

BestDT* SonicVision Processing

Run 4 : 2775m - 3565m (1/200)

* A Mark of Schlumberger

Using the following logs: sonicVision

COMPANY: Beach Petroleum
WELL: Fermat-1
FIELD: Fermat
Rig: West Triton
STATE: VIC
COUNTRY: Australia
Date Logged: 08-Jan-2009
Well Location: Otway Basin
Date Processed: 08-Jan-2009
Elevations: KB: 38m
GL: -38.7m

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Field Recording:	Location:	Software Version: 13X0-101	Engineer: Joshua S
Office Recording:	ICS Center: Melbourne	Baseline: GF 4.4 DC3	Log Analyst: A. Datey

Mud and Borehole Measurements:		
Rm @ Measured Temperature: 0.1142ohm.m @ 24.3degC	BHT:	Bitsize: 8.5in
Rmf @ Measured Temperature:0.0884ohm.m @ 24.3degC	Type Fluid in Hole:	WBM
Rmc @ Measured Temperature:0.1356ohm.m @ 24.1degC	Mud Density: 10.6 ppg	

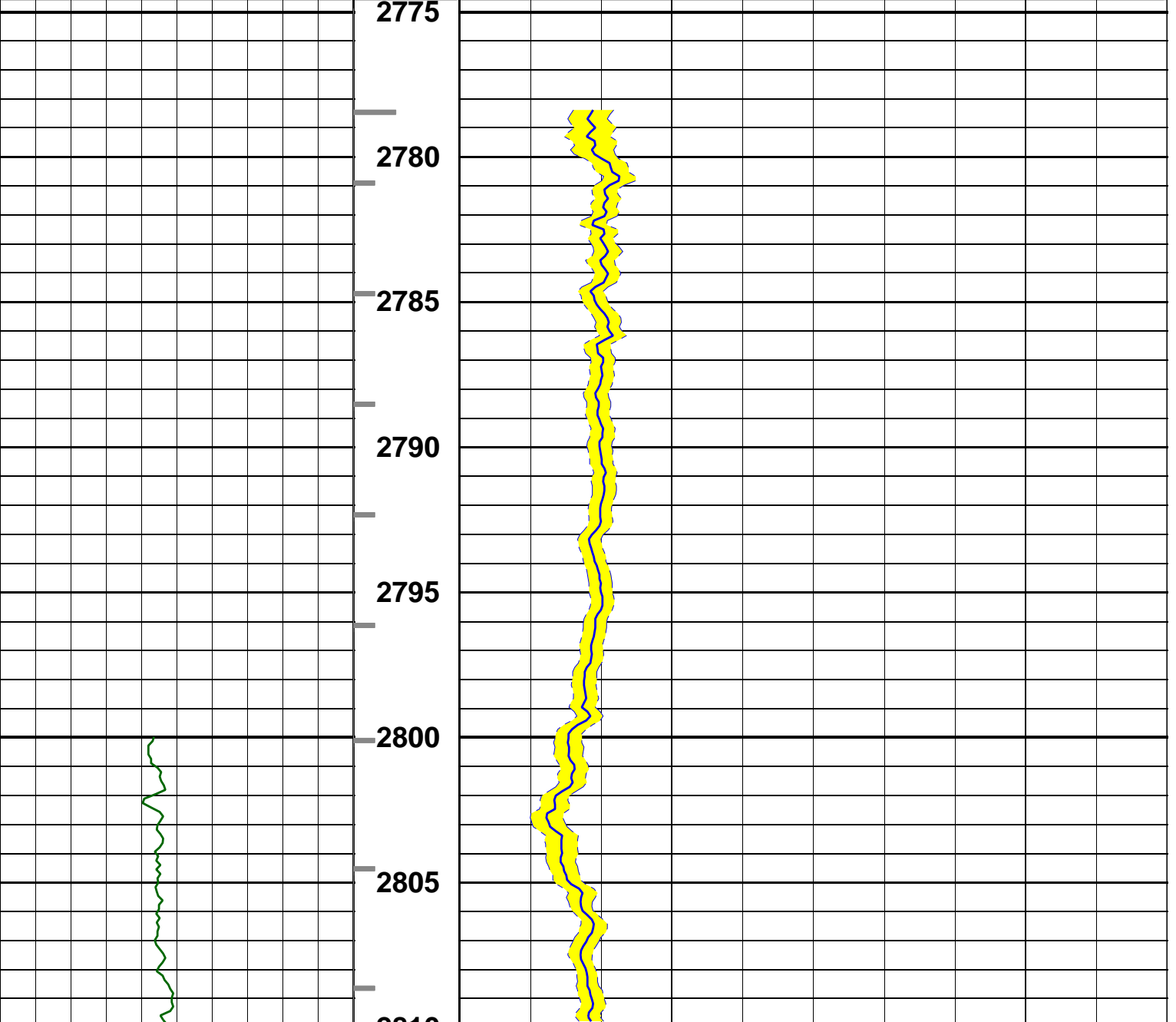
Remarks:
sonicVision6 run in hole drilled with bit size of 8.5"
The overall data quality is very good.
See the bottom of the QC log for processing parameters.

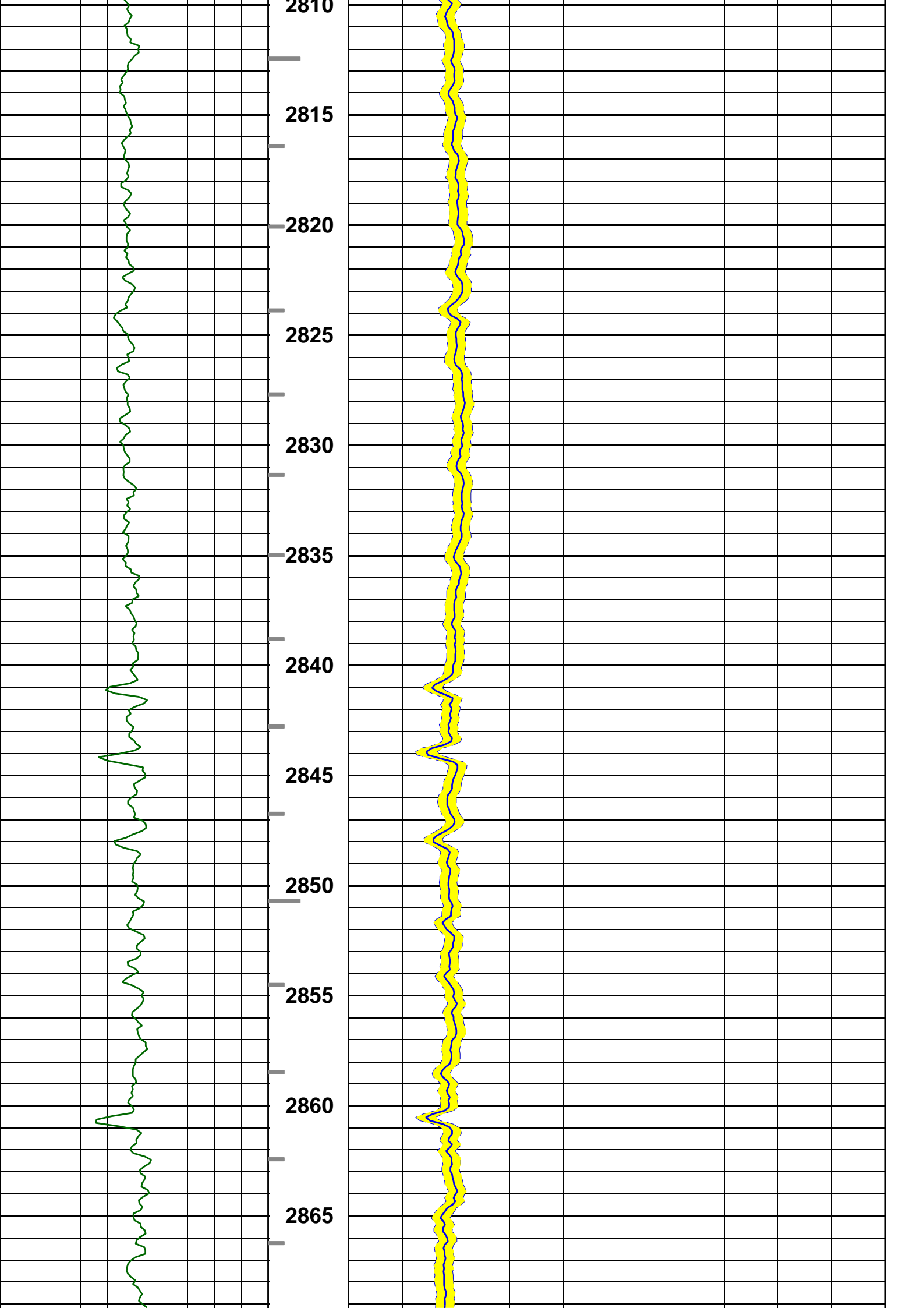
ITT PIPS - Small:1ms ; Large:10ms

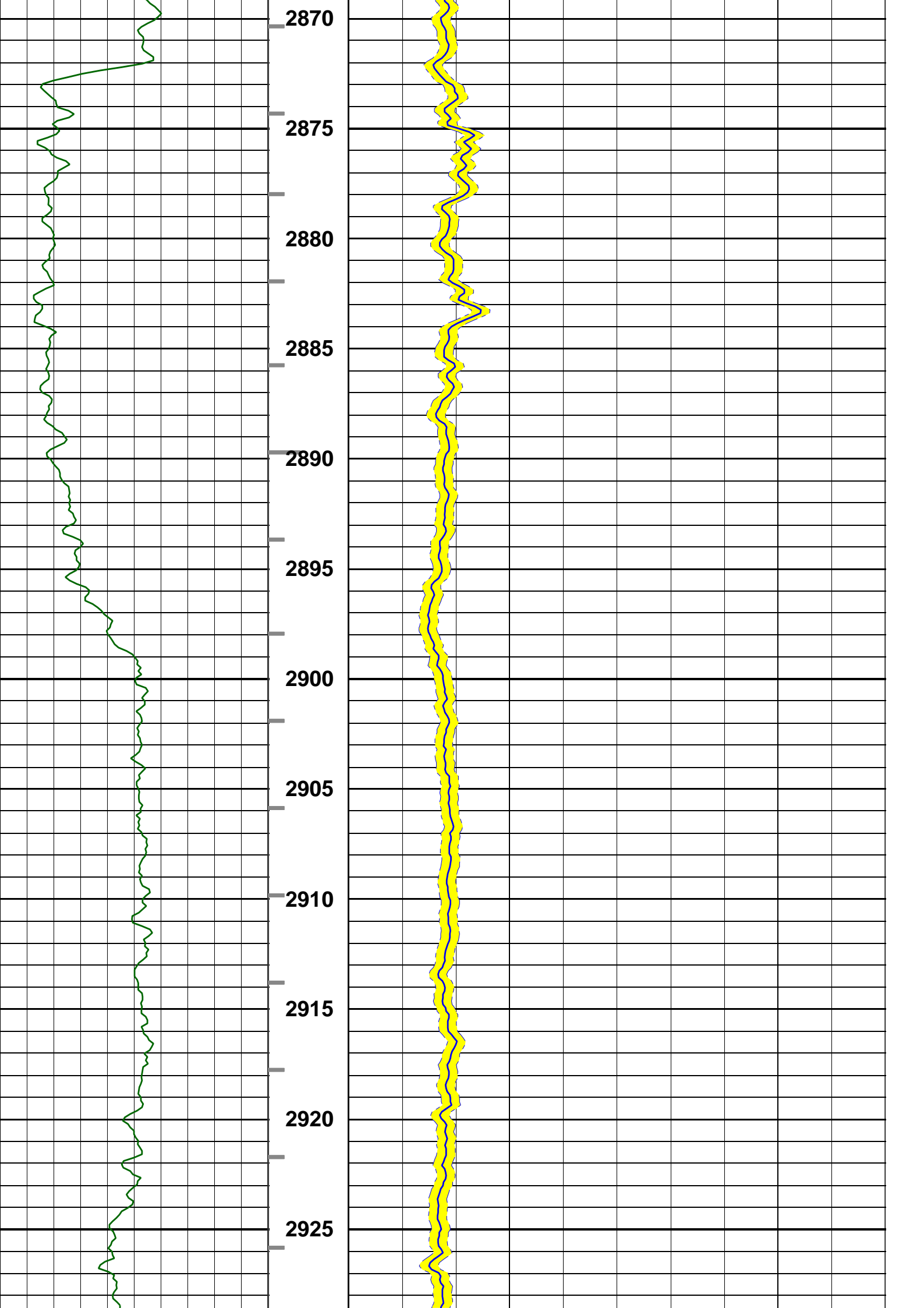
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1 : 200
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PIPS
0 () 5

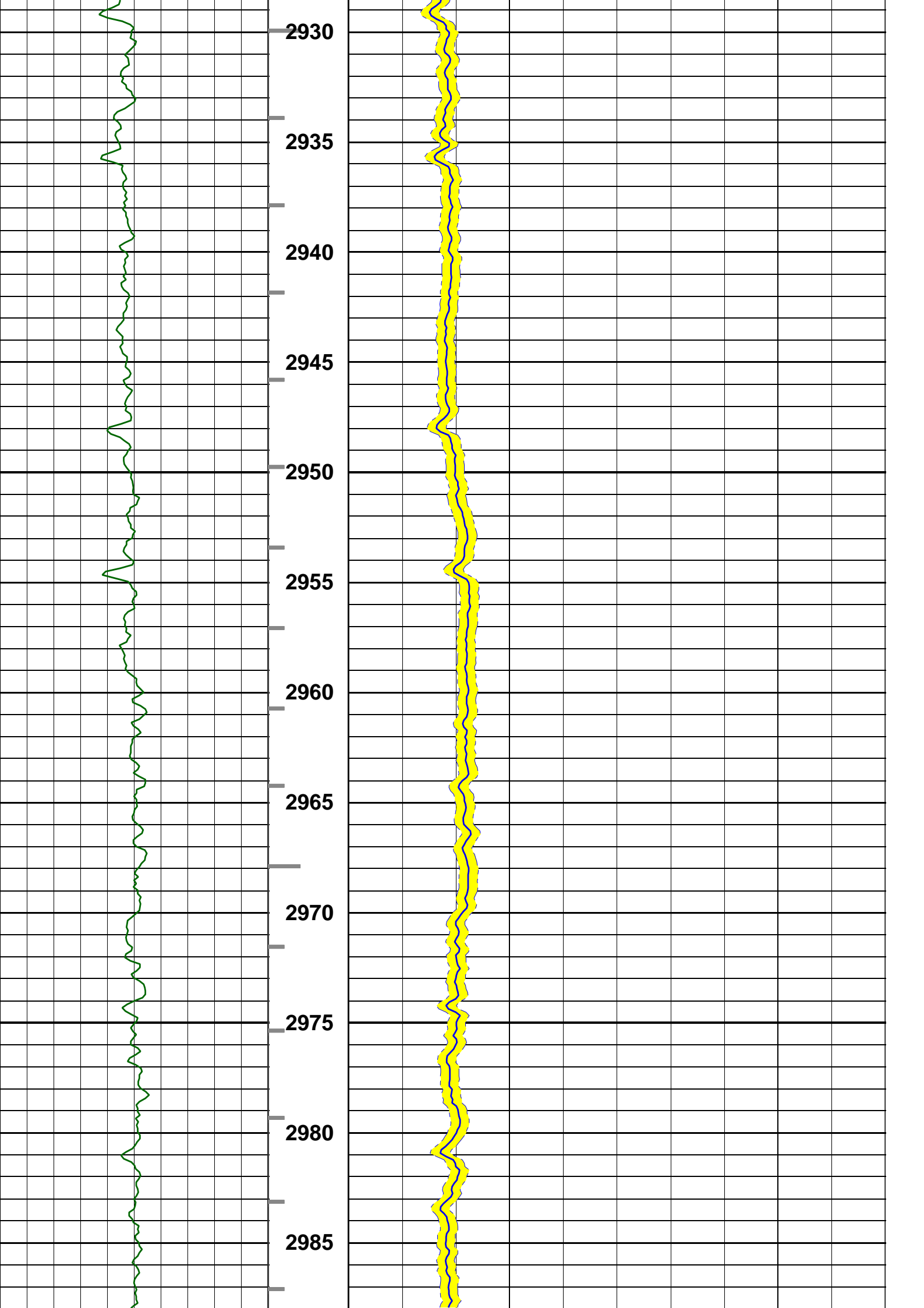
Gamma Ray
(gAPI) 0 200

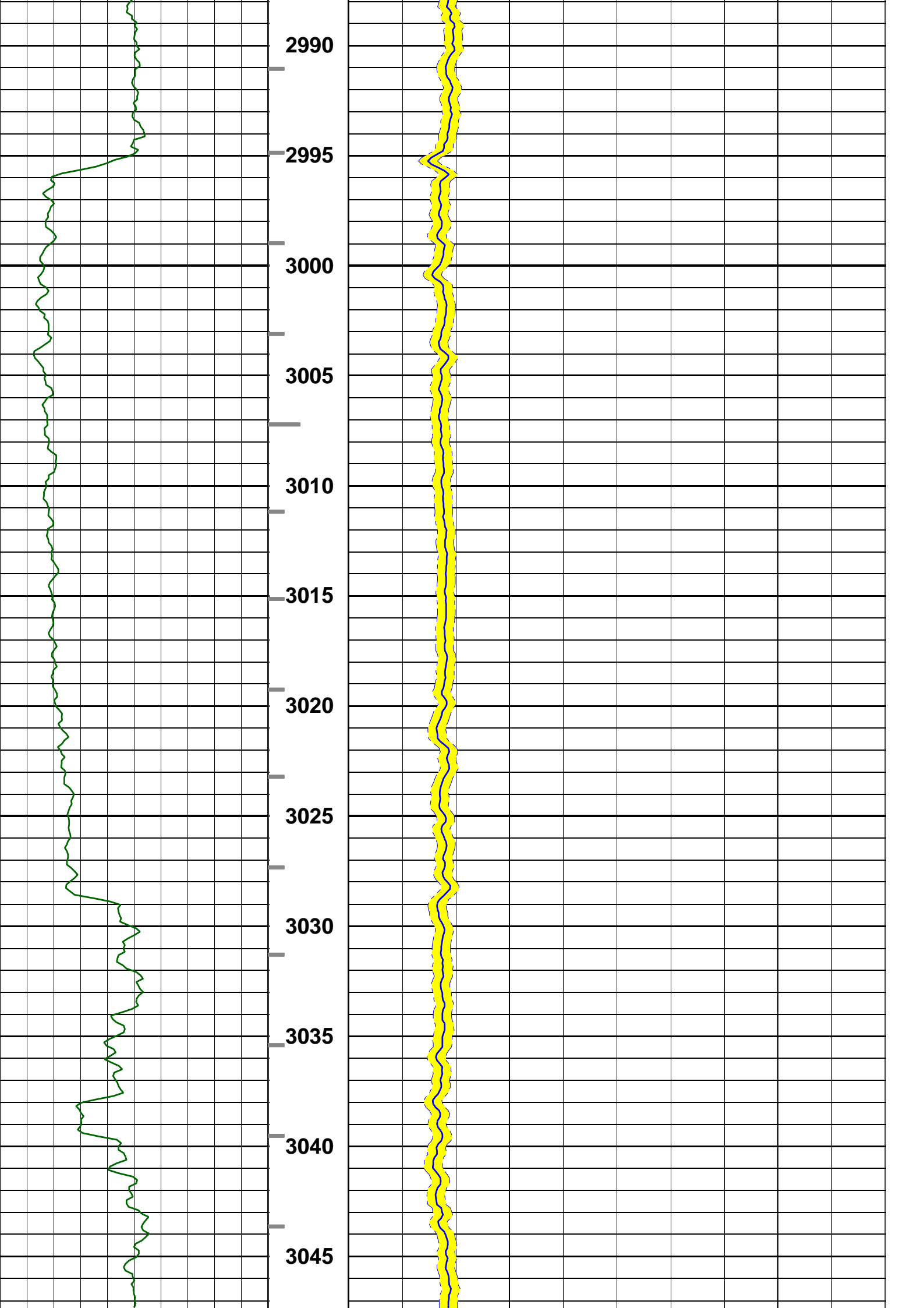
Compressional Delta-T (DTCO)
(us/ft) 40 240

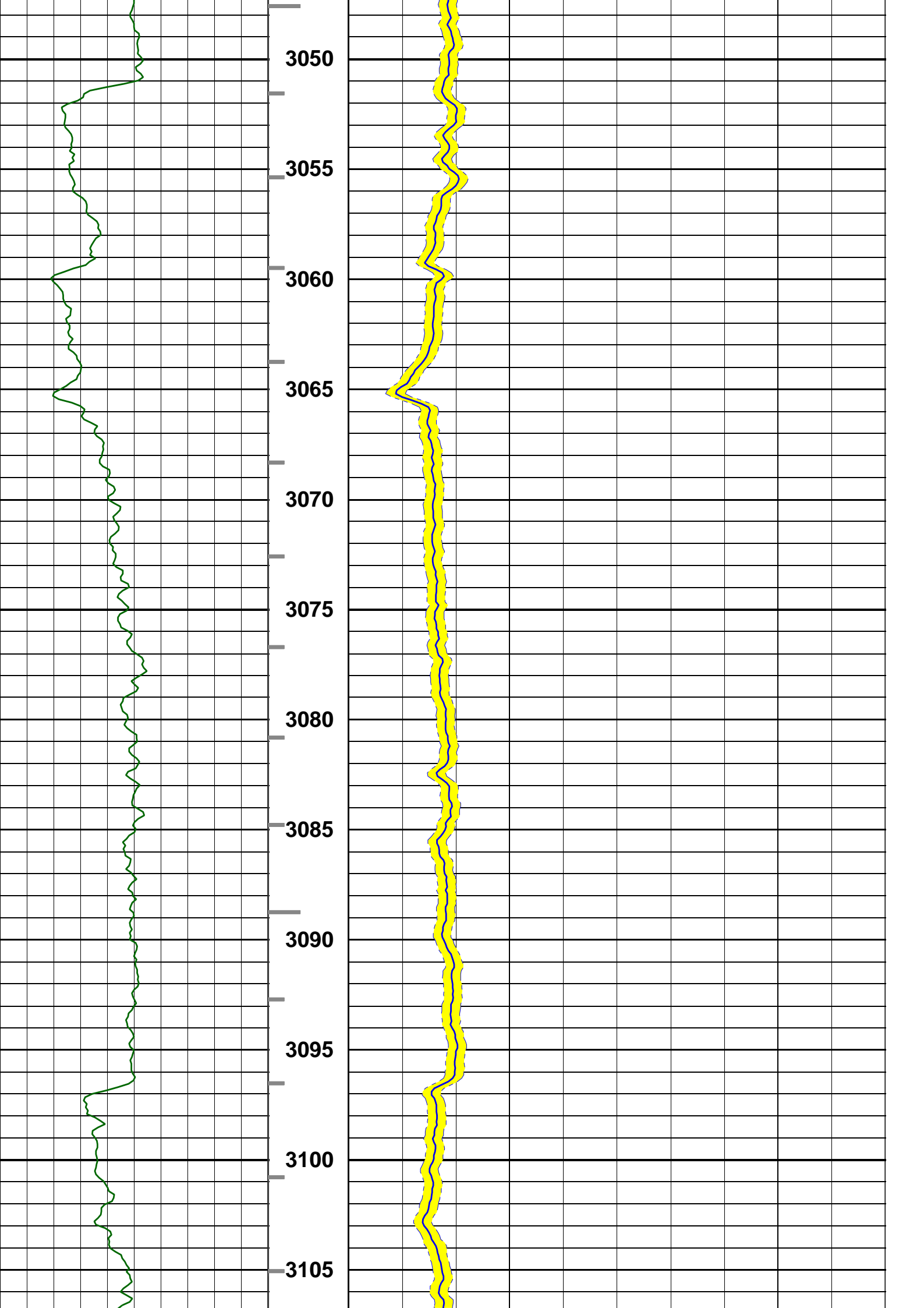


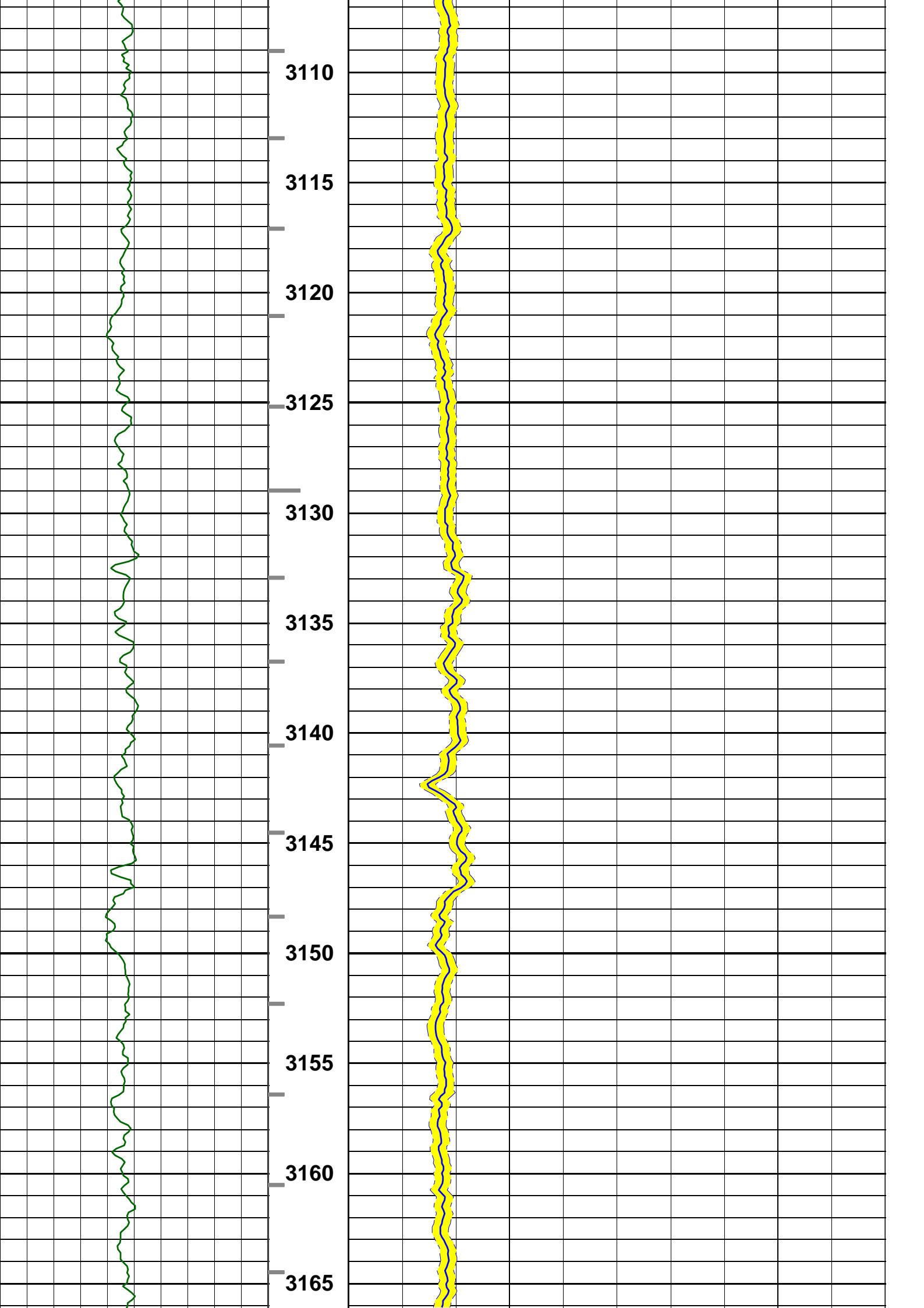


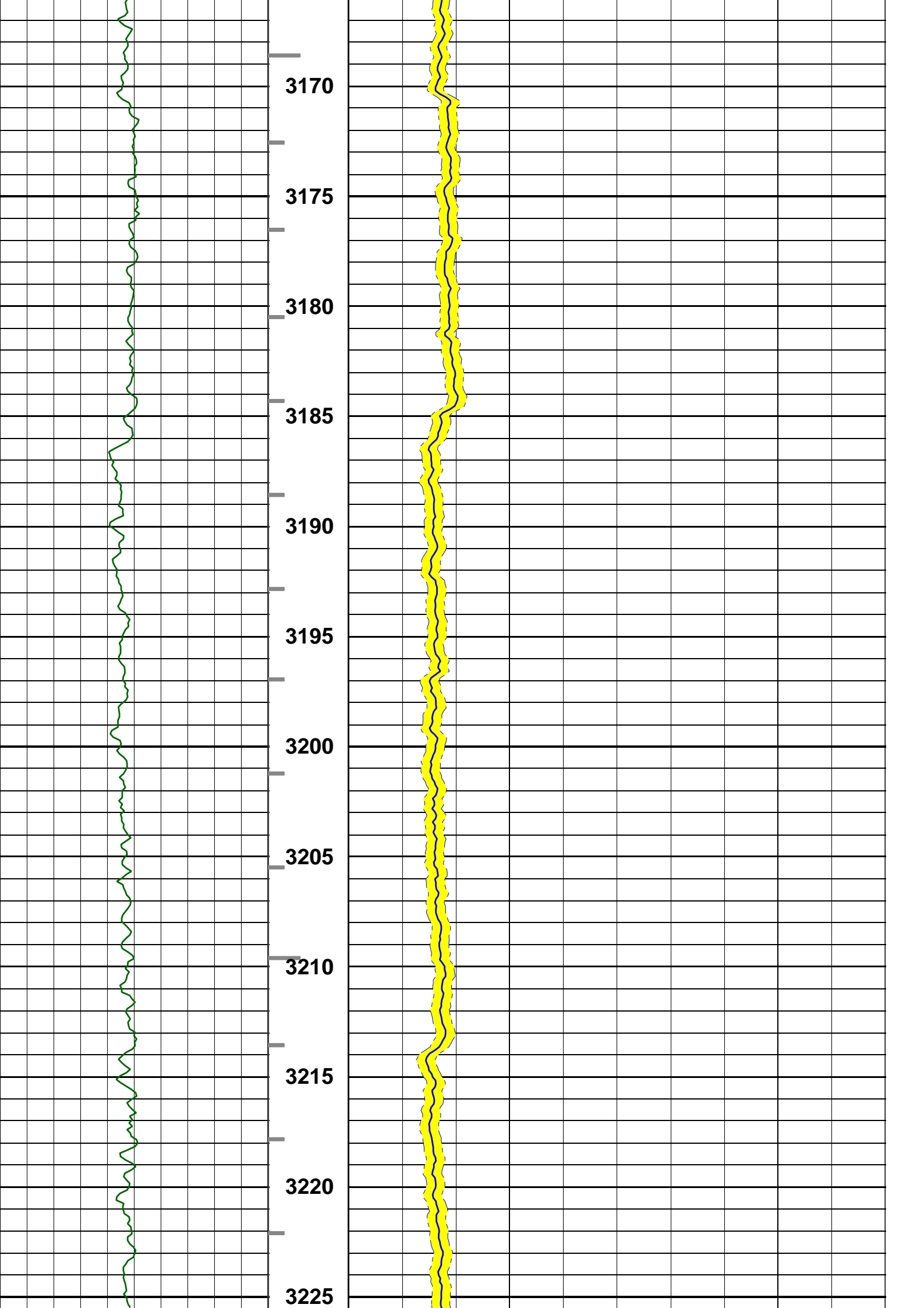


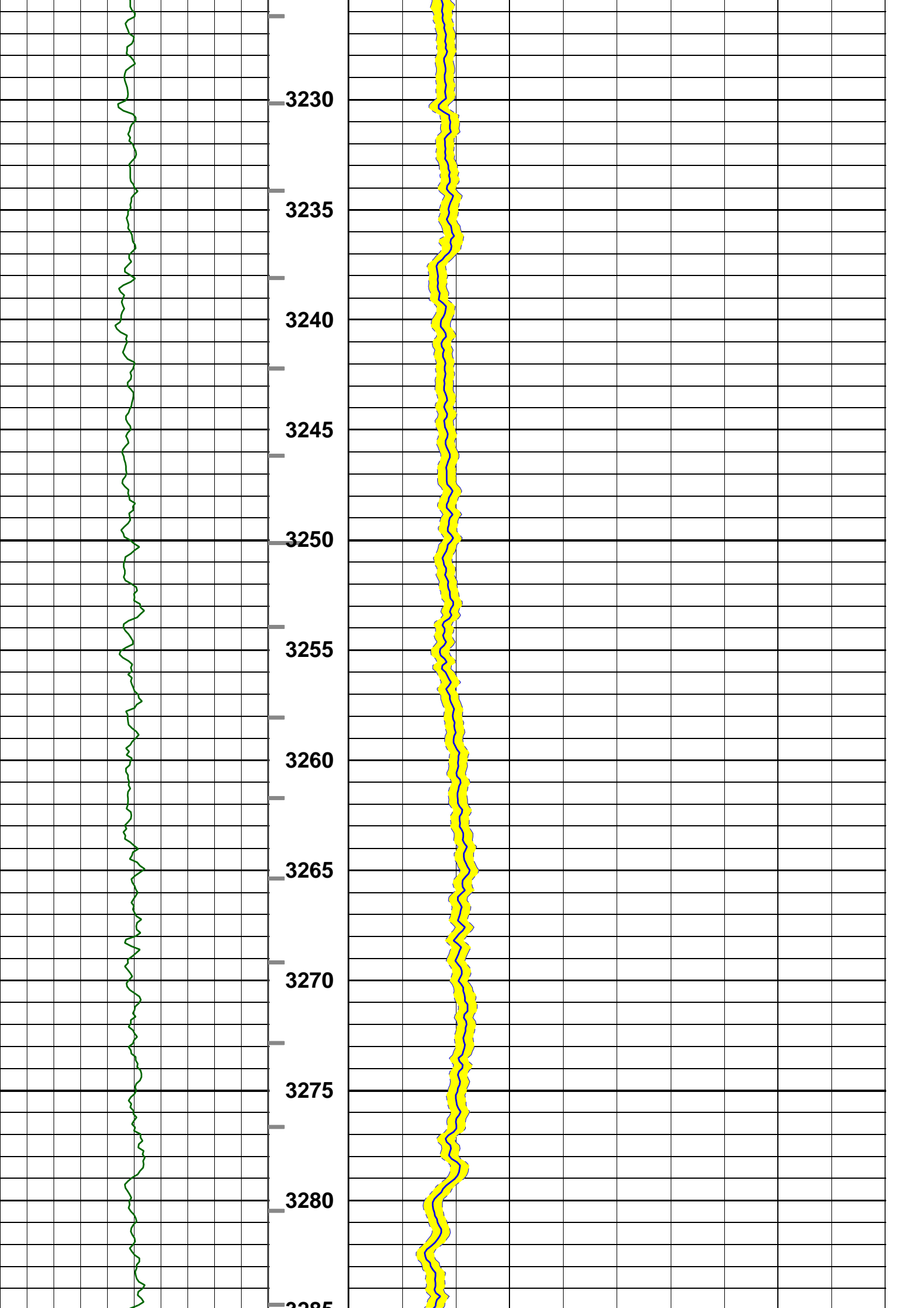


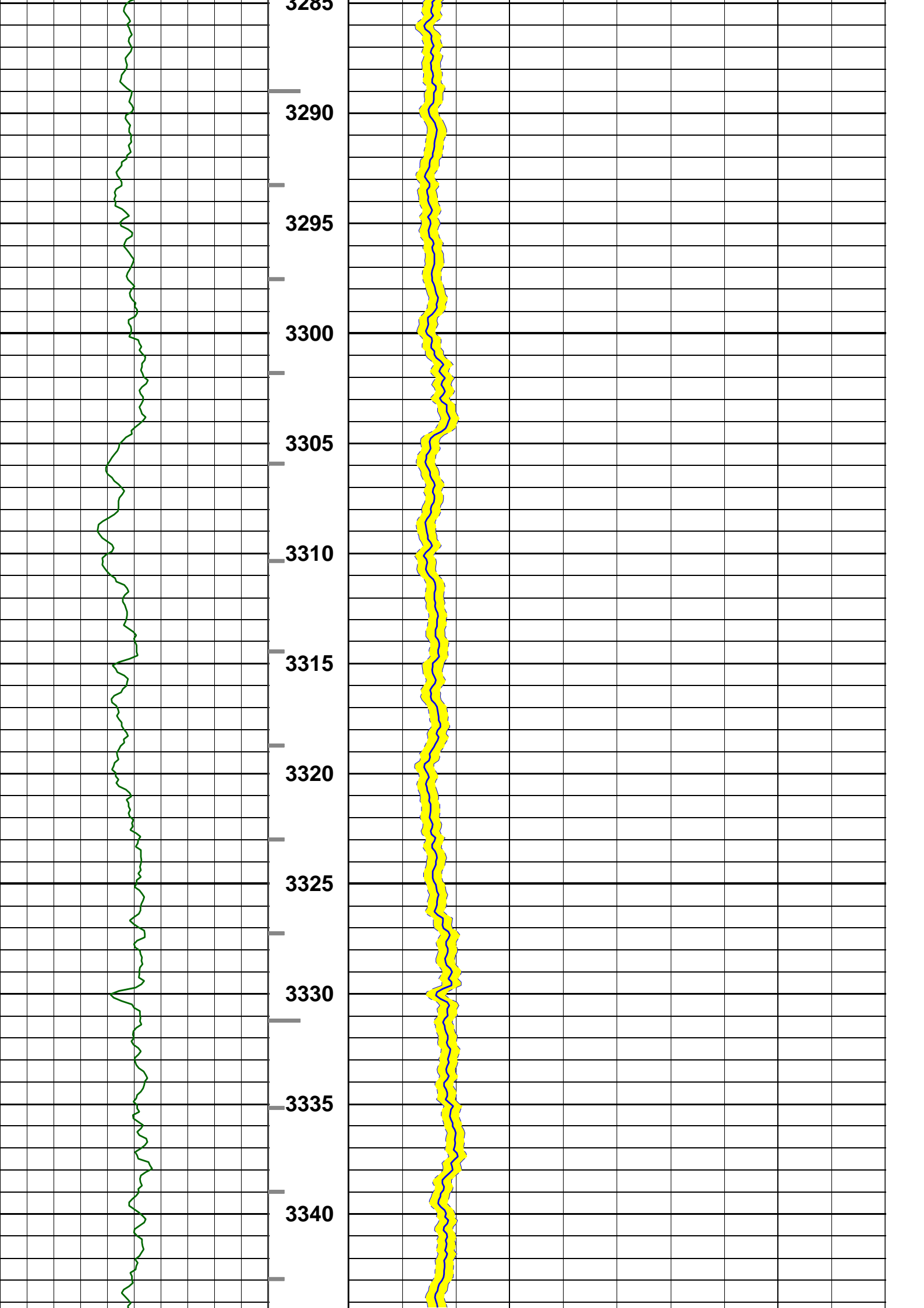


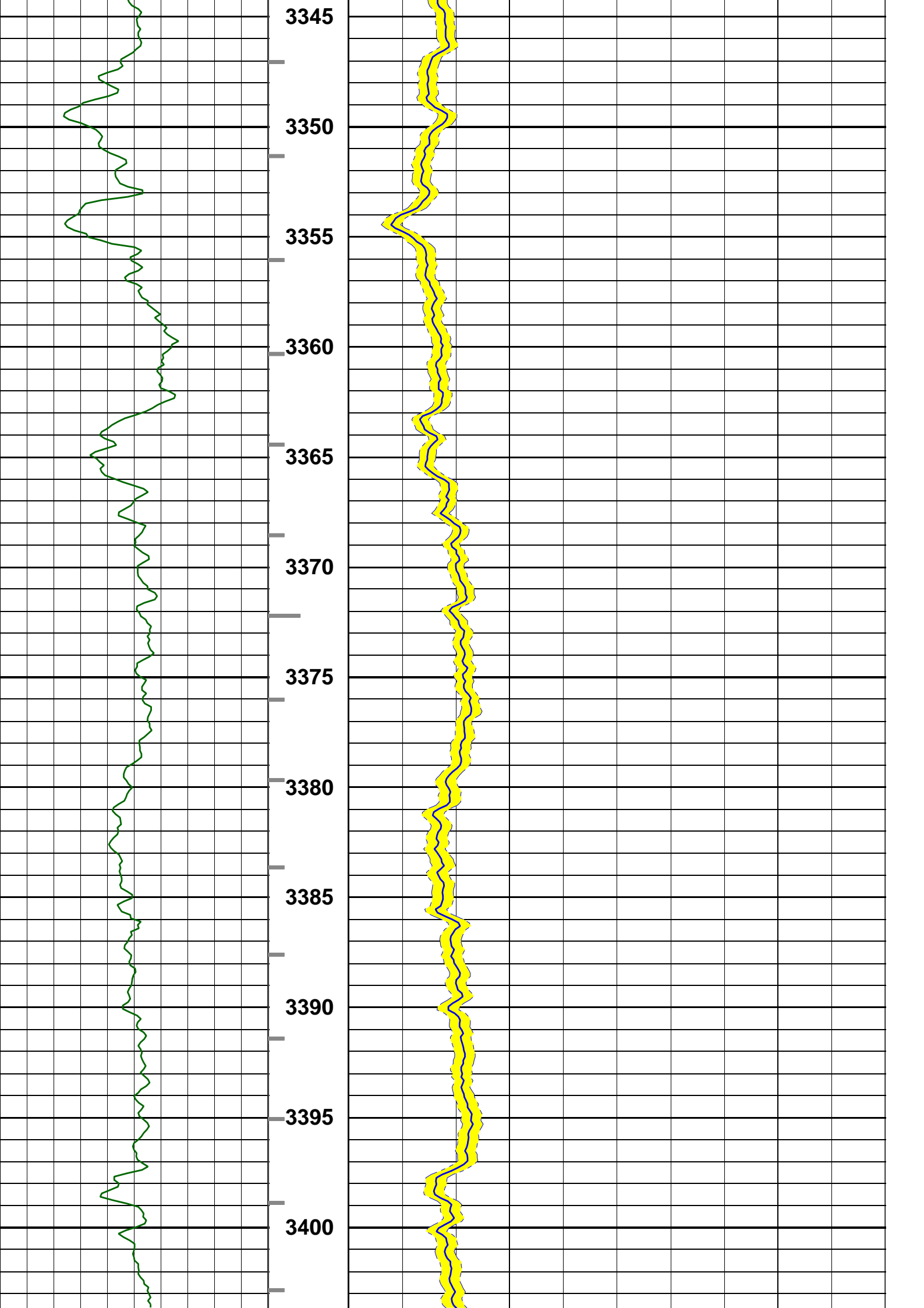


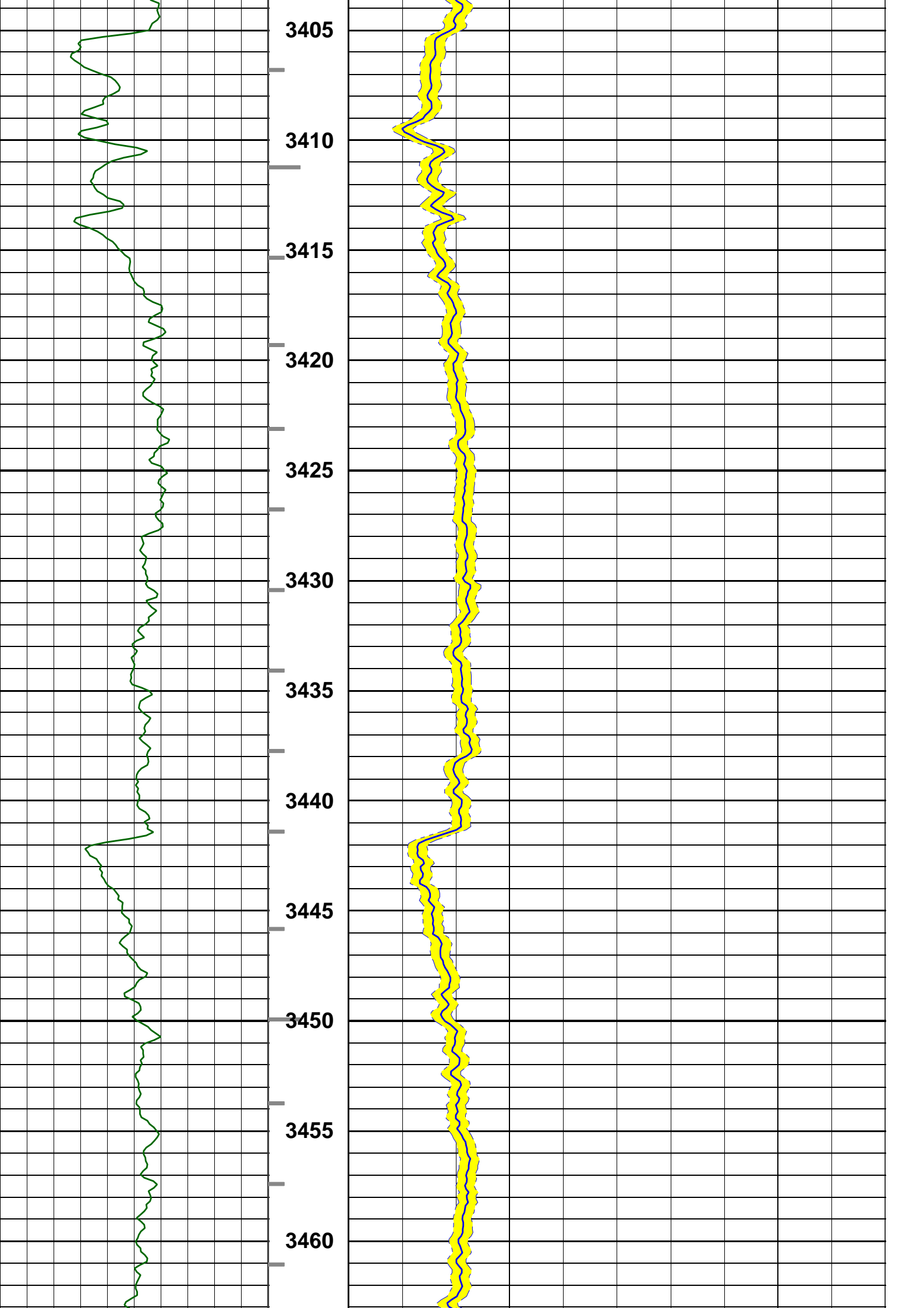


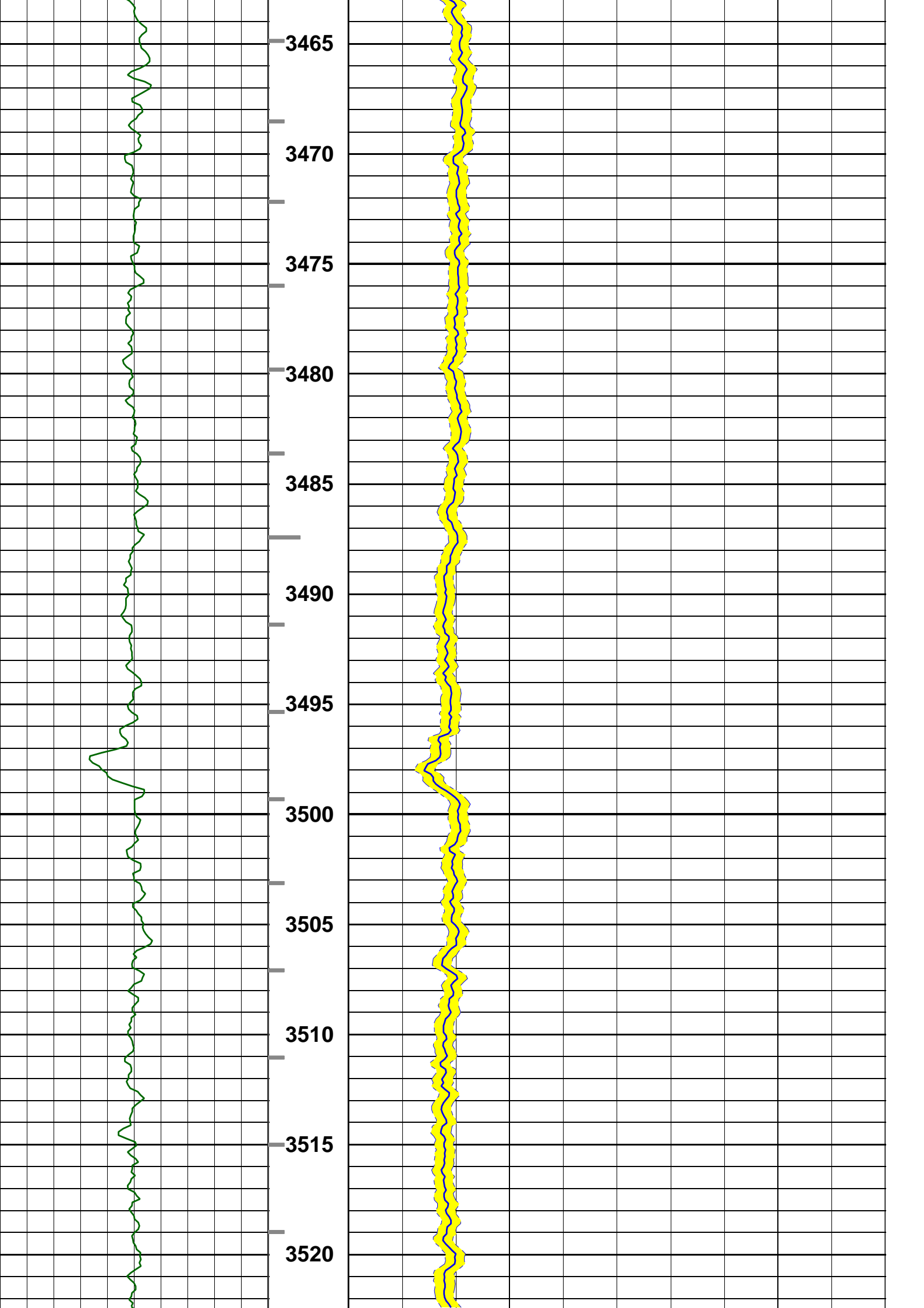


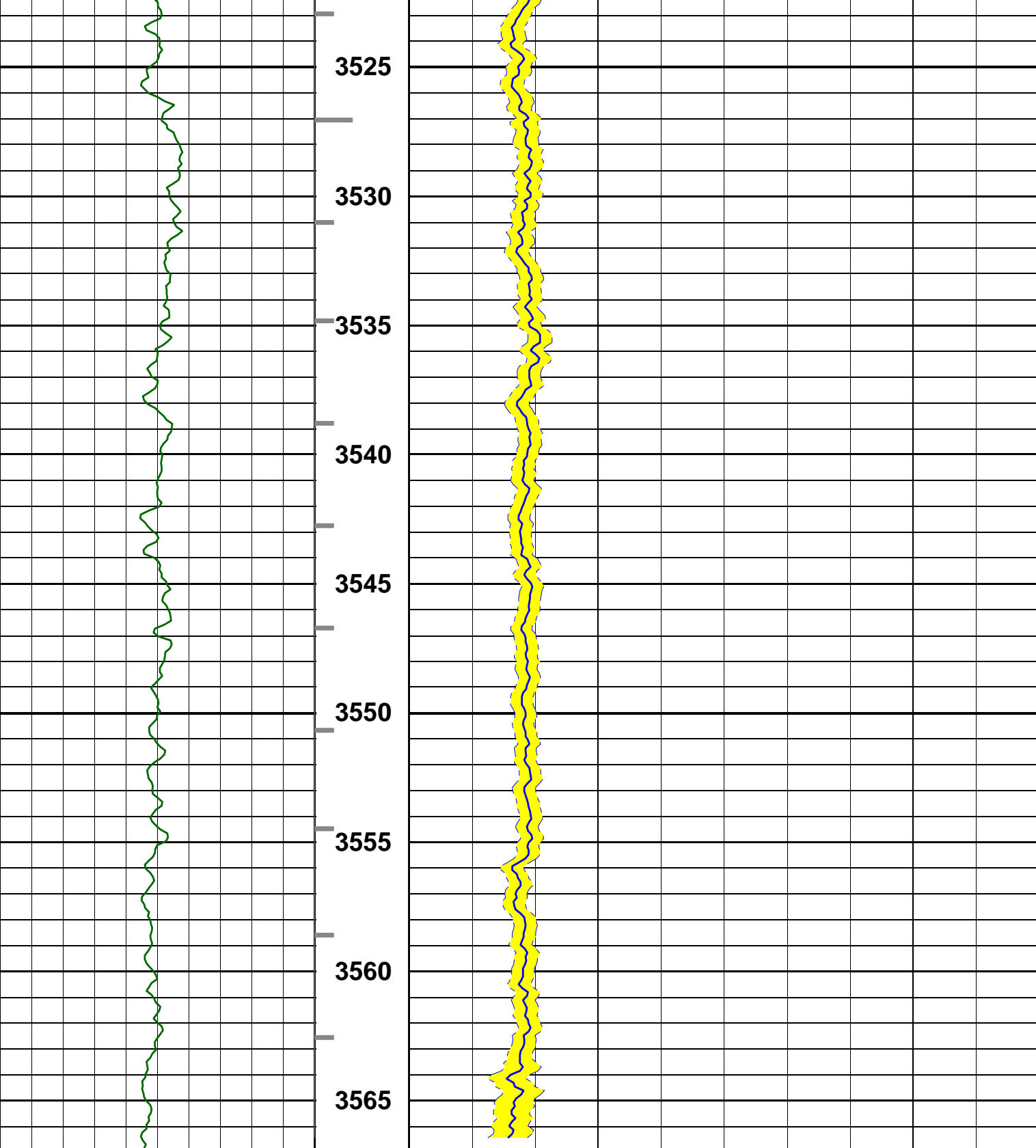












--- Finalization Result ---

1 MPS Compressional	Receiver	Absent levels=	25
1 MPS Compressional	Transmitter	Absent levels=	18
1 MPS Shear	Receiver	Absent levels=	5177
1 MPS Shear	Transmitter	Absent levels=	5173
1 MPS Compressional	DDBHC	Absent levels=	25 *Selected*
1 MPS Shear	DDBHC	Absent levels=	5197 *Selected*

Gamma Ray
0 (gAPI) 200

ITT

Compressional Delta-T (DTCO)
40 (us/ft) 240

PIPS
0 () 5

MD
1 : 200

1 : 200
m

Monopole Compressional Processing QC

WF VDL		
400	(us)	3378
TICS		
400	(us)	3378
TISS		
400	(us)	3378

SpcRC (Hz)	0	40000
SpcRS (Hz)	-20000	20000
CfRC (Hz)	0	40000
CfRS (Hz)	-20000	20000
STPrjR (us/ft)	39	240
DtRC (us/ft)	39	240
DtRS (us/ft)	39	240

TIVflag

MD
1 : 200
m

Gamma Ray
(gAPI)

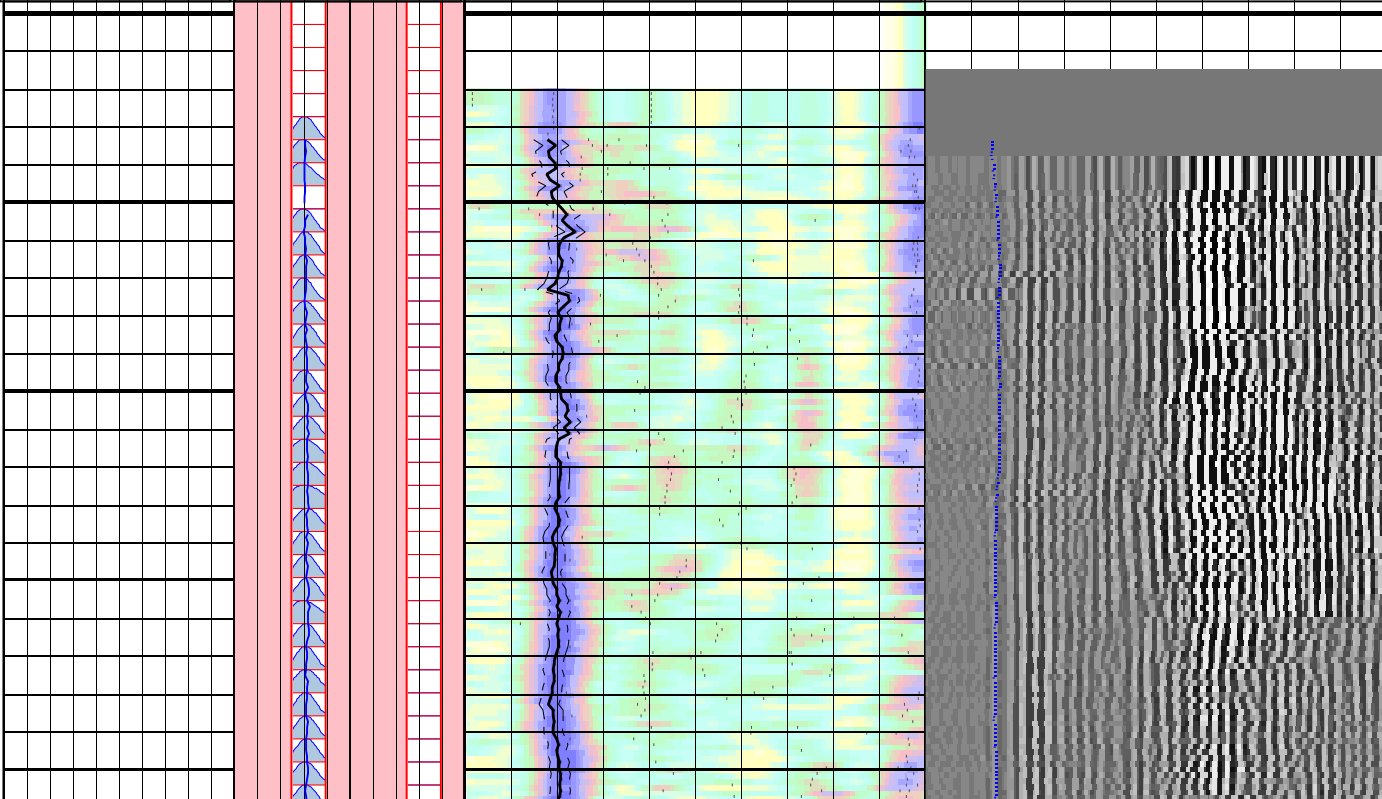
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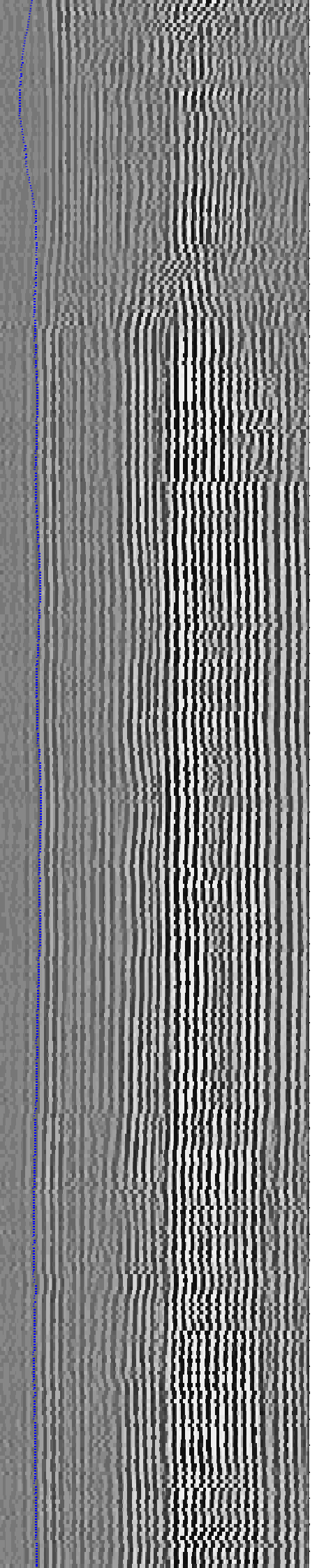
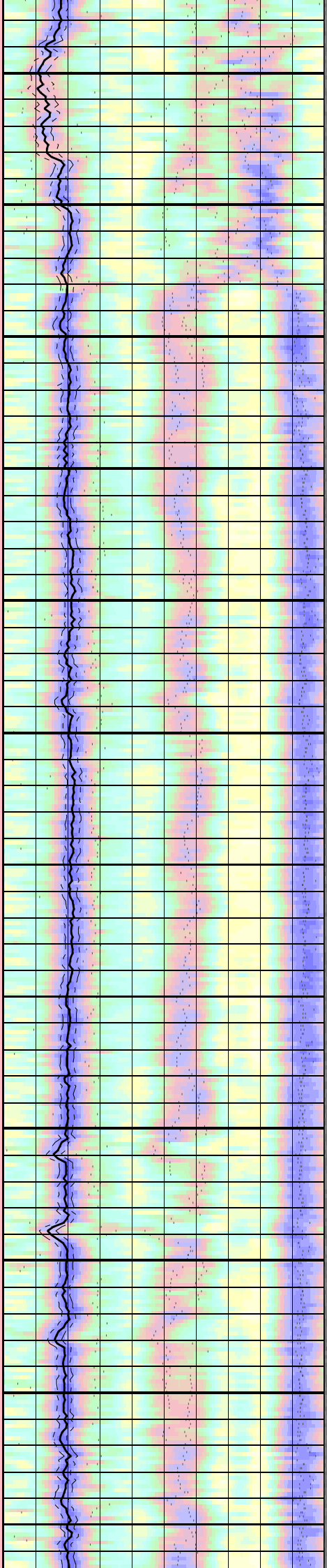
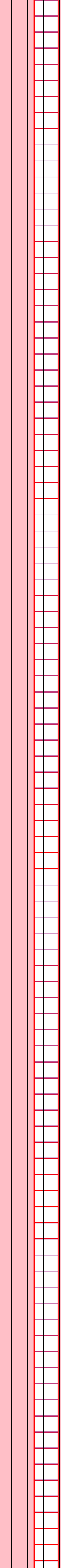
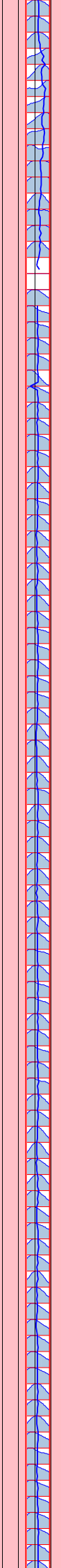
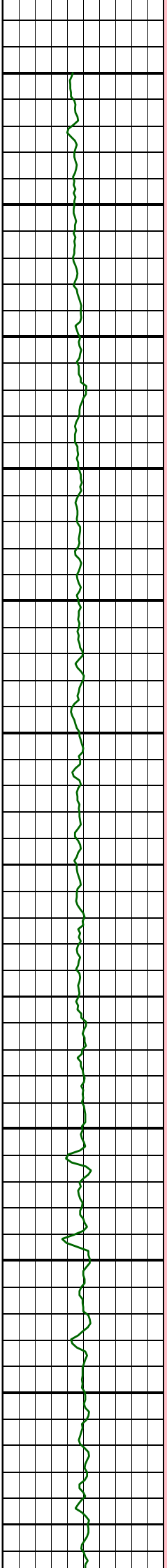
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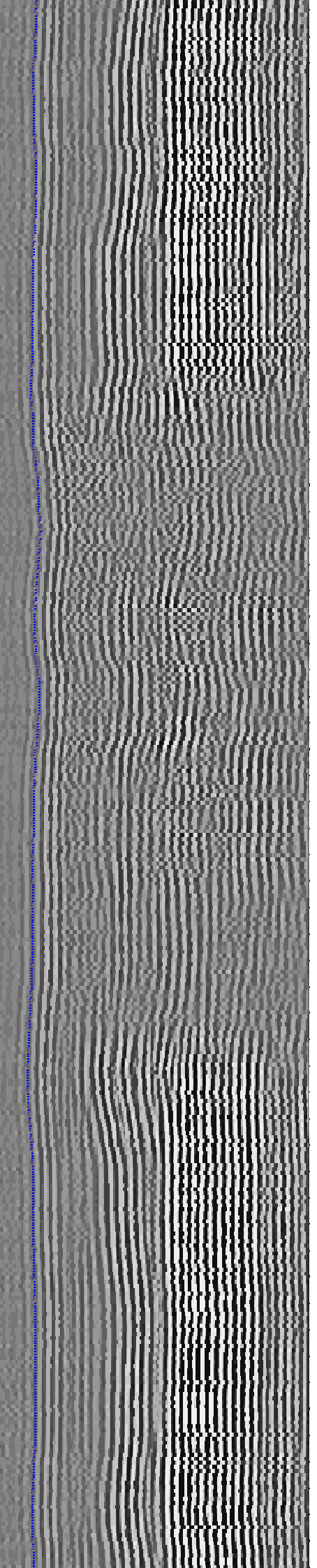
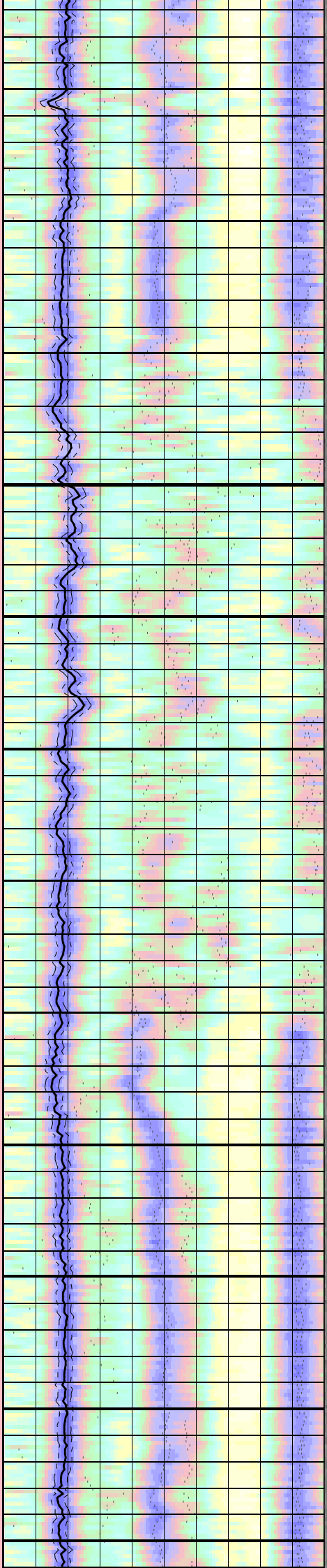
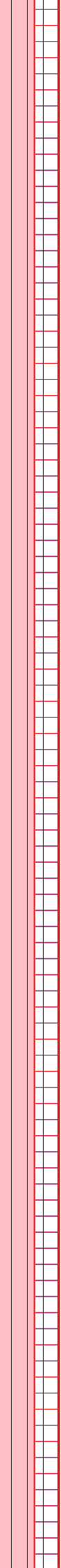
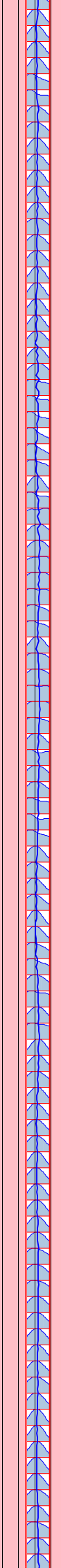
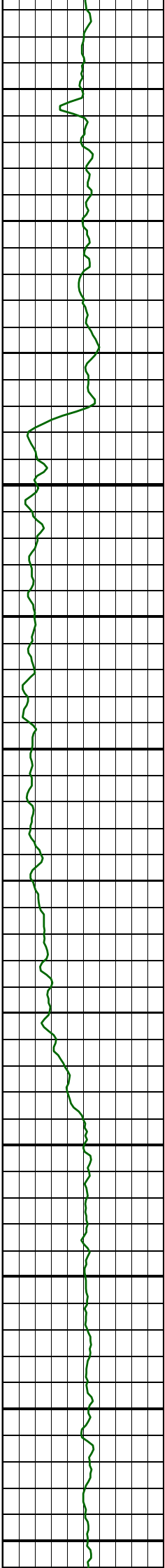
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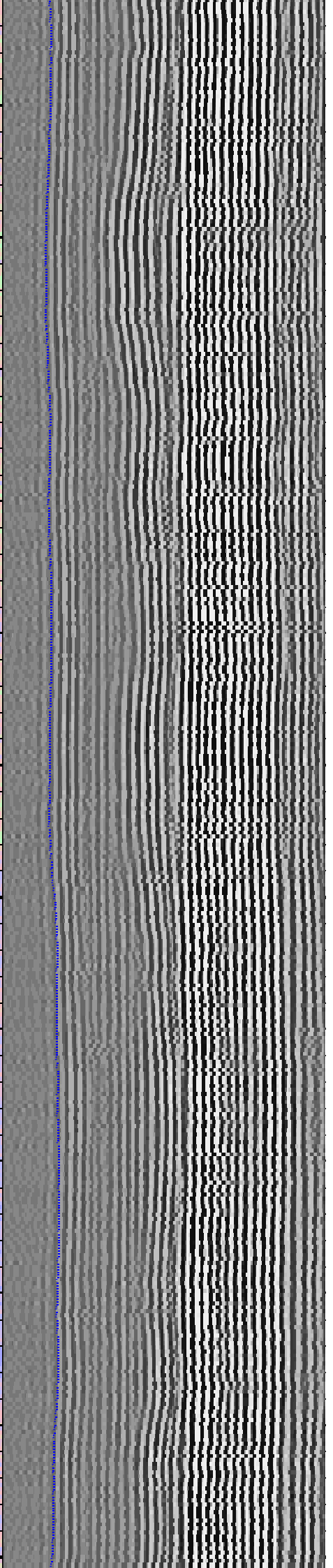
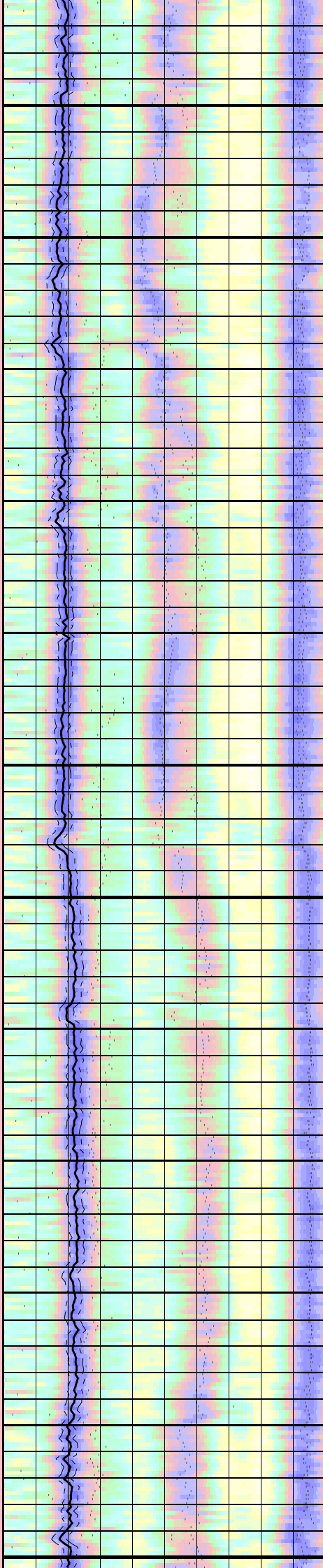
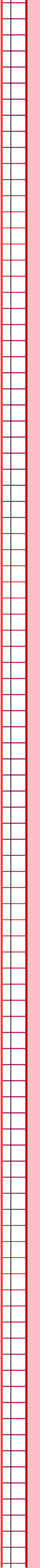
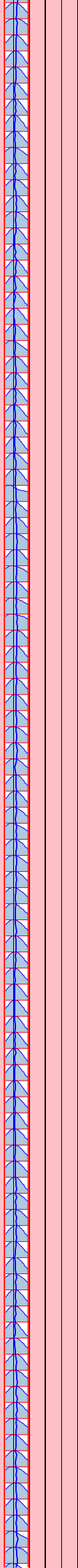
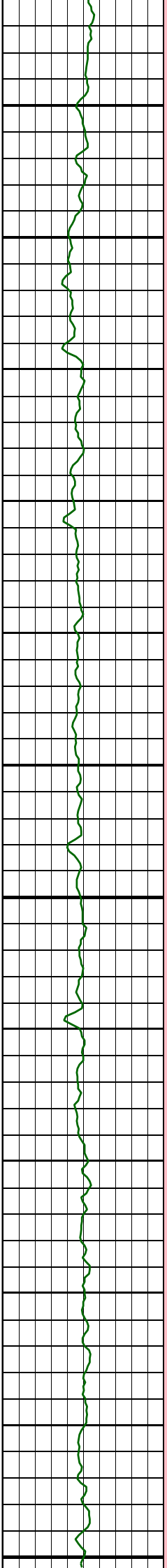
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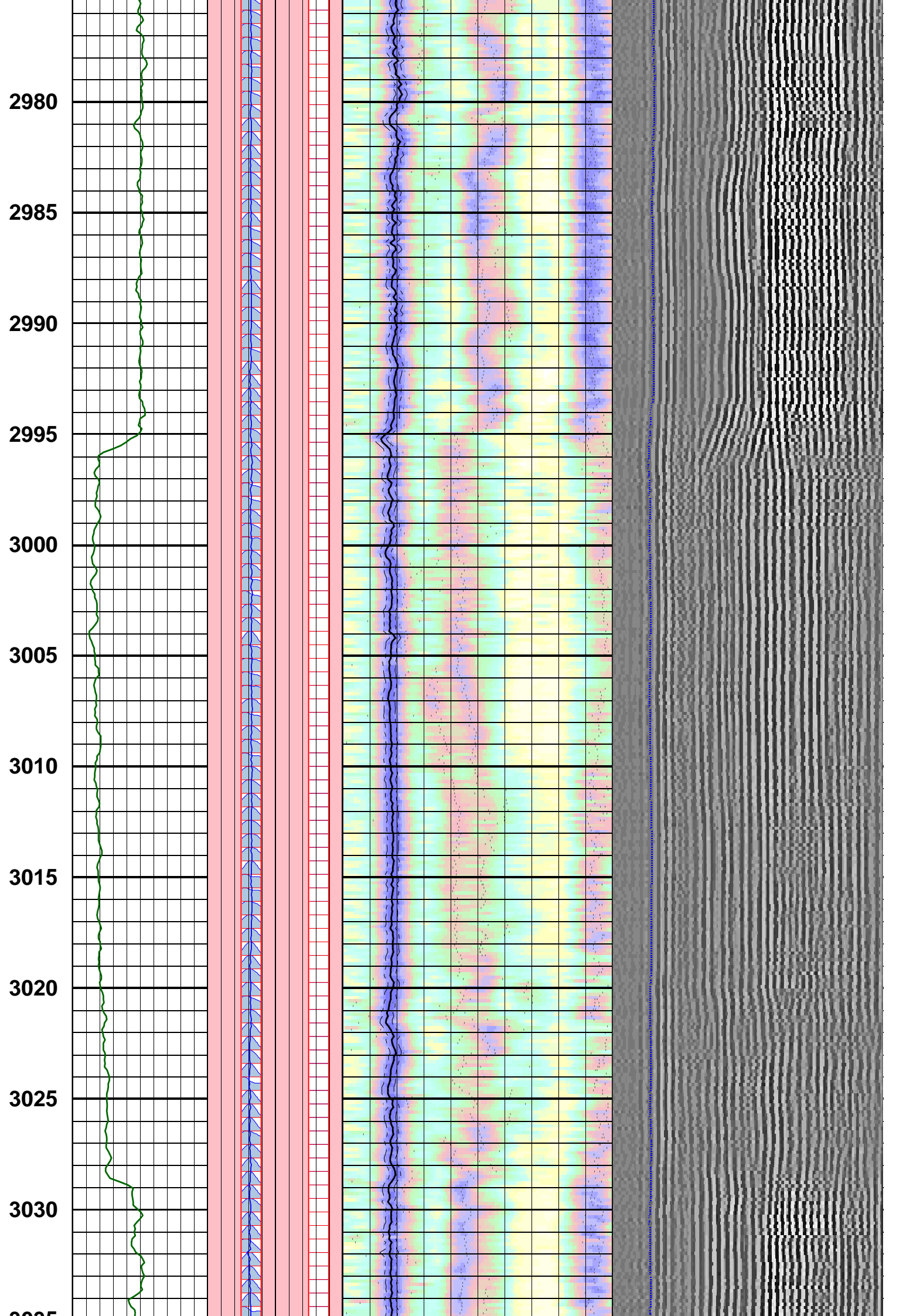


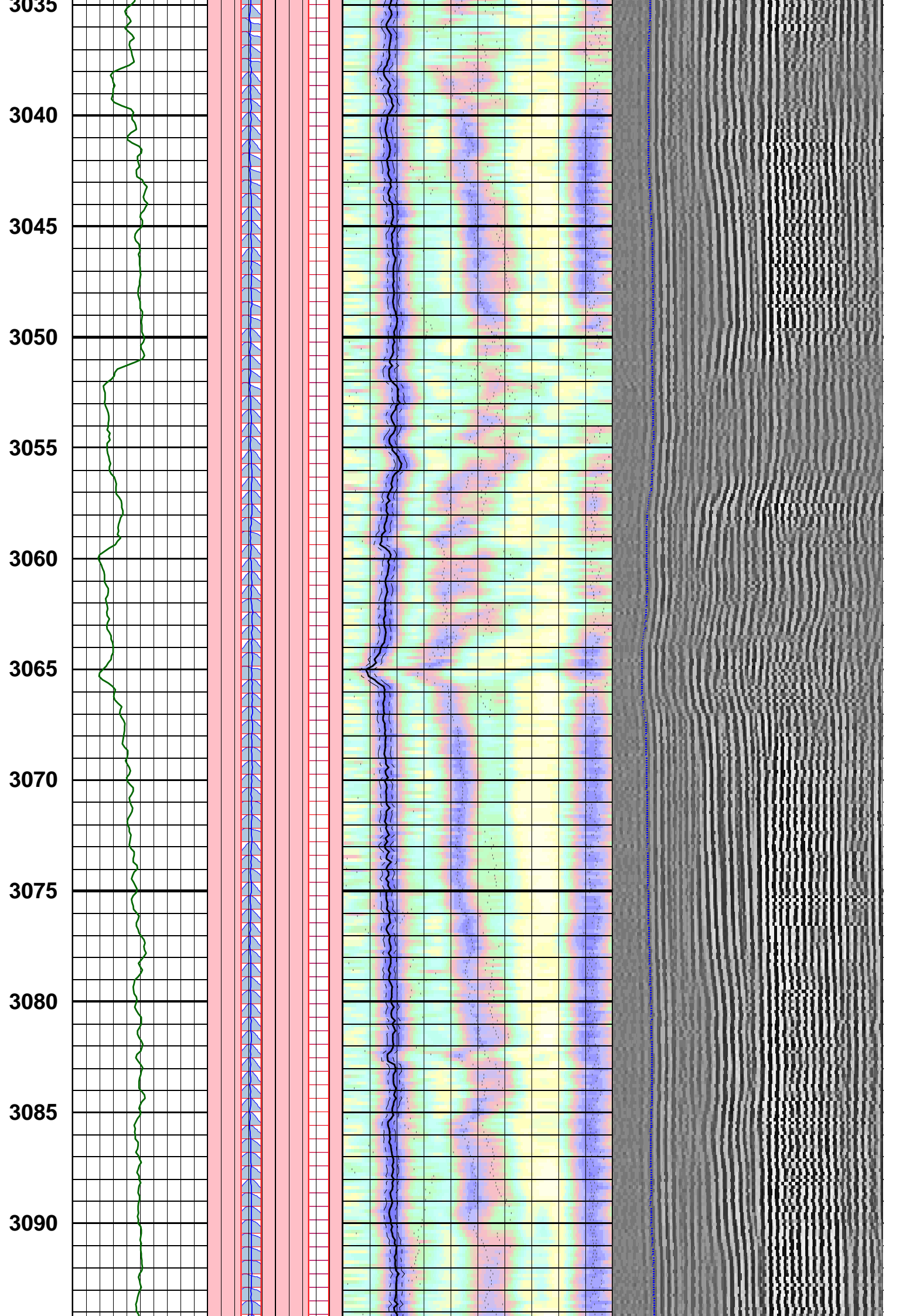
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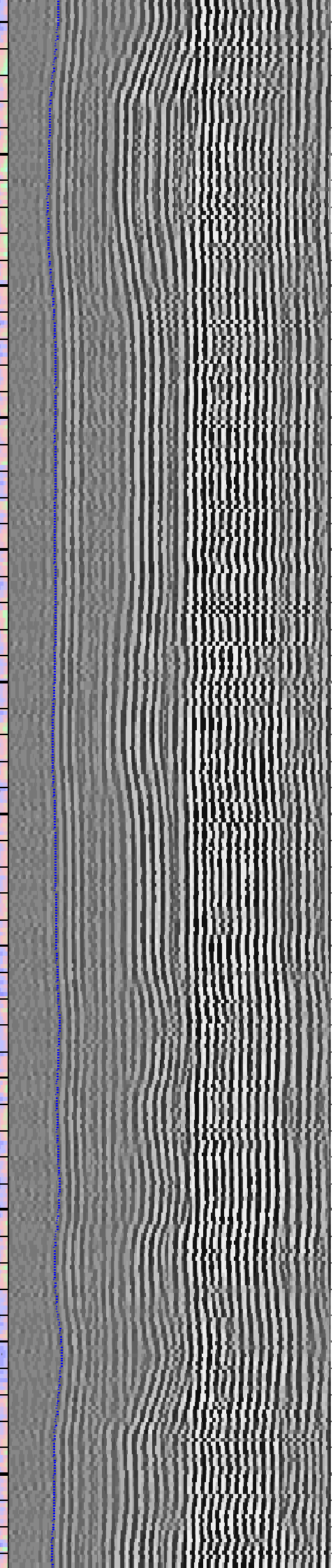
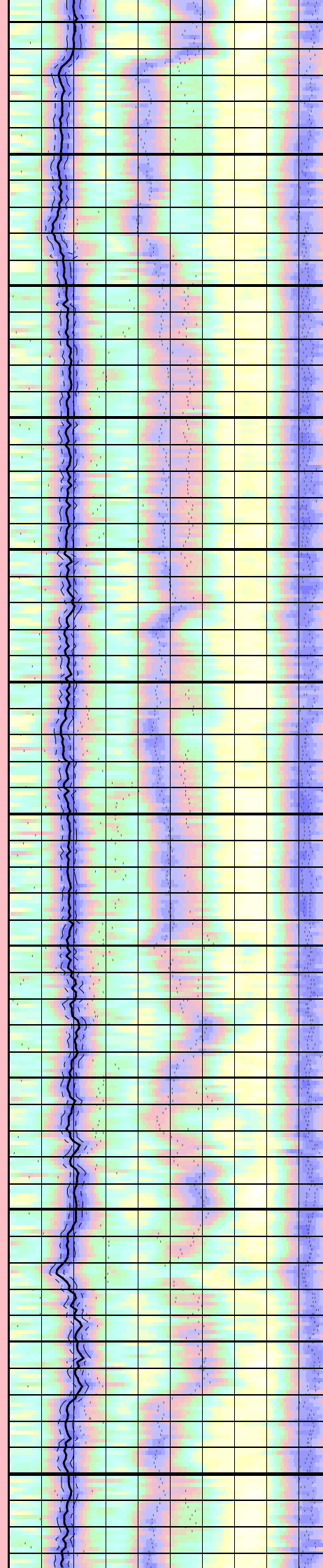
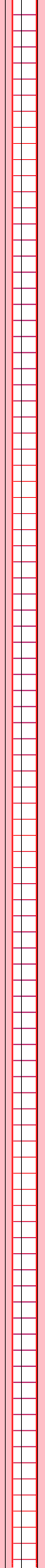
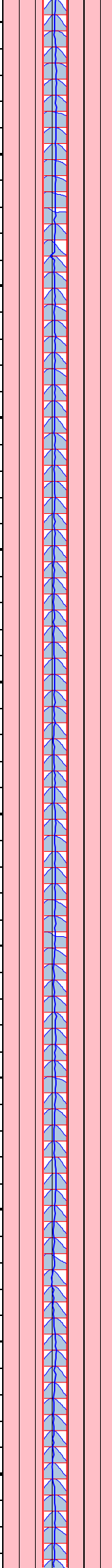
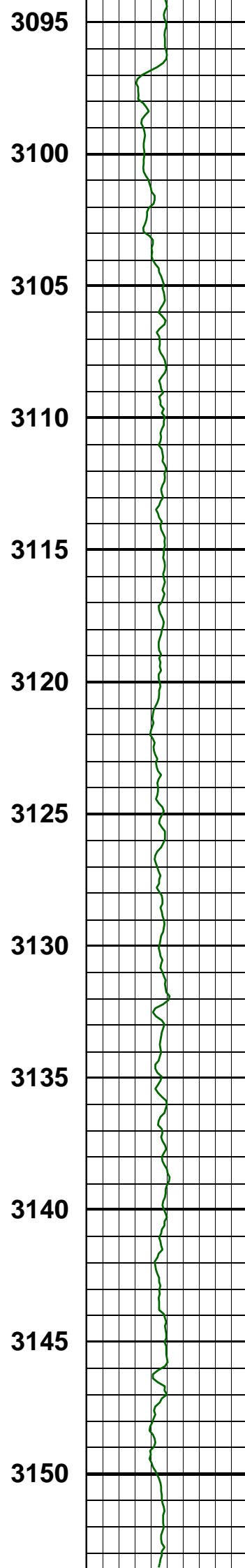


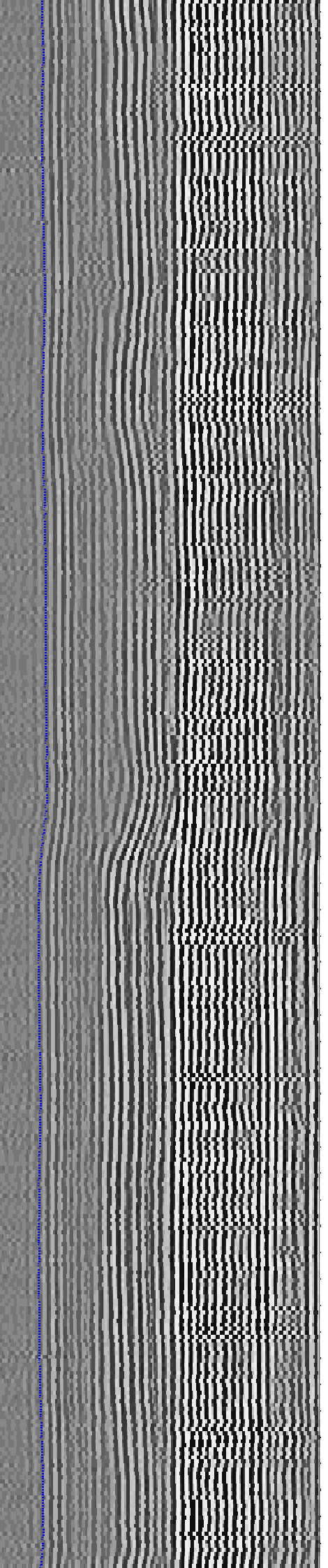
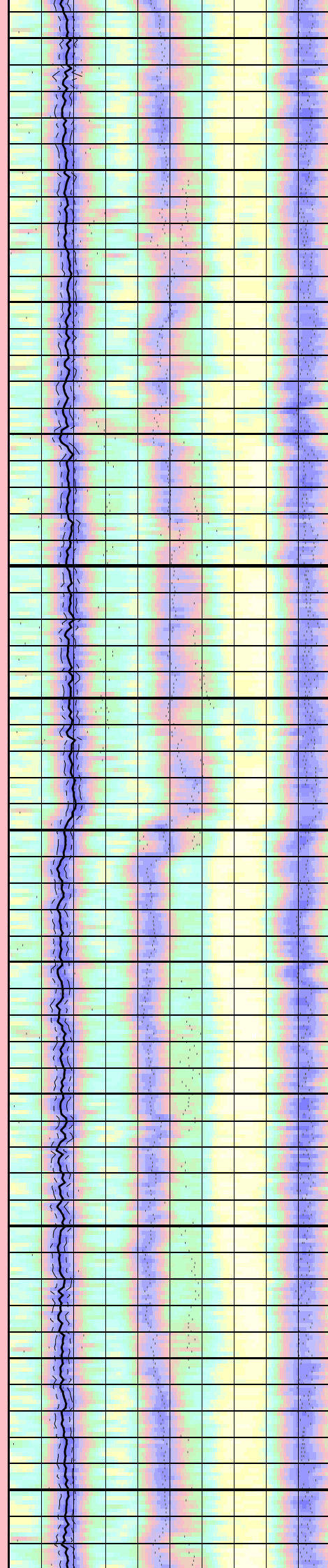
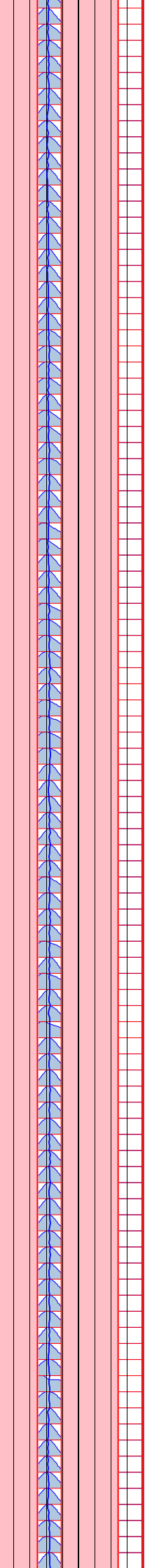
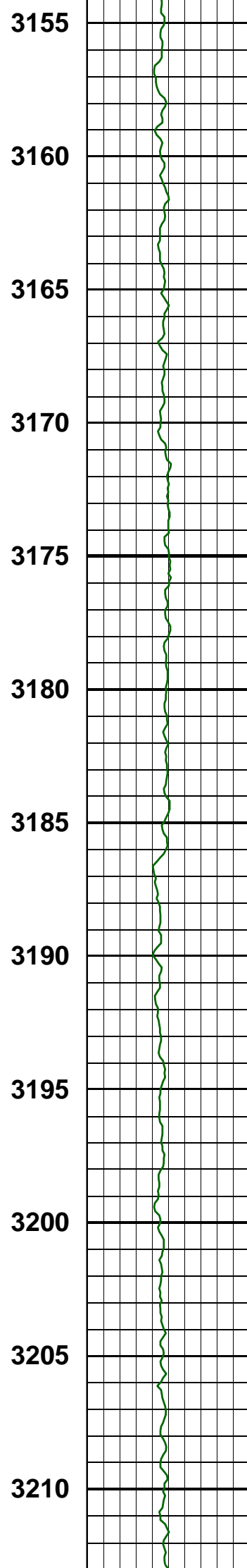
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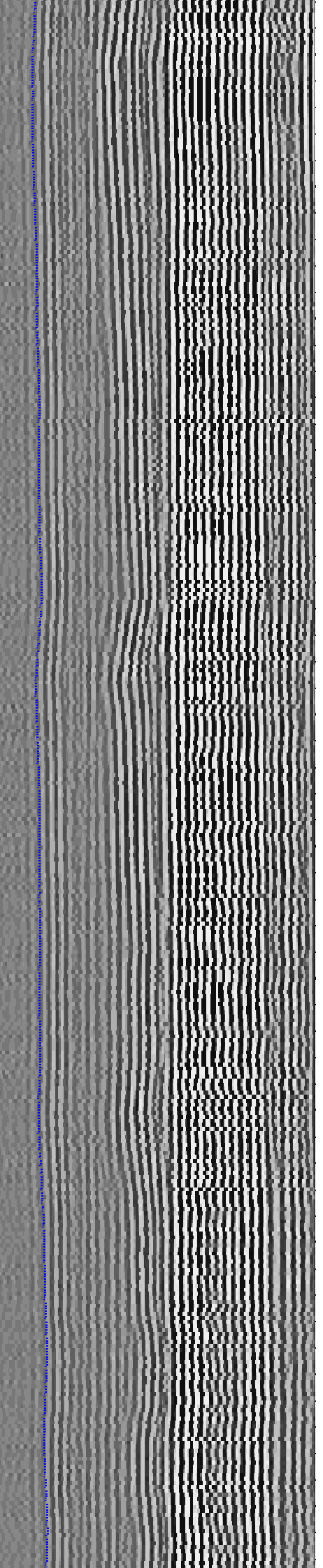
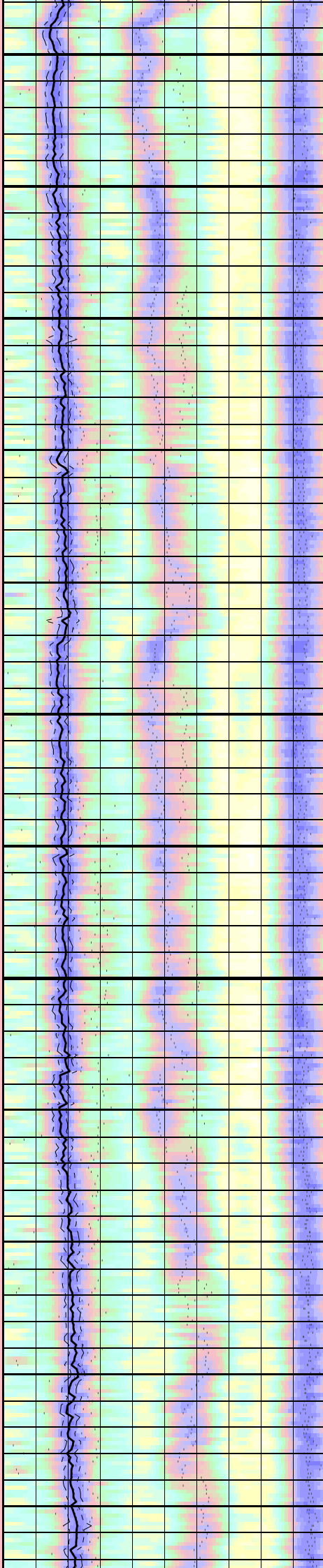
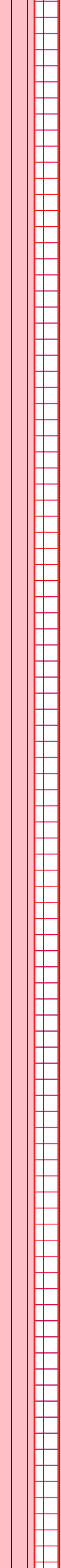
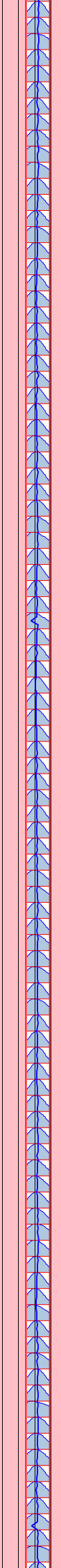
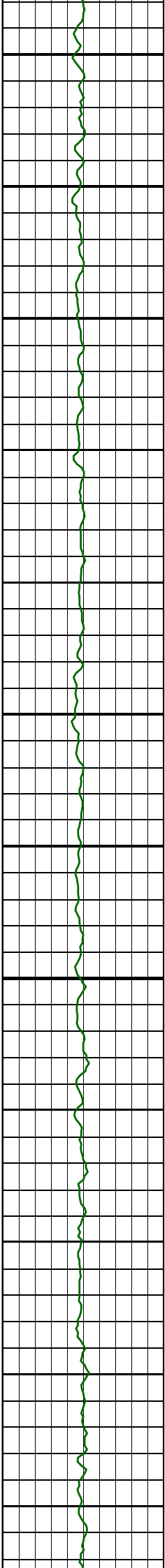




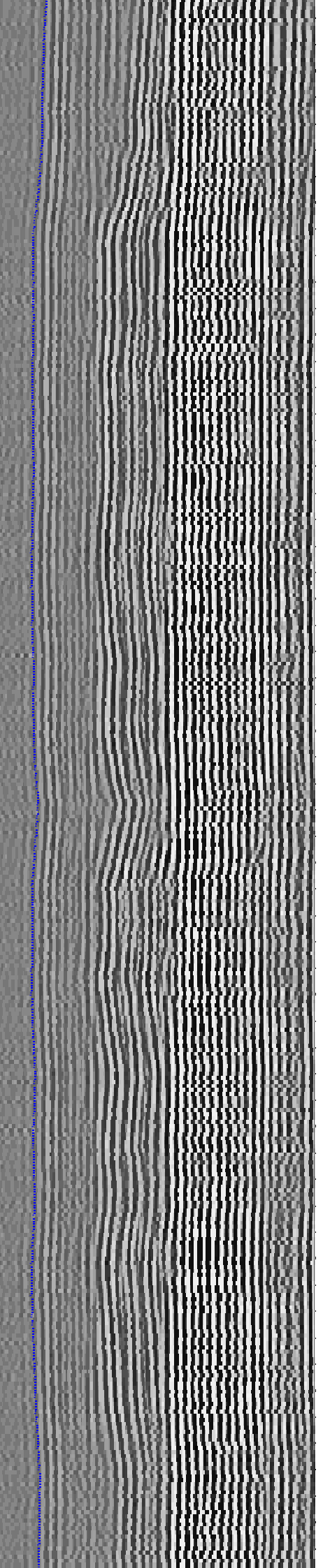
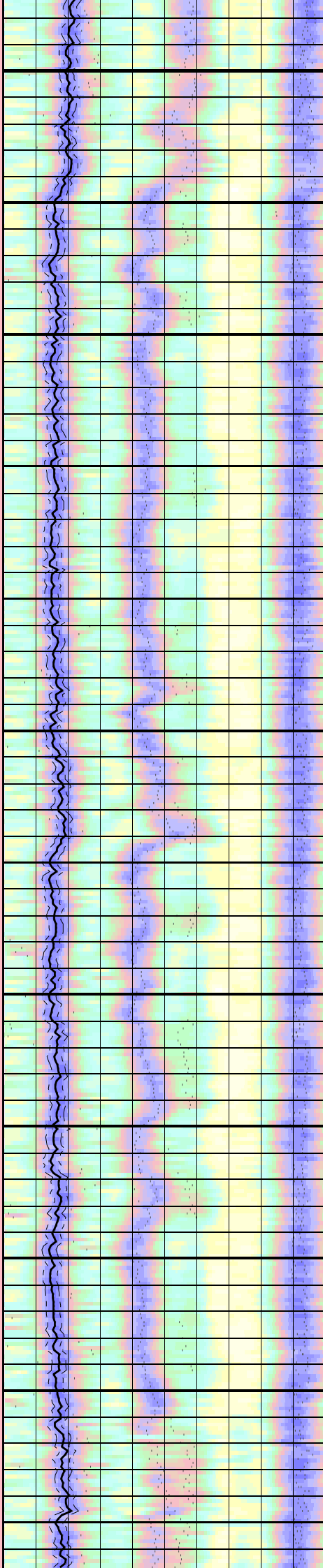
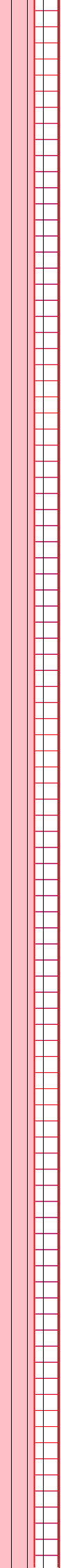
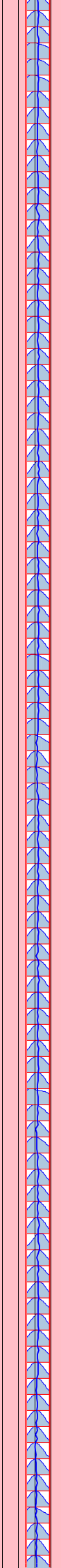
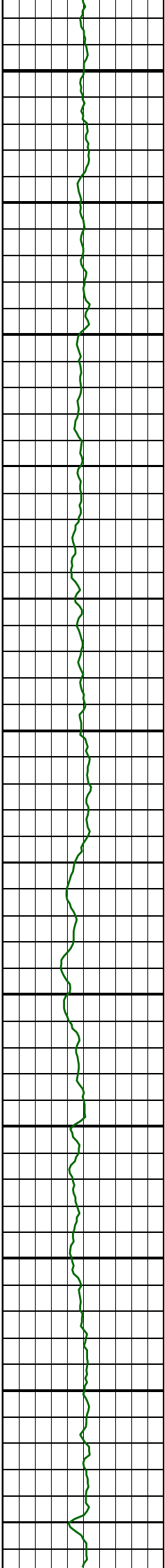




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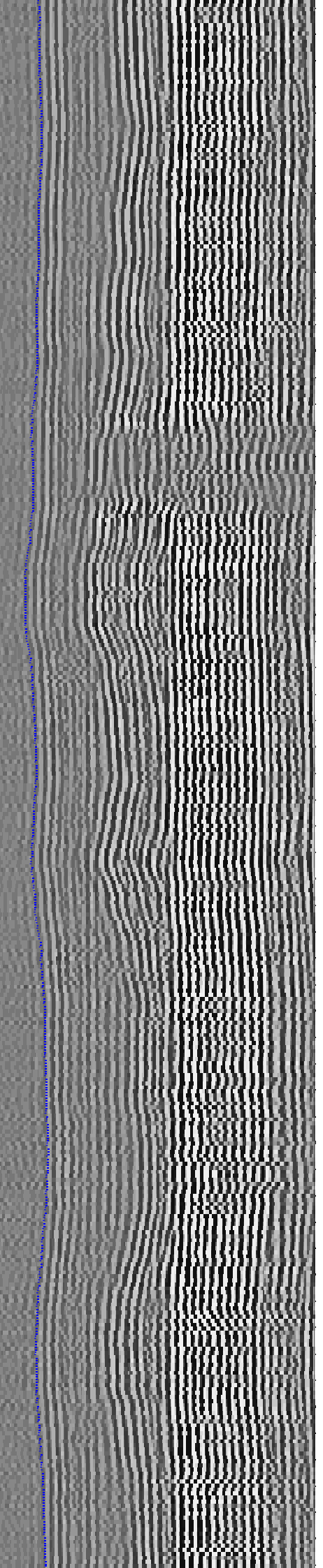
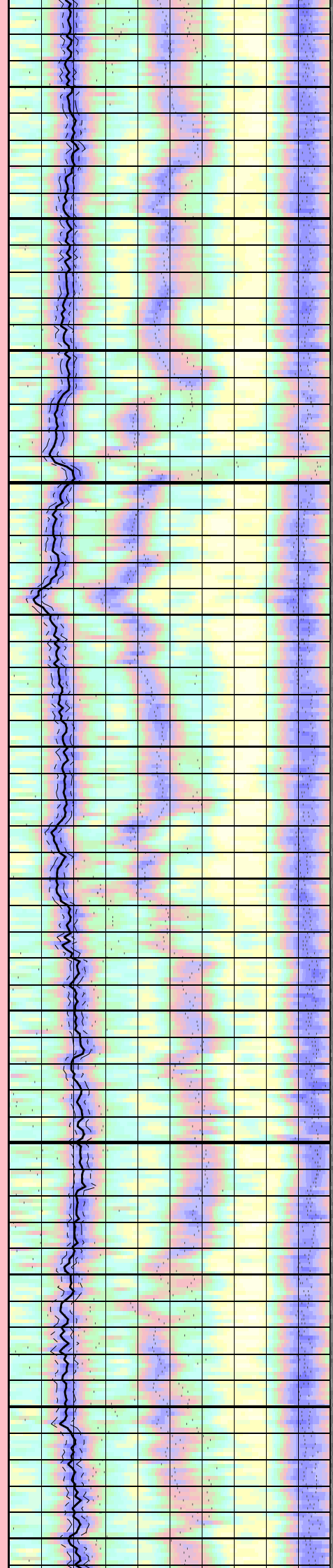
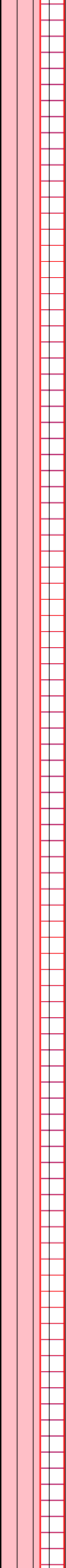
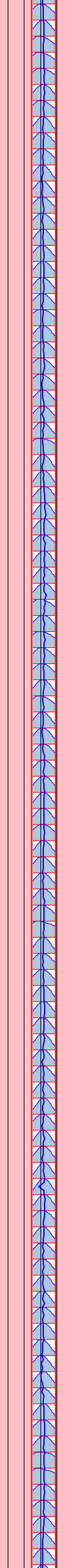
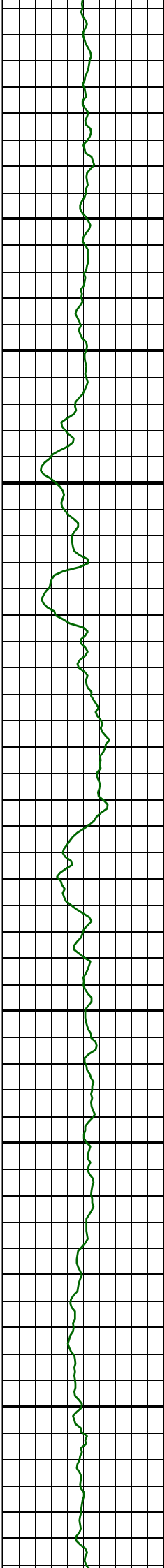


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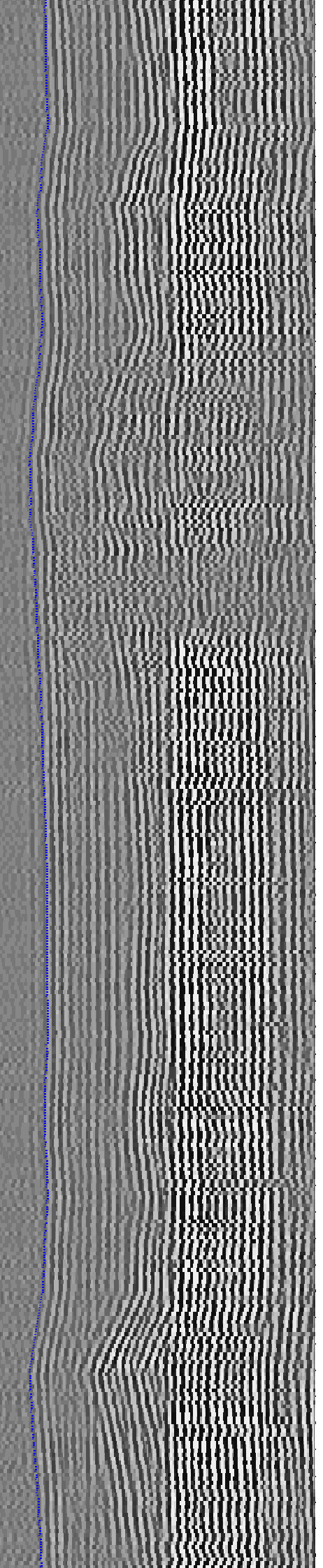
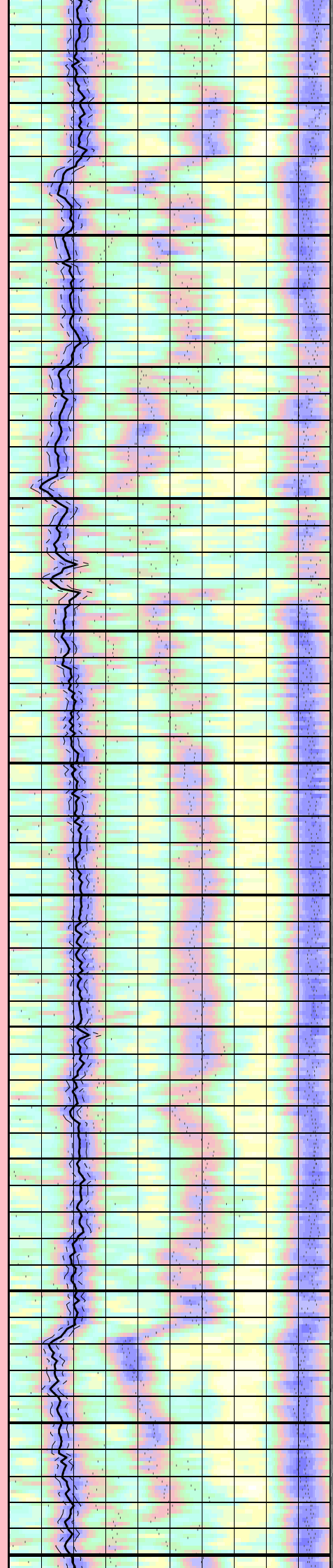
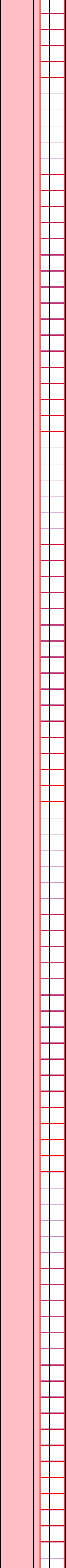
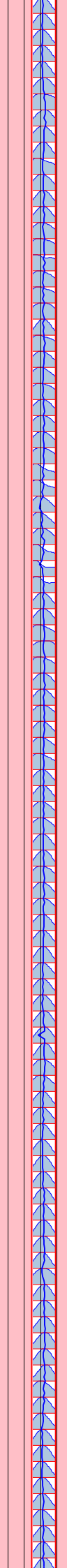
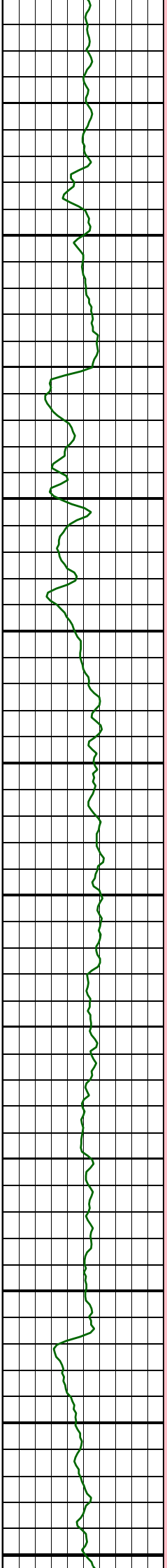


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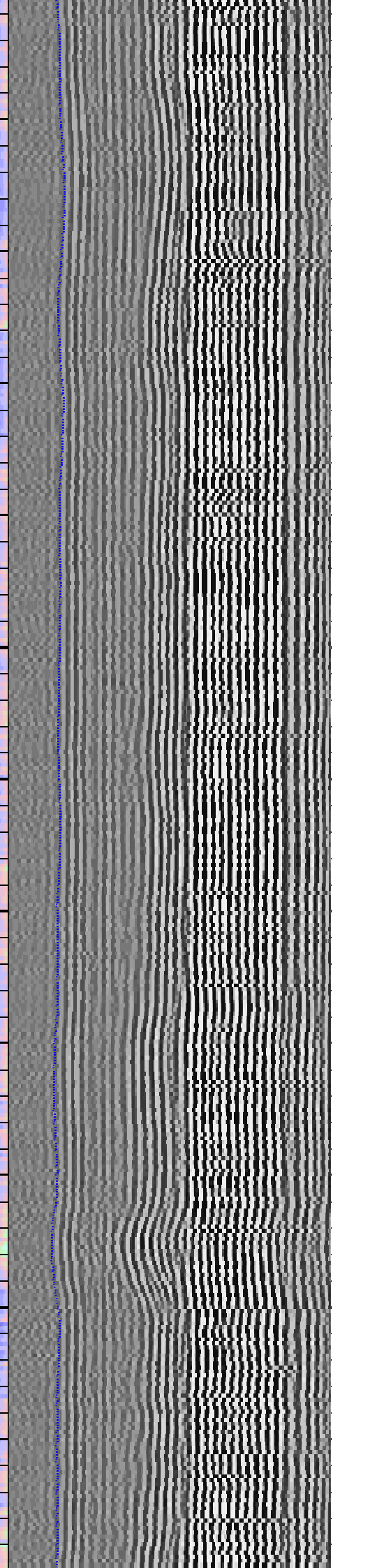
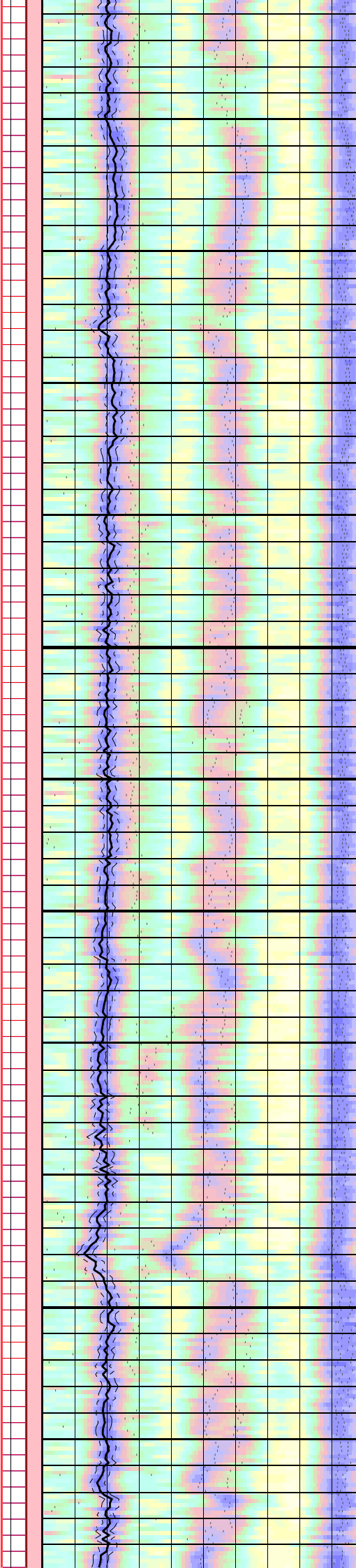
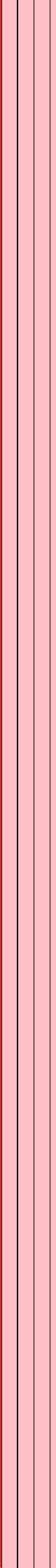
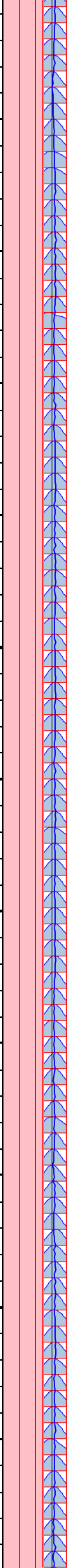
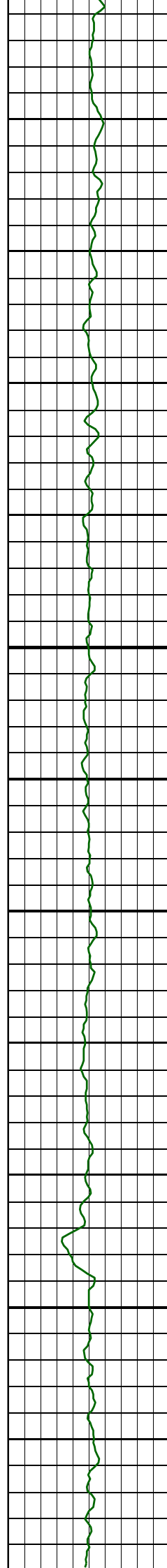
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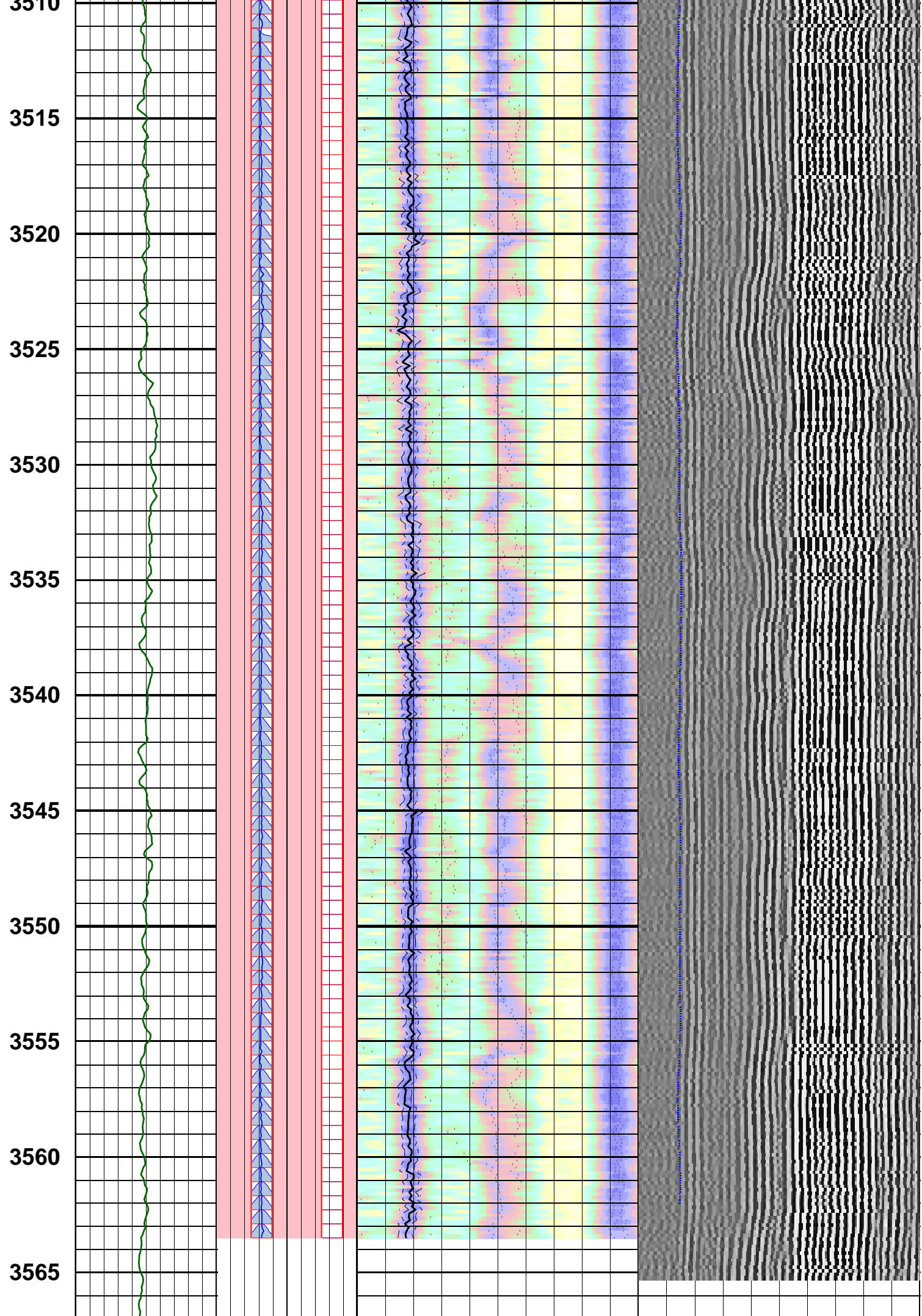


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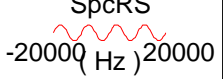
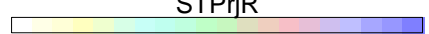
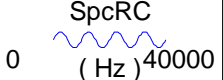



Customized Process: Start Depth (3566.52 m), Stop Depth (2774.7 m), Logging Mode (sonicVISION - MPS_WIDE)
 Noise Cut Filtering(No), Casing Cut Filtering(No)
 WF_FLOW(1.1.1), MUD_TYPE(WBM), STCAI(Full Area)

WF_FLG(1 1 1 1), MOD_TYPE(WBM), STCAL(Full Array)
 TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)
 Mud Slowness (no input)
 Hole Diameter (no input)
 Zoning Guide (DTBC@ARC5_MWD_LWD_071SDP;1 (2774.59 - 3563.57 m))
 Tracking Guide (no input)

--- Zone Top Depth (0), Zone Name (Zone1) ---

SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix*), HD(8.5), DTMUD(200)
 TWI(238.281), SLL(39.7135), SUL(240.267), SST(1.98568), TLL(400), TUL(3219.66), TST(39.7135)
 SBW(1120), SBO(160), SWD(20), TWD(840), SEM(0.45), FLENG(63), FLOW(10000), FHIGH(16000)
 TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

MD 1 : 200 m	Gamma Ray	CfRS	DtRS	
	0 (gAPI) 200	-20000 (Hz) 20000	39 (us/ft) 240	
	TIVflag	CfRC	DtRC	
		0 (Hz) 40000	39 (us/ft) 240	
	SpcRS 	STPrjR 	TISS	
	-20000 (Hz) 20000	39 (us/ft) 240	400 (us) 3378	
	SpcRC 		TICS	
	0 (Hz) 40000		400 (us) 3378	
			WF VDL 	
			400 (us) 3378	

Company: Beach Petroleum Ltd
 Well: Fermat-1
 FIELD: Fermat
 Rig: West Triton
 STATE: VIC

