

Figure 1-1 GPS module and its location on the pedestal.

Before You Start



General warnings and instructions!

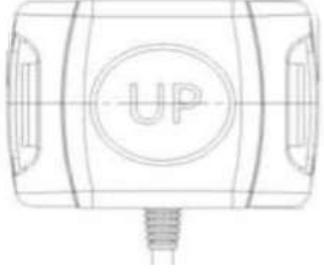
WARNING!

- Only qualified and authorized personnel are allowed to carry out system service/maintenance procedures.
- Do not place any tools or parts on the Base Plate. This may damage the pedestal while it is being repositioned during the replacement procedure.

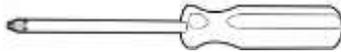
Before starting the procedure:

- Open the radome hatch. Inside the RADOME, Switch off the ADE Power Box at the Antenna pedestal base.
- Manually rotate the pedestal axes to gain convenient access to the serviced unit.

1. Applicable for : (P/N: OTRx-GPS-001-SP)

Quantity	Description	
1	GPS module	
1	USB flash drive	

2. Required tools

Tool/Part Name	Figure
Philips screwdriver (small)	
Tie cutter	
Open/ring wrench 11, 8mm and	
Allen keys: 4mm, 3mm T-handle	

3. Removing the GPS

Step 1.

Cut the tie wraps securing the GPS module to the PS cover from the ACU

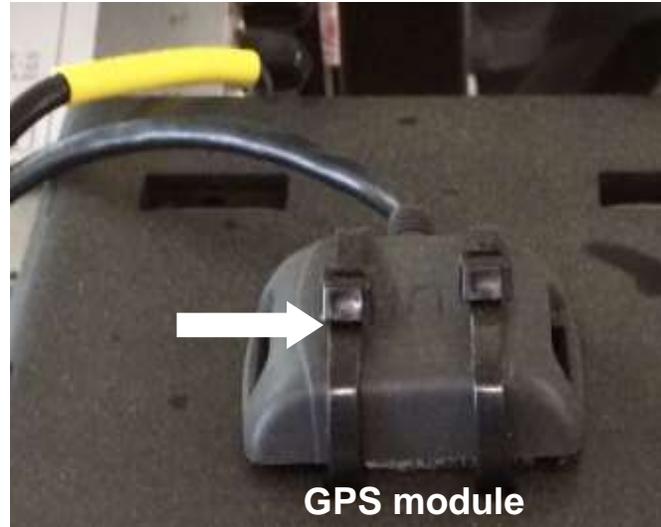


Figure 2 GPS module Tie Wraps

Step 2.

Remove the GPS USB plug from the ACU



Figure 3 Disconnecting GPS connector

Step 3.

Release the GPS cable from the cable harness between the ADMx and ACU.

Remove the GPS module



Figure 4 GPS cable routing

4. Installing the GPS

- Step 1. Attach the GPS module to the PS cover using tie warps.



Figure 5 GPS Mounting

- Step 2. Attach the GSP USB plug to the ACU. Make sure you re connected to the port labeled GPS



Step 3.

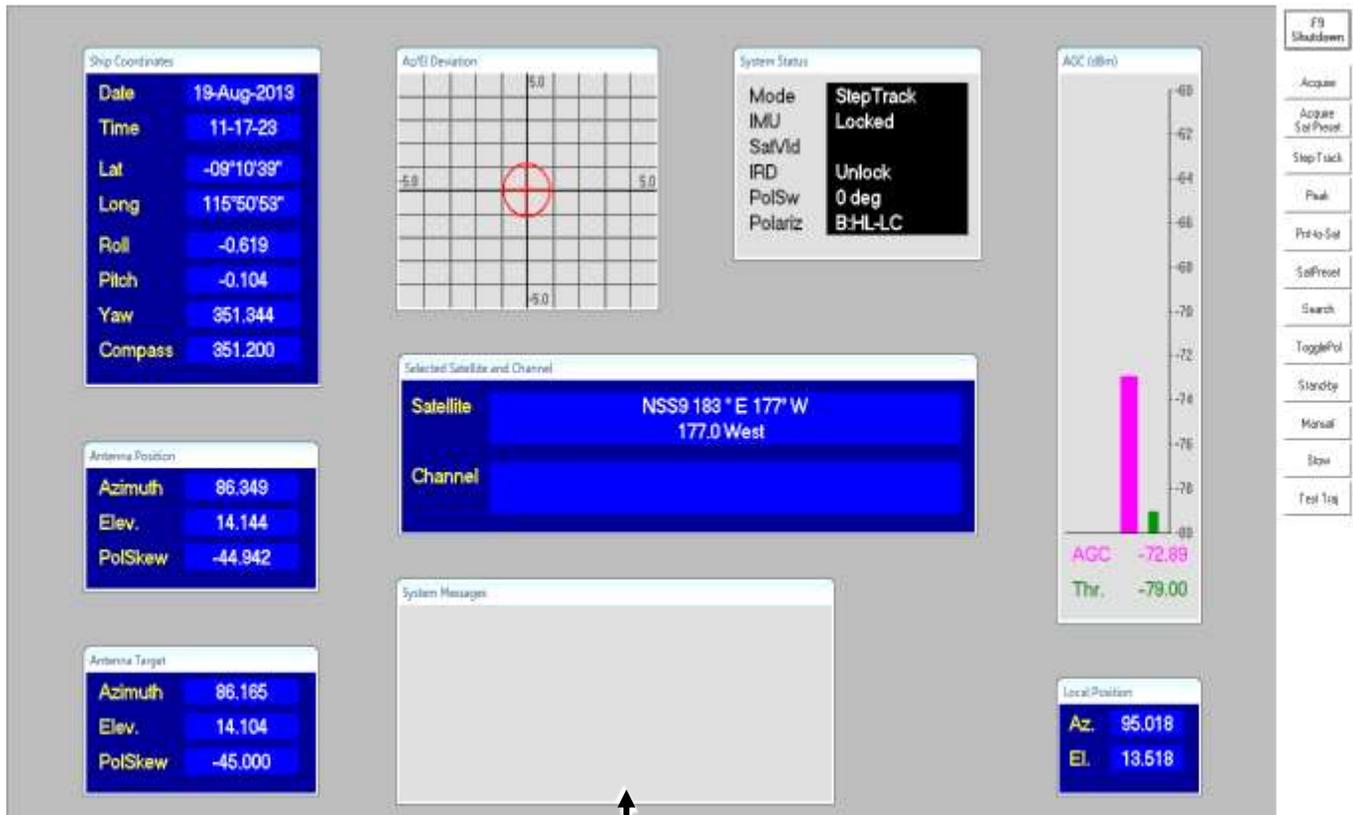
- Route the GPS cable to the ACU
- Secure the cable using tie wraps
- Excessive cable length should be looped near the ADMx



Figure 6 Routing the GPS cable

5. Verifying system function

1. Start up the system (see the *OceanTRx4™ Installation and Operation Manual*).
2. Verify that all MTSVLINK fields are populated and there is no WRN 002 at system messages.
3. Wait at least 5 minutes to allow the GPS module to give sufficient time for GPS position FIX
4. Acquire satellite and verify appropriate AGC and no error (ERR) or warning (WRN) messages show



No error messages