

# New AIVL-WHOI Imaging Systems for use on NDSF & other vehicle systems

AGU DESSC December 2015



# AIVL Scientific Imaging Systems 6000 MSW Rated

2

- ▣ HDTV Science Utility Cameras
- ▣ UHDTV 4K Science Utility Cameras (Jan 2016)
- ▣ HDTV Offload Camera System
- ▣ Stereoscopic 3D HDTV Camera Systems
- ▣ Ultra Low light EMCCD 3-Chip HDTV Imaging System
  - Spectrum includes UV-Visible-IR
  - Bioluminescence and Fluorescence Imaging Applications
- ▣ Panoramic HD and UHDTV Camera Systems
- ▣ High Speed High Frame Rate Camera Systems



# AIVL Cinematography Camera Systems 6000 MSW

3

- ▣ Sony Cinealta HD Cinematography Cameras
- ▣ 3D Stereoscopic Cinematography Camera
- ▣ Sony Cinealta 4K+ UHDTV Cinematography Cameras
- ▣ Red Epic/Dragon 4K+ UHDTV Cinematography Cameras

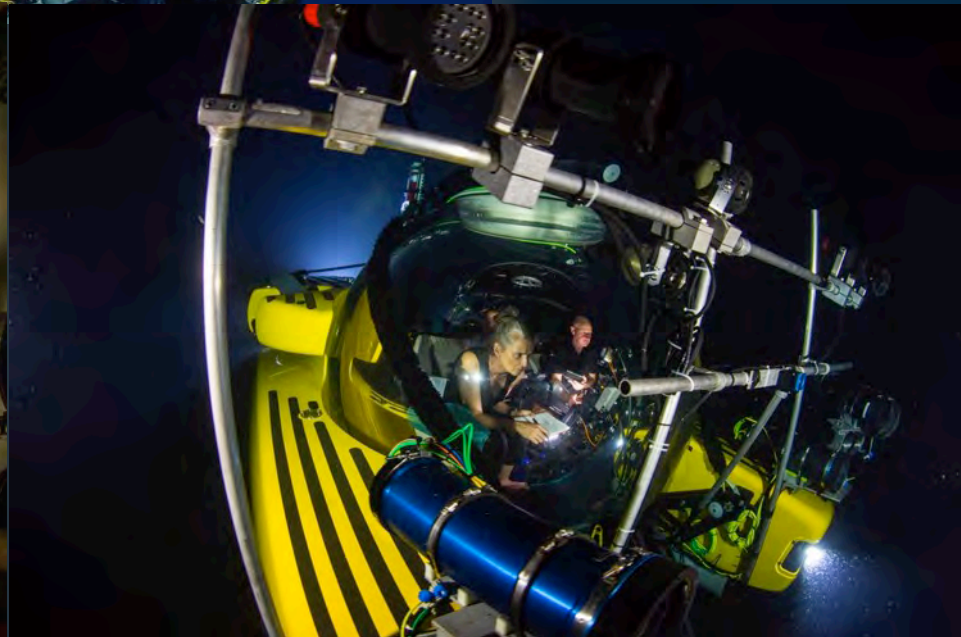
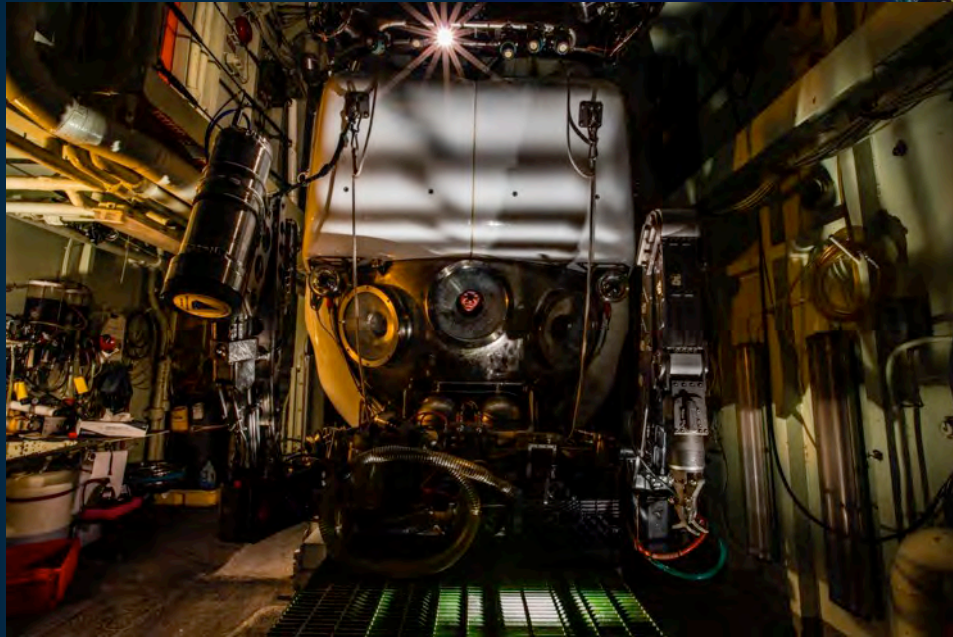


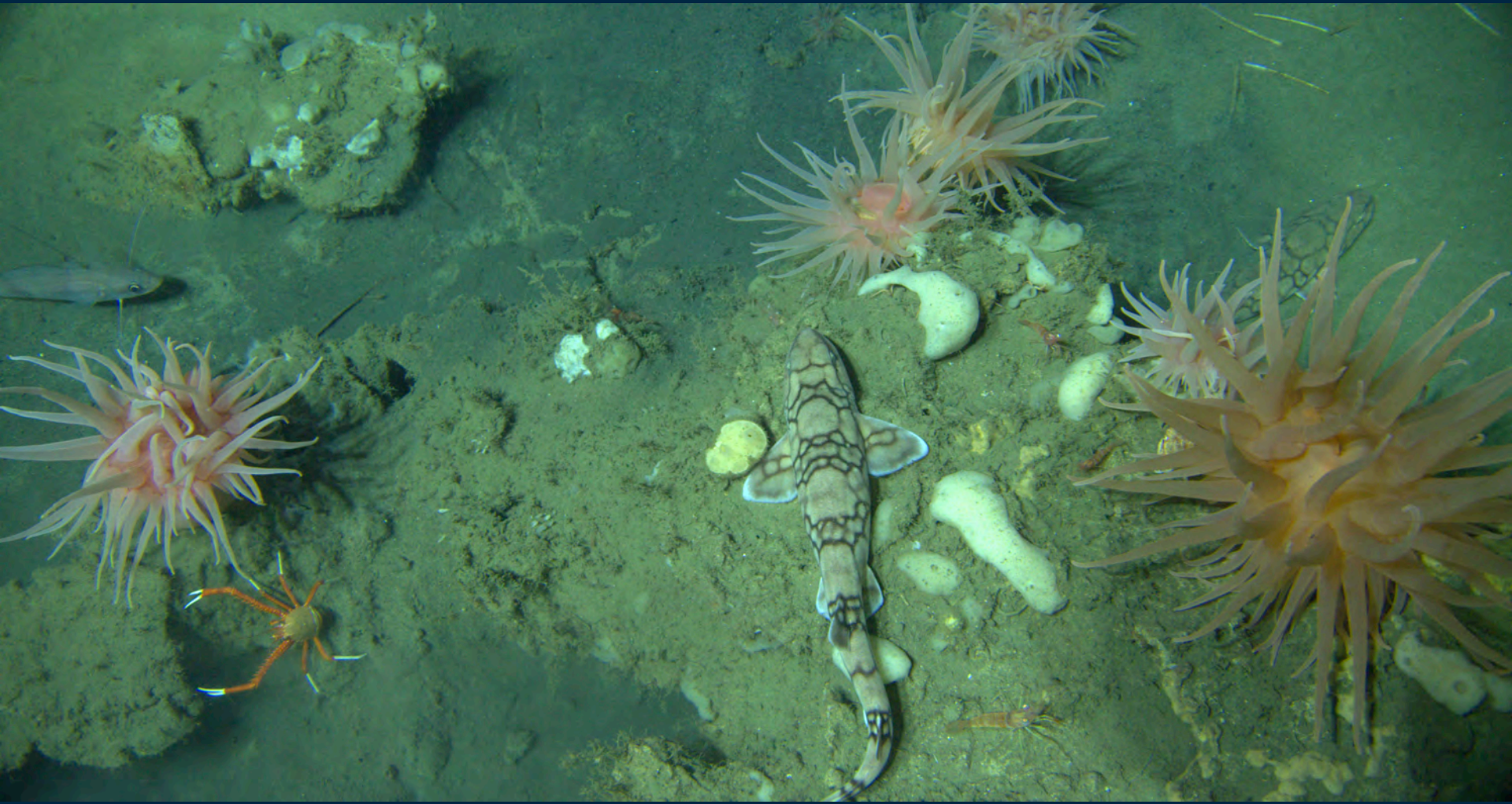
# AIVL Imaging Support Systems

4

- AIVL Imaging Support Systems
  - High Power & Multi-spectral LED Lighting Systems
  - Active Fiber Optic Wavelength Multiplexor System
  - HDTV and UHDTV Uncompressed Recording Systems
  - HDTV And UHDTV Compressed Recording Systems
  - External Underwater HDTV and UHDTV Recording Systems
  - Structure from Motion Imaging Systems
  - ROV Fiber Optic Telemetry Systems







Advanced Imaging and Visualization Laboratory (AIVL)  
Woods Hole Oceanographic Institution (WHOI)



Advanced Imaging and Visualization Laboratory (AIVL)  
Woods Hole Oceanographic Institution (WHOI)

For more information please contact:  
William N. Lange - [wlange@whoi.edu](mailto:wlange@whoi.edu)  
Evan Kovacs - [ekovacs@whoi.edu](mailto:ekovacs@whoi.edu)

