

LWD data QC and processing memo of C0024A (DRAFT)

4th Sep, 2019

Exp358 LSSs

This is a supplemental and quick memo to help using the logging data. It includes personal communication between Schlumberger data processor. Refer to the IODP expedition 358 proceedings for the official information.

Depth index

mBRT: meter below rotary table (rig floor)

mbsf: meter below sea floor

MSL: mean sea level

MD: Measured depth, linear length from the rig floor

TVDSS: True Vertical Depth SubSea, vertical depth from MSL

Well summary

Expedition:	358
Hole:	C0024A
Location:	33° 02.04396'N, 136° 47.3991'E X/Y: 667159.78 / 3656517.23
Water Depth:	3870.0 mBRT (3841.5 mMSL)
Rig floor to MSL Elevation:	28.5 m
Coordinate:	WGS84-N53
Grid North:	0.98 (degree)
Magnetic Declination:	-6.83 (degree)
Magnetic Inclination:	46.52 (degree)
Total magnetic force:	46005.29 (nT)
Horizontal component:	31530 nT
Vertical component:	33281 nT

An 8-1/2" bit and full suite LWD of MicroScope, arcVISION, TeleScope, SonicScope, seismicVision were used. Non-stop driller were applied from 4381.5 mBRT (511.5 mbsf) connection. ECD increased from 4715 mBRT (845 mbsf) and reaming up and down conducted, but due to well condition worse, stop drilling at 4739 mBRT (869 mbsf) and pull

out of hole. Twice repeat log operation from 4180 - 4130 mBRT (310 – 260 mbsf) and 3885 – 3867 mBRT (15 mbsf - 3 m above seafloor) to check mud line.