Elevations:	Surface Location	Date Logged:	COUNTRY: New ;	FIELD: Joide	WELL: HSM-	COMPANY: IODF	Using the follow		Monop			Schlumbe
DF: 36.09 m	Longitude: 178° 36' 51.24" E	25-Dec-2017	Zealand	s Resolution	01A		ing logs: SonicScope, Neo		ole High Compressio	SonicS	HSM-	rger
GL: -3287.4 m	Latitude: 38° 43' 38.22" S	Date Processed: 30-Dec-2017					Scope	* A Mark of Schlumberger	nal Processing QC Plot	cope	01A	*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	Analyst: P. Bhuyan		Process Date: 30-Dec-2017			
Mud and Borehole Measurements:								
Casing Size:		BHT : 7 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 High waveform. Data might be affected due to borehole condition and mud contamination.

Processing parameters summary

Monopole High STC

Borehole status: Open hole Energy threshold: 3 Pa Filter band high: 13000 Hz Formation type: Very slow Dispersion file mode: None

Mud density: 8.599999 lbm/gal Search band offset: 294.583 us Slowness lower limit: 40 us/ft STC stacking: Yes Slowness width: 20 us/ft Min frequency: 0 Hz Time lower limit: 400 us Shear lower limit: 160 us/ft Time upper limit: 3700 us Waveform: WFA\_MHT\_MEDRS\_FILT\_51 unitless Reference receiver: 6

## мопороје під 11 31 4

Bit size: 8.5 in Energy threshold option: Collar only Filter band low: 9000 Hz Average hole size: 8.5 in Receiver/transmitter/DDBHC mode: Receiver Mud slowness: 200 us/ft mode Mud type: WBM Search band width: 2135.83 us Shear only processing: No Stacked frames: 3 Compute SFA: Yes Model order: 2 Compressional lower limit: 90 us/ft Shear upper limit: 1112 us/ft Time width: 1600 us

Caliper: BS in Filter length: 41 Filter type: Static filter Leaky-P: No

Multishot NRSA: 7 Semblance threshold: 0.35 Slowness step: 2 us/ft Slowness upper limit: 240 us/ft Max frequency: 12000 Hz Matching tolerance: 50 Compressional upper limit: 202.5 us/ft Time step: 100 us Integration time window: 300 us **Receiver selection:** R1;R2;R3;R4;R5;R6;R7;R8;R9;R10;R11;R12

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Company: Well: Field: Country: Date Logged: Well Location: Elevations:			IODP HSM-0 Joides New Z 25-Dec Longit DF: 36	1A Reso ealan c-201 ude: .09m	olution d 7 Da 178° 36	ate Pr ' 51.2	oces 4" E GL:	sed: 30-De Latitude: 3 -3287.4m	ec-20 38° 43	<b>Schlu</b> 17 3' 38.22	<b>mber</b> " S	ger