

Finished Slides:

Finn Morrison, WHOI

Sarah Kaye, C4IT USCG

Sam Richards, OSU

Kevin Jerram, UNH Multibeam Advisory Committee

Nick Benz, UCSD Shipboard Instrumentation Group

Royhon Agostine, UCSD ResTech

REMOTE Aaron Mau, UCSD Specialized Services

Lance Frymier, UH

Emmett Dixon, UW

Don Cucchiara, MIAMI RSMAS

Andrew Goulart, UHDAS

Morgan Hudgins, UGA

Lucas Merlo, Stony Brook

Ethan Roth, UAF

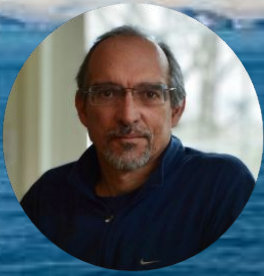
Bonny Clark, URI

REMOTE Cody Bahlau, LDEO

REMOTE Stian Alesandrini, SOI

REMOTE Doug Ricketts, Minnesota

SSSG R/V Neil Armstrong & R/V Atlantis



David Fisichella



Sarah Fuller



Chris Griner



Robbie Laird



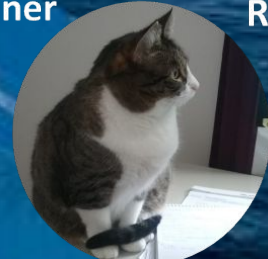
Sonia Brugger



Emily Cheung



Catie Graver



Paula Eissmann



Croy Carlin



Ella Cedarholm



Allison Heater



Finn Morrison

U.S. Coast Guard C5I Polar IT

**Rajendra (Raj)
Patel**
Branch Chief



Tom Gomez
Deputy Chief



Sarah Kaye
Senior Network
Administrator



Jeff Hardwick
Network Administrator



Brian Nuttall
Network
Administrator



Thomas Donovan
Network Administrator



Andrew Woogen, Brandon
D'Andrea, Emily Shimada,
Michael Tepper-Rasmussen,
Sam Richards, Tyler Peterson



Oregon State
University

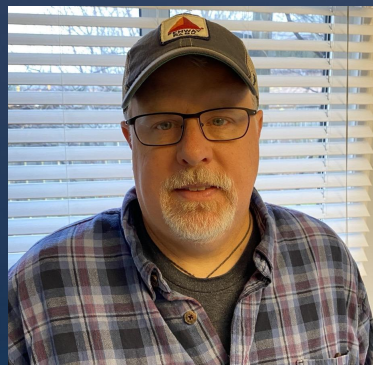
- Supporting science throughout the UNOLS fleet, including ROV Jason and *USCGC Healy*
- Sailed *R/V Oceanus* to Mexico
- Getting up to speed on tech for *R/V Taani*!



Multibeam Advisory Committee (MAC)



mac.unols.org



Paul Johnson¹



Vicki Ferrini^{2,1}



Kevin Jerram¹

mac-help@unols.org

¹ Center for Coastal & Ocean Mapping, University of New Hampshire








² Lamont-Doherty Earth Observatory, Columbia University

Supported under NSF Grants: 1933720, 1933776

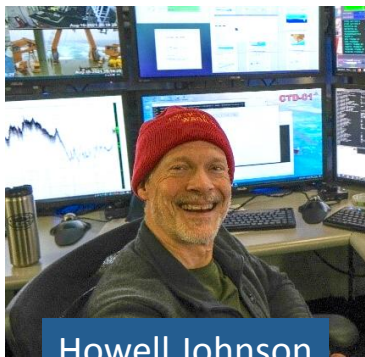


COLUMBIA CLIMATE SCHOOL
LAMONT-DOHERTY EARTH OBSERVATORY

Multibeam Sonar Systems

	Ship Info	Sonar System Info	MAC Resources
	Atlantis (WHOI)	Kongsberg EM124 (12 kHz, 150°, 1x1° beams)	MAC Technical Docs
	Blue Heron (UMN)	Reson SeaBat 8101 (240 kHz, 150°)	Coming Soon!
	Healy (USCG)	Kongsberg EM122 (12 kHz, 150°)	MAC Technical Docs
	Hugh R. Sharp (UDEL)	Reson SeaBat 7125 (200 kHz, 400kHz, 150°)	MAC Technical Docs
	Kilo Moana (UH)	Kongsberg EM122 (12 kHz, 150°) Kongsberg EM710	MAC Technical Docs
	Knorr (retired) (WHOI)	SeaBeam 2112 (12 kHz, 120°)	
	Marcus G. Langseth (LDEO)	Kongsberg EM122 (12 kHz, 150° swath, 1x1° beams)	MAC Technical Docs

STS Shipboard Instrumentation Group



Howell Johnson



Maya Thompson



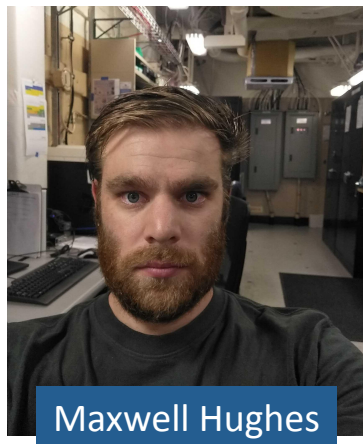
Murray Manchanthasouk



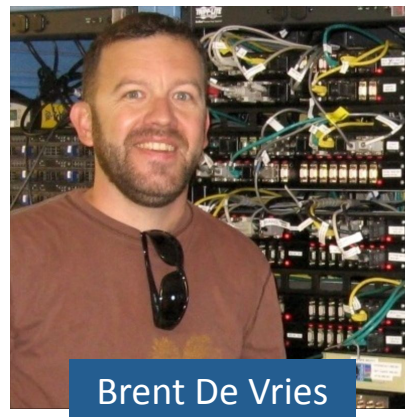
Michael Buxton



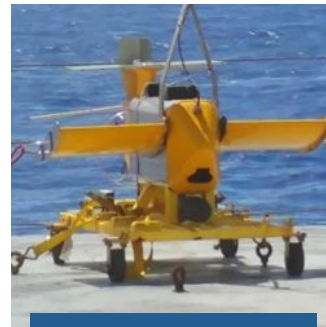
Nick Benz



Maxwell Hughes



Brent De Vries



Mary Huey

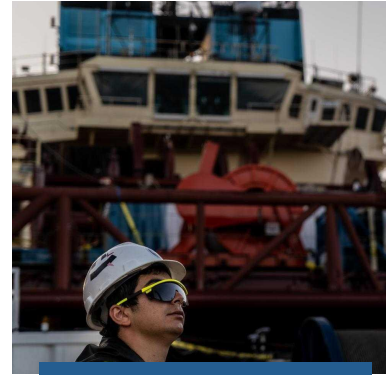
STS Research Technicians



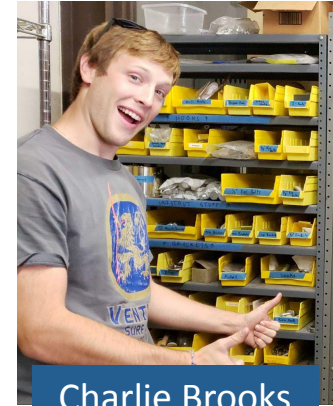
Josh Manger



Jeremiah Brower



Royhon Agostine



Charlie Brooks



Mason Schettig



Andrew Naslund



Ian Messer



Noah DesRosiers

Scripps Specialized Services



sts-sio-odf@ucsd.edu | odf.ucsd.edu

ODF is a specialized services group comprised of data analysts and chemistry technicians

At Sea

- Acquire and process high-resolution open ocean CTD data
- Water sample collection and high-accuracy chemical analysis for salinity, oxygen, and nutrients

On Shore

- Analyze nutrients, dissolved oxygen, salinity, and chlorophyll for PIs through the oceanography community
- Continued development of in-house CTD/Python software [ctdcal](#)



Todd Martz



Susan Becker



Kelcey Chung



Megan Roadman



Tania Leung



Mike



Aaron



Scripps Specialized Services



sts-sio-odf@ucsd.edu | odf.ucsd.edu

Calibration Lab

- Calibrate, troubleshoot, and maintain sensors for SIO
- CTD, meteorological, and more



John
Calderwood



Mike
Kovatch



Aaron
Mau



+1 Fall
2022

Shipboard Geophysical Group

- Seismic services
- Provide tech and operational support for researchers



Max
Hughes



Nick
Benz



Doug
Penny



UNIVERSITY OF HAWAII OCEAN TECHNOLOGY GROUP



Kilo Moana

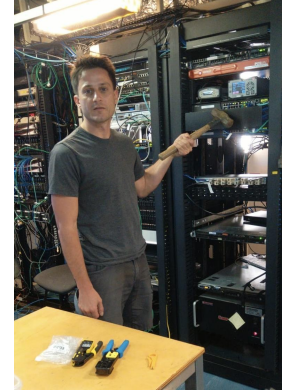


Lance Frymire

James



Jeff Koch



Trevor Young

Marine Technicians aboard the Kilo Moana pictured above.

UW Technician Team

Stephen Jalickee



Jennifer Nomura



Josh Allan



Camera Shy:
Ken Feldman
Mike Foy

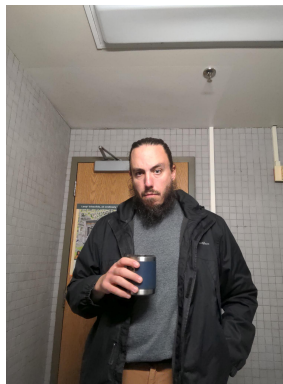
Loren Tuttle



Emmett Dixon



Adam Stenseth



Liz Ricci



University of Miami

Rosenstiel School of Marine, Atmospheric & Earth Science

Marine Technology Group

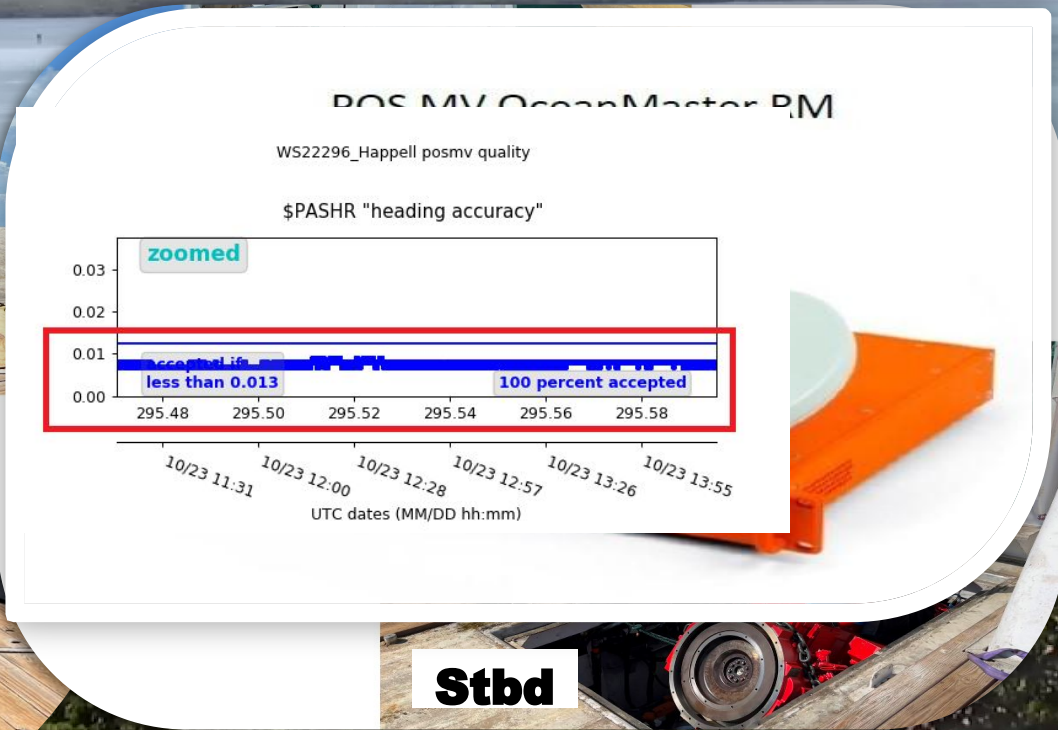


Don
Cucchiara

Alesha
Gregoire

Jocy
Morejon

Denis
Ilias



Stbd

mtgtech@miami.edu

<https://www.earth.miami.edu/about-us/administration/marine-operations>

UHDAS ERIC



TOBY



ANTONIO



JOSEPH



DREW



JULES



ADCP



R/V SAVANNAH

About Me

Morgan Hudgins

- CFCC Marine Technology Graduate
- MATE Intern- RVAE

Ship Operations

- 135 Days for 2022
- Two 30-day cruises in the Gulf

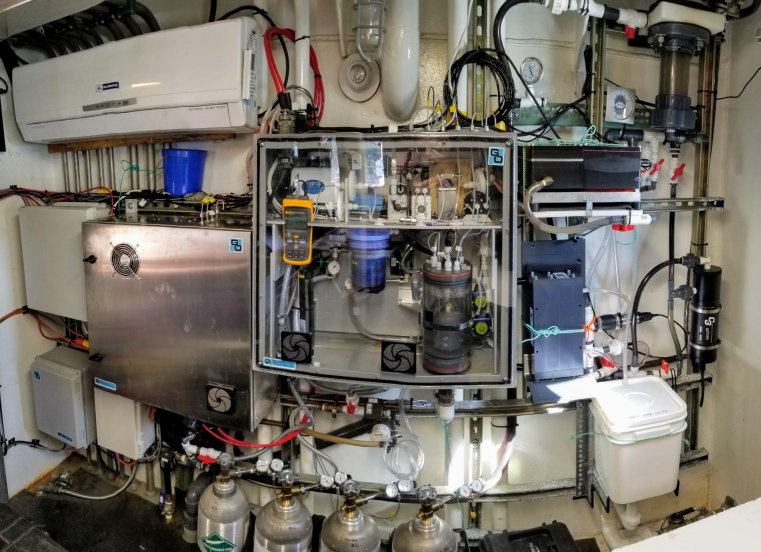




Stony Brook University
School of Marine and
Atmospheric Sciences

RVTEC 2022 Seattle





UAF – R/V *Sikuliaq*



- Ethan Roth
- John Haverlack
- Steve Roberts
- Carmen Greto
- Bern McKiernan
- Dan Naber
- Jeffery Simonson



Lynne Butler
Marine Technician



Erich Gruebel
Manager,
Marine Technical Services



RV Endeavor

University of Rhode Island



Bonny Clarke
Marine Technician



Marshall Kormanec
Marine Technician

RV MARCUS G LANGSETH

LAMONT DOHERTY EARTH OBSERVATORY



Sean Higgins
OMO
Director



Jesus Gaytan
Tech Services
Manager
Joined 2020



David Martinson
Science Officer
(onshore)
Joined 2008, retiring 2020



Alan Thompson
Science Officer
(onshore)
Joined 2014



Todd Jenvold
Chief Science
Officer
Joined 2016



Gilles Guerin
Instrument
Technician
Joined 2000



Cody Bahlau
Instrument
Technician
Joined 2020

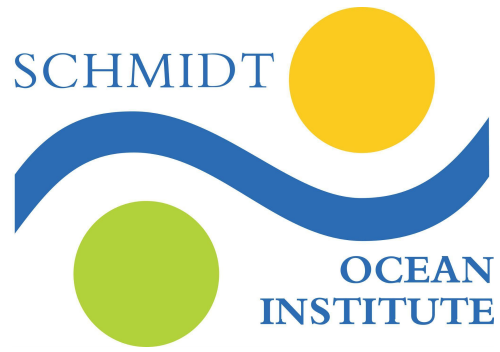


Joshua Kasinger
Source/Deck
Technician
Joined 2014



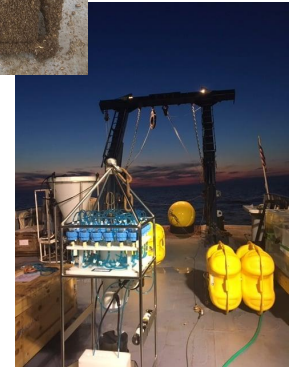
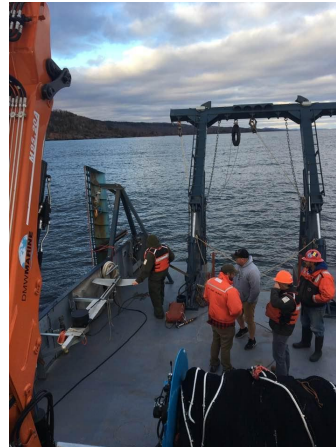
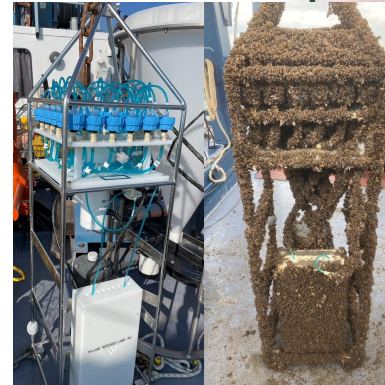
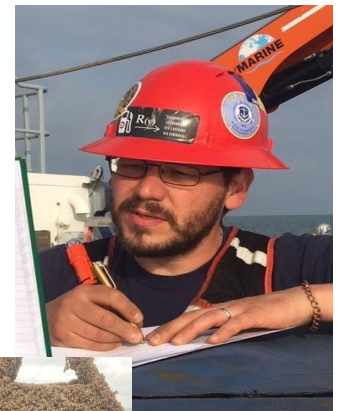
Brian Agee
Source/Deck
Technician
Joined 2020

HIRING: [HTTPS://OPPORTUNITIES.COLUMBIA.EDU/JOBS/SEARCH?PAGE=1&QUERY=LAMONT-DOHERTY+EARTH+OBSERVATORY](https://opportunities.columbia.edu/jobs/search?page=1&query=LAMONT-DOHERTY+EARTH+OBSERVATORY)



RV Blue Heron – Marine Technical Services – Jason Agnich

- Big year for us – 90 days on the water – on Lakes Superior, Huron, Michigan and Erie.
- Had help from Scripps (Maya Thompson) and the Tech pool (Laurie Roy) this year.
- Deployed new/clean McLane RAS, PPS, and sed traps in August of 2021, but western Lake Erie decided that they were too clean.
- Lots of standard multicoring, CTD/Carousel casts, deploying and recovering meteorological buoys and scientific moorings but also got to recover piston cores, which we hadn't done in a number of years.
- Ended the year with class cruises and helping the MNDNR.



Mackenzie Smith, LUMCON
Christian Kernisan, UDEL
Katie Watkins Brandt, NOAA



UNOLS RVTEC MEETING

2022

Icebreakers

Look at Our Boats!



Pelican (pictured on left): 22 cruises 199 days at sea
Point Sur (white boat): 16 cruises 172 days at sea
Savannah (little light blue boat): Not ours. But she cute.

RV Hugh R. Sharp

University of Delaware



Jon Swallow: Director of Marine Operations

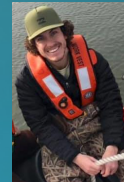


Tech Coordinator: Tim Deering

Senior Tech: Christian Kernisan

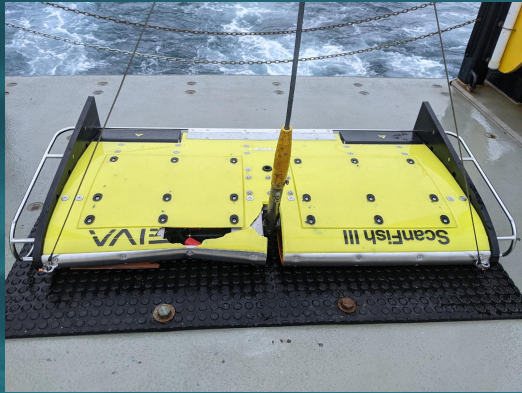


Junior Tech: Hunter Tipton



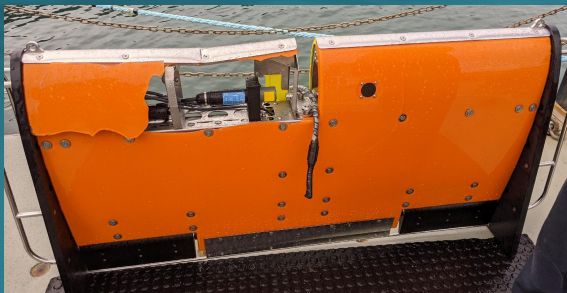
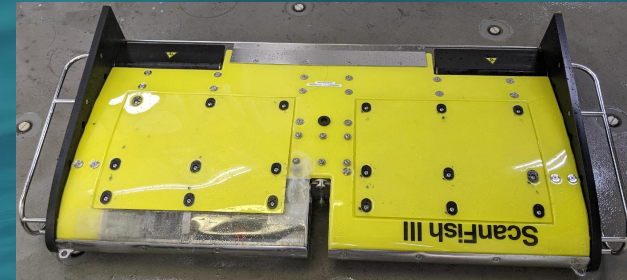
RV Hugh R. Sharp

BEFORE



Christian Kernisan

AFTER





NOAA Technicians at RVTEC



Elysha Agne
Reuben Lasker



Jaclyn Mazzella
Reuben Lasker



Benjamin Barbee
Nancy Foster



Colin Schmidt
Relief Pool



Heather Rippman
Relief Pool



Christina Brooks
Rainer

Jonathan Witmer, Shimada
Kathryn Huchton, Shimada
Bailey Shrader, Fairweather
Matthew Luka, Fairweather
Iogen Flem, Fairweather
Katherine McGinnis, Bigelow
Justin DaSilva, Bigelow
Samantha Martin, Foster
Charlie Wilkins, Okeanos
Andrea Stoneman, Dyson
Megan Shapiro, Dyson
Ben Bagwell, Dyson
Nich Sucher, Sette
Todd Walsh, Pisces
James Jacobson, Rainier
Barry Jackson, Rainier
Melissa Weber, Rainier
Thomas Murphy, Rainier
Lane Daigle, Rainier
Franco Pilone, Rainier
Brian Mershon, Rainier
Jody Stecher, Brown
Joan Binilla-Pagan, Brown
Heather Spiliane, Brown
Erin Cziraki, Thomas Jefferson
Chloe Arboleda, Thomas Jefferson
Audrey Jerauld, Thomas Jefferson
Sarah Thompson, Thomas Jefferson
Sophie Cardadine-Taber, Thomas Jefferson
Kevin Suarez, Thomas Jefferson
Danielle Powers-Warren, Relief Pool
Stephanie Stabile, Relief Pool
Shane Mallory, Relief Pool
Bryce Dewees, Relief Pool