ODF

Hydro Lab

CTD & BOTTLE DATA:

CTD acquisition computer setup needs 6 ft of linear bench space including the deck unit.
CTD processing computer setup needs 4 ft of linear bench space.
We would like to set up a third computer for bottle data processing.

Nutrients:

8 ft of continuous linear bench space.
2-3 ft of linear bench space very nearby.
2-3 ft of linear bench space around a sink.

In-lab storage for spares and other supplies in the lab.

Oxygen:

6 ft of linear bench space with storage underneath.

Salinity:

One standing height bench with a lower shelf and top at 10 ft. length with full accessible floor to ceiling storage. This bench needs to be in an environmentally stable lab with restricted access and no standing-open doors allowed.

Wet Lab

CTD & Bottle care:

One standing height bench with a lower shelf and top at 8 ft. length with full accessible floor to ceiling storage. There will be soldering fumes, solvent vapors, glue vapors, plastic dust and possible metal dust generated from and during this activity. Also noise from dremeling and banging. Nothing in large quantities but noticeable. This space needs to be within the A/C boundary of the ship as electronics are opened and serviced in this area.

Computer Lab

In-lab racks for ODF servers.

UVP

(Jessica Pretty)

Wet Lab

Set up near a passthrough door to the deck and/or staging bay.

6 ft of linear bench space for one workstation, one laptop, and a deck-box, with storage underneath.

In-lab storage: ½ m^3.

LADCP

(Bruce Huber)

Wet Lab

Setup where readily accessible to a cableway to the deck and/or staging bay.

6 ft of linear bench space to allow for instrument setup, a computer, battery charger and a junction box.

In-lab storage for spares and tools.

Two spare deep-sea power and light rechargeable batteries could be stored in the staging bay.

Inactive storage of 1.2 m^3 desirable for empty crates and a spare ADCP head.

---

pCO2

Wet Lab

Forward bulkhead.

DOC

Main Lab

4 ft of linear bench space for the station.

In-lab storage (cabinets, shelves, etc.) nearby for the sample boxes.

CFC

Main Lab

L-shape bench, 120"x50".

Two (2) 42"x28" dry ice chests secured on a broad side of the main lab bench.

Six (6) carrier, and two (2) standard gas cylinders secured next around the bench.

Access to a sink and DI water.

One (1) 44"x37"x25" wooden crate, and ten (10) 2"x27"x27" aluminum containers: can be stacked and stored in the main lab, science hold area, or storage container outside.

GLIDERS

Main Lab

SOCCOM Floats

(Greg Brusseau, and Dana Swift)

Main Lab

Six (6) floats, crated, 81"x22"x18": can be stacked in 2x3 rows but must be secured, stored on the main deck as long as they do not freeze.

NOAA Floats

Main Lab

Two (2) deep floats, crated, 31”x38”x46”: don't need to take up lab space if there is space in the hold.

Two (2) "regular" Argo floats, crated 14”x17”x74”: can be tucked under benches in the main lab, but could go anywhere out of the weather.