

IMOS FVON /FishSOOP Installation Checklist

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| Vessel Name: | otone places and a convert his |
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| Date of Installation: | steps, please send a copy of this form to fishsoop@unsw.edu.au ** |
| Installed by: | |
| Deck unit number: | Deck Unit is showing a green flash for GPS (go outside - ensure deck unit can see the sky to fix location after being switched on) |
| Sensor number(s): | ☐ Visually check SIM card is inserted (SIM should already be inserted fully with gold contacts down and triangle to the left and should not require interference) |
| | O-ring is present behind the clear side door (visual check) |
| Pre-Installation Checklist | O-ring is greased sufficiently (visual check) |
| | Screws for the side door are screwed down tightly (O-ring flattened) |
| (2 <u>weeks</u> prior <u>minimum</u>): | Sufficient mobile signal at port for deck unit comms (Check with UNSW Fleet Manager) |
| Communication with Fishing Vessel: | , |
| ☐ Vessel Agreement form has been emailed to the correct contact for fishing vessel | Sensor/s: Sensor/s are in appropriate housing specific for fishing type with |
| Agreement form has been filled in and signed and returned (or | serial numbers written on the exterior |
| confirmation that it can be signed on the day if not prior) | Communication with UNSW: |
| ☐ Date, time and location of installation has been confirmed with fishing vessel | ☐ Notified FishSOOP team at UNSW about: |
| Communication with UNSW: | Vessel name and location (country and home port) |
| ☐ Notified FishSOOP team at UNSW about: | Deck unit serial number and sensor serial numbers intending to be installed |
| Vessel name and location (country and home port) | ☐ Intended date/time of installation |
| ☐ Intended date/time of installation to ensure availability | Email address to receive test cast data on the day of installation |
| (2 <u>days</u> prior <u>minimum</u>): | Packed Equipment for day of Installation: |
| Deck Unit: | ☐ Correct Deck Units |
| Deck Unit has been turned on (ON/OFF switch arrow is pointing to ON position) | ☐ Correct Sensor/s in their correct housing with serial numbers visible ☐ U-bolts for Deck Unit |
| Deck Unit is showing a green flash for battery | ☐ Tools/tool kit as per IMOS specifications |





| Printed version of this list | Confirmation that the Deck Unit has communicated with |
|--|--|
| Printed version of vessel agreement (filled in) | the server: |
| ☐ Minimum two printed and laminated FishSOOP installation instructions/FAQ for ship crew | Sensor/s have sent data to Deck Unit (blue data light on Deck Unit illuminated following test cast/s (* this is brief so |
| Clipboard and pens | ensure you are watching! *) |
| Tablet or phone with cell service for accessing all documents and the email that the test cast will be sent to | Data received to your elected email (If you have any issues confirming on your own, email |
| Day of Installation Checklist | (<u>fishsoop@unsw.edu.au</u>) or WhatsApp UNSW Fleet Manager to confirm communications) |
| Deck unit – hardware check | Online Metadata form (JotForm) |
| ON/OFF switch arrow is pointing to ON position | ☐ Metadata JotForm completed with all details including: |
| Screws for the side door are screwed down tightly (O-ring | Email addresses for the data delivery |
| flattened) | Deck unit and sensor serial numbers |
| Deck unit Mounting Location | Photos of every page of vessel agreement |
| _ | *This is critical for data delivery* |
| Suitable and safe mounting location has been identified with the skipper / captain: | Photographs to Take: |
| < 20m from location where sensors /nets/ lines come onboard after deployment | Phots of every page of the completed vessel agreement |
| Clear view to the sky – GPS and solar charging, | Photographs of installation taken as follows: |
| Strong mobile signal (test with phone) | Sensors in tough jackets with appropriate attachment/s showing serial numbers |
| Preferably 45° angle due to tropical installation | Deck Unit mounted in place showing serial number |
| Out of the way of fishing operations | Clear side panel on Deck Unit showing power ON |
| Sensor mounting | Sensor/s on fishing equipment – showing attachment method |
| Solution for sensor installation established appropriate to fishing type: *see final page for examples* | Happy snaps of vessel and crew if appropriate. Let them know we welcome additional photos/videos of deployment |
| More than one attachment point | at any time! |
| Comms & Test cast | |
| Ensure deck unit and sensors are tested in the position they will be located during fishing operation | Confirm the vessel is happy for us to mention (by name) their participation in the program |
| Ensure Deck Unit is on | Fishing Operations |
| ☐ Two green lights evident on Deck Unit (Battery and GPS) ☐ Sensor test cast conducted* | Estimated date of next fishing endeavour: |





Post-Installation Checklist:

Day of or 1-2 days after installation:

| Photo distribution: |
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| ☐ Vessel Agreement photos or scanned copy are returned to FVON coordinator and/or appropriate point of contact in country. |
| Photographs of installation sent to fishsoop@unsw.edu.au or uploaded on JotForm: |
| Phots of every page of completed vessel agreement |
| Sensors in tough jackets with appropriate attachment/s showing serial numbers |
| Deck Unit mounted in place showing serial number |
| Clear side panel on Deck Unit showing power ON |
| Sensor on fishing equipment – showing attachment method |
| All Photos from the installation day are uploaded to One Drive in correct folder |
| 1-2 weeks after installation |
| Photos of sensor/s and deck unit on fishing equipment/vessel in action (during fishing etc.) sent to |

fishsoop@unsw.edu.au (or WhatsApp to UNSW Fleet

*Slowly lower the sensor into water (clear of any discharges or other disturbances) at a rate of ~1m/second to a depth between 2-10m. Leave for 1 minute, then recover at ~1m/second to communicate



Manager)



Purse Seine Attachment

Requirements:

- Sensor within simple net basket (see photo 1) *water must be able to flow through sensor so only 1-2 layers of net!

- Sensor basket is attached with more than 1 point of contact to main net (see photo 2)

Installed ~50cm above the lead line (photo 3) and on the deepest part of the net in the middle

(photo 4)

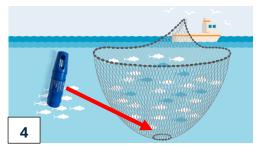






Install about 50cm above the lead line

Deepest part of the net in the middle





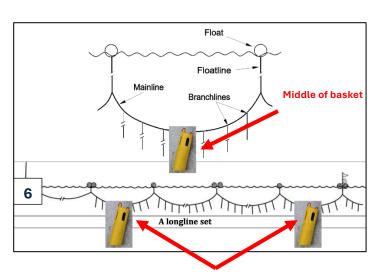


Long Line Attachment

Requirements:

- Two separate points of attachment (photo 5). Do not use only one
- Monofilament (not wire) used for tether (photo 5)
- Sensor attached in the middle of a basket to achieve greatest depth.
- Sensor/s appropriately and evenly spaced along mainline





Evenly spaced along mainline

