Thompson Mid-life Update
Timeline - Milestones

✓ Contract awarded 24 August 2015
✓ Thompson finishes science 24 May 2016
✓ Entered shipyard 16 June
✓ First seismic compressor removed 28 June
✓ Drydocked 15 August
✓ First generator set removed 19 August
✓ First new generator set onboard 22 September
✓ Undocked 25 October
  • Shipyards complete Oct 2017
  • Shakedown cruise late Oct/early Nov 2017
  • Return to science late 2017
Major Issues

• Propulsion Motors
• Z-drive Lower Gear Box
• Steel repairs
• Replaced more piping than anticipated
• Couldn’t re-use old cabling
• Extensive crane repairs
• Changes even more expensive than anticipated
• Late start of shipyard’s design sub-contractor
• Slow ramp up of shipyard project team
Shortly after arrival at Vigor

1st seismic compressor coming out

Ready to remove the generator sets

1st generator set out
1st generator set comes off
First new generator set being moved into place
1st new generator set comes onboard
EM-302 being replaced

Bridge gutted & prepped for new consoles

Blasting the aft main deck

Ballast tank before blast & paint

4/16/17

RVOC Spring 2017
Bad old stuff – piping & wires
Badly corroded vent ducting

Senior Scientist S/R

Computer Lab gutted

Heavily corroded 02 Deck
New Main Control Console in place

Old Switchboards & Drives being removed

A-frame refreshed / upgraded

New switchboards in place

4/16/17

RVOC Spring 2017
New drainage piping for head modules

New firemain piping

New instrument well

Transducer Void “refreshed”
Refurbished hydro-winches in place

Cables prepared for feeding into switchboards

Cable connections in new generator

New piping systems

4/16/17
Looking tired & worn out

Starting to look refreshed
Back alongside – with a lot more work to be done