

US COAST GUARD POLAR ICEBREAKER SCIENCE TCTO STATUS



**Polar Engineering Status Brief
AICC Meeting, January 2013
Mr. Ryan Young**



HEALY (WAGB-20) Science TCTO Status



- Winch Control System – Installed, Prototype Evaluation/Modification in progress
- LED “Backboard” – Installed, Prototype Evaluation in progress
- ADCP Relocation – Prototype Evaluation in progress, Potential for further modification exists
- TSG/PCO₂ Relocation – Working with Port Engineer to develop detailed installation plan. Prototype Authorization anticipated NLT May 2013.
- Van Relocation – Study being conducted by Elliott Bay Design Group, Intended May 2014 Install, Will enter into a USCG Feasibility Study NLT April 2013



HEALY (WAGB-20) Science TCTO Status (Cont'd)



- Photo, Computer, Future Lab Renovation – Prototypes Authorized (except for Future Lab). Renovations for Photo and Computer Lab occurring now, anticipated completion by Summer 2013.
- Mooring Release Transducer – Currently in Prototype Assessment and Technical Review. Anticipate Prototype Authorization NLT March 2013.
- Science Lab UPS Removal – Installed, Prototype Evaluation/Modification in progress
- VSAT – Installed, HVAC Modifications to be complete DD/DS13.

POLAR STAR (WAGB-10)

Science TCTO Status

- VSAT – Prototype Authorized. Anticipated Install March 2013.
- Knudsen Depth Sounder – Concept Only
- Science Winch Monitor System – Concept Only

