

Welcome Aboard!



RV FALKOR
Science Party Orientation

Overview

- Introduction and House Rules by the Captain
- Introduction of the Science Party
- General Introduction by the Purser
- Safety & Medical by the Safety Officer
- Lab, Control Room and IT introduction by Lead Marine Technician
- Guided Ship Tour by Purser and Safety Officer

House Rules

- Security In Port / Curfews
 - (door access code)
- Smoking Policy
- Alcohol Policy
- Securing of Equipment
- Weather Forecast
- Bridge Visits
- Departure Time / All-Aboard Time
- Schedule for the Coming Days – Google Calendar
- Welcome BBQ for All-Hands

Feedback

Your feedback about the introduction, the cruise and everything we do aboard Falkor is requested after the introduction and at any time during the cruise – please don't wait until the post-cruise debrief/feedback forms.

Science Party Introductions

- Name
- Affiliation
- Background
- What will you be doing on board?



General Shipboard Behavior

Life aboard ship is different in many ways to land:

- Secure or safely stow belongings – prevent damage & noise
- You have a lockable safe for your use in your cabin
- We work 24/7 at sea – someone is always resting/sleeping
- Never leave doors half open – prevent injury and slamming
- Only toilet paper and bodily waste goes into the sewage system
- Call the Bridge at any time if in doubt:
 - Unusual noise
 - Unusual smell
 - System isn't working

500 / 911

Meal Times

- Breakfast: 07:00-07:30 in port
07:00-08:00 at sea
- Lunch : 12:00-13:00 in port
11:30-13:00 at sea
- Dinner: 17:30-18:30 in port
17:30-19:00 at sea
- Night Shift: 23:30 – 00:30 (by request only)
- Cold cuts & cheese are always available in the fridge.
- Snack cupboard, bread bin and fruit also at your disposal.
- If science party is busy during meal times, we can portion food and leave it in the buffet cooler. We do not plate up and keep heated for extended periods (unsafe food handling practice).

Scullery



Laundry

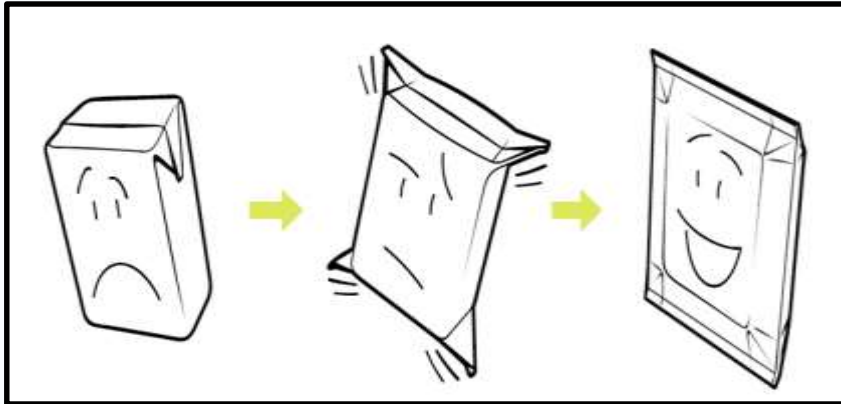
- Three laundry bags for different fabric colors:



- **Do not use the laundry bags for science. 😊 If you need anything from Interior for science, please ask the Purser. Thanks!**
- Fill bag loosely, no further than the **red line** -----
- Will be done the same day if brought to Laundry early in the morning
- Bed sheets and towels at least once per week, at your convenience
- Self service after **16:00**: Only use a small amount of detergent!

Garbage

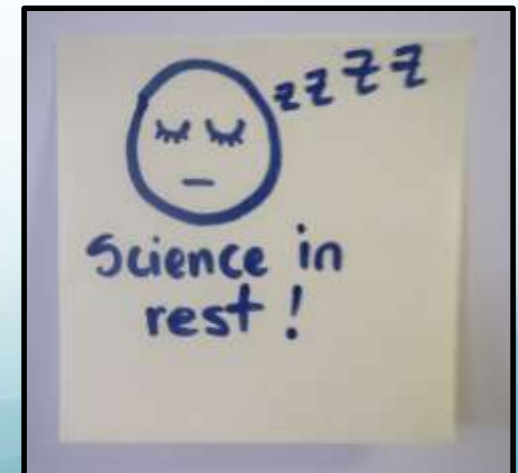
- We separate garbage in labeled bins in the Mess.



- Large garbage bags go to the Cold Garbage Room. Stow bags neatly to leave enough room for the rest of cruise.
- Nothing except food goes overboard, and then only with permission from the Bridge in accordance with international and local laws.
- Garbage from Labs: separated and stored differently
Consult the Lead Marine Technician.

Cabins

- Please keep your Cabin clean and tidy.
 - Cleaning products in cabin and in the cleaning cupboard.
- **Weekly Safety Rounds** are required by international law.
- Please label your Cabin door if you are resting during scheduled rounds and we will inspect later.
- **Before disembarking, please bring bedding, towels and all laundry bags to the Laundry.**



Work and Entertainment Areas

- Pick up your mug, glass or can from your working area.
- No food or food containers in Labs and Cabins. There is only one food bin onboard, located in the Scullery.
- Cabin bins are for **PAPER ONLY**.



Gym & Sauna



- Bring used towels directly to the Laundry.
- Inform the Bridge when you are going to use the Sauna.
 - Keep the door between the sauna/changing area closed, or risk a fire alarm and unexpected visitors!
 - Report to the Bridge when you have finished.

- ✓ Passports
- ✓ Sign in Ship's Articles
- ** Crew Declaration Form
- ** Request to Remove Goods

Questions?



Safety for Work and Everyday

ID Card Board

- Positioned beside gangway – keeps a record of who is onboard/ashore.
- If you are **onboard**, the card should be facing outward with your **name visible**.
- When you go **ashore**, turn your card around so that your **name is hidden**.
- It is vital that you follow this procedure – **lives will be put at risk searching for you in the event of an emergency**.

3 Kinds of Alarms

Electronic tone on the ship's Public Address system:

- General Alarm



- Fire Alarm



- Evacuation Alarm



Abandon Ship will be ordered verbally
by the Captain or Senior Officer

Duties in the case of **Alarm in Port**

- No action required for a **Fire Alarm** – crew will investigate. Listen for the announcement confirming false alarm/fire.
- In the case of **General Alarm**, proceed to the Muster Station (on jetty beside gangway) without delay.

Duties in the case of **Alarm at Sea**

- No action required for a **Fire Alarm** – crew will investigate.
- In the case of **General Alarm** or **Evacuation Alarm**, proceed to the Muster Station (Outdoor Lounge) without delay.
- Wear long clothes covering the whole body, sturdy shoes and a hat.
- Collect essential medication, if safe to do so.
- There is a muster card in every Cabin explaining alarms and duties:



Lifejackets

Evacuation
Life Jackets



Working
Life Jackets



NOTE: Life jackets are located at the Muster Station (Outdoor Lounge), NOT in the Cabins

Immersion Suits



- High visibility red
- Retro-reflective tape
- Thermally insulating
- Buddy line
- Hoisting harness
- Do NOT provide sufficient floatation on their own (must be worn with a life jacket)

If you see somebody falling overboard

- Raise the alarm (“Deck” channel, 911, 500, Call Point).
- Throw a life ring (preferably) or anything that will float.
- Point in the persons direction and keep them in sight.
- Provide further information to the Bridge when possible.



If YOU fall overboard

- Shout, scream, yell – get attention.
- Do not try to swim any distances – stay afloat.
- Stay dressed to conserve heat/protect from elements.
- **Prevention is better than cure:**
 - **Never go out on deck alone, especially in darkness!**
 - **Wear a lifejacket if you are at risk.**

Fire Doors & Fire Detection Sensors

Fire Doors:

Can be closed locally or remotely from the Bridge.

No self-closing doors to be left open/wedged open, except with an automatic release.



Fire Detection Sensors:

Smoke detectors are sensitive to bodyspray, steam, etc. – be careful in cabins/showers/sauna!



If you discover a fire

- Raise the alarm:
 - Phone **500 or 911**
 - Call on **“Deck”** channel
 - Break **Call Point** glass
- If safe and confident, attack with extinguisher
- Close all doors if exiting



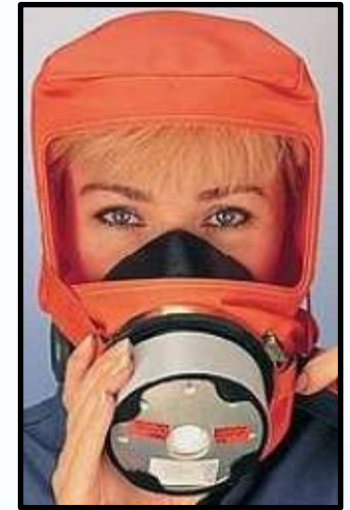
If you need to escape through smoke



OCENCO EEBD



- 15 minute duration
- Breath through mouth (use nose clip)
- Re-breather – air will get hot, this is normal!

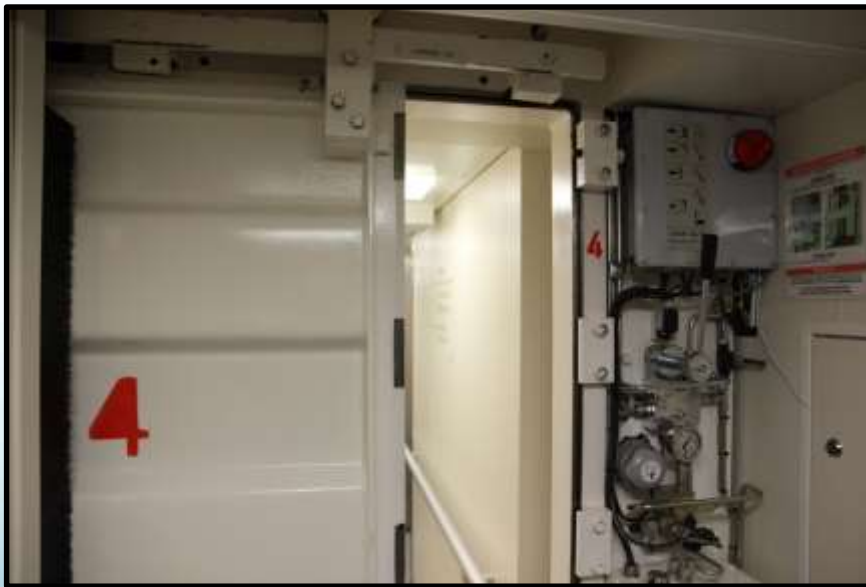


PARAT C Smoke Hood

- Filter only – no oxygen
- Protects from CO, poisonous fumes and smoke particles
- Effective for 15+ minutes

Watertight Door

- Locally Operated
- Bridge
- Emergency Station



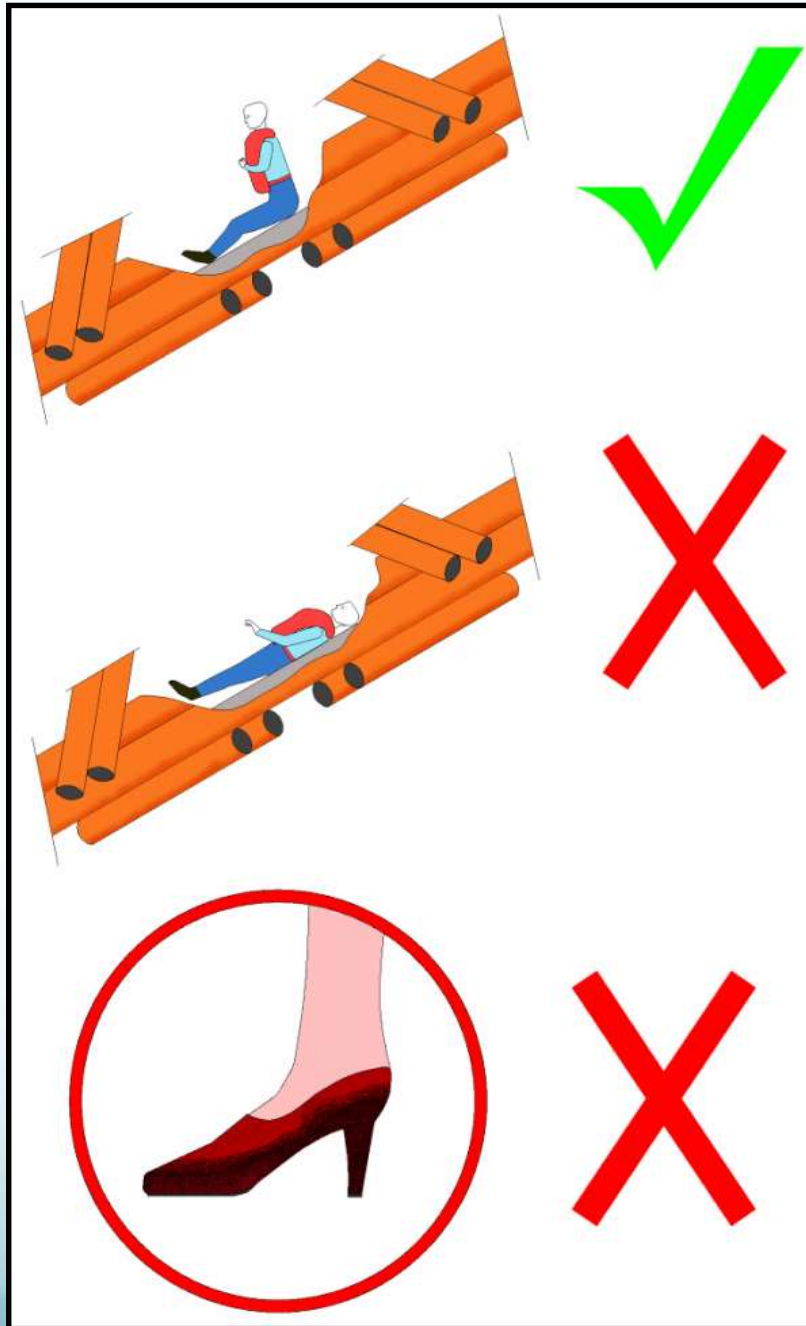
**IF LIGHT OR SIREN IS OPERATING OR DOOR IS MOVING:
!! DO NOT PASS THROUGH THE DOOR !!**



R/V Falkor - Schmidt Ocean Institute
Marine Evacuation System

R/V FALKOR - SCHMIDT OCEAN INSTITUTE

MES

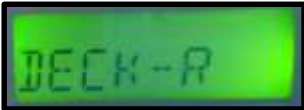





Medical

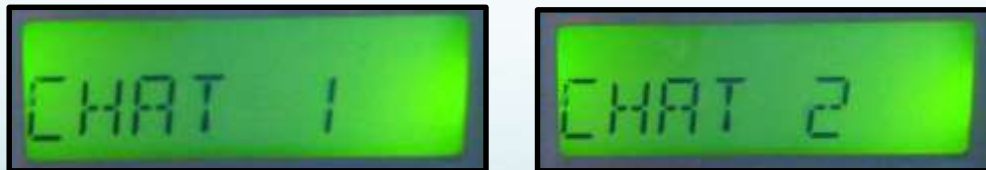
- Green first aid kits around the ship - feel free to use.
 - Inform the Bridge for refill
- Additional free meds are in the Mess.
 - (seasickness, Band-Aids, sunscreen, aspirin, antacid, etc.)
- Inform the Medical Officer about any permanent medication, special conditions or changes to recent history.
- Well equipped Sickbay for larger emergencies.

Ship's Radios

- 4 main channels

-  Deck (also for deployments & emergencies)
-  Engine
-  Interior
-  Science

- Chat channels



- Rebroadcast units on Deck and Engine channels - press and hold for count of two before talking to avoid clipping.

Work Safety

- Stand clear unless directly involved.
- Wear appropriate PPE
(only PPE approved by Safety Officer)
 - Always wear safety shoes on the Aft Deck or when involved in ops.
 - Add a helmet for lifting operations.
 - Add a life jacket when the railings are open.
- “Toolbox Talk” held before operations commence – raise any doubts or concerns at the first opportunity.
- Ship’s Workshop
 - Ask our MarTechs or Chief Engineer to receive an introduction if you want to make use of it.

Follow directions of the crew

We will do our utmost
to keep you safe

Lab and IT introduction

Lead Marine Technician

- Manages Science Department and technicians
- Facilitates communication between science party and ship's crew.
- Hosts daily Cruise Planning Meetings with HODs and Chief Scientist. 0815 on the Brridge.
 - Bring up concerns to the Chief Scientist and they will be discussed at the meeting.
 - If you can't find the toilet paper, don't wait until the end of the cruise to tell us!

Watch Schedules

- MTs are available 24/7
 - Watch Schedule outside Science Control Room
- MTs Office next to data lab
- Reach MTs by SCI channel on radio

Science Control Room Video Matrix

Falkor Video Matrix - New Setup

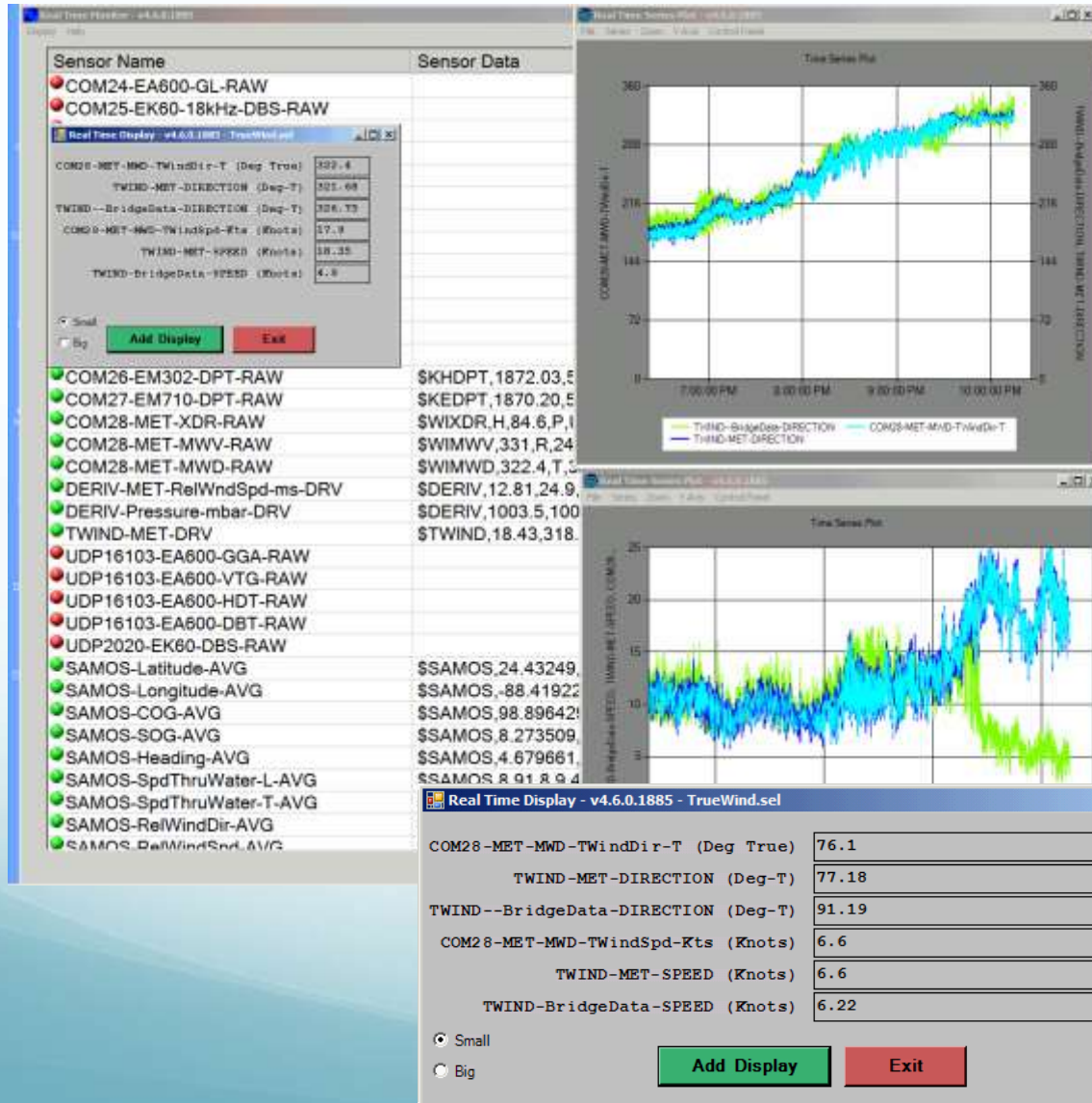


Video Matrix App

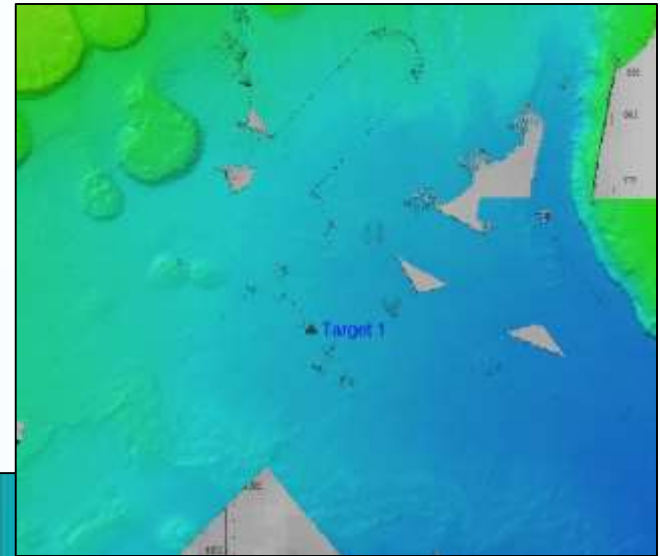
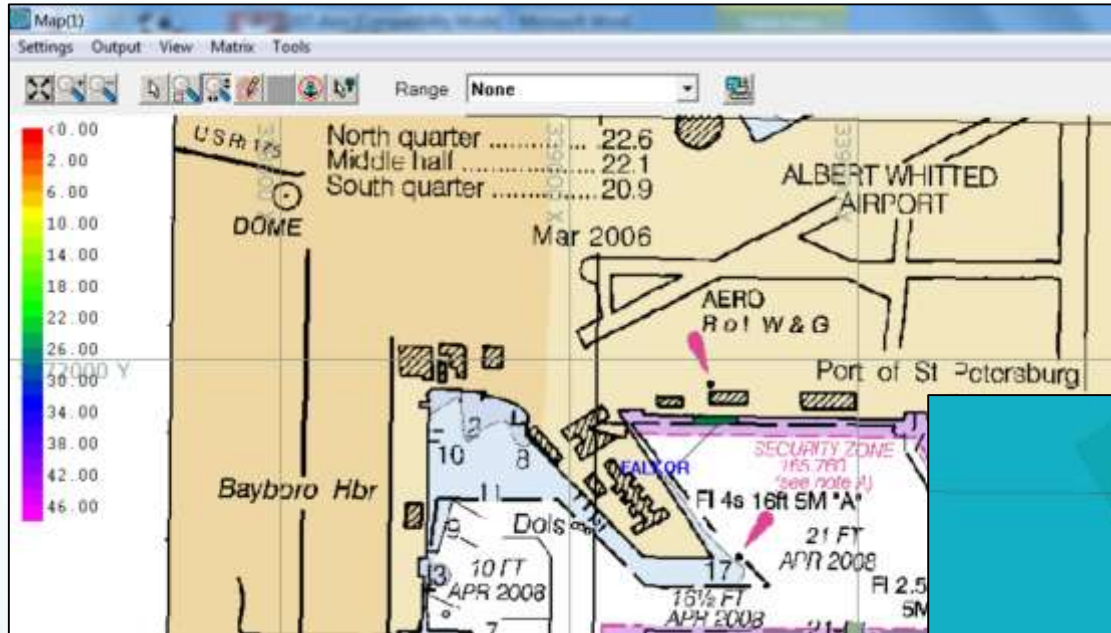


Scientific Computer System (SCS)

- Main data logger
- Can run events
- View real-time data



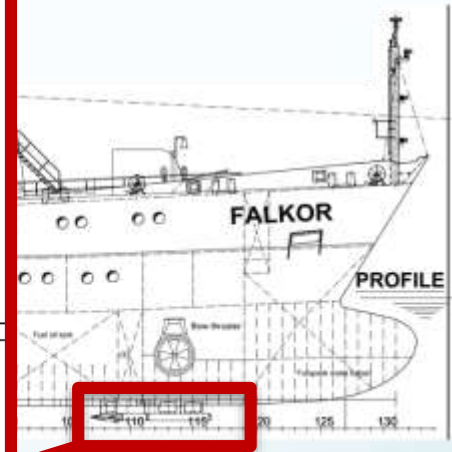
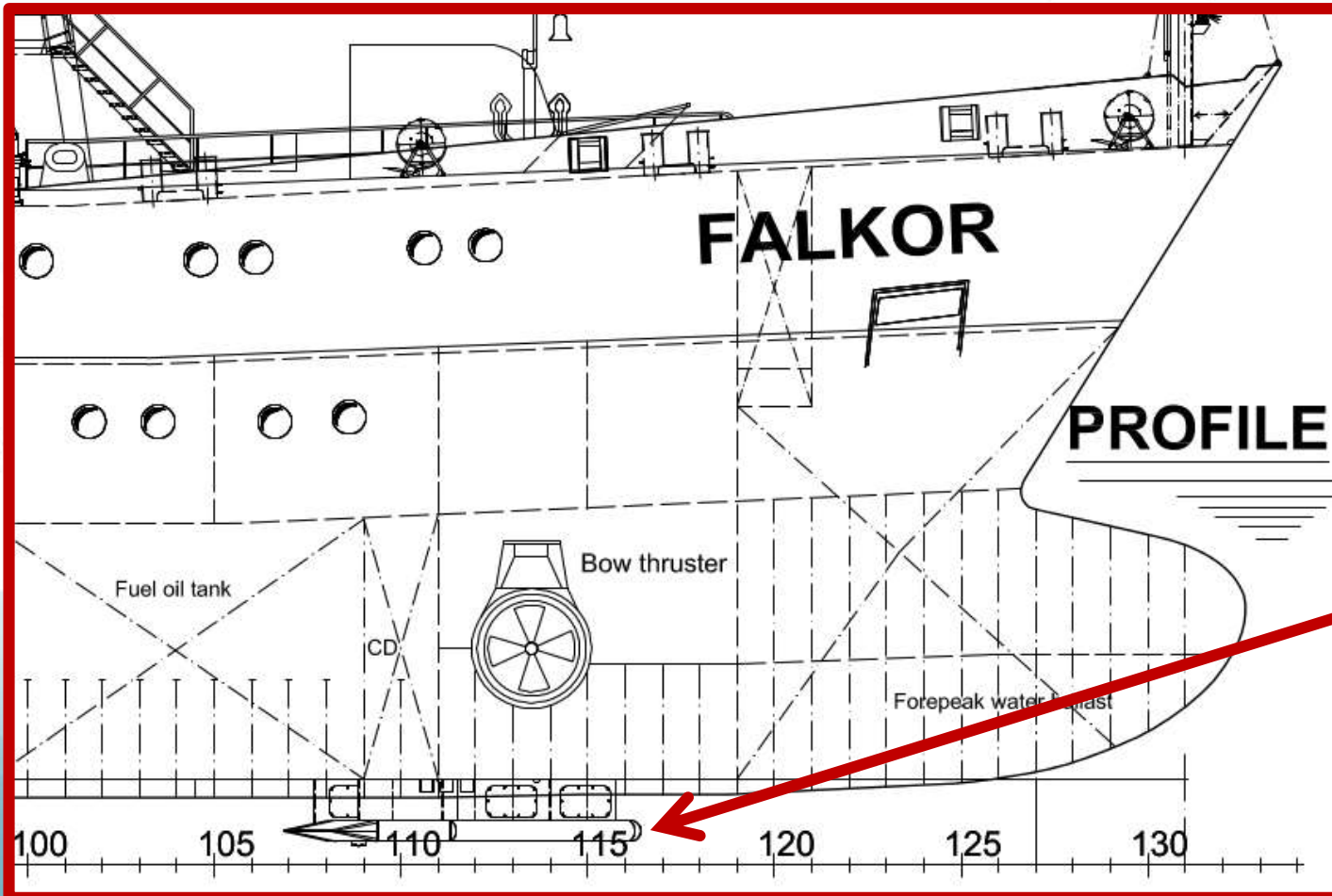
Navigation with Hypack



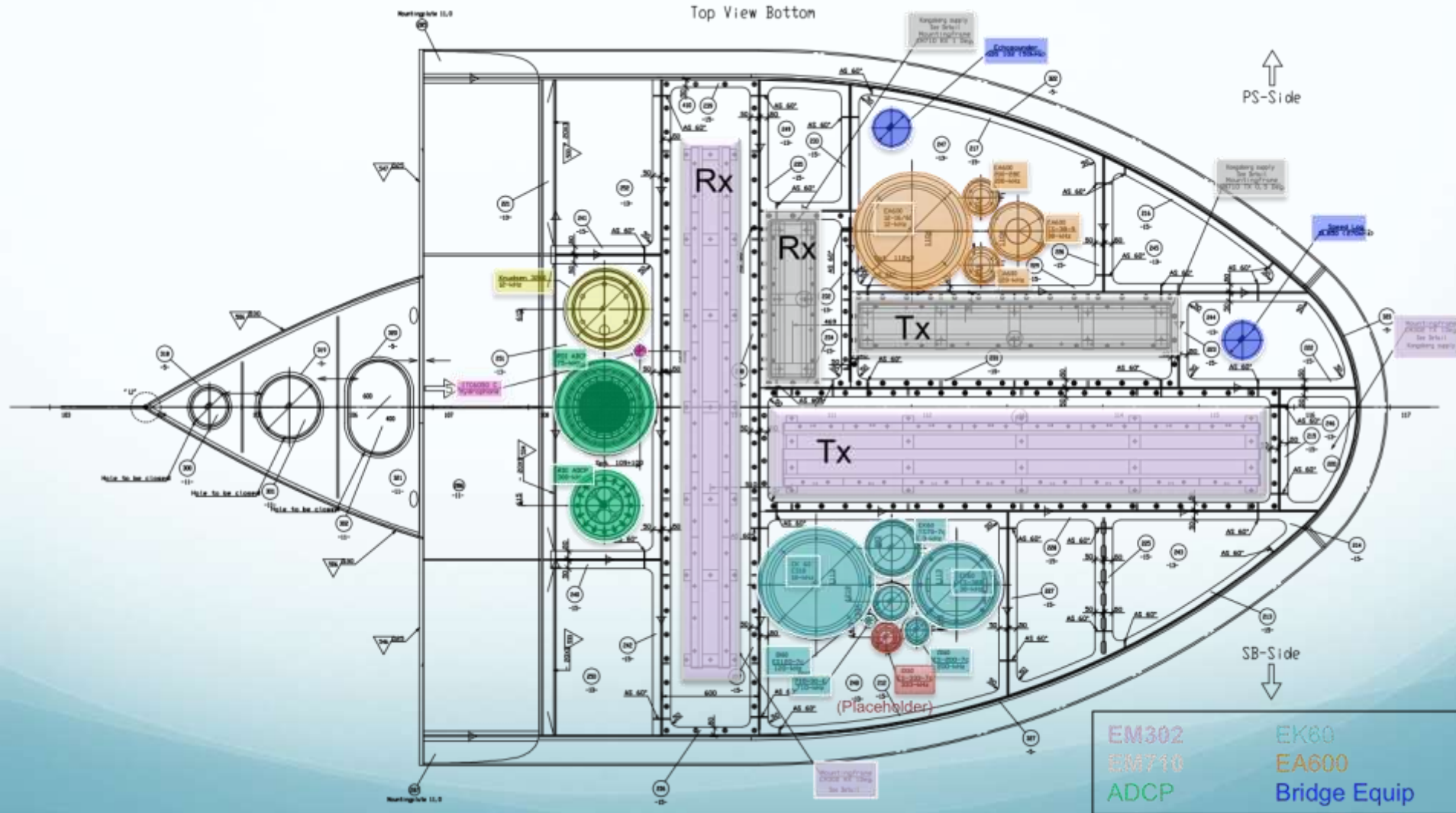
- Mapping Line Plans
- Targets
- Dive Notes
- Dive Tracks



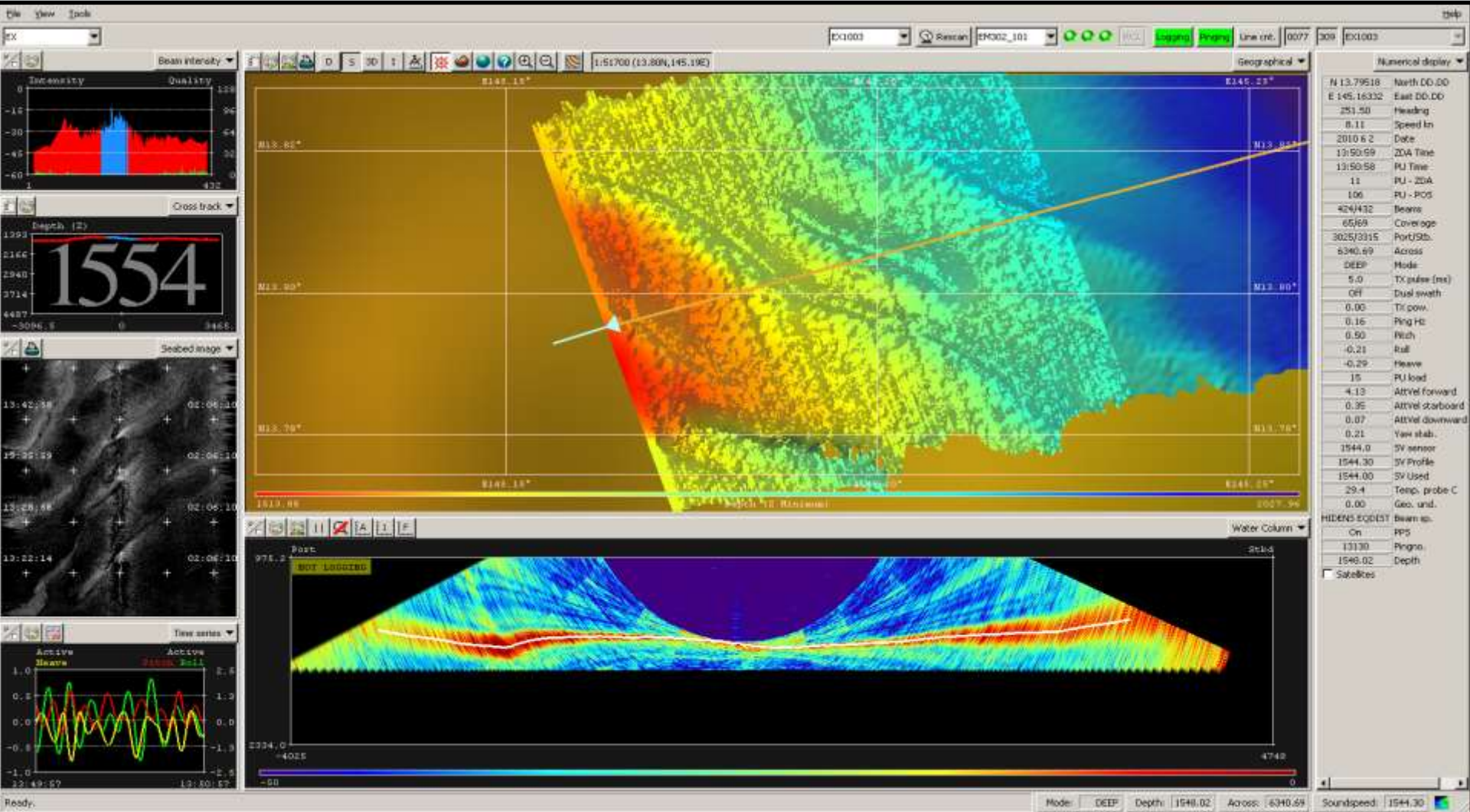
Ship's Systems Gondola



Gondola (Sonars)



Multibeam



Lots of buttons and controls – ask before you touch!
MTs will give you training for the stuff you need.

Lab Safety

- Wear PPE and use all common practice you would in a land-based lab.
- Secure your stuff (aka gear and equipment).
 - Ask MTs if additional securing gear is required
- Take only the chemicals you need now out of the locker.
- MSDSs displayed outside Wet Lab and on the Bridge.
- Science Party's "Responsible Person" to be declared for Hazmat use.
- Do not use fume hood extraction at the same time as CTD LARS deployment/recovery ops – if in doubt, ask!

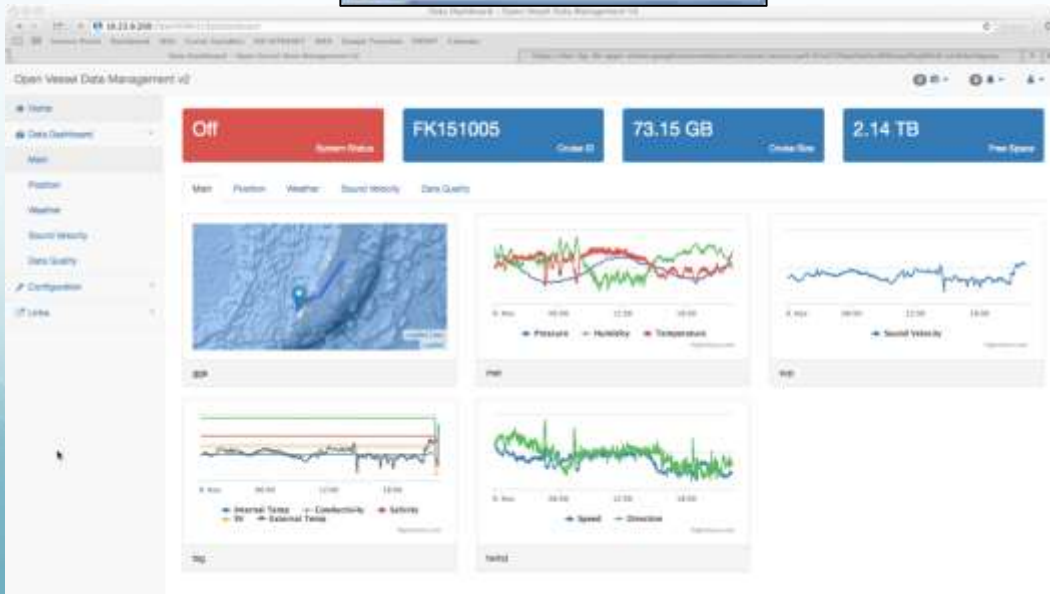
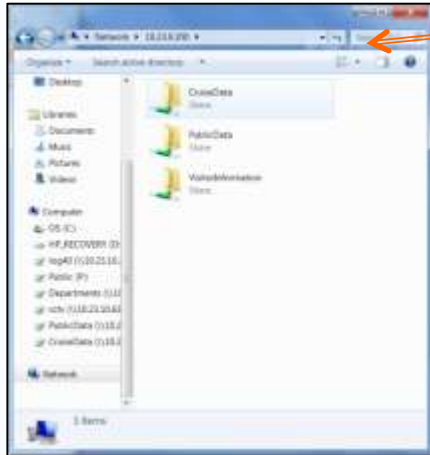
Information Technology

- Shipboard wifi: rvfkscience
 - Password: welcome2falkor
- General network etiquette:
 - Close your browser after use.
 - Disable automatic services like iTunes downloads, updates, and cloud storage synchronizing (Dropbox, Google Drive)
 - No video calls, streaming, unnecessary file downloads, etc.
 - It is proven that Facebook not only ruins our bandwidth but decreases your overall happiness by stimulating jealousy.
- Printers are available and free to use in Library, Dry Lab, Data Lab - see MTs for help setting up

Where's the Data??

OpenVDM

- 10.23.9.200 on browser or <\\10.23.9.200> in Windows Explorer



- Dashboard
 - Near Real-time data
 - Shows files that have not backed up
 - Links to Directories
- Cruise Data
 - Backs up every hour
 - Also sent to Archive
 - Read-Only
 - Set Structure
- Public Data
 - For scientists/visitors to use
 - Transferred into Cruise Data at end of cruise.
- Visitor Data
 - Various ship info (manuals, software, SOPs, etc.).

? ? Questions? ? ?

? Feedback?

? Now and at any time
during the cruise. ?

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