Thompson Mid-life Refit / Service Life Extension update

- $30M funding = repowering the ship → Service Life Extension
- In the RFP process – evaluating proposals
- Award shipyard contract by 8/1/2015
  - Start planning, detail design, long lead time procurement, regulatory approval process
  - Enter shipyard May/June 2016
  - Finish shipyard Apr 2017 – Oct 2017 depending upon bidder
- Plan for a month of prep & shakedown (NSF insp?) post-delivery to prepare for unrestricted science ops
Thompson Mid-life Refit / Service Life Extension

New workboat

New LED Nav Lights

Refurbished/upgraded Hydro Winches

More power on deck,
Improved 02 deck stowage
Add instrument well

New Bridge Consoles, DP upgrade, ECDIS

Habitability

Lab Lighting / Decks / Ventilation
Remove Hydro-Sweep, new
Electronics Space with dedicated cooling

RE-POWER – new engines,
alternators, propulsion motors,
switchgear, drives, AMS, controls

EM-302 upgrade
Add 300 Hz ADCP

Engineering Systems Upgrades
- HVAC
- Firefighting
- RO Watermakers
- Potable Water System
- Sewage
- Ballast piping
AGOR-23 Class Service Life Extension Program Notional Timeline

- **Design**
- **RFP**
- **Shipyard Contract**
- **DD&P**
- **Thompson SLEP**
- **Design Update**
- **RFP**
- **Shipyard Contract**
- **DD&P**
- **Revelle SLEP**
- **Design Update**
- **RFP**
- **Shipyard Contract**
- **DD&P**
- **Atlantis SLEP**

**DD&P – Shipyard Detail Design & Planning incl. procurement of long lead time equipment**

**Assumptions**
- DD&P – 9 months
- SLEP – 12 months
- Shipyard Contract – 21 months
- Design Update – 4-6 months
- RFP Prep & Process – 7-9 months
- SLEP: $30M each in 2014 dollars

**Funding**
- $15M
- $20M

Yearly Timeline:
- CY2013
- CY2014
- CY2015
- CY2016
- CY2017
- CY2018
- CY2019
- CY2020
- CY2021
- CY2022
- CY2023

30 Oct 2014
Thompson Mid-life Refit Timeline – Re-power / SLEP Timeline

FY 2013 & FY2015 funding