

Year / Age Status Notes

MORPHOBATYMETRY

MBES Reson Seabat 8111		> 10 yrs	OK	
MBES Reson Seabat 7150		2014	OK	water column, up to 880 beams (same keel transducers)
MIDAS Sound Velocity profiler	new	2014	OK	1 spare available + XBT

ECHOSOUNDING

Kongsberg Simrad EA600		> 5 yrs	OK	
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SUB BOTTOM PROFILING

Benthos Chirp III		2015	N.A.	topside unit and software to be installed after ship refitting (same keel transducers)
Benthos Chirp II		>10 yrs	OK	

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AIR SUPPLY				
Bauer Compressor 3500 l/min		2015	OK	Portable (container TEU 20'')*
3 LEO compressor 72000 l/min		> 40 yrs	OK	
SOURCES				
4 x 250 cu.in. Sercel G-guns	used	2015	N.A.	
4 x 210 cu.in. Sercel GI-guns		> 5 yrs	OK	Portable
1 x 60 cu.in. Sercel Mini GI-gun	new	2014	OK	Portable*
1 x 15 cu.in. Water gun		> 10 yrs	OK*	Portable*
SYNCHRONIZER				
RTS Big Shot 16 channels		> 10 yrs	OK	
RTS Sure Shot 4 channel		> 10 yrs	OK	Portable*
ACQUISITION SYSTEM				
Sercel Seal, 120 channels	new	2016	N.A.	to be installed after ship refitting
Geometrics Geoeel, 96 channels	used	2013	OK	Portable (motor winch)*
LEVELING SYSTEM				
Digicourse		> 10 yrs	N.O.	4 birds under purchasing, no modem

*Portable instruments will not be available because they will be used on the Australian research vessel Investigator in the Antarctic cruise 2016-17

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GRAVIMETRY

Bodenseewerk KSS-31	2011	OK	new electronics, same sensor
Lacoste & Romberg	>10 yrs	OK	portable, port measures

MAGNETOMETRY

Geomagnetic Sea Spy	2014	N.O.	one fish and cable damaged, manufacturer totally unreliable. No action to be taken but definitely dismiss the instrument.
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Thermosalinograph SBE21	>10 yrs	OK
ADCP 75 Khz RDI	>10 yrs	OK
MK21 System	>10 yrs	OK

	Status	Notes
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Corer max 5 m long	OK	1 spare
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Grab 10 liters	OK	
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	Location		Year / Age	Status	Notes
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WINCHES AND CONTROLS

Hydraulic winch (2 m diameter)	back deck		>10 yrs	OK	Streamer deployment
Hydraulic winch OLEO MEC	back deck		>5 yrs	OK	SSS and Rosette deployment
Hydraulic winch OLEO MEC	back deck		>5 yrs	OK	Corings. 3500 m long wire. Max depth 3000 m
Control station	boat deck		>10 yrs	OK	Remote controls SSS, corings, SVP, load cell monitoring

FRAME AND LIFT EQUIPMENT

A-Frame SWL 20 ton	back deck		>10 yrs	OK	to be lengthened during ship refitting
1 Side frame starboard	back deck		>10 yrs	OK	Guns deployment
1 Side frame port	back deck		>10 yrs	OK	SVP deployment
Crane Heila – SWL 6400 kg	back deck		>10 yrs	OK	
Crane starboard	fore deck	new	2016	N.A.	Rosette deployment to be installed during ship refitting
Winch starboard	fore deck	new	2016	N.A.	Rosette deployment to be installed during ship refitting

INFORMAZIONI

Per eventuali informazioni e/o chiarimenti,
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