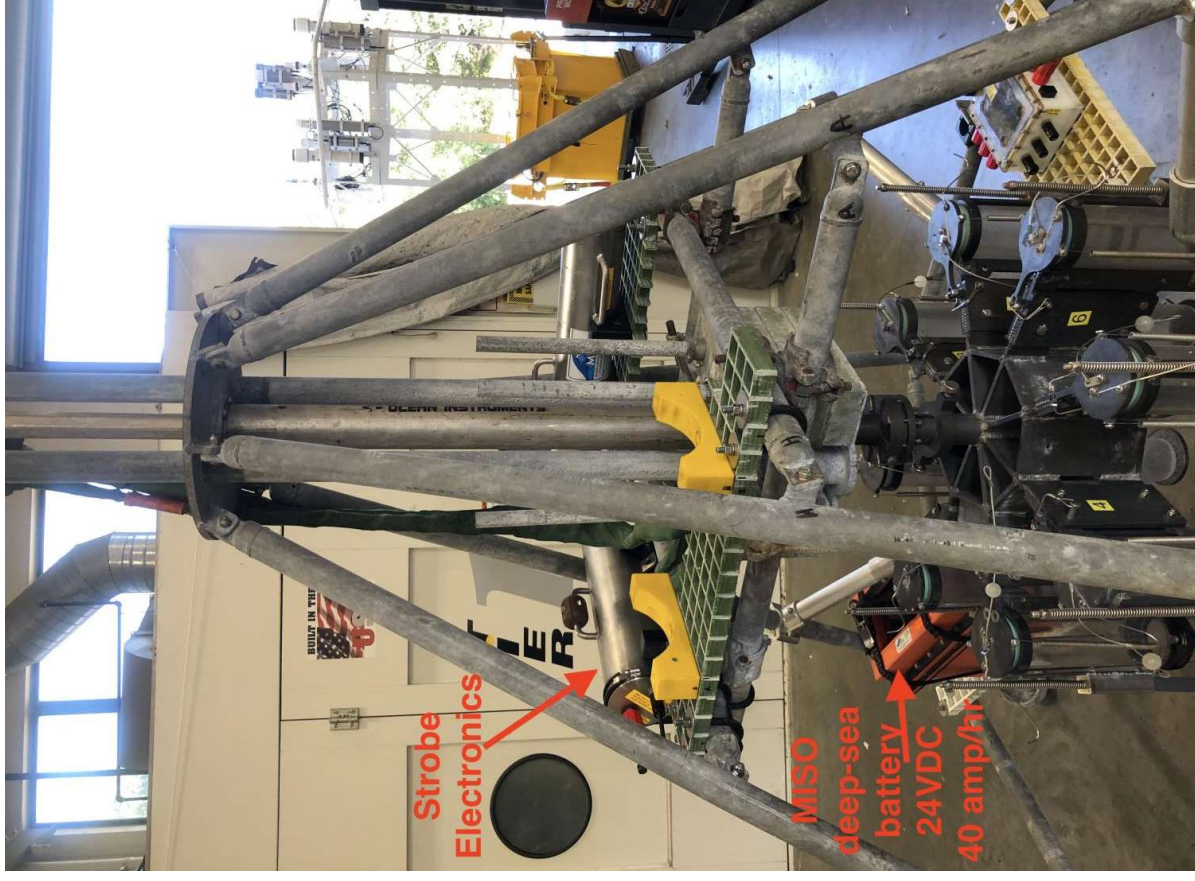
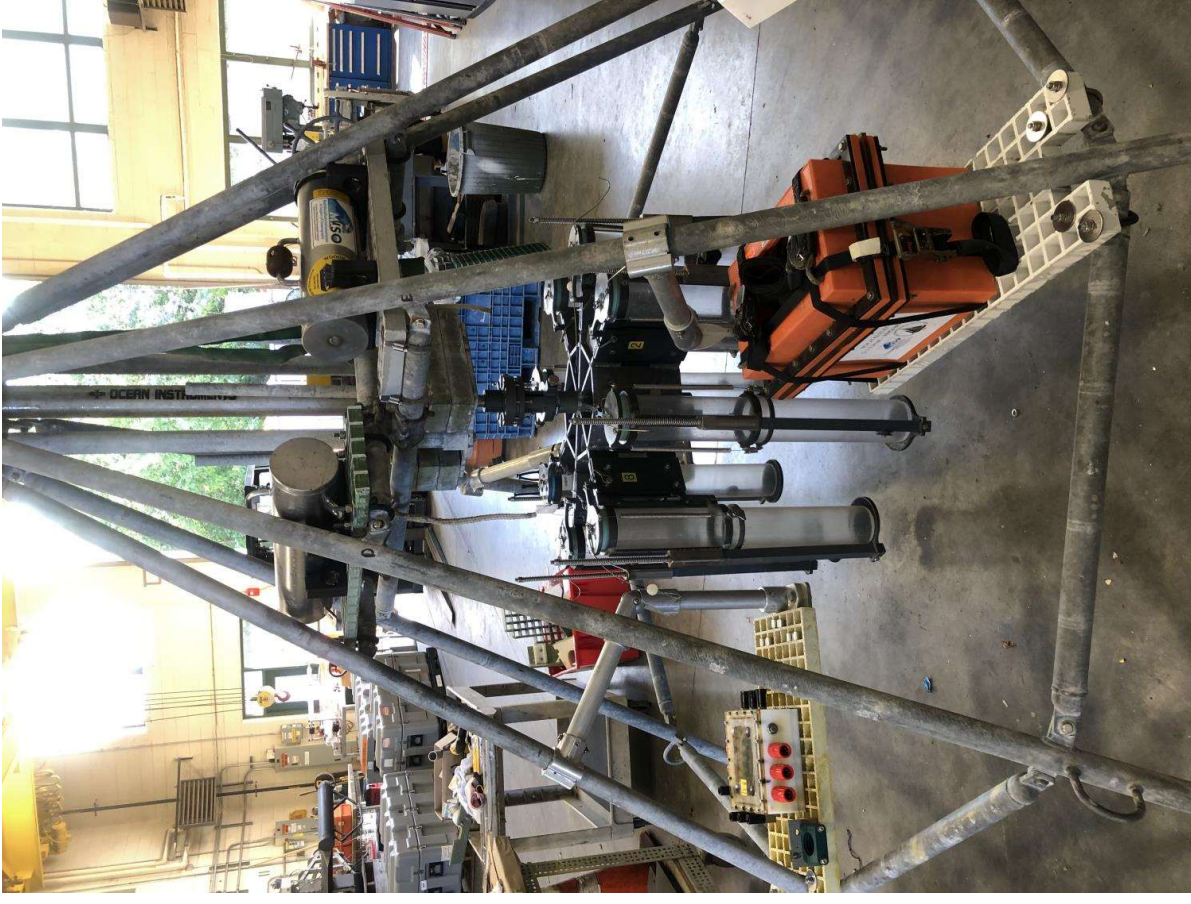


Basic Setup
of MC800
with MISO
equipment
for KM20-12
cruise





Basic Setup
of MC800
with MISO
equipment
for KM20-12
cruise

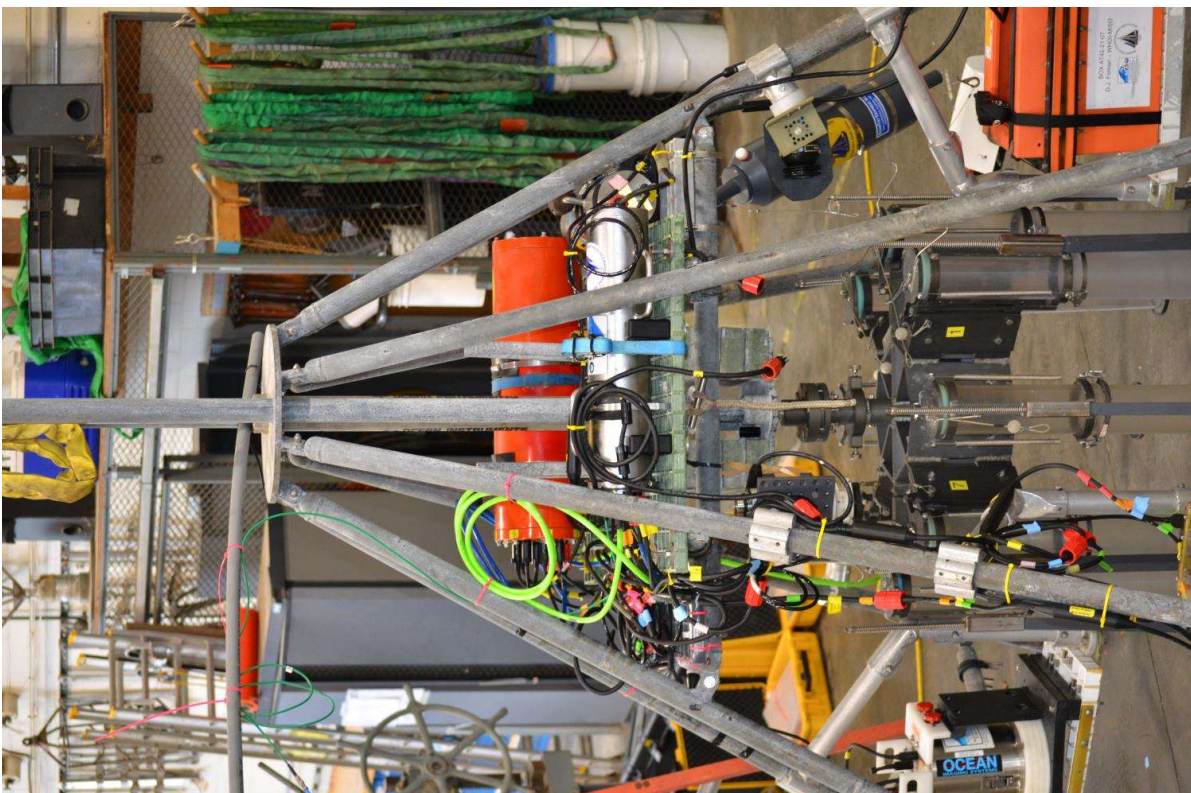


MISO 24VDC/40-amp/hr battery
detail (left) and side view of
bottom platforms for camera,
power Jbox and battery (bottom)



MISO equipment mounted on MC800

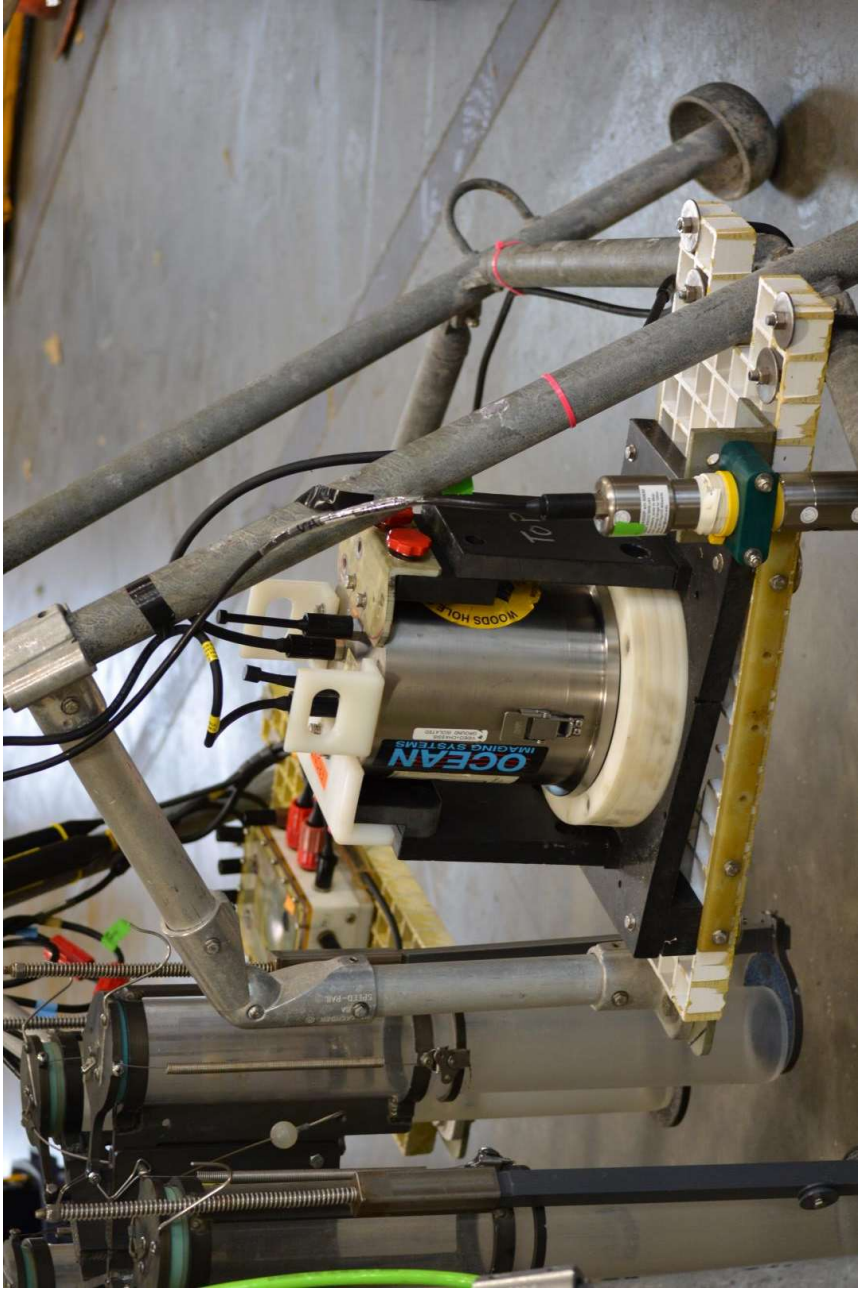
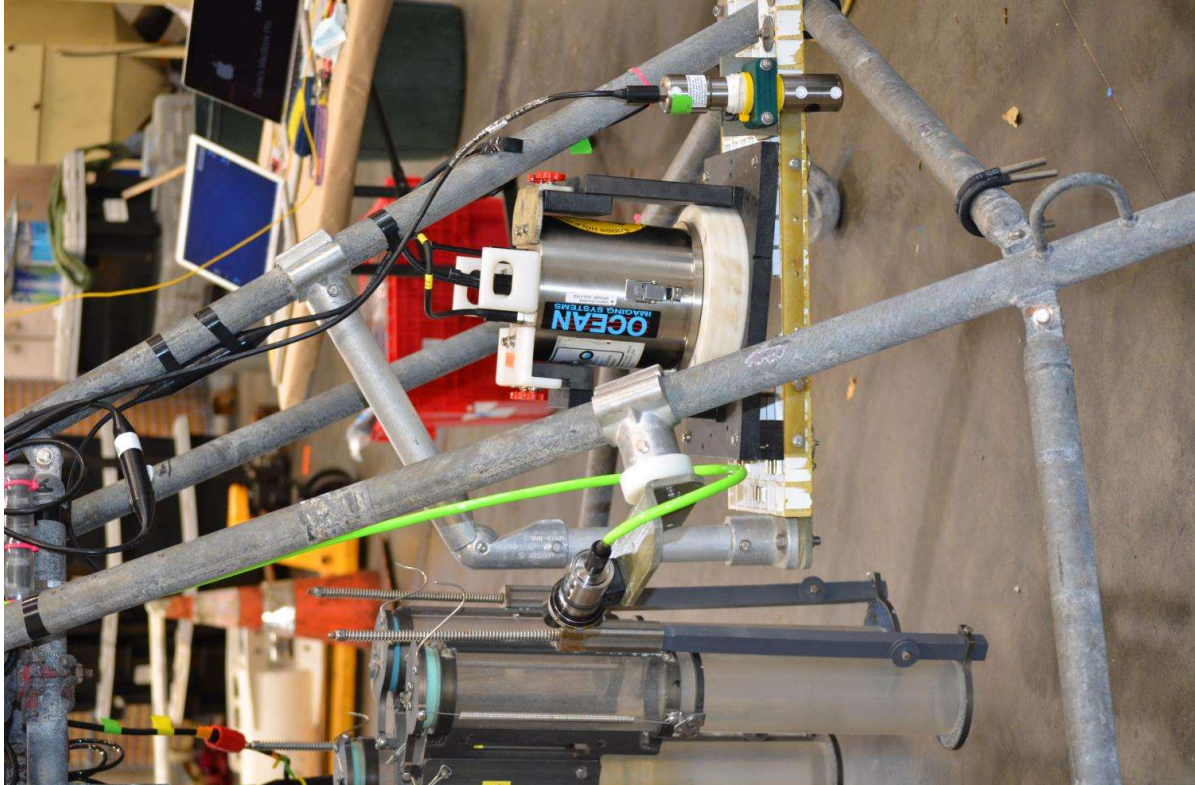




MISO equipment mounted on MC800

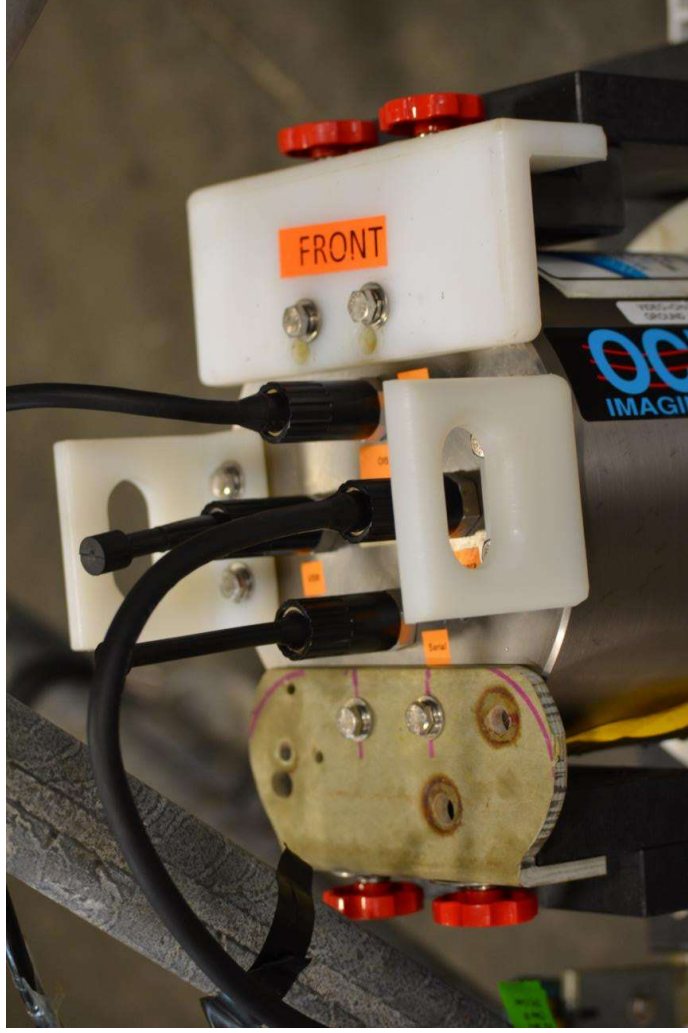


MISO equipment mounted on MC800



OIS 24MP down-looking camera mounted
with VA500P altimeter/depth sensor on
side of platform

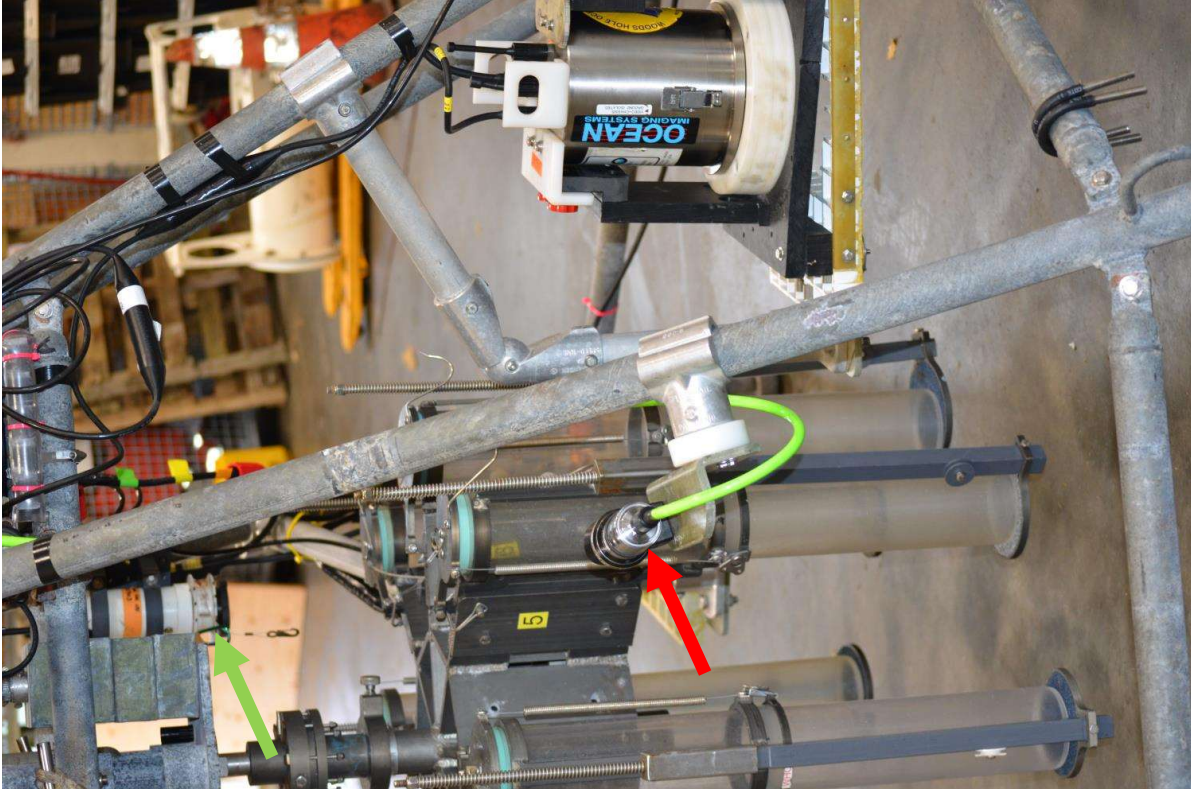
Detail of OIS camera mounting brackets and red thumb screws that attach it to the platform mount



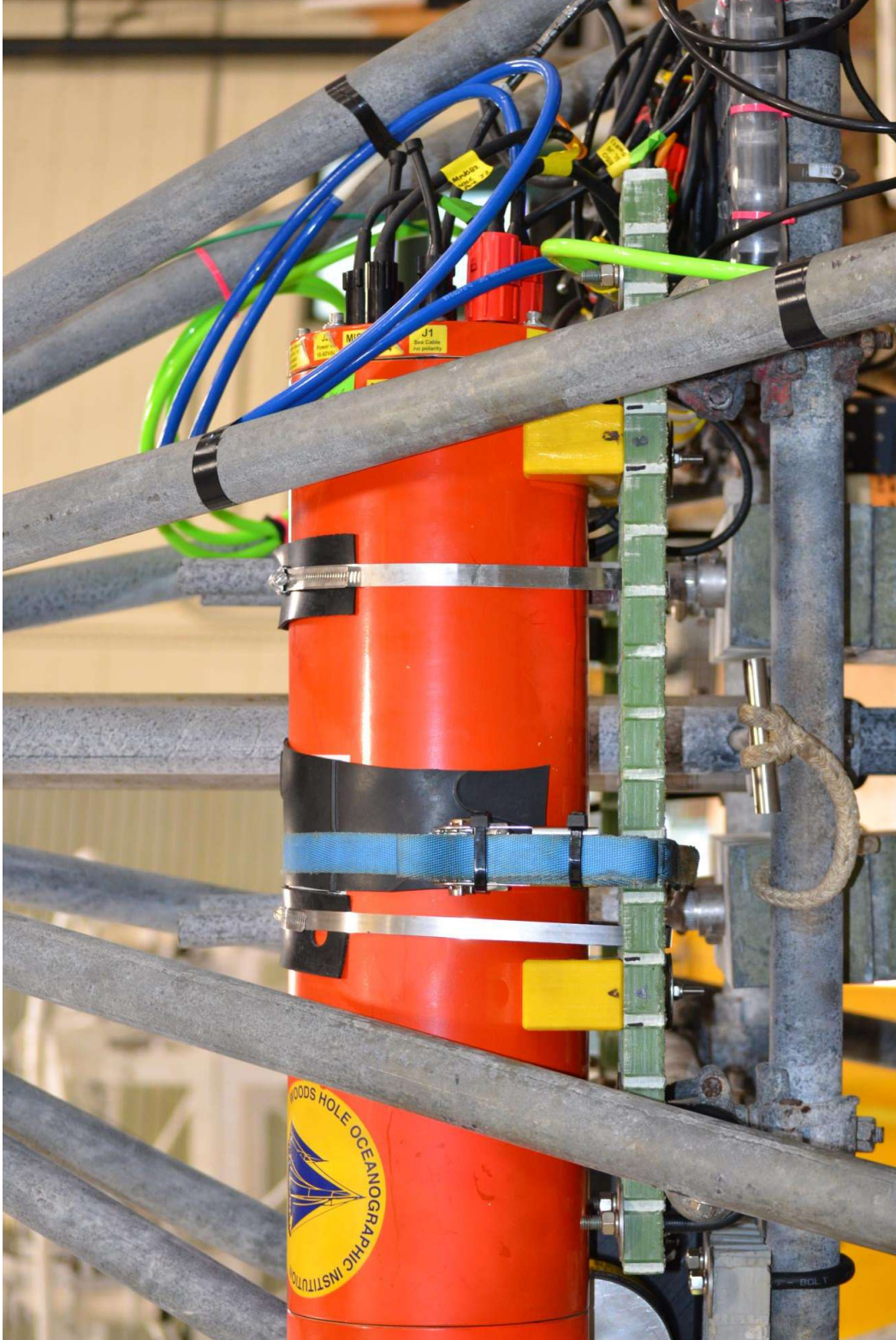


Detail of 5L Niskin
and strobe head
(left)

DSPL IP-
multiseacam – HD
video camera (red
arrow) that
monitors anti-
pretrip collar and
motor (green
arrow) (right)



DataLink
mounted on
platform showing
details of hose
clamps and
ratchet strap
securing it to the
platform



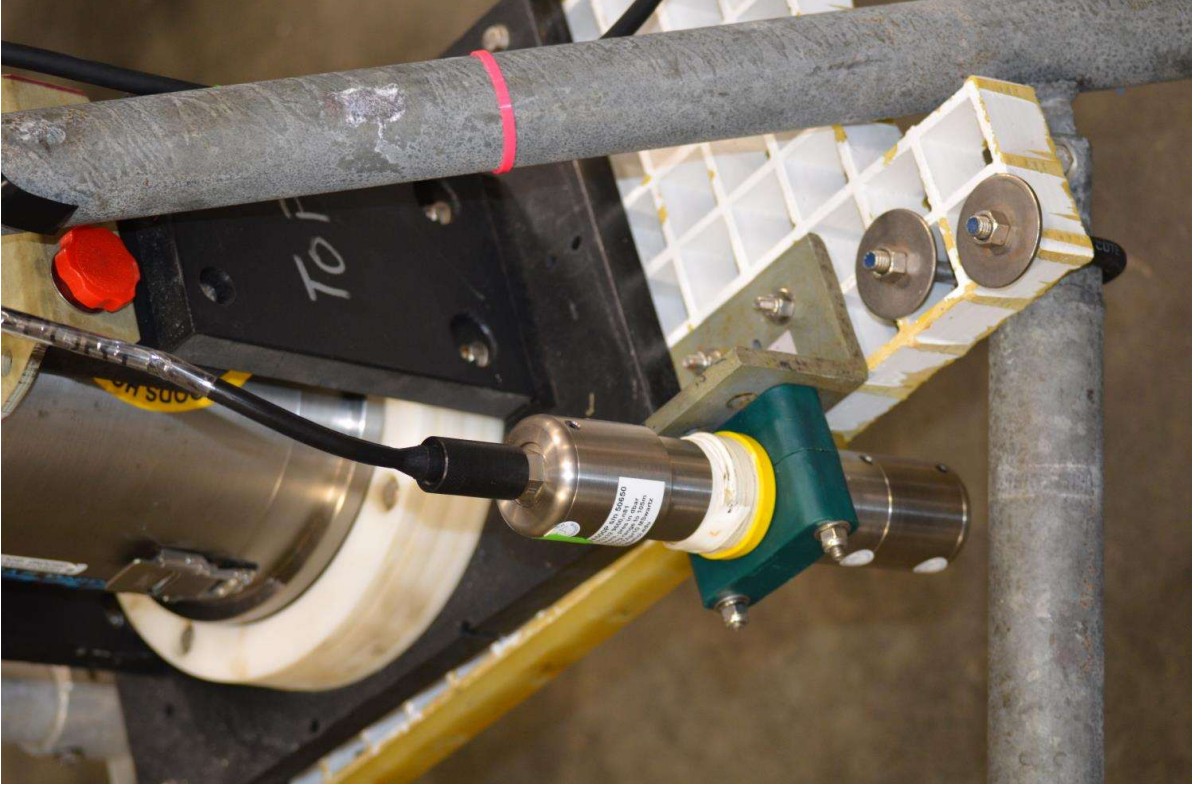


(left) DSPL IP-
multiseacam – HD
video camera that
monitors anti-pretrip
collar and motor.

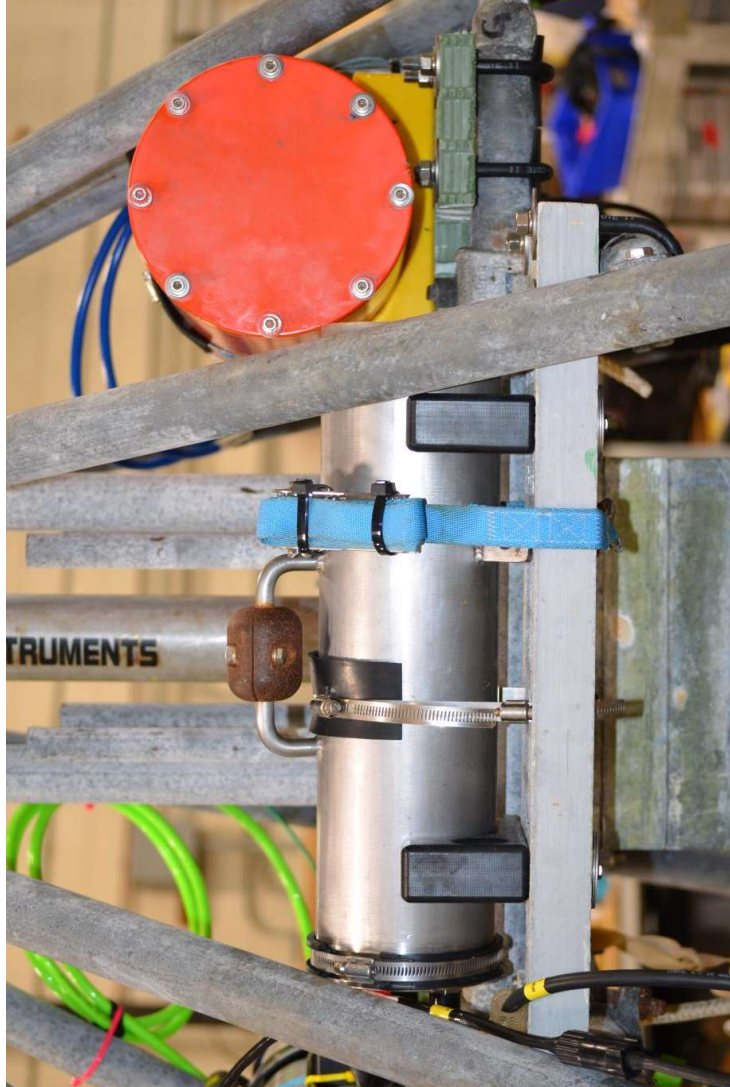
(right) 5L Niskin
mounted on one of the
vertical legs of the
MC800



Valeport VA500P
depth and altitude
sensor mounted
on OIS camera
platform



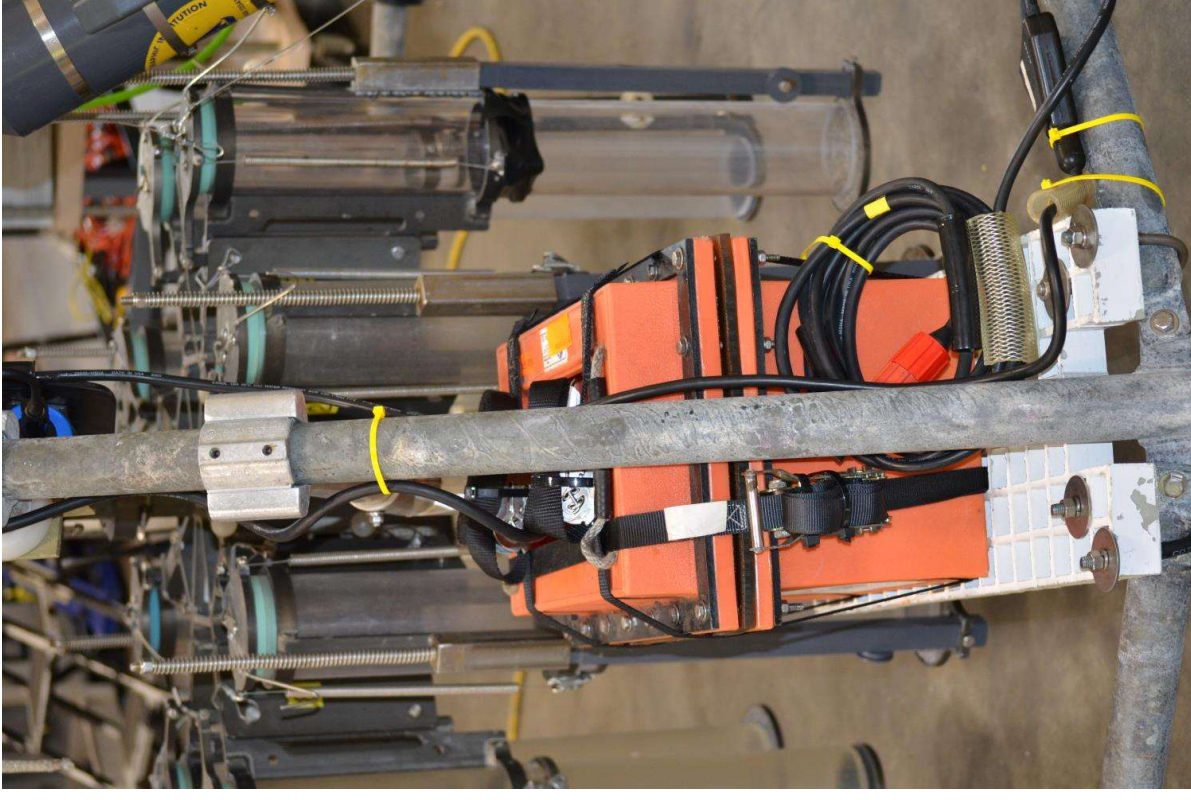
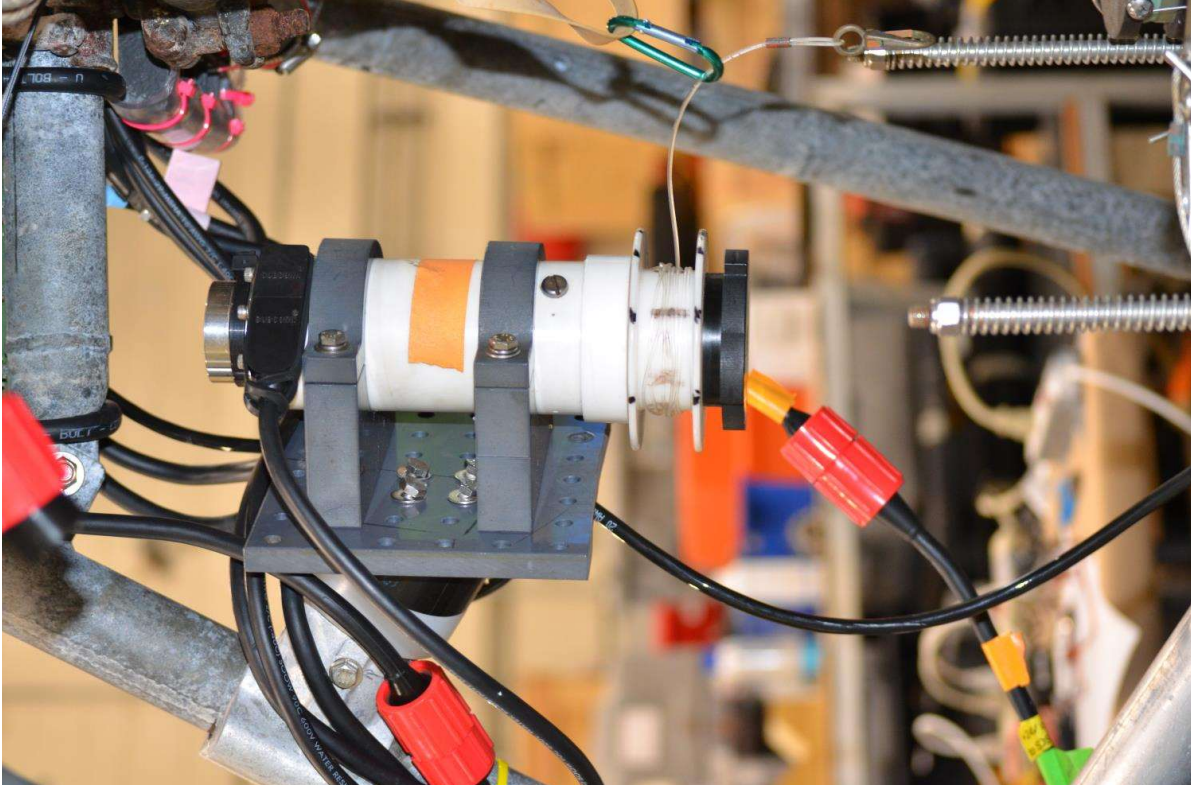
Upper platforms
showing strobe
electronics
housing (silver-
center) and back
end of DataLink
telemetry housing



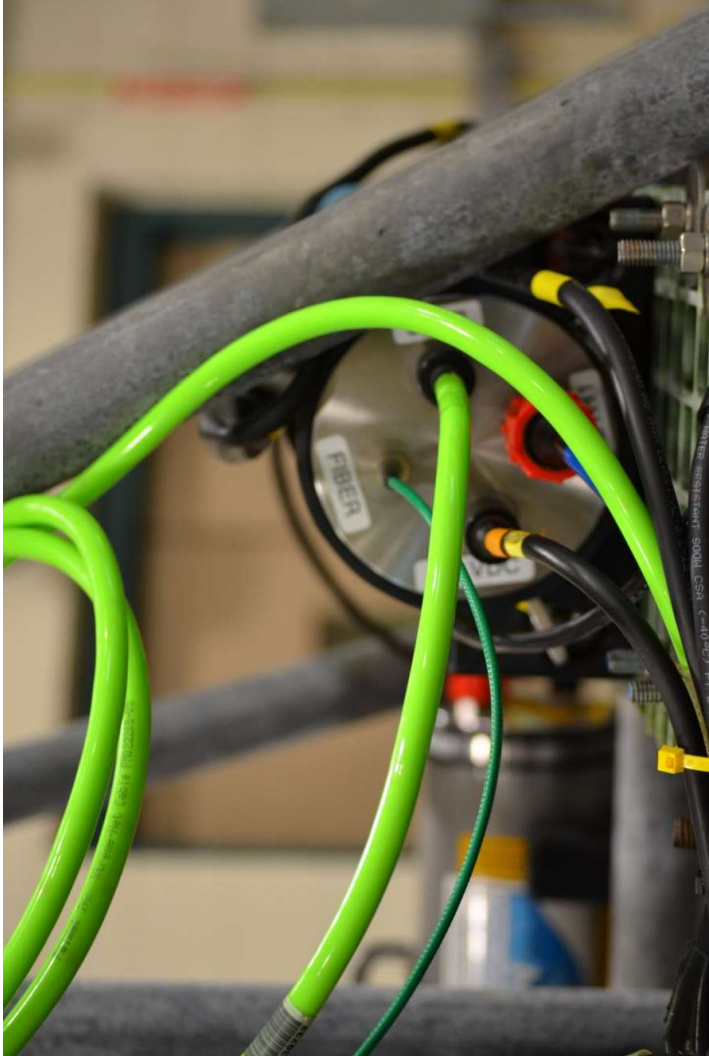
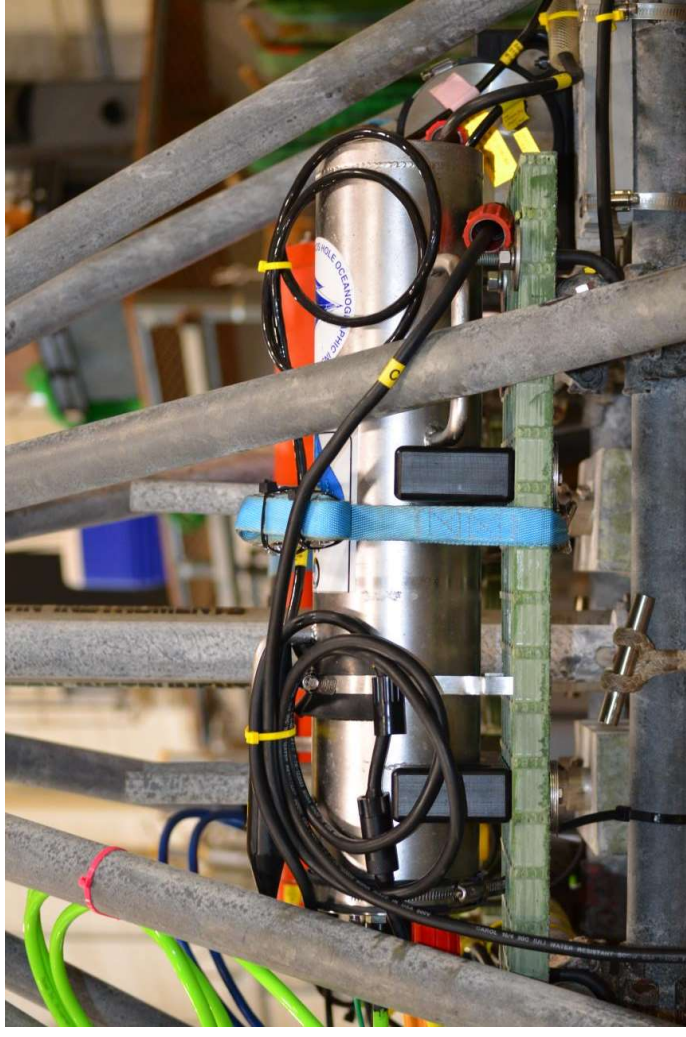
Front end of
DataLink housing
showing labeled
J1-J8 bulkhead
connectors - NOTE
- J1 and J4 are
dummied off and
not used

(left) MISO winch motor that activates anti-pretrip collar.

(right) detail of MISO deep-sea battery showing arrangement of ratchet straps that secure it to the platform

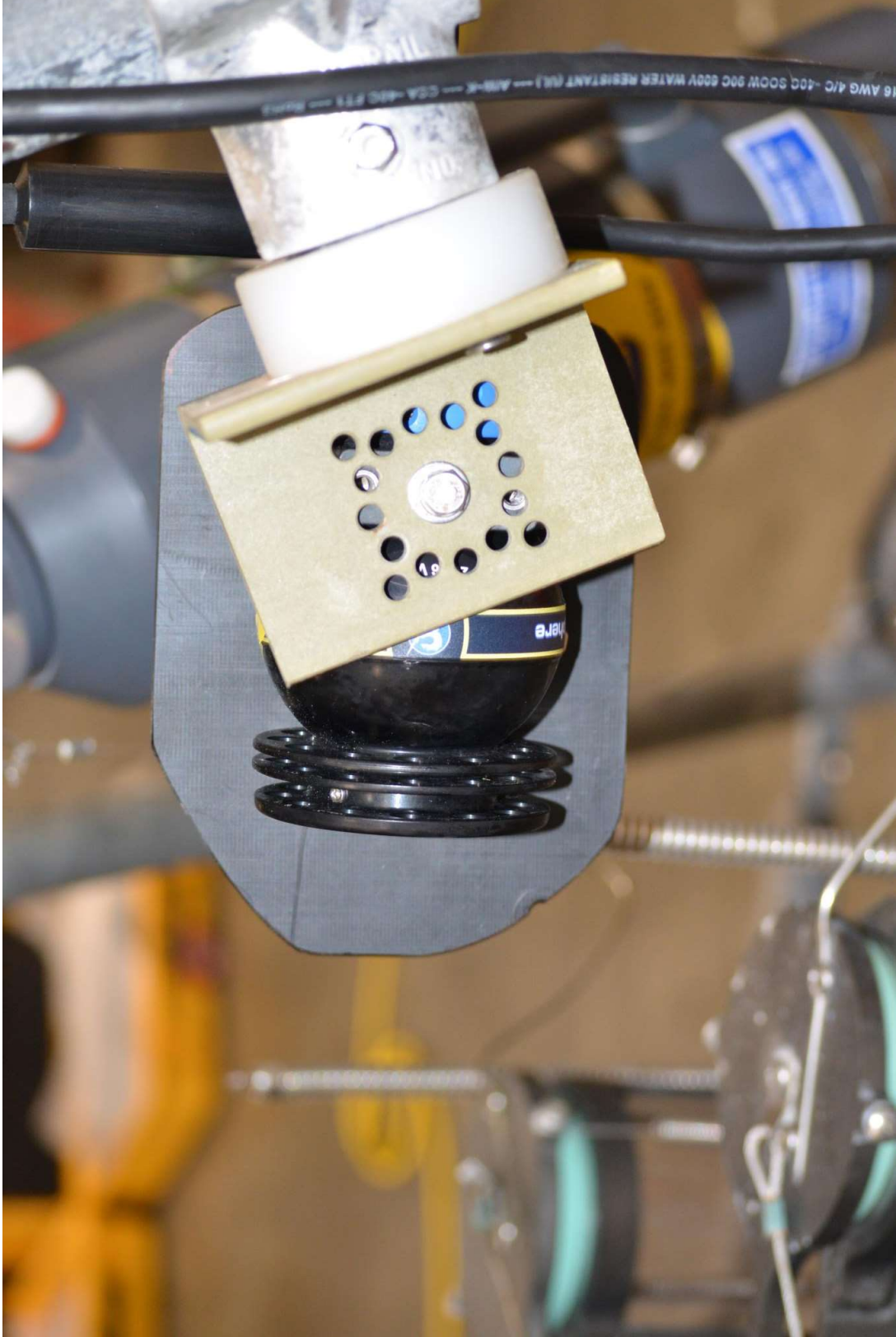


Side view of MISO FO to Ethernet housing and strapping arrangement to secure it to the platform



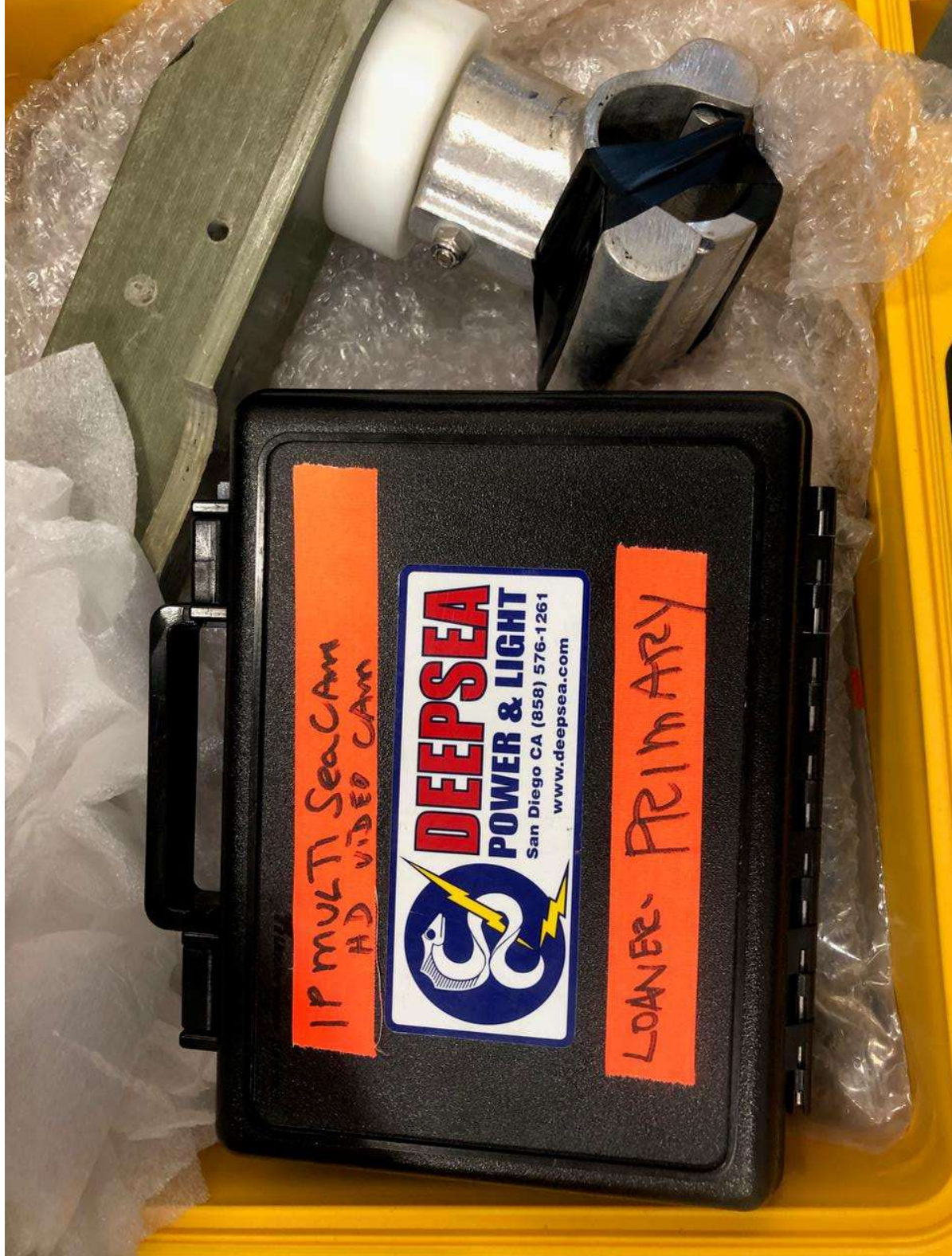
MISO FO to Ethernet housing – front end showing bulkhead connectors

DSPL SeaLite LED
light that provides
lighting for IP
seacam HD video
camera that
monitors anti-
pretrip collar and
motor.



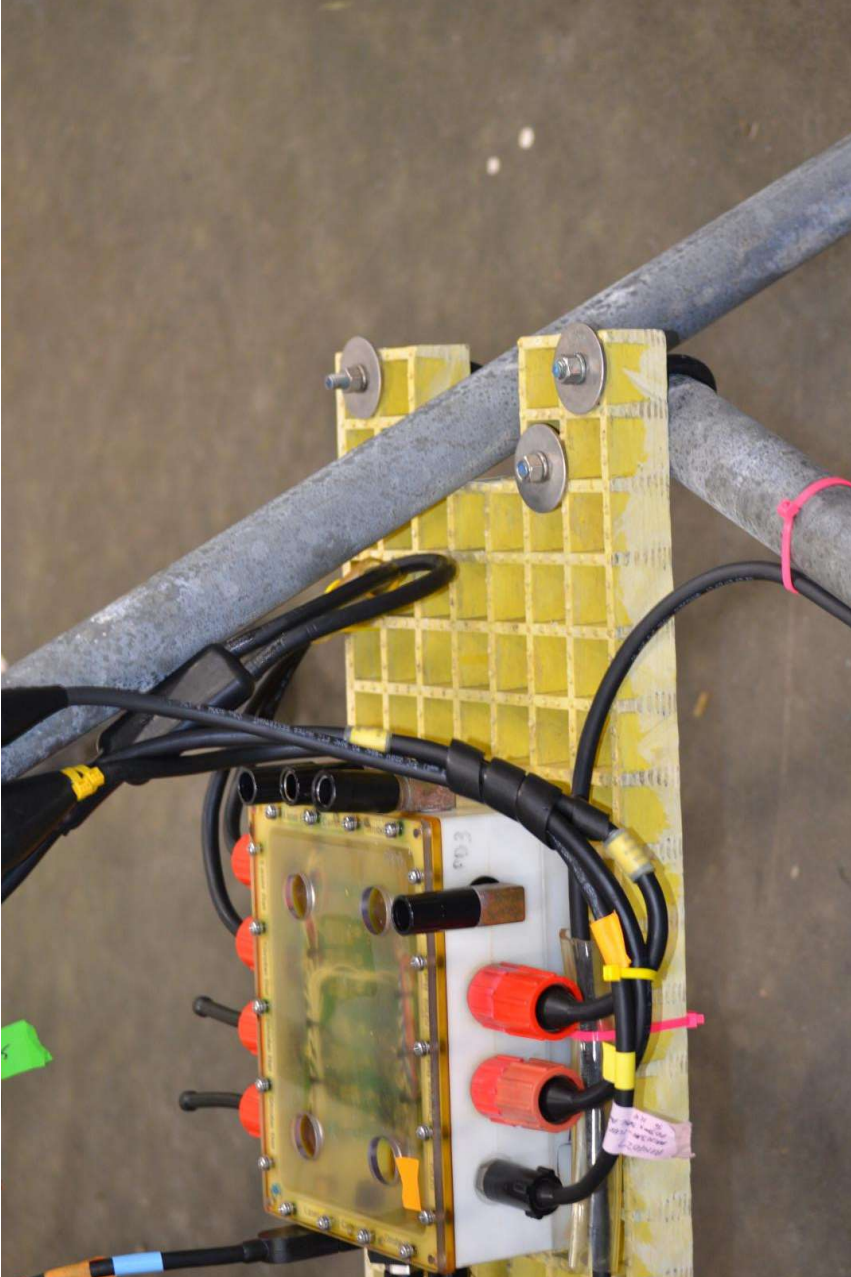
DSPL IPSeacam that provides HD video imaging to monitor anti-pretrip collar and motor.

Mounting bracket with speedrail is in the same small yellow case



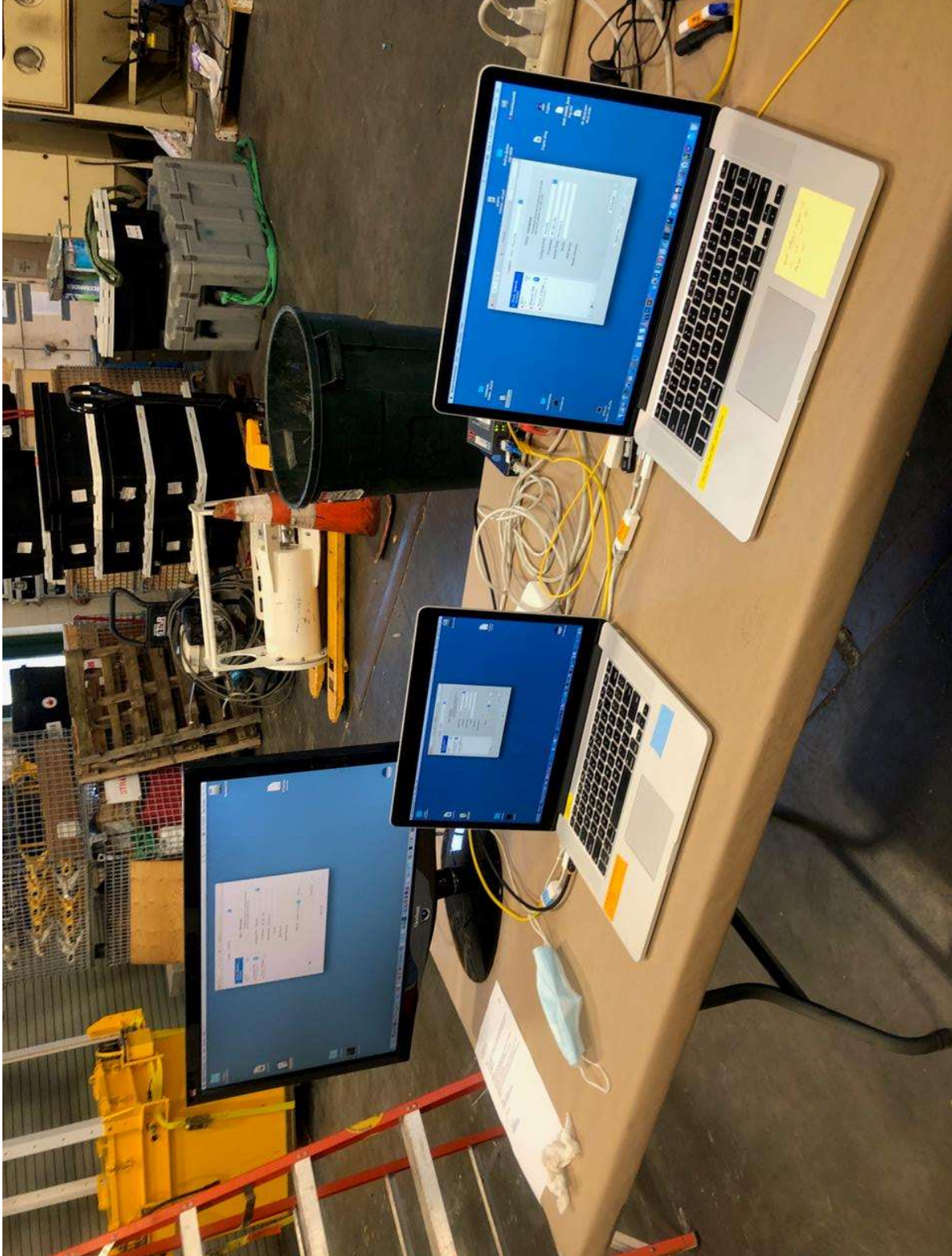


DSPL IP Seacam HD video camera. Note IP address and name/psswd on label (top photo) (left photo) shows access to hose clamp where the camera can be rotated so that you match the level position when mounted on the MC800.

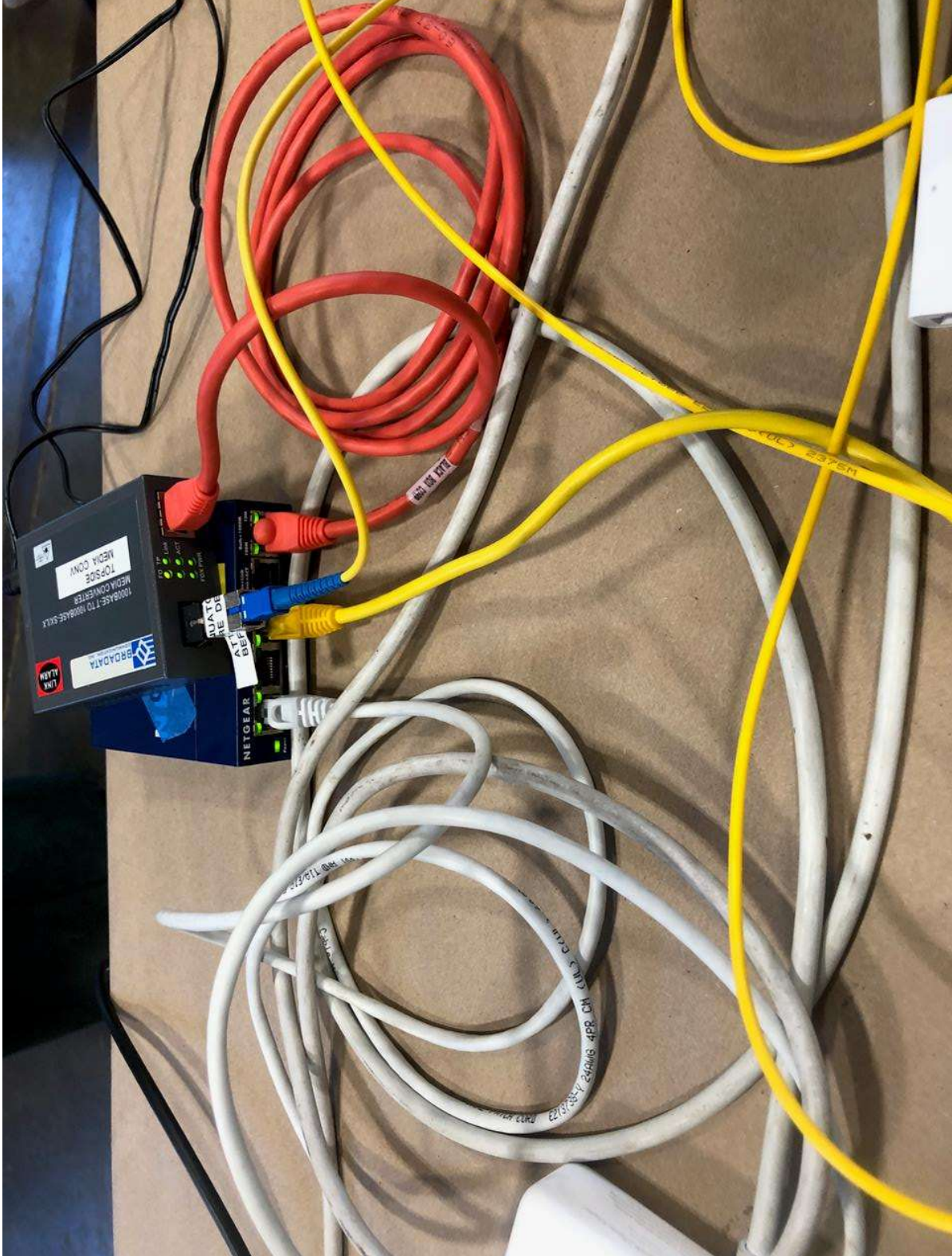


MISO power J-box showing arrangement of cables and securing using tie wraps without excessive bends in the cabling

MISO laptops and monitor arranged like you will have them in the lab on Kilo Moana
Note: left laptop and monitor are connected and will display OIS downlooking camera image in r/t and HD camera looking at collar
Right laptop is used to monitor 1Hz data from altimeter and depth sensor and to operate the software switches for the LED light and winch motor that pulls the collar off the spyder.



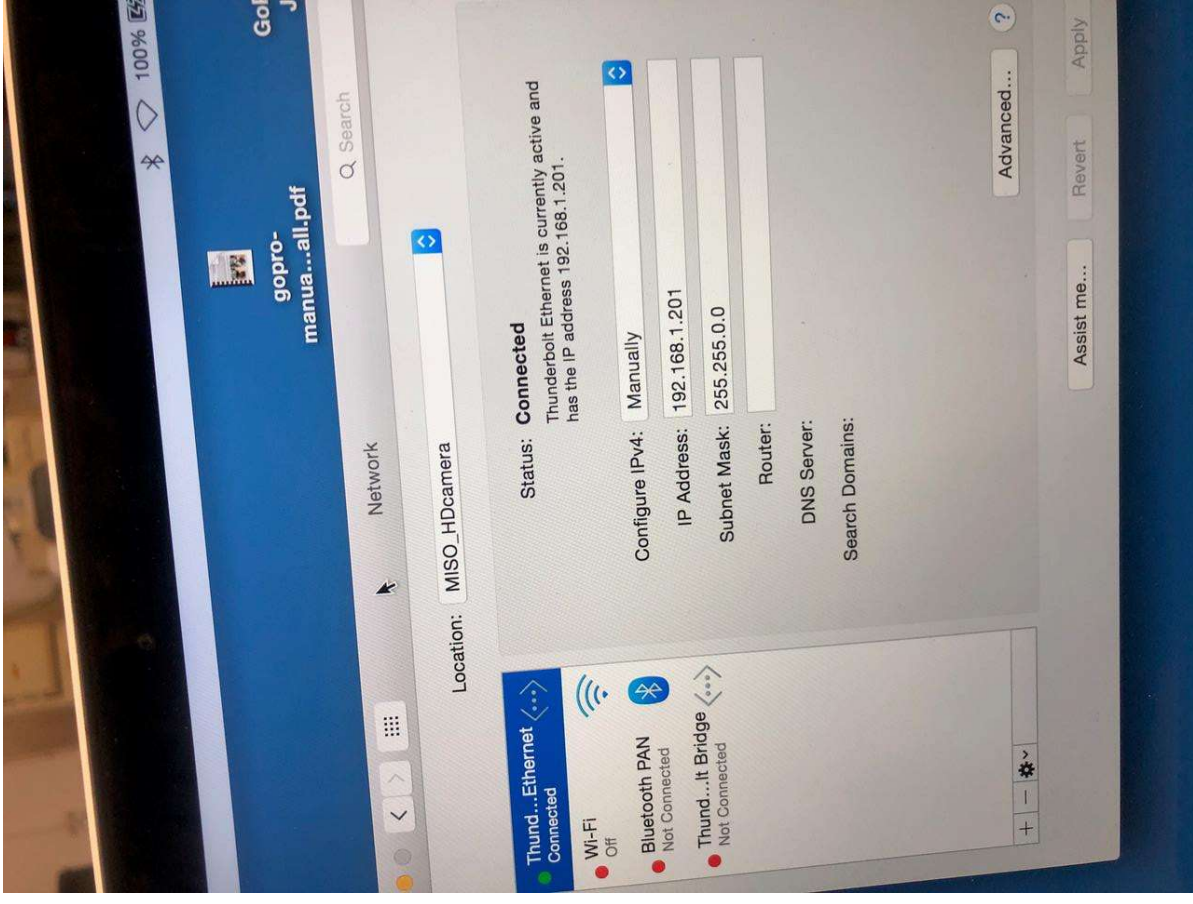
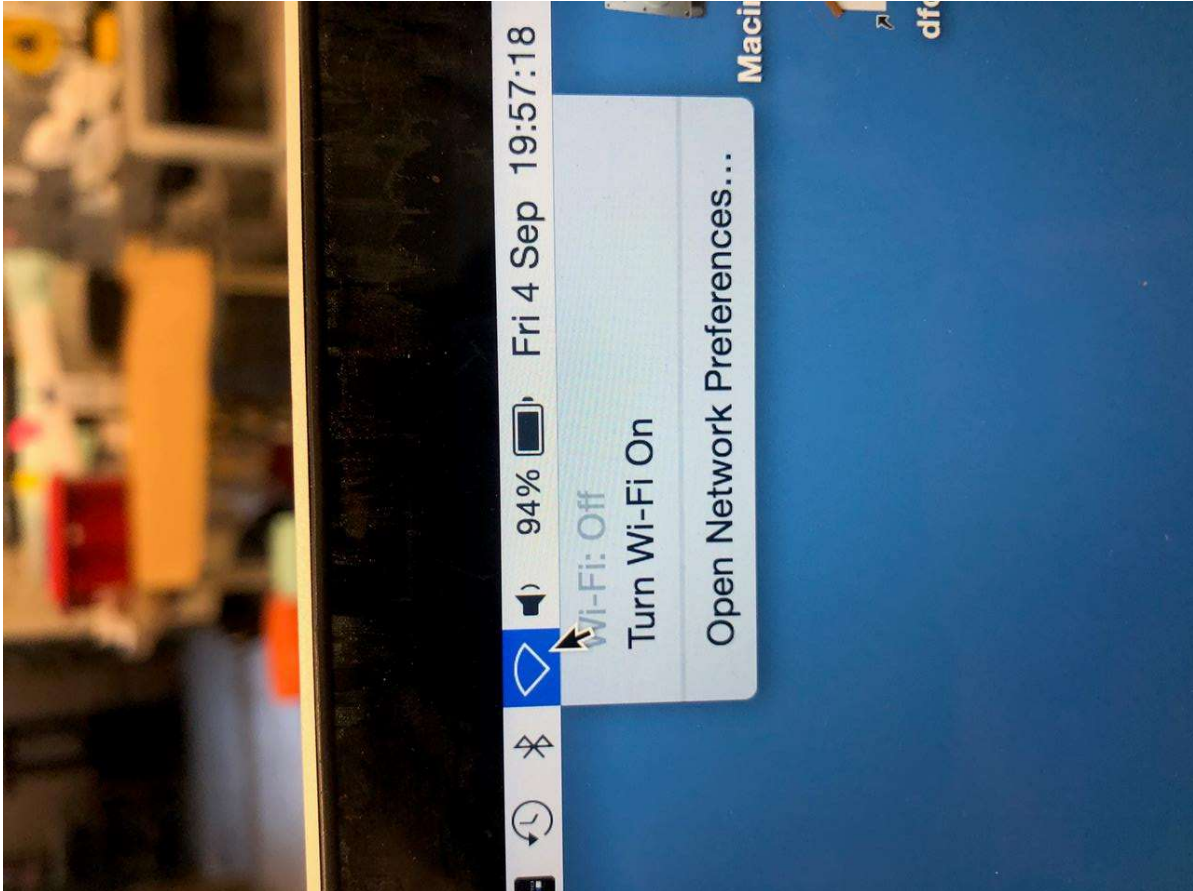
MISO topside FO
comms box (which is
connected to the FO
cable in the lab) and
the gigabit ethernet
switch that
transmits the data
signals to the
laptops



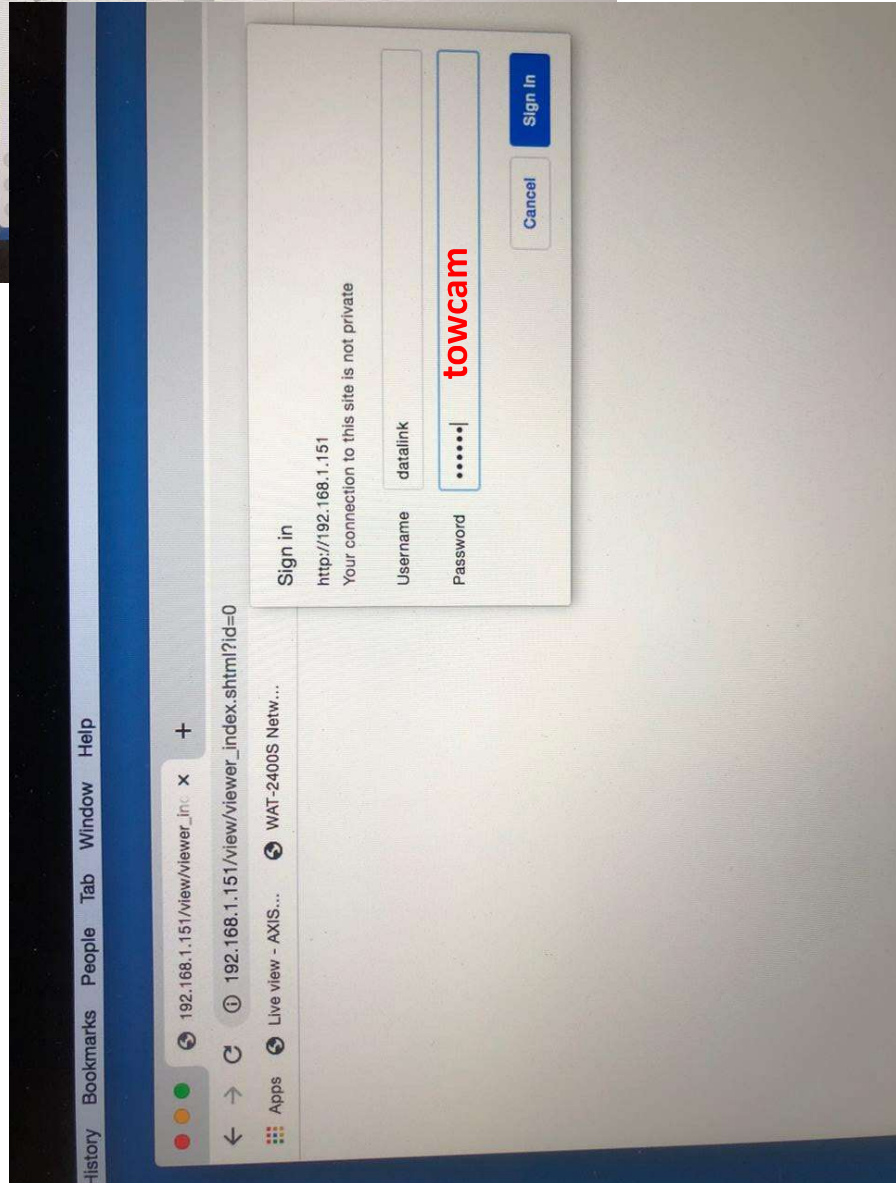
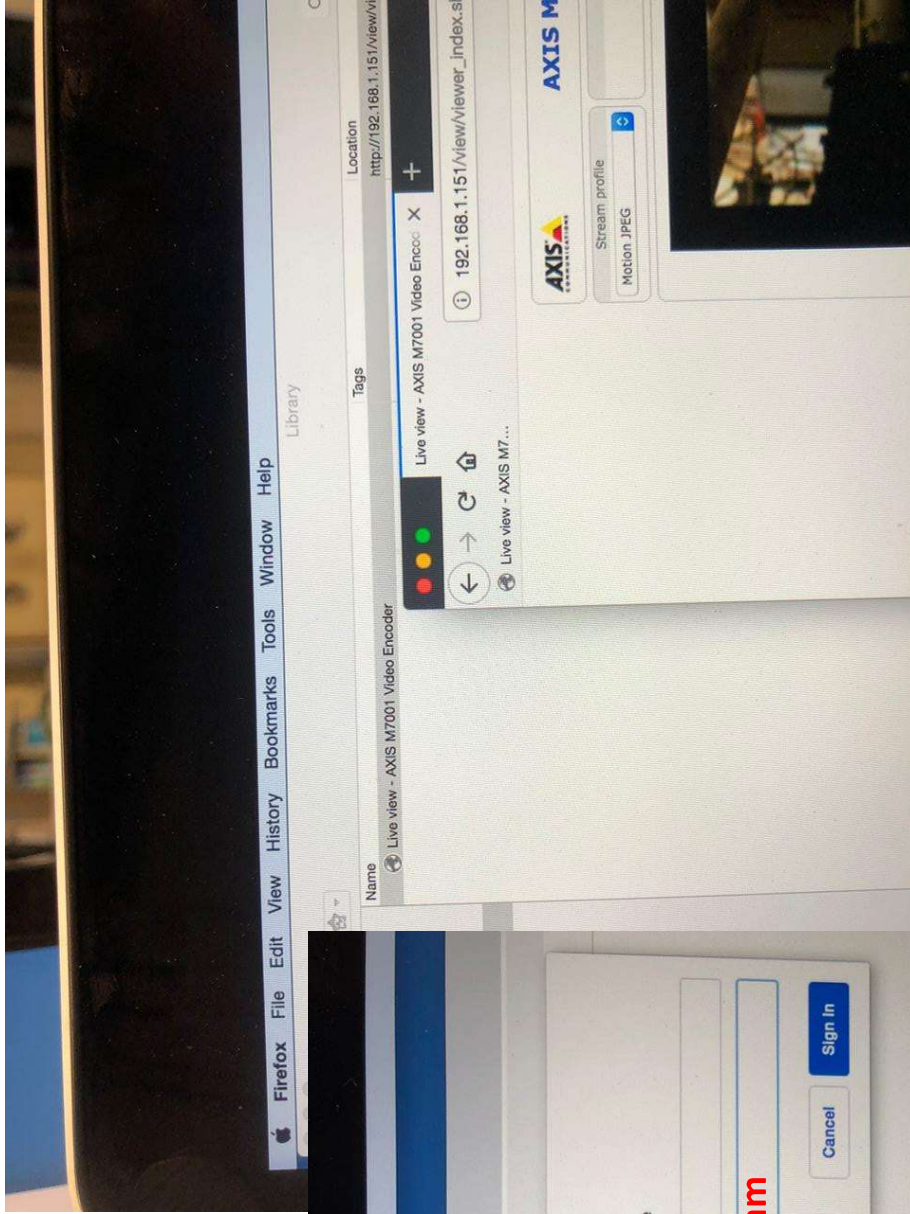
VERY
IMPORTANT

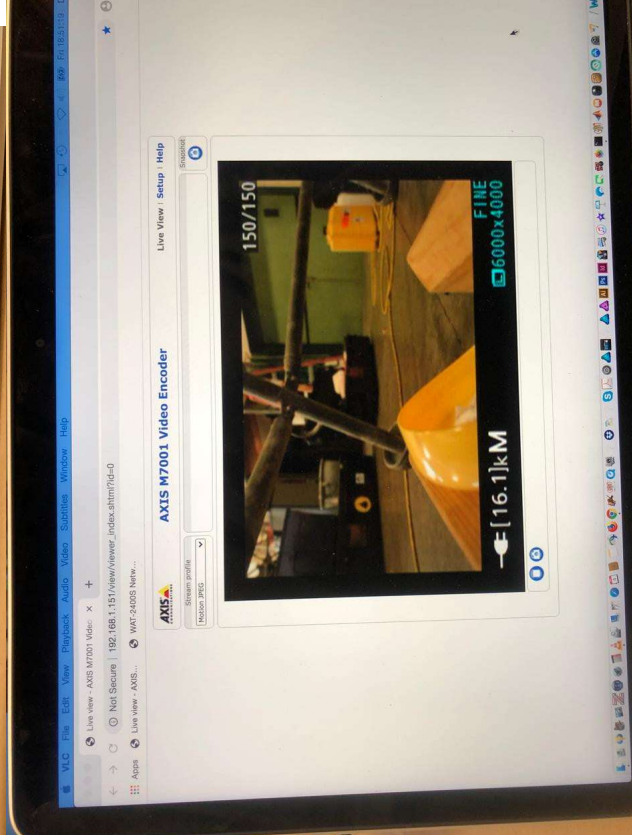
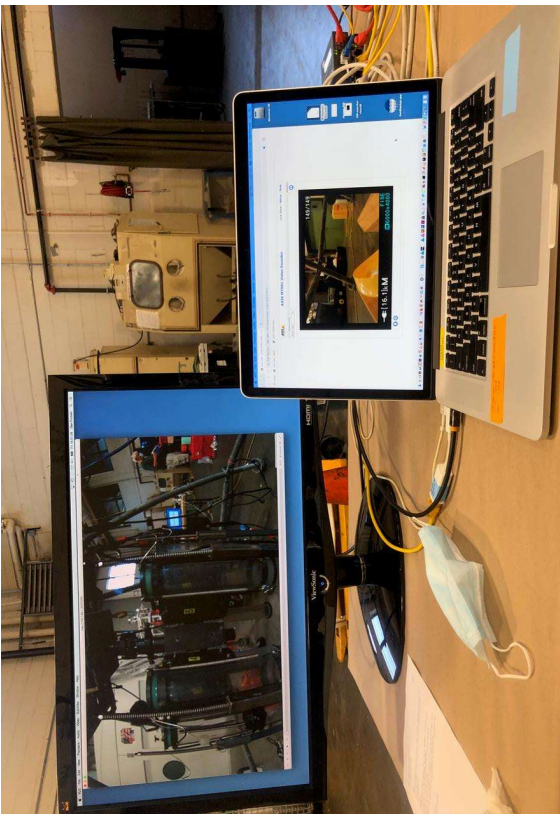
MISO laptops
must retain
their IP
settings –

Manual IP and
set to
192.168.1.201
and
192.168.1.202
ONLY



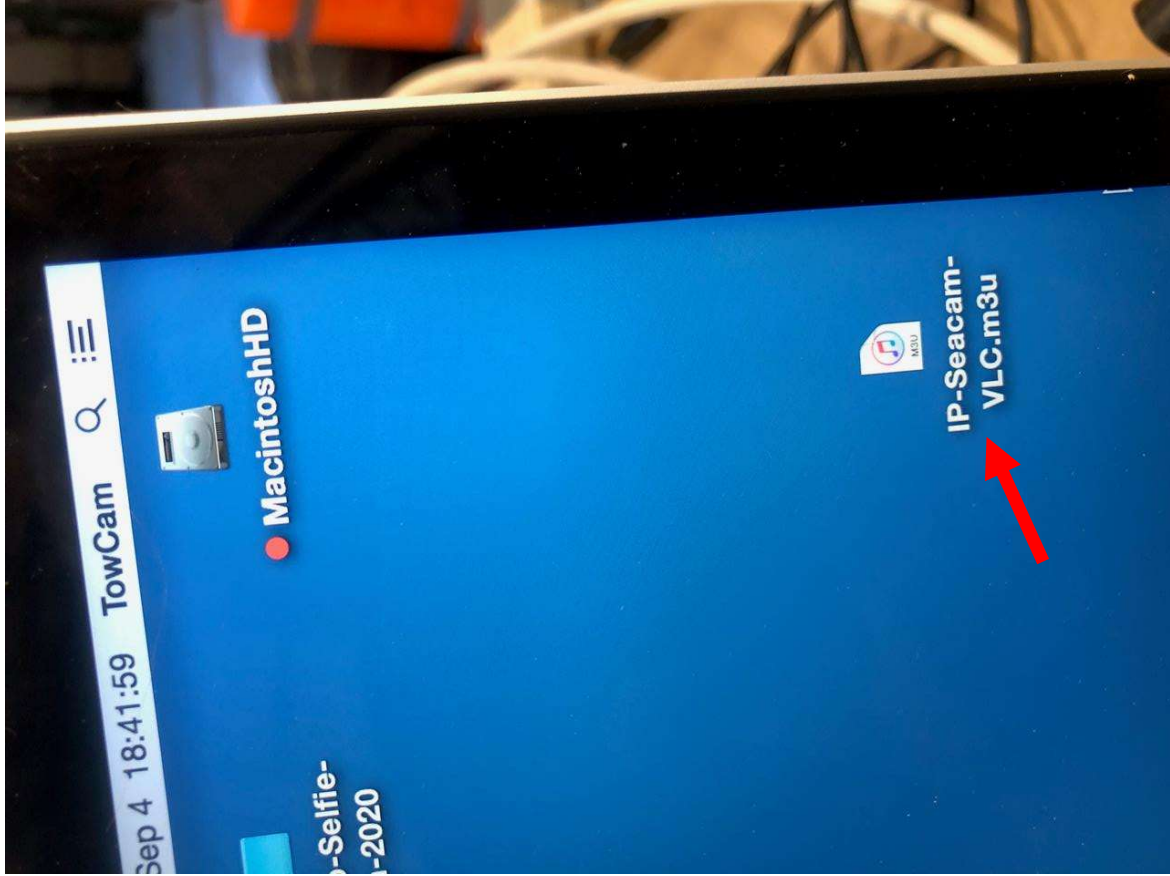
OIS camera connects via a browser link in Firefox – it is in the bookmarks – these images show the IP and username and password “**towcam**”

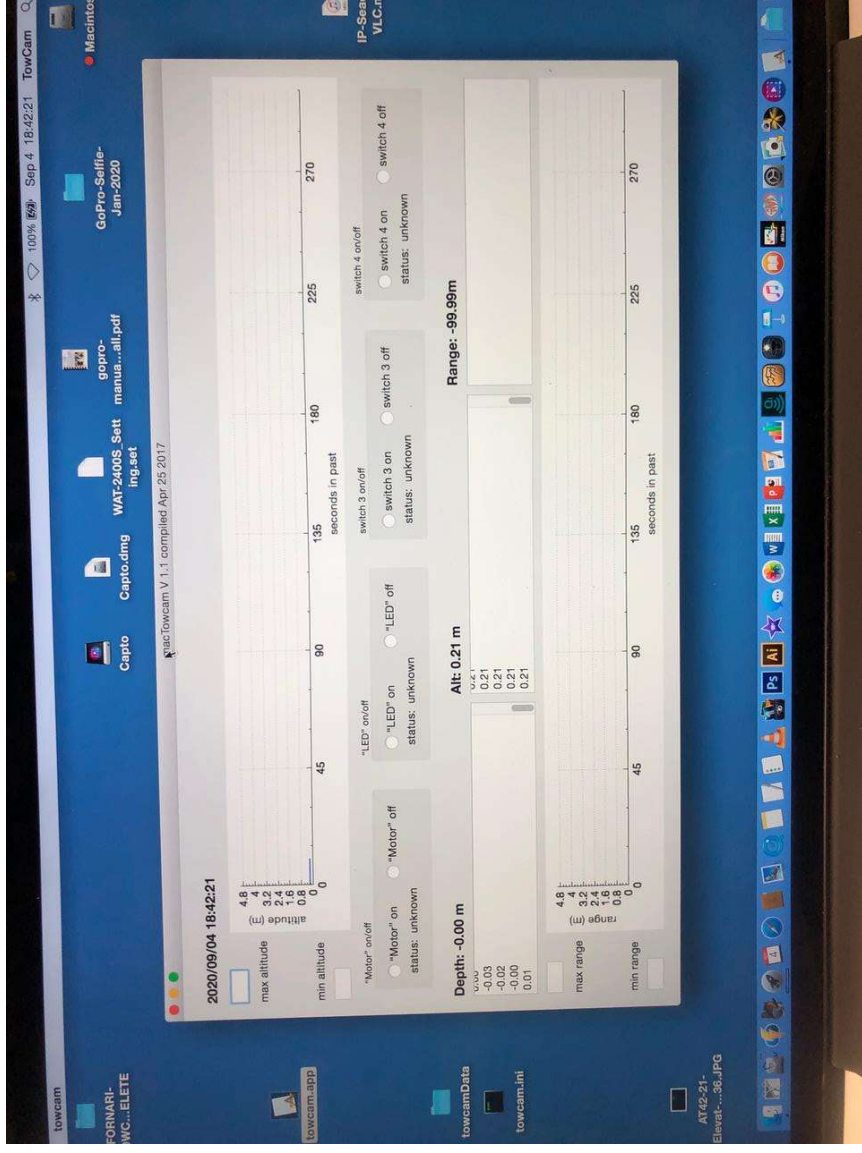
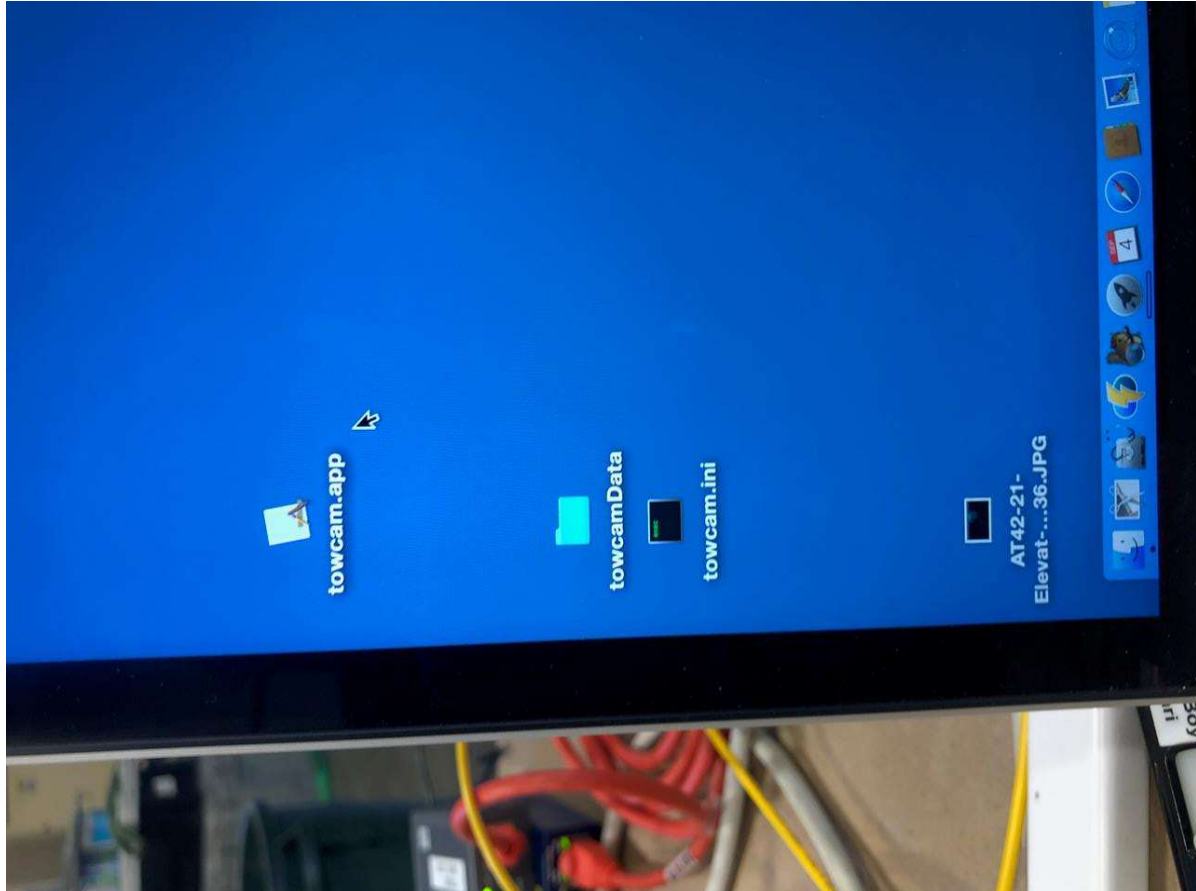




MISO imaging laptops showing OIS cam on laptop and HD camera view on monitor
Laptop display settings should be accessed in apple pulldown under 'System Preferences'

VLC IPseacam quicklink is on desktop (red arrow)





MISO laptop used for monitoring the depth and altitude 1Hz data from the Valeport VA500P altimeter (top)

Towcam 'App' is accessed by double-clicking on shortcut on the desktop (left photo)