

U1520A

SonicScope

Monopole Low Compressional Processing QC

* A Mark of Schlumberger

Using the following logs: SonicScope, NeoScope

COMPANY: IODP

WELL: U1520A

FIELD: HSM-05A

COUNTRY: New Zealand

Date Logged: 27-Dec-2017

Date Processed:

03-Jan-2018

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

Elevations: DF: 11 m

GL: -3527.3 m

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: 2017.1	Analyst: BSingh	Process Date: 03-Jan-2018
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Casing Size:	BHT : 2 degC	Bit Size: 8.5 in
Casing ID:	Type Fluid in Hole: Sea Water	
Casing Weight	Mud density: 1.03 gm/cc	

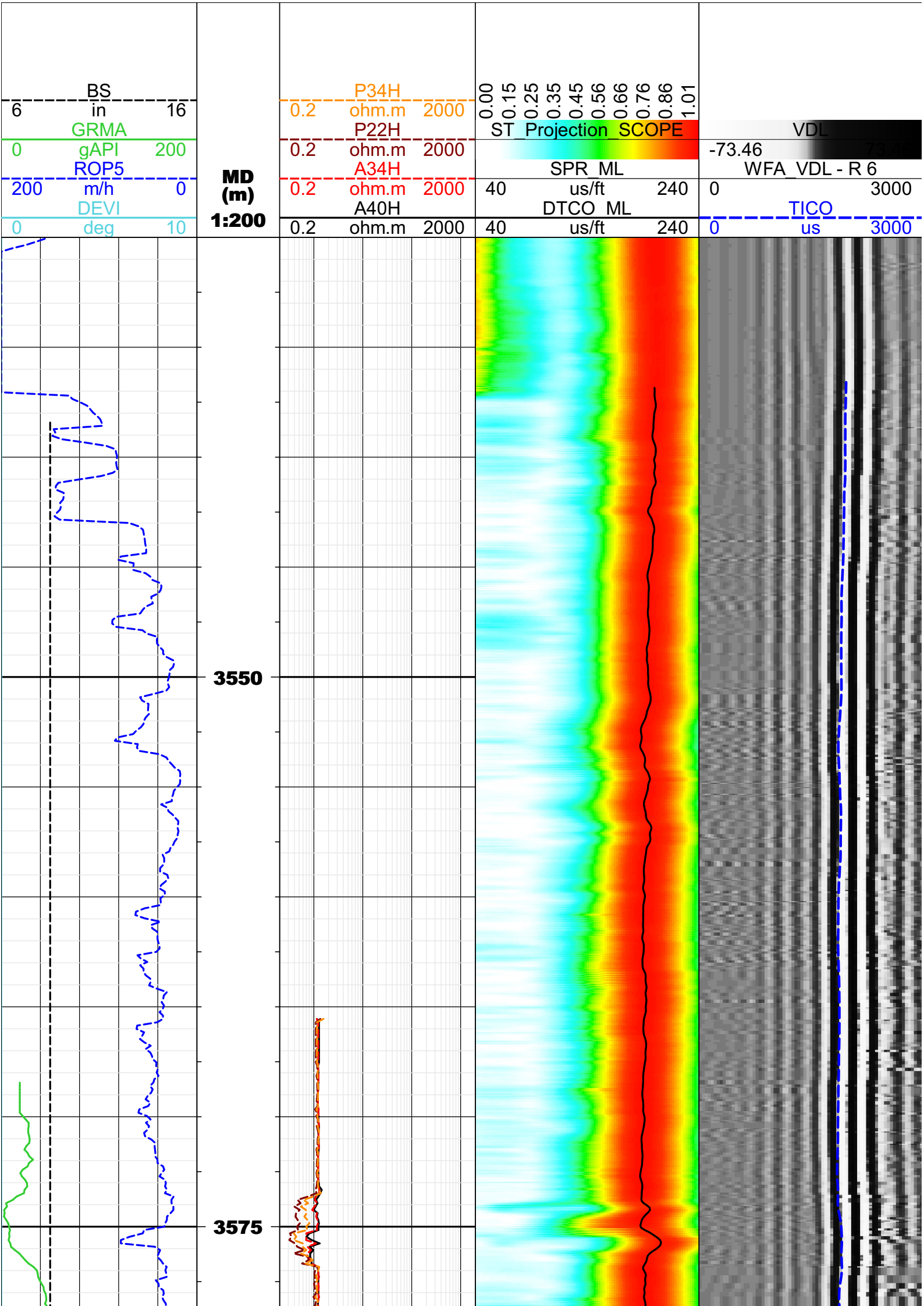
Remarks:

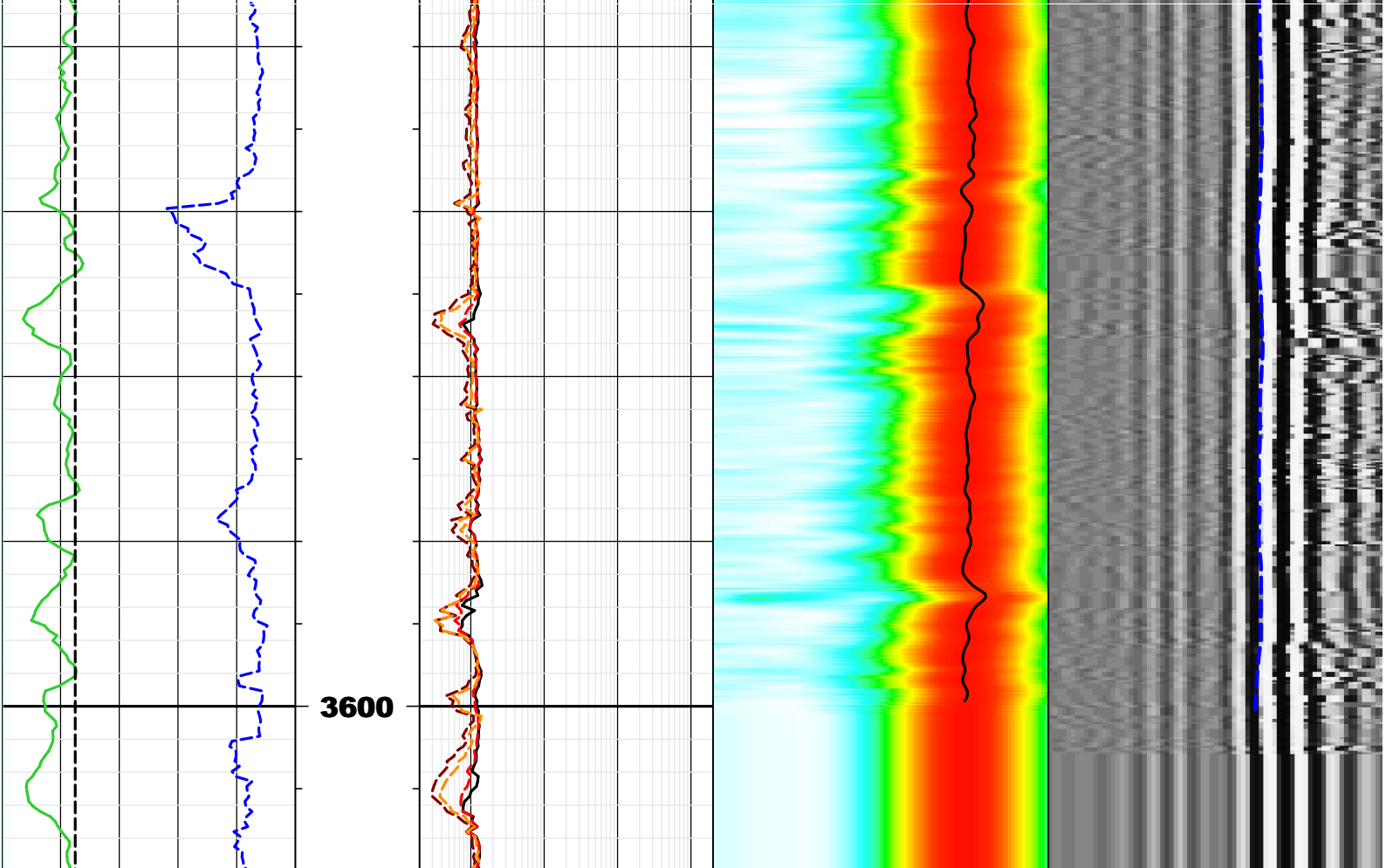
Compressional slowness has been processed from Monopole Low waveforms.
Data might be affected due to borehole condition and mud contamination.

Processing parameters summary

Monopole Low Leaky-P#2

Borehole status: Open hole	Bit size: 8.5 in	Energy threshold: 1 Pa
Energy threshold option: None	Filter length: 41	Filter band high: 4600 Hz
Filter band low: 2600 Hz	Filter type: Static filter	Formation bulk density: 2.3 g/cm ³
Formation type: Intermediate	Average hole size: 8.5 in	Leaky-P: Yes
Dispersion file mode: Vp/Vs Based	Receiver/transmitter/DDBHC mode: Receiver mode	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	Semblance threshold: 0.35
Slowness lower limit: 40 us/ft	Slowness step: 2 us/ft	STC stacking: No
Slowness upper limit: 340 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: 300 us	Compressional lower limit: 56.7 us/ft
Compressional upper limit: 127.5 us/ft	Shear lower limit: 80 us/ft	Shear upper limit: 540 us/ft
Time step: 300 us	Time upper limit: 5700 us	Time width: 2250 us
Integration time window: 900 us	Average Vp/Vs ratio: 2	Waveform: WFA_MLT
Reference receiver: 6	Receiver selection: R1;R2;R3;R4;R5;R6;R7;R8;R9;R10;R11;R12	





BS		
6	in	16
GRMA		
0	gAPI	200
ROP5		
200	m/h	0
DEVI		
0	deg	10

MD (m)
1:200

0.2	P34H	ohm.m	2000
0.2	P22H	ohm.m	2000
0.2	A34H	ohm.m	2000
0.2	A40H	ohm.m	2000

0.00	ST	Projection	SCOPE
0.15	0.25	0.35	0.45
0.56	0.66	0.76	0.86
1.01			
40	us/ft	240	
DTCO ML			
40	us/ft	240	

VDL		
-73.46	WFA VDL - R 6	
0	3000	
TICO		
0	us	3000

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