

# CAMPAIGN DEPLOYMENT REPORT (ERICEIRA – LOTE 4)

**EOL-LO409-V03** 

10/07/2025





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#### 1. Introduction

EOLOS Floating Solutions has successfully completed the deployment of its metocean buoy unit FLS200 E42 at the Ericeira Site, for the LNEG wind and metocean measurement campaign.

This document provides a summary of the buoy commissioning at its installed location offshore during the 25<sup>th</sup> of June 2025.

All relevant information regarding the offshore operation is explained in this document.

#### 2. Overview

This section describes the buoy and mooring characteristics and provides the coordinates where the buoy was deployed.

#### 2.1. Buoy Specifications

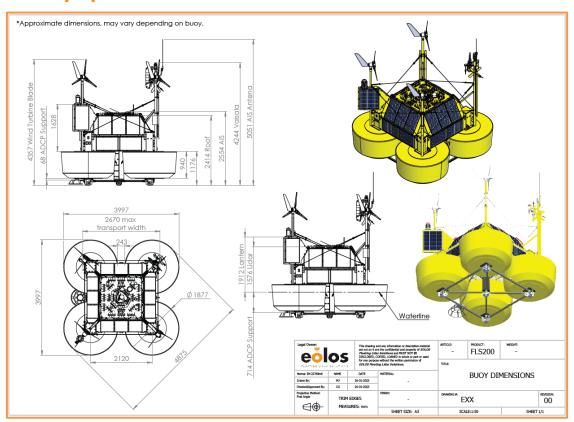


Figure 1: FLS200 E42 general arrangement.

EOLOS	EOLOS FLS200 buoy main dimensions (mm)			
Α	External width with floaters	3997		
В	Max. diagonal width (with floaters)	4878		
С	Total height with masts (including wind generator)	5300		
D	Total height without masts	2551		
E	E Height from floaters deck to top of buoy cover 1250			
F	Minimum distance between floater deck and wind generator	2150		

Table 1:. FLS200 E42 main dimensions.





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#### 2.2. As Laid Mooring

The EOLOS FLS200 E42 buoy at the Ericeira Site has a standard mooring assembly, common for all units, and a site-specific mooring design.

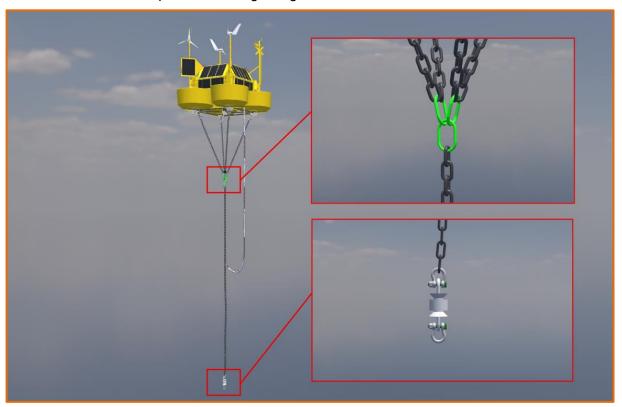


Figure 2: Standard upper mooring lay out and auxiliary/recovery line connection distance.



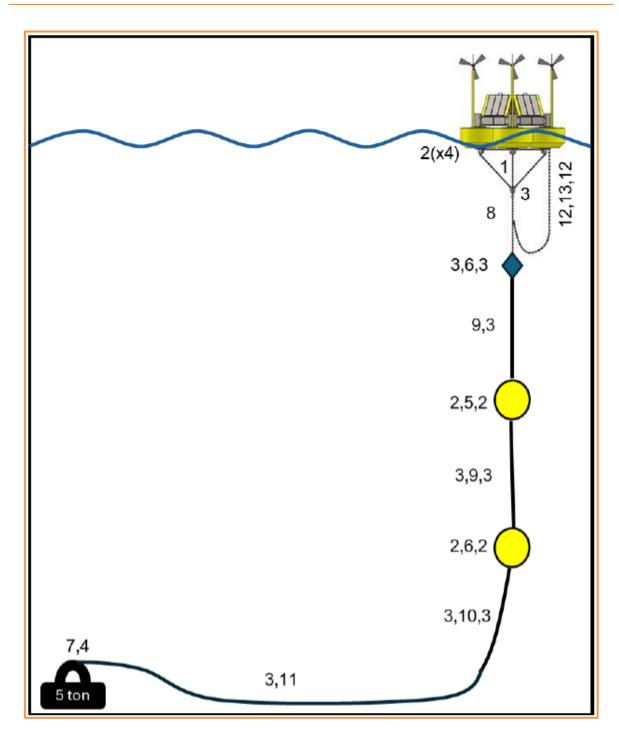


Figure 3: LO4 (Lote 4) project mooring layout.





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Dat	•			
Approv	-			
Design	ed by:	A. Herrera		
13	1	16 mm G2 STUDLESS CHAIN	66	10
12	2	6.5T Safety bow shackle	63	0,1
		AUXILIARY RECOVERY LINE		
11	1	36mm G2 STUDLESS CHAIN	336	200
10	1	28mm G2 STUDLESS CHAIN	204	40
9	2	28mm G2 STUDLESS CHAIN	204	20
8	1	28mm stabilizing chain	204	10
7	1	STEEL CLUMP WEIGHT 5,0 t		
6	1	38mm SWIVEL ASSEMBLY (SWL 20.5t)	201	0,3
5	2	230kg Net Buoyancy Midline Buoy	215	1,3
4	1	25T Safety bow shackle	245	0,3
3	9	13.5T Safety bow shackle	132	0,2
		MOORING BRIDLE		
2	8	12t SWL Safety bow shackle	118	0,2
1	1	26mm, 4-Leg chain to 1-Chain Assambly	392	4
		EOLOS FLS200		
		FLS200 Standard Mooring Assembly		
			[kN]	[m]
Item	Qty	Equipment	SWL	Length
SIT	ΓE	LO4		E42
REVISION CREATED BY		17/12/2024	WATER	DEPTH 75 m
		00	FLOATING LIDAR SOLUTIONS	
Docum	ent ref	EOL-ML-LO4	leo	los
Clie	ent	LNEG	-	

Table 2: Bill of material (Lote 4).





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#### 2.3. Installation Locations

The EOLOS FLS200 E42 was installed at the following coordinates.

FLS200 Unit	LAT:	LONG:	Depth (m)
FLS200 E42	39° 5' 12.161" N	9° 37' 56.108" W	
Ericeira (Lote 4)	39° 5.20268' N	9° 37.93513' W	74,5
Project Coordinates	39.086711° N	9.632252° W	
FLS200 E42	39° 5' 12.450" N	9° 37' 56.328" W	
Ericeira (Lote 4) Final	39° 05.2075' N	9° 37.9388' W	76
Coordinates	39.086792° N	9.632313° W	

Table 3: FLS200 Buoy Coordinates



Figure 4: Ericeira - LO4 site location on map.



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#### 3. Vessel

Vessel Name: Jif Mairi



Figure 5: Vessel selected for the operation and its specifications.



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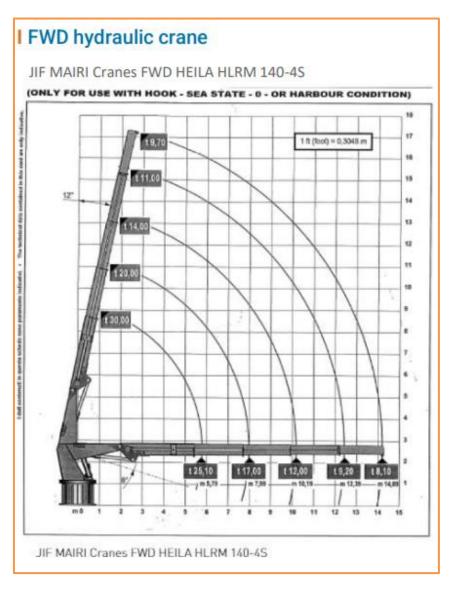


Figure 6: Crane diagram



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#### 4. Deploy Operation

#### 4.1. Personnel Onboard

Name	Position	Company	Location
Hector Casas	Party Chief	EOLOS	Offshore
Naim Muñoz	Field Engineer	EOLOS	Offshore
	Captain	Jifmar	Offshore
	Crane Operator	Jifmar	Offshore
	Chief Engineer	Jifmar	Offshore
	Deck Hand	Jifmar	Onshore

Table 4: People involved in the operations.

#### 4.2. Weather forecast

The maximum forecasted weather conditions were:

Hs(m)	Hmax(m)	Wind speed (m/s)
0.71	2.54	4.2

Table 5: Weather conditions during the operations.

#### 4.3. Procedure

On the morning of June 25, the EOLOS personnel mobilized in Aveiro together with the port stevedores transferred the FLS200 E42 and its associated mooring system from the storage area to the guayside where the MV Jif Mairi was berthed.

Using the vessel's forward crane, two chain lengths -100 meters each, of 36mm diameter-were loaded on board. One of the chain length was flaked out on the port side near the roller, while the other one was spooled onto the winch. 100 meters of the chain were wound onto the drum, with the remaining 100 meters stowed on the starboard side.





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Figure 7: 32mm chain spooled onto the main winch drum.

Following the chain loading, the 5-ton cast iron sinker was brought on board, secured between the towing pins, and connected to the 36mm chain spooled on the winch. The midline floaters, along with the 40-meter segment + the 20-meter segment of 28mm studless chain, were loaded. The chains were flaked out on the starboard side near the roller, and the floaters were positioned forward of the chain.

Additionally, the 10-meter upper mooring chain was loaded and routed aft of the forward crane. Finally, the FLS200 E42 was loaded and stowed near the starboard-side opening. All shackles were connected and welded, and the buoy, chains and floaters were securely lashed for transit.





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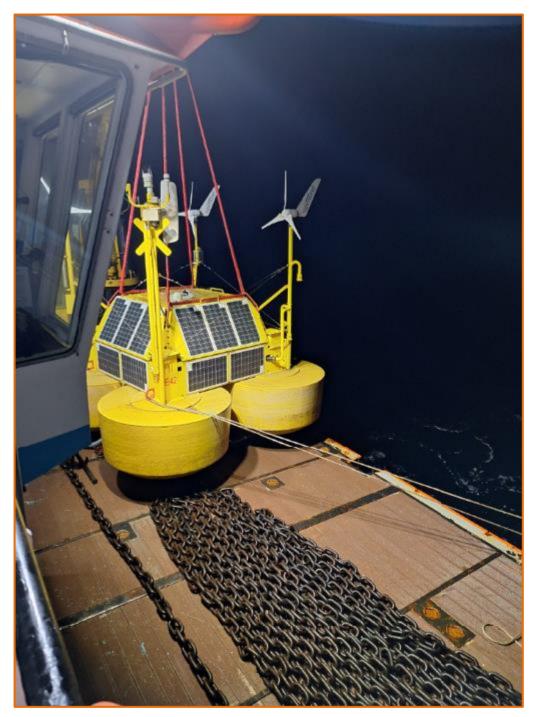


Figure 8: Deck arrangement.

At 10:00 (UTC), after notifying the Aveiro port pilots, the MV Jif Mairi departed for the Ericeira site, arriving approximately at 21:30 (UTC).

Before starting the buoy deployment, a TBT was held at the bridge with all involved personnel at 22:15 UTC. The operation began with the preparation of the Seacatch Quick Release arrangement on the crane hook, connecting one end of the sling to the quick release and the other end to the crane hook, next the swivel was secured on deck and the upper mooring chain thrown overboard on the starboard side. The buoy FLS200 E42 was lifted and lowered onto the water surface through the starboard-side opening. Once afloat, the crew activated the quick





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release mechanism and removed the slings from the buoy. The taglines were detached, and the skipper maneuvered the vessel to position the buoy near the bow roller.

As the vessel slowly moved away from the buoy, the securing point on the bow was released, triggering a free fall of the first 40 meters of 28 mm chain. This segment dragged the first midline floater, the second 40-meter segment of 28 mm chain, and the second floater into the water. A pre-installed securing point below the second floater arrested the fall of the chain.

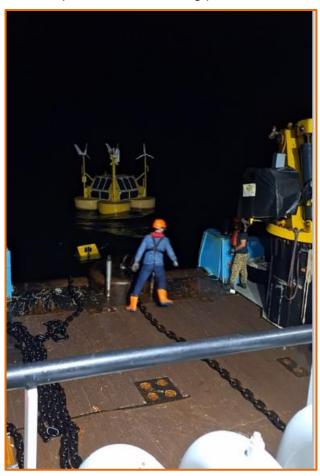


Figure 9: Deployment of floaters.

The operation continued with the deployment of the clump weight. The crane was attached to the 32 mm chain near the anchor and lifted it to the water surface. The winch was then heaved in, transferring tension from the crane to the winch and allowing safe disconnection of the crane. With the crane detached, the 32 mm chain spooled on the winch was gradually paid out until only the last meters remained near the roller.





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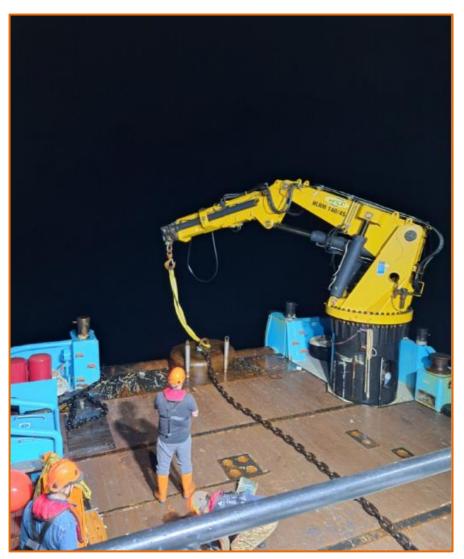


Figure 10: Deployment of CW.

At this point, both the crane and the tugger winch were connected to the 32 mm chain to act as temporary securing points. This setup allowed the winch to be disconnected from the deployed chain. The remaining 32 mm chain, previously stowed on the starboard side, was then spooled onto the winch drum and connected to the other segment near the stern roller. Heaving in on the winch released the tension from the crane and tugger winch, which were subsequently disconnected. The remaining 32 mm chain was then paid out.

To manage the final section of the chain, the crane was used to stop the last few meters, facilitating disconnection from the main winch. The chain was then connected to the 28 mm chain that had been previously flaked out on the port side.

Once the shackle between the 32 mm and 28 mm chains was connected and welded, the quick release mechanism was rigged to the main winch wire. Two 6-meter-long slings (SWL 3t) were connected to the mooring line onboard: one at the connection between the 32 mm and 28 mm chains, and the other below the securing point beneath the second midline floater.

After passing the safety pin of the quick release, the captain heaved in the main winch wire, transferring tension to the quick release and allowing all remaining securing points to be safely disconnected.





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To finalize the deployment, the crew cleared the deck and moved to the vessel bridge, from where the quick release was activated. Upon release, the 20 meters of 28 mm chain free-fell into the water, completing the deployment of the FLS200 E42 buoy at the Ericeira site. At 23.15 UTC, the EOLOS engineer onboard *Jif Mairi* confirmed the successful completion of the Site Acceptance Test (SAT), and the vessel began its return voyage to the Port of Aveiro.

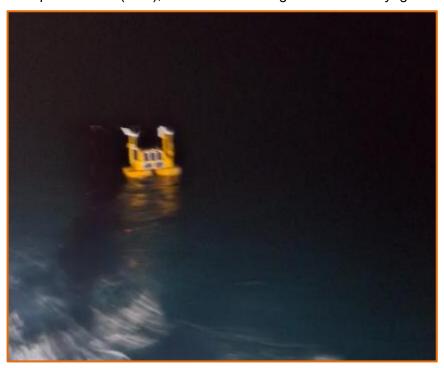


Figure 11: SAT completed.

#### 5. HSE

A summary of HSE performance during the project preparation, commissioning, mobilization, and installation phases of the project is detailed below.

#### 5.1. Project risk assessment and method statement

The RAMS document *EOL-LO404-V01-OPS-RAMS* for Campaign Deployment details the health, safety, and environmental risks, and deployment methodologies, associated with the deployment of the FLS200 E42.

#### 5.2. Vessel inductions and emergency drills

A vessel induction was given by the vessel chief officer for the EOLOS personnel as they joined the Jif Mairi on the 25<sup>nd</sup> of June 2025.

#### 5.3. HIRA meeting & Toolbox talk

A HIRA meeting and Toolbox Talks were carried out with all bridge and back deck personnel before all operations. The TBTs included:

 A review of the recovery methodology for the FLS buoy by the project RAMS document.





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- Review safety on the back deck with regards to moving chains, rope, and bights on deck.
- EOLOS Party Chief and Captain overseeing back deck operations from the bridge, with constant VHF communications.

#### 5.4. Incidents, accidents, and near misses

No HSE incident, accidents or near misses were detected during the maintenance operation.

	Hazard Observations	
Incident / Near Miss / Accident	Description	Lesson Learnt
N/A		

Table 6: Hazard Observations





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#### **6. Daily Progress Report**

25<sup>th</sup> of June 2025: Buoy deployment at the Ericeira Site.

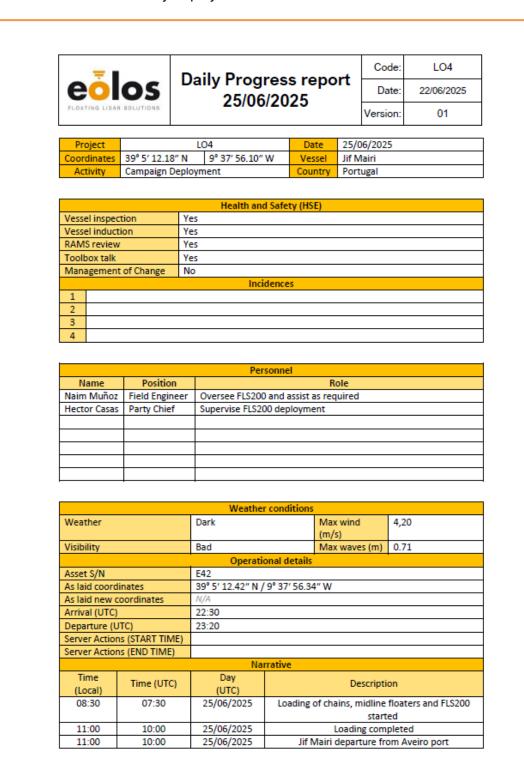


Figure 12: Daily Progress Report (1/2)

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### Daily Progress report 25/06/2025

Code:	LO4
Date:	22/06/2025
Version:	01

22:30	23:30	25/06/2025	Arrival at the Ericeira (LO4) site
22:41	23:41	25/06/2025	FLS200 E42 lifted on the water
22:49	23:49	25/06/2025	Midline floaters released
22:57	23:57	25/06/2025	Starts deployment of clump weight
23:15	00:15	25-26/06/2025	Lower mooring released. FLS200 deployed
23:20	00:20	25-26/06/2025	SAT completed
23:20	00:20	25-26/06/2025	Navigation to Aveiro port started.

#### Service visit details and outcomes

#### Work completed

- Loading of chain, midline floaters and FLS200 E42 onboard Jif Mairi.
  - Navigation to Ericeira (Lote 4) site.
  - Deployment of FLS200 at the Ericeira site.

#### Proposed work for the next 24 hours

- Navigation back to Aveiro Port.
- Loading of FLS200 E02 and its mooring system.
  - Navigation to Viana (Lote 1) site.
- Deployment of FLS200 E02 at the Viana site.

#### Reference documentation

EOL-LO404-V02-OPS-RAMS for Campaign Deployment

#### Comments (Challenges and issues)

ature:
Lesc.

Figure 13: Daily Progress Report (2/2)



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#### 7. Appendix 1: Site Acceptance Test (SAT)

#### **Site Acceptance Test - Certificate**

Project:	Ericeira (lote 4)
Client:	Laboratorio Nacional de Energia i Geologia (LNEG)
FLS200:	E42
Supplier:	EOLOS Floating Lidar Solutions
Inspection place:	Ericeira Site
Inspection Date:	25/06/2025

Table 7: Site Acceptance Test details.

#### **Testing**

Item Tested	Yes/No/NA	Comments
LiDAR	Yes	Capturing data at correct heights
ADCP	Yes	Capturing data at correct depth
Wave	Yes	Capturing data
Weather Station (Airmar)	Yes	Capturing data
Weather Station (Vaisala)	Yes	Capturing data
Compass (Roof)	Yes	Heading: 296.40°
Compass (Mast)	Yes	Heading: 294.70°
Fuel Cell	Yes	No errors
Wind turbine (East)	Yes	Producing energy
Wind turbine (East)	Yes	Producing energy
Wind turbine (East)	Yes	Producing energy
Solar Panels	Yes	Producing energy
AIS	Yes	Communicating
Navigation Light	Yes	Flashing
4G Neptulink	Yes	Communicating
Satellite Iridium (Roof)	Yes	Communicating
Satellite Iridium (Mast)	Yes	Communicating

Table 8: Instruments tested.





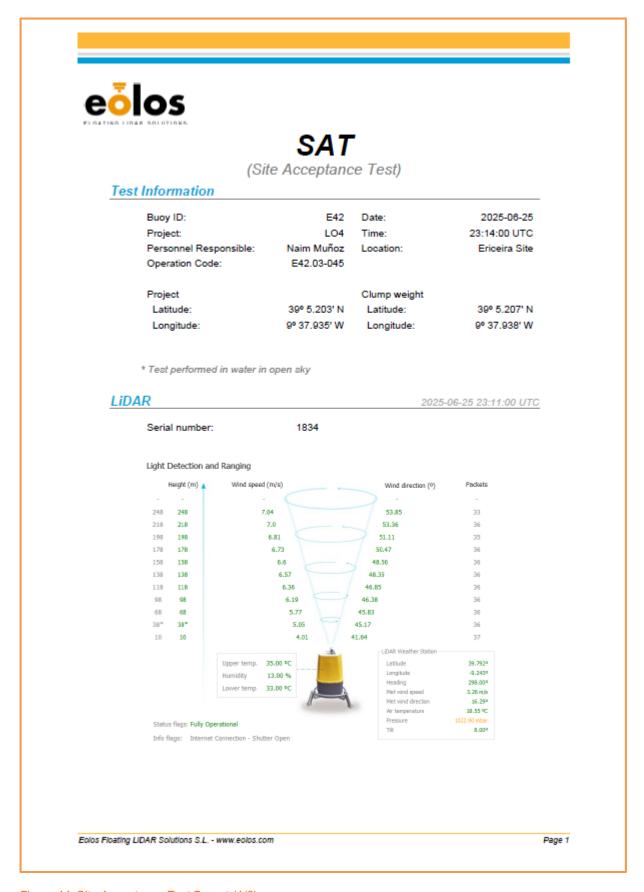


Figure 14: Site Acceptance Test Report (1/6).



Temperature: 18.23 °C Pitch: 0	1 5 9 2 7 9 3 2 2 2 2 9 8 8
Depth (m)         Velocity (m/s)         Direction (°)         Depth (m)         Velocity (m/s)         Direction (°)           4.2         0.353         52.5         44.2         0.155         60.1           6.2         0.292         54.2         48.2         0.15         59.5           8.2         0.262         67.1         48.2         0.157         67.9           10.2         0.315         77.0         50.2         0.141         70.2           12.2         0.343         74.8         52.2         0.212         66.7           14.2         0.333         79.8         54.2         0.25         67.9           16.2         0.336         79.9         56.2         0.243         71.3           18.2         0.304         71.2         58.2         0.249         74.2           20.2         0.354         71.1         60.2         0.216         72.2           22.2         0.289         64.1         62.2         0.246         64.2           24.2         0.252         57.9         64.2         0.253         63.9           26.2         0.189         62.9         66.2         0.228         76.8	3.10° tion 1 5 9 2 7 9 3 3 2 2 2 9 8 8 8 7
Depth (m)         Velocity (m/s)         Direction (°)         Depth (m)         Velocity (m/s)         Direction (°)           4.2         0.353         52.5         44.2         0.155         60.1           6.2         0.292         54.2         46.2         0.15         59.5           8.2         0.262         67.1         48.2         0.157         67.9           10.2         0.315         77.0         50.2         0.141         70.2           12.2         0.343         74.8         52.2         0.212         66.7           14.2         0.333         79.8         54.2         0.25         67.9           16.2         0.336         79.9         56.2         0.243         71.3           18.2         0.304         71.2         58.2         0.249         74.2           20.2         0.354         71.1         60.2         0.216         72.2           22.2         0.289         64.1         62.2         0.246         64.2           24.2         0.252         57.9         64.2         0.253         63.9           28.2         0.189         62.9         66.2         0.228         76.8	1 1 5 9 2 2 7 7 9 9 3 3 2 2 2 2 2 9 8 8 8 8 7 7
(m) (m/s) (9) (m) (m/s) (9) 4.2 0.353 52.5 44.2 0.155 60.1 6.2 0.292 54.2 48.2 0.15 59.5 8.2 0.262 67.1 48.2 0.157 67.9 10.2 0.315 77.0 50.2 0.141 70.2 12.2 0.343 74.8 52.2 0.212 68.7 14.2 0.333 79.8 54.2 0.25 67.9 16.2 0.336 79.9 56.2 0.243 71.3 18.2 0.304 71.2 58.2 0.249 74.2 20.2 0.354 71.1 60.2 0.216 72.2 22.2 0.289 64.1 62.2 0.246 64.2 24.2 0.252 57.9 64.2 0.253 63.9 26.2 0.189 62.9 68.2 0.228 76.8 28.2 0.187 64.0 68.2 0.228 76.8 30.2 0.081 66.0 70.2 0.284 67.7 32.2 0.051 24.5 72.2 0.29 72.6 34.2 0.058 43.6 76.2 0.412 80.8 38.2 0.028 210.3 78.2 0.318 72.2 40.2 0.024 90.0 80.2 0.383 59.4 42.2 0.076 62.4 82.2 46.34 225.0	1 5 9 2 7 9 3 2 2 2 2 9 8 8
4.2       0.353       52.5       44.2       0.155       60.1         6.2       0.292       54.2       46.2       0.15       59.5         8.2       0.262       67.1       48.2       0.157       67.9         10.2       0.315       77.0       50.2       0.141       70.2         12.2       0.343       74.8       52.2       0.212       66.7         14.2       0.333       79.8       54.2       0.25       67.9         16.2       0.336       79.9       56.2       0.243       71.3         18.2       0.304       71.2       58.2       0.249       74.2         20.2       0.354       71.1       60.2       0.216       72.2         22.2       0.289       64.1       62.2       0.246       64.2         24.2       0.252       57.9       64.2       0.253       63.9         26.2       0.189       62.9       68.2       0.228       76.8         30.2       0.081       66.0       70.2       0.284       67.7         32.2       0.051       24.5       72.2       0.29       72.6         34.2       0.035       25.1 </td <td>1 5 9 2 7 9 3 2 2 2 9 8 8 8</td>	1 5 9 2 7 9 3 2 2 2 9 8 8 8
6.2       0.292       54.2       48.2       0.157       67.9         8.2       0.262       67.1       48.2       0.157       67.9         10.2       0.315       77.0       50.2       0.141       70.2         12.2       0.343       74.8       52.2       0.212       66.7         14.2       0.333       79.8       54.2       0.25       67.9         16.2       0.336       79.9       56.2       0.243       71.3         18.2       0.304       71.2       58.2       0.249       74.2         20.2       0.354       71.1       60.2       0.216       72.2         22.2       0.289       64.1       62.2       0.246       64.2         24.2       0.252       57.9       64.2       0.253       63.9         26.2       0.189       62.9       66.2       0.228       76.8         30.2       0.081       66.0       70.2       0.284       67.7         32.2       0.051       24.5       72.2       0.29       72.6         34.2       0.035       25.1       74.2       0.139       97.8         36.2       0.058       43.6	5 9 2 7 9 3 2 2 2 9 8 8 7
8.2	9 2 7 9 3 2 2 2 2 9 8 8 8
10.2     0.315     77.0     50.2     0.141     70.2       12.2     0.343     74.8     52.2     0.212     66.7       14.2     0.333     79.8     54.2     0.25     67.9       16.2     0.336     79.9     56.2     0.243     71.3       18.2     0.304     71.2     58.2     0.249     74.2       20.2     0.354     71.1     60.2     0.216     72.2       22.2     0.289     64.1     62.2     0.246     64.2       24.2     0.252     57.9     64.2     0.253     63.9       26.2     0.189     62.9     68.2     0.228     76.8       28.2     0.187     64.0     68.2     0.267     70.8       30.2     0.081     66.0     70.2     0.284     67.7       32.2     0.051     24.5     72.2     0.29     72.6       34.2     0.035     25.1     74.2     0.139     97.8       36.2     0.058     43.6     76.2     0.412     80.8       38.2     0.028     210.3     78.2     0.318     72.2       40.2     0.024     90.0     80.2     0.383     59.4       42.2     0.076	2 7 9 3 2 2 2 9 8 8 8
12.2     0.343     74.8     52.2     0.212     66.7       14.2     0.333     79.8     54.2     0.25     67.9       16.2     0.336     79.9     56.2     0.243     71.3       18.2     0.304     71.2     58.2     0.249     74.2       20.2     0.354     71.1     60.2     0.216     72.2       22.2     0.289     64.1     62.2     0.246     64.2       24.2     0.252     57.9     64.2     0.253     63.9       26.2     0.189     62.9     66.2     0.228     76.8       28.2     0.187     64.0     68.2     0.267     70.8       30.2     0.081     66.0     70.2     0.284     67.7       32.2     0.051     24.5     72.2     0.29     72.6       34.2     0.035     25.1     74.2     0.139     97.8       36.2     0.058     43.6     76.2     0.412     80.8       38.2     0.028     210.3     78.2     0.318     72.2       40.2     0.024     90.0     80.2     0.383     59.4       42.2     0.076     62.4     82.2     46.34     225.0	7 9 3 2 2 2 9 8 8
14.2     0.333     79.8     54.2     0.25     67.9       16.2     0.336     79.9     56.2     0.243     71.3       18.2     0.304     71.2     58.2     0.249     74.2       20.2     0.354     71.1     60.2     0.216     72.2       22.2     0.289     64.1     62.2     0.246     64.2       24.2     0.252     57.9     64.2     0.253     63.9       26.2     0.189     62.9     66.2     0.228     76.8       28.2     0.187     64.0     68.2     0.267     70.8       30.2     0.081     66.0     70.2     0.284     67.7       32.2     0.051     24.5     72.2     0.29     72.6       34.2     0.035     25.1     74.2     0.139     97.8       36.2     0.058     43.6     76.2     0.412     80.8       38.2     0.028     210.3     78.2     0.318     72.2       40.2     0.024     90.0     80.2     0.383     59.4       42.2     0.076     62.4     82.2     46.34     225.0	9 3 2 2 2 2 9 8 8
16.2     0.336     79.9     56.2     0.243     71.3       18.2     0.304     71.2     58.2     0.249     74.2       20.2     0.354     71.1     60.2     0.216     72.2       22.2     0.289     64.1     62.2     0.246     64.2       24.2     0.252     57.9     64.2     0.253     63.9       26.2     0.189     62.9     66.2     0.228     76.8       28.2     0.187     64.0     68.2     0.267     70.8       30.2     0.081     66.0     70.2     0.284     67.7       32.2     0.051     24.5     72.2     0.29     72.6       34.2     0.035     25.1     74.2     0.139     97.8       36.2     0.058     43.6     76.2     0.412     80.8       38.2     0.028     210.3     78.2     0.318     72.2       40.2     0.024     90.0     80.2     0.383     59.4       42.2     0.076     62.4     82.2     46.34     225.0	3 2 2 2 9 8 8
18.2     0.304     71.2     58.2     0.249     74.2       20.2     0.354     71.1     60.2     0.216     72.2       22.2     0.289     64.1     62.2     0.246     64.2       24.2     0.252     57.9     64.2     0.253     63.9       26.2     0.189     62.9     66.2     0.228     76.8       28.2     0.187     64.0     68.2     0.267     70.8       30.2     0.081     66.0     70.2     0.284     67.7       32.2     0.051     24.5     72.2     0.29     72.6       34.2     0.035     25.1     74.2     0.139     97.8       36.2     0.058     43.6     76.2     0.412     80.8       38.2     0.028     210.3     78.2     0.318     72.2       40.2     0.024     90.0     80.2     0.383     59.4       42.2     0.076     62.4     82.2     46.34     225.0	2 2 2 9 8 8 8
20.2 0.354 71.1 60.2 0.216 72.2 22.2 0.289 64.1 62.2 0.246 64.2 24.2 0.252 57.9 64.2 0.253 63.9 28.2 0.189 62.9 66.2 0.228 76.8 28.2 0.187 64.0 68.2 0.267 70.8 30.2 0.081 66.0 70.2 0.284 67.7 32.2 0.051 24.5 72.2 0.29 72.6 34.2 0.035 25.1 74.2 0.139 97.8 36.2 0.058 43.6 76.2 0.412 80.8 38.2 0.028 210.3 78.2 0.318 72.2 40.2 0.024 90.0 80.2 0.383 59.4 42.2 0.076 62.4 82.2 46.34 225.0 *Values for in water behavior are expected*	2 2 9 8 8 7
22.2     0.289     64.1     62.2     0.246     64.2       24.2     0.252     57.9     64.2     0.253     63.9       26.2     0.189     62.9     66.2     0.228     76.8       28.2     0.187     64.0     68.2     0.267     70.8       30.2     0.081     66.0     70.2     0.284     67.7       32.2     0.051     24.5     72.2     0.29     72.6       34.2     0.035     25.1     74.2     0.139     97.8       36.2     0.058     43.6     76.2     0.412     80.8       38.2     0.028     210.3     78.2     0.318     72.2       40.2     0.024     90.0     80.2     0.383     59.4       42.2     0.076     62.4     82.2     46.34     225.0	2 9 8 8 7
24.2     0.252     57.9     64.2     0.253     63.9       26.2     0.189     62.9     66.2     0.228     76.8       28.2     0.187     64.0     68.2     0.267     70.8       30.2     0.081     66.0     70.2     0.284     67.7       32.2     0.051     24.5     72.2     0.29     72.6       34.2     0.035     25.1     74.2     0.139     97.8       36.2     0.058     43.6     76.2     0.412     80.8       38.2     0.028     210.3     78.2     0.318     72.2       40.2     0.024     90.0     80.2     0.383     59.4       42.2     0.076     62.4     82.2     46.34     225.0	9 8 8 7
26.2 0.189 62.9 66.2 0.228 76.8  28.2 0.187 64.0 68.2 0.267 70.8  30.2 0.081 66.0 70.2 0.284 67.7  32.2 0.051 24.5 72.2 0.29 72.6  34.2 0.035 25.1 74.2 0.139 97.8  36.2 0.058 43.6 76.2 0.412 80.8  38.2 0.028 210.3 78.2 0.318 72.2  40.2 0.024 90.0 80.2 0.383 59.4  42.2 0.076 62.4 82.2 46.34 225.0	8 8 7
28.2	8 7
30.2 0.081 66.0 70.2 0.284 67.7 32.2 0.051 24.5 72.2 0.29 72.6 34.2 0.035 25.1 74.2 0.139 97.8 36.2 0.058 43.6 76.2 0.412 80.8 38.2 0.028 210.3 78.2 0.318 72.2 40.2 0.024 90.0 80.2 0.383 59.4 42.2 0.076 62.4 82.2 46.34 225.0 * Values for in water behavior are expected	7
32.2 0.051 24.5 72.2 0.29 72.6 34.2 0.035 25.1 74.2 0.139 97.8 36.2 0.058 43.6 76.2 0.412 80.8 38.2 0.028 210.3 78.2 0.318 72.2 40.2 0.024 90.0 80.2 0.383 59.4 42.2 0.076 62.4 82.2 46.34 225.6	
34.2 0.035 25.1 74.2 0.139 97.8 36.2 0.058 43.6 76.2 0.412 80.8 38.2 0.028 210.3 78.2 0.318 72.2 40.2 0.024 90.0 80.2 0.383 59.4 42.2 0.076 62.4 82.2 46.34 225.0 * Values for in water behavior are expected	
36.2 0.058 43.6 76.2 0.412 80.8 38.2 0.028 210.3 78.2 0.318 72.2 40.2 0.024 90.0 80.2 0.383 59.4 42.2 0.076 62.4 82.2 46.34 225.0  * Values for in water behavior are expected	
38.2 0.028 210.3 78.2 0.318 72.2 40.2 0.024 90.0 80.2 0.383 59.4 42.2 0.076 62.4 82.2 46.34 225.0  * Values for in water behavior are expected	
40.2     0.024     90.0     80.2     0.383     59.4       42.2     0.076     62.4     82.2     46.34     225.0   * Values for in water behavior are expected	
42.2 0.076 62.4 82.2 46.34 225.0  * Values for in water behavior are expected	
Wave 2025-06-25 23:11:05	
	5 UTO
Serial number: 2008	
	3.30 s
Hmax: 2.54 m Tp: 9.	9.70 s
* Values for dynamic behavior are expected	
AHRS 2025-06-25 23:13:00	о итс
Serial number: 2006	
Pitch min: -4.98° Pitch max: 5	5.910
Roll min: -6.46° Roll max: 5	5.24°
Yaw min: -5.67° Yaw max: 6	6.82°
* Values for dynamic behavior are expected	

Figure 15: Site Acceptance Test Report (2/6).



				202	25-06-25 23	
Compass	s Mast SN:	2305W034	1	Compass Roof	SN:	2305W032
Orientation						
- Compass on mast	- Compass on roof-	LiDAR heading	-ADCP head	ting (*) External com	pass Magne	etic de dination
294.700	296.40°	298.000	8.700	N/A		-1.39
Cross-check						
Comp	pass M Compas	sR LIDARH	ADCP H			
	1.7					
	4.6 2.9 74.0 72.3					
Ext. Compass						
*The 90° mechanical offse	et of the ADCP is indu	ded.				
	tion	V1020752	,	202	?5-06-25 23	3:11:00 UT
Weather State Serial nur Wind spe Wind spe	mber: eed min	V1020752 2.10 m/s 3.15 m/s	5	202 Wind dir min Wind dir avg	?5-06-25 23	0.00°
Weather State Serial nur Wind spe Wind spe Wind spe	mber: eed min	2.10 m/s	; ;	Wind dir min		0.00° 41.20° 358.00°
Weather State  Serial nur  Wind spe  Wind spe  Wind spe  Wind spe  Temperat	mber: eed min eed avg eed max eed 3s max ture:	2.10 m/s 3.15 m/s 4.20 m/s 3.87 m/s	5 5 5 5	Wind dir min Wind dir avg Wind dir max		0.00° 41.20° 358.00°
Weather State  Serial nur  Wind spe  Wind spe  Wind spe  Wind spe	mber: eed min eed avg eed max eed 3s max ture:	2.10 m/s 3.15 m/s 4.20 m/s 3.87 m/s	5 5 5 5 5 7	Wind dir min Wind dir avg Wind dir max		0.00° 41.20° 358.00° 65.33°
Serial nur Wind spe Wind spe Wind spe Wind spe Temperat Pressure: Humidity	mber: eed min eed avg eed max eed 3s max ture:	2.10 m/s 3.15 m/s 4.20 m/s 3.87 m/s 18.99 °C	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Wind dir min Wind dir avg Wind dir max		0.00° 41.20° 358.00°
Serial nur Wind spe Wind spe Wind spe Wind spe Temperat Pressure: Humidity	mber: eed min eed avg eed max eed 3s max ture:	2.10 m/s 3.15 m/s 4.20 m/s 3.87 m/s 18.99 °C 1021.87 mbar 92.60 %	s s s s s s s s s s s s s s s s s s s	Wind dir min Wind dir avg Wind dir max Wind dir 3s max		0.00° 41.20° 358.00°
Serial nur Wind spe Wind spe Wind spe Wind spe Temperat Pressure: Humidity	mber: eed min eed avg eed max eed 3s max ture: :	2.10 m/s 3.15 m/s 4.20 m/s 3.87 m/s 18.99 °C 1021.87 mbar 92.60 %	s s s s s s s s s s s s s s s s s s s	Wind dir min Wind dir avg Wind dir max Wind dir 3s max	25-06-25 23	0.00° 41.20° 358.00° 65.33°
Serial nur  Serial nur  Wind spe  Wind spe  Wind spe  Wind spe  Temperat  Pressure:  Humidity  * Values fo	mber: eed min eed avg eed max eed 3s max ture: :	2.10 m/s 3.15 m/s 4.20 m/s 3.87 m/s 18.99 °C 1021.87 mbar 92.60 %	ected	Wind dir min Wind dir avg Wind dir max Wind dir 3s max	25-06-25 23	0.00° 41.20° 358.00° 65.33°
Serial nur  Serial nur  Wind spe  Wind spe  Wind spe  Wind spe  Temperat  Pressure:  Humidity  * Values fo	mber: eed min eed avg eed max eed 3s max ture: :	2.10 m/s 3.15 m/s 4.20 m/s 3.87 m/s 18.99 °C 1021.87 mbar 92.60 % ehavior are expenses	ected	Wind dir min Wind dir avg Wind dir max Wind dir 3s max	25-06-25 23	0.00° 41.20° 358.00° 65.33°
Serial nur Wind spe Wind spe Wind spe Wind spe Wind spe Temperat Pressure: Humidity * Values fo	mber: eed min eed avg eed max eed 3s max ture: :	2.10 m/s 3.15 m/s 4.20 m/s 3.87 m/s 18.99 °C 1021.87 mbar 92.60 % ehavior are expenses	ected	Wind dir min Wind dir avg Wind dir max Wind dir 3s max	25-06-25 23	0.00° 41.20° 358.00° 65.33° 3:11:00 UT

Figure 16: Site Acceptance Test Report (3/6).



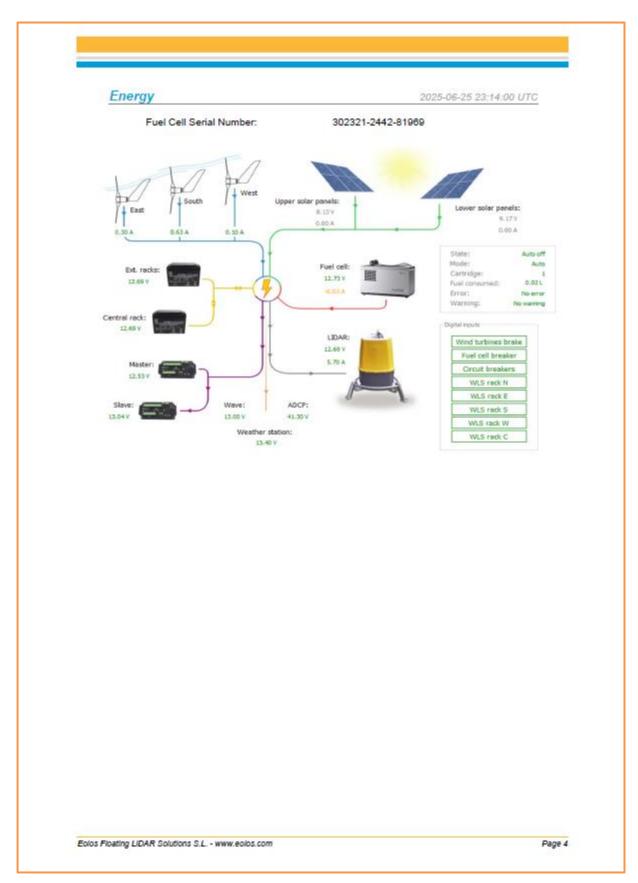


Figure 17: Site Acceptance Test Report (4/6).







Figure 18: Site Acceptance Test Report (5/6).





Code: EOL-LO409 Date: 10/07/2025 Version: 02

# Comments Lidar can take up to 72 hours to update the GPS position. Magnetic deviation of the compasses due to interference from the ship's engines. Naim Muñoz Blanco Field Engineer Eolos Floating LIDAR Solutions S.L. - www.eolos.com Page 6

Figure 19: Site Acceptance Test Report (6/6).



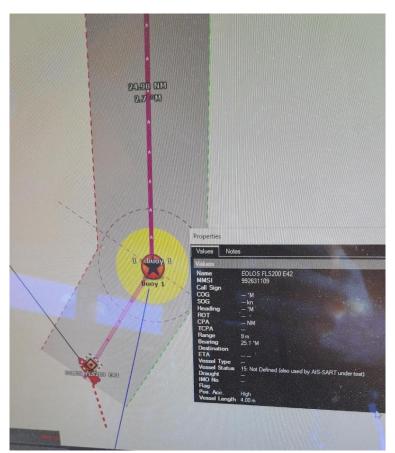


Figure 20: FLS200 E42 AIS signal.

