

Cruise Plan: MBA-MBARI MiniROV

Vessel: R/V Fulmar

Project: Collecting midwater animals using the MiniROV to support the Into The Deep / En lo Profundo exhibit at the Monterey Bay Aquarium.

Prepared by: Wyatt Patry
Last modified: 2024-10-27
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Details

Planned number of vessel use days (incl. mobilization and demobilization): 9
Planned Dive Operations: No

Cruise purpose:
Gelatinous zooplankton collections for MBA Into the Deep exhibition.

Notes:
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Day 1: 2024-11-12

Itinerary		Detailed procedures to be performed	
MOB		Transit to MBARI Load miniROV on to Fulmar	
Locations	Personnel	Equipment	
- MBARI Dock -- Point	x	- Mini ROV - ROV Generator - ROV Power Supply - ROV Server Racks - ROV Smart Clump - ROV Tether Spool and Winch - Specimen cooler	

Day 2: 2024-11-13

Itinerary		Detailed procedures to be performed	
Finish MOB if needed and transit back to Monterey.		Finish MOB. Transit to Monterey.	
Locations	Personnel	Equipment	
- South 1600m Start: 36.569350 x 1600m line bearing -- Trackline -122.145733 250 degrees (Study location) End: x	- Frank Flores - Josh Gunn - Dave Lott - James McClure - Alana Sherman - Johann Voigtlander	- Mini ROV - ROV Generator - ROV Power Supply - ROV Server Racks - ROV Smart Clump - ROV Tether Spool and Winch - Specimen cooler	

Day 3: 2024-11-14

Itinerary		Detailed procedures to be performed	
Collections with MiniROV at South1600m site		0730 Meet at dock 0745 Safety Briefing	

0800 Transit to South 1600m site
0900 Deploy miniROV
1130 Retrieve miniROV
1200 Lunch
1300 Deploy miniROV weather allowing
1500 retrieve miniROV
1630 Back at dock

Locations

- South 1600m Start: 36.569350 x 1600m line bearing
-- Trackline -122.145733 250 degrees
(Study location) End: x

Personnel

- Cristian Arguerra
- Raymond Direen
- Frank Flores
- Josh Gunn
- Thomas Knowles
- Dave Lott
- James McClure
- Wyatt Patry
- Alana Sherman
- Johann Voigtlander

Equipment

- Mini ROV
- ROV Generator
- ROV Power Supply
- ROV Server Racks
- ROV Smart Clump
- ROV Tether Spool and Winch
- Specimen cooler

Day 4: 2024-11-15

Itinerary

Collections with MiniROV at South1600m site

Detailed procedures to be performed

0730 Meet at dock
0745 Safety Briefing
0800 Transit to South 1600m site
0900 Deploy miniROV
1130 Retrieve miniROV
1200 Lunch
1300 Deploy miniROV weather allowing
1500 retrieve miniROV
1630 Back at dock

Locations

- South 1600m Start: 36.569350 x 1600m line bearing
-- Trackline -122.145733 250 degrees
(Study location) End: x

Personnel

- Mackenzie Bubel
- Frank Flores
- Josh Gunn
- Thomas Knowles
- Dave Lott
- James McClure
- Wyatt Patry
- Alana Sherman
- Johann Voigtlander

Equipment

- Mini ROV
- ROV Generator
- ROV Power Supply
- ROV Server Racks
- ROV Smart Clump
- ROV Tether Spool and Winch
- Specimen cooler

Day 5: 2024-11-18

Itinerary

Collections with MiniROV at South1600m site

Detailed procedures to be performed

0730 Meet at dock
0745 Safety Briefing
0800 Transit to South 1600m site
0900 Deploy miniROV
1130 Retrieve miniROV
1200 Lunch
1300 Deploy miniROV weather allowing
1500 retrieve miniROV
1630 Back at dock

Locations

- South 1600m Start: 36.569350 x 1600m line bearing
-- Trackline -122.145733 250 degrees
(Study location) End: x

Personnel

- Frank Flores
- Josh Gunn
- Dave Lott
- James McClure
- Wyatt Patry
- Alana Sherman

Equipment

- Mini ROV
- ROV Generator
- ROV Power Supply
- ROV Server Racks
- ROV Smart Clump
- ROV Tether Spool and Winch

- Ellen Umeda
- Johann Voigtlander

- Specimen cooler

Day 6: 2024-11-19

Itinerary

Collections with MiniROV at South1600m site

Detailed procedures to be performed

0730 Meet at dock
0745 Safety Briefing
0800 Transit to South 1600m site
0900 Deploy miniROV
1130 Retrieve miniROV
1200 Lunch
1300 Deploy miniROV weather allowing
1500 retrieve miniROV
1630 Back at dock

Locations

- South 1600m Start: 36.569350 x 1600m line bearing
-- Trackline -122.145733 250 degrees
(Study location) End: x

Personnel

- Evan Firl
- Frank Flores
- Josh Gunn
- Thomas Knowles
- Dave Lott
- James McClure
- Wyatt Patry
- Alana Sherman
- Ellen Umeda
- Johann Voigtlander

Equipment

- Mini ROV
- ROV Generator
- ROV Power Supply
- ROV Server Racks
- ROV Smart Clump
- ROV Tether Spool and Winch
- Specimen cooler

Day 7: 2024-11-20

Itinerary

Collections with MiniROV at South1600m site

Detailed procedures to be performed

0730 Meet at dock
0745 Safety Briefing
0800 Transit to South 1600m site
0900 Deploy miniROV
1130 Retrieve miniROV
1200 Lunch
1300 Deploy miniROV weather allowing
1500 retrieve miniROV
1630 Back at dock

Locations

- South 1600m Start: 36.569350 x 1600m line bearing
-- Trackline -122.145733 250 degrees
(Study location) End: x

Personnel

- Mackenzie Bubel
- Raymond Direen
- Frank Flores
- Josh Gunn
- Dave Lott
- James McClure
- Wyatt Patry
- Alana Sherman
- Johann Voigtlander

Equipment

- Mini ROV
- ROV Generator
- ROV Power Supply
- ROV Server Racks
- ROV Smart Clump
- ROV Tether Spool and Winch
- Specimen cooler

Day 8: 2024-11-21

Itinerary

Collections with MiniROV at South1600m site

Detailed procedures to be performed

0730 Meet at dock
0745 Safety Briefing
0800 Transit to South 1600m site
0900 Deploy miniROV
1130 Retrieve miniROV
1200 Lunch
1300 Deploy miniROV weather allowing

1500 retrieve miniROV
1630 Back at dock

Locations

- South 1600m Start: 36.569350 x 1600m line bearing
-- Trackline -122.145733 250 degrees
(Study location) End: x

Personnel

- Cristian Arguerra
- Evan Firl
- Frank Flores
- Josh Gunn
- Dave Lott
- James McClure
- Wyatt Patry
- Alana Sherman
- Ellen Umeda
- Johann Voigtlander

Equipment

- Mini ROV
- ROV Generator
- ROV Power Supply
- ROV Server Racks
- ROV Smart Clump
- ROV Tether Spool and Winch
- Specimen cooler

Day 9: 2024-12-02

Itinerary

DeMOB miniROV at MBARI

Detailed procedures to be performed

Transit to MBARI
Begin unloading miniROV

Locations

- MBARI Dock -- Point

x

Personnel

- Frank Flores
- Josh Gunn
- Dave Lott
- James McClure
- Wyatt Patry
- Alana Sherman
- Johann Voigtlander

Equipment

- Mini ROV
- ROV Generator
- ROV Power Supply
- ROV Server Racks
- ROV Smart Clump
- ROV Tether Spool and Winch
- Specimen cooler

Appendix

Project Personnel Roster

(Personnel to be present on each day of cruise listed above)

Name	Affiliation	DAN #	Emergency Contact
Cristian Arguerra	MBA	--	Sara Namay 818-355-1210
Mackenzie Bubel	Monterey Bay Aquarium	--	Roger Bubel 707-738-4131
Raymond Direen	Monterey Bay Aquarium	--	Justine Garcia (girl friend) 805-478-5779
Manny Ezcurra	Monterey Bay Aquarium	--	Roxanne Buck Ezcurra 831-809-8646
Evan Firl	Monterey Bay Aquarium	--	Cynthia Firl 9092979385
Frank Flores	MBARI	--	Tammy Flores 831-206-1663
Josh Gunn	WCRO/CPC	--	Harumi Gunn (Spouse) 818-903-8326
Michael Howard	Monterey Bay Aquarium	--	Emily Howard 831-238-2902

