



GEOFRAME
PROCESSED
INTERPRETATION

BestDT*
sonicVision Processing

2360m – 2555m (1.200)

* A Mark of Schlumberger

Using the following logs: sonicVision

COMPANY:	Esso Australia Pty. Ltd.
WELL:	CBA A33
FIELD:	Halibut
Rig Label:	ISDL 175
STATE:	Victoria
COUNTRY:	Australia
Date Logged:	24-Jun-2009
Well Location:	Cobia Platform
	Bass Strait
	Date Processed: 26-Jun-2009

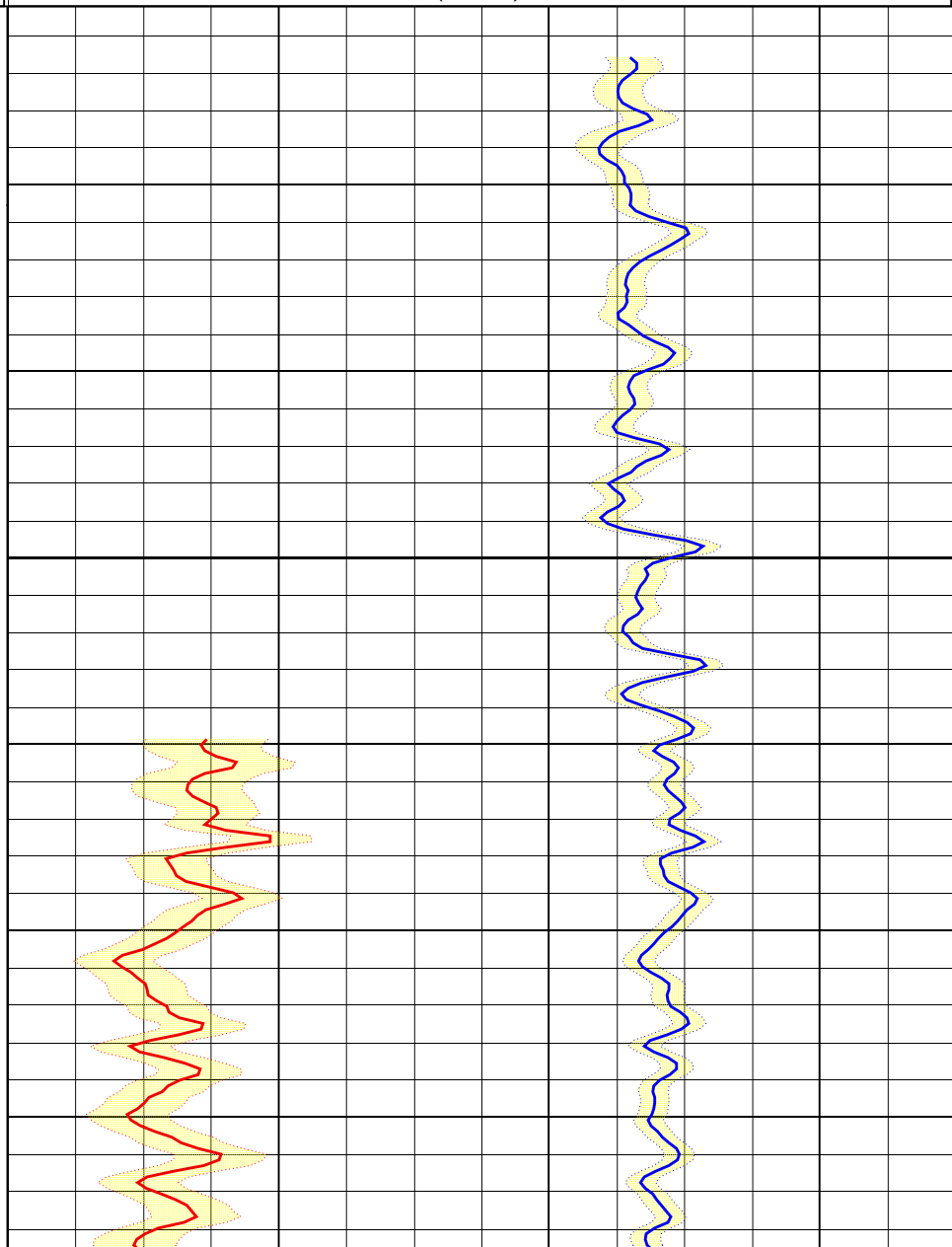
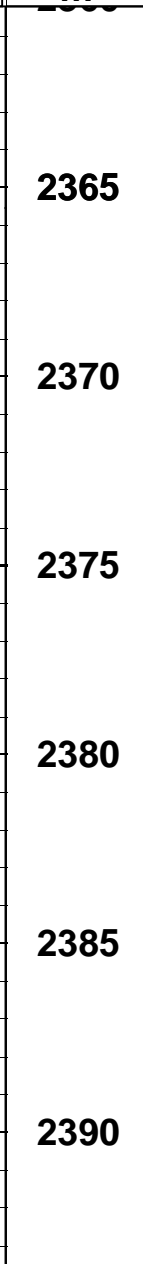
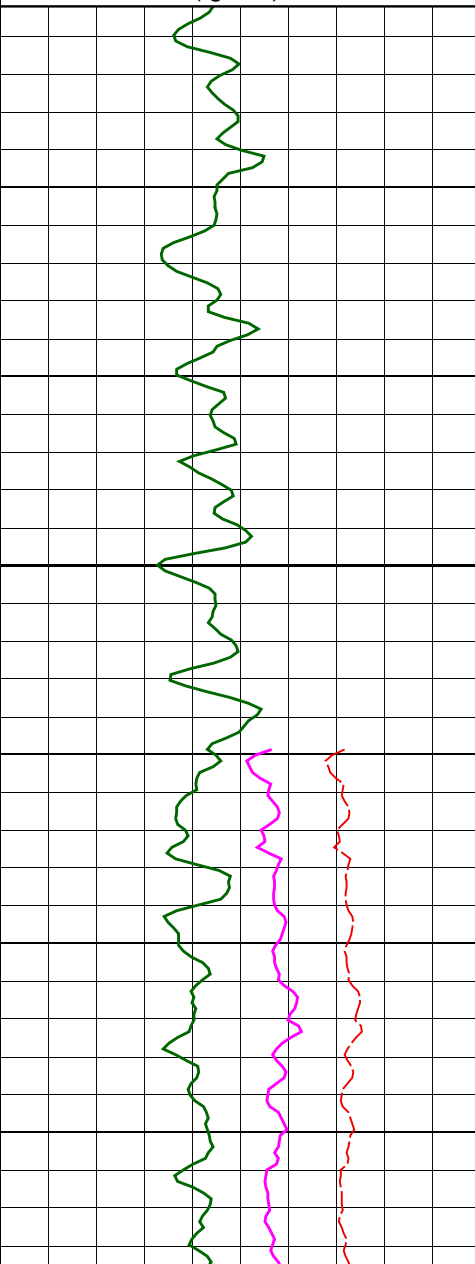
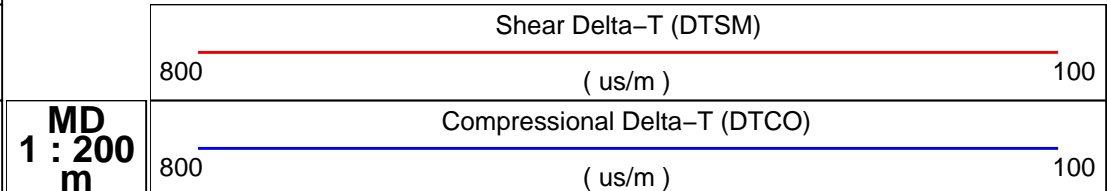
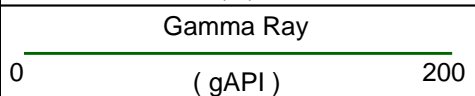
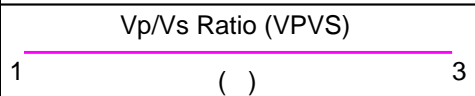
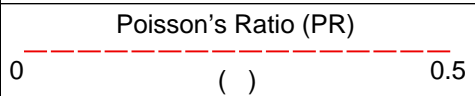
FOLD HERE The well name, location and borehole reference data were furnished by the customer.

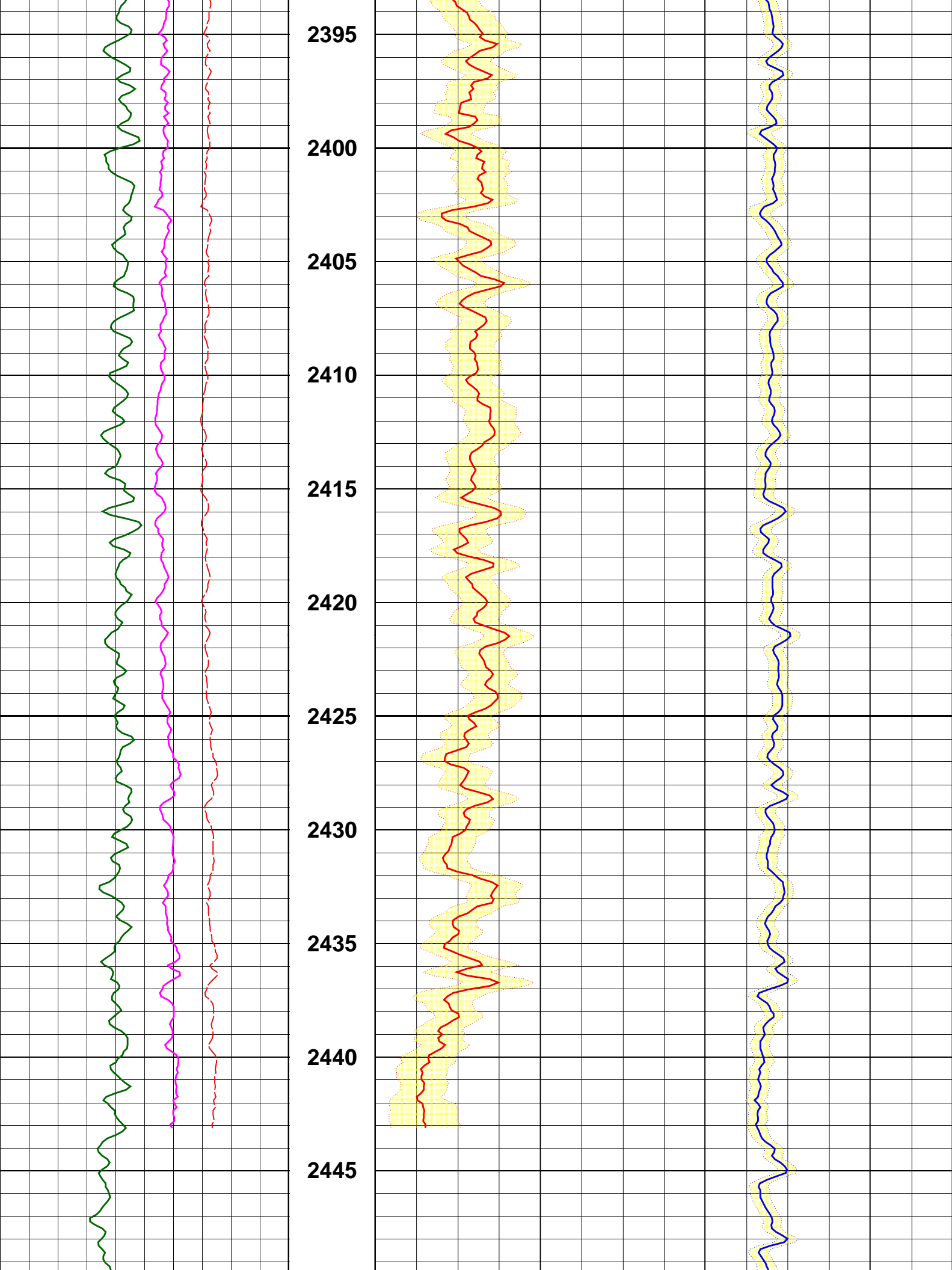
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

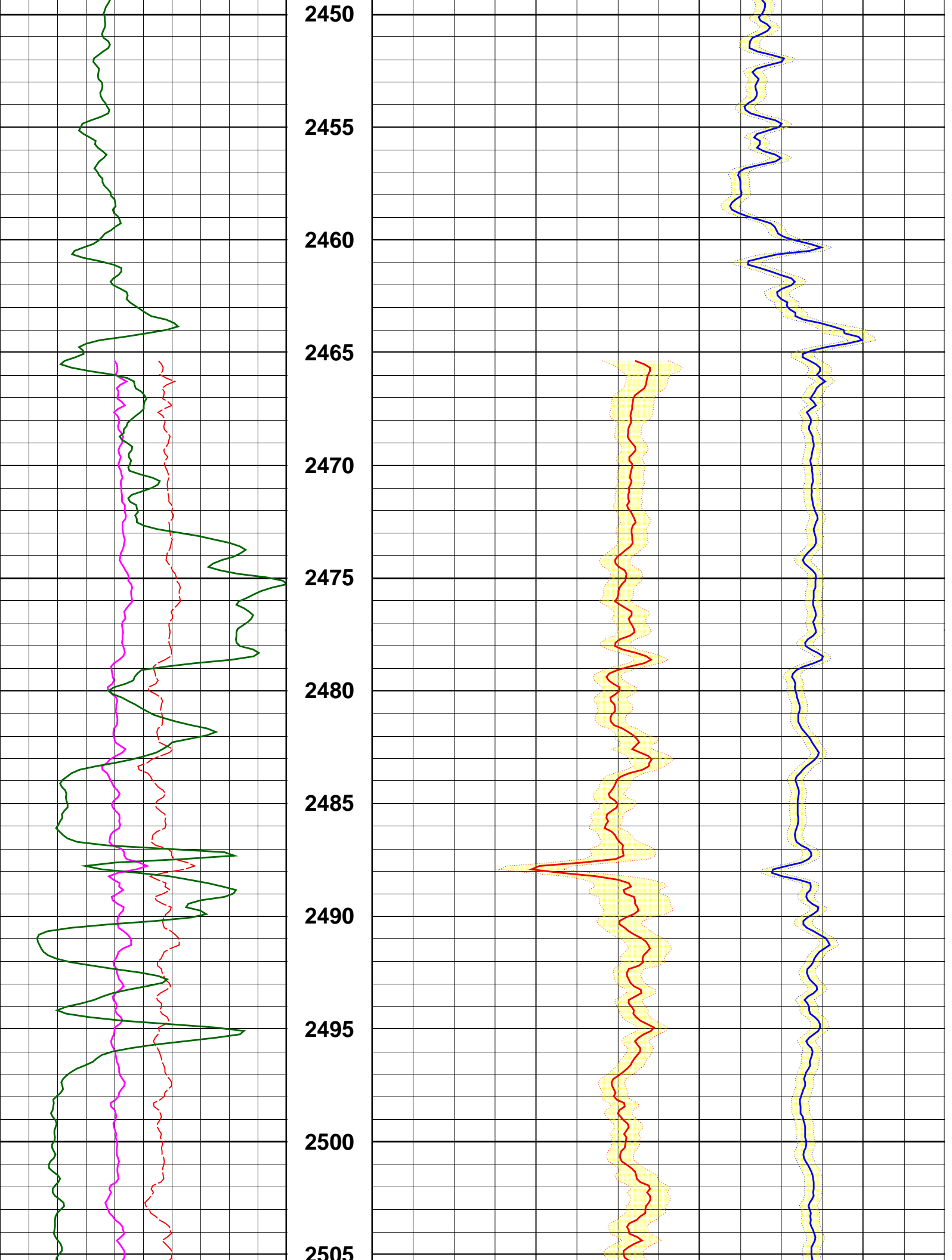
Field Recording:	Location: Cobia Platform	Software Version: 14C0-108	Engineer: M. Amarasena, B. Low
Office Recording:	ICS Center: Melbourne	Baseline: GF 44 DC4	Log Analyst: A. Datey
Mud and Borehole Measurements:			
Rm @ Measured Temperature:	@	BHT:	Bitsize: 9.875in
Rmf @ Measured Temperature:	@	Type Fluid in Hole:	Accolade SBM
Rmc @ Measured Temperature:	@	Mud Density: 1.39598g/cm3	

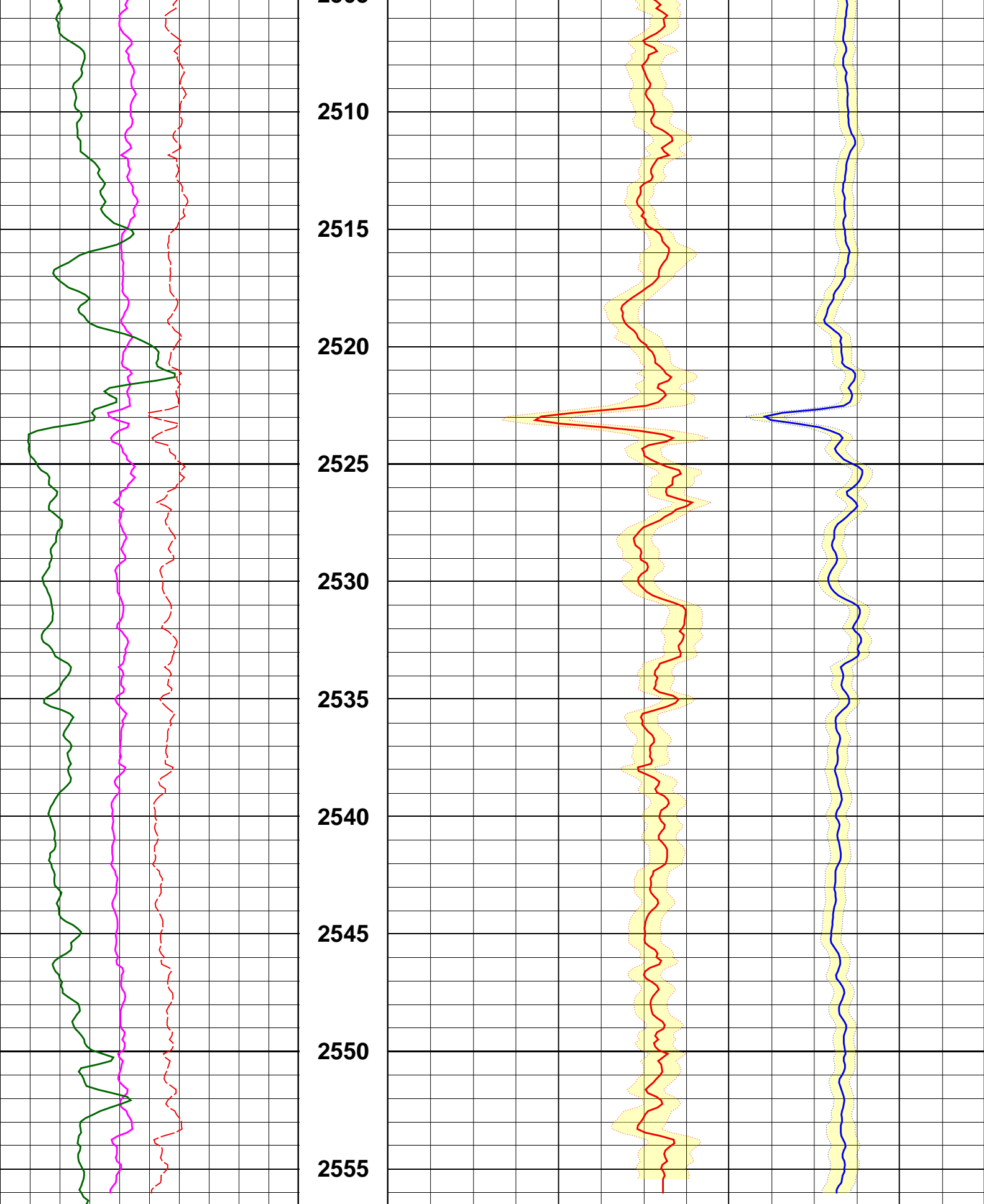
Remarks:

sonicVision6 run in hole drilled with 9 7/8" hole.
See bottom of the QC log for logging parameters.





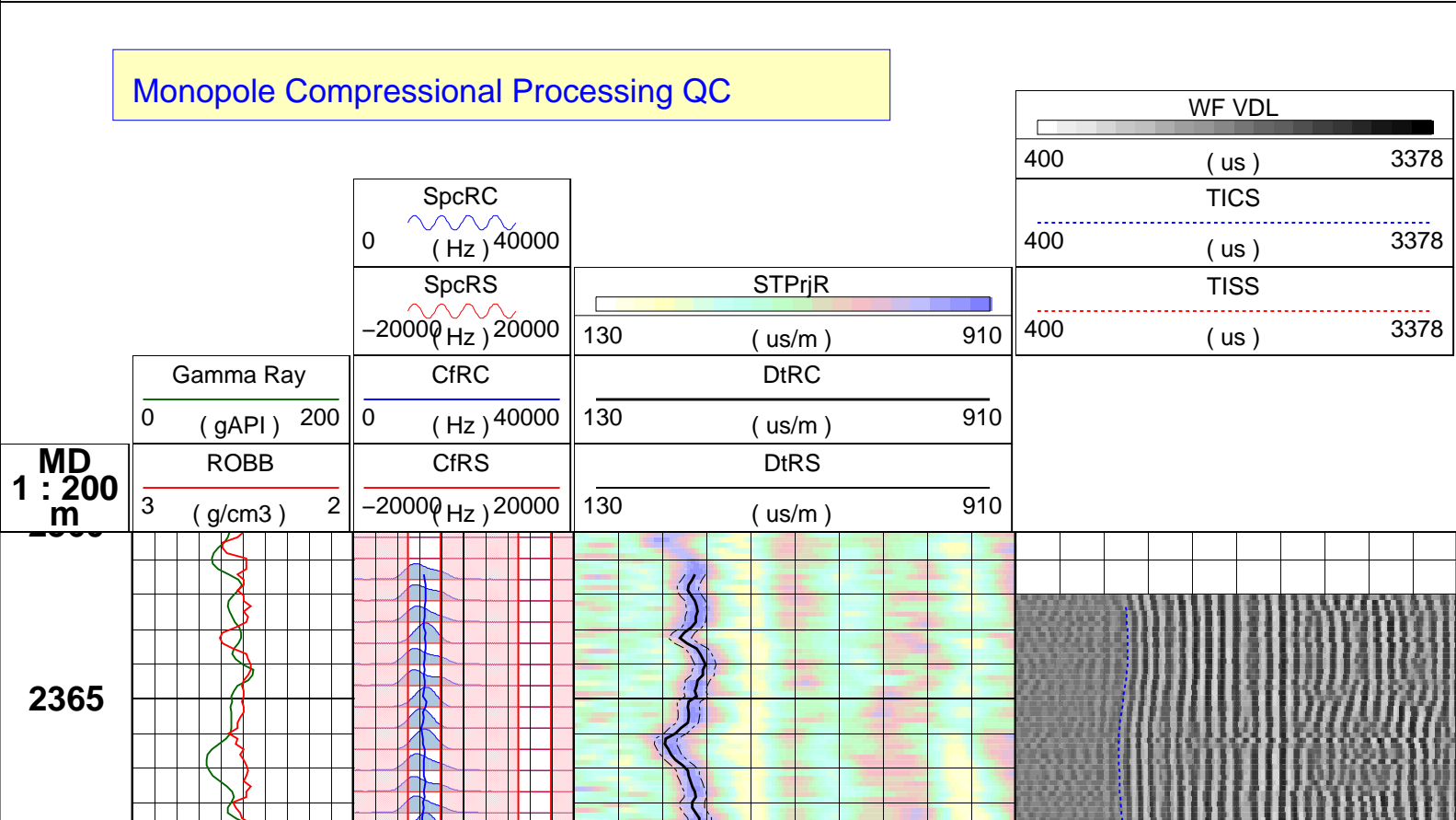
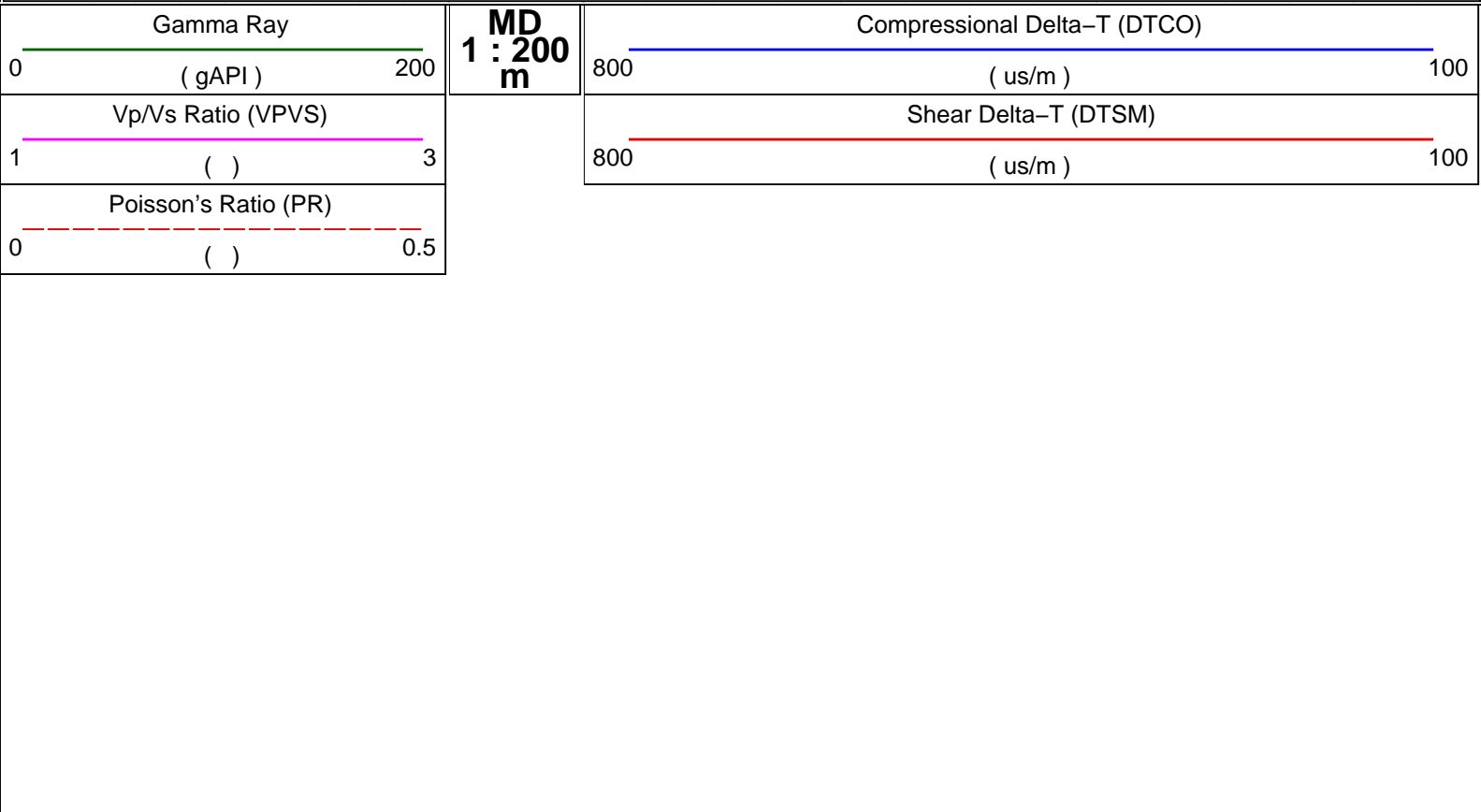


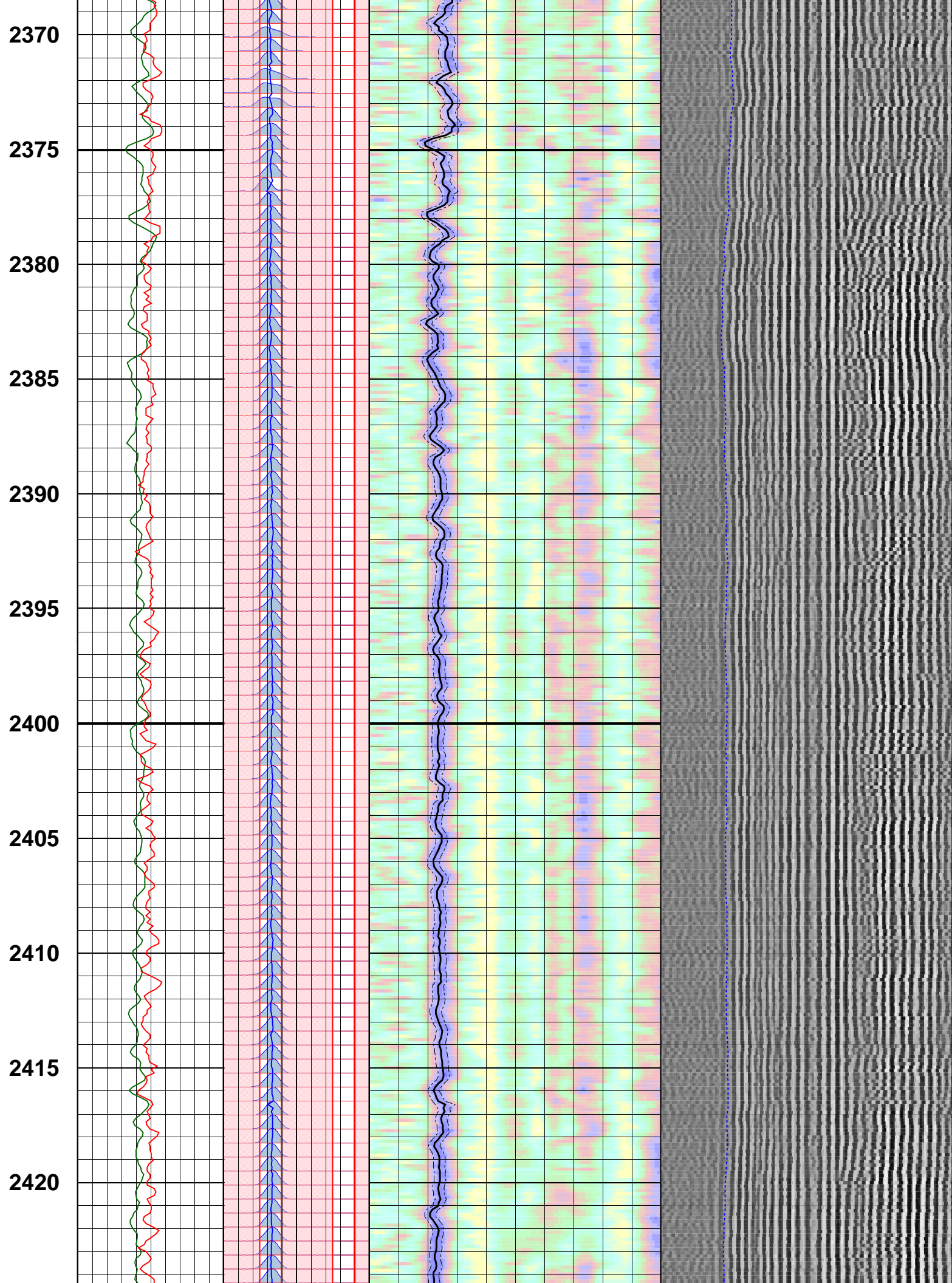


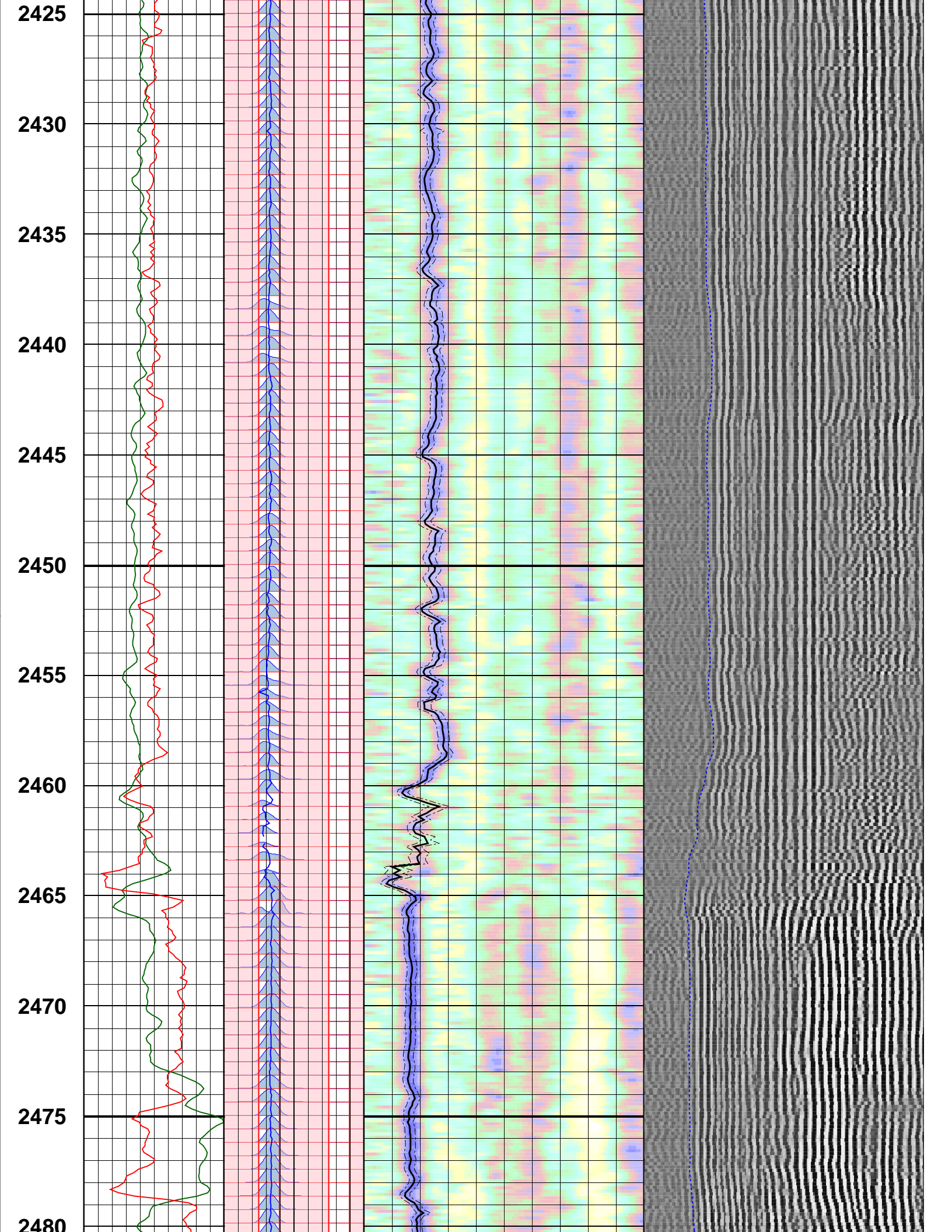
--- Finalization Result ---

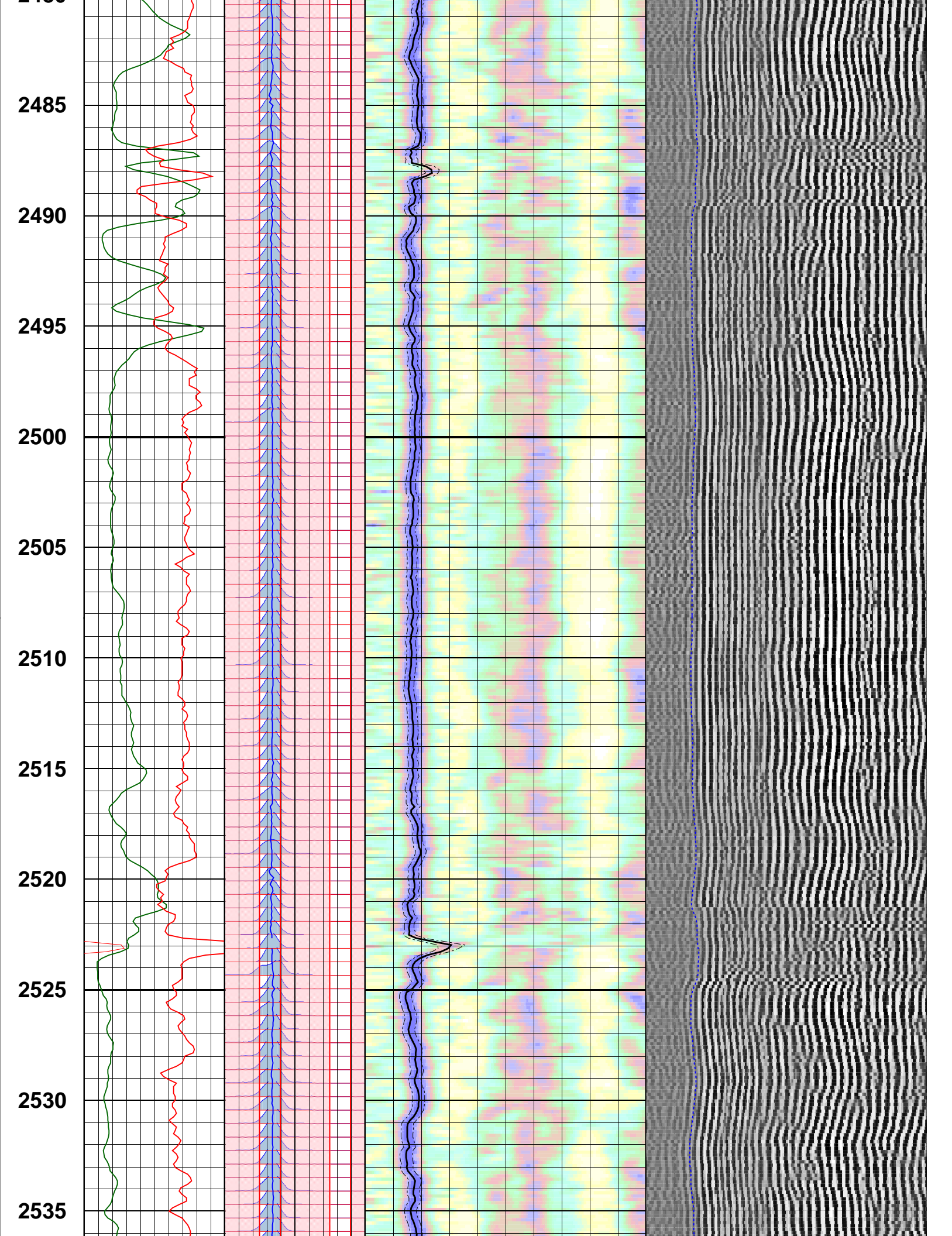
1 MPS Compressional	Receiver	Absent levels=	9
1 MPS Compressional	Transmitter	Absent levels=	17
2 MPS Compressional	Receiver	Absent levels=	1266
2 MPS Compressional	Transmitter	Absent levels=	1262

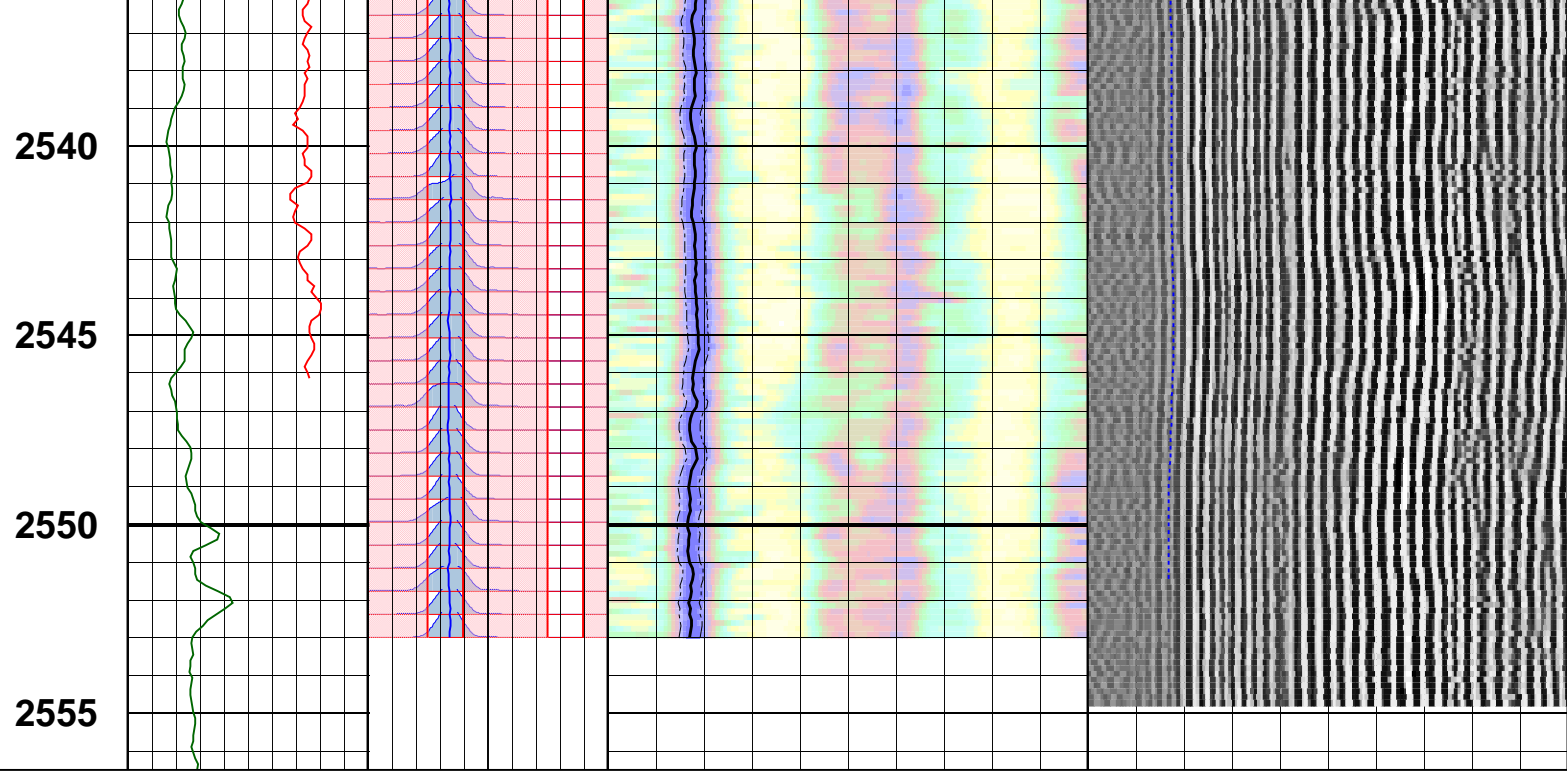
1	MPS Shear	Receiver	Absent levels=	1266	
1	MPS Shear	Transmitter	Absent levels=	1262	
2	MPS Shear	Receiver	Absent levels=	297	
2	MPS Shear	Transmitter	Absent levels=	344	
1	MPS Compressional	DDBHC	Absent levels=	9	*Selected*
2	MPS Compressional	DDBHC	Absent levels=	1286	
1	MPS Shear	DDBHC	Absent levels=	1286	
2	MPS Shear	DDBHC	Absent levels=	278	*Selected*









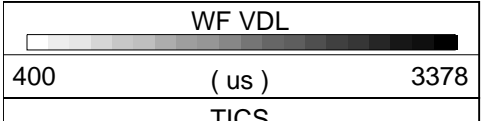


Customized Process: Start Depth (2555.99 m), Stop Depth (2360.21 m), Logging Mode (sonicVISION – MPS_WIDE)
Noise Cut Filtering(No), Casing Cut Filtering(No)
WF_FLG(1 1 1 1), MUD_TYPE(Slow OBM), STCAL(Full Array)
TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)
Mud Slowness (no input)
Hole Diameter (no input)
Zoning Guide (DTBC@Run_2;1 (579.73 – 2553 m))
Tracking Guide (no input)

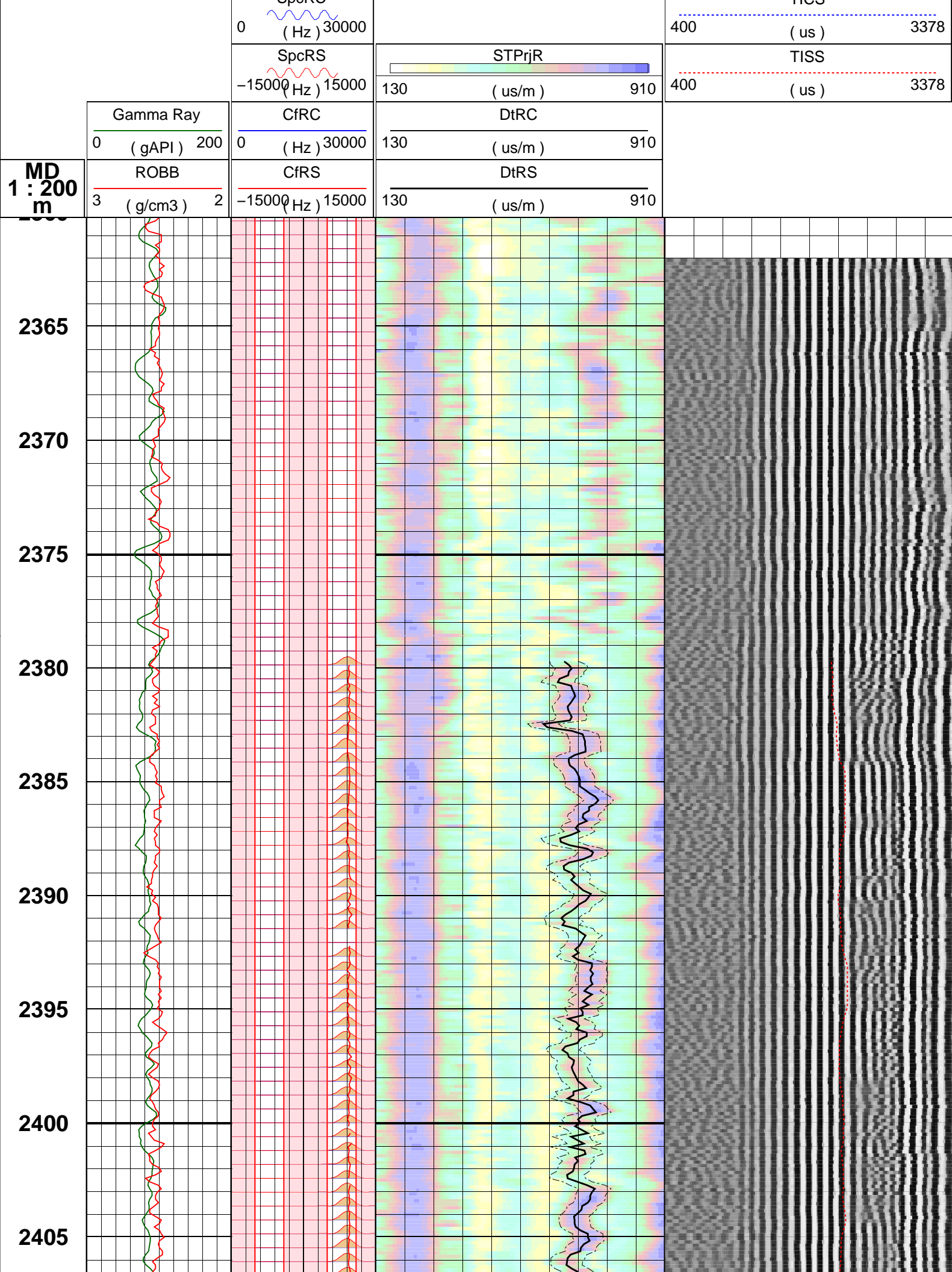
---- Zone Top Depth (0), Zone Name (Zone1) ----
SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix*), HD(9.875), DTMUD(721.785)
TWI(238.281), SLL(130.294), SUL(918.571), SST(6.51469), TLL(400), TUL(3378.52), TST(39.7135)
SBW(1120), SBO(160), SWD(65.6168), TWD(840), SEM(0.45), FLENG(63), FLOW(10000), FHIGH(16000)
TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

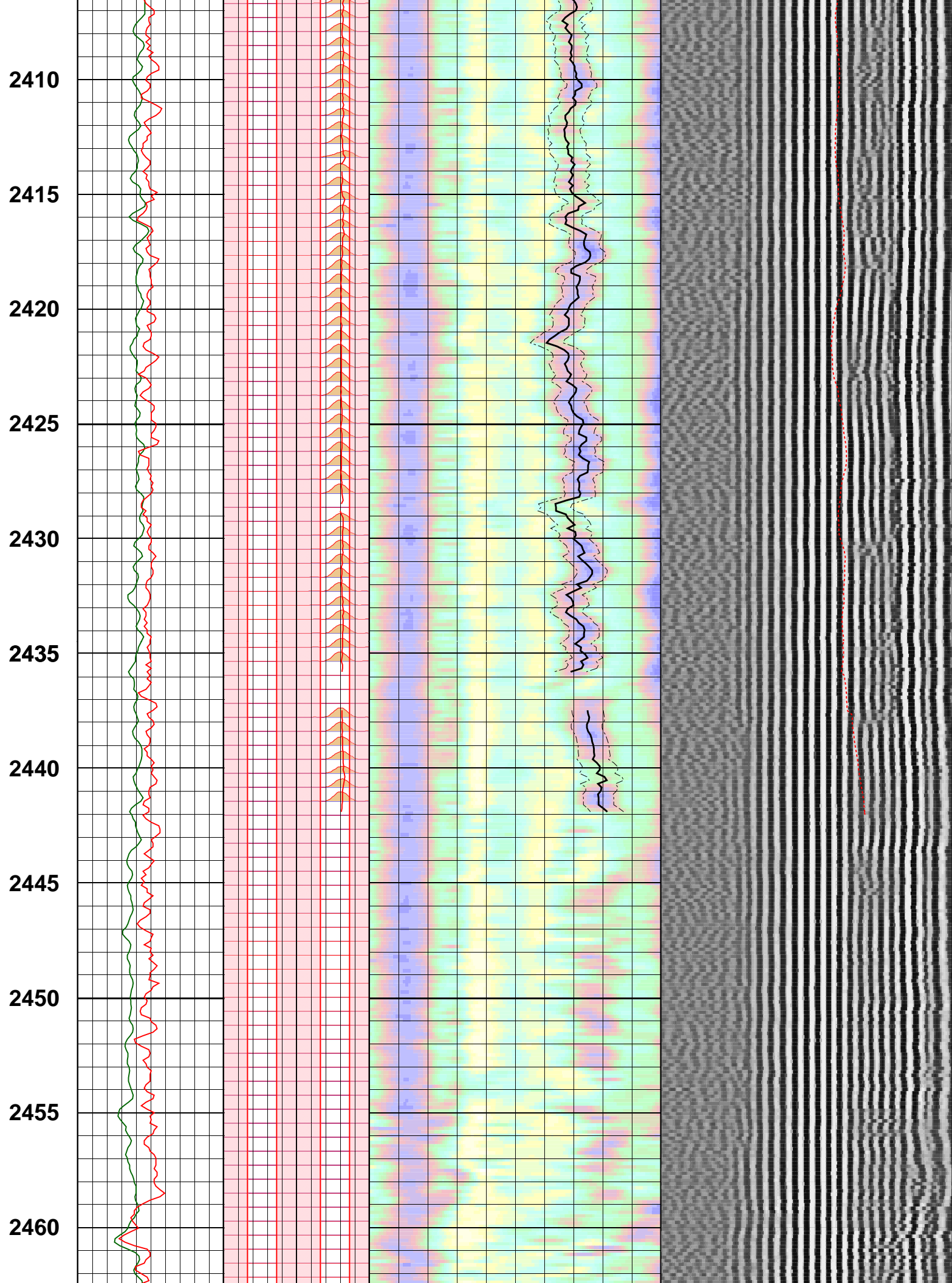
MD 1 : 200 m	ROBB		CfRS		DtRS			
	3	(g/cm3)	2	-20000 (Hz) 20000	130	(us/m)		910
	Gamma Ray		CfRC		DtRC			
	0	(gAPI)	200	0 (Hz) 40000	130	(us/m)		910
			SpcRS		STPrjR			
			-20000 (Hz) 20000		130 (us/m) 910			
			SpcRC					
			0 (Hz) 40000					

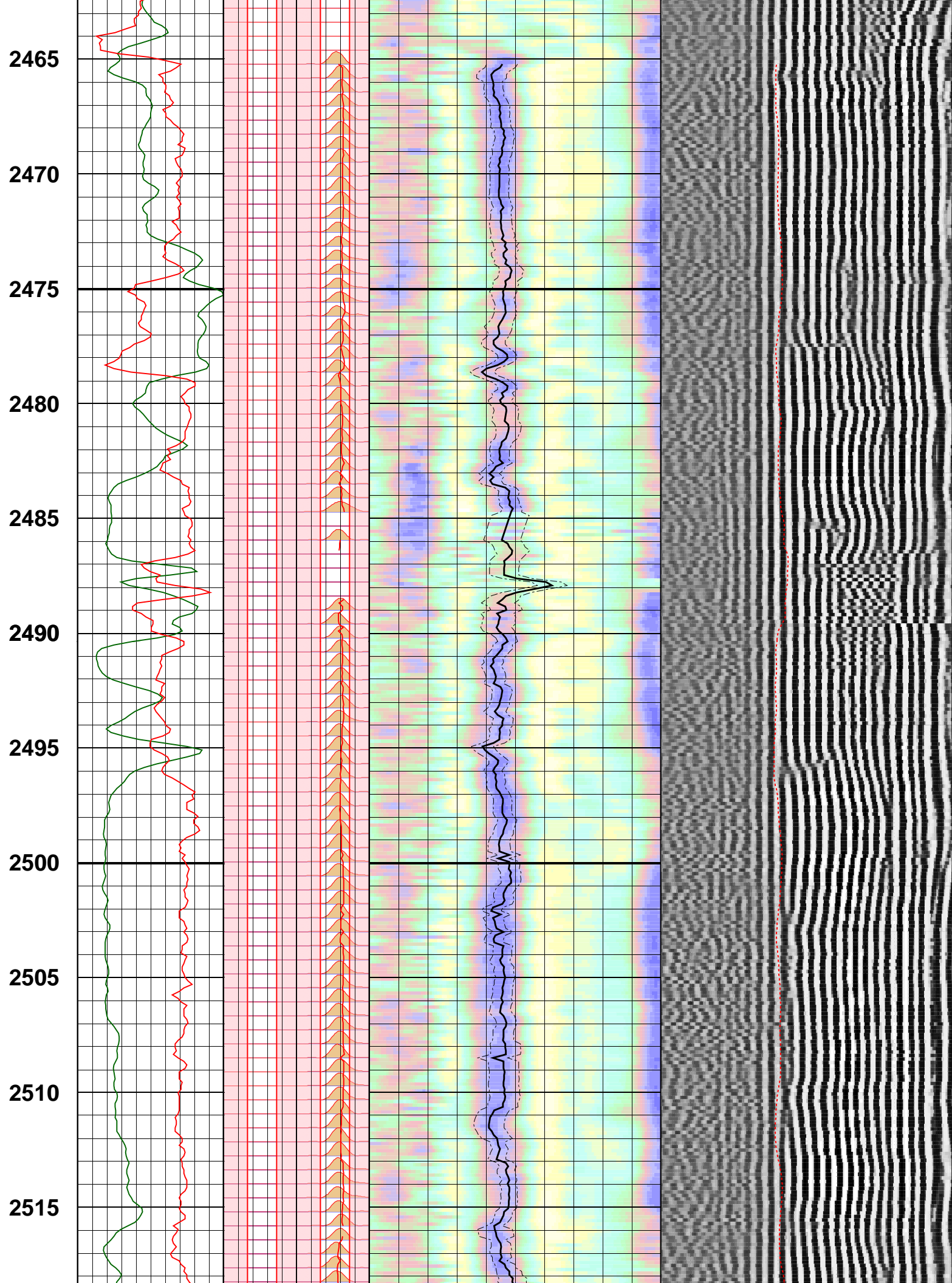
Monopole Shear Processing QC

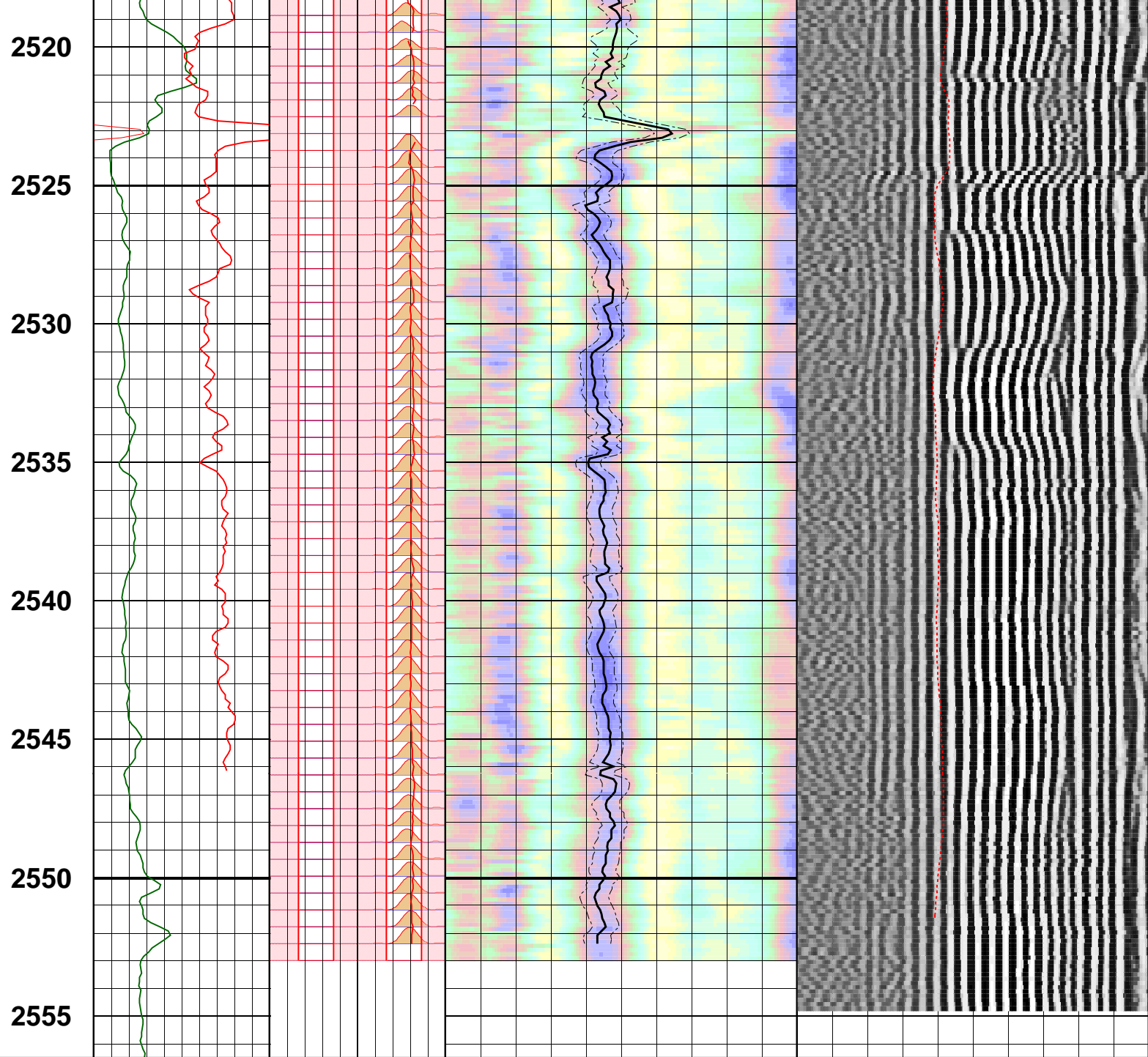


SpcRC





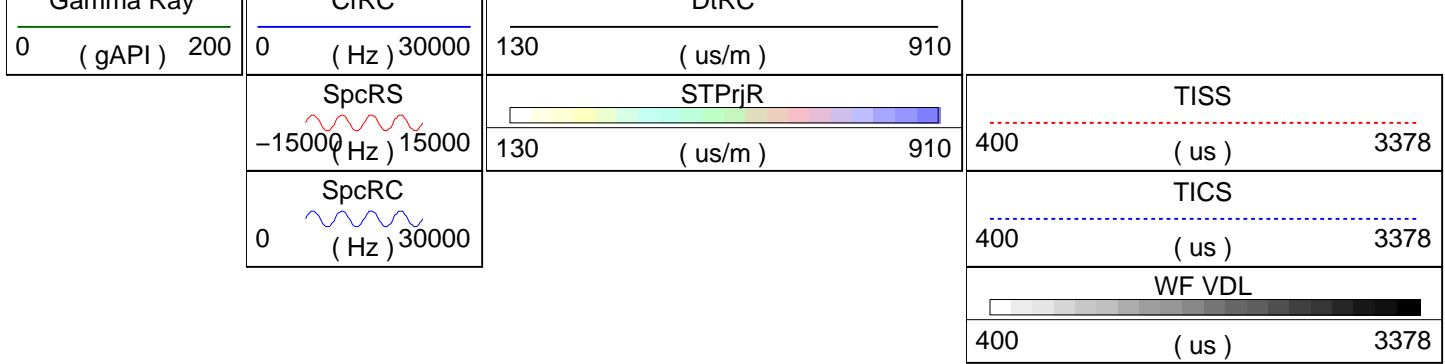




Customized Process: Start Depth (2555.99 m), Stop Depth (2360.21 m), Logging Mode (sonicVISION – MPS_WIDE)
Noise Cut Filtering(No), Casing Cut Filtering(No)
WF_FLG(1 1 1 1), MUD_TYPE(Slow OBM), STCAL(Full Array)
TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)
Mud Slowness (no input)
Hole Diameter (no input)
Zoning Guide (DTBC@Run_2;1 (579.73 – 2553 m))
Tracking Guide (DTRP@BestDT-3;2 .CO .MPS_WIDE .ISONIC .SWP .BDT .EDT (2552.99 – 2360.21 m))

---- Zone Top Depth (0), Zone Name (Zone1) ----
SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix*), HD(9.875), DTMUD(721.785)
TWI(277.995*), SLL(130.294), SUL(918.571), SST(6.51469), TLL(400), TUL(3378.52), TST(39.7135)
SBW(1200*), SBO(760*), SWD(65.6168), TWD(840), SEM(0.45), FLENG(47*), FLOW(5000*), FHIGH(11000*)
TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

MD 1 : 200 m	ROBB		CfRS		DtRS	
	3	(g/cm3)	2	-15000 (Hz) 15000	130	(us/m) 910
	Gamma Ray		CfRC		DtRC	



Company: Esso Australia Pty. Ltd.
Well: CBA A33
FIELD: Halibut
Rig Label: ISDL 175
STATE: Victoria

Date Logged: 24-Jun-2009
Well Location: Cobia Platform
Bass Strait

Date Processed: 26-Jun-2009

