S-MODE

SHIP OPERATIONS DEPLOYMENT GUIDE

NEWPORT, OR and SAN DIEGO, CA

NASA Earth Science Project Office

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This guide was created to provide information on ship mobilization, cruise operations, and logistics for the S-MODE Fall 2022 research cruise.

The full S-MODE schedule showing all research platforms can be found at https://espo.nasa.gov/s-mode/calendar. The schedule for the M/V Bold Horizon is as follows:

Arrival in Newport: October 1 - 2  
*Note: All personnel and equipment should arrive in Newport no later than Oct 2.*

Ship mobilization: October 3 - 4  
*Note: All members of the science party will remain on the ship after boarding on Oct 4. All meals and accommodations will be provided on the ship.*

Cruise: October 5 - 31  
De-mobilization: November 1

After the ship departs Newport, it should take approximately 2 days to reach the science operations area, which is shown below.

*Fig. 1 - Approximate S-MODE operations area for the Fall 2022 IOP-1 field campaign.*
ARRIVAL AND LOCAL INFORMATION

For its Fall 2022 field campaign, S-MODE will utilize the M/V Bold Horizon for all shipborne science operations. The M/V Bold Horizon will sail from the Port of Newport International Terminal and return to the 10th Avenue Marine Terminal in San Diego, CA.

Here are some quick facts and important information regarding ship operations in Newport:

- The most up-to-date roster for the Oceanus science party as well as a diagram of the ship's sleeping quarters can be found at [Bold Horizon 2022 cruise participant list](#).
- The same spreadsheet will have information on our travel plans. Please consider carpooling!
- The two major airports closest to Newport, OR are Eugene Airport (EUG) (81 mi., 1.75 hours) and Portland International Airport (PDX) (146 mi., 2.5 hours).
- Upon arrival in Newport, check in with Andrey Shcherbina, cell phone (206) 427-1062.
- The shipping address for the Newport International Terminal is:
  
  Newport International Terminal  
  1510 SE Bay Blvd.  
  Newport, OR 97365  
  ATTN: S-MODE Cruise/Don Moon (541) 961-6010

- Links to Local Maps and Other General Information
  - [Port of Newport, OR](#)
  - [Port of Newport, OR - Weather](#)

OPERATIONS

M/V BOLD HORIZON


COMMUNICATIONS

A daily plan of the day (POD) and any other pertinent information regarding the S-MODE field campaign will be shared on multiple platforms, including email, the [ESPO S-MODE website](#), and the [UW S-MODE Google Drive](#).

If you are having trouble accessing any of these platforms or need to be added to the email list serve, please contact [erin.czech@nasa.gov](mailto:erin.czech@nasa.gov).

LODGING

HOLIDAY INN EXPRESS NEWPORT

For Bold Horizon mobilization in Newport, OR, ESPO has set up a room block at the Holiday Inn Express Newport. Rates are $131 + tax nightly.
Reservations may be made by clicking on the link below, or calling the hotel directly and asking to make a reservation under group code SMM. Please note that the cutoff date for these reservations is **Friday, September 16, 2022**. After this, date rates and availability may no longer apply. To make your online reservation simply click on the link below and hit the orange ‘Check Availability’ button located at the top of the home page. Enter your arrival and departure dates then again click on the orange ‘Check Availability’ button just to the right. Group rates for this event will appear.


If you have any lodging questions, please email erin.czech@nasa.gov.

**Holiday Inn Express Newport**
Address: 135 SE 32nd St, Newport, OR 97365
When: October 1-6, 2022
Last Day to Book: Friday, September 16, 2022
Studio Room Rate: $131 per night
Front Desk: 541-867-3377

**Holiday Inn San Diego - Bayside**
For *Bold Horizon de-mobilization* in San Diego, CA, ESPO has set up a room block at the **Holiday Inn San Diego - Bayside**. Rates are $161 + tax nightly.

Reservations can be made by clicking on the link below or calling 1-800-662-8899 and identifying yourself as part of the **S-MODE Research Cruise** group. Please note the cutoff dates for the room block listed below. After the cutoff dates, rates and availability may no longer apply.

Book your reservation for the **Holiday Inn San Diego - Bayside**

If you have any lodging questions, please email erin.czech@nasa.gov.

**Holiday Inn San Diego - Bayside**
Address: 4875 N Harbor Dr, San Diego, CA 92106
When: October 31 - November 4, 2022
Last Day to Book: Friday, September 30, 2022
Room Rate: $161 per night
Front Desk: 619-224-3621

**LOCAL MEDICAL AND EMERGENCY INFORMATION**

**Emergency Room - Newport, OR**

**Samaritan Pacific Communities Hospital**

930 SW Abbey St, Newport, OR 97365
Phone: 541-265-2244

Emergency care is available 24 hours a day, seven days a week. If you are having a medical emergency, call 911.
Scripps Mercy Hospital San Diego

4077 Fifth Ave, San Diego, CA 92103
Phone: 619-294-8111

Emergency care is available 24 hours a day, seven days a week. If you are having a medical emergency, call 911.

GENERAL CRUISE SAFETY

Safety Management Manual for M/V Bold Horizon

S-MODE POINTS OF CONTACT

1. Chief Scientist
   Andrey Shcherbina
   University of Washington
   Mobile: (206) 427-1062
   Email: shcher@uw.edu or ashcherbina@apl.uw.edu

2. PI
   Tom Farrar
   Cell: (508) 524-0501
   Email: jfarrar@whoi.edu

3. Project Management
   Erin Czech, S-MODE Project Manager
   Cell: (650) 499-6406
   Email: erin.czech@nasa.gov

APPENDIX A. COVID-19 HEALTH SAFETY PLAN

The S-MODE management team has worked with M/V Bold Horizon ship operations to establish best practices to minimize exposure to COVID-19 prior to mobilization and during all phases of the research cruise. For everyone’s safety and for the success of the mission, we request that everybody strictly adhere to the following plan. Please speak with the chief scientist or the ship’s captain if you have any questions/concerns.

A.1. COVID-19 SYMPTOMS

The following symptoms may appear 2-14 days after exposure¹:
   ● Fever or chills

● Cough
● Shortness of breath or difficulty breathing
● Fatigue
● Muscle or body aches
● Headache
● New loss of taste or smell
● Sore throat
● Congestion or runny nose
● Nausea or vomiting
● Diarrhea

A.2. SELF-MONITORING AND TESTING PERIOD

With regard to COVID-19, all members of the science party should exercise great caution prior to traveling to Newport, during travel, and while in Newport.

1. 10-14 days prior to mobilization, the project recommends that all science party members take a baseline PCR test. If positive, follow the CDC guidance at https://www.cdc.gov/coronavirus/2019-ncov/your-health/isolation.html.
2. Starting 7 days prior to mobilization, all members of the science party will begin pre-travel safety measures:
   ● Daily symptom checking
   ● If during the 7-day pre-boarding period a person develops a symptom indicative of COVID-19, a PCR or other CDC recognized Nucleic Acid Amplification Test (NAAT) test must be conducted.2
     ○ If positive: The person should not sail
     ○ If negative: The Operator and Chief Scientist may consider allowing the person to sail if they can get informed consent of other crew/science party.
   ● Reduce chances of infection by masking and avoiding contact. If contact with an infected person is suspected, one or more rapid antigen test should be done starting 3 days after the contact.
3. 1-2 days before travel to Newport, take a rapid PCR test. If positive, stay at home.3
4. A COVID-19 Health Declaration Form will be sent to all members of the science party and must be completed and returned 24 hours prior to boarding the ship.
5. 1 day prior to sail, everyone will be required to take a NAAT test. These tests will be provided by the project. If positive, return to your hotel and follow CDC guidance at https://www.cdc.gov/coronavirus/2019-ncov/your-health/isolation.html.
6. 3 days after departure, everyone will be required to take a rapid antigen test. The project will provide a large quantity of rapid antigen test for the cruise both for this required test and for people’s voluntary use during the cruise.

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2 If you have documented evidence that you have recovered from COVID-19 more than 10 days prior and fewer than 40 days, please consult with the chief scientist on any required PCR testing.
3 See Footnote 2
Self-Monitoring and Testing schedule:

NLT Sep 20: PCR test (recommended)
Sep 26: Begin safety measures and daily symptom checking
Sep 29 or Sep 30: Rapid PCR test (required)
Oct 1: Travel to Newport
Oct 2: Complete and submit COVID-19 Health Declaration Form
Oct 4: NAAT test (required)
Oct 8: Rapid antigen test (required)

If during this period, you test positive for COVID-19, or if you had close contact with someone who tests positive, please notify Andrey/Tom/Erin immediately.

A.3. TRAVEL TO NEWPORT

Most of the science party will be flying to Portland or Eugene airports. Please ensure that you book a flight with the minimum number of layovers.

Please make sure that you pack a thermometer. You will need this in Newport and on the cruise to monitor your health.

1. N95 or KN95 masks should be worn during travel to the ship on public transportation
2. MOB procedures should minimize contact between tested and untested individuals. Masking will be required inside during MOB.
3. N95 or KN95 masks should be worn inside during first week of cruise.

A.4. MEETING THE SHIP

The science party will move to the ship on October 4. Science party members may carpool if they choose to.

Ensure you have everything you need and all of your belongings with you as you will not be leaving the vessel once you board until your scheduled debarkation at the end of the cruise. Berthing, food, etc. will all be provided onboard. All hands, shore and ship, will practice social distancing and wear masks during the loading. The ship will depart Newport on October 5.

A.5. WHILE ABOARD

COVID-19 protocols while on the ship can be found below in Eclipse Group Inc’s COVID Precautions and Procedures