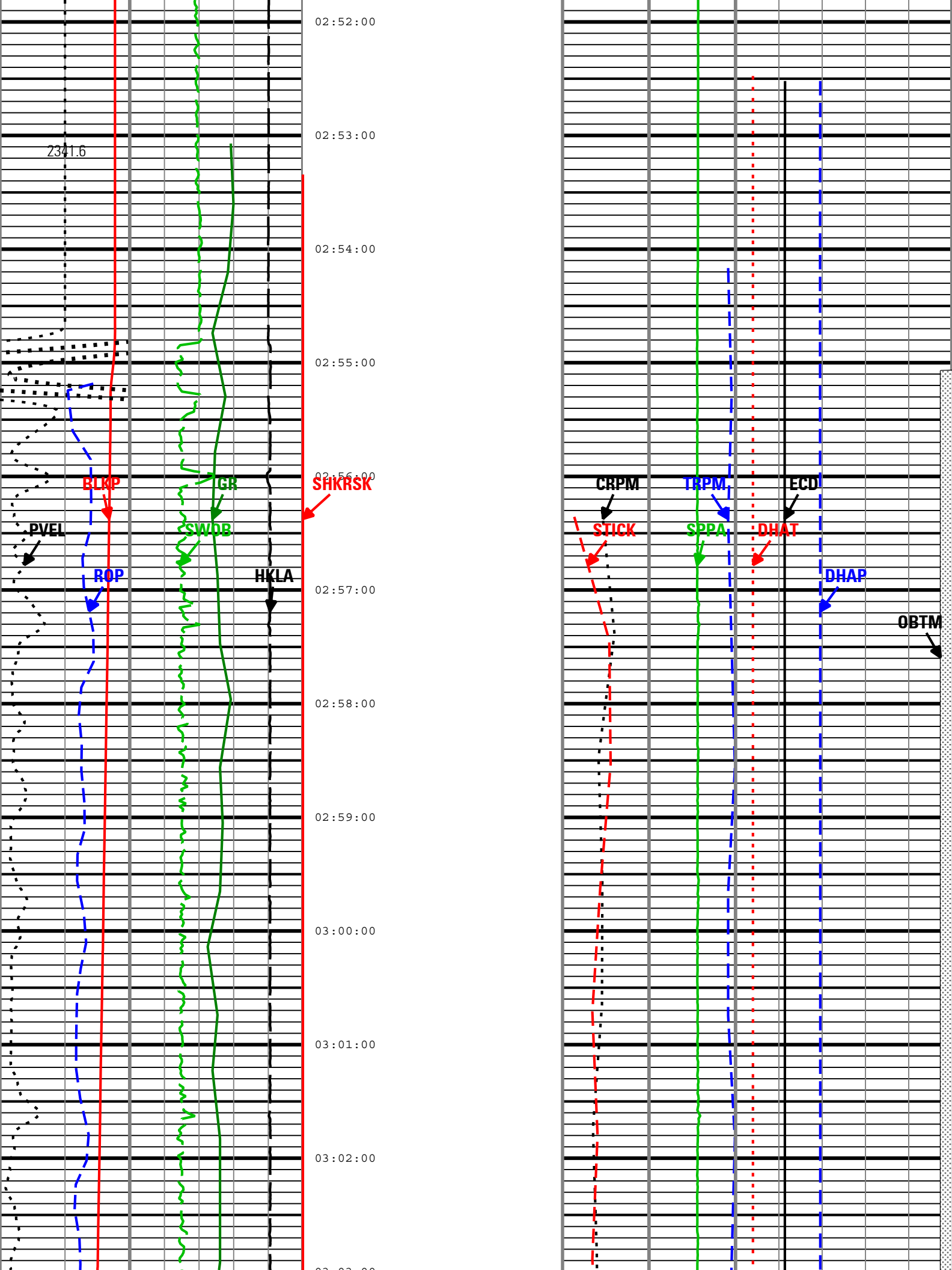
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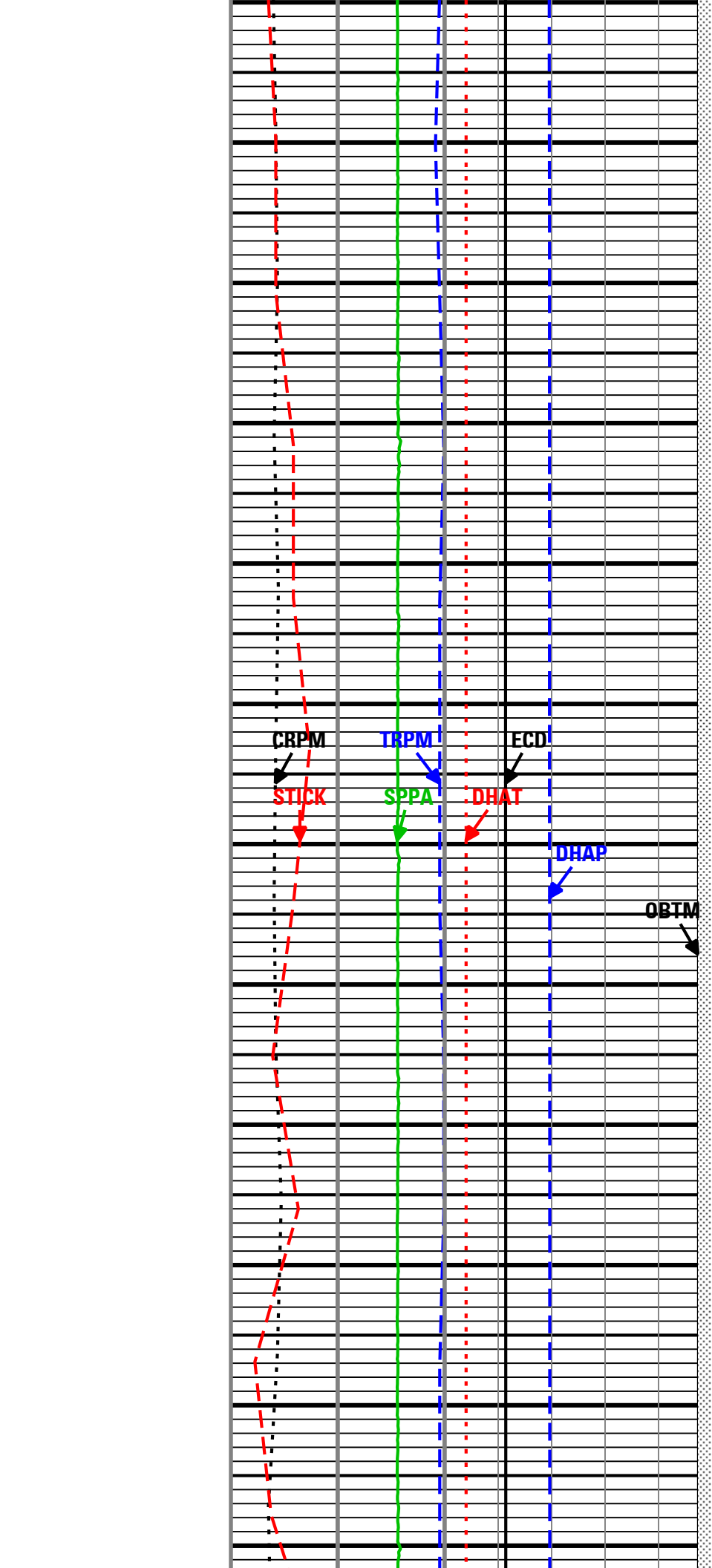
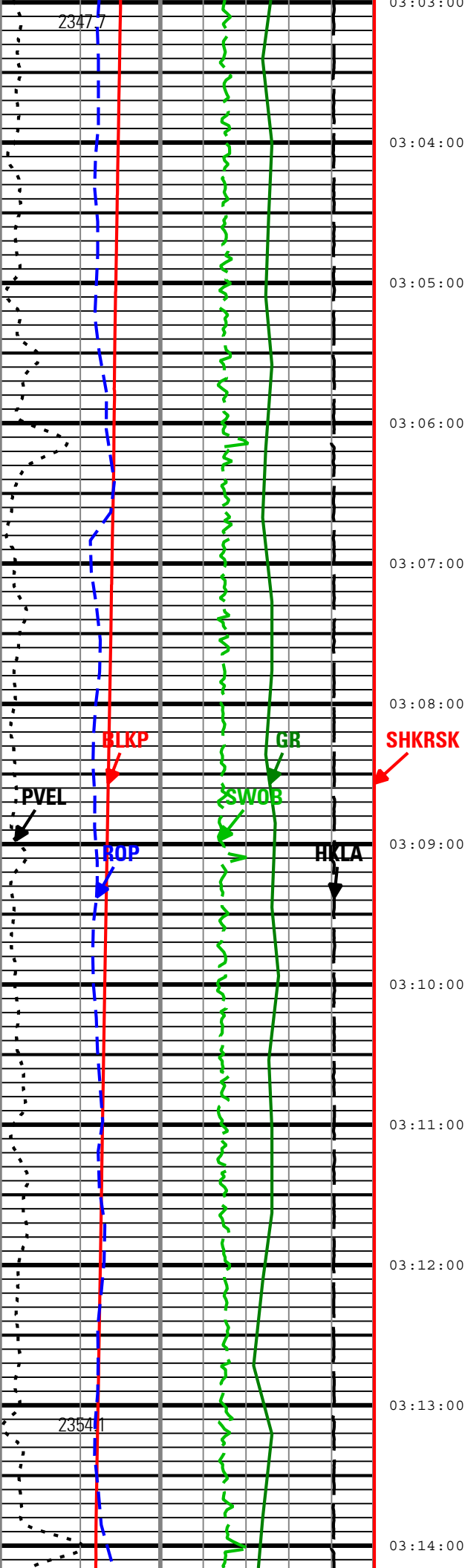
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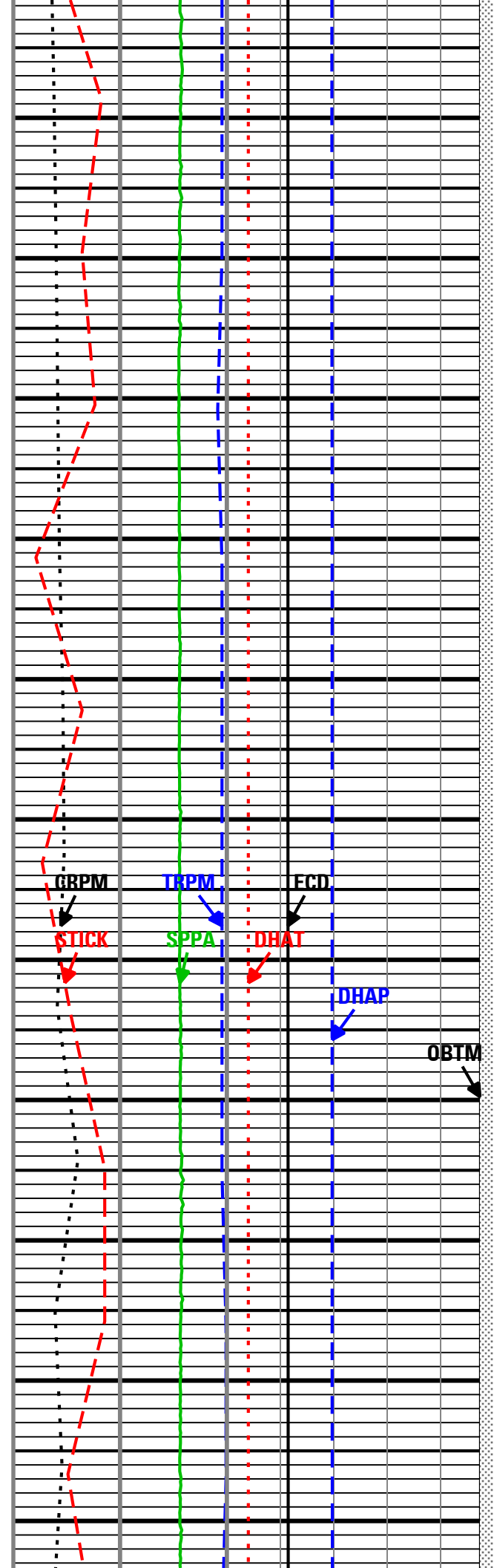
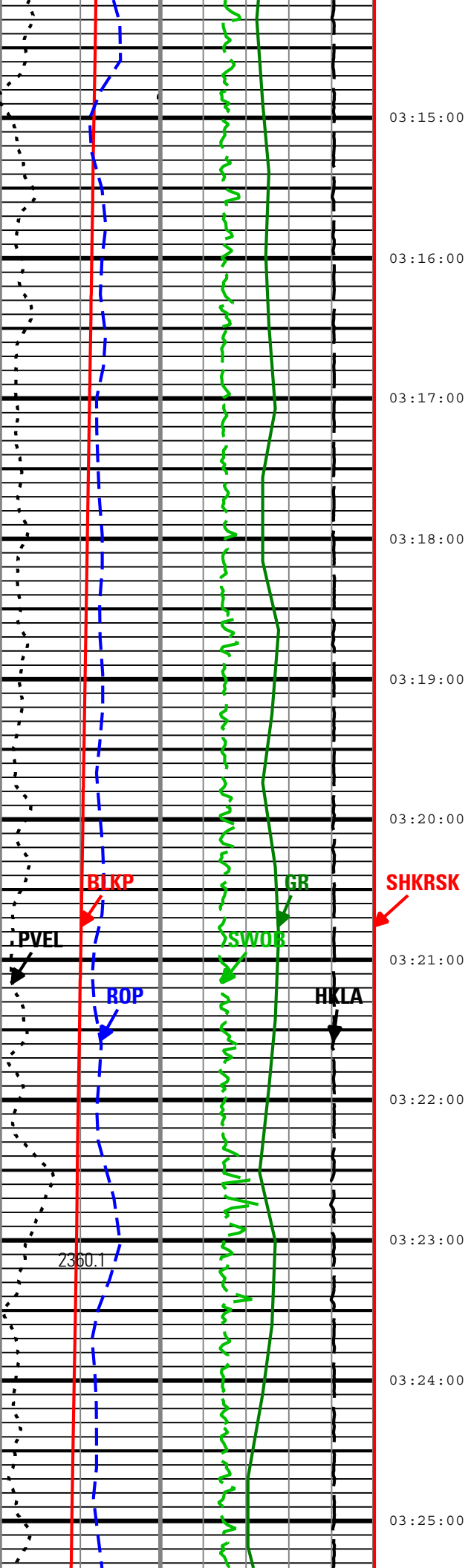
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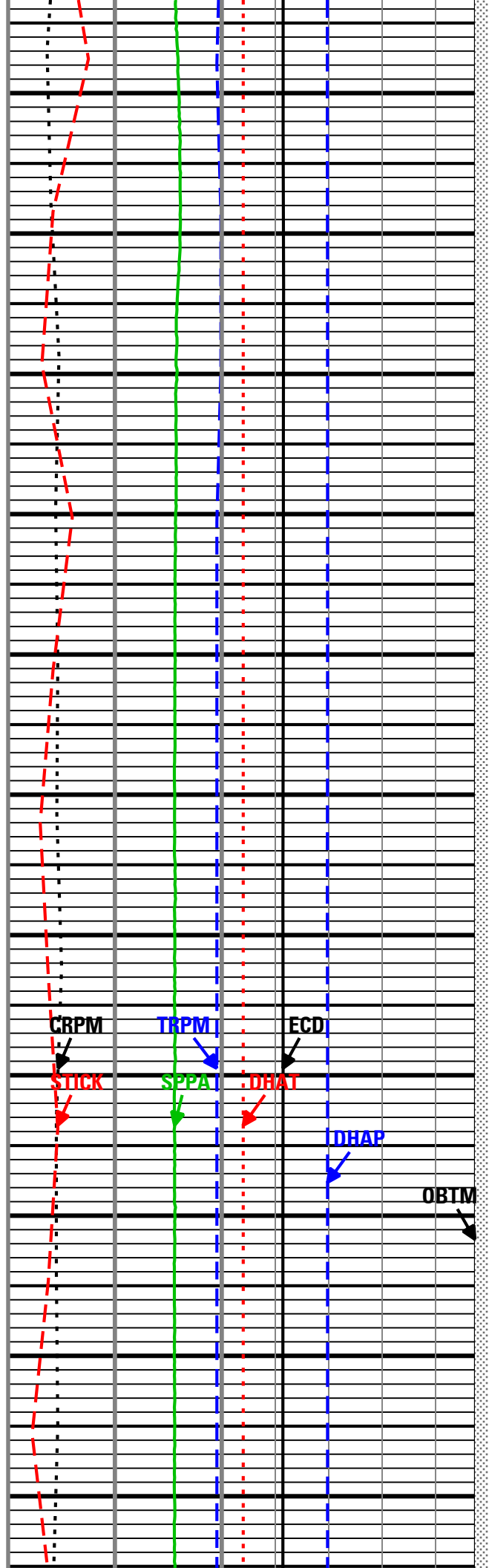
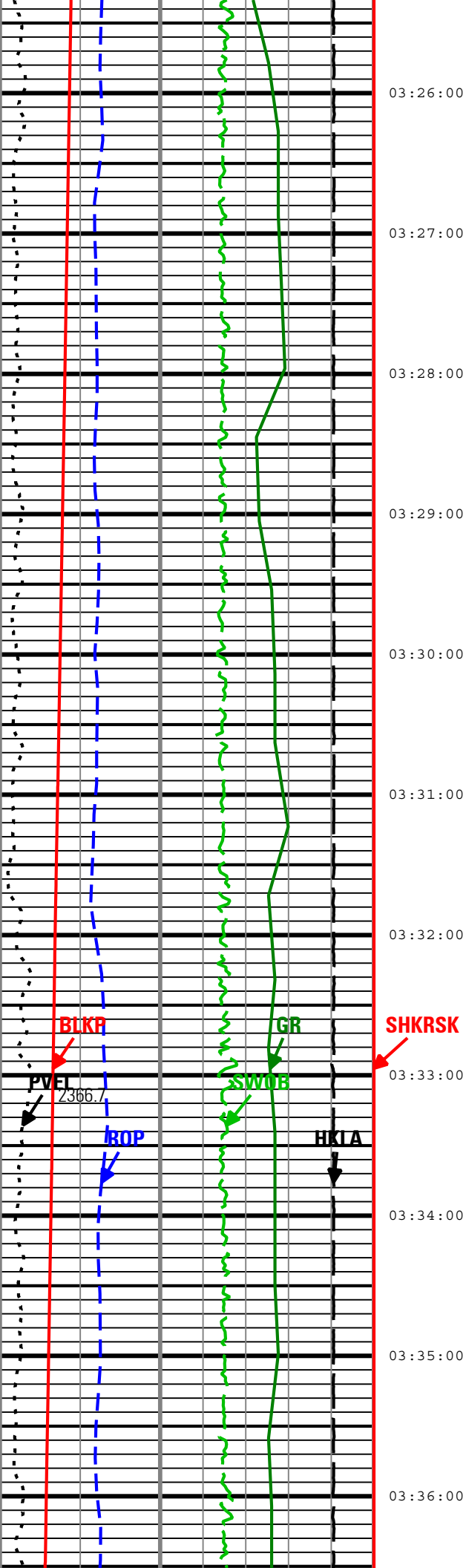


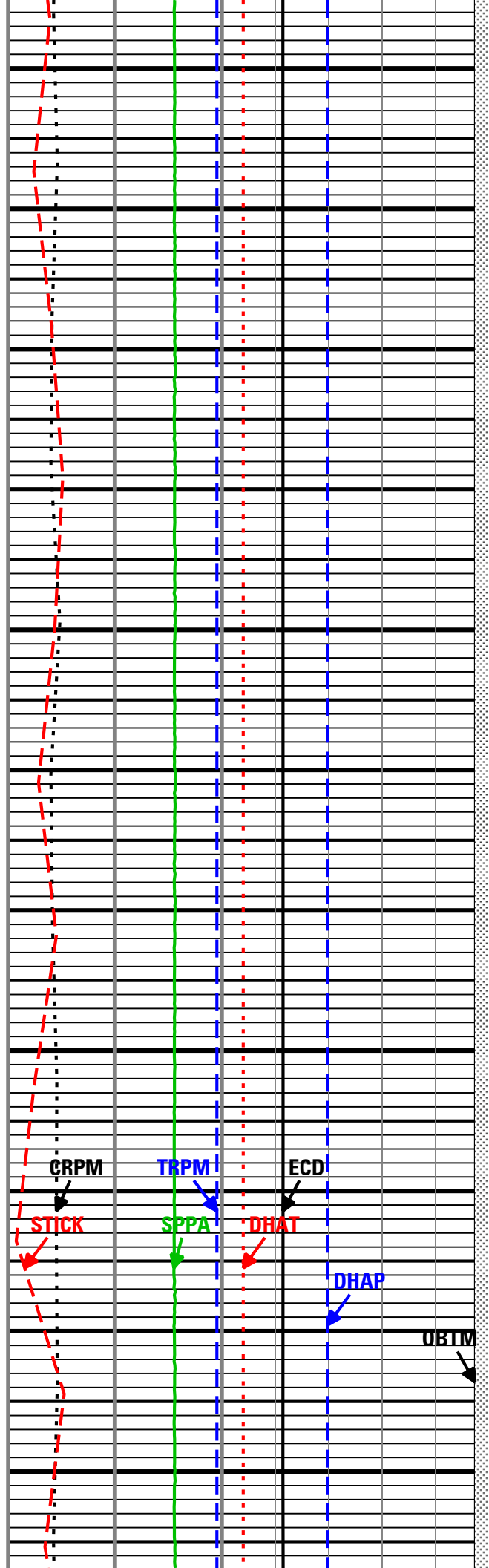
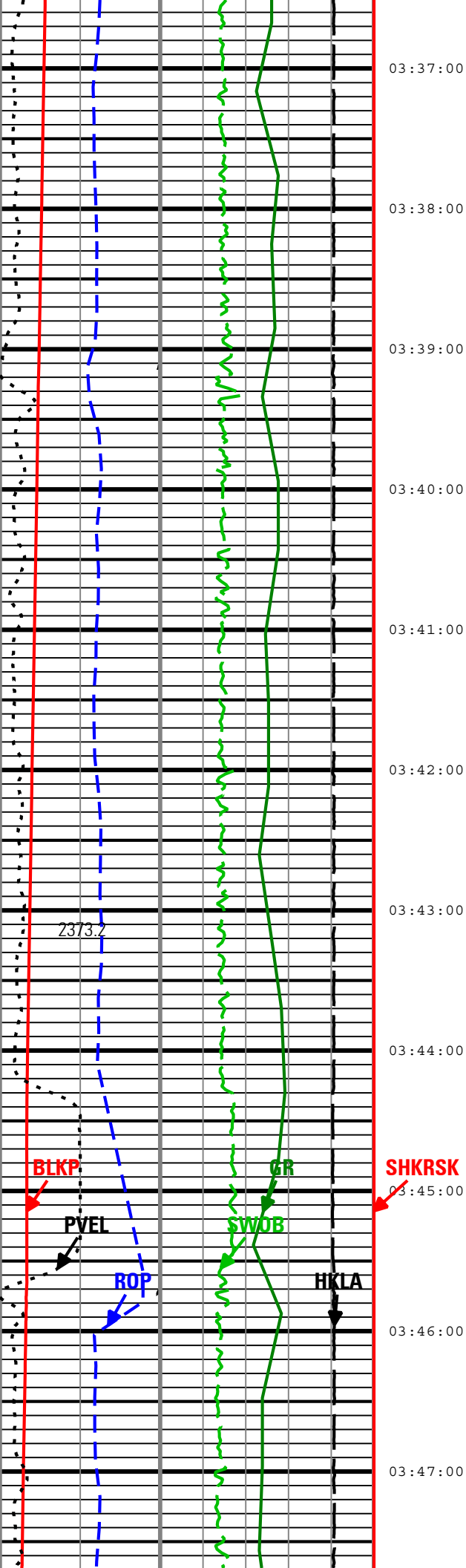
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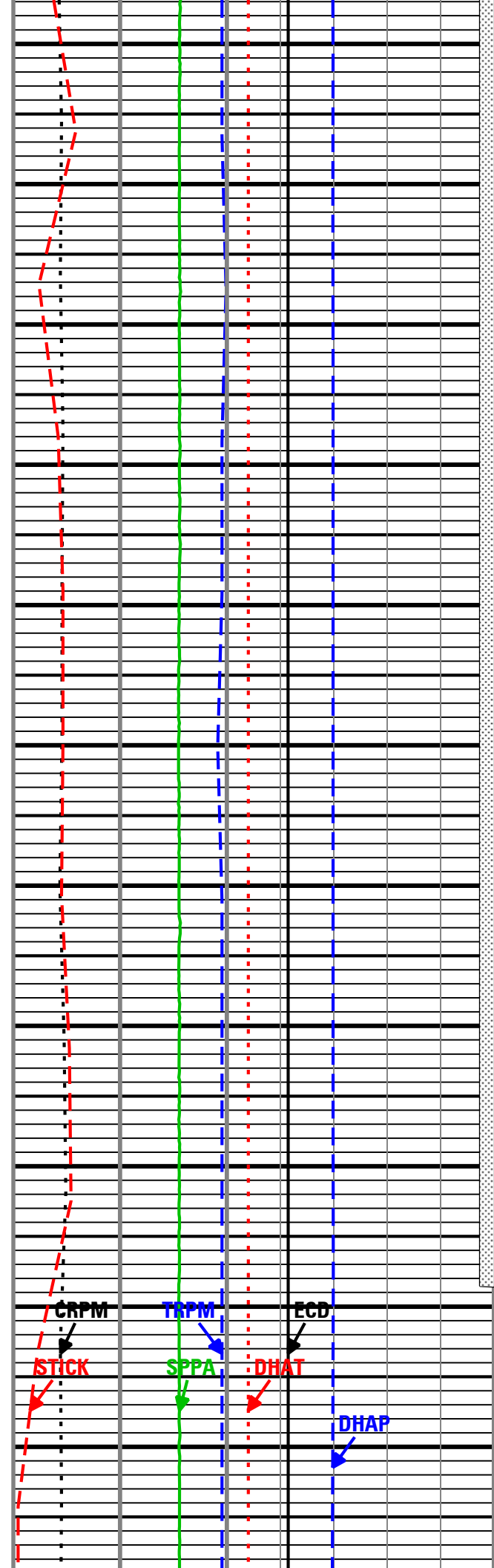
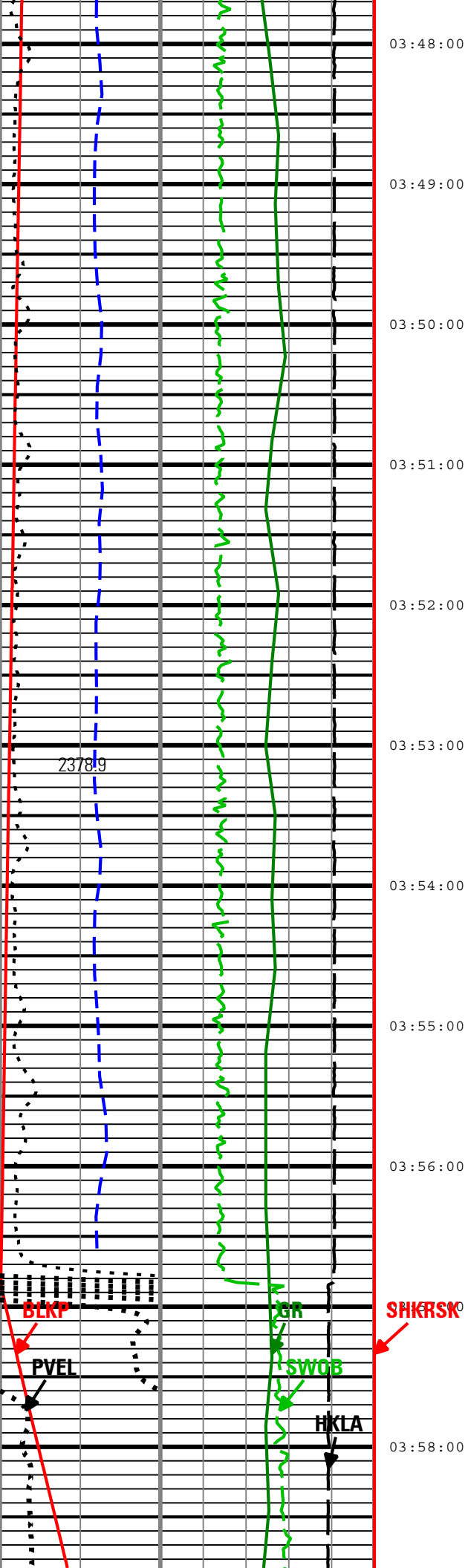


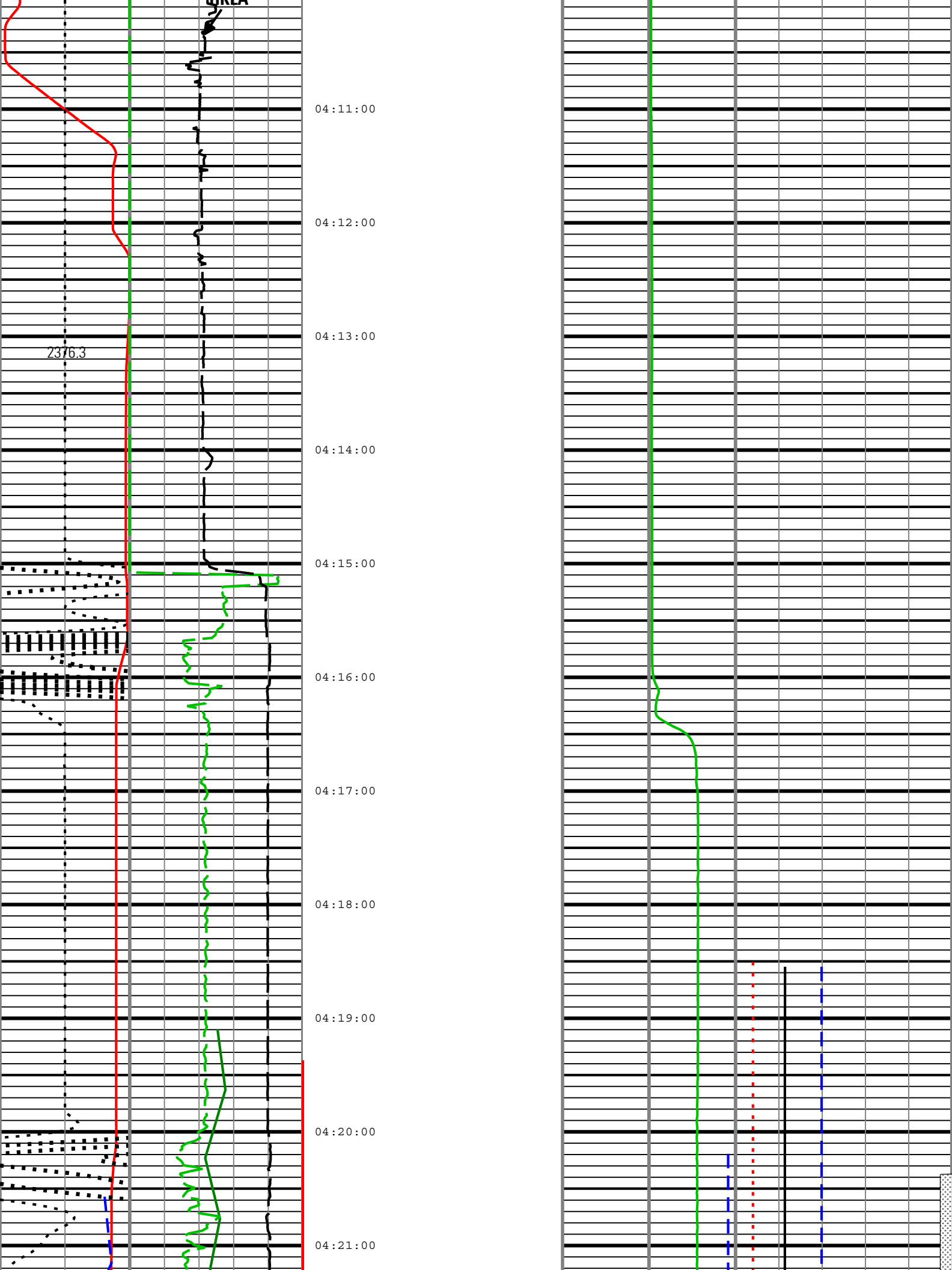


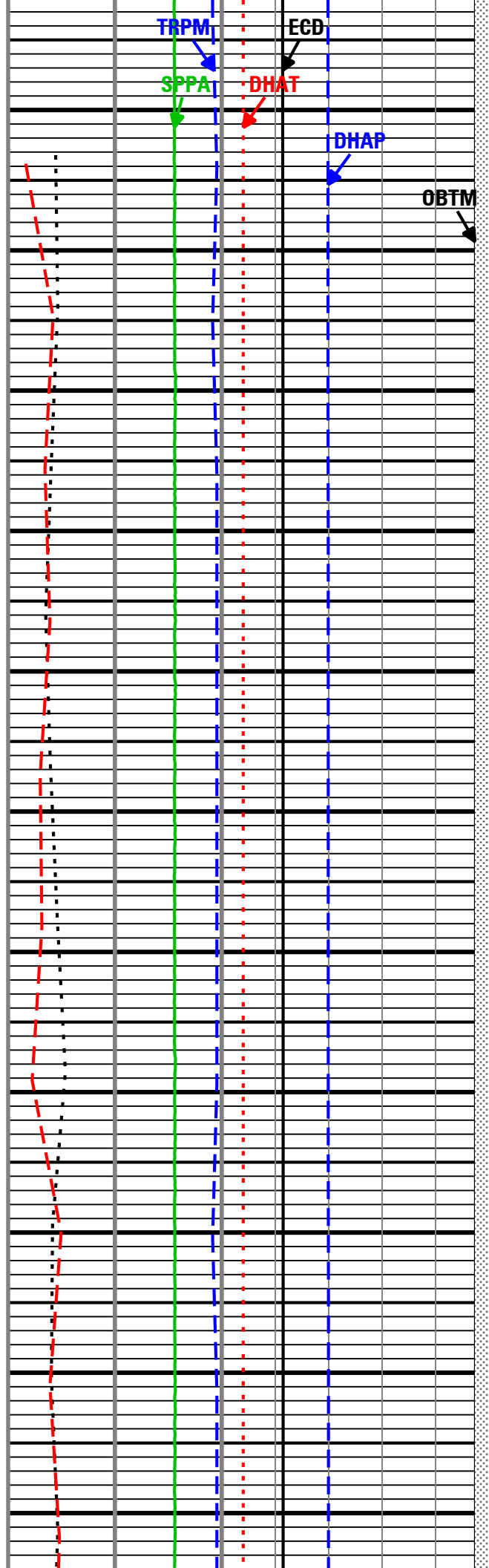
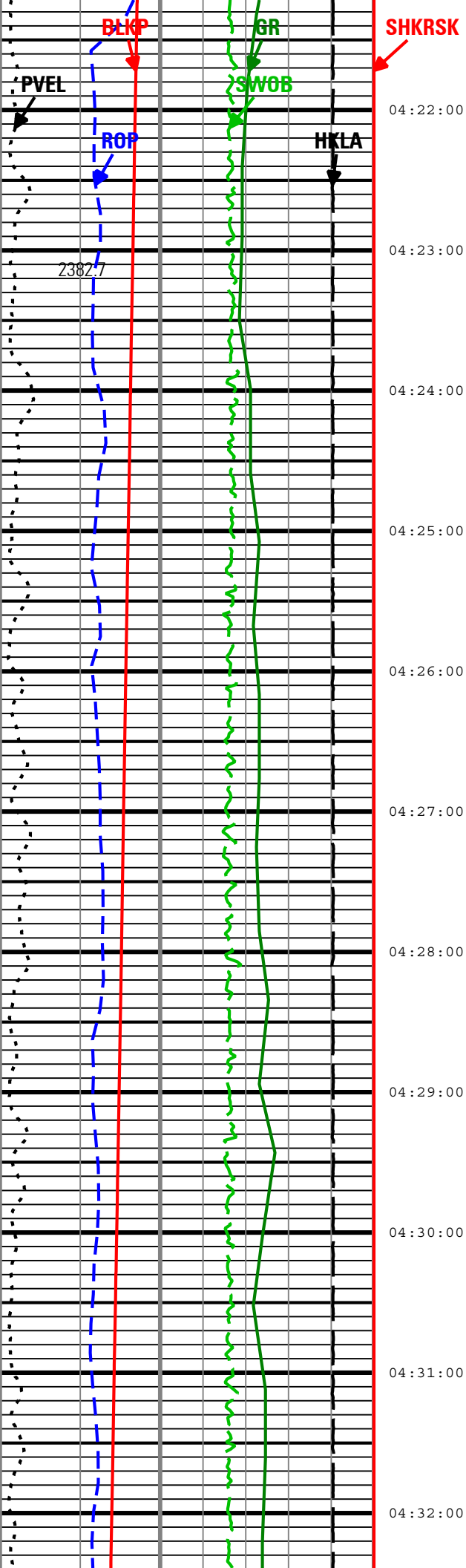


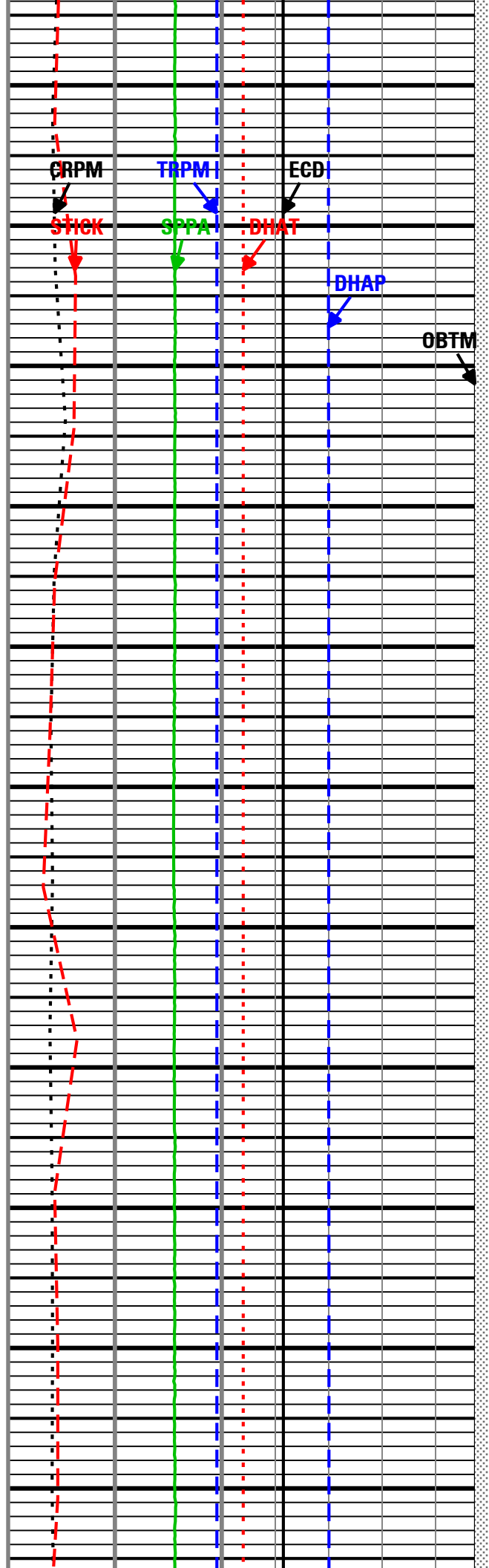
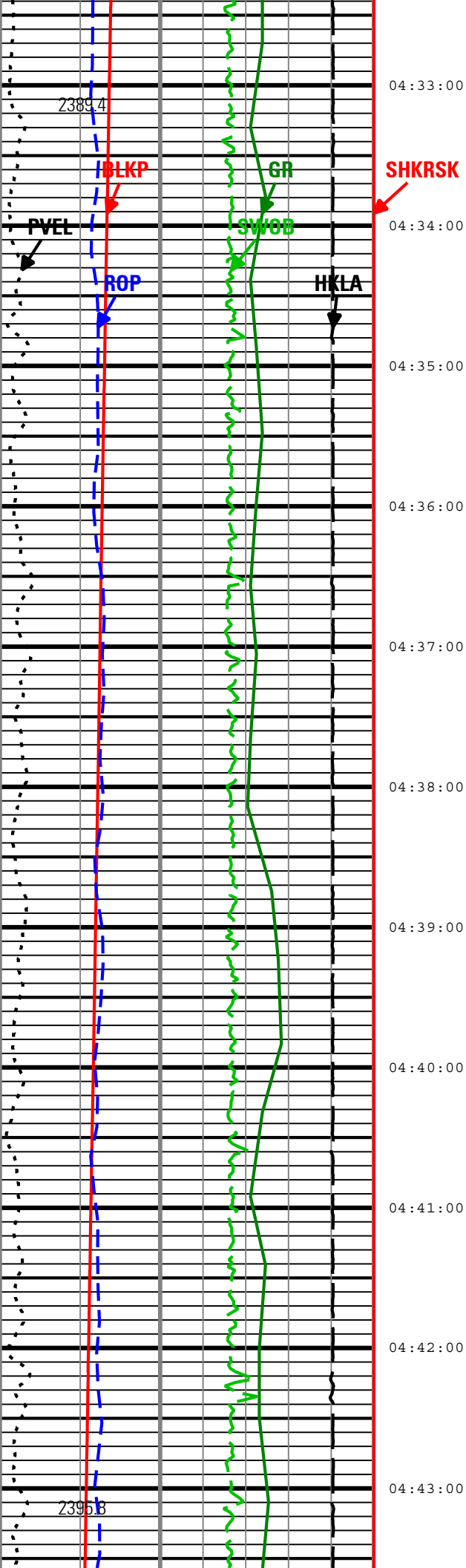


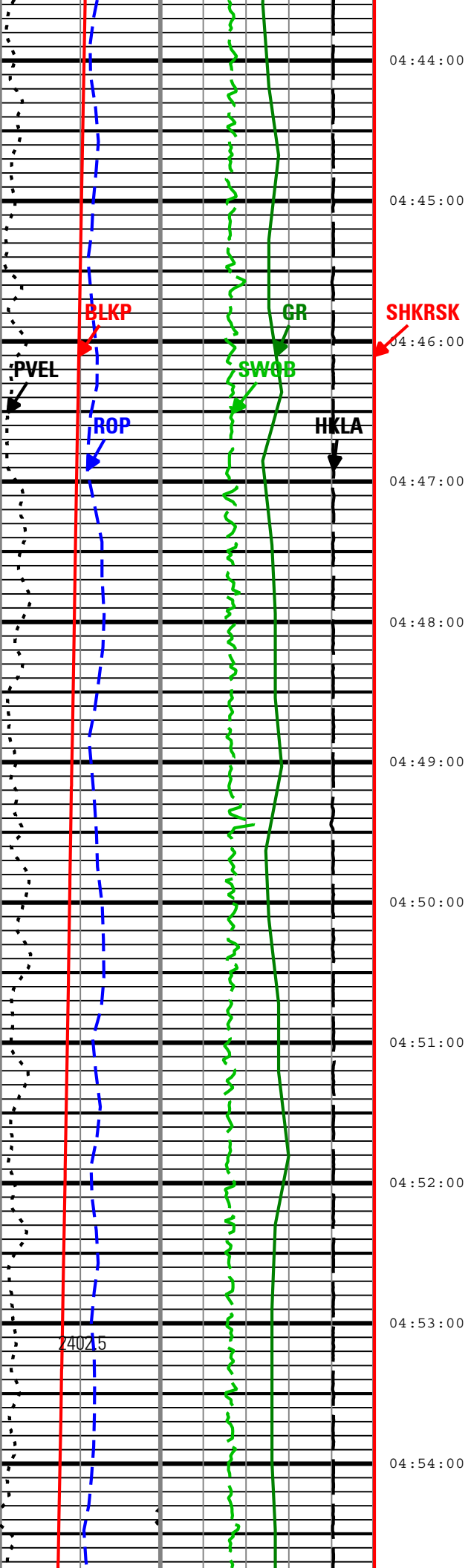




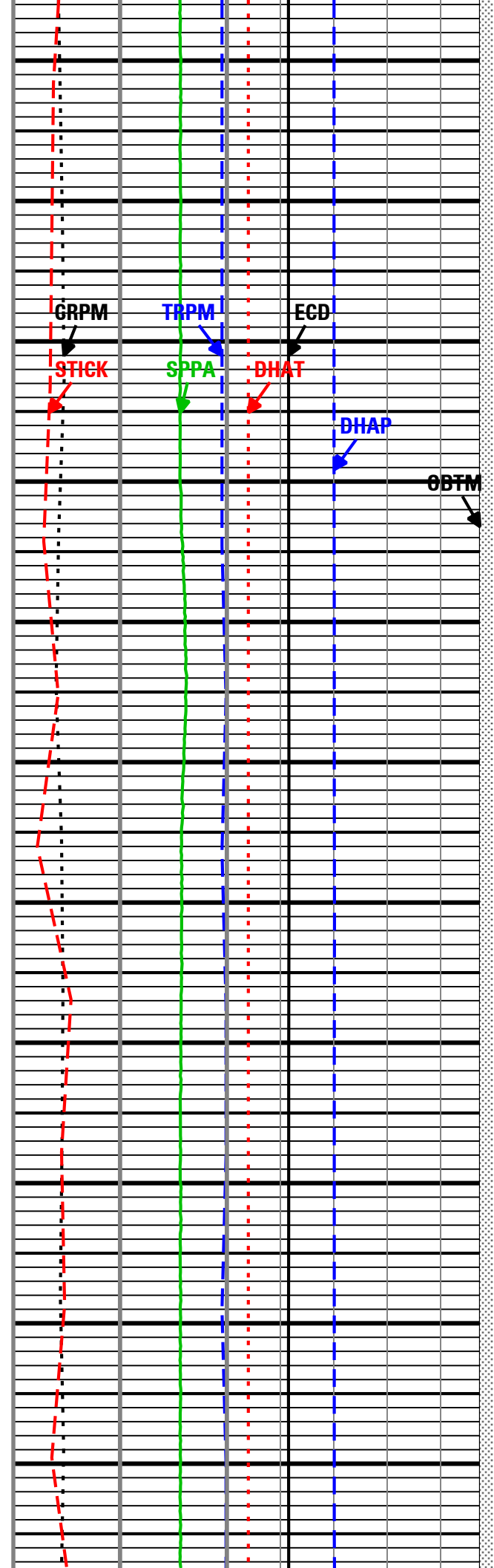




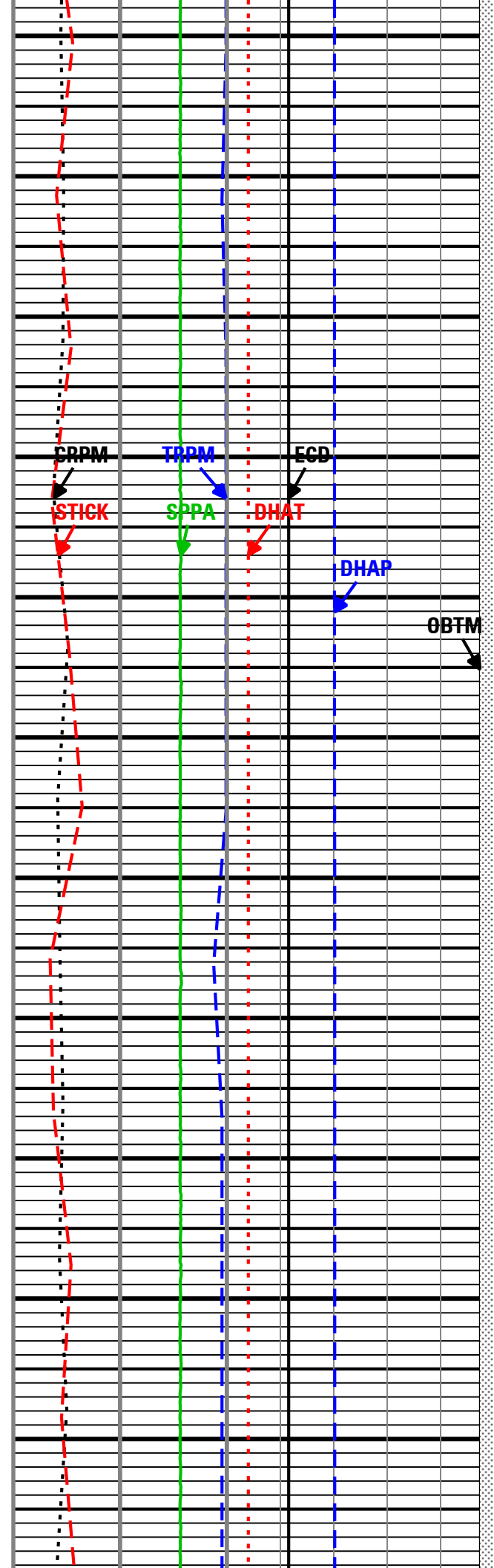
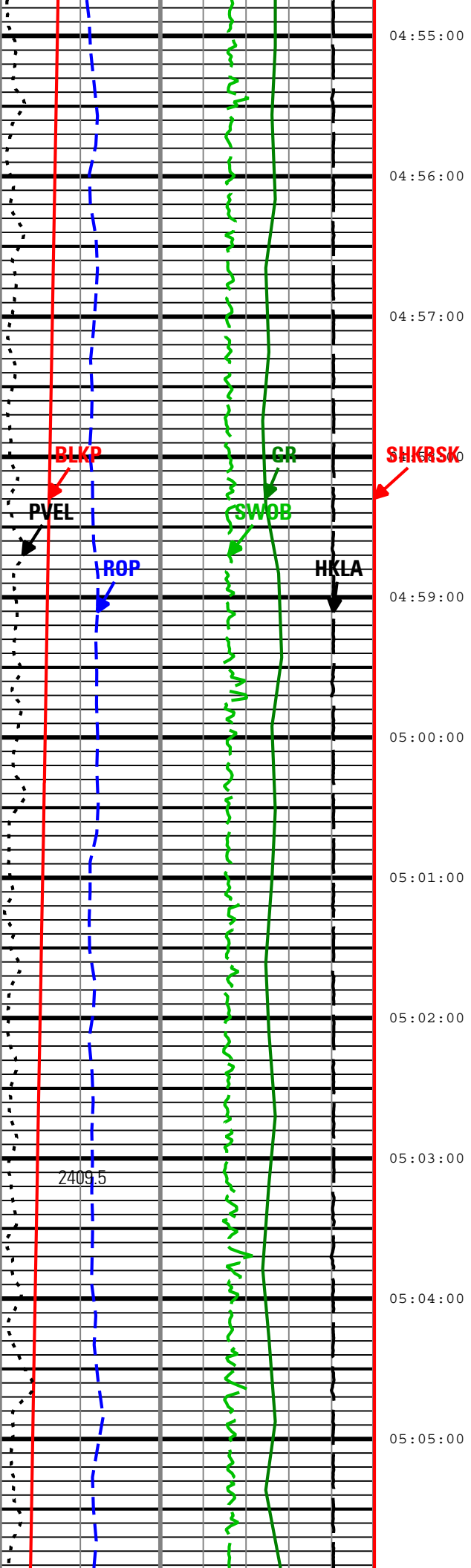


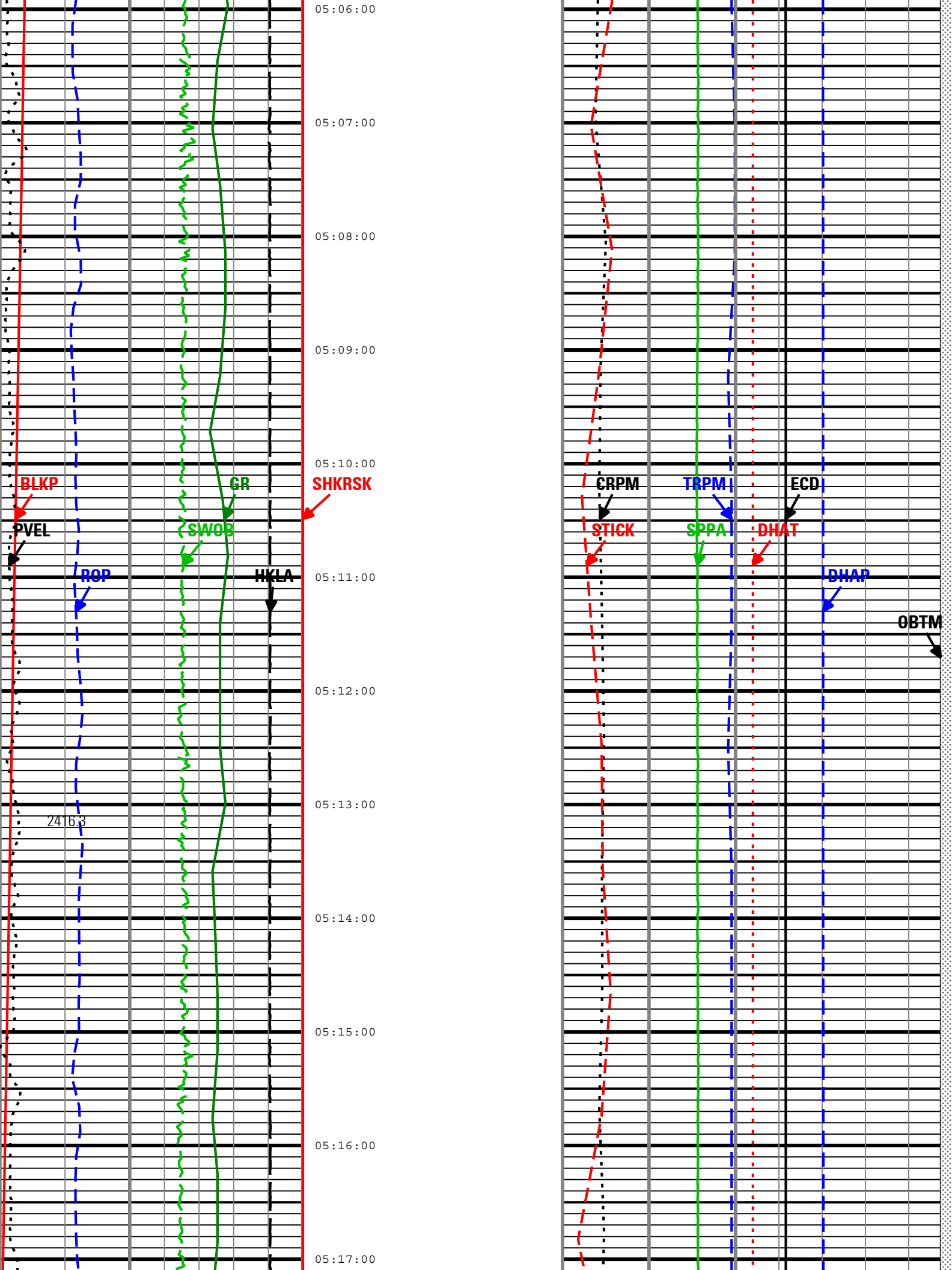


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GRPM
 STICK
 TRPM
 SPPA
 DHAT
 ECD
 DHAP
 OBTM





BLKP

PVEL

ROP

GR

SWOB

HKLA

SHKRSK

CRPM

TRPM

ECD

STICK

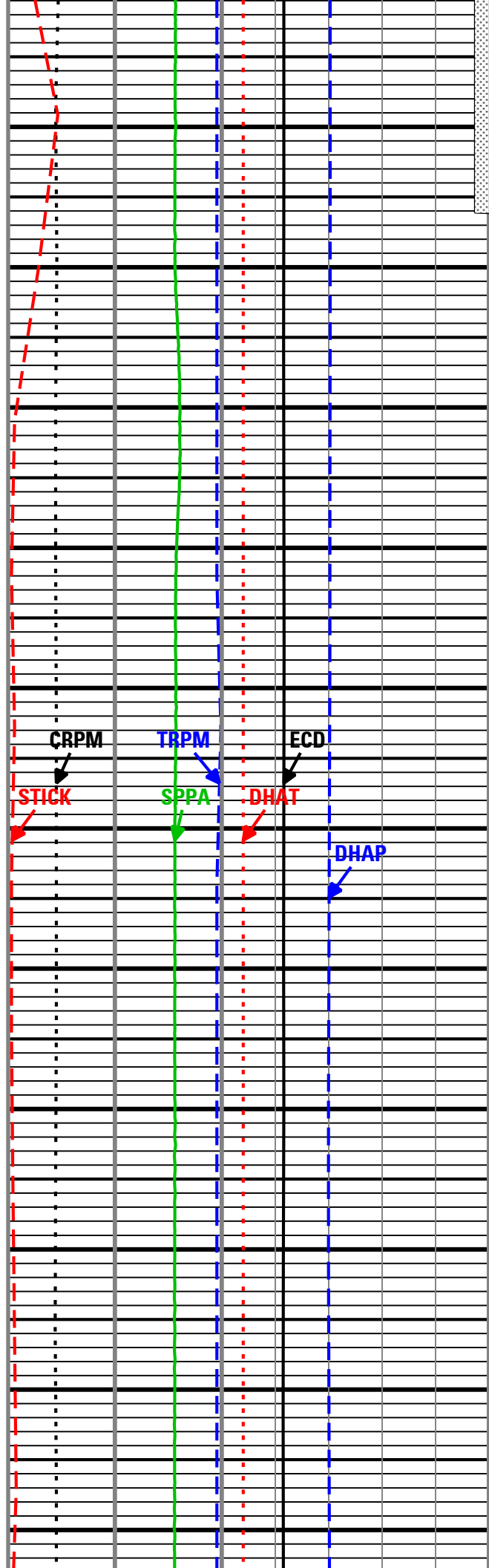
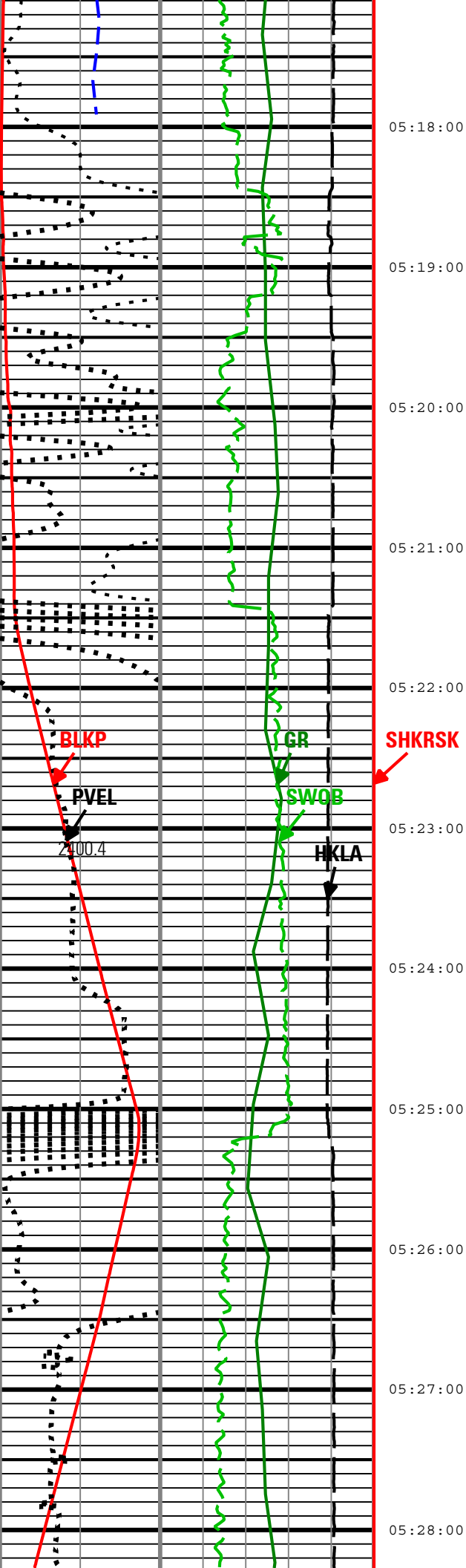
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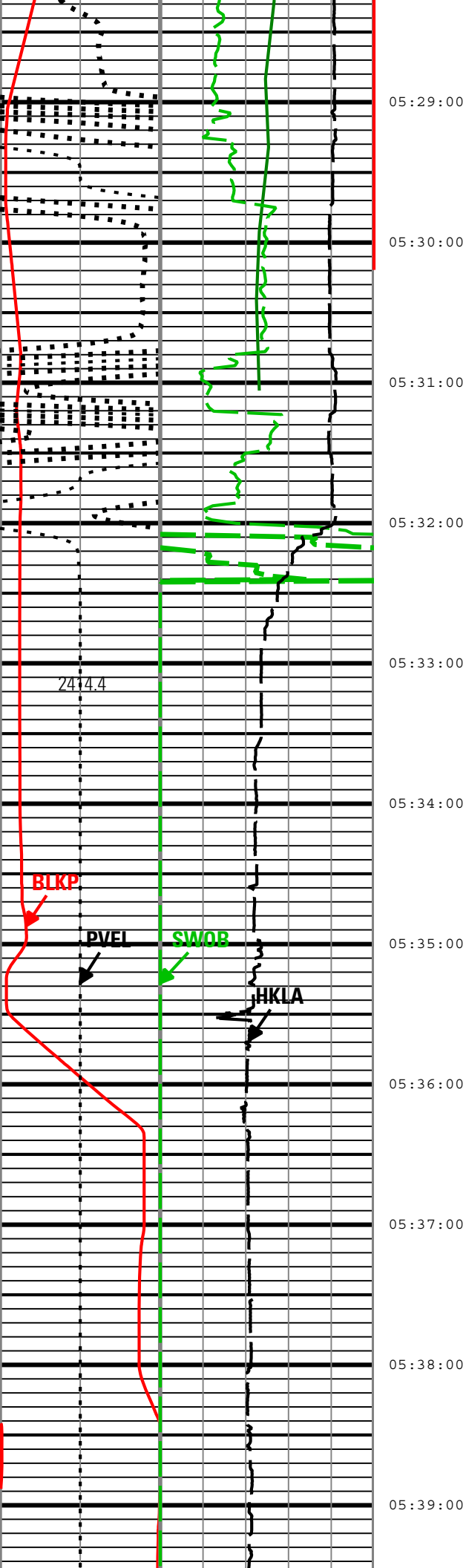
DHAT

DHAP

OBTM

24163





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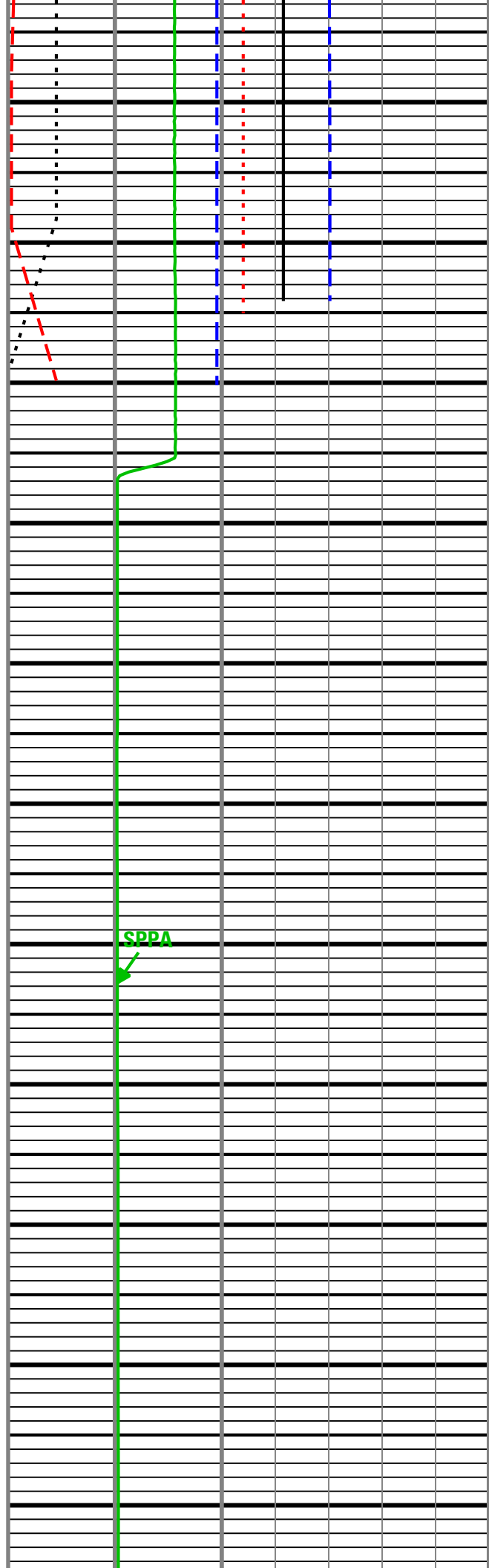
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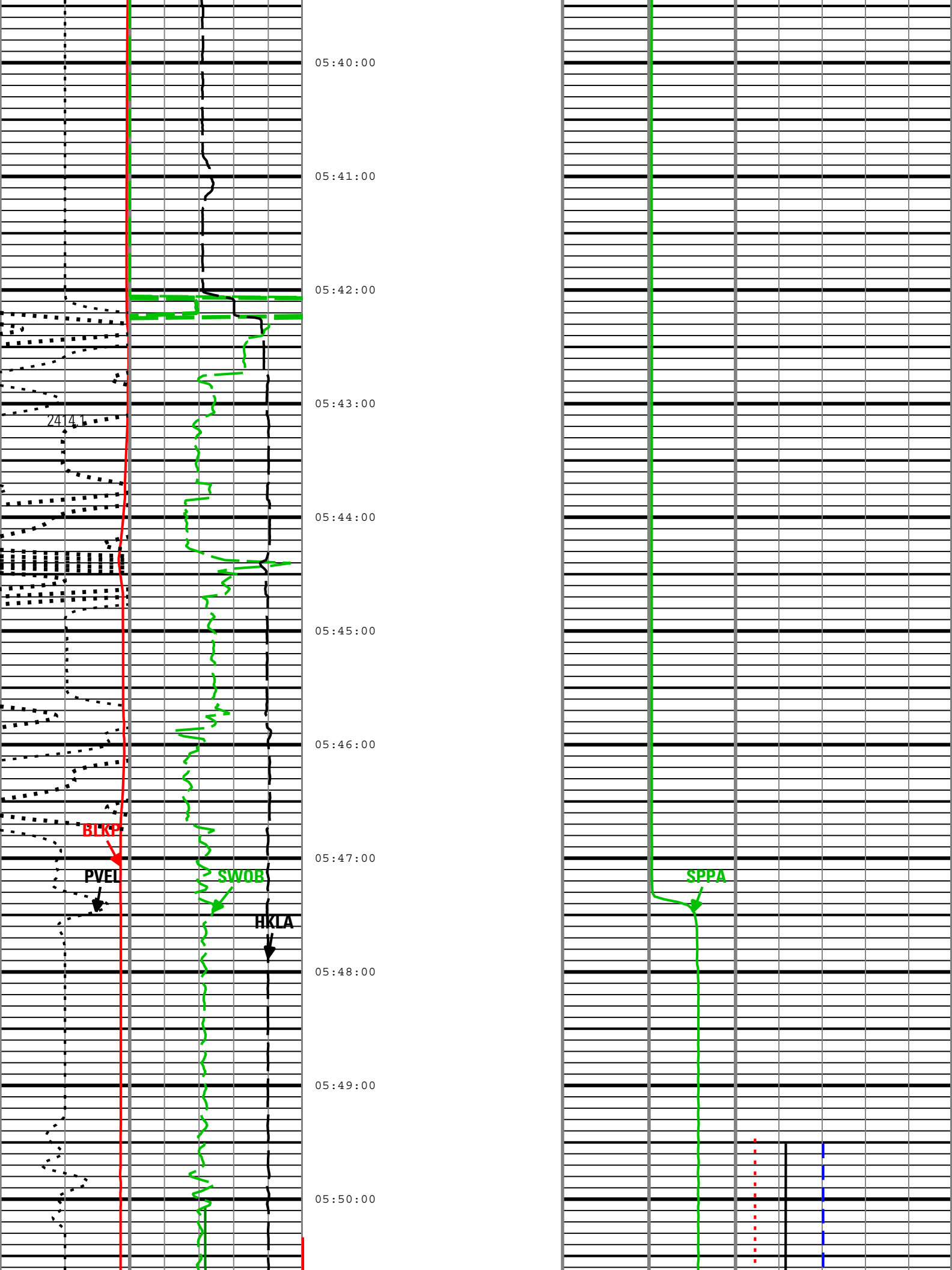
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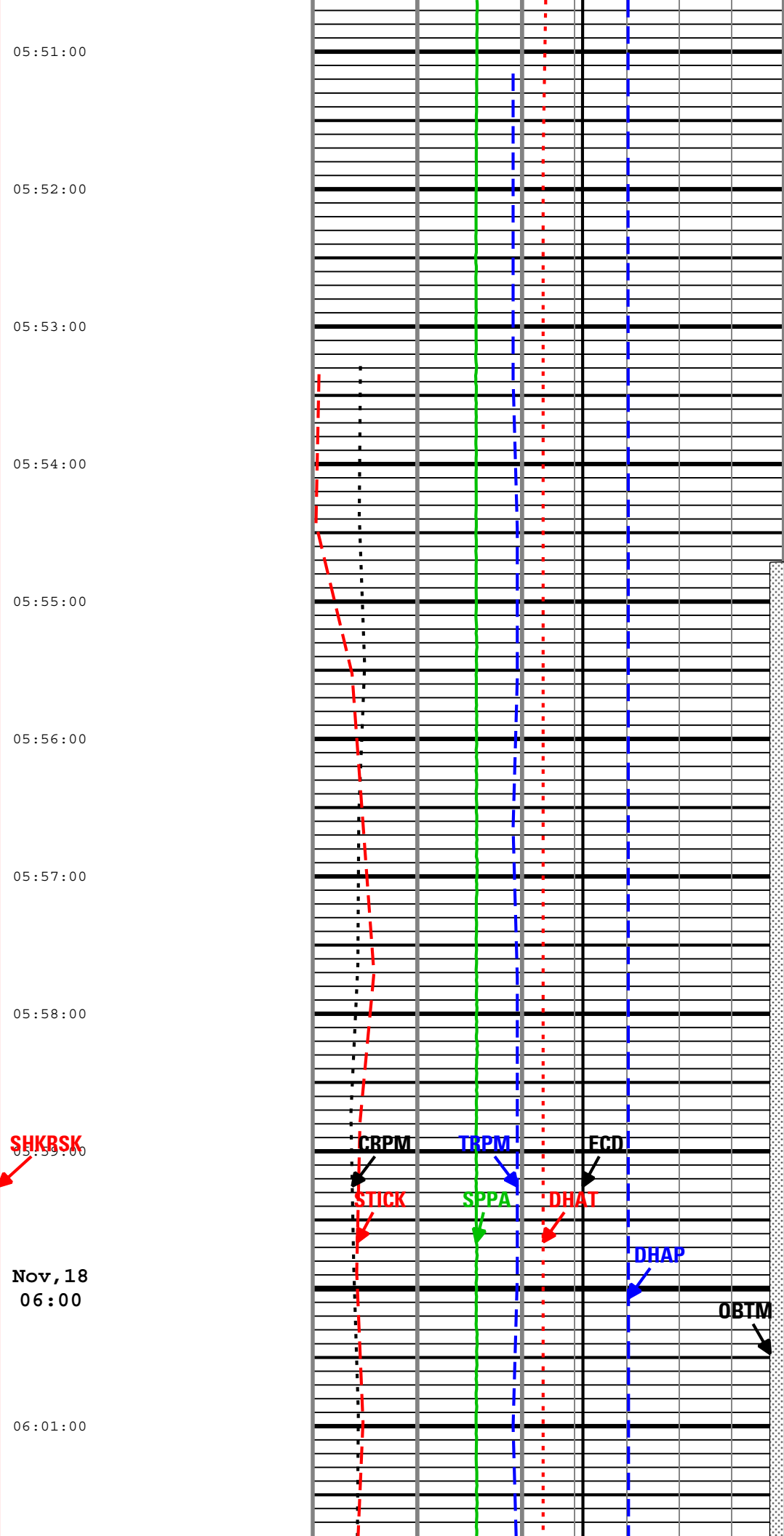
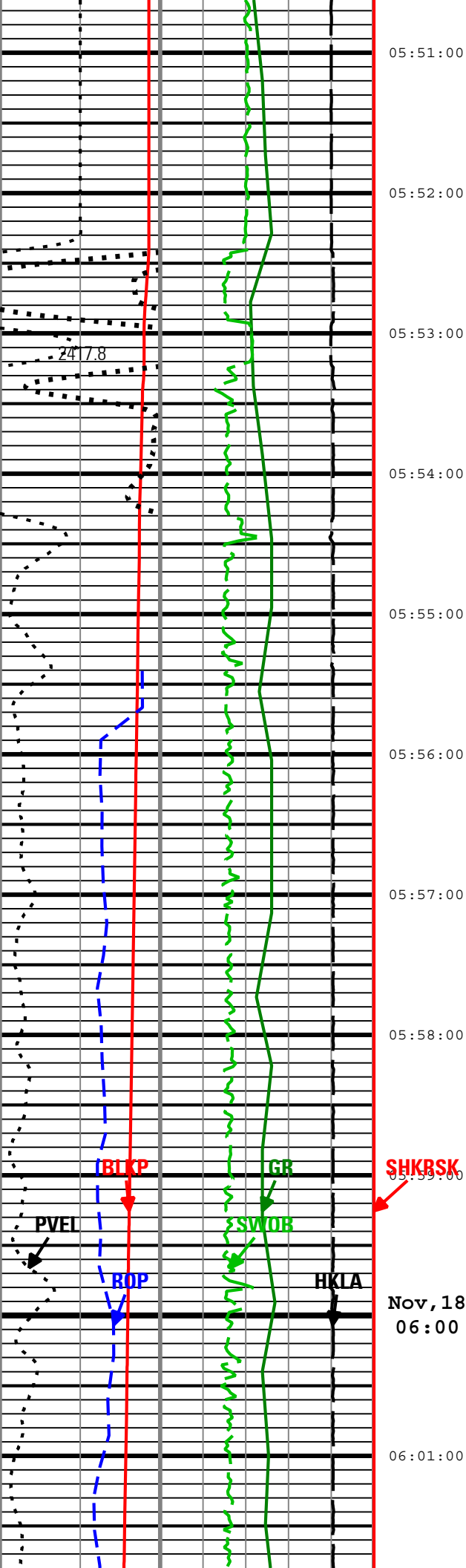
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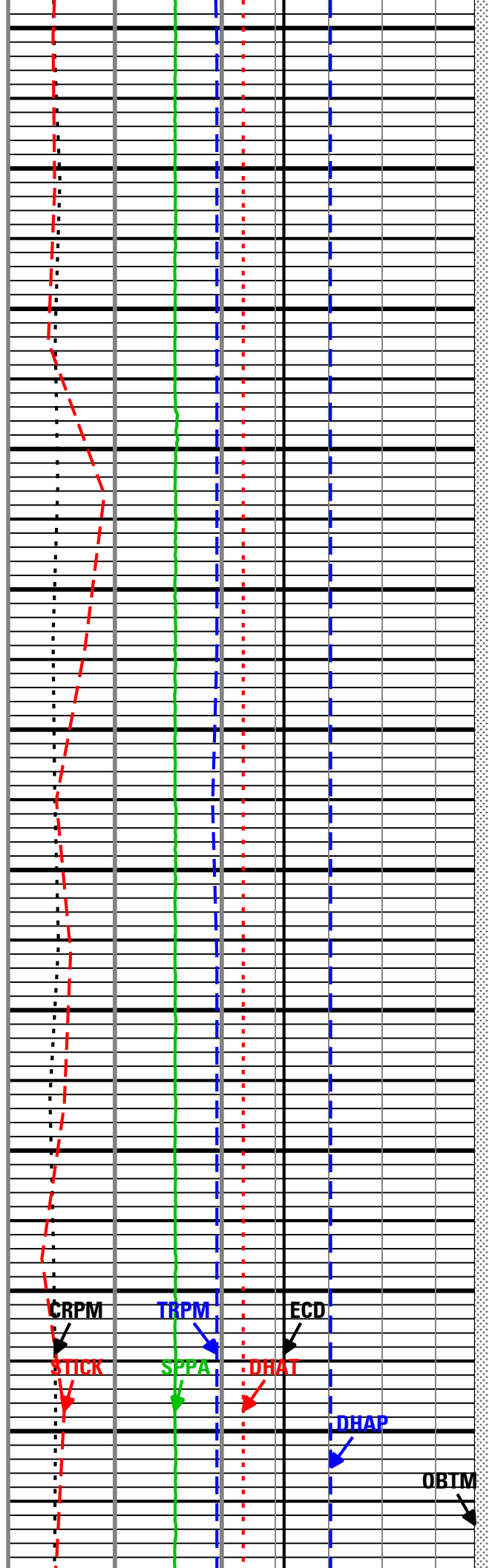
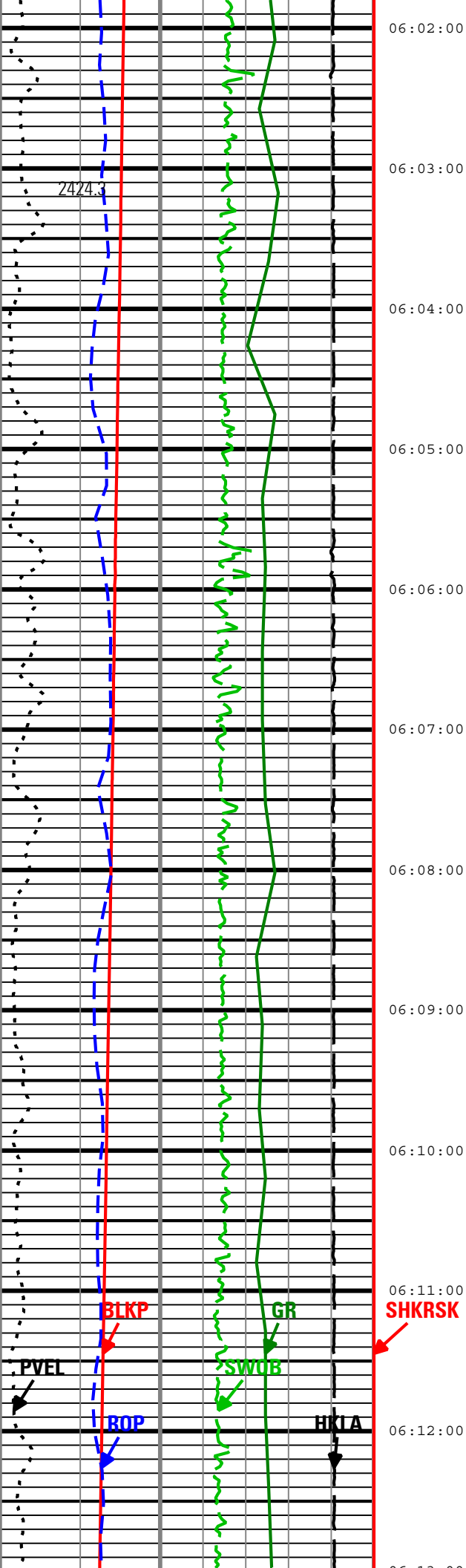
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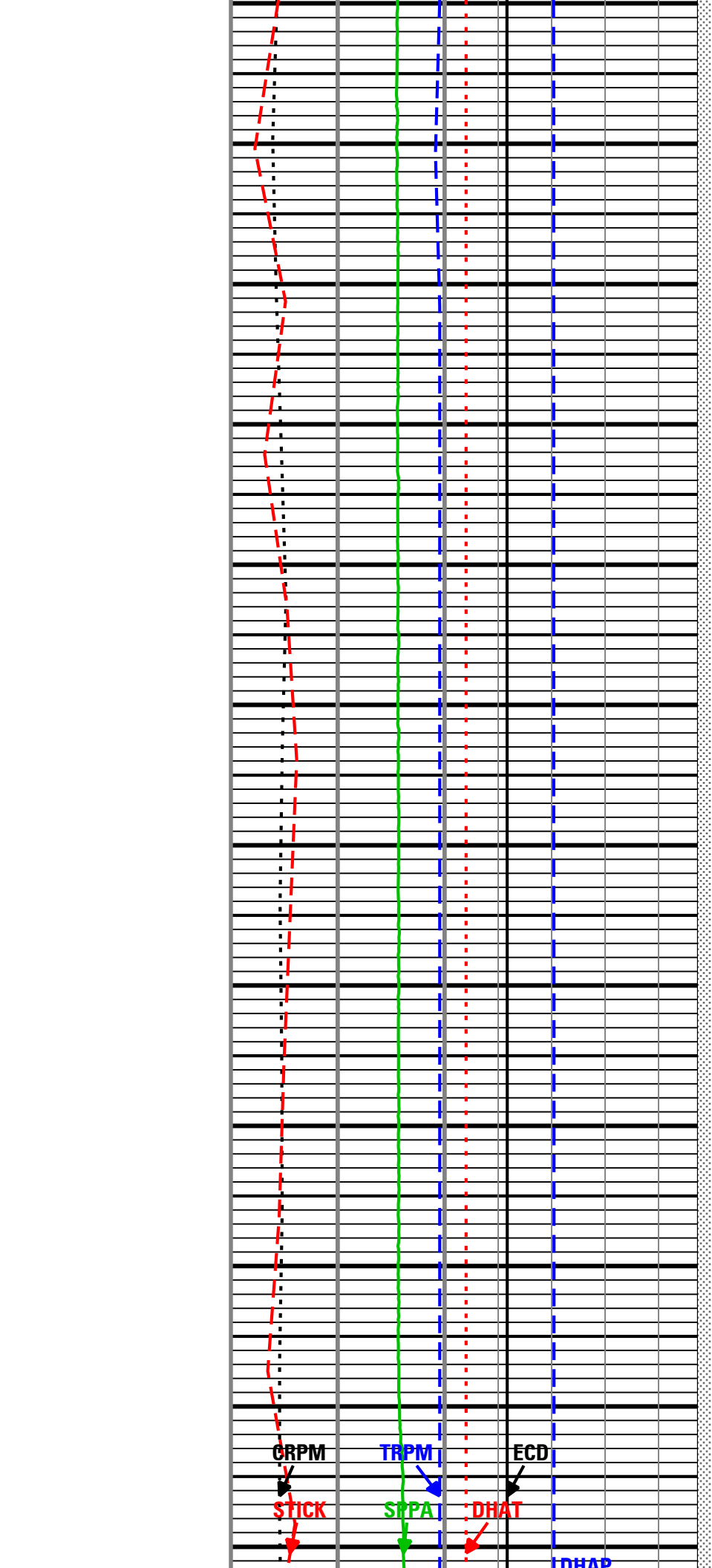
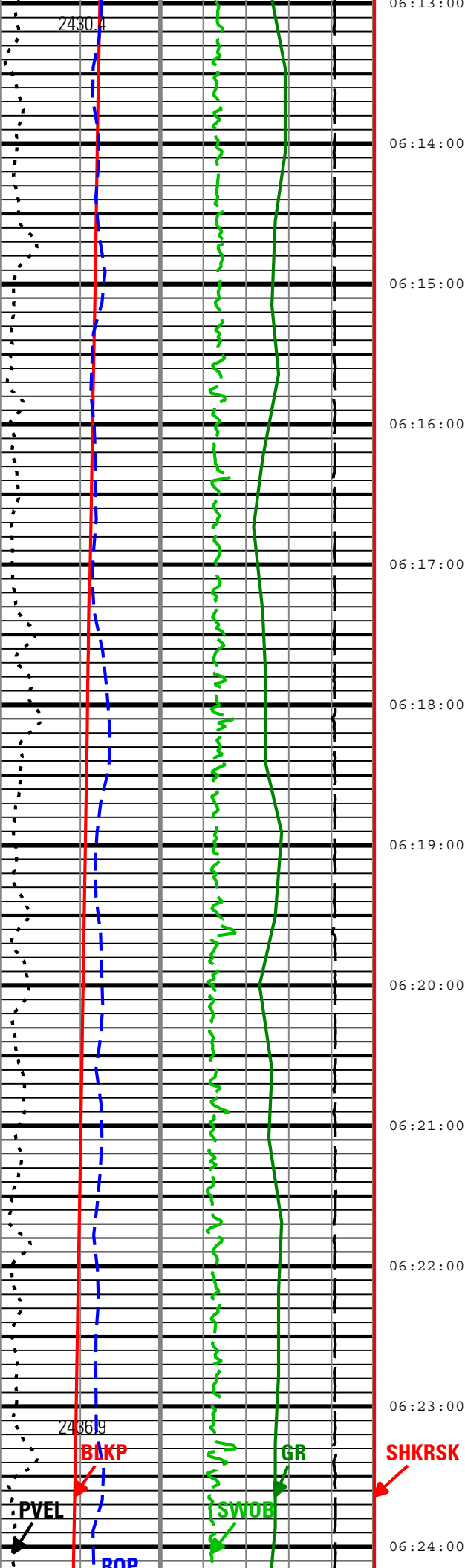


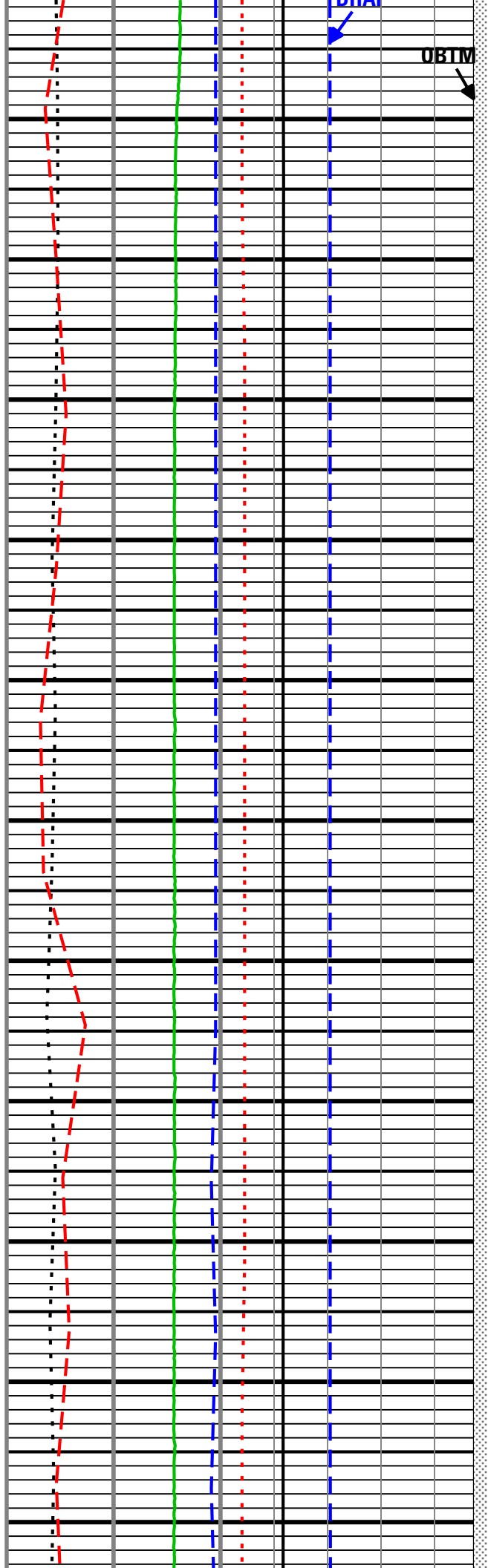
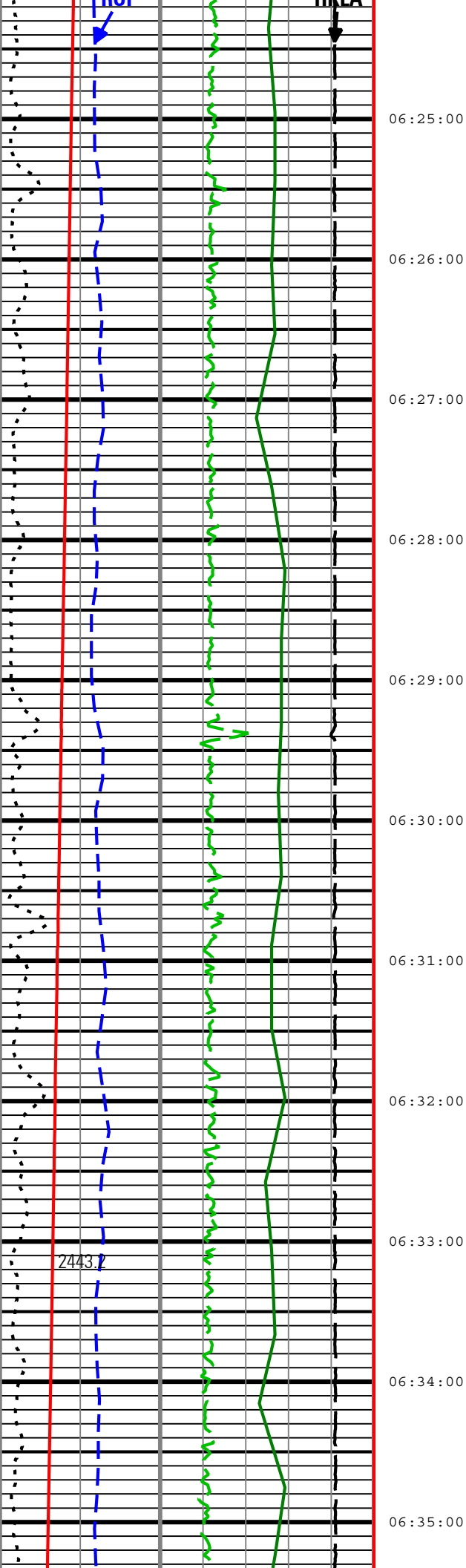
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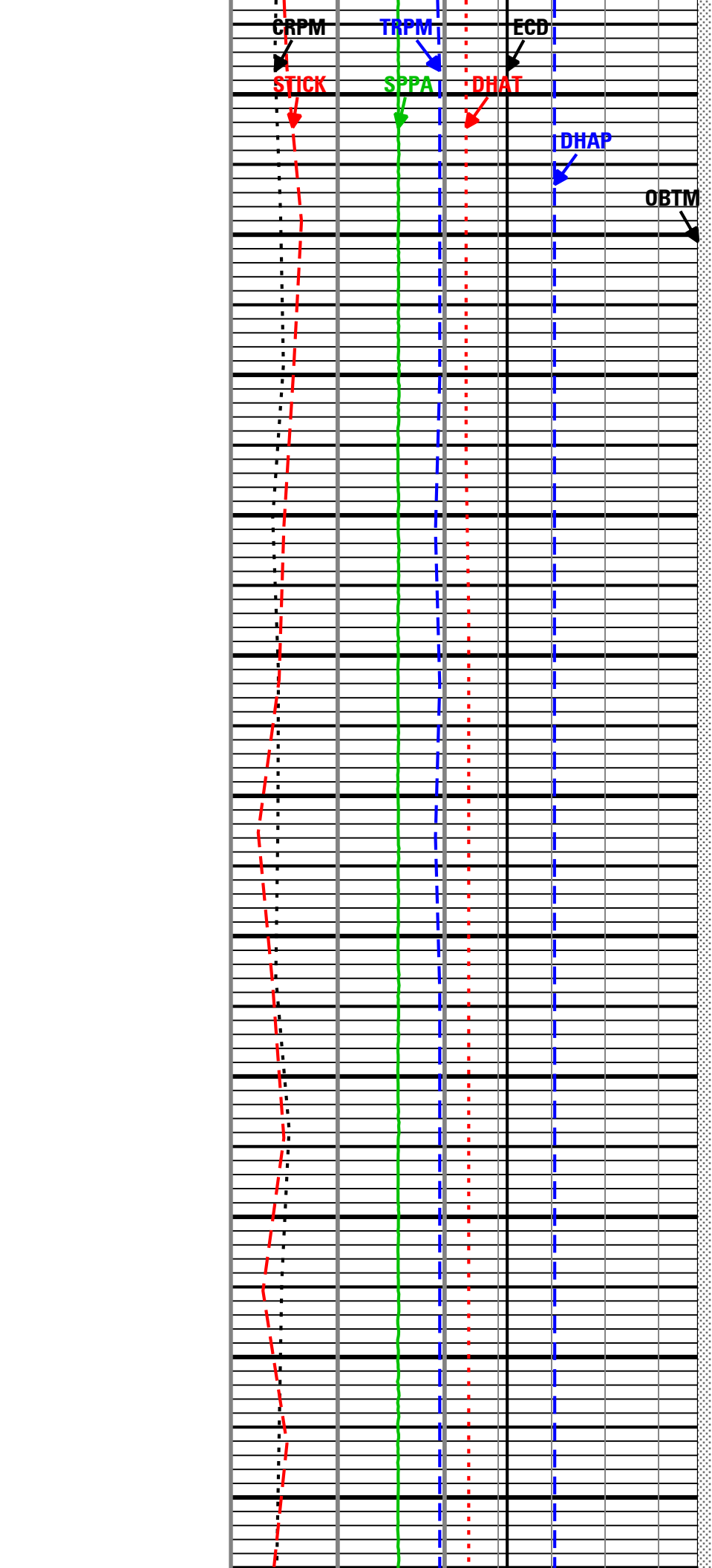
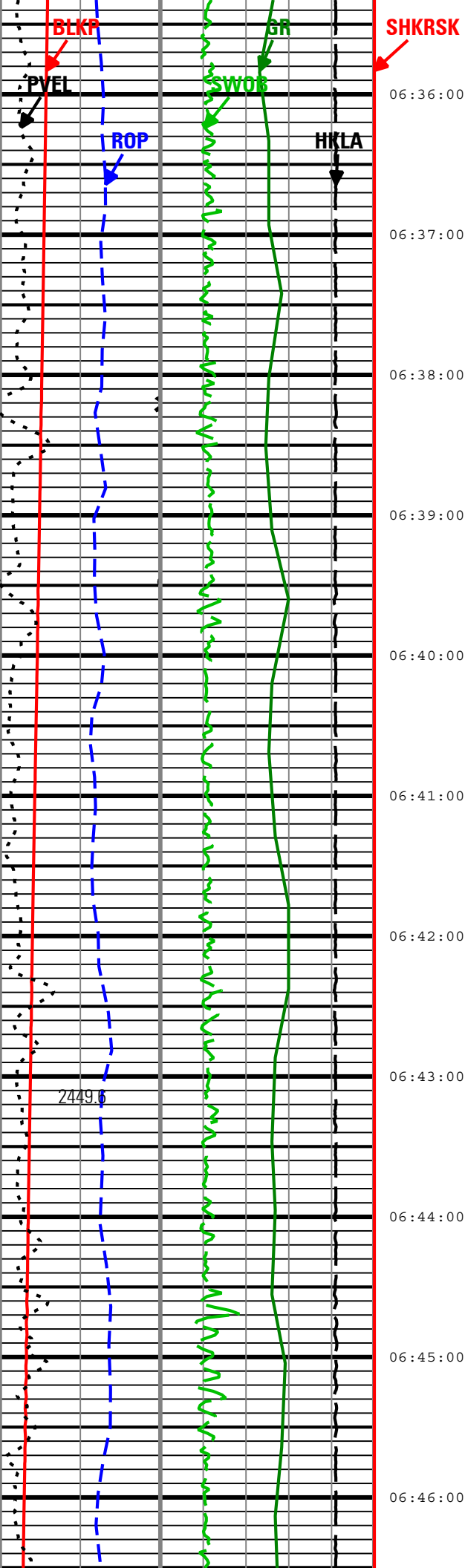


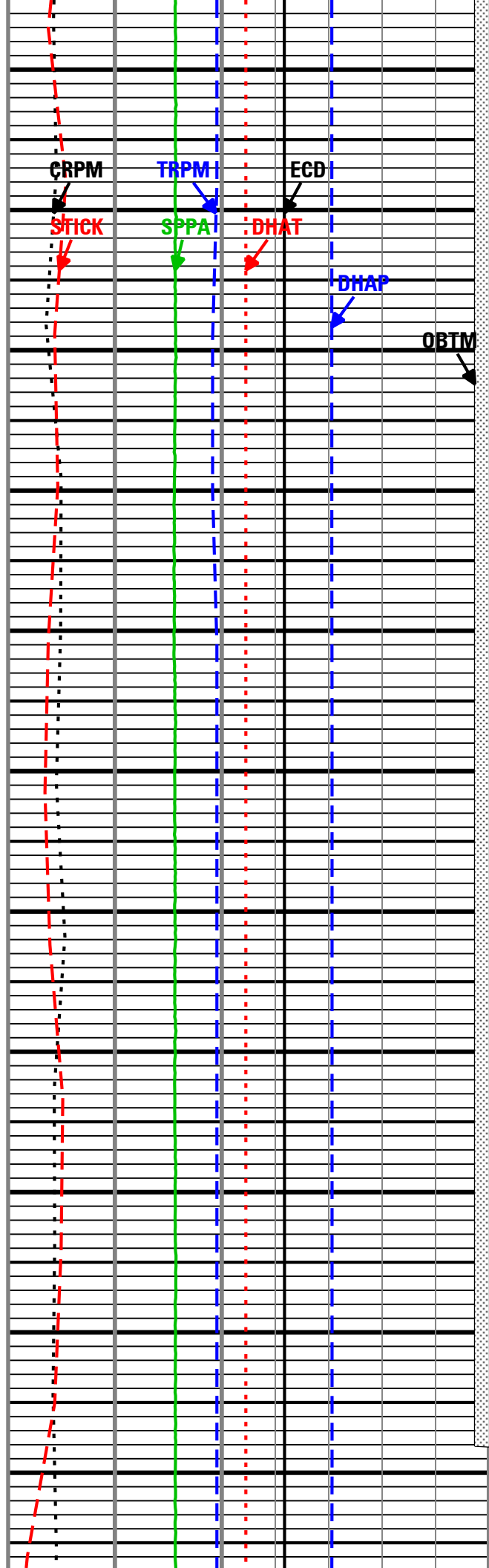
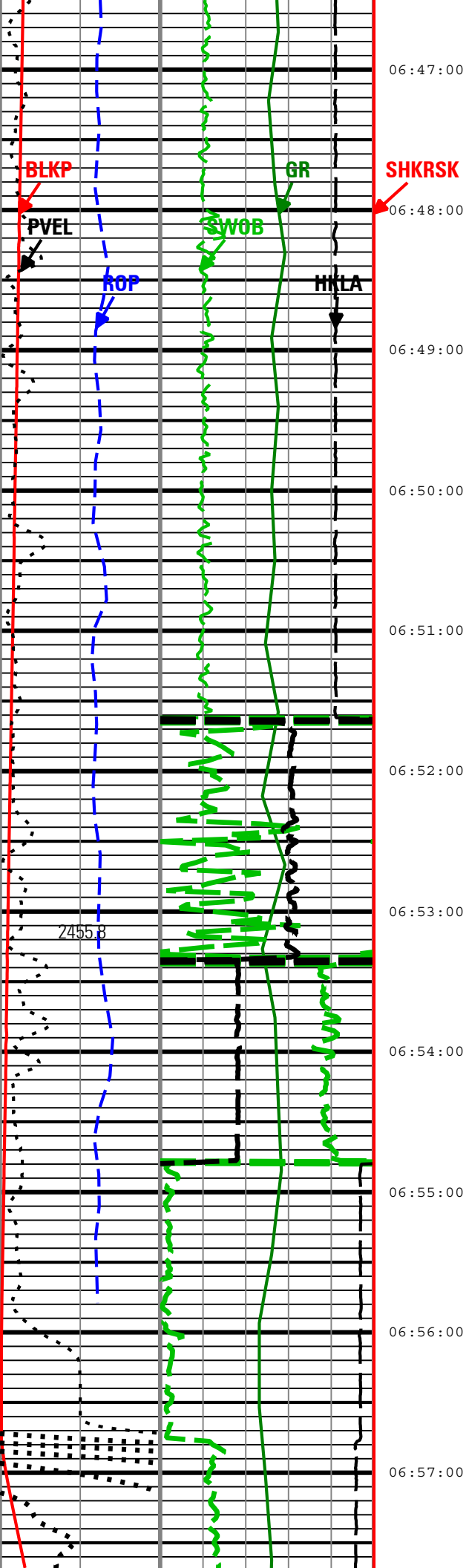


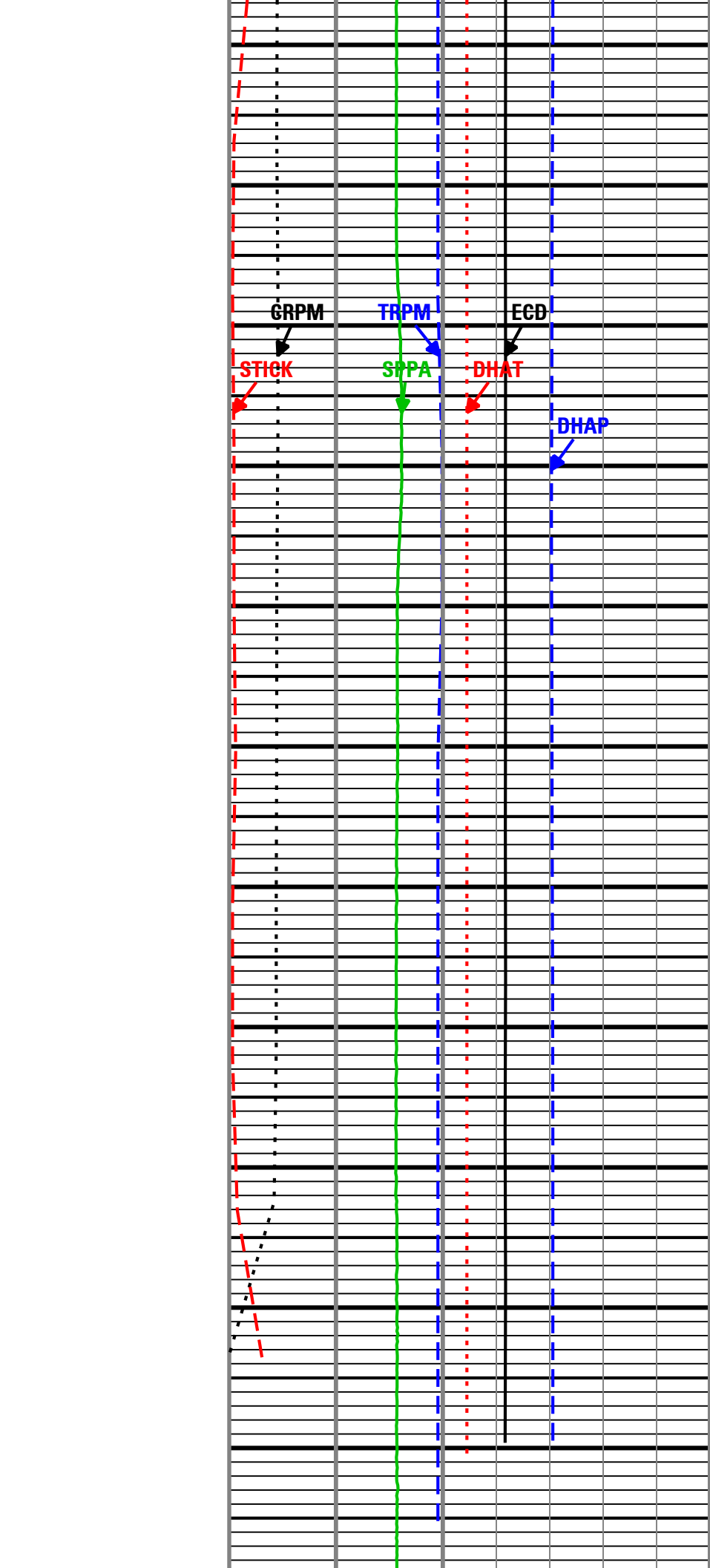
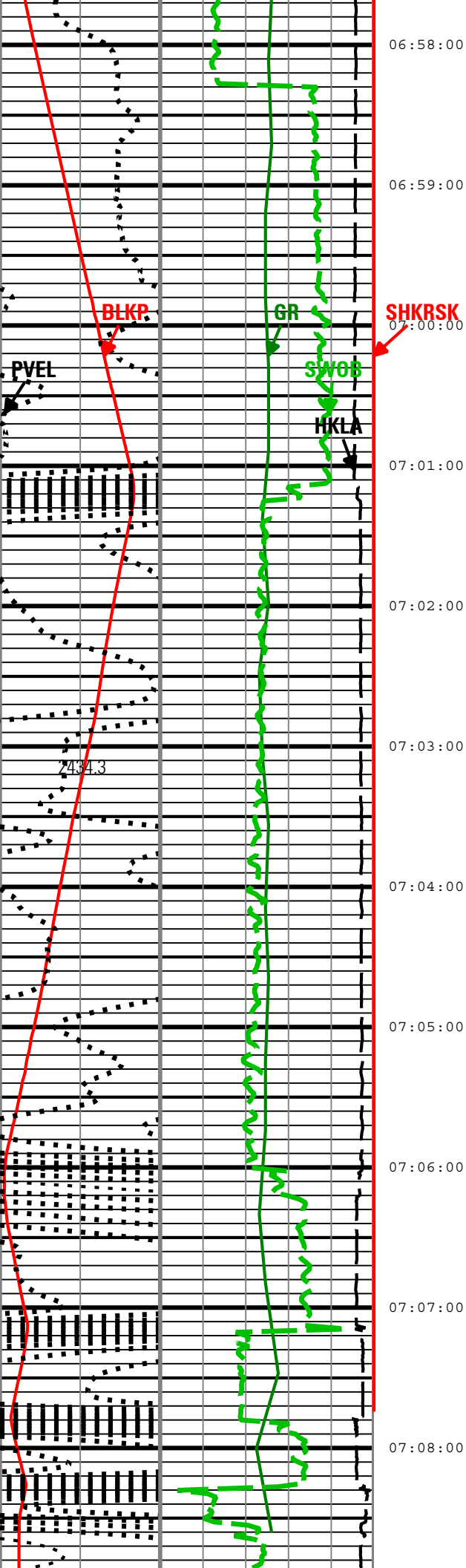


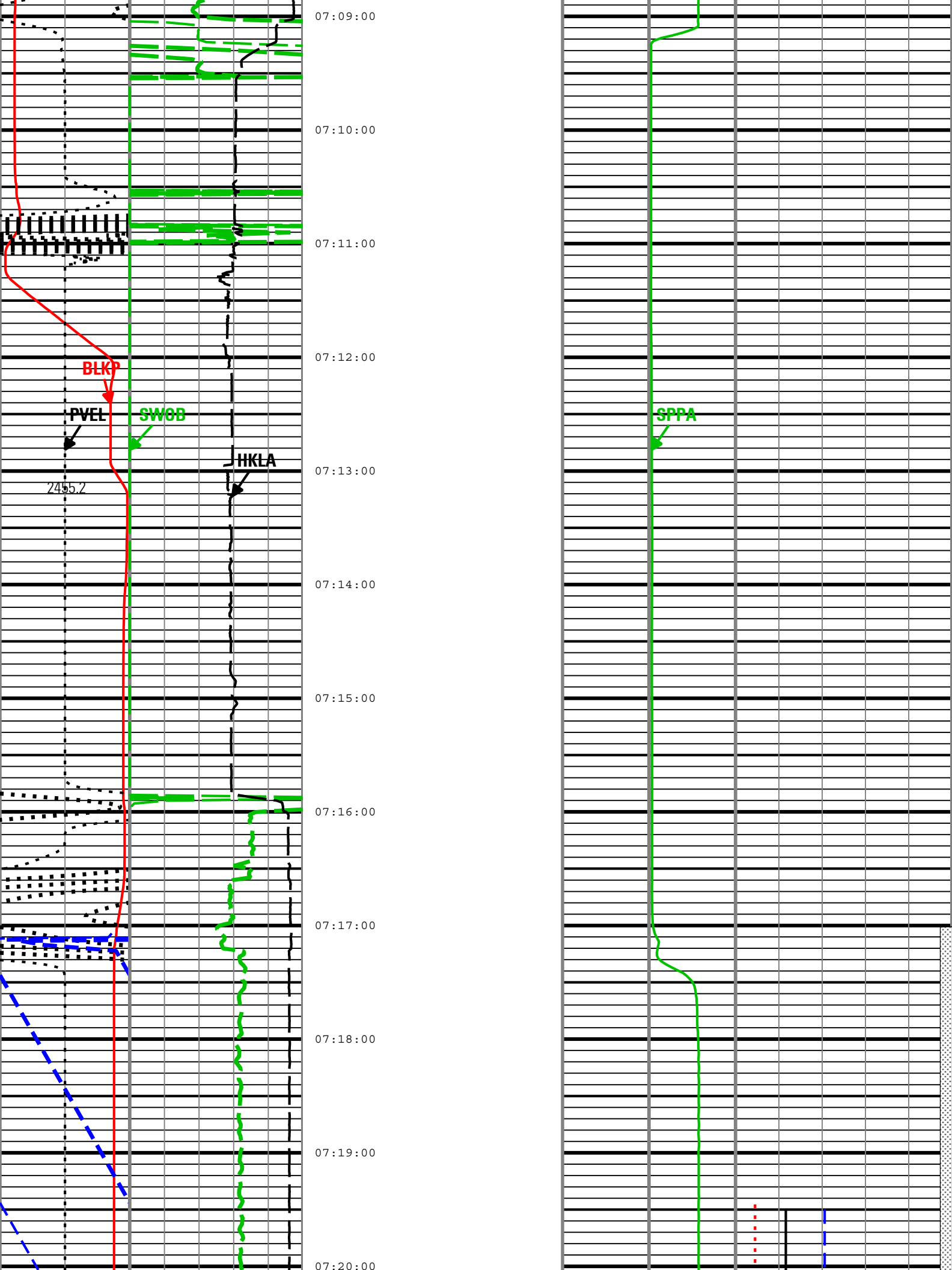


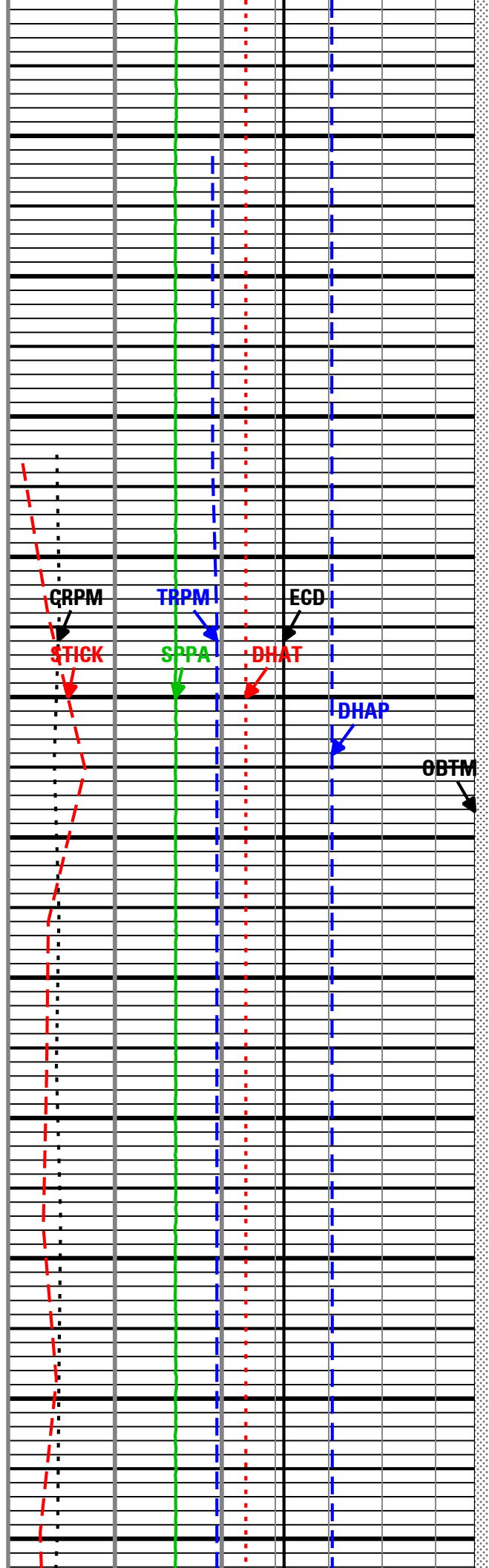
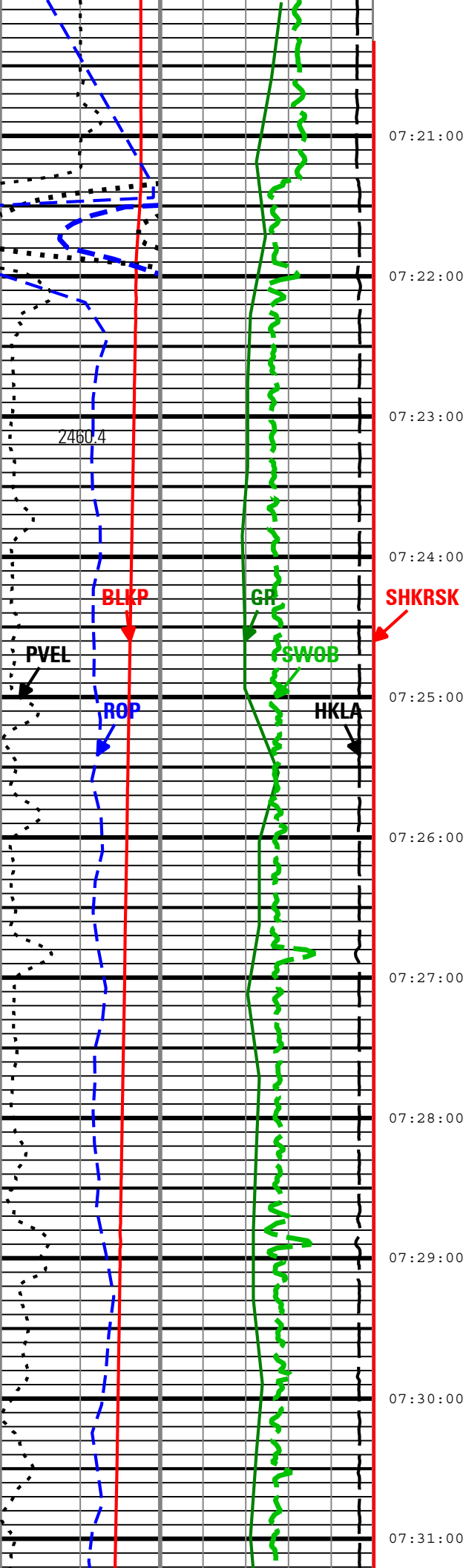


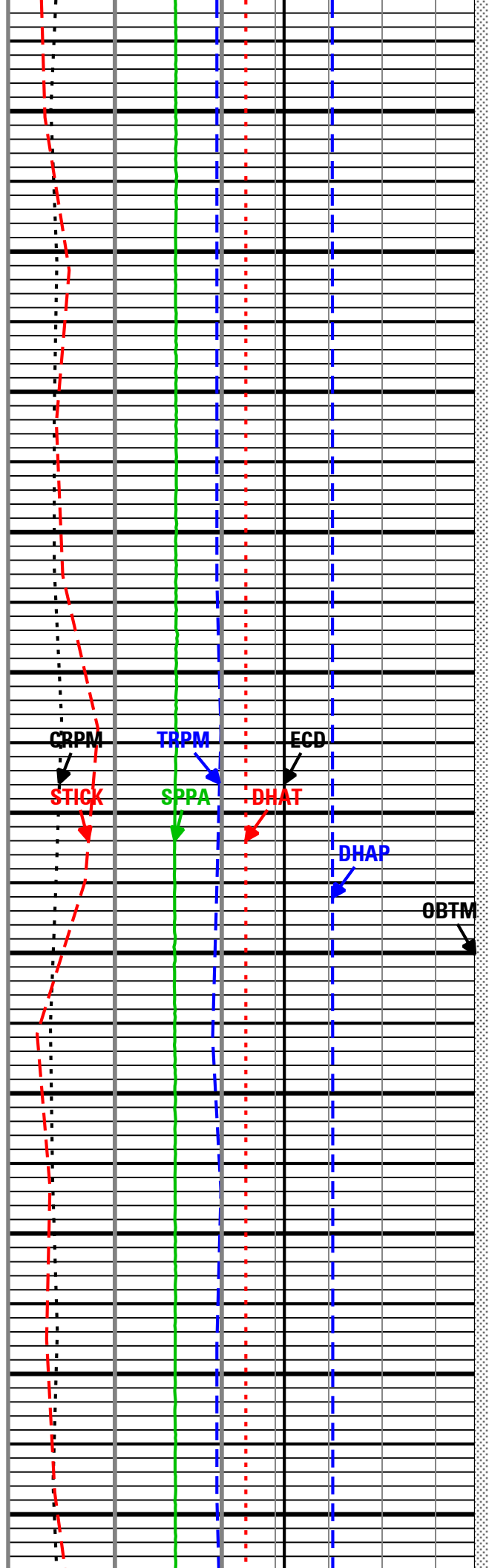
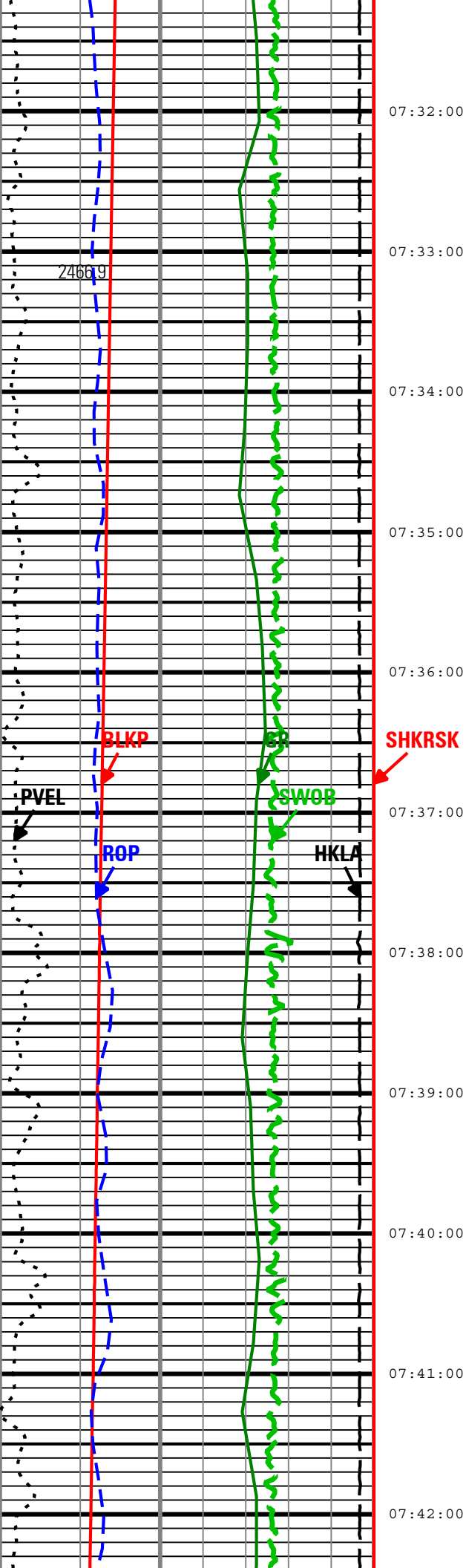


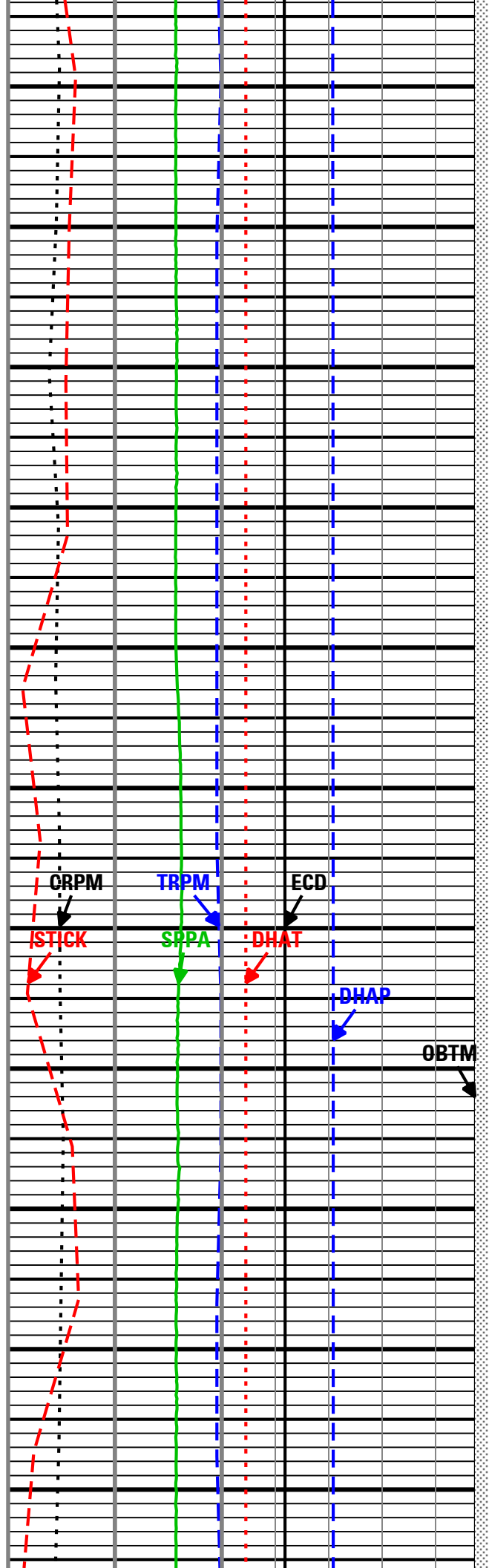
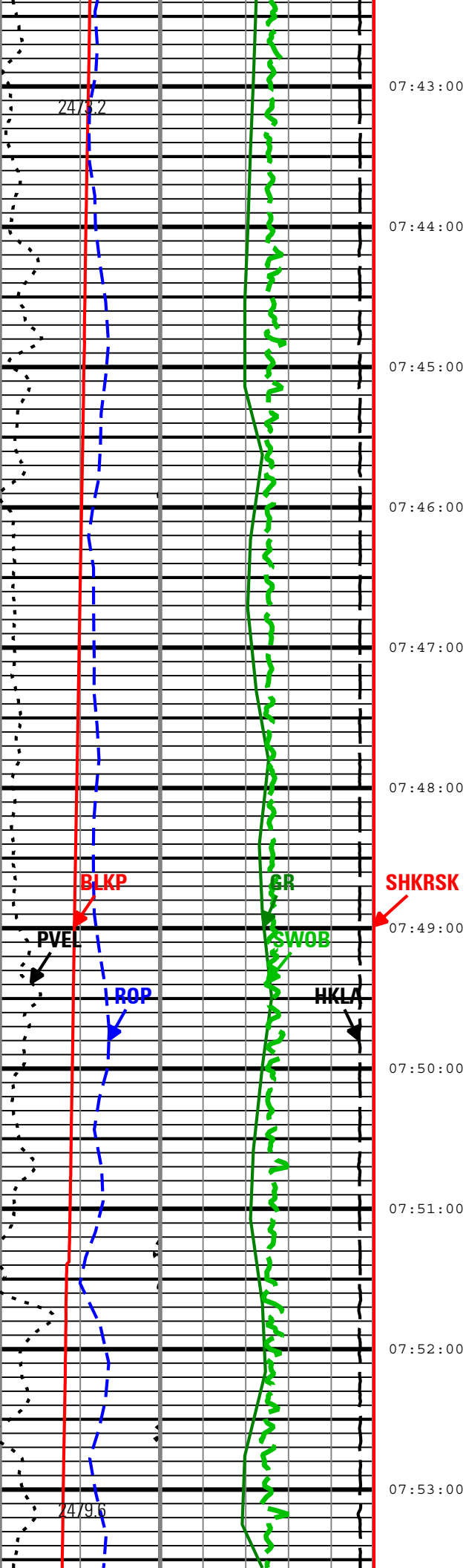


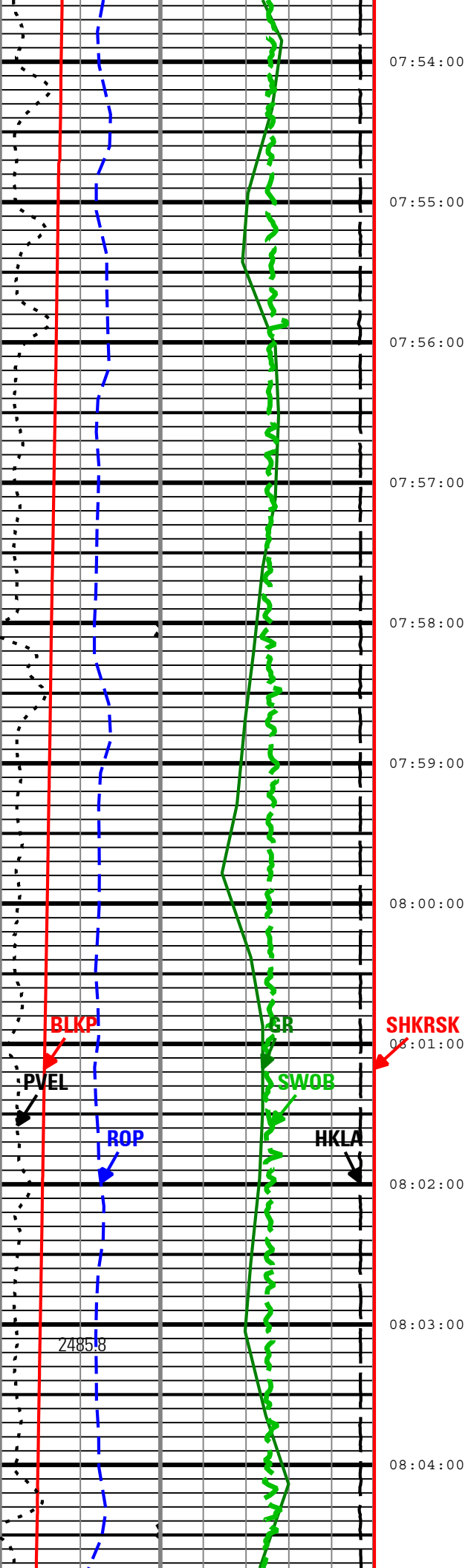




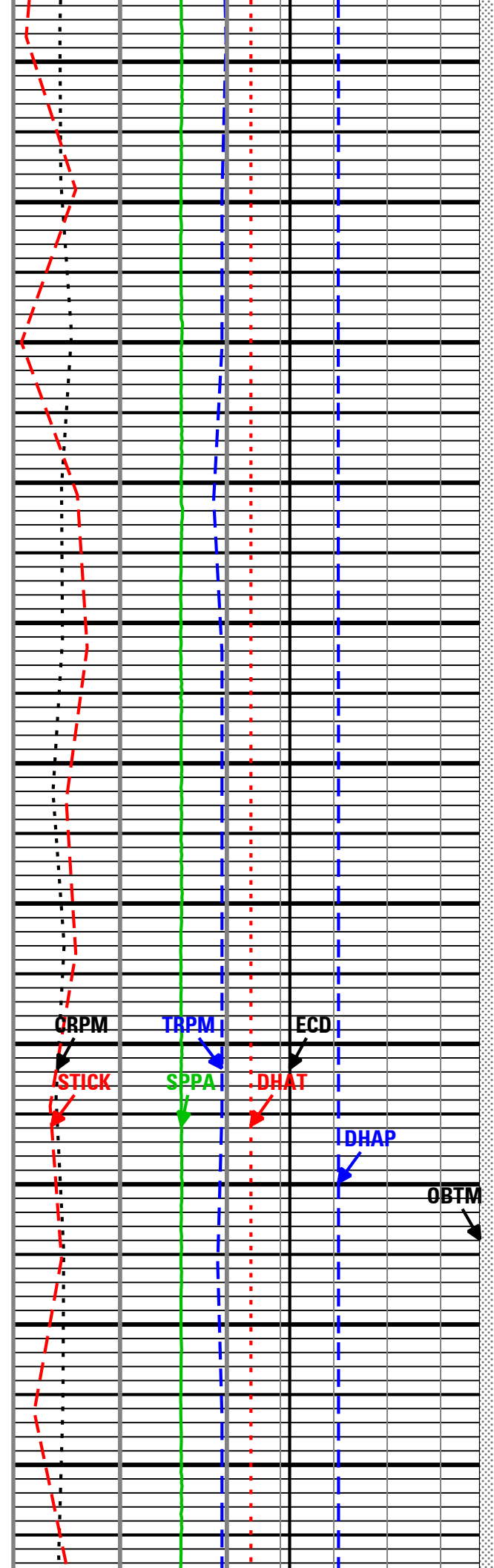




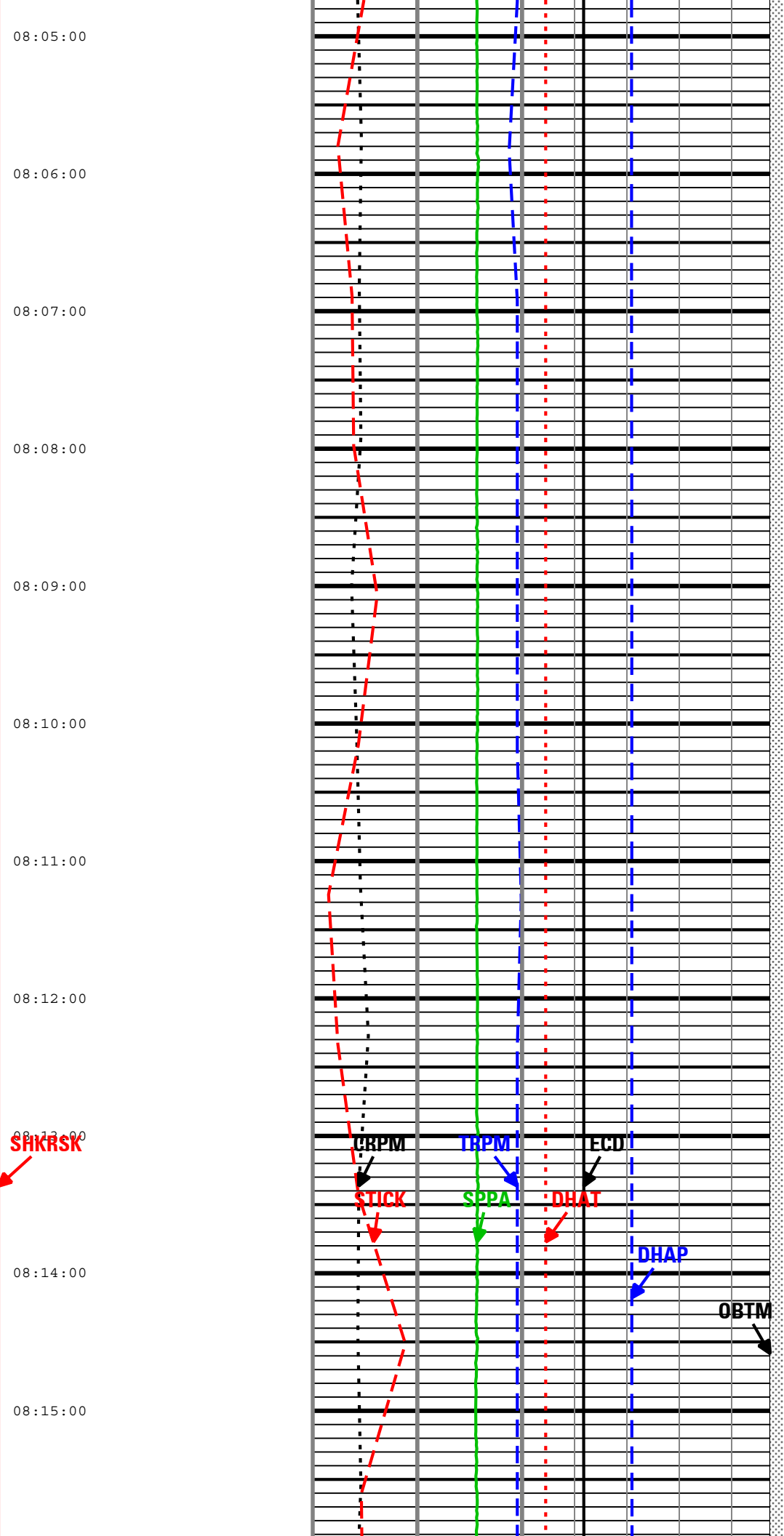
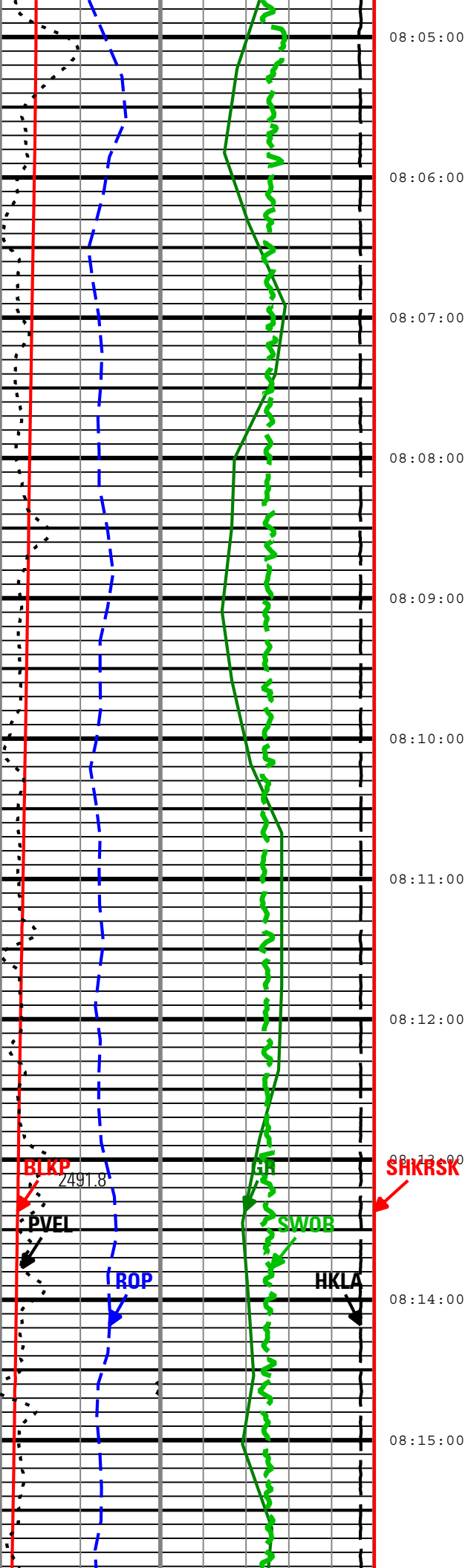


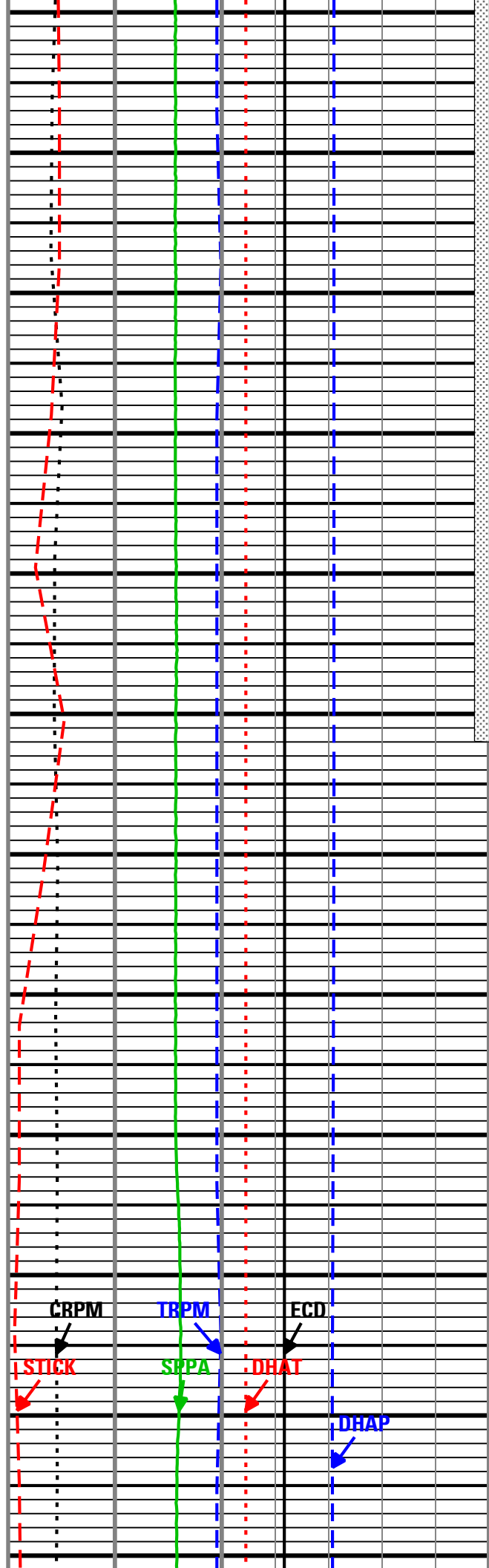
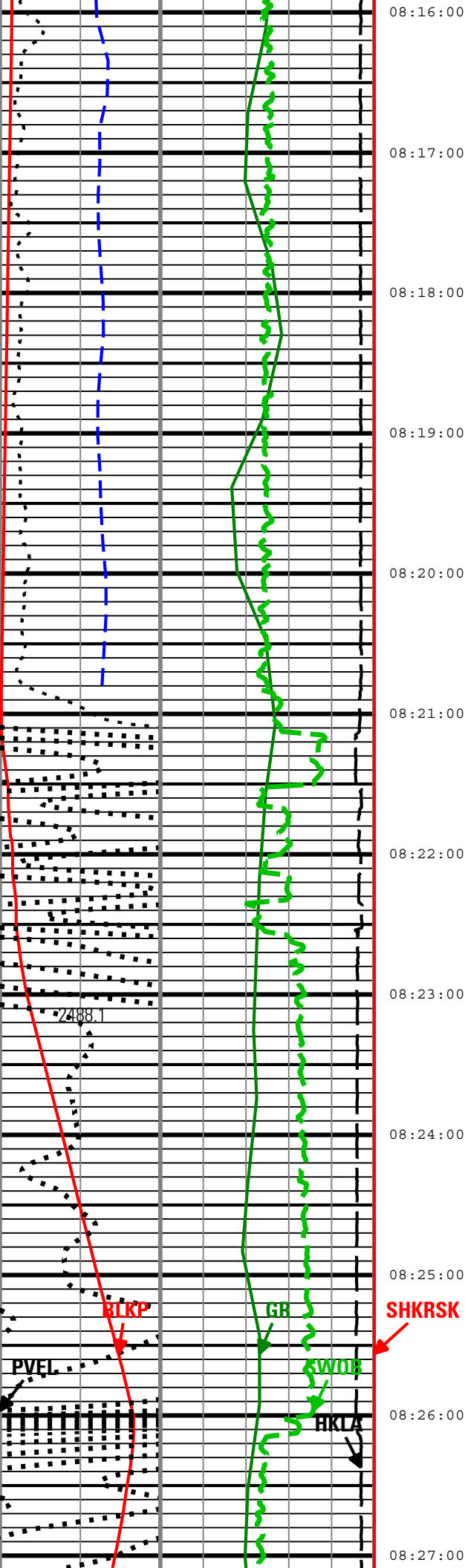


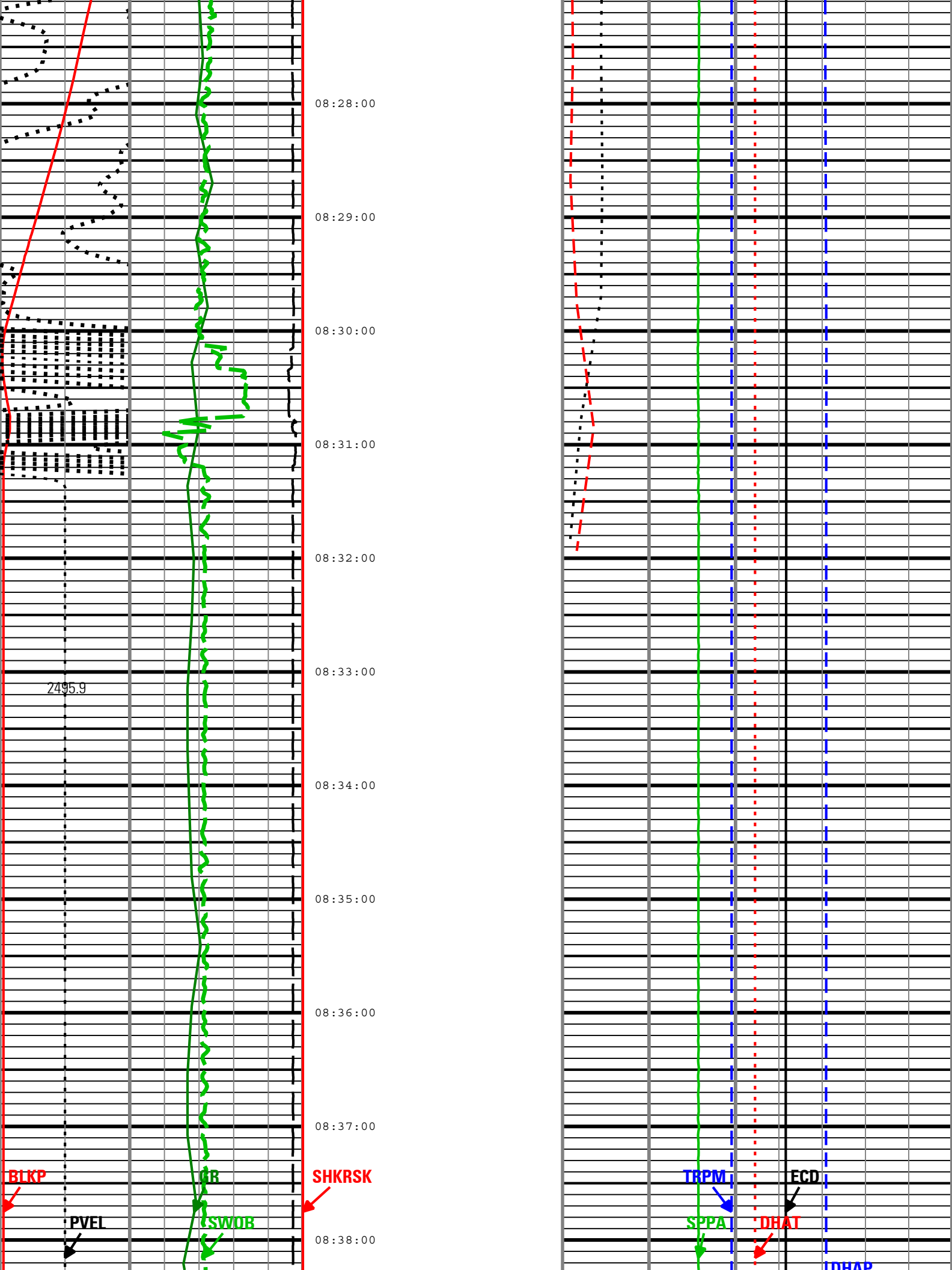
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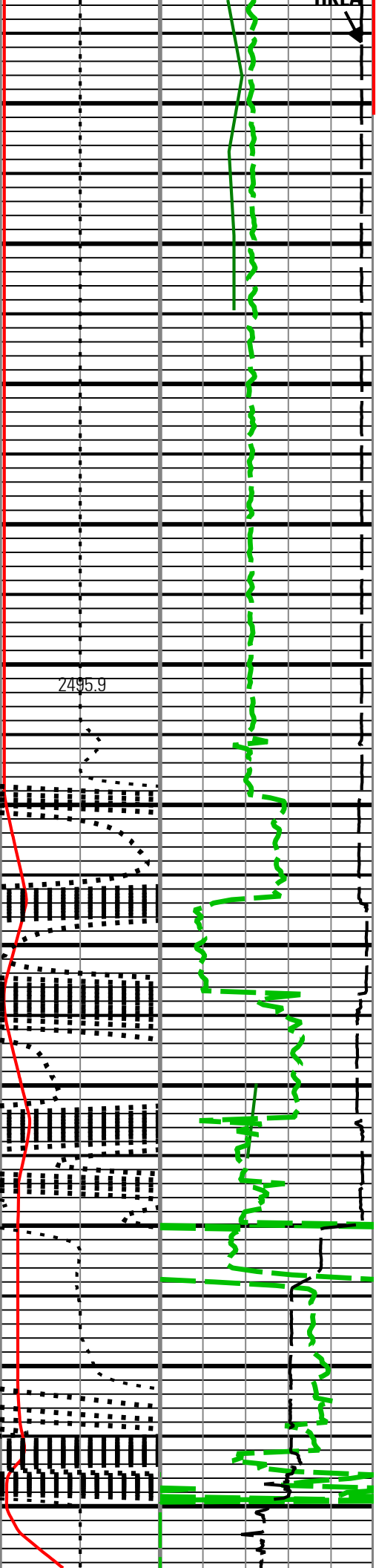


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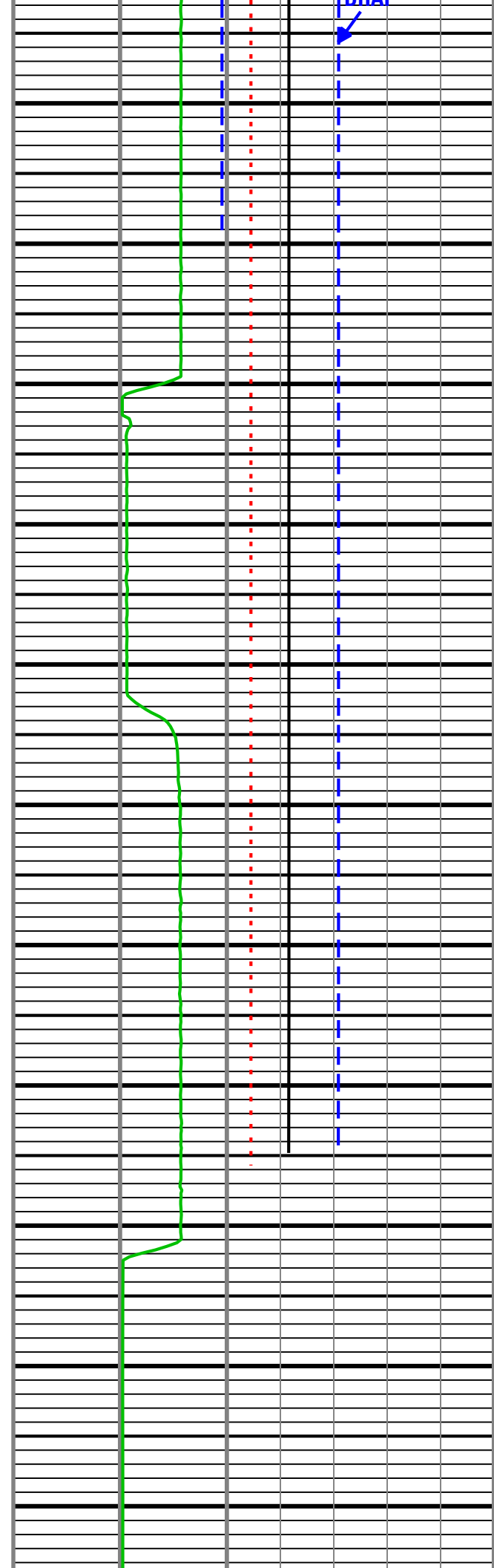


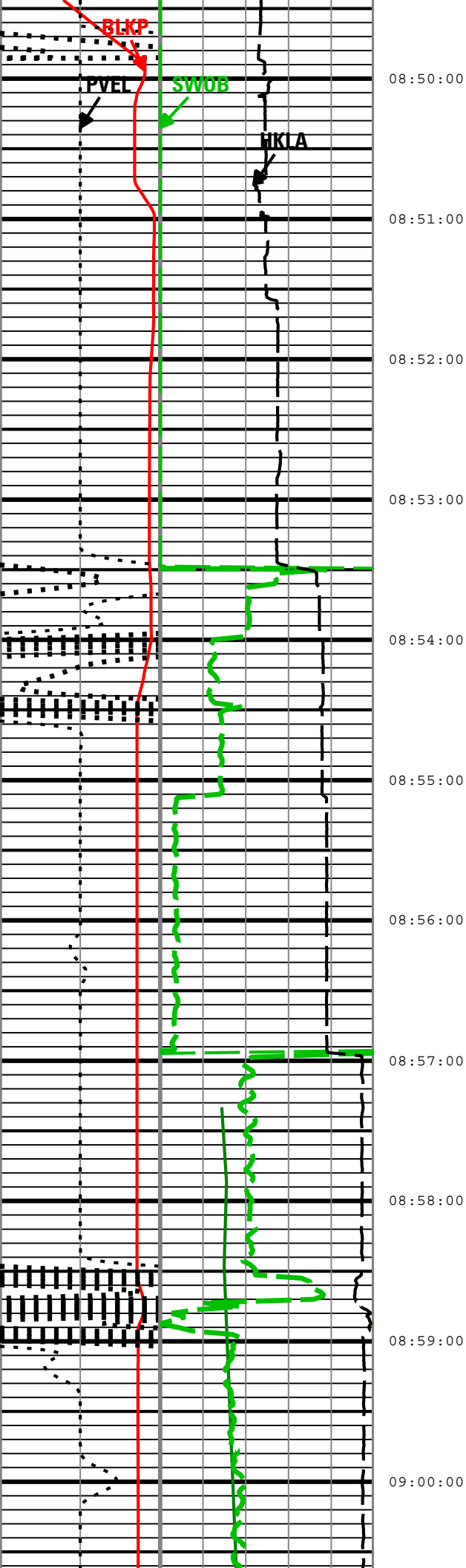




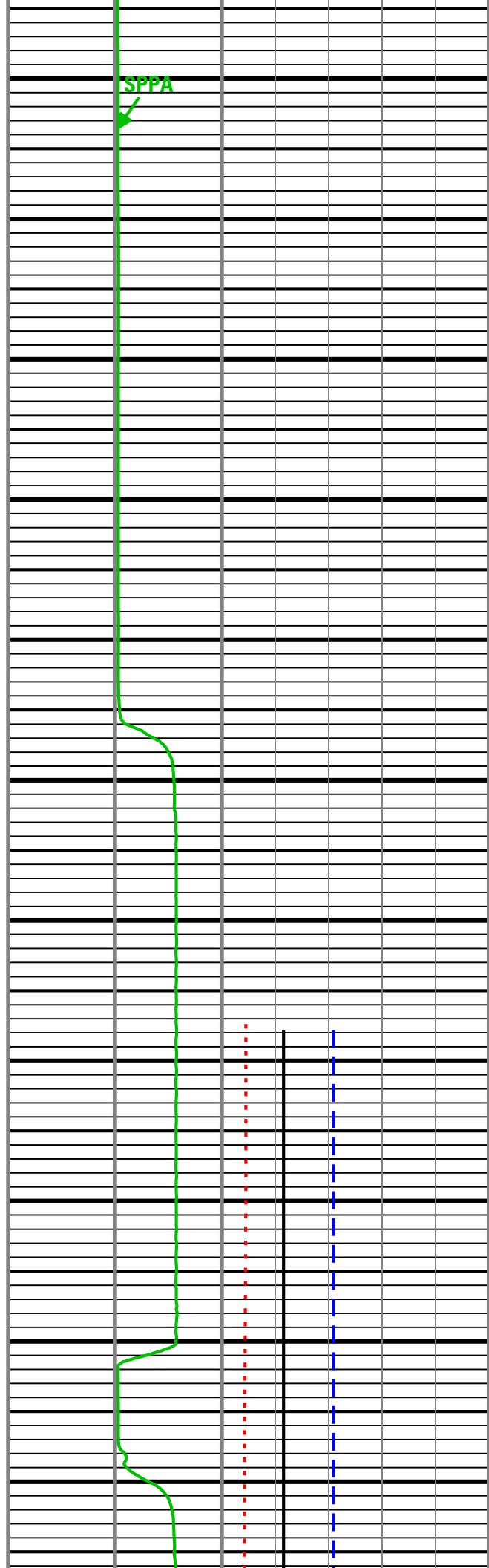
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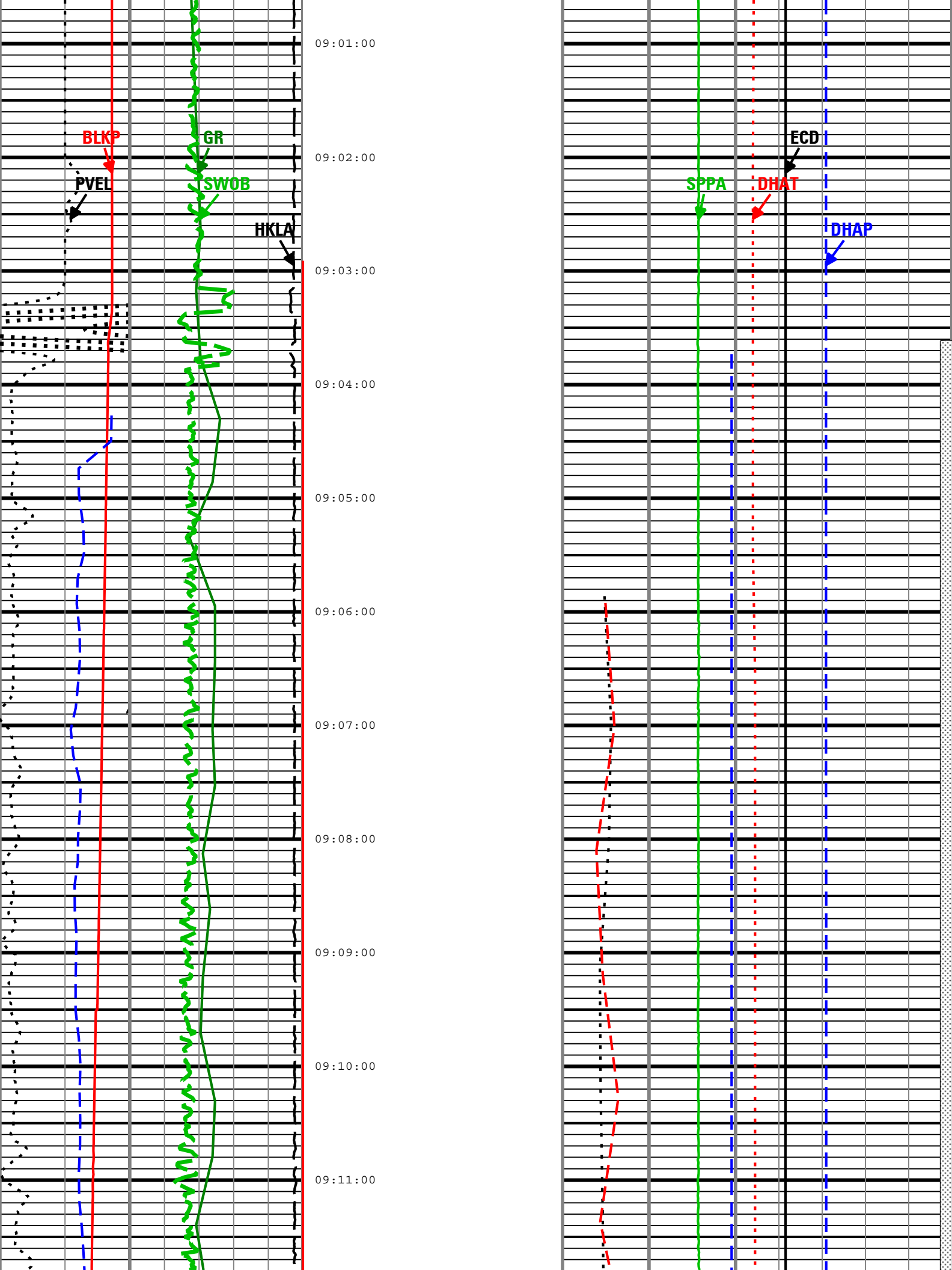
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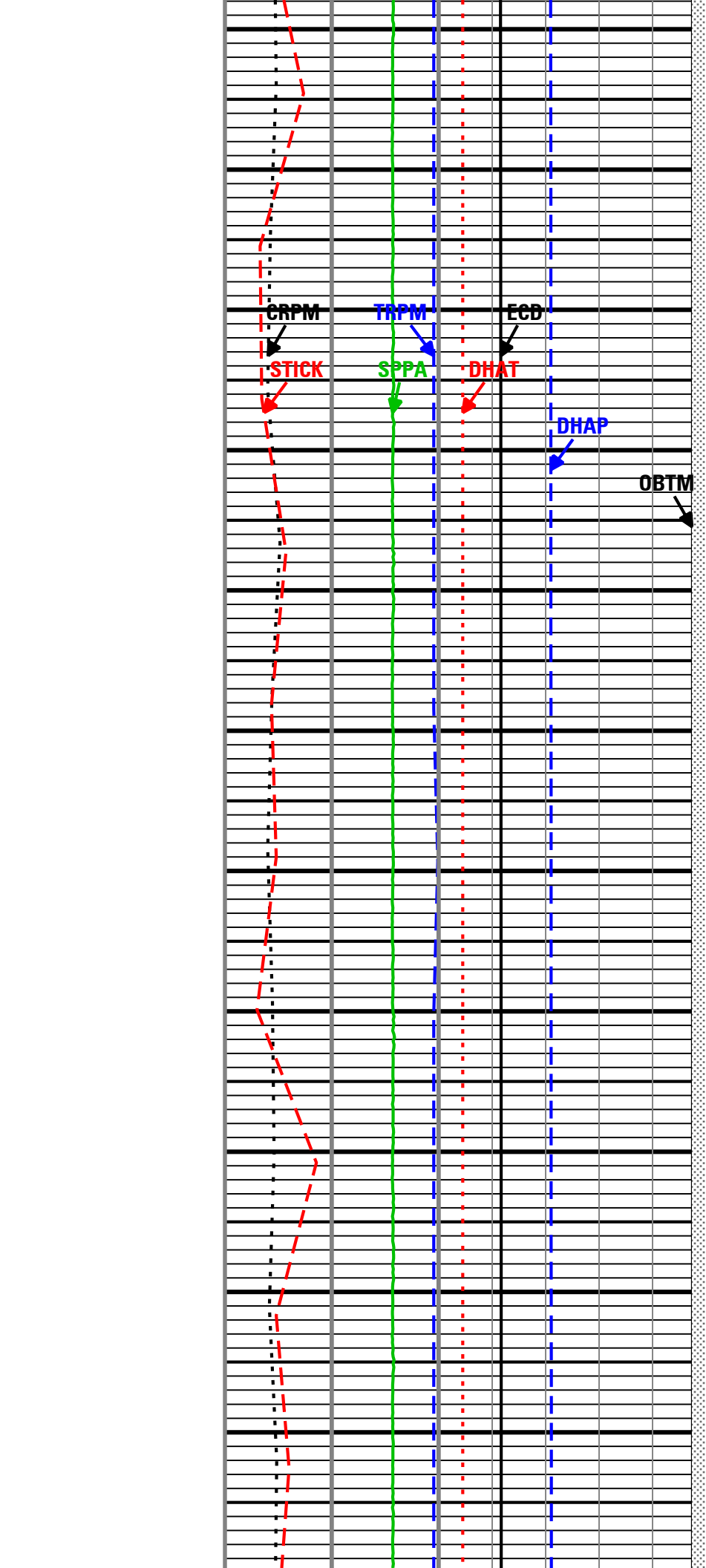
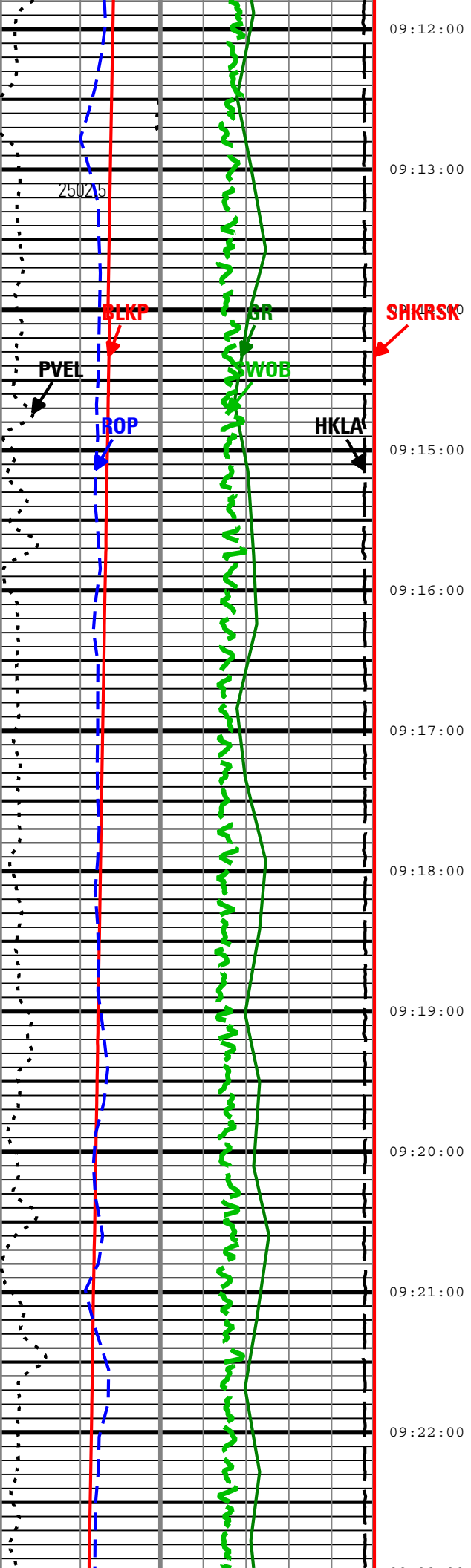


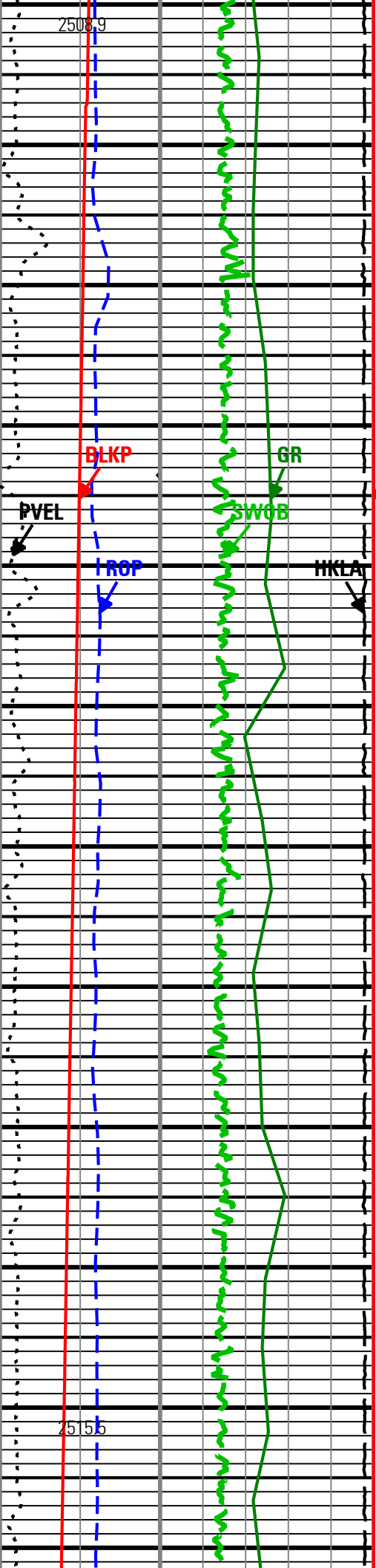


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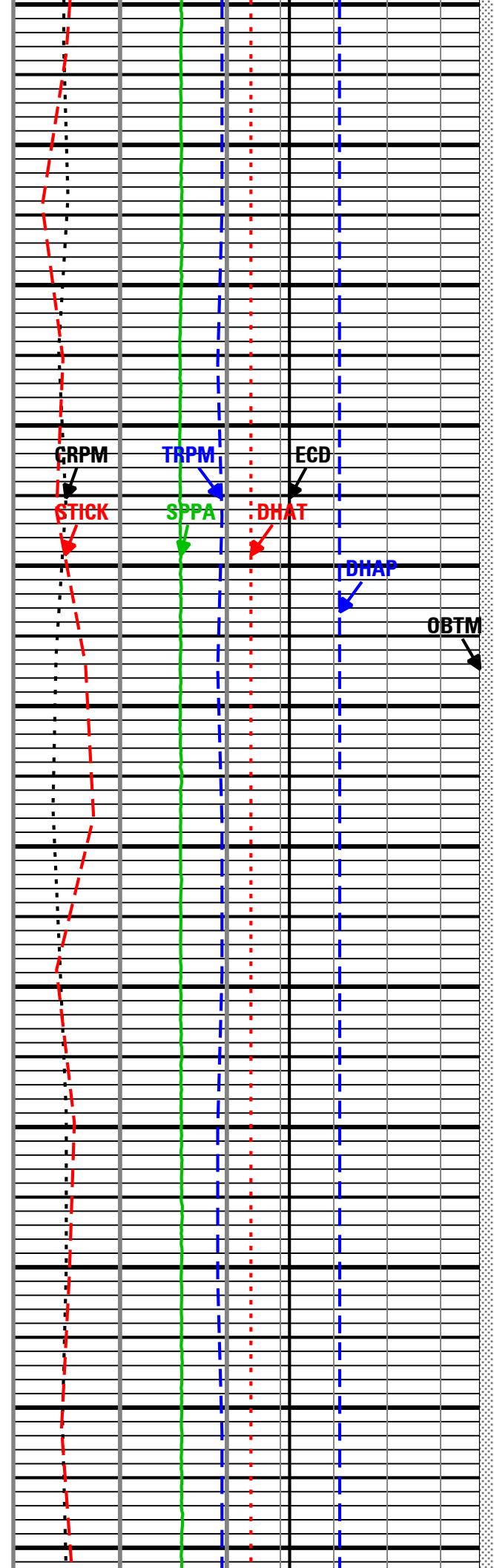
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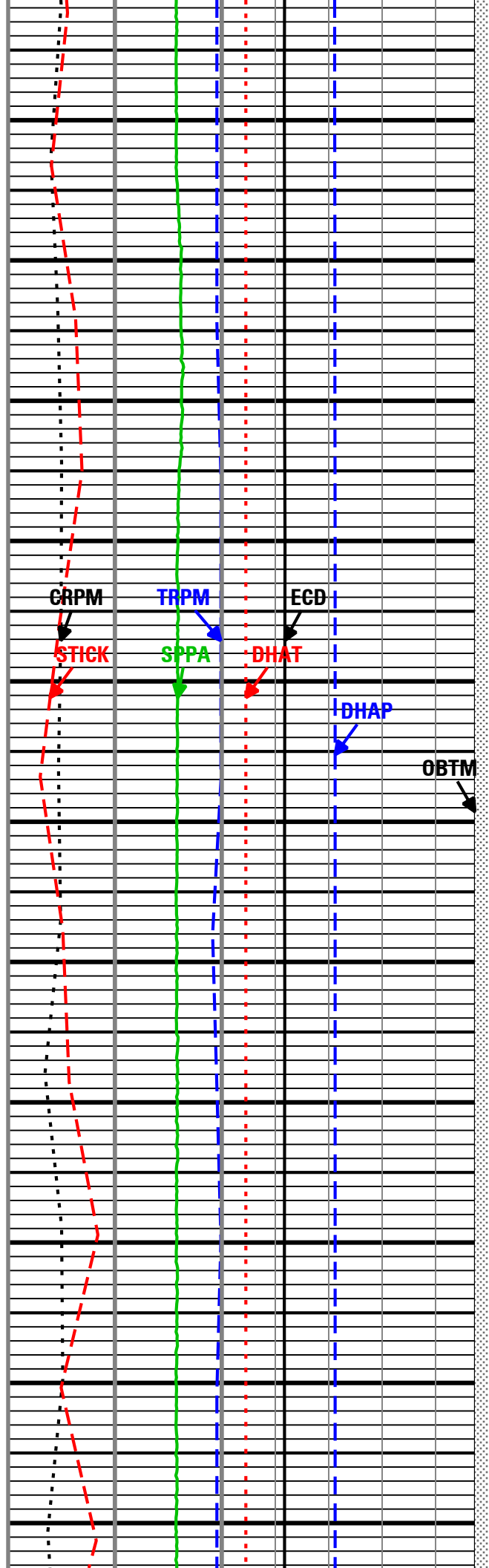
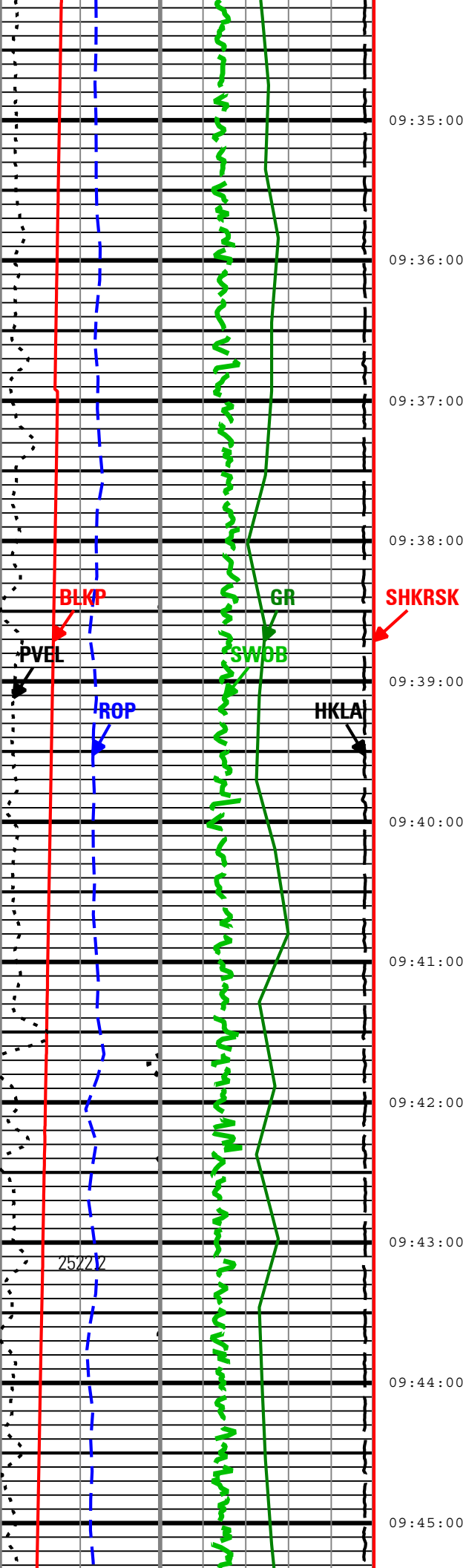
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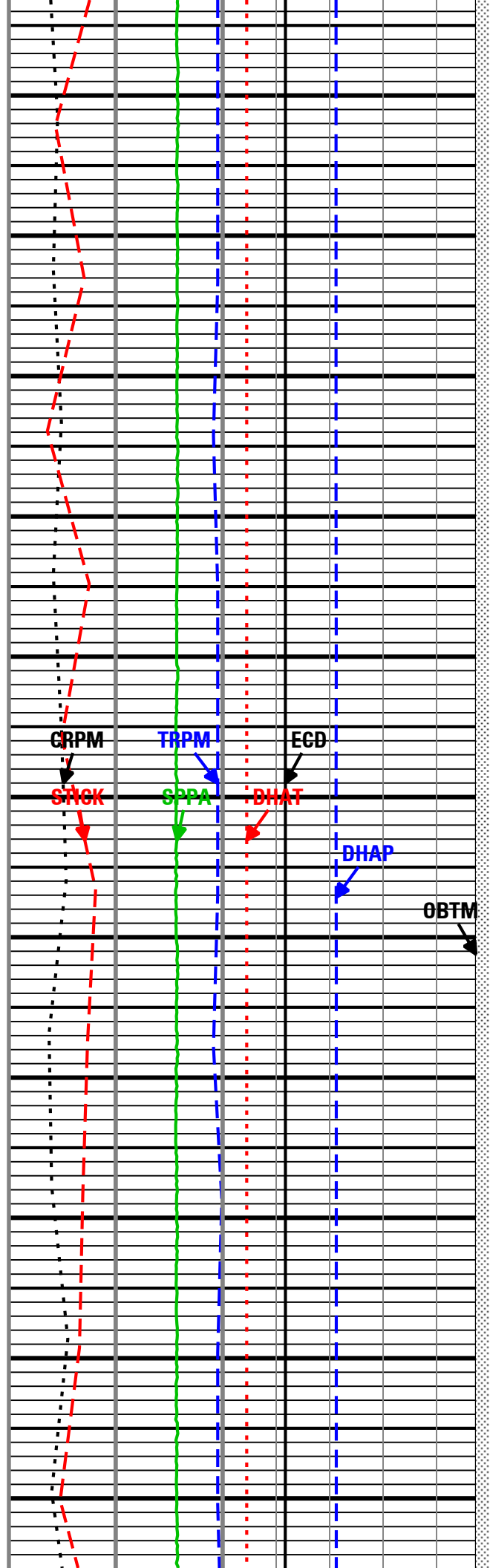
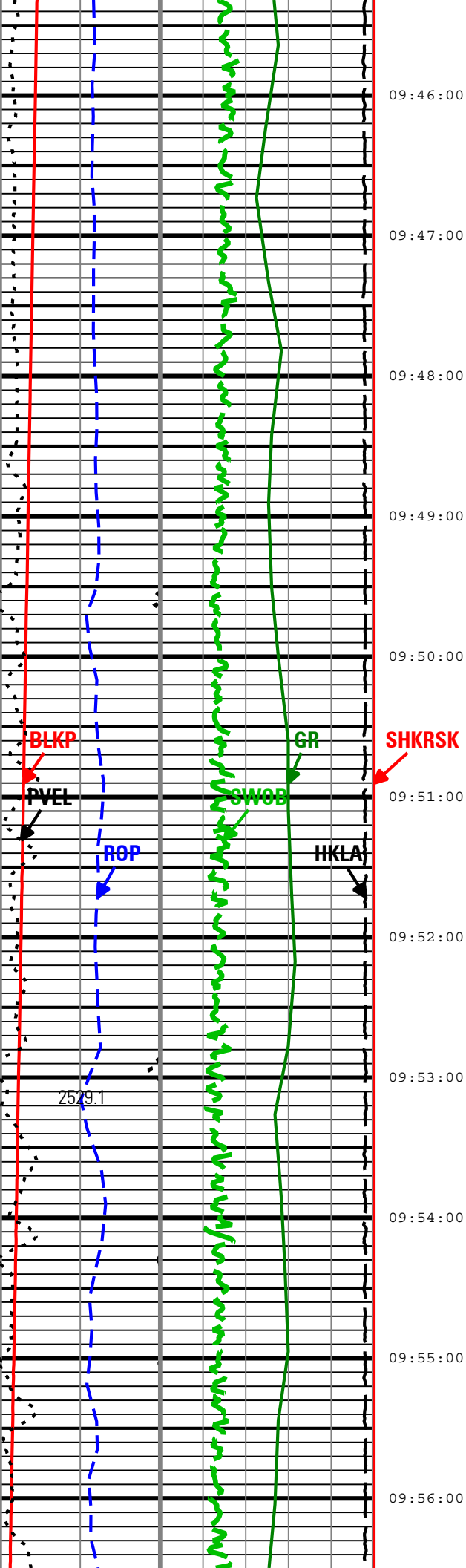
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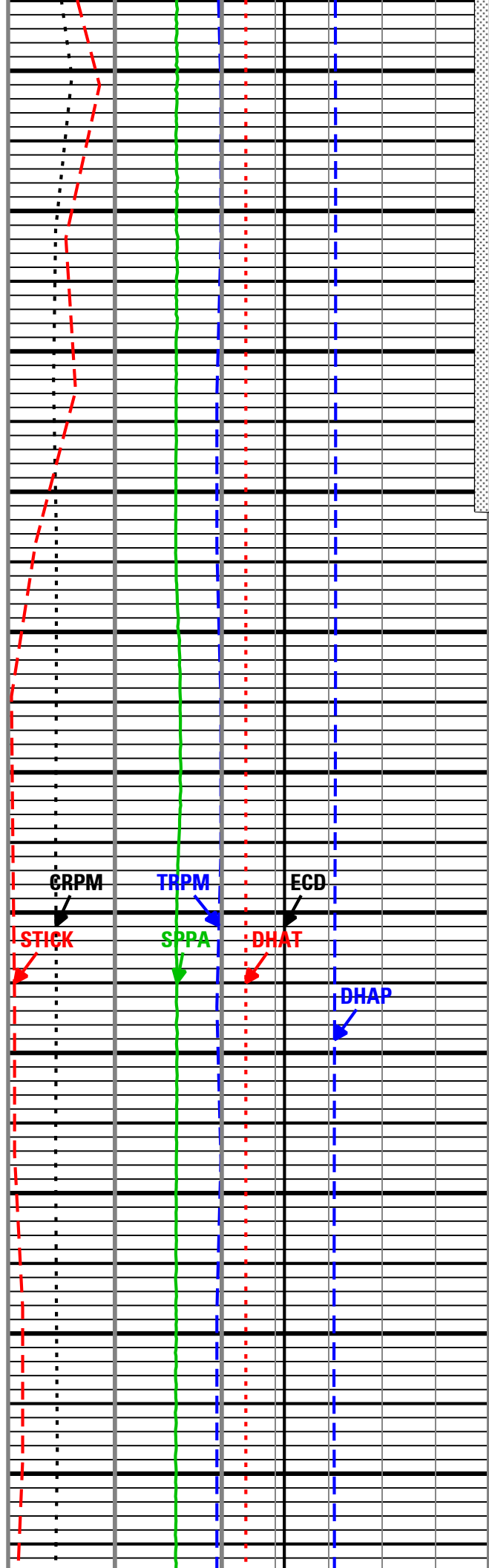
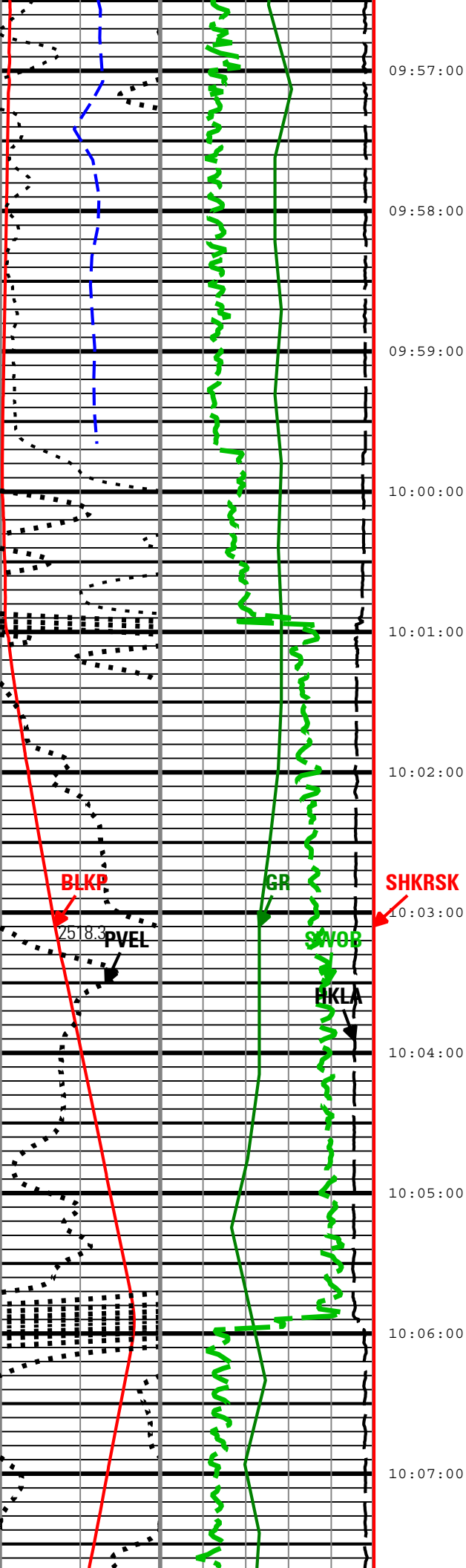
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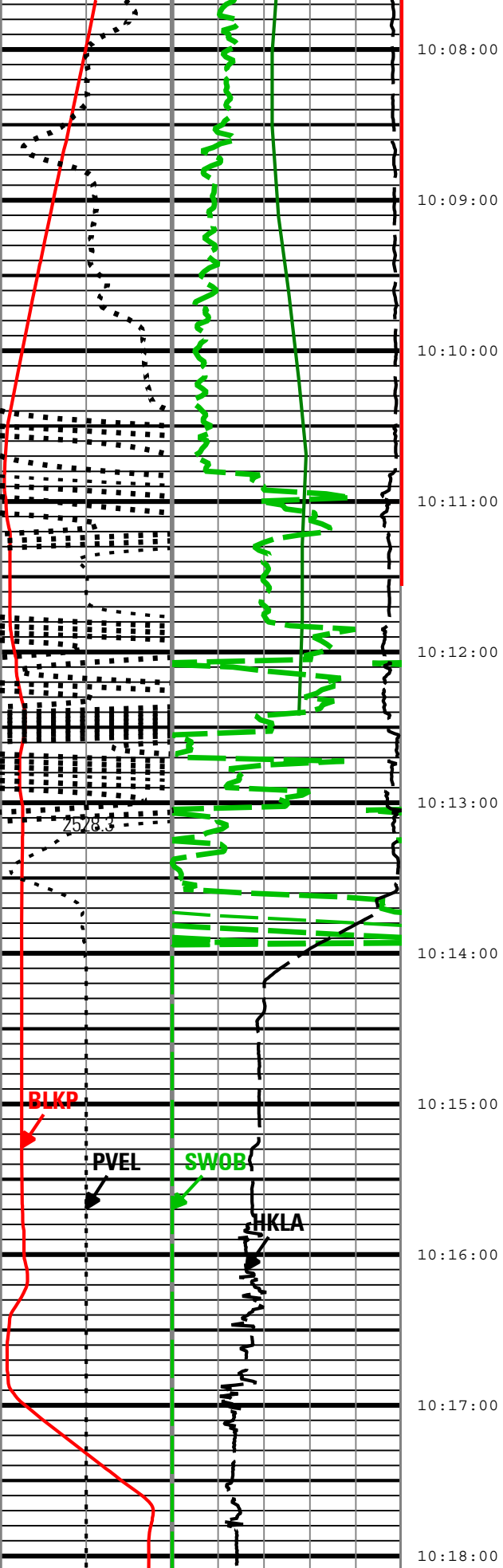
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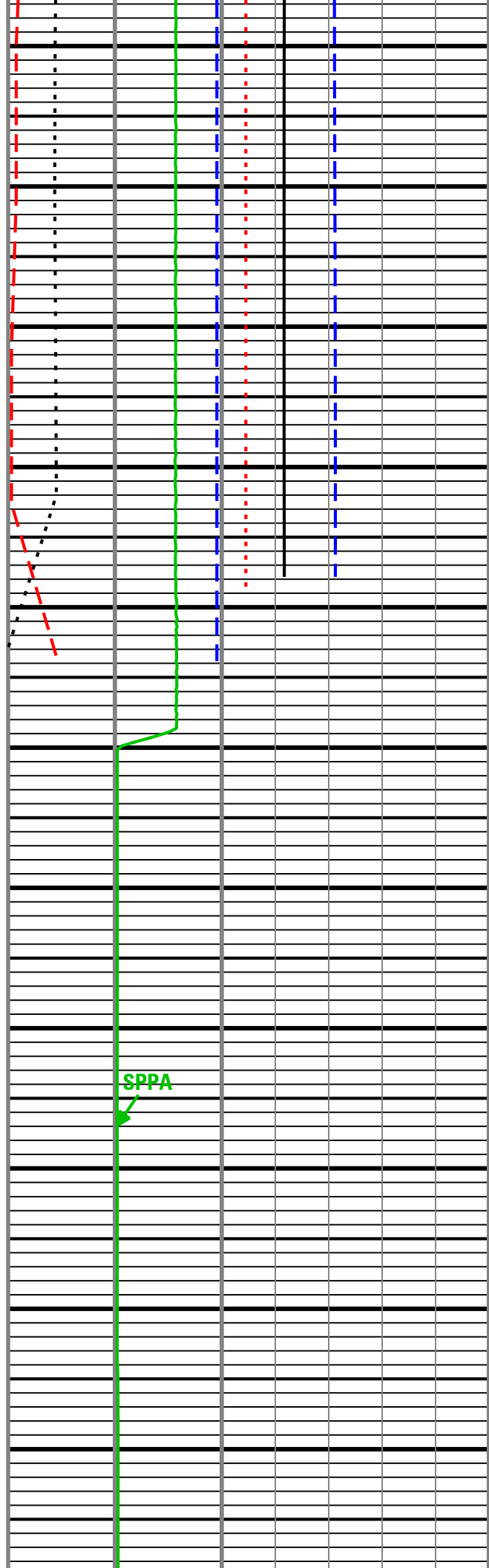




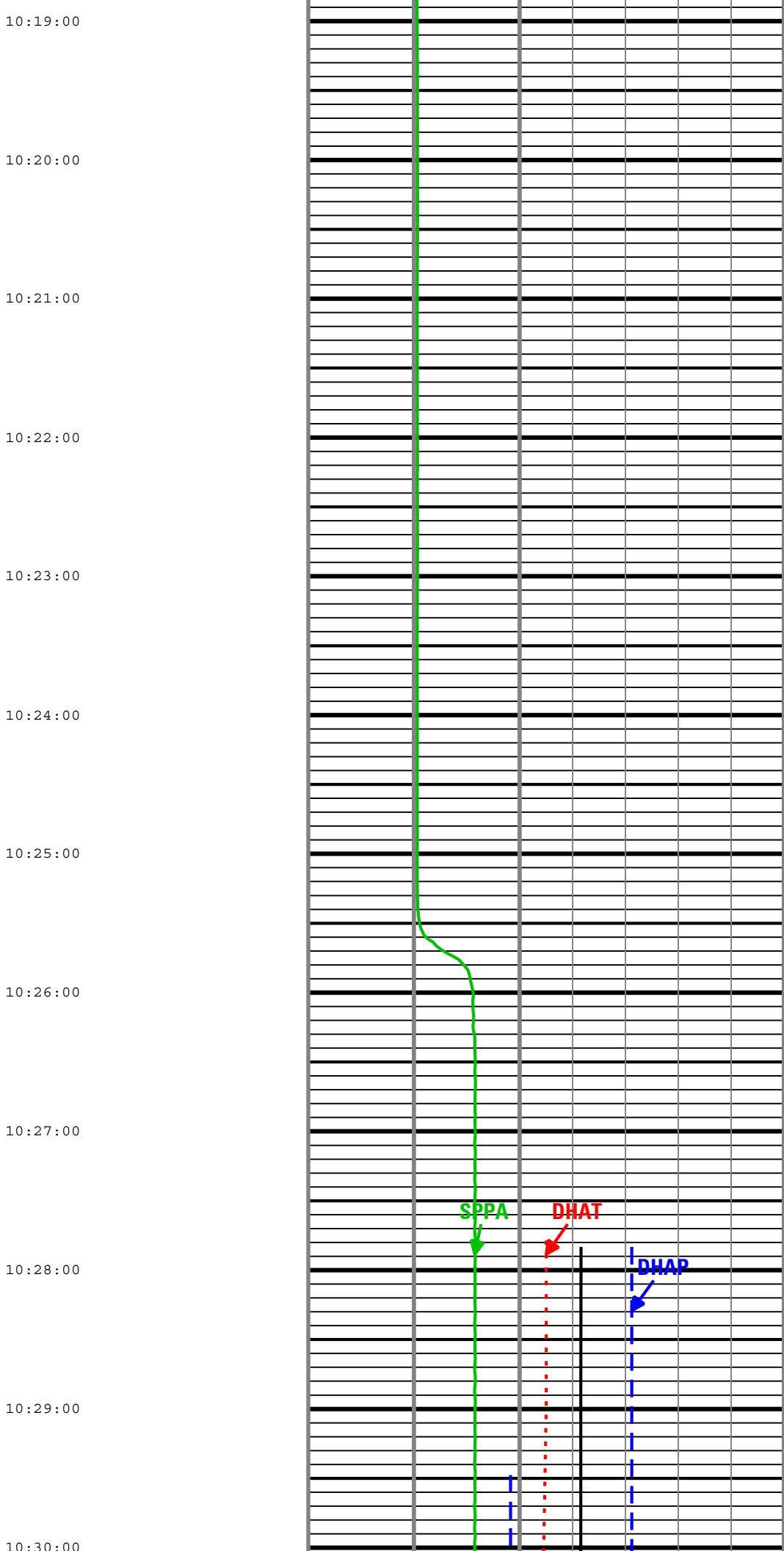
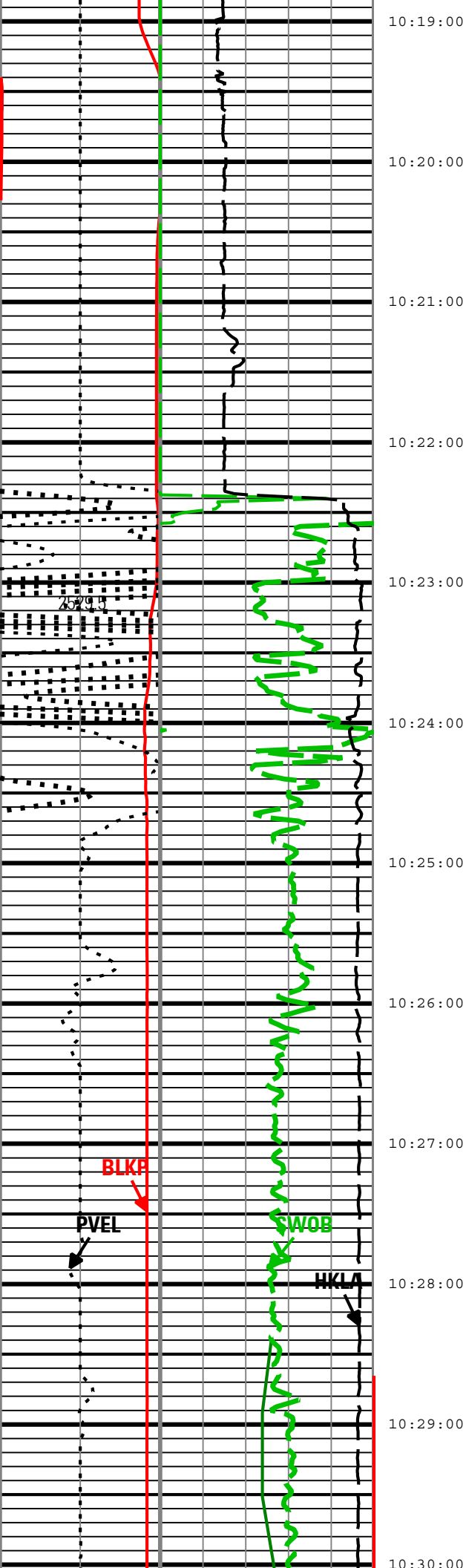


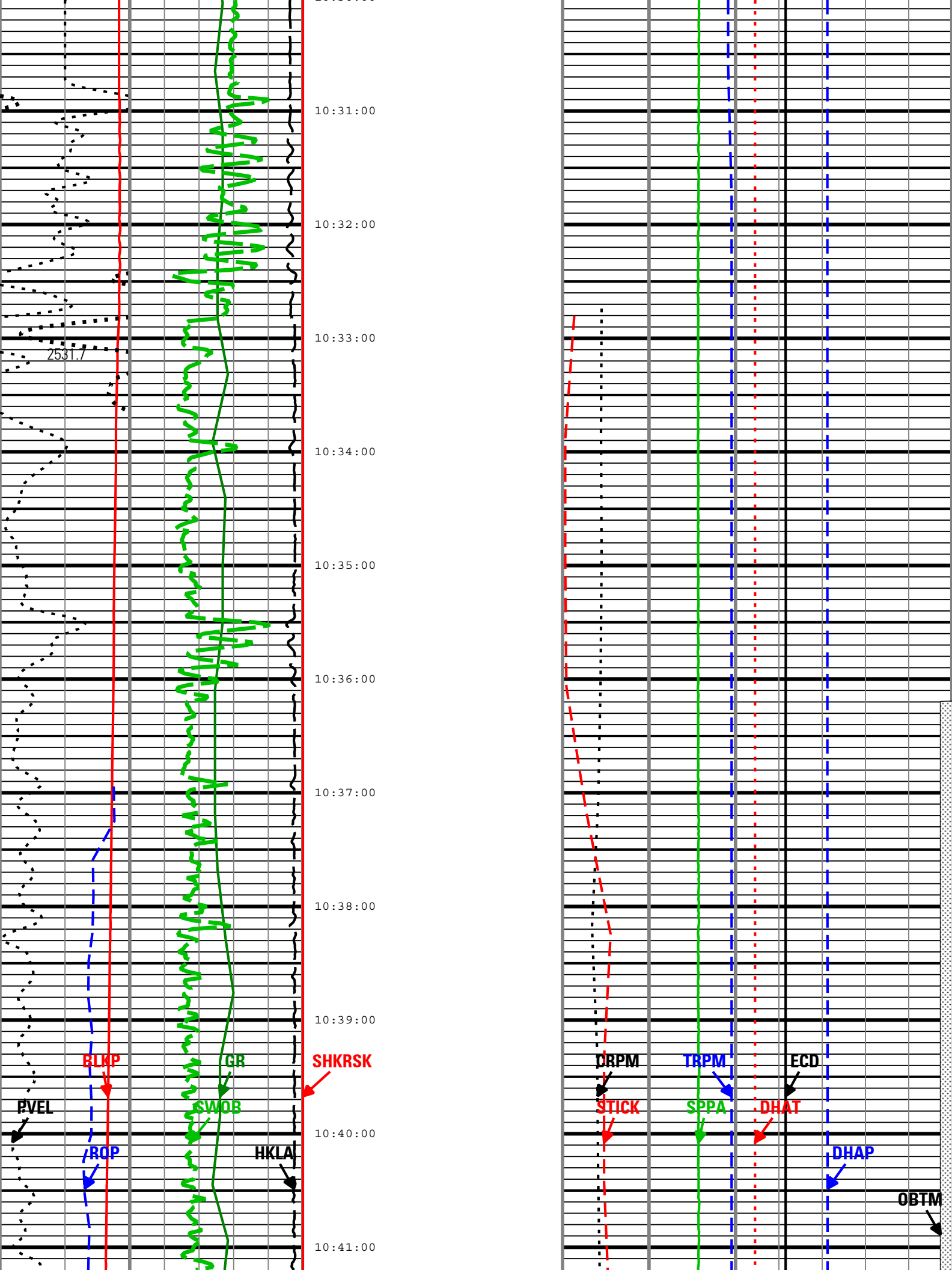


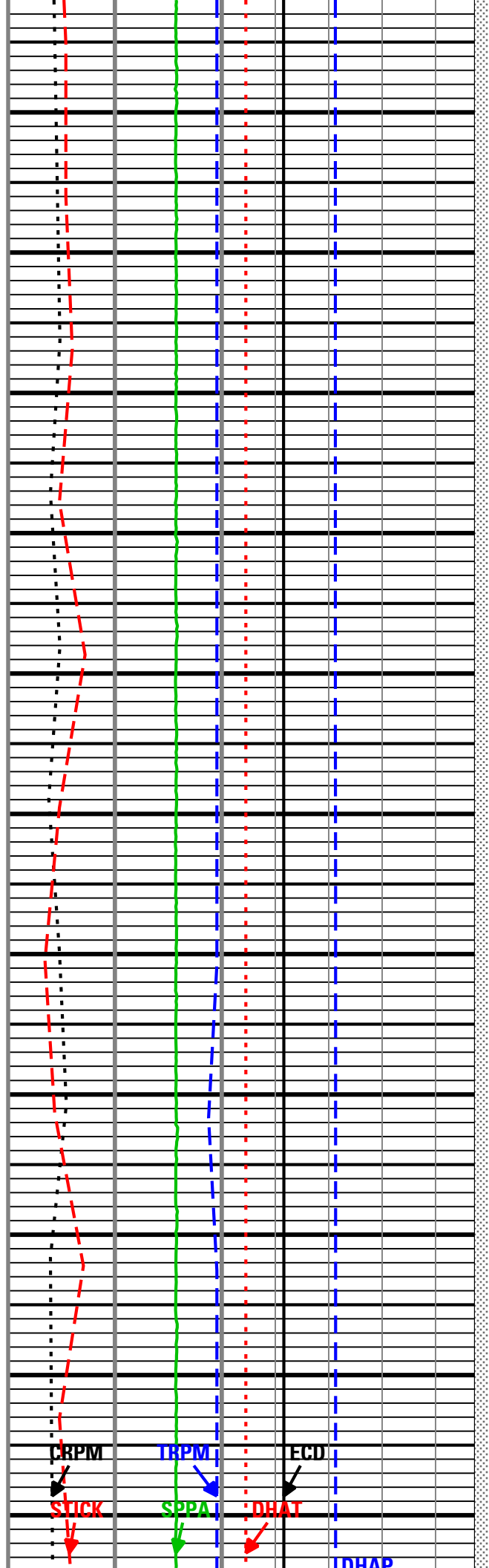
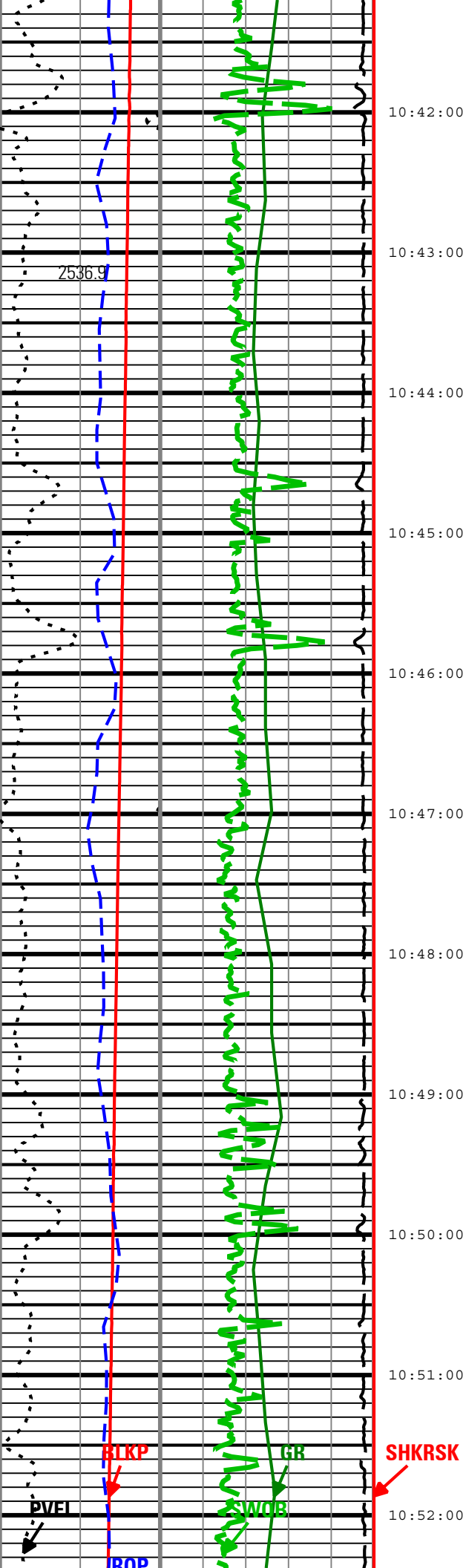
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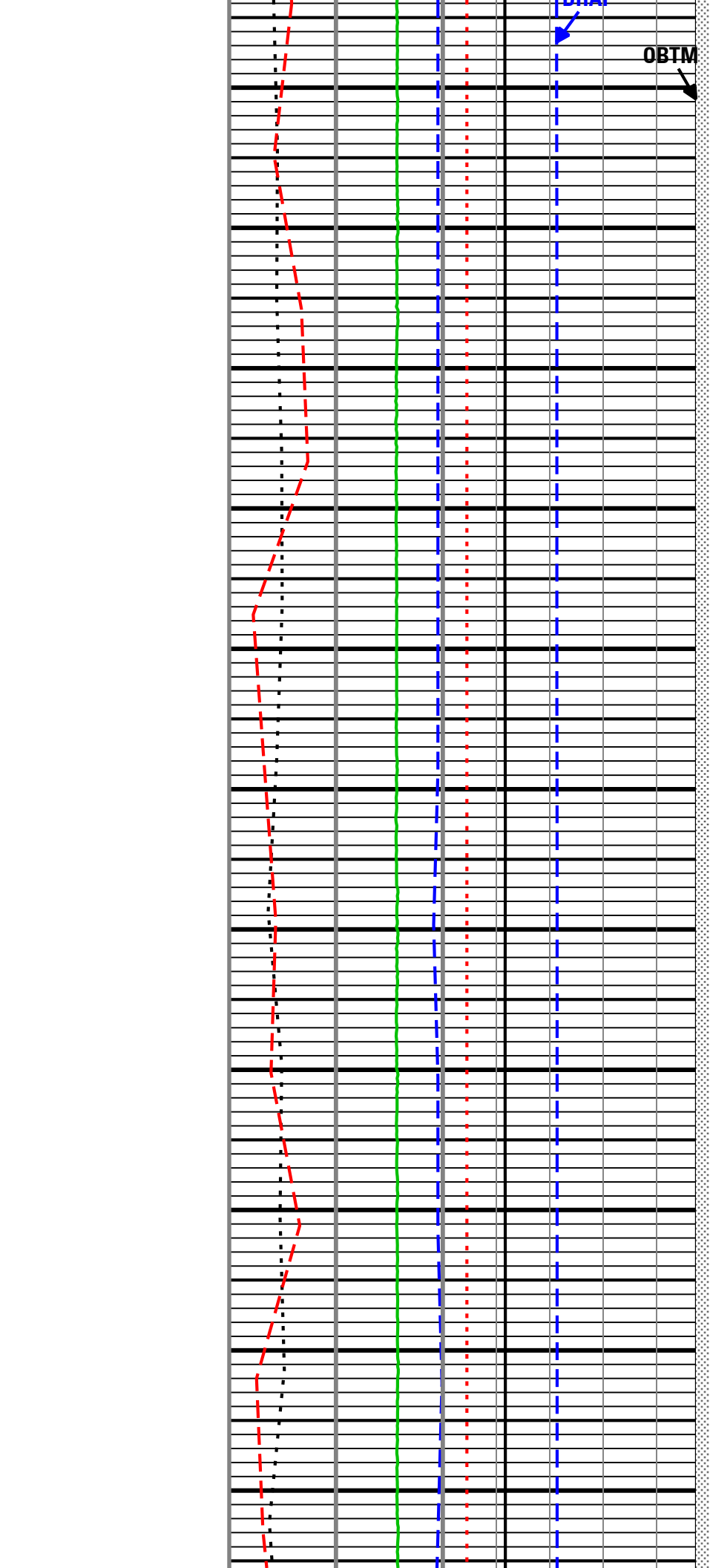
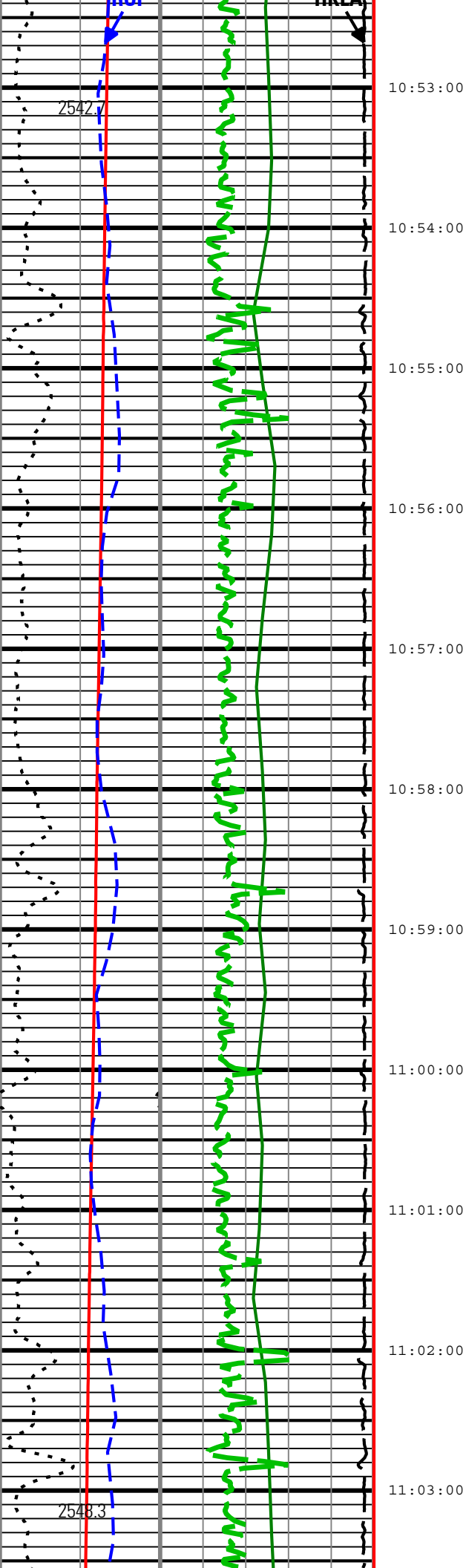


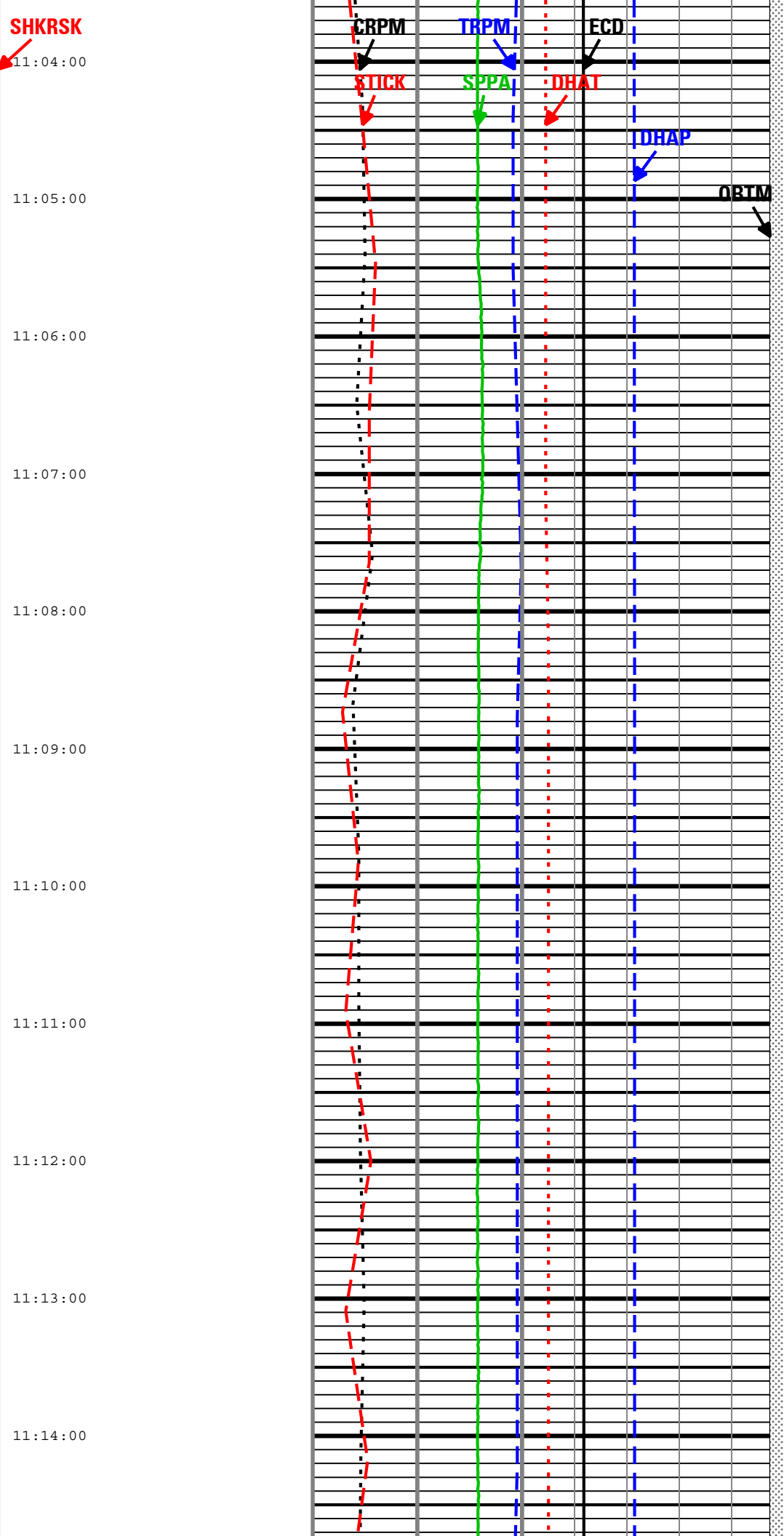
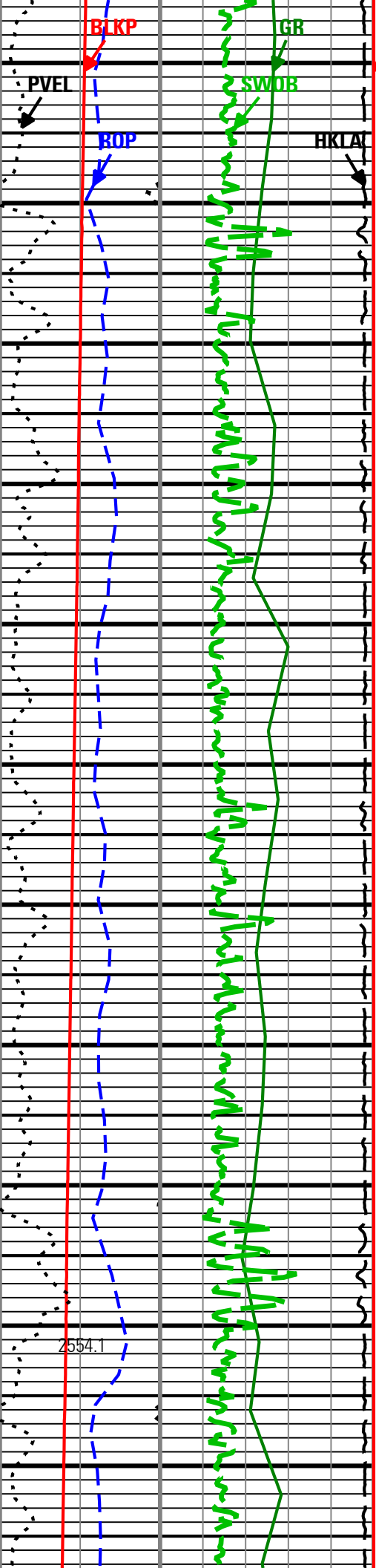
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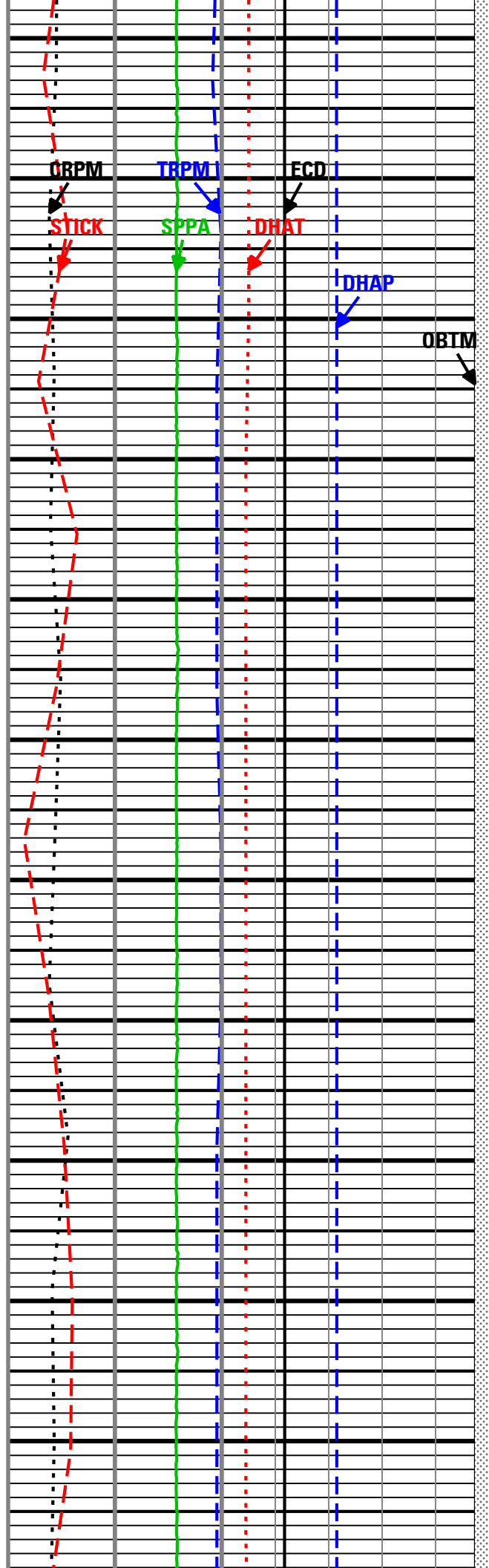
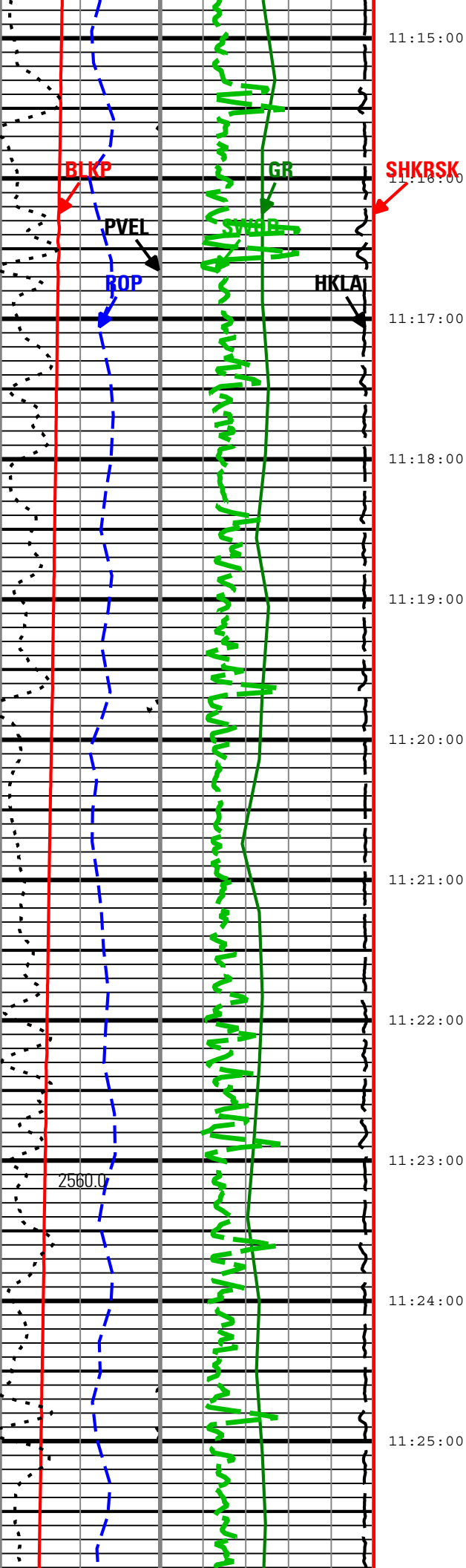


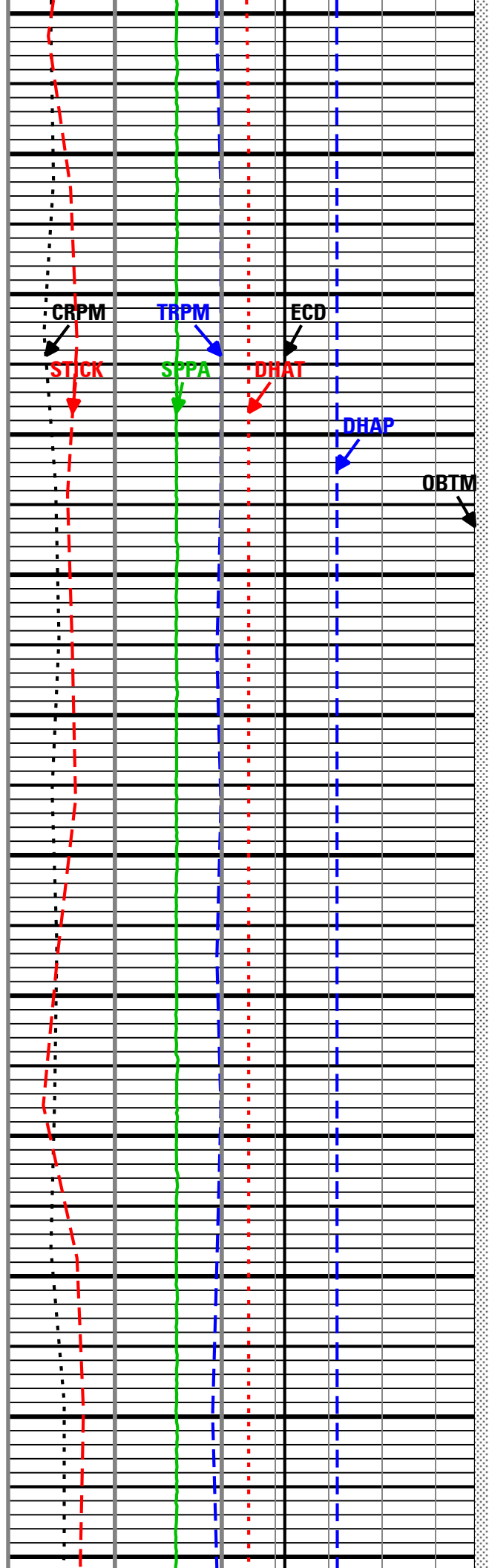
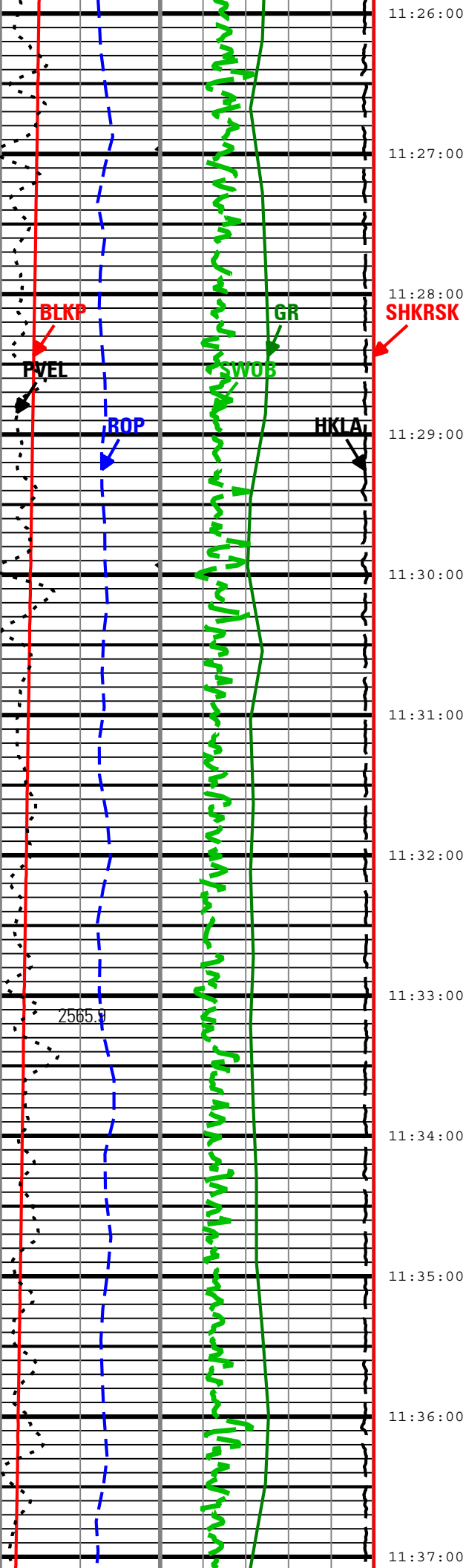


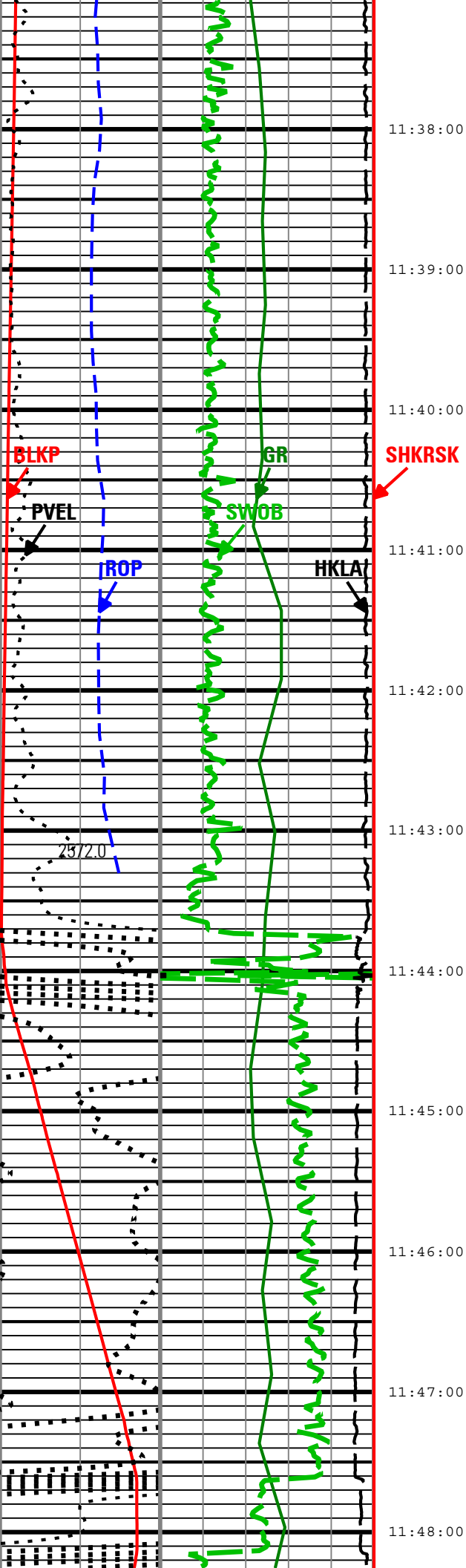




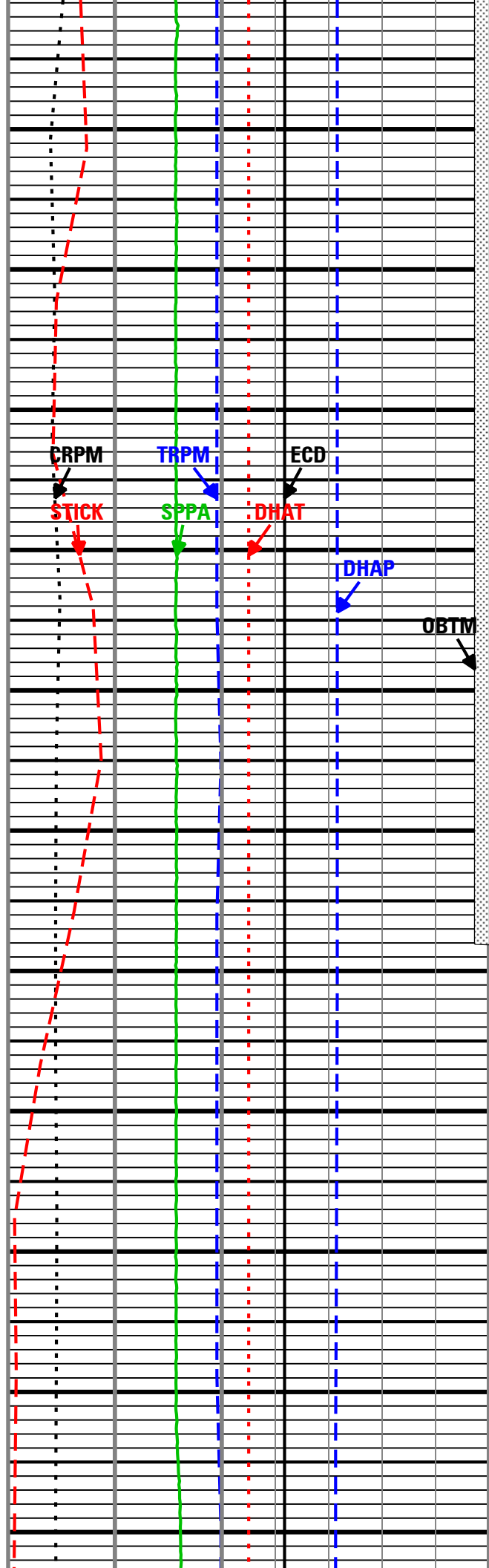




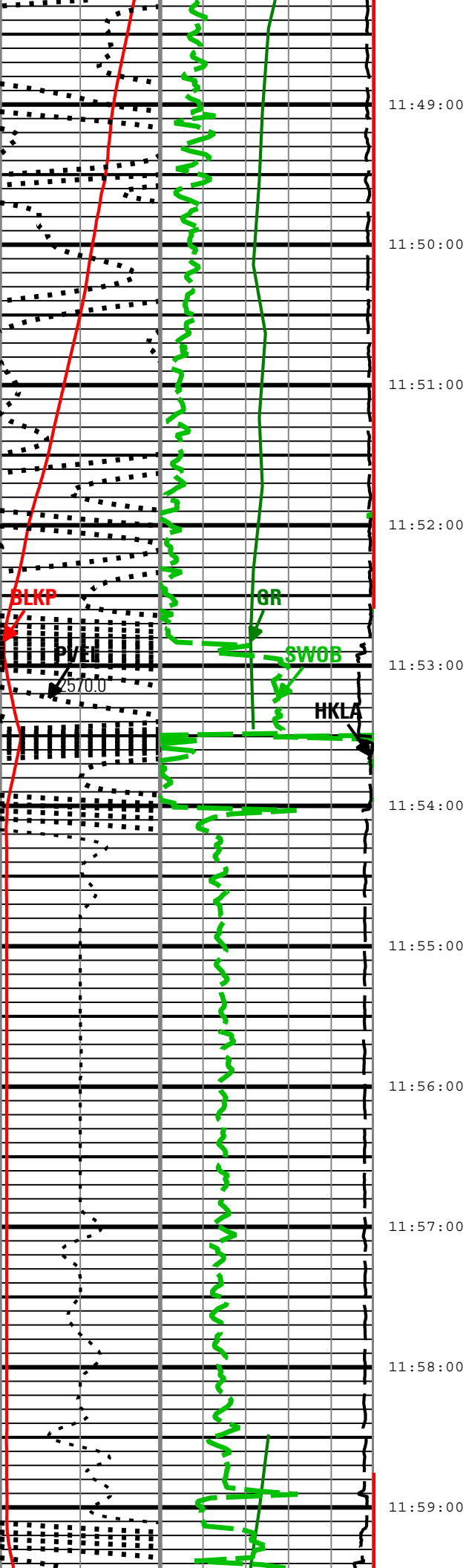




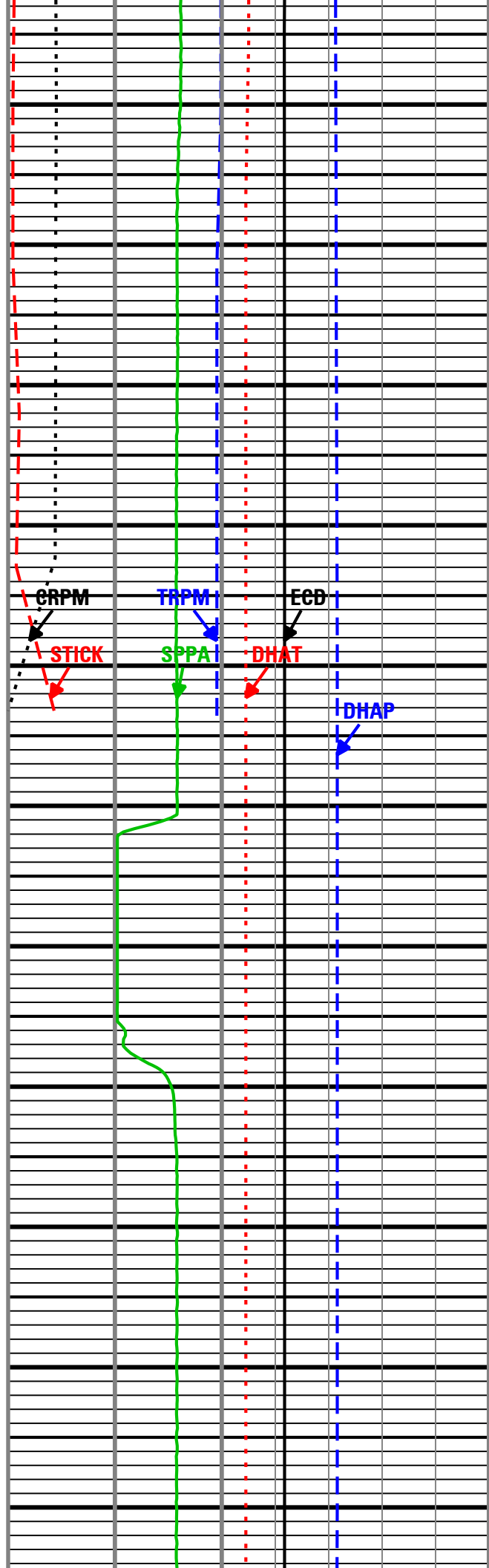
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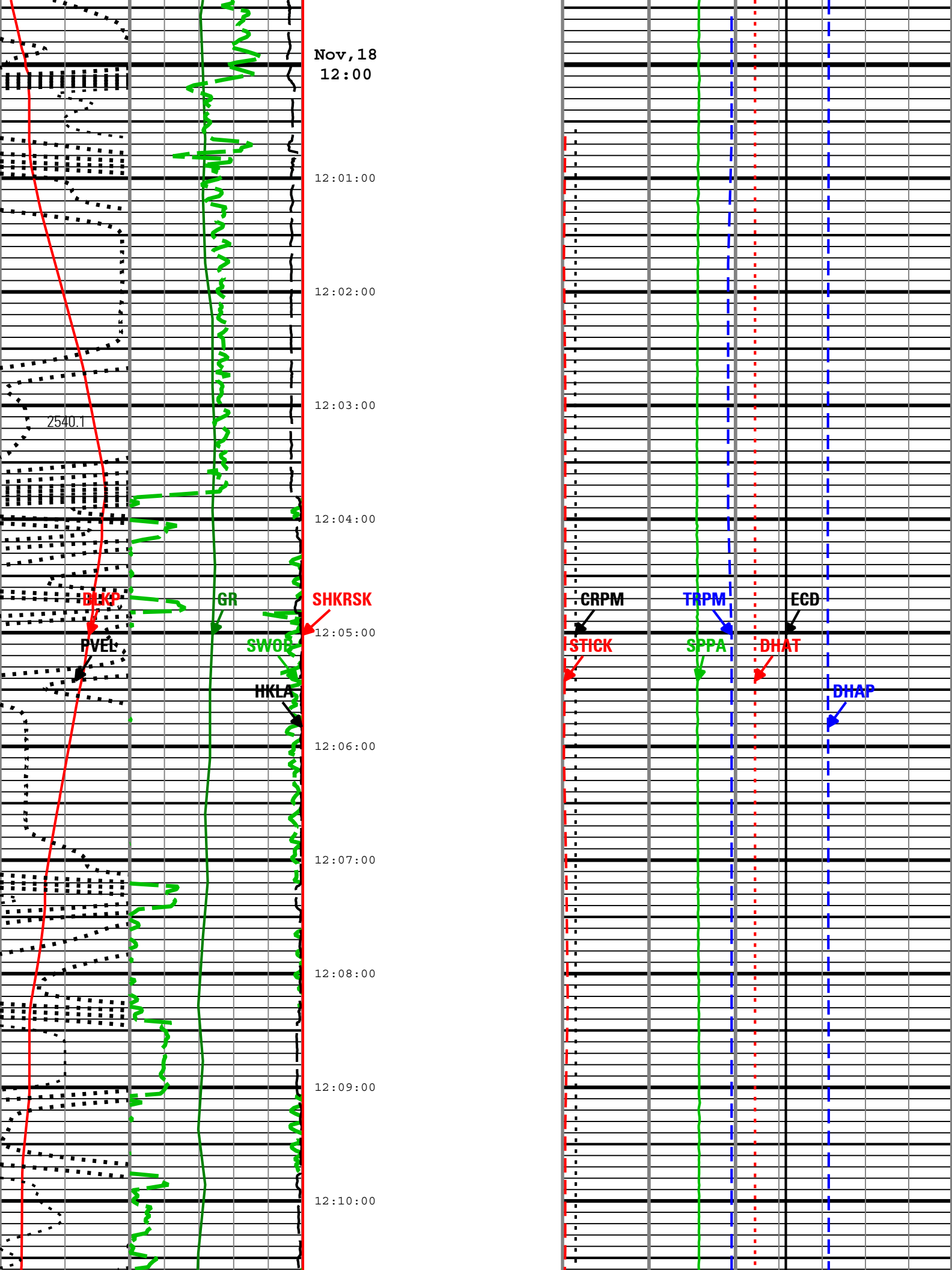
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CRPM
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Nov, 18
12:00

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12:04:00

BLIC

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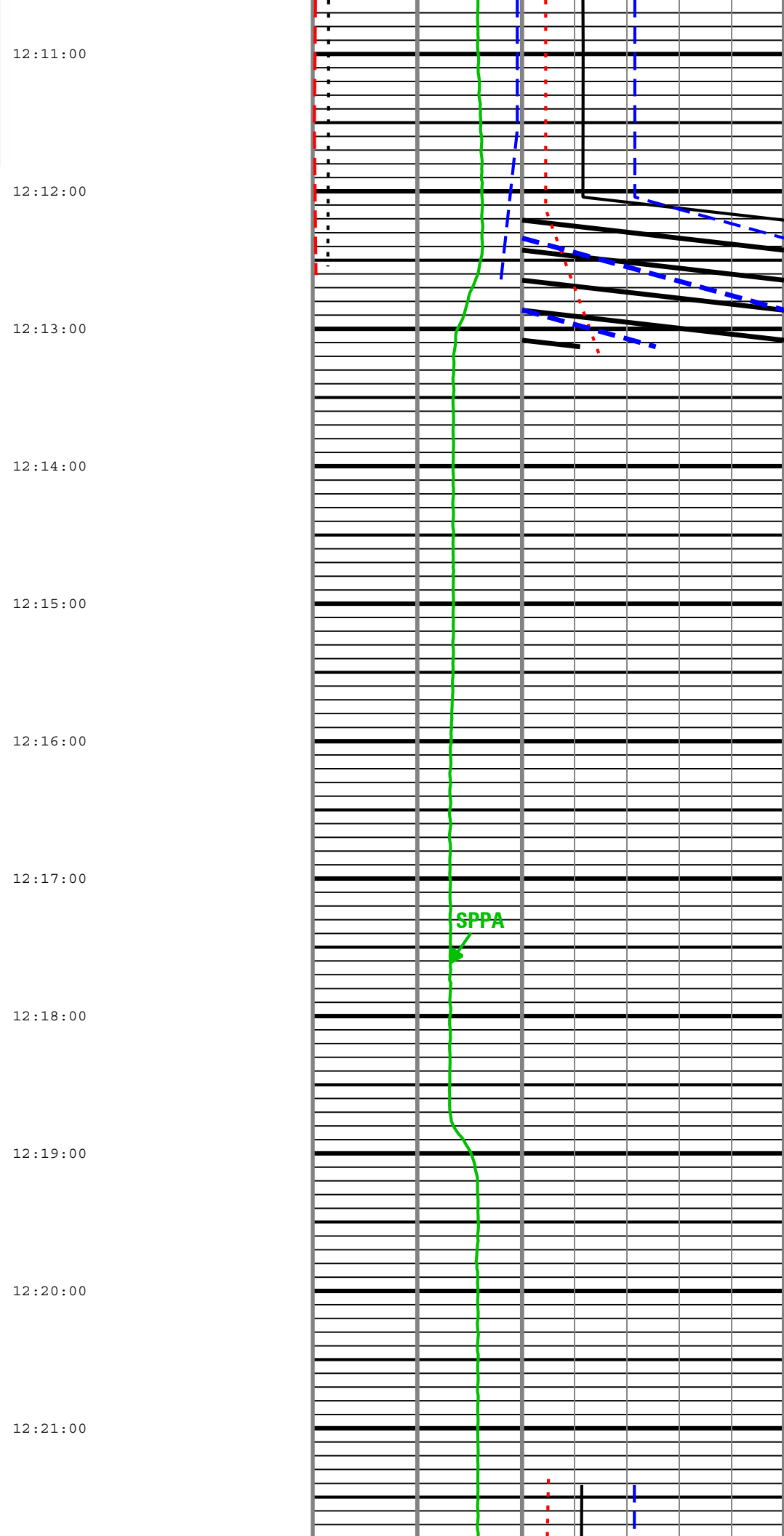
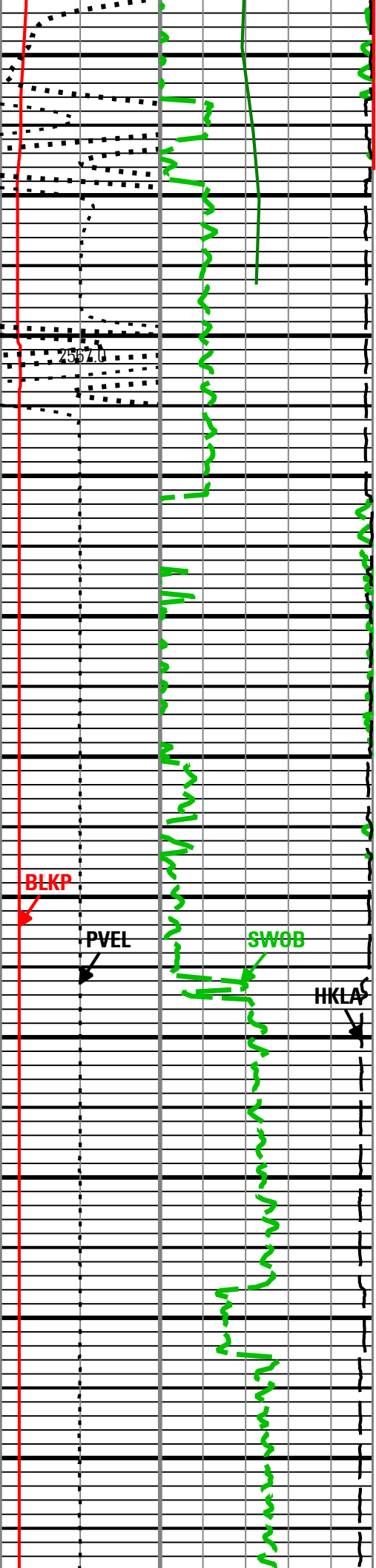
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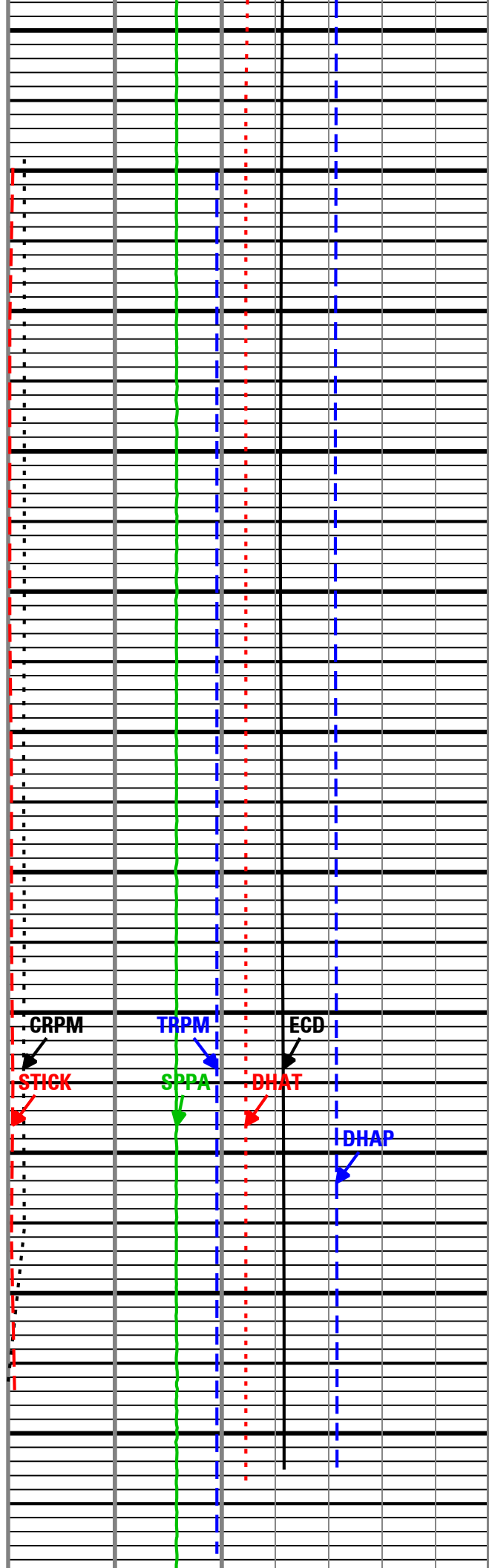
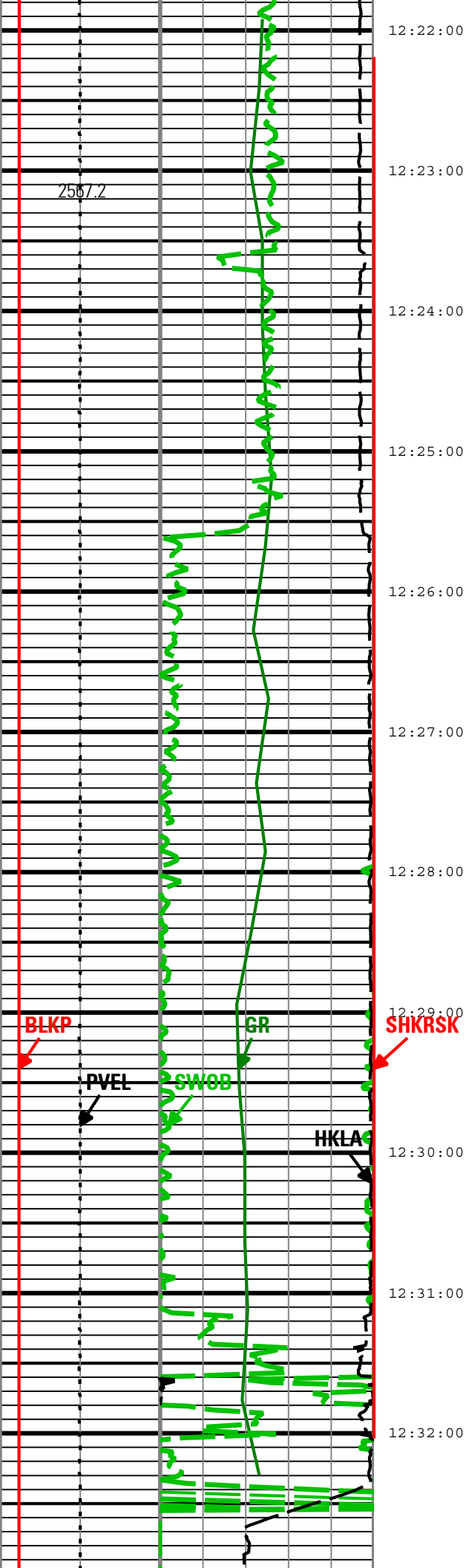
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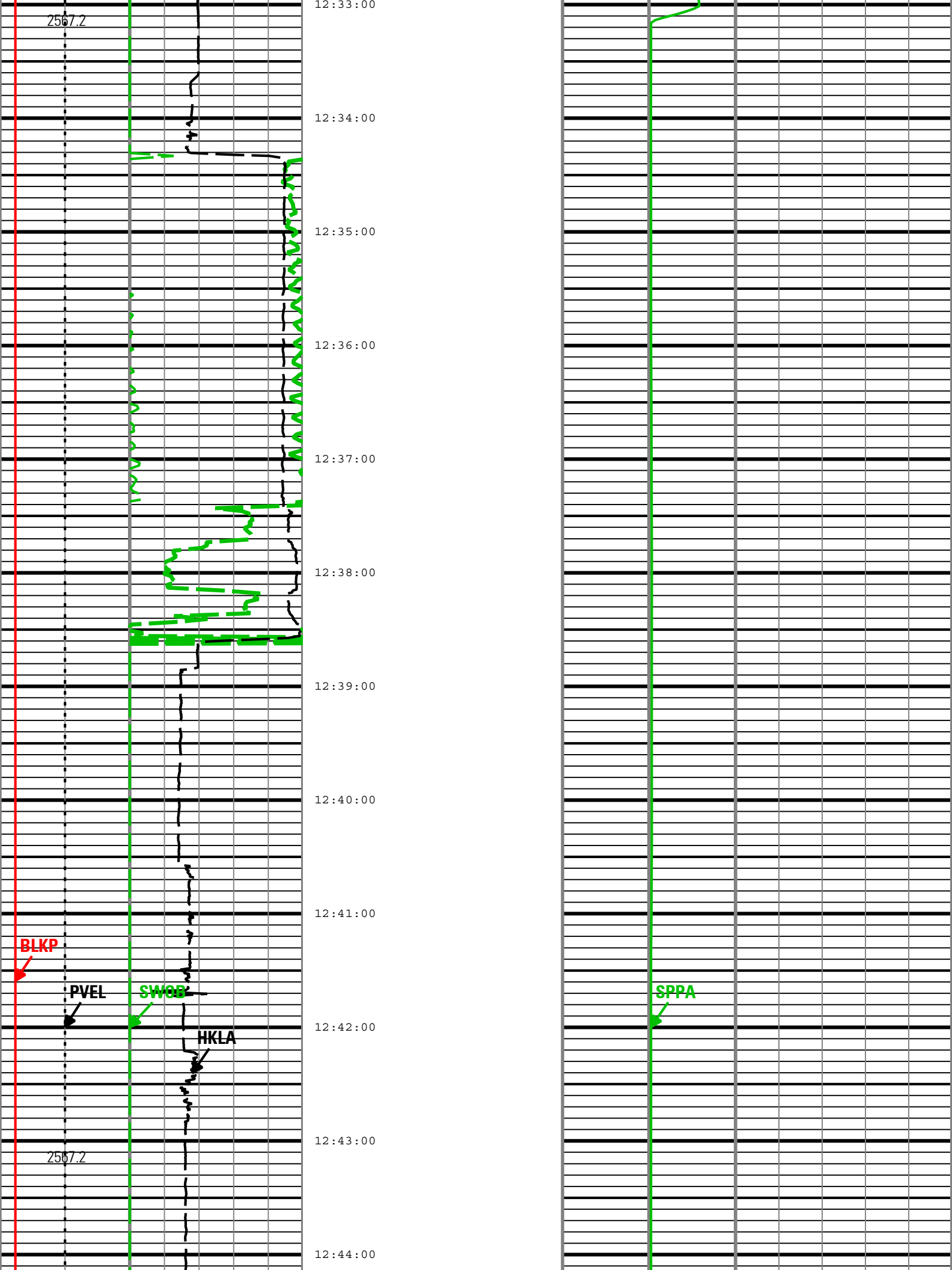
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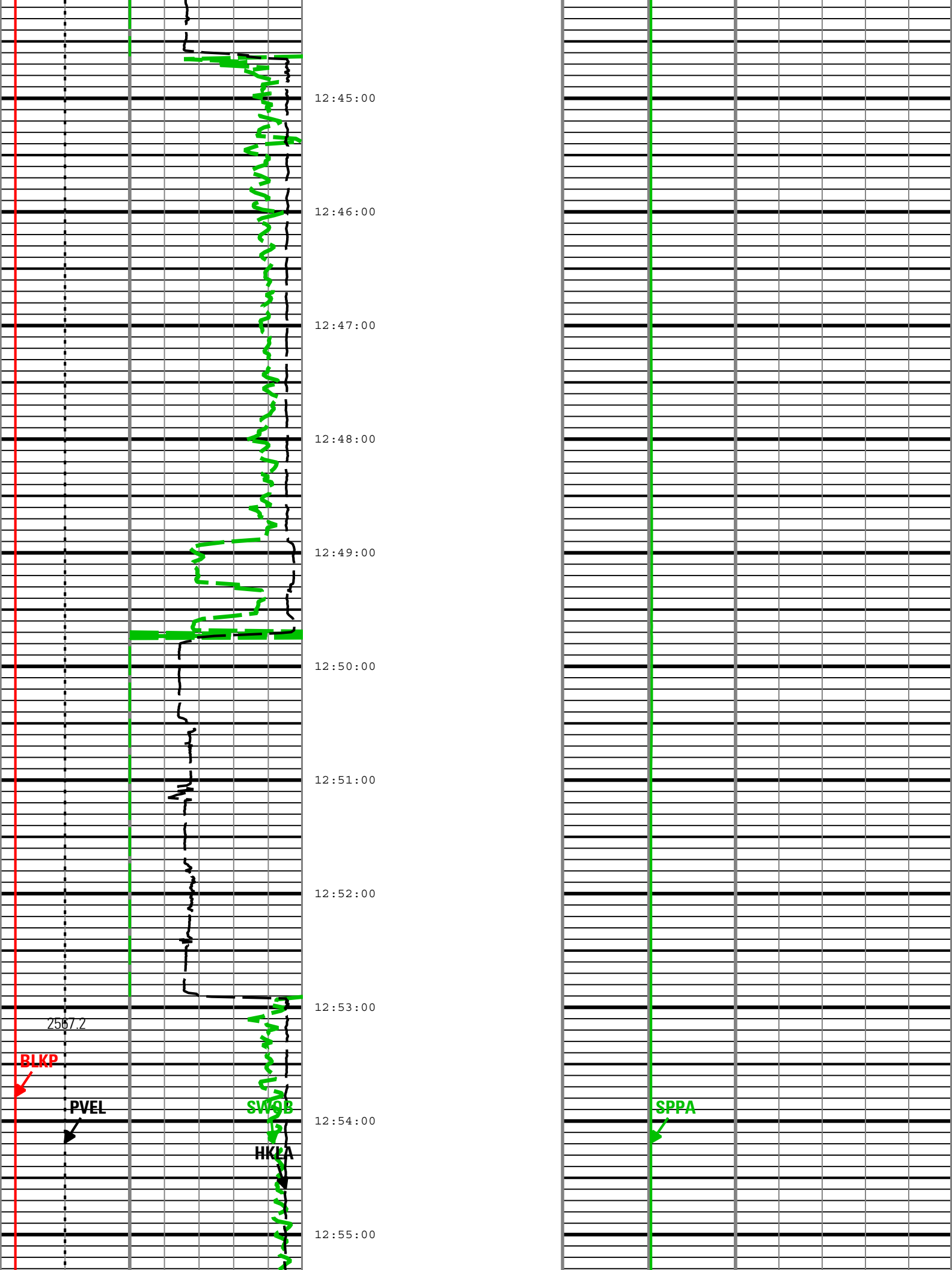
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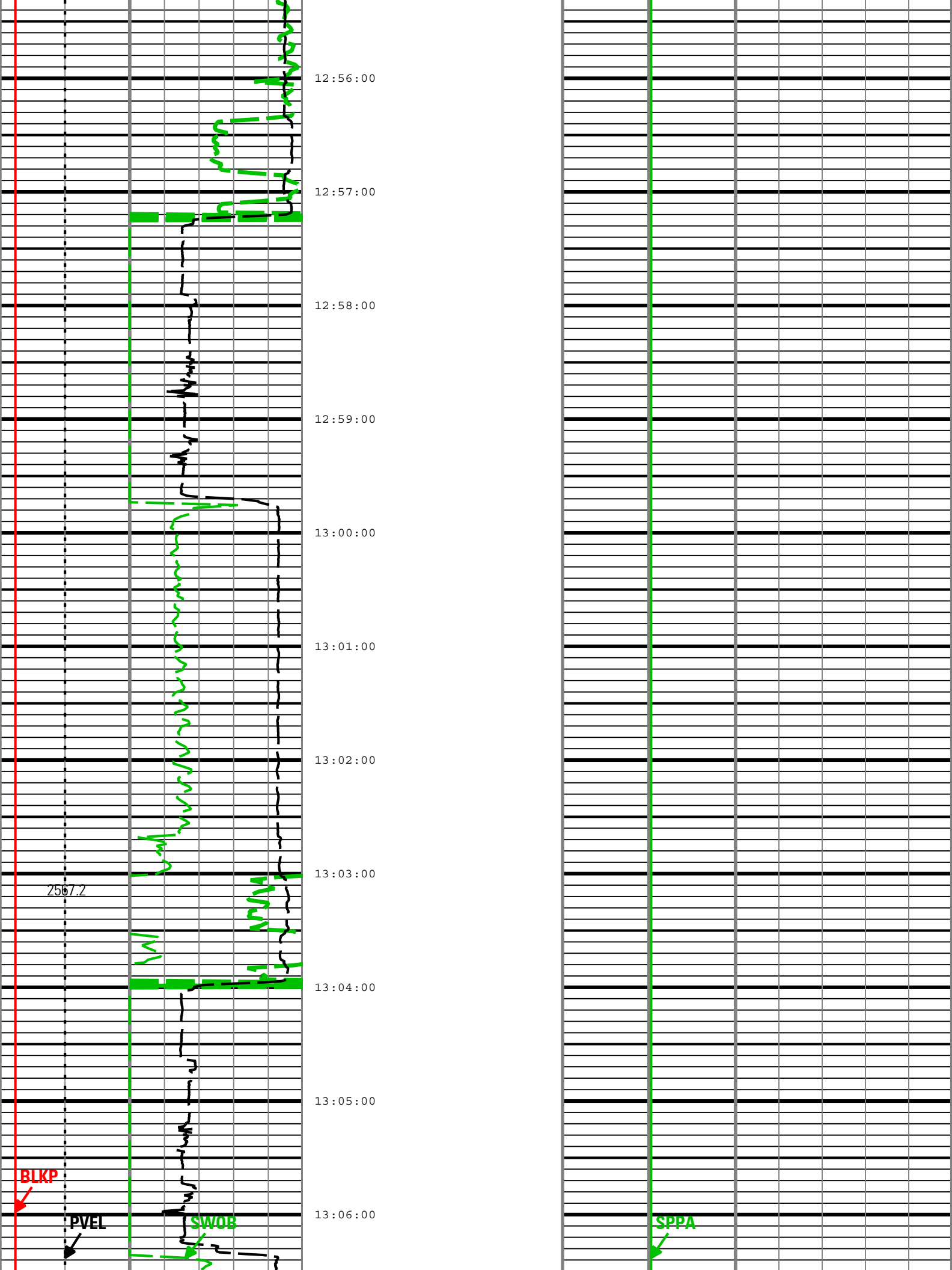
BLKP

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HKPA

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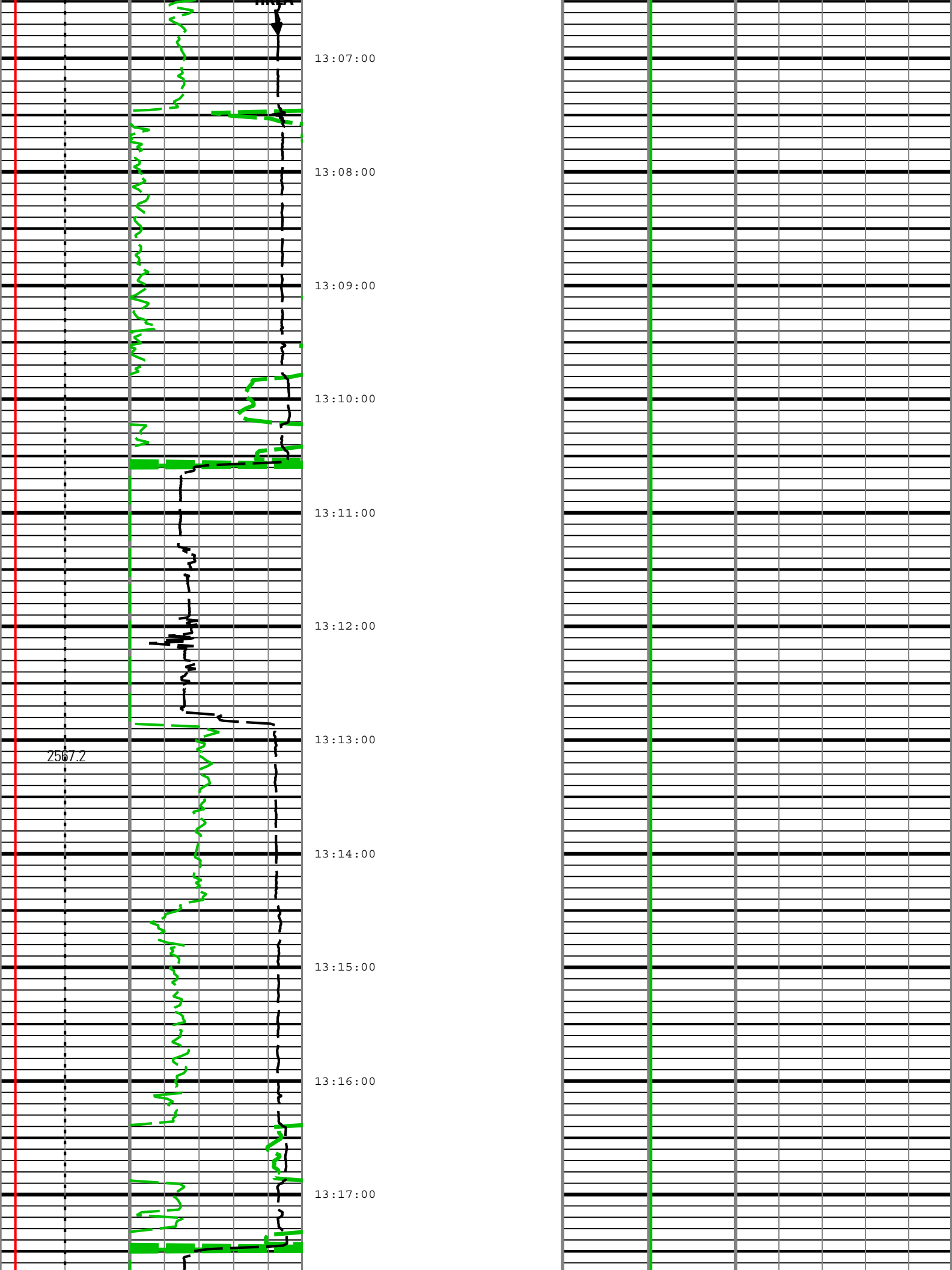
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BLKP

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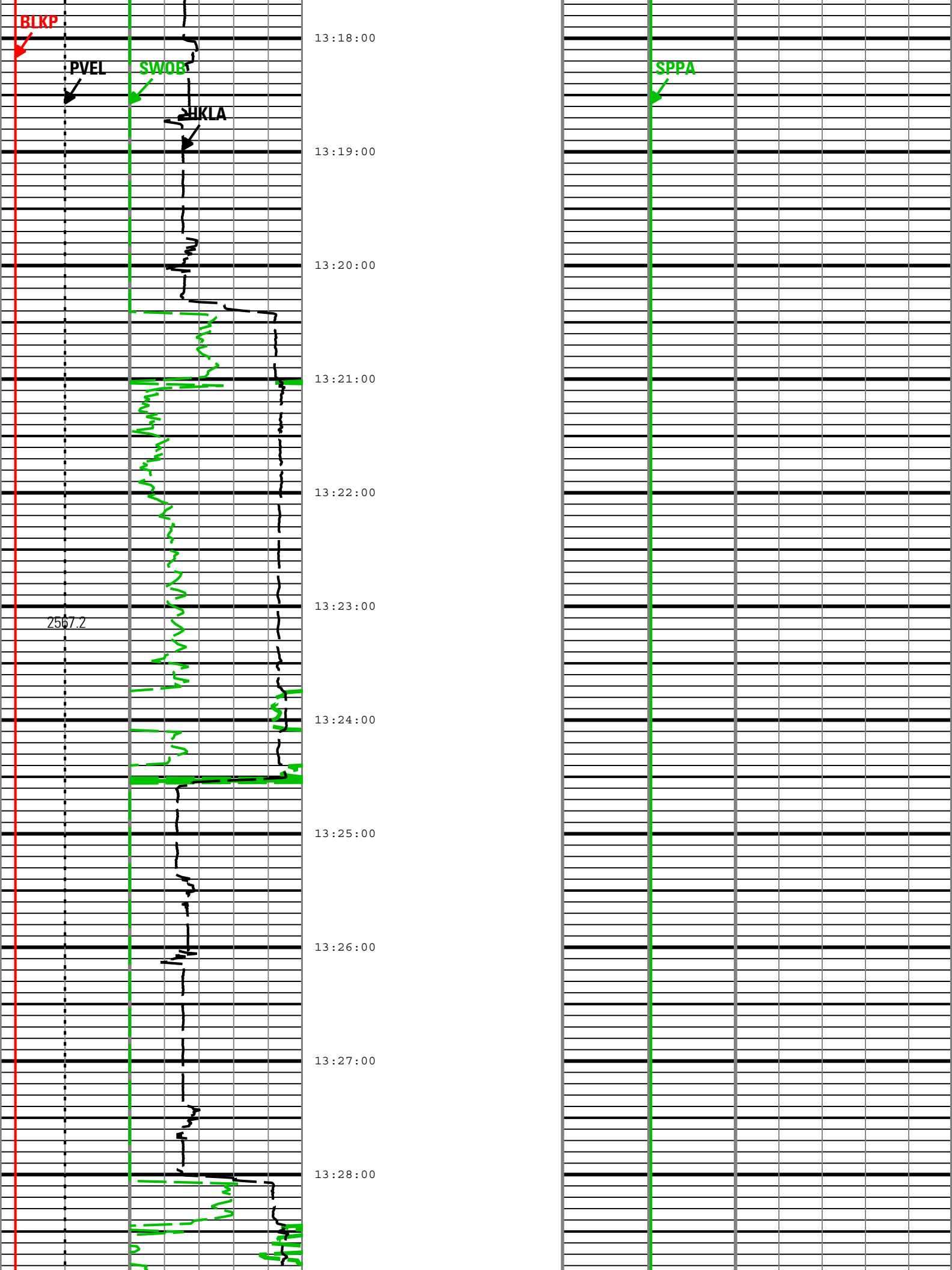
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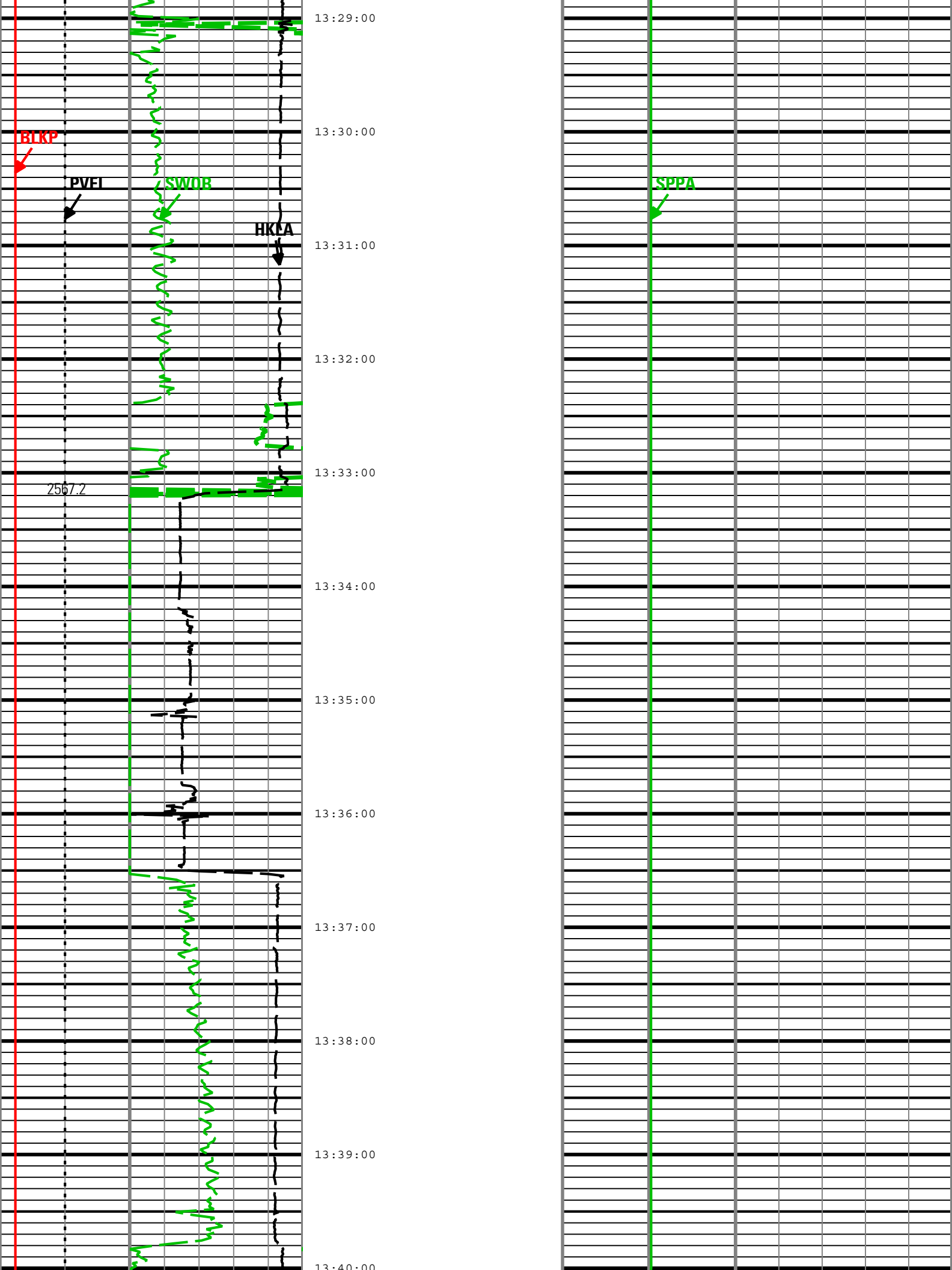
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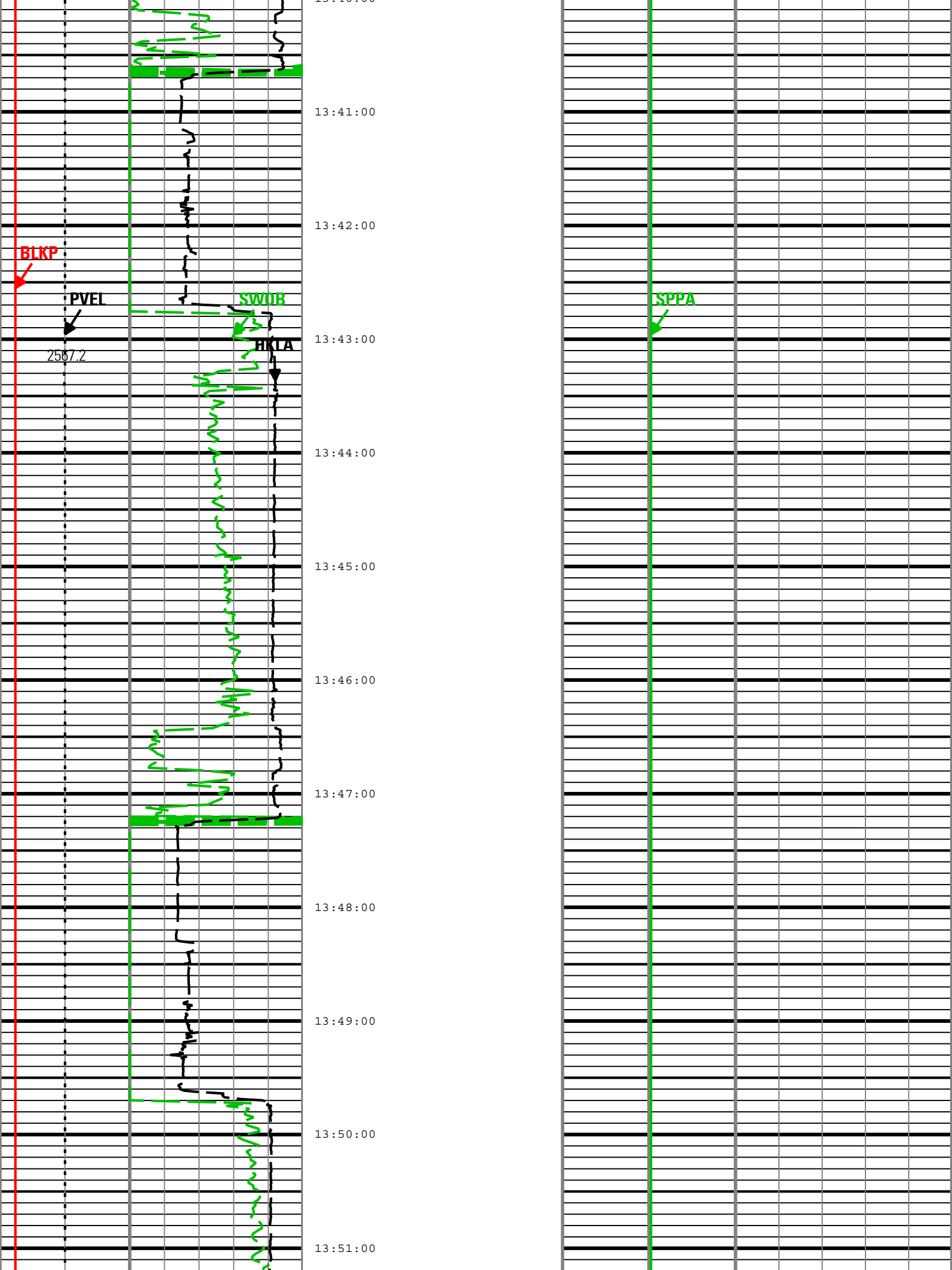
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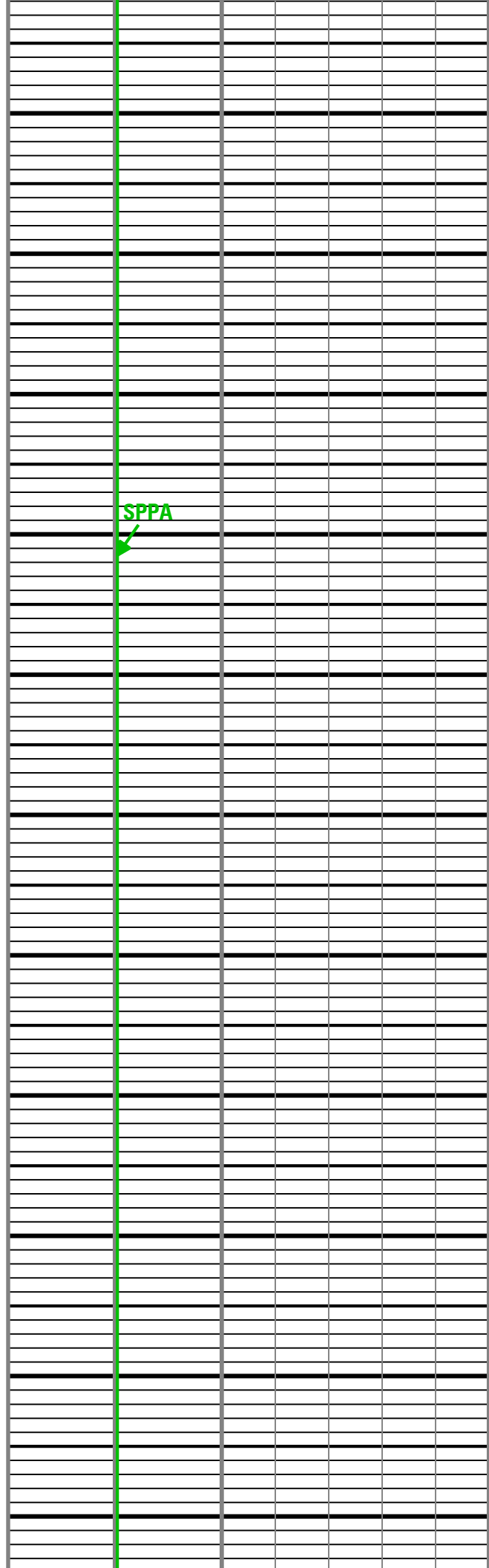
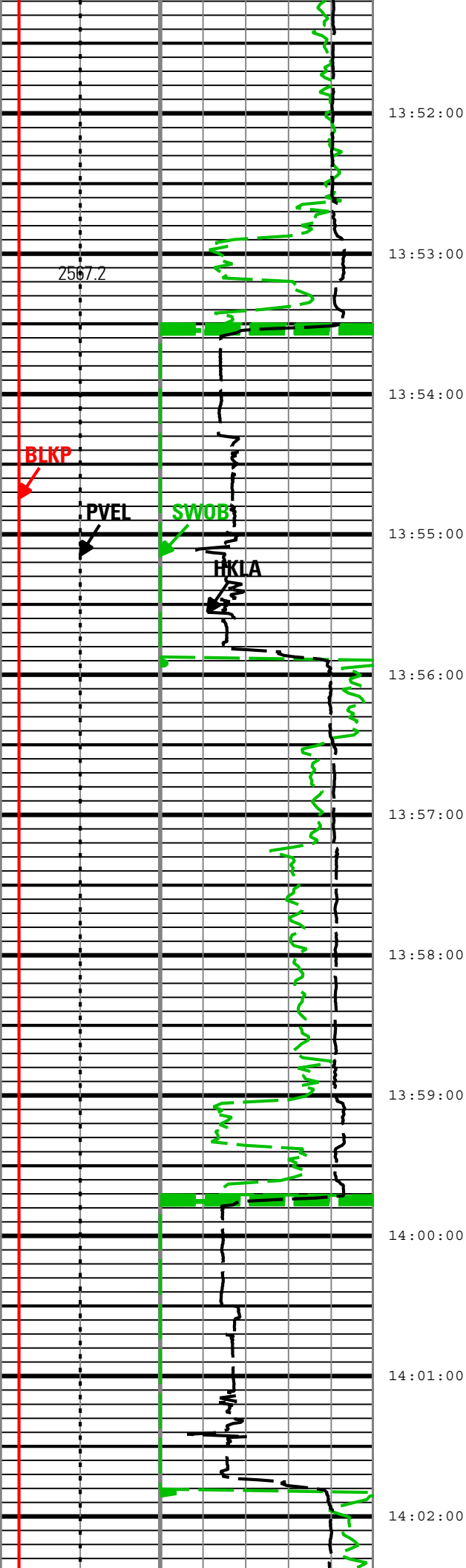
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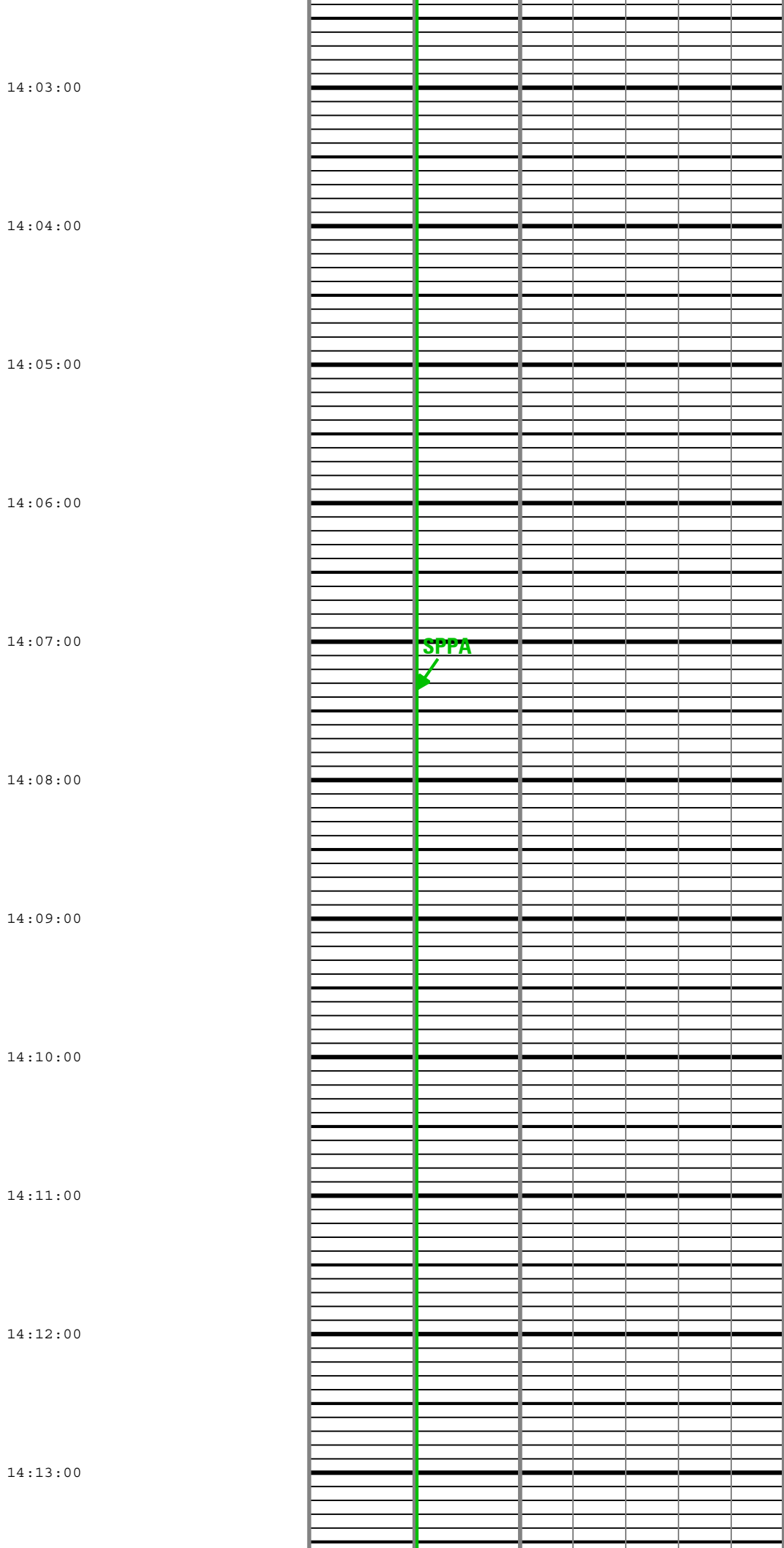
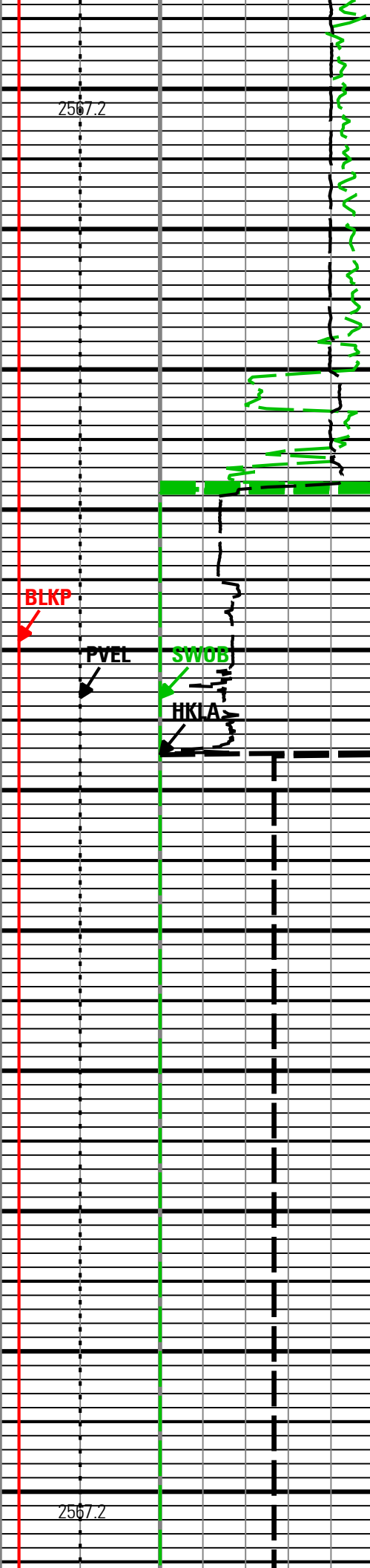
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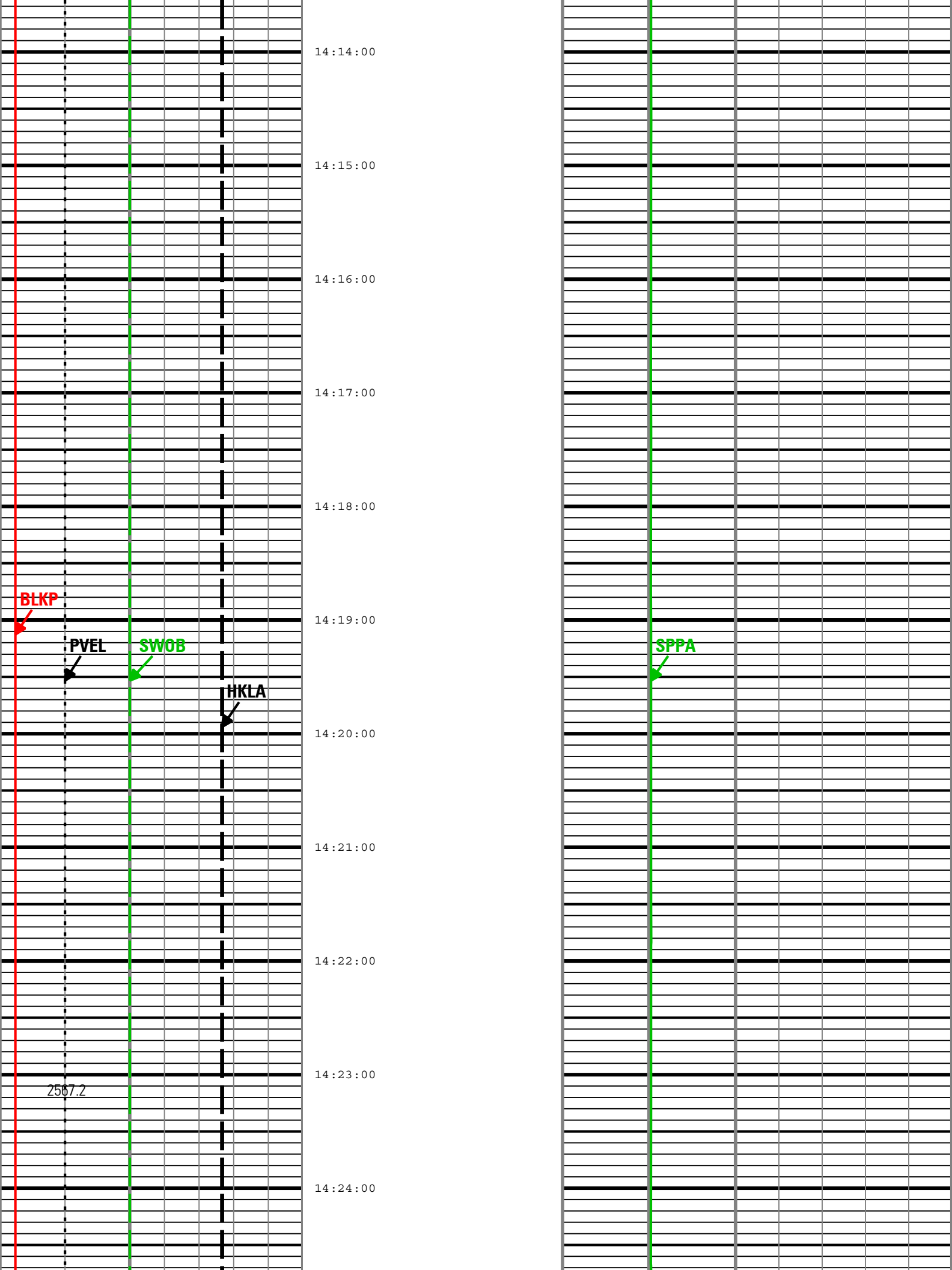












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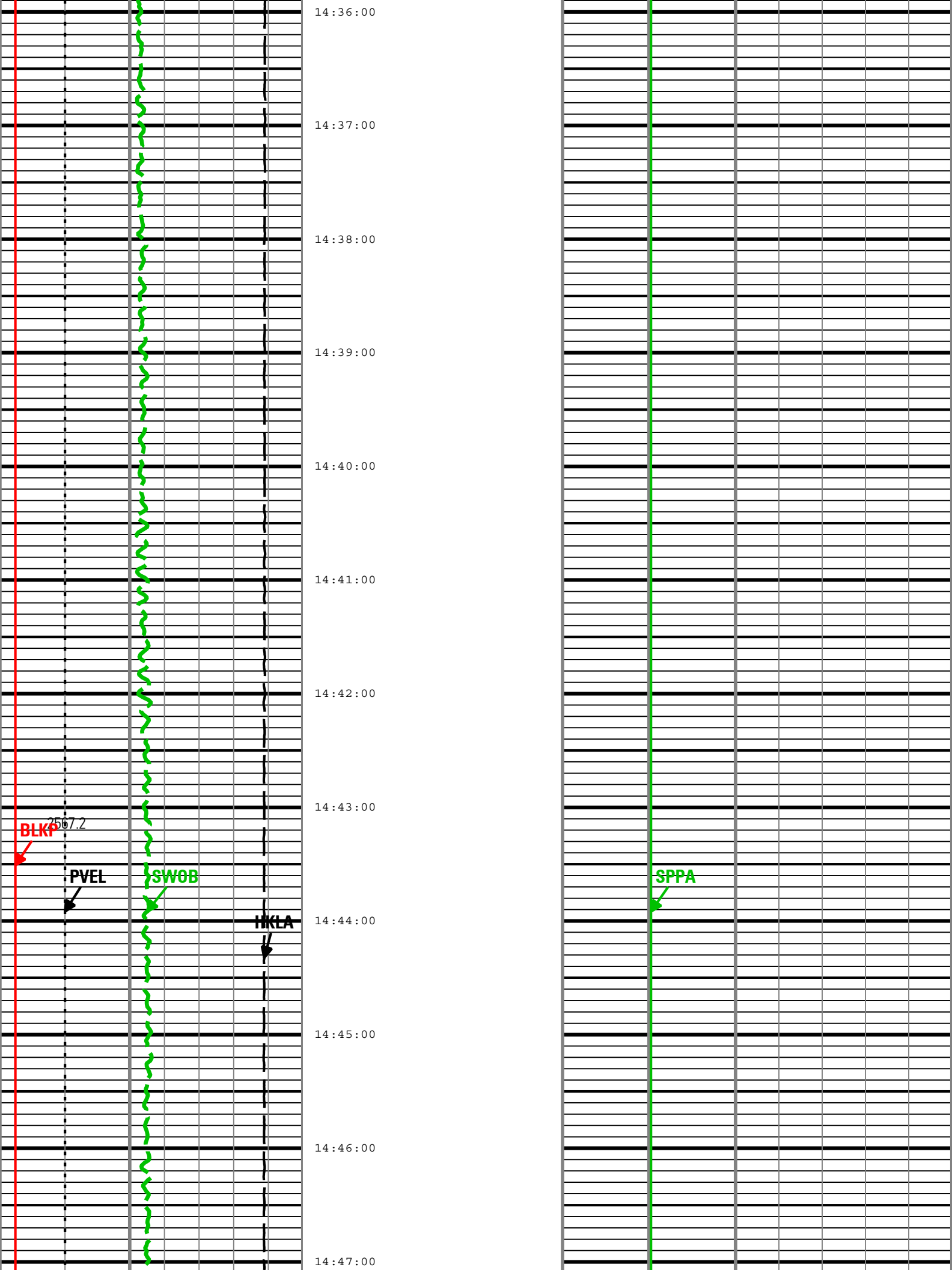
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SWOB

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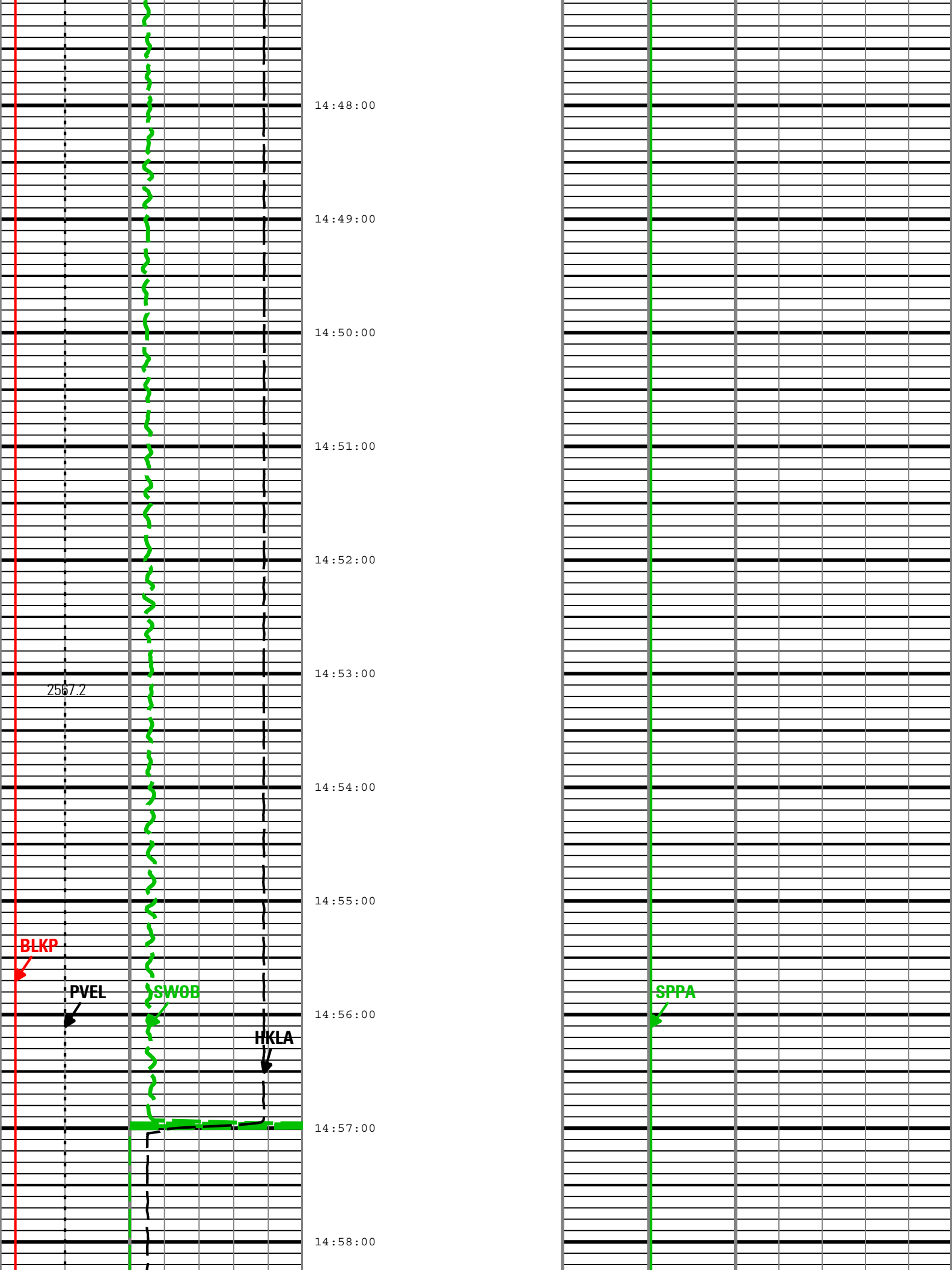
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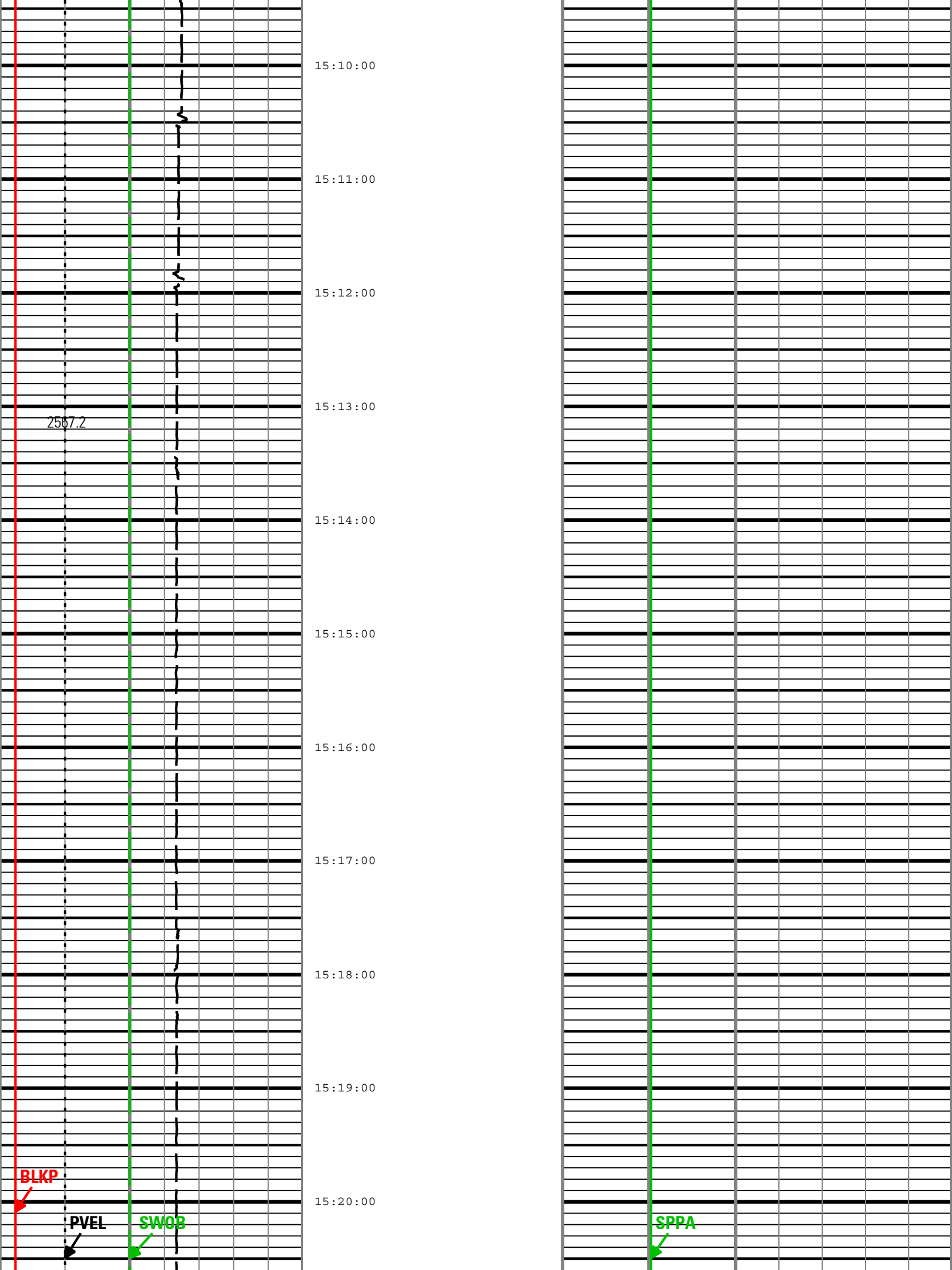
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PVEL

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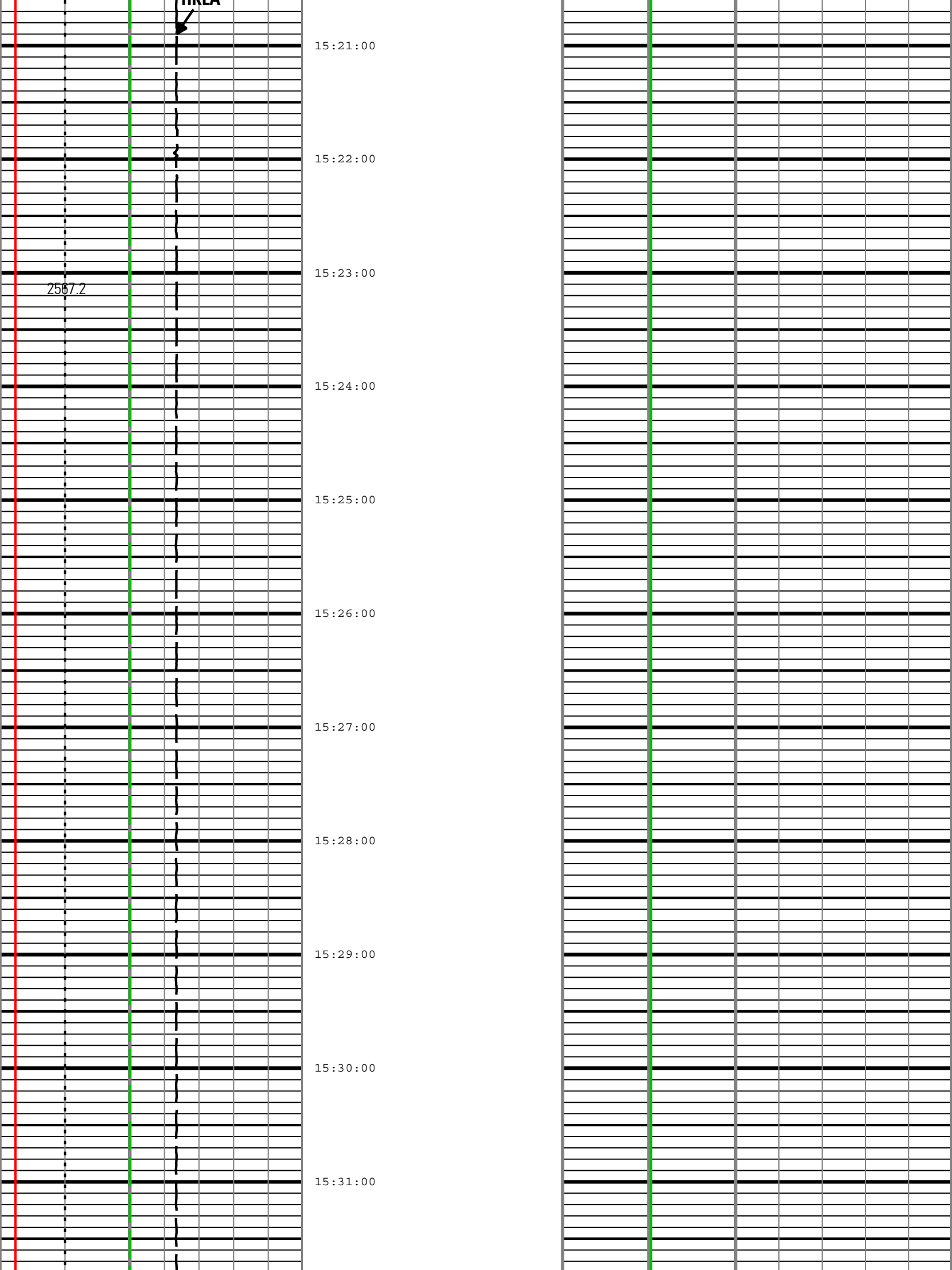
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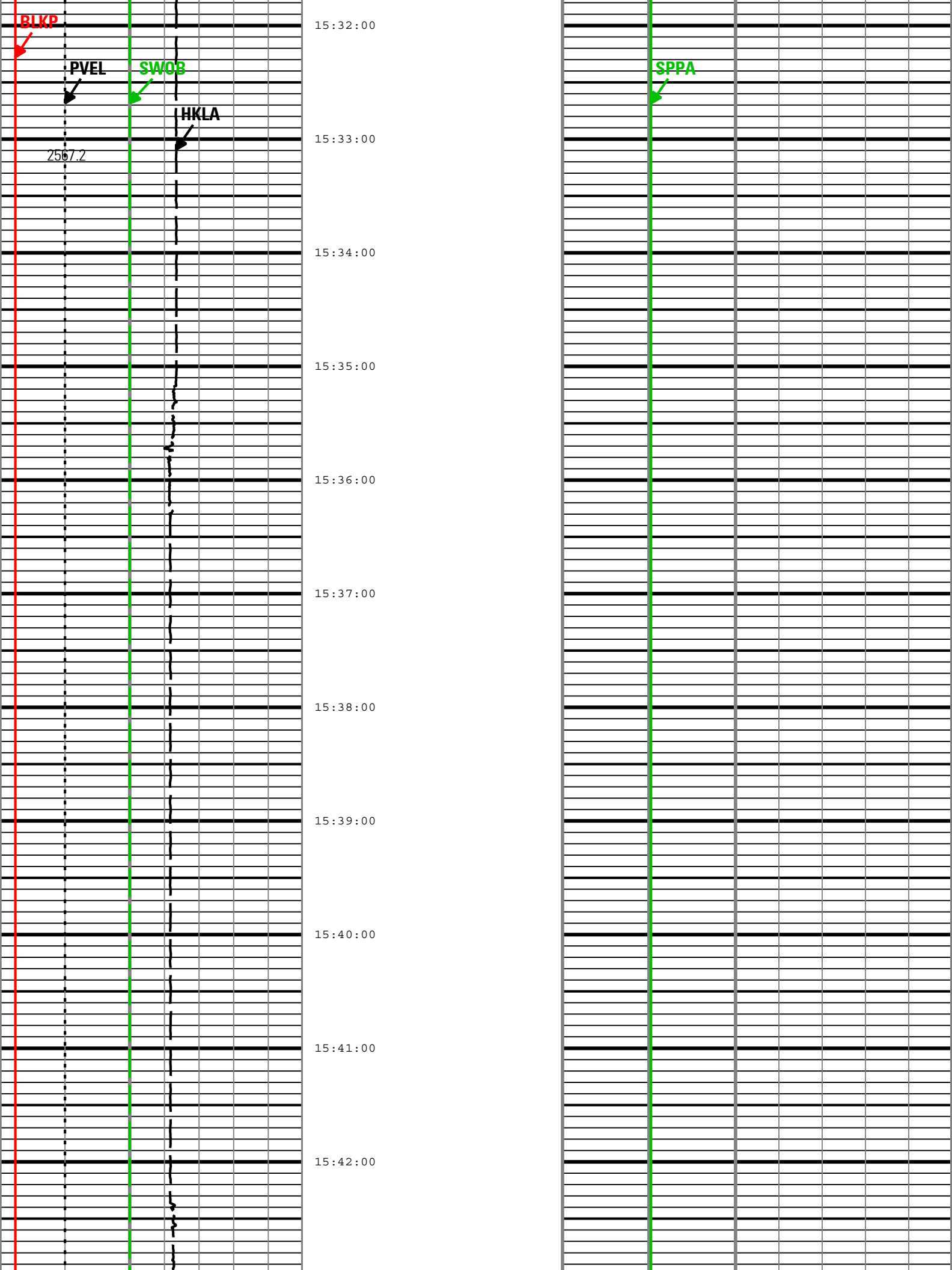
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BLKP

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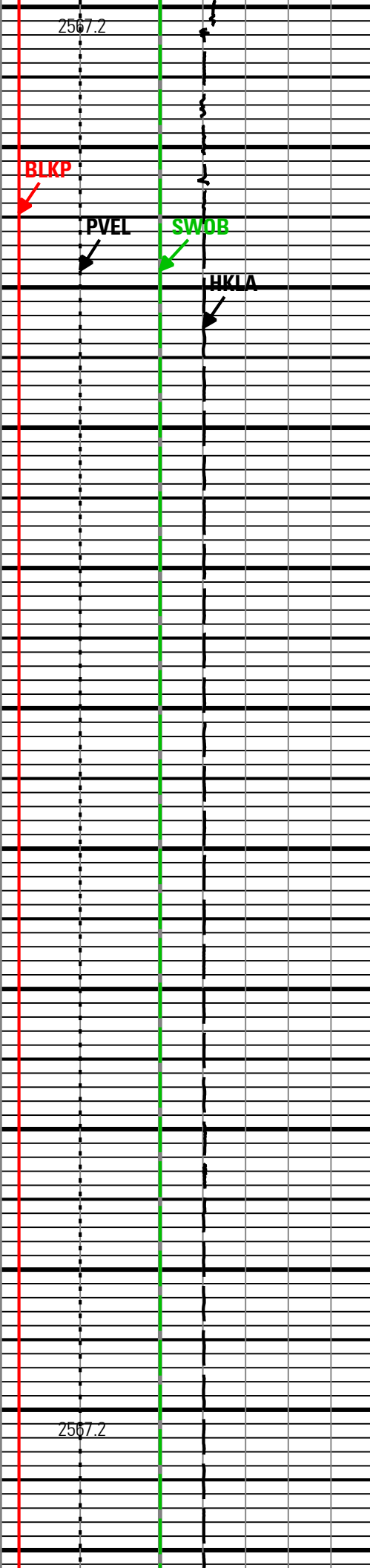
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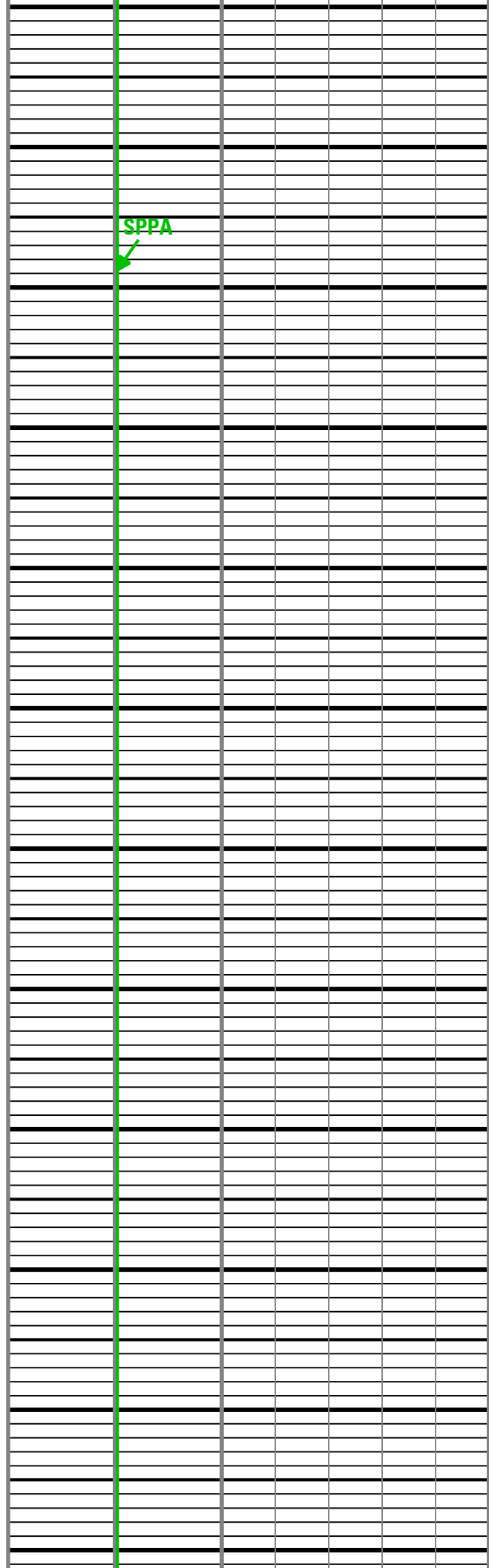
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SPPA





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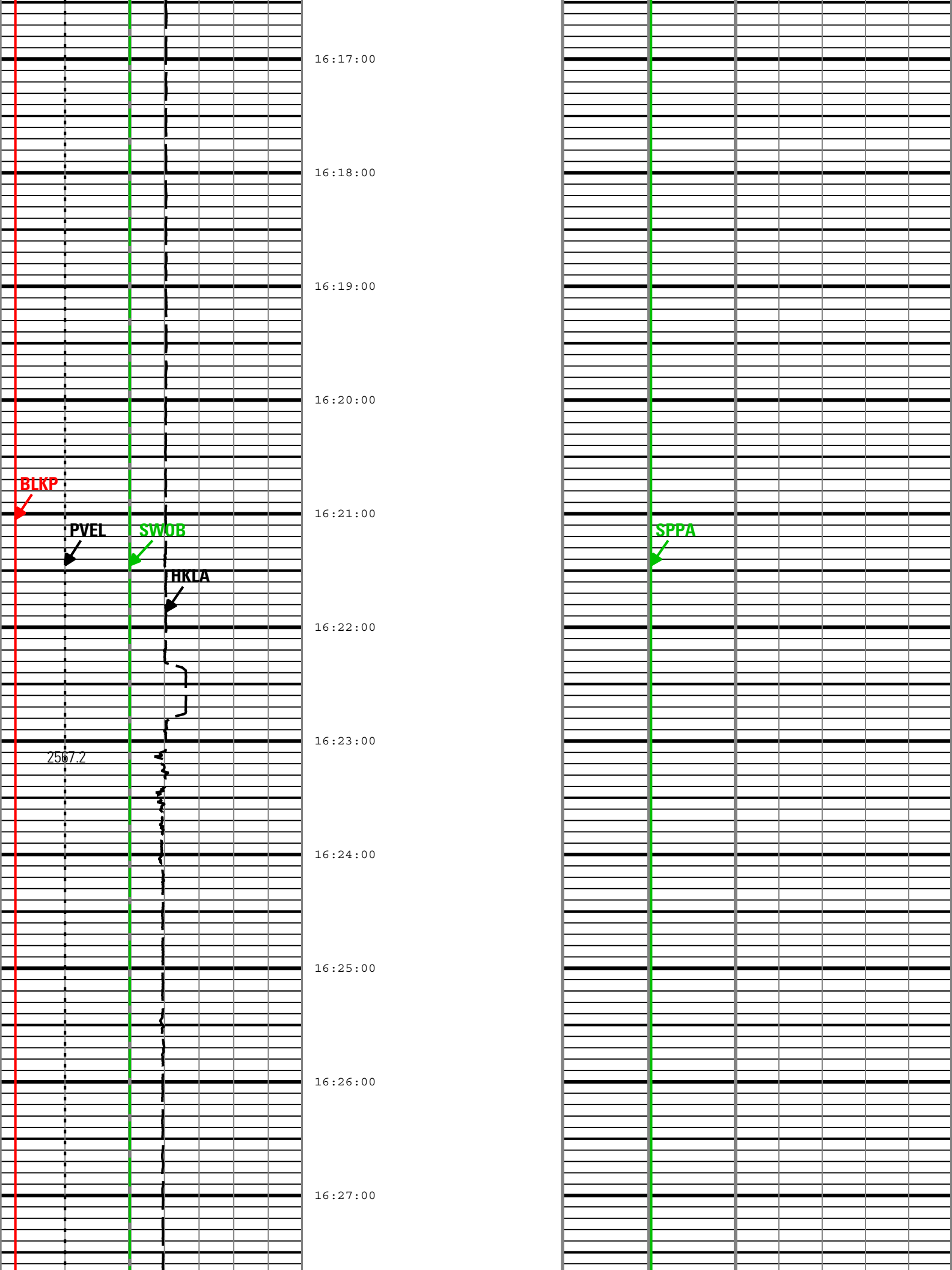
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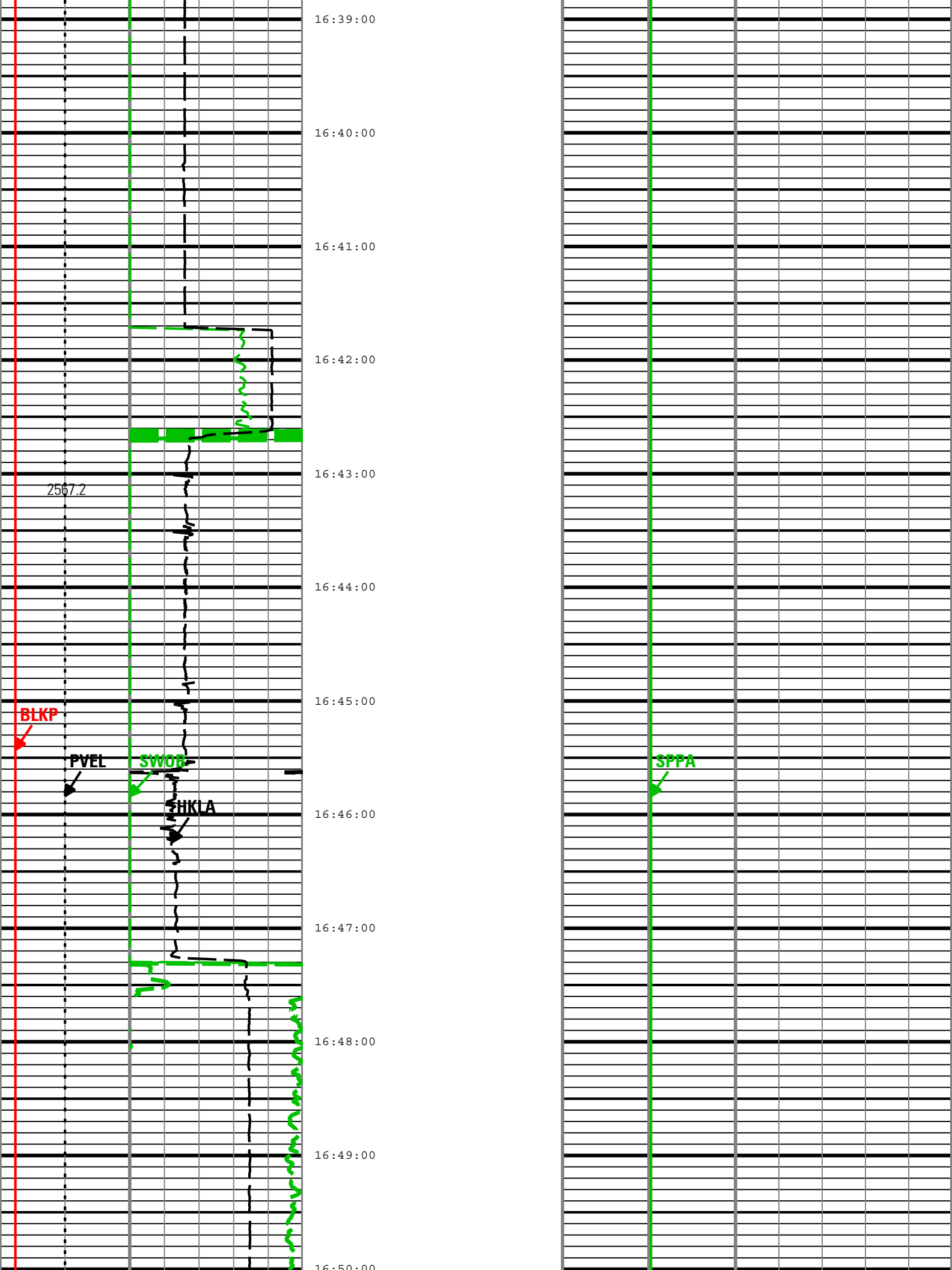
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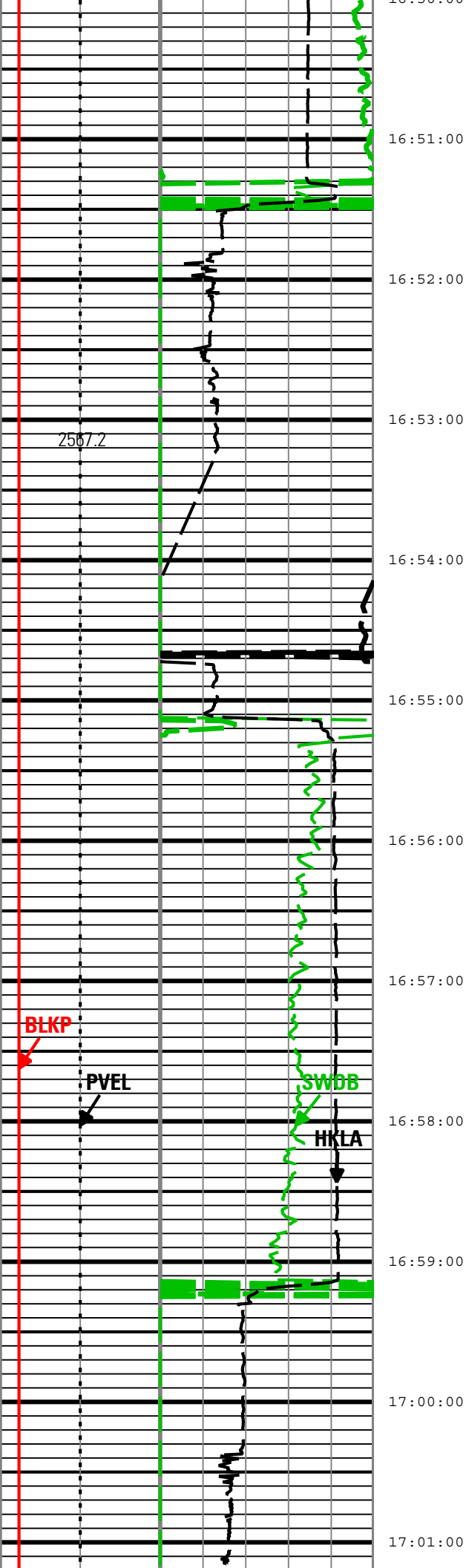
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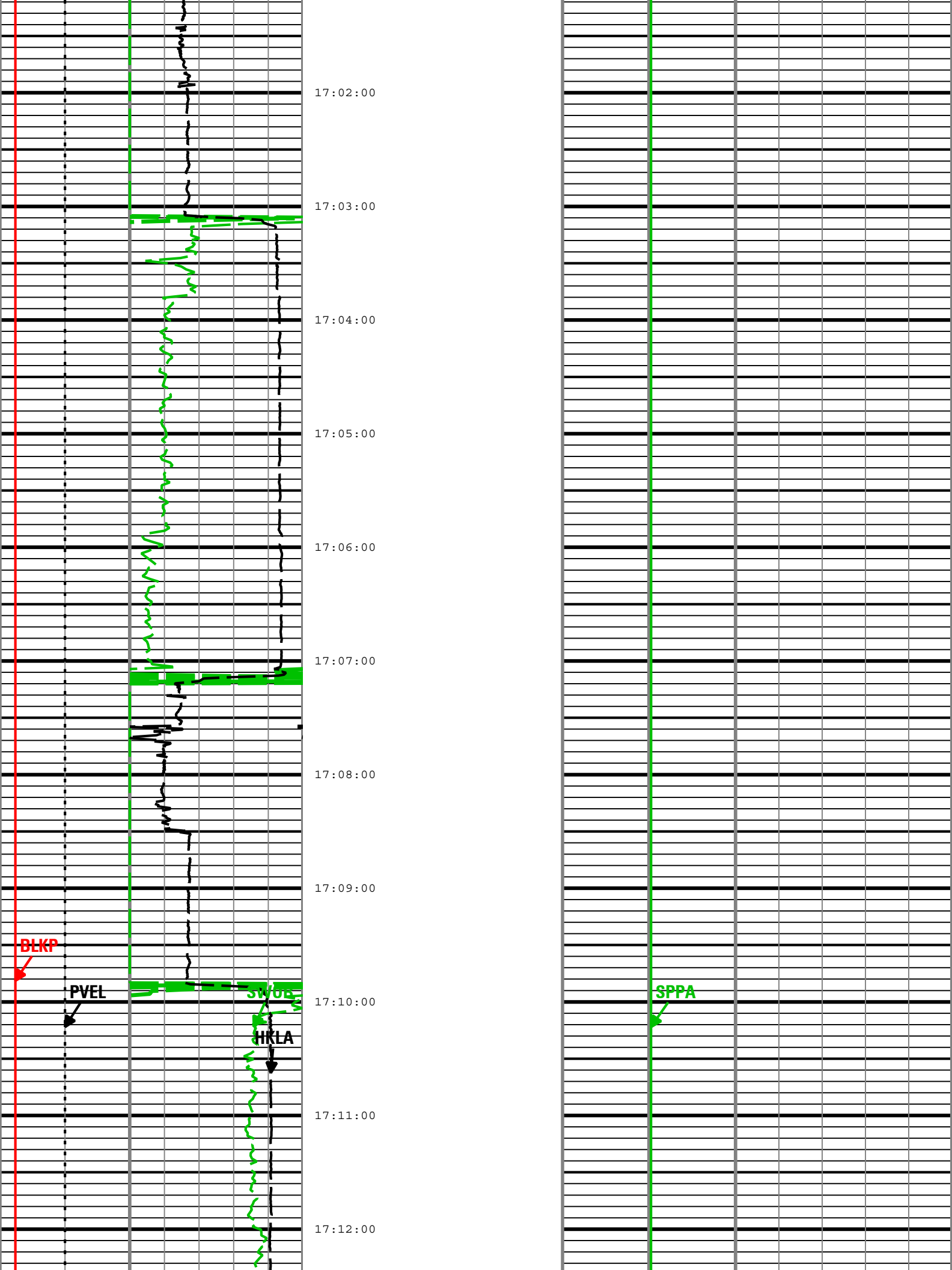
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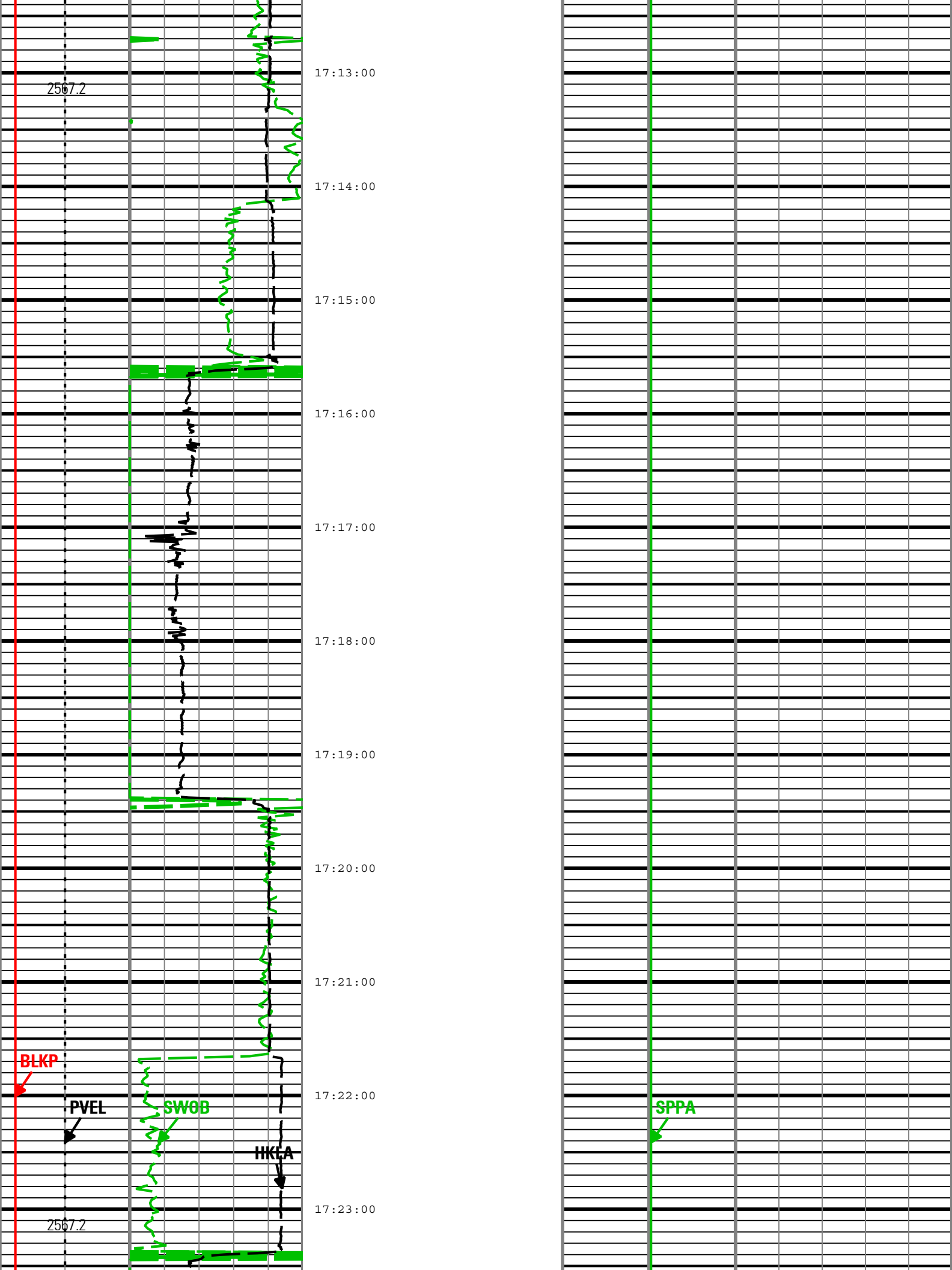
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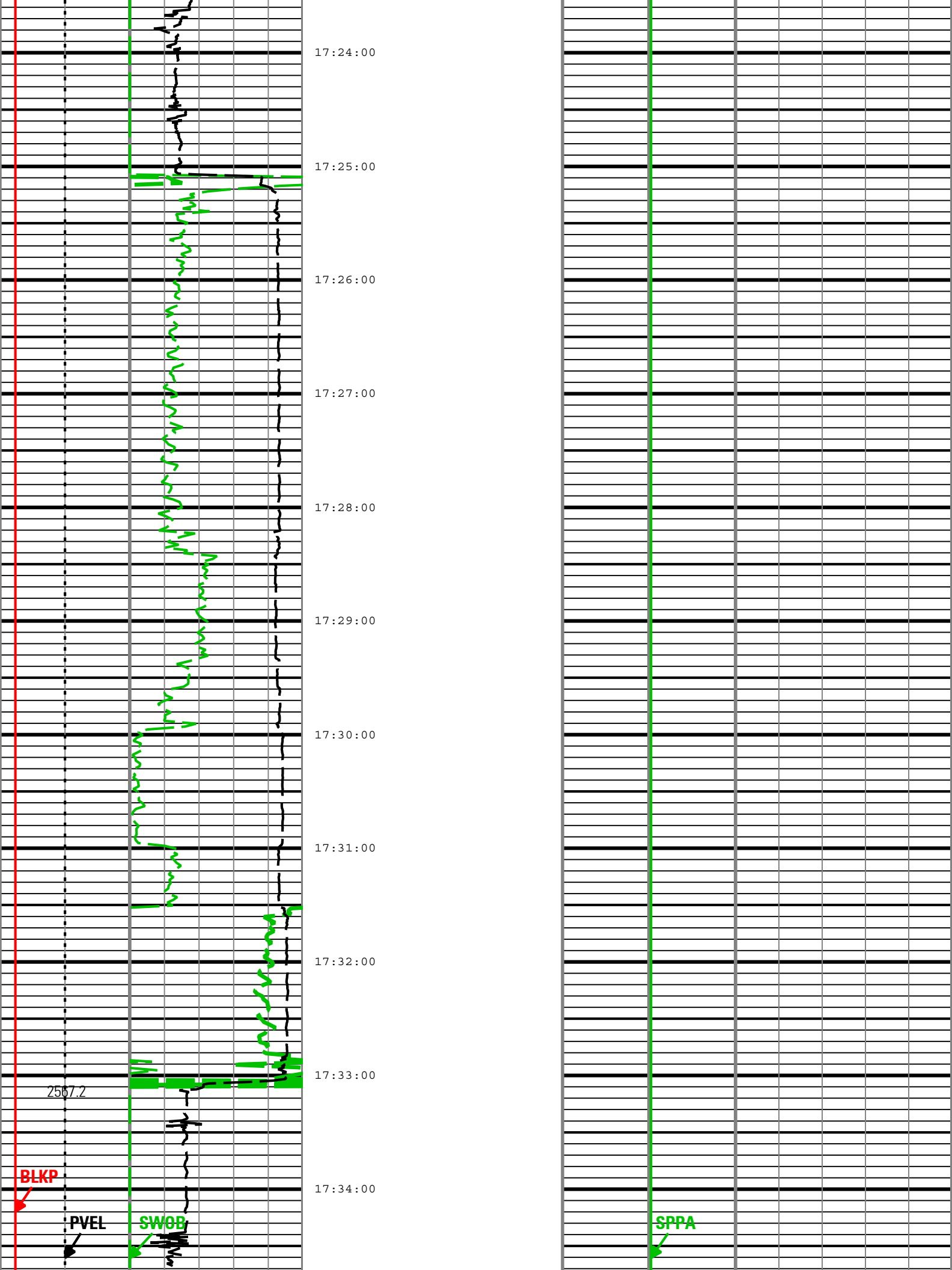
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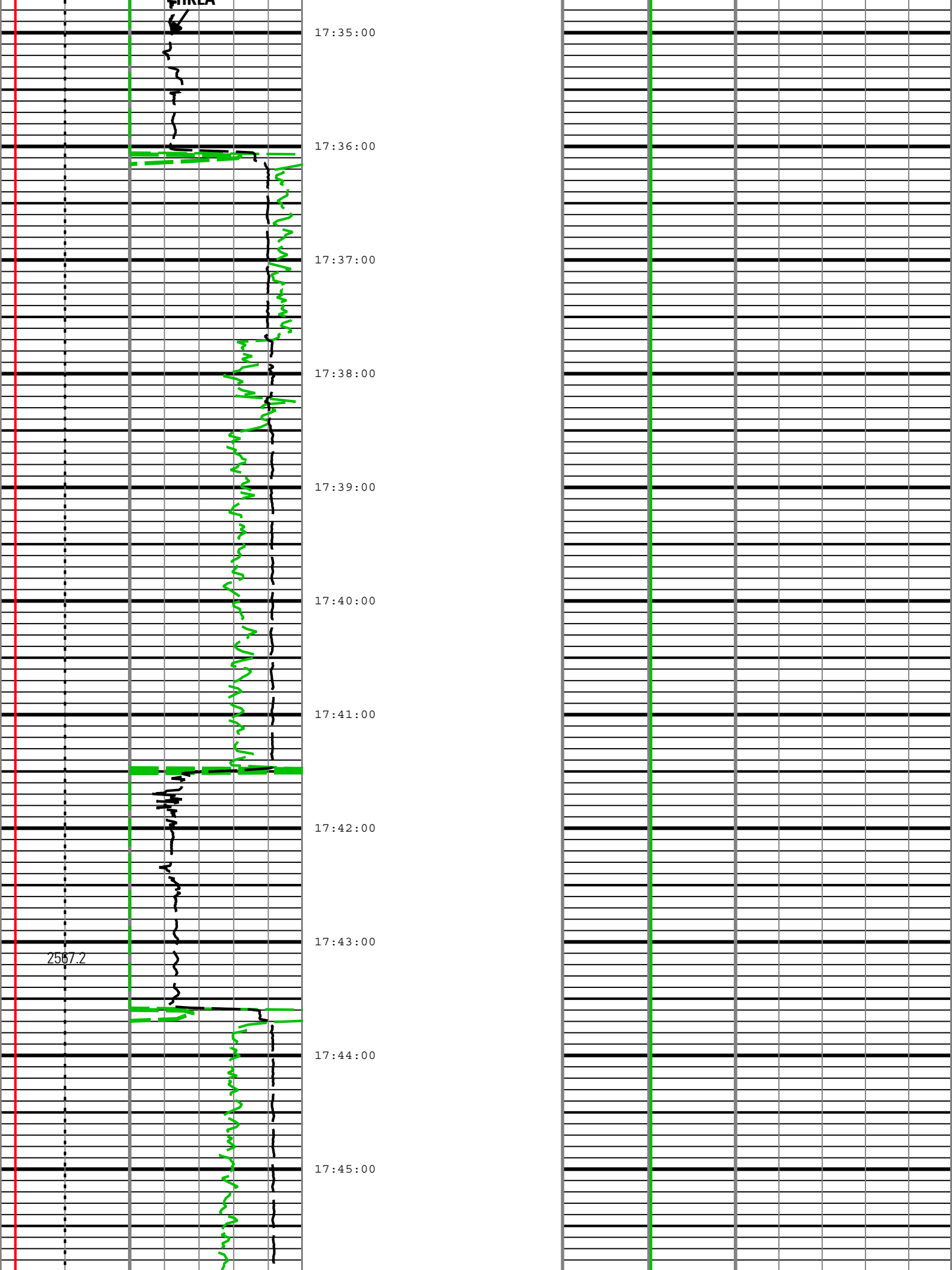
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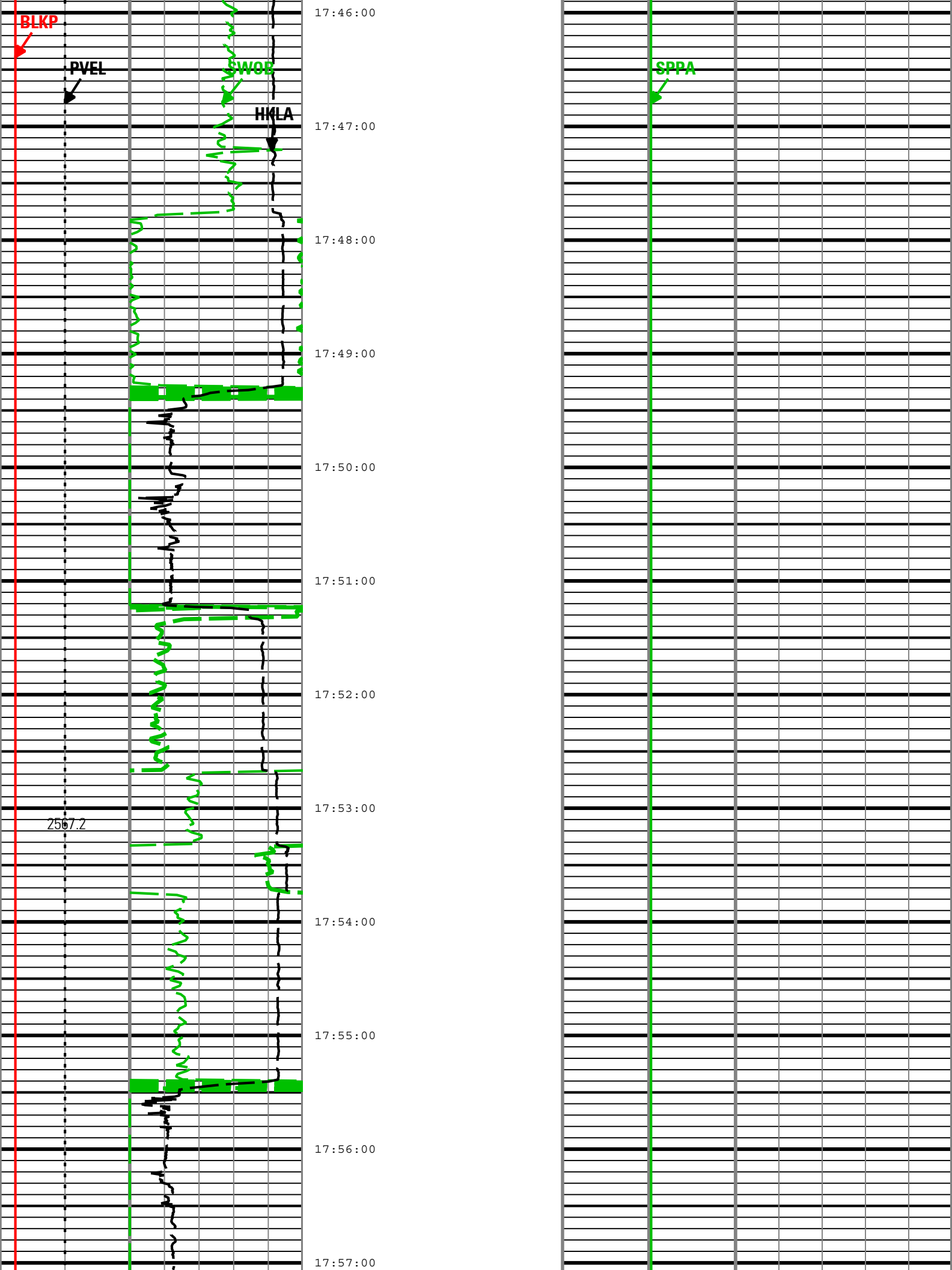
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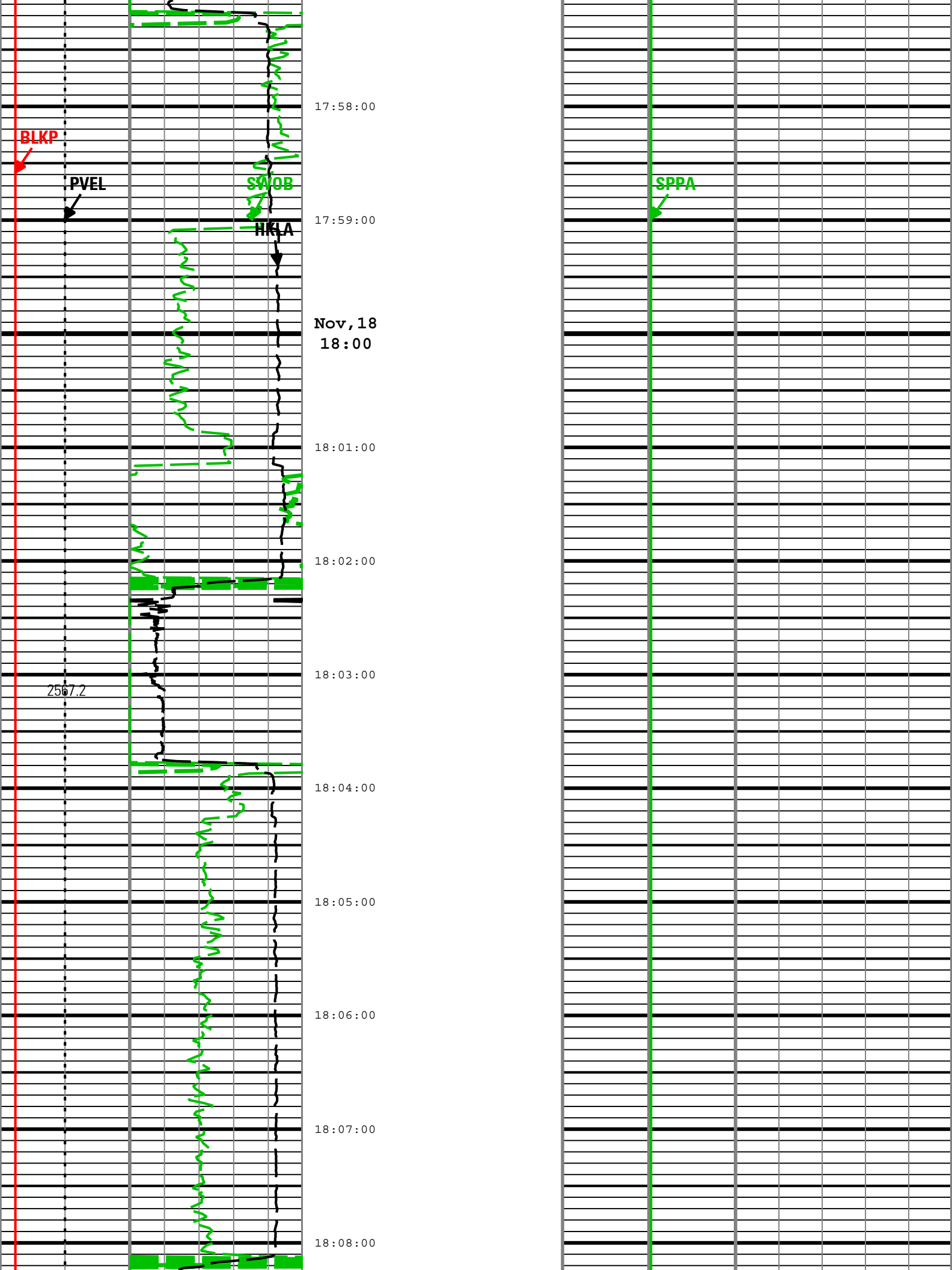


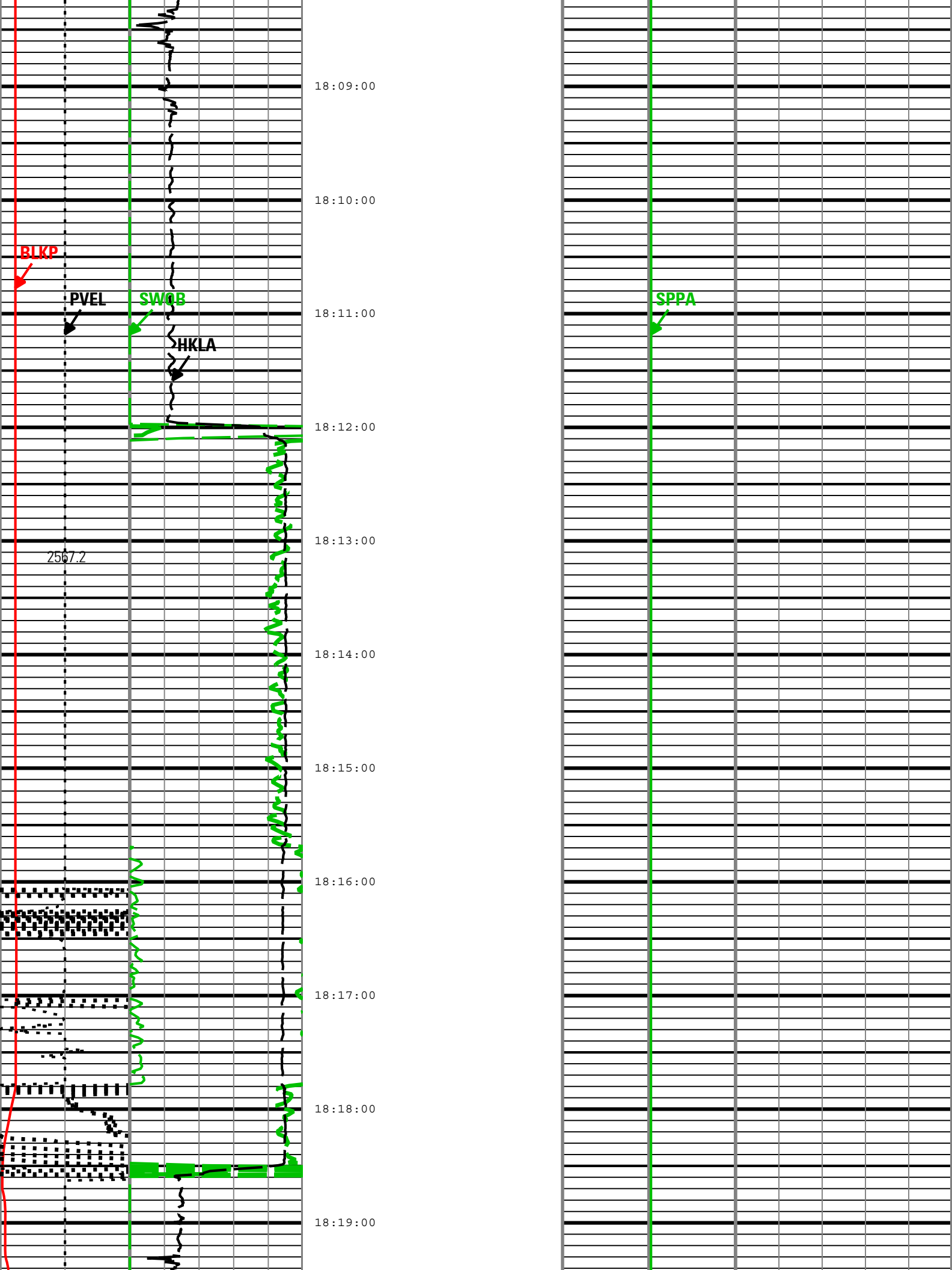


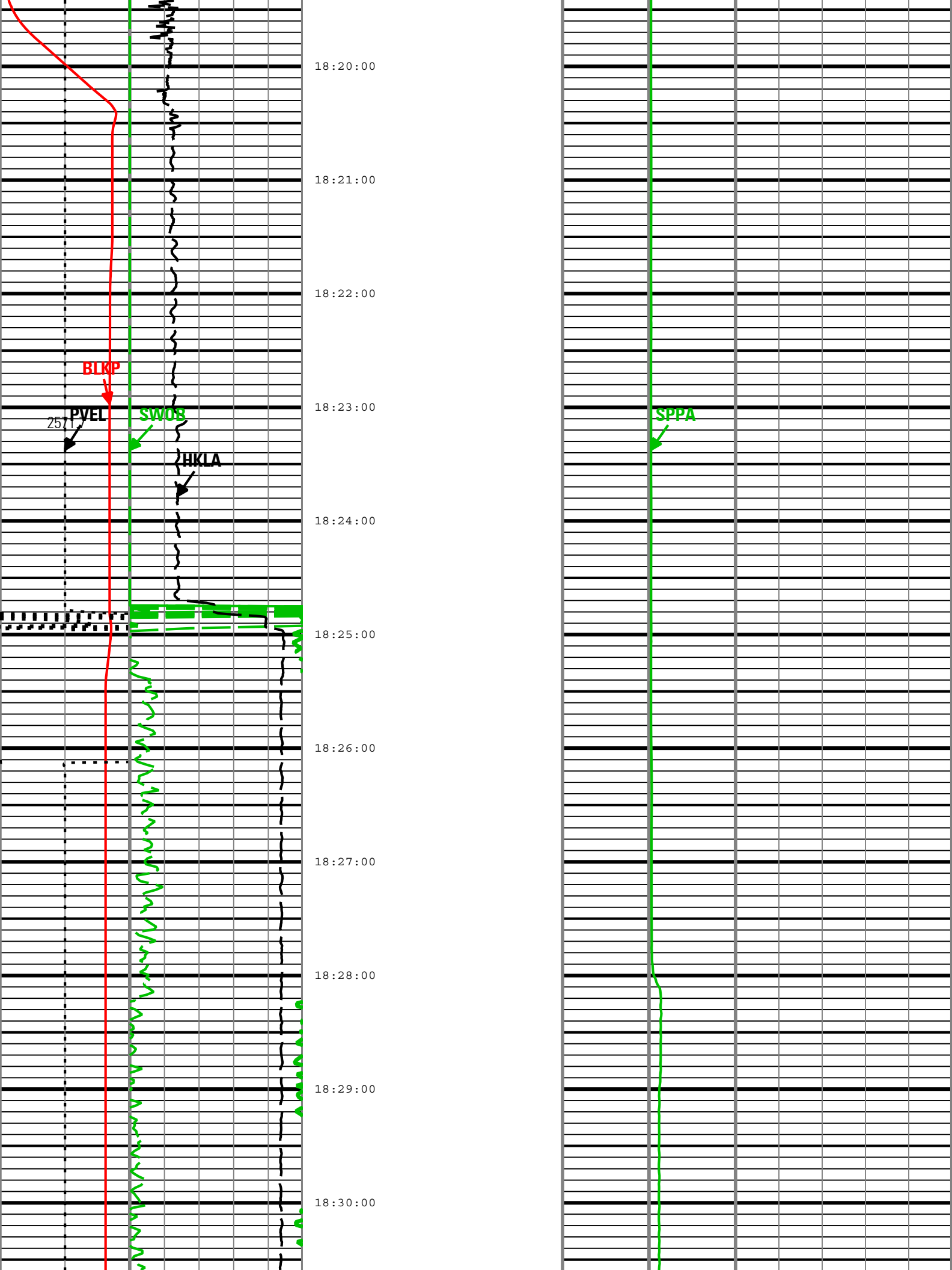


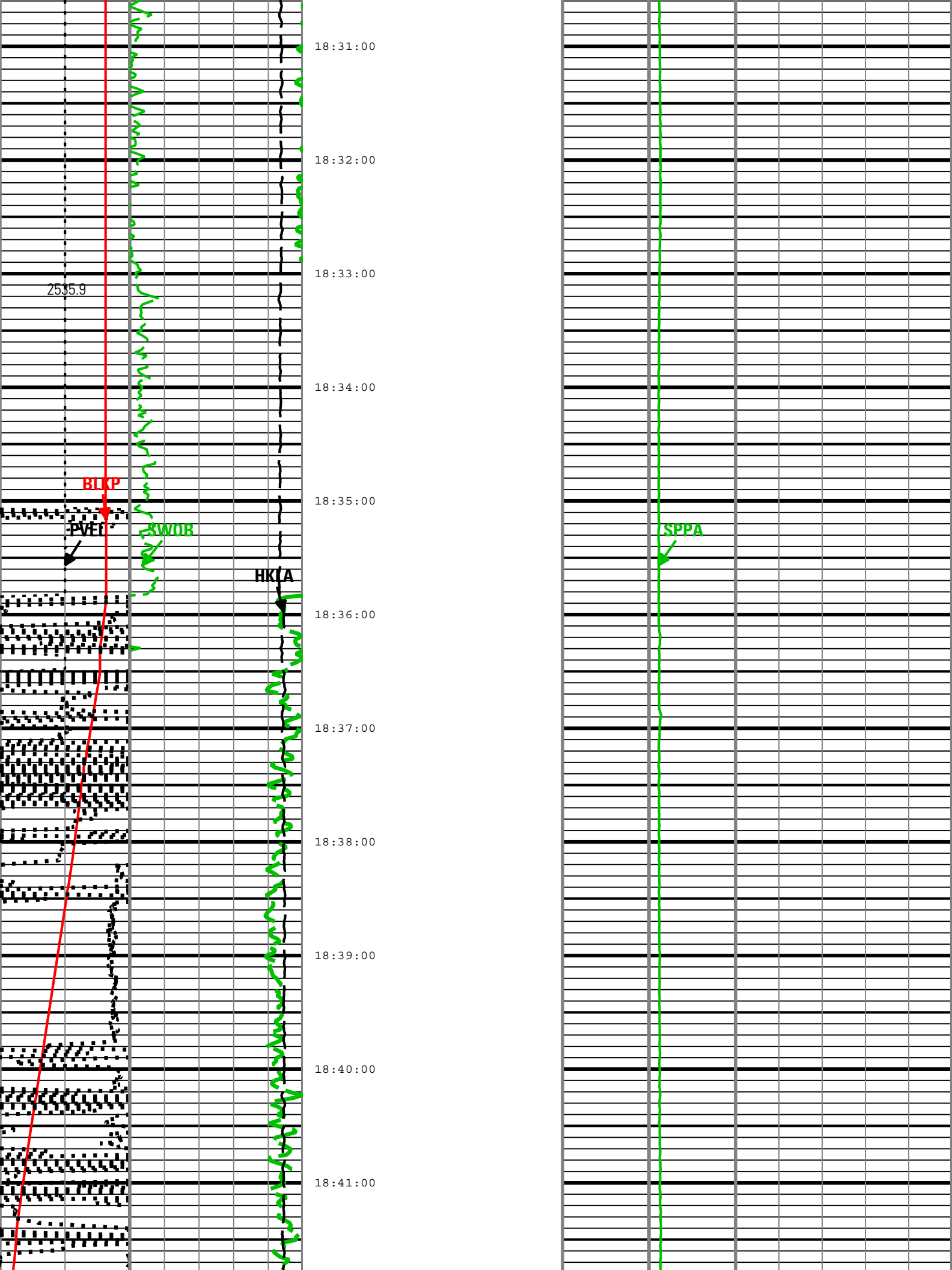


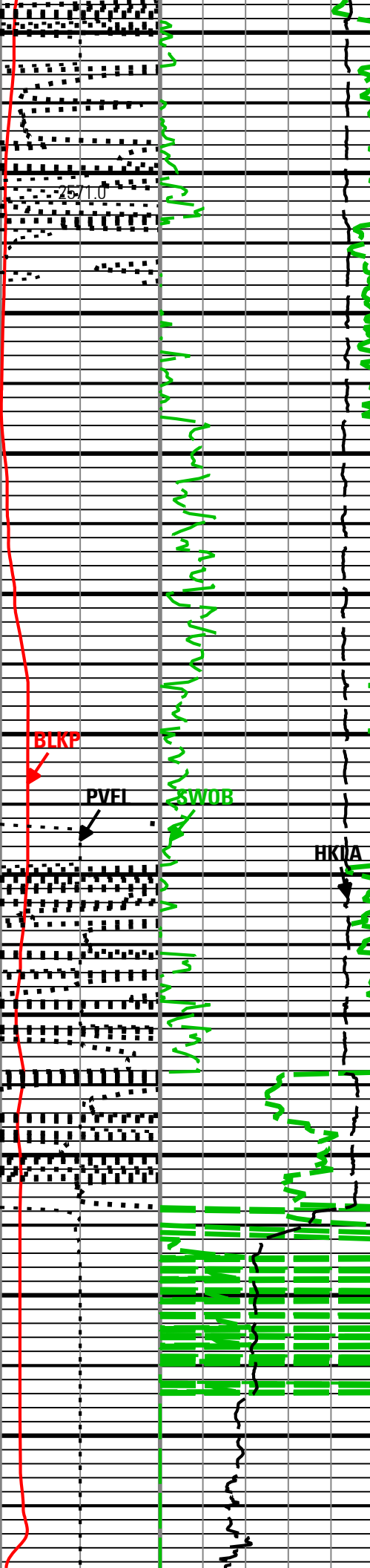




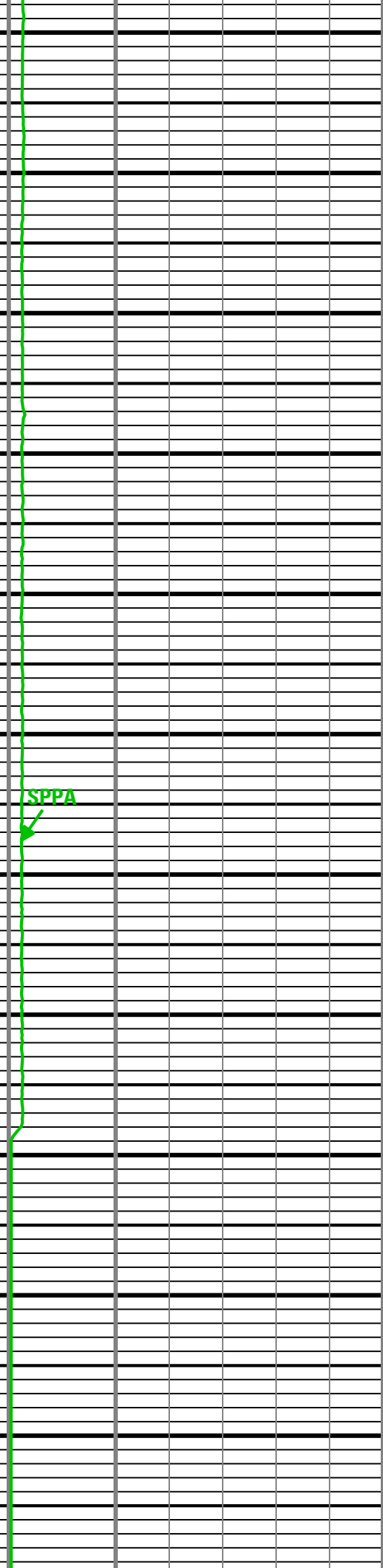


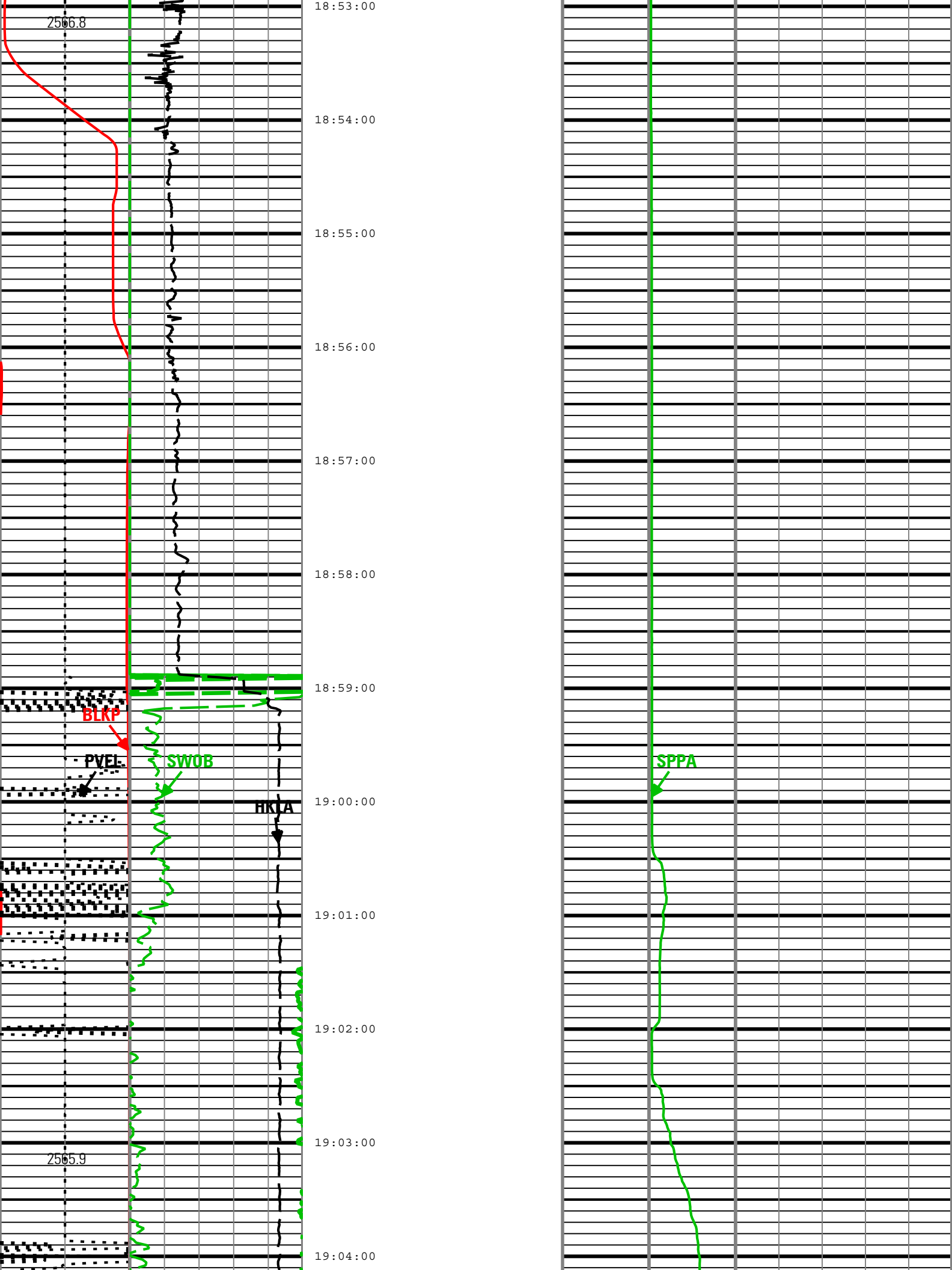


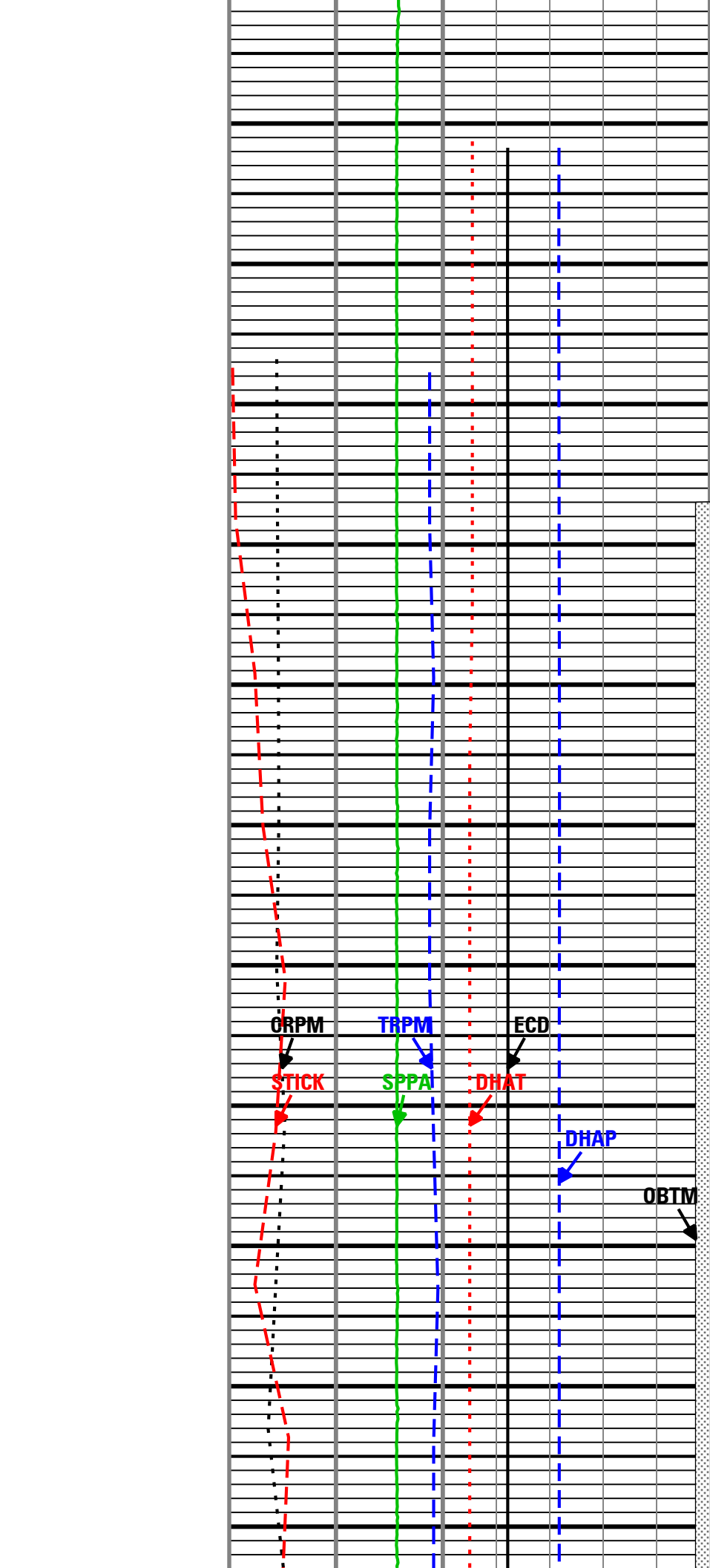
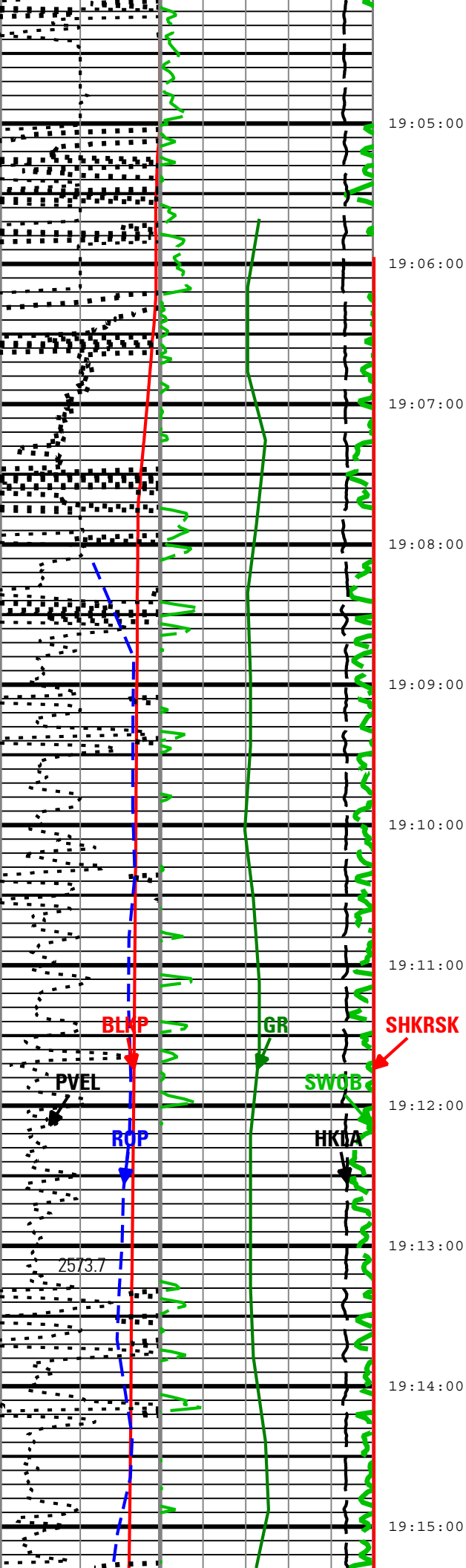


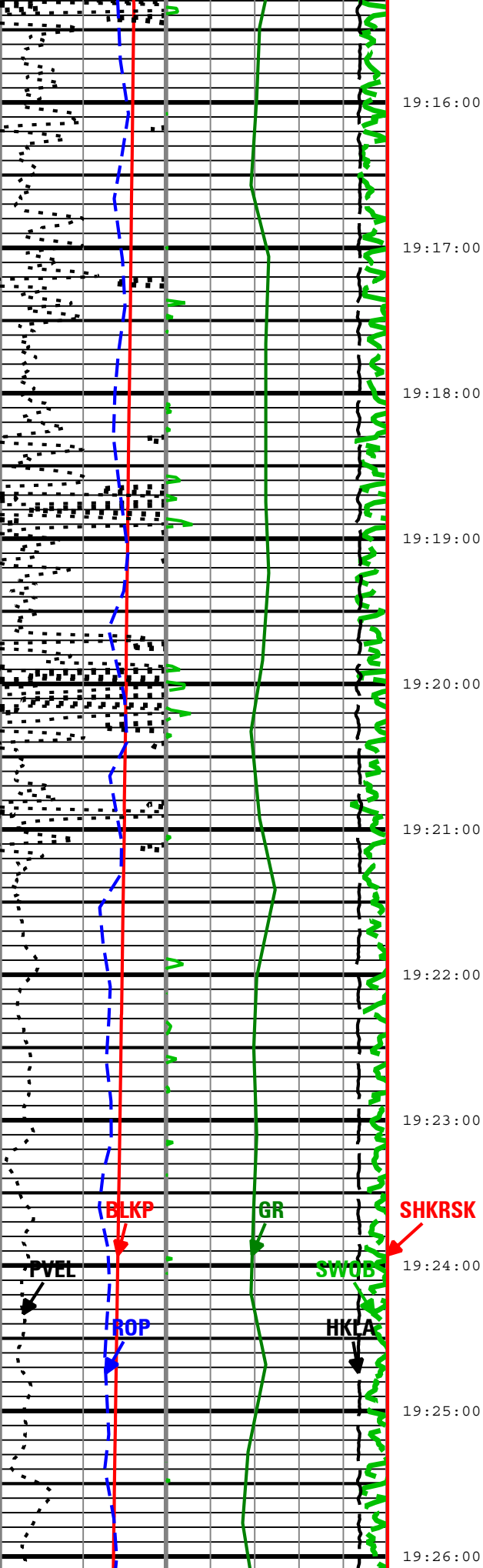


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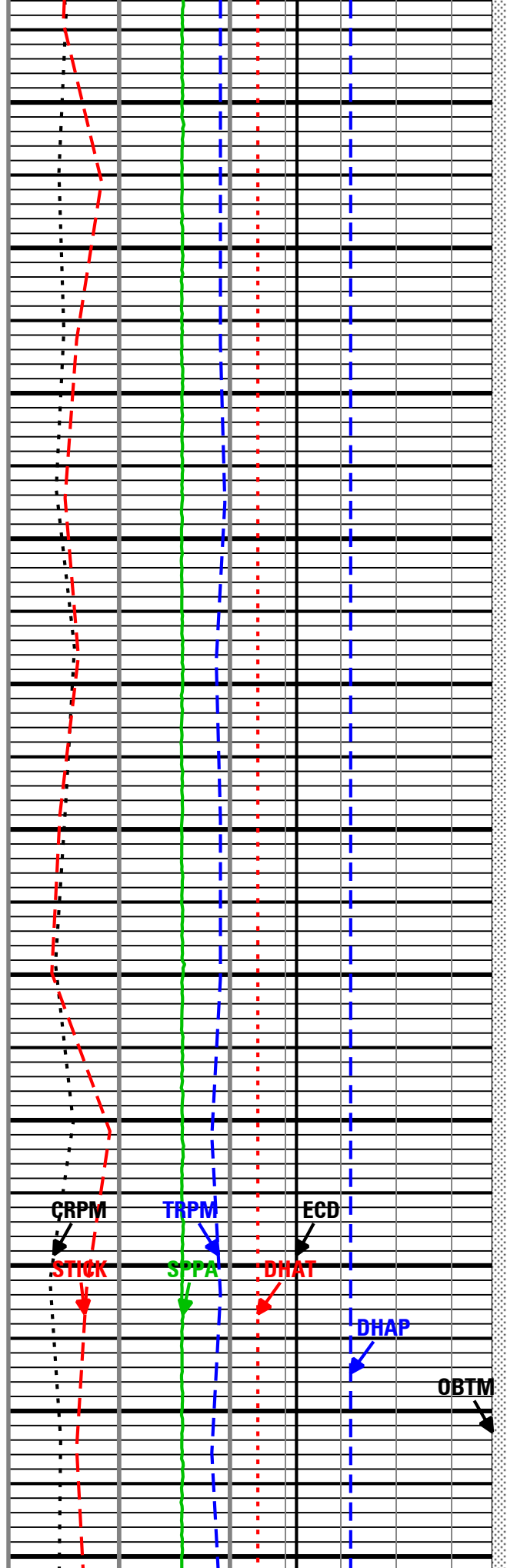




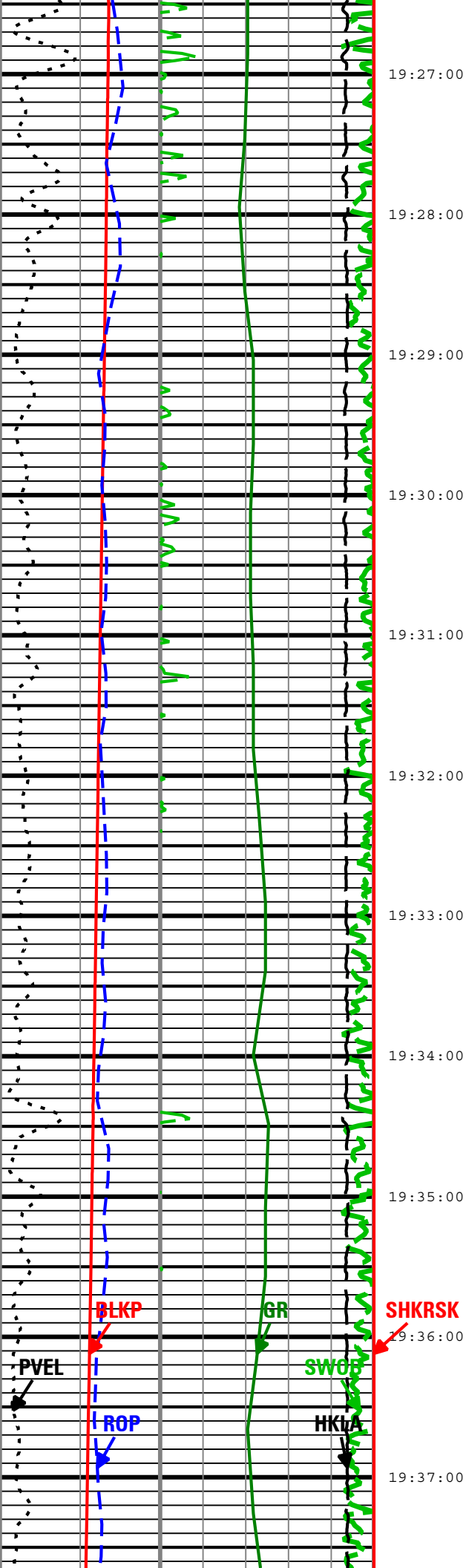




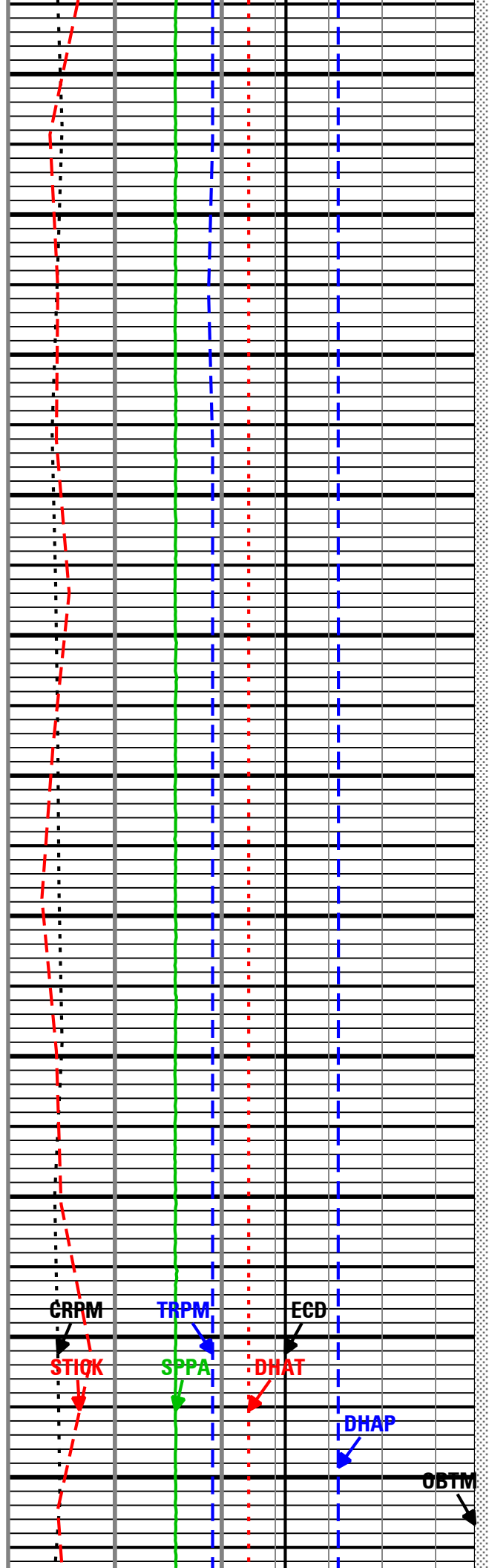
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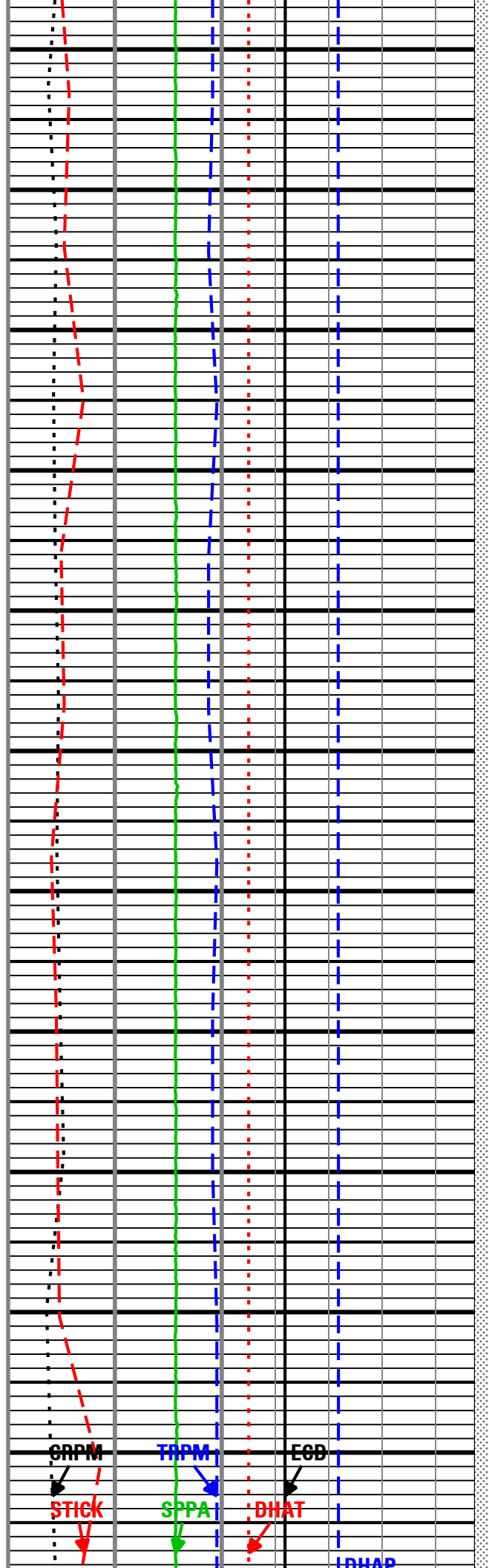
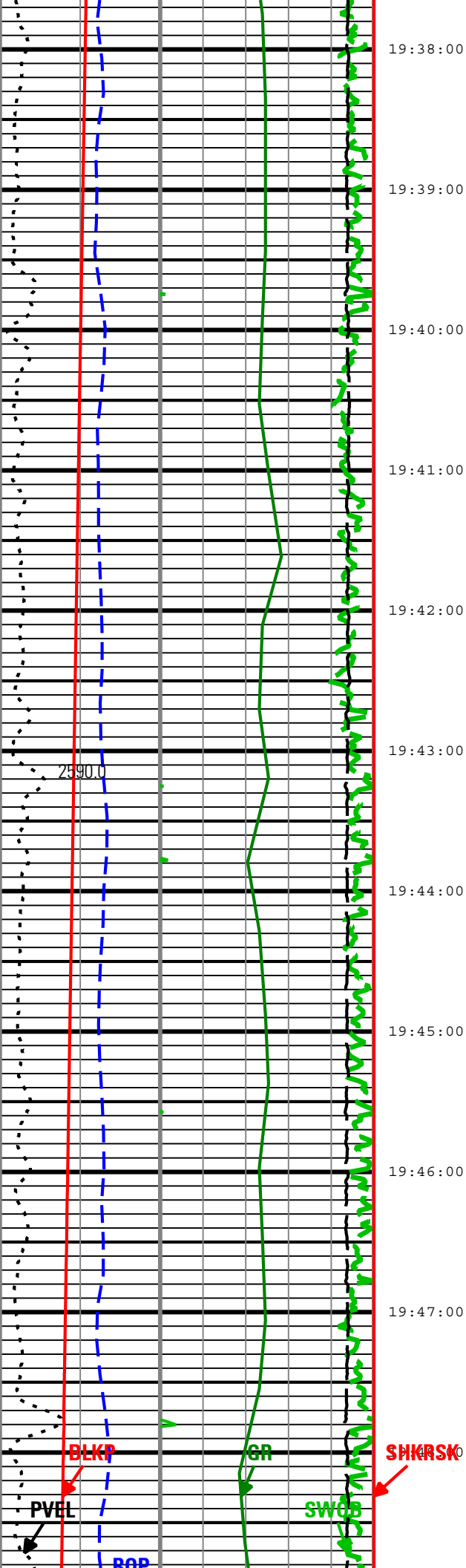
CRPM
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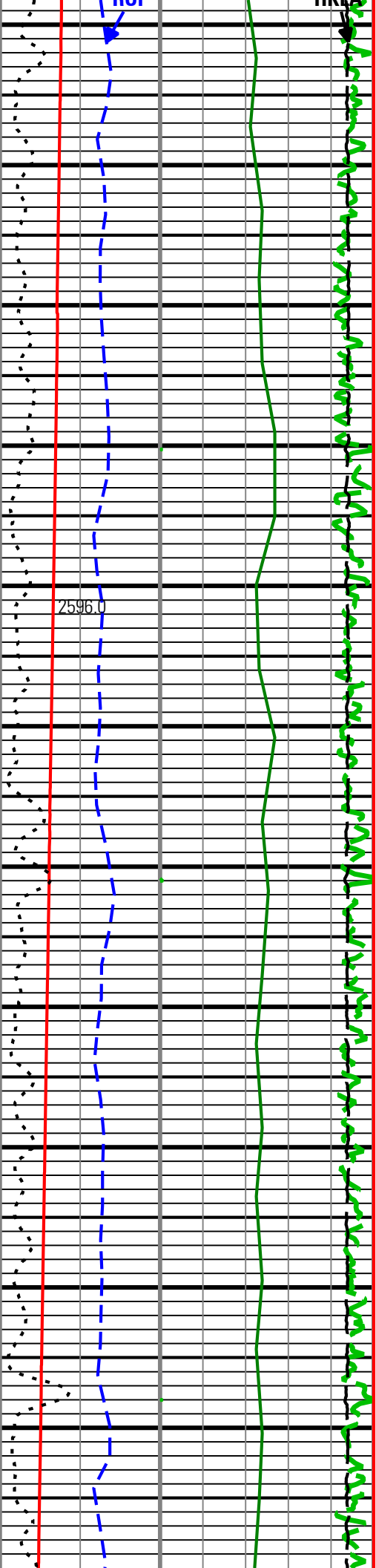


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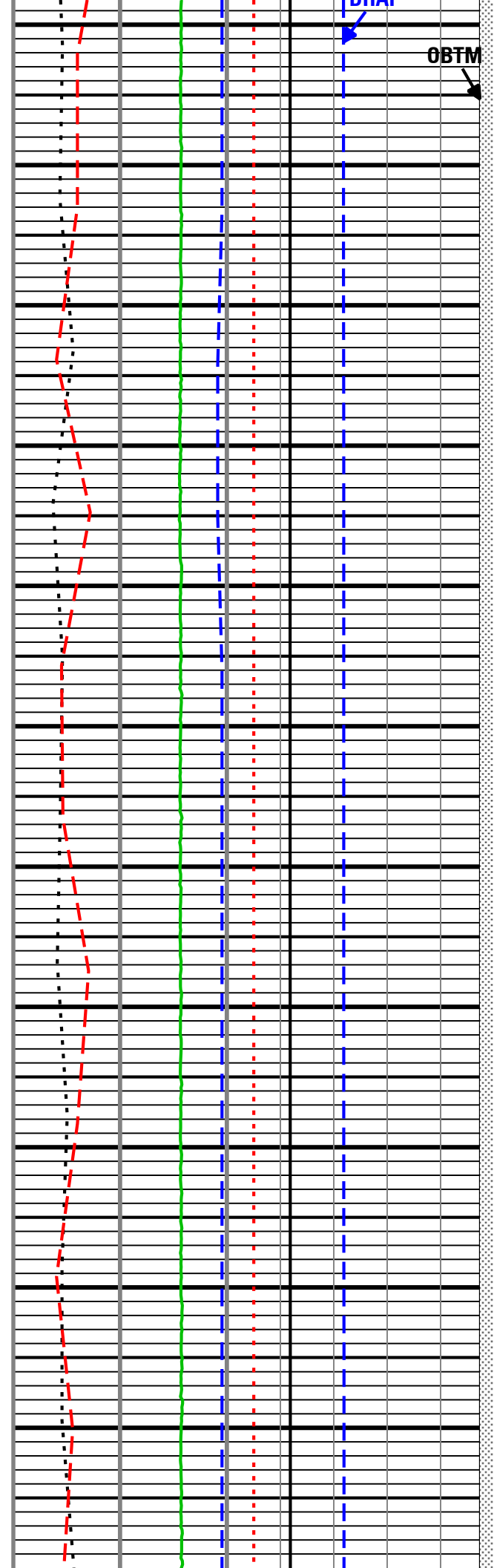


CRRM
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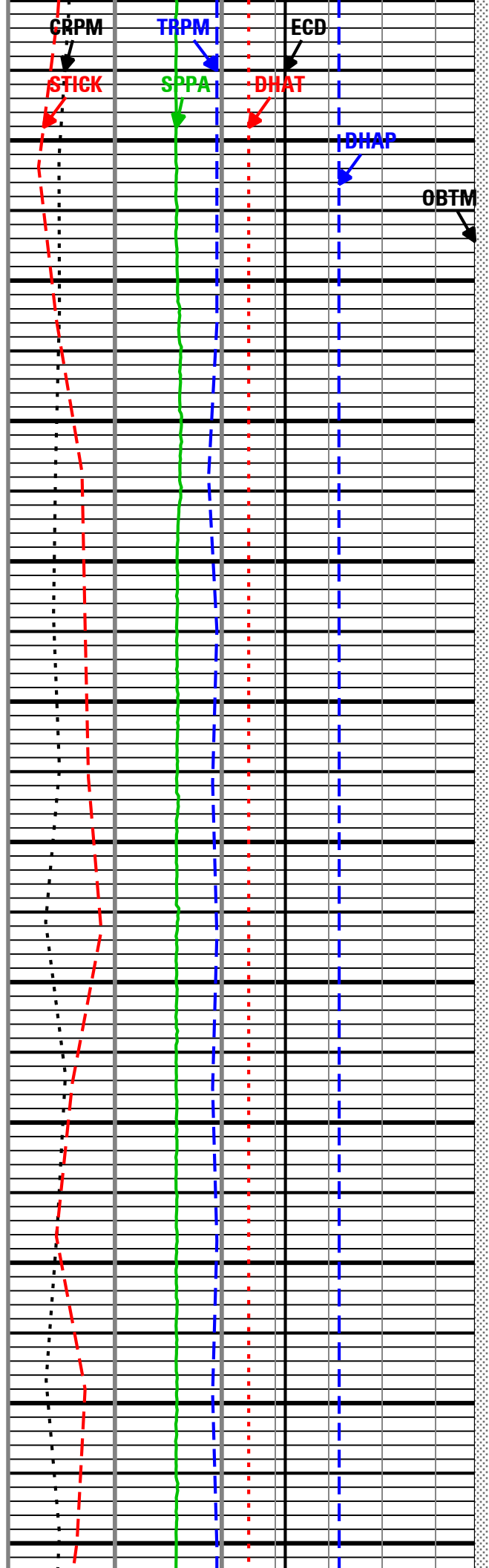
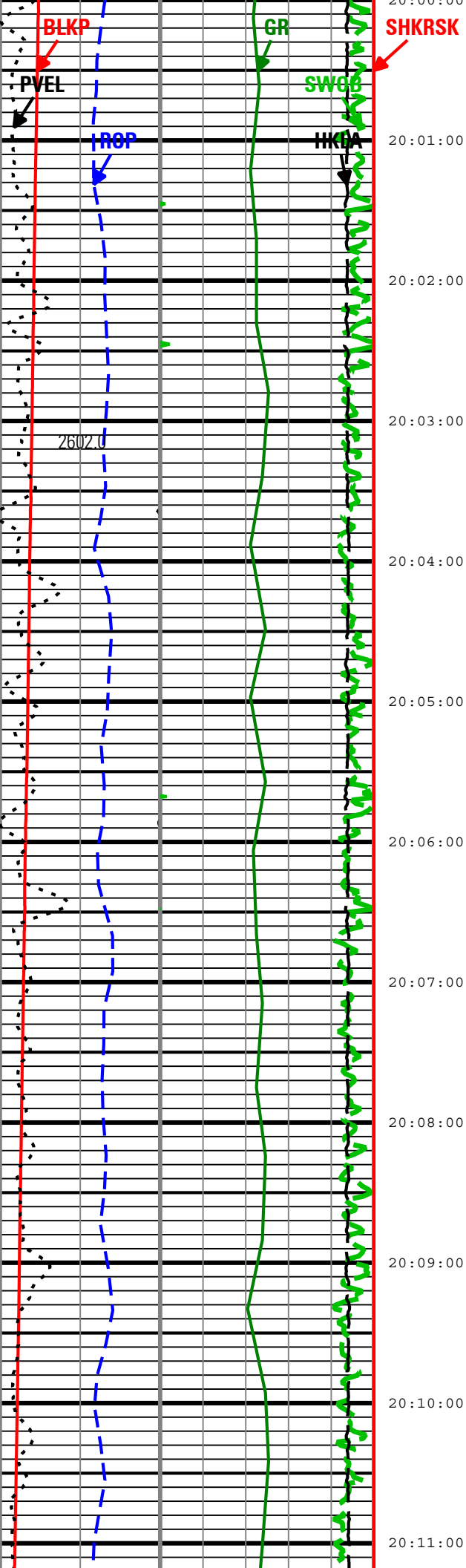


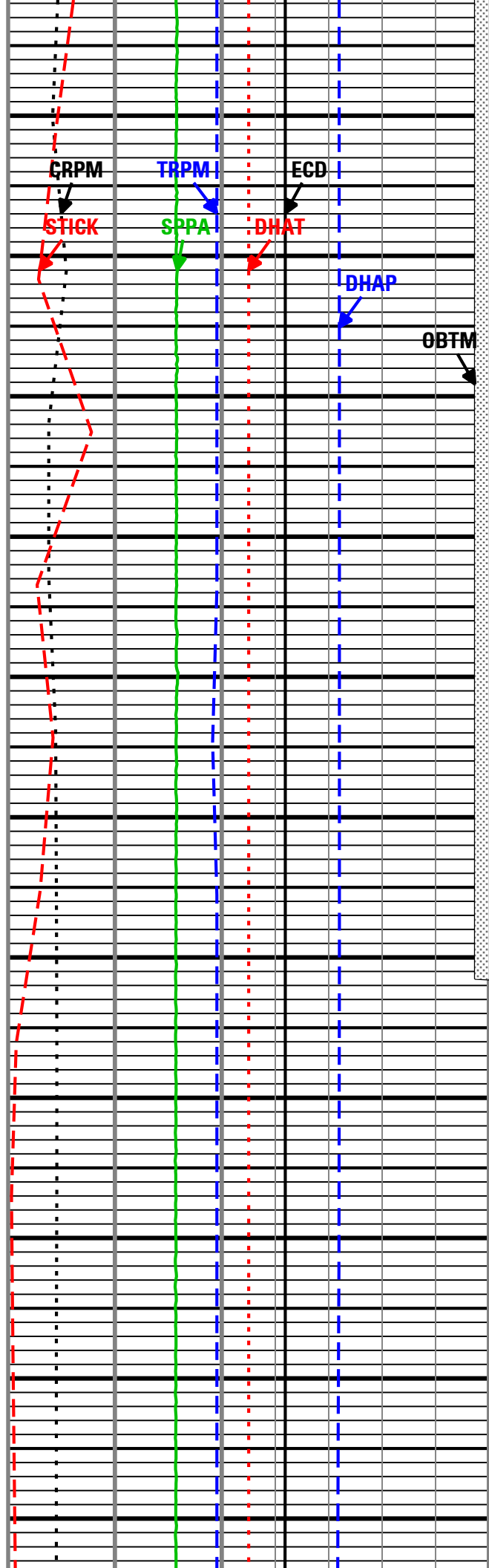
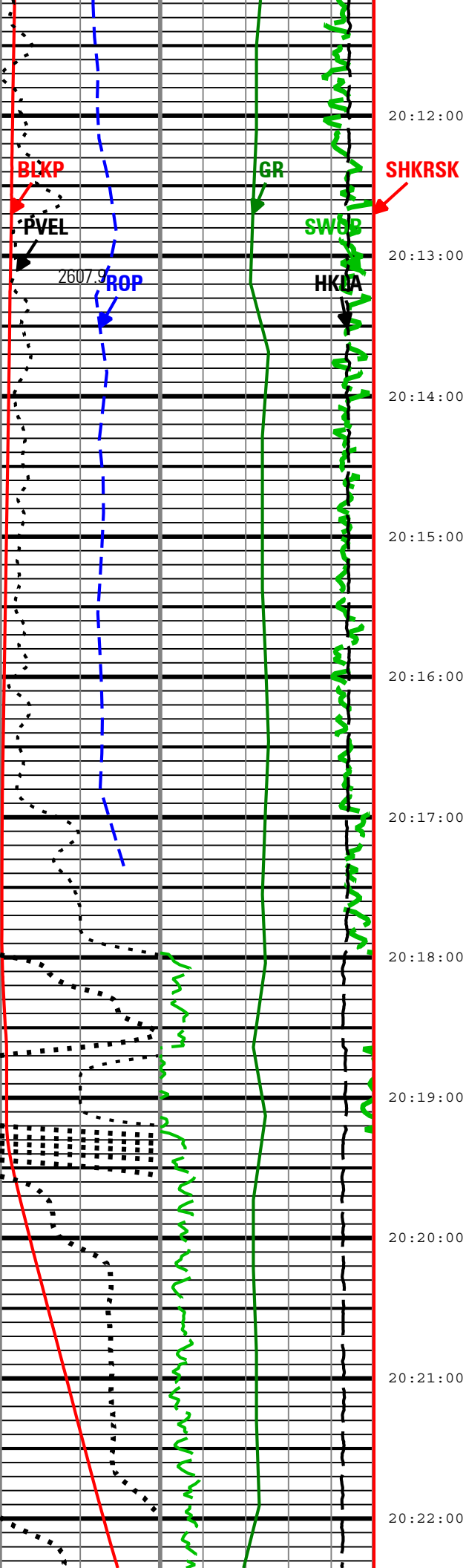


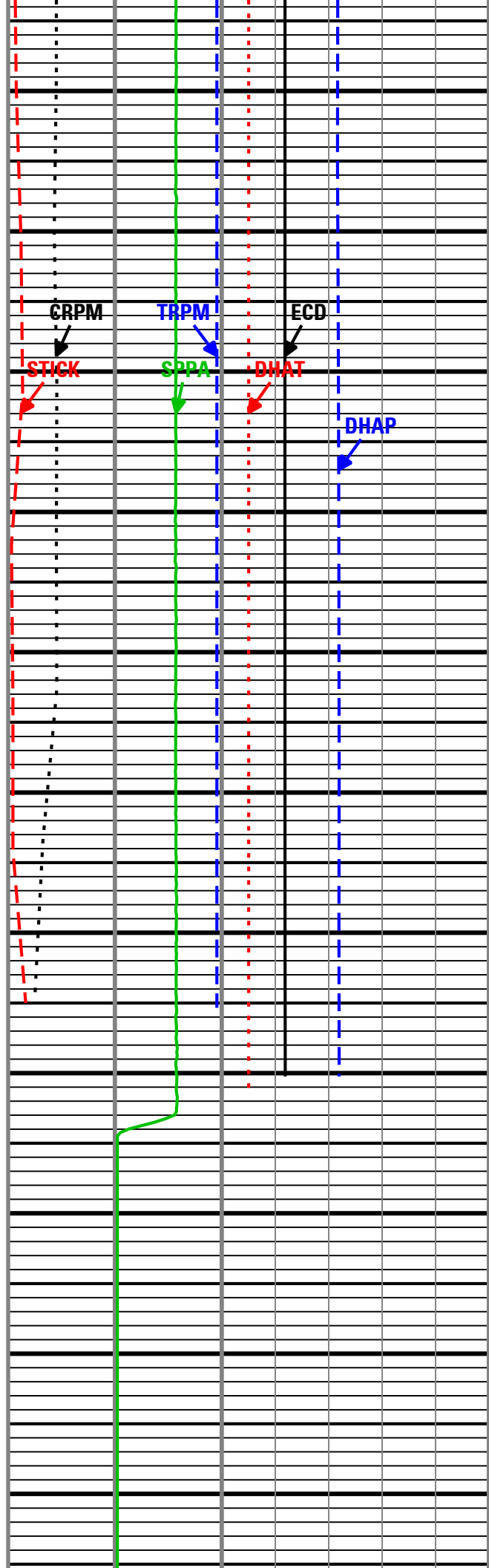
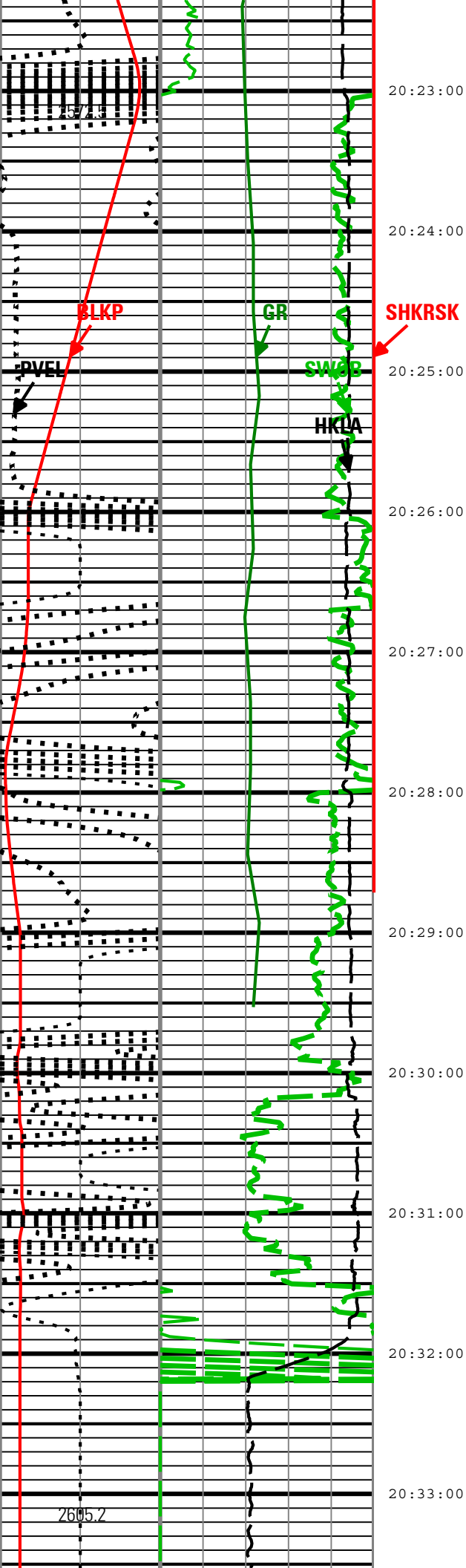
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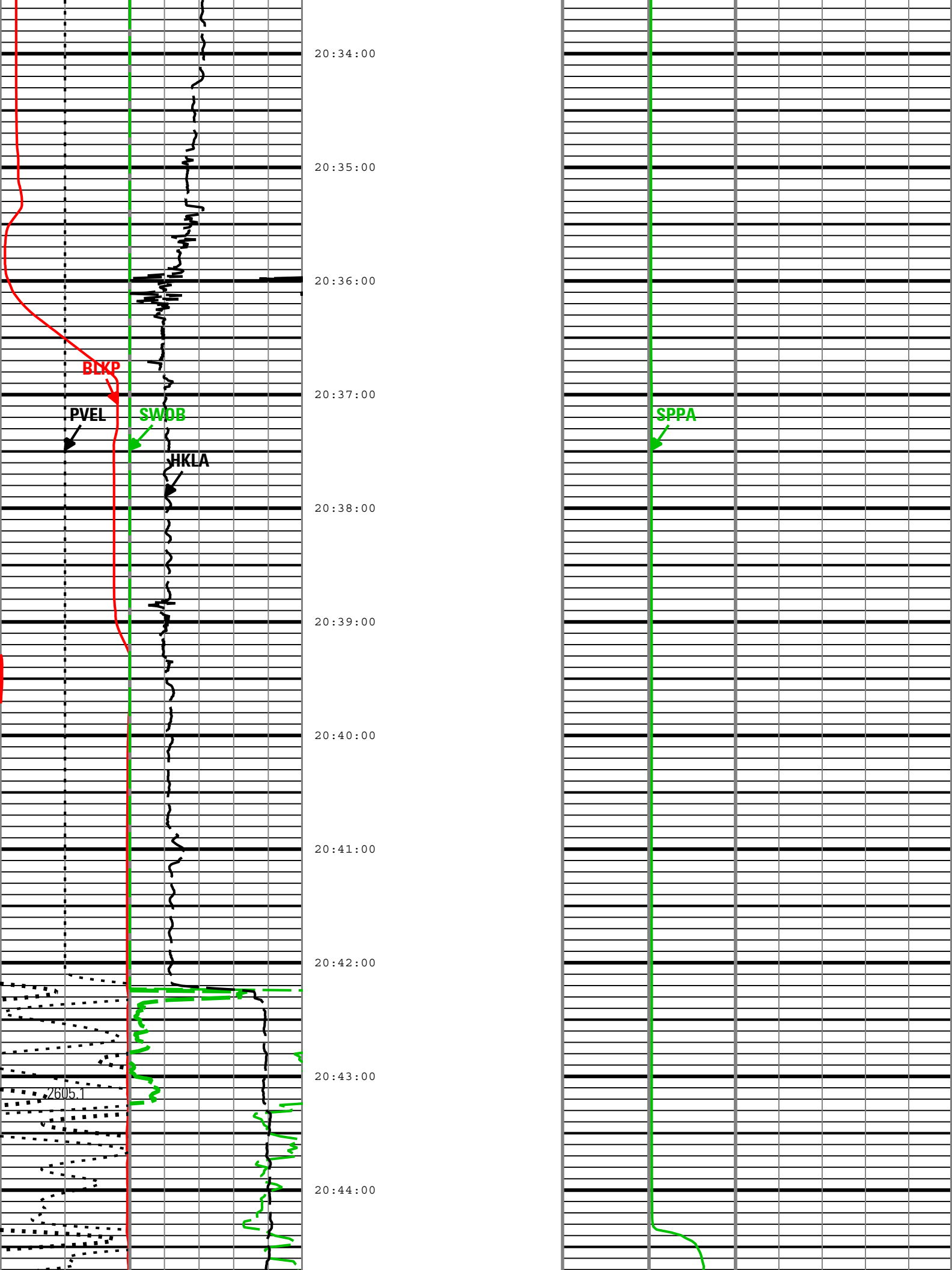


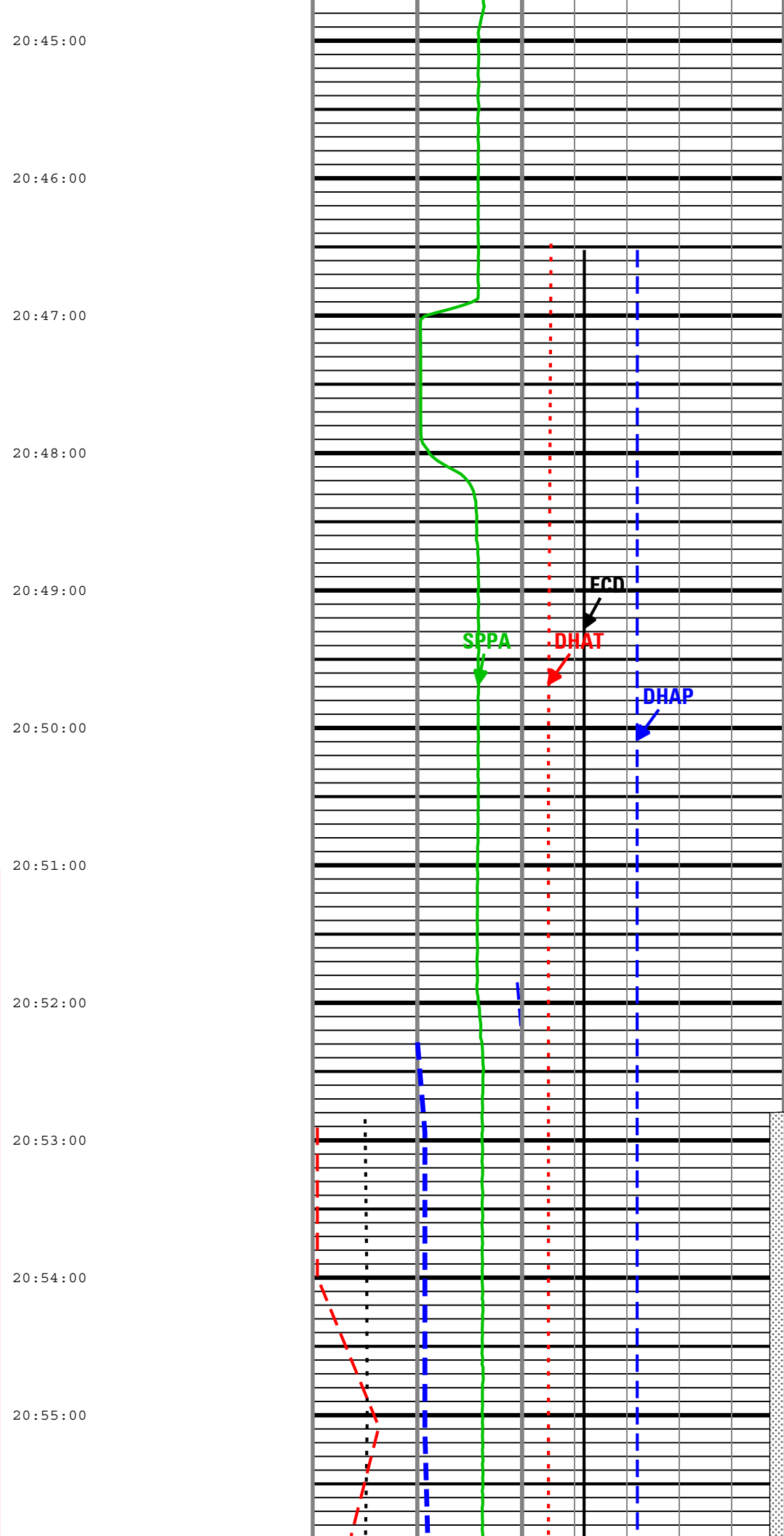
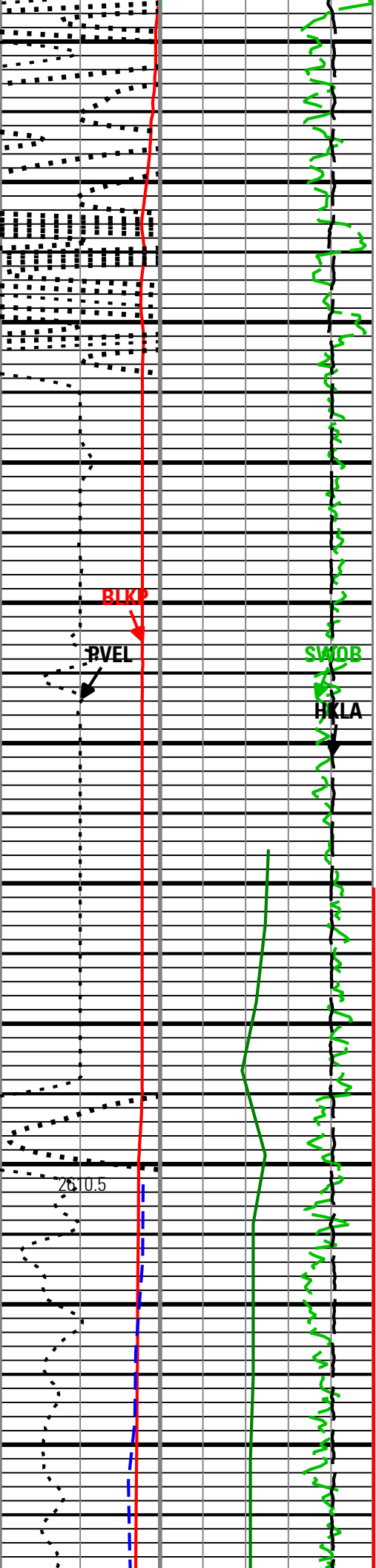
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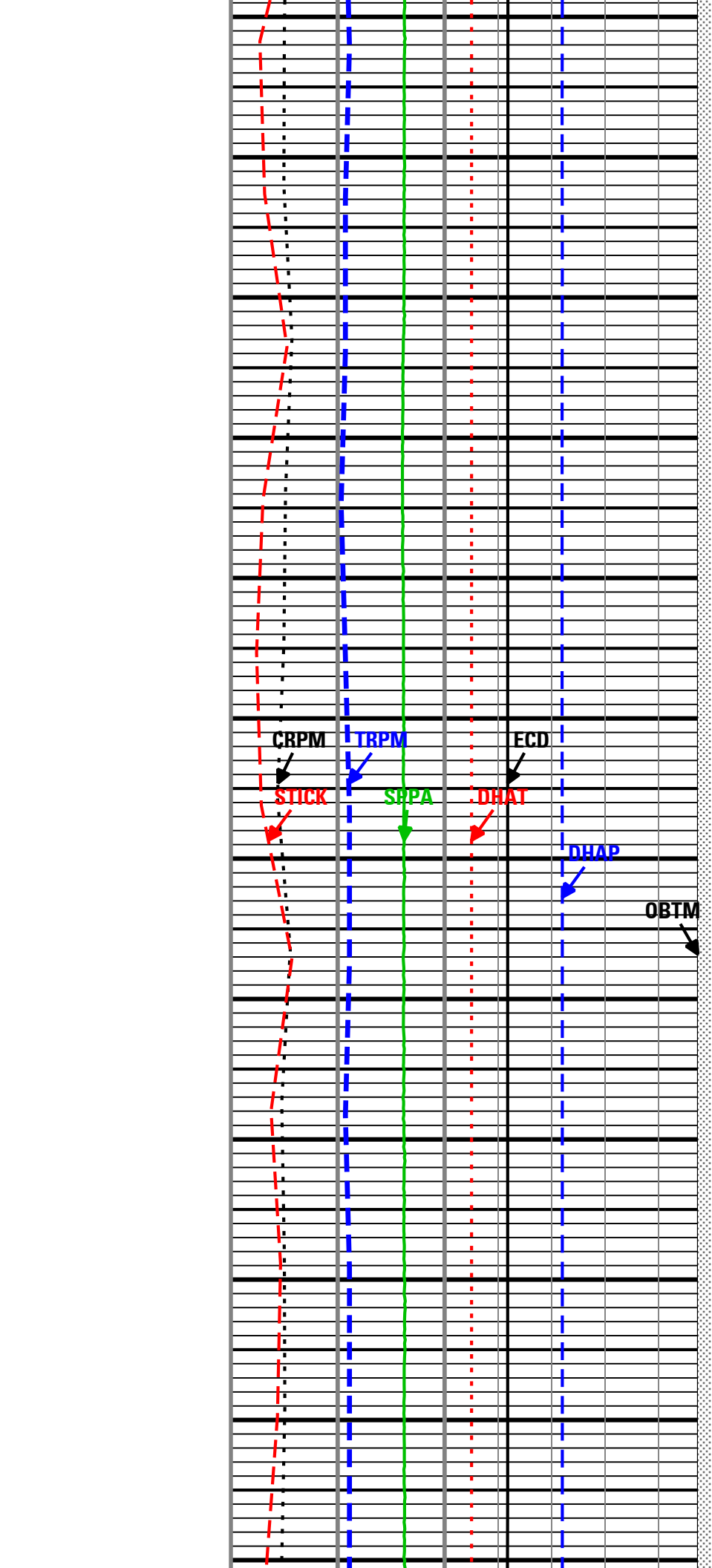
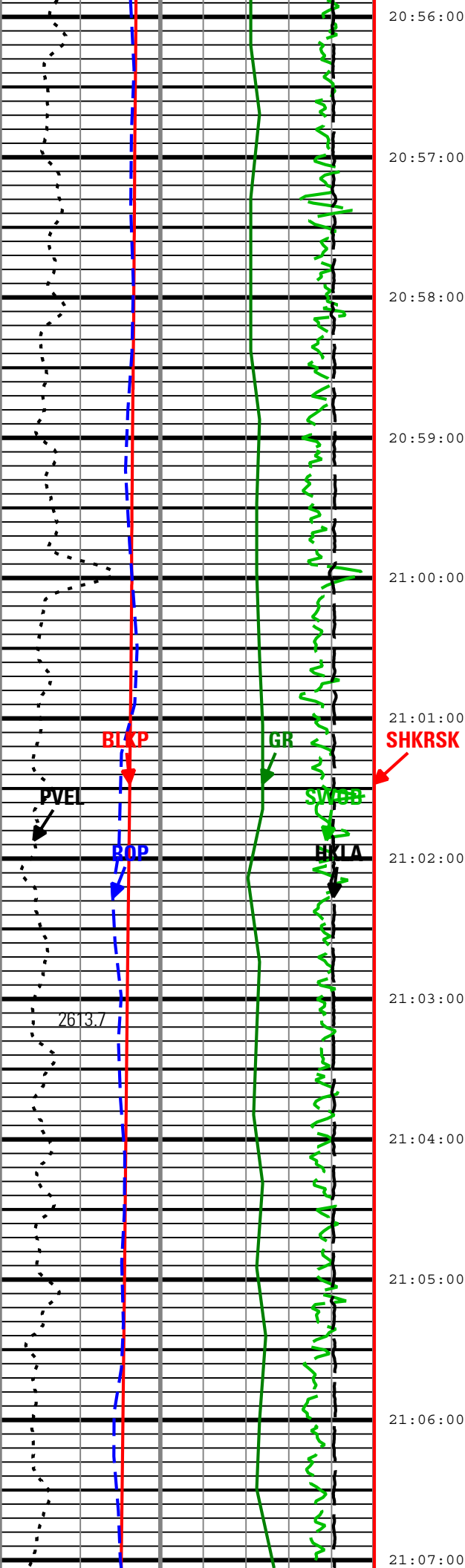


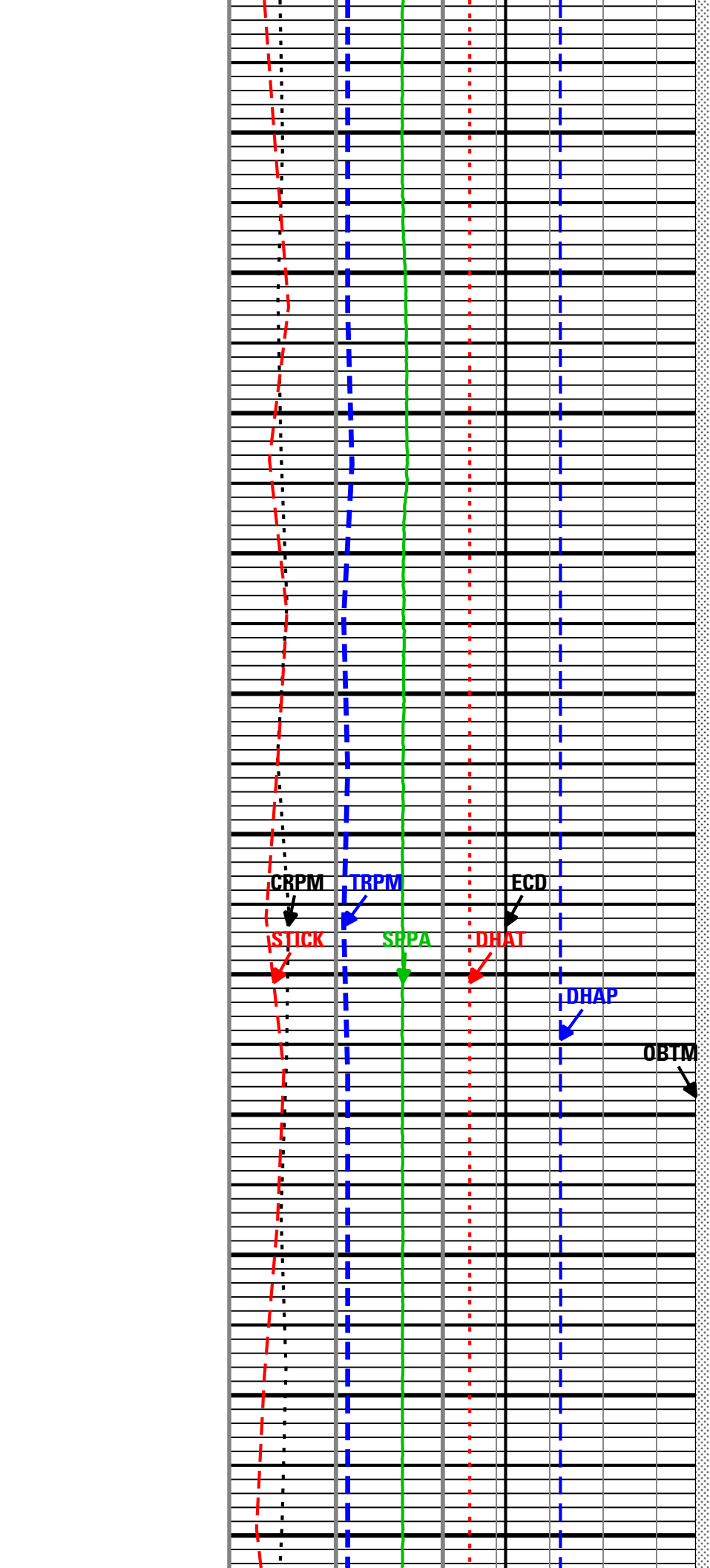
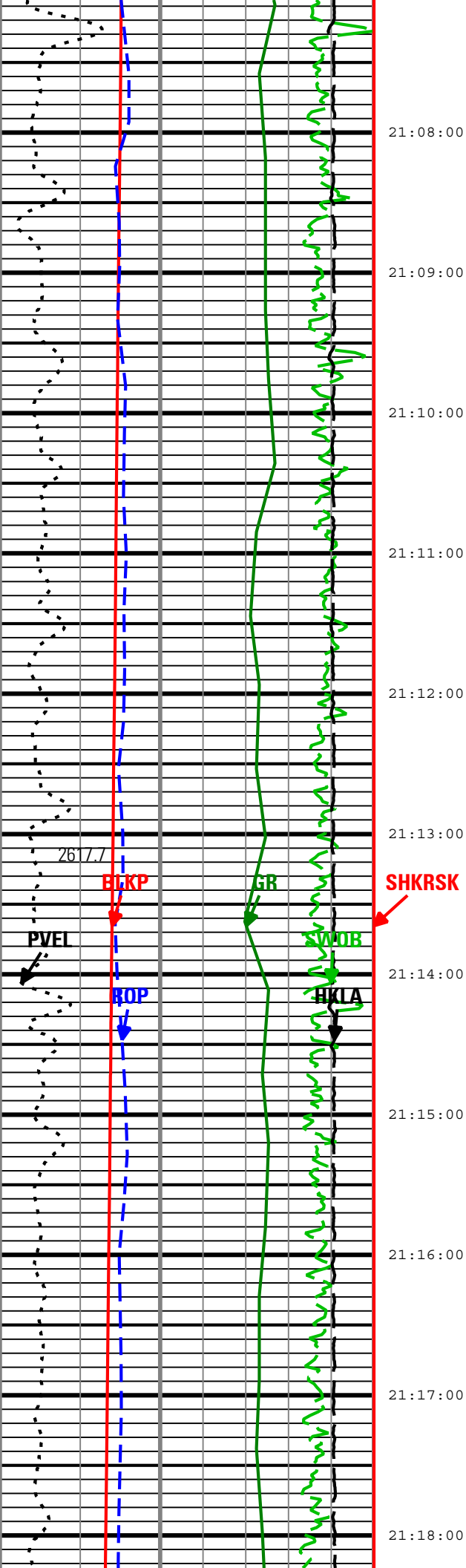


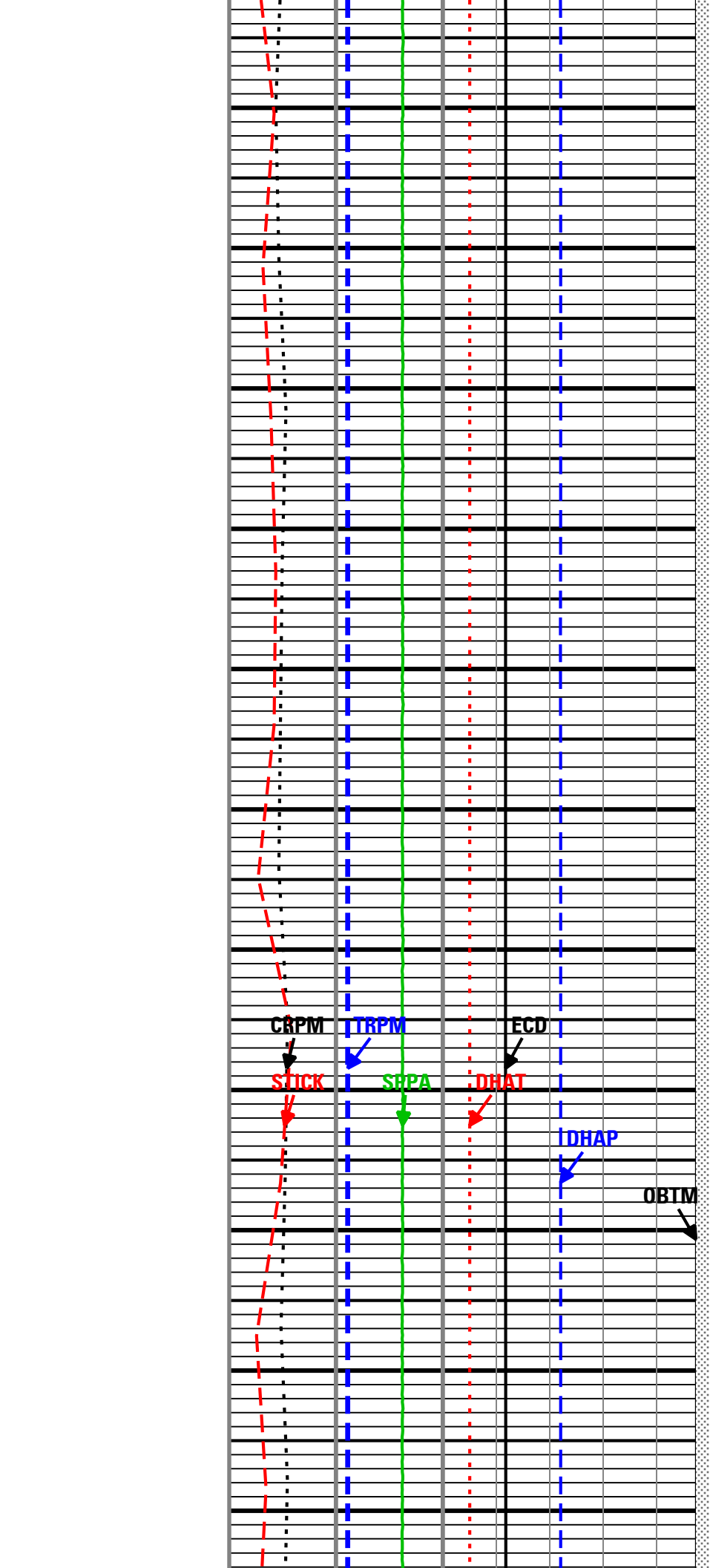
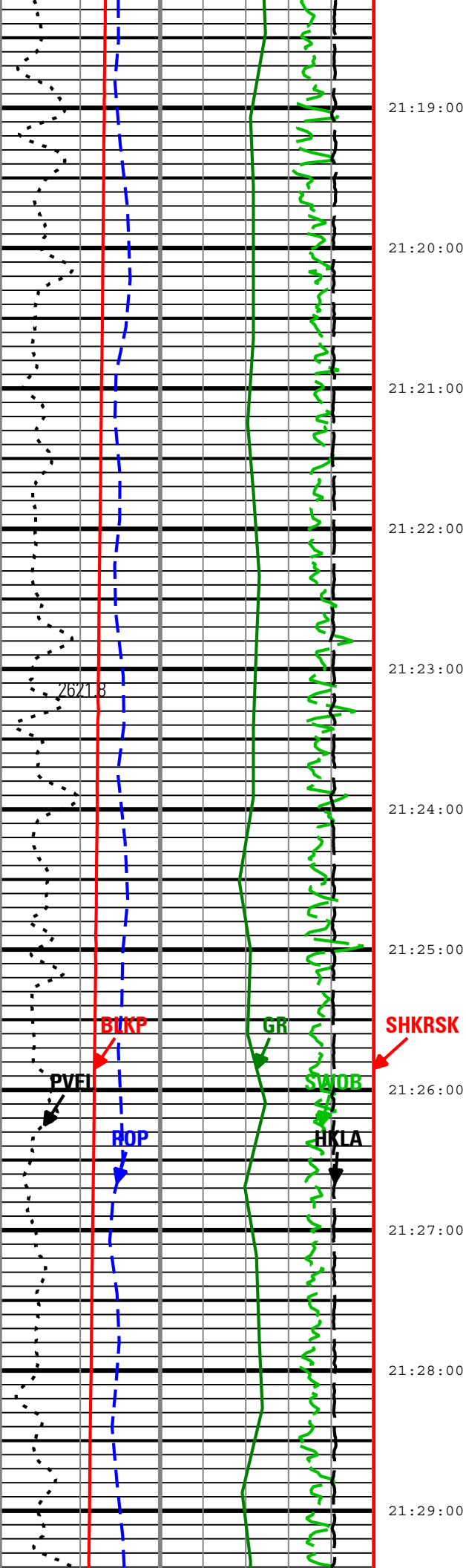


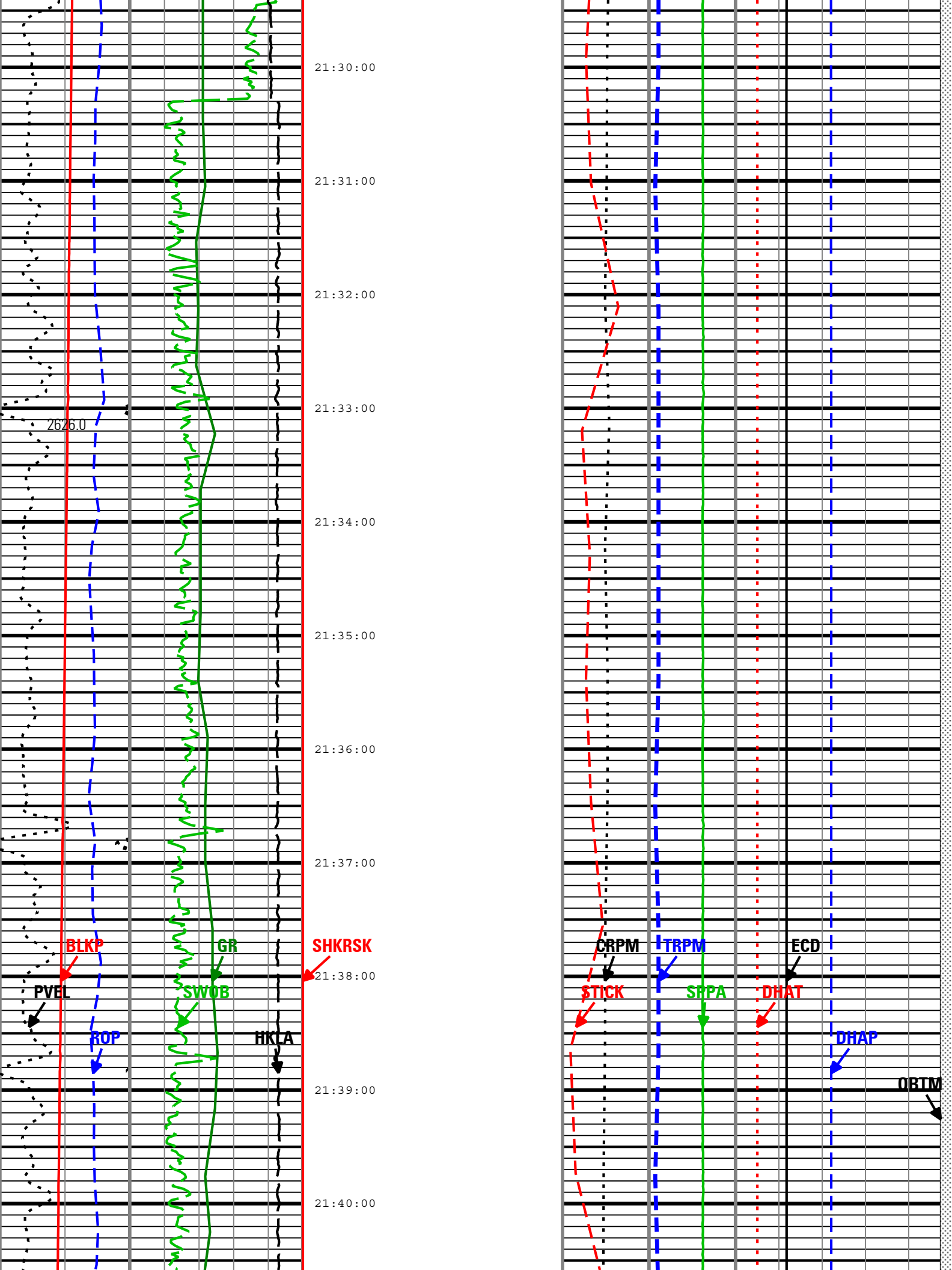


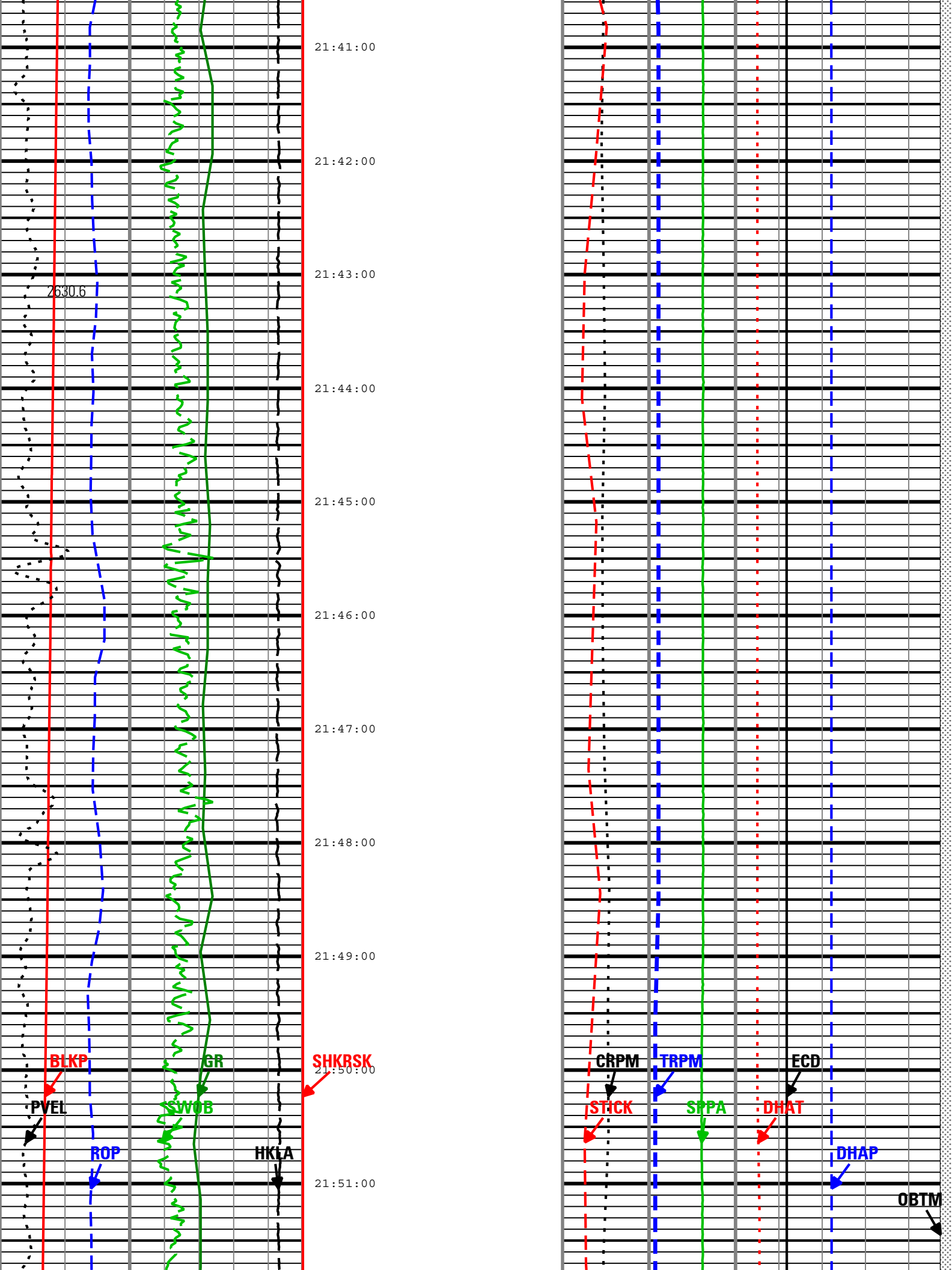


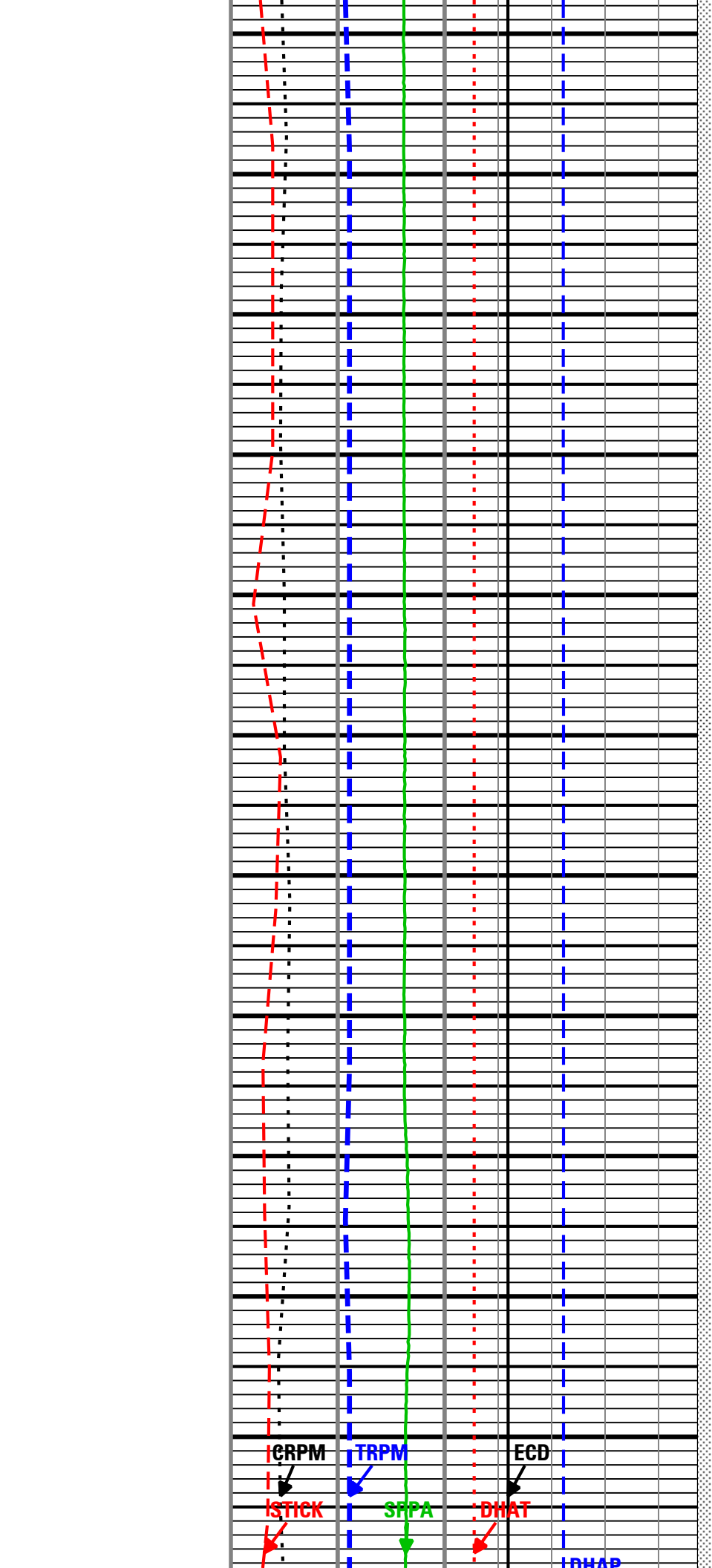
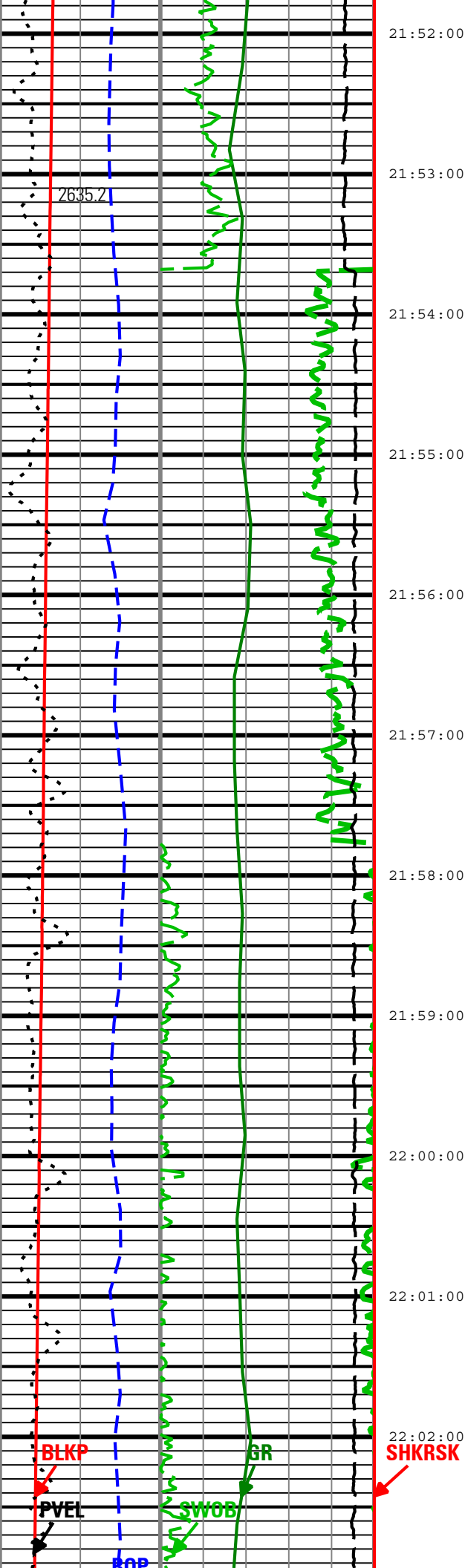


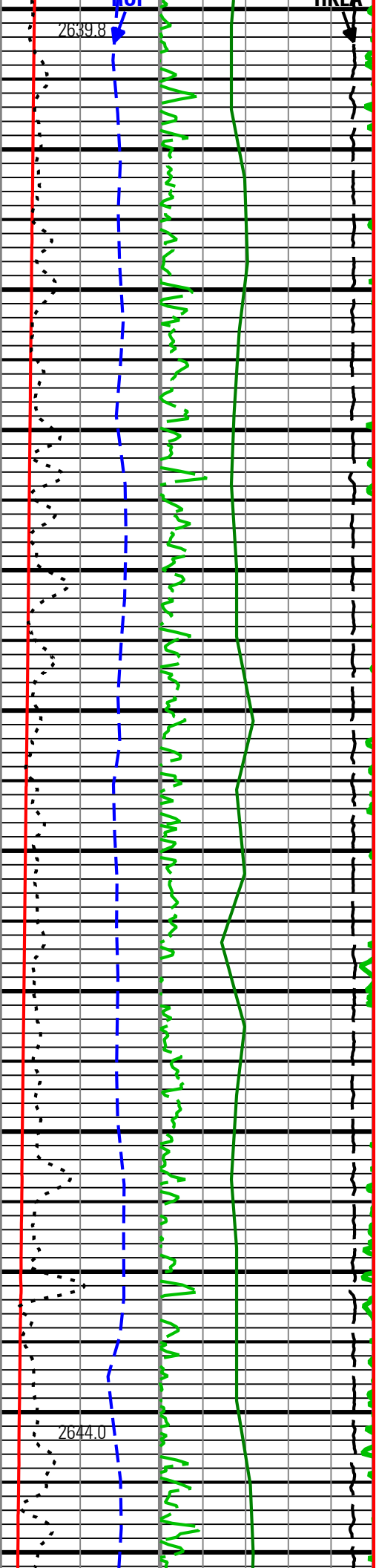




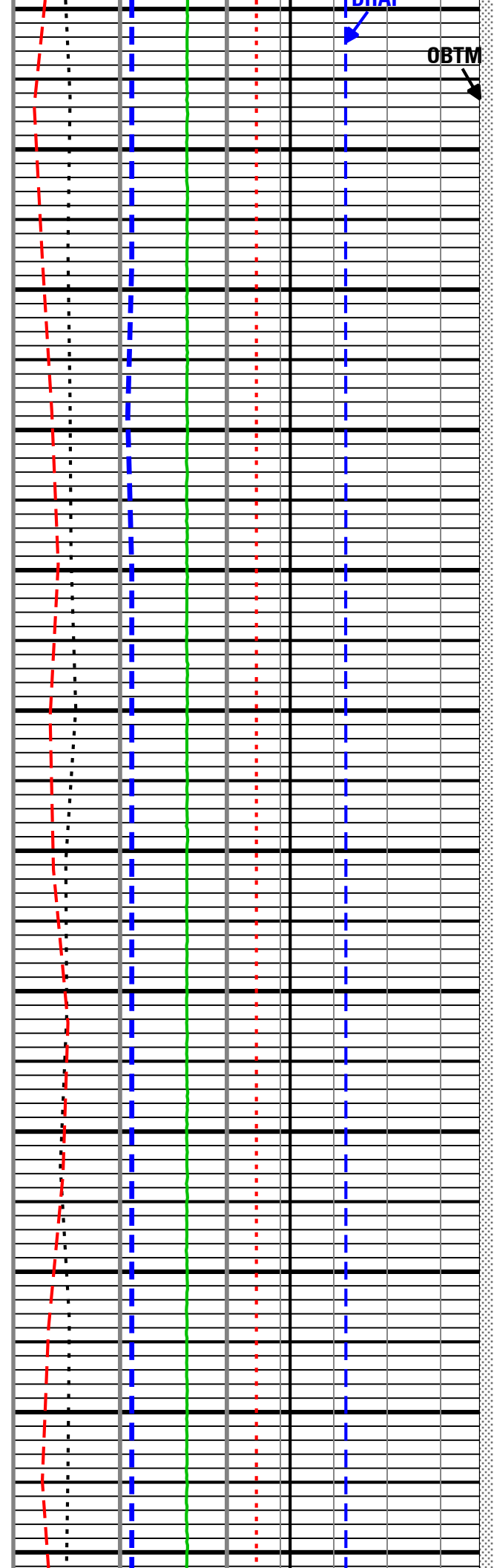


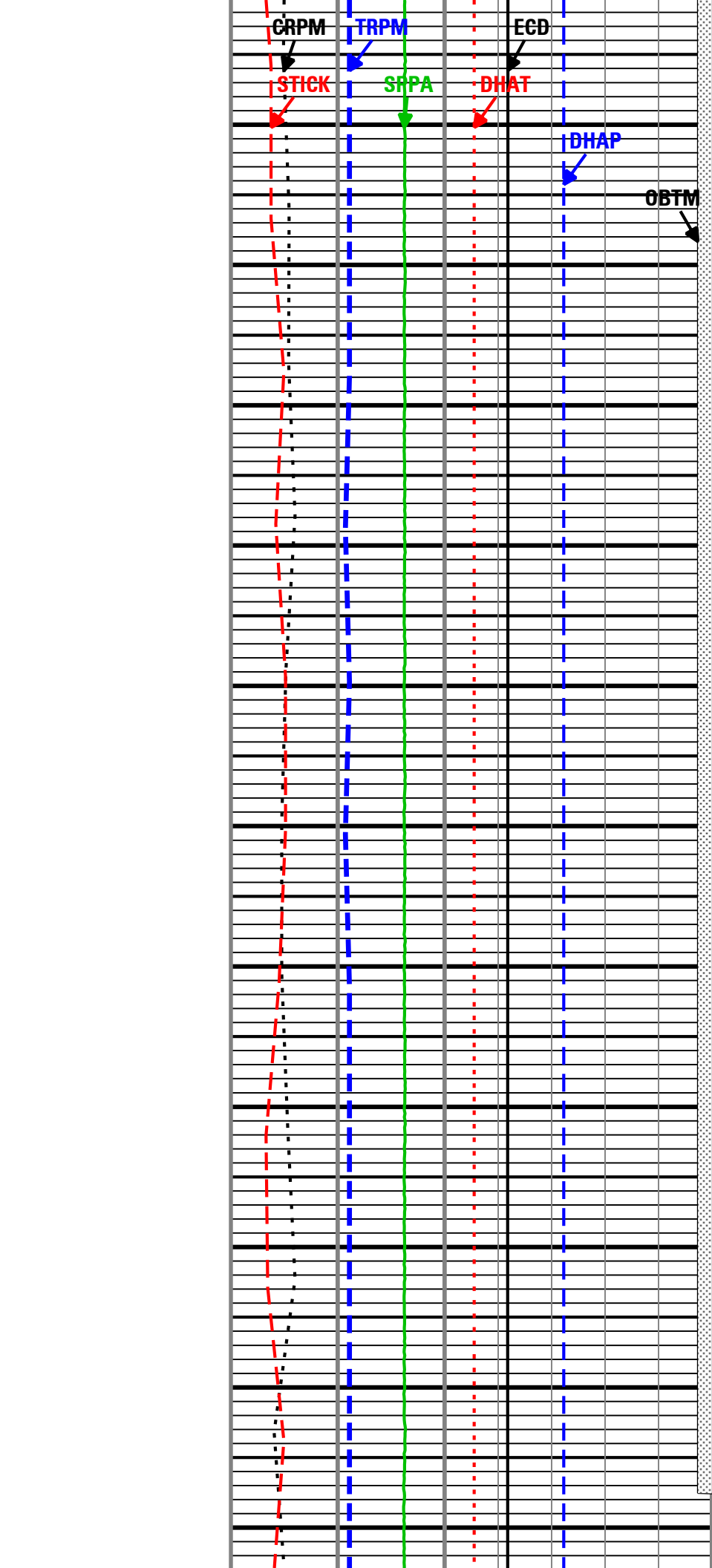
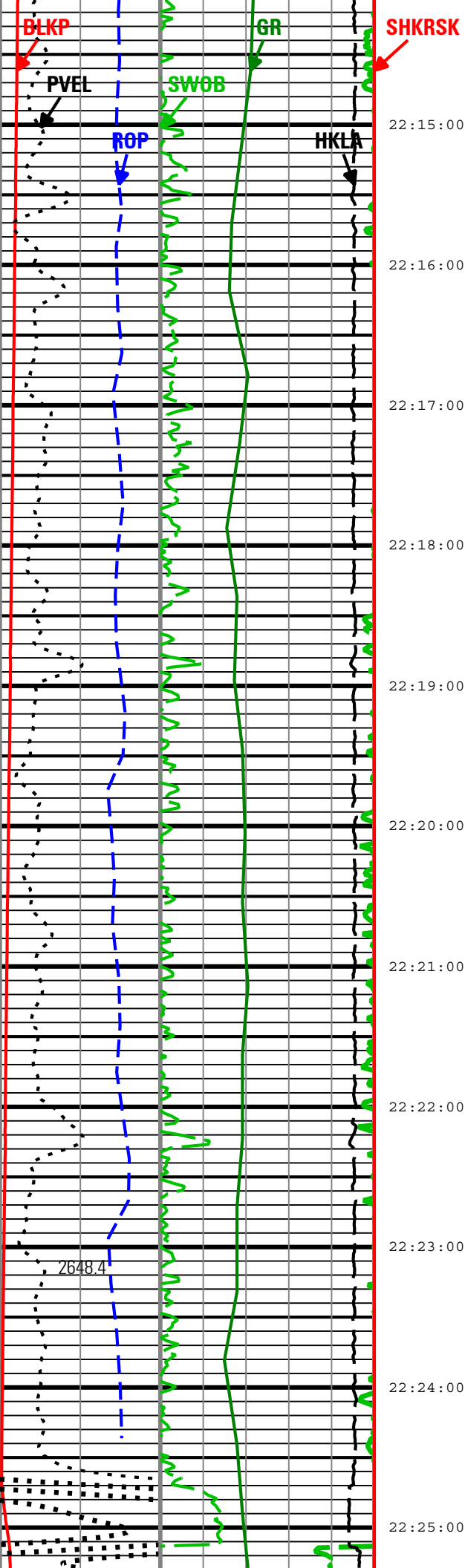


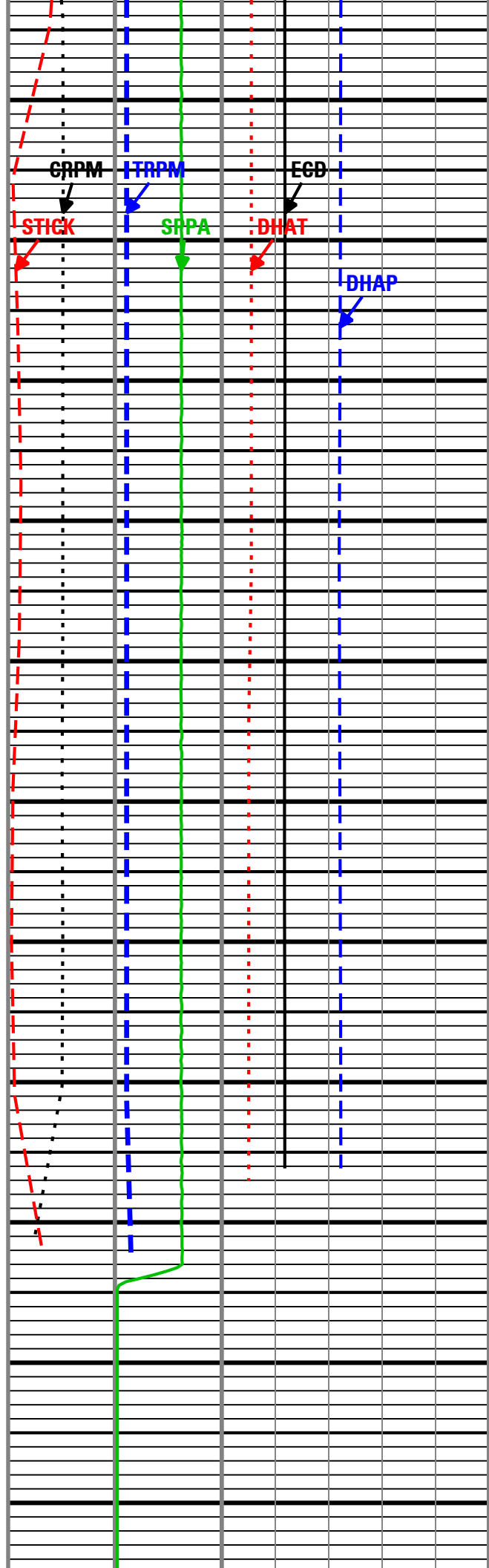
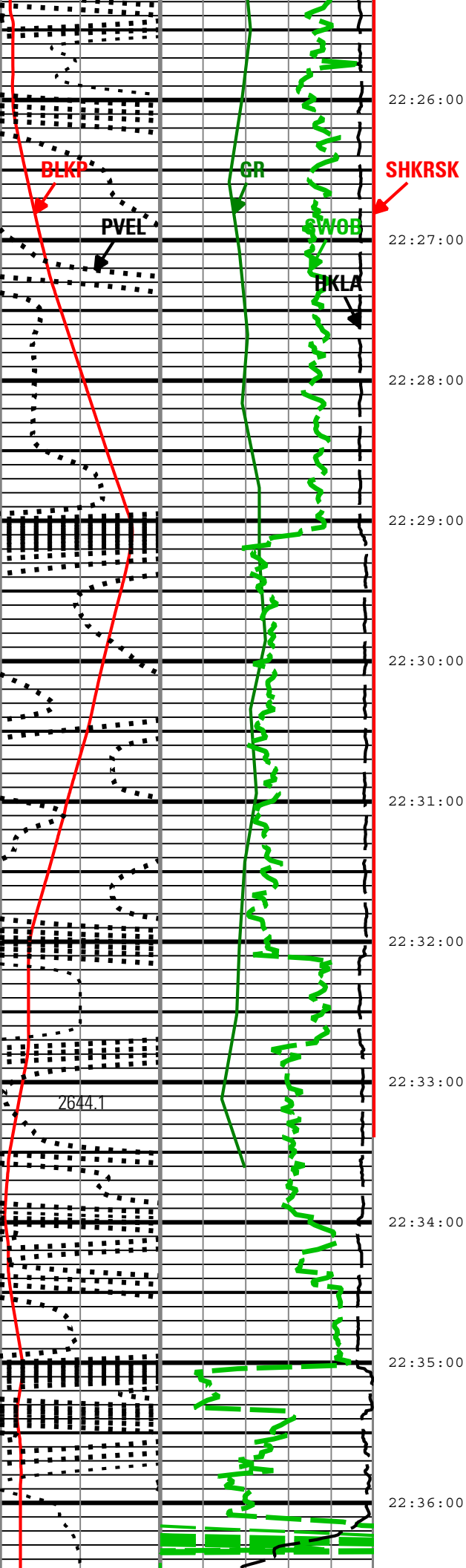


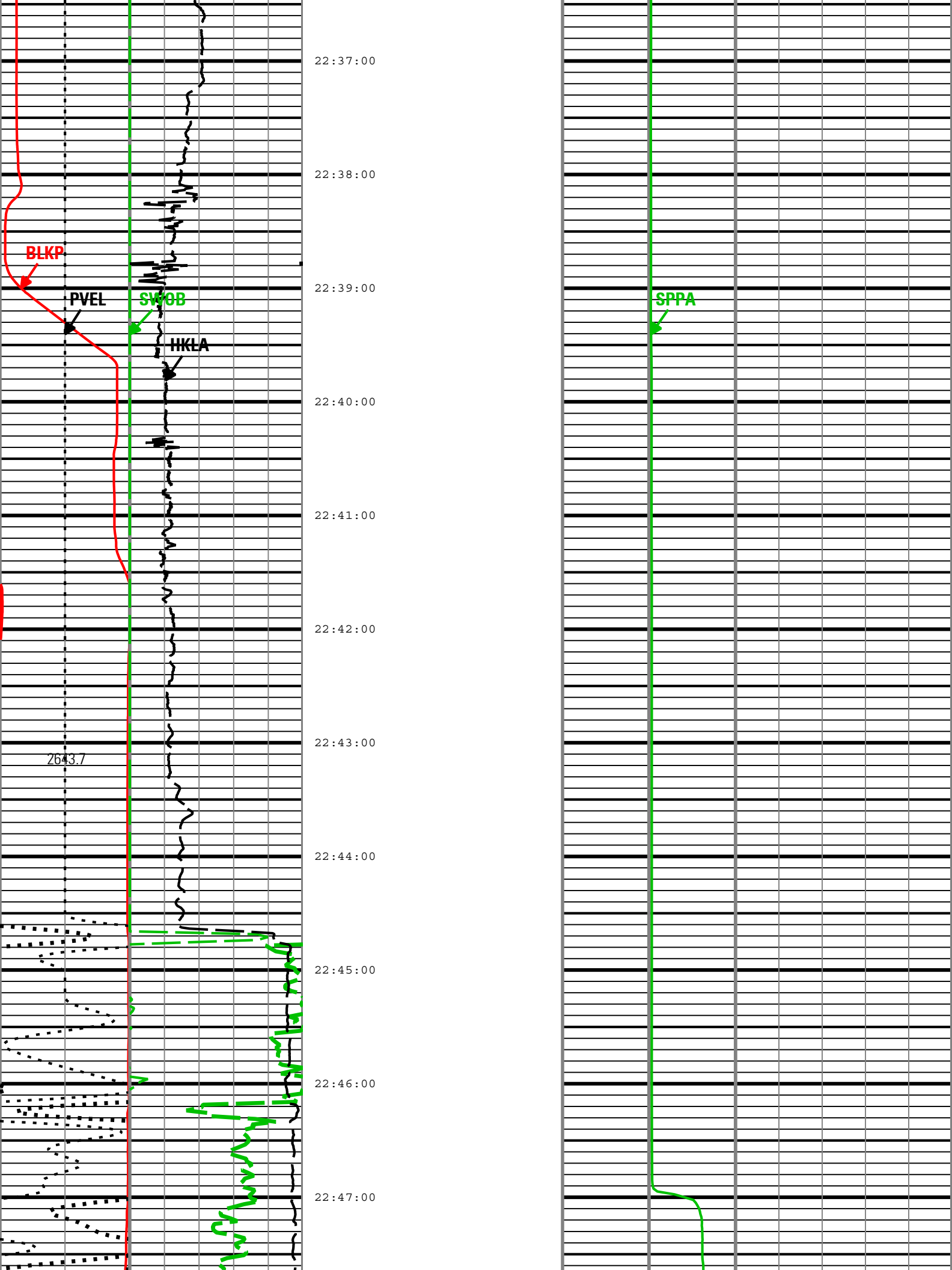


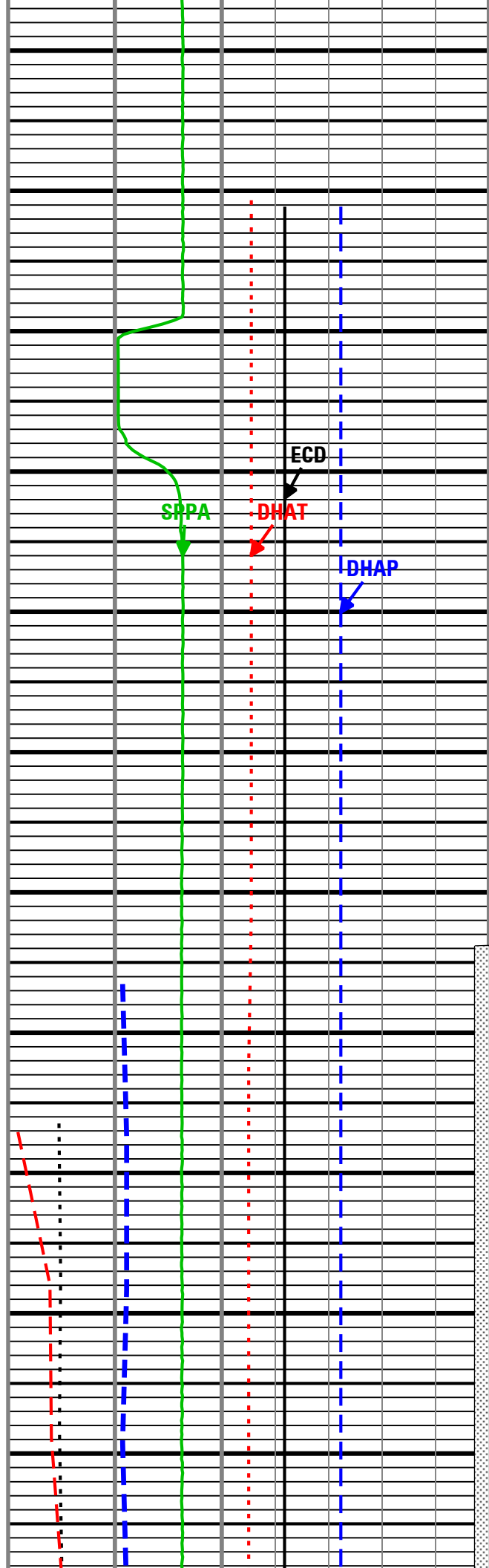
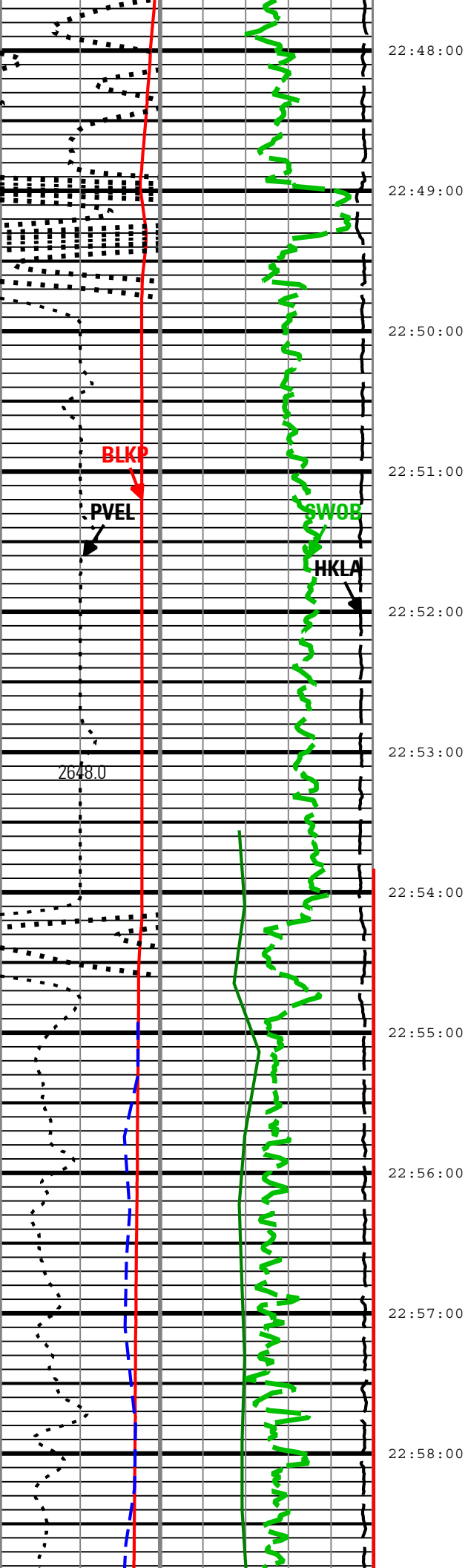
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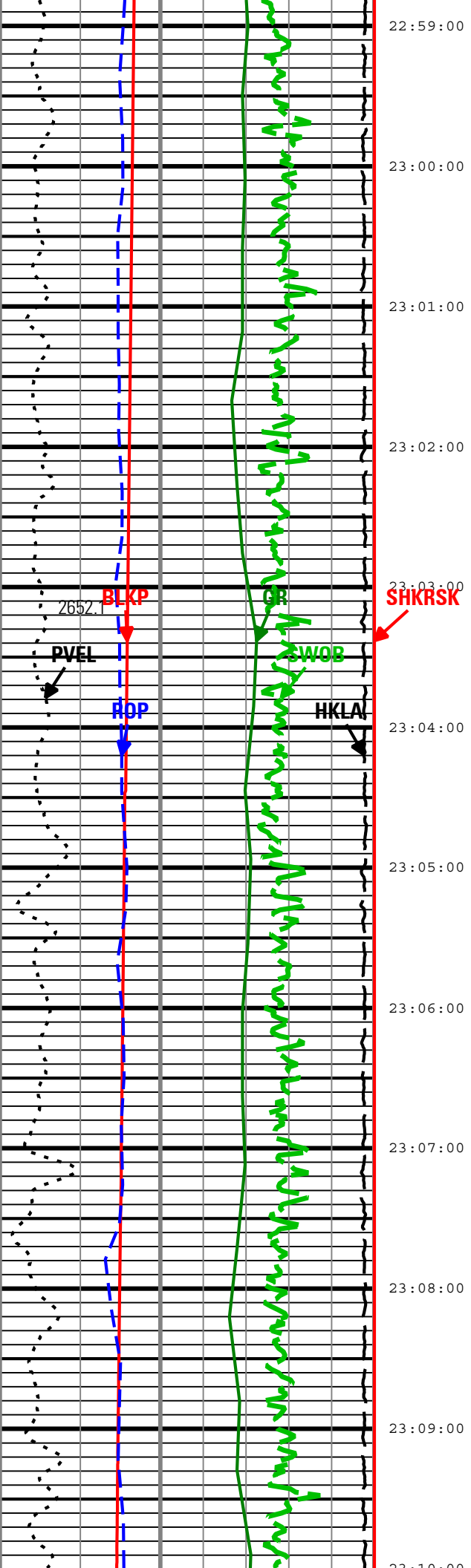




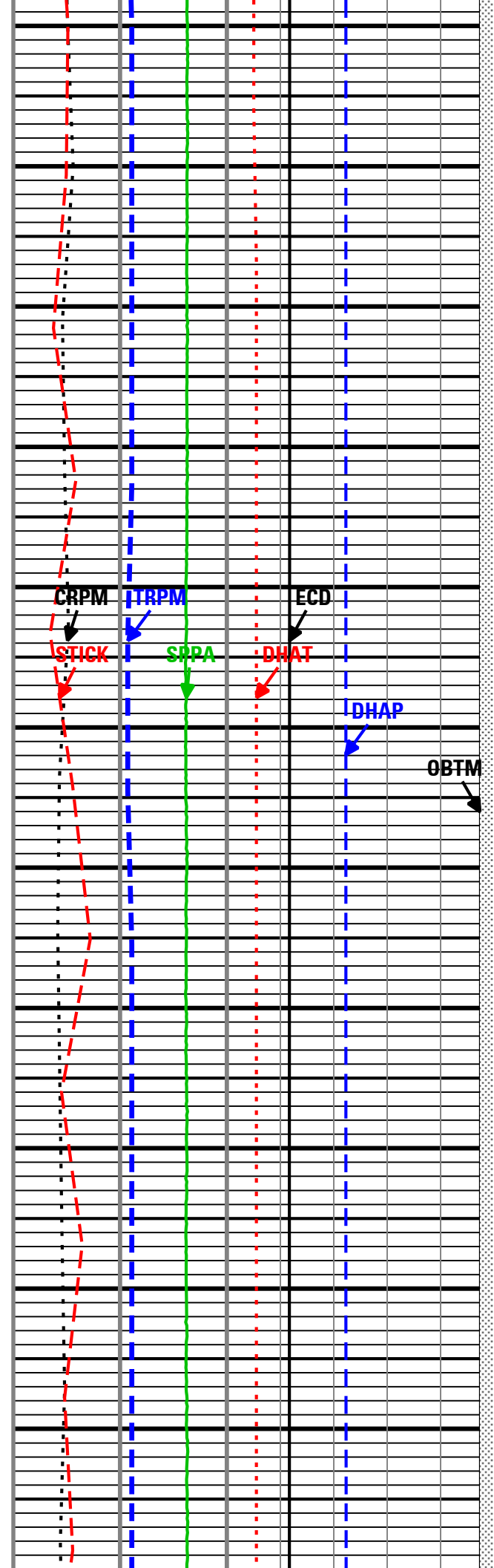




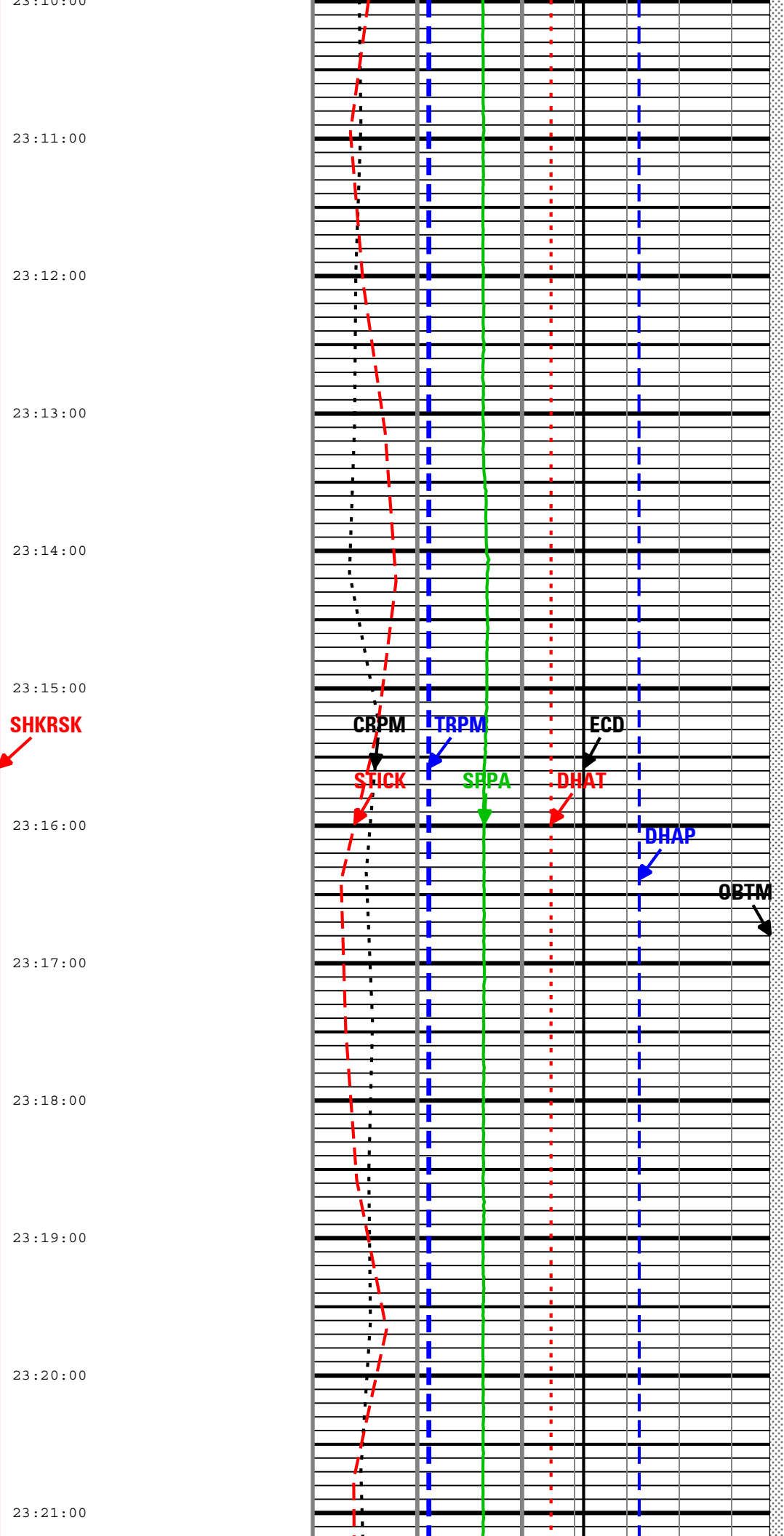
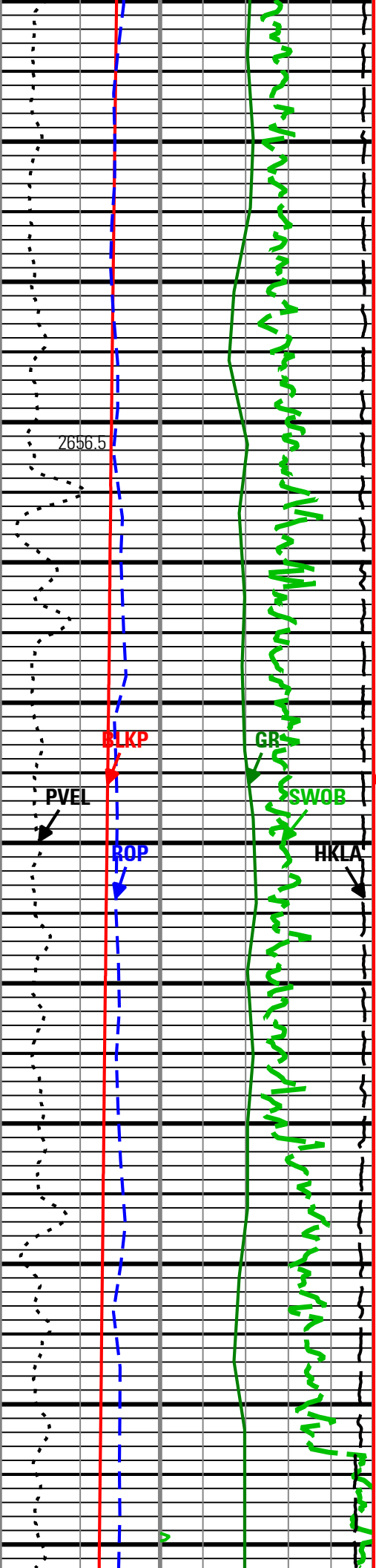


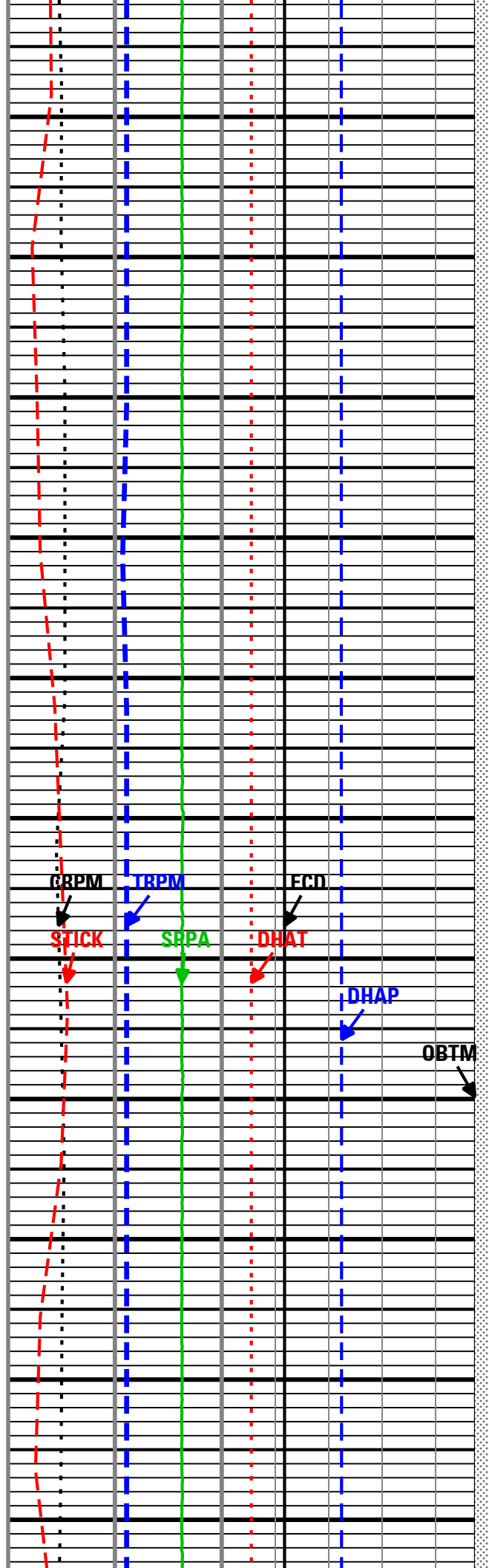
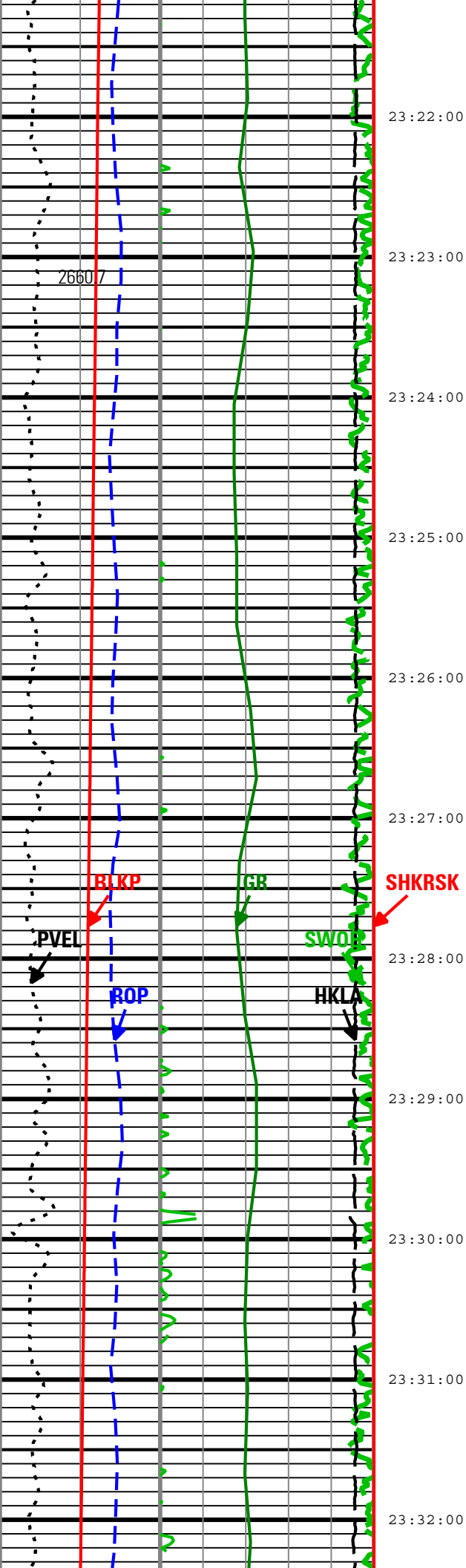


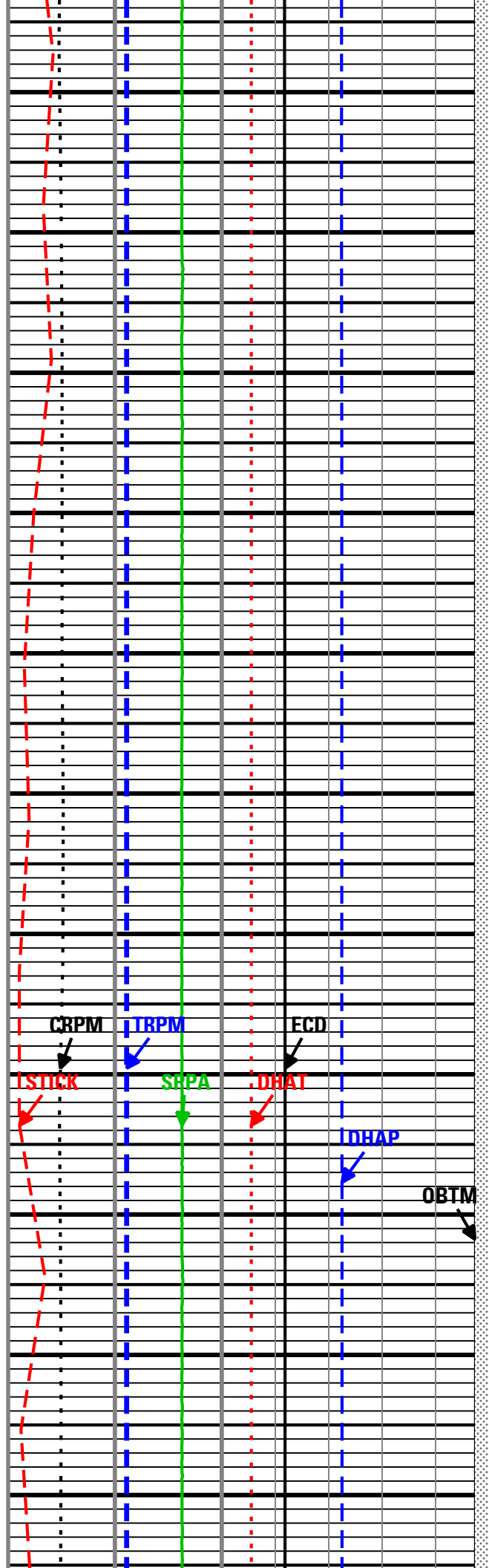
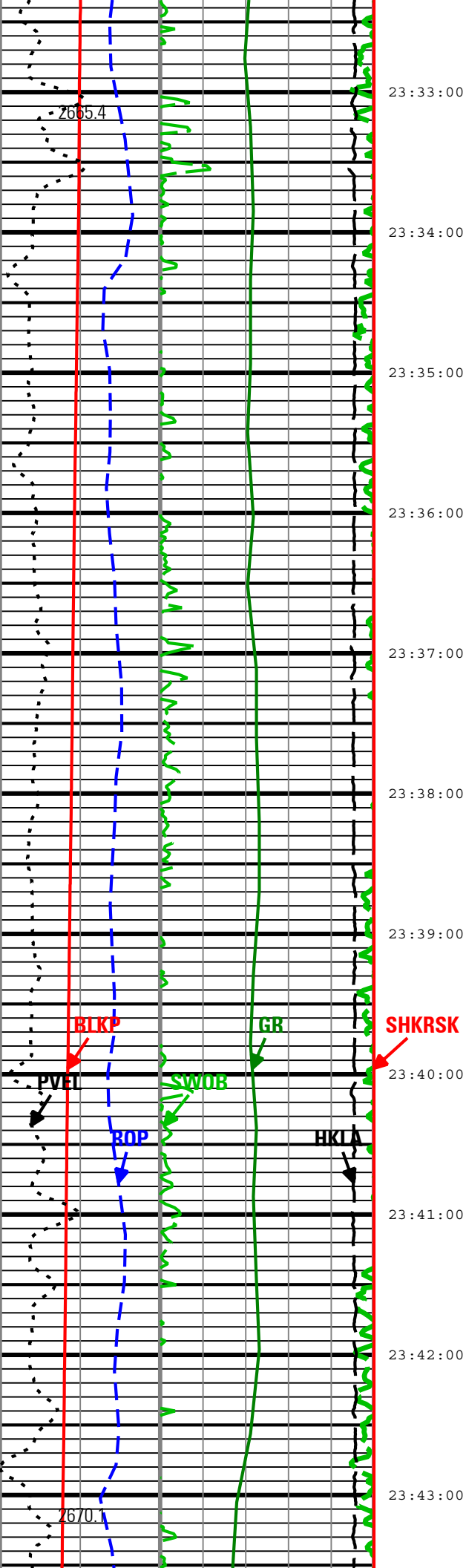
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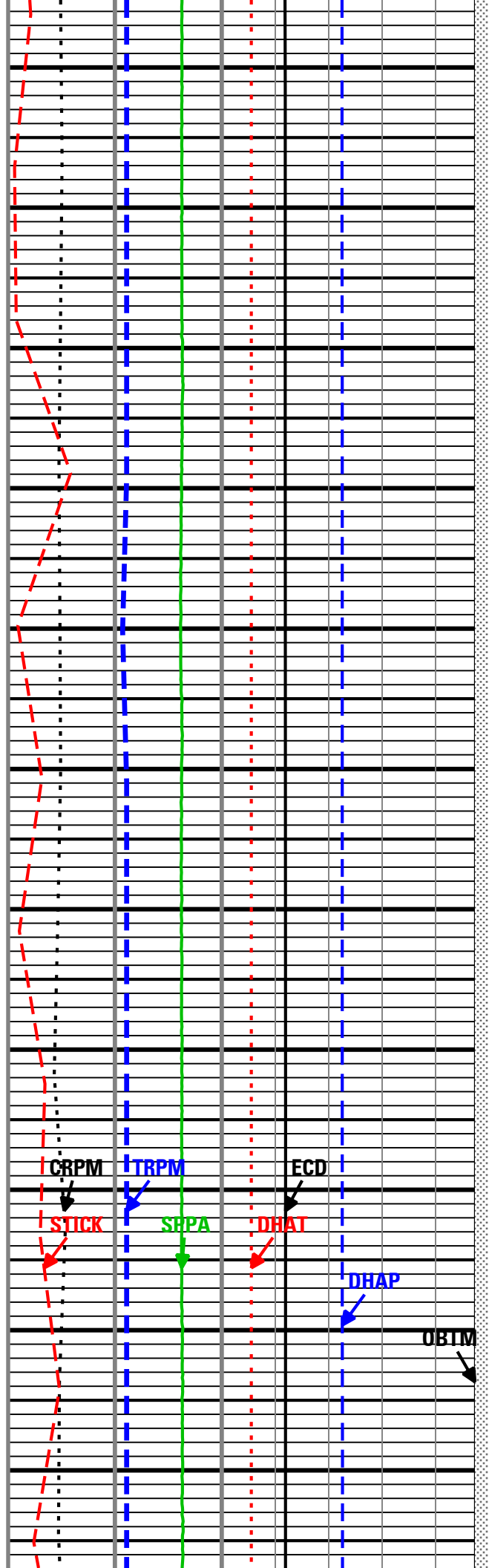
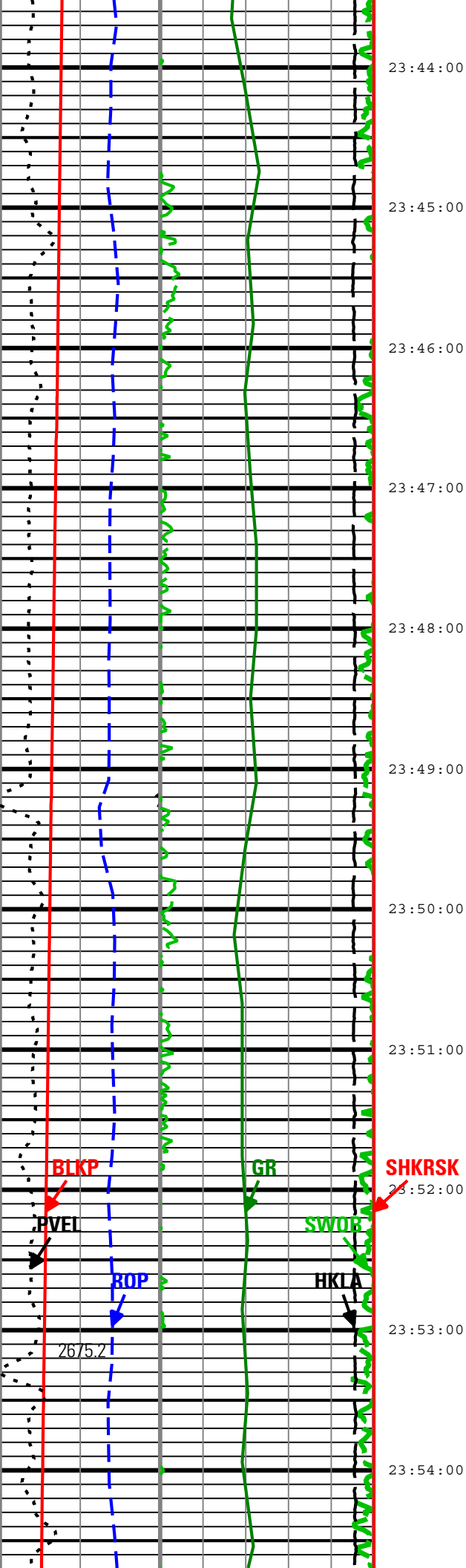


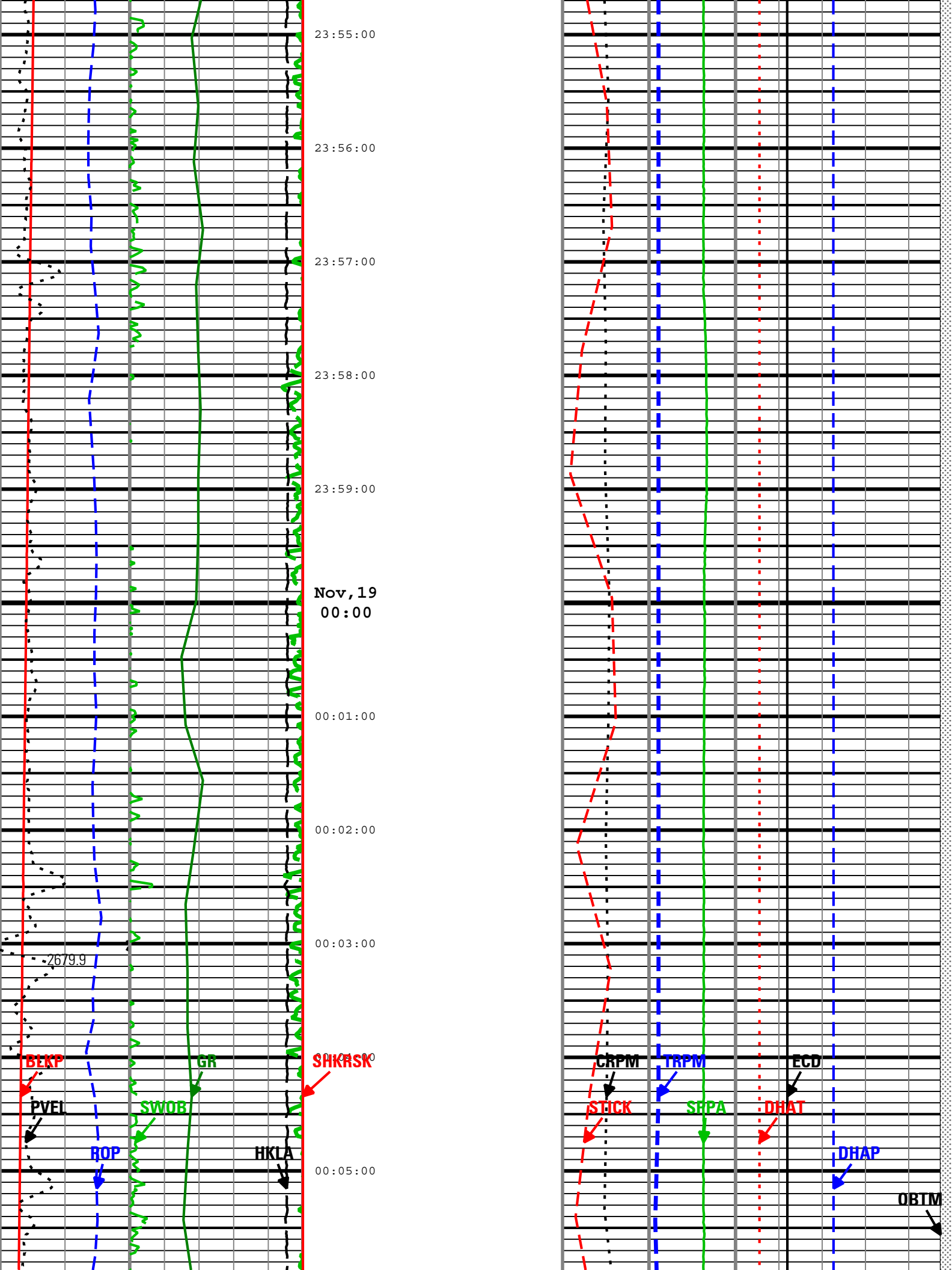
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-2679.9

BEKP

PVEI

ROP

GR

SWOB

HKLA

SHKRSK⁰

CRPM

STICK

TRPM

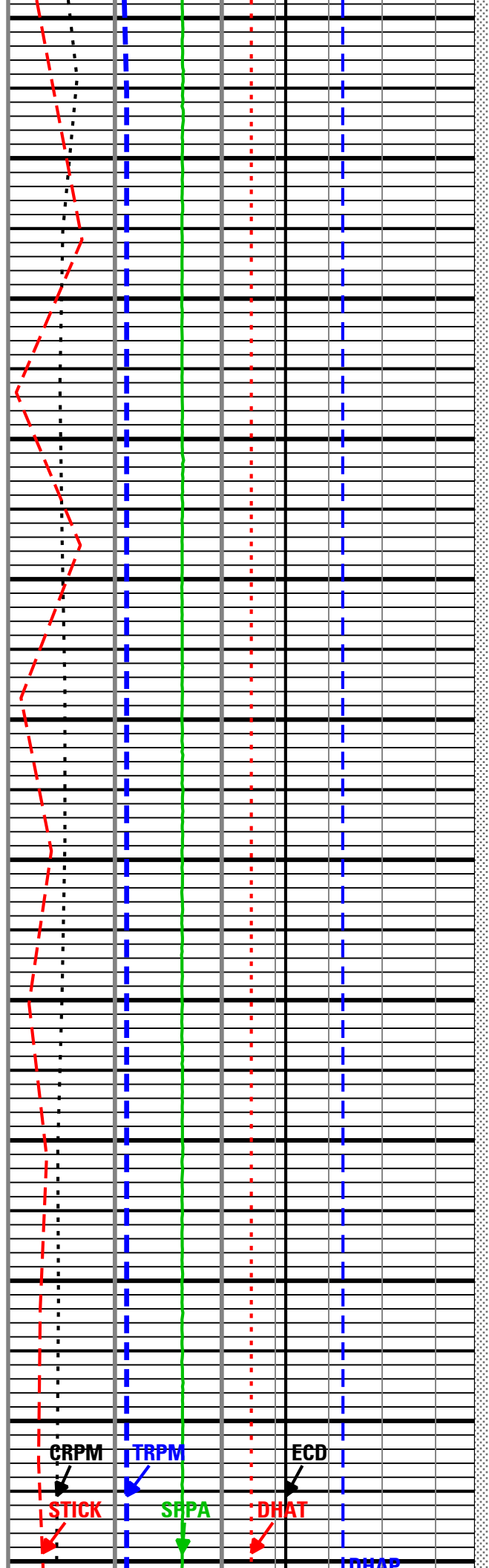
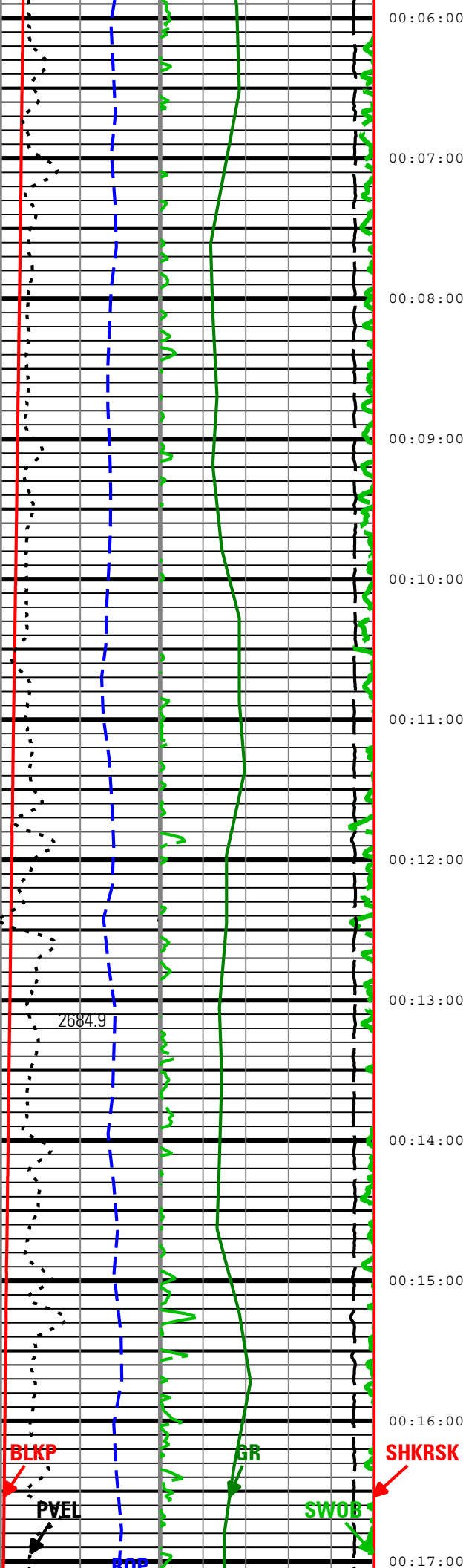
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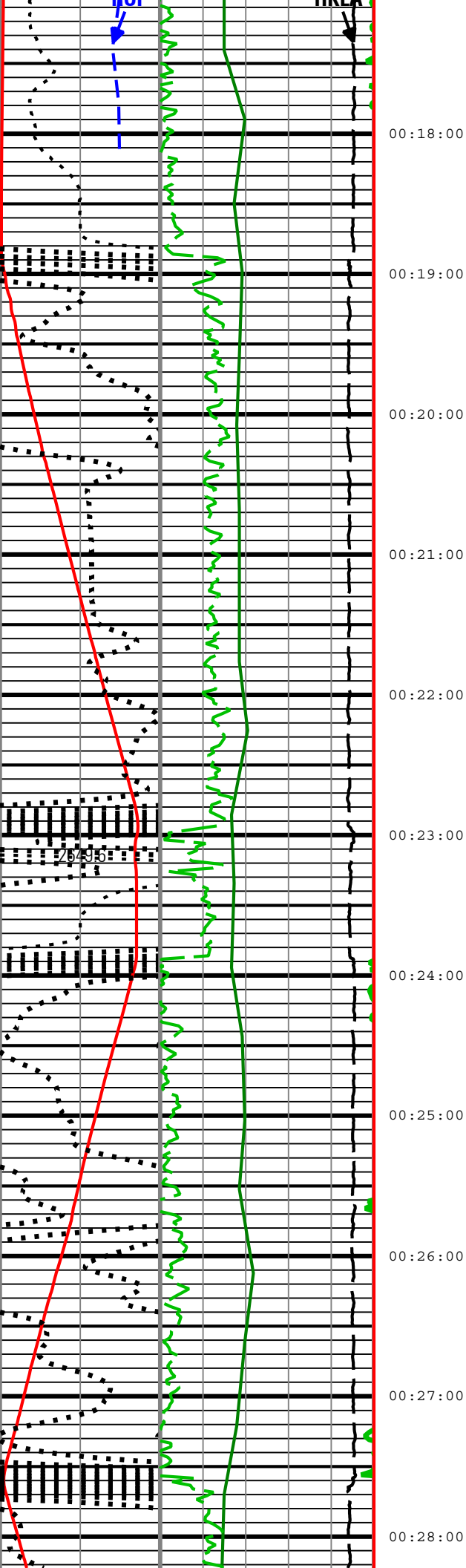
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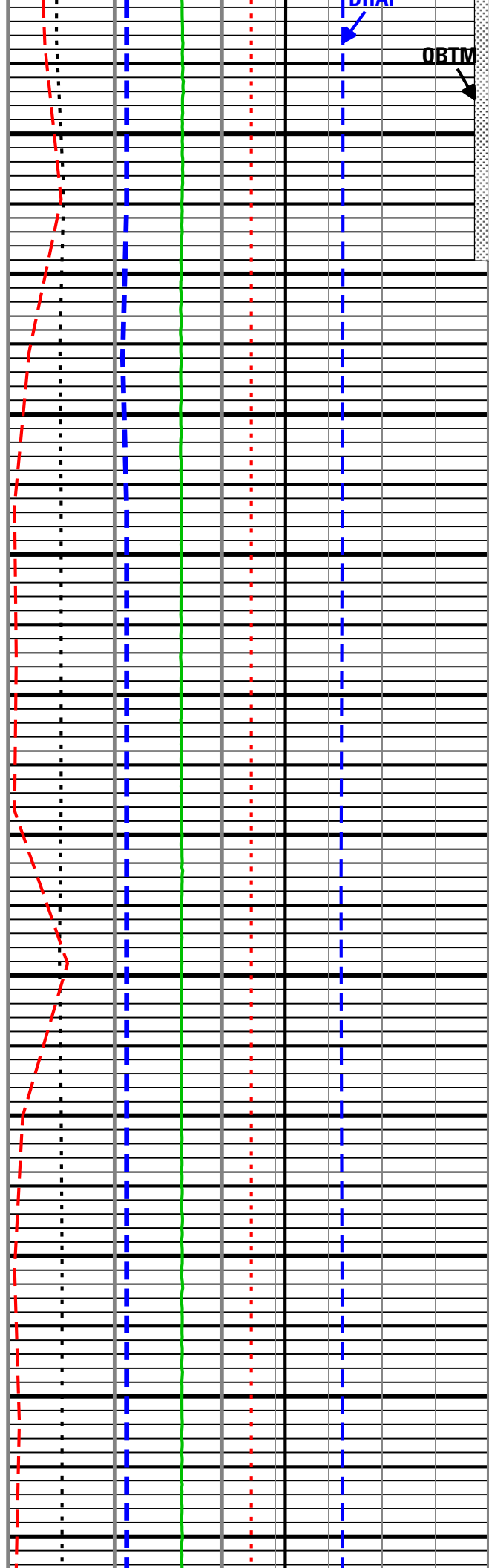
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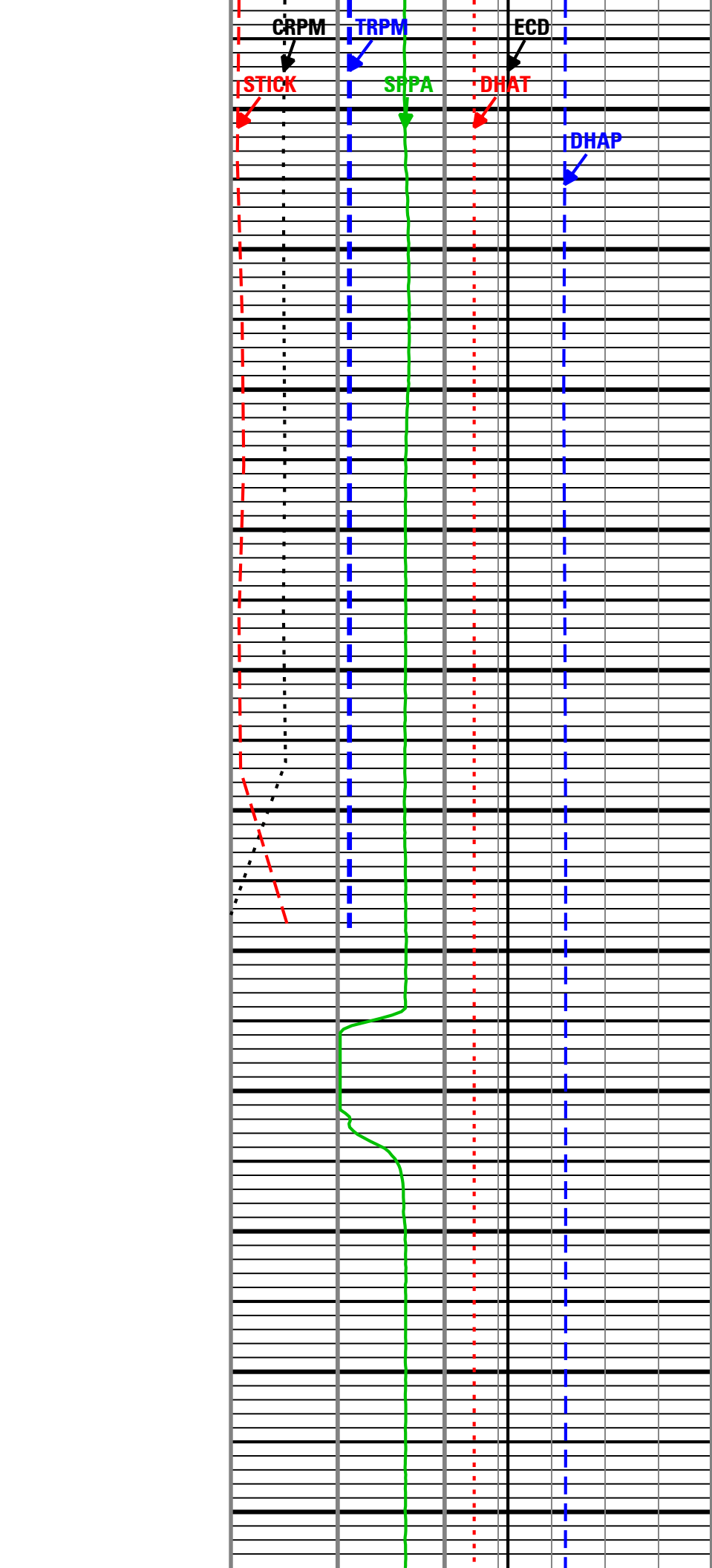
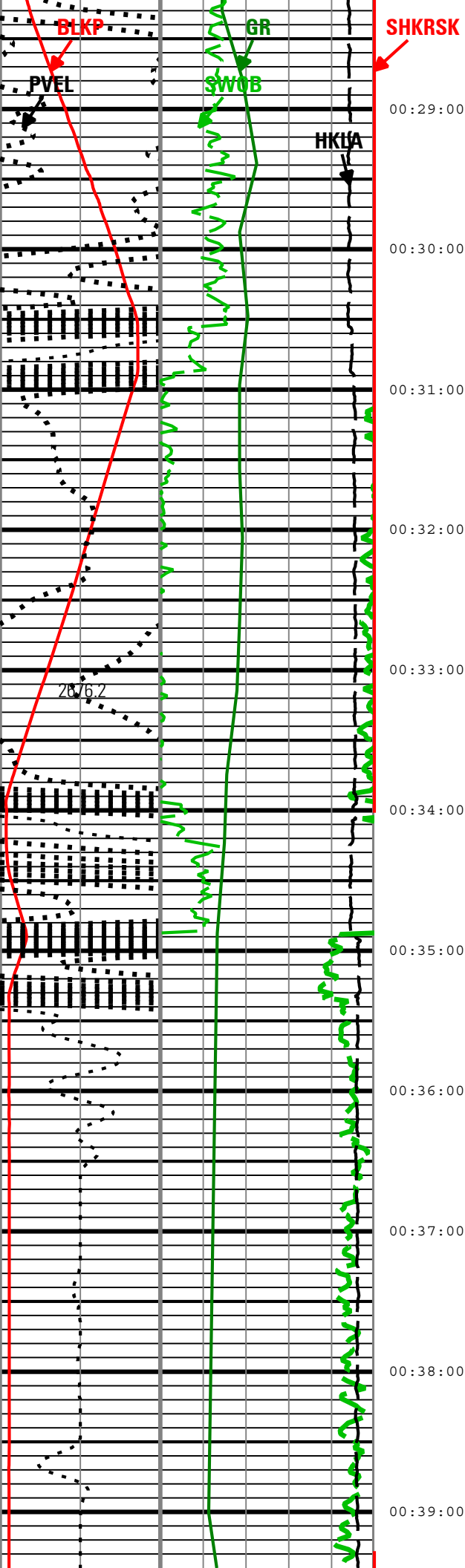


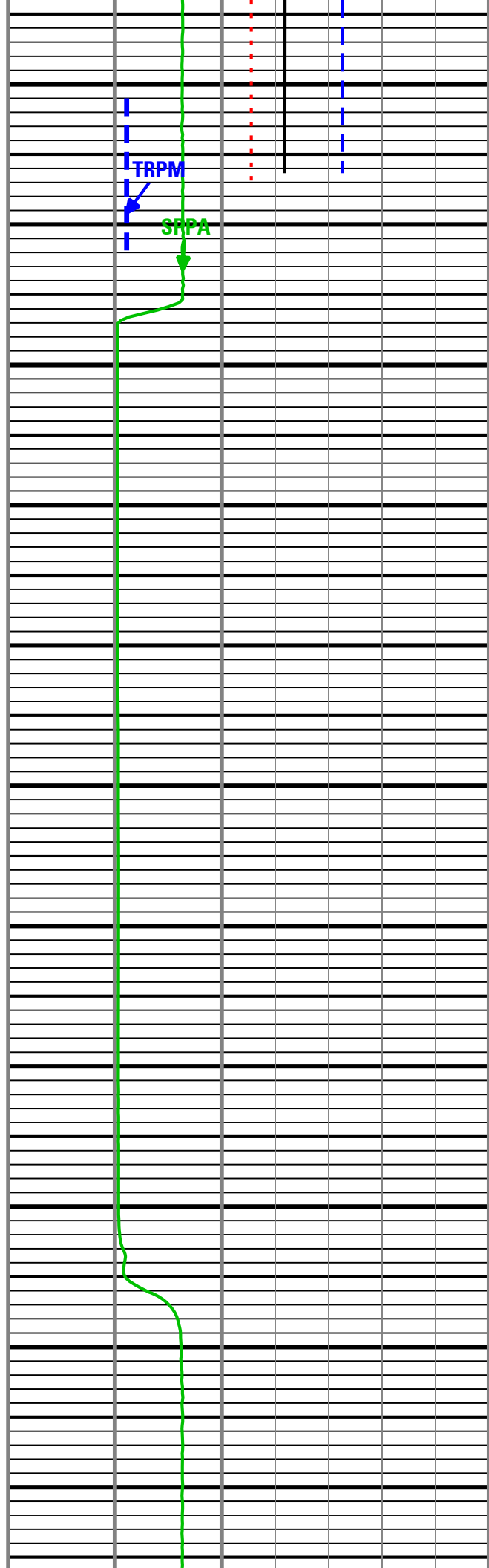
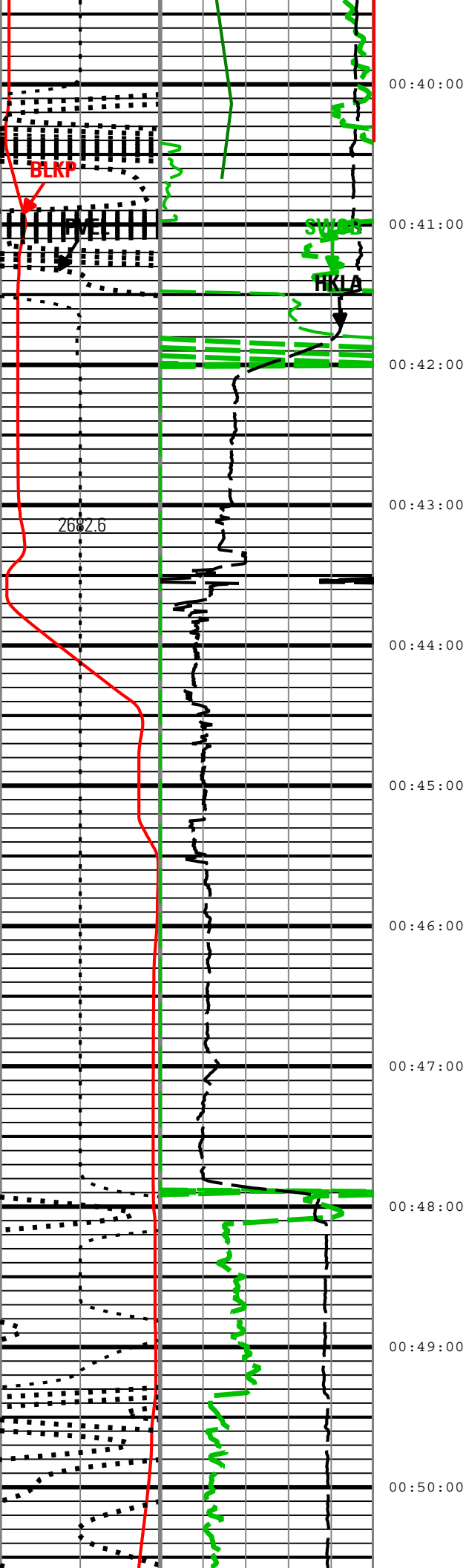


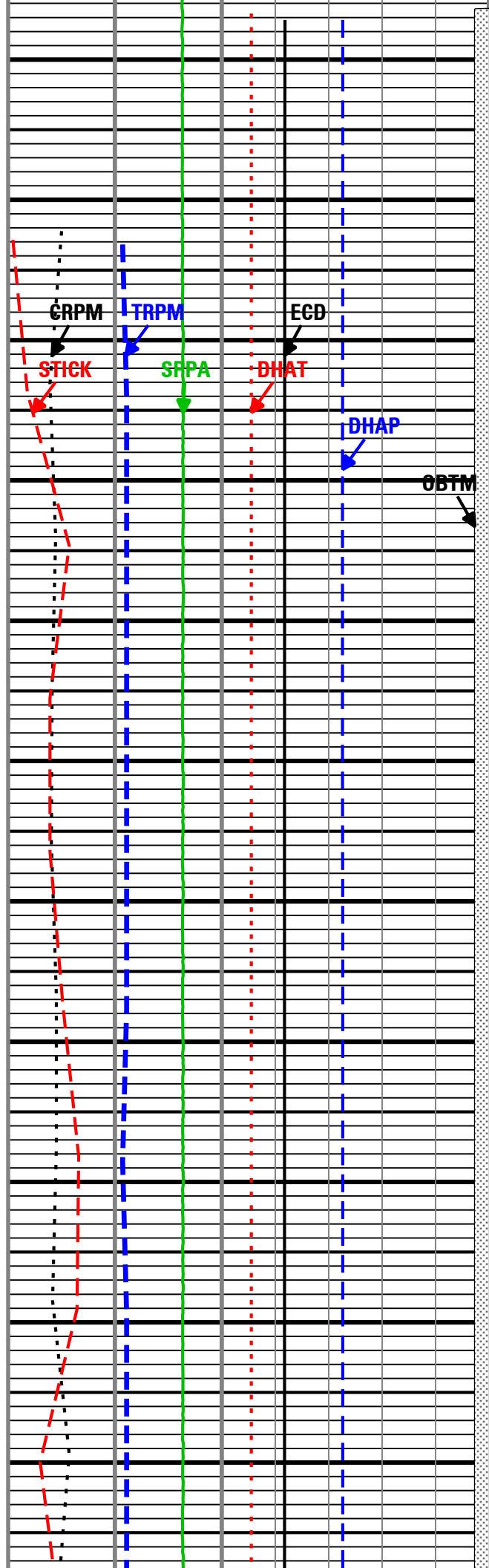
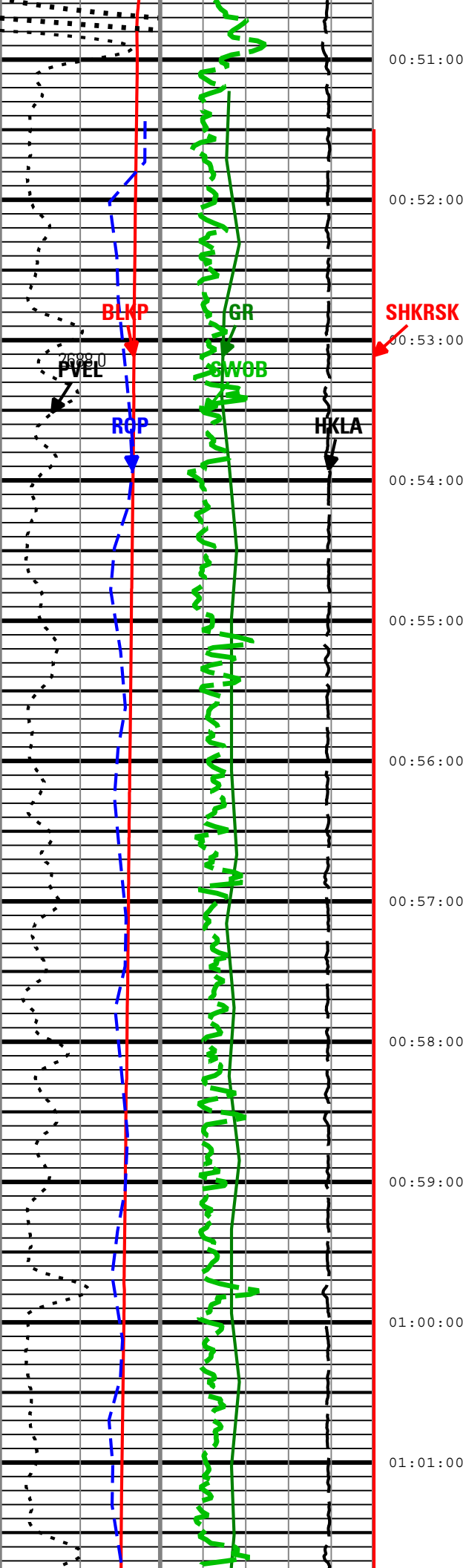
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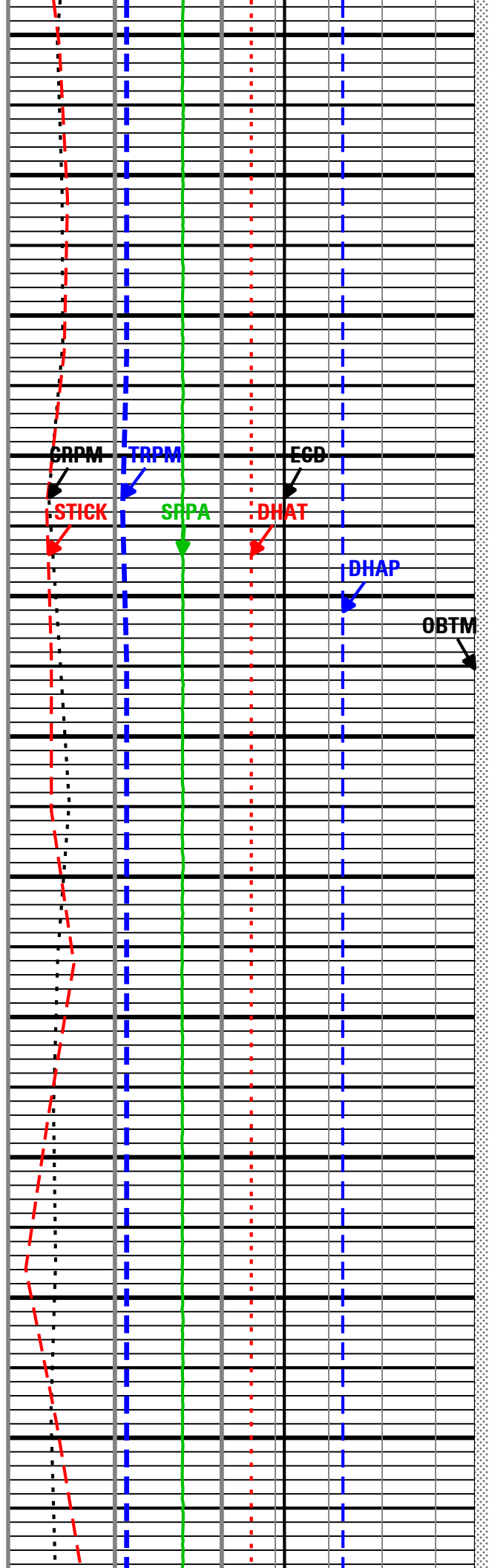
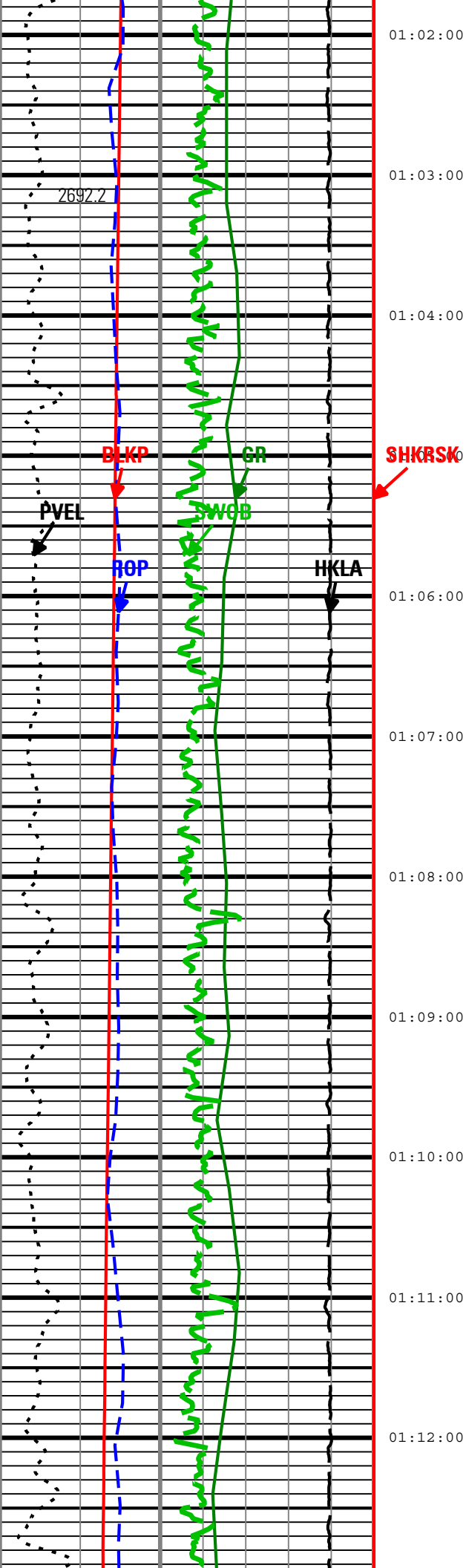


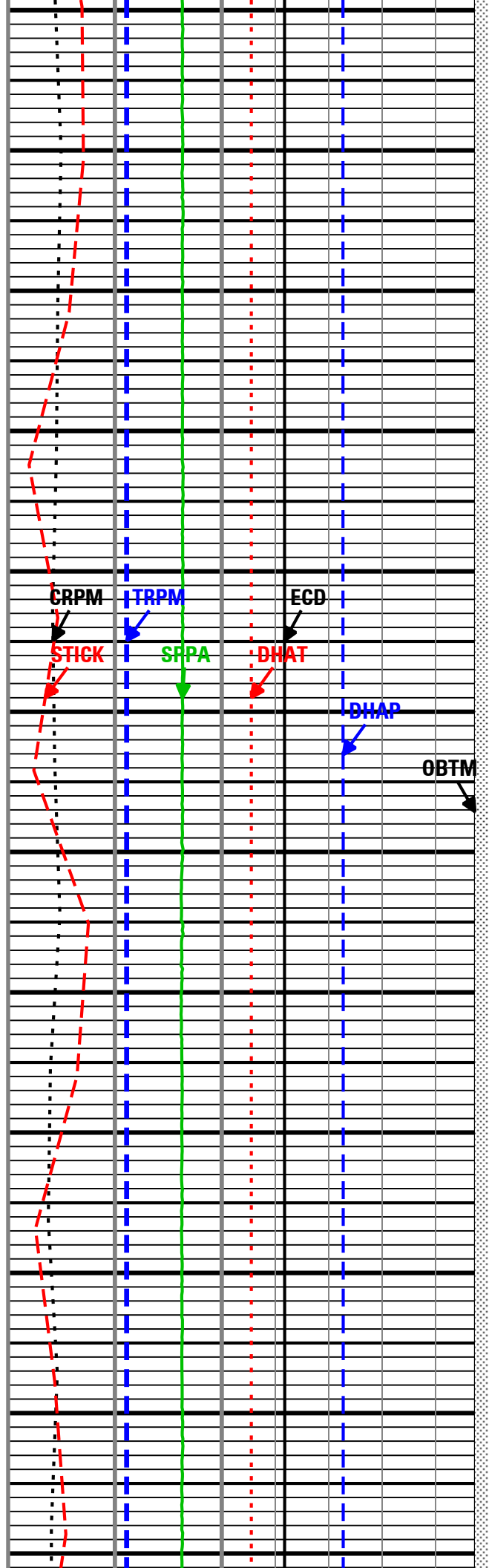
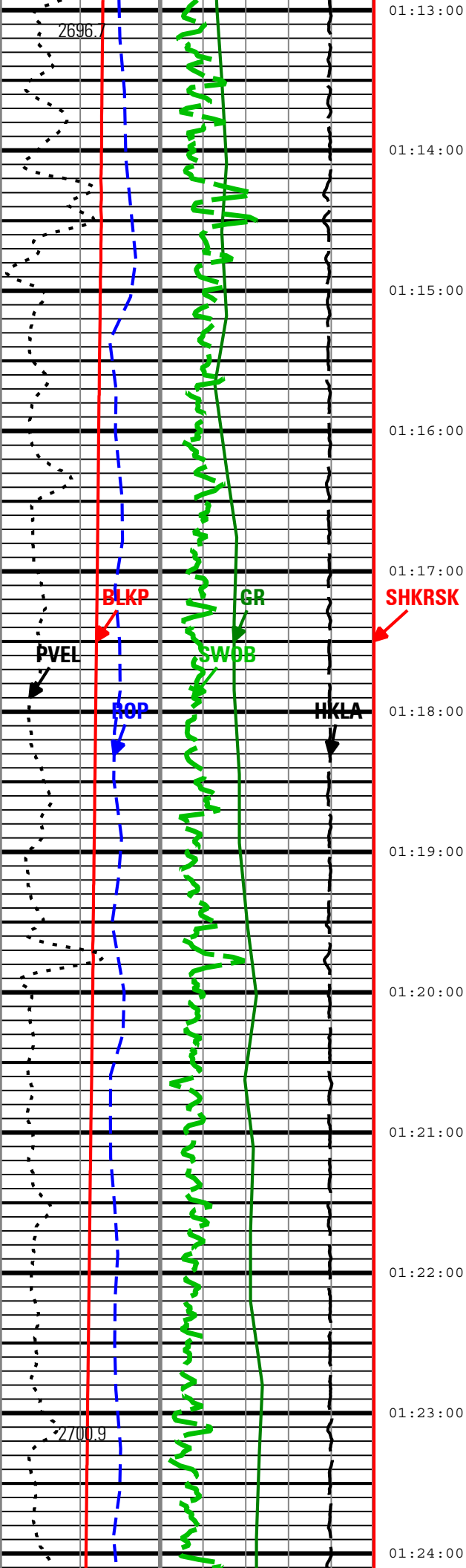
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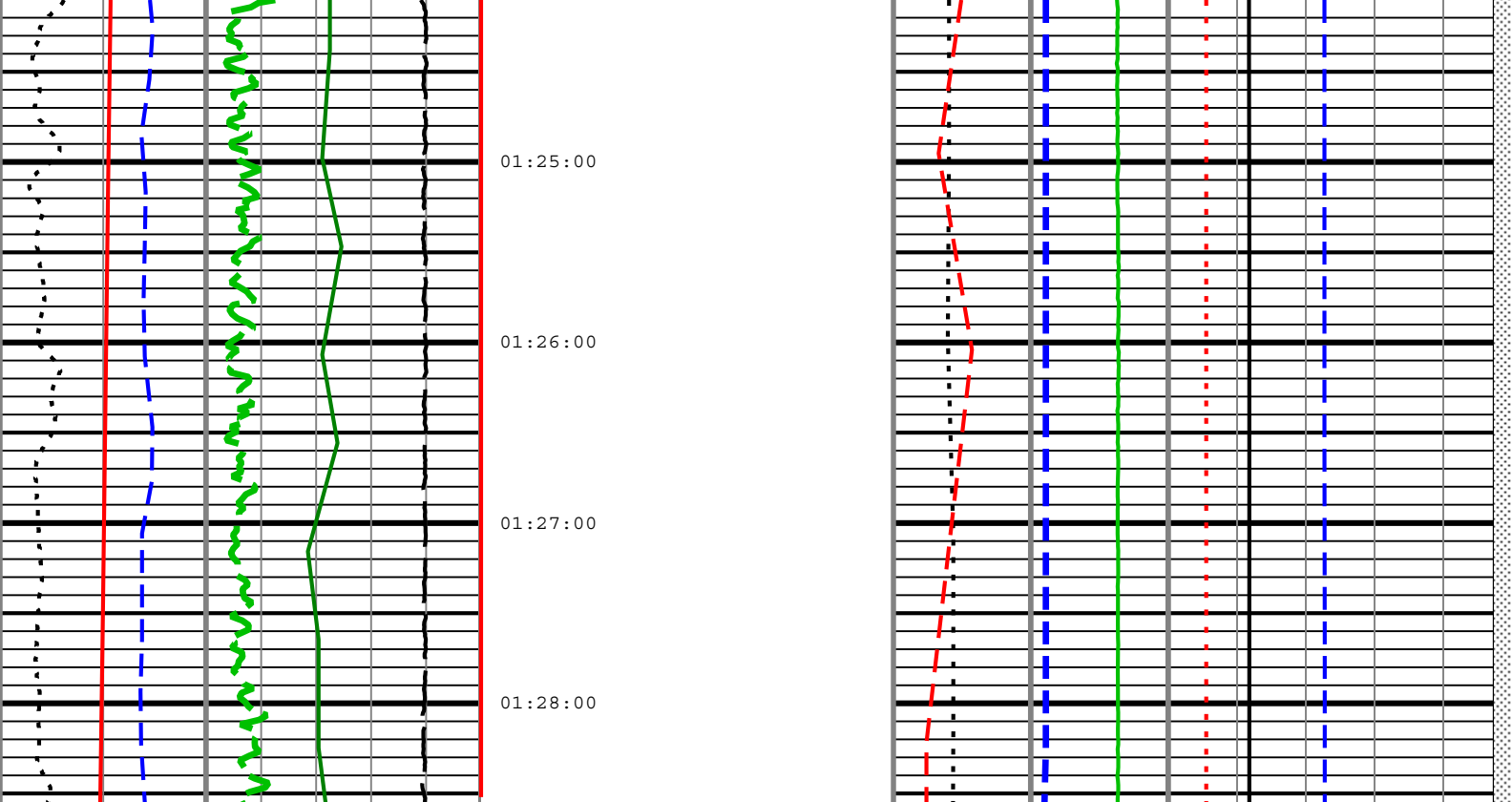












Height of block above rig floor (BLKP) RT	0	m	45
Pipe Velocity (PVEL) RT	0	m/h	-50
Rate of Penetration (ROP) RT	100	m/h	0
Depth Index (DEPTH) m			

Gamma Ray (GR) ARC8 RT	0	gAPI	150
Surface Weight On Bit (SWOB) RT	0	1000 kgf	22.6796
Average Hookload (HKLA) RT	0	1000 kgf	226.796

Shock Risk (SHKRISK) TELE825 RT	0		5
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Collar Rotational Speed (CRPM) TELE825 RT	0	c/min	200
Stick Slip Indicator (STICK) TELE825 RT	0	c/min	200

MWD Turbine Rotation Speed (TRPM) TELE825 RT	1000	c/min	2000
Standpipe Pressure (SPPA) RT	0	kPa	24000

Equivalent Circulating Density (ECD) ARC8 RT	0.8	g/cm3	1.8
Downhole Annulus Temperature (DHAT) ARC8 RT	0	degC	100
Downhole Annulus Pressure (DHAP) ARC8 RT	0	kPa	60000
Bit on Bottom Flag			

Description: TeleScope + ARC Drilling Mechanics Time RT Format: Log (TeleScope + ARC Drilling Mechanics Time RT_1) Index Scale: 150 cm per 3600 s Index Creation Date: 19-Nov-2010 01:30:02

Channel Processing Parameters

Parameter	Description	ToolPath	Value	Unit
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Tool Control Parameters

Parameter	Description	ToolPath	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DnMWorkflow	Time Zoned	m

Time Zone Parameters

Parameter	Value	Start	Stop
OFFBTM_TH	0	16-Nov-2010 18:18:00	16-Nov-2010 18:18:48
OFFBTM_TH	0.3	16-Nov-2010 18:18:48	19-Nov-2010 01:28:34