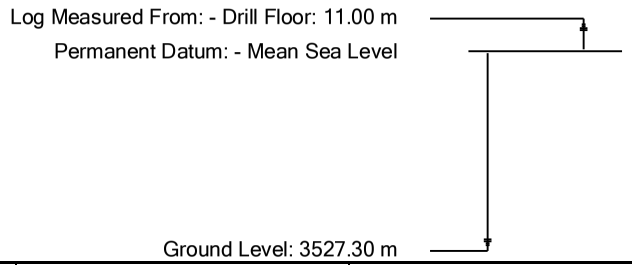
geoVISION Resistivity
1:240 Measured Depth
Recorded Mode Data

Schlumberger

Company:	IODP
Well:	U1520A
Field:	HSM-05A
Rig Name:	Joides Resolution
Expedition:	372
Country:	New Zealand

Latitude:	38° 58' 9.84" S	UWID:	
Longitude:	178° 7' 56.1" E	Rig Name:	Joides Resolution
Block:	EXP372	Rig Type:	Drill Ship

FL:
FL1:
FL2:



Acquisition Dates:	26-Dec-2017 -- 27-Dec-2017
Log Interval:	3530.00(m) -- 3636.00(m)
Index Types:	Measured Depth
Index Scales:	1:240
Depth Source:	Driller's Depth
Depth Sensor:	DES
Print Type:	Final
Spud Date:	26-Dec-2017

Other Services:
SonicScope
proVISION Plus
geoVISION Images
StethoScope

Disclaimer

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Run 1

FINAL GVR LOG 1

Software Version

Acquisition System	Version
Maxwell 2017 SP3	7.3.92069.3100

Computation	Description	Version
RAB6Res	RAB6 Resistivity Computation Package for both Real-time and Recorded Mode	7.3.92069.3100
RAB6GR	RAB6 Gamma Ray Computation Package for both Real-time and Recorded Mode	7.3.92069.3100

SoftwareVersion_Tool	SoftwareVersion_System Version	SoftwareVersion_Loaded Version
HSPM	20.3c.062	7.3.92069.3100

Tool Elements	Description	Software Version	Firmware Version
DRILLING_SURFACE	DRILLING_SURFACE	7.3.92069.3100	
RBEC	Electronics Chassis Assembly for RAB6-C	7.3.92069.3100	V8.6B

Pass Summary

Company: IODP Well: U1520A Field: HSM-05A Rig Name: Joides Resolution Expedition: 372 Country: New Zealand

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run 1	Drilling	Down	3505.48 m	3636.67 m	26-Dec-2017 10:05:45 AM	27-Dec-2017 2:47:40 AM	Yes

All depths are referenced to toolstring zero

Log

Company:IODP Well:U1520A

Run 1: Drilling:S008

Description: GVR Resistivity Conductivity Format: Log (FINAL GVR LOG 1) Index Scale: 1:240 Index Unit: m Index Type: Measured Depth Creation Date: 31-Dec-2017 19:18:35

TICKS_GR - Gamma Ray Tick Marks RAB6 RM

TICKS_RING - Ring Sample Tick Marks RAB6 RM

Ring Resistivity Time After Bit (TAB_RES_RING) RAB6

0 h 10

Gamma Ray (GR) RAB6 RM

0 gAPI 150

Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT

100 m/h 0

Angular Acceleration Indicator (AAI) RAB6 RM

0 200

Rotational Speed (RPM) RAB6 RM

0 c/min 200

Bit Resistivity (RES_BIT) RAB6 RM

0.2 ohm.m 2000

Ring Resistivity (RES_RING) RAB6 RM

0.2 ohm.m 2000

Deep Button Resistivity (RES_BD) RAB6 RM

0.2 ohm.m 2000

Medium Button Resistivity (RES_BM) RAB6 RM

0.2 ohm.m 2000

Shallow Button Resistivity (RES_BS) RAB6 RM

0.2 ohm.m 2000

Bit Conductivity (COND_BIT) RAB6 RM

4000 mS/m 0

Ring Conductivity (COND_RING) RAB6 RM

4000 mS/m 0

Deep Button Conductivity (COND_BD) RAB6 RM

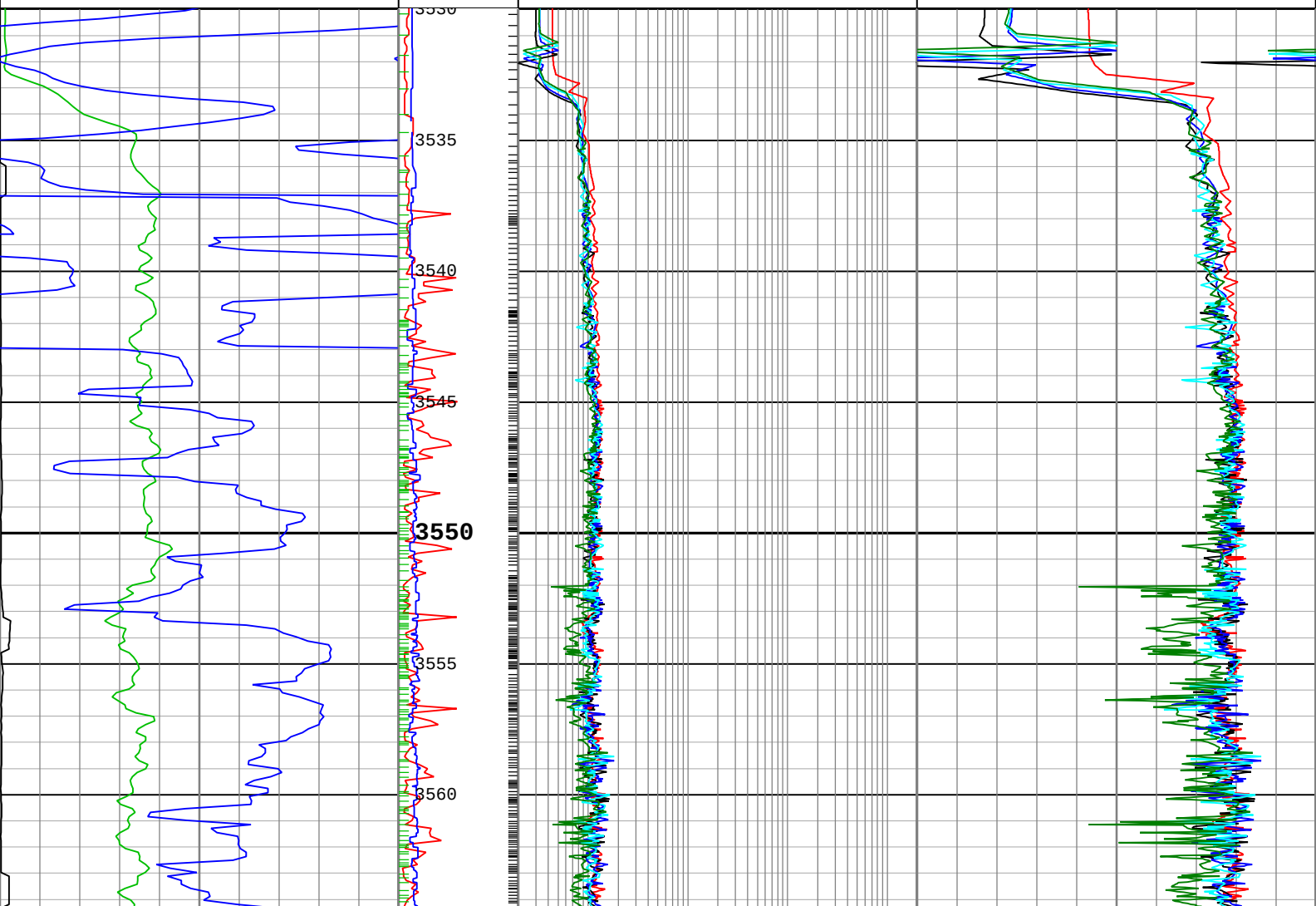
4000 mS/m 0

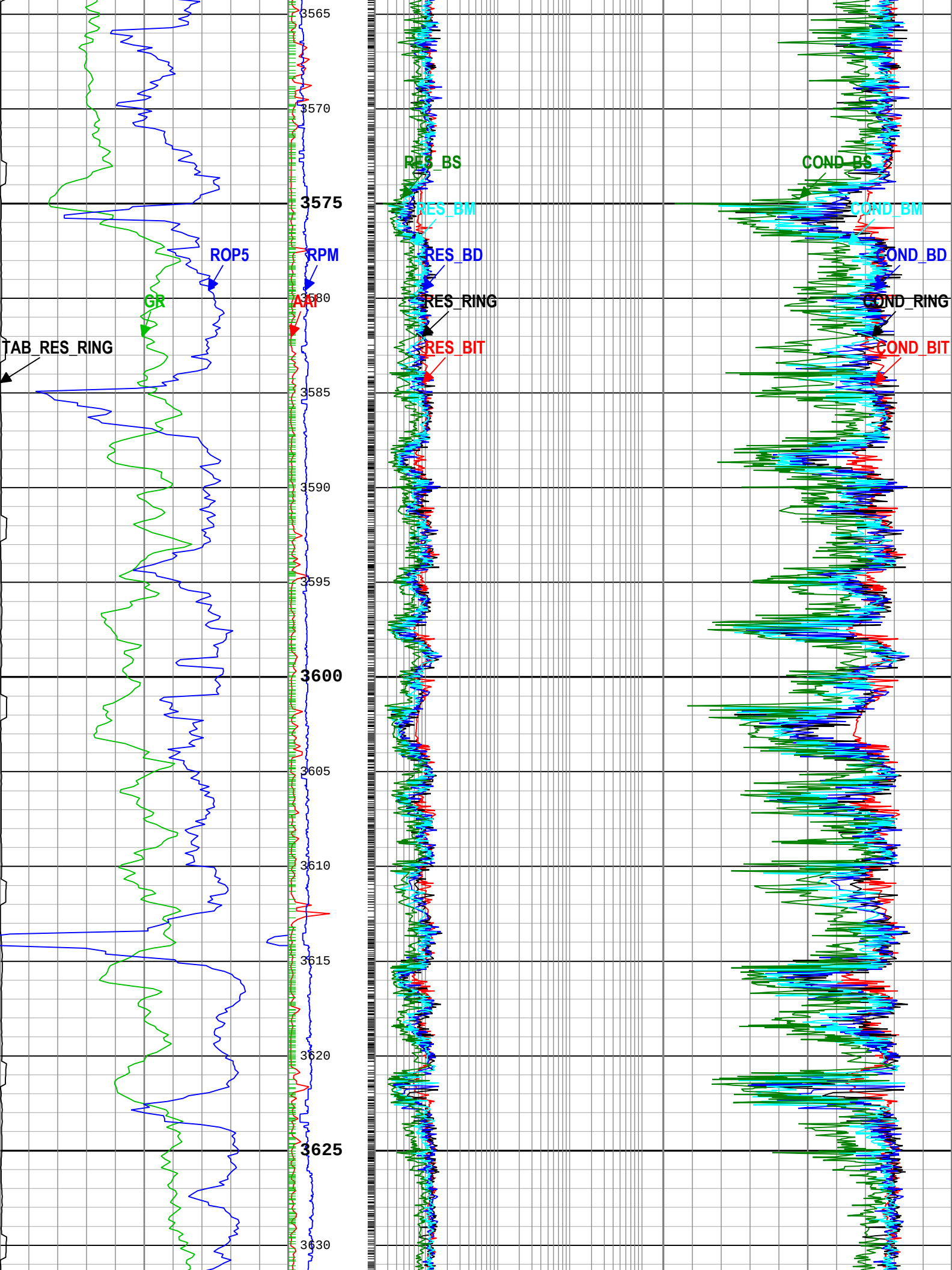
Medium Button Conductivity (COND_BM) RAB6 RM

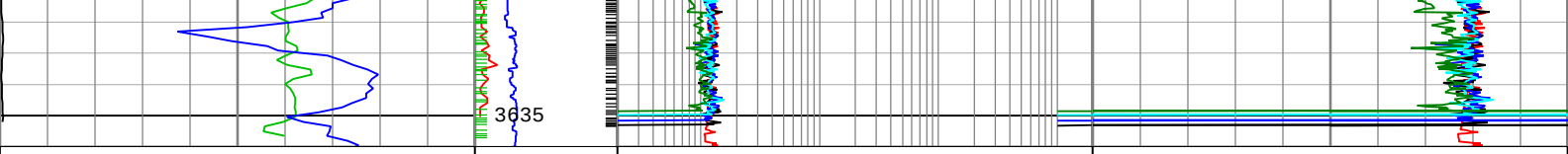
4000 mS/m 0

Shallow Button Conductivity (COND_BS) RAB6 RM

4000 mS/m 0




3565
3570
3575
3580
3585
3590
3595
3600
3605
3610
3615
3620
3625
3630
ROP5
RPM
GR
AAI
TAB_RES_RING
RES_BS
RES_BM
RES_BD
RES_RING
RES_BIT
COND_BS
COND_BM
COND_BD
COND_RING
COND_BIT



Ring Resistivity Time After Bit (TAB_RES_RING) RAB6

0 h 10

Gamma Ray (GR) RAB6 RM

0 gAPI 150

Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT

100 m/h 0

Angular Acceleration Indicator (AAI) RAB6 RM

0 200

Rotational Speed (RPM) RAB6 RM

0 c/min 200

Bit Resistivity (RES_BIT) RAB6 RM

0.2 ohm.m 2000

Ring Resistivity (RES_RING) RAB6 RM

0.2 ohm.m 2000

Deep Button Resistivity (RES_BD) RAB6 RM

0.2 ohm.m 2000

Medium Button Resistivity (RES_BM) RAB6 RM

0.2 ohm.m 2000

Shallow Button Resistivity (RES_BS) RAB6 RM

0.2 ohm.m 2000

Bit Conductivity (COND_BIT) RAB6 RM

4000 mS/m 0

Ring Conductivity (COND_RING) RAB6 RM

4000 mS/m 0

Deep Button Conductivity (COND_BD) RAB6 RM

4000 mS/m 0

Medium Button Conductivity (COND_BM) RAB6 RM

4000 mS/m 0

Shallow Button Conductivity (COND_BS) RAB6 RM

4000 mS/m 0

TICKS_RING - Ring Sample Tick Marks RAB6 RM

TICKS_GR - Gamma Ray Tick Marks RAB6 RM

Description: GVR Resistivity Conductivity Format: Log (FINAL GVR LOG 1) Index Scale: 1:240 Index Unit: m Index Type: Measured Depth Creation Date: 31-Dec-2017 19:18:35

Channel Processing Parameters

Run 1: Parameters

Parameter	Description	Tool	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	0	%
BHT	Bottom Hole Temperature	Borehole	2	degC
BS	Bit Size	DNMSESSION	8.5	in
DFD	Drilling Fluid Density	Borehole	8.6	lbm/gal
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
GRSE_RM	Generalized Mud Resistivity Selection for Recorded Mode	Borehole	REMS(RM)	
GTSE_RM	Generalized Temperature Selection for Recorded Mode	Borehole	DHAT(RM)	
MST	Mud Sample Temperature	Borehole	23.89	degC
RMS	Resistivity of Mud Sample	Borehole	0.2	ohm.m
TEMP_SEL_RAB	RAB Temperature Selection	RAB6	Tool	

Tool Control Parameters

Company:	IODP
Well:	U1520A
Field:	HSM-05A
Rig Name:	Joides Resolution
Expedition:	372
Country:	New Zealand

Schlumberger

geoVISION Resistivity

1:240 Measured Depth

Recorded Mode Data