

# Imagery Training Update

**NDSF** NATIONAL  
DEEP SUBMERGENCE  
FACILITY



# NDSF Operators Workshop on Imaging

Objective: Provide awareness and functional training on best practices intended to produce high quality imaging from NDSF vehicles

Marine Imaging Technologies Inc.

- Long term relationships with various WHOI labs
- Team members have done multiple cruises with Jason, Alvin and many more on non NDSF vehicles
- Worked to develop numerous camera systems within and outside of WHOI
- Team has been involved in hundreds of image based surveys over several decades and worked with nearly all types of imaging platforms including submersibles, ROV, AUV, Diver

Training Presented by Evan Kovacs, Maryann Kovacs, Matt Blute and Brett Seymour

# Video & Camera Fundamentals Workshop

Class is Broken up into 4 sections:

1. Intro/Imaging History/Context/Rationale for Class and Description of End Goals
2. Technical - Description of the many functions, features that go into designing and choosing an imaging system: Holistic approach of an imaging system.
3. Operations - The largest and most in depth section of training. Get into the nuts and bolts of using camera, lighting, vehicles, camera controls, and communication to effectively get better overall shots for long term science use. Discusses need for “Person in Charge” of imaging from science party and how to give that person the tools to be effective and successful.
4. Where applicable a “Hands On” portion which is under development but ideas are hands on work with Jason/Alvin systems, topside use of cameras to better understand lens/camera relationships.