

SOUTH BAY OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

SOUTH BAY WATER RECLAMATION PLANT

NPDES Permit No. CA0109045
SDRWQCB Order No. R9-2021-0011

AUGUST 2024

Environmental Monitoring and Technical Services
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September 30, 2025

Mr. David W. Gibson, Executive Officer
California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108

Attention: POTW Compliance Unit

Dear Mr. Gibson:

Enclosed is the August 2025 Monthly Receiving Waters Monitoring Report for the South Bay Ocean Outfall, South Bay Water Reclamation Plant as required per Order No. R9-2021-0011, NPDES Permit No. CA0109045.

This report includes raw ocean monitoring data and summaries of water quality parameters and ocean conditions measured during the month for the South Bay outfall region. Also included are summaries of compliance with the bacterial water-contact standards specified in the California Ocean Plan. These data are also presented in the monthly report submitted by the International Boundary and Water Commission, U.S. Section for discharge from the South Bay International Wastewater Treatment Plant (Order No. R9-2021-0001, NPDES Permit No. CA0108928).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



Peter S. Vroom, Ph. D.
Deputy Director, Public Utilities Department

PV/rk

cc: U.S. Environmental Protection Agency, Region 9

INTRODUCTION

Monthly reports of water quality and ocean conditions from Playa Blanco, Mexico to Coronado, USA are submitted to the San Diego Regional Water Quality Control Board and U.S. EPA Region 9 in accordance with Order No. R9-2021-0011, NPDES Permit No. CA0109045, for the South Bay Water Reclamation Plant (SBWRP), South Bay Ocean Outfall (SBOO). This report includes receiving waters monitoring data collected from all shore, kelp and offshore stations specified in the above order. Data for influent and effluent monitoring activities for the SBWRP are presented in separate reports.

MATERIALS AND METHODS

Shore Stations

Water quality monitoring was conducted at 11 stations located along the shore from Playa Blanca, Mexico to Coronado, USA (see station locations map). Three sites are located south of the international border (stations S0, S2, S3), while eight sites are in the United States (stations S4–S6 and S8–S12).

Seawater samples were collected from the surf zone at each station on a weekly basis. These samples were subsequently transported to the City's Marine Microbiology Laboratory and analyzed for the presence of total coliform, fecal coliform, and *Enterococcus* bacteria. Visual observations of water color and clarity, surf height, human or animal activity, and weather conditions were recorded at the time of sample collection. Wind speed and direction were measured using a hand-held anemometer with a compass.

Kelp Bed Stations

Seven kelp bed and other nearshore stations (I19, I24, I25, I26, I32, I39, I40; collectively referred to as “kelp” stations herein) were sampled weekly according to NPDES permit specifications. Six stations (I19, I24, I25, I26, I32, I40) are located along the 9-m depth contour, and one (I39) is located along the 18-m depth contour. Three of these stations, I25, I26, and I39, were selected based on their proximity to suitable substrates for the Imperial Beach kelp bed (see station locations map); however, this kelp bed has been historically transient and variable in terms of size and density. Thus, these three stations are only occasionally located within an area where kelp is actually found.

Routine monitoring at each kelp site consists of collecting seawater samples at three discrete depths for bacteriological analyses (total coliforms, fecal coliforms, and *Enterococcus* bacteria) and generating water column profiles of various physical/chemical parameters, including water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, and transmissivity. Visual observations of weather and water conditions are also recorded at all stations.

Seawater samples at the kelp bed stations are primarily collected using a CTD-integrated rosette sampler with Niskin bottles. Aliquots for bacteriological analyses were drawn from these bottles into sterile sample bottles for processing at the City's Marine Microbiology Laboratory. Water column profiles of the various physical/chemical parameters were taken using a CTD. The CTD collected these physical/chemical data at a rate ≥ 4 scans per second. The data were then internally averaged using the CTD proprietary software, Seasoft, to create water column profiles equivalent to one reading per meter. Additionally, CTD profile data for each water sample depth are presented

with the bacteriological data.

Offshore Stations

Quarterly offshore water quality sampling is typically conducted over three days during February, May, August, and November for a total of 40 stations during each month (see station locations map). These offshore stations (I1–I40) are arranged in a grid surrounding the discharge site, and are generally located along the 9, 19, 28, 38, and 55-m depth contours. The seven offshore sites designated as kelp bed stations (described above) are included as part of the quarterly offshore water quality sampling, however the data from these seven stations are reported within the kelp bed station section of the report with the other days of kelp bed water quality sampling. Monitoring at all sites included measurements of various physical/chemical parameters, including water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, transmissivity, and chromomorphic dissolved organic matter (CDOM). Visual observations of weather and water conditions were also recorded at all stations. Seawater samples for the analysis of indicator bacteria were collected at 28 of the stations.

At these offshore stations, water samples for bacteriological analyses were collected using a rosette sampler with Niskin bottles. Measurements of the physical/chemical parameters listed above were taken using a Sea-Bird CTD. Additionally, CTD profile data for depths closest to those at which bacteriological samples were collected were extracted from the CTD profiles and are presented with the bacteriological data.

Bacteriological Reporting and Quality Assurance

Estimated values for bacteriological analyses are denoted by greater than (>), less than (<), or estimated (e) qualifiers and result from plates with colony counts above or below the permissible counting limits established in Bordner et al. (1978)¹. This document defines membrane filtration limits of 20–80 colonies per plate for total coliforms and 20–60 colonies per plate for fecal coliforms and *Enterococcus*. No Data (ND) is reported if plate counts from all dilutions have a total colony count of >200 per plate.

Results of the bacteriological analysis of seawater samples collected from each of the shore, kelp bed, and offshore stations located within State waters are assessed relative to the water-contact standards specified in the 2019 California Ocean Plan (Ocean Plan). The six standards are defined as follows:

Water-Contact Objectives

Fecal coliform:

- (1) The 30-day geometric mean (GM) of fecal coliform density not to exceed 200 CFU/100 mL, calculated based on the five most recent samples from each site
- (2) The single sample maximum (SSM) not to exceed 400 CFU/100 mL

Enterococci:

- (1) The six-week rolling GM of *Enterococci* not to exceed 30 CFU/100 mL, calculated weekly
- (2) The statistical threshold value (STV) of 110 CFU/100 mL not to be exceeded by more than 10 percent of the samples collected in a calendar month, calculated in a static manner

Shellfish Harvesting Standards

¹ Bordner, R., J. Winter, and P. Scarpino (eds.). (1978). Microbiological Methods for Monitoring the Environment: Water and Wastes, EPA Research and Development, EPA-600/8-78-017. 337 p.

Total coliform:

- (1) The median total coliform density shall not exceed 70 CFU/100 mL
- (2) The STV of 230 CFU/100 mL not to be exceeded by more than 10 percent of the samples collected in a calendar month, calculated in a static manner

Compliance with the seven Ocean Plan standards are summarized below for the stations located in USA waters. In contrast, no such compliance summaries are presented for the three shore stations located in Mexican waters south of the International Border (i.e., S0, S2, and S3) since this region is not subject to the Ocean Plan standards.

Quality controls of bacteriological data include laboratory and field duplicate analyses. Laboratory duplicates are performed on approximately 10% of the water quality samples, while field duplicates are performed six times a month (see Appendix A). Laboratory duplicates represent two aliquots of the original sample that are split in the laboratory and analyzed by the same analyst using identical procedures within the same analytical run. The results of these analyses provide a measure of intra-analyst precision. In contrast, field duplicates represent two separate samples collected at the same time from the same site, which are handled under identical circumstances and treated exactly the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987²) is used to statistically compare both the results from the laboratory duplicates, as well as the results from the field duplicates. These data will be further analyzed in the City's 2025 Quality Assurance Report, which will be completed in March 2026.

SUMMARY OF RESULTS

➤ Shoreline Water Quality Sampling

- Due to site access restrictions in Mexico, the South Bay shoreline sampling is typically carried out on the same day each week (i.e., Tuesday) to coordinate sampling between the Mexican and USA based stations. Seawater samples at the three shore stations located south of the USA/Mexico border (i.e., stations S0, S2 and S3) are presently collected by the Comisión Internacional de Límites y Aguas (CILA) and transported to the USIBWC for subsequent delivery to the City's Marine Microbiology Lab, while samples from the eight stations located in USA waters are sampled by City staff.
- During August, each of the eight shore stations located north of the border were out of compliance with the 2019 California Ocean Plan (Ocean Plan) water contact standards on one or more days as follows:
 - The 6-week running geometric mean standard for *Enterococcus* was exceeded at stations S5, S6, S11, and S12.
 - The statistical threshold value (STV) standard for *Enterococcus* was exceeded at station S12.
 - The 30-day running median standard for total coliforms was exceeded at stations S4, S5, S6, S8, S9, S10, S11, and S12.
 - The STV standard for total coliforms was exceeded at stations S5, S6, S11, and S12.

2 Gilbert, R.O. (1987). Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold Co., New York.

- Nothing of sewage origin was detected at SBOO shore stations in August.
- Historical analyses of Ocean Plan compliance rates for the South Bay outfall shore and kelp monitoring stations, combined with the results of satellite imagery data, suggest that outflows from the Tijuana River and Los Buenos Creek, as well as surface runoff during or after rain events (storms), are likely to be the cause of impacted water quality along the shore and in near shore recreational waters in the South Bay region. See the City of San Diego's most recent *Biennial Receiving Waters Monitoring and Assessment Report for the Point Loma and South Bay Ocean Outfalls* for details (<https://www.sandiego.gov/public-utilities/sustainability/ocean-monitoring/reports>).

➤ **Kelp Bed Water Quality Sampling**

- The seven kelp bed water quality stations (I19, I24, I25, I26, I32, I39, I40) were sampled on August 4, 11, 18, and 26.
- During August, two of the seven kelp bed stations were out of compliance with the various 2019 Ocean Plan water contact standards on one or more days as follows:
 - The 30-day running median standard for total coliforms was exceeded at stations I24 and I40.
- Water column temperatures ranged from 12.73 to 21.95°C. The difference between surface and bottom waters ranged from 0.36 to 7.12°C.
- Concentrations of chlorophyll *a* ranged from 0.34 to 13.44 µg/L at the kelp bed stations.
- Nothing of sewage origin was detected at SBOO kelp stations in August.

➤ **Offshore Water Quality Sampling**

- Quarterly offshore water quality sampling was conducted over three days during the month (i.e., August 5, 6, 7).
- During August, each of the ten offshore stations located within State jurisdictional waters (i.e., I12, I14, I16, I18, I22, I23, I33, I36–I38) was in compliance with the various 2019 Ocean Plan water contact standards.
- Water column temperatures ranged from 11.41 to 21.74°C at the offshore sites. The difference between surface and bottom waters ranged from 5.63 to 10.08°C.
- Chlorophyll *a* concentrations ranged from 0.11 to 23.55 µg/L at the offshore sites.
- Nothing of sewage origin was observed at SBOO offshore stations in August.
- CDOM data are available upon request.



TABLES AND FIGURES

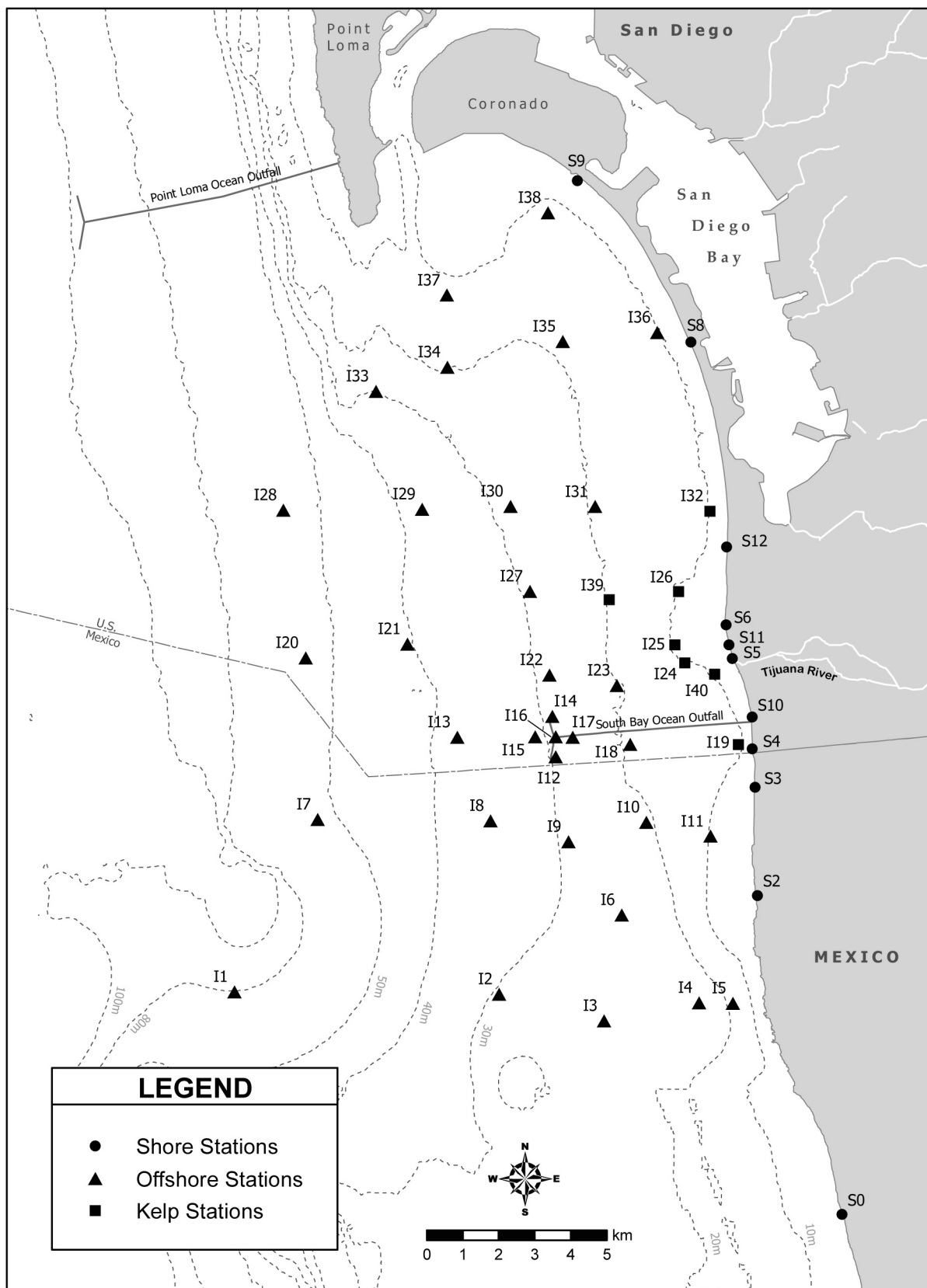


Figure 1.1 Station Map

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Shore Stations

Table 2.1

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for fecal coliform bacteria at the SBOO shore stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 30 days unless otherwise noted (*). Values >200 CFU/100 mL exceed the standard.

Date	S4	S5	S6	S8	S9	S10	S11	S12
01 Aug 2025	17	45	15	2	8	19	14	25
02 Aug 2025	17	45	15	2	8	19	14	25
03 Aug 2025	17	45	15	2	8	19	14	25
04 Aug 2025	17	45	15	2	8	19	14	25
05 Aug 2025	12	27	16	2	7	13	11	34
06 Aug 2025	12	27	16	2	7	13	11	34
07 Aug 2025	17	34	24	2	6	19	16	45
08 Aug 2025	17	34	24	2	6	19	16	45
09 Aug 2025	17	34	24	2	6	19	16	45
10 Aug 2025	17	34	24	2	6	19	16	45
11 Aug 2025	17	34	24	2	6	19	16	45
12 Aug 2025	12	31	18	2	6	13	11	61
13 Aug 2025	12	31	18	2	6	13	11	61
14 Aug 2025	4	10	11	2	7	4	5	50
15 Aug 2025	4	10	11	2	7	4	5	50
16 Aug 2025	*4	*11	*10	*2	*10	*4	*5	*63
17 Aug 2025	*4	*11	*10	*2	*10	*4	*5	*63
18 Aug 2025	*4	*11	*10	*2	*10	*4	*5	*63
19 Aug 2025	3	8	7	2	7	3	5	44
20 Aug 2025	3	8	7	2	7	3	5	44
21 Aug 2025	2	7	7	2	3	3	5	36
22 Aug 2025	2	7	7	2	3	3	5	36
23 Aug 2025	2	7	7	2	3	3	5	36
24 Aug 2025	2	7	7	2	3	3	5	36
25 Aug 2025	2	7	7	2	3	3	5	36
26 Aug 2025	3	8	8	3	4	3	5	50
27 Aug 2025	3	8	8	3	4	3	5	50
28 Aug 2025	3	6	11	3	5	2	6	95
29 Aug 2025	3	6	11	3	5	2	6	95
30 Aug 2025	3	6	11	3	5	2	6	95
31 Aug 2025	3	6	11	3	5	2	6	95

* Geometric mean calculated using $n < 5$

Table 2.2

Summary of compliance at the SBOO shore stations with the Ocean Plan's Single Sample Maximum standard for fecal coliform bacteria, which states that fecal coliform density shall not exceed 400 CFU/100 mL.

Date	S4	S5	S6	S8	S9	S10	S11	S12
05 Aug 2025	IC	IC	IC	IC	IC	IC	IC	IC
12 Aug 2025	IC	IC	IC	IC	IC	IC	IC	IC
19 Aug 2025	IC	IC	IC	IC	IC	IC	IC	IC
21 Aug 2025	IC	IC	IC	IC	IC	IC	IC	IC
26 Aug 2025	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.3

Summary of compliance with the Ocean Plan's 6-week Geometric Mean standard for *Enterococcus* at the SBOO shore stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 6 weeks unless otherwise noted (*). Values >30 CFU/100 mL exceed the standard.

Date	S4	S5	S6	S8	S9	S10	S11	S12
01 Aug 2025	8	85	39	2	9	11	68	18
02 Aug 2025	8	85	39	2	9	11	68	18
03 Aug 2025	8	85	39	2	9	11	68	18
04 Aug 2025	8	85	39	2	9	11	68	18
05 Aug 2025	8	72	41	3	9	11	50	38
06 Aug 2025	8	72	41	3	9	11	50	38
07 Aug 2025	8	72	41	3	9	11	50	38
08 Aug 2025	8	72	41	3	9	11	50	38
09 Aug 2025	8	72	41	3	9	11	50	38
10 Aug 2025	8	72	41	3	9	11	50	38
11 Aug 2025	8	72	41	3	9	11	50	38
12 Aug 2025	11	31	31	4	7	11	20	70
13 Aug 2025	11	31	31	4	7	11	20	70
14 Aug 2025	11	31	31	4	7	11	20	70
15 Aug 2025	11	31	31	4	7	11	20	70
16 Aug 2025	11	31	31	4	7	11	20	70
17 Aug 2025	11	31	31	4	7	11	20	70
18 Aug 2025	11	31	31	4	7	11	20	70
19 Aug 2025	11	21	24	4	6	11	25	34
20 Aug 2025	11	21	24	4	6	11	25	34
21 Aug 2025	11	21	24	4	6	11	25	34
22 Aug 2025	11	21	24	4	6	11	25	34
23 Aug 2025	11	21	24	4	6	11	25	34
24 Aug 2025	11	21	24	4	6	11	25	34
25 Aug 2025	11	21	24	4	6	11	25	34
26 Aug 2025	7	8	14	4	8	3	14	29
27 Aug 2025	7	8	14	4	8	3	14	29
28 Aug 2025	7	8	14	4	8	3	14	29
29 Aug 2025	7	8	14	4	8	3	14	29
30 Aug 2025	7	8	14	4	8	3	14	29
31 Aug 2025	7	8	14	4	8	3	14	29

* Geometric mean calculated using n<5

Table 2.4

Summary of compliance at the SBOO shore stations with the Ocean Plan's Statistical Threshold Value standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 110 CFU/100 mL in more than 10% of samples per month.

Date	S4	S5	S6	S8	S9	S10	S11	S12
August	IC	IC	IC	IC	IC	IC	IC	E

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.5

Summary of compliance with the Ocean Plan's 30-day Median standard for total coliform bacteria at the SBOO shore stations. Data are based on the median of the five most recent samples from each site over the previous 30 days unless otherwise noted (*). Values >70 CFU/100 mL exceed the standard.

Date	S4	S5	S6	S8	S9	S10	S11	S12
01 Aug 2025	*390	*170	*1610	*20	*200	*2100	*3400	*1400
02 Aug 2025	*390	*170	*1610	*20	*200	*2100	*3400	*1400
03 Aug 2025	*390	*170	*1610	*20	*200	*2100	*3400	*1400
04 Aug 2025	*390	*170	*1610	*20	*200	*2100	*3400	*1400
05 Aug 2025	200	140	3200	20	200	200	640	1600
06 Aug 2025	200	140	3200	20	200	200	640	1600
07 Aug 2025	*390	*170	*3200	*20	*110	*2100	*3620	*2900
08 Aug 2025	*390	*170	*3200	*20	*110	*2100	*3620	*2900
09 Aug 2025	*390	*170	*3200	*20	*110	*2100	*3620	*2900
10 Aug 2025	*390	*170	*3200	*20	*110	*2100	*3620	*2900
11 Aug 2025	*390	*170	*3200	*20	*110	*2100	*3620	*2900
12 Aug 2025	200	200	3200	20	200	200	640	3800
13 Aug 2025	200	200	3200	20	200	200	640	3800
14 Aug 2025	*104	*170	*1630	*110	*110	*110	*420	*4000
15 Aug 2025	*104	*170	*1630	*110	*110	*110	*420	*4000
16 Aug 2025	*104	*170	*1630	*110	*110	*110	*420	*4000
17 Aug 2025	*104	*170	*1630	*110	*110	*110	*420	*4000
18 Aug 2025	*104	*170	*1630	*110	*110	*110	*420	*4000
19 Aug 2025	200	140	60	20	20	60	200	3800
20 Aug 2025	200	140	60	20	20	60	200	3800
21 Aug 2025	*104	*120	*40	*20	*20	*40	*110	*1930
22 Aug 2025	*104	*120	*40	*20	*20	*40	*110	*1930
23 Aug 2025	*104	*120	*40	*20	*20	*40	*110	*1930
24 Aug 2025	*104	*120	*40	*20	*20	*40	*110	*1930
25 Aug 2025	*104	*120	*40	*20	*20	*40	*110	*1930
26 Aug 2025	30	140	60	20	20	20	60	3200
27 Aug 2025	30	140	60	20	20	20	60	3200
28 Aug 2025	*19	*90	*200	*50	*110	*20	*130	*3500
29 Aug 2025	*19	*90	*200	*50	*110	*20	*130	*3500
30 Aug 2025	*19	*90	*200	*50	*110	*20	*130	*3500
31 Aug 2025	*19	*90	*200	*50	*110	*20	*130	*3500

* Median calculated using n<5

Table 2.6

Summary of compliance at the SBOO shore stations with the Ocean Plan's Statistical Threshold Value for total coliform bacteria, which states that total coliform density shall not exceed 230 CFU/100 mL in more than 10% of samples per month.

Date	S4	S5	S6	S8	S9	S10	S11	S12
August	IC	E	E	IC	IC	IC	E	E

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.7

Summary of water quality parameters at the SBOO shore stations for each sample date. Densities of fecal coliform (Fecal) and *Enterococcus* (Entero) are reported as CFU/100 mL. Comments follow the data summary.

Station	Date	Time	Total	Fecal	Entero
S0	12 Aug 2025	830	>16000	7000	2600e
S0	19 Aug 2025	830	8800	5000	1000
S0	26 Aug 2025	825	280e	30e	38e
S10	05 Aug 2025	1043	<2	<2	<2
S10	12 Aug 2025	1059	<20	<2	2e
S10	19 Aug 2025	824	60e	2e	<2
S10	21 Aug 2025	1039		<2	
S10	26 Aug 2025	1035	<20	<2	<2
S11	05 Aug 2025	933	640	4e	18e
S11	12 Aug 2025	946	200e	2e	2e
S11	19 Aug 2025	1027	20e	4e	8e
S11	21 Aug 2025	939		68	
S11	26 Aug 2025	932	60e	4e	30e
S12	05 Aug 2025	802	10000	140e	160e
S12	12 Aug 2025	813	3800e	280e	80e
S12	19 Aug 2025	1101	<20	10e	<2
S12	21 Aug 2025	755		74	
S12	26 Aug 2025	757	3200e	260e	60e
S2	12 Aug 2025	930	2e	8e	4e
S2	19 Aug 2025	925	2e	<2	<2
S2	26 Aug 2025	920	<20	2e	10e
S3	12 Aug 2025	905	12e	<2	4e
S3	19 Aug 2025	905	10e	4e	8e
S3	26 Aug 2025	900	100e	4e	4e
S4	05 Aug 2025	1104	<2	<2	<2
S4	12 Aug 2025	1118	8e	2e	20e
S4	19 Aug 2025	846	<200	2e	2e
S4	21 Aug 2025	1057		<2	
S4	26 Aug 2025	1054	30e	20e	42
S5	05 Aug 2025	902	40e	2e	8e
S5	12 Aug 2025	916	400e	20e	8e
S5	19 Aug 2025	1004	40e	<2	<2
S5	21 Aug 2025	907		8e	
S5	26 Aug 2025	905	140e	14e	12e
S6	05 Aug 2025	952	3200e	20e	20e
S6	12 Aug 2025	1007	60e	4e	22e
S6	19 Aug 2025	1041	<20	<2	<2
S6	21 Aug 2025	956		52	
S6	26 Aug 2025	948	340e	<20	40
S8	05 Aug 2025	742	<20	<2	10e
S8	12 Aug 2025	752	<200	2e	8e
S8	19 Aug 2025	1127	<20	<2	<2
S8	21 Aug 2025	734		<2	
S8	26 Aug 2025	736	80e	8e	6e
S9	05 Aug 2025	723	20e	4e	16e

Station	Date	Time	Total	Fecal	Entero
S9	12 Aug 2025	730	<200	6e	4e
S9	19 Aug 2025	1150	<20	2e	6e
S9	21 Aug 2025	716		2e	
S9	26 Aug 2025	718	200e	<20	14e

ns = not sampled

ND = no data

Table 2.8

Summary of visual observations made during the month for each SBOO shore station by sample date.

Station	Date	Parameter	Value
S0	12 Aug 2025	Arrive Time	830
S0	12 Aug 2025	Wind Speed (kts)	0
S0	12 Aug 2025	Wind Dir	XX
S0	12 Aug 2025	Animal Life	Dog-3; Seagull-20;
S0	12 Aug 2025	Floatables	
S0	12 Aug 2025	Current Direction	N
S0	12 Aug 2025	Water Temp (C)	14
S0	12 Aug 2025	High Tide Time	1200
S0	12 Aug 2025	Low Tide Time	547
S0	12 Aug 2025	Comments	Water turbid; Kelp;Algae; 1.0 L/s water flowing from storm drain
S0	19 Aug 2025	Arrive Time	830
S0	19 Aug 2025	Wind Speed (kts)	2.6
S0	19 Aug 2025	Wind Dir	N
S0	19 Aug 2025	Animal Life	Seagull-20;
S0	19 Aug 2025	Floatables	
S0	19 Aug 2025	Current Direction	N
S0	19 Aug 2025	Water Temp (C)	14
S0	19 Aug 2025	High Tide Time	822
S0	19 Aug 2025	Low Tide Time	147
S0	19 Aug 2025	Comments	Water turbid; Kelp; 1.0 L/s water flowing from storm drain
S0	26 Aug 2025	Arrive Time	825
S0	26 Aug 2025	Wind Speed (kts)	2.1
S0	26 Aug 2025	Wind Dir	S
S0	26 Aug 2025	Animal Life	Bird-5; Seagull-20;
S0	26 Aug 2025	Floatables	
S0	26 Aug 2025	Current Direction	N
S0	26 Aug 2025	Water Temp (C)	14
S0	26 Aug 2025	High Tide Time	1135
S0	26 Aug 2025	Low Tide Time	524
S0	26 Aug 2025	Comments	Water turbid; Trash-0; Kelp
S2	12 Aug 2025	Arrive Time	930
S2	12 Aug 2025	Wind Speed (kts)	0
S2	12 Aug 2025	Wind Dir	XX
S2	12 Aug 2025	Animal Life	Dog-5; Seagull-20;
S2	12 Aug 2025	Floatables	
S2	12 Aug 2025	Current Direction	N
S2	12 Aug 2025	Water Temp (C)	14
S2	12 Aug 2025	High Tide Time	1200
S2	12 Aug 2025	Low Tide Time	547
S2	12 Aug 2025	Comments	Water turbid; Kelp;Algae; No flow from storm drain
S2	19 Aug 2025	Arrive Time	925
S2	19 Aug 2025	Wind Speed (kts)	3.1
S2	19 Aug 2025	Wind Dir	N
S2	19 Aug 2025	Animal Life	Seagull-20;
S2	19 Aug 2025	Floatables	
S2	19 Aug 2025	Current Direction	N
S2	19 Aug 2025	Water Temp (C)	15
S2	19 Aug 2025	High Tide Time	822
S2	19 Aug 2025	Low Tide Time	147
S2	19 Aug 2025	Comments	Water turbid; Kelp; No flow from storm drain

Station	Date	Parameter	Value
S2	26 Aug 2025	Arrive Time	920
S2	26 Aug 2025	Wind Speed (kts)	1.9
S2	26 Aug 2025	Wind Dir	S
S2	26 Aug 2025	Animal Life	Dog-5; Seagull-20;
S2	26 Aug 2025	Floatables	
S2	26 Aug 2025	Current Direction	S
S2	26 Aug 2025	Water Temp (C)	14
S2	26 Aug 2025	High Tide Time	1135
S2	26 Aug 2025	Low Tide Time	524
S2	26 Aug 2025	Comments	Water turbid; Trash-0; Kelp
S3	12 Aug 2025	Arrive Time	905
S3	12 Aug 2025	Wind Speed (kts)	0
S3	12 Aug 2025	Wind Dir	XX
S3	12 Aug 2025	Animal Life	Dog-8; Seagull-20;
S3	12 Aug 2025	Floatables	
S3	12 Aug 2025	Current Direction	N
S3	12 Aug 2025	Water Temp (C)	14
S3	12 Aug 2025	High Tide Time	1200
S3	12 Aug 2025	Low Tide Time	547
S3	12 Aug 2025	Comments	Water turbid; Kelp;Algae; No flow from storm drain
S3	19 Aug 2025	Arrive Time	905
S3	19 Aug 2025	Wind Speed (kts)	3.8
S3	19 Aug 2025	Wind Dir	N
S3	19 Aug 2025	Animal Life	Seagull-20;
S3	19 Aug 2025	Floatables	
S3	19 Aug 2025	Current Direction	N
S3	19 Aug 2025	Water Temp (C)	15
S3	19 Aug 2025	High Tide Time	822
S3	19 Aug 2025	Low Tide Time	147
S3	19 Aug 2025	Comments	Water turbid; Kelp; No flow from storm drain
S3	26 Aug 2025	Arrive Time	900
S3	26 Aug 2025	Wind Speed (kts)	2.3
S3	26 Aug 2025	Wind Dir	S
S3	26 Aug 2025	Animal Life	Dog-1; Seagull-20;
S3	26 Aug 2025	Floatables	
S3	26 Aug 2025	Current Direction	N
S3	26 Aug 2025	Water Temp (C)	14
S3	26 Aug 2025	High Tide Time	1135
S3	26 Aug 2025	Low Tide Time	524
S3	26 Aug 2025	Comments	Water turbid; Trash-0; Kelp
S4	05 Aug 2025	Arrive Time	1104
S4	05 Aug 2025	Wind Speed (kts)	9.7
S4	05 Aug 2025	Wind Dir	SW
S4	05 Aug 2025	Animal Life	
S4	05 Aug 2025	Floatables	
S4	05 Aug 2025	Current Direction	E
S4	05 Aug 2025	Water Temp (C)	18.4
S4	05 Aug 2025	High Tide Time	853
S4	05 Aug 2025	Low Tide Time	215
S4	05 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S4	12 Aug 2025	Arrive Time	1118
S4	12 Aug 2025	Wind Speed (kts)	7.1
S4	12 Aug 2025	Wind Dir	SW
S4	12 Aug 2025	Animal Life	Bird-20;
S4	12 Aug 2025	Floatables	Foam
S4	12 Aug 2025	Current Direction	NE

Station	Date	Parameter	Value
S4	12 Aug 2025	Water Temp (C)	17.4
S4	12 Aug 2025	High Tide Time	1200
S4	12 Aug 2025	Low Tide Time	547
S4	12 Aug 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Debris
S4	19 Aug 2025	Arrive Time	846
S4	19 Aug 2025	Wind Speed (kts)	4.6
S4	19 Aug 2025	Wind Dir	W
S4	19 Aug 2025	Animal Life	
S4	19 Aug 2025	Floatables	
S4	19 Aug 2025	Current Direction	S
S4	19 Aug 2025	Water Temp (C)	20.3
S4	19 Aug 2025	High Tide Time	822
S4	19 Aug 2025	Low Tide Time	147
S4	19 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass
S4	21 Aug 2025	Arrive Time	1057
S4	21 Aug 2025	Wind Speed (kts)	5.9
S4	21 Aug 2025	Wind Dir	SW
S4	21 Aug 2025	Animal Life	Bird-5;
S4	21 Aug 2025	Floatables	
S4	21 Aug 2025	Current Direction	NE
S4	21 Aug 2025	Water Temp (C)	20
S4	21 Aug 2025	High Tide Time	920
S4	21 Aug 2025	Low Tide Time	307
S4	21 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S4	26 Aug 2025	Arrive Time	1054
S4	26 Aug 2025	Wind Speed (kts)	2.3
S4	26 Aug 2025	Wind Dir	NW
S4	26 Aug 2025	Animal Life	Bird-35;
S4	26 Aug 2025	Floatables	Foam
S4	26 Aug 2025	Current Direction	E
S4	26 Aug 2025	Water Temp (C)	18.9
S4	26 Aug 2025	High Tide Time	1135
S4	26 Aug 2025	Low Tide Time	524
S4	26 Aug 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Debris
S10	05 Aug 2025	Arrive Time	1043
S10	05 Aug 2025	Wind Speed (kts)	6.4
S10	05 Aug 2025	Wind Dir	SW
S10	05 Aug 2025	Animal Life	
S10	05 Aug 2025	Floatables	
S10	05 Aug 2025	Current Direction	E
S10	05 Aug 2025	Water Temp (C)	20.8
S10	05 Aug 2025	High Tide Time	853
S10	05 Aug 2025	Low Tide Time	215
S10	05 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S10	12 Aug 2025	Arrive Time	1059
S10	12 Aug 2025	Wind Speed (kts)	7.1
S10	12 Aug 2025	Wind Dir	SW
S10	12 Aug 2025	Animal Life	
S10	12 Aug 2025	Floatables	Foam
S10	12 Aug 2025	Current Direction	NE
S10	12 Aug 2025	Water Temp (C)	18.1
S10	12 Aug 2025	High Tide Time	1200
S10	12 Aug 2025	Low Tide Time	547
S10	12 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S10	19 Aug 2025	Arrive Time	824

Station	Date	Parameter	Value
S10	19 Aug 2025	Wind Speed (kts)	0.1
S10	19 Aug 2025	Wind Dir	W
S10	19 Aug 2025	Animal Life	
S10	19 Aug 2025	Floatables	
S10	19 Aug 2025	Current Direction	S
S10	19 Aug 2025	Water Temp (C)	18.9
S10	19 Aug 2025	High Tide Time	822
S10	19 Aug 2025	Low Tide Time	147
S10	19 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass
S10	21 Aug 2025	Arrive Time	1039
S10	21 Aug 2025	Wind Speed (kts)	4
S10	21 Aug 2025	Wind Dir	SW
S10	21 Aug 2025	Animal Life	
S10	21 Aug 2025	Floatables	
S10	21 Aug 2025	Current Direction	NE
S10	21 Aug 2025	Water Temp (C)	19.1
S10	21 Aug 2025	High Tide Time	920
S10	21 Aug 2025	Low Tide Time	307
S10	21 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S10	26 Aug 2025	Arrive Time	1035
S10	26 Aug 2025	Wind Speed (kts)	0
S10	26 Aug 2025	Wind Dir	W
S10	26 Aug 2025	Animal Life	
S10	26 Aug 2025	Floatables	Foam
S10	26 Aug 2025	Current Direction	E
S10	26 Aug 2025	Water Temp (C)	20
S10	26 Aug 2025	High Tide Time	1135
S10	26 Aug 2025	Low Tide Time	524
S10	26 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S5	05 Aug 2025	Arrive Time	902
S5	05 Aug 2025	Wind Speed (kts)	3.4
S5	05 Aug 2025	Wind Dir	SW
S5	05 Aug 2025	Animal Life	
S5	05 Aug 2025	Floatables	
S5	05 Aug 2025	Current Direction	E
S5	05 Aug 2025	Water Temp (C)	18.6
S5	05 Aug 2025	High Tide Time	853
S5	05 Aug 2025	Low Tide Time	215
S5	05 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S5	12 Aug 2025	Arrive Time	916
S5	12 Aug 2025	Wind Speed (kts)	5.6
S5	12 Aug 2025	Wind Dir	SW
S5	12 Aug 2025	Animal Life	
S5	12 Aug 2025	Floatables	
S5	12 Aug 2025	Current Direction	N
S5	12 Aug 2025	Water Temp (C)	17.4
S5	12 Aug 2025	High Tide Time	1200
S5	12 Aug 2025	Low Tide Time	547
S5	12 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S5	19 Aug 2025	Arrive Time	1004
S5	19 Aug 2025	Wind Speed (kts)	4.8
S5	19 Aug 2025	Wind Dir	W
S5	19 Aug 2025	Animal Life	Seal/Sea Lion-1;
S5	19 Aug 2025	Floatables	
S5	19 Aug 2025	Current Direction	S
S5	19 Aug 2025	Water Temp (C)	22

Station	Date	Parameter	Value
S5	19 Aug 2025	High Tide Time	822
S5	19 Aug 2025	Low Tide Time	147
S5	19 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-2
S5	21 Aug 2025	Arrive Time	907
S5	21 Aug 2025	Wind Speed (kts)	2.5
S5	21 Aug 2025	Wind Dir	SW
S5	21 Aug 2025	Animal Life	Bird-1;
S5	21 Aug 2025	Floatables	
S5	21 Aug 2025	Current Direction	NE
S5	21 Aug 2025	Water Temp (C)	20.4
S5	21 Aug 2025	High Tide Time	920
S5	21 Aug 2025	Low Tide Time	307
S5	21 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S5	26 Aug 2025	Arrive Time	905
S5	26 Aug 2025	Wind Speed (kts)	0
S5	26 Aug 2025	Wind Dir	W
S5	26 Aug 2025	Animal Life	
S5	26 Aug 2025	Floatables	
S5	26 Aug 2025	Current Direction	E
S5	26 Aug 2025	Water Temp (C)	18.9
S5	26 Aug 2025	High Tide Time	1135
S5	26 Aug 2025	Low Tide Time	524
S5	26 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S11	05 Aug 2025	Arrive Time	933
S11	05 Aug 2025	Wind Speed (kts)	5.4
S11	05 Aug 2025	Wind Dir	W
S11	05 Aug 2025	Animal Life	
S11	05 Aug 2025	Floatables	
S11	05 Aug 2025	Current Direction	E
S11	05 Aug 2025	Water Temp (C)	17.8
S11	05 Aug 2025	High Tide Time	853
S11	05 Aug 2025	Low Tide Time	215
S11	05 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S11	12 Aug 2025	Arrive Time	946
S11	12 Aug 2025	Wind Speed (kts)	5.6
S11	12 Aug 2025	Wind Dir	SW
S11	12 Aug 2025	Animal Life	
S11	12 Aug 2025	Floatables	Foam
S11	12 Aug 2025	Current Direction	N
S11	12 Aug 2025	Water Temp (C)	18.5
S11	12 Aug 2025	High Tide Time	1200
S11	12 Aug 2025	Low Tide Time	547
S11	12 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-4
S11	19 Aug 2025	Arrive Time	1027
S11	19 Aug 2025	Wind Speed (kts)	5.6
S11	19 Aug 2025	Wind Dir	W
S11	19 Aug 2025	Animal Life	
S11	19 Aug 2025	Floatables	
S11	19 Aug 2025	Current Direction	S
S11	19 Aug 2025	Water Temp (C)	18
S11	19 Aug 2025	High Tide Time	822
S11	19 Aug 2025	Low Tide Time	147
S11	19 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-2

Station	Date	Parameter	Value
S11	21 Aug 2025	Arrive Time	939
S11	21 Aug 2025	Wind Speed (kts)	3.6
S11	21 Aug 2025	Wind Dir	SW
S11	21 Aug 2025	Animal Life	
S11	21 Aug 2025	Floatables	
S11	21 Aug 2025	Current Direction	NE
S11	21 Aug 2025	Water Temp (C)	20.3
S11	21 Aug 2025	High Tide Time	920
S11	21 Aug 2025	Low Tide Time	307
S11	21 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S11	26 Aug 2025	Arrive Time	932
S11	26 Aug 2025	Wind Speed (kts)	0
S11	26 Aug 2025	Wind Dir	XX
S11	26 Aug 2025	Animal Life	
S11	26 Aug 2025	Floatables	
S11	26 Aug 2025	Current Direction	E
S11	26 Aug 2025	Water Temp (C)	20.2
S11	26 Aug 2025	High Tide Time	1135
S11	26 Aug 2025	Low Tide Time	524
S11	26 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S6	05 Aug 2025	Arrive Time	952
S6	05 Aug 2025	Wind Speed (kts)	4
S6	05 Aug 2025	Wind Dir	SW
S6	05 Aug 2025	Animal Life	
S6	05 Aug 2025	Floatables	
S6	05 Aug 2025	Current Direction	E
S6	05 Aug 2025	Water Temp (C)	20.4
S6	05 Aug 2025	High Tide Time	853
S6	05 Aug 2025	Low Tide Time	215
S6	05 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris
S6	12 Aug 2025	Arrive Time	1007
S6	12 Aug 2025	Wind Speed (kts)	3.6
S6	12 Aug 2025	Wind Dir	SW
S6	12 Aug 2025	Animal Life	
S6	12 Aug 2025	Floatables	
S6	12 Aug 2025	Current Direction	N
S6	12 Aug 2025	Water Temp (C)	18.1
S6	12 Aug 2025	High Tide Time	1200
S6	12 Aug 2025	Low Tide Time	547
S6	12 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris;Algae
S6	19 Aug 2025	Arrive Time	1041
S6	19 Aug 2025	Wind Speed (kts)	7.5
S6	19 Aug 2025	Wind Dir	W
S6	19 Aug 2025	Animal Life	
S6	19 Aug 2025	Floatables	
S6	19 Aug 2025	Current Direction	S
S6	19 Aug 2025	Water Temp (C)	23
S6	19 Aug 2025	High Tide Time	822
S6	19 Aug 2025	Low Tide Time	147
S6	19 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae; Person/Walker/Jogger-2
S6	21 Aug 2025	Arrive Time	956
S6	21 Aug 2025	Wind Speed (kts)	0
S6	21 Aug 2025	Wind Dir	SW
S6	21 Aug 2025	Animal Life	Bird-6;

Station	Date	Parameter	Value
S6	21 Aug 2025	Floatables	
S6	21 Aug 2025	Current Direction	NE
S6	21 Aug 2025	Water Temp (C)	20.9
S6	21 Aug 2025	High Tide Time	920
S6	21 Aug 2025	Low Tide Time	307
S6	21 Aug 2025	Comments	Water clear; Boogie boarder/Swimmer-2; Trash-1; Kelp;Sea-grass;Algae;Debris
S6	26 Aug 2025	Arrive Time	948
S6	26 Aug 2025	Wind Speed (kts)	0
S6	26 Aug 2025	Wind Dir	NW
S6	26 Aug 2025	Animal Life	
S6	26 Aug 2025	Floatables	Foam
S6	26 Aug 2025	Current Direction	E
S6	26 Aug 2025	Water Temp (C)	20
S6	26 Aug 2025	High Tide Time	1135
S6	26 Aug 2025	Low Tide Time	524
S6	26 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris;Algae
S12	05 Aug 2025	Arrive Time	802
S12	05 Aug 2025	Wind Speed (kts)	1.5
S12	05 Aug 2025	Wind Dir	W
S12	05 Aug 2025	Animal Life	
S12	05 Aug 2025	Floatables	
S12	05 Aug 2025	Current Direction	E
S12	05 Aug 2025	Water Temp (C)	18.4
S12	05 Aug 2025	High Tide Time	853
S12	05 Aug 2025	Low Tide Time	215
S12	05 Aug 2025	Comments	Water clear; Fisherperson-1; Trash-1; Kelp;Seagrass;Debris
S12	12 Aug 2025	Arrive Time	813
S12	12 Aug 2025	Wind Speed (kts)	3.1
S12	12 Aug 2025	Wind Dir	SW
S12	12 Aug 2025	Animal Life	
S12	12 Aug 2025	Floatables	Foam
S12	12 Aug 2025	Current Direction	N
S12	12 Aug 2025	Water Temp (C)	17.1
S12	12 Aug 2025	High Tide Time	1200
S12	12 Aug 2025	Low Tide Time	547
S12	12 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S12	19 Aug 2025	Arrive Time	1101
S12	19 Aug 2025	Wind Speed (kts)	6.8
S12	19 Aug 2025	Wind Dir	W
S12	19 Aug 2025	Animal Life	Dog-3;
S12	19 Aug 2025	Floatables	
S12	19 Aug 2025	Current Direction	S
S12	19 Aug 2025	Water Temp (C)	22
S12	19 Aug 2025	High Tide Time	822
S12	19 Aug 2025	Low Tide Time	147
S12	19 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-3
S12	21 Aug 2025	Arrive Time	755
S12	21 Aug 2025	Wind Speed (kts)	0
S12	21 Aug 2025	Wind Dir	XX
S12	21 Aug 2025	Animal Life	
S12	21 Aug 2025	Floatables	
S12	21 Aug 2025	Current Direction	NE
S12	21 Aug 2025	Water Temp (C)	19.8
S12	21 Aug 2025	High Tide Time	920

Station	Date	Parameter	Value
S12	21 Aug 2025	Low Tide Time	307
S12	21 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-1
S12	26 Aug 2025	Arrive Time	757
S12	26 Aug 2025	Wind Speed (kts)	1.5
S12	26 Aug 2025	Wind Dir	SW
S12	26 Aug 2025	Animal Life	
S12	26 Aug 2025	Floatables	Foam
S12	26 Aug 2025	Current Direction	NE
S12	26 Aug 2025	Water Temp (C)	20.2
S12	26 Aug 2025	High Tide Time	1135
S12	26 Aug 2025	Low Tide Time	524
S12	26 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S8	05 Aug 2025	Arrive Time	742
S8	05 Aug 2025	Wind Speed (kts)	2.2
S8	05 Aug 2025	Wind Dir	SW
S8	05 Aug 2025	Animal Life	
S8	05 Aug 2025	Floatables	
S8	05 Aug 2025	Current Direction	E
S8	05 Aug 2025	Water Temp (C)	18.9
S8	05 Aug 2025	High Tide Time	853
S8	05 Aug 2025	Low Tide Time	215
S8	05 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S8	12 Aug 2025	Arrive Time	752
S8	12 Aug 2025	Wind Speed (kts)	3.4
S8	12 Aug 2025	Wind Dir	W
S8	12 Aug 2025	Animal Life	
S8	12 Aug 2025	Floatables	Foam
S8	12 Aug 2025	Current Direction	E
S8	12 Aug 2025	Water Temp (C)	18.1
S8	12 Aug 2025	High Tide Time	1200
S8	12 Aug 2025	Low Tide Time	547
S8	12 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S8	19 Aug 2025	Arrive Time	1127
S8	19 Aug 2025	Wind Speed (kts)	9.9
S8	19 Aug 2025	Wind Dir	W
S8	19 Aug 2025	Animal Life	
S8	19 Aug 2025	Floatables	
S8	19 Aug 2025	Current Direction	S
S8	19 Aug 2025	Water Temp (C)	26
S8	19 Aug 2025	High Tide Time	822
S8	19 Aug 2025	Low Tide Time	147
S8	19 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-8
S8	21 Aug 2025	Arrive Time	734
S8	21 Aug 2025	Wind Speed (kts)	0
S8	21 Aug 2025	Wind Dir	XX
S8	21 Aug 2025	Animal Life	
S8	21 Aug 2025	Floatables	
S8	21 Aug 2025	Current Direction	NE
S8	21 Aug 2025	Water Temp (C)	20
S8	21 Aug 2025	High Tide Time	920
S8	21 Aug 2025	Low Tide Time	307
S8	21 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-1

Station	Date	Parameter	Value
S8	26 Aug 2025	Arrive Time	736
S8	26 Aug 2025	Wind Speed (kts)	0
S8	26 Aug 2025	Wind Dir	XX
S8	26 Aug 2025	Animal Life	
S8	26 Aug 2025	Floatables	Foam
S8	26 Aug 2025	Current Direction	NE
S8	26 Aug 2025	Water Temp (C)	20.3
S8	26 Aug 2025	High Tide Time	1135
S8	26 Aug 2025	Low Tide Time	524
S8	26 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S9	05 Aug 2025	Arrive Time	723
S9	05 Aug 2025	Wind Speed (kts)	2.9
S9	05 Aug 2025	Wind Dir	SW
S9	05 Aug 2025	Animal Life	
S9	05 Aug 2025	Floatables	
S9	05 Aug 2025	Current Direction	E
S9	05 Aug 2025	Water Temp (C)	18.6
S9	05 Aug 2025	High Tide Time	853
S9	05 Aug 2025	Low Tide Time	215
S9	05 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris; Person/Walker/Jogger-2
S9	12 Aug 2025	Arrive Time	730
S9	12 Aug 2025	Wind Speed (kts)	1.9
S9	12 Aug 2025	Wind Dir	W
S9	12 Aug 2025	Animal Life	
S9	12 Aug 2025	Floatables	
S9	12 Aug 2025	Current Direction	E
S9	12 Aug 2025	Water Temp (C)	18.7
S9	12 Aug 2025	High Tide Time	1200
S9	12 Aug 2025	Low Tide Time	547
S9	12 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-1
S9	19 Aug 2025	Arrive Time	1150
S9	19 Aug 2025	Wind Speed (kts)	1.5
S9	19 Aug 2025	Wind Dir	W
S9	19 Aug 2025	Animal Life	
S9	19 Aug 2025	Floatables	
S9	19 Aug 2025	Current Direction	S
S9	19 Aug 2025	Water Temp (C)	23.3
S9	19 Aug 2025	High Tide Time	822
S9	19 Aug 2025	Low Tide Time	147
S9	19 Aug 2025	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-7
S9	21 Aug 2025	Arrive Time	716
S9	21 Aug 2025	Wind Speed (kts)	0
S9	21 Aug 2025	Wind Dir	XX
S9	21 Aug 2025	Animal Life	Bird-1; Dolphin-5;
S9	21 Aug 2025	Floatables	
S9	21 Aug 2025	Current Direction	NE
S9	21 Aug 2025	Water Temp (C)	19.3
S9	21 Aug 2025	High Tide Time	920
S9	21 Aug 2025	Low Tide Time	307
S9	21 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-1
S9	26 Aug 2025	Arrive Time	718
S9	26 Aug 2025	Wind Speed (kts)	0

Station	Date	Parameter	Value
S9	26 Aug 2025	Wind Dir	XX
S9	26 Aug 2025	Animal Life	
S9	26 Aug 2025	Floatables	Foam
S9	26 Aug 2025	Current Direction	NE
S9	26 Aug 2025	Water Temp (C)	20.7
S9	26 Aug 2025	High Tide Time	1135
S9	26 Aug 2025	Low Tide Time	524
S9	26 Aug 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-1

Kelp Stations

Table 3.1

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for fecal coliform bacteria at the SBOO kelp stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 30 days unless otherwise noted (*). Values >200 CFU/100 mL exceed the standard.

Date	I19	I24	I25	I26	I32	I39	I40
01 Aug 2025	*7	*5	*3	*3	*3	*4	*4
02 Aug 2025	*7	*5	*3	*3	*3	*4	*4
03 Aug 2025	*7	*5	*3	*3	*3	*4	*4
04 Aug 2025	6	4	3	2	2	3	4
05 Aug 2025	6	4	3	2	2	3	4
06 Aug 2025	*6	*4	*3	*3	*2	*4	*4
07 Aug 2025	*6	*4	*3	*3	*2	*4	*4
08 Aug 2025	*6	*4	*3	*3	*2	*4	*4
09 Aug 2025	*6	*4	*3	*3	*2	*4	*4
10 Aug 2025	*6	*4	*3	*3	*2	*4	*4
11 Aug 2025	5	3	3	2	2	3	4
12 Aug 2025	5	3	3	2	2	3	4
13 Aug 2025	5	3	3	2	2	3	4
14 Aug 2025	*3	*3	*2	*2	*2	*3	*3
15 Aug 2025	*3	*3	*2	*2	*2	*3	*3
16 Aug 2025	*3	*3	*2	*2	*2	*3	*3
17 Aug 2025	*3	*3	*2	*2	*2	*3	*3
18 Aug 2025	3	3	2	2	2	3	3
19 Aug 2025	3	3	2	2	2	3	3
20 Aug 2025	3	3	2	2	2	3	3
21 Aug 2025	*2	*2	*2	*2	*2	*3	*2
22 Aug 2025	*2	*2	*2	*2	*2	*3	*2
23 Aug 2025	*2	*2	*2	*2	*2	*3	*2
24 Aug 2025	*2	*2	*2	*2	*2	*3	*2
25 Aug 2025	*2	*2	*2	*2	*2	*3	*2
26 Aug 2025	2	2	2	2	2	3	2
27 Aug 2025	2	2	2	2	2	3	2
28 Aug 2025	2	2	2	2	2	3	2
29 Aug 2025	2	2	2	2	2	3	2
30 Aug 2025	*2	*2	*2	*2	*2	*2	*2
31 Aug 2025	*2	*2	*2	*2	*2	*2	*2

* Geometric mean calculated using n<5

Table 3.2

Summary of compliance at the SBOO kelp stations with the Ocean Plan's Single Sample Maximum standard for fecal coliform bacteria, which states that fecal coliform density shall not exceed 400 CFU/100 mL.

Date	I19	I24	I25	I26	I32	I39	I40
04 Aug 2025	IC	IC	IC	IC	IC	IC	IC
11 Aug 2025	IC	IC	IC	IC	IC	IC	IC
18 Aug 2025	IC	IC	IC	IC	IC	IC	IC
26 Aug 2025	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.3

Summary of compliance with the Ocean Plan's 6-week Geometric Mean standard for *Enterococcus* at the SBOO kelp stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 6 weeks unless otherwise noted (*). Values >30 CFU/100 mL exceed the standard.

Date	I19	I24	I25	I26	I32	I39	I40
01 Aug 2025	3	3	3	3	3	3	3
02 Aug 2025	3	3	3	3	3	3	3
03 Aug 2025	3	3	3	3	3	3	3
04 Aug 2025	3	3	3	3	3	3	3
05 Aug 2025	3	3	3	3	3	3	2
06 Aug 2025	3	3	3	3	3	3	2
07 Aug 2025	3	3	3	3	3	3	2
08 Aug 2025	3	3	3	3	3	3	2
09 Aug 2025	3	3	3	3	3	3	2
10 Aug 2025	3	3	3	3	3	3	2
11 Aug 2025	3	3	3	3	3	3	2
12 Aug 2025	3	3	3	3	3	3	2
13 Aug 2025	3	3	3	3	3	3	2
14 Aug 2025	3	3	3	3	3	3	2
15 Aug 2025	3	3	3	3	3	3	2
16 Aug 2025	3	3	3	3	3	3	2
17 Aug 2025	3	3	3	3	3	3	2
18 Aug 2025	3	3	3	2	2	3	2
19 Aug 2025	3	3	3	2	2	3	2
20 Aug 2025	3	3	3	2	2	3	2
21 Aug 2025	3	3	3	2	2	3	2
22 Aug 2025	3	3	3	2	2	3	2
23 Aug 2025	3	3	3	2	2	3	2
24 Aug 2025	3	3	3	2	2	3	2
25 Aug 2025	3	3	3	2	2	3	2
26 Aug 2025	2	2	2	2	2	3	2
27 Aug 2025	2	2	2	2	2	3	2
28 Aug 2025	2	2	2	2	2	3	2
29 Aug 2025	2	2	2	2	2	3	2
30 Aug 2025	2	2	2	2	2	3	2
31 Aug 2025	2	2	2	2	2	3	2

* Geometric mean calculated using n<5

Table 3.4

Summary of compliance at the SBOO kelp stations with the Ocean Plan's Statistical Threshold Value standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 110 CFU/100 mL in more than 10% of samples per month.

Date	I19	I24	I25	I26	I32	I39	I40
August	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.5

Summary of compliance with the Ocean Plan's 30-day Median standard for total coliform bacteria at the SBOO kelp stations. Data are based on the median of the five most recent samples from each site over the previous 30 days unless otherwise noted (*). Values >70 CFU/100 mL exceed the standard.

Date	I19			I24			I25			I26			I32			I39			I40		
	2m	6m	11m	2m	6m	11m	2m	6m	9m	2m	6m	9m	2m	6m	9m	2m	12m	18m	2m	6m	9m
01 Aug 2025	*15	*20	*70	*20	*130	*50	*11	*31	*20	*2	*20	*60	*11	*12	*34	*2	*41	*11	*11	*100	*30
02 Aug 2025	*15	*20	*70	*20	*130	*50	*11	*31	*20	*2	*20	*60	*11	*12	*34	*2	*41	*11	*11	*100	*30
03 Aug 2025	*15	*20	*70	*20	*130	*50	*11	*31	*20	*2	*20	*60	*11	*12	*34	*2	*41	*11	*11	*100	*30
04 Aug 2025	10	20	60	20	60	40	2	2	20	2	20	20	2	6	16	2	2	2	20	20	20
05 Aug 2025	10	20	60	20	60	40	2	2	20	2	20	20	2	6	16	2	2	2	20	20	20
06 Aug 2025	*8	*11	*50	*11	*40	*32	*11	*31	*11	*2	*11	*11	*2	*5	*9	*2	*41	*2	*11	*11	*20
07 Aug 2025	*8	*11	*50	*11	*40	*32	*11	*31	*11	*2	*11	*11	*2	*5	*9	*2	*41	*2	*11	*11	*20
08 Aug 2025	*8	*11	*50	*11	*40	*32	*11	*31	*11	*2	*11	*11	*2	*5	*9	*2	*41	*2	*11	*11	*20
09 Aug 2025	*8	*11	*50	*11	*40	*32	*11	*31	*11	*2	*11	*11	*2	*5	*9	*2	*41	*2	*11	*11	*20
10 Aug 2025	*8	*11	*50	*11	*40	*32	*11	*31	*11	*2	*11	*11	*2	*5	*9	*2	*41	*2	*11	*11	*20
11 Aug 2025	6	2	20	2	20	4	2	2	2	2	2	2	2	6	16	2	2	2	2	20	20
12 Aug 2025	6	2	20	2	20	4	2	2	2	2	2	2	2	6	16	2	2	2	2	20	20
13 Aug 2025	6	2	20	2	20	4	2	2	2	2	2	2	2	6	16	2	2	2	2	20	20
14 Aug 2025	*4	*2	*11	*2	*11	*3	*2	*2	*2	*2	*2	*2	*11	*13	*9	*2	*2	*2	*11	*11	*11
15 Aug 2025	*4	*2	*11	*2	*11	*3	*2	*2	*2	*2	*2	*2	*11	*13	*9	*2	*2	*2	*11	*11	*11
16 Aug 2025	*4	*2	*11	*2	*11	*3	*2	*2	*2	*2	*2	*2	*11	*13	*9	*2	*2	*2	*11	*11	*11
17 Aug 2025	*4	*2	*11	*2	*11	*3	*2	*2	*2	*2	*2	*2	*11	*13	*9	*2	*2	*2	*11	*11	*11
18 Aug 2025	6	2	4	2	2	4	2	2	2	2	2	2	20	6	2	2	2	2	2	20	8
19 Aug 2025	6	2	4	2	2	4	2	2	2	2	2	2	20	6	2	2	2	2	2	20	8
20 Aug 2025	6	2	4	2	2	4	2	2	2	2	2	2	20	6	2	2	2	2	2	20	8
21 Aug 2025	*6	*2	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2	*11	*4	*9	*2	*2	*2	*2	*11	*5
22 Aug 2025	*6	*2	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2	*11	*4	*9	*2	*2	*2	*2	*11	*5
23 Aug 2025	*6	*2	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2	*11	*4	*9	*2	*2	*2	*2	*11	*5
24 Aug 2025	*6	*2	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2	*11	*4	*9	*2	*2	*2	*2	*11	*5
25 Aug 2025	*6	*2	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2	*11	*4	*9	*2	*2	*2	*2	*11	*5
26 Aug 2025	10	2	4	2	2	4	2	2	2	2	2	2	2	6	16	2	2	2	2	20	8
27 Aug 2025	10	2	4	2	2	4	2	2	2	2	2	2	2	6	16	2	2	2	2	20	8
28 Aug 2025	10	2	4	2	2	4	2	2	2	2	2	2	2	6	16	2	2	2	2	20	8
29 Aug 2025	10	2	4	2	2	4	2	2	2	2	2	2	2	6	16	2	2	2	2	20	8
30 Aug 2025	*7	*12	*12	*2	*11	*4	*2	*2	*2	*2	*2	*2	*11	*13	*18	*2	*2	*2	*2	*20	*12
31 Aug 2025	*7	*12	*12	*2	*11	*4	*2	*2	*2	*2	*2	*2	*11	*13	*18	*2	*2	*2	*2	*20	*12

* Median calculated using n<5

Table 3.6

Summary of compliance at the SBOO kelp stations with the Ocean Plan's Statistical Threshold Value for total coliform bacteria, which states that total coliform density shall not exceed 230 CFU/100 mL in more than 10% of samples per month.

	I19			I24			I25			I26			I32			I39			I40		
Date	2m	6m	11m	2m	6m	11m	2m	6m	9m	2m	6m	9m	2m	6m	9m	2m	12m	18m	2m	6m	9m
August	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.7

Summary of water quality parameters at the SBOO kelp stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal), and *Enterococcus* (Entero) bacteria are reported as CFU/100 mL; values for temperature (Temp, °C), transmissivity (XMS, ‰), dissolved oxygen (DO, mg/L), salinity (Sal, ppt) and pH were extracted from CTD profile data for depths closest to those at which the bacteriological samples were collected. Comments follow the data summary.

Station	Date	Time	Depth	Total	Fecal	Entero
I19	04 Aug 2025	1106	2	<2	<2	<2
I19	04 Aug 2025	1106	6	<2	<2	<2
I19	04 Aug 2025	1106	11	<20	<2	<2
I19	11 Aug 2025	1021	2	<2	<2	<2
I19	11 Aug 2025	1021	6	<2	<2	2e
I19	11 Aug 2025	1021	11	<2	<2	<2
I19	18 Aug 2025	1058	2	12e	<2	<2
I19	18 Aug 2025	1058	6	22e	2e	<2
I19	18 Aug 2025	1058	11	4e	<2	<2
I19	26 Aug 2025	1116	2	40e	<2	<2
I19	26 Aug 2025	1116	6	32e	<2	2e
I19	26 Aug 2025	1116	11	<20	<2	2e
I24	04 Aug 2025	1125	2	<2	<2	<2
I24	04 Aug 2025	1125	6	20e	<2	<2
I24	04 Aug 2025	1125	11	4e	<2	<2
I24	11 Aug 2025	1041	2	2e	<2	<2
I24	11 Aug 2025	1041	6	2e	<2	<2
I24	11 Aug 2025	1041	11	<2	<2	<2
I24	18 Aug 2025	1119	2	<20	<2	<2
I24	18 Aug 2025	1119	6	<2	<2	<2
I24	18 Aug 2025	1119	11	4e	<2	<2
I24	26 Aug 2025	1135	2	<2	<2	<2
I24	26 Aug 2025	1135	6	<20	<2	<2
I24	26 Aug 2025	1135	11	16e	2e	2e
I25	04 Aug 2025	1132	2	<2	<2	<2
I25	04 Aug 2025	1132	6	<2	<2	<2
I25	04 Aug 2025	1132	9	<2	<2	<2
I25	11 Aug 2025	1048	2	<2	<2	<2
I25	11 Aug 2025	1048	6	<2	<2	<2
I25	11 Aug 2025	1048	9	<2	<2	<2
I25	18 Aug 2025	1125	2	<20	<2	<2
I25	18 Aug 2025	1125	6	2e	<2	<2
I25	18 Aug 2025	1125	9	8e	<2	<2
I25	26 Aug 2025	1141	2	<2	<2	<2
I25	26 Aug 2025	1141	6	30e	<2	2e
I25	26 Aug 2025	1141	9	2e	<2	2e
I26	04 Aug 2025	1140	2	<2	<2	<2
I26	04 Aug 2025	1140	6	<2	<2	<2
I26	04 Aug 2025	1140	9	<2	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I26	11 Aug 2025	1057	2	<2	<2	<2
I26	11 Aug 2025	1057	6	<2	<2	<2
I26	11 Aug 2025	1057	9	<2	<2	<2
I26	18 Aug 2025	1136	2	40e	<2	<2
I26	18 Aug 2025	1136	6	<2	<2	<2
I26	18 Aug 2025	1136	9	2e	<2	<2
I26	26 Aug 2025	1151	2	<2	<2	<2
I26	26 Aug 2025	1151	6	2e	<2	<2
I26	26 Aug 2025	1151	9	<20	<2	2e
I32	04 Aug 2025	1151	2	<2	<2	<2
I32	04 Aug 2025	1151	6	6e	<2	<2
I32	04 Aug 2025	1151	9	16e	<2	<2
I32	11 Aug 2025	1108	2	<20	<2	<2
I32	11 Aug 2025	1108	6	20e	<2	4e
I32	11 Aug 2025	1108	9	60e	2e	<2
I32	18 Aug 2025	1147	2	<20	<2	<2
I32	18 Aug 2025	1147	6	<2	<2	<2
I32	18 Aug 2025	1147	9	<2	<2	<2
I32	26 Aug 2025	1202	2	2e	<2	<2
I32	26 Aug 2025	1202	6	20e	<2	6e
I32	26 Aug 2025	1202	9	20e	6e	2e
I39	04 Aug 2025	1045	2	<2	<2	<2
I39	04 Aug 2025	1045	12	<2	<2	<2
I39	04 Aug 2025	1045	18	<2	4e	<2
I39	11 Aug 2025	1000	2	<2	<2	<2
I39	11 Aug 2025	1000	12	<2	<2	<2
I39	11 Aug 2025	1000	18	<2	<2	<2
I39	18 Aug 2025	1035	2	<2	2e	<2
I39	18 Aug 2025	1035	12	<2	<2	<2
I39	18 Aug 2025	1035	18	2e	<2	<2
I39	26 Aug 2025	1054	2	<20	<2	<2
I39	26 Aug 2025	1054	12	16e	<2	<2
I39	26 Aug 2025	1054	18	8e	<2	<2
I40	04 Aug 2025	1116	2	<20	<2	<2
I40	04 Aug 2025	1116	6	<2	<2	<2
I40	04 Aug 2025	1116	9	<20	<2	<2
I40	11 Aug 2025	1033	2	<2	<2	<2
I40	11 Aug 2025	1033	6	<20	2e	2e
I40	11 Aug 2025	1033	9	2e	2e	2e
I40	18 Aug 2025	1110	2	2e	<2	<2
I40	18 Aug 2025	1110	6	24e	<2	<2
I40	18 Aug 2025	1110	9	8e	2e	<2
I40	26 Aug 2025	1127	2	<2	<2	<2
I40	26 Aug 2025	1127	6	<20	<2	4e
I40	26 Aug 2025	1127	9	16e	<2	4e

ns = not sampled

ND = no data

Table 3.8

Summary of visual observations made during the month for each SBOO kelp station by sample date.

Station	Date	Parameter	Value
I19	04 Aug 2025	Arrive Time	1106
I19	04 Aug 2025	Depart Time	1110
I19	04 Aug 2025	Air Temp (C)	17.3
I19	04 Aug 2025	Visibility (mi)	7
I19	04 Aug 2025	Wind Speed (kts)	12.9
I19	04 Aug 2025	Wind Dir	156
I19	04 Aug 2025	Sea State	Light Chop
I19	04 Aug 2025	High Tide Time	1824
I19	04 Aug 2025	Low Tide Time	136
I19	04 Aug 2025	Comments	
I19	11 Aug 2025	Arrive Time	1021
I19	11 Aug 2025	Depart Time	1025
I19	11 Aug 2025	Air Temp (C)	19.3
I19	11 Aug 2025	Visibility (mi)	8
I19	11 Aug 2025	Wind Speed (kts)	9.7
I19	11 Aug 2025	Wind Dir	S
I19	11 Aug 2025	Sea State	Light Chop
I19	11 Aug 2025	High Tide Time	2312
I19	11 Aug 2025	Low Tide Time	512
I19	11 Aug 2025	Comments	
I19	18 Aug 2025	Arrive Time	1058
I19	18 Aug 2025	Depart Time	1107
I19	18 Aug 2025	Air Temp (C)	20.9
I19	18 Aug 2025	Visibility (mi)	10
I19	18 Aug 2025	Wind Speed (kts)	3.2
I19	18 Aug 2025	Wind Dir	W
I19	18 Aug 2025	Sea State	Wind Ripples
I19	18 Aug 2025	High Tide Time	1806
I19	18 Aug 2025	Low Tide Time	54
I19	18 Aug 2025	Comments	
I19	26 Aug 2025	Arrive Time	1116
I19	26 Aug 2025	Depart Time	1118
I19	26 Aug 2025	Air Temp (C)	23.2
I19	26 Aug 2025	Visibility (mi)	11
I19	26 Aug 2025	Wind Speed (kts)	2.7
I19	26 Aug 2025	Wind Dir	NW
I19	26 Aug 2025	Sea State	Calm
I19	26 Aug 2025	High Tide Time	1136
I19	26 Aug 2025	Low Tide Time	524
I19	26 Aug 2025	Comments	
I40	04 Aug 2025	Arrive Time	1116
I40	04 Aug 2025	Depart Time	1121
I40	04 Aug 2025	Air Temp (C)	17.6
I40	04 Aug 2025	Visibility (mi)	7
I40	04 Aug 2025	Wind Speed (kts)	11.4
I40	04 Aug 2025	Wind Dir	S
I40	04 Aug 2025	Sea State	Confused Swell
I40	04 Aug 2025	High Tide Time	1824
I40	04 Aug 2025	Low Tide Time	136
I40	04 Aug 2025	Comments	
I40	11 Aug 2025	Arrive Time	1033

Station	Date	Parameter	Value
I40	11 Aug 2025	Depart Time	1037
I40	11 Aug 2025	Air Temp (C)	19.3
I40	11 Aug 2025	Visibility (mi)	8
I40	11 Aug 2025	Wind Speed (kts)	7.5
I40	11 Aug 2025	Wind Dir	S
I40	11 Aug 2025	Sea State	Light Chop
I40	11 Aug 2025	High Tide Time	2312
I40	11 Aug 2025	Low Tide Time	512
I40	11 Aug 2025	Comments	
I40	18 Aug 2025	Arrive Time	1110
I40	18 Aug 2025	Depart Time	1113
I40	18 Aug 2025	Air Temp (C)	20.9
I40	18 Aug 2025	Visibility (mi)	10
I40	18 Aug 2025	Wind Speed (kts)	2.8
I40	18 Aug 2025	Wind Dir	W
I40	18 Aug 2025	Sea State	Wind Ripples
I40	18 Aug 2025	High Tide Time	1806
I40	18 Aug 2025	Low Tide Time	54
I40	18 Aug 2025	Comments	
I40	26 Aug 2025	Arrive Time	1127
I40	26 Aug 2025	Depart Time	1129
I40	26 Aug 2025	Air Temp (C)	23
I40	26 Aug 2025	Visibility (mi)	11
I40	26 Aug 2025	Wind Speed (kts)	1.9
I40	26 Aug 2025	Wind Dir	NW
I40	26 Aug 2025	Sea State	Calm
I40	26 Aug 2025	High Tide Time	1136
I40	26 Aug 2025	Low Tide Time	524
I40	26 Aug 2025	Comments	
I24	04 Aug 2025	Arrive Time	1125
I24	04 Aug 2025	Depart Time	1130
I24	04 Aug 2025	Air Temp (C)	17.5
I24	04 Aug 2025	Visibility (mi)	7
I24	04 Aug 2025	Wind Speed (kts)	8.7
I24	04 Aug 2025	Wind Dir	SE
I24	04 Aug 2025	Sea State	Confused Swell
I24	04 Aug 2025	High Tide Time	1824
I24	04 Aug 2025	Low Tide Time	136
I24	04 Aug 2025	Comments	
I24	11 Aug 2025	Arrive Time	1041
I24	11 Aug 2025	Depart Time	1044
I24	11 Aug 2025	Air Temp (C)	19.3
I24	11 Aug 2025	Visibility (mi)	8
I24	11 Aug 2025	Wind Speed (kts)	7.5
I24	11 Aug 2025	Wind Dir	S
I24	11 Aug 2025	Sea State	Light Chop
I24	11 Aug 2025	High Tide Time	2312
I24	11 Aug 2025	Low Tide Time	512
I24	11 Aug 2025	Comments	
I24	18 Aug 2025	Arrive Time	1119
I24	18 Aug 2025	Depart Time	1121
I24	18 Aug 2025	Air Temp (C)	21.1
I24	18 Aug 2025	Visibility (mi)	10
I24	18 Aug 2025	Wind Speed (kts)	4.5
I24	18 Aug 2025	Wind Dir	W
I24	18 Aug 2025	Sea State	Light Chop

Station	Date	Parameter	Value
I24	18 Aug 2025	High Tide Time	1806
I24	18 Aug 2025	Low Tide Time	54
I24	18 Aug 2025	Comments	
I24	26 Aug 2025	Arrive Time	1135
I24	26 Aug 2025	Depart Time	1137
I24	26 Aug 2025	Air Temp (C)	23.5
I24	26 Aug 2025	Visibility (mi)	11
I24	26 Aug 2025	Wind Speed (kts)	1.7
I24	26 Aug 2025	Wind Dir	NW
I24	26 Aug 2025	Sea State	Calm
I24	26 Aug 2025	High Tide Time	1136
I24	26 Aug 2025	Low Tide Time	524
I24	26 Aug 2025	Comments	
I25	04 Aug 2025	Arrive Time	1132
I25	04 Aug 2025	Depart Time	1136
I25	04 Aug 2025	Air Temp (C)	17.5
I25	04 Aug 2025	Visibility (mi)	7
I25	04 Aug 2025	Wind Speed (kts)	8.9
I25	04 Aug 2025	Wind Dir	SE
I25	04 Aug 2025	Sea State	Confused Swell
I25	04 Aug 2025	High Tide Time	1824
I25	04 Aug 2025	Low Tide Time	136
I25	04 Aug 2025	Comments	
I25	11 Aug 2025	Arrive Time	1048
I25	11 Aug 2025	Depart Time	1052
I25	11 Aug 2025	Air Temp (C)	19.3
I25	11 Aug 2025	Visibility (mi)	8
I25	11 Aug 2025	Wind Speed (kts)	7.7
I25	11 Aug 2025	Wind Dir	S
I25	11 Aug 2025	Sea State	Light Chop
I25	11 Aug 2025	High Tide Time	2312
I25	11 Aug 2025	Low Tide Time	512
I25	11 Aug 2025	Comments	High WETstar CDOM present in upcast as well
I25	18 Aug 2025	Arrive Time	1125
I25	18 Aug 2025	Depart Time	1128
I25	18 Aug 2025	Air Temp (C)	21.9
I25	18 Aug 2025	Visibility (mi)	10
I25	18 Aug 2025	Wind Speed (kts)	3.5
I25	18 Aug 2025	Wind Dir	W
I25	18 Aug 2025	Sea State	Light Chop
I25	18 Aug 2025	High Tide Time	1806
I25	18 Aug 2025	Low Tide Time	54
I25	18 Aug 2025	Comments	
I25	26 Aug 2025	Arrive Time	1141
I25	26 Aug 2025	Depart Time	1144
I25	26 Aug 2025	Air Temp (C)	23.2
I25	26 Aug 2025	Visibility (mi)	11
I25	26 Aug 2025	Wind Speed (kts)	2.9
I25	26 Aug 2025	Wind Dir	NW
I25	26 Aug 2025	Sea State	Calm
I25	26 Aug 2025	High Tide Time	1136
I25	26 Aug 2025	Low Tide Time	524
I25	26 Aug 2025	Comments	
I39	04 Aug 2025	Arrive Time	1045
I39	04 Aug 2025	Depart Time	1059

Station	Date	Parameter	Value
I39	04 Aug 2025	Air Temp (C)	17.2
I39	04 Aug 2025	Visibility (mi)	7
I39	04 Aug 2025	Wind Speed (kts)	10.3
I39	04 Aug 2025	Wind Dir	SE
I39	04 Aug 2025	Sea State	Wind Ripples
I39	04 Aug 2025	High Tide Time	1824
I39	04 Aug 2025	Low Tide Time	136
I39	04 Aug 2025	Comments	
I39	11 Aug 2025	Arrive Time	1000
I39	11 Aug 2025	Depart Time	1004
I39	11 Aug 2025	Air Temp (C)	19.5
I39	11 Aug 2025	Visibility (mi)	8
I39	11 Aug 2025	Wind Speed (kts)	4.7
I39	11 Aug 2025	Wind Dir	S
I39	11 Aug 2025	Sea State	Light Chop
I39	11 Aug 2025	High Tide Time	2312
I39	11 Aug 2025	Low Tide Time	512
I39	11 Aug 2025	Comments	
I39	18 Aug 2025	Arrive Time	1035
I39	18 Aug 2025	Depart Time	1038
I39	18 Aug 2025	Air Temp (C)	21.1
I39	18 Aug 2025	Visibility (mi)	10
I39	18 Aug 2025	Wind Speed (kts)	3.5
I39	18 Aug 2025	Wind Dir	W
I39	18 Aug 2025	Sea State	Wind Ripples
I39	18 Aug 2025	High Tide Time	1806
I39	18 Aug 2025	Low Tide Time	54
I39	18 Aug 2025	Comments	
I39	26 Aug 2025	Arrive Time	1054
I39	26 Aug 2025	Depart Time	1056
I39	26 Aug 2025	Air Temp (C)	24
I39	26 Aug 2025	Visibility (mi)	11
I39	26 Aug 2025	Wind Speed (kts)	1.7
I39	26 Aug 2025	Wind Dir	NW
I39	26 Aug 2025	Sea State	Calm
I39	26 Aug 2025	High Tide Time	1136
I39	26 Aug 2025	Low Tide Time	524
I39	26 Aug 2025	Comments	
I26	04 Aug 2025	Arrive Time	1140
I26	04 Aug 2025	Depart Time	1145
I26	04 Aug 2025	Air Temp (C)	17.9
I26	04 Aug 2025	Visibility (mi)	7
I26	04 Aug 2025	Wind Speed (kts)	8.3
I26	04 Aug 2025	Wind Dir	SE
I26	04 Aug 2025	Sea State	Confused Swell
I26	04 Aug 2025	High Tide Time	1824
I26	04 Aug 2025	Low Tide Time	136
I26	04 Aug 2025	Comments	
I26	11 Aug 2025	Arrive Time	1057
I26	11 Aug 2025	Depart Time	1100
I26	11 Aug 2025	Air Temp (C)	19.2
I26	11 Aug 2025	Visibility (mi)	8
I26	11 Aug 2025	Wind Speed (kts)	9.2
I26	11 Aug 2025	Wind Dir	S
I26	11 Aug 2025	Sea State	Light Chop
I26	11 Aug 2025	High Tide Time	2312

Station	Date	Parameter	Value
I26	11 Aug 2025	Low Tide Time	512
I26	11 Aug 2025	Comments	
I26	18 Aug 2025	Arrive Time	1136
I26	18 Aug 2025	Depart Time	1138
I26	18 Aug 2025	Air Temp (C)	22.5
I26	18 Aug 2025	Visibility (mi)	10
I26	18 Aug 2025	Wind Speed (kts)	3.7
I26	18 Aug 2025	Wind Dir	W
I26	18 Aug 2025	Sea State	Light Chop
I26	18 Aug 2025	High Tide Time	1806
I26	18 Aug 2025	Low Tide Time	54
I26	18 Aug 2025	Comments	
I26	26 Aug 2025	Arrive Time	1151
I26	26 Aug 2025	Depart Time	1153
I26	26 Aug 2025	Air Temp (C)	22.4
I26	26 Aug 2025	Visibility (mi)	11
I26	26 Aug 2025	Wind Speed (kts)	3.7
I26	26 Aug 2025	Wind Dir	NW
I26	26 Aug 2025	Sea State	Calm
I26	26 Aug 2025	High Tide Time	1136
I26	26 Aug 2025	Low Tide Time	524
I26	26 Aug 2025	Comments	
I32	04 Aug 2025	Arrive Time	1151
I32	04 Aug 2025	Depart Time	1155
I32	04 Aug 2025	Air Temp (C)	17.7
I32	04 Aug 2025	Visibility (mi)	7
I32	04 Aug 2025	Wind Speed (kts)	8.2
I32	04 Aug 2025	Wind Dir	SE
I32	04 Aug 2025	Sea State	Confused Swell
I32	04 Aug 2025	High Tide Time	1824
I32	04 Aug 2025	Low Tide Time	136
I32	04 Aug 2025	Comments	
I32	11 Aug 2025	Arrive Time	1108
I32	11 Aug 2025	Depart Time	1112
I32	11 Aug 2025	Air Temp (C)	19.3
I32	11 Aug 2025	Visibility (mi)	8
I32	11 Aug 2025	Wind Speed (kts)	9.5
I32	11 Aug 2025	Wind Dir	SW
I32	11 Aug 2025	Sea State	Light Chop
I32	11 Aug 2025	High Tide Time	2312
I32	11 Aug 2025	Low Tide Time	512
I32	11 Aug 2025	Comments	
I32	18 Aug 2025	Arrive Time	1147
I32	18 Aug 2025	Depart Time	1155
I32	18 Aug 2025	Air Temp (C)	21.9
I32	18 Aug 2025	Visibility (mi)	10
I32	18 Aug 2025	Wind Speed (kts)	3.5
I32	18 Aug 2025	Wind Dir	W
I32	18 Aug 2025	Sea State	Light Chop
I32	18 Aug 2025	High Tide Time	1806
I32	18 Aug 2025	Low Tide Time	54
I32	18 Aug 2025	Comments	
I32	26 Aug 2025	Arrive Time	1202
I32	26 Aug 2025	Depart Time	1205
I32	26 Aug 2025	Air Temp (C)	22.6

Station	Date	Parameter	Value
I32	26 Aug 2025	Visibility (mi)	11
I32	26 Aug 2025	Wind Speed (kts)	4
I32	26 Aug 2025	Wind Dir	NW
I32	26 Aug 2025	Sea State	Calm
I32	26 Aug 2025	High Tide Time	1136
I32	26 Aug 2025	Low Tide Time	524
I32	26 Aug 2025	Comments	

Table 3.9

Summary of CTD profile data from the SBOO kelp stations for each sample date.

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I19	04 Aug 2025	1	19.31	85.16	9.2	33.554	8.2	23.8	0.53
I19	04 Aug 2025	2	19.31	85.03	9.1	33.553	8.2	23.8	0.56
I19	04 Aug 2025	3	19.30	85.01	9.2	33.554	8.2	23.8	0.63
I19	04 Aug 2025	4	19.19	84.89	9.2	33.558	8.2	23.9	0.69
I19	04 Aug 2025	5	18.45	84.58	9.8	33.572	8.2	24.1	0.87
I19	04 Aug 2025	6	18.05	83.78	10.3	33.561	8.2	24.2	1.16
I19	04 Aug 2025	7	17.51	84.69	10.8	33.568	8.2	24.3	1.62
I19	04 Aug 2025	8	17.00	80.35	11.3	33.547	8.2	24.4	3.83
I19	04 Aug 2025	9	16.52	76.76	11.8	33.548	8.3	24.5	8.01
I19	04 Aug 2025	10	15.17	71.08	12.9	33.562	8.3	24.8	12.43
I19	11 Aug 2025	1	19.17	87.12	8.9	33.555	8.2	23.9	0.58
I19	11 Aug 2025	2	19.09	87.74	8.8	33.559	8.2	23.9	0.59
I19	11 Aug 2025	3	18.79	88.31	8.9	33.556	8.2	24.0	0.61
I19	11 Aug 2025	4	18.71	88.46	8.9	33.547	8.2	24.0	0.69
I19	11 Aug 2025	5	18.66	88.46	8.9	33.545	8.2	24.0	0.73
I19	11 Aug 2025	6	18.61	88.67	8.9	33.541	8.2	24.0	0.79
I19	11 Aug 2025	7	18.54	88.69	8.9	33.54	8.2	24.0	0.86
I19	11 Aug 2025	8	18.52	88.62	9.0	33.537	8.2	24.0	0.87
I19	11 Aug 2025	9	18.43	88.54	9.0	33.535	8.2	24.0	0.93
I19	11 Aug 2025	10	18.29	88.20	9.0	33.53	8.2	24.1	1.01
I19	18 Aug 2025	1	20.67	76.72	9.6	33.452	8.4	23.4	2.35
I19	18 Aug 2025	2	20.66	75.83	9.5	33.45	8.4	23.4	2.46
I19	18 Aug 2025	3	20.47	75.38	9.4	33.451	8.4	23.5	2.72
I19	18 Aug 2025	4	19.80	74.83	9.2	33.474	8.3	23.7	4.58
I19	18 Aug 2025	5	19.48	72.92	8.5	33.468	8.3	23.7	5.24
I19	18 Aug 2025	6	18.68	78.18	8.3	33.445	8.2	23.9	3.37
I19	18 Aug 2025	7	17.57	83.19	8.7	33.423	8.2	24.2	3.39
I19	18 Aug 2025	8	16.84	82.66	9.0	33.411	8.2	24.3	4.57
I19	18 Aug 2025	9	16.71	83.09	9.1	33.4	8.2	24.4	4.95
I19	18 Aug 2025	10	16.51	83.58	9.1	33.394	8.2	24.4	4.64
I19	26 Aug 2025	1	20.43	73.27	9.5	33.397	8.3	23.4	2.76
I19	26 Aug 2025	2	20.59	71.69	9.4	33.396	8.3	23.4	2.88
I19	26 Aug 2025	3	20.08	72.91	9.4	33.38	8.3	23.5	3.07
I19	26 Aug 2025	4	18.91	72.88	9.6	33.387	8.2	23.8	3.59
I19	26 Aug 2025	5	18.59	74.62	9.4	33.375	8.2	23.9	3.88
I19	26 Aug 2025	6	18.52	77.03	9.2	33.37	8.2	23.9	3.83
I19	26 Aug 2025	7	18.39	77.64	9.2	33.369	8.2	23.9	3.74
I19	26 Aug 2025	8	18.33	78.27	8.9	33.37	8.2	23.9	3.71
I19	26 Aug 2025	9	18.24	77.22	8.7	33.37	8.2	24.0	3.72
I19	26 Aug 2025	10	18.16	76.62	8.5	33.373	8.2	24.0	3.53
I40	04 Aug 2025	1	19.28	84.05	9.1	33.554	8.2	23.8	0.66
I40	04 Aug 2025	2	19.26	84.05	9.1	33.556	8.2	23.9	0.70
I40	04 Aug 2025	3	19.18	83.77	9.2	33.558	8.2	23.9	0.81
I40	04 Aug 2025	4	19.09	83.55	9.2	33.558	8.2	23.9	1.03
I40	04 Aug 2025	5	18.81	82.74	9.4	33.56	8.2	24.0	1.28
I40	04 Aug 2025	6	17.94	77.93	10.7	33.564	8.3	24.2	2.65
I40	04 Aug 2025	7	17.24	69.02	11.6	33.559	8.3	24.4	6.86
I40	04 Aug 2025	8	15.61	58.26	11.8	33.547	8.3	24.7	13.44
I40	04 Aug 2025	9	14.98	55.62	11.3	33.528	8.2	24.8	10.45
I40	04 Aug 2025	10	14.85	62.42	11.0	33.487	8.2	24.8	6.55
I40	11 Aug 2025	1	19.17	88.08	8.9	33.547	8.2	23.9	0.49
I40	11 Aug 2025	2	18.78	88.67	8.9	33.553	8.2	24.0	0.50
I40	11 Aug 2025	3	18.45	88.47	8.9	33.531	8.2	24.0	0.68
I40	11 Aug 2025	4	18.26	87.10	8.9	33.522	8.2	24.1	1.08
I40	11 Aug 2025	5	17.90	84.57	9.0	33.517	8.2	24.2	1.69
I40	11 Aug 2025	6	17.66	83.27	8.9	33.507	8.2	24.2	2.30
I40	11 Aug 2025	7	17.49	82.09	8.8	33.501	8.2	24.2	2.25
I40	11 Aug 2025	8	17.25	81.52	8.5	33.502	8.1	24.3	2.08
I40	11 Aug 2025	9	16.08	77.73	8.2	33.505	8.1	24.6	2.80
I40	11 Aug 2025	10	14.94	59.19	8.0	33.465	8.1	24.8	3.03
I40	18 Aug 2025	1	20.90	75.00	9.7	33.428	8.4	23.3	2.24
I40	18 Aug 2025	2	20.69	74.45	9.5	33.44	8.4	23.4	2.82

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I40	18 Aug 2025	3	20.50	74.42	9.5	33.449	8.4	23.4	4.07
I40	18 Aug 2025	4	20.51	73.75	9.3	33.444	8.4	23.4	4.37
I40	18 Aug 2025	5	19.94	73.10	8.8	33.478	8.3	23.6	4.57
I40	18 Aug 2025	6	19.32	76.29	8.3	33.477	8.2	23.8	3.36
I40	18 Aug 2025	7	18.25	80.73	8.4	33.449	8.2	24.0	3.22
I40	18 Aug 2025	8	17.22	81.76	8.6	33.43	8.2	24.3	3.14
I40	18 Aug 2025	9	16.93	79.56	8.6	33.42	8.2	24.3	3.40
I40	18 Aug 2025	10	17.62	78.04	8.5	33.415	8.2	24.2	3.43
I40	26 Aug 2025	1	21.62	75.91	9.2	33.417	8.3	23.1	1.60
I40	26 Aug 2025	2	21.46	75.85	9.1	33.409	8.3	23.2	1.81
I40	26 Aug 2025	3	20.22	75.18	9.4	33.388	8.3	23.5	2.46
I40	26 Aug 2025	4	19.39	71.74	9.9	33.386	8.3	23.7	3.75
I40	26 Aug 2025	5	19.23	66.21	9.8	33.385	8.3	23.7	5.46
I40	26 Aug 2025	6	19.06	68.08	9.3	33.376	8.2	23.8	6.15
I40	26 Aug 2025	7	18.70	69.13	9.2	33.372	8.2	23.9	5.76
I40	26 Aug 2025	8	18.53	70.10	9.5	33.366	8.2	23.9	3.95
I40	26 Aug 2025	9	18.38	76.53	9.1	33.374	8.2	23.9	3.38
I40	26 Aug 2025	10	18.29	80.94	8.4	33.374	8.2	24.0	3.54
I24	04 Aug 2025	1	19.08	85.62	9.5	33.549	8.2	23.9	0.55
I24	04 Aug 2025	2	19.09	85.67	9.5	33.549	8.2	23.9	0.56
I24	04 Aug 2025	3	19.08	85.88	9.5	33.549	8.2	23.9	0.62
I24	04 Aug 2025	4	19.06	85.79	9.5	33.549	8.2	23.9	0.80
I24	04 Aug 2025	5	19.04	85.23	9.5	33.549	8.2	23.9	0.92
I24	04 Aug 2025	6	18.91	84.49	9.6	33.55	8.2	23.9	1.16
I24	04 Aug 2025	7	18.60	82.48	9.8	33.544	8.2	24.0	2.05
I24	04 Aug 2025	8	18.15	79.59	10.1	33.549	8.2	24.1	2.84
I24	04 Aug 2025	9	16.43	75.10	11.2	33.542	8.3	24.5	7.62
I24	04 Aug 2025	10	15.80	80.46	11.2	33.539	8.2	24.7	3.84
I24	04 Aug 2025	11	16.15	84.58	11.2	33.489	8.2	24.6	2.15
I24	11 Aug 2025	1	19.57	89.56	9.1	33.55	8.2	23.8	0.51
I24	11 Aug 2025	2	19.45	88.81	9.0	33.555	8.2	23.8	0.54
I24	11 Aug 2025	3	18.14	89.47	8.9	33.585	8.2	24.2	0.53
I24	11 Aug 2025	4	16.72	89.60	9.2	33.522	8.1	24.4	0.66
I24	11 Aug 2025	5	16.33	88.40	9.2	33.489	8.1	24.5	2.19
I24	11 Aug 2025	6	16.09	83.03	9.0	33.477	8.1	24.6	5.01
I24	11 Aug 2025	7	15.93	79.38	8.7	33.471	8.1	24.6	5.48
I24	11 Aug 2025	8	14.82	76.50	8.4	33.484	8.1	24.8	5.68
I24	11 Aug 2025	9	14.23	78.83	8.2	33.443	8.0	24.9	3.18
I24	11 Aug 2025	10	14.01	83.17	7.9	33.419	8.0	25.0	1.86
I24	11 Aug 2025	11	14.23	80.64	7.9	33.395	8.0	24.9	2.08
I24	18 Aug 2025	1	20.61	83.85	8.7	33.465	8.3	23.4	1.70
I24	18 Aug 2025	2	20.71	83.99	9.2	33.454	8.3	23.4	1.49
I24	18 Aug 2025	3	20.41	82.88	9.0	33.463	8.3	23.5	2.23
I24	18 Aug 2025	4	19.92	83.44	8.4	33.478	8.2	23.6	2.47
I24	18 Aug 2025	5	19.64	87.41	8.2	33.485	8.2	23.7	1.64
I24	18 Aug 2025	6	19.56	92.30	8.2	33.477	8.2	23.7	1.22
I24	18 Aug 2025	7	18.98	91.61	8.4	33.474	8.2	23.9	1.40
I24	18 Aug 2025	8	18.63	91.26	8.4	33.453	8.2	23.9	1.48
I24	18 Aug 2025	9	17.26	88.34	8.6	33.419	8.2	24.2	2.17
I24	18 Aug 2025	10	17.27	87.85	8.7	33.427	8.2	24.2	2.28
I24	26 Aug 2025	1	21.82	78.33	10.1	33.422	8.3	23.1	1.56
I24	26 Aug 2025	2	21.89	78.25	10.1	33.418	8.3	23.0	1.53
I24	26 Aug 2025	3	21.55	77.94	9.9	33.404	8.3	23.1	1.89
I24	26 Aug 2025	4	20.11	77.76	10.3	33.39	8.3	23.5	2.74
I24	26 Aug 2025	5	19.51	73.82	10.4	33.374	8.3	23.6	3.48
I24	26 Aug 2025	6	18.99	68.88	10.2	33.369	8.3	23.8	4.73
I24	26 Aug 2025	7	18.78	68.89	10.0	33.365	8.2	23.8	4.78
I24	26 Aug 2025	8	18.50	74.79	10.0	33.358	8.2	23.9	4.49
I24	26 Aug 2025	9	18.35	79.86	9.7	33.359	8.2	23.9	3.68
I24	26 Aug 2025	10	18.06	81.42	8.4	33.368	8.2	24.0	2.86
I25	04 Aug 2025	1	19.25	86.26	9.2	33.54	8.2	23.8	0.35
I25	04 Aug 2025	2	19.25	88.31	9.2	33.54	8.2	23.8	0.36
I25	04 Aug 2025	3	19.19	89.25	9.2	33.54	8.2	23.9	0.38
I25	04 Aug 2025	4	19.07	89.37	9.2	33.538	8.2	23.9	0.44
I25	04 Aug 2025	5	18.96	89.10	9.2	33.537	8.2	23.9	0.49
I25	04 Aug 2025	6	18.77	89.15	9.4	33.538	8.2	24.0	0.53
I25	04 Aug 2025	7	18.60	88.98	9.6	33.542	8.2	24.0	0.63
I25	04 Aug 2025	8	18.00	87.14	10.4	33.553	8.2	24.2	1.56

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I25	04 Aug 2025	9	16.54	81.03	11.0	33.565	8.2	24.5	5.16
I25	11 Aug 2025	1	19.34	89.64	8.0	33.6	8.2	23.9	0.52
I25	11 Aug 2025	2	19.21	89.71	8.6	33.564	8.2	23.9	0.52
I25	11 Aug 2025	3	18.50	89.64	8.7	NA	8.2	24.3	0.56
I25	11 Aug 2025	4	16.84	89.37	8.9	NA	8.1	24.8	0.92
I25	11 Aug 2025	5	16.32	88.67	8.9	NA	8.1	24.7	1.17
I25	11 Aug 2025	6	15.83	88.16	8.8	33.644	8.1	24.7	1.74
I25	11 Aug 2025	7	15.35	87.48	8.8	33.619	8.1	24.8	2.90
I25	11 Aug 2025	8	14.91	80.75	8.7	33.544	8.1	24.9	7.48
I25	11 Aug 2025	9	14.31	78.36	8.4	33.551	8.1	25.0	5.72
I25	18 Aug 2025	1	20.85	86.45	8.9	33.457	8.3	23.4	0.86
I25	18 Aug 2025	2	20.59	86.35	8.8	33.462	8.3	23.4	0.87
I25	18 Aug 2025	3	20.29	86.13	8.6	33.466	8.3	23.5	1.32
I25	18 Aug 2025	4	19.72	86.33	8.3	33.477	8.2	23.7	1.31
I25	18 Aug 2025	5	19.55	90.16	8.2	33.478	8.2	23.7	0.92
I25	18 Aug 2025	6	19.25	92.43	8.3	33.469	8.2	23.8	0.98
I25	18 Aug 2025	7	18.98	89.38	8.3	33.47	8.2	23.9	1.47
I25	18 Aug 2025	8	18.22	87.11	8.4	33.432	8.2	24.0	1.76
I25	18 Aug 2025	9	17.74	86.06	8.5	33.426	8.2	24.1	2.02
I25	26 Aug 2025	1	21.63	76.32	10.0	33.408	8.3	23.1	1.74
I25	26 Aug 2025	2	21.38	76.33	10.0	33.406	8.3	23.2	1.95
I25	26 Aug 2025	3	20.28	75.83	10.4	33.382	8.3	23.5	2.71
I25	26 Aug 2025	4	19.63	73.33	10.8	33.372	8.3	23.6	3.66
I25	26 Aug 2025	5	19.08	70.86	10.7	33.365	8.3	23.8	4.70
I25	26 Aug 2025	6	18.85	69.97	10.3	33.361	8.3	23.8	4.75
I25	26 Aug 2025	7	18.48	72.53	9.7	33.366	8.2	23.9	4.05
I25	26 Aug 2025	8	18.45	77.44	9.1	33.368	8.2	23.9	3.25
I25	26 Aug 2025	9	18.38	80.64	8.5	33.37	8.2	23.9	2.51
I39	04 Aug 2025	1	18.90	89.68	9.3	33.516	8.2	23.9	0.34
I39	04 Aug 2025	2	18.81	89.68	9.3	33.52	8.2	23.9	0.36
I39	04 Aug 2025	3	18.68	89.62	9.3	33.515	8.2	24.0	0.38
I39	04 Aug 2025	4	18.05	89.59	9.4	33.515	8.2	24.1	0.43
I39	04 Aug 2025	5	17.55	88.54	9.6	33.501	8.2	24.2	0.45
I39	04 Aug 2025	6	17.13	90.10	9.8	33.49	8.2	24.3	0.48
I39	04 Aug 2025	7	16.74	90.48	9.9	33.475	8.2	24.4	0.71
I39	04 Aug 2025	8	16.68	90.23	9.9	33.465	8.2	24.4	1.02
I39	04 Aug 2025	9	16.49	89.79	9.9	33.467	8.2	24.5	1.44
I39	04 Aug 2025	10	16.28	87.27	10.1	33.475	8.2	24.5	3.28
I39	04 Aug 2025	11	15.94	81.68	10.7	33.518	8.2	24.6	4.74
I39	04 Aug 2025	12	15.55	78.97	10.8	33.52	8.2	24.7	7.06
I39	04 Aug 2025	13	15.26	79.24	10.3	33.506	8.2	24.8	6.93
I39	04 Aug 2025	14	14.75	81.18	9.6	33.495	8.1	24.9	6.23
I39	04 Aug 2025	15	14.08	83.13	9.0	33.484	8.1	25.0	4.48
I39	04 Aug 2025	16	13.91	85.93	8.5	33.473	8.1	25.0	3.21
I39	04 Aug 2025	17	13.42	86.74	7.9	33.482	8.0	25.1	2.84
I39	04 Aug 2025	18	13.26	86.44	7.5	33.47	8.0	25.2	1.96
I39	11 Aug 2025	1	19.85	93.28	8.6	33.557	8.2	23.7	0.49
I39	11 Aug 2025	2	19.66	93.32	8.5	33.576	8.2	23.8	0.50
I39	11 Aug 2025	3	18.50	93.29	8.6	33.591	8.2	24.1	0.47
I39	11 Aug 2025	4	17.16	93.03	9.0	33.569	8.2	24.4	0.56
I39	11 Aug 2025	5	16.37	90.76	9.0	33.524	8.1	24.5	1.07
I39	11 Aug 2025	6	15.49	88.30	9.0	33.489	8.1	24.7	2.62
I39	11 Aug 2025	7	14.76	85.47	8.9	33.441	8.1	24.8	5.43
I39	11 Aug 2025	8	14.57	84.25	8.7	33.414	8.1	24.8	4.49
I39	11 Aug 2025	9	14.50	86.67	8.6	33.407	8.1	24.9	4.18
I39	11 Aug 2025	10	14.41	87.47	8.4	33.409	8.1	24.9	4.14
I39	11 Aug 2025	11	13.94	87.61	8.2	33.425	8.1	25.0	3.78
I39	11 Aug 2025	12	13.17	88.72	7.9	33.376	8.0	25.1	2.60
I39	11 Aug 2025	13	13.08	91.55	7.7	33.355	8.0	25.1	1.59
I39	11 Aug 2025	14	13.05	93.10	7.6	33.355	8.0	25.1	1.54
I39	11 Aug 2025	15	12.99	93.65	7.6	33.357	8.0	25.1	1.58
I39	11 Aug 2025	16	12.94	93.89	7.5	33.364	8.0	25.1	1.64
I39	11 Aug 2025	17	12.80	93.60	7.4	33.377	8.0	25.2	1.62
I39	11 Aug 2025	18	12.73	91.37	7.1	33.379	8.0	25.2	1.30
I39	18 Aug 2025	1	20.53	89.57	8.2	33.551	8.2	23.5	0.60
I39	18 Aug 2025	2	20.50	89.66	8.2	33.55	8.2	23.5	0.61
I39	18 Aug 2025	3	20.39	89.80	8.2	33.547	8.2	23.6	0.63
I39	18 Aug 2025	4	20.27	90.19	8.2	33.549	8.2	23.6	0.56

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I39	18 Aug 2025	5	20.22	90.83	8.2	33.548	8.2	23.6	0.61
I39	18 Aug 2025	6	20.22	91.19	8.2	33.548	8.2	23.6	0.67
I39	18 Aug 2025	7	20.17	91.50	8.2	33.54	8.2	23.6	0.70
I39	18 Aug 2025	8	19.95	91.65	8.3	33.536	8.2	23.7	0.71
I39	18 Aug 2025	9	19.87	91.79	8.3	33.529	8.2	23.7	0.70
I39	18 Aug 2025	10	19.85	92.82	8.3	33.529	8.2	23.7	0.67
I39	18 Aug 2025	11	19.79	93.30	8.3	33.524	8.2	23.7	0.65
I39	18 Aug 2025	12	19.35	93.65	8.5	33.515	8.2	23.8	0.69
I39	18 Aug 2025	13	18.87	93.55	8.8	33.503	8.2	23.9	1.15
I39	18 Aug 2025	14	18.67	92.79	8.9	33.488	8.2	23.9	1.40
I39	18 Aug 2025	15	18.50	92.39	8.8	33.47	8.2	24.0	1.37
I39	18 Aug 2025	16	18.39	92.83	8.7	33.463	8.2	24.0	1.21
I39	18 Aug 2025	17	17.31	92.64	8.7	33.426	8.2	24.2	1.46
I39	18 Aug 2025	18	16.09	91.89	8.8	33.421	8.2	24.5	2.79
I39	26 Aug 2025	1	21.16	78.24	10.8	33.424	8.3	23.3	2.37
I39	26 Aug 2025	2	21.25	78.26	10.6	33.394	8.3	23.2	2.26
I39	26 Aug 2025	3	20.53	78.09	10.9	33.395	8.3	23.4	2.95
I39	26 Aug 2025	4	20.37	77.80	10.9	33.407	8.3	23.5	3.47
I39	26 Aug 2025	5	20.28	79.10	10.8	33.409	8.3	23.5	3.44
I39	26 Aug 2025	6	20.05	80.66	10.8	33.408	8.3	23.5	3.74
I39	26 Aug 2025	7	19.59	81.24	10.8	33.401	8.3	23.6	3.71
I39	26 Aug 2025	8	19.33	81.31	10.8	33.387	8.3	23.7	3.76
I39	26 Aug 2025	9	19.18	80.70	10.8	33.382	8.3	23.7	3.85
I39	26 Aug 2025	10	19.16	80.77	10.8	33.387	8.3	23.7	3.62
I39	26 Aug 2025	11	19.05	82.23	10.8	33.387	8.3	23.8	3.34
I39	26 Aug 2025	12	19.01	82.23	10.8	33.382	8.3	23.8	3.48
I39	26 Aug 2025	13	18.94	81.67	10.7	33.383	8.3	23.8	3.51
I39	26 Aug 2025	14	18.91	81.39	10.6	33.382	8.3	23.8	3.41
I39	26 Aug 2025	15	18.79	81.48	10.4	33.377	8.3	23.8	3.47
I39	26 Aug 2025	16	18.64	81.20	10.0	33.381	8.2	23.9	3.45
I39	26 Aug 2025	17	18.04	81.05	9.3	33.365	8.2	24.0	3.35
I39	26 Aug 2025	18	17.44	81.79	8.6	33.374	8.1	24.2	2.96
I26	04 Aug 2025	1	18.76	88.56	9.7	33.543	8.2	24.0	0.37
I26	04 Aug 2025	2	18.75	88.39	9.7	33.544	8.2	24.0	0.40
I26	04 Aug 2025	3	18.70	87.80	9.8	33.544	8.2	24.0	0.48
I26	04 Aug 2025	4	18.70	88.06	9.8	33.544	8.2	24.0	0.59
I26	04 Aug 2025	5	18.61	87.84	9.9	33.543	8.2	24.0	0.78
I26	04 Aug 2025	6	18.45	86.55	10.1	33.54	8.2	24.0	1.19
I26	04 Aug 2025	7	17.92	83.64	10.5	33.538	8.2	24.2	2.84
I26	04 Aug 2025	8	16.78	75.93	11.7	33.553	8.3	24.5	8.09
I26	04 Aug 2025	9	15.72	80.99	12.0	33.545	8.3	24.7	4.96
I26	11 Aug 2025	1	19.51	90.47	9.1	33.544	8.2	23.8	0.44
I26	11 Aug 2025	2	19.37	90.70	9.0	33.554	8.2	23.8	0.45
I26	11 Aug 2025	3	18.46	90.72	9.0	33.549	8.2	24.0	0.44
I26	11 Aug 2025	4	17.05	89.03	9.2	33.539	8.1	24.4	0.50
I26	11 Aug 2025	5	16.67	87.92	9.2	33.502	8.2	24.4	0.98
I26	11 Aug 2025	6	16.33	85.55	9.2	33.487	8.1	24.5	2.32
I26	11 Aug 2025	7	16.23	84.15	9.2	33.478	8.1	24.5	3.59
I26	11 Aug 2025	8	15.96	81.35	9.0	33.484	8.1	24.6	4.85
I26	11 Aug 2025	9	15.07	80.63	8.7	33.488	8.1	24.8	4.34
I26	18 Aug 2025	1	21.22	76.81	9.4	33.406	8.4	23.2	1.53
I26	18 Aug 2025	2	20.60	78.17	9.0	33.458	8.3	23.4	1.63
I26	18 Aug 2025	3	19.94	84.16	8.4	33.496	8.2	23.6	1.45
I26	18 Aug 2025	4	19.89	89.09	8.3	33.488	8.2	23.6	1.41
I26	18 Aug 2025	5	19.86	88.94	8.3	33.486	8.2	23.6	1.90
I26	18 Aug 2025	6	19.83	87.63	8.3	33.481	8.2	23.6	2.32
I26	18 Aug 2025	7	19.43	85.05	8.2	33.473	8.2	23.7	2.90
I26	18 Aug 2025	8	18.18	85.33	8.4	33.461	8.2	24.0	2.85
I26	18 Aug 2025	9	17.41	88.28	8.4	33.435	8.2	24.2	2.64
I26	26 Aug 2025	1	21.95	81.06	10.3	33.43	8.3	23.0	1.33
I26	26 Aug 2025	2	21.79	81.12	10.3	33.427	8.3	23.1	1.44
I26	26 Aug 2025	3	21.61	80.71	10.3	33.431	8.3	23.1	1.61
I26	26 Aug 2025	4	21.46	81.58	10.2	33.428	8.3	23.2	1.74
I26	26 Aug 2025	5	21.16	82.42	10.1	33.42	8.3	23.2	2.06
I26	26 Aug 2025	6	20.56	81.93	10.0	33.397	8.3	23.4	2.69
I26	26 Aug 2025	7	19.38	78.48	10.1	33.38	8.3	23.7	3.93
I26	26 Aug 2025	8	18.92	68.60	9.7	33.386	8.3	23.8	4.72
I26	26 Aug 2025	9	18.34	69.51	9.0	33.376	8.2	23.9	4.87

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I32	04 Aug 2025	1	19.15	78.84	9.6	33.533	8.2	23.9	0.50
I32	04 Aug 2025	2	19.15	82.28	9.6	33.545	8.2	23.9	0.51
I32	04 Aug 2025	3	19.12	83.95	9.6	33.546	8.2	23.9	0.57
I32	04 Aug 2025	4	19.10	83.81	9.6	33.546	8.2	23.9	0.66
I32	04 Aug 2025	5	19.06	83.64	9.5	33.546	8.2	23.9	0.86
I32	04 Aug 2025	6	19.03	82.93	9.4	33.545	8.2	23.9	0.99
I32	04 Aug 2025	7	18.73	81.56	9.3	33.535	8.2	24.0	1.24
I32	04 Aug 2025	8	17.52	77.82	10.6	33.553	8.3	24.3	2.01
I32	04 Aug 2025	9	15.86	77.40	12.0	33.543	8.3	24.7	4.91
I32	04 Aug 2025	10	14.83	73.59	11.3	33.518	8.2	24.9	7.53
I32	11 Aug 2025	1	19.36	86.58	8.6	33.523	8.2	23.8	0.70
I32	11 Aug 2025	2	19.29	86.37	8.5	33.522	8.2	23.8	0.82
I32	11 Aug 2025	3	18.98	85.59	8.4	33.52	8.2	23.9	0.98
I32	11 Aug 2025	4	18.71	85.59	8.5	33.521	8.2	24.0	1.14
I32	11 Aug 2025	5	18.59	85.17	8.6	33.514	8.2	24.0	1.39
I32	11 Aug 2025	6	18.50	85.02	8.6	33.514	8.2	24.0	1.45
I32	11 Aug 2025	7	18.45	85.25	8.7	33.513	8.2	24.0	1.51
I32	11 Aug 2025	8	18.30	85.23	8.7	33.511	8.2	24.1	1.61
I32	11 Aug 2025	9	18.22	83.84	8.7	33.502	8.2	24.1	1.92
I32	11 Aug 2025	10	18.16	81.69	8.6	33.495	8.2	24.1	2.18
I32	18 Aug 2025	1	21.35	68.52	10.2	33.337	8.4	23.1	3.27
I32	18 Aug 2025	2	21.16	68.79	9.9	33.373	8.4	23.2	3.32
I32	18 Aug 2025	3	20.93	70.88	9.4	33.423	8.3	23.3	3.30
I32	18 Aug 2025	4	20.78	77.04	9.1	33.454	8.3	23.4	2.91
I32	18 Aug 2025	5	20.78	78.75	9.1	33.452	8.3	23.4	3.29
I32	18 Aug 2025	6	20.77	78.71	9.0	33.451	8.3	23.4	3.43
I32	18 Aug 2025	7	20.73	78.53	8.8	33.448	8.3	23.4	3.45
I32	18 Aug 2025	8	19.40	78.23	8.5	33.419	8.2	23.7	3.46
I32	18 Aug 2025	9	17.77	79.76	8.8	33.445	8.2	24.1	3.22
I32	18 Aug 2025	10	19.30	80.85	8.8	33.433	8.2	23.7	3.38
I32	26 Aug 2025	1	21.50	83.01	10.0	33.44	8.3	23.2	1.09
I32	26 Aug 2025	2	21.41	83.18	10.0	33.439	8.3	23.2	1.22
I32	26 Aug 2025	3	21.33	83.04	10.0	33.436	8.3	23.2	1.61
I32	26 Aug 2025	4	21.27	82.10	9.8	33.428	8.3	23.2	2.07
I32	26 Aug 2025	5	21.24	78.90	9.6	33.418	8.3	23.2	3.08
I32	26 Aug 2025	6	21.23	75.92	9.5	33.417	8.3	23.2	3.70
I32	26 Aug 2025	7	21.21	74.76	9.4	33.414	8.3	23.2	3.75
I32	26 Aug 2025	8	21.20	74.68	9.4	33.413	8.3	23.2	4.06
I32	26 Aug 2025	9	21.15	74.50	9.4	33.414	8.3	23.2	4.09
I32	26 Aug 2025	10	21.14	74.50	9.4	33.416	8.3	23.2	3.89

NA = not available

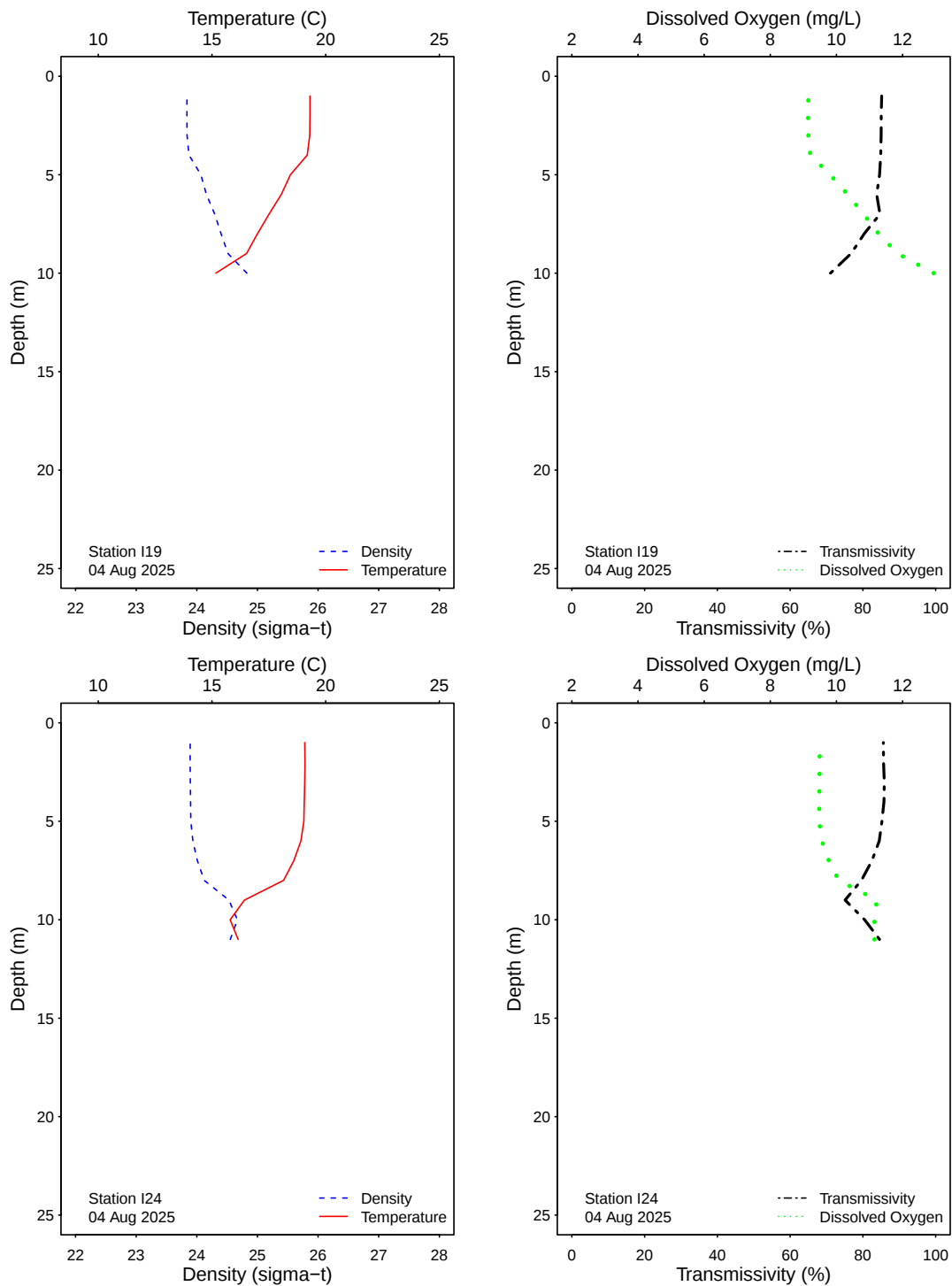


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

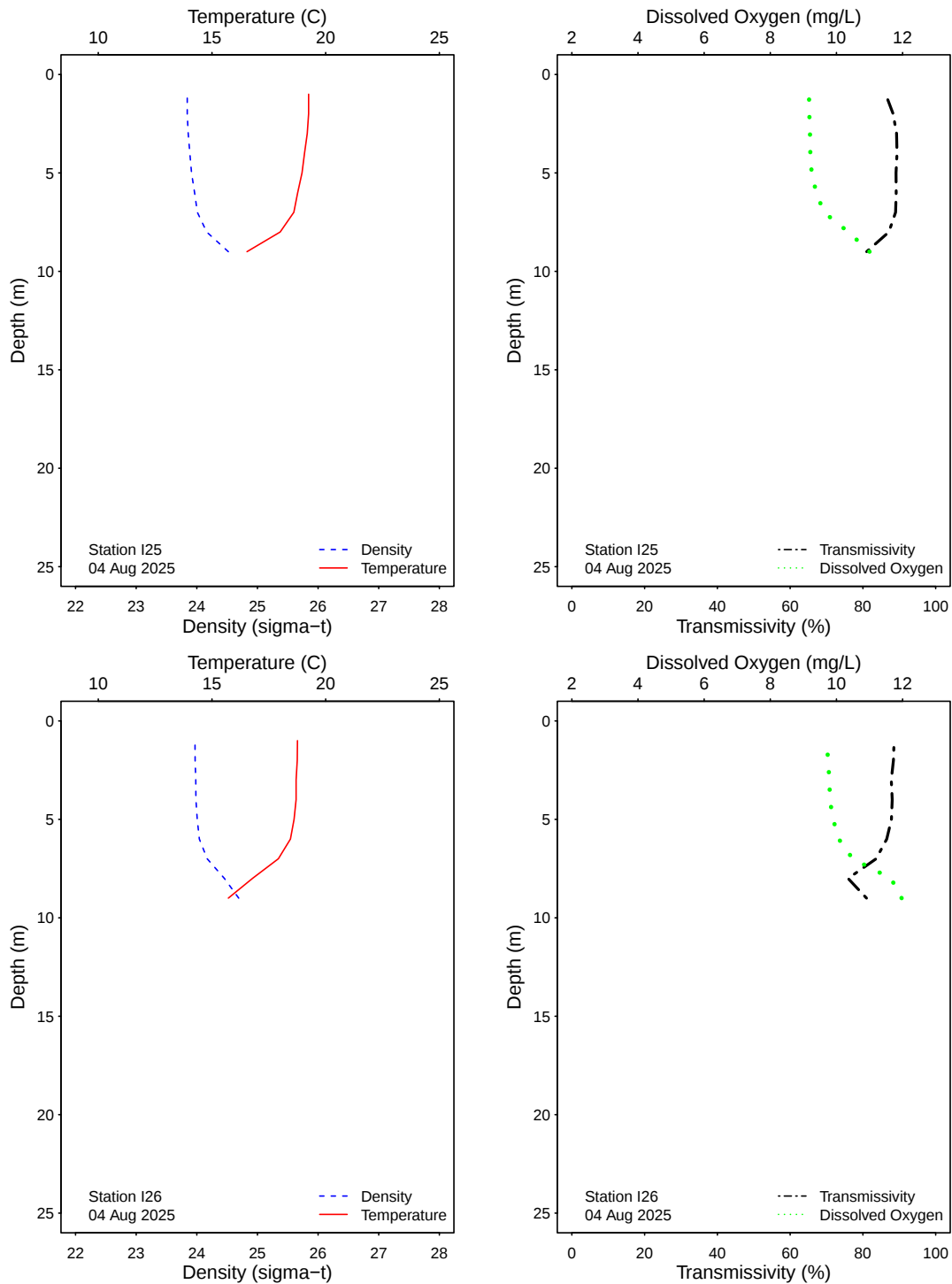


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

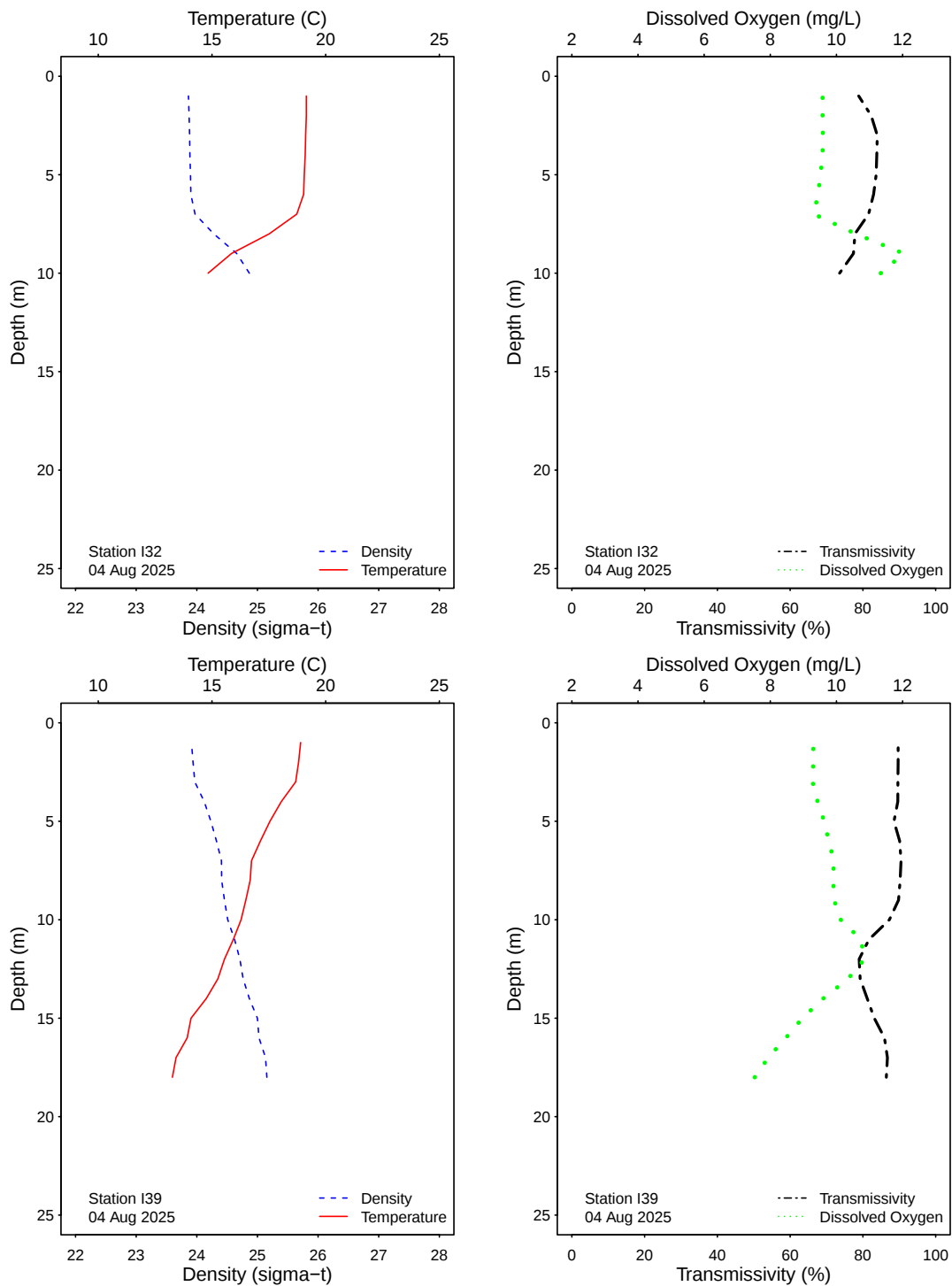


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

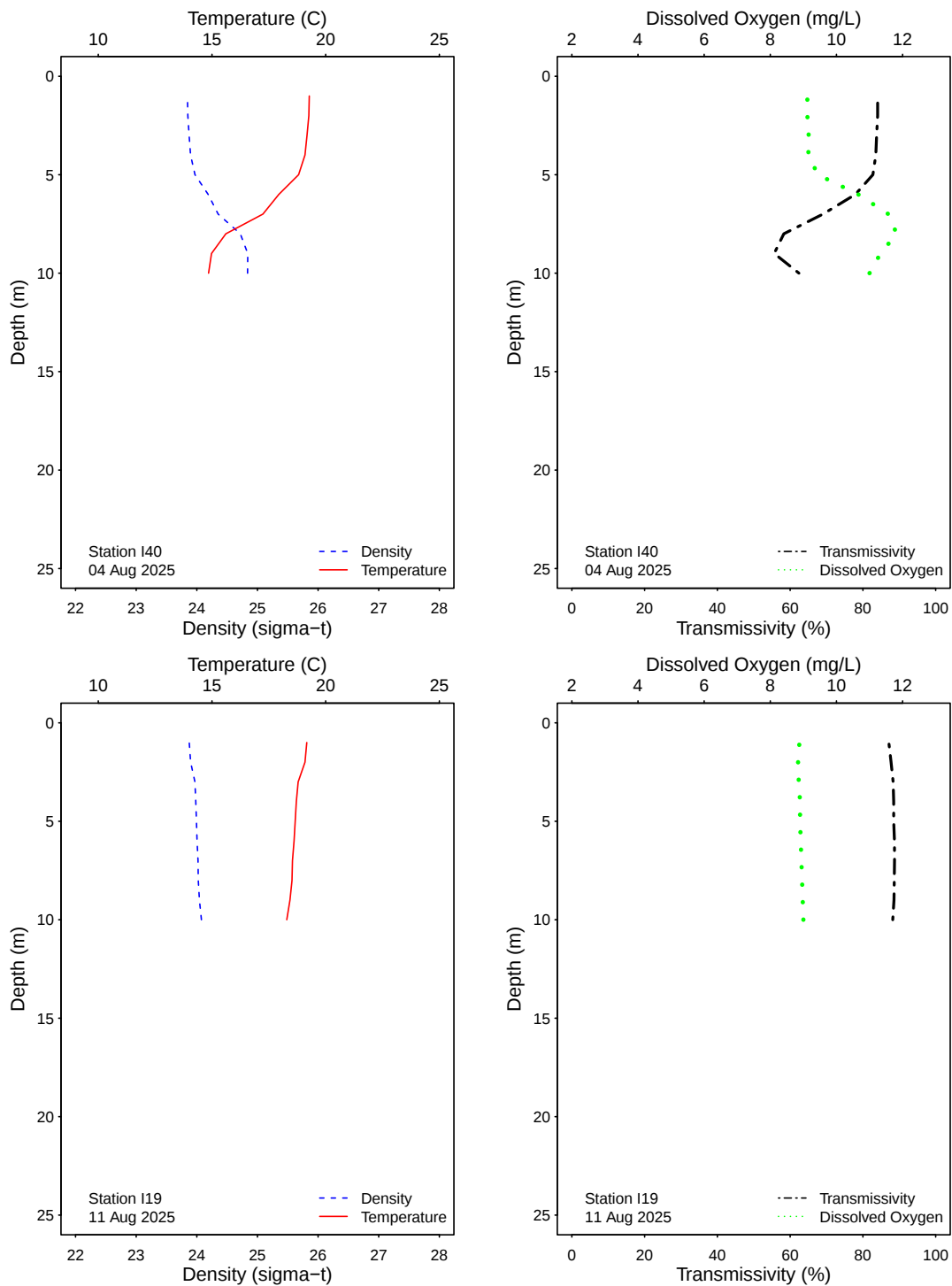


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

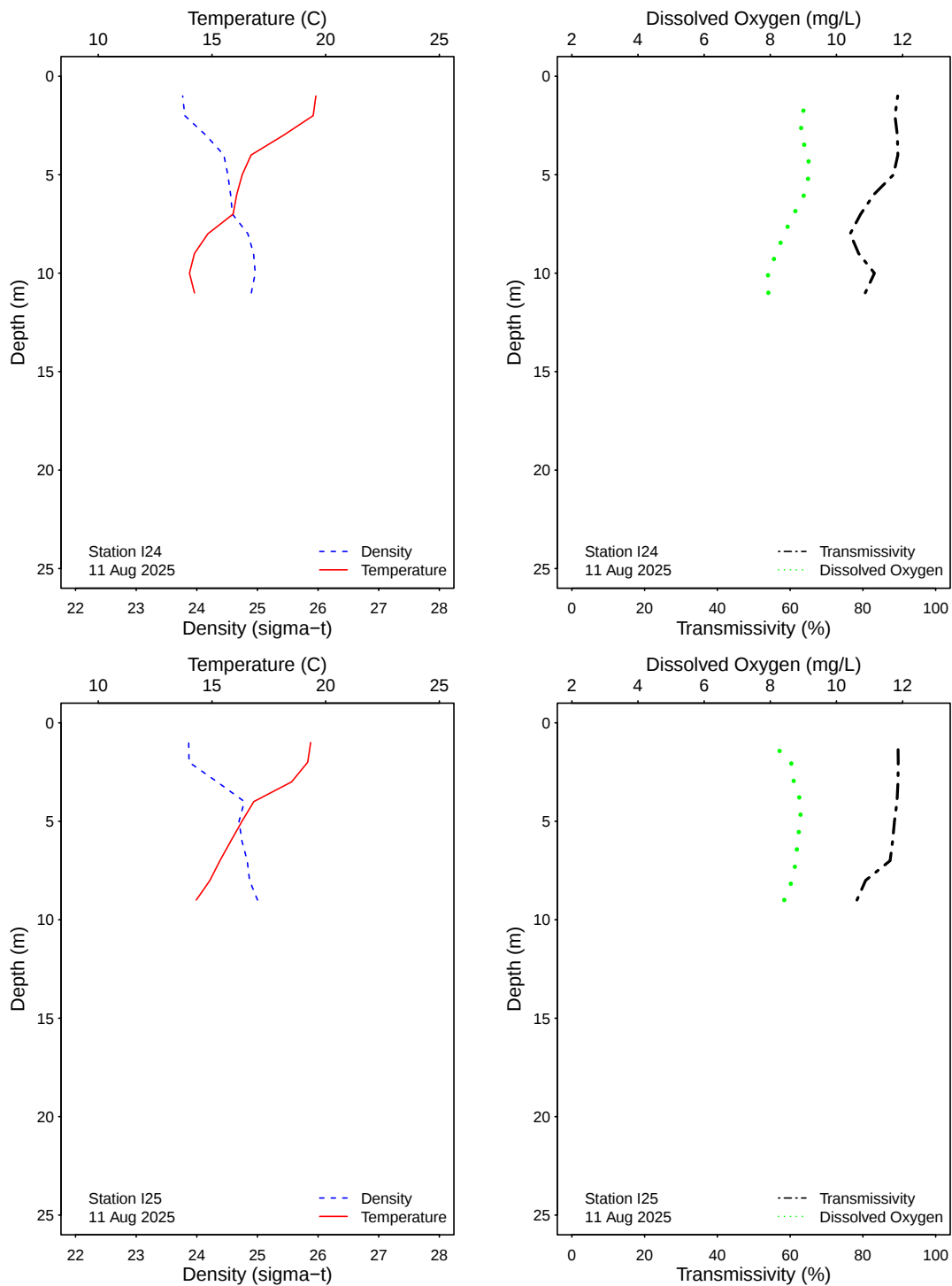


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

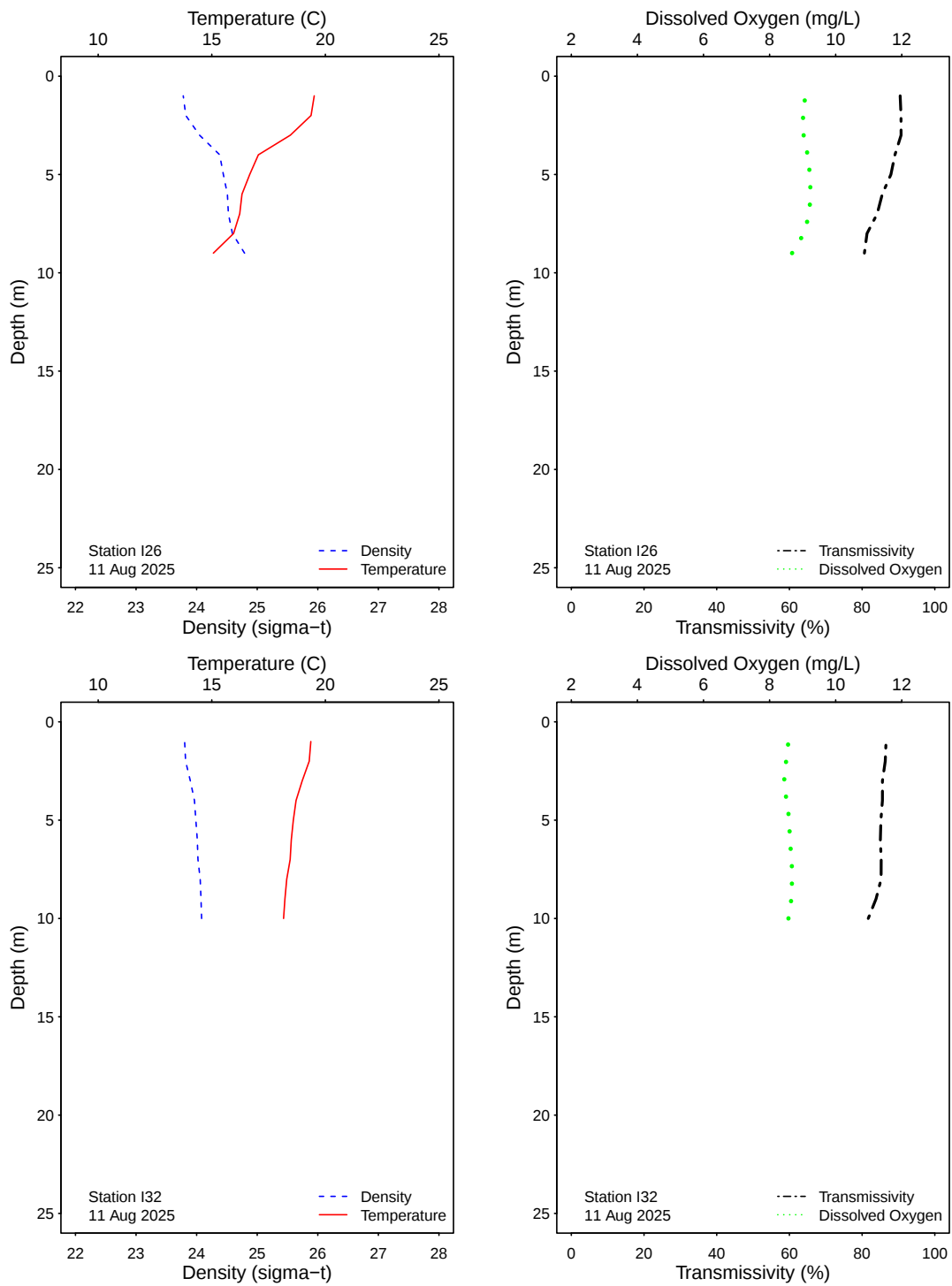


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

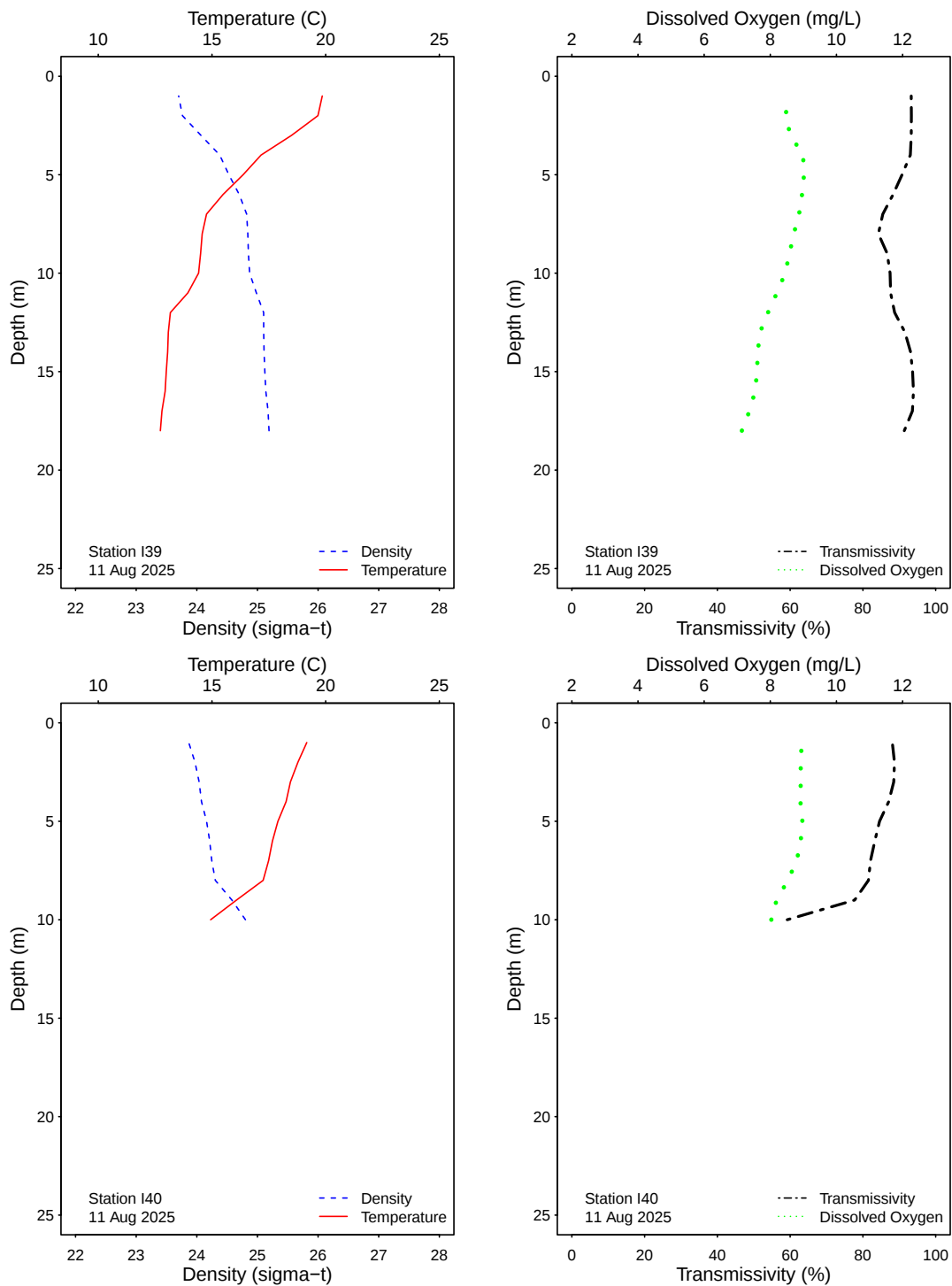


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

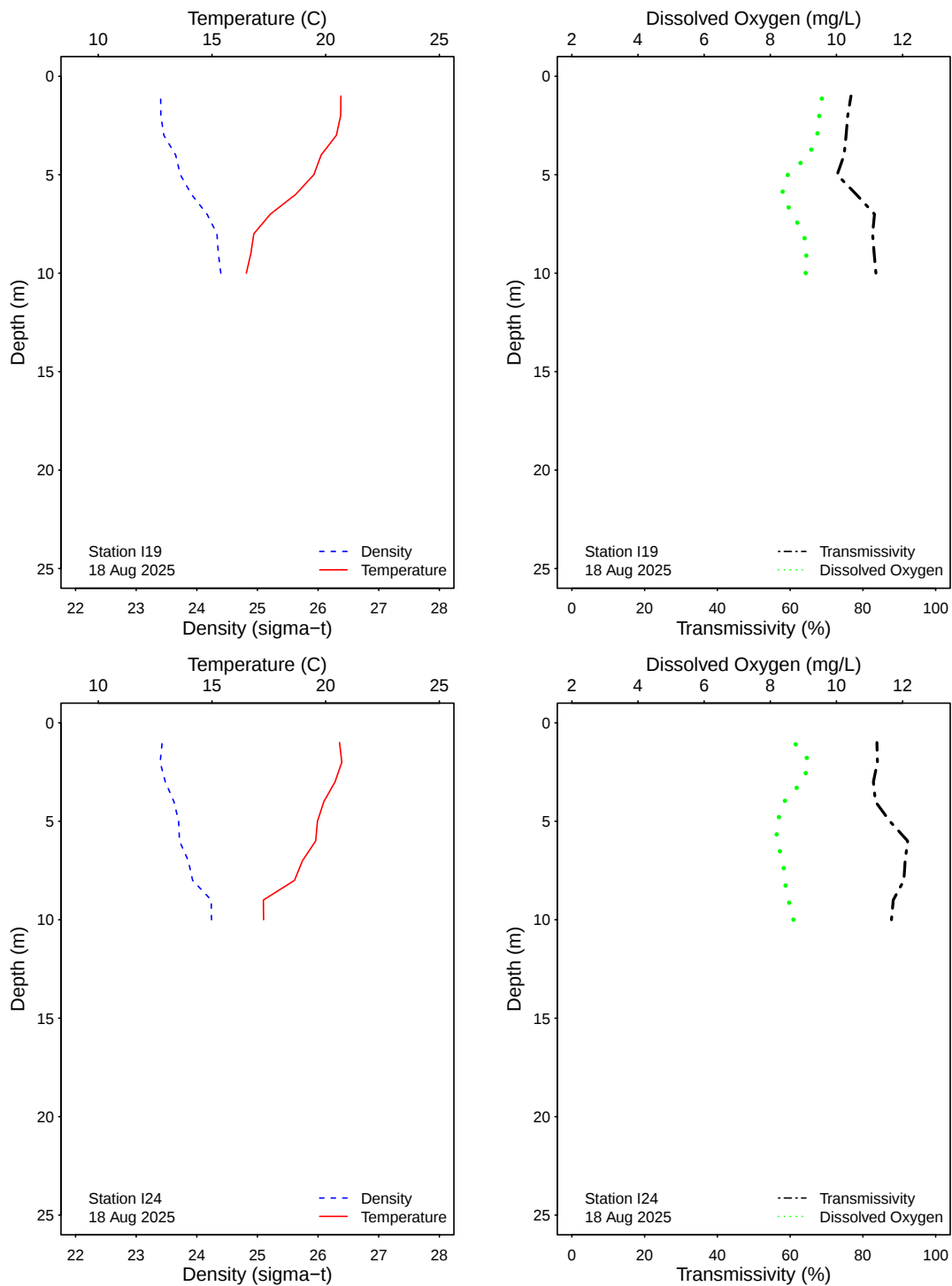


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

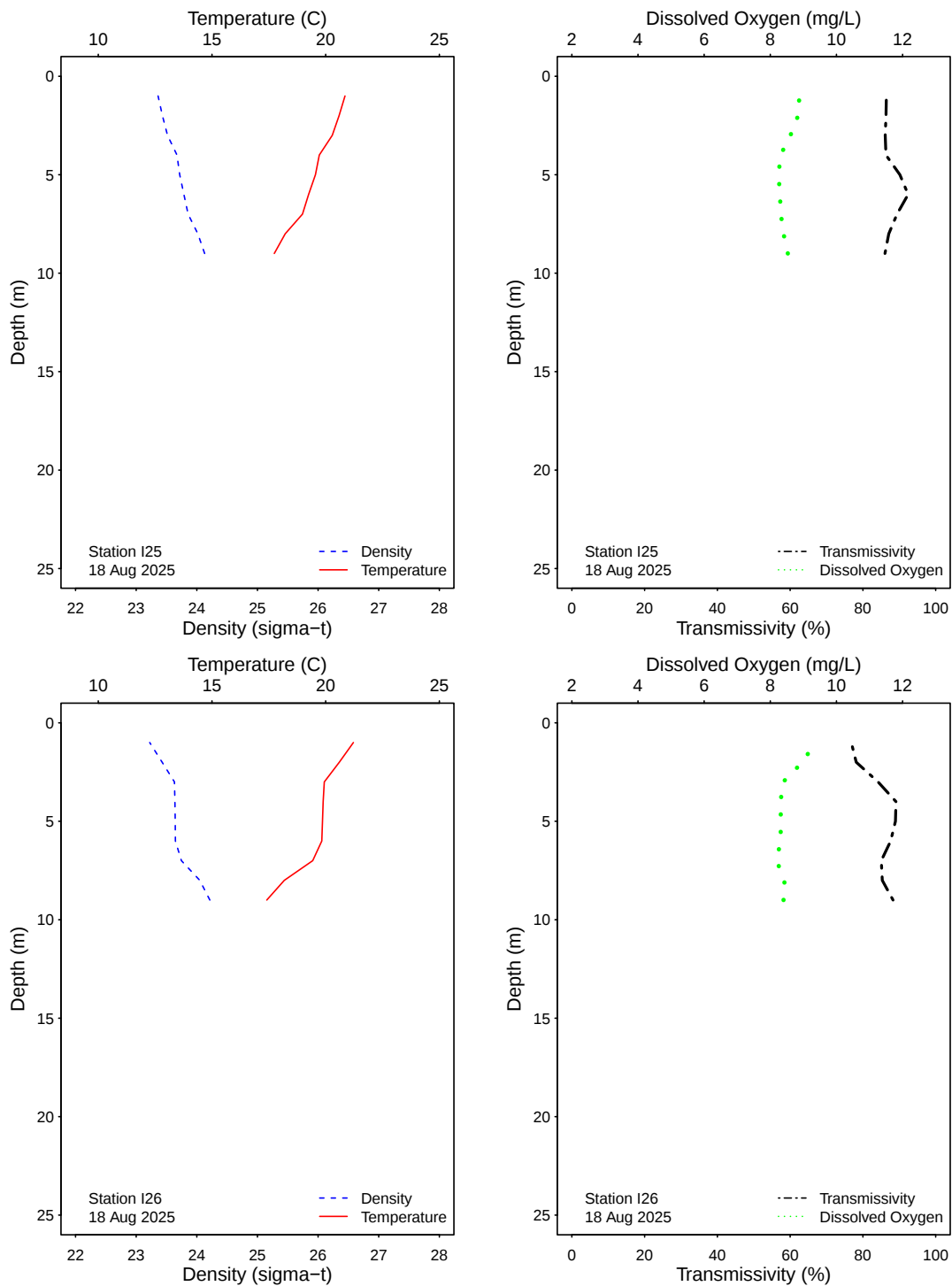


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

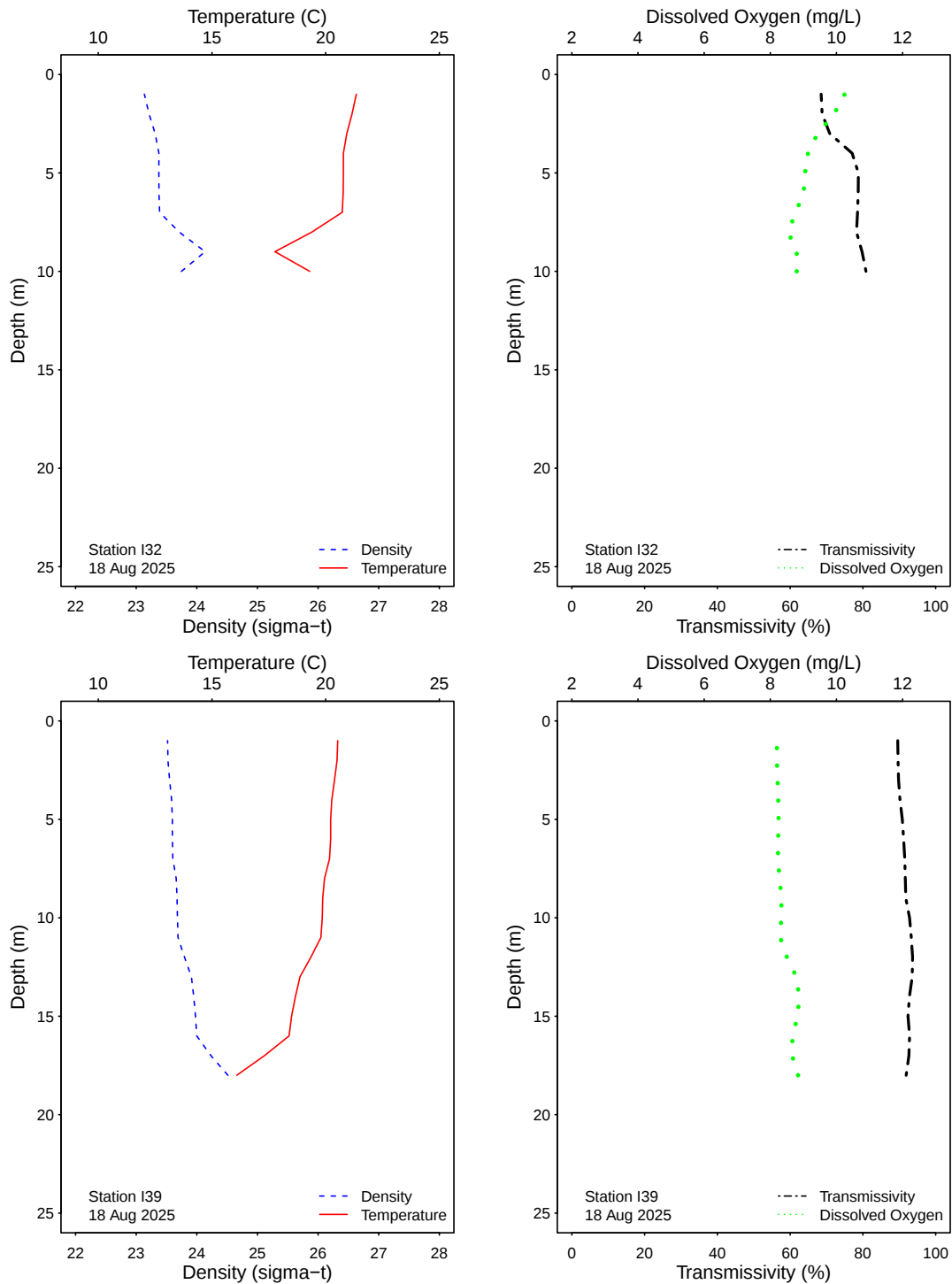


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

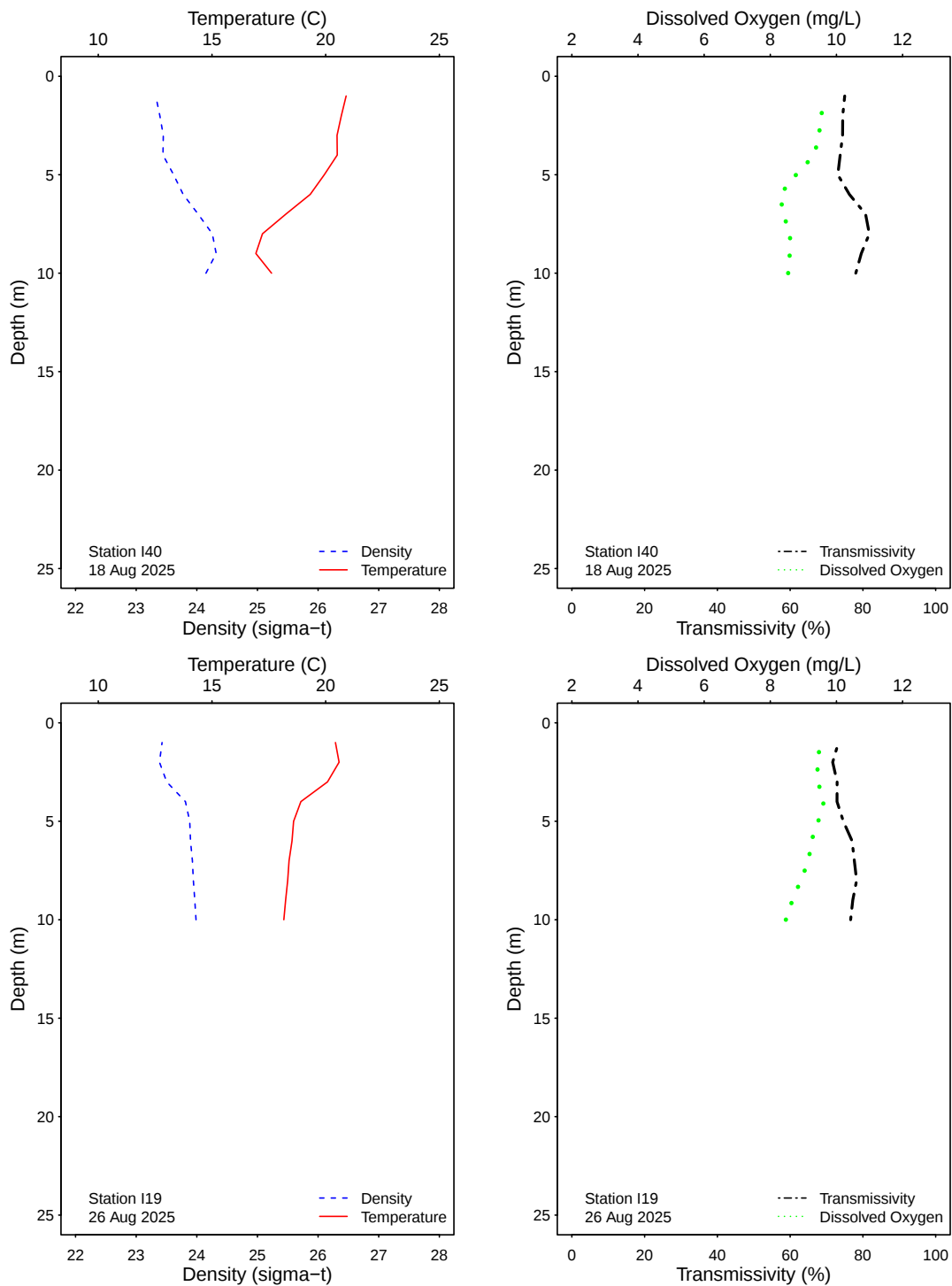


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

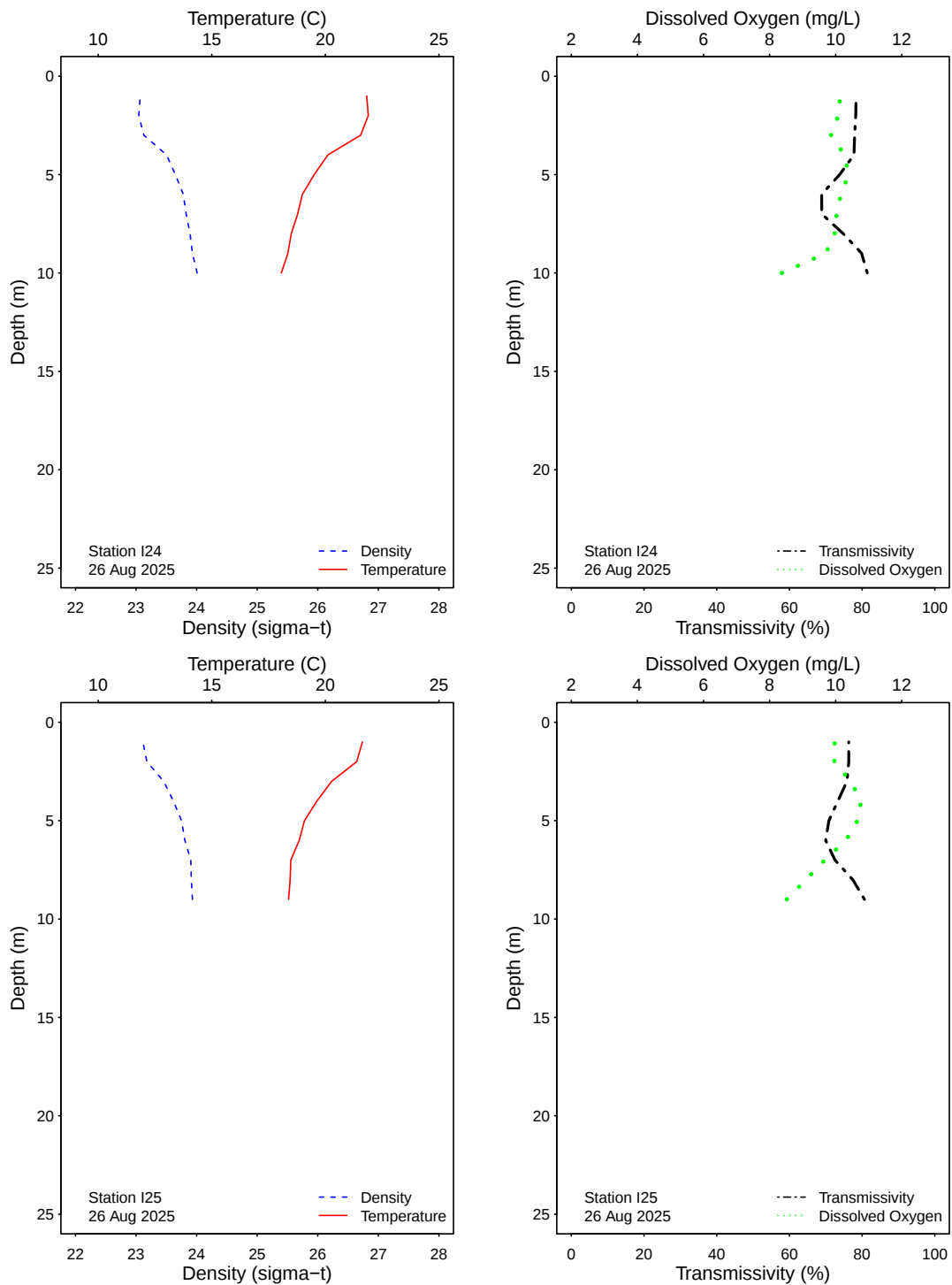


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

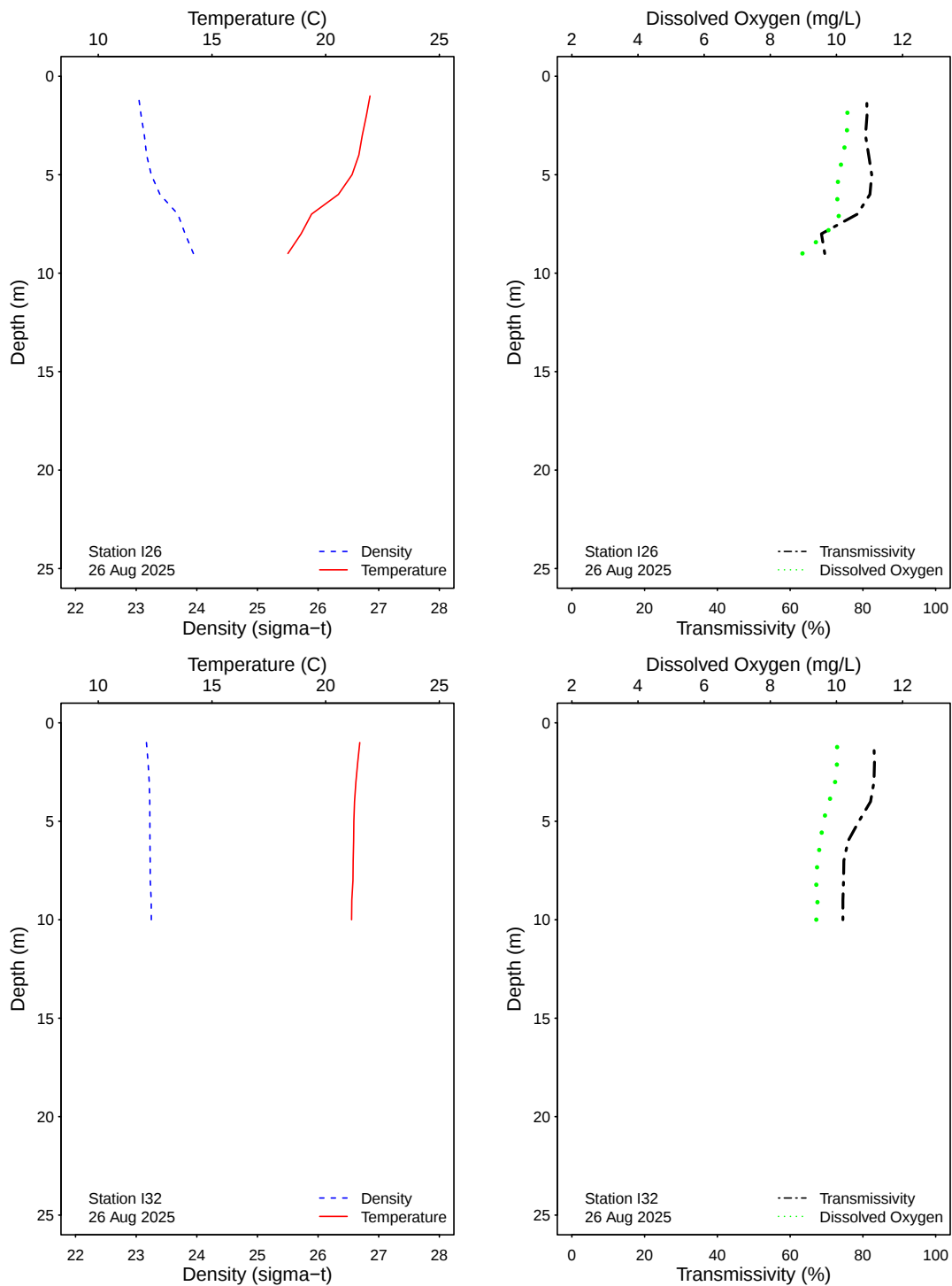


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

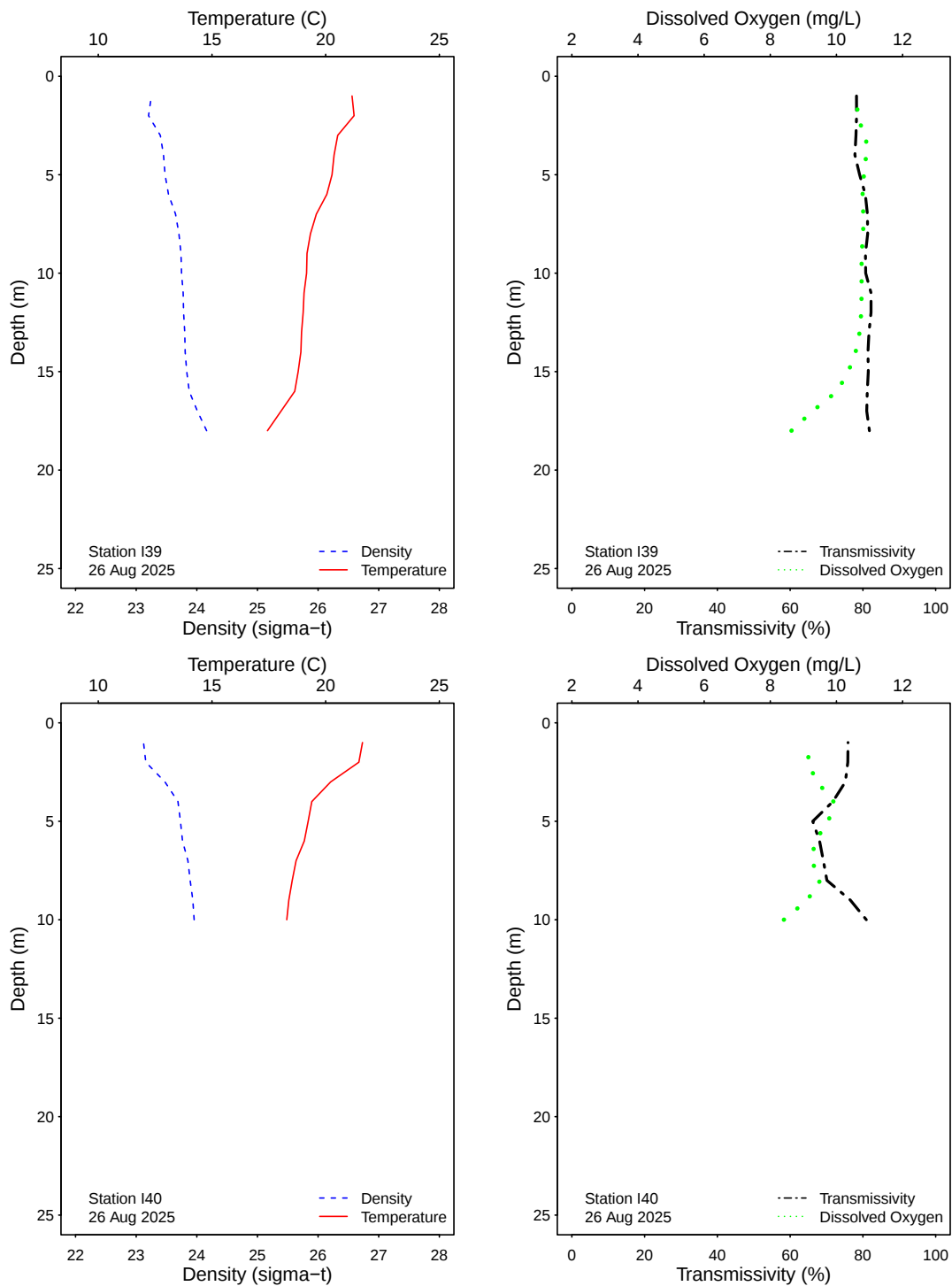


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

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Offshore Stations

Table 4.1

Summary of compliance at the SBOO offshore stations with the Ocean Plan's Single Sample Maximum standard for fecal coliform bacteria, which states that fecal coliform density shall not exceed 400 CFU/100 mL.

Date	I12	I14	I16	I18	I22	I23	I33	I36	I37	I38
06 Aug 2025	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
07 Aug 2025	ns	ns	ns	ns	ns	ns	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 4.2

Summary of compliance at the SBOO offshore stations with the Ocean Plan's Statistical Threshold Value standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 110 CFU/100 mL in more than 10% of samples per month.

Date	I12	I14	I16	I18	I22	I23	I33	I36	I37	I38
August	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 4.3

Summary of compliance at the SBOO offshore stations with the Ocean Plan's Statistical Threshold Value for total coliform bacteria, which states that total coliform density shall not exceed 230 CFU/100 mL in more than 10% of samples per station, per month.

Date	I12			I14			I16			I18			I22			I23			I33			I36			I37			I38		
	2m	18m	27m	2m	18m	27m	2m	18m	27m	2m	12m	18m	2m	18m	27m	2m	12m	18m	2m	18m	27m	2m	6m	11m	2m	6m	11m	2m	6m	11m
August	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC

C = In Compliance
E = Exceedance
ns = not sampled
ND = no data

Table 4.4

Summary of water quality parameters at the SBOO offshore stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal), and *Enterococcus* (Entero) bacteria are reported as CFU/100 mL; values for temperature (Temp, °C), transmissivity (XMS, %), dissolved oxygen (DO, mg/L), salinity (Sal, ppt) and pH were extracted from CTD profile data for depths closest to those at which the bacteriological samples were collected. Comments follow the data summary.

Station	Date	Time	Depth	Total	Fecal	Entero
I10	05 Aug 2025	1148	2	<2	<2	<2
I10	05 Aug 2025	1148	12	<2	<2	<2
I10	05 Aug 2025	1148	18	2e	<2	<2
I11	05 Aug 2025	1135	2	<2	<2	<2
I11	05 Aug 2025	1135	6	<2	<2	<2
I11	05 Aug 2025	1135	11	<2	<2	<2
I12	06 Aug 2025	1041	2	<2	<2	<2
I12	06 Aug 2025	1041	18	160e	32e	12e
I12	06 Aug 2025	1041	27	4e	<2	2e
I13	06 Aug 2025	1106	2	<2	<2	<2
I13	06 Aug 2025	1106	18	<2	<2	<2
I13	06 Aug 2025	1106	37	<2	<2	<2
I14	06 Aug 2025	1123	2	<2	<2	<2
I14	06 Aug 2025	1123	18	<2	<2	<2
I14	06 Aug 2025	1123	27	8e	4e	<2
I16	06 Aug 2025	1031	2	<2	<2	<2
I16	06 Aug 2025	1031	18	<2	<2	<2
I16	06 Aug 2025	1031	27	<2	<2	<2
I18	06 Aug 2025	948	2	<2	<2	<2
I18	06 Aug 2025	948	12	<2	<2	<2
I18	06 Aug 2025	948	18	<2	<2	<2
I20	06 Aug 2025	808	2	<2	<2	<2
I20	06 Aug 2025	808	18	<2	<2	<2
I20	06 Aug 2025	808	55	6e	<2	<2
I21	06 Aug 2025	828	2	<2	<2	<2
I21	06 Aug 2025	828	18	<2	<2	<2
I21	06 Aug 2025	828	37	<2	<2	<2
I22	06 Aug 2025	922	2	<2	<2	<2
I22	06 Aug 2025	922	18	<2	<2	<2
I22	06 Aug 2025	922	27	<2	<2	<2
I23	06 Aug 2025	934	2	<2	<2	<2
I23	06 Aug 2025	934	12	<2	<2	<2
I23	06 Aug 2025	934	18	<2	<2	<2
I3	05 Aug 2025	1025	2	<2	<2	<2
I3	05 Aug 2025	1025	18	6e	<2	<2
I3	05 Aug 2025	1025	27	4e	2e	<2
I30	07 Aug 2025	917	2	2e	<2	<2
I30	07 Aug 2025	917	18	<2	<2	<2
I30	07 Aug 2025	917	27	<2	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I33	07 Aug 2025	823	2	<2	<2	<2
I33	07 Aug 2025	823	18	<2	<2	<2
I33	07 Aug 2025	823	27	<2	<2	<2
I36	07 Aug 2025	947	2	<20	2e	<2
I36	07 Aug 2025	947	6	2e	<2	<2
I36	07 Aug 2025	947	11	<20	<2	<2
I37	07 Aug 2025	756	2	<2	<2	<2
I37	07 Aug 2025	756	6	2e	<2	<2
I37	07 Aug 2025	756	11	<2	<2	<2
I38	07 Aug 2025	1024	2	<20	<2	<2
I38	07 Aug 2025	1024	6	<2	<2	<2
I38	07 Aug 2025	1024	11	<2	<2	<2
I5	05 Aug 2025	1057	2	<2	<2	<2
I5	05 Aug 2025	1057	6	<2	<2	2e
I5	05 Aug 2025	1057	11	8e	<2	4e
I7	05 Aug 2025	832	2	<2	<2	<2
I7	05 Aug 2025	832	18	<2	<2	<2
I7	05 Aug 2025	832	52	2e	<2	<2
I8	05 Aug 2025	1219	2	<2	<2	<2
I8	05 Aug 2025	1219	18	<2	<2	<2
I8	05 Aug 2025	1219	37	<2	<2	<2
I9	05 Aug 2025	1201	2	<2	<2	<2
I9	05 Aug 2025	1201	18	<2	<2	<2
I9	05 Aug 2025	1201	27	14e	2e	8e

ns = not sampled

ND = no data

Table 4.5

Summary of visual observations made during the month for each SBOO offshore station by sample date.

Station	Date	Parameter	Value
I3	05 Aug 2025	Arrive Time	1025
I3	05 Aug 2025	Depart Time	1031
I3	05 Aug 2025	Air Temp (C)	17.8
I3	05 Aug 2025	Visibility (mi)	5
I3	05 Aug 2025	Wind Speed (kts)	8.9
I3	05 Aug 2025	Wind Dir	SE
I3	05 Aug 2025	Sea State	Light Chop
I3	05 Aug 2025	High Tide Time	1918
I3	05 Aug 2025	Low Tide Time	206
I3	05 Aug 2025	Comments	Recast for 18m sample only
I5	05 Aug 2025	Arrive Time	1057
I5	05 Aug 2025	Depart Time	1107
I5	05 Aug 2025	Air Temp (C)	17.6
I5	05 Aug 2025	Visibility (mi)	5
I5	05 Aug 2025	Wind Speed (kts)	9.7
I5	05 Aug 2025	Wind Dir	SE
I5	05 Aug 2025	Sea State	Light Chop
I5	05 Aug 2025	High Tide Time	1918
I5	05 Aug 2025	Low Tide Time	206
I5	05 Aug 2025	Comments	Recast 11m sample due to misfire
I9	05 Aug 2025	Arrive Time	1201
I9	05 Aug 2025	Depart Time	1210
I9	05 Aug 2025	Air Temp (C)	18.4
I9	05 Aug 2025	Visibility (mi)	5
I9	05 Aug 2025	Wind Speed (kts)	14.1
I9	05 Aug 2025	Wind Dir	S
I9	05 Aug 2025	Sea State	Light Chop
I9	05 Aug 2025	High Tide Time	1918
I9	05 Aug 2025	Low Tide Time	206
I9	05 Aug 2025	Comments	
I11	05 Aug 2025	Arrive Time	1135
I11	05 Aug 2025	Depart Time	1139
I11	05 Aug 2025	Air Temp (C)	18
I11	05 Aug 2025	Visibility (mi)	5
I11	05 Aug 2025	Wind Speed (kts)	11.3
I11	05 Aug 2025	Wind Dir	SE
I11	05 Aug 2025	Sea State	Light Chop
I11	05 Aug 2025	High Tide Time	1918
I11	05 Aug 2025	Low Tide Time	206
I11	05 Aug 2025	Comments	
I10	05 Aug 2025	Arrive Time	1148
I10	05 Aug 2025	Depart Time	1153
I10	05 Aug 2025	Air Temp (C)	18.2
I10	05 Aug 2025	Visibility (mi)	5
I10	05 Aug 2025	Wind Speed (kts)	10.3
I10	05 Aug 2025	Wind Dir	SE
I10	05 Aug 2025	Sea State	Light Chop
I10	05 Aug 2025	High Tide Time	1918
I10	05 Aug 2025	Low Tide Time	206
I10	05 Aug 2025	Comments	
I7	05 Aug 2025	Arrive Time	832

Station	Date	Parameter	Value
I7	05 Aug 2025	Depart Time	840
I7	05 Aug 2025	Air Temp (C)	17.8
I7	05 Aug 2025	Visibility (mi)	5
I7	05 Aug 2025	Wind Speed (kts)	9.4
I7	05 Aug 2025	Wind Dir	E
I7	05 Aug 2025	Sea State	Light Chop
I7	05 Aug 2025	High Tide Time	1918
I7	05 Aug 2025	Low Tide Time	206
I7	05 Aug 2025	Comments	
I8	05 Aug 2025	Arrive Time	1219
I8	05 Aug 2025	Depart Time	1224
I8	05 Aug 2025	Air Temp (C)	18.9
I8	05 Aug 2025	Visibility (mi)	5
I8	05 Aug 2025	Wind Speed (kts)	10
I8	05 Aug 2025	Wind Dir	SE
I8	05 Aug 2025	Sea State	Light Chop
I8	05 Aug 2025	High Tide Time	1918
I8	05 Aug 2025	Low Tide Time	206
I8	05 Aug 2025	Comments	
I12	06 Aug 2025	Arrive Time	1041
I12	06 Aug 2025	Depart Time	1047
I12	06 Aug 2025	Air Temp (C)	20.7
I12	06 Aug 2025	Visibility (mi)	8
I12	06 Aug 2025	Wind Speed (kts)	4
I12	06 Aug 2025	Wind Dir	W
I12	06 Aug 2025	Sea State	Wind Ripples
I12	06 Aug 2025	High Tide Time	1954
I12	06 Aug 2025	Low Tide Time	236
I12	06 Aug 2025	Comments	
I18	06 Aug 2025	Arrive Time	948
I18	06 Aug 2025	Depart Time	947
I18	06 Aug 2025	Air Temp (C)	20.2
I18	06 Aug 2025	Visibility (mi)	8
I18	06 Aug 2025	Wind Speed (kts)	10.6
I18	06 Aug 2025	Wind Dir	SW
I18	06 Aug 2025	Sea State	Wind Ripples
I18	06 Aug 2025	High Tide Time	1954
I18	06 Aug 2025	Low Tide Time	236
I18	06 Aug 2025	Comments	
I13	06 Aug 2025	Arrive Time	1106
I13	06 Aug 2025	Depart Time	1112
I13	06 Aug 2025	Air Temp (C)	20.8
I13	06 Aug 2025	Visibility (mi)	8
I13	06 Aug 2025	Wind Speed (kts)	6.2
I13	06 Aug 2025	Wind Dir	W
I13	06 Aug 2025	Sea State	Light Chop
I13	06 Aug 2025	High Tide Time	1954
I13	06 Aug 2025	Low Tide Time	236
I13	06 Aug 2025	Comments	
I16	06 Aug 2025	Arrive Time	1031
I16	06 Aug 2025	Depart Time	1035
I16	06 Aug 2025	Air Temp (C)	20.6
I16	06 Aug 2025	Visibility (mi)	8
I16	06 Aug 2025	Wind Speed (kts)	4.6
I16	06 Aug 2025	Wind Dir	W
I16	06 Aug 2025	Sea State	Wind Ripples

Station	Date	Parameter	Value
I16	06 Aug 2025	High Tide Time	1954
I16	06 Aug 2025	Low Tide Time	236
I16	06 Aug 2025	Comments	
I14	06 Aug 2025	Arrive Time	1123
I14	06 Aug 2025	Depart Time	1127
I14	06 Aug 2025	Air Temp (C)	21
I14	06 Aug 2025	Visibility (mi)	8
I14	06 Aug 2025	Wind Speed (kts)	5.9
I14	06 Aug 2025	Wind Dir	SW
I14	06 Aug 2025	Sea State	Light Chop
I14	06 Aug 2025	High Tide Time	1954
I14	06 Aug 2025	Low Tide Time	236
I14	06 Aug 2025	Comments	
I23	06 Aug 2025	Arrive Time	934
I23	06 Aug 2025	Depart Time	943
I23	06 Aug 2025	Air Temp (C)	20.4
I23	06 Aug 2025	Visibility (mi)	8
I23	06 Aug 2025	Wind Speed (kts)	2.3
I23	06 Aug 2025	Wind Dir	NW
I23	06 Aug 2025	Sea State	Wind Ripples
I23	06 Aug 2025	High Tide Time	1954
I23	06 Aug 2025	Low Tide Time	236
I23	06 Aug 2025	Comments	
I22	06 Aug 2025	Arrive Time	922
I22	06 Aug 2025	Depart Time	929
I22	06 Aug 2025	Air Temp (C)	19.7
I22	06 Aug 2025	Visibility (mi)	8
I22	06 Aug 2025	Wind Speed (kts)	0
I22	06 Aug 2025	Wind Dir	W
I22	06 Aug 2025	Sea State	Calm
I22	06 Aug 2025	High Tide Time	1954
I22	06 Aug 2025	Low Tide Time	236
I22	06 Aug 2025	Comments	
I20	06 Aug 2025	Arrive Time	808
I20	06 Aug 2025	Depart Time	820
I20	06 Aug 2025	Air Temp (C)	20.3
I20	06 Aug 2025	Visibility (mi)	8
I20	06 Aug 2025	Wind Speed (kts)	2
I20	06 Aug 2025	Wind Dir	N
I20	06 Aug 2025	Sea State	Wind Ripples
I20	06 Aug 2025	High Tide Time	1954
I20	06 Aug 2025	Low Tide Time	236
I20	06 Aug 2025	Comments	Bottle 1 misfired surface collected 2nd cast
I21	06 Aug 2025	Arrive Time	828
I21	06 Aug 2025	Depart Time	859
I21	06 Aug 2025	Air Temp (C)	20.1
I21	06 Aug 2025	Visibility (mi)	8
I21	06 Aug 2025	Wind Speed (kts)	0
I21	06 Aug 2025	Wind Dir	NW
I21	06 Aug 2025	Sea State	Calm
I21	06 Aug 2025	High Tide Time	1954
I21	06 Aug 2025	Low Tide Time	236
I21	06 Aug 2025	Comments	Bottle 5 misfired 1m OA sample collected on 2nd cast; Missed 1m bin 1st cast profile repeated 3rd cast OA 1m Btl# 2508065164 Nsk# 1*;OA 41m Btl# 2508065165 Nsk# 4;

Station	Date	Parameter	Value
I30	07 Aug 2025	Arrive Time	912
I30	07 Aug 2025	Depart Time	919
I30	07 Aug 2025	Air Temp (C)	20
I30	07 Aug 2025	Visibility (mi)	6
I30	07 Aug 2025	Wind Speed (kts)	9.9
I30	07 Aug 2025	Wind Dir	N
I30	07 Aug 2025	Sea State	Calm
I30	07 Aug 2025	High Tide Time	2036
I30	07 Aug 2025	Low Tide Time	312
I30	07 Aug 2025	Comments	
I33	07 Aug 2025	Arrive Time	817
I33	07 Aug 2025	Depart Time	824
I33	07 Aug 2025	Air Temp (C)	20
I33	07 Aug 2025	Visibility (mi)	6
I33	07 Aug 2025	Wind Speed (kts)	4.8
I33	07 Aug 2025	Wind Dir	SW
I33	07 Aug 2025	Sea State	Calm
I33	07 Aug 2025	High Tide Time	2036
I33	07 Aug 2025	Low Tide Time	312
I33	07 Aug 2025	Comments	
I36	07 Aug 2025	Arrive Time	944
I36	07 Aug 2025	Depart Time	950
I36	07 Aug 2025	Air Temp (C)	21.1
I36	07 Aug 2025	Visibility (mi)	6
I36	07 Aug 2025	Wind Speed (kts)	4.8
I36	07 Aug 2025	Wind Dir	SW
I36	07 Aug 2025	Sea State	Calm
I36	07 Aug 2025	High Tide Time	2036
I36	07 Aug 2025	Low Tide Time	312
I36	07 Aug 2025	Comments	
I37	07 Aug 2025	Arrive Time	749
I37	07 Aug 2025	Depart Time	759
I37	07 Aug 2025	Air Temp (C)	19.7
I37	07 Aug 2025	Visibility (mi)	6
I37	07 Aug 2025	Wind Speed (kts)	0.8
I37	07 Aug 2025	Wind Dir	NE
I37	07 Aug 2025	Sea State	Calm
I37	07 Aug 2025	High Tide Time	2036
I37	07 Aug 2025	Low Tide Time	312
I37	07 Aug 2025	Comments	
I38	07 Aug 2025	Arrive Time	1020
I38	07 Aug 2025	Depart Time	1026
I38	07 Aug 2025	Air Temp (C)	21.4
I38	07 Aug 2025	Visibility (mi)	6
I38	07 Aug 2025	Wind Speed (kts)	3.3
I38	07 Aug 2025	Wind Dir	W
I38	07 Aug 2025	Sea State	Calm
I38	07 Aug 2025	High Tide Time	2036
I38	07 Aug 2025	Low Tide Time	312
I38	07 Aug 2025	Comments	

Table 4.6

Summary of CTD profile data from the SBOO offshore stations for each sample date.

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I3	05 Aug 2025	1	20.92	92.76	8.4	33.60	8.2	23.5	0.24
I3	05 Aug 2025	2	20.91	93.14	8.4	33.60	8.2	23.5	0.23
I3	05 Aug 2025	3	20.87	93.00	8.5	33.60	8.2	23.5	0.24
I3	05 Aug 2025	4	20.74	93.24	8.6	33.60	8.2	23.5	0.27
I3	05 Aug 2025	5	20.37	93.09	8.8	33.59	8.2	23.6	0.31
I3	05 Aug 2025	6	19.83	92.94	9.0	33.57	8.2	23.7	0.34
I3	05 Aug 2025	7	18.72	92.87	9.8	33.57	8.2	24.0	0.43
I3	05 Aug 2025	8	18.06	92.13	10.8	33.52	8.3	24.1	0.83
I3	05 Aug 2025	9	17.51	90.31	11.2	33.52	8.3	24.3	1.06
I3	05 Aug 2025	10	16.11	89.41	11.3	33.50	8.3	24.6	2.65
I3	05 Aug 2025	11	15.82	86.67	10.7	33.46	8.3	24.6	5.43
I3	05 Aug 2025	12	15.33	84.52	10.1	33.44	8.2	24.7	5.07
I3	05 Aug 2025	13	15.15	86.73	9.6	33.44	8.2	24.7	2.78
I3	05 Aug 2025	14	15.05	90.32	9.5	33.43	8.2	24.7	2.08
I3	05 Aug 2025	15	15.15	91.23	9.4	33.43	8.2	24.7	2.40
I3	05 Aug 2025	16	14.83	91.36	9.2	33.43	8.1	24.8	2.07
I3	05 Aug 2025	17	14.75	91.35	9.1	33.45	8.1	24.8	1.65
I3	05 Aug 2025	18	14.43	91.04	8.9	33.46	8.1	24.9	1.78
I3	05 Aug 2025	19	14.15	90.82	8.7	33.45	8.1	25.0	1.87
I3	05 Aug 2025	20	13.82	90.63	8.4	33.45	8.1	25.0	1.95
I3	05 Aug 2025	21	13.56	90.56	8.3	33.44	8.1	25.1	2.32
I3	05 Aug 2025	22	13.37	90.89	8.1	33.43	8.1	25.1	2.20
I3	05 Aug 2025	23	13.06	91.85	7.7	33.43	8.0	25.2	2.13
I3	05 Aug 2025	24	12.72	92.46	7.3	33.43	8.0	25.2	2.36
I3	05 Aug 2025	25	12.15	92.32	6.8	33.46	8.0	25.4	3.41
I3	05 Aug 2025	26	12.08	90.72	6.4	33.45	7.9	25.4	2.74
I3	05 Aug 2025	27	12.15	90.23	6.3	33.45	7.9	25.4	2.41
I4	05 Aug 2025	1	20.39	90.95	8.9	33.57	8.2	23.6	0.33
I4	05 Aug 2025	2	20.36	91.70	8.9	33.57	8.2	23.6	0.34
I4	05 Aug 2025	3	20.26	91.64	9.0	33.57	8.2	23.6	0.40
I4	05 Aug 2025	4	20.01	91.73	9.2	33.57	8.2	23.7	0.44
I4	05 Aug 2025	5	19.48	91.57	9.5	33.56	8.2	23.8	0.42
I4	05 Aug 2025	6	18.86	91.18	9.7	33.54	8.2	23.9	0.49
I4	05 Aug 2025	7	18.59	91.03	9.7	33.51	8.2	24.0	0.72
I4	05 Aug 2025	8	18.14	90.98	9.6	33.52	8.2	24.1	0.64
I4	05 Aug 2025	9	16.37	90.90	10.0	33.49	8.2	24.5	1.25
I4	05 Aug 2025	10	14.95	89.34	9.8	33.53	8.2	24.8	3.08
I4	05 Aug 2025	11	14.07	86.41	9.2	33.50	8.1	25.0	5.48
I4	05 Aug 2025	12	13.83	81.37	8.8	33.49	8.1	25.1	7.26
I4	05 Aug 2025	13	13.65	77.49	8.5	33.49	8.1	25.1	7.20
I4	05 Aug 2025	14	13.27	79.34	7.8	33.49	8.0	25.2	6.04
I4	05 Aug 2025	15	12.72	81.80	7.1	33.49	8.0	25.3	5.85
I4	05 Aug 2025	16	12.53	80.19	6.6	33.48	7.9	25.3	6.64
I4	05 Aug 2025	17	12.47	80.74	6.4	33.47	7.9	25.3	3.36
I4	05 Aug 2025	18	12.41	85.22	6.3	33.47	7.9	25.3	2.03
I5	05 Aug 2025	1	20.24	85.57	8.9	33.56	8.2	23.6	0.44
I5	05 Aug 2025	2	20.23	89.20	9.0	33.56	8.2	23.6	0.46
I5	05 Aug 2025	3	20.21	89.39	8.9	33.56	8.2	23.6	0.48
I5	05 Aug 2025	4	20.02	89.26	9.0	33.57	8.2	23.7	0.55
I5	05 Aug 2025	5	19.48	89.38	9.1	33.56	8.2	23.8	0.65
I5	05 Aug 2025	6	19.23	88.77	9.1	33.56	8.2	23.9	0.75
I5	05 Aug 2025	7	18.32	88.19	9.7	33.56	8.2	24.1	0.76
I5	05 Aug 2025	8	17.34	88.15	10.3	33.53	8.2	24.3	1.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I5	05 Aug 2025	9	16.25	83.28	10.8	33.55	8.3	24.6	6.19
I5	05 Aug 2025	10	14.68	75.43	10.0	33.55	8.2	24.9	9.19
I5	05 Aug 2025	11	13.69	71.12	8.6	33.52	8.1	25.1	6.54
I5	05 Aug 2025	12	12.87	74.61	7.4	33.51	8.0	25.3	4.11
I5	05 Aug 2025	13	12.73	77.00	6.7	33.48	7.9	25.3	2.67
I5	05 Aug 2025	14	12.66	76.37	6.3	33.48	7.9	25.3	2.85
I1	05 Aug 2025	1	21.58	95.44	7.8	33.62	8.2	23.3	0.23
I1	05 Aug 2025	2	21.59	95.35	7.8	33.62	8.2	23.3	0.22
I1	05 Aug 2025	3	21.59	95.52	7.8	33.62	8.2	23.3	0.22
I1	05 Aug 2025	4	21.59	95.35	7.7	33.62	8.2	23.3	0.22
I1	05 Aug 2025	5	21.53	95.37	7.7	33.62	8.2	23.3	0.22
I1	05 Aug 2025	6	21.05	95.44	7.9	33.60	8.2	23.4	0.23
I1	05 Aug 2025	7	20.35	95.52	8.2	33.56	8.2	23.6	0.22
I1	05 Aug 2025	8	20.18	95.68	8.3	33.54	8.2	23.6	0.22
I1	05 Aug 2025	9	20.00	96.04	8.4	33.53	8.2	23.6	0.24
I1	05 Aug 2025	10	19.75	96.03	8.4	33.52	8.2	23.7	0.22
I1	05 Aug 2025	11	19.21	95.82	8.6	33.52	8.2	23.8	0.28
I1	05 Aug 2025	12	18.64	95.54	8.9	33.50	8.2	24.0	0.40
I1	05 Aug 2025	13	18.51	95.30	8.9	33.49	8.2	24.0	0.39
I1	05 Aug 2025	14	18.36	94.78	9.1	33.48	8.2	24.0	0.37
I1	05 Aug 2025	15	18.15	94.81	9.2	33.48	8.2	24.1	0.36
I1	05 Aug 2025	16	17.93	94.46	9.4	33.48	8.2	24.1	0.39
I1	05 Aug 2025	17	17.24	94.62	9.5	33.47	8.2	24.3	0.50
I1	05 Aug 2025	18	16.40	94.03	9.2	33.43	8.2	24.4	0.57
I1	05 Aug 2025	19	15.91	94.00	9.0	33.40	8.2	24.5	0.73
I1	05 Aug 2025	20	15.39	94.19	8.8	33.37	8.1	24.6	1.00
I1	05 Aug 2025	21	14.96	93.64	8.8	33.35	8.1	24.7	1.38
I1	05 Aug 2025	22	14.91	93.02	8.8	33.34	8.1	24.7	2.92
I1	05 Aug 2025	23	14.72	92.28	8.7	33.35	8.1	24.8	2.50
I1	05 Aug 2025	24	14.59	93.09	8.6	33.34	8.1	24.8	2.18
I1	05 Aug 2025	25	14.53	93.39	8.6	33.34	8.1	24.8	1.89
I1	05 Aug 2025	26	14.40	93.43	8.5	33.35	8.1	24.8	2.08
I1	05 Aug 2025	27	14.04	93.75	8.4	33.34	8.1	24.9	1.97
I1	05 Aug 2025	28	13.90	93.80	8.3	33.34	8.1	24.9	2.02
I1	05 Aug 2025	29	13.73	93.99	8.2	33.34	8.1	25.0	2.12
I1	05 Aug 2025	30	13.58	93.61	8.1	33.34	8.1	25.0	2.37
I1	05 Aug 2025	31	13.34	93.56	7.9	33.35	8.1	25.0	2.44
I1	05 Aug 2025	32	13.18	93.92	7.7	33.36	8.0	25.1	2.10
I1	05 Aug 2025	33	13.06	94.25	7.6	33.38	8.0	25.1	2.01
I1	05 Aug 2025	34	12.98	94.45	7.4	33.39	8.0	25.1	1.97
I1	05 Aug 2025	35	12.93	94.74	7.4	33.39	8.0	25.2	1.92
I1	05 Aug 2025	36	12.97	94.85	7.3	33.39	8.0	25.2	2.01
I1	05 Aug 2025	37	12.90	94.84	7.3	33.40	8.0	25.2	2.02
I1	05 Aug 2025	38	12.87	94.61	7.2	33.40	8.0	25.2	1.82
I1	05 Aug 2025	39	12.85	94.89	7.2	33.41	8.0	25.2	1.79
I1	05 Aug 2025	40	12.79	94.95	7.1	33.41	8.0	25.2	1.69
I1	05 Aug 2025	41	12.73	94.97	7.0	33.42	8.0	25.2	1.69
I1	05 Aug 2025	42	12.53	95.15	6.8	33.44	8.0	25.3	1.57
I1	05 Aug 2025	43	12.08	95.21	6.5	33.49	7.9	25.4	1.36
I1	05 Aug 2025	44	11.95	95.53	6.3	33.49	7.9	25.4	1.04
I1	05 Aug 2025	45	11.88	95.75	6.1	33.50	7.9	25.4	0.91
I1	05 Aug 2025	46	11.83	95.88	6.0	33.50	7.9	25.5	0.87
I1	05 Aug 2025	47	11.81	95.84	6.0	33.50	7.9	25.5	0.81
I1	05 Aug 2025	48	11.80	95.86	6.0	33.50	7.9	25.5	0.92
I1	05 Aug 2025	49	11.78	95.91	5.9	33.51	7.9	25.5	0.83
I1	05 Aug 2025	50	11.76	96.00	5.9	33.51	7.9	25.5	0.76
I1	05 Aug 2025	51	11.76	95.98	5.9	33.51	7.9	25.5	0.78
I1	05 Aug 2025	52	11.75	96.06	5.9	33.51	7.9	25.5	0.81
I1	05 Aug 2025	53	11.74	96.05	5.8	33.51	7.9	25.5	0.80
I1	05 Aug 2025	54	11.72	96.00	5.8	33.51	7.9	25.5	1.11

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I1	05 Aug 2025	55	11.72	95.92	5.8	33.52	7.8	25.5	1.29
I1	05 Aug 2025	56	11.70	95.97	5.8	33.52	7.8	25.5	0.77
I1	05 Aug 2025	57	11.65	95.98	5.7	33.53	7.8	25.5	0.78
I1	05 Aug 2025	58	11.58	96.16	5.6	33.54	7.8	25.5	0.69
I1	05 Aug 2025	59	11.54	96.26	5.6	33.54	7.8	25.5	0.68
I1	05 Aug 2025	60	11.52	96.03	5.5	33.54	7.8	25.5	0.70
I2	05 Aug 2025	1	21.14	93.91	8.1	33.61	8.2	23.4	0.28
I2	05 Aug 2025	2	21.14	93.87	8.1	33.61	8.2	23.4	0.27
I2	05 Aug 2025	3	21.14	94.10	8.1	33.61	8.2	23.4	0.29
I2	05 Aug 2025	4	21.14	93.99	8.1	33.61	8.2	23.4	0.29
I2	05 Aug 2025	5	21.12	94.00	8.1	33.61	8.2	23.4	0.29
I2	05 Aug 2025	6	21.09	94.24	8.1	33.61	8.2	23.4	0.32
I2	05 Aug 2025	7	21.03	94.21	8.1	33.61	8.2	23.4	0.35
I2	05 Aug 2025	8	20.29	94.23	8.2	33.61	8.2	23.6	0.35
I2	05 Aug 2025	9	19.01	94.44	8.6	33.55	8.2	23.9	0.39
I2	05 Aug 2025	10	16.98	94.53	9.4	33.51	8.2	24.4	0.51
I2	05 Aug 2025	11	16.20	93.26	9.7	33.45	8.2	24.5	1.12
I2	05 Aug 2025	12	15.86	91.46	9.7	33.43	8.2	24.6	1.52
I2	05 Aug 2025	13	15.70	90.62	9.5	33.42	8.2	24.6	1.81
I2	05 Aug 2025	14	15.40	90.36	9.3	33.42	8.2	24.7	1.83
I2	05 Aug 2025	15	15.15	90.49	9.1	33.42	8.2	24.7	2.11
I2	05 Aug 2025	16	14.84	90.34	9.0	33.42	8.1	24.8	2.16
I2	05 Aug 2025	17	14.54	90.58	8.9	33.43	8.1	24.9	2.26
I2	05 Aug 2025	18	14.32	90.86	8.8	33.42	8.1	24.9	2.44
I2	05 Aug 2025	19	14.10	91.43	8.6	33.42	8.1	24.9	2.35
I2	05 Aug 2025	20	13.73	91.68	8.4	33.40	8.1	25.0	2.60
I2	05 Aug 2025	21	13.64	91.14	8.1	33.41	8.1	25.0	3.12
I2	05 Aug 2025	22	13.58	91.12	7.9	33.43	8.0	25.1	3.02
I2	05 Aug 2025	23	13.46	91.27	7.8	33.44	8.0	25.1	2.45
I2	05 Aug 2025	24	13.29	91.68	7.6	33.44	8.0	25.1	2.45
I2	05 Aug 2025	25	12.87	91.67	7.3	33.44	8.0	25.2	3.39
I2	05 Aug 2025	26	12.70	90.31	7.1	33.43	8.0	25.2	3.88
I2	05 Aug 2025	27	12.66	92.81	7.0	33.43	8.0	25.2	3.19
I2	05 Aug 2025	28	12.54	94.07	6.9	33.43	8.0	25.3	2.13
I2	05 Aug 2025	29	12.36	94.40	6.7	33.44	8.0	25.3	1.64
I2	05 Aug 2025	30	12.24	94.05	6.6	33.44	7.9	25.3	2.01
I2	05 Aug 2025	31	12.26	90.66	6.4	33.44	7.9	25.3	2.55
I2	05 Aug 2025	32	12.23	89.38	6.4	33.44	7.9	25.3	2.45
I6	05 Aug 2025	1	20.87	92.85	8.3	33.60	8.2	23.5	0.22
I6	05 Aug 2025	2	20.85	93.15	8.3	33.60	8.2	23.5	0.21
I6	05 Aug 2025	3	20.79	93.48	8.4	33.60	8.2	23.5	0.24
I6	05 Aug 2025	4	20.66	93.32	8.3	33.59	8.2	23.5	0.26
I6	05 Aug 2025	5	20.16	93.30	8.5	33.59	8.2	23.6	0.27
I6	05 Aug 2025	6	18.82	93.18	9.3	33.55	8.2	24.0	0.29
I6	05 Aug 2025	7	18.60	92.44	9.7	33.52	8.2	24.0	0.36
I6	05 Aug 2025	8	18.08	92.09	10.2	33.52	8.2	24.1	0.44
I6	05 Aug 2025	9	17.67	91.03	11.0	33.51	8.3	24.2	0.68
I6	05 Aug 2025	10	17.03	89.58	11.4	33.51	8.3	24.4	1.32
I6	05 Aug 2025	11	15.95	83.84	11.1	33.46	8.3	24.6	6.83
I6	05 Aug 2025	12	15.59	81.99	10.4	33.44	8.2	24.6	4.90
I6	05 Aug 2025	13	15.46	89.18	9.8	33.43	8.2	24.7	2.31
I6	05 Aug 2025	14	15.25	91.41	9.6	33.44	8.2	24.7	2.07
I6	05 Aug 2025	15	15.02	91.62	9.4	33.43	8.2	24.8	1.62
I6	05 Aug 2025	16	14.93	91.80	9.2	33.44	8.2	24.8	1.49
I6	05 Aug 2025	17	14.50	91.81	9.0	33.47	8.1	24.9	1.77
I6	05 Aug 2025	18	14.16	90.96	8.7	33.46	8.1	25.0	1.96
I6	05 Aug 2025	19	13.84	90.10	8.4	33.46	8.1	25.0	2.41
I6	05 Aug 2025	20	13.48	90.09	8.2	33.45	8.1	25.1	2.55
I6	05 Aug 2025	21	13.38	90.91	8.1	33.45	8.1	25.1	2.61

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I6	05 Aug 2025	22	13.15	90.10	7.7	33.46	8.0	25.2	2.85
I6	05 Aug 2025	23	12.92	89.01	7.2	33.46	8.0	25.2	2.96
I6	05 Aug 2025	24	12.08	88.39	6.3	33.50	7.9	25.4	3.52
I6	05 Aug 2025	25	12.09	87.74	5.9	33.49	7.9	25.4	2.67
I6	05 Aug 2025	26	12.11	87.93	5.8	33.48	7.9	25.4	2.57
I9	05 Aug 2025	1	21.35	94.20	7.9	33.62	8.2	23.3	0.11
I9	05 Aug 2025	2	21.35	94.30	7.9	33.62	8.2	23.3	0.15
I9	05 Aug 2025	3	21.22	94.08	8.0	33.62	8.2	23.4	0.16
I9	05 Aug 2025	4	21.18	94.34	8.0	33.61	8.2	23.4	0.16
I9	05 Aug 2025	5	21.04	94.44	8.1	33.60	8.2	23.4	0.15
I9	05 Aug 2025	6	20.69	94.49	8.2	33.59	8.2	23.5	0.17
I9	05 Aug 2025	7	20.26	94.52	8.3	33.57	8.2	23.6	0.18
I9	05 Aug 2025	8	19.00	94.66	8.6	33.55	8.2	23.9	0.20
I9	05 Aug 2025	9	17.67	94.04	9.5	33.49	8.2	24.2	0.30
I9	05 Aug 2025	10	17.34	92.12	10.2	33.47	8.2	24.3	0.41
I9	05 Aug 2025	11	17.11	90.52	10.6	33.47	8.3	24.3	0.74
I9	05 Aug 2025	12	16.60	89.95	10.8	33.47	8.3	24.4	0.85
I9	05 Aug 2025	13	16.00	88.77	10.6	33.47	8.2	24.6	1.23
I9	05 Aug 2025	14	15.47	88.06	10.2	33.44	8.2	24.7	1.55
I9	05 Aug 2025	15	15.16	88.46	10.0	33.44	8.2	24.7	1.61
I9	05 Aug 2025	16	15.08	88.09	9.9	33.44	8.2	24.8	1.99
I9	05 Aug 2025	17	15.00	87.60	9.7	33.44	8.2	24.8	2.26
I9	05 Aug 2025	18	14.87	88.01	9.4	33.43	8.2	24.8	2.43
I9	05 Aug 2025	19	14.65	89.12	9.1	33.43	8.1	24.8	2.41
I9	05 Aug 2025	20	14.50	90.50	9.0	33.44	8.1	24.9	1.92
I9	05 Aug 2025	21	14.43	91.39	8.9	33.45	8.1	24.9	1.87
I9	05 Aug 2025	22	14.32	91.82	8.7	33.45	8.1	24.9	2.04
I9	05 Aug 2025	23	14.13	91.66	8.5	33.45	8.1	25.0	2.19
I9	05 Aug 2025	24	13.51	91.28	8.2	33.46	8.1	25.1	2.44
I9	05 Aug 2025	25	13.14	90.56	7.8	33.45	8.0	25.2	2.97
I9	05 Aug 2025	26	12.80	90.31	7.5	33.45	8.0	25.2	2.76
I9	05 Aug 2025	27	12.60	91.60	7.0	33.45	8.0	25.3	2.49
I9	05 Aug 2025	28	12.08	91.53	6.4	33.49	7.9	25.4	4.55
I9	05 Aug 2025	29	11.91	88.21	5.7	33.51	7.8	25.4	3.42
I11	05 Aug 2025	1	20.48	91.32	8.8	33.58	8.2	23.6	0.26
I11	05 Aug 2025	2	20.46	91.58	8.8	33.58	8.2	23.6	0.27
I11	05 Aug 2025	3	20.44	91.78	8.8	33.58	8.2	23.6	0.30
I11	05 Aug 2025	4	20.40	91.54	8.8	33.58	8.2	23.6	0.31
I11	05 Aug 2025	5	20.24	91.54	8.9	33.57	8.2	23.6	0.35
I11	05 Aug 2025	6	19.95	91.31	9.1	33.56	8.2	23.7	0.41
I11	05 Aug 2025	7	19.83	90.55	9.0	33.56	8.2	23.7	0.57
I11	05 Aug 2025	8	19.19	89.65	9.1	33.56	8.2	23.9	0.69
I11	05 Aug 2025	9	17.38	88.26	9.9	33.59	8.2	24.3	0.85
I11	05 Aug 2025	10	15.49	86.46	10.6	33.54	8.2	24.7	2.15
I11	05 Aug 2025	11	14.63	78.89	10.7	33.51	8.2	24.9	7.40
I11	05 Aug 2025	12	14.34	69.35	10.2	33.50	8.2	25.0	12.88
I11	05 Aug 2025	13	13.79	60.34	9.3	33.50	8.1	25.1	18.96
I10	05 Aug 2025	1	20.86	93.06	8.3	33.59	8.2	23.5	0.20
I10	05 Aug 2025	2	20.84	92.91	8.4	33.59	8.2	23.5	0.20
I10	05 Aug 2025	3	20.80	93.39	8.4	33.59	8.2	23.5	0.21
I10	05 Aug 2025	4	20.59	93.25	8.5	33.59	8.2	23.5	0.24
I10	05 Aug 2025	5	20.13	93.12	8.8	33.58	8.2	23.6	0.26
I10	05 Aug 2025	6	19.49	92.87	9.3	33.56	8.2	23.8	0.28
I10	05 Aug 2025	7	18.48	91.93	10.5	33.54	8.2	24.0	0.38
I10	05 Aug 2025	8	18.51	90.94	10.6	33.51	8.3	24.0	0.43
I10	05 Aug 2025	9	18.00	89.90	10.8	33.52	8.3	24.1	0.71
I10	05 Aug 2025	10	17.46	88.39	10.8	33.51	8.3	24.3	1.53
I10	05 Aug 2025	11	16.17	84.65	10.9	33.49	8.3	24.5	4.85

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I10	05 Aug 2025	12	15.60	84.73	10.6	33.46	8.2	24.7	3.52
I10	05 Aug 2025	13	15.61	87.88	10.2	33.45	8.2	24.6	2.88
I10	05 Aug 2025	14	15.09	88.32	9.8	33.46	8.2	24.8	2.98
I10	05 Aug 2025	15	14.80	87.32	9.5	33.46	8.2	24.8	3.52
I10	05 Aug 2025	16	14.37	86.35	9.1	33.47	8.1	24.9	3.97
I10	05 Aug 2025	17	14.32	86.34	8.7	33.46	8.1	24.9	4.13
I10	05 Aug 2025	18	13.15	84.24	7.9	33.49	8.0	25.2	5.95
I10	05 Aug 2025	19	13.04	84.64	7.2	33.47	8.0	25.2	4.50
I7	05 Aug 2025	1	21.53	93.70	7.8	33.63	8.2	23.3	0.24
I7	05 Aug 2025	2	21.53	94.13	7.8	33.63	8.2	23.3	0.24
I7	05 Aug 2025	3	21.53	93.69	7.7	33.63	8.2	23.3	0.25
I7	05 Aug 2025	4	21.53	94.63	7.7	33.63	8.2	23.3	0.24
I7	05 Aug 2025	5	21.53	95.03	7.7	33.63	8.2	23.3	0.25
I7	05 Aug 2025	6	21.49	95.30	7.7	33.63	8.2	23.3	0.26
I7	05 Aug 2025	7	20.90	94.42	8.0	33.61	8.2	23.5	0.25
I7	05 Aug 2025	8	20.21	93.84	8.3	33.55	8.2	23.6	0.25
I7	05 Aug 2025	9	20.03	94.18	8.4	33.53	8.2	23.6	0.26
I7	05 Aug 2025	10	19.67	95.27	8.6	33.52	8.2	23.7	0.22
I7	05 Aug 2025	11	19.07	95.51	8.8	33.51	8.2	23.9	0.25
I7	05 Aug 2025	12	18.54	95.31	8.9	33.48	8.2	24.0	0.36
I7	05 Aug 2025	13	17.54	94.77	9.2	33.48	8.2	24.2	0.47
I7	05 Aug 2025	14	17.15	94.37	9.3	33.46	8.2	24.3	0.56
I7	05 Aug 2025	15	16.79	94.31	9.4	33.45	8.2	24.4	0.59
I7	05 Aug 2025	16	16.55	93.91	9.4	33.44	8.2	24.4	0.63
I7	05 Aug 2025	17	16.09	93.75	9.4	33.43	8.2	24.5	0.75
I7	05 Aug 2025	18	15.67	93.84	9.3	33.42	8.2	24.6	0.79
I7	05 Aug 2025	19	15.32	93.76	9.2	33.40	8.2	24.7	0.94
I7	05 Aug 2025	20	15.06	93.69	9.0	33.40	8.1	24.7	1.15
I7	05 Aug 2025	21	14.69	93.56	8.9	33.39	8.1	24.8	1.44
I7	05 Aug 2025	22	14.28	93.04	8.7	33.37	8.1	24.9	2.27
I7	05 Aug 2025	23	14.27	91.65	8.5	33.36	8.1	24.9	3.44
I7	05 Aug 2025	24	13.78	92.04	8.3	33.36	8.1	25.0	2.55
I7	05 Aug 2025	25	13.36	92.82	8.1	33.35	8.1	25.0	2.37
I7	05 Aug 2025	26	13.30	93.15	7.9	33.34	8.0	25.1	2.06
I7	05 Aug 2025	27	13.23	93.70	7.7	33.36	8.0	25.1	1.76
I7	05 Aug 2025	28	13.17	94.54	7.6	33.37	8.0	25.1	1.66
I7	05 Aug 2025	29	13.04	94.99	7.5	33.38	8.0	25.1	1.70
I7	05 Aug 2025	30	12.99	94.86	7.4	33.38	8.0	25.1	1.50
I7	05 Aug 2025	31	12.92	94.81	7.3	33.40	8.0	25.2	1.59
I7	05 Aug 2025	32	12.76	94.86	7.1	33.42	8.0	25.2	1.66
I7	05 Aug 2025	33	12.66	93.28	7.0	33.43	8.0	25.2	1.75
I7	05 Aug 2025	34	12.63	95.15	6.9	33.44	8.0	25.3	1.60
I7	05 Aug 2025	35	12.58	94.81	6.8	33.44	8.0	25.3	1.40
I7	05 Aug 2025	36	12.53	94.55	6.7	33.44	7.9	25.3	1.21
I7	05 Aug 2025	37	12.46	95.67	6.7	33.44	7.9	25.3	0.97
I7	05 Aug 2025	38	12.44	95.70	6.6	33.44	7.9	25.3	0.93
I7	05 Aug 2025	39	12.34	95.83	6.6	33.45	7.9	25.3	0.97
I7	05 Aug 2025	40	12.26	96.19	6.5	33.45	7.9	25.3	0.97
I7	05 Aug 2025	41	12.16	95.97	6.4	33.45	7.9	25.4	1.18
I7	05 Aug 2025	42	12.11	95.63	6.4	33.46	7.9	25.4	1.33
I7	05 Aug 2025	43	12.05	95.19	6.3	33.46	7.9	25.4	1.30
I7	05 Aug 2025	44	12.03	94.71	6.2	33.47	7.9	25.4	1.48
I7	05 Aug 2025	45	11.97	94.53	6.2	33.47	7.9	25.4	1.56
I7	05 Aug 2025	46	11.91	93.90	6.1	33.47	7.9	25.4	1.70
I7	05 Aug 2025	47	11.77	93.33	6.0	33.49	7.9	25.5	1.59
I7	05 Aug 2025	48	11.69	93.37	5.9	33.49	7.9	25.5	1.46
I7	05 Aug 2025	49	11.59	93.57	5.7	33.52	7.8	25.5	2.21
I7	05 Aug 2025	50	11.46	93.22	5.5	33.54	7.8	25.6	1.49
I7	05 Aug 2025	51	11.45	92.03	5.4	33.54	7.8	25.6	1.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I8	05 Aug 2025	1	21.53	92.52	7.8	33.63	8.2	23.3	0.14
I8	05 Aug 2025	2	21.51	93.28	7.8	33.63	8.2	23.3	0.18
I8	05 Aug 2025	3	21.48	94.70	7.8	33.63	8.2	23.3	0.13
I8	05 Aug 2025	4	21.43	94.85	7.8	33.63	8.2	23.3	0.15
I8	05 Aug 2025	5	21.37	94.83	7.8	33.63	8.2	23.4	0.15
I8	05 Aug 2025	6	21.18	94.81	7.8	33.62	8.2	23.4	0.16
I8	05 Aug 2025	7	20.36	94.86	8.0	33.59	8.2	23.6	0.16
I8	05 Aug 2025	8	19.07	95.27	8.4	33.56	8.2	23.9	0.17
I8	05 Aug 2025	9	17.45	94.69	9.2	33.49	8.2	24.2	0.21
I8	05 Aug 2025	10	16.78	93.88	9.5	33.46	8.2	24.4	0.40
I8	05 Aug 2025	11	16.39	92.35	9.8	33.44	8.2	24.5	0.57
I8	05 Aug 2025	12	16.13	91.17	9.9	33.42	8.2	24.5	0.84
I8	05 Aug 2025	13	16.07	90.01	9.8	33.42	8.2	24.5	1.20
I8	05 Aug 2025	14	15.88	90.68	9.7	33.43	8.2	24.6	1.12
I8	05 Aug 2025	15	15.75	90.67	9.6	33.42	8.2	24.6	1.10
I8	05 Aug 2025	16	15.66	90.80	9.6	33.42	8.2	24.6	1.15
I8	05 Aug 2025	17	15.69	91.00	9.6	33.43	8.2	24.6	1.27
I8	05 Aug 2025	18	15.57	90.96	9.5	33.43	8.2	24.6	1.38
I8	05 Aug 2025	19	15.49	90.61	9.4	33.43	8.2	24.7	1.96
I8	05 Aug 2025	20	15.16	89.28	9.2	33.44	8.2	24.7	3.40
I8	05 Aug 2025	21	14.72	88.31	9.0	33.45	8.1	24.8	4.00
I8	05 Aug 2025	22	14.36	89.10	8.8	33.44	8.1	24.9	3.37
I8	05 Aug 2025	23	14.22	89.44	8.6	33.45	8.1	24.9	3.16
I8	05 Aug 2025	24	14.12	89.97	8.5	33.45	8.1	25.0	2.82
I8	05 Aug 2025	25	14.11	90.99	8.4	33.44	8.1	25.0	2.98
I8	05 Aug 2025	26	13.80	91.34	8.1	33.45	8.1	25.0	2.70
I8	05 Aug 2025	27	13.46	91.53	7.8	33.46	8.0	25.1	2.49
I8	05 Aug 2025	28	13.37	92.03	7.5	33.45	8.0	25.1	2.62
I8	05 Aug 2025	29	13.13	92.49	7.4	33.45	8.0	25.2	2.37
I8	05 Aug 2025	30	12.67	92.97	7.1	33.45	8.0	25.3	2.29
I8	05 Aug 2025	31	12.31	91.62	6.9	33.43	8.0	25.3	5.29
I8	05 Aug 2025	32	12.09	92.97	6.7	33.44	7.9	25.4	1.67
I8	05 Aug 2025	33	12.03	95.11	6.5	33.44	7.9	25.4	1.36
I8	05 Aug 2025	34	11.92	94.86	6.3	33.46	7.9	25.4	1.56
I8	05 Aug 2025	35	11.91	92.46	6.1	33.47	7.9	25.4	2.12
I8	05 Aug 2025	36	11.82	88.05	5.7	33.49	7.8	25.4	3.41
I12	06 Aug 2025	1	20.89	95.26	8.1	33.59	8.2	23.4	0.11
I12	06 Aug 2025	2	20.10	95.05	8.4	33.57	8.2	23.6	0.12
I12	06 Aug 2025	3	19.49	95.05	8.7	33.54	8.2	23.8	0.12
I12	06 Aug 2025	4	19.15	95.37	8.9	33.51	8.2	23.8	0.13
I12	06 Aug 2025	5	19.02	95.51	8.9	33.50	8.2	23.9	0.14
I12	06 Aug 2025	6	18.40	94.97	9.1	33.49	8.2	24.0	0.17
I12	06 Aug 2025	7	17.62	94.69	9.3	33.48	8.2	24.2	0.19
I12	06 Aug 2025	8	17.71	94.92	9.2	33.46	8.2	24.2	0.20
I12	06 Aug 2025	9	16.76	94.67	9.4	33.45	8.2	24.4	0.24
I12	06 Aug 2025	10	16.50	94.40	9.5	33.44	8.2	24.4	0.31
I12	06 Aug 2025	11	16.07	94.14	9.5	33.43	8.2	24.5	0.33
I12	06 Aug 2025	12	15.54	93.50	9.5	33.43	8.2	24.6	0.48
I12	06 Aug 2025	13	15.15	92.31	9.4	33.42	8.2	24.7	0.87
I12	06 Aug 2025	14	14.95	91.89	9.2	33.41	8.2	24.8	1.27
I12	06 Aug 2025	15	14.85	91.15	9.1	33.40	8.1	24.8	1.67
I12	06 Aug 2025	16	14.76	90.83	9.0	33.40	8.1	24.8	1.85
I12	06 Aug 2025	17	14.60	90.49	8.9	33.41	8.1	24.8	2.15
I12	06 Aug 2025	18	14.46	90.33	8.8	33.43	8.1	24.9	2.40
I12	06 Aug 2025	19	14.25	90.09	8.6	33.43	8.1	24.9	2.72
I12	06 Aug 2025	20	13.98	90.12	8.3	33.44	8.1	25.0	2.91
I12	06 Aug 2025	21	13.80	90.18	8.2	33.44	8.1	25.0	3.01
I12	06 Aug 2025	22	13.74	90.13	8.1	33.44	8.1	25.0	3.05
I12	06 Aug 2025	23	13.74	90.01	8.0	33.44	8.1	25.0	3.09
I12	06 Aug 2025	24	13.55	90.05	7.8	33.45	8.1	25.1	3.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I12	06 Aug 2025	25	13.20	89.85	7.6	33.46	8.0	25.2	4.04
I12	06 Aug 2025	26	12.90	86.08	7.2	33.47	8.0	25.2	5.80
I12	06 Aug 2025	27	12.41	84.61	6.8	33.45	7.9	25.3	5.06
I12	06 Aug 2025	28	12.35	86.78	6.6	33.45	7.9	25.3	4.24
I18	06 Aug 2025	1	21.24	94.45	8.0	33.63	8.2	23.4	0.20
I18	06 Aug 2025	2	21.17	94.43	8.0	33.62	8.2	23.4	0.20
I18	06 Aug 2025	3	21.00	94.40	7.9	33.62	8.2	23.4	0.22
I18	06 Aug 2025	4	19.20	94.30	8.9	33.60	8.2	23.9	0.22
I18	06 Aug 2025	5	18.13	94.48	9.8	33.53	8.2	24.1	0.21
I18	06 Aug 2025	6	17.80	94.59	10.1	33.49	8.2	24.2	0.23
I18	06 Aug 2025	7	17.20	94.35	10.2	33.48	8.2	24.3	0.24
I18	06 Aug 2025	8	16.85	94.03	10.2	33.45	8.2	24.4	0.30
I18	06 Aug 2025	9	16.50	93.54	10.1	33.44	8.2	24.4	0.47
I18	06 Aug 2025	10	16.07	92.71	9.8	33.43	8.2	24.5	0.71
I18	06 Aug 2025	11	15.77	92.08	9.7	33.42	8.2	24.6	0.97
I18	06 Aug 2025	12	15.62	91.60	9.7	33.42	8.2	24.6	0.98
I18	06 Aug 2025	13	15.40	91.50	9.6	33.42	8.2	24.7	1.18
I18	06 Aug 2025	14	15.25	91.37	9.5	33.42	8.2	24.7	1.44
I18	06 Aug 2025	15	14.95	90.62	9.4	33.43	8.2	24.8	1.56
I18	06 Aug 2025	16	14.79	90.90	9.3	33.43	8.2	24.8	1.63
I18	06 Aug 2025	17	14.56	91.01	9.1	33.43	8.1	24.9	1.82
I18	06 Aug 2025	18	14.40	90.60	8.9	33.43	8.1	24.9	2.09
I18	06 Aug 2025	19	14.18	89.89	8.8	33.45	8.1	24.9	3.01
I13	06 Aug 2025	1	21.71	94.63	7.8	33.62	8.2	23.2	0.14
I13	06 Aug 2025	2	21.74	94.78	7.8	33.62	8.2	23.2	0.14
I13	06 Aug 2025	3	21.52	95.07	7.8	33.62	8.2	23.3	0.13
I13	06 Aug 2025	4	21.33	95.15	7.8	33.61	8.2	23.3	0.14
I13	06 Aug 2025	5	20.59	95.18	8.2	33.59	8.2	23.5	0.13
I13	06 Aug 2025	6	19.87	95.27	8.5	33.54	8.2	23.7	0.12
I13	06 Aug 2025	7	19.58	95.69	8.8	33.53	8.2	23.7	0.13
I13	06 Aug 2025	8	19.39	95.65	8.9	33.52	8.2	23.8	0.16
I13	06 Aug 2025	9	18.67	95.28	9.2	33.51	8.2	24.0	0.17
I13	06 Aug 2025	10	18.24	95.19	9.3	33.48	8.2	24.1	0.25
I13	06 Aug 2025	11	17.84	94.86	9.4	33.47	8.2	24.1	0.26
I13	06 Aug 2025	12	17.31	94.58	9.5	33.46	8.2	24.3	0.26
I13	06 Aug 2025	13	16.73	94.33	9.5	33.45	8.2	24.4	0.30
I13	06 Aug 2025	14	16.61	94.23	9.4	33.43	8.2	24.4	0.33
I13	06 Aug 2025	15	15.81	94.08	9.5	33.42	8.2	24.6	0.37
I13	06 Aug 2025	16	15.50	93.58	9.5	33.41	8.2	24.6	0.54
I13	06 Aug 2025	17	15.22	93.06	9.3	33.41	8.2	24.7	0.92
I13	06 Aug 2025	18	14.85	91.62	9.1	33.42	8.2	24.8	1.04
I13	06 Aug 2025	19	14.48	89.99	8.8	33.42	8.1	24.9	2.15
I13	06 Aug 2025	20	14.31	91.21	8.6	33.42	8.1	24.9	1.60
I13	06 Aug 2025	21	14.20	92.79	8.4	33.42	8.1	24.9	1.42
I13	06 Aug 2025	22	13.92	93.01	8.2	33.43	8.1	25.0	1.51
I13	06 Aug 2025	23	13.52	93.11	8.0	33.41	8.1	25.1	1.73
I13	06 Aug 2025	24	13.11	93.29	7.8	33.38	8.1	25.1	1.56
I13	06 Aug 2025	25	13.03	93.07	7.6	33.38	8.0	25.1	1.89
I13	06 Aug 2025	26	13.01	93.12	7.5	33.38	8.0	25.1	2.00
I13	06 Aug 2025	27	12.92	93.59	7.4	33.38	8.0	25.2	1.94
I13	06 Aug 2025	28	12.86	93.72	7.3	33.39	8.0	25.2	1.82
I13	06 Aug 2025	29	12.83	93.77	7.2	33.40	8.0	25.2	1.96
I13	06 Aug 2025	30	12.75	93.50	7.1	33.41	8.0	25.2	1.95
I13	06 Aug 2025	31	12.70	93.19	7.0	33.42	8.0	25.2	1.85
I13	06 Aug 2025	32	12.67	93.95	6.9	33.42	8.0	25.2	1.94
I13	06 Aug 2025	33	12.47	94.01	6.8	33.44	8.0	25.3	1.78
I13	06 Aug 2025	34	12.29	94.05	6.6	33.45	8.0	25.3	1.68
I13	06 Aug 2025	35	12.19	93.93	6.4	33.45	7.9	25.4	1.72
I13	06 Aug 2025	36	12.08	93.74	6.3	33.46	7.9	25.4	1.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I13	06 Aug 2025	37	12.04	93.23	6.2	33.46	7.9	25.4	1.82
I13	06 Aug 2025	38	12.04	92.88	6.2	33.46	7.9	25.4	1.99
I15	06 Aug 2025	1	20.73	95.23	8.2	33.58	8.2	23.5	0.14
I15	06 Aug 2025	2	20.51	95.13	8.2	33.58	8.2	23.5	0.12
I15	06 Aug 2025	3	19.86	95.27	8.6	33.55	8.2	23.7	0.13
I15	06 Aug 2025	4	19.53	95.54	8.8	33.52	8.2	23.8	0.15
I15	06 Aug 2025	5	19.19	95.59	8.9	33.52	8.2	23.8	0.16
I15	06 Aug 2025	6	18.56	95.57	9.1	33.50	8.2	24.0	0.17
I15	06 Aug 2025	7	18.32	95.42	9.2	33.48	8.2	24.0	0.18
I15	06 Aug 2025	8	18.00	95.31	9.1	33.49	8.2	24.1	0.18
I15	06 Aug 2025	9	16.75	95.04	9.4	33.47	8.2	24.4	0.22
I15	06 Aug 2025	10	16.46	94.51	9.5	33.44	8.2	24.4	0.28
I15	06 Aug 2025	11	16.28	94.46	9.5	33.43	8.2	24.5	0.43
I15	06 Aug 2025	12	15.77	93.77	9.5	33.43	8.2	24.6	0.37
I15	06 Aug 2025	13	15.12	92.95	9.4	33.44	8.2	24.7	0.69
I15	06 Aug 2025	14	14.73	91.35	9.2	33.42	8.2	24.8	1.32
I15	06 Aug 2025	15	14.55	89.60	9.0	33.42	8.1	24.9	2.19
I15	06 Aug 2025	16	14.40	88.51	8.8	33.42	8.1	24.9	3.10
I15	06 Aug 2025	17	14.33	88.35	8.7	33.42	8.1	24.9	3.57
I15	06 Aug 2025	18	14.28	88.89	8.6	33.42	8.1	24.9	3.48
I15	06 Aug 2025	19	14.23	89.86	8.5	33.43	8.1	24.9	3.53
I15	06 Aug 2025	20	14.09	90.33	8.4	33.43	8.1	25.0	3.22
I15	06 Aug 2025	21	14.01	90.81	8.3	33.43	8.1	25.0	3.04
I15	06 Aug 2025	22	13.71	90.78	8.0	33.45	8.1	25.0	3.15
I15	06 Aug 2025	23	13.31	90.01	7.8	33.45	8.0	25.1	3.82
I15	06 Aug 2025	24	13.27	88.98	7.6	33.44	8.0	25.1	4.20
I15	06 Aug 2025	25	13.07	87.61	7.4	33.44	8.0	25.2	4.93
I15	06 Aug 2025	26	13.01	88.55	7.2	33.45	8.0	25.2	4.80
I15	06 Aug 2025	27	12.74	88.70	6.9	33.45	8.0	25.2	4.28
I15	06 Aug 2025	28	12.59	89.77	6.8	33.44	8.0	25.3	3.49
I15	06 Aug 2025	29	12.39	92.44	6.6	33.46	7.9	25.3	3.41
I15	06 Aug 2025	30	12.14	91.97	6.3	33.46	7.9	25.4	1.91
I15	06 Aug 2025	31	12.15	90.88	6.2	33.46	7.9	25.4	1.79
I16	06 Aug 2025	1	20.40	95.00	8.3	33.57	8.2	23.6	0.15
I16	06 Aug 2025	2	20.44	94.76	8.3	33.58	8.2	23.6	0.15
I16	06 Aug 2025	3	20.07	93.51	8.3	33.57	8.2	23.7	0.15
I16	06 Aug 2025	4	19.35	95.16	8.6	33.55	8.2	23.8	0.22
I16	06 Aug 2025	5	19.01	95.06	8.9	33.52	8.2	23.9	0.19
I16	06 Aug 2025	6	18.77	95.21	9.0	33.50	8.2	23.9	0.17
I16	06 Aug 2025	7	18.28	95.41	9.2	33.49	8.2	24.0	0.17
I16	06 Aug 2025	8	18.07	95.20	9.2	33.48	8.2	24.1	0.19
I16	06 Aug 2025	9	17.84	95.23	9.2	33.48	8.2	24.1	0.20
I16	06 Aug 2025	10	17.19	95.10	9.3	33.47	8.2	24.3	0.25
I16	06 Aug 2025	11	16.58	94.89	9.4	33.45	8.2	24.4	0.28
I16	06 Aug 2025	12	15.79	94.17	9.5	33.43	8.2	24.6	0.42
I16	06 Aug 2025	13	15.32	93.17	9.5	33.43	8.2	24.7	0.72
I16	06 Aug 2025	14	15.13	92.25	9.4	33.42	8.2	24.7	1.06
I16	06 Aug 2025	15	14.94	91.13	9.3	33.41	8.2	24.8	1.31
I16	06 Aug 2025	16	14.83	90.72	9.1	33.41	8.1	24.8	1.73
I16	06 Aug 2025	17	14.69	90.55	9.1	33.42	8.1	24.8	2.13
I16	06 Aug 2025	18	14.68	90.44	9.0	33.41	8.1	24.8	2.46
I16	06 Aug 2025	19	14.59	90.48	8.9	33.42	8.1	24.8	2.44
I16	06 Aug 2025	20	14.33	90.44	8.7	33.43	8.1	24.9	2.70
I16	06 Aug 2025	21	14.28	90.35	8.6	33.43	8.1	24.9	2.83
I16	06 Aug 2025	22	14.20	90.55	8.4	33.43	8.1	24.9	2.84
I16	06 Aug 2025	23	14.01	90.48	8.3	33.44	8.1	25.0	3.10
I16	06 Aug 2025	24	13.68	89.80	8.0	33.45	8.1	25.1	3.26
I16	06 Aug 2025	25	13.38	88.34	7.7	33.45	8.0	25.1	4.00
I16	06 Aug 2025	26	13.35	87.23	7.6	33.45	8.0	25.1	4.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I16	06 Aug 2025	27	13.32	87.75	7.6	33.45	8.0	25.1	4.49
I16	06 Aug 2025	28	13.11	87.84	7.3	33.45	8.0	25.2	4.94
I17	06 Aug 2025	1	20.79	94.86	8.2	33.58	8.2	23.5	0.17
I17	06 Aug 2025	2	20.42	94.77	8.1	33.60	8.2	23.6	0.16
I17	06 Aug 2025	3	19.37	94.85	8.5	33.54	8.2	23.8	0.18
I17	06 Aug 2025	4	18.46	95.12	8.9	33.50	8.2	24.0	0.19
I17	06 Aug 2025	5	18.06	95.07	9.2	33.48	8.2	24.1	0.21
I17	06 Aug 2025	6	17.83	95.20	9.3	33.47	8.2	24.1	0.23
I17	06 Aug 2025	7	17.59	95.13	9.3	33.46	8.2	24.2	0.28
I17	06 Aug 2025	8	17.54	94.77	9.3	33.46	8.2	24.2	0.26
I17	06 Aug 2025	9	17.46	94.81	9.2	33.46	8.2	24.2	0.29
I17	06 Aug 2025	10	16.94	94.90	9.2	33.46	8.2	24.3	0.30
I17	06 Aug 2025	11	15.90	94.50	9.5	33.45	8.2	24.6	0.38
I17	06 Aug 2025	12	15.48	93.68	9.6	33.43	8.2	24.7	0.65
I17	06 Aug 2025	13	15.38	92.33	9.6	33.41	8.2	24.7	0.89
I17	06 Aug 2025	14	15.33	92.20	9.5	33.41	8.2	24.7	1.02
I17	06 Aug 2025	15	15.28	92.00	9.4	33.42	8.2	24.7	1.19
I17	06 Aug 2025	16	15.22	91.79	9.4	33.42	8.2	24.7	1.38
I17	06 Aug 2025	17	15.12	91.73	9.3	33.42	8.2	24.7	1.68
I17	06 Aug 2025	18	14.89	91.53	9.2	33.43	8.2	24.8	1.76
I17	06 Aug 2025	19	14.64	91.20	9.1	33.43	8.1	24.8	2.23
I17	06 Aug 2025	20	14.51	90.50	8.9	33.43	8.1	24.9	2.54
I17	06 Aug 2025	21	14.34	90.21	8.7	33.43	8.1	24.9	2.66
I17	06 Aug 2025	22	14.15	90.48	8.4	33.44	8.1	25.0	2.92
I17	06 Aug 2025	23	13.61	90.39	8.0	33.46	8.1	25.1	2.82
I17	06 Aug 2025	24	13.22	91.04	7.5	33.46	8.0	25.2	2.19
I17	06 Aug 2025	25	12.87	89.91	7.2	33.46	8.0	25.2	2.46
I14	06 Aug 2025	1	21.19	94.33	8.0	33.60	8.2	23.4	0.18
I14	06 Aug 2025	2	21.23	94.57	8.0	33.61	8.2	23.4	0.17
I14	06 Aug 2025	3	21.02	94.60	8.0	33.61	8.2	23.4	0.17
I14	06 Aug 2025	4	20.52	94.94	8.2	33.59	8.2	23.6	0.17
I14	06 Aug 2025	5	19.85	95.00	8.4	33.56	8.2	23.7	0.17
I14	06 Aug 2025	6	19.59	94.92	8.6	33.54	8.2	23.8	0.16
I14	06 Aug 2025	7	19.16	95.35	8.7	33.52	8.2	23.8	0.17
I14	06 Aug 2025	8	18.40	95.20	9.0	33.50	8.2	24.0	0.17
I14	06 Aug 2025	9	17.80	95.05	9.2	33.47	8.2	24.1	0.22
I14	06 Aug 2025	10	16.98	94.59	9.4	33.47	8.2	24.3	0.25
I14	06 Aug 2025	11	16.01	93.79	9.5	33.44	8.2	24.5	0.36
I14	06 Aug 2025	12	15.18	92.43	9.4	33.44	8.2	24.7	0.75
I14	06 Aug 2025	13	14.75	90.27	9.2	33.42	8.2	24.8	1.27
I14	06 Aug 2025	14	14.41	88.99	8.9	33.42	8.1	24.9	1.69
I14	06 Aug 2025	15	14.38	88.83	8.8	33.41	8.1	24.9	2.32
I14	06 Aug 2025	16	14.33	88.74	8.8	33.42	8.1	24.9	2.55
I14	06 Aug 2025	17	14.29	89.25	8.7	33.42	8.1	24.9	2.81
I14	06 Aug 2025	18	14.23	89.62	8.6	33.42	8.1	24.9	2.91
I14	06 Aug 2025	19	14.17	89.82	8.5	33.43	8.1	24.9	2.91
I14	06 Aug 2025	20	14.15	90.39	8.5	33.43	8.1	24.9	2.85
I14	06 Aug 2025	21	13.92	90.71	8.2	33.44	8.1	25.0	2.88
I14	06 Aug 2025	22	13.50	90.37	7.9	33.45	8.1	25.1	3.13
I14	06 Aug 2025	23	13.27	90.24	7.6	33.45	8.0	25.1	3.33
I14	06 Aug 2025	24	12.98	90.45	7.2	33.45	8.0	25.2	3.09
I14	06 Aug 2025	25	12.79	90.75	7.0	33.45	8.0	25.2	2.63
I14	06 Aug 2025	26	12.52	90.02	6.7	33.45	7.9	25.3	3.00
I14	06 Aug 2025	27	12.40	89.74	6.4	33.45	7.9	25.3	3.19
I14	06 Aug 2025	28	12.36	89.74	6.4	33.45	7.9	25.3	2.77
I23	06 Aug 2025	1	20.82	94.37	8.3	33.59	8.2	23.5	0.27
I23	06 Aug 2025	2	21.06	94.33	8.0	33.60	8.2	23.4	0.27
I23	06 Aug 2025	3	20.36	94.35	8.3	33.60	8.2	23.6	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I23	06 Aug 2025	4	18.98	94.22	9.3	33.55	8.2	23.9	0.32
I23	06 Aug 2025	5	17.75	94.15	10.2	33.52	8.2	24.2	0.31
I23	06 Aug 2025	6	17.22	93.81	10.4	33.48	8.2	24.3	0.34
I23	06 Aug 2025	7	16.80	93.57	10.3	33.45	8.2	24.4	0.40
I23	06 Aug 2025	8	16.64	93.33	10.1	33.45	8.2	24.4	0.42
I23	06 Aug 2025	9	16.24	93.16	10.0	33.43	8.2	24.5	0.53
I23	06 Aug 2025	10	16.01	92.65	9.9	33.43	8.2	24.5	0.70
I23	06 Aug 2025	11	15.75	92.40	9.8	33.42	8.2	24.6	0.92
I23	06 Aug 2025	12	15.40	92.12	9.7	33.42	8.2	24.7	1.57
I23	06 Aug 2025	13	15.28	90.96	9.6	33.41	8.2	24.7	1.81
I23	06 Aug 2025	14	15.21	90.92	9.5	33.41	8.2	24.7	1.81
I23	06 Aug 2025	15	15.05	90.98	9.4	33.42	8.2	24.7	1.87
I23	06 Aug 2025	16	14.75	90.84	9.2	33.42	8.1	24.8	1.94
I23	06 Aug 2025	17	14.44	90.56	9.0	33.43	8.1	24.9	2.24
I23	06 Aug 2025	18	14.32	89.68	8.8	33.43	8.1	24.9	2.59
I23	06 Aug 2025	19	14.16	89.10	8.7	33.44	8.1	24.9	2.70
I23	06 Aug 2025	20	14.07	89.06	8.5	33.43	8.1	25.0	2.54
I23	06 Aug 2025	21	13.86	89.01	8.3	33.45	8.1	25.0	2.27
I22	06 Aug 2025	1	21.04	94.52	7.9	33.61	8.2	23.4	0.26
I22	06 Aug 2025	2	21.02	94.47	7.9	33.62	8.2	23.4	0.25
I22	06 Aug 2025	3	20.34	94.45	8.2	33.59	8.2	23.6	0.27
I22	06 Aug 2025	4	19.22	94.51	8.7	33.55	8.2	23.9	0.22
I22	06 Aug 2025	5	18.68	94.74	9.1	33.52	8.2	24.0	0.20
I22	06 Aug 2025	6	18.07	94.83	9.5	33.50	8.2	24.1	0.22
I22	06 Aug 2025	7	17.24	94.78	9.8	33.48	8.2	24.3	0.24
I22	06 Aug 2025	8	16.88	94.35	9.6	33.44	8.2	24.3	0.28
I22	06 Aug 2025	9	16.58	93.98	9.5	33.43	8.2	24.4	0.38
I22	06 Aug 2025	10	16.05	93.95	9.6	33.42	8.2	24.5	0.46
I22	06 Aug 2025	11	15.64	93.81	9.5	33.42	8.2	24.6	0.55
I22	06 Aug 2025	12	15.26	93.27	9.4	33.41	8.2	24.7	0.95
I22	06 Aug 2025	13	14.85	92.30	9.3	33.41	8.2	24.8	1.26
I22	06 Aug 2025	14	14.76	91.72	9.1	33.41	8.1	24.8	1.83
I22	06 Aug 2025	15	14.72	91.03	9.0	33.40	8.1	24.8	2.13
I22	06 Aug 2025	16	14.64	90.54	8.9	33.41	8.1	24.8	2.57
I22	06 Aug 2025	17	14.53	90.27	8.9	33.42	8.1	24.9	3.33
I22	06 Aug 2025	18	14.44	90.10	8.8	33.42	8.1	24.9	3.56
I22	06 Aug 2025	19	14.39	89.80	8.7	33.42	8.1	24.9	3.27
I22	06 Aug 2025	20	14.29	89.81	8.6	33.42	8.1	24.9	3.20
I22	06 Aug 2025	21	14.18	89.87	8.6	33.43	8.1	24.9	3.05
I22	06 Aug 2025	22	14.13	90.24	8.5	33.43	8.1	24.9	3.00
I22	06 Aug 2025	23	14.05	90.45	8.4	33.43	8.1	25.0	3.06
I22	06 Aug 2025	24	13.97	90.52	8.2	33.44	8.1	25.0	3.08
I22	06 Aug 2025	25	13.85	90.55	8.1	33.44	8.1	25.0	3.15
I22	06 Aug 2025	26	13.51	90.51	8.0	33.45	8.1	25.1	3.17
I22	06 Aug 2025	27	13.44	90.58	7.8	33.45	8.0	25.1	2.95
I22	06 Aug 2025	28	13.19	90.67	7.4	33.47	8.0	25.2	3.23
I20	06 Aug 2025	1	21.26	95.51	7.9	33.61	8.2	23.4	0.20
I20	06 Aug 2025	2	21.25	94.98	7.9	33.61	8.2	23.4	0.22
I20	06 Aug 2025	3	21.19	94.96	7.9	33.60	8.2	23.4	0.23
I20	06 Aug 2025	4	20.82	95.42	8.0	33.59	8.2	23.5	0.20
I20	06 Aug 2025	5	20.21	95.51	8.1	33.55	8.2	23.6	0.24
I20	06 Aug 2025	6	19.78	95.59	8.0	33.51	8.2	23.7	0.30
I20	06 Aug 2025	7	19.54	95.64	7.9	33.50	8.2	23.7	0.24
I20	06 Aug 2025	8	19.37	95.70	8.1	33.49	8.2	23.8	0.22
I20	06 Aug 2025	9	18.84	95.65	8.5	33.50	8.2	23.9	0.27
I20	06 Aug 2025	10	18.45	95.36	8.7	33.48	8.2	24.0	0.27
I20	06 Aug 2025	11	18.26	95.31	8.6	33.46	8.2	24.0	0.28
I20	06 Aug 2025	12	17.88	95.21	8.6	33.45	8.2	24.1	0.31
I20	06 Aug 2025	13	17.19	95.19	8.8	33.43	8.2	24.3	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I20	06 Aug 2025	14	16.99	95.23	8.9	33.43	8.2	24.3	0.37
I20	06 Aug 2025	15	16.51	95.20	9.0	33.42	8.2	24.4	0.40
I20	06 Aug 2025	16	15.88	94.94	9.3	33.41	8.2	24.6	0.48
I20	06 Aug 2025	17	15.83	94.66	9.5	33.40	8.2	24.6	0.57
I20	06 Aug 2025	18	15.64	94.42	9.5	33.41	8.2	24.6	0.61
I20	06 Aug 2025	19	15.58	94.02	9.4	33.42	8.2	24.6	0.66
I20	06 Aug 2025	20	15.46	94.03	9.3	33.43	8.2	24.7	0.70
I20	06 Aug 2025	21	14.90	94.13	9.0	33.43	8.1	24.8	1.05
I20	06 Aug 2025	22	14.74	93.85	8.8	33.42	8.1	24.8	1.44
I20	06 Aug 2025	23	14.25	92.41	8.6	33.41	8.1	24.9	3.44
I20	06 Aug 2025	24	14.12	91.99	8.4	33.39	8.1	24.9	2.04
I20	06 Aug 2025	25	13.82	94.05	8.2	33.39	8.1	25.0	2.35
I20	06 Aug 2025	26	13.54	93.73	8.0	33.37	8.1	25.0	1.73
I20	06 Aug 2025	27	13.46	93.85	7.9	33.37	8.0	25.0	1.86
I20	06 Aug 2025	28	13.03	94.04	7.7	33.38	8.0	25.1	1.86
I20	06 Aug 2025	29	12.89	94.50	7.4	33.37	8.0	25.2	2.26
I20	06 Aug 2025	30	12.82	94.25	7.3	33.38	8.0	25.2	1.68
I20	06 Aug 2025	31	12.71	94.54	7.2	33.40	8.0	25.2	1.77
I20	06 Aug 2025	32	12.69	95.04	7.0	33.41	8.0	25.2	1.64
I20	06 Aug 2025	33	12.66	95.01	7.0	33.41	8.0	25.2	1.70
I20	06 Aug 2025	34	12.60	94.96	6.9	33.42	8.0	25.2	1.64
I20	06 Aug 2025	35	12.59	94.85	6.8	33.42	8.0	25.3	1.71
I20	06 Aug 2025	36	12.52	94.97	6.8	33.44	8.0	25.3	1.65
I20	06 Aug 2025	37	12.39	94.57	6.6	33.44	7.9	25.3	1.63
I20	06 Aug 2025	38	12.31	94.24	6.5	33.45	7.9	25.3	1.83
I20	06 Aug 2025	39	12.20	94.32	6.4	33.46	7.9	25.4	1.96
I20	06 Aug 2025	40	12.05	93.93	6.2	33.46	7.9	25.4	1.69
I20	06 Aug 2025	41	12.06	93.58	6.2	33.46	7.9	25.4	1.90
I20	06 Aug 2025	42	11.96	92.91	6.1	33.47	7.9	25.4	1.77
I20	06 Aug 2025	43	11.90	93.63	6.1	33.47	7.9	25.4	1.57
I20	06 Aug 2025	44	11.87	94.41	6.1	33.47	7.9	25.4	1.43
I20	06 Aug 2025	45	11.79	94.42	6.0	33.48	7.9	25.4	1.50
I20	06 Aug 2025	46	11.64	94.70	5.9	33.49	7.9	25.5	1.13
I20	06 Aug 2025	47	11.60	95.36	5.8	33.49	7.8	25.5	1.12
I20	06 Aug 2025	48	11.55	95.42	5.7	33.51	7.8	25.5	1.05
I20	06 Aug 2025	49	11.48	95.85	5.6	33.53	7.8	25.5	0.95
I20	06 Aug 2025	50	11.43	95.62	5.4	33.54	7.8	25.6	0.87
I20	06 Aug 2025	51	11.44	94.82	5.4	33.54	7.8	25.6	1.06
I20	06 Aug 2025	52	11.41	93.19	5.3	33.55	7.8	25.6	1.08
I20	06 Aug 2025	53	11.41	91.88	5.3	33.55	7.8	25.6	1.31
I20	06 Aug 2025	54	11.41	92.36	5.2	33.55	7.8	25.6	1.38
I20	06 Aug 2025	55	11.41	91.10	5.2	33.55	7.8	25.6	1.57
I21	06 Aug 2025	1	21.40	95.13	7.9	33.61	8.2	23.3	0.17
I21	06 Aug 2025	2	21.42	95.01	7.8	33.62	8.2	23.3	0.17
I21	06 Aug 2025	3	21.33	95.09	7.8	33.62	8.2	23.4	0.18
I21	06 Aug 2025	4	20.10	95.19	8.3	33.56	8.2	23.6	0.18
I21	06 Aug 2025	5	19.10	95.48	8.9	33.53	8.2	23.9	0.15
I21	06 Aug 2025	6	18.58	95.55	9.3	33.51	8.2	24.0	0.20
I21	06 Aug 2025	7	18.22	95.14	9.4	33.49	8.2	24.1	0.22
I21	06 Aug 2025	8	17.72	94.85	9.4	33.47	8.2	24.2	0.26
I21	06 Aug 2025	9	17.31	94.50	9.5	33.45	8.2	24.3	0.30
I21	06 Aug 2025	10	17.10	94.27	9.5	33.44	8.2	24.3	0.31
I21	06 Aug 2025	11	16.71	94.18	9.4	33.44	8.2	24.4	0.37
I21	06 Aug 2025	12	16.31	94.48	9.5	33.42	8.2	24.5	0.43
I21	06 Aug 2025	13	16.10	94.01	9.4	33.42	8.2	24.5	0.43
I21	06 Aug 2025	14	15.87	93.83	9.5	33.42	8.2	24.6	0.49
I21	06 Aug 2025	15	15.59	94.23	9.5	33.41	8.2	24.6	0.66
I21	06 Aug 2025	16	15.37	93.76	9.3	33.40	8.2	24.7	0.78
I21	06 Aug 2025	17	15.19	93.41	9.2	33.41	8.2	24.7	0.97
I21	06 Aug 2025	18	15.07	93.25	9.0	33.41	8.2	24.7	1.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I21	06 Aug 2025	19	14.61	93.01	8.8	33.42	8.1	24.8	1.82
I21	06 Aug 2025	20	14.21	92.45	8.5	33.42	8.1	24.9	2.00
I21	06 Aug 2025	21	13.96	92.57	8.2	33.41	8.1	25.0	1.63
I21	06 Aug 2025	22	13.59	93.18	8.0	33.41	8.1	25.0	1.52
I21	06 Aug 2025	23	13.13	93.68	7.8	33.39	8.0	25.1	1.77
I21	06 Aug 2025	24	12.89	93.83	7.5	33.39	8.0	25.2	1.88
I21	06 Aug 2025	25	12.84	94.22	7.3	33.39	8.0	25.2	1.62
I21	06 Aug 2025	26	12.78	94.59	7.2	33.40	8.0	25.2	1.55
I21	06 Aug 2025	27	12.70	94.58	7.1	33.41	8.0	25.2	1.54
I21	06 Aug 2025	28	12.64	94.67	7.0	33.42	8.0	25.2	1.78
I21	06 Aug 2025	29	12.57	94.70	6.9	33.42	8.0	25.3	1.54
I21	06 Aug 2025	30	12.50	94.84	6.8	33.43	8.0	25.3	1.53
I21	06 Aug 2025	31	12.45	94.85	6.7	33.44	8.0	25.3	1.46
I21	06 Aug 2025	32	12.40	94.91	6.7	33.44	8.0	25.3	1.40
I21	06 Aug 2025	33	12.22	95.10	6.5	33.45	7.9	25.3	1.80
I21	06 Aug 2025	34	12.08	94.98	6.3	33.46	7.9	25.4	1.41
I21	06 Aug 2025	35	11.98	94.48	6.2	33.47	7.9	25.4	1.65
I21	06 Aug 2025	36	11.94	93.71	6.0	33.47	7.9	25.4	1.97
I21	06 Aug 2025	37	11.91	92.83	6.0	33.47	7.9	25.4	1.88
I21	06 Aug 2025	38	11.90	92.06	5.9	33.47	7.9	25.4	1.82
I21	06 Aug 2025	39	11.90	92.29	5.9	33.47	7.9	25.4	1.71
I21	06 Aug 2025	40	11.90	92.25	5.9	33.47	7.9	25.4	1.67
I21	06 Aug 2025	41	11.90	92.28	5.8	33.47	7.9	25.4	1.65
I27	06 Aug 2025	1	20.76	93.21	8.9	33.59	8.2	23.5	0.40
I27	06 Aug 2025	2	20.75	93.31	8.9	33.59	8.2	23.5	0.44
I27	06 Aug 2025	3	20.75	93.21	8.9	33.59	8.2	23.5	0.45
I27	06 Aug 2025	4	20.64	92.94	9.0	33.59	8.2	23.5	0.48
I27	06 Aug 2025	5	20.50	92.86	9.0	33.58	8.2	23.6	0.56
I27	06 Aug 2025	6	19.64	92.58	9.4	33.59	8.2	23.8	0.58
I27	06 Aug 2025	7	19.24	92.30	9.9	33.56	8.2	23.9	0.60
I27	06 Aug 2025	8	19.02	90.31	10.1	33.55	8.3	23.9	0.89
I27	06 Aug 2025	9	18.46	88.46	10.2	33.57	8.2	24.1	1.88
I27	06 Aug 2025	10	16.75	84.54	10.4	33.58	8.3	24.5	3.20
I27	06 Aug 2025	11	14.82	83.53	9.7	33.49	8.2	24.8	4.76
I27	06 Aug 2025	12	14.34	82.63	9.0	33.45	8.1	24.9	7.26
I27	06 Aug 2025	13	13.90	83.71	8.5	33.43	8.1	25.0	6.22
I27	06 Aug 2025	14	13.81	86.32	8.3	33.42	8.1	25.0	4.21
I27	06 Aug 2025	15	13.91	88.17	8.2	33.42	8.1	25.0	4.06
I27	06 Aug 2025	16	13.66	89.19	8.1	33.43	8.1	25.0	3.83
I27	06 Aug 2025	17	13.64	89.73	8.0	33.43	8.1	25.0	3.22
I27	06 Aug 2025	18	13.59	90.04	7.9	33.43	8.1	25.1	3.11
I27	06 Aug 2025	19	13.52	90.38	7.8	33.44	8.0	25.1	3.01
I27	06 Aug 2025	20	13.42	90.24	7.7	33.44	8.0	25.1	2.99
I27	06 Aug 2025	21	13.33	90.58	7.7	33.44	8.0	25.1	2.90
I27	06 Aug 2025	22	13.30	90.99	7.6	33.44	8.0	25.1	2.86
I27	06 Aug 2025	23	13.11	91.21	7.4	33.44	8.0	25.2	2.98
I27	06 Aug 2025	24	12.95	91.11	7.3	33.45	8.0	25.2	2.94
I27	06 Aug 2025	25	12.90	91.16	7.1	33.45	8.0	25.2	2.87
I27	06 Aug 2025	26	12.64	90.99	6.8	33.46	8.0	25.3	3.07
I27	06 Aug 2025	27	12.28	90.32	6.3	33.48	7.9	25.4	3.30
I27	06 Aug 2025	28	12.22	89.15	6.0	33.48	7.9	25.4	2.66
I28	07 Aug 2025	1	21.42	94.50	7.9	33.61	8.2	23.3	0.21
I28	07 Aug 2025	2	21.42	94.31	7.9	33.61	8.2	23.3	0.21
I28	07 Aug 2025	3	21.34	94.68	7.9	33.62	8.2	23.3	0.22
I28	07 Aug 2025	4	21.21	95.28	7.9	33.61	8.2	23.4	0.23
I28	07 Aug 2025	5	20.48	95.34	8.0	33.60	8.2	23.6	0.25
I28	07 Aug 2025	6	19.09	95.21	8.2	33.53	8.2	23.9	0.24
I28	07 Aug 2025	7	18.83	95.03	8.1	33.50	8.1	23.9	0.26
I28	07 Aug 2025	8	18.41	94.51	8.1	33.50	8.1	24.0	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I28	07 Aug 2025	9	17.80	94.27	8.3	33.47	8.1	24.1	0.39
I28	07 Aug 2025	10	17.66	93.99	8.4	33.43	8.1	24.1	0.37
I28	07 Aug 2025	11	17.11	94.53	8.7	33.43	8.1	24.3	0.37
I28	07 Aug 2025	12	16.64	94.95	9.2	33.40	8.2	24.4	0.36
I28	07 Aug 2025	13	16.37	95.06	9.5	33.41	8.2	24.4	0.46
I28	07 Aug 2025	14	16.02	94.42	9.4	33.41	8.2	24.5	0.88
I28	07 Aug 2025	15	15.10	93.65	9.3	33.39	8.2	24.7	0.99
I28	07 Aug 2025	16	14.81	93.63	9.1	33.37	8.1	24.8	0.99
I28	07 Aug 2025	17	14.69	93.77	9.0	33.38	8.1	24.8	0.95
I28	07 Aug 2025	18	14.41	93.84	8.9	33.38	8.1	24.8	1.13
I28	07 Aug 2025	19	14.36	92.99	8.7	33.37	8.1	24.9	1.54
I28	07 Aug 2025	20	13.96	91.64	8.5	33.37	8.1	24.9	3.05
I28	07 Aug 2025	21	13.68	89.74	8.3	33.36	8.1	25.0	4.18
I28	07 Aug 2025	22	13.46	92.13	8.0	33.35	8.0	25.0	2.50
I28	07 Aug 2025	23	13.32	93.42	7.8	33.36	8.0	25.1	1.98
I28	07 Aug 2025	24	13.14	93.98	7.6	33.36	8.0	25.1	1.85
I28	07 Aug 2025	25	13.04	94.57	7.5	33.36	8.0	25.1	1.88
I28	07 Aug 2025	26	12.94	94.83	7.4	33.37	8.0	25.1	1.59
I28	07 Aug 2025	27	12.85	95.08	7.4	33.37	8.0	25.2	1.40
I28	07 Aug 2025	28	12.78	95.23	7.3	33.37	8.0	25.2	1.38
I28	07 Aug 2025	29	12.75	95.47	7.2	33.37	8.0	25.2	1.35
I28	07 Aug 2025	30	12.70	95.50	7.1	33.38	8.0	25.2	1.36
I28	07 Aug 2025	31	12.42	95.49	7.0	33.40	7.9	25.3	1.25
I28	07 Aug 2025	32	12.30	95.85	6.8	33.41	7.9	25.3	1.06
I28	07 Aug 2025	33	12.23	96.22	6.6	33.43	7.9	25.3	1.13
I28	07 Aug 2025	34	12.13	96.22	6.5	33.44	7.9	25.4	1.13
I28	07 Aug 2025	35	12.05	96.09	6.4	33.45	7.9	25.4	0.99
I28	07 Aug 2025	36	11.97	96.09	6.2	33.46	7.9	25.4	1.05
I28	07 Aug 2025	37	11.92	96.16	6.2	33.47	7.9	25.4	0.87
I28	07 Aug 2025	38	11.90	96.27	6.2	33.47	7.9	25.4	0.91
I28	07 Aug 2025	39	11.86	96.38	6.2	33.47	7.9	25.4	0.88
I28	07 Aug 2025	40	11.83	96.38	6.1	33.48	7.9	25.4	0.89
I28	07 Aug 2025	41	11.71	96.37	6.0	33.49	7.8	25.5	0.85
I28	07 Aug 2025	42	11.67	96.26	6.0	33.49	7.8	25.5	1.02
I28	07 Aug 2025	43	11.67	96.13	5.9	33.49	7.8	25.5	0.96
I28	07 Aug 2025	44	11.60	96.07	5.8	33.51	7.8	25.5	0.90
I28	07 Aug 2025	45	11.58	95.73	5.7	33.51	7.8	25.5	0.95
I28	07 Aug 2025	46	11.57	95.53	5.7	33.51	7.8	25.5	1.00
I28	07 Aug 2025	47	11.56	95.44	5.6	33.51	7.8	25.5	1.00
I28	07 Aug 2025	48	11.54	95.38	5.6	33.51	7.8	25.5	1.00
I28	07 Aug 2025	49	11.54	95.36	5.6	33.51	7.8	25.5	0.95
I28	07 Aug 2025	50	11.54	95.29	5.6	33.51	7.8	25.5	0.98
I28	07 Aug 2025	51	11.54	95.37	5.5	33.51	7.8	25.5	0.98
I28	07 Aug 2025	52	11.54	95.16	5.5	33.51	7.8	25.5	1.02
I28	07 Aug 2025	53	11.53	95.06	5.5	33.51	7.8	25.5	1.08
I28	07 Aug 2025	54	11.53	95.07	5.5	33.51	7.8	25.5	0.96
I28	07 Aug 2025	55	11.53	94.90	5.5	33.52	7.8	25.5	1.03
I29	07 Aug 2025	1	20.91	95.12	8.1	33.59	8.2	23.4	0.19
I29	07 Aug 2025	2	20.85	95.17	8.0	33.59	8.2	23.5	0.19
I29	07 Aug 2025	3	19.64	95.08	8.4	33.59	8.2	23.8	0.19
I29	07 Aug 2025	4	19.11	95.22	8.6	33.53	8.2	23.9	0.19
I29	07 Aug 2025	5	18.43	95.20	8.9	33.52	8.2	24.0	0.20
I29	07 Aug 2025	6	17.79	95.16	9.2	33.48	8.2	24.2	0.21
I29	07 Aug 2025	7	17.50	95.19	9.2	33.46	8.2	24.2	0.21
I29	07 Aug 2025	8	17.03	95.20	9.3	33.45	8.2	24.3	0.24
I29	07 Aug 2025	9	16.52	95.22	9.3	33.44	8.1	24.4	0.26
I29	07 Aug 2025	10	15.98	95.15	9.5	33.42	8.2	24.5	0.28
I29	07 Aug 2025	11	15.55	94.75	9.5	33.42	8.1	24.6	0.49
I29	07 Aug 2025	12	14.97	93.57	9.0	33.45	8.1	24.8	0.68
I29	07 Aug 2025	13	13.76	90.89	8.4	33.43	8.0	25.0	1.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I29	07 Aug 2025	14	13.48	92.48	8.0	33.40	8.0	25.1	1.51
I29	07 Aug 2025	15	13.49	93.43	7.9	33.39	8.0	25.0	1.53
I29	07 Aug 2025	16	13.25	93.57	7.8	33.38	8.0	25.1	1.46
I29	07 Aug 2025	17	13.17	93.74	7.7	33.38	8.0	25.1	1.47
I29	07 Aug 2025	18	13.02	93.82	7.5	33.38	8.0	25.1	1.45
I29	07 Aug 2025	19	12.97	94.09	7.4	33.38	8.0	25.1	1.63
I29	07 Aug 2025	20	12.84	94.28	7.3	33.39	8.0	25.2	1.43
I29	07 Aug 2025	21	12.81	94.12	7.2	33.40	8.0	25.2	1.41
I29	07 Aug 2025	22	12.74	94.25	7.2	33.40	8.0	25.2	1.40
I29	07 Aug 2025	23	12.74	94.27	7.1	33.40	8.0	25.2	1.44
I29	07 Aug 2025	24	12.72	94.32	7.1	33.41	8.0	25.2	1.56
I29	07 Aug 2025	25	12.68	94.51	7.0	33.41	7.9	25.2	1.49
I29	07 Aug 2025	26	12.59	94.74	7.0	33.42	7.9	25.2	1.49
I29	07 Aug 2025	27	12.55	94.96	6.9	33.42	7.9	25.3	1.54
I29	07 Aug 2025	28	12.41	95.00	6.8	33.43	7.9	25.3	1.54
I29	07 Aug 2025	29	12.37	95.19	6.7	33.43	7.9	25.3	1.51
I29	07 Aug 2025	30	12.30	95.03	6.6	33.44	7.9	25.3	1.52
I29	07 Aug 2025	31	12.21	94.84	6.5	33.45	7.9	25.3	1.69
I29	07 Aug 2025	32	12.11	94.50	6.3	33.46	7.9	25.4	1.68
I29	07 Aug 2025	33	12.05	94.03	6.2	33.46	7.9	25.4	1.83
I29	07 Aug 2025	34	12.05	93.57	6.2	33.46	7.9	25.4	1.84
I29	07 Aug 2025	35	12.01	93.30	6.1	33.46	7.8	25.4	1.91
I29	07 Aug 2025	36	12.00	92.74	6.0	33.46	7.8	25.4	2.06
I29	07 Aug 2025	37	11.98	91.37	6.0	33.46	7.8	25.4	2.26
I29	07 Aug 2025	38	11.99	90.34	5.9	33.46	7.8	25.4	2.36
I30	07 Aug 2025	1	19.74	86.74	8.6	33.59	8.2	23.8	0.78
I30	07 Aug 2025	2	19.67	86.46	8.6	33.60	8.1	23.8	0.88
I30	07 Aug 2025	3	19.62	83.87	8.5	33.60	8.1	23.8	1.12
I30	07 Aug 2025	4	19.55	83.02	8.5	33.60	8.1	23.8	1.47
I30	07 Aug 2025	5	19.21	82.27	8.5	33.61	8.1	23.9	1.83
I30	07 Aug 2025	6	18.94	81.50	8.6	33.59	8.1	24.0	2.39
I30	07 Aug 2025	7	17.87	83.14	9.1	33.58	8.2	24.2	2.28
I30	07 Aug 2025	8	17.61	86.25	9.3	33.53	8.2	24.2	1.86
I30	07 Aug 2025	9	16.29	89.86	9.1	33.53	8.1	24.6	1.67
I30	07 Aug 2025	10	14.63	89.18	8.9	33.47	8.1	24.9	2.84
I30	07 Aug 2025	11	13.89	86.69	8.4	33.44	8.0	25.0	4.72
I30	07 Aug 2025	12	13.59	89.82	8.0	33.42	8.0	25.1	3.38
I30	07 Aug 2025	13	13.19	91.54	7.7	33.40	8.0	25.1	2.32
I30	07 Aug 2025	14	13.18	92.56	7.6	33.40	8.0	25.1	2.21
I30	07 Aug 2025	15	13.13	91.85	7.4	33.43	8.0	25.2	2.41
I30	07 Aug 2025	16	12.99	90.35	7.2	33.45	8.0	25.2	2.68
I30	07 Aug 2025	17	12.85	90.34	6.9	33.46	7.9	25.2	2.43
I30	07 Aug 2025	18	12.79	90.01	6.7	33.47	7.9	25.2	2.08
I30	07 Aug 2025	19	12.75	89.74	6.6	33.47	7.9	25.3	2.02
I30	07 Aug 2025	20	12.48	90.84	6.6	33.46	7.9	25.3	1.69
I30	07 Aug 2025	21	12.36	93.87	6.6	33.45	7.9	25.3	1.40
I30	07 Aug 2025	22	12.22	94.60	6.4	33.46	7.9	25.4	1.50
I30	07 Aug 2025	23	12.13	93.89	6.3	33.46	7.9	25.4	1.58
I30	07 Aug 2025	24	12.07	93.47	6.1	33.46	7.9	25.4	1.46
I30	07 Aug 2025	25	12.02	92.91	6.0	33.46	7.9	25.4	1.48
I30	07 Aug 2025	26	12.02	92.49	6.0	33.46	7.8	25.4	1.46
I30	07 Aug 2025	27	12.01	92.40	5.9	33.46	7.8	25.4	1.49
I30	07 Aug 2025	28	12.02	91.91	5.9	33.46	7.8	25.4	1.53
I31	07 Aug 2025	1	20.75	90.78	9.1	33.57	8.2	23.5	0.38
I31	07 Aug 2025	2	20.72	90.70	9.1	33.57	8.2	23.5	0.39
I31	07 Aug 2025	3	20.58	90.34	9.2	33.57	8.2	23.5	0.41
I31	07 Aug 2025	4	20.24	91.28	9.9	33.58	8.2	23.6	0.40
I31	07 Aug 2025	5	18.90	91.40	11.8	33.57	8.3	24.0	0.52
I31	07 Aug 2025	6	18.29	89.69	13.0	33.55	8.3	24.1	1.12

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I31	07 Aug 2025	7	17.63	87.16	14.5	33.55	8.4	24.3	1.67
I31	07 Aug 2025	8	16.56	85.58	14.6	33.56	8.4	24.5	1.75
I31	07 Aug 2025	9	15.39	82.03	12.7	33.53	8.3	24.8	3.18
I31	07 Aug 2025	10	14.01	75.78	10.3	33.48	8.2	25.0	6.14
I31	07 Aug 2025	11	13.70	78.16	8.8	33.45	8.1	25.1	5.52
I31	07 Aug 2025	12	13.34	83.41	8.2	33.46	8.0	25.1	5.18
I31	07 Aug 2025	13	12.84	85.23	7.6	33.47	8.0	25.2	4.34
I31	07 Aug 2025	14	12.71	86.93	7.1	33.45	7.9	25.2	3.87
I31	07 Aug 2025	15	12.49	87.43	6.8	33.44	7.9	25.3	4.96
I31	07 Aug 2025	16	12.46	85.79	6.6	33.44	7.9	25.3	5.72
I31	07 Aug 2025	17	12.46	85.60	6.5	33.44	7.9	25.3	5.54
I31	07 Aug 2025	18	12.47	85.81	6.5	33.44	7.9	25.3	5.25
I31	07 Aug 2025	19	12.47	85.96	6.5	33.45	7.9	25.3	5.16
I33	07 Aug 2025	1	20.29	94.37	8.4	33.58	8.2	23.6	0.36
I33	07 Aug 2025	2	20.25	94.31	8.5	33.58	8.2	23.6	0.32
I33	07 Aug 2025	3	20.12	94.33	8.6	33.58	8.2	23.6	0.34
I33	07 Aug 2025	4	20.01	94.26	8.6	33.57	8.2	23.7	0.35
I33	07 Aug 2025	5	19.60	94.43	8.6	33.57	8.2	23.8	0.36
I33	07 Aug 2025	6	18.78	94.36	8.9	33.54	8.2	24.0	0.33
I33	07 Aug 2025	7	17.64	94.51	9.1	33.54	8.2	24.2	0.36
I33	07 Aug 2025	8	16.87	94.19	9.2	33.49	8.2	24.4	0.49
I33	07 Aug 2025	9	15.83	93.77	9.2	33.46	8.1	24.6	0.81
I33	07 Aug 2025	10	15.43	92.82	8.9	33.45	8.1	24.7	1.28
I33	07 Aug 2025	11	14.57	91.74	8.4	33.46	8.1	24.9	1.74
I33	07 Aug 2025	12	13.62	91.35	8.1	33.44	8.0	25.1	1.98
I33	07 Aug 2025	13	13.62	91.99	7.9	33.42	8.0	25.0	1.85
I33	07 Aug 2025	14	13.28	92.45	7.7	33.42	8.0	25.1	1.83
I33	07 Aug 2025	15	13.10	92.59	7.4	33.42	8.0	25.2	1.65
I33	07 Aug 2025	16	12.81	93.28	7.2	33.42	8.0	25.2	1.71
I33	07 Aug 2025	17	12.62	93.94	7.0	33.41	8.0	25.2	1.61
I33	07 Aug 2025	18	12.42	94.27	6.8	33.43	7.9	25.3	1.60
I33	07 Aug 2025	19	12.31	93.86	6.5	33.44	7.9	25.3	1.42
I33	07 Aug 2025	20	12.30	93.77	6.4	33.45	7.9	25.3	1.38
I33	07 Aug 2025	21	12.27	93.68	6.3	33.45	7.9	25.3	1.25
I33	07 Aug 2025	22	12.27	93.75	6.3	33.45	7.9	25.3	1.24
I33	07 Aug 2025	23	12.25	93.63	6.3	33.45	7.9	25.3	1.29
I33	07 Aug 2025	24	12.24	93.50	6.2	33.46	7.9	25.3	1.23
I33	07 Aug 2025	25	12.24	93.20	6.2	33.46	7.9	25.3	1.23
I33	07 Aug 2025	26	12.21	93.26	6.2	33.46	7.9	25.4	1.24
I33	07 Aug 2025	27	12.19	92.77	6.0	33.47	7.9	25.4	1.26
I33	07 Aug 2025	28	12.18	92.08	6.0	33.47	7.8	25.4	1.25
I33	07 Aug 2025	29	12.15	91.43	5.8	33.48	7.8	25.4	1.26
I33	07 Aug 2025	30	12.15	91.53	5.8	33.48	7.8	25.4	1.19
I34	07 Aug 2025	1	19.76	89.24	9.0	33.56	8.2	23.7	0.65
I34	07 Aug 2025	2	19.72	89.15	8.9	33.56	8.2	23.7	0.65
I34	07 Aug 2025	3	18.97	88.52	8.7	33.59	8.2	23.9	0.88
I34	07 Aug 2025	4	17.70	87.20	8.4	33.61	8.1	24.3	2.33
I34	07 Aug 2025	5	16.03	80.30	8.4	33.56	8.1	24.6	5.61
I34	07 Aug 2025	6	15.41	74.95	8.2	33.53	8.1	24.7	7.93
I34	07 Aug 2025	7	14.46	75.27	8.3	33.50	8.0	24.9	7.57
I34	07 Aug 2025	8	13.78	79.96	8.3	33.48	8.0	25.1	6.30
I34	07 Aug 2025	9	13.49	80.81	8.1	33.48	8.0	25.1	8.51
I34	07 Aug 2025	10	13.38	76.23	8.0	33.48	8.0	25.1	10.81
I34	07 Aug 2025	11	13.32	73.95	7.9	33.48	8.0	25.2	10.65
I34	07 Aug 2025	12	13.04	74.25	7.5	33.48	8.0	25.2	10.69
I34	07 Aug 2025	13	12.92	75.99	7.0	33.47	7.9	25.2	9.80
I34	07 Aug 2025	14	12.87	77.15	6.6	33.47	7.9	25.2	8.96
I34	07 Aug 2025	15	12.79	78.05	6.3	33.49	7.9	25.3	7.88
I34	07 Aug 2025	16	12.68	79.44	6.0	33.49	7.8	25.3	6.86

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I34	07 Aug 2025	17	12.59	79.21	5.7	33.50	7.8	25.3	9.44
I34	07 Aug 2025	18	12.49	75.38	5.5	33.50	7.8	25.3	13.87
I34	07 Aug 2025	19	12.45	68.23	5.3	33.50	7.8	25.3	19.04
I35	07 Aug 2025	1	20.96	89.34	8.7	33.55	8.2	23.4	0.36
I35	07 Aug 2025	2	20.90	88.92	8.7	33.57	8.2	23.4	0.36
I35	07 Aug 2025	3	20.69	88.26	8.8	33.57	8.2	23.5	0.40
I35	07 Aug 2025	4	19.66	88.76	9.9	33.68	8.2	23.8	0.42
I35	07 Aug 2025	5	16.70	89.03	12.3	33.67	8.4	24.6	0.59
I35	07 Aug 2025	6	15.73	84.99	11.9	33.57	8.3	24.7	1.38
I35	07 Aug 2025	7	14.81	81.00	10.8	33.52	8.2	24.9	4.51
I35	07 Aug 2025	8	14.15	74.83	9.8	33.50	8.1	25.0	9.20
I35	07 Aug 2025	9	13.60	74.70	8.9	33.47	8.1	25.1	10.44
I35	07 Aug 2025	10	13.42	77.51	8.4	33.46	8.1	25.1	9.66
I35	07 Aug 2025	11	13.25	78.01	8.0	33.48	8.0	25.2	9.10
I35	07 Aug 2025	12	13.12	79.64	7.7	33.48	8.0	25.2	7.36
I35	07 Aug 2025	13	13.05	81.03	7.5	33.48	8.0	25.2	6.75
I35	07 Aug 2025	14	12.94	81.80	7.3	33.48	8.0	25.2	6.60
I35	07 Aug 2025	15	12.80	81.98	6.8	33.49	7.9	25.3	8.52
I35	07 Aug 2025	16	12.73	72.44	6.4	33.48	7.9	25.3	17.58
I35	07 Aug 2025	17	12.72	61.54	6.2	33.48	7.9	25.3	23.55
I35	07 Aug 2025	18	12.71	58.49	6.0	33.48	7.9	25.3	20.57
I35	07 Aug 2025	19	12.70	61.41	6.0	33.48	7.9	25.3	11.96
I36	07 Aug 2025	1	20.19	81.01	8.7	33.54	8.2	23.6	0.85
I36	07 Aug 2025	2	19.86	79.97	8.9	33.55	8.2	23.7	0.84
I36	07 Aug 2025	3	18.77	80.75	9.7	33.57	8.2	24.0	0.93
I36	07 Aug 2025	4	17.30	80.12	10.9	33.55	8.2	24.3	1.16
I36	07 Aug 2025	5	16.05	78.05	11.9	33.51	8.3	24.6	2.15
I36	07 Aug 2025	6	15.32	75.17	12.0	33.49	8.3	24.7	4.27
I36	07 Aug 2025	7	15.01	75.86	11.8	33.48	8.2	24.8	4.91
I36	07 Aug 2025	8	14.72	75.93	10.8	33.48	8.2	24.9	6.12
I36	07 Aug 2025	9	14.56	65.68	10.1	33.48	8.2	24.9	9.65
I36	07 Aug 2025	10	14.48	63.32	9.8	33.48	8.1	24.9	9.59
I36	07 Aug 2025	11	14.12	63.28	9.2	33.48	8.1	25.0	10.94
I37	07 Aug 2025	1	20.00	89.62	8.9	33.56	8.2	23.7	0.81
I37	07 Aug 2025	2	19.73	89.31	8.8	33.57	8.2	23.7	0.85
I37	07 Aug 2025	3	18.54	88.92	8.8	33.60	8.2	24.1	1.17
I37	07 Aug 2025	4	17.67	84.57	8.6	33.59	8.1	24.3	3.59
I37	07 Aug 2025	5	16.41	78.93	9.3	33.58	8.1	24.6	4.42
I37	07 Aug 2025	6	14.61	76.93	10.2	33.51	8.1	24.9	7.19
I37	07 Aug 2025	7	14.52	75.24	10.3	33.48	8.2	24.9	8.28
I37	07 Aug 2025	8	14.05	72.39	10.0	33.49	8.1	25.0	12.16
I37	07 Aug 2025	9	13.96	65.73	9.6	33.50	8.1	25.0	13.93
I37	07 Aug 2025	10	13.78	65.84	9.1	33.50	8.1	25.1	14.07
I37	07 Aug 2025	11	13.74	67.32	8.8	33.50	8.1	25.1	12.17
I37	07 Aug 2025	12	13.73	67.94	8.7	33.51	8.1	25.1	12.01
I38	07 Aug 2025	1	20.04	75.03	8.5	33.56	8.2	23.7	0.70
I38	07 Aug 2025	2	19.59	75.29	9.0	33.57	8.2	23.8	0.65
I38	07 Aug 2025	3	18.73	81.64	9.6	33.56	8.2	24.0	0.55
I38	07 Aug 2025	4	17.91	86.79	10.5	33.55	8.2	24.2	0.49
I38	07 Aug 2025	5	17.14	88.38	11.8	33.52	8.3	24.3	0.49
I38	07 Aug 2025	6	16.42	90.59	12.5	33.50	8.3	24.5	0.58
I38	07 Aug 2025	7	15.95	90.35	12.4	33.50	8.3	24.6	0.64
I38	07 Aug 2025	8	15.44	89.31	11.9	33.50	8.3	24.7	1.00
I38	07 Aug 2025	9	15.21	86.62	11.7	33.51	8.2	24.8	1.39
I38	07 Aug 2025	10	14.51	80.28	11.4	33.52	8.2	24.9	4.48
I38	07 Aug 2025	11	14.41	66.77	10.4	33.51	8.2	25.0	11.11

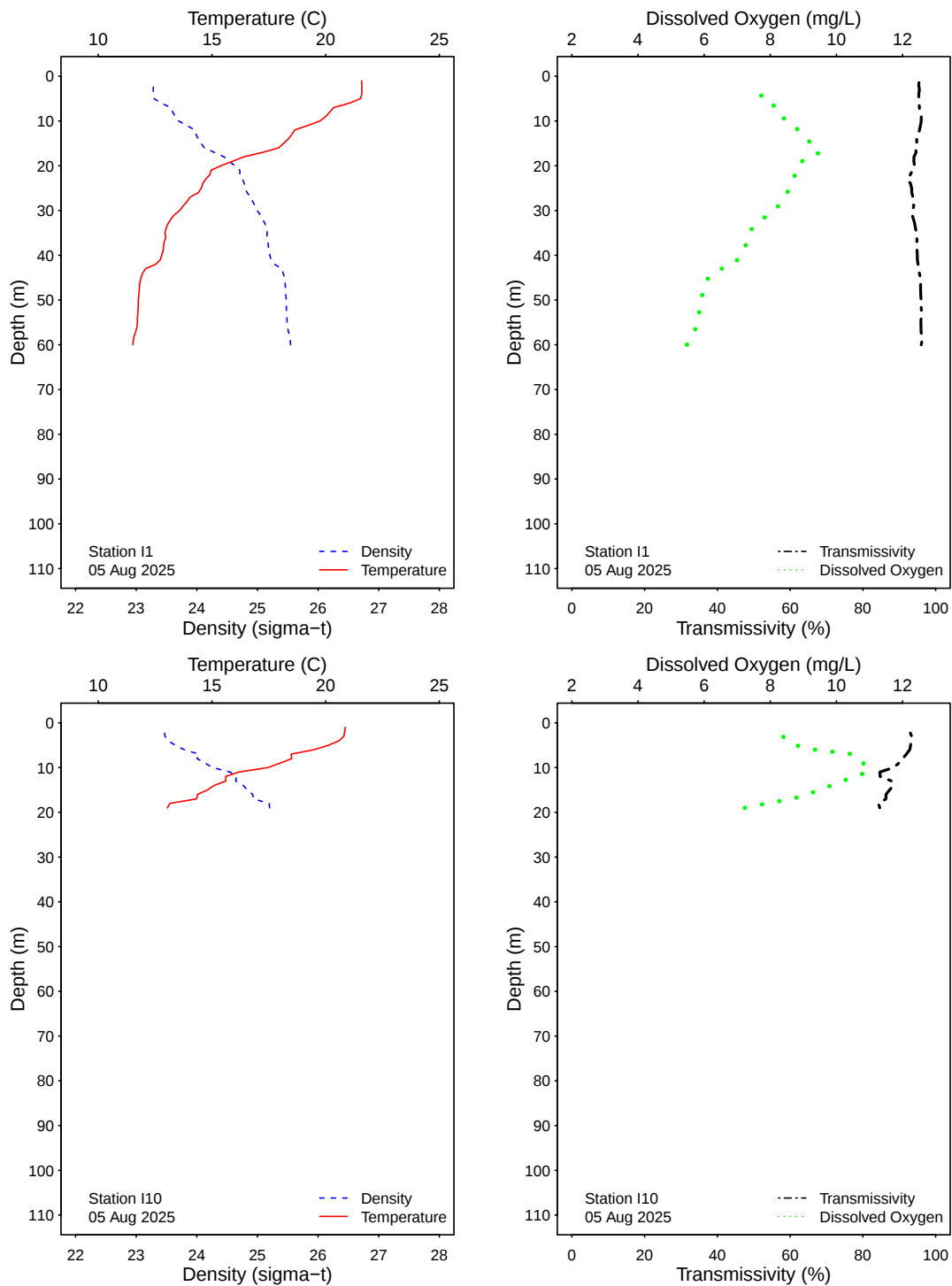


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

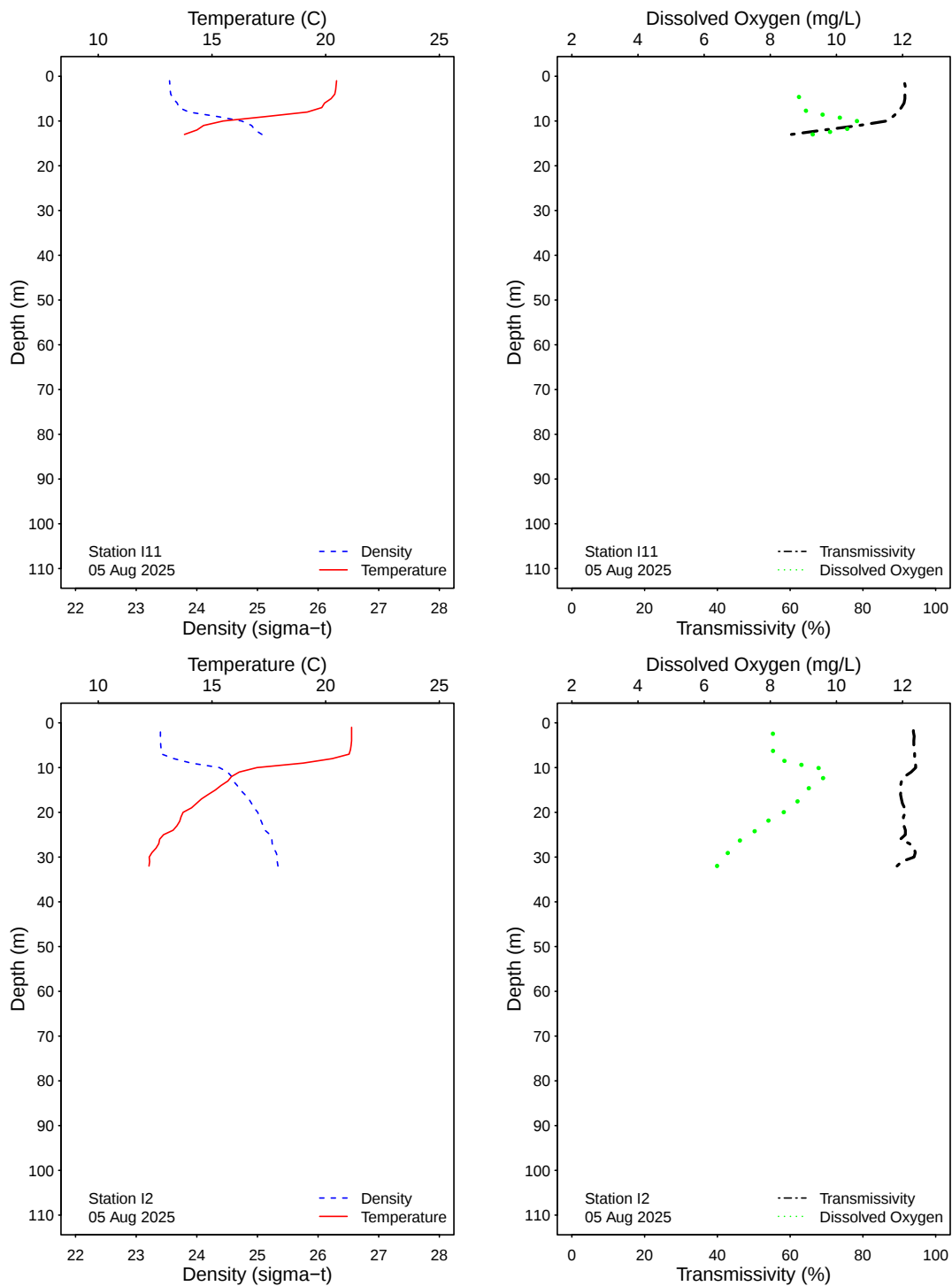


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

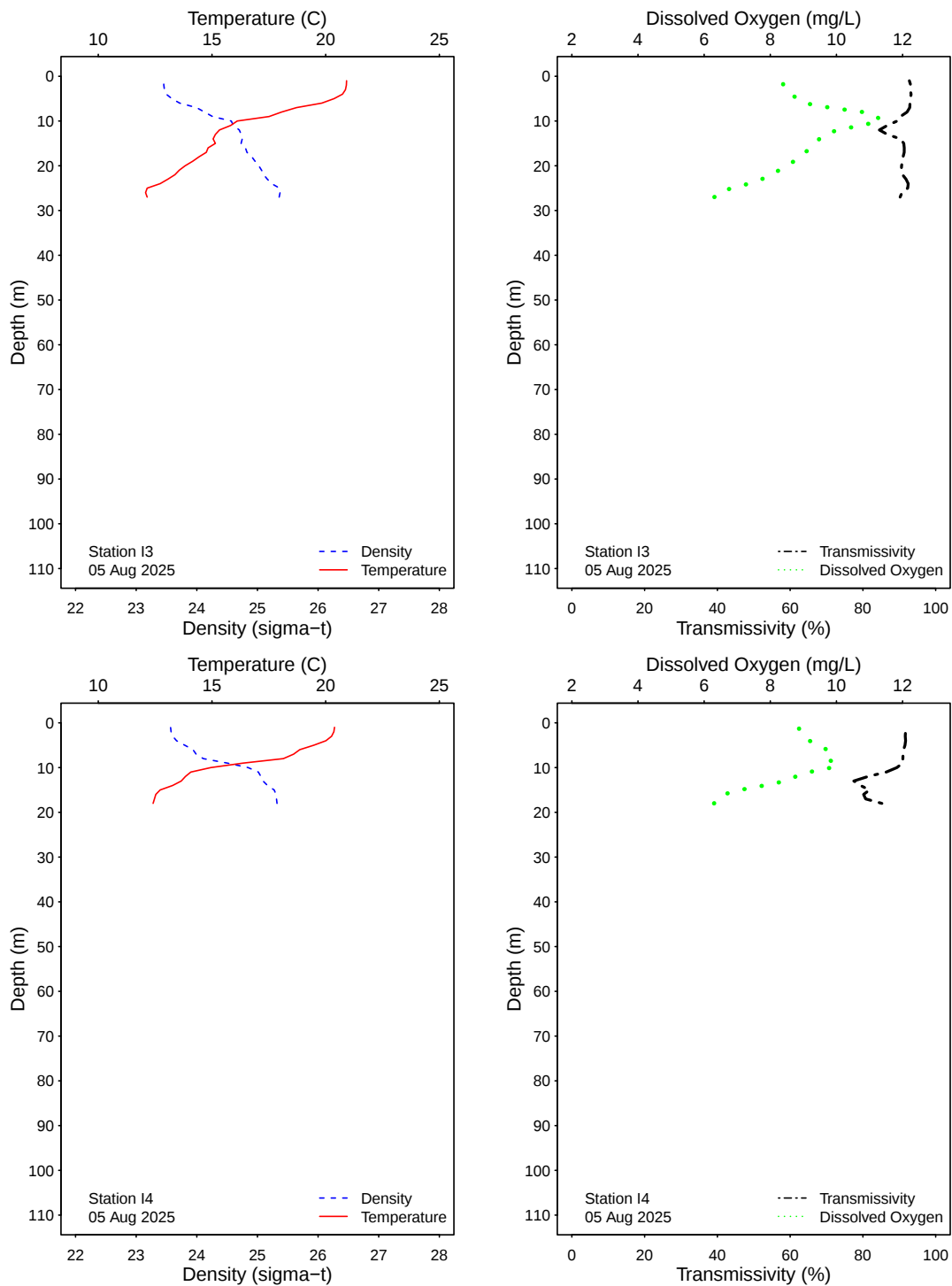


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

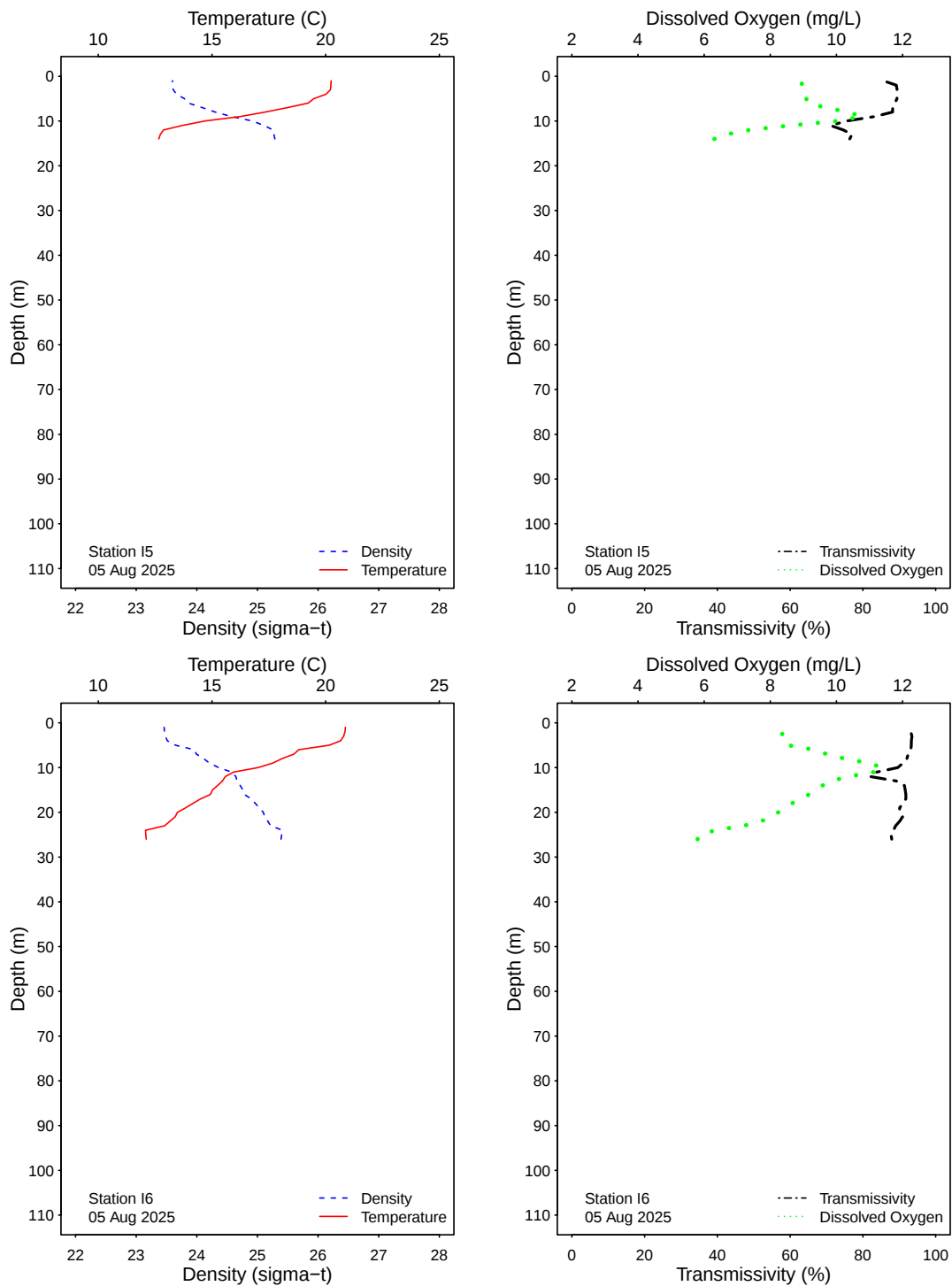


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

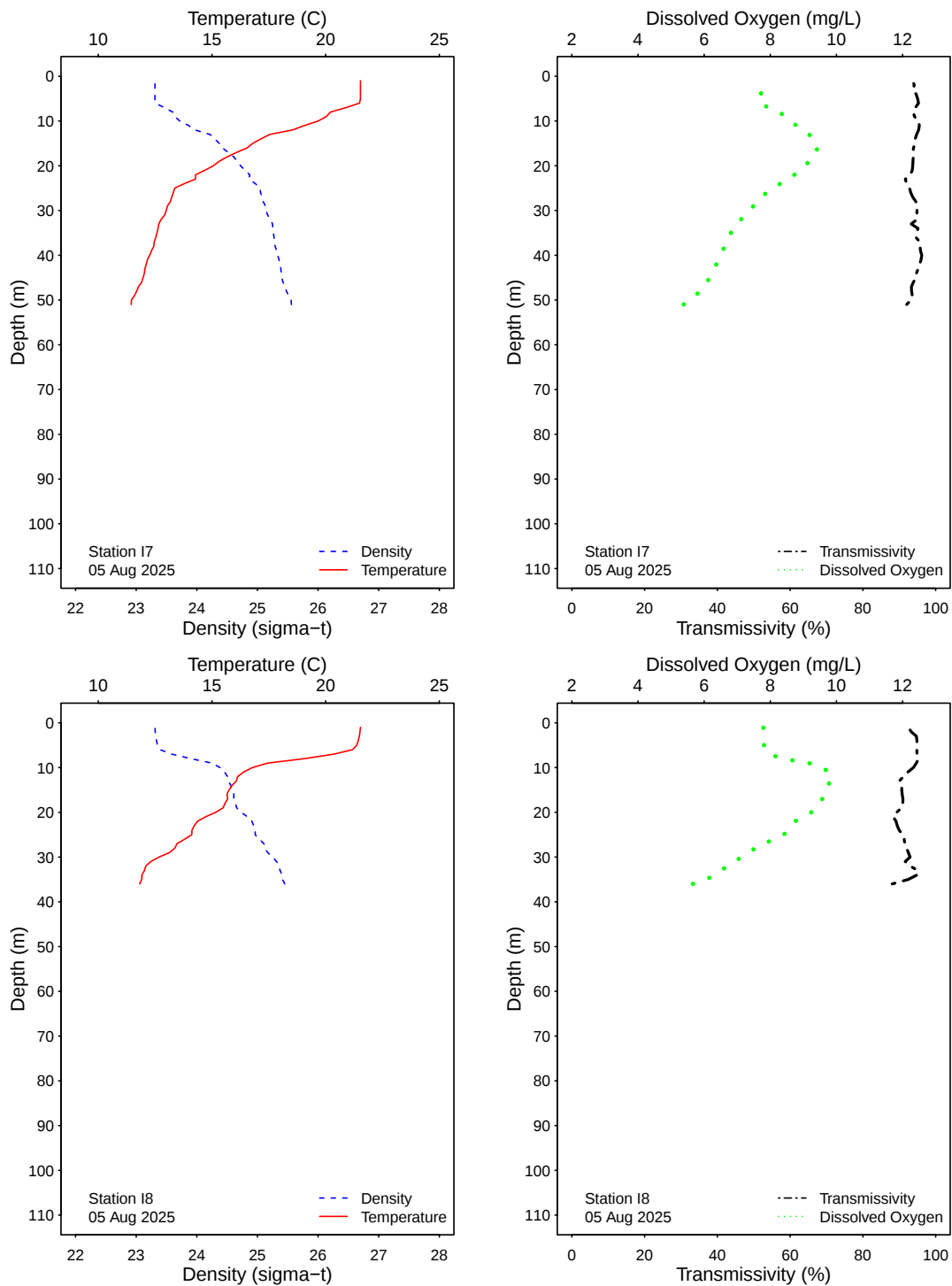


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

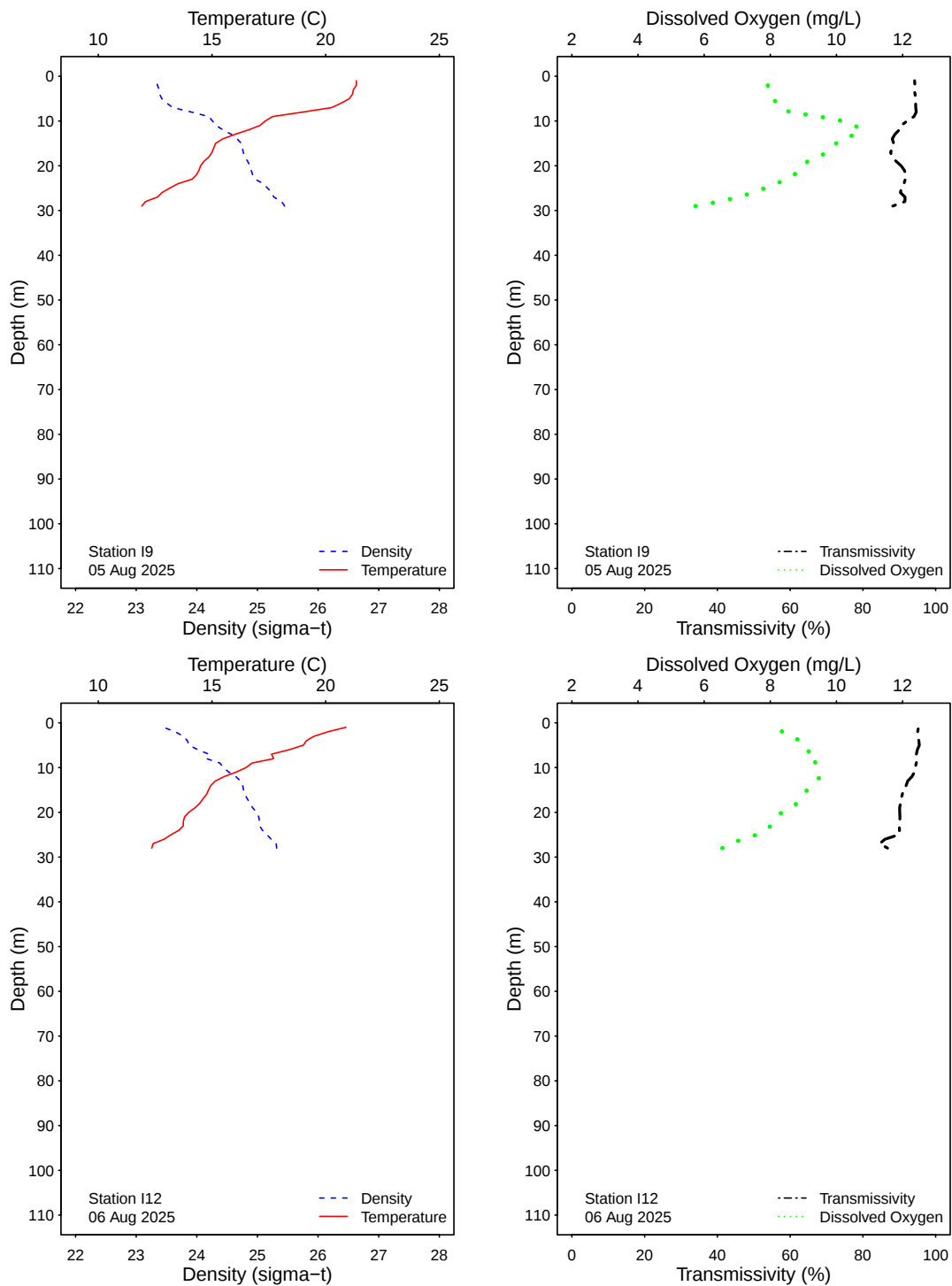


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

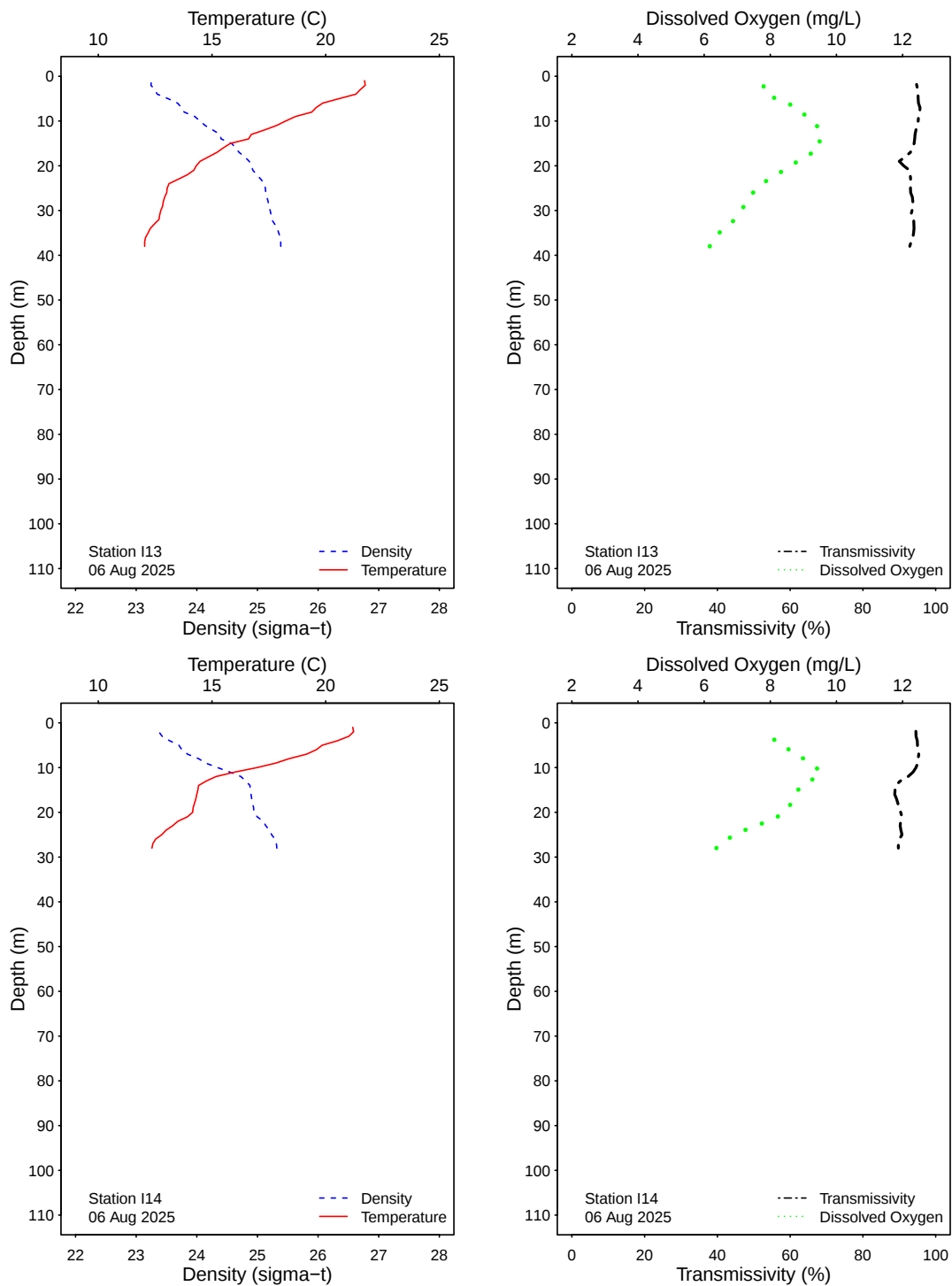


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

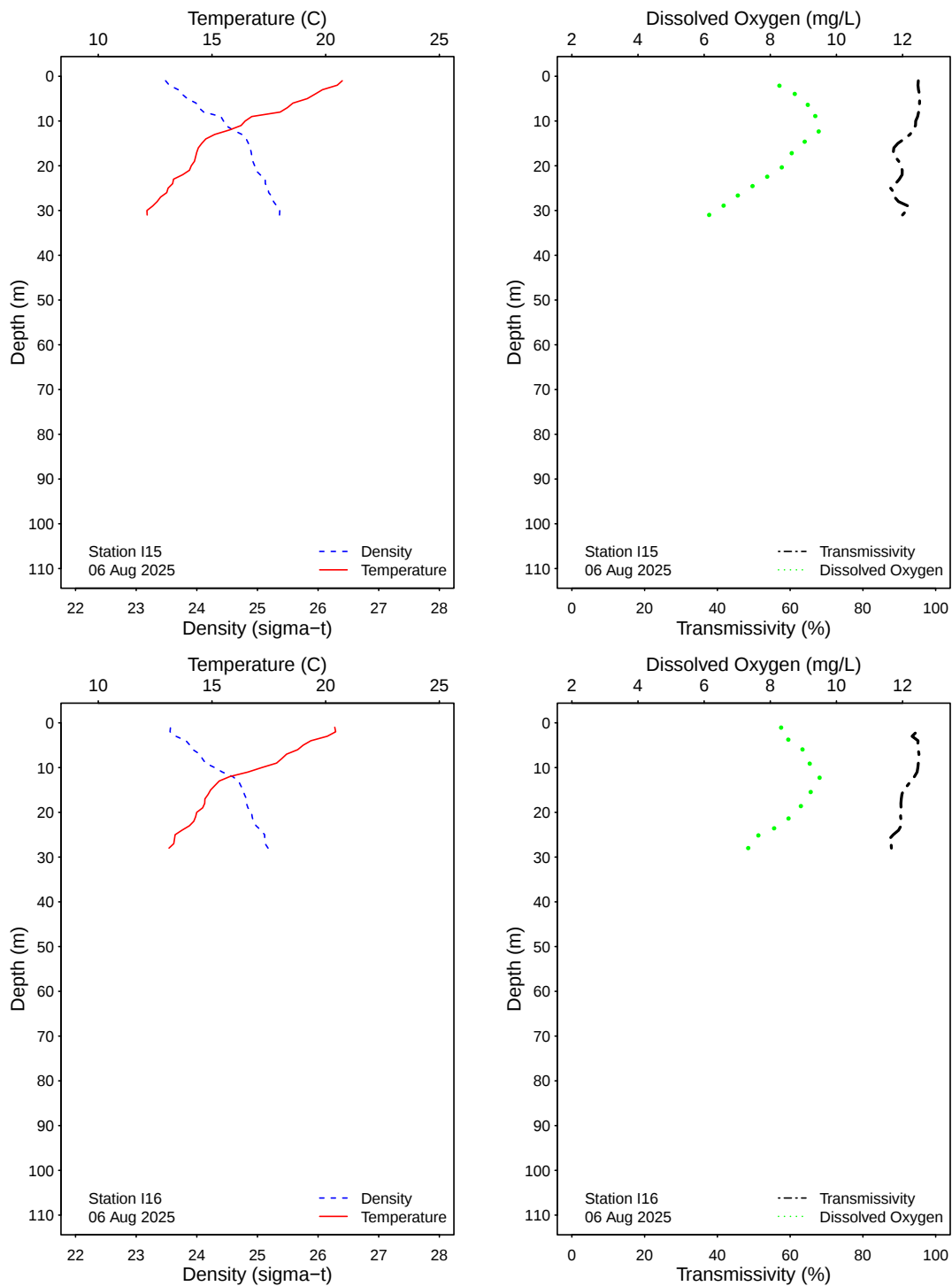


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

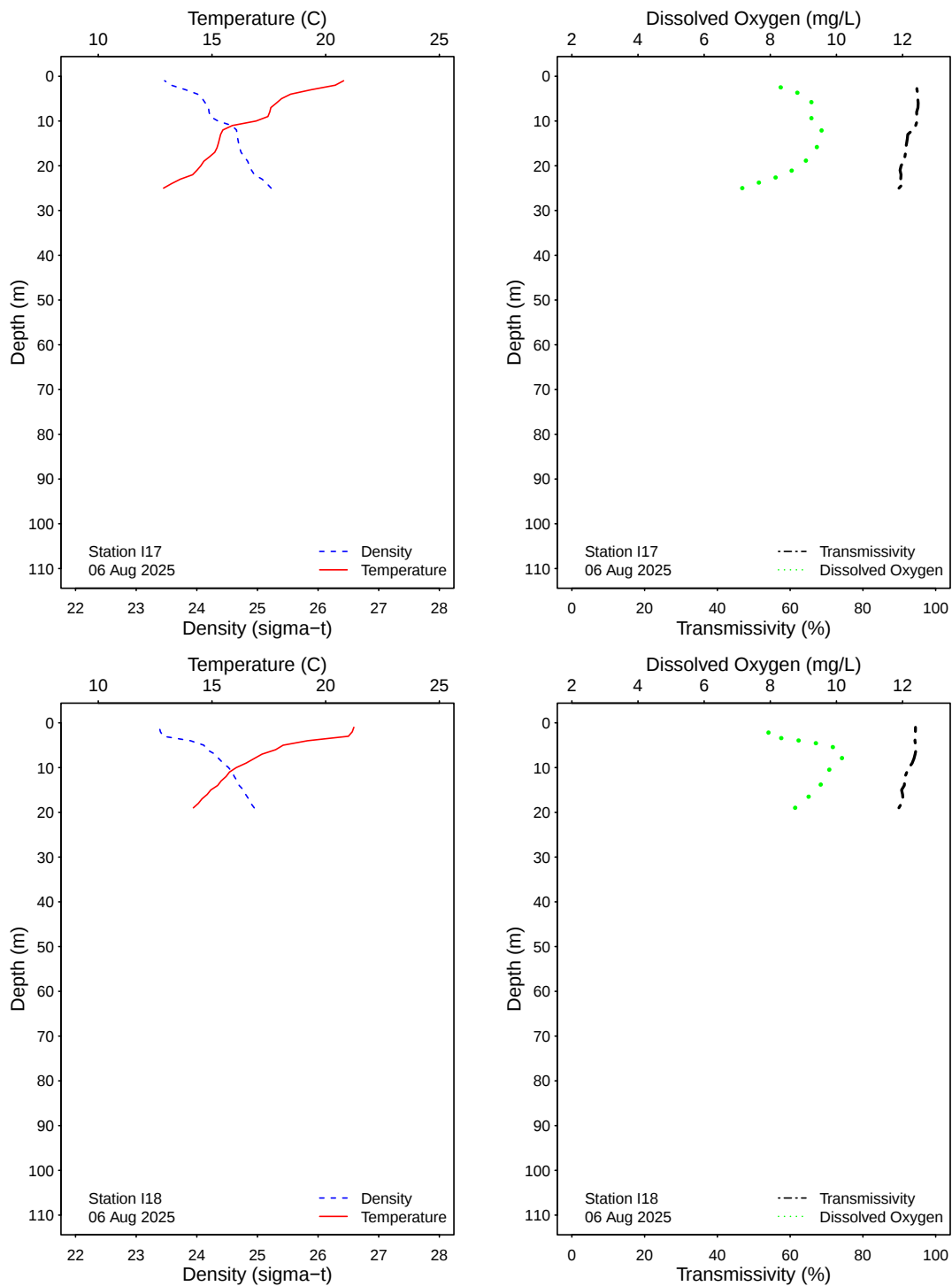


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

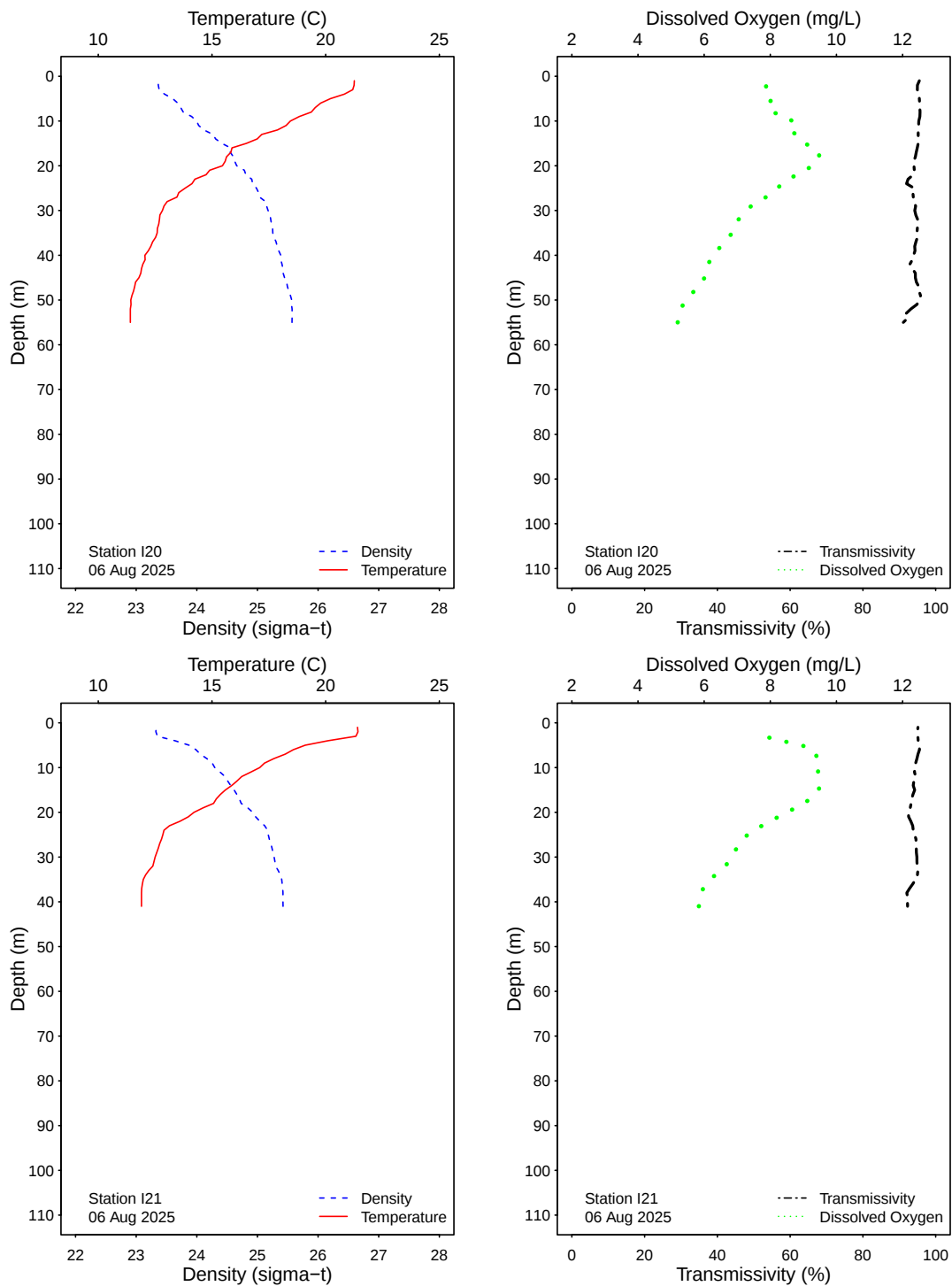


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

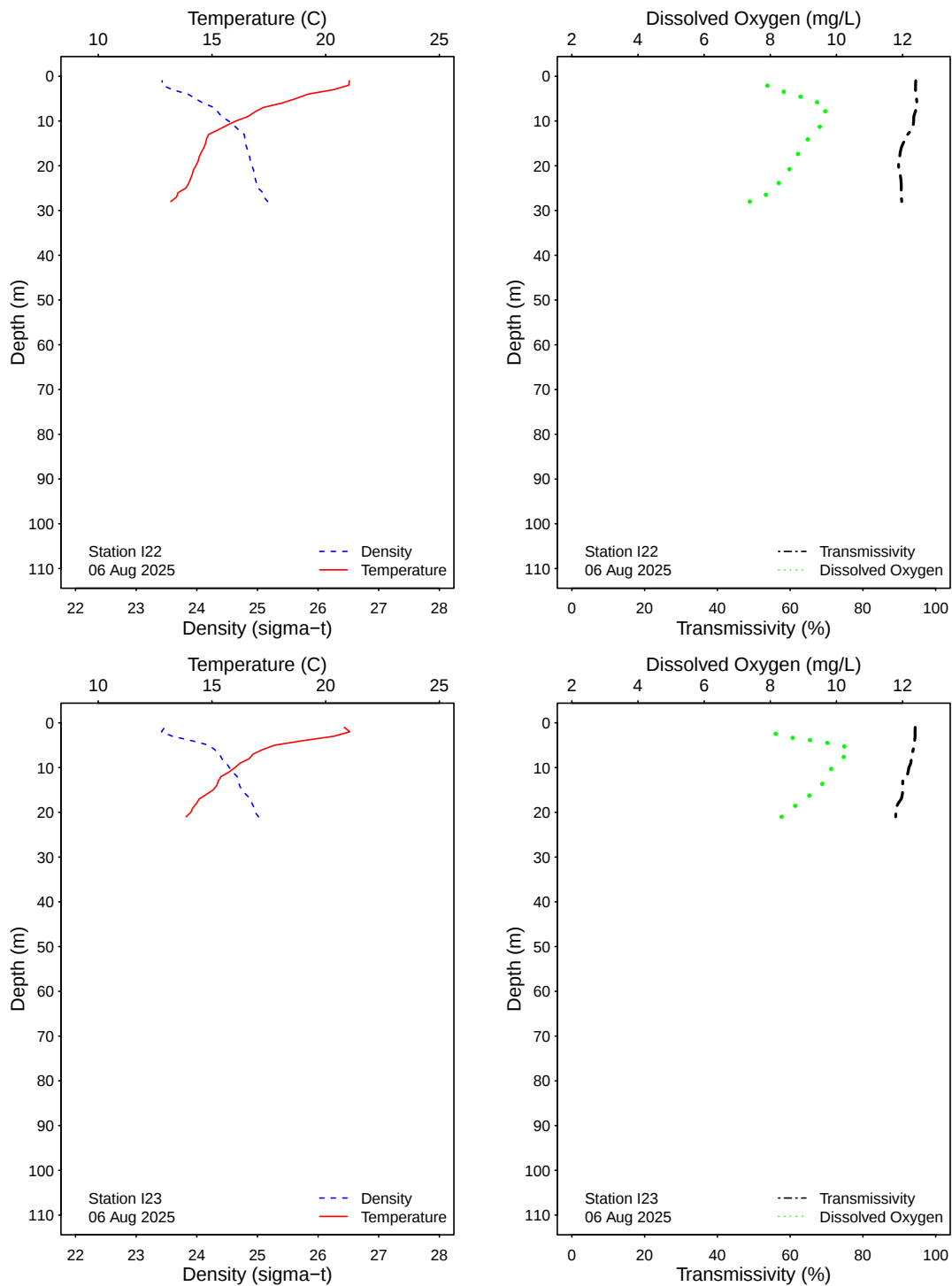


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

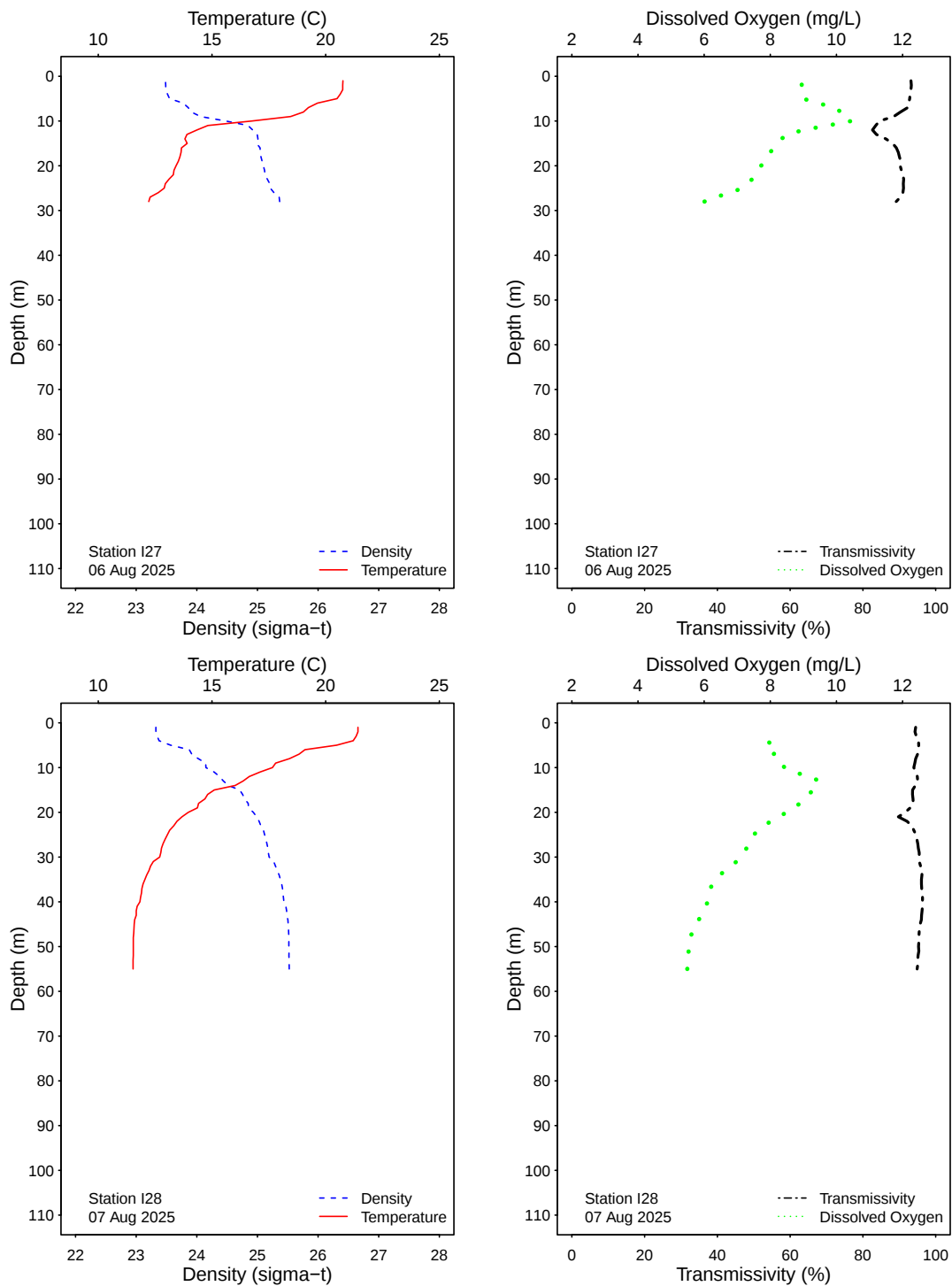


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

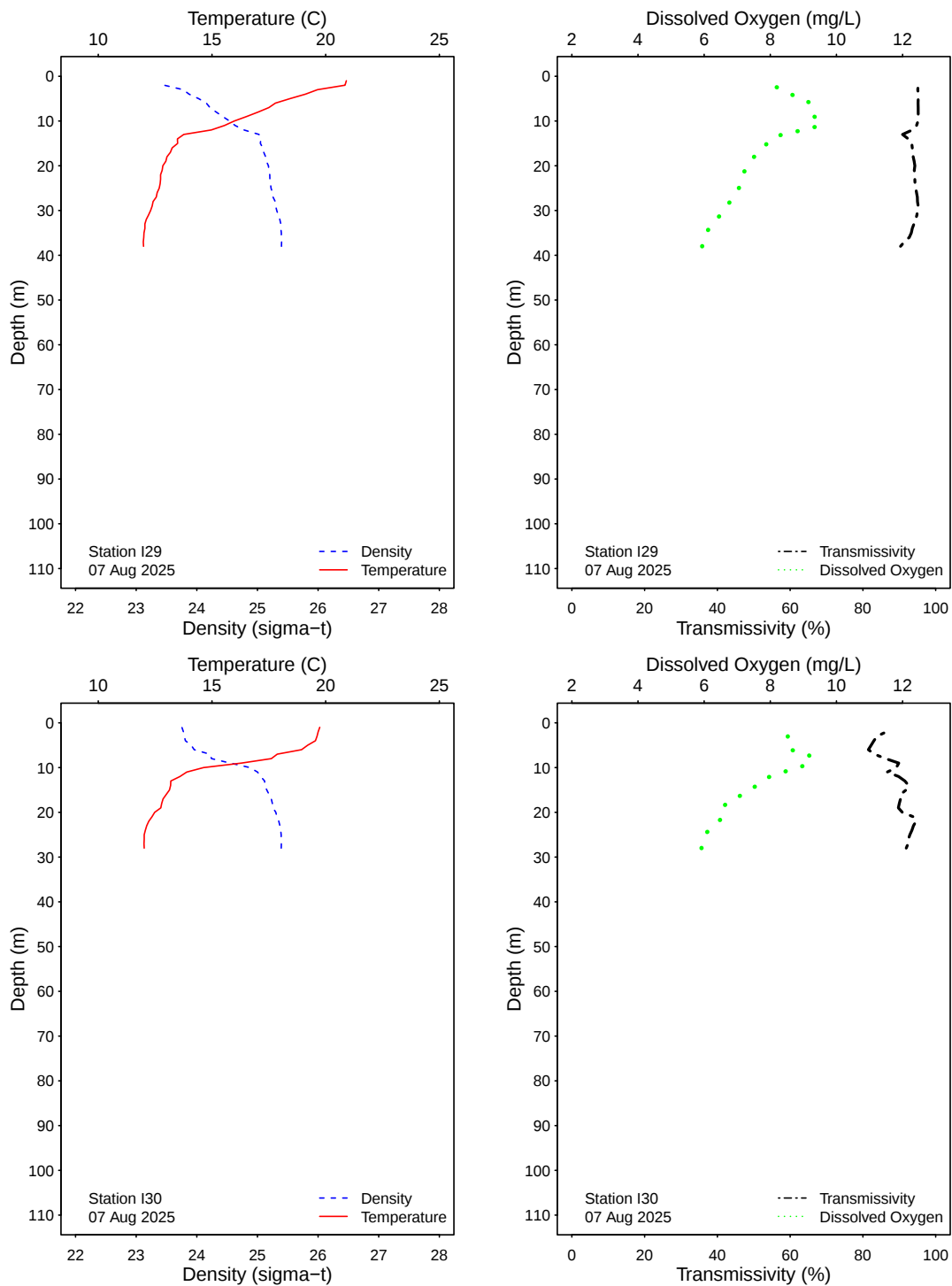


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

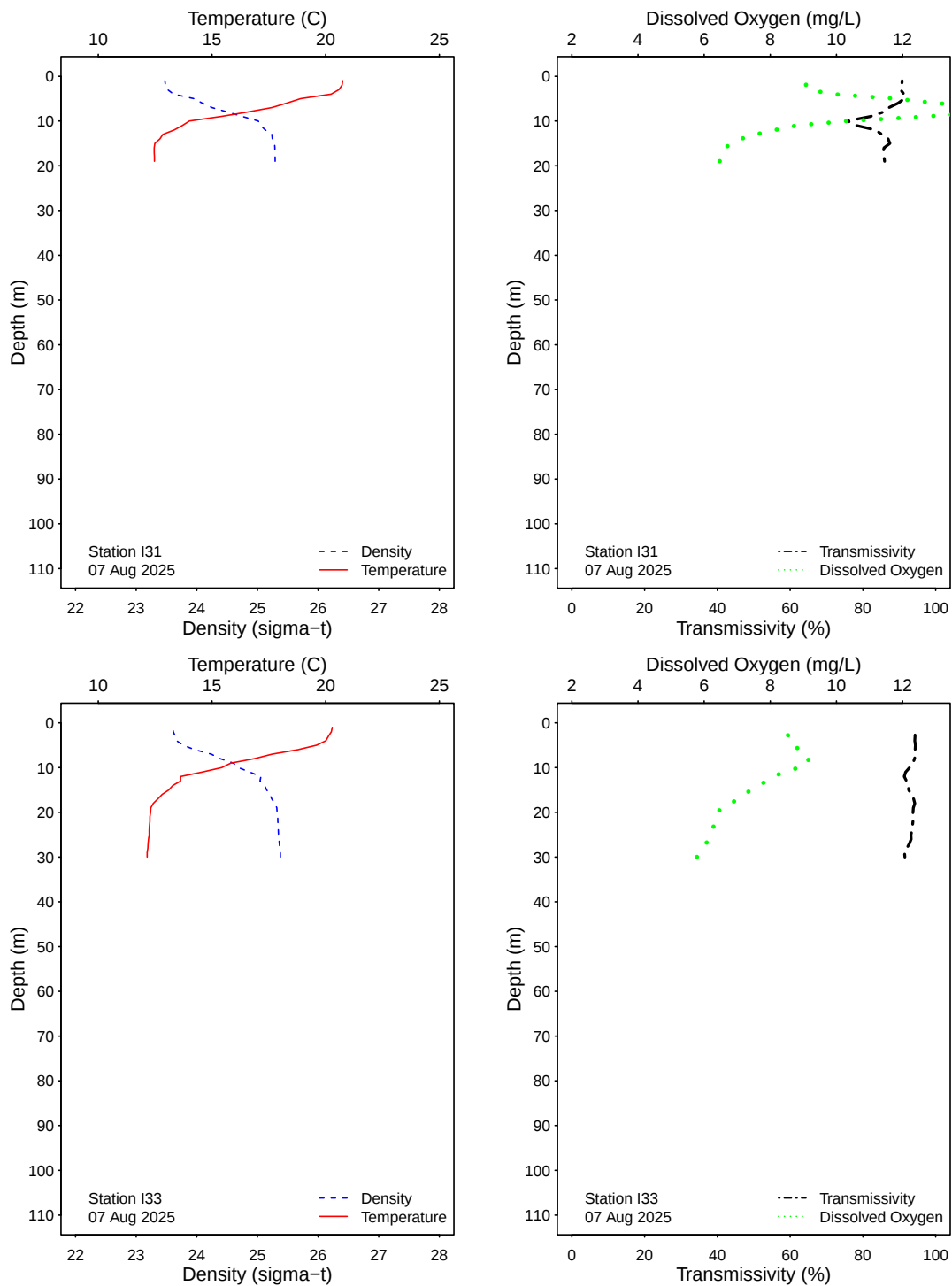


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

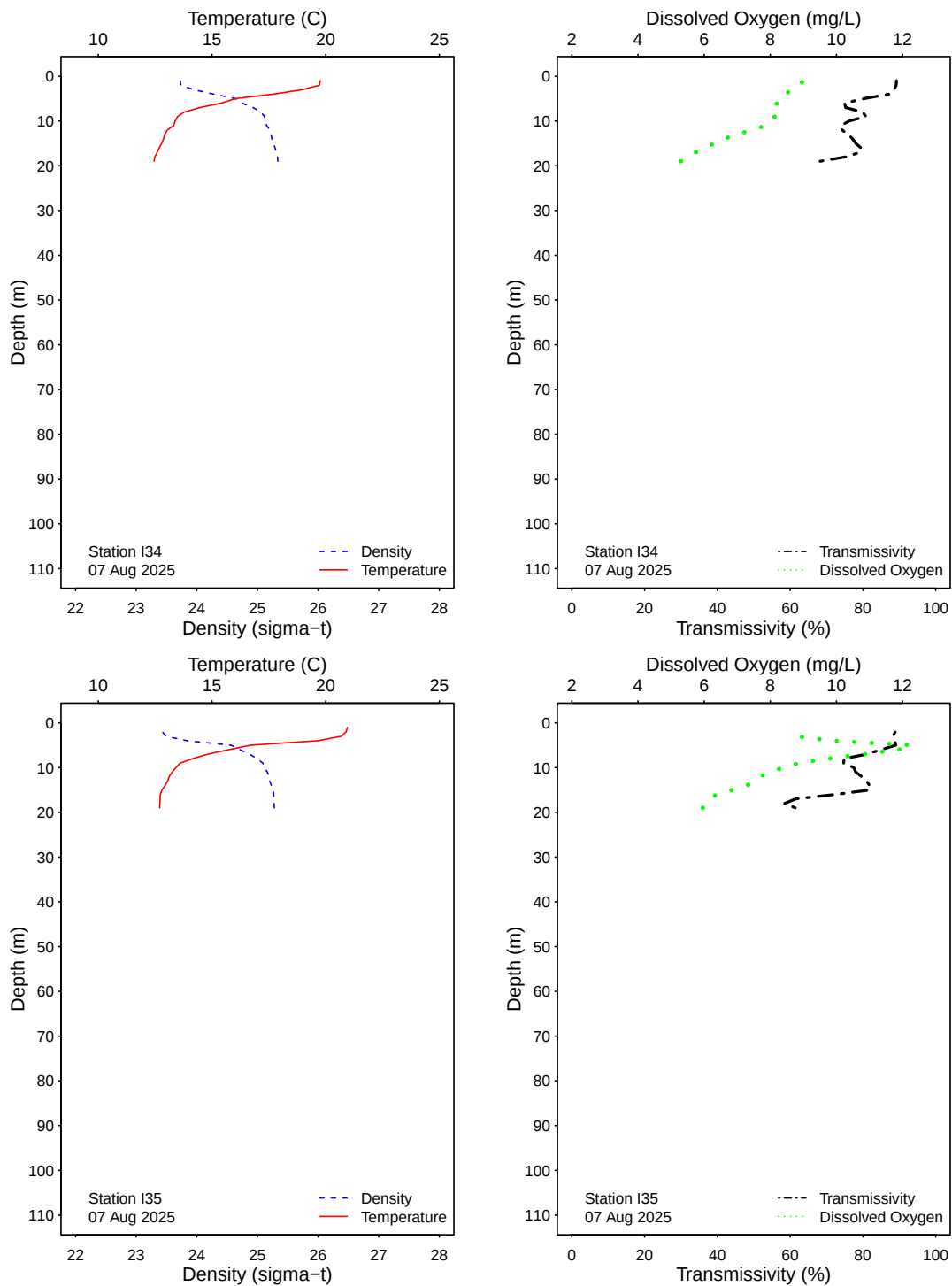


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

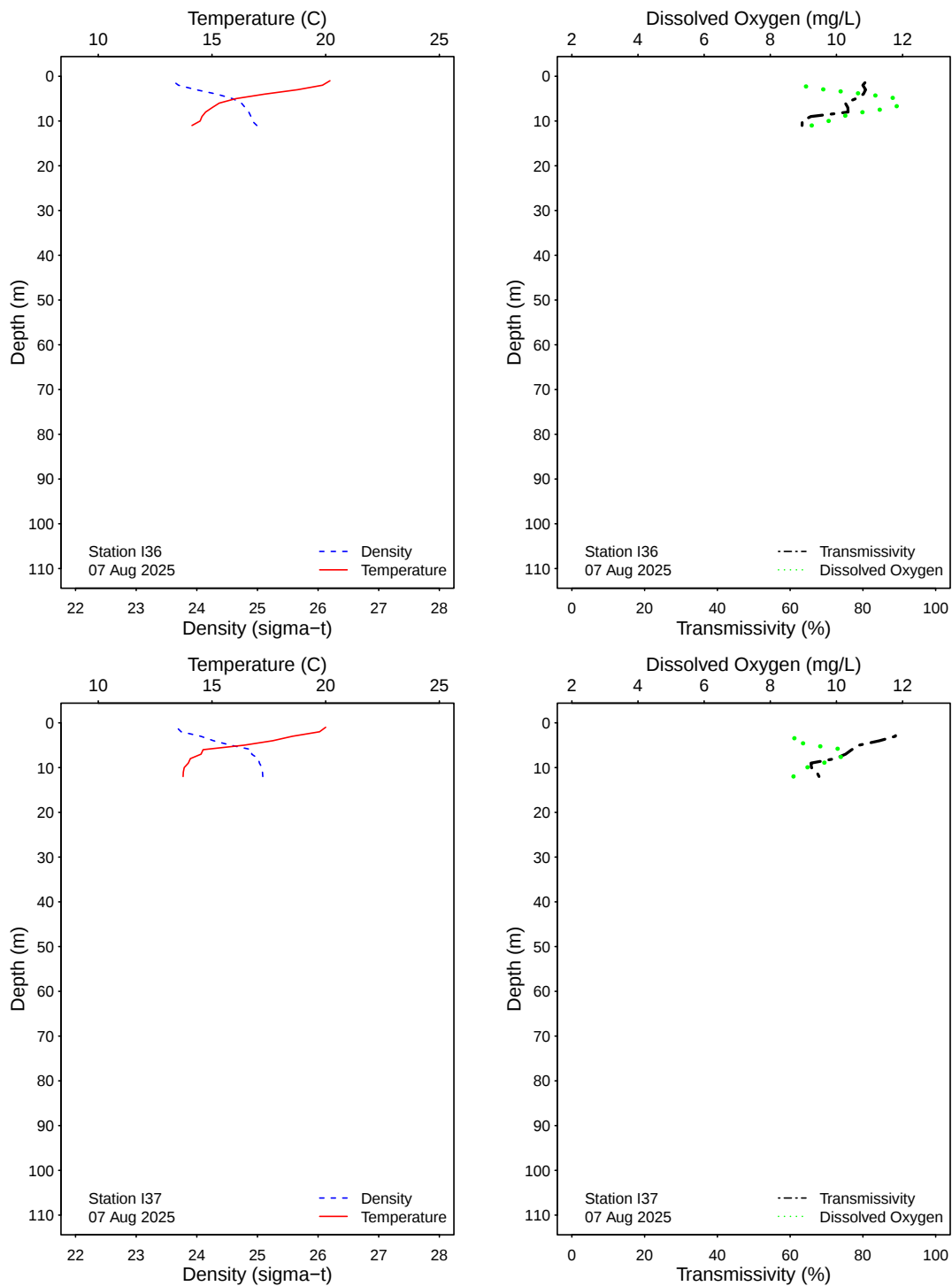


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

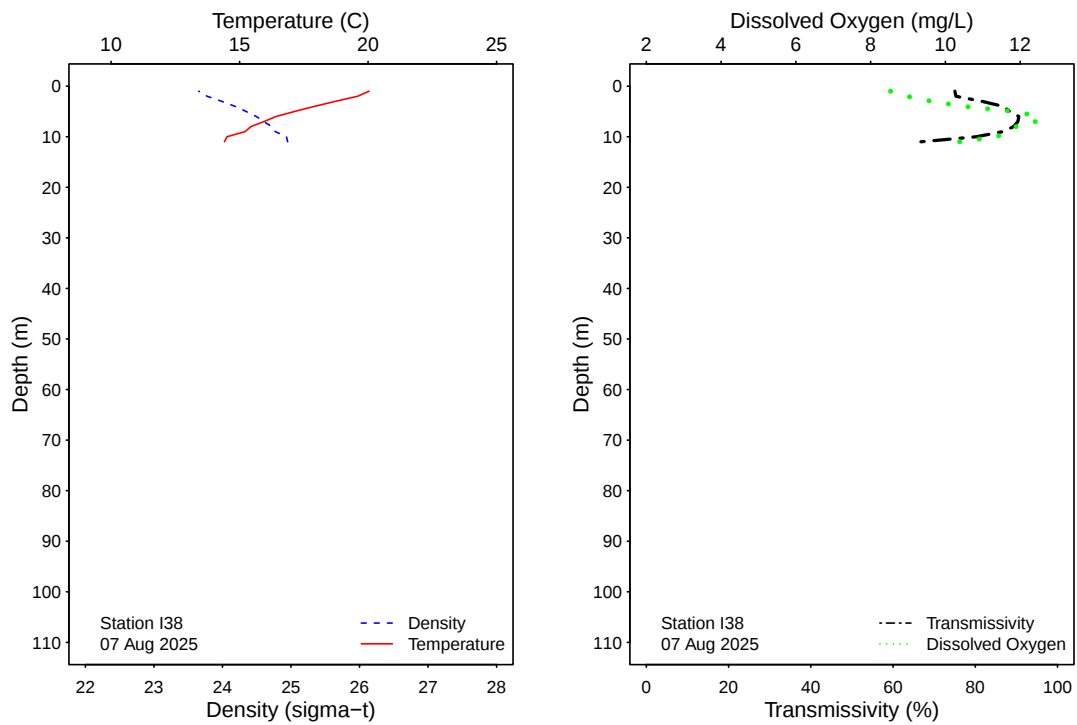


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

APPENDIX A

Quality Assurance

Table A.1

Summary of bacteriological quality assurance field and lab duplicate sample analyses at selected SBOO stations. Densities of total coliform (Total), fecal coliform (Fecal), and *Enterococcus* (Entero) are reported as CFU/100 mL.

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Entero
I3	05 Aug 2025	18	ADG	LAB DUPLICATE	6	2	2
I9	05 Aug 2025	27	ADG	LAB DUPLICATE	16	8	4
I8	05 Aug 2025	37	ADG	LAB DUPLICATE	2	2	2
I12	06 Aug 2025	18	KT	LAB DUPLICATE	200	28	16
I19	04 Aug 2025	6	KT	LAB DUPLICATE	2	2	2
I19	11 Aug 2025	6	ADG	LAB DUPLICATE	20	2	2
I19	18 Aug 2025	6	KT	LAB DUPLICATE	22	2	2
I19	26 Aug 2025	6	NCD	LAB DUPLICATE	20	2	2
I13	06 Aug 2025	18	KT	LAB DUPLICATE	2	2	2
I16	06 Aug 2025	18	KT	LAB DUPLICATE	2	2	2
I40	04 Aug 2025	6	KT	LAB DUPLICATE	2	2	2
I40	11 Aug 2025	6	ADG	LAB DUPLICATE	2	2	2
I40	18 Aug 2025	6	KT	LAB DUPLICATE	10	2	4
I40	26 Aug 2025	6	NCD	LAB DUPLICATE	20	2	2
S12	05 Aug 2025		JF	FIELD DUPLICATE	7200	240	200
S12	05 Aug 2025		JF	LAB DUPLICATE	9000	240	220
S12	12 Aug 2025		KT	FIELD DUPLICATE	3200	260	120
S12	12 Aug 2025		KT	LAB DUPLICATE	3000	180	110
S12	19 Aug 2025		KT	LAB DUPLICATE	20	16	4
S12	19 Aug 2025		KT	FIELD DUPLICATE	20	8	2
S12	21 Aug 2025		KT	FIELD DUPLICATE	ns	60	ns
S12	21 Aug 2025		KT	LAB DUPLICATE	ns	96	ns
S12	26 Aug 2025		KT	FIELD DUPLICATE	1300	110	84
S12	26 Aug 2025		KT	LAB DUPLICATE	3000	300	100
I30	07 Aug 2025	27	NCD	LAB DUPLICATE	2	2	2
I36	07 Aug 2025	11	NCD	LAB DUPLICATE	20	2	2
I36	07 Aug 2025	11	NCD	FIELD DUPLICATE	2	2	2

ns = not sampled

ND = no data

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