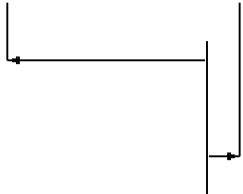
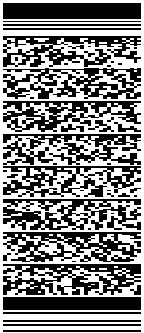


geoVISION Resistivity Image - APWD										Schlumberger									
Gamma Ray - Resistivity - Image - APWD																			
8.5in Recorded Mode Log. True Vertical Depth																			
1:200																			
Company: JAMSTEC																			
Well: C0019B																			
Field: Japan Trench - Miyagi Offshore																			
Rig Name: Chikyu																			
State: Miyagi																			
Country: Japan																			
Latitude: 37° 56' 20.2" N					Job Number: 12JAP0004														
Longitude: 143° 54' 48.6" E					Rig Name: Chikyu														
Block:					Rig Type:					Drill Vessel									
FL: Japan Trench																			
FL1: X= 756 050.70 m																			
FL2: Y=4 202 595.11 m																			
<div>Log Measured From: - Drill Floor: 28.50 m</div> <div>Permanent Datum: - Mean Sea Level</div> <div></div>																			
Acquisition Dates: 21-Apr-2012 — 26-Apr-2012					Other Services:														
Log Interval: 6910.00(m) — 7766.36(m)					Direction and Inclination														
Index Types: True Vertical Depth					Drilling Mechanics														
Index Scales: 1:200																			
Depth Source: Driller's Depth																			
Depth Sensor: DES																			
Print Type: Final																			
Spud Date: 21-Apr-2012																			

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.

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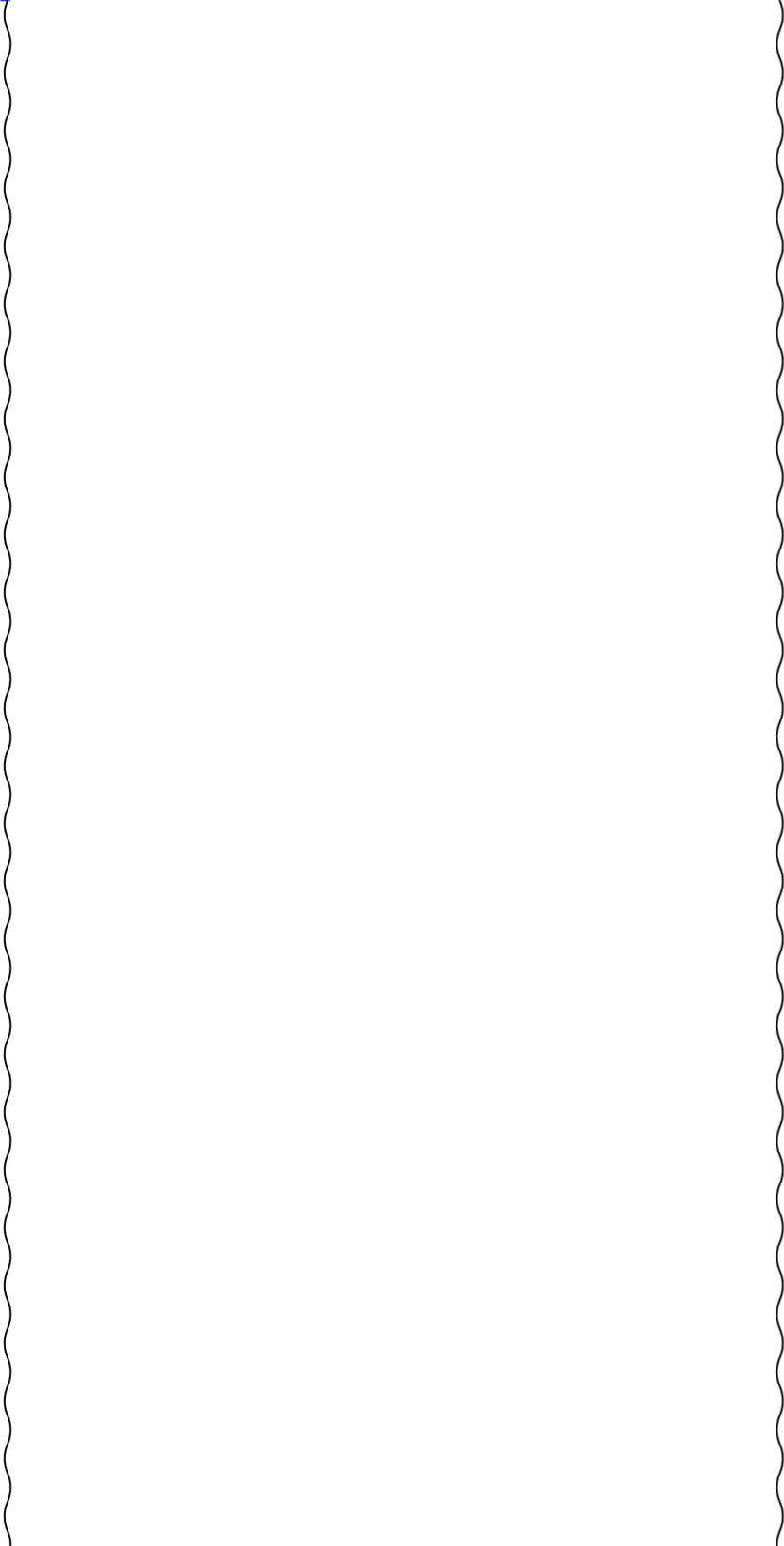
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Well Sketch

Driller Depth

6918.00 m



7768.50 m

Open Hole 8.5in

## Borehole Size/Casing Record

Bit						
Bit Size ( in )	8.5					
Top Driller ( m )	6918					
Bottom Driller ( m )	7768.5					

## Operational Run Summary

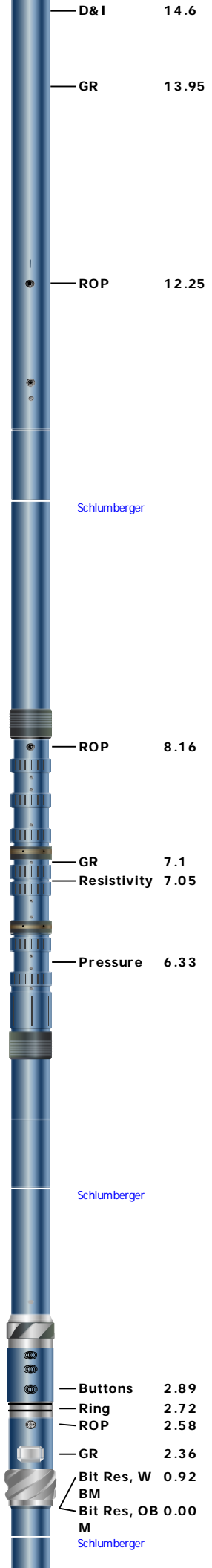
Parameter ( unit )	Run1					
Date Log Started	21-Apr-2012					
Time Log Started	17:04:57					
Date Log Finished	26-Apr-2012					
Time Log Finished	20:21:59					
Bit Size ( in )	8.500					
Bit Start Depth ( m )	6918.00					
Bit Stop Depth ( m )	7768.50					
Top Log Interval ( m )	6918.00					
Bottom Log Interval ( m )	7767.58					
Max Hole Deviation ( deg )	8.27					
Azimuth of Max Deviation ( deg )	355.55					
Logging Unit Number	OLU-KC-504					
Logging Unit Location	Comp Deck					
Recorded By	Wang Feng Chen Fei Fei Yue Zhi Liang					
Witnessed By	Yukari Kido Yoshi Sanada					
Service Order Number	12JAP0004					

## Borehole Fluids

Parameter( unit )	Run1					
Fluid Type	Water					
Max Recorded Temperatures ( degC )	12					
Source of Sample	Active Tank					
Salinity ( ppm )	38908.95					
Density ( g/cm3 )	1.04					
Funnel Viscosity ( s )						

## Remarks and Equipment Summary

Run1: Remarks
Data presented is Recorded Mode data which was acquired while drilling.
Depth reference is driller's depth measured from Rotary Table.
geoVISION record rate is 10s, arcVISION record rate is 10s.
geoVISION GR is corrected for bit size, tool size and mud weight. No potassium in mud.
geoVISION resistivity is environmentally corrected for bit size and mud resistivity.
Drill Time: 31.24 hrs
Pump Time: 66.20 hrs



ARC6:1100 10.44

RAB6:42045 4.67

X/O: 6 3/4" 1.6  
:604

Flt Sub: 6 3 / 1.16  
4":1500044  
8

Bit: 8 1/2":J 0.25  
F6234



TOOL\_ZERO

Lengths are in m

Maximum Outer Diameter = 8.500 in

Line: Sensor Location, V 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 :	1.79 deg		

Rig Location			
Latitude :	37° 56' 20.2" N	Longitude :	143° 54' 48.6" E

Tie In Point					
Measured Depth:	0.00 m	Inclination:	0.00 deg	Azimuth:	0.00 deg
True Vertical Depth:	0.00 m	North Displacement:	0.00 m	East Displacement:	0.00 m
N/-S VSec Origin:	0.00 m	E/-W VSec Origin:	0.00 m	Vertical Section Azimuth:	0.00 deg

D&I Inits Computed and Values Used - Run1			
Geomagnetic Model :	BGGM 2011	Geomagnetic Date :	22-Apr-2012
Computed Location B :	46518.57 nT +/- 300.00nT	Used Location B :	46518.57 nT +/- 300.00nT
Computed Location G :	9.80 m/s2 +/- 0.02m/s2	Used Location G :	9.80 m/s2 +/- 0.02m/s2
Computed Magnetic Dip :	51.40 deg +/- 0.45deg	Used Magnetic Dip :	51.40 deg +/- 0.45deg
Computed Magnetic Dec :	-7.20 deg	Used Magnetic Dec :	-7.20 deg
Computed Total Correction :	-8.99 deg	Used Total Correction :	-8.99 deg

Survey Quality Index			
2 : Long Survey failed mag criteria	4 : Long Survey failed all criteria	9 : Manual	
28 : Tie-In Point			

Survey Correction Index	
0 : No correction	

Survey Description Index	
0 : Not Flagged Survey	11 : Secondary Tie-In Point

Seq	MD (m)	Incl (deg)	Azim (deg)	Course (m)	TVD (m)	V Sec (m)	N/ -S (m)	E/ -W (m)	Closure (m)	at Azim (deg)	DLS deg/30m	Tool Type	QI	CI	DI
1	0.00	0.00	0.00	----	0.00	0.00	0.00	0.00	0.00	90.00	0.00	TIP	28	0	0
2	6918.00	0.00	0.00	6918.00	6918.00	0.00	0.00	0.00	0.00	90.00	0.00	Other	9	0	11
3	6938.55	2.22	312.85	20.55	6938.54	0.27	0.27	-0.29	0.40	312.85	3.24	TeleScope	4	0	0
4	6966.78	1.82	332.41	28.23	6966.76	1.04	1.04	-0.90	1.37	319.11	0.84	TeleScope	4	0	0
5	6995.50	1.85	345.24	28.72	6995.46	1.89	1.89	-1.23	2.25	326.99	0.43	TeleScope	4	0	0
6	7022.98	1.76	339.12	27.48	7022.93	2.71	2.71	-1.49	3.09	331.20	0.23	TeleScope	4	0	0
7	7051.92	1.77	333.90	28.94	7051.86	3.53	3.53	-1.85	3.98	332.38	0.17	TeleScope	2	0	0
8	7080.68	1.62	338.38	28.76	7080.60	4.30	4.30	-2.19	4.83	333.03	0.21	TeleScope	4	0	0
9	7109.40	1.86	338.50	28.72	7109.31	5.12	5.12	-2.51	5.70	333.85	0.25	TeleScope	2	0	0
10	7136.77	1.91	341.57	27.36	7136.66	5.96	5.96	-2.82	6.60	334.70	0.12	TeleScope	4	0	0
11	7165.72	2.17	340.63	28.95	7165.59	6.94	6.94	-3.15	7.62	335.56	0.26	TeleScope	4	0	0
12	7175.39	2.05	341.72	9.68	7175.26	7.28	7.28	-3.27	7.98	335.81	0.37	TeleScope	4	0	0
13	7203.75	1.99	344.25	28.35	7203.60	8.23	8.23	-3.56	8.97	336.61	0.11	TeleScope	4	0	0
14	7232.01	1.99	347.59	28.26	7231.84	9.18	9.18	-3.80	9.94	337.52	0.12	TeleScope	4	0	0
15	7260.73	2.07	345.02	28.72	7260.54	10.17	10.17	-4.04	10.95	338.33	0.13	TeleScope	2	0	0
16	7288.34	2.04	349.09	27.61	7288.14	11.14	11.14	-4.26	11.93	339.05	0.16	TeleScope	4	0	0
17	7320.29	2.17	352.55	31.95	7320.07	12.30	12.30	-4.45	13.08	340.11	0.17	TeleScope	4	0	0
18	7352.73	2.49	346.92	32.44	7352.48	13.59	13.59	-4.69	14.38	340.97	0.36	TeleScope	4	0	0
19	7381.26	2.64	347.72	28.53	7380.98	14.84	14.84	-4.97	15.64	341.48	0.17	TeleScope	2	0	0
20	7409.62	2.92	349.68	28.36	7409.31	16.18	16.18	-5.24	17.01	342.07	0.31	TeleScope	4	0	0
21	7438.31	2.32	340.52	28.68	7437.95	17.60	17.60	-5.51	18.52	342.69	0.22	TeleScope	4	0	0

21	7438.31	3.22	349.53	28.68	7437.96	17.69	17.69	-5.51	18.53	342.69	0.32	TeleScope	4	0	0
22	7466.67	3.65	347.08	28.36	7466.26	19.36	19.36	-5.86	20.23	343.16	0.48	TeleScope	2	0	0
23	7476.58	3.90	351.72	9.91	7476.15	20.00	20.00	-5.98	20.87	343.35	1.20	TeleScope	4	0	0
24	7504.90	4.22	351.85	28.32	7504.40	21.98	21.98	-6.27	22.86	344.09	0.33	TeleScope	4	0	0
25	7532.49	4.65	352.75	27.60	7531.92	24.10	24.10	-6.55	24.97	344.79	0.48	TeleScope	4	0	0
26	7561.25	4.92	355.71	28.76	7560.58	26.48	26.48	-6.79	27.34	345.62	0.39	TeleScope	2	0	0
27	7588.98	5.48	352.73	27.73	7588.19	28.98	28.98	-7.05	29.83	346.33	0.67	TeleScope	2	0	0
28	7621.71	5.96	355.13	32.73	7620.75	32.23	32.23	-7.39	33.06	347.09	0.49	TeleScope	4	0	0
29	7627.56	6.03	356.23	5.85	7626.57	32.83	32.83	-7.43	33.67	347.24	0.69	TeleScope	4	0	0
30	7656.14	6.31	352.35	28.58	7654.99	35.89	35.89	-7.74	36.72	347.83	0.53	TeleScope	4	0	0
31	7684.97	7.11	354.55	28.83	7683.62	39.24	39.24	-8.12	40.07	348.30	0.87	TeleScope	2	0	0
32	7713.15	7.62	354.47	28.18	7711.57	42.83	42.83	-8.47	43.66	348.82	0.55	TeleScope	4	0	0
33	7741.26	8.27	355.55	28.11	7739.41	46.70	46.70	-8.80	47.52	349.32	0.71	TeleScope	2	0	0

## Run 1


## Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
-------------------	--------------------	-----------------	--------------	------

## Software Version

Acquisition System	Version
MaxWell	3.0.9609.0
Application Patch	SP-20120409-3.0.9609.1919

Computation	Description	Version
RAB6GR	RAB6 Gamma Ray Computation Package for both Real-time and Recorded Mode	3.0.9609.1373
RAB6Res	RAB6 Resistivity Computation Package for both Real-time and Recorded Mode	3.0.9609.1373
ARC6Pressure	ARC6 Pressure Computation Package for both Real-time and Recorded Mode	3.0.9609.0

Tool Elements	Description	Software Version	Firmware Version
RBEC	Electronics Chassis Assembly for RAB6-C	3.0.9609.1373	V8.5B
DRILLING_SURFACE	DRILLING_SURFACE	3.0.9609.1373	
APWD	APWD Sensor 25 kpsi	3.0.9609.0	V9.5B

## Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run1	Drilling	Down	6899.71 m	7768.31 m	21-Apr-2012 5:04:57 PM	26-Apr-2012 8:21:59 PM	true

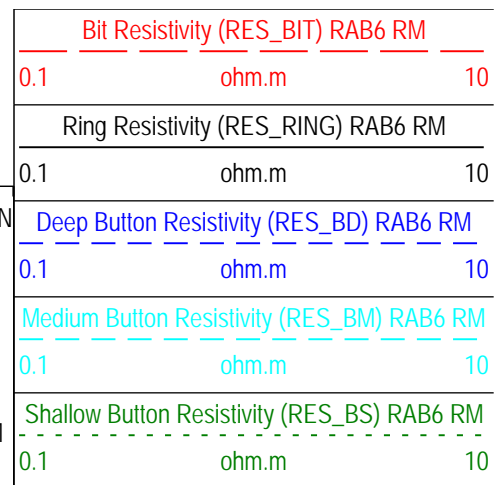
All depths are referenced to toolstring zero

## Log

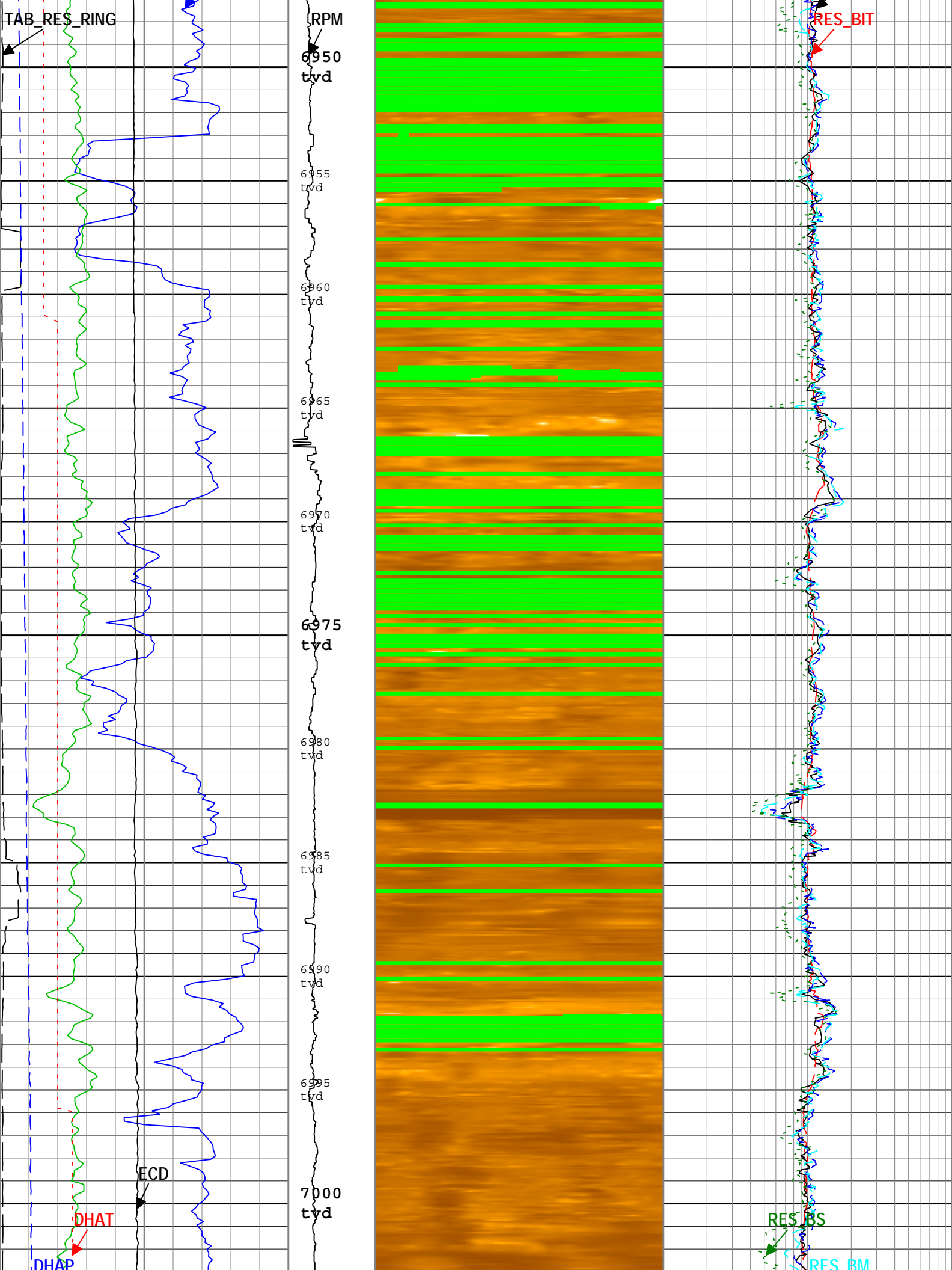
Run1: Drilling 0171927D-C22B-449A-BF7F-37C8F1B668EB

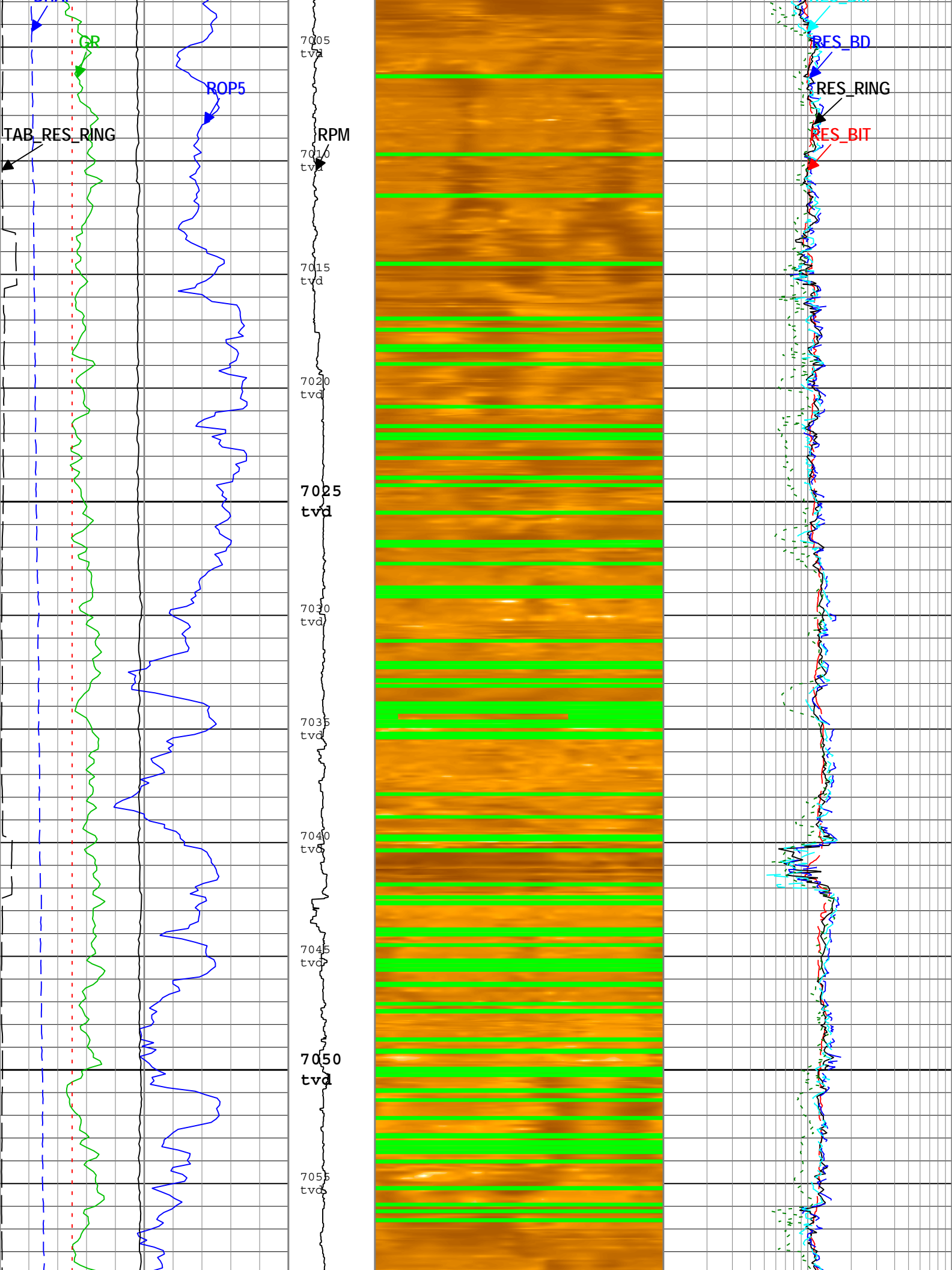
Description: GVR Resistivity, Deep Button Image    Format: Log ( JFAST RM GVR+APWD TVD Digital )    Index Scale: 1:200    Index Unit: m    Index Type: TVD  
Creation Date: 11-May-2012 18:16:14

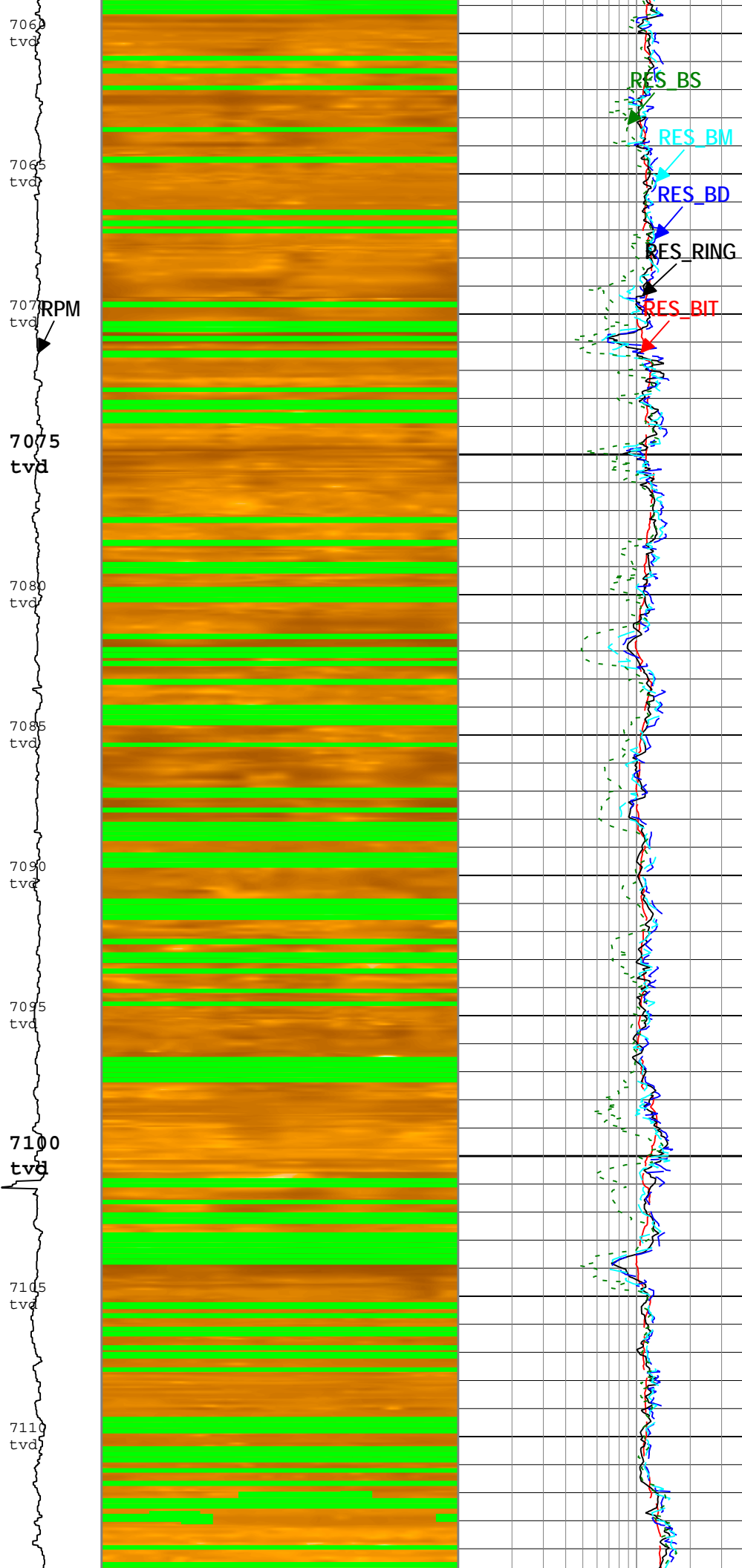
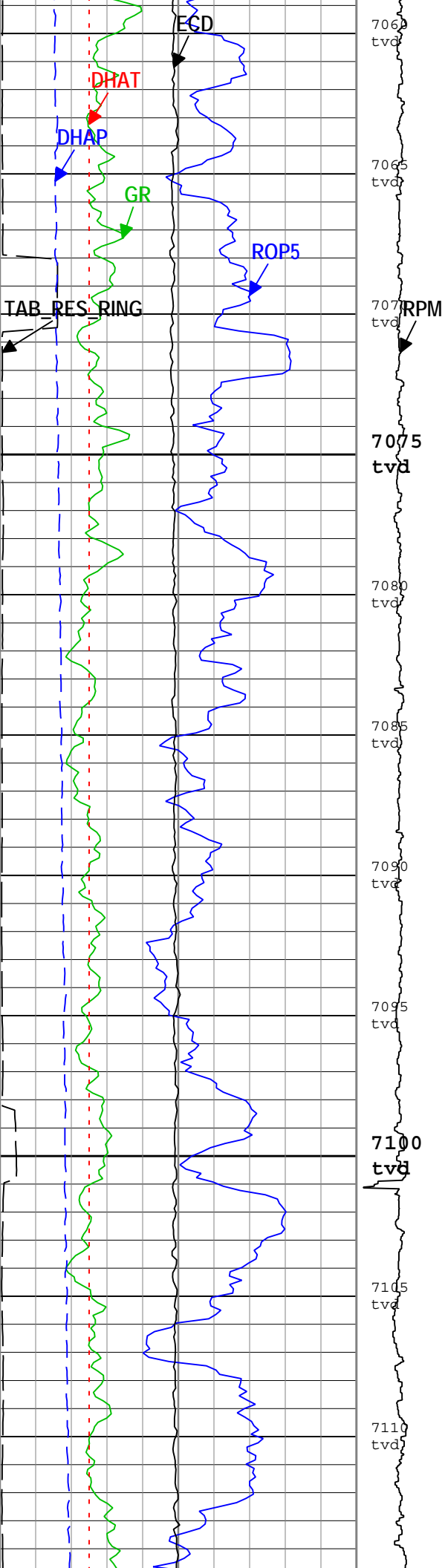
Channel	Source	Sampling
DHAP	ARC6:ARC6	6in - RM
DHAT	ARC6:ARC6	6in - RM
ECD	ARC6:ARC6:APWD	6in - RM
GR	RAB6:RAB6:RBEC	6in - RM
RES_BD	RAB6:RAB6:RBEC	1.2in - RM
RES_BIT	RAB6:RAB6:RBEC	1.2in - RM
RES_BM	RAB6:RAB6:RBEC	1.2in - RM
RES_BS	RAB6:RAB6:RBEC	1.2in - RM
RES_RING	RAB6:RAB6:RBEC	1.2in - RM
ROP5	DRILLING_SURFACE	6in - RT
RPM	RAB6:RAB6	1.2in - RM

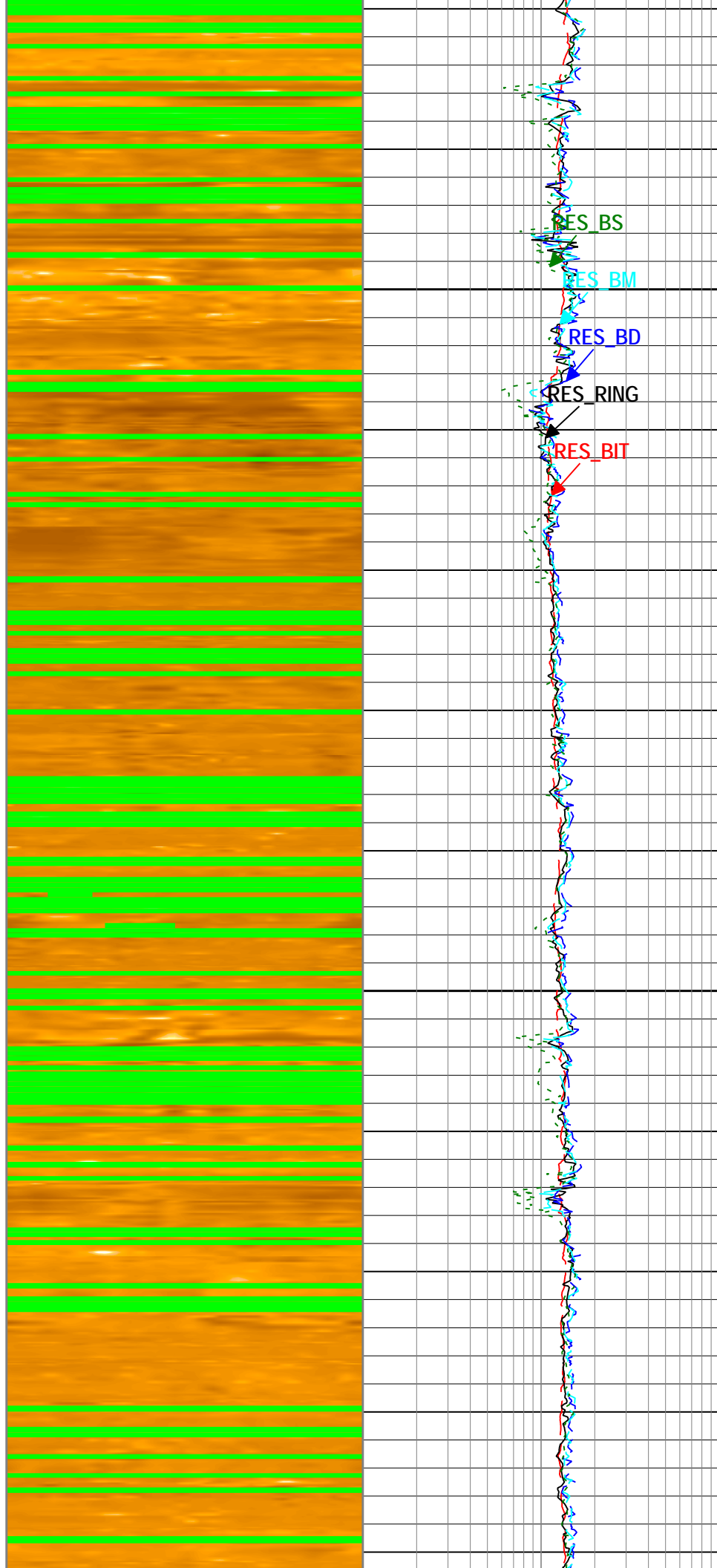
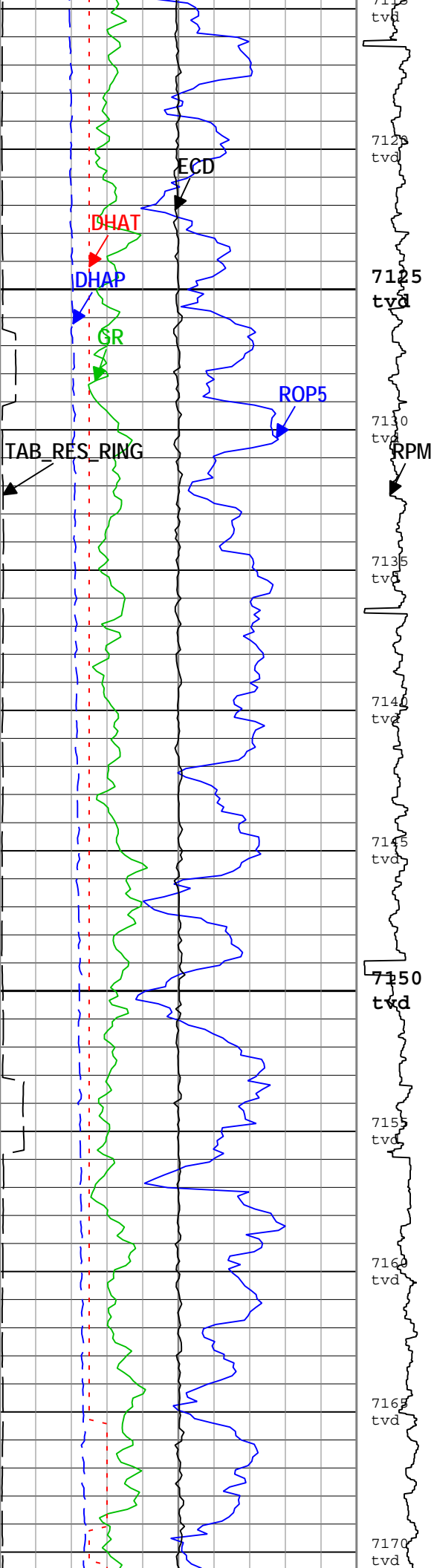


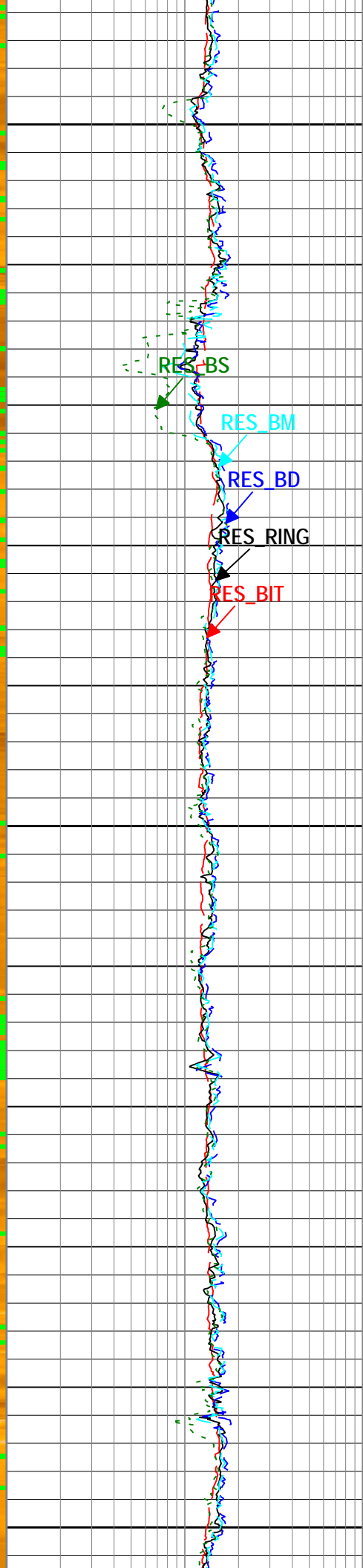
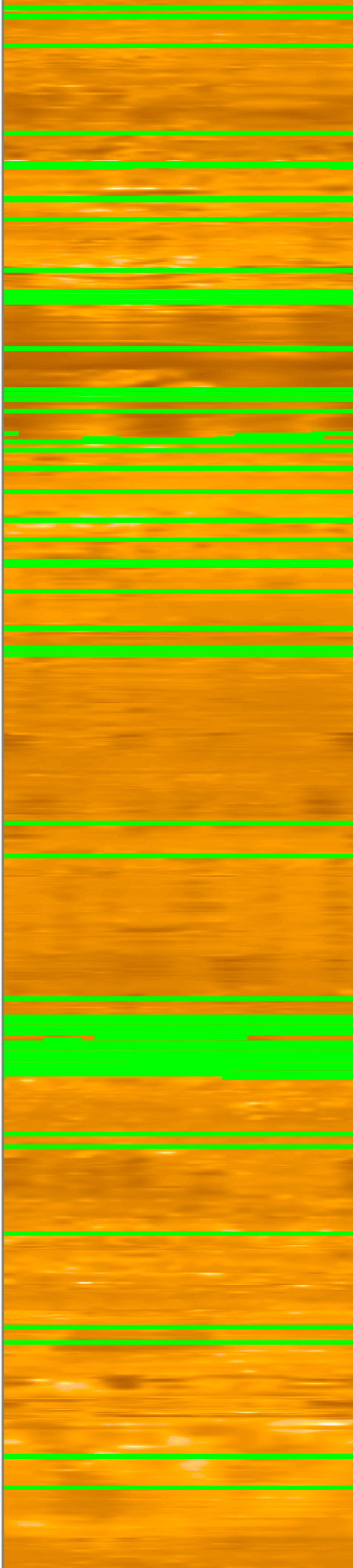
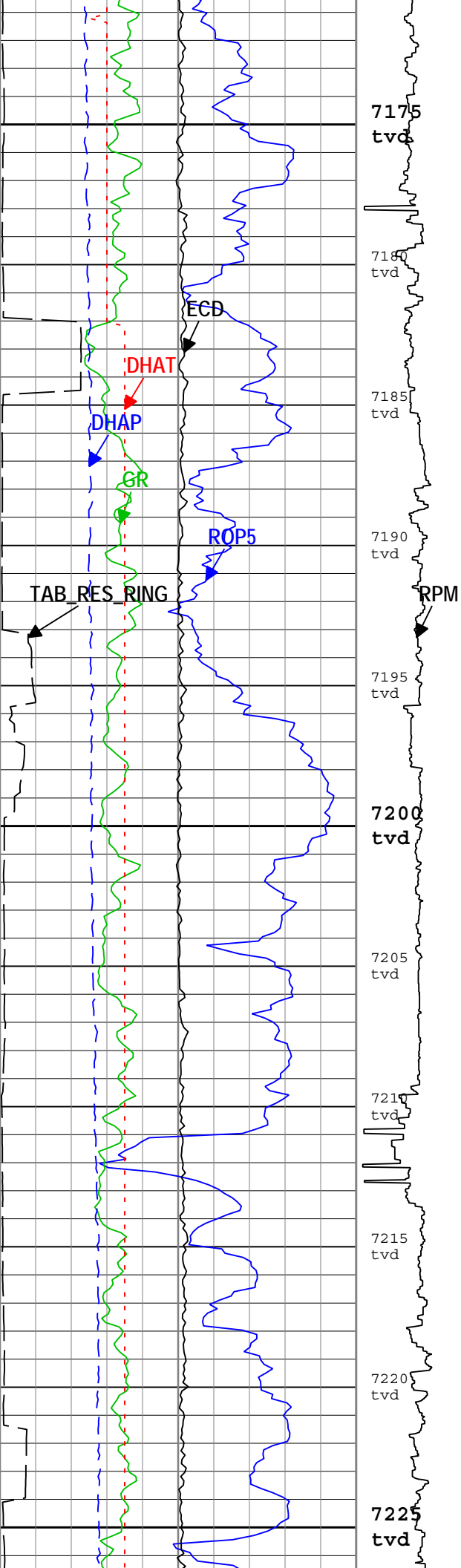




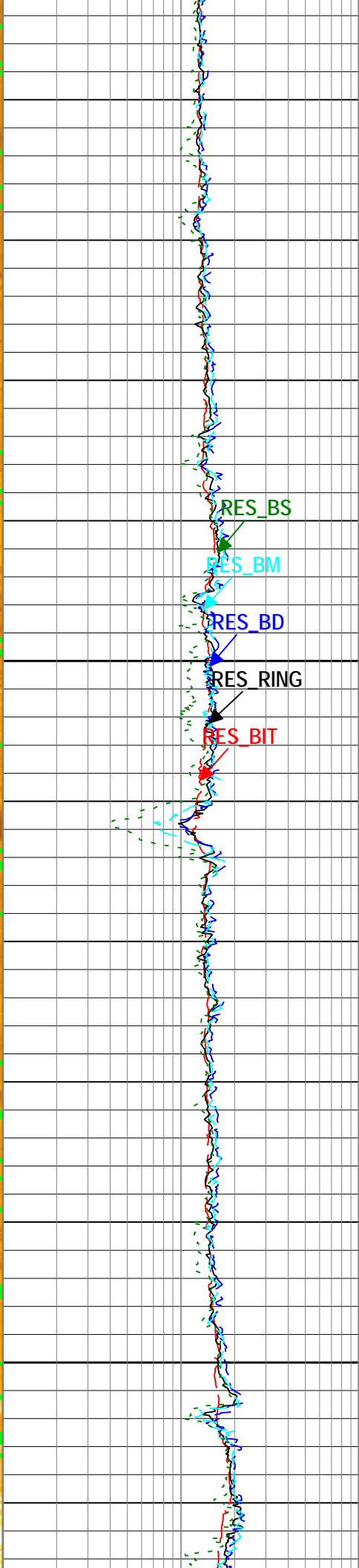
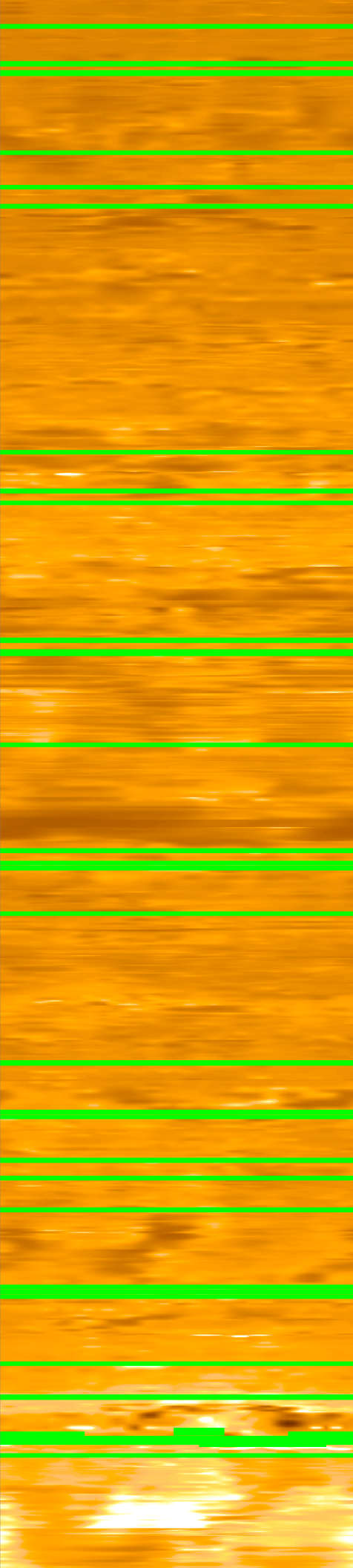
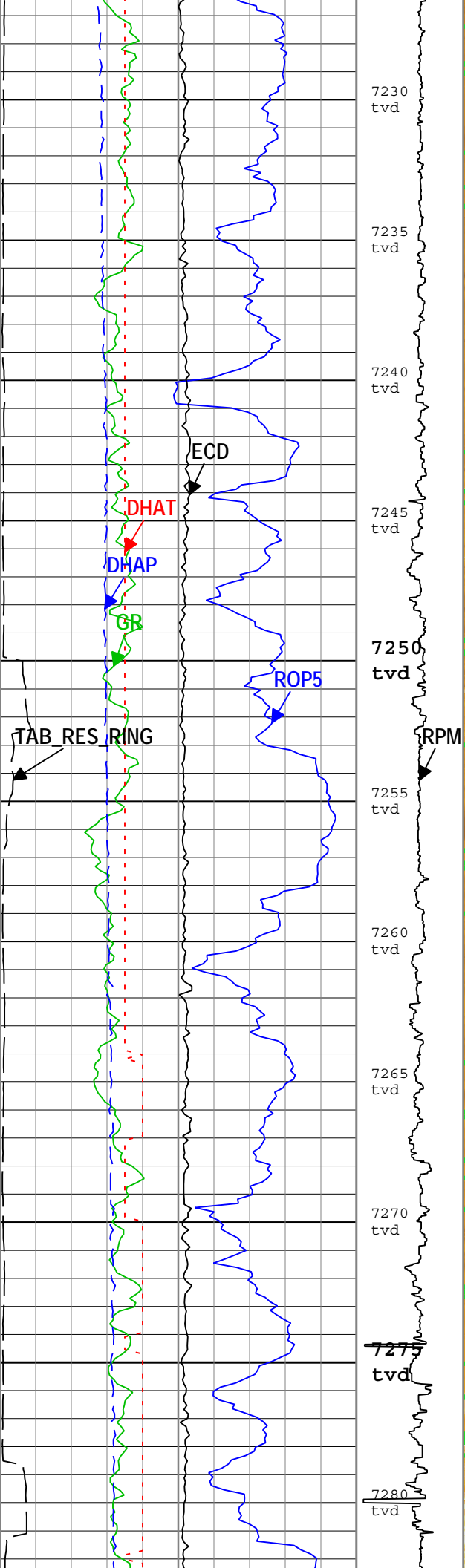


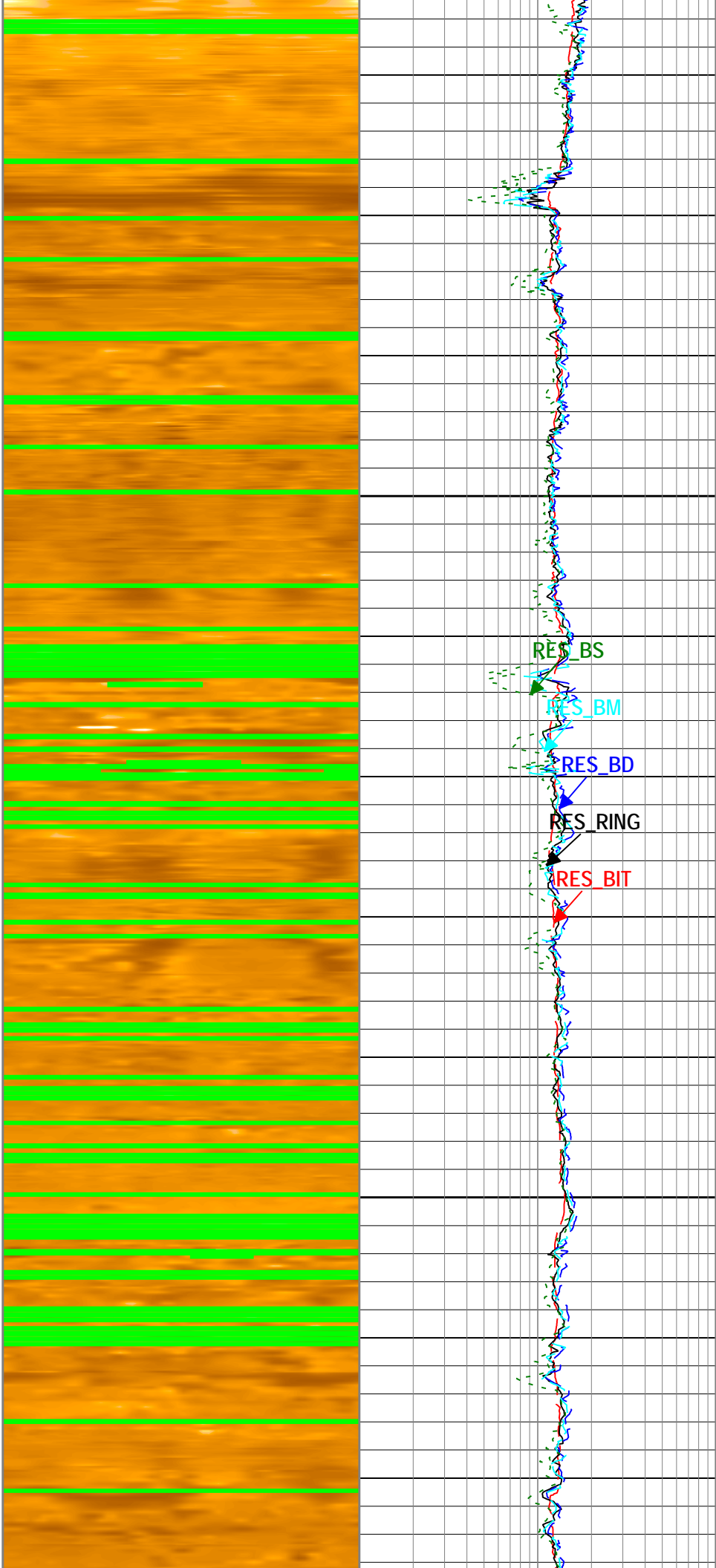
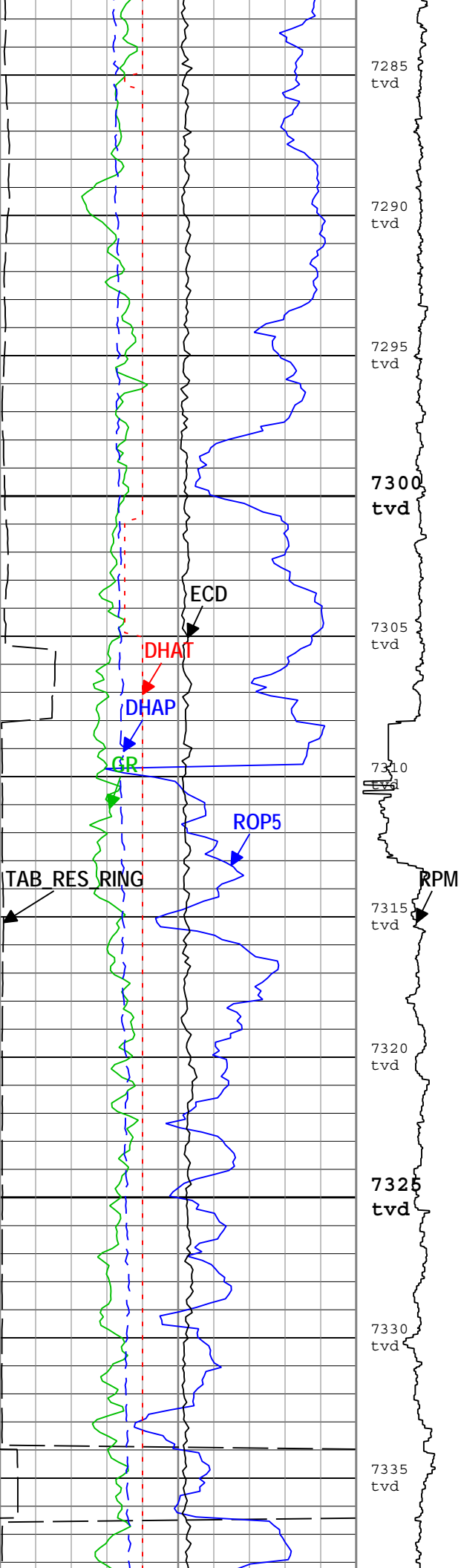


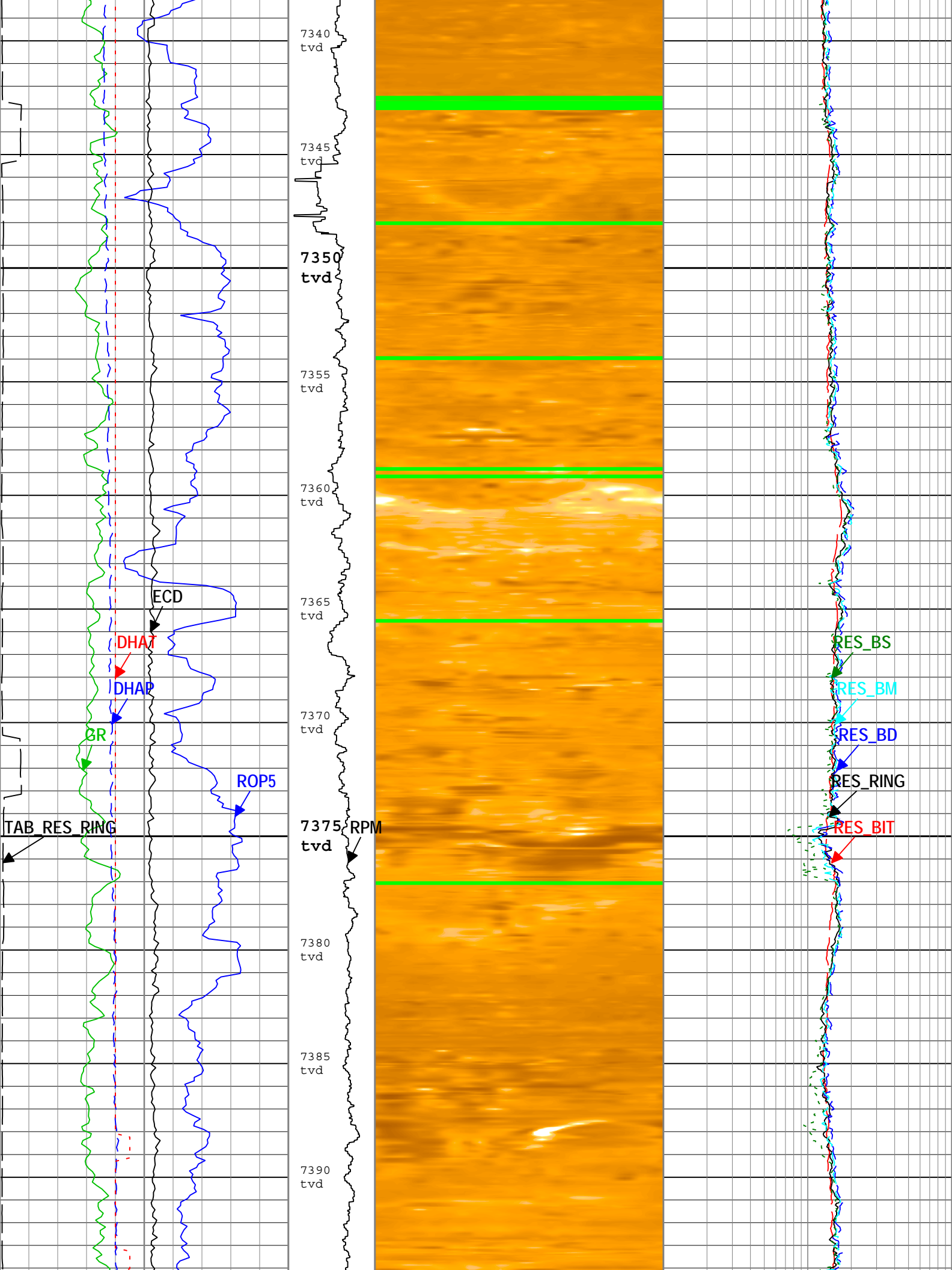




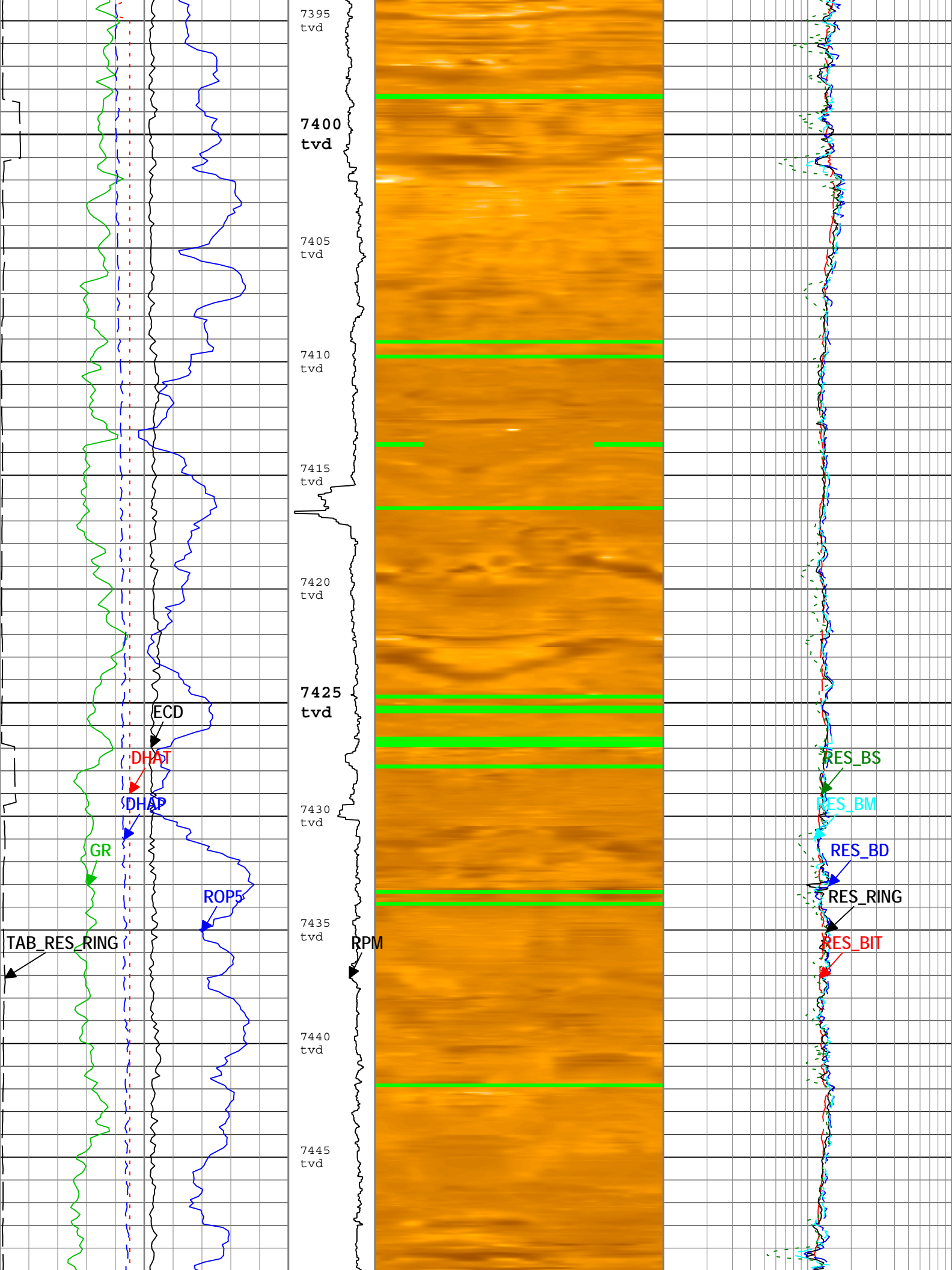


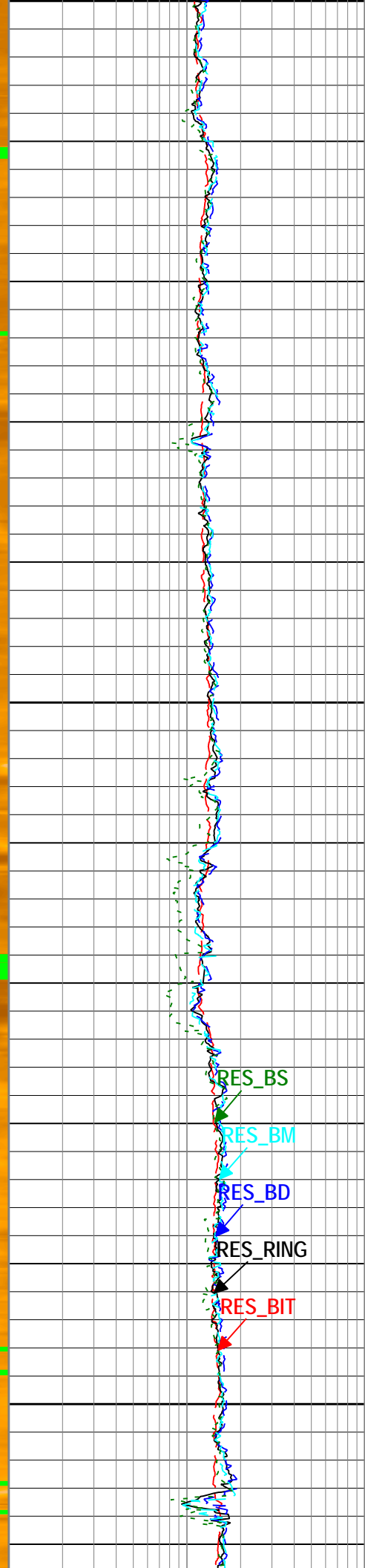
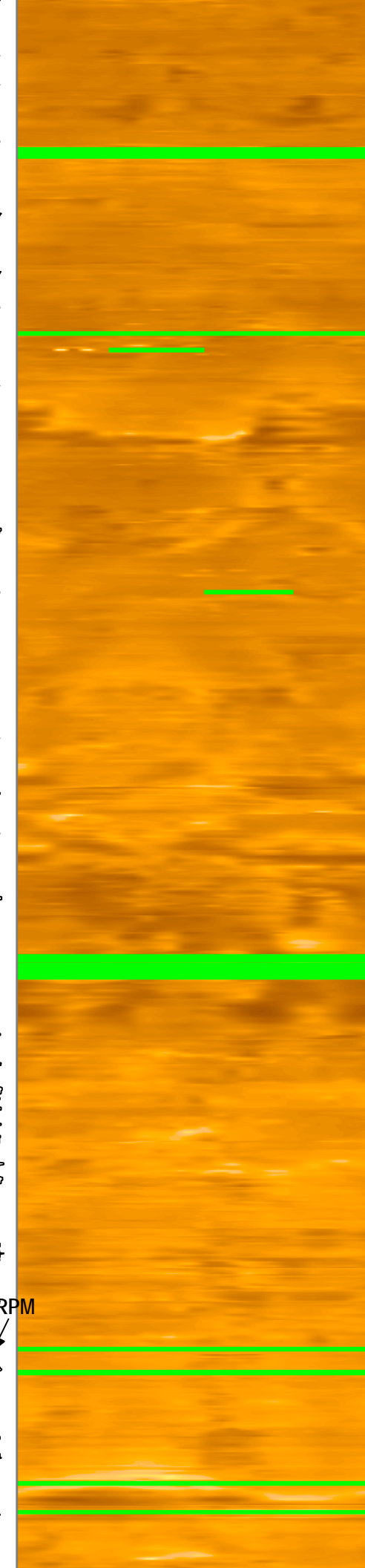
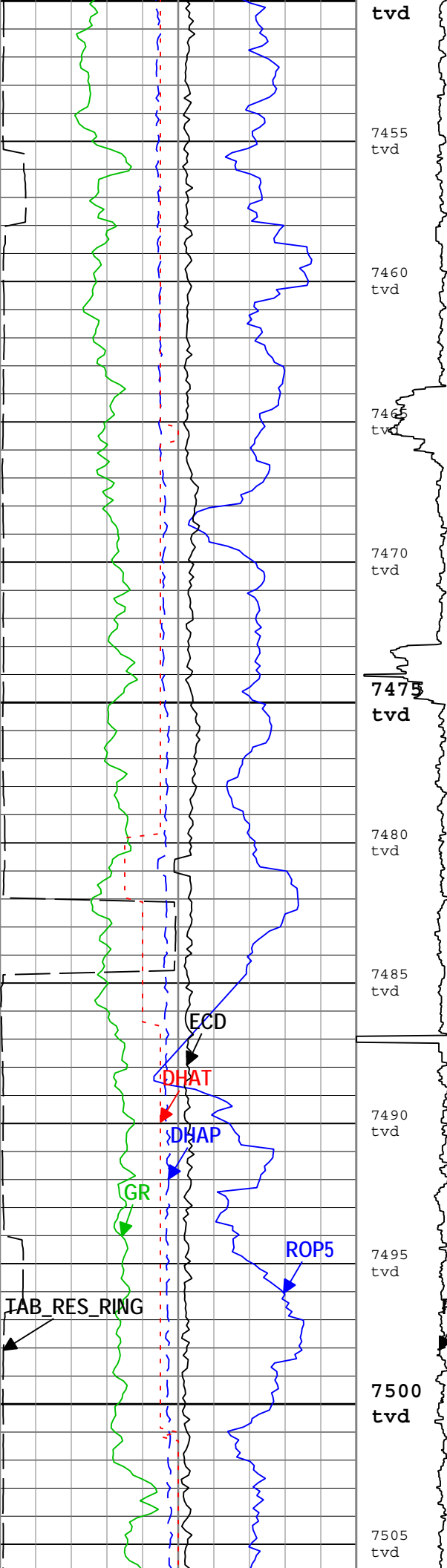


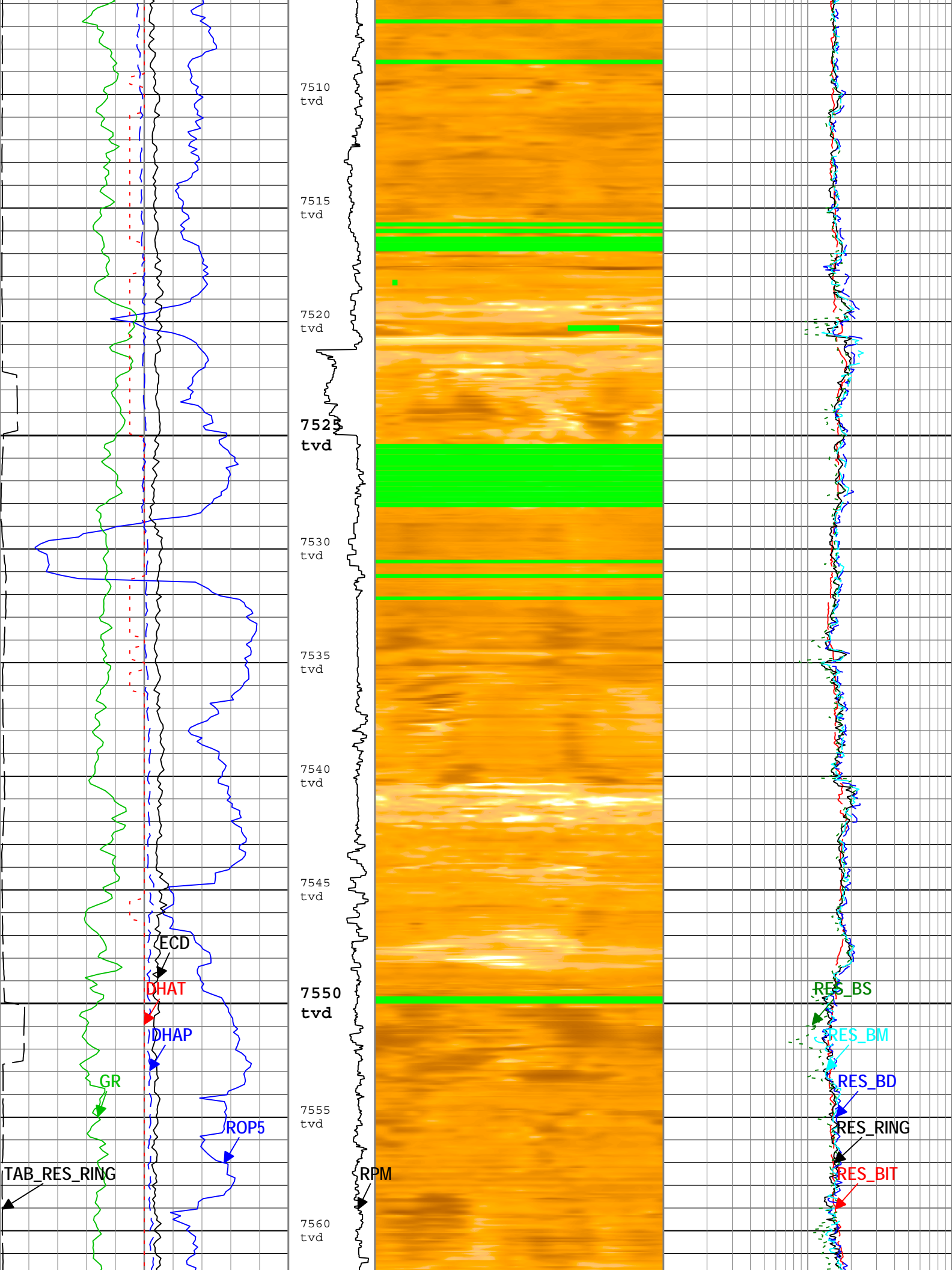


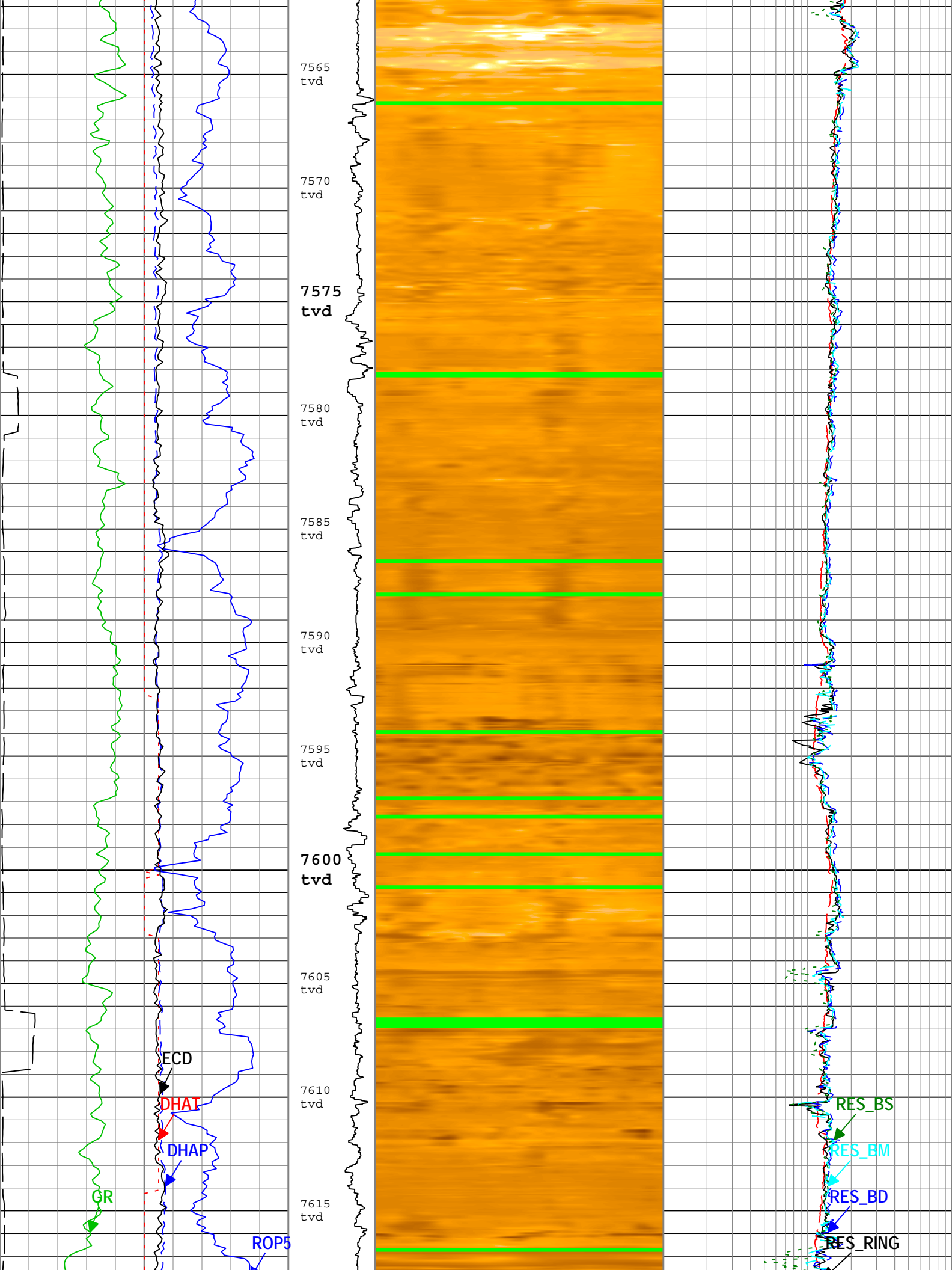




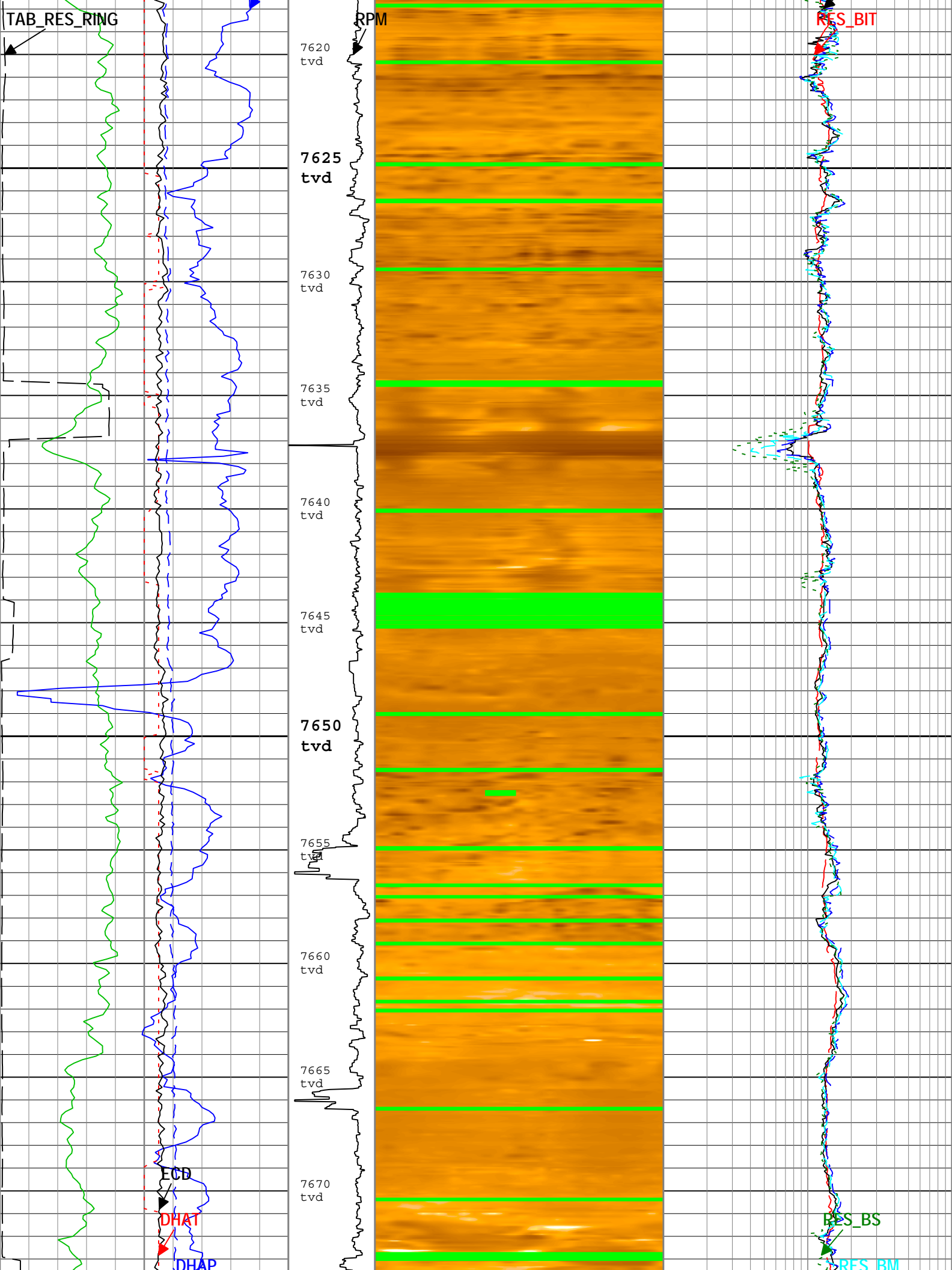


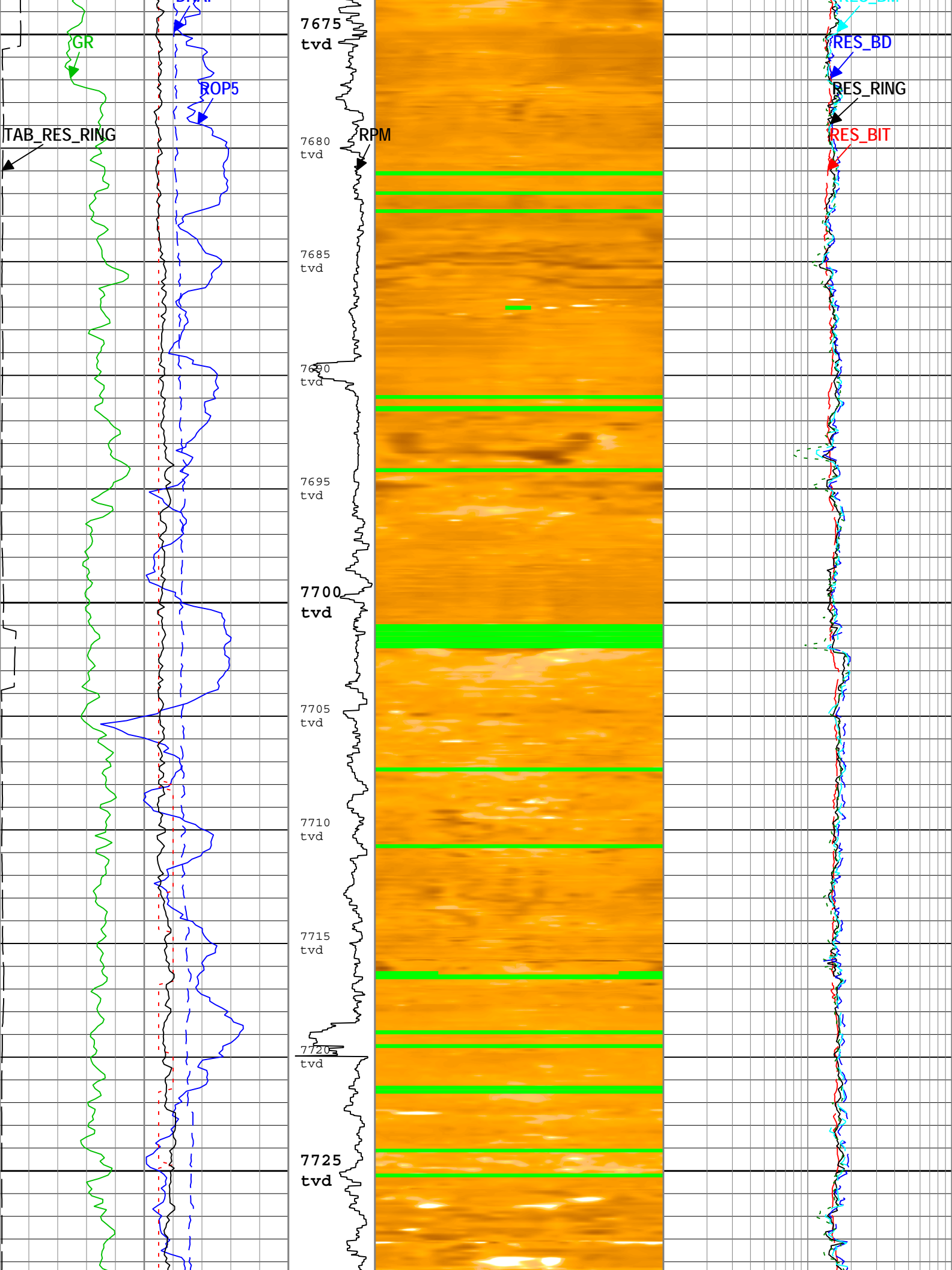


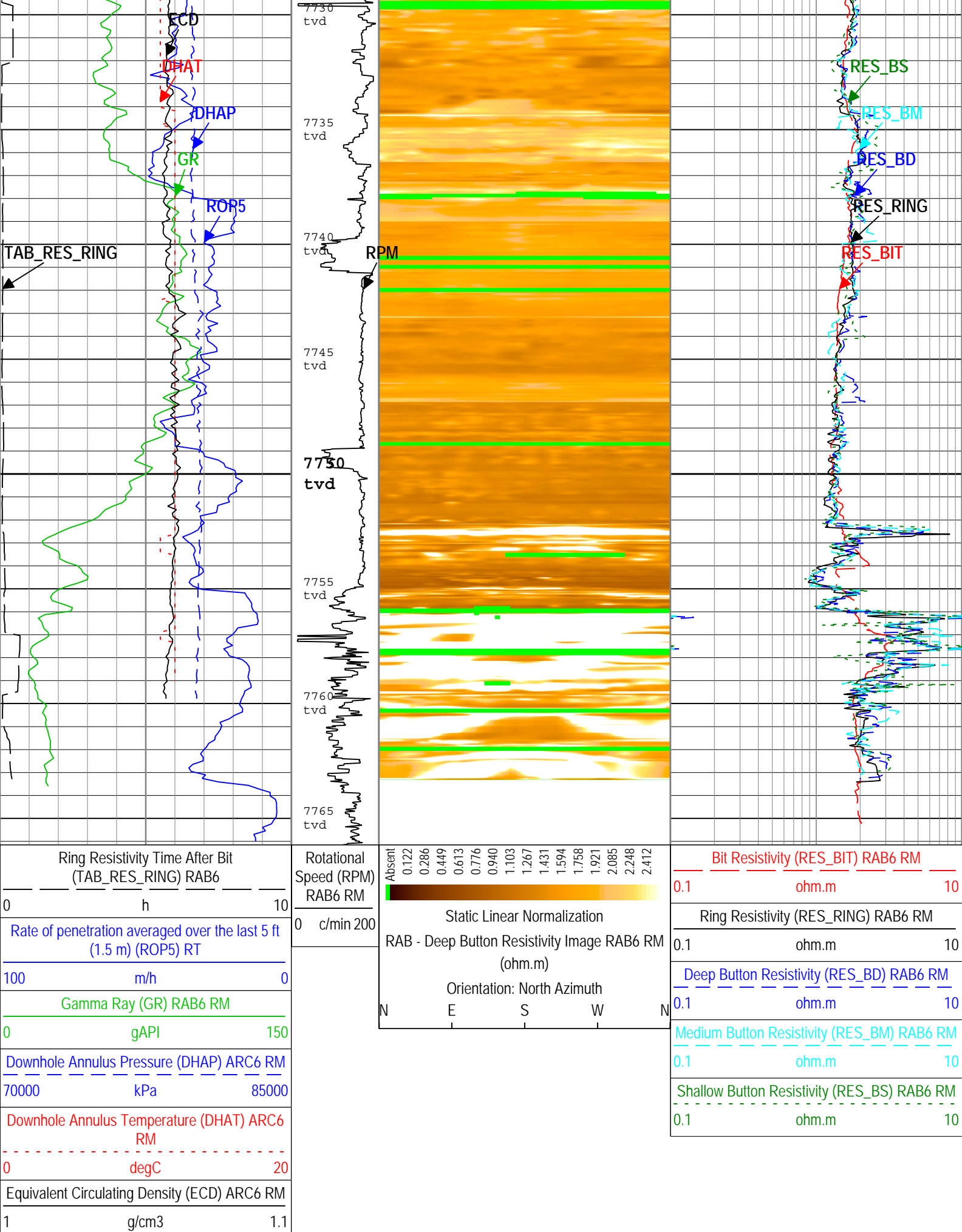












Channel Processing Parameters

Parameter	Description	ToolPath	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	0	%
BHT	Bottom Hole Temperature	Borehole	12	degC
BS	Bit Size	COMPLETION	Depth Zoned	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.04	g/cm3
DFT	Drilling Fluid Type	Borehole	Water	
FLEV	Depth of Drilling Fluid Level to LMF (Log Measured From)	Borehole	28.5	m
GGRD	Geothermal Gradient	Borehole	11.66	degC/km
GRSE_RM	Generalized Mud Resistivity Selection for Recorded Mode	Borehole	REMS	
GTSE_RT	Generalized Temperature Selection for Realtime Mode	Borehole	GTEM_GRDBOTTOM(RT)	
IMG_INTERP_WIN	Maximum Interpolation Window Size for Image	RAB6:RAB6:RBEC	0.15	m
MST	Mud Sample Temperature	Borehole	2	degC
RES_BD_IMG_SEL	GVR Output Resistivity Image Selection, Deep Button	RAB6:RAB6:RBEC	Compensated Uphole	
RHO_SEAWATER	Density of the Sea Water	Borehole	1.04	g/cm3
RMS	Resistivity of Mud Sample	Borehole	0.29	ohm.m
SF_FLAG	Mud Return to Sea Floor (No Riser)?	Borehole	No	
SHT	Surface Hole Temperature	Borehole	10	degC
TD	Total Measured Depth	Borehole	7768.5	m
TEMP_SEL_RAB	RAB Temperature Selection	RAB6:RAB6:RBEC	Tool	

Depth Zone Parameters

Parameter	Value	Start ( m )	Stop ( m )
BS	0	6910	6917.99
BS	8.5	6917.99	7766.18
All depth are actual.			

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 Time	Stop Time	Start Depth ( m )	Stop Depth ( m )
OFFBTM_TH	0.2	21-Apr-2012 17:04:57	25-Apr-2012 22:24:51	6899.71	7768.18
OFFBTM_TH	0.4	25-Apr-2012 22:24:51	26-Apr-2012 20:21:59	7768.18	7768.31
All depth are at tool zero.					

ReamUp Composite 1

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
-------------------	--------------------	-----------------	--------------	------

Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run1	Ream Up 1	Up	7745.45 m	7767.22 m	25-Apr-2012 11:01:58 PM	26-Apr-2012 12:03:43 AM	true
Run1	Ream Up 2	Up	7721.63 m	7752.46 m	26-Apr-2012 12:06:15 AM	26-Apr-2012 1:21:13 AM	true
All depths are referenced to toolstring zero							

Log

ReamUp Composite 1 766C8710-111A-4D28-8E1B-D490FB185D14

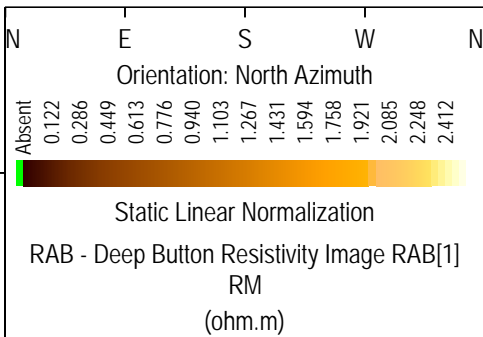


Channel	Source	Sampling
DHAP	ARC[1]:ARC[1]	6in - RM
DHAT	ARC[1]:ARC[1]	6in - RM
ECD	ARC[1]:ARC[1]:APWD[1]	6in - RM
GR	RAB[1]:RAB[1]:RBEC[1]	6in - RM
RES_BD	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_BIT	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_BM	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_BS	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_RING	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
ROP5	DRILLING_SURFACE	6in - RT
RPM	RAB[1]:RAB[1]	1.2in - RM
TAB_RES_RING	RAB[1]:RAB[1]:RBEC[1]	6in

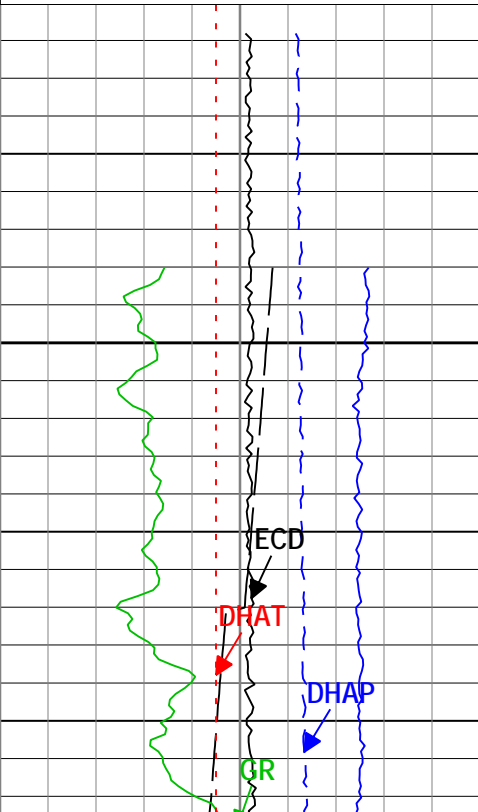
Ring Resistivity Time After Bit (TAB_RES_RING) RAB[1]		
0	h	10
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		
100	m/h	0
Gamma Ray (GR) RAB[1] RM		
0	gAPI	150
Downhole Annulus Pressure (DHAP) ARC[1] RM		
70000	kPa	85000
Downhole Annulus Temperature (DHAT) ARC[1] RM		
0	degC	20
Equivalent Circulating Density (ECD) ARC[1] RM		
1	g/cm3	1.1

Rotational  
Speed (RPM)  
RAB[1] RM

0 c/min 200



Bit Resistivity (RES_BIT) RAB[1] RM		
0.1	ohm.m	10
Ring Resistivity (RES_RING) RAB[1] RM		
0.1	ohm.m	10
Deep Button Resistivity (RES_BD) RAB[1] RM		
0.1	ohm.m	10
Medium Button Resistivity (RES_BM) RAB[1] RM		
0.1	ohm.m	10
Shallow Button Resistivity (RES_BS) RAB[1] RM		
0.1	ohm.m	10

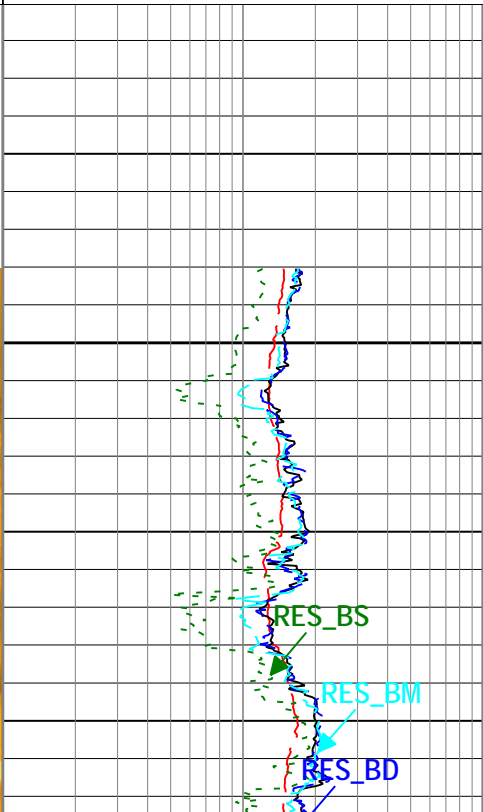
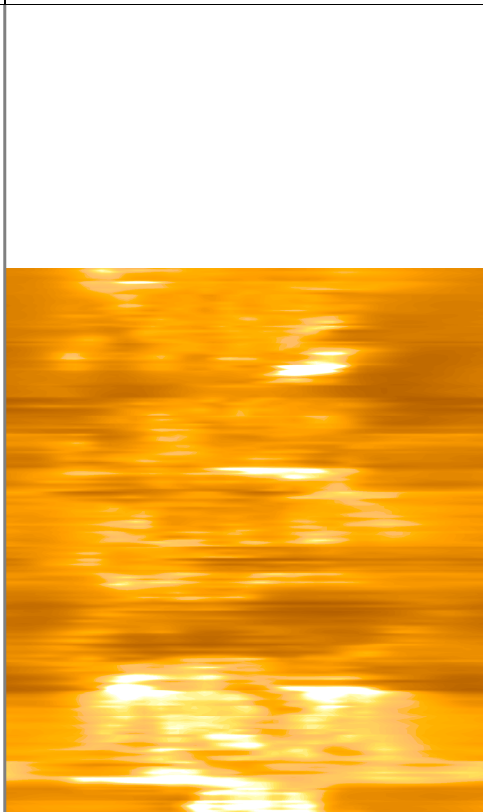


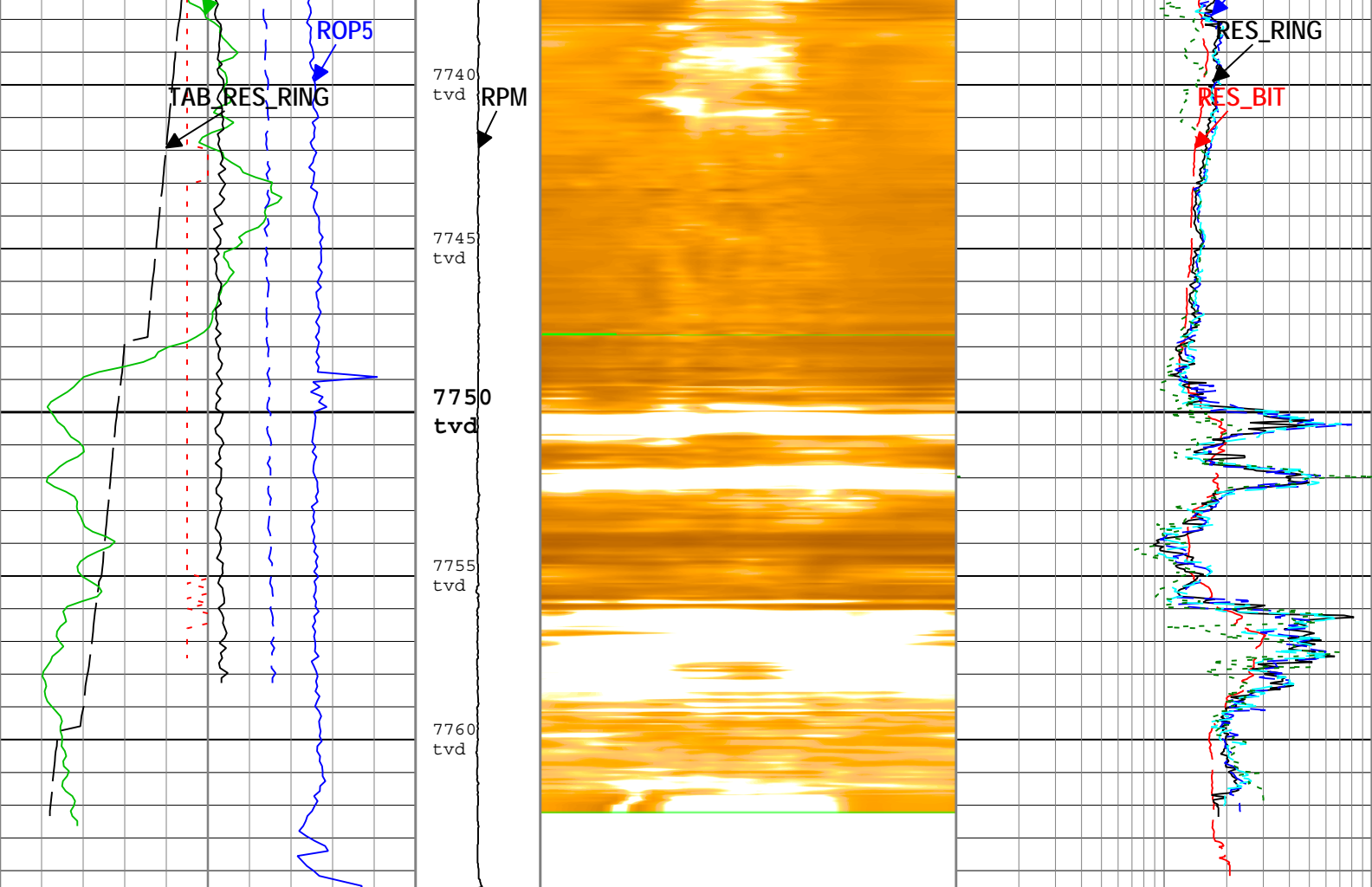
7720  
tvd

7725  
tvd

7730  
tvd

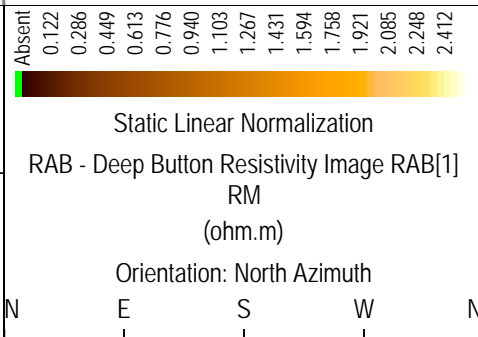
7735  
tvd





Ring Resistivity Time After Bit (TAB_RES_RING) RAB[1]		
0	h	10
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		
100	m/h	0
Gamma Ray (GR) RAB[1] RM		
0	gAPI	150
Downhole Annulus Pressure (DHAP) ARC[1] RM		
70000	kPa	85000
Downhole Annulus Temperature (DHAT) ARC[1] RM		
0	degC	20
Equivalent Circulating Density (ECD) ARC[1] RM		
1	g/cm3	1.1

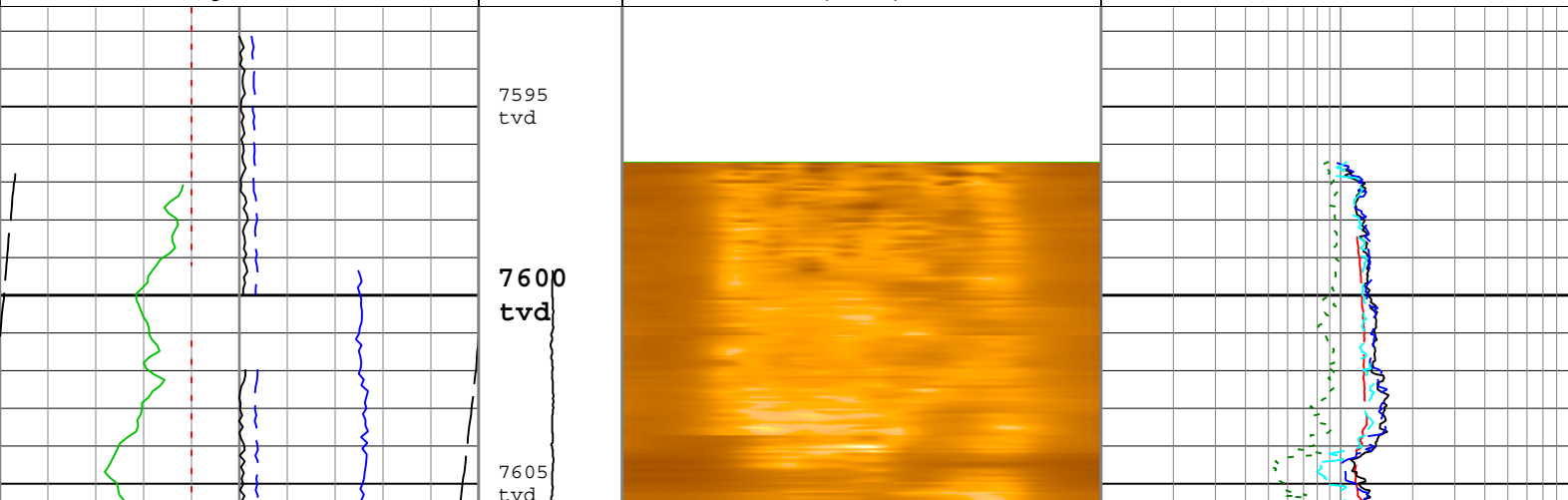
Rotational Speed (RPM) RAB[1] RM
0 c/min 200

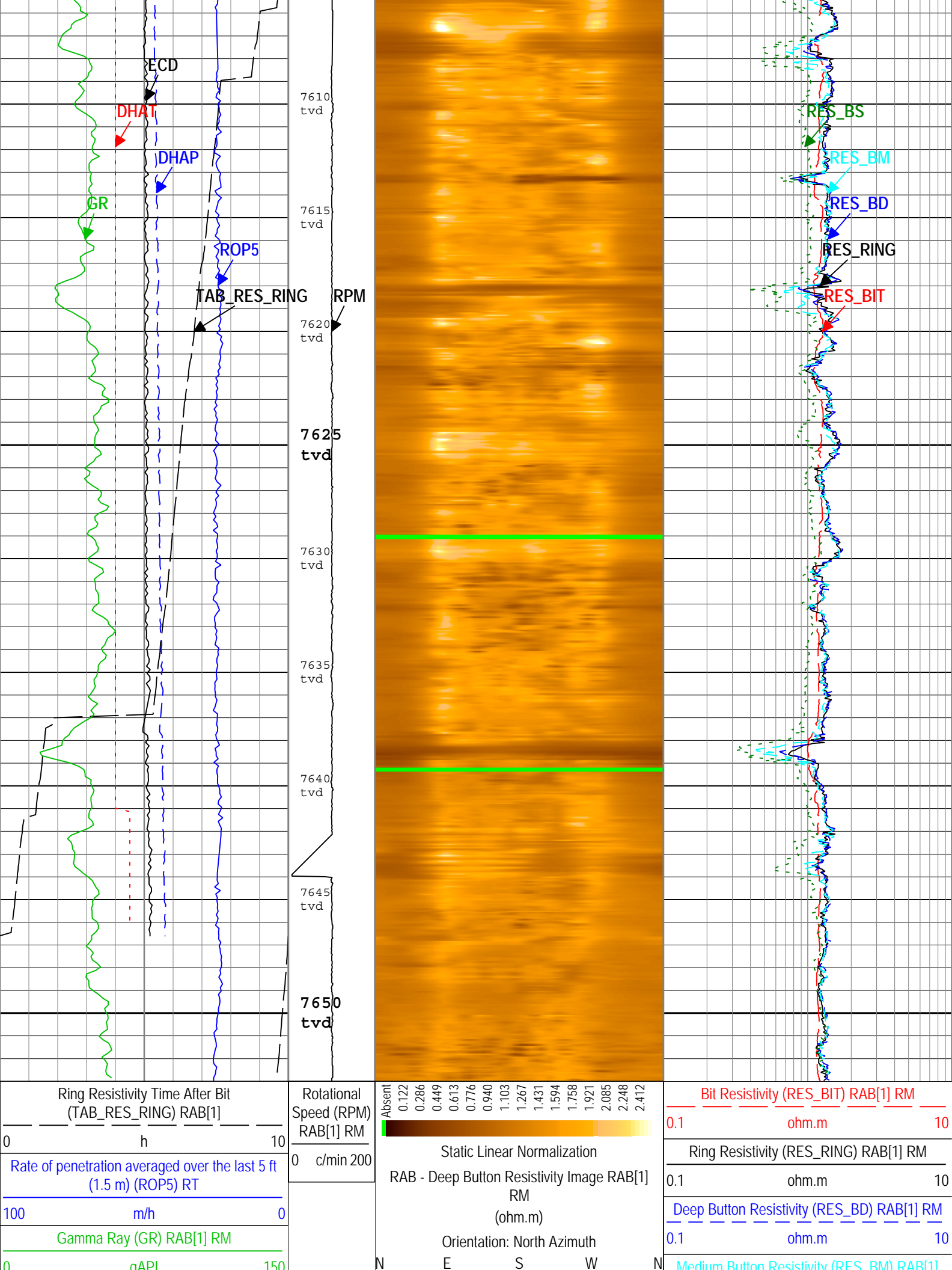


Bit Resistivity (RES_BIT) RAB[1] RM		
0.1	ohm.m	10
Ring Resistivity (RES_RING) RAB[1] RM		
0.1	ohm.m	10
Deep Button Resistivity (RES_BD) RAB[1] RM		
0.1	ohm.m	10
Medium Button Resistivity (RES_BM) RAB[1] RM		
0.1	ohm.m	10
Shallow Button Resistivity (RES_BS) RAB[1] RM		
0.1	ohm.m	10

Description: GVR Resistivity, Deep Button Image    Format: Log ( JFAST RM GVR+APWD TVD Digital )    Index Scale: 1:200    Index Unit: m    Index Type: TVD  
Creation Date: 11-May-2012 18:16:57

ReamUp Composite 2										
Integration Summary										
Output Channel(s)		Output Description			Input Parameter			Output Value		Unit
Composite Summary										
Run	Pass Objective	Direction	Top	Bottom	Start		Stop		Include	





Downhole Annulus Pressure (DHAP) ARC[1] RM		
70000	kPa	85000
Downhole Annulus Temperature (DHAT) ARC[1] RM		
0	degC	20
Equivalent Circulating Density (ECD) ARC[1] RM		
1	g/cm3	1.1

Description: GVR Resistivity, Deep Button Image    Format: Log ( JFAST RM GVR+APWD TVD Digital )    Index Scale: 1:200    Index Unit: m    Index Type: TVD  
Creation Date: 11-May-2012 18:17:02

Medium Button Resistivity (RES_BD) RAB[1] RM		
0.1	ohm.m	10
Shallow Button Resistivity (RES_BS) RAB[1] RM		
0.1	ohm.m	10

ReamUp Composite 3							

Integration Summary								
Output Channel(s)		Output Description		Input Parameter		Output Value		Unit
Composite Summary								
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data	
Run1	Ream Up 6	Up	7296.07 m	7311.47 m	26-Apr-2012 7:05:37 AM	26-Apr-2012 7:37:43 AM	true	
Run1	Ream Up 7	Up	7267.04 m	7298.56 m	26-Apr-2012 8:02:07 AM	26-Apr-2012 9:21:38 AM	true	
Run1	Ream Up 8	Up	7250.07 m	7268.79 m	26-Apr-2012 10:10:43 AM	26-Apr-2012 10:59:30 AM	true	
All depths are referenced to toolstring zero								

Log	ReamUp Composite 3 EF59FE12-AD2D-45B6-BD54-BEE86F46066D			
Description: GVR Resistivity, Deep Button Image    Format: Log ( JFAST RM GVR+APWD TVD Digital )    Index Scale: 1:200    Index Unit: m    Index Type: TVD Creation Date: 11-May-2012 18:17:09				

Channel	Source	Sampling
DHAP	ARC[1]:ARC[1]	6in - RM
DHAT	ARC[1]:ARC[1]	6in - RM
ECD	ARC[1]:ARC[1]:APWD[1]	6in - RM
GR	RAB[1]:RAB[1]:RBEC[1]	6in - RM
RES_BD	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_BIT	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_BM	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_BS	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_RING	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
ROP5	DRILLING_SURFACE	6in - RT
RPM	RAB[1]:RAB[1]	1.2in - RM
TAB_RES_RING	RAB[1]:RAB[1]:RBEC[1]	6in

Ring Resistivity Time After Bit (TAB_RES_RING) RAB[1]		
0	h	10
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		
100	m/h	0
Gamma Ray (GR) RAB[1] RM		
0	gAPI	150
Downhole Annulus Pressure (DHAP) ARC[1] RM		

Bit Resistivity (RES_BIT) RAB[1] RM		
0.1	ohm.m	10
Ring Resistivity (RES_RING) RAB[1] RM		
0.1	ohm.m	10
Deep Button Resistivity (RES_BD) RAB[1] RM		
0.1	ohm.m	10

N	E	S	W	N
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70000 kPa 85000

Downhole Annulus Temperature (DHAT) ARC[1]

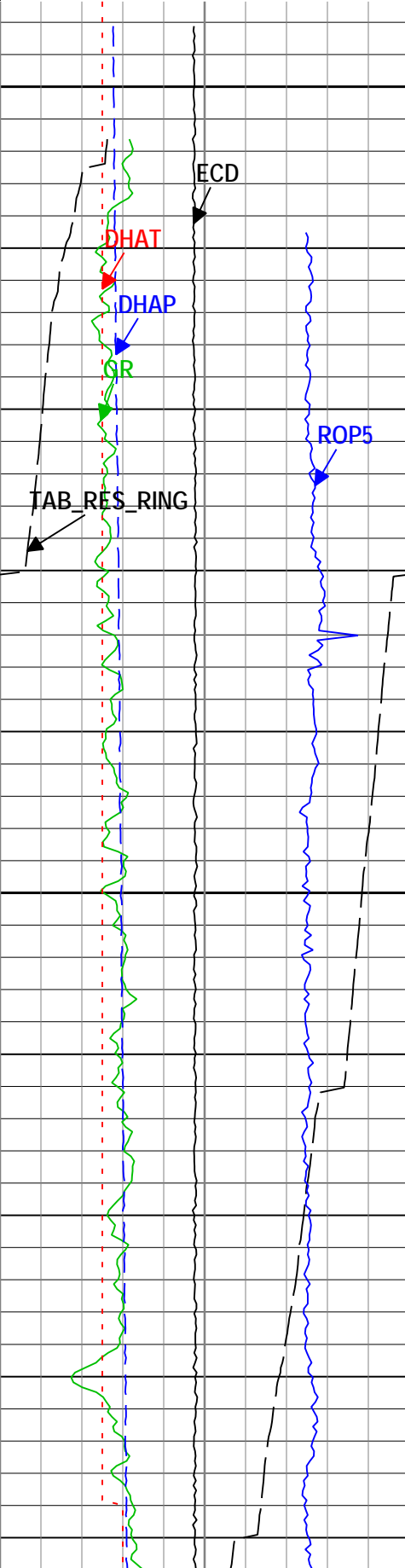
RM

0 degC 20

Equivalent Circulating Density (ECD) ARC[1]

RM

1 g/cm3 1.1



Rotational  
Speed (RPM)  
RAB[1] RM  
0 c/min 200

7250  
tvd

7255  
tvd

7260  
tvd

7265  
tvd

7270  
tvd

7275  
tvd

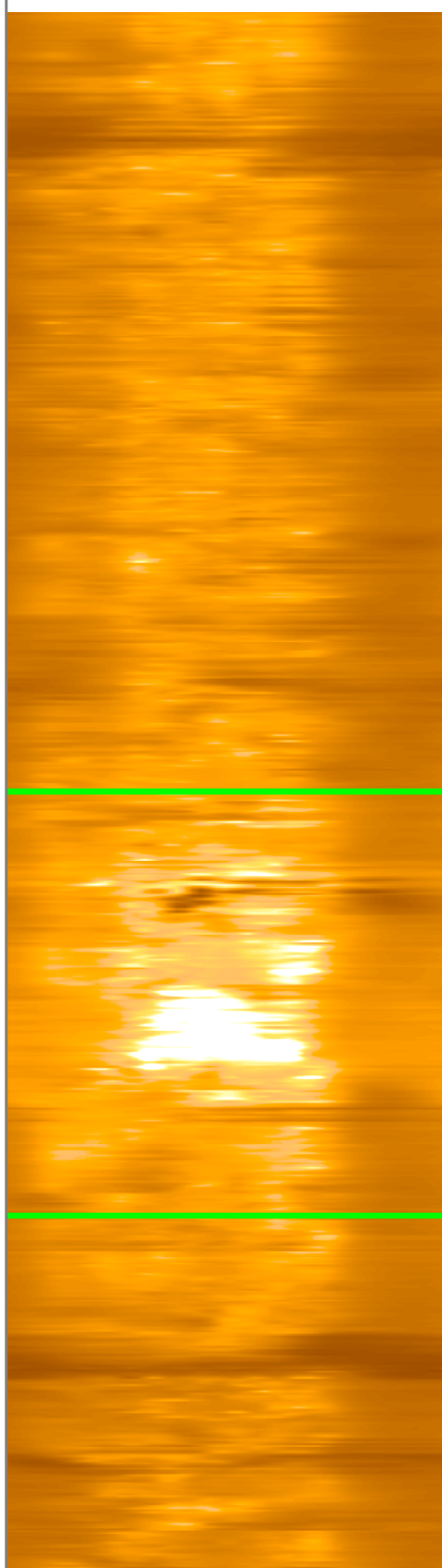
7280  
tvd

7285  
tvd

7290  
tvd

7295  
tvd

Orientation: North Azimuth  
Static Linear Normalization  
RAB - Deep Button Resistivity Image RAB[1]  
RM  
(ohm.m)



0.1 ohm.m 10

Medium Button Resistivity (RES\_BM) RAB[1]

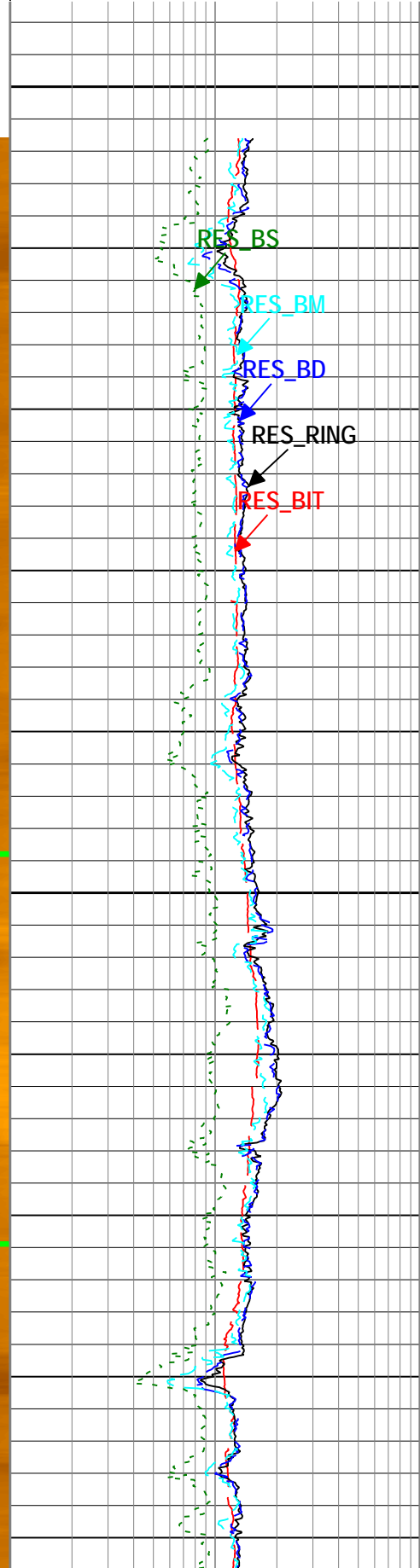
RM

0.1 ohm.m 10

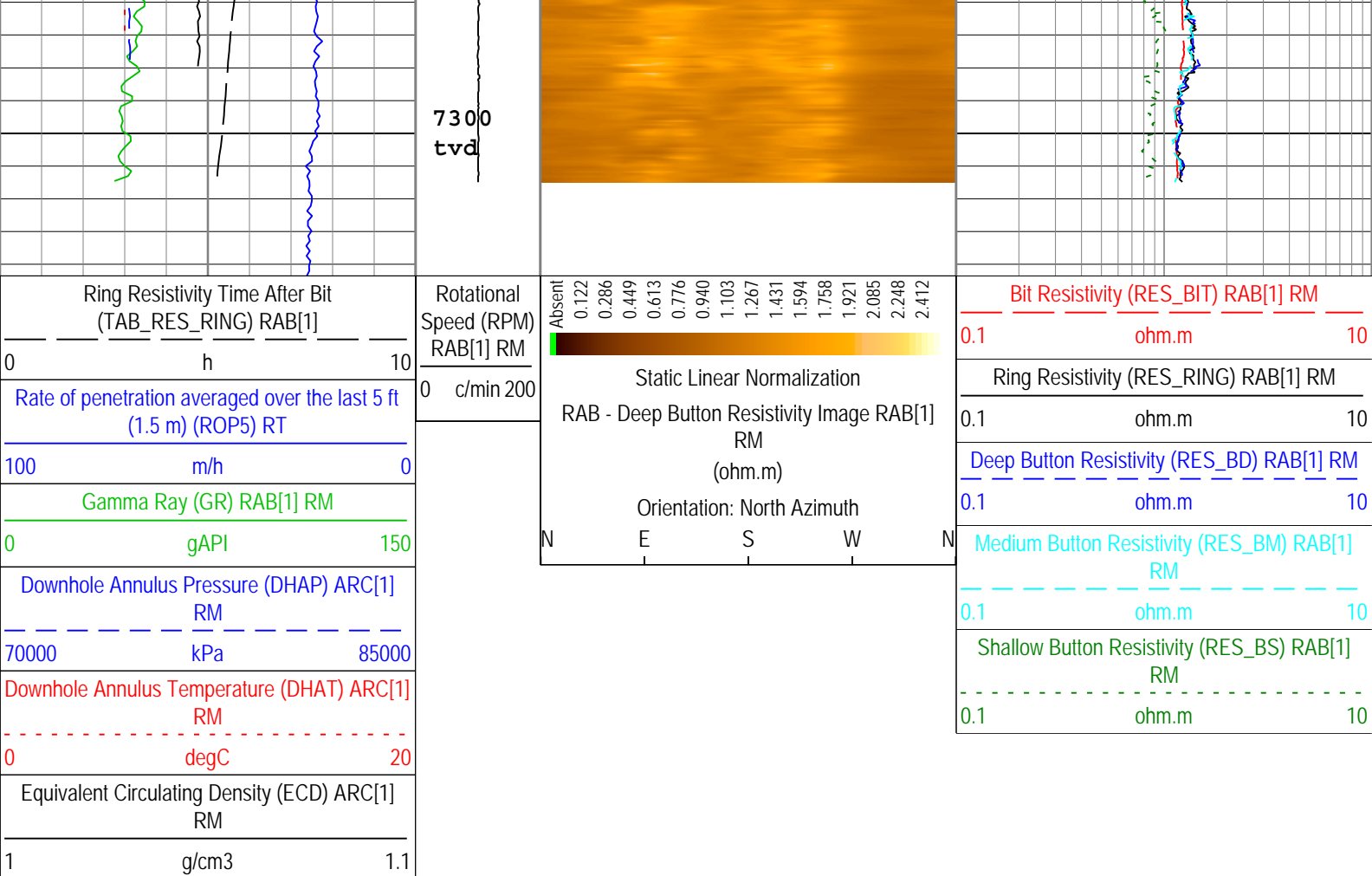
Shallow Button Resistivity (RES\_BS) RAB[1]

RM

0.1 ohm.m 10







Description: GVR Resistivity, Deep Button Image    Format: Log ( JFAST RM GVR+APWD TVD Digital )    Index Scale: 1:200    Index Unit: m    Index Type: TVD  
Creation Date: 11-May-2012 18:17:09

## Calibration Report

### RAB6 (GeoVision Resistivity 675) Calibration - Run Run1

Primary Equipment :

Electronics Chassis

RBEC

228

### M21V - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Monitor 2 at T1 Calibration Coefficient		Master	1.0000	0.9750	0.9984	1.0250	<div><div></div><div></div><div></div><div></div><div></div></div>

### M22V - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Monitor 2 at T2 Calibration Coefficient		Master	1.0000	0.9750	0.9942	1.0250	<div><div></div><div></div><div></div><div></div><div></div></div>

### M01V - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Monitor 0 at T1 Calibration Coefficient		Master	1.0000	0.9750	1.0058	1.0250	<div><div></div><div></div><div></div><div></div><div></div></div>

### M02V - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Monitor 0 at T2 Calibration Coefficient		Master	1.0000	0.9750	1.0016	1.0250	<div><div></div><div></div><div></div><div></div><div></div></div>

### R1V - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Ring at T1 Calibration Coefficient		Master	1.0000	0.9750	0.9954	1.0250	<div><div></div><div></div><div></div><div></div><div></div></div>

### R2V - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
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Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Ring at T2 Calibration Coefficient		Master	1.0000	0.9750	0.9918	1.0250	

## BDM1 - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Button Deep at T1 Calibration Coefficient		Master	1.0000	0.9750	0.9937	1.0250	

## BDM2 - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Button Deep at T2 Calibration Coefficient		Master	1.0000	0.9750	0.9895	1.0250	

## BMM1 - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Button Medium at T1 Calibration Coefficient		Master	1.0000	0.9750	0.9998	1.0250	

## BMM2 - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Button Medium at T2 Calibration Coefficient		Master	1.0000	0.9750	0.9956	1.0250	

## BSM1 - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Button Shallow at T1 Calibration Coefficient		Master	1.0000	0.9750	1.0061	1.0250	

## BSM2 - Resistivity

Master (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Button Shallow at T2 Calibration Coefficient		Master	1.0000	0.9750	1.0021	1.0250	

## PGR - Gamma Ray: Blanket

Master (Time Frame File): 18:47:12 26-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Calibration Gain		Master	1.0000	0.7500	0.8716	1.2500	

## ARC6 (Array Resistivity Compensated 675) Calibration - Run Run1

Primary Equipment :

Elec. Chassis HP with AIM Receiver

AREA

2914

## RESAIRCAL - Resistivity: Air

Master (Time Frame File): 22:15:21 25-Feb-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Attenuation T1 at 2 MHz	dB	Master	8.500	6.500	8.697	10.500	
Attenuation T2 at 2 MHz	dB	Master	6.500	4.500	6.322	8.500	
Attenuation T3 at 2 MHz	dB	Master	4.500	2.500	5.294	6.500	
Attenuation T4 at 2 MHz	dB	Master	4.600	2.600	4.218	6.600	
Attenuation T5 at 2 MHz	dB	Master	3.600	1.600	3.843	5.600	
Phase Shift T1 at 2 MHz	deg	Master	0.100	-3.900	0.985	4.100	
Phase Shift T2 at 2 MHz	deg	Master	0.100	-3.900	-0.887	4.100	
Phase Shift T3 at 2 MHz	deg	Master	0.100	-3.900	0.867	4.100	
Phase Shift T4 at 2 MHz	deg	Master	0.100	-3.900	-0.932	4.100	
Phase Shift T5 at 2 MHz	deg	Master	0.100	-3.900	0.858	4.100	
Attenuation T1 at 400 KHz	dB	Master	8.500	6.500	8.708	10.500	
Attenuation T2 at 400 KHz	dB	Master	6.500	4.500	6.315	8.500	
Attenuation T3 at 400 KHz	dB	Master	4.500	2.500	5.302	6.500	
Attenuation T4 at 400 KHz	dB	Master	4.600	2.600	4.205	6.600	
Attenuation T5 at 400 KHz	dB	Master	3.600	1.600	3.860	5.600	
Phase Shift T1 at 400 KHz	deg	Master	0.100	-3.900	0.047	4.100	
Phase Shift T2 at 400 KHz	deg	Master	0.100	-3.900	-0.090	4.100	
Phase Shift T3 at 400 KHz	deg	Master	0.100	-3.900	0.077	4.100	
Phase Shift T4 at 400 KHz	deg	Master	0.100	-3.900	-0.105	4.100	
Phase Shift T5 at 400 KHz	deg	Master	0.100	-3.900	0.053	4.100	

## GRGAIN - Gamma Ray: Blanket


Master (Time Frame File): 09:48:08 27-Feb-2012



Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Calibration Gain		Master	1.000	0.580	0.933	1.250	

Company:	JAMSTEC	
Well:	C0019B	
Field:	Japan Trench - Miyagi Offshore	
Rig Name:	Chikyu	
State:	Miyagi	
Country:	Japan	





geoVISION Resistivity Image - APWD

Gamma Ray - Resistivity - Image - APWD

8.5in Recorded Mode Log. True Vertical Depth 1:200