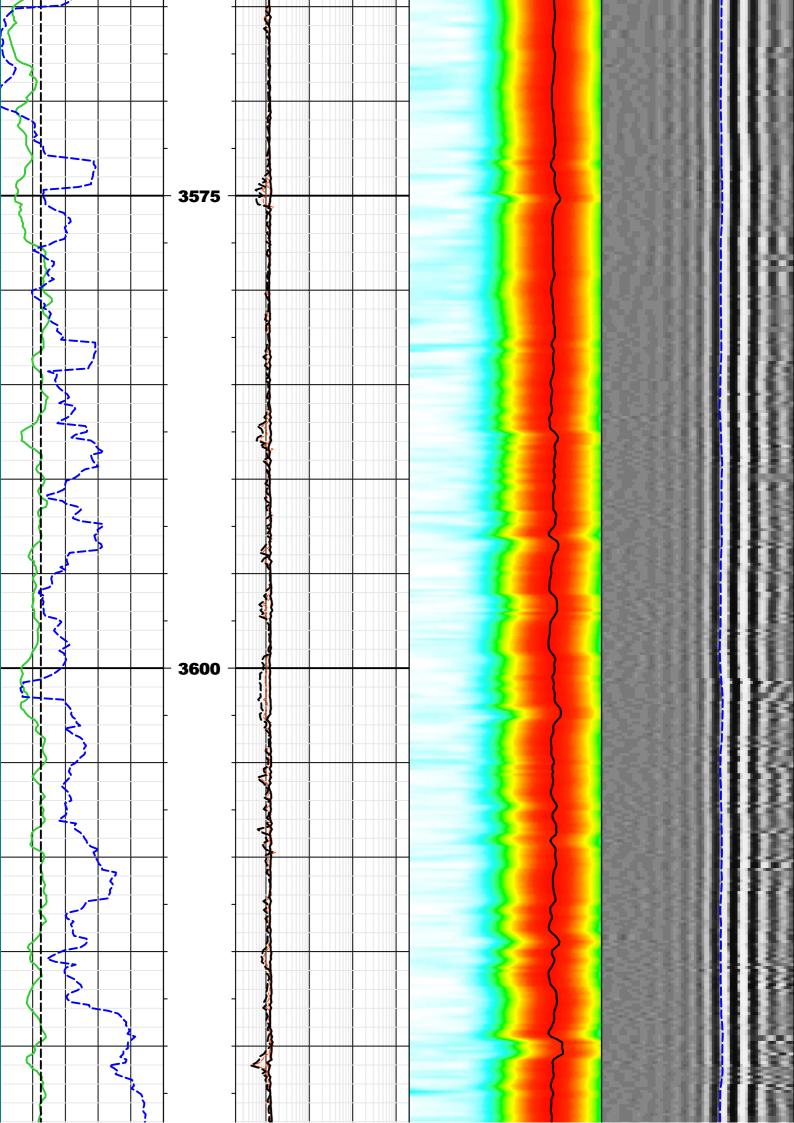
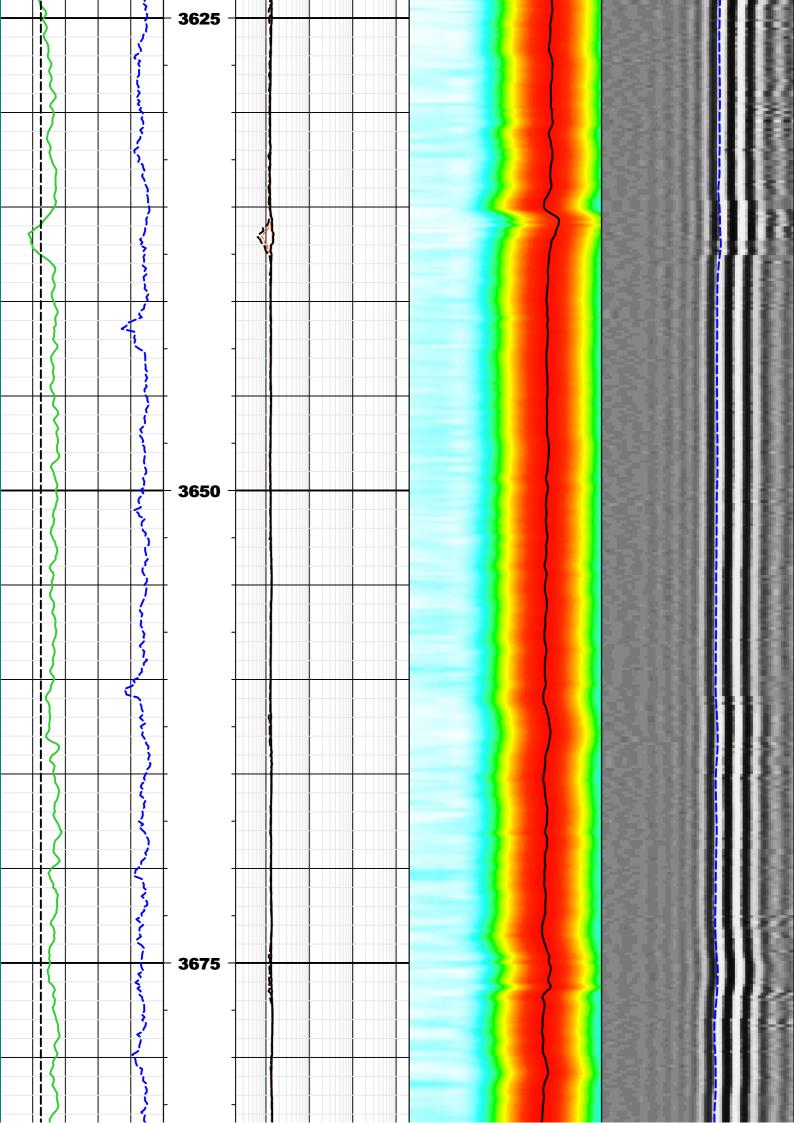
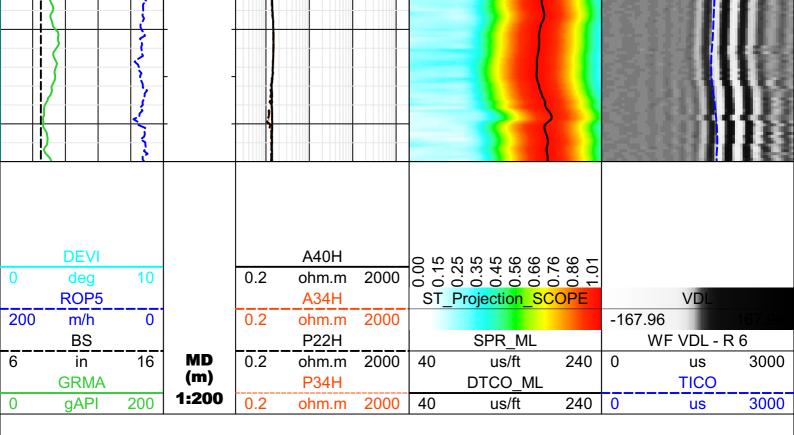
Elevations: DF: 11 m	Surface Location Longitude: 178° 7' 56.1" E	Date Logged: 30-Dec-2017	COUNTRY: New Zealand	FIELD: HSM-05A	WELL: U1520B	COMPANY: IODP	Using the following logs: SonicScope, NeoScope		Monopole Low Compressional Processing QC Plot		SonicScope		H065111	Schlumberger
GL: -3527.3 m	Latitude: 38° 58' 9.84" S	Date Processed: 03-Jan-2018					Scope	* A Mark of Schlumberger	nal Processing QC Plot		cope		Õ R	*Techlog Processed Interpretation
FOLD HERE: The well name, location and borehole reference data were furnished by the customer.														
Any interpretation, research, analysis, data, results, estimates, or recommendation furnished with the services or otherwise communicated by Schlumberger to the customer at any time in connection with the services are opinions based on inferences from measurements, empirical relationships, and/or assumptions; which, inferences, empirical relationships and/or assumptions are not infallible and with respect to which professionals in the industry may differ. Accordingly, Schlumberger cannot and does not warrant the accuracy, correctness, or completeness of any such interpretation, research, analysis, data, results, estimates, or recommendation. The customer acknowledges that it is accepting the services "as is," that Schlumberger makes no representation or warranty, express or implied, of any kind or description in respect thereto, and that such services are delivered with the explicit understanding and agreement that any action taken based on the services received shall be at its own risk and responsibility, and no claim shall be made against Schlumberger as a consequence thereof.														
Svc. Order #: Techlog Vers: 2					2017.2		Analys	Analyst P. Bhuyan			Process Date: 03-Jan-2018			
Mud and Borehole Measurements:														
-						BHT : 7 degC					e: 8.5 in			
Casing ID: Casing Weight		Type Fluid in Hole: Sea Water  Mud density: 1.03 gm/cc												
Remarks:														
Compressi			been proce		•			interva	al 3530-3692m					

Processing parameters summary

Borehole status: Open hole Bit size: 8.5 in Caliper: BS in Energy threshold: 1 Pa Energy threshold option: None Filter length: 41 Filter type: Static filter Filter band high: 4000 Hz Filter band low: 2000 Hz Formation bulk density: 2.1 g/cm3 Formation type: Very slow Average hole size: 8.5 in Receiver/transmitter/DDBHC mode: Receiver mode Leaky-P: Yes Dispersion file mode: Vp/Vs Based Mud slowness: 200 us/ft Mud density: 8.599999 lbm/gal Mud type: WBM Multishot NRSA: 7 Search band offset: 1000 us Search band width: 3000 us Slowness step: 2 us/ft Semblance threshold: 0.35 Slowness lower limit: 40 us/ft STC stacking: No Slowness upper limit: 240 us/ft Slowness width: 20 us/ft Compute SFA: Yes Max frequency: 12000 Hz Min frequency: 0 Hz Model order: 2 Matching tolerance: 50 Time lower limit: 320 us Compressional lower limit: 90 us/ft Compressional upper limit: 202.5 us/ft Shear lower limit: 160 us/ft Time upper limit: 5760 us Shear upper limit: 1112 us/ft Time step: 320 us Integration time window: 1040 us Time width: 2250 us Average Vp/Vs ratio: 2.6 Waveform: WFA\_MLT Reference receiver: 6 **Receiver selection:** R1;R2;R3;R4;R5;R6;R7;R8;R9;R10;R11;R12 A40H **DEVI** 0.00 0.15 0.25 0.35 0.45 0.56 0.66 0.76 0.86 2000 0 deg 10 0.2 ohm.m ST\_Projection\_SCOPE ROP5 VD A34H 200 m/h 0 0.2 ohm.m 2000 -167.96 SPR ML P22H WF VDL - R 6 BS 16 MD 0.2 ohm.m 2000 us/ft 3000 6 40 240 us (m) DTCO\_ML **GRMA P34H TICO** 1:200 gAPI 200 40 240 0 0 0.2 ohm.m 2000 us/ft 3000 us 3550







Company: IODP

Well: U1520B Field: HSM-05A

Country: New Zealand

Date Logged: 30-Dec-2017 Date Processed: 03-Jan-2018

Well Location: Longitude: 178° 7' 56.1" E Latitude: 38° 58' 9.84" S

Elevations: DF: 11m GL: -3527.3m

**Schlumberger**