SD Public Utilities

SOUTH BAY OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

SOUTH BAY WATER RECLAMATION PLANT

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

FEBRUARY 2024

Environmental Monitoring and Technical Services
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CERTIFIED
Public Utilities Department
Continual Improvement, Prevention of Pollution, Regulatory Compliance
ISO 14001

The City of SAN DIEGO
Public Utilities Department
Environmental Monitoring & Technical Services Division

March 31, 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 February 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:

<u>Water-Contact Objectives</u>

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 E*nterococci* 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

<u>Shellfish Harvesting Standards</u>

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, 1987[2]) 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 February**,** six 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 30-day running geometric mean standard for fecal coliforms was exceeded at stations S4, S5, S6, S10, S11, and S12.
    - The single sample maximum (SSM) standard for fecal coliforms was exceeded at stations S4, S5, S6, S10, S11, and S12
    - The 6-week running geometric mean standard for *Enterococcus* was exceeded at stations S4, S5, S6, S10, S11, and S12.
    - The statistical threshold value (STV) standard for *Enterococcus* was exceeded at stations S4, S5, S6, S10, S11, and S12.

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

        - The 30-day running median standard for total coliforms was exceeded at stations S4, S5, S6, S10, S11, and S12.
        - The STV standard for total coliforms was exceeded at stations S4, S5, S6, S10, S11, and S12.
    - A sewage-like odor was observed at stations S4, S5, S6, S10, S11, and S12 on one or more days in February.
    - 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 February 3, 10, 19, and 24.
    - During November, each of the seven kelp bed stations was out of compliance with the various 2019 Ocean Plan water contact standards on one or more days as follows:
        - The 30-day running geometric mean standard for fecal coliforms was exceeded at stations I19, I24, and I40.
        - The SSM standard for fecal coliforms was exceeded at stations I19, I24, I25, I39, and I40.
        - The 6-week running geometric mean standard for *Enterococcus* was exceeded at stations I19, I24, and I40.
        - The STV standard for *Enterococcus* was exceeded at stations I19, I24, I25, and I40.
        - The 30-day running median standard for total coliforms was exceeded at stations I19, I24, I25, I26, I32, I39, and I40.
        - The STV standard for total coliforms was exceeded at stations I19, I24, I25, I26, I32, I39, and I40.
    - Water column temperatures ranged from 11.73 to 15.04°C. The difference between surface and bottom waters ranged from 0.42 to 2.40°C.
    - Concentrations of chlorophyll *a* ranged from 0.13 to 10.17 µg/L at the kelp bed stations.
    - A sewage-like odor was observed at station I40 on one or more days in February.

- **Offshore Water Quality Sampling**
    - Quarterly offshore water quality sampling was conducted over three days during the month (i.e., February 4, 5, and 6).
    - During February, six of the ten offshore stations located within State jurisdictional waters (i.e., I12, I14, I16, I18, I22, I23, I33, I36–I38) were out of compliance with the various 2019 Ocean Plan water contact standards on one or more days as follows:

        - The STV standard for total coliforms was exceeded at stations I12, I14, I16, I22 and I36.
    - Water column temperatures ranged from 11.43 to 14.00°C at the offshore sites. The difference between surface and bottom waters ranged from 0.89 to 2.43°C.
    - Chlorophyll *a* concentrations ranged from 0.11 to 6.88 µg/L at the offshore sites.
    - Nothing of sewage origin was observed at SBOO offshore stations in February.
    - CDOM data are available upon request.

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TABLES AND FIGURES

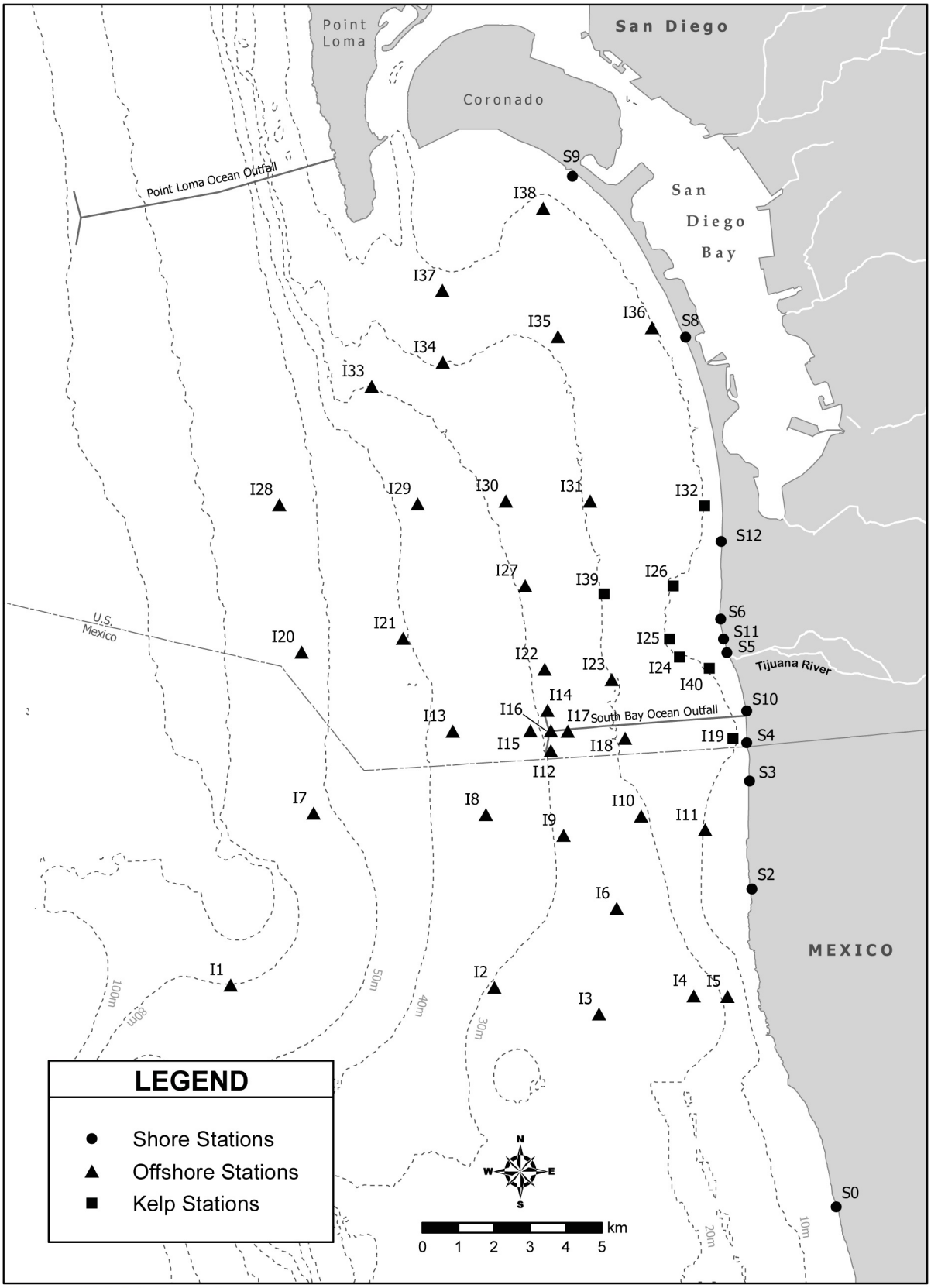

Figure 1.1 Station Map

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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 Feb 2025	*12	***6172**	*44	*2	*3	*34	*47	*26
02 Feb 2025	*12	***6172**	*44	*2	*3	*34	*47	*26
03 Feb 2025	*12	***6172**	*44	*2	*3	*34	*47	*26
04 Feb 2025	24	**7050**	74	2	3	67	139	21
05 Feb 2025	24	**7050**	74	2	3	67	139	21
06 Feb 2025	*19	***6172**	*39	*2	*3	*34	*85	*8
07 Feb 2025	*19	***6172**	*39	*2	*3	*34	*85	*8
08 Feb 2025	*19	***6172**	*39	*2	*3	*34	*85	*8
09 Feb 2025	*19	***6172**	*39	*2	*3	*34	*85	*8
10 Feb 2025	*19	***6172**	*39	*2	*3	*34	*85	*8
11 Feb 2025	50	**7050**	124	2	4	88	**229**	35
12 Feb 2025	50	**7050**	124	2	4	88	**229**	35
13 Feb 2025	*113	***12000**	***346**	*2	*3	***225**	***750**	*60
14 Feb 2025	*113	***12000**	***346**	*2	*3	***225**	***750**	*60
15 Feb 2025	*113	***12000**	***346**	*2	*3	***225**	***750**	*60
16 Feb 2025	*113	***12000**	***346**	*2	*3	***225**	***750**	*60
17 Feb 2025	*113	***12000**	***346**	*2	*3	***225**	***750**	*60
18 Feb 2025	175	**12000**	**470**	2	3	**334**	**810**	138
19 Feb 2025	175	**12000**	**470**	2	3	**334**	**810**	138
20 Feb 2025	***449**	***12000**	***1842**	*2	*3	***332**	***3633**	***399**
21 Feb 2025	***449**	***12000**	***1842**	*2	*3	***332**	***3633**	***399**
22 Feb 2025	***449**	***12000**	***1842**	*2	*3	***332**	***3633**	***399**
23 Feb 2025	***449**	***12000**	***1842**	*2	*3	***332**	***3633**	***399**
24 Feb 2025	***449**	***12000**	***1842**	*2	*3	***332**	***3633**	***399**
25 Feb 2025	**318**	**12000**	**621**	2	5	**396**	**1117**	**219**
26 Feb 2025	**318**	**12000**	**621**	2	5	**396**	**1117**	**219**
27 Feb 2025	***556**	***12000**	***551**	*2	*6	***1485**	***1098**	***296**
28 Feb 2025	***556**	***12000**	***551**	*2	*6	***1485**	***1098**	***296**

* 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
04 Feb 2025	**E**	**E**	**E**	IC	IC	**E**	**E**	IC
11 Feb 2025	**E**	**E**	**E**	IC	IC	**E**	**E**	**E**
18 Feb 2025	**E**	**E**	**E**	IC	IC	**E**	**E**	**E**
25 Feb 2025	IC	**E**	IC	IC	IC	**E**	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 Feb 2025	**51**	**1968**	16	2	3	**201**	19	12
02 Feb 2025	**51**	**1968**	16	2	3	**201**	19	12
03 Feb 2025	26	**1371**	25	2	3	**99**	25	17
04 Feb 2025	**37**	**1968**	**42**	2	3	**135**	**54**	18
05 Feb 2025	**37**	**1968**	**42**	2	3	**135**	**54**	18
06 Feb 2025	**37**	**1968**	**42**	2	3	**135**	**54**	18
07 Feb 2025	**37**	**1968**	**42**	2	3	**135**	**54**	18
08 Feb 2025	**37**	**1968**	**42**	2	3	**135**	**54**	18
09 Feb 2025	**37**	**1968**	**42**	2	3	**135**	**54**	18
10 Feb 2025	**42**	**4927**	**76**	2	3	**104**	**105**	27
11 Feb 2025	**78**	**5447**	**171**	2	3	**156**	**227**	**65**
12 Feb 2025	**78**	**5447**	**171**	2	3	**156**	**227**	**65**
13 Feb 2025	**78**	**5447**	**171**	2	3	**156**	**227**	**65**
14 Feb 2025	**78**	**5447**	**171**	2	3	**156**	**227**	**65**
15 Feb 2025	**78**	**5447**	**171**	2	3	**156**	**227**	**65**
16 Feb 2025	**78**	**5447**	**171**	2	3	**156**	**227**	**65**
17 Feb 2025	**78**	**5447**	**171**	2	3	**156**	**227**	**65**
18 Feb 2025	**92**	**5447**	**136**	2	3	**141**	**214**	**71**
19 Feb 2025	**92**	**5447**	**136**	2	3	**141**	**214**	**71**
20 Feb 2025	**92**	**5447**	**136**	2	3	**141**	**214**	**71**
21 Feb 2025	**92**	**5447**	**136**	2	3	**141**	**214**	**71**
22 Feb 2025	**92**	**5447**	**136**	2	3	**141**	**214**	**71**
23 Feb 2025	**92**	**5447**	**136**	2	3	**141**	**214**	**71**
24 Feb 2025	**92**	**5447**	**136**	2	3	**141**	**214**	**71**
25 Feb 2025	**152**	**11438**	**202**	2	3	**385**	**302**	**89**
26 Feb 2025	**152**	**11438**	**202**	2	3	**385**	**302**	**89**
27 Feb 2025	**152**	**11438**	**202**	2	3	**385**	**302**	**89**
28 Feb 2025	**152**	**11438**	**202**	2	3	**385**	**302**	**89**

* 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
February	**E**	**E**	**E**	IC	IC	**E**	**E**	**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 Feb 2025	*60	***16000**	***1110**	*2	*4	***560**	***1810**	***802**
02 Feb 2025	*60	***16000**	***1110**	*2	*4	***560**	***1810**	***802**
03 Feb 2025	*60	***16000**	***1110**	*2	*4	***560**	***1810**	***802**
04 Feb 2025	60	**16000**	**2200**	2	2	**1000**	**3600**	40
05 Feb 2025	60	**16000**	**2200**	2	2	**1000**	**3600**	40
06 Feb 2025	*60	***16000**	***3910**	*2	*4	***560**	***8010**	*22
07 Feb 2025	*60	***16000**	***3910**	*2	*4	***560**	***8010**	*22
08 Feb 2025	*60	***16000**	***3910**	*2	*4	***560**	***8010**	*22
09 Feb 2025	*60	***16000**	***3910**	*2	*4	***560**	***8010**	*22
10 Feb 2025	*60	***16000**	***3910**	*2	*4	***560**	***8010**	*22
11 Feb 2025	60	**16000**	**7800**	2	6	**1000**	**16000**	40
12 Feb 2025	60	**16000**	**7800**	2	6	**1000**	**16000**	40
13 Feb 2025	***2230**	***16000**	***11900**	*2	*11	***6000**	***16000**	***820**
14 Feb 2025	***2230**	***16000**	***11900**	*2	*11	***6000**	***16000**	***820**
15 Feb 2025	***2230**	***16000**	***11900**	*2	*11	***6000**	***16000**	***820**
16 Feb 2025	***2230**	***16000**	***11900**	*2	*11	***6000**	***16000**	***820**
17 Feb 2025	***2230**	***16000**	***11900**	*2	*11	***6000**	***16000**	***820**
18 Feb 2025	**4400**	**16000**	**15000**	2	2	**11000**	**16000**	**1600**
19 Feb 2025	**4400**	**16000**	**15000**	2	2	**11000**	**16000**	**1600**
20 Feb 2025	***8700**	***16000**	***15500**	*3	*2	***12500**	***16000**	***8800**
21 Feb 2025	***8700**	***16000**	***15500**	*3	*2	***12500**	***16000**	***8800**
22 Feb 2025	***8700**	***16000**	***15500**	*3	*2	***12500**	***16000**	***8800**
23 Feb 2025	***8700**	***16000**	***15500**	*3	*2	***12500**	***16000**	***8800**
24 Feb 2025	***8700**	***16000**	***15500**	*3	*2	***12500**	***16000**	***8800**
25 Feb 2025	**4400**	**16000**	**15000**	2	2	**11000**	**16000**	**1600**
26 Feb 2025	**4400**	**16000**	**15000**	2	2	**11000**	**16000**	**1600**
27 Feb 2025	***8700**	***16000**	***11400**	*2	*11	***12500**	***14500**	***8020**
28 Feb 2025	***8700**	***16000**	***11400**	*2	*11	***12500**	***14500**	***8020**

* 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
February	**E**	**E**	**E**	IC	IC	**E**	**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	04 Feb 2025	815	4800	680	760
S0	11 Feb 2025	815	>16000	6200	5600
S0	18 Feb 2025	755	>16000	9400	7800
S0	25 Feb 2025	825	>16000	3000e	3200e
S10	04 Feb 2025	1043	11000	1000	620
S10	11 Feb 2025	849	14000	3800e	1200e
S10	18 Feb 2025	1135	>16000	1600e	480
S10	25 Feb 2025	1109	5400	800e	840
S11	04 Feb 2025	924	>16000	11000	2400e
S11	11 Feb 2025	916	>16000	>12000	11000
S11	18 Feb 2025	1037	13000	1100	180e
S11	25 Feb 2025	1005	<20	10e	16e
S12	04 Feb 2025	849	40e	8e	20e
S12	11 Feb 2025	816	>16000	>12000	5000
S12	18 Feb 2025	924	>16000	4000	660
S12	25 Feb 2025	851	<20	<20	8e
S2	04 Feb 2025	945	1100	160e	100
S2	11 Feb 2025	925	60e	12e	40e
S2	18 Feb 2025	910	4200	460	80e
S2	25 Feb 2025	935	5800	840	380e
S3	04 Feb 2025	900	1400e	500	40e
S3	11 Feb 2025	845	7000	1600e	980
S3	18 Feb 2025	845	8000	1100	140e
S3	25 Feb 2025	900	7600	1800e	1100
S4	04 Feb 2025	1101	4400	460	220e
S4	11 Feb 2025	911	14000	2600e	1800e
S4	18 Feb 2025	1159	13000	1000	240e
S4	25 Feb 2025	1128	400	80e	40e
S5	04 Feb 2025	945	>16000	>12000	>12000
S5	11 Feb 2025	853	>16000	>12000	9000
S5	18 Feb 2025	1012	>16000	>12000	>12000
S5	25 Feb 2025	945	>16000	>12000	>12000
S6	04 Feb 2025	912	7800	600e	540
S6	11 Feb 2025	928	>16000	>12000	9600
S6	18 Feb 2025	1051	15000	1600e	100
S6	25 Feb 2025	1023	6e	8e	22e
S8	04 Feb 2025	826	<2	2e	<2
S8	11 Feb 2025	816	2e	<2	<2
S8	18 Feb 2025	902	<20	2e	<2
S8	25 Feb 2025	835	2e	<2	4e
S9	04 Feb 2025	806	2e	4e	2e
S9	11 Feb 2025	801	<20	8e	6e
S9	18 Feb 2025	843	2e	<2	<2
S9	25 Feb 2025	820	40e	24e	8e

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	04 Feb 2025	Arrive Time	815
S0	04 Feb 2025	Wind Speed (kts)	0
S0	04 Feb 2025	Wind Dir	XX
S0	04 Feb 2025	Animal Life	Seagull-20;
S0	04 Feb 2025	Floatables	
S0	04 Feb 2025	Current Direction	S
S0	04 Feb 2025	Water Temp (C)	12
S0	04 Feb 2025	High Tide Time	
S0	04 Feb 2025	Low Tide Time	
S0	04 Feb 2025	Comments	Water turbid; Trash-0; Kelp;Algae; 2.0 L/sec water flowing from storm drain
S0	11 Feb 2025	Arrive Time	815
S0	11 Feb 2025	Wind Speed (kts)	0
S0	11 Feb 2025	Wind Dir	XX
S0	11 Feb 2025	Animal Life	
S0	11 Feb 2025	Floatables	
S0	11 Feb 2025	Current Direction	S
S0	11 Feb 2025	Water Temp (C)	11
S0	11 Feb 2025	High Tide Time	
S0	11 Feb 2025	Low Tide Time	
S0	11 Feb 2025	Comments	Water turbid; Trash-0; Algae;Kelp; Approximetly 2 L/sec water flow from storm drain
S0	18 Feb 2025	Arrive Time	755
S0	18 Feb 2025	Wind Speed (kts)	0
S0	18 Feb 2025	Wind Dir	XX
S0	18 Feb 2025	Animal Life	Dog-2; Seagull-20;
S0	18 Feb 2025	Floatables	
S0	18 Feb 2025	Current Direction	S
S0	18 Feb 2025	Water Temp (C)	12
S0	18 Feb 2025	High Tide Time	
S0	18 Feb 2025	Low Tide Time	
S0	18 Feb 2025	Comments	Water turbid; Trash-0; Kelp; 2.0 L/sec water flowing from storm drain
S0	25 Feb 2025	Arrive Time	825
S0	25 Feb 2025	Wind Speed (kts)	0
S0	25 Feb 2025	Wind Dir	XX
S0	25 Feb 2025	Animal Life	Seagull-20;
S0	25 Feb 2025	Floatables	
S0	25 Feb 2025	Current Direction	S
S0	25 Feb 2025	Water Temp (C)	13
S0	25 Feb 2025	High Tide Time	
S0	25 Feb 2025	Low Tide Time	
S0	25 Feb 2025	Comments	Water turbid; Trash-0; Kelp; 2.0 L/sec water flowing from storm drain
S2	04 Feb 2025	Arrive Time	945
S2	04 Feb 2025	Wind Speed (kts)	0
S2	04 Feb 2025	Wind Dir	XX
S2	04 Feb 2025	Animal Life	Dog-2; Seagull-20;
S2	04 Feb 2025	Floatables	
S2	04 Feb 2025	Current Direction	S
S2	04 Feb 2025	Water Temp (C)	13
S2	04 Feb 2025	High Tide Time	

Station	Date	Parameter	Value
S2	04 Feb 2025	Low Tide Time	
S2	04 Feb 2025	Comments	Water turbid; Trash-0; Kelp;Algae; No water flow from storm drain
S2	11 Feb 2025	Arrive Time	925
S2	11 Feb 2025	Wind Speed (kts)	0
S2	11 Feb 2025	Wind Dir	XX
S2	11 Feb 2025	Animal Life	Dog-2;
S2	11 Feb 2025	Floatables	
S2	11 Feb 2025	Current Direction	S
S2	11 Feb 2025	Water Temp (C)	12
S2	11 Feb 2025	High Tide Time	
S2	11 Feb 2025	Low Tide Time	
S2	11 Feb 2025	Comments	Water turbid; Trash-0; Kelp; Algae; No water flow from storm drain
S2	18 Feb 2025	Arrive Time	910
S2	18 Feb 2025	Wind Speed (kts)	0
S2	18 Feb 2025	Wind Dir	XX
S2	18 Feb 2025	Animal Life	Dog-3; Seagull-20;
S2	18 Feb 2025	Floatables	
S2	18 Feb 2025	Current Direction	S
S2	18 Feb 2025	Water Temp (C)	12
S2	18 Feb 2025	High Tide Time	
S2	18 Feb 2025	Low Tide Time	
S2	18 Feb 2025	Comments	Water turbid; Trash-0; Kelp; No flow from storm drain.
S2	25 Feb 2025	Arrive Time	935
S2	25 Feb 2025	Wind Speed (kts)	0
S2	25 Feb 2025	Wind Dir	XX
S2	25 Feb 2025	Animal Life	Dog-5; Seagull-20;
S2	25 Feb 2025	Floatables	
S2	25 Feb 2025	Current Direction	S
S2	25 Feb 2025	Water Temp (C)	14
S2	25 Feb 2025	High Tide Time	
S2	25 Feb 2025	Low Tide Time	
S2	25 Feb 2025	Comments	Water turbid; Trash-0; Kelp; No flow from storm drain
S3	04 Feb 2025	Arrive Time	900
S3	04 Feb 2025	Wind Speed (kts)	0
S3	04 Feb 2025	Wind Dir	XX
S3	04 Feb 2025	Animal Life	Seagull-20;
S3	04 Feb 2025	Floatables	
S3	04 Feb 2025	Current Direction	S
S3	04 Feb 2025	Water Temp (C)	13
S3	04 Feb 2025	High Tide Time	
S3	04 Feb 2025	Low Tide Time	
S3	04 Feb 2025	Comments	Water turbid; Trash-0; No water flow from storm drain
S3	11 Feb 2025	Arrive Time	845
S3	11 Feb 2025	Wind Speed (kts)	0
S3	11 Feb 2025	Wind Dir	XX
S3	11 Feb 2025	Animal Life	
S3	11 Feb 2025	Floatables	
S3	11 Feb 2025	Current Direction	S
S3	11 Feb 2025	Water Temp (C)	12
S3	11 Feb 2025	High Tide Time	
S3	11 Feb 2025	Low Tide Time	
S3	11 Feb 2025	Comments	Water turbid; Trash-0; No water flow from storm drain
S3	18 Feb 2025	Arrive Time	845

Station	Date	Parameter	Value
S3	18 Feb 2025	Wind Speed (kts)	0
S3	18 Feb 2025	Wind Dir	XX
S3	18 Feb 2025	Animal Life	Seagull-20;
S3	18 Feb 2025	Floatables	
S3	18 Feb 2025	Current Direction	S
S3	18 Feb 2025	Water Temp (C)	12
S3	18 Feb 2025	High Tide Time	
S3	18 Feb 2025	Low Tide Time	
S3	18 Feb 2025	Comments	Water turbid; Trash-0; Kelp; No flow from storm drain.
S3	25 Feb 2025	Arrive Time	900
S3	25 Feb 2025	Wind Speed (kts)	0
S3	25 Feb 2025	Wind Dir	XX
S3	25 Feb 2025	Animal Life	
S3	25 Feb 2025	Floatables	
S3	25 Feb 2025	Current Direction	S
S3	25 Feb 2025	Water Temp (C)	13
S3	25 Feb 2025	High Tide Time	
S3	25 Feb 2025	Low Tide Time	
S3	25 Feb 2025	Comments	Water turbid; Trash-0; No flow from storm drain
S4	04 Feb 2025	Arrive Time	1101
S4	04 Feb 2025	Wind Speed (kts)	2.1
S4	04 Feb 2025	Wind Dir	W
S4	04 Feb 2025	Animal Life	
S4	04 Feb 2025	Floatables	
S4	04 Feb 2025	Current Direction	S
S4	04 Feb 2025	Water Temp (C)	12.4
S4	04 Feb 2025	High Tide Time	
S4	04 Feb 2025	Low Tide Time	
S4	04 Feb 2025	Comments	Water clear; Trash-1; Kelp;Seagrass; Sewage-like odor
S4	11 Feb 2025	Arrive Time	911
S4	11 Feb 2025	Wind Speed (kts)	11.8
S4	11 Feb 2025	Wind Dir	W
S4	11 Feb 2025	Animal Life	
S4	11 Feb 2025	Floatables	
S4	11 Feb 2025	Current Direction	S
S4	11 Feb 2025	Water Temp (C)	12.6
S4	11 Feb 2025	High Tide Time	
S4	11 Feb 2025	Low Tide Time	
S4	11 Feb 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Debris
S4	18 Feb 2025	Arrive Time	1159
S4	18 Feb 2025	Wind Speed (kts)	9.2
S4	18 Feb 2025	Wind Dir	SW
S4	18 Feb 2025	Animal Life	
S4	18 Feb 2025	Floatables	
S4	18 Feb 2025	Current Direction	S
S4	18 Feb 2025	Water Temp (C)	15.6
S4	18 Feb 2025	High Tide Time	
S4	18 Feb 2025	Low Tide Time	
S4	18 Feb 2025	Comments	Water clear; Trash-4; Kelp;Seagrass;Debris; Sewage-like odor
S4	25 Feb 2025	Arrive Time	1128
S4	25 Feb 2025	Wind Speed (kts)	3.9
S4	25 Feb 2025	Wind Dir	W
S4	25 Feb 2025	Animal Life	
S4	25 Feb 2025	Floatables	
S4	25 Feb 2025	Current Direction	S

Station	Date	Parameter	Value
S4	25 Feb 2025	Water Temp (C)	15.2
S4	25 Feb 2025	High Tide Time	
S4	25 Feb 2025	Low Tide Time	
S4	25 Feb 2025	Comments	Water clear; Trash-1; Kelp;Seagrass
S10	04 Feb 2025	Arrive Time	1043
S10	04 Feb 2025	Wind Speed (kts)	1.3
S10	04 Feb 2025	Wind Dir	W
S10	04 Feb 2025	Animal Life	
S10	04 Feb 2025	Floatables	
S10	04 Feb 2025	Current Direction	S
S10	04 Feb 2025	Water Temp (C)	12.9
S10	04 Feb 2025	High Tide Time	
S10	04 Feb 2025	Low Tide Time	
S10	04 Feb 2025	Comments	Water clear; Trash-2; Seagrass;Kelp; Sewage-like odor
S10	11 Feb 2025	Arrive Time	849
S10	11 Feb 2025	Wind Speed (kts)	11.6
S10	11 Feb 2025	Wind Dir	W
S10	11 Feb 2025	Animal Life	
S10	11 Feb 2025	Floatables	
S10	11 Feb 2025	Current Direction	S
S10	11 Feb 2025	Water Temp (C)	13.8
S10	11 Feb 2025	High Tide Time	
S10	11 Feb 2025	Low Tide Time	
S10	11 Feb 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S10	18 Feb 2025	Arrive Time	1135
S10	18 Feb 2025	Wind Speed (kts)	8.1
S10	18 Feb 2025	Wind Dir	SW
S10	18 Feb 2025	Animal Life	
S10	18 Feb 2025	Floatables	
S10	18 Feb 2025	Current Direction	S
S10	18 Feb 2025	Water Temp (C)	16.1
S10	18 Feb 2025	High Tide Time	
S10	18 Feb 2025	Low Tide Time	
S10	18 Feb 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris; Sewage-like odor
S10	25 Feb 2025	Arrive Time	1109
S10	25 Feb 2025	Wind Speed (kts)	5.6
S10	25 Feb 2025	Wind Dir	W
S10	25 Feb 2025	Animal Life	
S10	25 Feb 2025	Floatables	
S10	25 Feb 2025	Current Direction	S
S10	25 Feb 2025	Water Temp (C)	15.1
S10	25 Feb 2025	High Tide Time	
S10	25 Feb 2025	Low Tide Time	
S10	25 Feb 2025	Comments	Water clear; Trash-3; Seagrass;Kelp; Sewage-like odor
S5	04 Feb 2025	Arrive Time	945
S5	04 Feb 2025	Wind Speed (kts)	2.9
S5	04 Feb 2025	Wind Dir	W
S5	04 Feb 2025	Animal Life	
S5	04 Feb 2025	Floatables	
S5	04 Feb 2025	Current Direction	S
S5	04 Feb 2025	Water Temp (C)	13.4
S5	04 Feb 2025	High Tide Time	
S5	04 Feb 2025	Low Tide Time	
S5	04 Feb 2025	Comments	Water turbid; Trash-1; Seagrass;Kelp; Sewage-like odor

Station	Date	Parameter	Value
S5	11 Feb 2025	Arrive Time	853
S5	11 Feb 2025	Wind Speed (kts)	11
S5	11 Feb 2025	Wind Dir	W
S5	11 Feb 2025	Animal Life	Bird-79;
S5	11 Feb 2025	Floatables	
S5	11 Feb 2025	Current Direction	S
S5	11 Feb 2025	Water Temp (C)	13.2
S5	11 Feb 2025	High Tide Time	
S5	11 Feb 2025	Low Tide Time	
S5	11 Feb 2025	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S5	18 Feb 2025	Arrive Time	1012
S5	18 Feb 2025	Wind Speed (kts)	6.4
S5	18 Feb 2025	Wind Dir	SW
S5	18 Feb 2025	Animal Life	Bird-66;
S5	18 Feb 2025	Floatables	
S5	18 Feb 2025	Current Direction	S
S5	18 Feb 2025	Water Temp (C)	13.9
S5	18 Feb 2025	High Tide Time	
S5	18 Feb 2025	Low Tide Time	
S5	18 Feb 2025	Comments	Water clear; Trash-4; Kelp;Seagrass;Debris; Sewage-like odor
S5	25 Feb 2025	Arrive Time	945
S5	25 Feb 2025	Wind Speed (kts)	3.3
S5	25 Feb 2025	Wind Dir	W
S5	25 Feb 2025	Animal Life	
S5	25 Feb 2025	Floatables	
S5	25 Feb 2025	Current Direction	S
S5	25 Feb 2025	Water Temp (C)	15.1
S5	25 Feb 2025	High Tide Time	
S5	25 Feb 2025	Low Tide Time	
S5	25 Feb 2025	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-1; Sewage-like odor
S11	04 Feb 2025	Arrive Time	924
S11	04 Feb 2025	Wind Speed (kts)	1.3
S11	04 Feb 2025	Wind Dir	W
S11	04 Feb 2025	Animal Life	
S11	04 Feb 2025	Floatables	
S11	04 Feb 2025	Current Direction	S
S11	04 Feb 2025	Water Temp (C)	12.3
S11	04 Feb 2025	High Tide Time	
S11	04 Feb 2025	Low Tide Time	
S11	04 Feb 2025	Comments	Water clear; Trash-1; Seagrass;Kelp; Person/Walker/Jogger-4; Sewage-like odor
S11	11 Feb 2025	Arrive Time	916
S11	11 Feb 2025	Wind Speed (kts)	13
S11	11 Feb 2025	Wind Dir	W
S11	11 Feb 2025	Animal Life	
S11	11 Feb 2025	Floatables	
S11	11 Feb 2025	Current Direction	S
S11	11 Feb 2025	Water Temp (C)	12.9
S11	11 Feb 2025	High Tide Time	
S11	11 Feb 2025	Low Tide Time	
S11	11 Feb 2025	Comments	Water clear; Trash-4; Kelp;Seagrass;Debris; Sewage-like odor
S11	18 Feb 2025	Arrive Time	1037

Station	Date	Parameter	Value
S11	18 Feb 2025	Wind Speed (kts)	6.5
S11	18 Feb 2025	Wind Dir	SW
S11	18 Feb 2025	Animal Life	
S11	18 Feb 2025	Floatables	
S11	18 Feb 2025	Current Direction	S
S11	18 Feb 2025	Water Temp (C)	13.8
S11	18 Feb 2025	High Tide Time	
S11	18 Feb 2025	Low Tide Time	
S11	18 Feb 2025	Comments	Water clear; Trash-3; Seagrass;Kelp;Debris; Sewage-like odor
S11	25 Feb 2025	Arrive Time	1006
S11	25 Feb 2025	Wind Speed (kts)	3.45
S11	25 Feb 2025	Wind Dir	W
S11	25 Feb 2025	Animal Life	
S11	25 Feb 2025	Floatables	
S11	25 Feb 2025	Current Direction	S
S11	25 Feb 2025	Water Temp (C)	13.8
S11	25 Feb 2025	High Tide Time	
S11	25 Feb 2025	Low Tide Time	
S11	25 Feb 2025	Comments	Water clear; Trash-1; Seagrass;Kelp
S6	04 Feb 2025	Arrive Time	912
S6	04 Feb 2025	Wind Speed (kts)	1.3
S6	04 Feb 2025	Wind Dir	W
S6	04 Feb 2025	Animal Life	
S6	04 Feb 2025	Floatables	
S6	04 Feb 2025	Current Direction	S
S6	04 Feb 2025	Water Temp (C)	12.3
S6	04 Feb 2025	High Tide Time	
S6	04 Feb 2025	Low Tide Time	
S6	04 Feb 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
S6	11 Feb 2025	Arrive Time	928
S6	11 Feb 2025	Wind Speed (kts)	10.1
S6	11 Feb 2025	Wind Dir	W
S6	11 Feb 2025	Animal Life	
S6	11 Feb 2025	Floatables	
S6	11 Feb 2025	Current Direction	S
S6	11 Feb 2025	Water Temp (C)	13.3
S6	11 Feb 2025	High Tide Time	
S6	11 Feb 2025	Low Tide Time	
S6	11 Feb 2025	Comments	Water clear; Trash-3; Debris;Seagrass; Person/Walker/Jogger-1; Sewage-like odor
S6	18 Feb 2025	Arrive Time	1051
S6	18 Feb 2025	Wind Speed (kts)	5.3
S6	18 Feb 2025	Wind Dir	SW
S6	18 Feb 2025	Animal Life	
S6	18 Feb 2025	Floatables	
S6	18 Feb 2025	Current Direction	S
S6	18 Feb 2025	Water Temp (C)	13.9
S6	18 Feb 2025	High Tide Time	
S6	18 Feb 2025	Low Tide Time	
S6	18 Feb 2025	Comments	Water clear; Trash-3; Kelp;Algae;Debris; Sewage-like odor
S6	25 Feb 2025	Arrive Time	1023
S6	25 Feb 2025	Wind Speed (kts)	5.6
S6	25 Feb 2025	Wind Dir	W
S6	25 Feb 2025	Animal Life	
S6	25 Feb 2025	Floatables	

Station	Date	Parameter	Value
S6	25 Feb 2025	Current Direction	S
S6	25 Feb 2025	Water Temp (C)	15.4
S6	25 Feb 2025	High Tide Time	
S6	25 Feb 2025	Low Tide Time	
S6	25 Feb 2025	Comments	Water clear; Trash-1; Seagrass;Algae;Kelp
S12	04 Feb 2025	Arrive Time	849
S12	04 Feb 2025	Wind Speed (kts)	1.3
S12	04 Feb 2025	Wind Dir	W
S12	04 Feb 2025	Animal Life	Dog-1;
S12	04 Feb 2025	Floatables	
S12	04 Feb 2025	Current Direction	S
S12	04 Feb 2025	Water Temp (C)	11.9
S12	04 Feb 2025	High Tide Time	
S12	04 Feb 2025	Low Tide Time	
S12	04 Feb 2025	Comments	Water clear; Surfer/Paddle boarder-2; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-2
S12	11 Feb 2025	Arrive Time	816
S12	11 Feb 2025	Wind Speed (kts)	12.8
S12	11 Feb 2025	Wind Dir	SW
S12	11 Feb 2025	Animal Life	Bird-3;
S12	11 Feb 2025	Floatables	
S12	11 Feb 2025	Current Direction	S
S12	11 Feb 2025	Water Temp (C)	13.1
S12	11 Feb 2025	High Tide Time	
S12	11 Feb 2025	Low Tide Time	
S12	11 Feb 2025	Comments	Water clear; Trash-2; Seagrass;Kelp;Debris; Sewage-like odor
S12	18 Feb 2025	Arrive Time	924
S12	18 Feb 2025	Wind Speed (kts)	3.2
S12	18 Feb 2025	Wind Dir	S
S12	18 Feb 2025	Animal Life	
S12	18 Feb 2025	Floatables	
S12	18 Feb 2025	Current Direction	S
S12	18 Feb 2025	Water Temp (C)	15.1
S12	18 Feb 2025	High Tide Time	
S12	18 Feb 2025	Low Tide Time	
S12	18 Feb 2025	Comments	Water clear; Trash-3; Kelp;Debris; Person/Walker/Jogger-1; Sewage-like odor
S12	25 Feb 2025	Arrive Time	851
S12	25 Feb 2025	Wind Speed (kts)	0
S12	25 Feb 2025	Wind Dir	XX
S12	25 Feb 2025	Animal Life	
S12	25 Feb 2025	Floatables	
S12	25 Feb 2025	Current Direction	S
S12	25 Feb 2025	Water Temp (C)	14.4
S12	25 Feb 2025	High Tide Time	
S12	25 Feb 2025	Low Tide Time	
S12	25 Feb 2025	Comments	Water clear; Trash-1; Kelp;Seagrass
S8	04 Feb 2025	Arrive Time	826
S8	04 Feb 2025	Wind Speed (kts)	1.3
S8	04 Feb 2025	Wind Dir	S
S8	04 Feb 2025	Animal Life	
S8	04 Feb 2025	Floatables	
S8	04 Feb 2025	Current Direction	S
S8	04 Feb 2025	Water Temp (C)	12.1
S8	04 Feb 2025	High Tide Time	

Station	Date	Parameter	Value
S8	04 Feb 2025	Low Tide Time	
S8	04 Feb 2025	Comments	Water clear; Trash-1; Kelp;Seagrass
S8	11 Feb 2025	Arrive Time	816
S8	11 Feb 2025	Wind Speed (kts)	12.2
S8	11 Feb 2025	Wind Dir	W
S8	11 Feb 2025	Animal Life	
S8	11 Feb 2025	Floatables	
S8	11 Feb 2025	Current Direction	S
S8	11 Feb 2025	Water Temp (C)	13.5
S8	11 Feb 2025	High Tide Time	
S8	11 Feb 2025	Low Tide Time	
S8	11 Feb 2025	Comments	Water clear; Trash-2; Seagrass;Kelp;Debris
S8	18 Feb 2025	Arrive Time	902
S8	18 Feb 2025	Wind Speed (kts)	4.6
S8	18 Feb 2025	Wind Dir	SE
S8	18 Feb 2025	Animal Life	
S8	18 Feb 2025	Floatables	
S8	18 Feb 2025	Current Direction	S
S8	18 Feb 2025	Water Temp (C)	14.6
S8	18 Feb 2025	High Tide Time	
S8	18 Feb 2025	Low Tide Time	
S8	18 Feb 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Debris
S8	25 Feb 2025	Arrive Time	835
S8	25 Feb 2025	Wind Speed (kts)	4
S8	25 Feb 2025	Wind Dir	W
S8	25 Feb 2025	Animal Life	
S8	25 Feb 2025	Floatables	
S8	25 Feb 2025	Current Direction	S
S8	25 Feb 2025	Water Temp (C)	14.1
S8	25 Feb 2025	High Tide Time	
S8	25 Feb 2025	Low Tide Time	
S8	25 Feb 2025	Comments	Water clear; Trash-2; Seagrass;Kelp;Algae
S9	04 Feb 2025	Arrive Time	806
S9	04 Feb 2025	Wind Speed (kts)	2
S9	04 Feb 2025	Wind Dir	W
S9	04 Feb 2025	Animal Life	
S9	04 Feb 2025	Floatables	
S9	04 Feb 2025	Current Direction	S
S9	04 Feb 2025	Water Temp (C)	12
S9	04 Feb 2025	High Tide Time	
S9	04 Feb 2025	Low Tide Time	
S9	04 Feb 2025	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-3
S9	11 Feb 2025	Arrive Time	801
S9	11 Feb 2025	Wind Speed (kts)	7.7
S9	11 Feb 2025	Wind Dir	NW
S9	11 Feb 2025	Animal Life	
S9	11 Feb 2025	Floatables	
S9	11 Feb 2025	Current Direction	S
S9	11 Feb 2025	Water Temp (C)	12.9
S9	11 Feb 2025	High Tide Time	
S9	11 Feb 2025	Low Tide Time	
S9	11 Feb 2025	Comments	Water clear; Trash-1
S9	18 Feb 2025	Arrive Time	843
S9	18 Feb 2025	Wind Speed (kts)	6.2

Station	Date	Parameter	Value
S9	18 Feb 2025	Wind Dir	S
S9	18 Feb 2025	Animal Life	
S9	18 Feb 2025	Floatables	
S9	18 Feb 2025	Current Direction	S
S9	18 Feb 2025	Water Temp (C)	15.2
S9	18 Feb 2025	High Tide Time	
S9	18 Feb 2025	Low Tide Time	
S9	18 Feb 2025	Comments	Water clear; Trash-1; Seagrass;Debris;Kelp
S9	25 Feb 2025	Arrive Time	820
S9	25 Feb 2025	Wind Speed (kts)	2.5
S9	25 Feb 2025	Wind Dir	W
S9	25 Feb 2025	Animal Life	
S9	25 Feb 2025	Floatables	
S9	25 Feb 2025	Current Direction	S
S9	25 Feb 2025	Water Temp (C)	15.8
S9	25 Feb 2025	High Tide Time	
S9	25 Feb 2025	Low Tide Time	
S9	25 Feb 2025	Comments	Water clear; Surfer/Paddle boarder-1; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-5

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 Feb 2025	*34	*145	*10	*15	*6	*5	***558**
02 Feb 2025	*34	*145	*10	*15	*6	*5	***558**
03 Feb 2025	42	177	7	10	5	5	**595**
04 Feb 2025	42	177	7	10	5	5	**595**
05 Feb 2025	*37	*161	*5	*9	*5	*7	***411**
06 Feb 2025	*37	*161	*5	*9	*5	*7	***411**
07 Feb 2025	*37	*161	*5	*9	*5	*7	***411**
08 Feb 2025	*37	*161	*5	*9	*5	*7	***411**
09 Feb 2025	*37	*161	*5	*9	*5	*7	***411**
10 Feb 2025	46	**254**	13	17	4	14	**721**
11 Feb 2025	46	**254**	13	17	4	14	**721**
12 Feb 2025	46	**254**	13	17	4	14	**721**
13 Feb 2025	*43	***301**	*20	*28	*5	*22	***569**
14 Feb 2025	*43	***301**	*20	*28	*5	*22	***569**
15 Feb 2025	*43	***301**	*20	*28	*5	*22	***569**
16 Feb 2025	*43	***301**	*20	*28	*5	*22	***569**
17 Feb 2025	*43	***301**	*20	*28	*5	*22	***569**
18 Feb 2025	*43	***301**	*20	*28	*5	*22	***569**
19 Feb 2025	110	**253**	30	38	7	26	**547**
20 Feb 2025	***252**	***277**	*60	*80	*9	*49	***903**
21 Feb 2025	***252**	***277**	*60	*80	*9	*49	***903**
22 Feb 2025	***252**	***277**	*60	*80	*9	*49	***903**
23 Feb 2025	***252**	***277**	*60	*80	*9	*49	***903**
24 Feb 2025	96	136	30	38	7	28	**1221**
25 Feb 2025	96	136	30	38	7	28	**1221**
26 Feb 2025	96	136	30	38	7	28	**1221**
27 Feb 2025	*101	*157	*25	*17	*4	*21	***1774**
28 Feb 2025	*101	*157	*25	*17	*4	*21	***1774**

* 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
03 Feb 2025	IC	**E**	IC	IC	IC	IC	**E**
10 Feb 2025	IC	**E**	**E**	IC	IC	**E**	**E**
19 Feb 2025	**E**	IC	IC	IC	IC	IC	**E**
24 Feb 2025	IC	IC	IC	IC	IC	IC	**E**

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 Feb 2025	**32**	20	6	6	4	4	**81**
02 Feb 2025	**32**	20	6	6	4	4	**81**
03 Feb 2025	**31**	24	5	5	4	3	**115**
04 Feb 2025	**31**	24	5	5	4	3	**115**
05 Feb 2025	**31**	24	5	5	4	3	**115**
06 Feb 2025	29	**37**	6	6	4	4	**225**
07 Feb 2025	29	**37**	6	6	4	4	**225**
08 Feb 2025	29	**37**	6	6	4	4	**225**
09 Feb 2025	29	**37**	6	6	4	4	**225**
10 Feb 2025	**40**	**93**	13	11	4	8	**795**
11 Feb 2025	**40**	**93**	13	11	4	8	**795**
12 Feb 2025	**40**	**93**	13	11	4	8	**795**
13 Feb 2025	**40**	**93**	13	11	4	8	**795**
14 Feb 2025	**40**	**93**	13	11	4	8	**795**
15 Feb 2025	**40**	**93**	13	11	4	8	**795**
16 Feb 2025	**40**	**93**	13	11	4	8	**795**
17 Feb 2025	**39**	**90**	11	13	5	10	**669**
18 Feb 2025	**39**	**90**	11	13	5	10	**669**
19 Feb 2025	**69**	**76**	13	14	6	10	**464**
20 Feb 2025	**69**	**76**	13	14	6	10	**464**
21 Feb 2025	**69**	**76**	13	14	6	10	**464**
22 Feb 2025	**69**	**76**	13	14	6	10	**464**
23 Feb 2025	**69**	**76**	13	14	6	10	**464**
24 Feb 2025	**42**	**55**	10	10	5	8	**591**
25 Feb 2025	**42**	**67**	13	14	6	10	**650**
26 Feb 2025	**42**	**67**	13	14	6	10	**650**
27 Feb 2025	**42**	**67**	13	14	6	10	**650**
28 Feb 2025	**42**	**67**	13	14	6	10	**650**

* 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
February	**E**	**E**	**E**	IC	IC	IC	**E**

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.

	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
01 Feb 2025	***215**	***280**	***139**	***108**	***580**	***710**	***101**	*70	*15	*2	*22	*12	*2	*3	*6	*2	*3	*14	***1430**	***5300**	***5600**
02 Feb 2025	***215**	***280**	***139**	***108**	***580**	***710**	***101**	*70	*15	*2	*22	*12	*2	*3	*6	*2	*3	*14	***1430**	***5300**	***5600**
03 Feb 2025	**320**	**300**	**200**	**120**	**680**	**680**	2	20	2	2	2	4	2	4	4	2	4	24	**2000**	**2400**	**3200**
04 Feb 2025	**320**	**300**	**200**	**120**	**680**	**680**	2	20	2	2	2	4	2	4	4	2	4	24	**2000**	**2400**	**3200**
05 Feb 2025	***215**	***320**	***139**	***230**	***580**	***710**	*2	*20	*2	*2	*2	*3	*2	*3	*3	*2	*46	*45	***1430**	***1390**	***1860**
06 Feb 2025	***215**	***320**	***139**	***230**	***580**	***710**	*2	*20	*2	*2	*2	*3	*2	*3	*3	*2	*46	*45	***1430**	***1390**	***1860**
07 Feb 2025	***215**	***320**	***139**	***230**	***580**	***710**	*2	*20	*2	*2	*2	*3	*2	*3	*3	*2	*46	*45	***1430**	***1390**	***1860**
08 Feb 2025	***215**	***320**	***139**	***230**	***580**	***710**	*2	*20	*2	*2	*2	*3	*2	*3	*3	*2	*46	*45	***1430**	***1390**	***1860**
09 Feb 2025	***215**	***320**	***139**	***230**	***580**	***710**	*2	*20	*2	*2	*2	*3	*2	*3	*3	*2	*46	*45	***1430**	***1390**	***1860**
10 Feb 2025	**320**	**340**	**200**	**340**	**680**	**740**	2	20	2	2	2	4	2	4	2	2	**90**	**86**	**2000**	**2400**	**3200**
11 Feb 2025	**320**	**340**	**200**	**340**	**680**	**740**	2	20	2	2	2	4	2	4	2	2	**90**	**86**	**2000**	**2400**	**3200**
12 Feb 2025	**320**	**340**	**200**	**340**	**680**	**740**	2	20	2	2	2	4	2	4	2	2	**90**	**86**	**2000**	**2400**	**3200**
13 Feb 2025	***760**	***1170**	***590**	***5070**	***1140**	***780**	***101**	***440**	***371**	***551**	***421**	***241**	*2	*5	*3	***1201**	***125**	***193**	***6000**	***1390**	***1860**
14 Feb 2025	***760**	***1170**	***590**	***5070**	***1140**	***780**	***101**	***440**	***371**	***551**	***421**	***241**	*2	*5	*3	***1201**	***125**	***193**	***6000**	***1390**	***1860**
15 Feb 2025	***760**	***1170**	***590**	***5070**	***1140**	***780**	***101**	***440**	***371**	***551**	***421**	***241**	*2	*5	*3	***1201**	***125**	***193**	***6000**	***1390**	***1860**
16 Feb 2025	***760**	***1170**	***590**	***5070**	***1140**	***780**	***101**	***440**	***371**	***551**	***421**	***241**	*2	*5	*3	***1201**	***125**	***193**	***6000**	***1390**	***1860**
17 Feb 2025	***760**	***1170**	***590**	***5070**	***1140**	***780**	***101**	***440**	***371**	***551**	***421**	***241**	*2	*5	*3	***1201**	***125**	***193**	***6000**	***1390**	***1860**
18 Feb 2025	***760**	***1170**	***590**	***5070**	***1140**	***780**	***101**	***440**	***371**	***551**	***421**	***241**	*2	*5	*3	***1201**	***125**	***193**	***6000**	***1390**	***1860**
19 Feb 2025	**1200**	**2000**	**980**	**1600**	**680**	**740**	**200**	**800**	**100**	**160**	**700**	**480**	2	6	4	**1000**	**90**	**86**	**4600**	**2400**	**3200**
20 Feb 2025	***1250**	***2000**	***1190**	***5700**	***1140**	***720**	***1400**	***830**	***420**	***630**	***770**	***550**	*48	***233**	***182**	***1700**	***125**	***193**	***7300**	***2700**	***3300**
21 Feb 2025	***1250**	***2000**	***1190**	***5700**	***1140**	***720**	***1400**	***830**	***420**	***630**	***770**	***550**	*48	***233**	***182**	***1700**	***125**	***193**	***7300**	***2700**	***3300**
22 Feb 2025	***1250**	***2000**	***1190**	***5700**	***1140**	***720**	***1400**	***830**	***420**	***630**	***770**	***550**	*48	***233**	***182**	***1700**	***125**	***193**	***7300**	***2700**	***3300**
23 Feb 2025	***1250**	***2000**	***1190**	***5700**	***1140**	***720**	***1400**	***830**	***420**	***630**	***770**	***550**	*48	***233**	***182**	***1700**	***125**	***193**	***7300**	***2700**	***3300**
24 Feb 2025	**1200**	**2000**	**980**	**1600**	**680**	**620**	**200**	**800**	**100**	**160**	**700**	**480**	2	6	4	**1000**	**90**	**86**	**10000**	**3000**	**3400**
25 Feb 2025	**1200**	**2000**	**980**	**1600**	**680**	**620**	**200**	**800**	**100**	**160**	**700**	**480**	2	6	4	**1000**	**90**	**86**	**10000**	**3000**	**3400**
26 Feb 2025	**1200**	**2000**	**980**	**1600**	**680**	**620**	**200**	**800**	**100**	**160**	**700**	**480**	2	6	4	**1000**	**90**	**86**	**10000**	**3000**	**3400**
27 Feb 2025	***1250**	***1170**	***590**	***5700**	***890**	***329**	***1301**	***410**	*51	***81**	***351**	***241**	*2	*5	*3	***501**	***75**	*51	***13000**	***8000**	***7200**
28 Feb 2025	***1250**	***1170**	***590**	***5700**	***890**	***329**	***1301**	***410**	*51	***81**	***351**	***241**	*2	*5	*3	***501**	***75**	*51	***13000**	***8000**	***7200**

* 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**
February	**E**	**E**	**E**	**E**	**E**	**E**	**E**	**E**	**E**	**E**	**E**	**E**	IC	**E**	**E**	**E**	IC	**E**	**E**	**E**	**E**

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	03 Feb 2025	1042	2	1200e	260e	56
I19	03 Feb 2025	1042	6	340e	14e	4e
I19	03 Feb 2025	1042	11	200e	16e	16e
I19	10 Feb 2025	1055	2	1300	58	200e
I19	10 Feb 2025	1055	6	2000e	220e	160e
I19	10 Feb 2025	1055	11	980	60	66
I19	19 Feb 2025	1018	2	>16000	6000	2200e
I19	19 Feb 2025	1018	6	>16000	6800	720
I19	19 Feb 2025	1018	11	11000	1800e	680
I19	24 Feb 2025	1050	2	2e	<2	<2
I19	24 Feb 2025	1050	6	4e	2e	2e
I19	24 Feb 2025	1050	11	6e	2e	<2
I24	03 Feb 2025	1107	2	13000	1000e	52
I24	03 Feb 2025	1107	6	1600e	100e	110
I24	03 Feb 2025	1107	11	620	56	62
I24	10 Feb 2025	1117	2	9800	920	460
I24	10 Feb 2025	1117	6	16000	3400e	860
I24	10 Feb 2025	1117	11	3000e	360e	300e
I24	19 Feb 2025	1039	2	1600e	320e	76
I24	19 Feb 2025	1039	6	180e	46	10e
I24	19 Feb 2025	1039	11	<20	14e	8e
I24	24 Feb 2025	1119	2	14e	2e	2e
I24	24 Feb 2025	1119	6	100	14e	18e
I24	24 Feb 2025	1119	11	38e	8e	4e
I25	03 Feb 2025	1113	2	2e	<2	<2
I25	03 Feb 2025	1113	6	20e	4e	<2
I25	03 Feb 2025	1113	9	2e	2e	<2
I25	10 Feb 2025	1123	2	6800	400	380e
I25	10 Feb 2025	1123	6	2600e	500	140e
I25	10 Feb 2025	1123	9	3400e	460	240e
I25	19 Feb 2025	1049	2	2600e	380e	70
I25	19 Feb 2025	1049	6	800e	80e	12e
I25	19 Feb 2025	1049	9	100e	20e	4e
I25	24 Feb 2025	1123	2	<2	<2	<2
I25	24 Feb 2025	1123	6	<2	<2	<2
I25	24 Feb 2025	1123	9	2e	<2	2e
I26	03 Feb 2025	1124	2	<2	<2	<2
I26	03 Feb 2025	1124	6	<2	<2	<2
I26	03 Feb 2025	1124	9	<2	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I26	10 Feb 2025	1134	2	1800e	380e	160e
I26	10 Feb 2025	1134	6	840	64	62
I26	10 Feb 2025	1134	9	480	52	30e
I26	19 Feb 2025	1059	2	160e	26e	<2
I26	19 Feb 2025	1059	6	700	180e	14e
I26	19 Feb 2025	1059	9	620	180e	28e
I26	24 Feb 2025	1134	2	<2	<2	<2
I26	24 Feb 2025	1134	6	<2	<2	<2
I26	24 Feb 2025	1134	9	<2	<2	<2
I32	03 Feb 2025	1136	2	2e	<2	<2
I32	03 Feb 2025	1136	6	4e	<2	2e
I32	03 Feb 2025	1136	9	4e	<2	2e
I32	10 Feb 2025	1144	2	<2	<2	<2
I32	10 Feb 2025	1144	6	6e	<2	<2
I32	10 Feb 2025	1144	9	2e	<2	<2
I32	19 Feb 2025	1112	2	120e	8e	<2
I32	19 Feb 2025	1112	6	460	32e	18e
I32	19 Feb 2025	1112	9	360e	28e	40e
I32	24 Feb 2025	1148	2	<2	<2	<2
I32	24 Feb 2025	1148	6	<2	<2	<2
I32	24 Feb 2025	1148	9	2e	<2	<2
I39	03 Feb 2025	1023	2	<2	<2	<2
I39	03 Feb 2025	1023	12	90	8e	<2
I39	03 Feb 2025	1023	18	86	6e	<2
I39	10 Feb 2025	1035	2	2400e	680	660
I39	10 Feb 2025	1035	12	200e	18e	14e
I39	10 Feb 2025	1035	18	880	120	68
I39	19 Feb 2025	957	2	1000e	140e	26e
I39	19 Feb 2025	957	12	60e	4e	2e
I39	19 Feb 2025	957	18	16e	2e	2e
I39	24 Feb 2025	1046	2	<2	<2	<2
I39	24 Feb 2025	1046	12	22e	4e	<2
I39	24 Feb 2025	1046	18	4e	2e	<2
I40	03 Feb 2025	1055	2	10000	2200e	2600e
I40	03 Feb 2025	1055	6	380e	34e	30e
I40	03 Feb 2025	1055	9	520	70	180e
I40	10 Feb 2025	1107	2	>16000	>12000	9800
I40	10 Feb 2025	1107	6	14000	1000e	740
I40	10 Feb 2025	1107	9	>16000	7400	1200e
I40	19 Feb 2025	1030	2	4600	700	80e
I40	19 Feb 2025	1030	6	3000e	460	98
I40	19 Feb 2025	1030	9	3400e	240e	44
I40	24 Feb 2025	1109	2	>16000	6800	3200e
I40	24 Feb 2025	1109	6	13000	4000	3400e
I40	24 Feb 2025	1109	9	11000	1400e	1000

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	03 Feb 2025	Arrive Time	1042
I19	03 Feb 2025	Depart Time	1049
I19	03 Feb 2025	Air Temp (C)	12.1
I19	03 Feb 2025	Visibility (mi)	2
I19	03 Feb 2025	Wind Speed (kts)	7.9
I19	03 Feb 2025	Wind Dir	W
I19	03 Feb 2025	Sea State	Calm
I19	03 Feb 2025	High Tide Time	18
I19	03 Feb 2025	Low Tide Time	1812
I19	03 Feb 2025	Comments	
I19	10 Feb 2025	Arrive Time	1055
I19	10 Feb 2025	Depart Time	1059
I19	10 Feb 2025	Air Temp (C)	13.3
I19	10 Feb 2025	Visibility (mi)	8
I19	10 Feb 2025	Wind Speed (kts)	5.8
I19	10 Feb 2025	Wind Dir	S
I19	10 Feb 2025	Sea State	Confused Swell
I19	10 Feb 2025	High Tide Time	718
I19	10 Feb 2025	Low Tide Time	1430
I19	10 Feb 2025	Comments	
I19	19 Feb 2025	Arrive Time	1018
I19	19 Feb 2025	Depart Time	1025
I19	19 Feb 2025	Air Temp (C)	13.9
I19	19 Feb 2025	Visibility (mi)	8
I19	19 Feb 2025	Wind Speed (kts)	4.9
I19	19 Feb 2025	Wind Dir	SW
I19	19 Feb 2025	Sea State	Regular Swell
I19	19 Feb 2025	High Tide Time	24
I19	19 Feb 2025	Low Tide Time	806
I19	19 Feb 2025	Comments	
I19	24 Feb 2025	Arrive Time	1047
I19	24 Feb 2025	Depart Time	1050
I19	24 Feb 2025	Air Temp (C)	14.4
I19	24 Feb 2025	Visibility (mi)	10
I19	24 Feb 2025	Wind Speed (kts)	2.4
I19	24 Feb 2025	Wind Dir	NW
I19	24 Feb 2025	Sea State	Regular Swell
I19	24 Feb 2025	High Tide Time	606
I19	24 Feb 2025	Low Tide Time	1324
I19	24 Feb 2025	Comments	
I40	03 Feb 2025	Arrive Time	1055
I40	03 Feb 2025	Depart Time	1102
I40	03 Feb 2025	Air Temp (C)	12.4
I40	03 Feb 2025	Visibility (mi)	2
I40	03 Feb 2025	Wind Speed (kts)	1.9
I40	03 Feb 2025	Wind Dir	W
I40	03 Feb 2025	Sea State	Calm
I40	03 Feb 2025	High Tide Time	18
I40	03 Feb 2025	Low Tide Time	1812
I40	03 Feb 2025	Comments	
I40	10 Feb 2025	Arrive Time	1107

Station	Date	Parameter	Value
I40	10 Feb 2025	Depart Time	1113
I40	10 Feb 2025	Air Temp (C)	13.3
I40	10 Feb 2025	Visibility (mi)	8
I40	10 Feb 2025	Wind Speed (kts)	8
I40	10 Feb 2025	Wind Dir	S
I40	10 Feb 2025	Sea State	Confused Swell
I40	10 Feb 2025	High Tide Time	718
I40	10 Feb 2025	Low Tide Time	1430
I40	10 Feb 2025	Comments	Sewage-like Odor
I40	19 Feb 2025	Arrive Time	1030
I40	19 Feb 2025	Depart Time	1035
I40	19 Feb 2025	Air Temp (C)	14.2
I40	19 Feb 2025	Visibility (mi)	8
I40	19 Feb 2025	Wind Speed (kts)	1.3
I40	19 Feb 2025	Wind Dir	W
I40	19 Feb 2025	Sea State	Regular Swell
I40	19 Feb 2025	High Tide Time	24
I40	19 Feb 2025	Low Tide Time	806
I40	19 Feb 2025	Comments	
I40	24 Feb 2025	Arrive Time	1059
I40	24 Feb 2025	Depart Time	1109
I40	24 Feb 2025	Air Temp (C)	14.5
I40	24 Feb 2025	Visibility (mi)	10
I40	24 Feb 2025	Wind Speed (kts)	6.3
I40	24 Feb 2025	Wind Dir	NW
I40	24 Feb 2025	Sea State	Regular Swell
I40	24 Feb 2025	High Tide Time	606
I40	24 Feb 2025	Low Tide Time	1324
I40	24 Feb 2025	Comments	Niskin 1 misfire; 2nd cast for surface bottle only; Freshwater Lens
I24	03 Feb 2025	Arrive Time	1107
I24	03 Feb 2025	Depart Time	1112
I24	03 Feb 2025	Air Temp (C)	12.2
I24	03 Feb 2025	Visibility (mi)	2
I24	03 Feb 2025	Wind Speed (kts)	5.8
I24	03 Feb 2025	Wind Dir	W
I24	03 Feb 2025	Sea State	Calm
I24	03 Feb 2025	High Tide Time	18
I24	03 Feb 2025	Low Tide Time	1812
I24	03 Feb 2025	Comments	
I24	10 Feb 2025	Arrive Time	1117
I24	10 Feb 2025	Depart Time	1121
I24	10 Feb 2025	Air Temp (C)	13.2
I24	10 Feb 2025	Visibility (mi)	8
I24	10 Feb 2025	Wind Speed (kts)	8.8
I24	10 Feb 2025	Wind Dir	S
I24	10 Feb 2025	Sea State	Confused Swell
I24	10 Feb 2025	High Tide Time	718
I24	10 Feb 2025	Low Tide Time	1430
I24	10 Feb 2025	Comments	
I24	19 Feb 2025	Arrive Time	1039
I24	19 Feb 2025	Depart Time	1046
I24	19 Feb 2025	Air Temp (C)	14.1
I24	19 Feb 2025	Visibility (mi)	9
I24	19 Feb 2025	Wind Speed (kts)	3.7
I24	19 Feb 2025	Wind Dir	NW

Station	Date	Parameter	Value
I24	19 Feb 2025	Sea State	Regular Swell
I24	19 Feb 2025	High Tide Time	24
I24	19 Feb 2025	Low Tide Time	806
I24	19 Feb 2025	Comments	Lost NavOps for a bit.
I24	24 Feb 2025	Arrive Time	1113
I24	24 Feb 2025	Depart Time	1119
I24	24 Feb 2025	Air Temp (C)	14.6
I24	24 Feb 2025	Visibility (mi)	10
I24	24 Feb 2025	Wind Speed (kts)	5.9
I24	24 Feb 2025	Wind Dir	NW
I24	24 Feb 2025	Sea State	Regular Swell
I24	24 Feb 2025	High Tide Time	606
I24	24 Feb 2025	Low Tide Time	1324
I24	24 Feb 2025	Comments	
I25	03 Feb 2025	Arrive Time	1113
I25	03 Feb 2025	Depart Time	1118
I25	03 Feb 2025	Air Temp (C)	12.3
I25	03 Feb 2025	Visibility (mi)	4
I25	03 Feb 2025	Wind Speed (kts)	6.7
I25	03 Feb 2025	Wind Dir	NW
I25	03 Feb 2025	Sea State	Calm
I25	03 Feb 2025	High Tide Time	18
I25	03 Feb 2025	Low Tide Time	1812
I25	03 Feb 2025	Comments	
I25	10 Feb 2025	Arrive Time	1123
I25	10 Feb 2025	Depart Time	1128
I25	10 Feb 2025	Air Temp (C)	13.2
I25	10 Feb 2025	Visibility (mi)	8
I25	10 Feb 2025	Wind Speed (kts)	11.1
I25	10 Feb 2025	Wind Dir	S
I25	10 Feb 2025	Sea State	Confused Swell
I25	10 Feb 2025	High Tide Time	718
I25	10 Feb 2025	Low Tide Time	1430
I25	10 Feb 2025	Comments	
I25	19 Feb 2025	Arrive Time	1049
I25	19 Feb 2025	Depart Time	1055
I25	19 Feb 2025	Air Temp (C)	14.3
I25	19 Feb 2025	Visibility (mi)	9
I25	19 Feb 2025	Wind Speed (kts)	0.3
I25	19 Feb 2025	Wind Dir	NW
I25	19 Feb 2025	Sea State	Regular Swell
I25	19 Feb 2025	High Tide Time	24
I25	19 Feb 2025	Low Tide Time	806
I25	19 Feb 2025	Comments	Unable to Obtain Depth
I25	24 Feb 2025	Arrive Time	1121
I25	24 Feb 2025	Depart Time	1123
I25	24 Feb 2025	Air Temp (C)	14.6
I25	24 Feb 2025	Visibility (mi)	10
I25	24 Feb 2025	Wind Speed (kts)	7.2
I25	24 Feb 2025	Wind Dir	NW
I25	24 Feb 2025	Sea State	Regular Swell
I25	24 Feb 2025	High Tide Time	606
I25	24 Feb 2025	Low Tide Time	1324
I25	24 Feb 2025	Comments	
I39	03 Feb 2025	Arrive Time	1023

Station	Date	Parameter	Value
I39	03 Feb 2025	Depart Time	1028
I39	03 Feb 2025	Air Temp (C)	11.6
I39	03 Feb 2025	Visibility (mi)	1
I39	03 Feb 2025	Wind Speed (kts)	10.8
I39	03 Feb 2025	Wind Dir	W
I39	03 Feb 2025	Sea State	Calm
I39	03 Feb 2025	High Tide Time	18
I39	03 Feb 2025	Low Tide Time	1812
I39	03 Feb 2025	Comments	
I39	10 Feb 2025	Arrive Time	1035
I39	10 Feb 2025	Depart Time	1045
I39	10 Feb 2025	Air Temp (C)	13.3
I39	10 Feb 2025	Visibility (mi)	8
I39	10 Feb 2025	Wind Speed (kts)	7.7
I39	10 Feb 2025	Wind Dir	S
I39	10 Feb 2025	Sea State	Confused Swell
I39	10 Feb 2025	High Tide Time	718
I39	10 Feb 2025	Low Tide Time	1430
I39	10 Feb 2025	Comments	
I39	19 Feb 2025	Arrive Time	957
I39	19 Feb 2025	Depart Time	1004
I39	19 Feb 2025	Air Temp (C)	13.5
I39	19 Feb 2025	Visibility (mi)	8
I39	19 Feb 2025	Wind Speed (kts)	0.3
I39	19 Feb 2025	Wind Dir	NW
I39	19 Feb 2025	Sea State	Regular Swell
I39	19 Feb 2025	High Tide Time	24
I39	19 Feb 2025	Low Tide Time	806
I39	19 Feb 2025	Comments	
I39	24 Feb 2025	Arrive Time	1025
I39	24 Feb 2025	Depart Time	1046
I39	24 Feb 2025	Air Temp (C)	14.4
I39	24 Feb 2025	Visibility (mi)	10
I39	24 Feb 2025	Wind Speed (kts)	7.9
I39	24 Feb 2025	Wind Dir	NW
I39	24 Feb 2025	Sea State	Regular Swell
I39	24 Feb 2025	High Tide Time	606
I39	24 Feb 2025	Low Tide Time	1324
I39	24 Feb 2025	Comments	
I26	03 Feb 2025	Arrive Time	1124
I26	03 Feb 2025	Depart Time	1129
I26	03 Feb 2025	Air Temp (C)	12.3
I26	03 Feb 2025	Visibility (mi)	4
I26	03 Feb 2025	Wind Speed (kts)	7.6
I26	03 Feb 2025	Wind Dir	W
I26	03 Feb 2025	Sea State	Calm
I26	03 Feb 2025	High Tide Time	18
I26	03 Feb 2025	Low Tide Time	1812
I26	03 Feb 2025	Comments	
I26	10 Feb 2025	Arrive Time	1134
I26	10 Feb 2025	Depart Time	1137
I26	10 Feb 2025	Air Temp (C)	13.4
I26	10 Feb 2025	Visibility (mi)	8
I26	10 Feb 2025	Wind Speed (kts)	6.3
I26	10 Feb 2025	Wind Dir	SE
I26	10 Feb 2025	Sea State	Confused Swell

Station	Date	Parameter	Value
I26	10 Feb 2025	High Tide Time	718
I26	10 Feb 2025	Low Tide Time	1430
I26	10 Feb 2025	Comments	
I26	19 Feb 2025	Arrive Time	1059
I26	19 Feb 2025	Depart Time	1102
I26	19 Feb 2025	Air Temp (C)	14.1
I26	19 Feb 2025	Visibility (mi)	9
I26	19 Feb 2025	Wind Speed (kts)	2.4
I26	19 Feb 2025	Wind Dir	W
I26	19 Feb 2025	Sea State	Regular Swell
I26	19 Feb 2025	High Tide Time	24
I26	19 Feb 2025	Low Tide Time	806
I26	19 Feb 2025	Comments	
I26	24 Feb 2025	Arrive Time	1132
I26	24 Feb 2025	Depart Time	1134
I26	24 Feb 2025	Air Temp (C)	14.7
I26	24 Feb 2025	Visibility (mi)	10
I26	24 Feb 2025	Wind Speed (kts)	5.7
I26	24 Feb 2025	Wind Dir	W
I26	24 Feb 2025	Sea State	Regular Swell
I26	24 Feb 2025	High Tide Time	606
I26	24 Feb 2025	Low Tide Time	1324
I26	24 Feb 2025	Comments	
I32	03 Feb 2025	Arrive Time	1136
I32	03 Feb 2025	Depart Time	1140
I32	03 Feb 2025	Air Temp (C)	12.5
I32	03 Feb 2025	Visibility (mi)	4
I32	03 Feb 2025	Wind Speed (kts)	11.2
I32	03 Feb 2025	Wind Dir	W
I32	03 Feb 2025	Sea State	Calm
I32	03 Feb 2025	High Tide Time	18
I32	03 Feb 2025	Low Tide Time	1812
I32	03 Feb 2025	Comments	
I32	10 Feb 2025	Arrive Time	1144
I32	10 Feb 2025	Depart Time	1237
I32	10 Feb 2025	Air Temp (C)	13.6
I32	10 Feb 2025	Visibility (mi)	8
I32	10 Feb 2025	Wind Speed (kts)	6.5
I32	10 Feb 2025	Wind Dir	S
I32	10 Feb 2025	Sea State	Confused Swell
I32	10 Feb 2025	High Tide Time	718
I32	10 Feb 2025	Low Tide Time	1430
I32	10 Feb 2025	Comments	
I32	19 Feb 2025	Arrive Time	1112
I32	19 Feb 2025	Depart Time	1118
I32	19 Feb 2025	Air Temp (C)	14.4
I32	19 Feb 2025	Visibility (mi)	9
I32	19 Feb 2025	Wind Speed (kts)	1.9
I32	19 Feb 2025	Wind Dir	SW
I32	19 Feb 2025	Sea State	Regular Swell
I32	19 Feb 2025	High Tide Time	24
I32	19 Feb 2025	Low Tide Time	806
I32	19 Feb 2025	Comments	
I32	24 Feb 2025	Arrive Time	1143
I32	24 Feb 2025	Depart Time	1148

Station	Date	Parameter	Value
I32	24 Feb 2025	Air Temp (C)	14.8
I32	24 Feb 2025	Visibility (mi)	10
I32	24 Feb 2025	Wind Speed (kts)	9.8
I32	24 Feb 2025	Wind Dir	NW
I32	24 Feb 2025	Sea State	Regular Swell
I32	24 Feb 2025	High Tide Time	606
I32	24 Feb 2025	Low Tide Time	1324
I32	24 Feb 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	03 Feb 2025	1	13.19	86.39	7.4	33.45	8.1	25.2	0.63
I19	03 Feb 2025	2	13.12	86.21	7.1	33.44	8.1	25.2	0.73
I19	03 Feb 2025	3	12.64	86.34	6.6	33.56	8.0	25.3	0.79
I19	03 Feb 2025	4	12.42	88.31	6.0	33.54	8.0	25.4	0.44
I19	03 Feb 2025	5	12.36	89.49	5.8	33.53	8.0	25.4	0.32
I19	03 Feb 2025	6	12.29	90.26	5.6	33.55	8.0	25.4	0.36
I19	03 Feb 2025	7	12.23	89.06	5.4	33.55	7.9	25.4	0.36
I19	03 Feb 2025	8	12.21	84.16	5.2	33.55	7.9	25.4	0.41
I19	03 Feb 2025	9	12.22	80.05	5.2	33.55	7.9	25.4	0.47
I19	03 Feb 2025	10	12.21	78.82	5.2	33.55	7.9	25.4	0.50
I19	10 Feb 2025	1	13.69	70.47	8.8	33.42	8.1	25.0	3.50
I19	10 Feb 2025	2	13.65	70.86	8.7	33.43	8.1	25.0	3.81
I19	10 Feb 2025	3	13.48	70.70	8.5	33.44	8.1	25.1	5.01
I19	10 Feb 2025	4	13.25	69.60	8.0	33.44	8.0	25.1	5.50
I19	10 Feb 2025	5	12.97	69.39	7.1	33.49	8.0	25.2	4.69
I19	10 Feb 2025	6	12.80	68.64	6.8	33.47	7.9	25.2	3.36
I19	10 Feb 2025	7	12.67	70.75	6.7	33.49	7.9	25.3	2.83
I19	10 Feb 2025	8	12.67	71.20	6.6	33.49	7.9	25.3	2.19
I19	10 Feb 2025	9	12.68	71.25	6.6	33.49	7.9	25.3	2.53
I19	10 Feb 2025	10	12.62	71.38	6.4	33.50	7.9	25.3	2.12
I19	19 Feb 2025	1	14.06	59.44	9.0	33.24	8.1	24.8	3.55
I19	19 Feb 2025	2	14.00	59.29	9.0	33.25	8.1	24.8	3.85
I19	19 Feb 2025	3	14.00	61.06	9.1	33.29	8.1	24.9	5.18
I19	19 Feb 2025	4	14.05	67.89	9.1	33.31	8.1	24.9	6.08
I19	19 Feb 2025	5	14.08	70.81	9.1	33.32	8.1	24.9	6.18
I19	19 Feb 2025	6	14.11	72.18	9.2	33.33	8.1	24.9	5.96
I19	19 Feb 2025	7	14.17	73.56	9.1	33.36	8.1	24.9	6.53
I19	19 Feb 2025	8	14.01	76.19	8.9	33.37	8.1	24.9	6.13
I19	19 Feb 2025	9	13.82	60.87	8.6	33.36	8.1	25.0	5.82
I19	19 Feb 2025	10	13.75	45.94	8.3	33.38	8.1	25.0	5.23
I19	24 Feb 2025	1	14.25	77.41	8.7	33.36	8.1	24.9	1.97
I19	24 Feb 2025	2	14.23	76.90	8.7	33.36	8.1	24.9	2.13
I19	24 Feb 2025	3	14.20	77.60	8.7	33.37	8.1	24.9	2.46
I19	24 Feb 2025	4	14.37	77.85	8.7	33.35	8.1	24.8	2.67
I19	24 Feb 2025	5	14.35	77.88	8.7	33.36	8.1	24.8	2.04
I19	24 Feb 2025	6	14.21	78.61	8.7	33.36	8.1	24.9	2.37
I19	24 Feb 2025	7	14.06	78.85	8.6	33.38	8.1	24.9	3.79
I19	24 Feb 2025	8	14.03	77.98	8.5	33.38	8.1	24.9	4.76
I19	24 Feb 2025	9	14.02	78.15	8.4	33.38	8.1	24.9	4.82
I19	24 Feb 2025	10	13.75	77.21	8.0	33.41	8.1	25.0	5.02
I40	03 Feb 2025	1	13.43	79.57	7.3	33.32	8.1	25.0	0.45
I40	03 Feb 2025	2	12.93	85.37	6.8	33.48	8.1	25.2	0.45
I40	03 Feb 2025	3	12.77	88.54	6.4	33.49	8.0	25.3	0.37
I40	03 Feb 2025	4	12.65	89.25	6.2	33.50	8.0	25.3	0.35
I40	03 Feb 2025	5	12.60	89.48	6.1	33.50	8.0	25.3	0.38
I40	03 Feb 2025	6	12.54	88.71	5.9	33.51	8.0	25.3	0.41
I40	03 Feb 2025	7	12.52	86.45	5.8	33.51	8.0	25.3	0.42
I40	03 Feb 2025	8	12.52	82.83	5.8	33.51	8.0	25.3	0.45
I40	03 Feb 2025	9	12.51	80.28	5.7	33.51	8.0	25.3	0.53
I40	03 Feb 2025	10	12.52	73.75	5.7	33.51	8.0	25.3	0.58
I40	10 Feb 2025	1	13.28	41.88	7.7	32.83	7.9	24.7	1.59
I40	10 Feb 2025	2	13.20	43.22	7.7	33.11	7.9	24.9	1.82
I40	10 Feb 2025	3	13.28	46.22	7.8	33.26	8.0	25.0	3.63
I40	10 Feb 2025	4	13.22	54.42	7.7	33.33	8.0	25.1	3.64
I40	10 Feb 2025	5	13.12	59.30	7.5	33.40	8.0	25.1	3.72
I40	10 Feb 2025	6	13.13	61.29	7.3	33.43	8.0	25.2	3.52
I40	10 Feb 2025	7	13.11	61.81	7.0	33.48	8.0	25.2	3.55
I40	10 Feb 2025	8	12.94	65.73	6.3	33.49	7.9	25.2	2.99
I40	10 Feb 2025	9	12.64	39.68	4.9	33.53	7.8	25.3	2.15
I40	10 Feb 2025	10	12.66	22.04	4.8	33.52	7.8	25.3	2.23
I40	19 Feb 2025	1	14.23	74.70	9.3	33.34	8.2	24.9	2.57
I40	19 Feb 2025	2	14.22	75.17	9.2	33.35	8.2	24.9	2.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I40	19 Feb 2025	3	14.08	75.27	9.2	33.37	8.2	24.9	3.47
I40	19 Feb 2025	4	14.02	75.25	9.0	33.37	8.1	24.9	4.83
I40	19 Feb 2025	5	13.89	71.24	8.6	33.39	8.1	25.0	6.48
I40	19 Feb 2025	6	13.74	56.73	8.3	33.40	8.1	25.0	7.04
I40	19 Feb 2025	7	13.65	57.62	8.1	33.41	8.1	25.0	6.36
I40	19 Feb 2025	8	13.47	56.22	7.9	33.42	8.1	25.1	5.64
I40	19 Feb 2025	9	13.38	63.12	7.6	33.42	8.1	25.1	5.09
I40	19 Feb 2025	10	13.39	55.86	7.5	33.42	8.0	25.1	5.28
I40	24 Feb 2025	1	14.63	52.50	8.4	32.89	8.1	24.4	1.65
I40	24 Feb 2025	2	14.53	52.22	8.4	33.00	8.1	24.5	1.67
I40	24 Feb 2025	3	14.46	51.19	8.5	33.18	8.1	24.7	2.59
I40	24 Feb 2025	4	14.55	52.07	8.4	33.28	8.1	24.7	3.79
I40	24 Feb 2025	5	14.60	57.83	8.2	33.34	8.1	24.8	3.65
I40	24 Feb 2025	6	14.41	62.78	7.9	33.38	8.1	24.9	3.13
I40	24 Feb 2025	7	14.31	60.48	7.6	33.39	8.0	24.9	2.50
I40	24 Feb 2025	8	14.18	58.89	7.3	33.39	8.0	24.9	2.25
I40	24 Feb 2025	9	13.81	48.71	6.7	33.41	8.0	25.0	3.13
I40	24 Feb 2025	10	14.02	27.50	6.8	33.39	8.0	24.9	3.31
I24	03 Feb 2025	1	13.80	75.76	7.9	33.32	8.1	24.9	0.82
I24	03 Feb 2025	2	13.81	76.38	7.9	33.31	8.1	24.9	0.83
I24	03 Feb 2025	3	13.57	77.83	7.6	33.41	8.1	25.0	0.83
I24	03 Feb 2025	4	13.06	83.36	6.8	33.47	8.1	25.2	0.97
I24	03 Feb 2025	5	12.75	85.44	6.3	33.53	8.0	25.3	1.00
I24	03 Feb 2025	6	12.62	85.70	5.8	33.51	8.0	25.3	0.96
I24	03 Feb 2025	7	12.57	84.50	5.7	33.51	8.0	25.3	1.02
I24	03 Feb 2025	8	12.56	84.03	5.6	33.50	8.0	25.3	1.07
I24	03 Feb 2025	9	12.56	79.70	5.6	33.50	8.0	25.3	1.10
I24	03 Feb 2025	10	12.56	74.62	5.6	33.50	8.0	25.3	1.12
I24	03 Feb 2025	11	12.57	65.65	5.6	33.50	8.0	25.3	1.11
I24	10 Feb 2025	1	13.60	67.58	8.7	33.33	8.1	25.0	5.40
I24	10 Feb 2025	2	13.60	67.28	8.7	33.33	8.1	25.0	5.59
I24	10 Feb 2025	3	13.59	67.66	8.6	33.34	8.1	25.0	5.67
I24	10 Feb 2025	4	13.51	67.70	8.5	33.35	8.1	25.0	5.64
I24	10 Feb 2025	5	13.45	68.12	8.4	33.36	8.1	25.0	5.61
I24	10 Feb 2025	6	13.28	69.62	8.0	33.40	8.1	25.1	5.57
I24	10 Feb 2025	7	13.06	71.50	7.2	33.43	8.0	25.2	4.61
I24	10 Feb 2025	8	12.45	75.10	5.9	33.54	7.9	25.4	3.27
I24	10 Feb 2025	9	12.41	76.78	5.3	33.53	7.9	25.4	1.39
I24	10 Feb 2025	10	12.40	75.86	5.1	33.54	7.9	25.4	1.56
I24	19 Feb 2025	1	14.33	79.19	9.4	33.32	8.2	24.8	1.99
I24	19 Feb 2025	2	14.26	78.75	9.5	33.37	8.2	24.9	2.16
I24	19 Feb 2025	3	14.13	81.46	9.4	33.38	8.2	24.9	2.93
I24	19 Feb 2025	4	13.90	82.59	9.1	33.40	8.2	25.0	4.54
I24	19 Feb 2025	5	13.61	81.07	8.6	33.42	8.1	25.0	6.10
I24	19 Feb 2025	6	13.20	82.05	7.8	33.44	8.1	25.1	5.25
I24	19 Feb 2025	7	12.96	84.08	7.2	33.45	8.0	25.2	4.40
I24	19 Feb 2025	8	12.92	84.89	7.0	33.44	8.0	25.2	3.68
I24	19 Feb 2025	9	12.92	83.25	6.9	33.44	8.0	25.2	3.48
I24	19 Feb 2025	10	12.92	82.51	6.9	33.44	8.0	25.2	3.55
I24	24 Feb 2025	1	14.94	81.73	8.8	33.38	8.1	24.7	0.86
I24	24 Feb 2025	2	14.94	82.23	8.7	33.38	8.1	24.7	0.87
I24	24 Feb 2025	3	14.80	83.62	8.7	33.38	8.1	24.8	1.20
I24	24 Feb 2025	4	14.68	81.53	8.6	33.38	8.1	24.8	1.73
I24	24 Feb 2025	5	14.50	77.24	8.5	33.38	8.1	24.8	2.61
I24	24 Feb 2025	6	14.28	73.91	8.3	33.38	8.1	24.9	2.79
I24	24 Feb 2025	7	13.86	76.89	7.6	33.41	8.1	25.0	2.88
I24	24 Feb 2025	8	13.72	79.06	7.0	33.42	8.0	25.0	2.28
I24	24 Feb 2025	9	13.69	76.44	6.8	33.42	8.0	25.0	2.09
I24	24 Feb 2025	10	13.73	75.81	6.8	33.41	8.0	25.0	2.13
I25	03 Feb 2025	1	13.26	84.83	7.5	33.45	8.1	25.1	1.05
I25	03 Feb 2025	2	13.24	84.95	7.4	33.45	8.1	25.1	1.11
I25	03 Feb 2025	3	13.17	84.63	7.4	33.46	8.1	25.2	1.49
I25	03 Feb 2025	4	13.13	84.13	7.3	33.46	8.1	25.2	2.00
I25	03 Feb 2025	5	12.92	82.38	7.0	33.48	8.1	25.2	3.27
I25	03 Feb 2025	6	12.63	81.89	6.4	33.52	8.0	25.3	3.20
I25	03 Feb 2025	7	12.33	87.88	5.7	33.55	8.0	25.4	1.12
I25	03 Feb 2025	8	12.33	90.82	5.5	33.54	8.0	25.4	0.50
I25	03 Feb 2025	9	12.33	90.45	5.5	33.53	7.9	25.4	0.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I25	10 Feb 2025	1	13.77	70.40	8.9	33.35	8.1	25.0	2.67
I25	10 Feb 2025	2	13.73	69.93	8.9	33.35	8.1	25.0	2.74
I25	10 Feb 2025	3	13.54	71.44	8.6	33.38	8.1	25.0	4.26
I25	10 Feb 2025	4	13.23	71.30	8.1	33.41	8.1	25.1	5.80
I25	10 Feb 2025	5	13.10	72.64	7.5	33.42	8.0	25.1	5.79
I25	10 Feb 2025	6	13.06	74.57	6.9	33.45	8.0	25.2	5.51
I25	10 Feb 2025	7	12.58	77.77	6.1	33.51	8.0	25.3	3.43
I25	10 Feb 2025	8	12.53	80.67	5.6	33.52	7.9	25.3	1.64
I25	10 Feb 2025	9	12.52	77.21	5.5	33.52	7.9	25.3	2.01
I25	19 Feb 2025	1	14.42	74.83	9.4	33.25	8.2	24.7	1.66
I25	19 Feb 2025	2	14.29	76.79	9.4	33.33	8.2	24.8	1.64
I25	19 Feb 2025	3	14.02	80.83	9.2	33.38	8.2	24.9	2.30
I25	19 Feb 2025	4	13.60	81.20	8.8	33.42	8.1	25.0	3.77
I25	19 Feb 2025	5	13.44	80.81	8.2	33.42	8.1	25.1	3.84
I25	19 Feb 2025	6	13.19	83.06	7.8	33.43	8.1	25.1	3.97
I25	19 Feb 2025	7	13.12	82.66	7.6	33.43	8.0	25.2	4.23
I25	19 Feb 2025	8	13.09	83.00	7.3	33.43	8.0	25.2	3.78
I25	24 Feb 2025	1	15.00	88.59	9.0	33.38	8.2	24.7	0.68
I25	24 Feb 2025	2	15.00	88.67	9.0	33.38	8.2	24.7	0.67
I25	24 Feb 2025	3	14.92	88.78	8.8	33.38	8.2	24.7	0.69
I25	24 Feb 2025	4	14.55	88.36	8.4	33.39	8.1	24.8	0.86
I25	24 Feb 2025	5	14.00	86.02	7.4	33.42	8.0	25.0	1.71
I25	24 Feb 2025	6	13.79	81.01	6.7	33.42	8.0	25.0	1.29
I25	24 Feb 2025	7	13.46	77.81	6.4	33.43	7.9	25.1	1.17
I25	24 Feb 2025	8	13.43	71.14	6.4	33.43	7.9	25.1	1.51
I25	24 Feb 2025	9	13.54	69.63	6.4	33.42	7.9	25.1	1.53
I39	03 Feb 2025	1	13.72	91.11	8.8	33.42	8.2	25.0	0.64
I39	03 Feb 2025	2	13.71	90.96	8.8	33.41	8.2	25.0	0.67
I39	03 Feb 2025	3	13.70	91.16	8.7	33.42	8.2	25.0	0.75
I39	03 Feb 2025	4	13.29	91.20	8.2	33.52	8.2	25.2	0.79
I39	03 Feb 2025	5	12.44	91.94	6.9	33.62	8.1	25.4	0.74
I39	03 Feb 2025	6	12.21	93.82	5.8	33.59	8.0	25.5	0.31
I39	03 Feb 2025	7	11.89	94.54	5.2	33.62	7.9	25.5	0.19
I39	03 Feb 2025	8	11.82	94.42	4.8	33.61	7.9	25.5	0.14
I39	03 Feb 2025	9	11.81	94.22	4.6	33.61	7.9	25.5	0.14
I39	03 Feb 2025	10	11.75	93.86	4.4	33.64	7.9	25.6	0.13
I39	03 Feb 2025	11	11.76	93.72	4.3	33.64	7.8	25.6	0.14
I39	03 Feb 2025	12	11.75	93.89	4.1	33.67	7.8	25.6	0.14
I39	03 Feb 2025	13	11.75	93.85	4.0	33.67	7.8	25.6	0.15
I39	03 Feb 2025	14	11.75	93.96	4.0	33.67	7.8	25.6	0.15
I39	03 Feb 2025	15	11.75	94.01	3.9	33.68	7.8	25.6	0.15
I39	03 Feb 2025	16	11.75	93.90	3.9	33.68	7.8	25.6	0.15
I39	03 Feb 2025	17	11.75	93.95	3.9	33.68	7.8	25.6	0.15
I39	03 Feb 2025	18	11.75	93.95	3.9	33.68	7.8	25.6	0.15
I39	10 Feb 2025	1	13.53	83.30	8.3	33.38	8.1	25.0	1.86
I39	10 Feb 2025	2	13.53	83.20	8.3	33.38	8.1	25.0	1.87
I39	10 Feb 2025	3	13.53	83.67	8.3	33.38	8.1	25.0	2.20
I39	10 Feb 2025	4	13.53	83.99	8.3	33.38	8.1	25.0	2.21
I39	10 Feb 2025	5	13.53	83.36	8.3	33.39	8.1	25.0	2.41
I39	10 Feb 2025	6	13.52	83.49	8.2	33.41	8.1	25.1	2.53
I39	10 Feb 2025	7	13.52	84.74	8.2	33.45	8.1	25.1	3.26
I39	10 Feb 2025	8	13.48	86.69	7.9	33.44	8.1	25.1	3.28
I39	10 Feb 2025	9	13.00	88.86	7.0	33.47	8.0	25.2	2.20
I39	10 Feb 2025	10	12.60	90.50	6.0	33.51	7.9	25.3	1.55
I39	10 Feb 2025	11	12.20	91.73	5.5	33.52	7.9	25.4	1.70
I39	10 Feb 2025	12	12.12	92.04	5.2	33.53	7.9	25.4	1.06
I39	10 Feb 2025	13	12.10	92.32	5.2	33.53	7.9	25.4	1.03
I39	10 Feb 2025	14	12.10	92.37	5.1	33.54	7.9	25.4	1.04
I39	10 Feb 2025	15	12.07	92.30	5.0	33.54	7.9	25.4	1.05
I39	10 Feb 2025	16	11.98	92.09	4.7	33.56	7.8	25.5	0.93
I39	10 Feb 2025	17	11.88	90.53	4.4	33.59	7.8	25.5	0.70
I39	10 Feb 2025	18	11.87	88.90	4.2	33.60	7.8	25.5	0.60
I39	19 Feb 2025	1	14.13	81.34	9.5	33.38	8.2	24.9	1.55
I39	19 Feb 2025	2	14.03	82.11	9.5	33.39	8.2	24.9	1.73
I39	19 Feb 2025	3	13.85	82.82	9.3	33.40	8.2	25.0	2.50
I39	19 Feb 2025	4	13.38	82.28	8.6	33.42	8.1	25.1	4.53
I39	19 Feb 2025	5	13.12	83.13	7.8	33.42	8.1	25.1	4.33
I39	19 Feb 2025	6	12.73	85.28	7.0	33.46	8.0	25.3	3.94

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I39	19 Feb 2025	7	12.35	87.55	6.2	33.50	8.0	25.4	2.02
I39	19 Feb 2025	8	12.20	87.27	5.7	33.51	7.9	25.4	1.64
I39	19 Feb 2025	9	12.10	85.79	5.6	33.51	7.9	25.4	1.43
I39	19 Feb 2025	10	12.05	88.56	5.5	33.51	7.9	25.4	1.39
I39	19 Feb 2025	11	11.89	89.08	5.4	33.51	7.9	25.5	1.27
I39	19 Feb 2025	12	11.78	91.00	5.2	33.51	7.9	25.5	1.07
I39	19 Feb 2025	13	11.74	92.28	5.2	33.51	7.9	25.5	1.02
I39	19 Feb 2025	14	11.73	94.01	5.0	33.52	7.8	25.5	0.99
I39	19 Feb 2025	15	11.73	92.98	5.0	33.52	7.8	25.5	1.00
I39	19 Feb 2025	16	11.73	90.98	4.9	33.53	7.8	25.5	0.92
I39	19 Feb 2025	17	11.73	89.59	4.9	33.53	7.8	25.5	0.90
I39	19 Feb 2025	18	11.73	85.84	4.9	33.53	7.8	25.5	0.95
I39	24 Feb 2025	1	15.00	92.80	9.4	33.37	8.2	24.7	0.52
I39	24 Feb 2025	2	14.94	92.59	9.3	33.37	8.2	24.7	0.53
I39	24 Feb 2025	3	14.82	92.20	9.3	33.37	8.2	24.8	0.67
I39	24 Feb 2025	4	14.70	91.04	9.3	33.37	8.2	24.8	0.97
I39	24 Feb 2025	5	14.71	90.74	9.3	33.36	8.2	24.8	1.07
I39	24 Feb 2025	6	14.60	90.86	9.3	33.36	8.2	24.8	1.20
I39	24 Feb 2025	7	14.56	90.62	9.3	33.37	8.2	24.8	1.61
I39	24 Feb 2025	8	14.54	90.09	9.2	33.36	8.2	24.8	2.09
I39	24 Feb 2025	9	14.45	89.38	9.1	33.37	8.2	24.8	2.71
I39	24 Feb 2025	10	14.40	88.79	8.9	33.37	8.1	24.8	3.76
I39	24 Feb 2025	11	14.16	88.20	8.6	33.38	8.1	24.9	4.11
I39	24 Feb 2025	12	13.97	86.51	8.3	33.39	8.1	24.9	4.16
I39	24 Feb 2025	13	13.49	85.80	7.9	33.40	8.1	25.1	4.48
I39	24 Feb 2025	14	13.13	84.25	7.3	33.44	8.0	25.2	6.01
I39	24 Feb 2025	15	12.97	84.13	6.5	33.46	8.0	25.2	3.94
I39	24 Feb 2025	16	12.88	84.68	6.1	33.46	7.9	25.2	2.74
I39	24 Feb 2025	17	12.85	84.88	6.0	33.46	7.9	25.2	2.01
I39	24 Feb 2025	18	12.86	84.98	5.9	33.46	7.9	25.2	1.94
I26	03 Feb 2025	1	13.40	89.93	7.8	33.44	8.1	25.1	0.62
I26	03 Feb 2025	2	13.38	90.04	7.8	33.45	8.1	25.1	0.62
I26	03 Feb 2025	3	13.15	90.06	7.4	33.50	8.1	25.2	0.62
I26	03 Feb 2025	4	12.59	91.67	6.7	33.53	8.0	25.3	0.49
I26	03 Feb 2025	5	12.45	92.71	6.1	33.54	8.0	25.4	0.41
I26	03 Feb 2025	6	12.20	92.40	5.5	33.58	8.0	25.4	0.30
I26	03 Feb 2025	7	12.16	91.89	5.1	33.57	7.9	25.4	0.21
I26	03 Feb 2025	8	12.13	90.32	5.0	33.57	7.9	25.5	0.20
I26	03 Feb 2025	9	12.12	89.92	4.9	33.57	7.9	25.5	0.21
I26	10 Feb 2025	1	13.61	46.54	8.9	33.31	8.1	25.0	3.20
I26	10 Feb 2025	2	13.61	41.07	8.9	33.37	8.1	25.0	3.26
I26	10 Feb 2025	3	13.59	67.59	8.8	33.38	8.1	25.0	4.61
I26	10 Feb 2025	4	13.46	71.18	8.7	33.42	8.1	25.1	6.14
I26	10 Feb 2025	5	13.09	69.37	8.1	33.48	8.1	25.2	8.74
I26	10 Feb 2025	6	13.00	74.38	7.6	33.48	8.0	25.2	6.43
I26	10 Feb 2025	7	12.88	78.90	7.0	33.48	8.0	25.2	4.96
I26	10 Feb 2025	8	12.42	81.77	6.0	33.53	8.0	25.4	3.31
I26	10 Feb 2025	9	12.35	81.26	5.4	33.53	7.9	25.4	1.78
I26	19 Feb 2025	1	14.40	63.90	9.0	33.38	8.1	24.9	1.53
I26	19 Feb 2025	2	14.10	64.74	9.0	33.39	8.1	24.9	1.90
I26	19 Feb 2025	3	13.80	60.92	8.7	33.40	8.1	25.0	4.09
I26	19 Feb 2025	4	13.63	59.86	8.4	33.41	8.1	25.0	4.72
I26	19 Feb 2025	5	13.50	71.79	8.2	33.42	8.1	25.1	5.49
I26	19 Feb 2025	6	13.44	77.96	8.1	33.42	8.1	25.1	5.47
I26	19 Feb 2025	7	13.24	80.06	7.6	33.44	8.1	25.1	5.35
I26	19 Feb 2025	8	13.20	76.98	7.0	33.45	8.0	25.2	5.19
I26	19 Feb 2025	9	12.95	56.62	5.0	33.47	8.0	25.2	4.47
I26	24 Feb 2025	1	15.04	91.22	9.1	33.38	8.2	24.7	0.62
I26	24 Feb 2025	2	15.03	90.13	9.1	33.38	8.2	24.7	0.57
I26	24 Feb 2025	3	14.82	90.59	9.0	33.39	8.2	24.8	0.78
I26	24 Feb 2025	4	14.28	85.84	9.0	33.40	8.1	24.9	2.64
I26	24 Feb 2025	5	14.23	78.24	8.6	33.39	8.1	24.9	4.14
I26	24 Feb 2025	6	13.45	81.97	7.7	33.42	8.1	25.1	4.25
I26	24 Feb 2025	7	13.18	81.42	6.8	33.45	8.0	25.2	3.08
I26	24 Feb 2025	8	13.12	80.59	6.4	33.45	8.0	25.2	3.17
I26	24 Feb 2025	9	13.16	79.04	6.5	33.44	8.0	25.2	3.00
I32	03 Feb 2025	1	13.60	76.09	8.3	33.43	8.1	25.1	2.00
I32	03 Feb 2025	2	13.51	75.78	8.1	33.46	8.1	25.1	2.02

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I32	03 Feb 2025	3	13.17	71.45	7.7	33.48	8.1	25.2	2.29
I32	03 Feb 2025	4	12.88	68.39	7.3	33.54	8.1	25.3	2.49
I32	03 Feb 2025	5	12.58	70.16	6.6	33.55	8.0	25.3	2.18
I32	03 Feb 2025	6	12.32	75.16	5.8	33.57	8.0	25.4	1.23
I32	03 Feb 2025	7	12.14	79.21	5.2	33.58	7.9	25.5	0.63
I32	03 Feb 2025	8	12.13	83.05	5.0	33.57	7.9	25.5	0.50
I32	03 Feb 2025	9	12.12	79.30	4.9	33.57	7.9	25.5	0.50
I32	03 Feb 2025	10	12.13	74.07	4.9	33.57	7.9	25.5	0.52
I32	10 Feb 2025	1	13.59	73.72	8.6	33.47	8.1	25.1	2.79
I32	10 Feb 2025	2	13.56	73.90	8.6	33.47	8.1	25.1	2.98
I32	10 Feb 2025	3	13.51	72.46	8.5	33.47	8.1	25.1	4.28
I32	10 Feb 2025	4	13.46	70.71	8.4	33.48	8.1	25.1	5.61
I32	10 Feb 2025	5	13.27	68.01	8.2	33.49	8.1	25.2	6.84
I32	10 Feb 2025	6	13.13	63.50	7.8	33.50	8.0	25.2	8.28
I32	10 Feb 2025	7	12.98	59.61	7.4	33.51	8.0	25.2	6.18
I32	10 Feb 2025	8	12.87	56.56	7.0	33.52	7.9	25.3	3.89
I32	10 Feb 2025	9	12.60	51.31	6.0	33.53	7.9	25.3	3.24
I32	10 Feb 2025	10	12.84	47.51	6.4	33.51	7.9	25.3	4.57
I32	19 Feb 2025	1	14.20	74.47	9.3	33.37	8.2	24.9	2.46
I32	19 Feb 2025	2	14.16	73.23	9.2	33.38	8.2	24.9	2.31
I32	19 Feb 2025	3	13.85	74.83	9.0	33.40	8.1	25.0	3.49
I32	19 Feb 2025	4	13.79	72.68	8.8	33.39	8.1	25.0	5.11
I32	19 Feb 2025	5	13.76	68.34	8.8	33.39	8.1	25.0	6.75
I32	19 Feb 2025	6	13.66	60.70	8.6	33.40	8.1	25.0	7.23
I32	19 Feb 2025	7	13.54	42.15	8.2	33.41	8.1	25.1	5.85
I32	19 Feb 2025	8	13.41	26.97	7.8	33.42	8.0	25.1	5.58
I32	19 Feb 2025	9	13.01	20.97	6.9	33.46	8.0	25.2	5.03
I32	19 Feb 2025	10	12.78	15.20	6.1	33.48	7.9	25.3	4.64
I32	24 Feb 2025	1	14.86	84.36	8.5	33.40	8.1	24.8	1.05
I32	24 Feb 2025	2	14.81	83.97	8.6	33.40	8.1	24.8	1.20
I32	24 Feb 2025	3	14.67	83.71	8.6	33.40	8.1	24.8	1.39
I32	24 Feb 2025	4	14.22	80.29	8.9	33.41	8.1	24.9	4.83
I32	24 Feb 2025	5	13.80	72.16	8.5	33.42	8.1	25.0	10.17
I32	24 Feb 2025	6	13.54	75.95	7.4	33.43	8.0	25.1	6.69
I32	24 Feb 2025	7	13.41	79.14	6.7	33.43	8.0	25.1	5.12
I32	24 Feb 2025	8	13.32	77.87	6.2	33.44	7.9	25.1	4.14
I32	24 Feb 2025	9	13.16	63.62	5.7	33.45	7.9	25.2	2.66
I32	24 Feb 2025	10	13.26	43.02	5.6	33.44	7.9	25.1	3.07

NA = not available

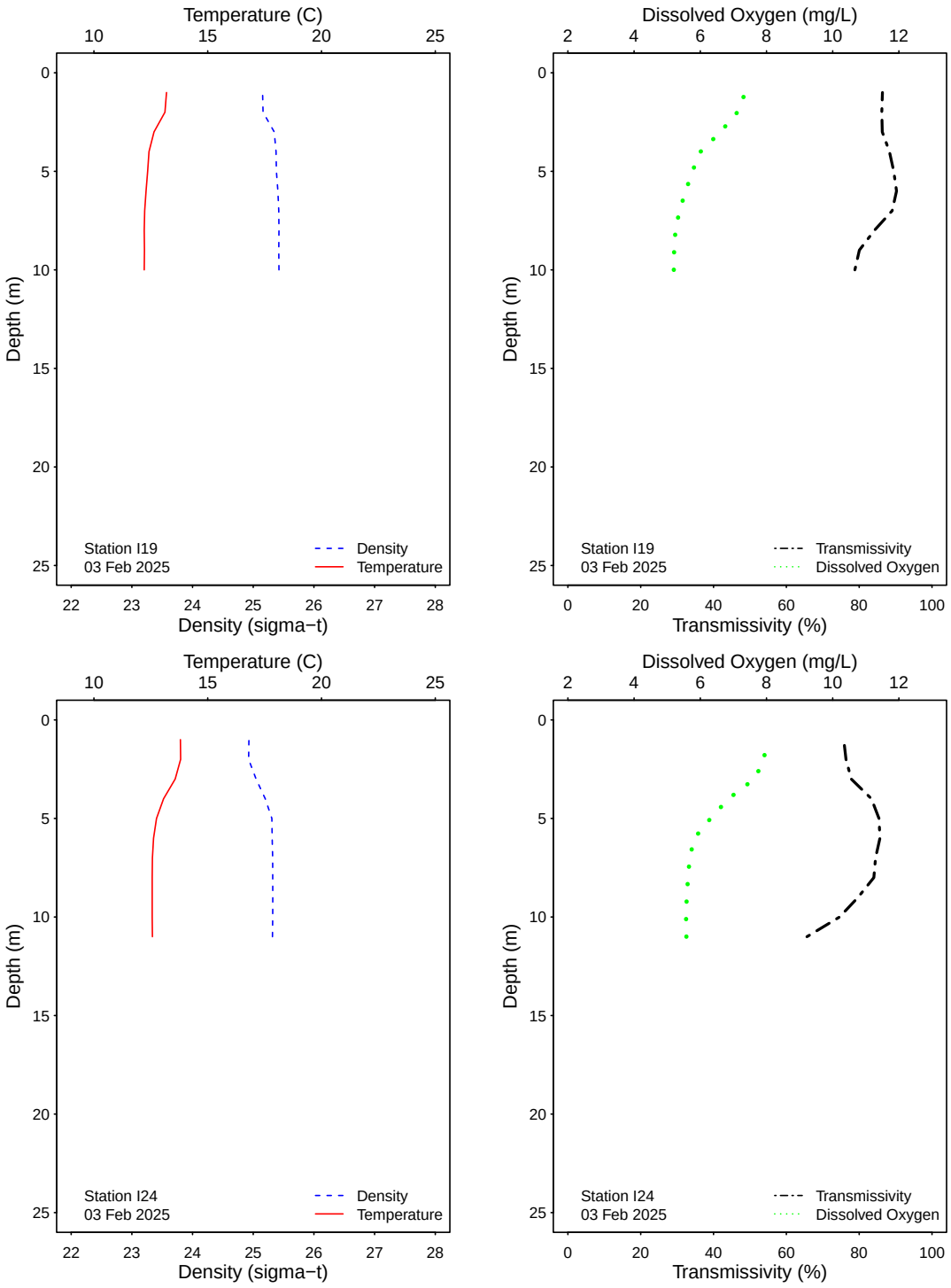

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

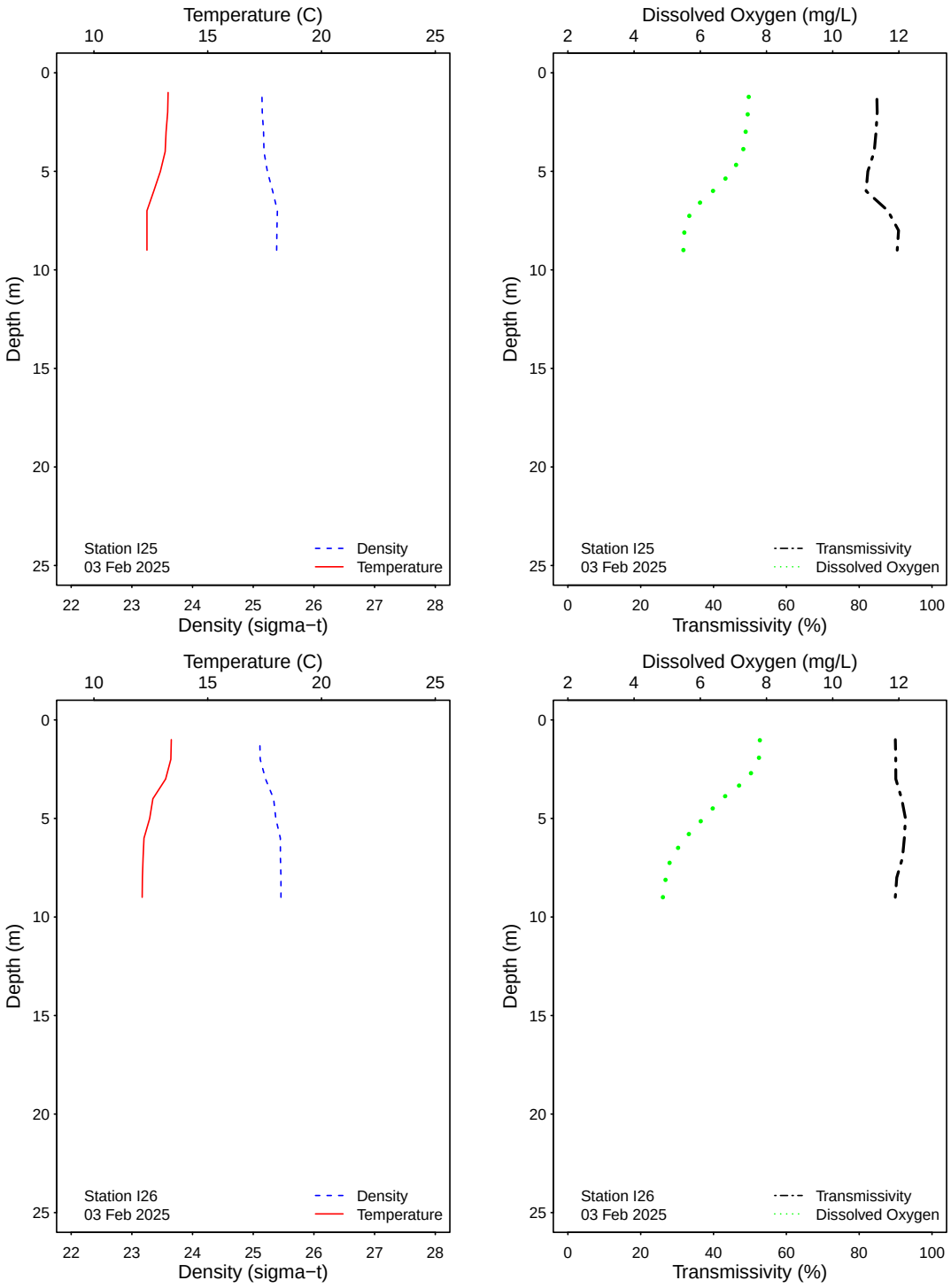

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

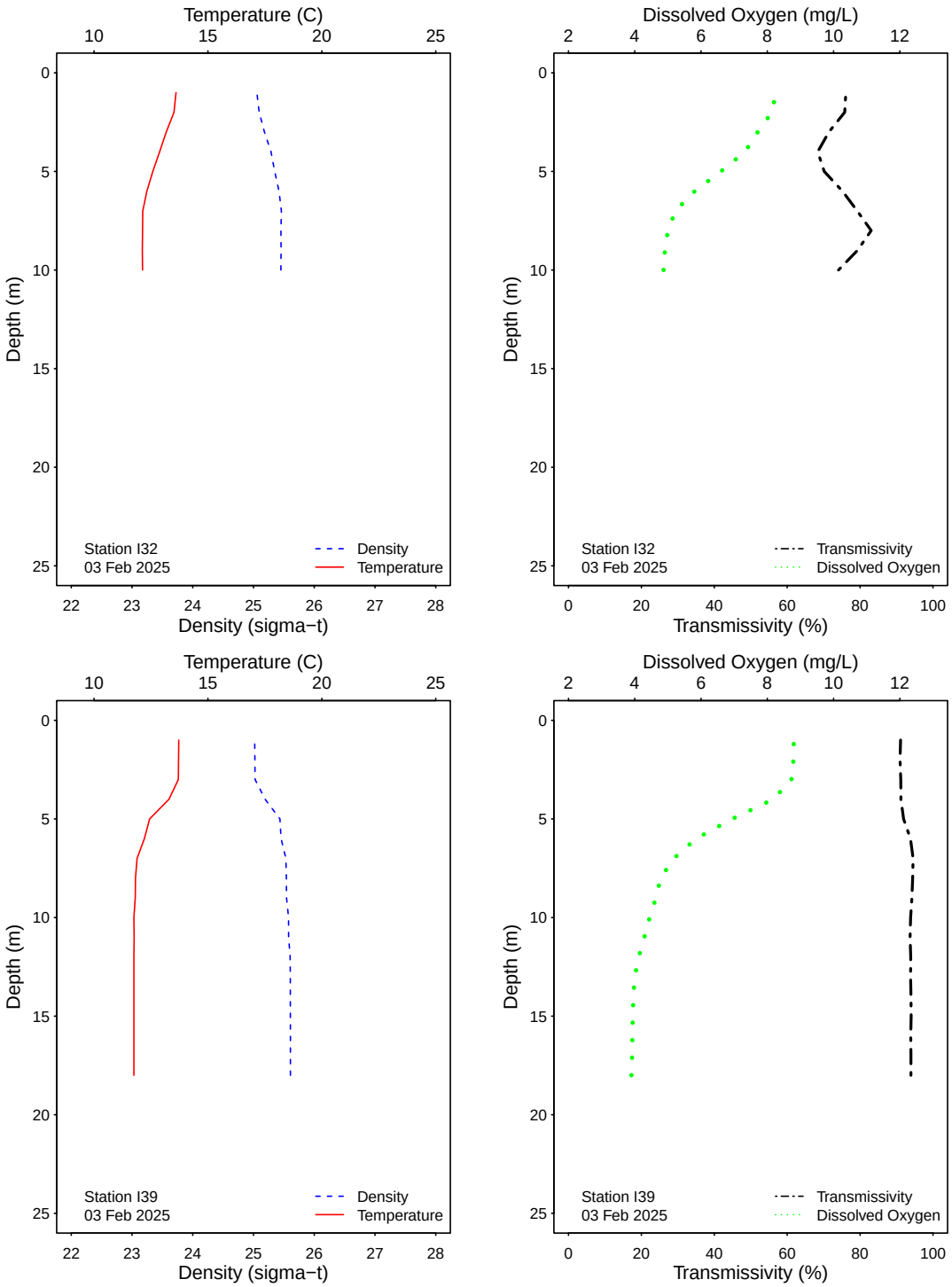

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

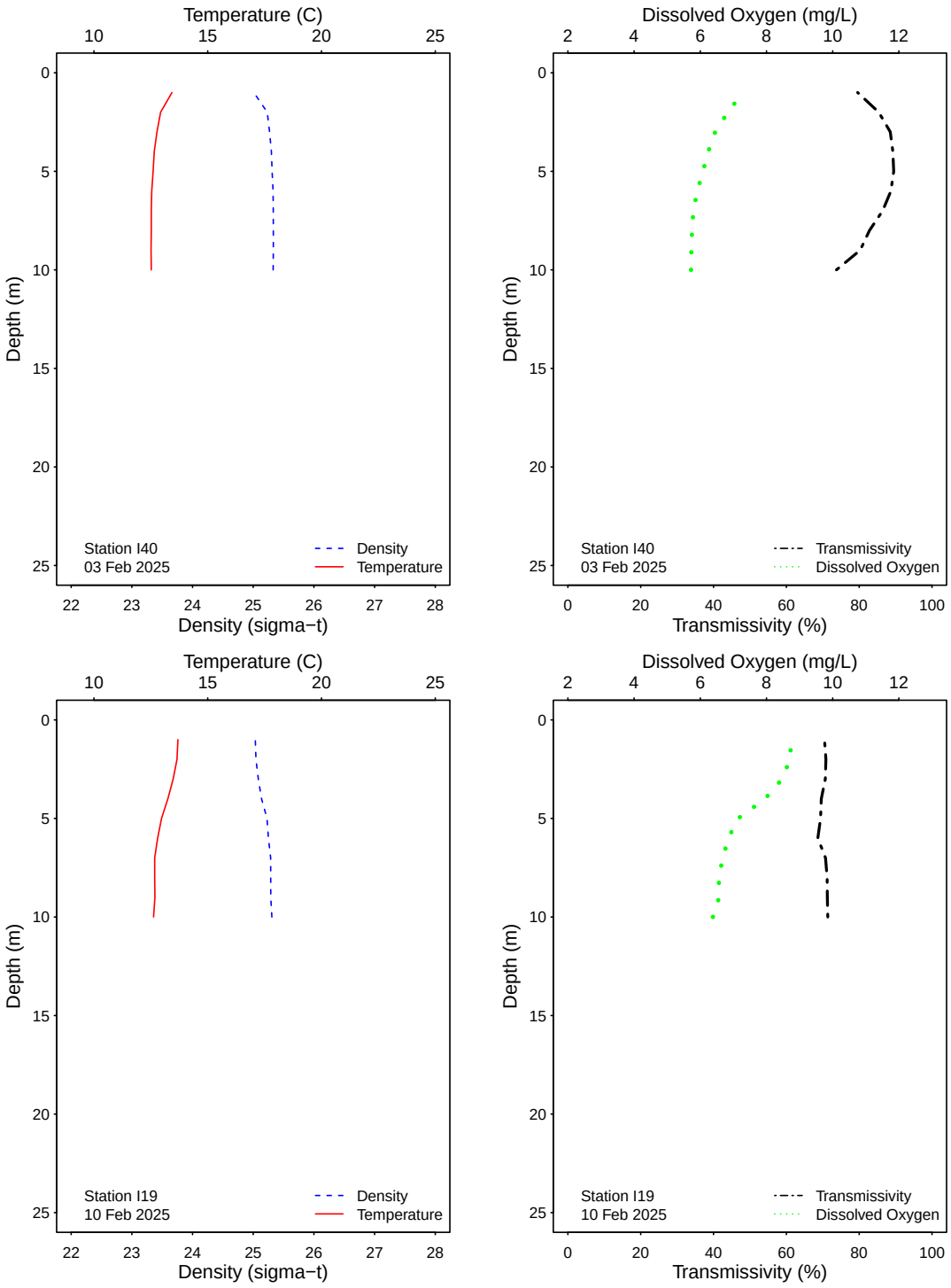

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

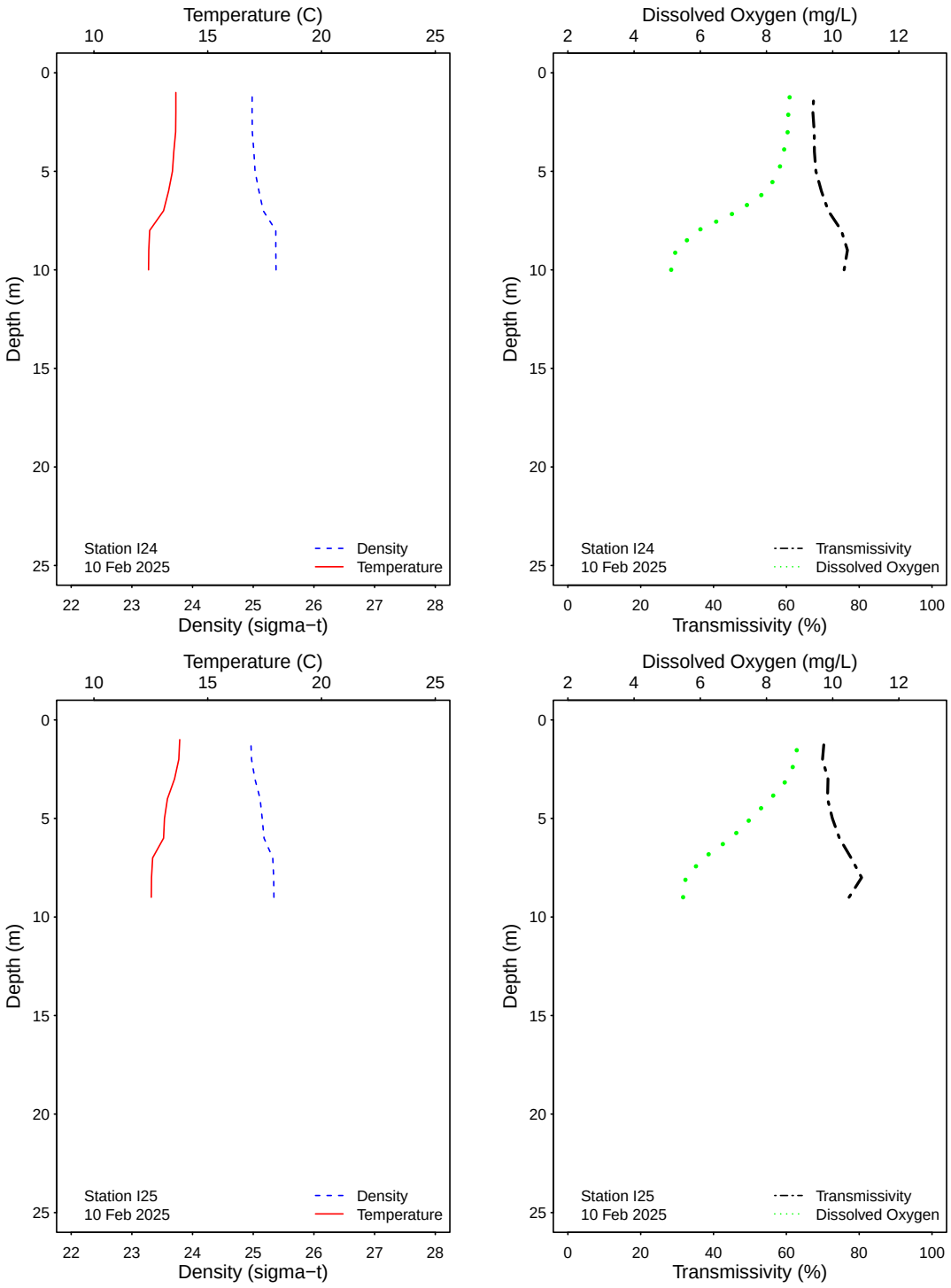

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

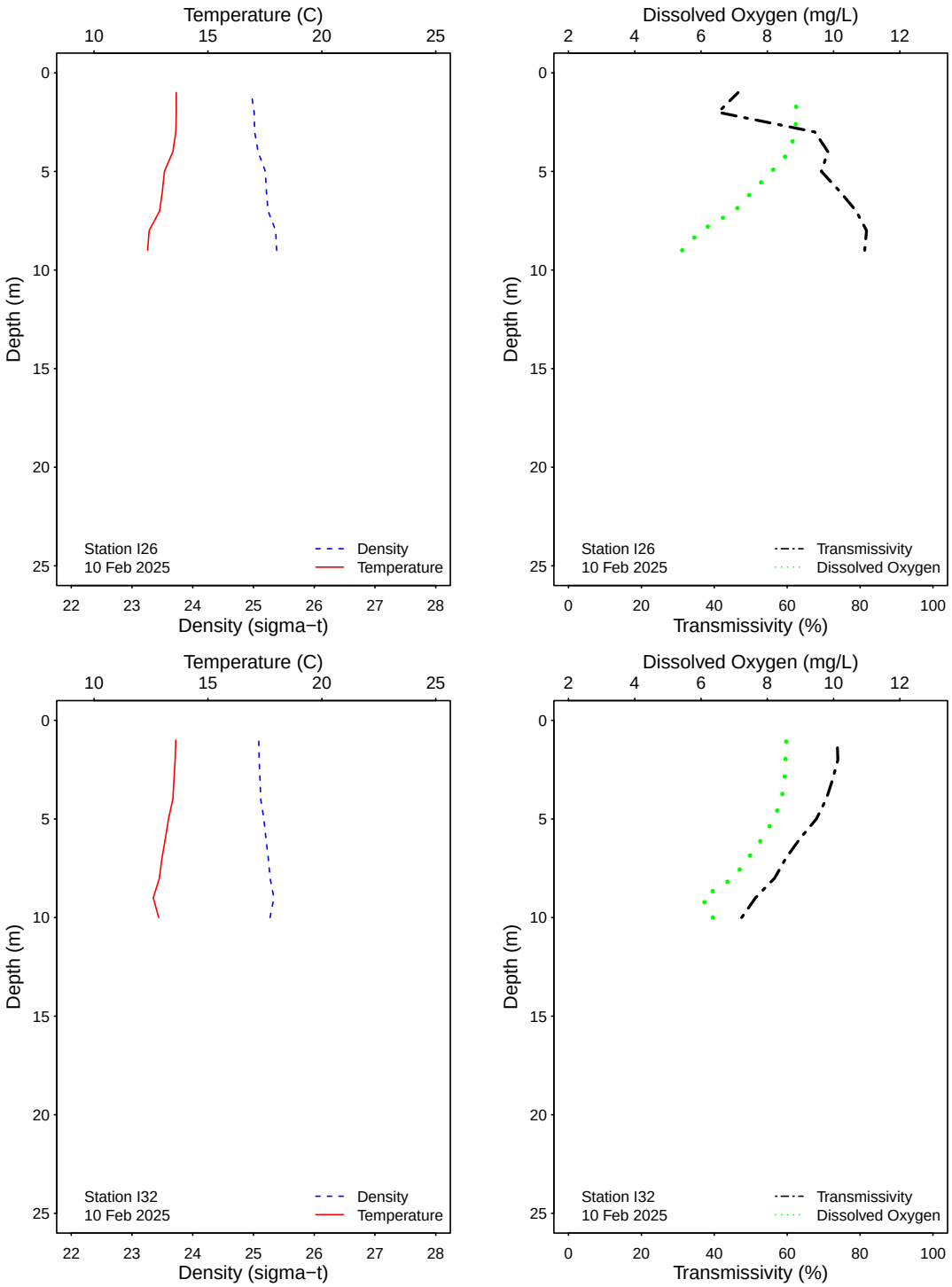

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

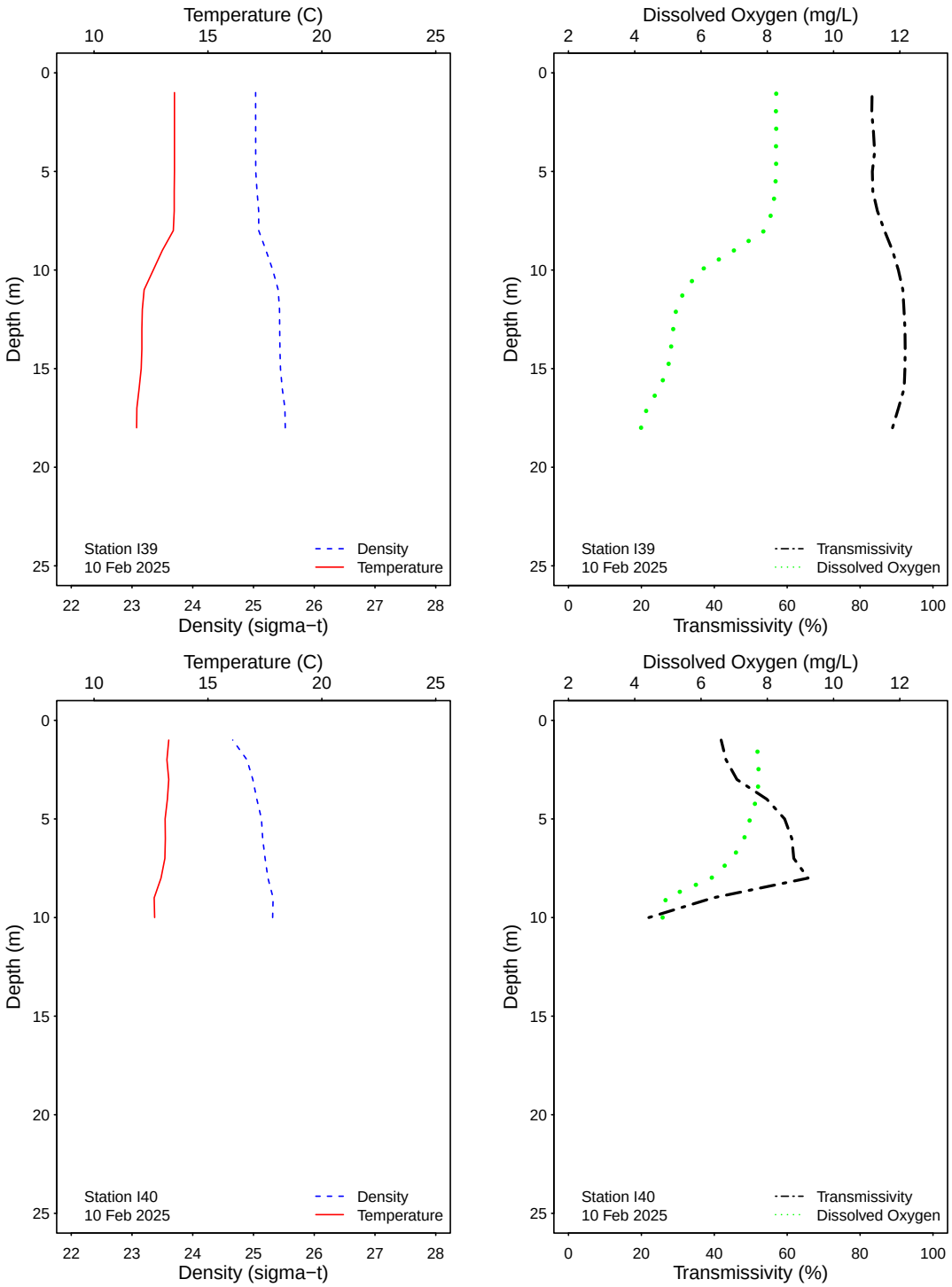

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

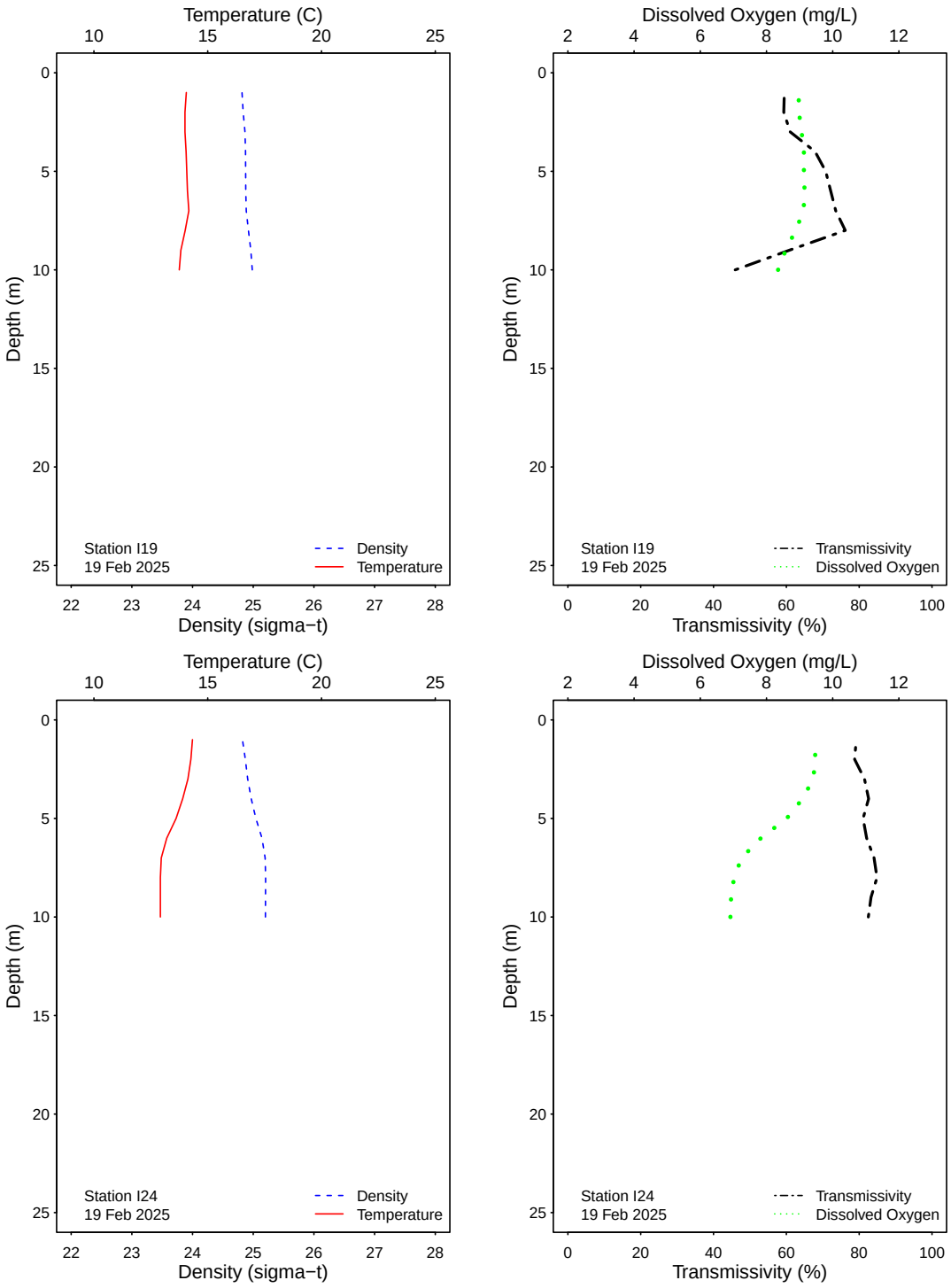

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

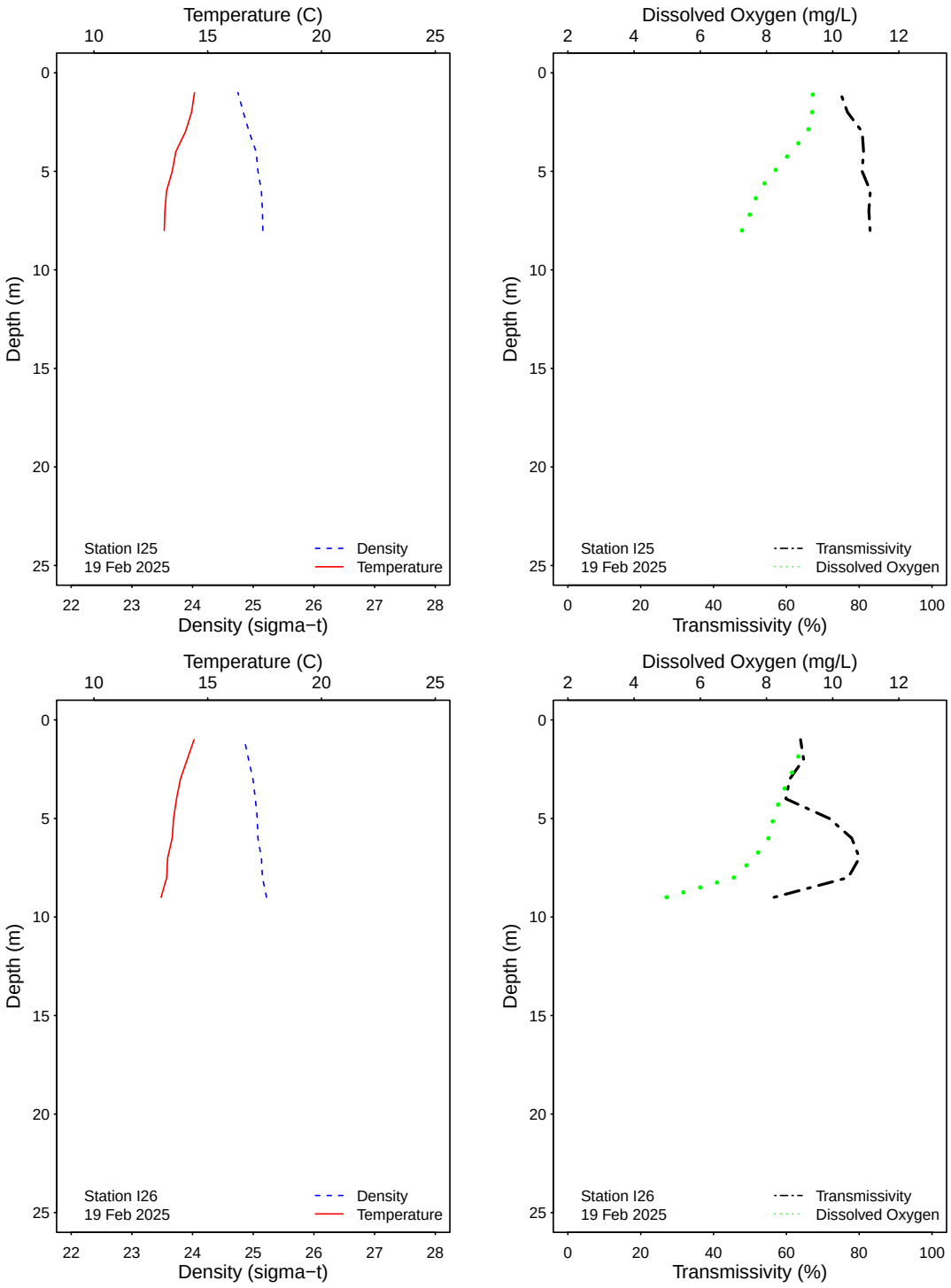

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

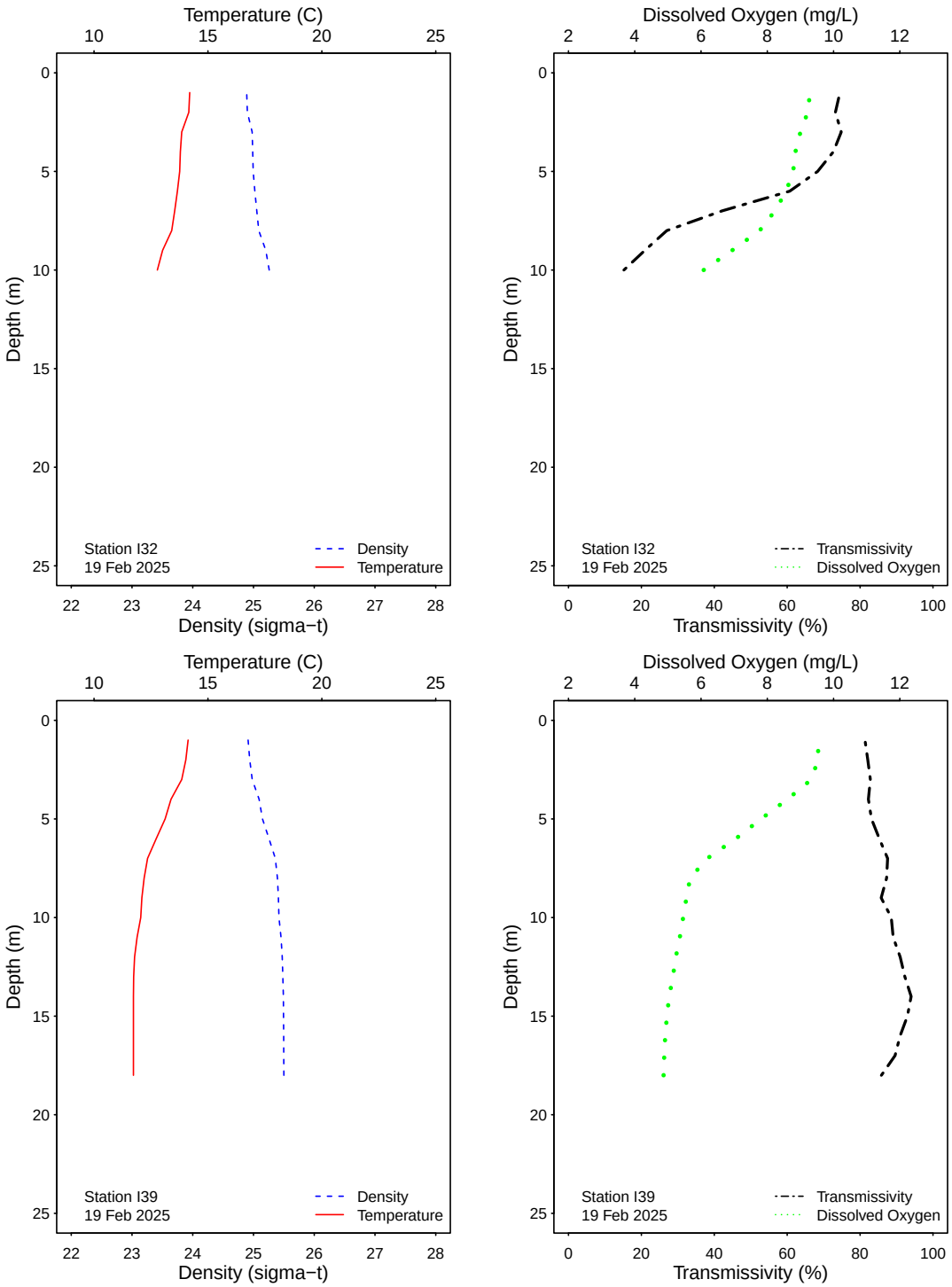

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

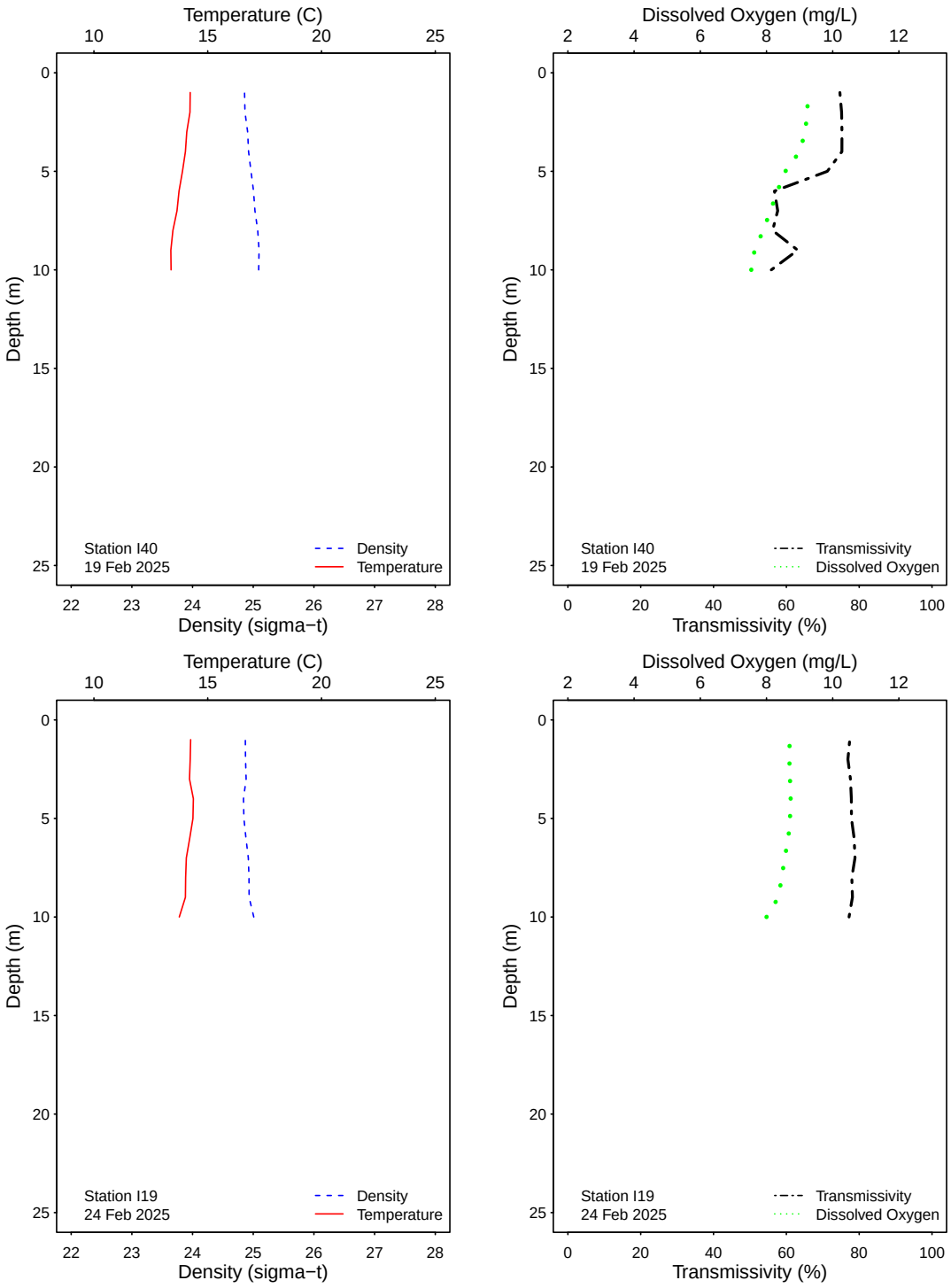

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

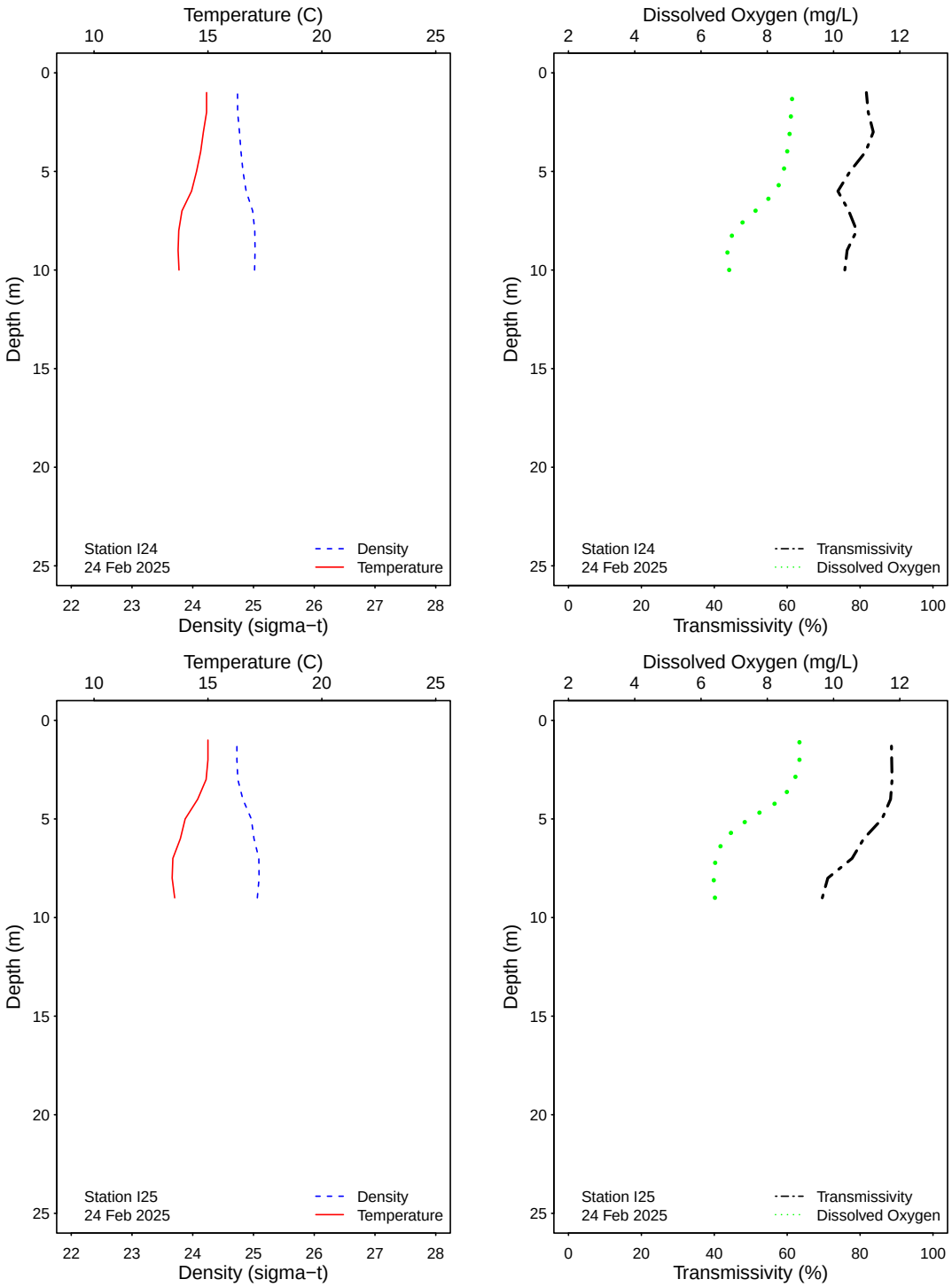

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

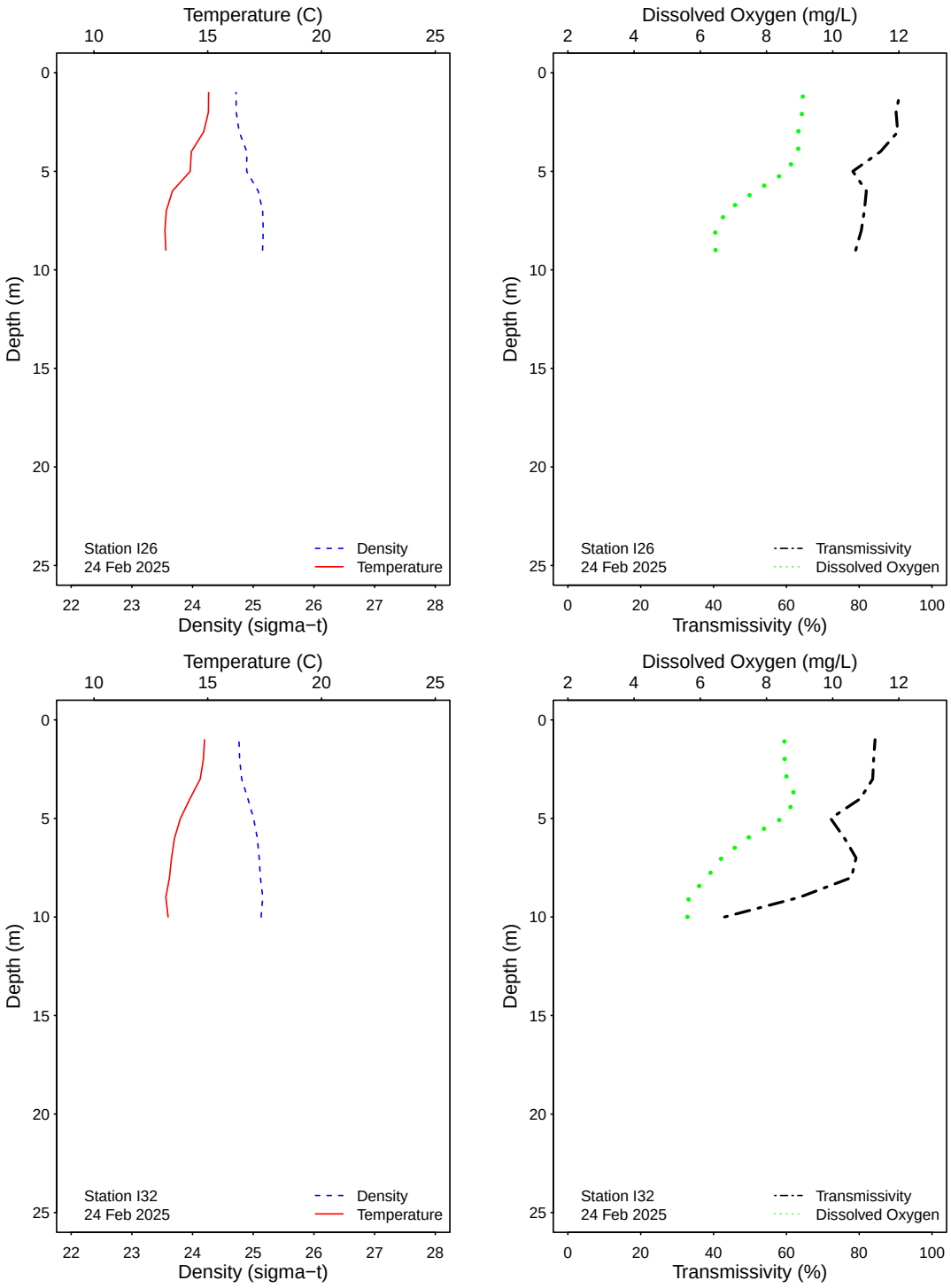

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

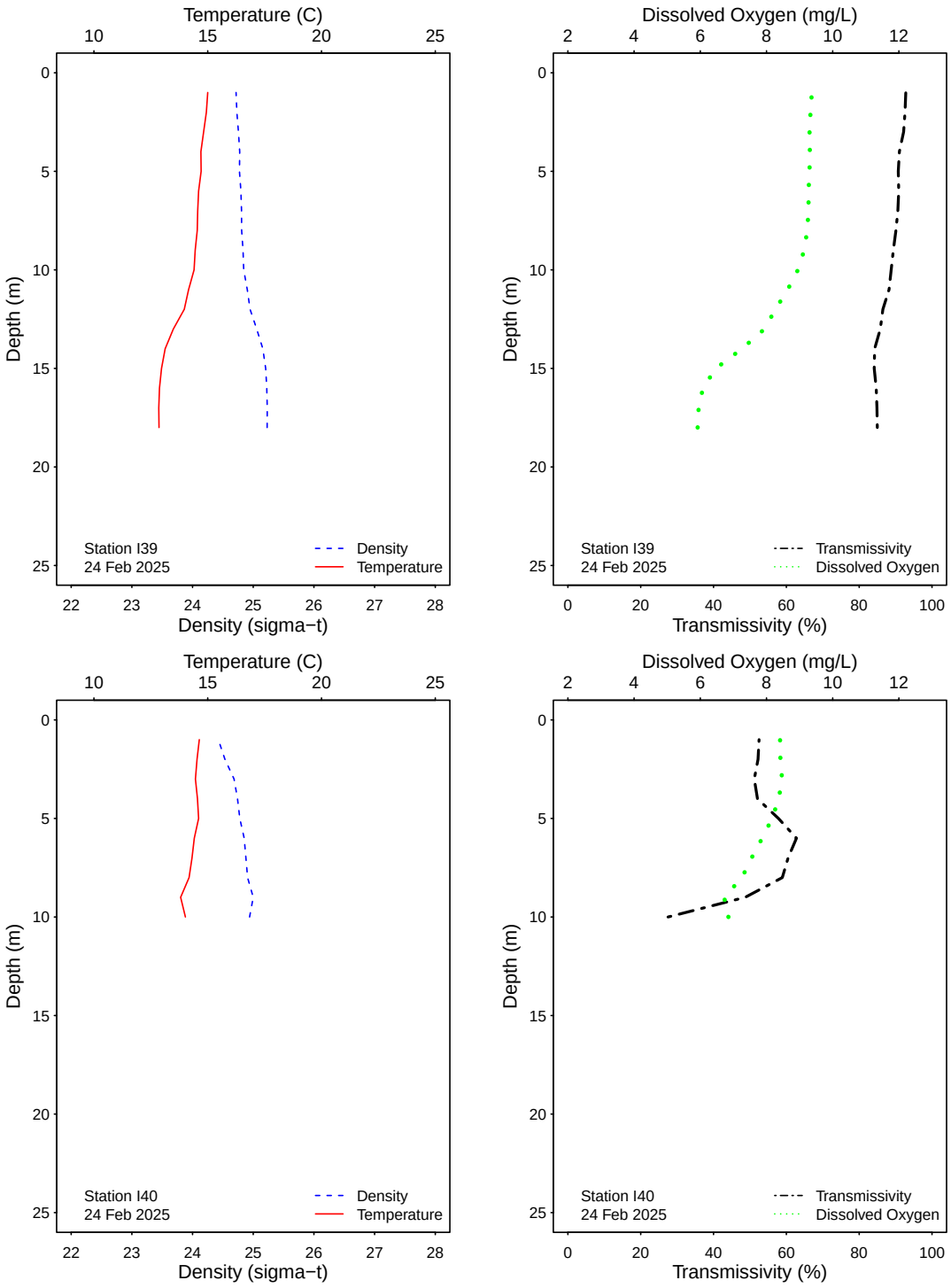

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

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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
05 Feb 2025	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
06 Feb 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
February	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.

	I12			I14			I16			I18			I22			I23			I33			I36			I37			I38		
Date	**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**
February	IC	**E**	**E**	IC	IC	**E**	IC	**E**	**E**	IC	IC	IC	IC	IC	**E**	IC	IC	IC	IC	IC	IC	IC	**E**	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	04 Feb 2025	1032	2	8e	2e	<2
I10	04 Feb 2025	1032	12	220e	26e	2e
I10	04 Feb 2025	1032	18	200e	18e	4e
I11	04 Feb 2025	1023	2	86	12e	4e
I11	04 Feb 2025	1023	6	12000	2000e	740
I11	04 Feb 2025	1023	11	1100	340e	96
I12	05 Feb 2025	1037	2	4e	4e	<2
I12	05 Feb 2025	1037	18	520	70	8e
I12	05 Feb 2025	1037	27	600e	56	2e
I13	05 Feb 2025	1225	2	<2	<2	<2
I13	05 Feb 2025	1225	18	8e	<2	<2
I13	05 Feb 2025	1225	37	600e	78	8e
I14	05 Feb 2025	1019	2	<2	<2	<2
I14	05 Feb 2025	1019	18	16e	<2	<2
I14	05 Feb 2025	1019	27	560	66	2e
I16	05 Feb 2025	1029	2	10e	10e	2e
I16	05 Feb 2025	1029	18	420	64	10e
I16	05 Feb 2025	1029	27	1000e	46	4e
I18	05 Feb 2025	952	2	<2	<2	<2
I18	05 Feb 2025	952	12	120e	32e	12e
I18	05 Feb 2025	952	18	100e	6e	4e
I20	05 Feb 2025	828	2	<2	<2	<2
I20	05 Feb 2025	828	18	<2	<2	<2
I20	05 Feb 2025	828	55	1600e	400	48
I21	05 Feb 2025	845	2	<2	<2	<2
I21	05 Feb 2025	845	18	22e	6e	<2
I21	05 Feb 2025	845	37	400e	160e	50
I22	05 Feb 2025	927	2	2e	2e	2e
I22	05 Feb 2025	927	18	140e	16e	2e
I22	05 Feb 2025	927	27	600	62	4e
I23	05 Feb 2025	939	2	<2	<2	<2
I23	05 Feb 2025	939	12	200e	26e	10e
I23	05 Feb 2025	939	18	62	8e	4e
I3	04 Feb 2025	932	2	<2	<2	<2
I3	04 Feb 2025	932	18	60	10e	4e
I3	04 Feb 2025	932	27	56	6e	<2
I30	06 Feb 2025	901	2	<2	<2	<2
I30	06 Feb 2025	901	18	46	2e	2e
I30	06 Feb 2025	901	27	56	6e	2e

Station	Date	Time	Depth	Total	Fecal	Entero
I33	06 Feb 2025	814	2	<2	<2	2e
I33	06 Feb 2025	814	18	68	6e	<2
I33	06 Feb 2025	814	27	84	18e	2e
I36	06 Feb 2025	929	2	44	10e	10e
I36	06 Feb 2025	929	6	420	50	84
I36	06 Feb 2025	929	11	18e	4e	6e
I37	06 Feb 2025	746	2	26e	<2	6e
I37	06 Feb 2025	746	6	28e	2e	8e
I37	06 Feb 2025	746	11	14e	8e	10e
I38	06 Feb 2025	956	2	4e	<2	<2
I38	06 Feb 2025	956	6	12e	<2	<2
I38	06 Feb 2025	956	11	40e	2e	4e
I5	04 Feb 2025	952	2	1400	120	68
I5	04 Feb 2025	952	6	940	280e	160e
I5	04 Feb 2025	952	11	2400e	88	44
I7	04 Feb 2025	822	2	<2	<2	<2
I7	04 Feb 2025	822	18	<2	<2	<2
I7	04 Feb 2025	822	52	600	80	8e
I8	04 Feb 2025	1100	2	<2	<2	<2
I8	04 Feb 2025	1100	18	12e	<2	<2
I8	04 Feb 2025	1100	37	2200e	440	44
I9	04 Feb 2025	1045	2	4e	2e	<2
I9	04 Feb 2025	1045	18	1600e	100	8e
I9	04 Feb 2025	1045	27	880	110	16e

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	04 Feb 2025	Arrive Time	932
I3	04 Feb 2025	Depart Time	937
I3	04 Feb 2025	Air Temp (C)	12.6
I3	04 Feb 2025	Visibility (mi)	8
I3	04 Feb 2025	Wind Speed (kts)	11.3
I3	04 Feb 2025	Wind Dir	E
I3	04 Feb 2025	Sea State	Light Chop
I3	04 Feb 2025	High Tide Time	106
I3	04 Feb 2025	Low Tide Time	800
I3	04 Feb 2025	Comments	
I5	04 Feb 2025	Arrive Time	952
I5	04 Feb 2025	Depart Time	1000
I5	04 Feb 2025	Air Temp (C)	12.8
I5	04 Feb 2025	Visibility (mi)	8
I5	04 Feb 2025	Wind Speed (kts)	8.7
I5	04 Feb 2025	Wind Dir	E
I5	04 Feb 2025	Sea State	Light Chop
I5	04 Feb 2025	High Tide Time	106
I5	04 Feb 2025	Low Tide Time	800
I5	04 Feb 2025	Comments	
I11	04 Feb 2025	Arrive Time	1023
I11	04 Feb 2025	Depart Time	1027
I11	04 Feb 2025	Air Temp (C)	13.3
I11	04 Feb 2025	Visibility (mi)	8
I11	04 Feb 2025	Wind Speed (kts)	3.1
I11	04 Feb 2025	Wind Dir	SW
I11	04 Feb 2025	Sea State	Light Chop
I11	04 Feb 2025	High Tide Time	106
I11	04 Feb 2025	Low Tide Time	800
I11	04 Feb 2025	Comments	
I10	04 Feb 2025	Arrive Time	1032
I10	04 Feb 2025	Depart Time	1036
I10	04 Feb 2025	Air Temp (C)	13.4
I10	04 Feb 2025	Visibility (mi)	8
I10	04 Feb 2025	Wind Speed (kts)	1.1
I10	04 Feb 2025	Wind Dir	S
I10	04 Feb 2025	Sea State	Light Chop
I10	04 Feb 2025	High Tide Time	106
I10	04 Feb 2025	Low Tide Time	800
I10	04 Feb 2025	Comments	
I7	04 Feb 2025	Arrive Time	822
I7	04 Feb 2025	Depart Time	832
I7	04 Feb 2025	Air Temp (C)	12.9
I7	04 Feb 2025	Visibility (mi)	10
I7	04 Feb 2025	Wind Speed (kts)	9.2
I7	04 Feb 2025	Wind Dir	S
I7	04 Feb 2025	Sea State	Light Chop
I7	04 Feb 2025	High Tide Time	106
I7	04 Feb 2025	Low Tide Time	800
I7	04 Feb 2025	Comments	
I12	05 Feb 2025	Arrive Time	1037

Station	Date	Parameter	Value
I12	05 Feb 2025	Depart Time	1041
I12	05 Feb 2025	Air Temp (C)	14.4
I12	05 Feb 2025	Visibility (mi)	12
I12	05 Feb 2025	Wind Speed (kts)	0.8
I12	05 Feb 2025	Wind Dir	S
I12	05 Feb 2025	Sea State	Calm
I12	05 Feb 2025	High Tide Time	200
I12	05 Feb 2025	Low Tide Time	954
I12	05 Feb 2025	Comments	OA 1m Btl# Nsk# ;OA 26m Btl# Nsk# ;OA 26m-dup Btl# Nsk# ;
I18	05 Feb 2025	Arrive Time	952
I18	05 Feb 2025	Depart Time	955
I18	05 Feb 2025	Air Temp (C)	14.3
I18	05 Feb 2025	Visibility (mi)	6
I18	05 Feb 2025	Wind Speed (kts)	1.4
I18	05 Feb 2025	Wind Dir	W
I18	05 Feb 2025	Sea State	Calm
I18	05 Feb 2025	High Tide Time	200
I18	05 Feb 2025	Low Tide Time	954
I18	05 Feb 2025	Comments	
I13	05 Feb 2025	Arrive Time	1225
I13	05 Feb 2025	Depart Time	1229
I13	05 Feb 2025	Air Temp (C)	15.6
I13	05 Feb 2025	Visibility (mi)	12
I13	05 Feb 2025	Wind Speed (kts)	1.9
I13	05 Feb 2025	Wind Dir	W
I13	05 Feb 2025	Sea State	Calm
I13	05 Feb 2025	High Tide Time	200
I13	05 Feb 2025	Low Tide Time	954
I13	05 Feb 2025	Comments	
I16	05 Feb 2025	Arrive Time	1029
I16	05 Feb 2025	Depart Time	1033
I16	05 Feb 2025	Air Temp (C)	14.6
I16	05 Feb 2025	Visibility (mi)	12
I16	05 Feb 2025	Wind Speed (kts)	2.5
I16	05 Feb 2025	Wind Dir	NW
I16	05 Feb 2025	Sea State	Calm
I16	05 Feb 2025	High Tide Time	200
I16	05 Feb 2025	Low Tide Time	954
I16	05 Feb 2025	Comments	
I14	05 Feb 2025	Arrive Time	1019
I14	05 Feb 2025	Depart Time	1025
I14	05 Feb 2025	Air Temp (C)	14.3
I14	05 Feb 2025	Visibility (mi)	12
I14	05 Feb 2025	Wind Speed (kts)	1.2
I14	05 Feb 2025	Wind Dir	S
I14	05 Feb 2025	Sea State	Calm
I14	05 Feb 2025	High Tide Time	200
I14	05 Feb 2025	Low Tide Time	954
I14	05 Feb 2025	Comments	
I23	05 Feb 2025	Arrive Time	939
I23	05 Feb 2025	Depart Time	942
I23	05 Feb 2025	Air Temp (C)	14.6
I23	05 Feb 2025	Visibility (mi)	6
I23	05 Feb 2025	Wind Speed (kts)	0
I23	05 Feb 2025	Wind Dir	NW

Station	Date	Parameter	Value
I23	05 Feb 2025	Sea State	Calm
I23	05 Feb 2025	High Tide Time	200
I23	05 Feb 2025	Low Tide Time	954
I23	05 Feb 2025	Comments	
I22	05 Feb 2025	Arrive Time	927
I22	05 Feb 2025	Depart Time	938
I22	05 Feb 2025	Air Temp (C)	14.4
I22	05 Feb 2025	Visibility (mi)	6
I22	05 Feb 2025	Wind Speed (kts)	1.7
I22	05 Feb 2025	Wind Dir	E
I22	05 Feb 2025	Sea State	Calm
I22	05 Feb 2025	High Tide Time	200
I22	05 Feb 2025	Low Tide Time	954
I22	05 Feb 2025	Comments	
I20	05 Feb 2025	Arrive Time	828
I20	05 Feb 2025	Depart Time	834
I20	05 Feb 2025	Air Temp (C)	13.2
I20	05 Feb 2025	Visibility (mi)	6
I20	05 Feb 2025	Wind Speed (kts)	2.7
I20	05 Feb 2025	Wind Dir	NE
I20	05 Feb 2025	Sea State	Calm
I20	05 Feb 2025	High Tide Time	200
I20	05 Feb 2025	Low Tide Time	954
I20	05 Feb 2025	Comments	
I21	05 Feb 2025	Arrive Time	845
I21	05 Feb 2025	Depart Time	851
I21	05 Feb 2025	Air Temp (C)	13
I21	05 Feb 2025	Visibility (mi)	6
I21	05 Feb 2025	Wind Speed (kts)	5.4
I21	05 Feb 2025	Wind Dir	NE
I21	05 Feb 2025	Sea State	Calm
I21	05 Feb 2025	High Tide Time	200
I21	05 Feb 2025	Low Tide Time	954
I21	05 Feb 2025	Comments	OA 1m Btl# 2502059656 Nsk# 5;OA 41m Btl# 2502059657 Nsk# 4;
I30	06 Feb 2025	Arrive Time	901
I30	06 Feb 2025	Depart Time	906
I30	06 Feb 2025	Air Temp (C)	13.5
I30	06 Feb 2025	Visibility (mi)	5
I30	06 Feb 2025	Wind Speed (kts)	3.9
I30	06 Feb 2025	Wind Dir	NE
I30	06 Feb 2025	Sea State	Light Chop
I30	06 Feb 2025	High Tide Time	312
I30	06 Feb 2025	Low Tide Time	1118
I30	06 Feb 2025	Comments	
I33	06 Feb 2025	Arrive Time	814
I33	06 Feb 2025	Depart Time	814
I33	06 Feb 2025	Air Temp (C)	13.1
I33	06 Feb 2025	Visibility (mi)	5
I33	06 Feb 2025	Wind Speed (kts)	8
I33	06 Feb 2025	Wind Dir	SE
I33	06 Feb 2025	Sea State	Light Chop
I33	06 Feb 2025	High Tide Time	312
I33	06 Feb 2025	Low Tide Time	1118
I33	06 Feb 2025	Comments	

Station	Date	Parameter	Value
I36	06 Feb 2025	Arrive Time	929
I36	06 Feb 2025	Depart Time	932
I36	06 Feb 2025	Air Temp (C)	14.3
I36	06 Feb 2025	Visibility (mi)	5
I36	06 Feb 2025	Wind Speed (kts)	3
I36	06 Feb 2025	Wind Dir	N
I36	06 Feb 2025	Sea State	Light Chop
I36	06 Feb 2025	High Tide Time	312
I36	06 Feb 2025	Low Tide Time	1118
I36	06 Feb 2025	Comments	
I37	06 Feb 2025	Arrive Time	746
I37	06 Feb 2025	Depart Time	750
I37	06 Feb 2025	Air Temp (C)	12.9
I37	06 Feb 2025	Visibility (mi)	5
I37	06 Feb 2025	Wind Speed (kts)	6.2
I37	06 Feb 2025	Wind Dir	NE
I37	06 Feb 2025	Sea State	Light Chop
I37	06 Feb 2025	High Tide Time	312
I37	06 Feb 2025	Low Tide Time	1118
I37	06 Feb 2025	Comments	Submarine on station
I38	06 Feb 2025	Arrive Time	956
I38	06 Feb 2025	Arrive Time	1012
I38	06 Feb 2025	Depart Time	1001
I38	06 Feb 2025	Depart Time	1012
I38	06 Feb 2025	Air Temp (C)	14.4
I38	06 Feb 2025	Visibility (mi)	5
I38	06 Feb 2025	Wind Speed (kts)	2.1
I38	06 Feb 2025	Wind Speed (kts)	11.2
I38	06 Feb 2025	Wind Dir	N
I38	06 Feb 2025	Wind Dir	W
I38	06 Feb 2025	Sea State	Light Chop
I38	06 Feb 2025	High Tide Time	312
I38	06 Feb 2025	Low Tide Time	1118
I38	06 Feb 2025	Comments	
I38	06 Feb 2025	Comments	Station sampled on location. Missed Navops

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	04 Feb 2025	1	13.08	92.05	7.6	33.45	8.1	25.2	1.19
I3	04 Feb 2025	2	13.13	92.27	7.8	33.45	8.1	25.2	1.24
I3	04 Feb 2025	3	13.08	91.97	7.6	33.48	8.1	25.2	1.54
I3	04 Feb 2025	4	12.61	92.02	6.8	33.57	8.1	25.4	1.60
I3	04 Feb 2025	5	12.00	92.49	5.6	33.60	8.0	25.5	0.95
I3	04 Feb 2025	6	11.90	93.79	5.1	33.58	7.9	25.5	0.61
I3	04 Feb 2025	7	11.86	94.47	4.9	33.58	7.9	25.5	0.51
I3	04 Feb 2025	8	11.83	94.50	4.8	33.58	7.9	25.5	0.40
I3	04 Feb 2025	9	11.81	94.80	4.7	33.57	7.9	25.5	0.34
I3	04 Feb 2025	10	11.80	94.95	4.7	33.57	7.9	25.5	0.31
I3	04 Feb 2025	11	11.79	95.02	4.6	33.58	7.9	25.5	0.31
I3	04 Feb 2025	12	11.76	95.12	4.6	33.58	7.9	25.5	0.26
I3	04 Feb 2025	13	11.75	94.99	4.4	33.61	7.9	25.6	0.21
I3	04 Feb 2025	14	11.81	95.10	4.1	33.65	7.8	25.6	0.19
I3	04 Feb 2025	15	11.82	94.80	4.0	33.66	7.8	25.6	0.21
I3	04 Feb 2025	16	11.82	94.57	4.0	33.67	7.8	25.6	0.21
I3	04 Feb 2025	17	11.82	94.55	4.0	33.67	7.8	25.6	0.21
I3	04 Feb 2025	18	11.82	94.58	4.0	33.67	7.8	25.6	0.21
I3	04 Feb 2025	19	11.82	94.53	3.9	33.67	7.8	25.6	0.22
I3	04 Feb 2025	20	11.82	94.34	3.9	33.67	7.8	25.6	0.23
I3	04 Feb 2025	21	11.83	94.21	3.9	33.67	7.8	25.6	0.24
I3	04 Feb 2025	22	11.83	93.88	3.9	33.68	7.8	25.6	0.23
I3	04 Feb 2025	23	11.83	93.77	3.9	33.68	7.8	25.6	0.23
I3	04 Feb 2025	24	11.83	93.47	3.9	33.68	7.8	25.6	0.24
I3	04 Feb 2025	25	11.83	93.45	3.8	33.68	7.8	25.6	0.24
I3	04 Feb 2025	26	11.83	93.59	3.9	33.68	7.8	25.6	0.24
I3	04 Feb 2025	27	11.83	93.44	3.8	33.68	7.8	25.6	0.27
I4	04 Feb 2025	1	12.83	89.58	6.6	33.48	8.0	25.3	1.32
I4	04 Feb 2025	2	12.67	89.31	6.5	33.53	8.0	25.3	1.43
I4	04 Feb 2025	3	12.37	89.52	5.9	33.56	8.0	25.4	1.17
I4	04 Feb 2025	4	12.30	90.46	5.6	33.55	8.0	25.4	1.00
I4	04 Feb 2025	5	12.28	91.70	5.4	33.55	7.9	25.4	0.97
I4	04 Feb 2025	6	12.24	91.92	5.2	33.56	7.9	25.4	1.05
I4	04 Feb 2025	7	12.17	91.88	5.0	33.59	7.9	25.5	0.87
I4	04 Feb 2025	8	12.02	91.89	4.7	33.62	7.9	25.5	0.56
I4	04 Feb 2025	9	11.88	92.39	4.4	33.63	7.9	25.6	0.34
I4	04 Feb 2025	10	11.84	92.95	4.2	33.64	7.8	25.6	0.28
I4	04 Feb 2025	11	11.82	92.45	4.2	33.64	7.8	25.6	0.32
I4	04 Feb 2025	12	11.82	90.99	4.1	33.64	7.8	25.6	0.31
I4	04 Feb 2025	13	11.82	90.02	4.1	33.64	7.8	25.6	0.31
I4	04 Feb 2025	14	11.81	89.22	4.1	33.64	7.8	25.6	0.32
I4	04 Feb 2025	15	11.81	88.81	4.1	33.65	7.8	25.6	0.31
I4	04 Feb 2025	16	11.81	88.23	4.0	33.65	7.8	25.6	0.34
I4	04 Feb 2025	17	11.81	87.87	3.9	33.66	7.8	25.6	0.35
I4	04 Feb 2025	18	11.81	86.33	3.9	33.66	7.8	25.6	0.54
I5	04 Feb 2025	1	12.93	83.43	6.9	33.45	8.0	25.2	0.89
I5	04 Feb 2025	2	12.89	85.24	6.8	33.46	8.0	25.2	0.96
I5	04 Feb 2025	3	12.75	87.40	6.6	33.49	8.0	25.3	1.66
I5	04 Feb 2025	4	12.68	87.18	6.5	33.49	8.0	25.3	2.11
I5	04 Feb 2025	5	12.64	86.63	6.4	33.49	8.0	25.3	2.18
I5	04 Feb 2025	6	12.63	86.63	6.4	33.49	8.0	25.3	1.99
I5	04 Feb 2025	7	12.62	87.02	6.4	33.50	8.0	25.3	1.83
I5	04 Feb 2025	8	12.59	87.24	6.3	33.50	8.0	25.3	1.77

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I5	04 Feb 2025	9	12.48	87.50	6.2	33.54	8.0	25.4	1.64
I5	04 Feb 2025	10	12.22	87.57	5.7	33.60	8.0	25.5	1.39
I5	04 Feb 2025	11	12.05	88.12	5.0	33.60	7.9	25.5	0.65
I5	04 Feb 2025	12	12.07	87.69	4.8	33.60	7.9	25.5	0.61
I5	04 Feb 2025	13	11.90	86.23	4.4	33.63	7.9	25.5	0.59
I5	04 Feb 2025	14	11.89	84.37	4.2	33.63	7.8	25.5	0.82
I1	04 Feb 2025	1	13.46	93.48	8.1	33.41	8.1	25.1	0.91
I1	04 Feb 2025	2	13.46	93.61	8.1	33.41	8.1	25.1	0.95
I1	04 Feb 2025	3	13.46	93.58	8.1	33.41	8.1	25.1	0.93
I1	04 Feb 2025	4	13.46	93.66	8.1	33.41	8.1	25.1	0.94
I1	04 Feb 2025	5	13.46	93.71	8.1	33.41	8.1	25.1	0.96
I1	04 Feb 2025	6	13.45	93.72	8.1	33.41	8.1	25.1	1.00
I1	04 Feb 2025	7	13.39	93.72	8.0	33.41	8.1	25.1	1.07
I1	04 Feb 2025	8	13.35	93.83	7.9	33.40	8.1	25.1	1.07
I1	04 Feb 2025	9	13.34	93.82	7.8	33.40	8.1	25.1	1.14
I1	04 Feb 2025	10	13.31	93.89	7.8	33.40	8.1	25.1	1.13
I1	04 Feb 2025	11	13.31	93.87	7.8	33.40	8.1	25.1	1.13
I1	04 Feb 2025	12	13.31	93.90	7.8	33.40	8.1	25.1	1.12
I1	04 Feb 2025	13	13.30	93.97	7.8	33.40	8.1	25.1	1.11
I1	04 Feb 2025	14	13.29	93.93	7.8	33.40	8.1	25.1	1.09
I1	04 Feb 2025	15	13.28	94.04	7.7	33.40	8.1	25.1	1.08
I1	04 Feb 2025	16	13.26	94.14	7.7	33.40	8.1	25.1	1.03
I1	04 Feb 2025	17	13.23	94.24	7.7	33.40	8.1	25.1	0.98
I1	04 Feb 2025	18	13.19	93.89	7.6	33.40	8.1	25.1	0.93
I1	04 Feb 2025	19	13.09	94.89	7.4	33.41	8.1	25.1	0.85
I1	04 Feb 2025	20	12.99	95.18	7.3	33.42	8.1	25.2	0.62
I1	04 Feb 2025	21	12.95	95.70	7.3	33.43	8.1	25.2	0.53
I1	04 Feb 2025	22	12.93	95.73	7.2	33.43	8.1	25.2	0.49
I1	04 Feb 2025	23	12.93	95.82	7.2	33.43	8.1	25.2	0.53
I1	04 Feb 2025	24	12.87	95.87	7.1	33.44	8.1	25.2	0.46
I1	04 Feb 2025	25	12.87	95.89	7.0	33.44	8.1	25.2	0.44
I1	04 Feb 2025	26	12.82	95.97	7.0	33.45	8.1	25.2	0.43
I1	04 Feb 2025	27	12.74	96.02	6.8	33.46	8.0	25.3	0.39
I1	04 Feb 2025	28	12.69	96.04	6.6	33.46	8.0	25.3	0.38
I1	04 Feb 2025	29	12.62	96.07	6.5	33.47	8.0	25.3	0.38
I1	04 Feb 2025	30	12.53	96.10	6.3	33.48	8.0	25.3	0.37
I1	04 Feb 2025	31	12.50	96.09	6.2	33.48	8.0	25.3	0.38
I1	04 Feb 2025	32	12.47	96.07	6.1	33.48	8.0	25.3	0.36
I1	04 Feb 2025	33	12.44	96.06	6.1	33.48	8.0	25.3	0.38
I1	04 Feb 2025	34	12.36	96.16	6.0	33.50	8.0	25.4	0.39
I1	04 Feb 2025	35	12.21	96.27	5.7	33.51	8.0	25.4	0.32
I1	04 Feb 2025	36	12.18	96.30	5.6	33.51	7.9	25.4	0.29
I1	04 Feb 2025	37	12.16	96.32	5.5	33.51	7.9	25.4	0.29
I1	04 Feb 2025	38	12.15	96.38	5.4	33.51	7.9	25.4	0.27
I1	04 Feb 2025	39	12.14	96.39	5.4	33.52	7.9	25.4	0.27
I1	04 Feb 2025	40	12.11	96.36	5.3	33.52	7.9	25.4	0.26
I1	04 Feb 2025	41	12.11	96.35	5.3	33.52	7.9	25.4	0.26
I1	04 Feb 2025	42	12.07	96.34	5.1	33.54	7.9	25.4	0.26
I1	04 Feb 2025	43	12.04	96.32	4.9	33.56	7.9	25.5	0.23
I1	04 Feb 2025	44	12.02	96.38	4.7	33.60	7.9	25.5	0.23
I1	04 Feb 2025	45	12.00	96.38	4.3	33.64	7.8	25.5	0.22
I1	04 Feb 2025	46	11.99	96.33	4.1	33.65	7.8	25.5	0.17
I1	04 Feb 2025	47	11.98	96.33	4.0	33.66	7.8	25.6	0.18
I1	04 Feb 2025	48	11.97	96.33	3.9	33.68	7.8	25.6	0.16
I1	04 Feb 2025	49	11.95	96.25	3.8	33.70	7.8	25.6	0.16
I1	04 Feb 2025	50	11.89	96.25	3.8	33.71	7.8	25.6	0.15
I1	04 Feb 2025	51	11.85	96.21	3.8	33.70	7.8	25.6	0.16
I1	04 Feb 2025	52	11.80	96.18	3.7	33.72	7.8	25.6	0.15
I1	04 Feb 2025	53	11.78	96.02	3.6	33.73	7.8	25.6	0.14
I1	04 Feb 2025	54	11.77	95.92	3.6	33.73	7.8	25.6	0.14

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I1	04 Feb 2025	55	11.74	95.84	3.6	33.73	7.8	25.7	0.14
I1	04 Feb 2025	56	11.72	95.75	3.6	33.73	7.8	25.7	0.14
I1	04 Feb 2025	57	11.69	95.63	3.5	33.74	7.8	25.7	0.14
I1	04 Feb 2025	58	11.66	95.52	3.5	33.75	7.8	25.7	0.14
I1	04 Feb 2025	59	11.63	95.41	3.4	33.77	7.8	25.7	0.13
I1	04 Feb 2025	60	11.51	95.30	3.3	33.82	7.8	25.8	0.12
I2	04 Feb 2025	1	12.88	92.37	7.0	33.47	8.1	25.2	0.72
I2	04 Feb 2025	2	12.87	92.41	7.1	33.47	8.1	25.2	0.81
I2	04 Feb 2025	3	12.85	91.40	7.1	33.47	8.1	25.2	0.93
I2	04 Feb 2025	4	12.83	92.46	7.0	33.48	8.1	25.2	0.99
I2	04 Feb 2025	5	12.66	92.39	6.9	33.50	8.1	25.3	1.37
I2	04 Feb 2025	6	12.58	92.22	6.6	33.49	8.0	25.3	1.49
I2	04 Feb 2025	7	12.39	92.59	6.3	33.51	8.0	25.4	1.39
I2	04 Feb 2025	8	12.27	93.45	6.0	33.50	8.0	25.4	0.89
I2	04 Feb 2025	9	12.24	94.65	5.8	33.50	8.0	25.4	0.70
I2	04 Feb 2025	10	12.22	94.81	5.7	33.51	8.0	25.4	0.60
I2	04 Feb 2025	11	12.19	95.14	5.6	33.51	8.0	25.4	0.57
I2	04 Feb 2025	12	12.17	95.23	5.5	33.51	7.9	25.4	0.52
I2	04 Feb 2025	13	12.13	95.37	5.4	33.52	7.9	25.4	0.45
I2	04 Feb 2025	14	12.05	95.62	5.3	33.54	7.9	25.4	0.34
I2	04 Feb 2025	15	11.98	95.77	5.1	33.55	7.9	25.5	0.30
I2	04 Feb 2025	16	11.93	95.74	5.0	33.55	7.9	25.5	0.30
I2	04 Feb 2025	17	11.87	95.67	4.9	33.56	7.9	25.5	0.29
I2	04 Feb 2025	18	11.82	95.64	4.8	33.57	7.9	25.5	0.28
I2	04 Feb 2025	19	11.77	95.66	4.7	33.58	7.9	25.5	0.26
I2	04 Feb 2025	20	11.74	95.55	4.6	33.59	7.9	25.5	0.23
I2	04 Feb 2025	21	11.72	95.38	4.4	33.61	7.8	25.6	0.21
I2	04 Feb 2025	22	11.71	95.31	4.3	33.61	7.8	25.6	0.21
I2	04 Feb 2025	23	11.71	95.27	4.3	33.62	7.8	25.6	0.19
I2	04 Feb 2025	24	11.71	95.23	4.2	33.62	7.8	25.6	0.20
I2	04 Feb 2025	25	11.72	95.14	4.2	33.62	7.8	25.6	0.21
I2	04 Feb 2025	26	11.72	95.17	4.2	33.63	7.8	25.6	0.19
I2	04 Feb 2025	27	11.74	95.16	4.1	33.65	7.8	25.6	0.18
I2	04 Feb 2025	28	11.77	95.21	4.0	33.66	7.8	25.6	0.18
I2	04 Feb 2025	29	11.81	94.93	3.8	33.69	7.8	25.6	0.19
I2	04 Feb 2025	30	11.81	94.79	3.8	33.69	7.8	25.6	0.19
I2	04 Feb 2025	31	11.81	94.43	3.8	33.69	7.8	25.6	0.21
I2	04 Feb 2025	32	11.81	94.39	3.8	33.69	7.8	25.6	0.20
I6	04 Feb 2025	1	13.05	91.62	7.6	33.47	8.1	25.2	1.27
I6	04 Feb 2025	2	13.03	91.54	7.5	33.48	8.1	25.2	1.42
I6	04 Feb 2025	3	12.60	91.69	6.8	33.58	8.1	25.4	1.59
I6	04 Feb 2025	4	11.94	92.35	5.4	33.62	8.0	25.5	0.91
I6	04 Feb 2025	5	11.89	93.25	4.9	33.59	7.9	25.5	0.67
I6	04 Feb 2025	6	11.79	93.48	4.7	33.60	7.9	25.5	0.53
I6	04 Feb 2025	7	11.77	93.93	4.6	33.60	7.9	25.5	0.48
I6	04 Feb 2025	8	11.73	94.21	4.5	33.60	7.9	25.6	0.40
I6	04 Feb 2025	9	11.72	94.40	4.4	33.60	7.9	25.6	0.28
I6	04 Feb 2025	10	11.72	94.49	4.4	33.61	7.9	25.6	0.26
I6	04 Feb 2025	11	11.72	94.45	4.3	33.61	7.8	25.6	0.25
I6	04 Feb 2025	12	11.73	94.39	4.3	33.62	7.8	25.6	0.25
I6	04 Feb 2025	13	11.73	94.37	4.1	33.66	7.8	25.6	0.21
I6	04 Feb 2025	14	11.71	94.21	3.9	33.68	7.8	25.6	0.18
I6	04 Feb 2025	15	11.71	93.84	3.8	33.68	7.8	25.6	0.18
I6	04 Feb 2025	16	11.70	93.79	3.8	33.69	7.8	25.6	0.18
I6	04 Feb 2025	17	11.69	93.71	3.8	33.69	7.8	25.6	0.18
I6	04 Feb 2025	18	11.69	93.65	3.8	33.69	7.8	25.6	0.18
I6	04 Feb 2025	19	11.69	93.45	3.7	33.69	7.8	25.6	0.18
I6	04 Feb 2025	20	11.69	93.50	3.7	33.69	7.8	25.6	0.17
I6	04 Feb 2025	21	11.70	93.08	3.7	33.69	7.8	25.6	0.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I6	04 Feb 2025	22	11.70	92.42	3.7	33.69	7.8	25.6	0.22
I6	04 Feb 2025	23	11.70	92.16	3.7	33.69	7.8	25.6	0.20
I6	04 Feb 2025	24	11.70	92.03	3.7	33.69	7.8	25.6	0.21
I6	04 Feb 2025	25	11.70	90.02	3.7	33.69	7.8	25.6	0.25
I6	04 Feb 2025	26	11.70	89.83	3.7	33.69	7.8	25.6	0.24
I9	04 Feb 2025	1	13.09	91.56	7.6	33.48	8.1	25.2	1.19
I9	04 Feb 2025	2	13.08	91.62	7.6	33.48	8.1	25.2	1.27
I9	04 Feb 2025	3	13.08	91.83	7.6	33.48	8.1	25.2	1.36
I9	04 Feb 2025	4	13.06	91.80	7.5	33.48	8.1	25.2	1.47
I9	04 Feb 2025	5	13.04	91.68	7.5	33.48	8.1	25.2	1.49
I9	04 Feb 2025	6	12.92	92.14	7.3	33.51	8.1	25.3	1.79
I9	04 Feb 2025	7	12.74	91.61	6.8	33.51	8.1	25.3	1.71
I9	04 Feb 2025	8	12.30	92.02	6.1	33.62	8.0	25.5	1.71
I9	04 Feb 2025	9	11.79	92.66	5.0	33.64	7.9	25.6	0.64
I9	04 Feb 2025	10	11.72	93.76	4.5	33.62	7.9	25.6	0.40
I9	04 Feb 2025	11	11.64	94.19	4.4	33.63	7.9	25.6	0.35
I9	04 Feb 2025	12	11.56	94.62	4.2	33.65	7.8	25.6	0.23
I9	04 Feb 2025	13	11.57	94.87	4.0	33.66	7.8	25.6	0.17
I9	04 Feb 2025	14	11.57	94.94	3.9	33.67	7.8	25.6	0.16
I9	04 Feb 2025	15	11.58	94.99	3.9	33.67	7.8	25.6	0.16
I9	04 Feb 2025	16	11.61	94.89	3.8	33.69	7.8	25.6	0.16
I9	04 Feb 2025	17	11.65	94.91	3.7	33.71	7.8	25.6	0.16
I9	04 Feb 2025	18	11.66	94.79	3.6	33.72	7.8	25.7	0.15
I9	04 Feb 2025	19	11.67	94.62	3.5	33.72	7.8	25.7	0.15
I9	04 Feb 2025	20	11.67	94.25	3.5	33.73	7.8	25.7	0.16
I9	04 Feb 2025	21	11.68	93.64	3.5	33.73	7.8	25.7	0.16
I9	04 Feb 2025	22	11.68	92.44	3.5	33.73	7.8	25.7	0.18
I9	04 Feb 2025	23	11.68	92.32	3.5	33.73	7.8	25.7	0.18
I9	04 Feb 2025	24	11.68	92.58	3.5	33.73	7.8	25.7	0.17
I9	04 Feb 2025	25	11.68	92.16	3.5	33.73	7.8	25.7	0.16
I9	04 Feb 2025	26	11.68	91.50	3.5	33.73	7.8	25.7	0.17
I9	04 Feb 2025	27	11.68	91.39	3.4	33.73	7.8	25.7	0.18
I9	04 Feb 2025	28	11.68	90.90	3.4	33.73	7.8	25.7	0.18
I9	04 Feb 2025	29	11.68	90.27	3.4	33.73	7.8	25.7	0.19
I11	04 Feb 2025	1	13.15	91.80	7.4	33.48	8.1	25.2	1.00
I11	04 Feb 2025	2	13.10	91.71	7.3	33.49	8.1	25.2	1.10
I11	04 Feb 2025	3	12.91	91.56	7.0	33.52	8.1	25.3	1.30
I11	04 Feb 2025	4	12.71	90.42	6.7	33.52	8.0	25.3	2.19
I11	04 Feb 2025	5	12.62	89.30	6.6	33.51	8.0	25.3	2.30
I11	04 Feb 2025	6	12.53	86.80	6.5	33.51	8.0	25.3	1.74
I11	04 Feb 2025	7	12.41	84.54	6.3	33.53	8.0	25.4	1.58
I11	04 Feb 2025	8	12.32	83.50	6.1	33.55	8.0	25.4	1.23
I11	04 Feb 2025	9	12.07	83.64	5.5	33.62	7.9	25.5	0.80
I11	04 Feb 2025	10	11.86	85.42	4.8	33.66	7.9	25.6	0.47
I11	04 Feb 2025	11	11.79	86.35	4.2	33.67	7.8	25.6	0.33
I11	04 Feb 2025	12	11.79	84.38	4.0	33.66	7.8	25.6	0.33
I11	04 Feb 2025	13	11.81	78.39	4.0	33.66	7.8	25.6	0.39
I10	04 Feb 2025	1	13.20	90.80	7.7	33.47	8.1	25.2	1.21
I10	04 Feb 2025	2	13.19	90.71	7.7	33.47	8.1	25.2	1.27
I10	04 Feb 2025	3	13.19	90.82	7.7	33.47	8.1	25.2	1.32
I10	04 Feb 2025	4	13.18	91.12	7.7	33.47	8.1	25.2	1.40
I10	04 Feb 2025	5	13.17	91.05	7.6	33.47	8.1	25.2	1.72
I10	04 Feb 2025	6	13.15	91.14	7.6	33.47	8.1	25.2	1.81
I10	04 Feb 2025	7	12.74	91.20	6.9	33.56	8.1	25.3	2.00
I10	04 Feb 2025	8	12.04	91.38	5.7	33.62	8.0	25.5	1.35
I10	04 Feb 2025	9	11.94	92.47	5.0	33.59	7.9	25.5	0.77
I10	04 Feb 2025	10	11.84	92.96	4.8	33.62	7.9	25.5	0.58
I10	04 Feb 2025	11	11.82	93.18	4.5	33.61	7.9	25.5	0.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I10	04 Feb 2025	12	11.74	93.18	4.3	33.66	7.9	25.6	0.40
I10	04 Feb 2025	13	11.71	92.55	4.0	33.67	7.8	25.6	0.21
I10	04 Feb 2025	14	11.69	92.02	3.9	33.68	7.8	25.6	0.19
I10	04 Feb 2025	15	11.68	91.99	3.8	33.68	7.8	25.6	0.18
I10	04 Feb 2025	16	11.68	91.82	3.8	33.69	7.8	25.6	0.20
I10	04 Feb 2025	17	11.68	90.33	3.7	33.69	7.8	25.6	0.22
I10	04 Feb 2025	18	11.68	89.22	3.7	33.69	7.8	25.6	0.22
I10	04 Feb 2025	19	11.69	87.99	3.7	33.69	7.8	25.6	0.25
I7	04 Feb 2025	1	13.50	93.51	8.3	33.40	8.1	25.1	0.99
I7	04 Feb 2025	2	13.50	93.39	8.2	33.40	8.1	25.1	1.02
I7	04 Feb 2025	3	13.49	91.90	8.2	33.40	8.1	25.1	0.97
I7	04 Feb 2025	4	13.49	93.20	8.2	33.40	8.1	25.1	1.02
I7	04 Feb 2025	5	13.48	93.48	8.2	33.40	8.1	25.1	1.07
I7	04 Feb 2025	6	13.47	93.56	8.2	33.40	8.1	25.1	1.06
I7	04 Feb 2025	7	13.43	93.69	8.1	33.41	8.1	25.1	1.07
I7	04 Feb 2025	8	13.15	93.78	7.8	33.42	8.1	25.1	1.16
I7	04 Feb 2025	9	13.08	93.42	7.5	33.38	8.0	25.1	1.49
I7	04 Feb 2025	10	12.94	93.01	7.3	33.40	8.0	25.2	1.62
I7	04 Feb 2025	11	12.88	93.01	7.1	33.37	8.0	25.2	1.61
I7	04 Feb 2025	12	12.85	93.33	7.0	33.37	8.0	25.2	1.64
I7	04 Feb 2025	13	12.72	93.66	6.9	33.38	8.0	25.2	1.54
I7	04 Feb 2025	14	12.51	93.44	6.7	33.41	8.0	25.3	1.14
I7	04 Feb 2025	15	12.38	95.17	6.4	33.42	7.9	25.3	0.82
I7	04 Feb 2025	16	12.27	95.74	6.2	33.42	7.9	25.3	0.68
I7	04 Feb 2025	17	12.25	95.83	6.1	33.43	7.9	25.3	0.63
I7	04 Feb 2025	18	12.25	95.88	6.0	33.43	7.9	25.3	0.60
I7	04 Feb 2025	19	12.21	95.40	5.8	33.47	7.9	25.4	0.55
I7	04 Feb 2025	20	12.20	95.95	5.6	33.48	7.9	25.4	0.45
I7	04 Feb 2025	21	12.09	96.04	5.4	33.54	7.9	25.4	0.42
I7	04 Feb 2025	22	12.03	96.05	5.1	33.55	7.8	25.5	0.31
I7	04 Feb 2025	23	12.03	96.08	5.0	33.54	7.8	25.5	0.27
I7	04 Feb 2025	24	11.97	96.05	5.0	33.56	7.8	25.5	0.27
I7	04 Feb 2025	25	11.97	96.04	4.9	33.55	7.8	25.5	0.26
I7	04 Feb 2025	26	11.93	96.03	4.9	33.56	7.8	25.5	0.25
I7	04 Feb 2025	27	11.91	95.94	4.9	33.56	7.8	25.5	0.26
I7	04 Feb 2025	28	11.85	95.98	4.8	33.56	7.8	25.5	0.24
I7	04 Feb 2025	29	11.82	95.99	4.7	33.57	7.8	25.5	0.23
I7	04 Feb 2025	30	11.76	95.96	4.6	33.58	7.8	25.5	0.22
I7	04 Feb 2025	31	11.72	95.95	4.5	33.59	7.8	25.5	0.20
I7	04 Feb 2025	32	11.65	95.81	4.4	33.60	7.8	25.6	0.19
I7	04 Feb 2025	33	11.61	95.66	4.3	33.60	7.8	25.6	0.19
I7	04 Feb 2025	34	11.60	95.50	4.3	33.60	7.8	25.6	0.18
I7	04 Feb 2025	35	11.59	95.46	4.3	33.60	7.8	25.6	0.18
I7	04 Feb 2025	36	11.59	95.39	4.3	33.60	7.8	25.6	0.19
I7	04 Feb 2025	37	11.59	95.35	4.3	33.61	7.8	25.6	0.18
I7	04 Feb 2025	38	11.58	95.36	4.3	33.61	7.8	25.6	0.18
I7	04 Feb 2025	39	11.58	95.29	4.2	33.61	7.8	25.6	0.17
I7	04 Feb 2025	40	11.60	95.22	4.1	33.63	7.8	25.6	0.16
I7	04 Feb 2025	41	11.60	95.06	4.0	33.64	7.8	25.6	0.15
I7	04 Feb 2025	42	11.68	94.96	3.9	33.66	7.8	25.6	0.15
I7	04 Feb 2025	43	11.73	95.16	3.6	33.74	7.8	25.7	0.13
I7	04 Feb 2025	44	11.69	95.36	3.3	33.79	7.7	25.7	0.12
I7	04 Feb 2025	45	11.69	95.50	3.2	33.79	7.7	25.7	0.12
I7	04 Feb 2025	46	11.69	95.24	3.2	33.80	7.7	25.7	0.11
I7	04 Feb 2025	47	11.68	95.43	3.2	33.80	7.7	25.7	0.12
I7	04 Feb 2025	48	11.68	95.42	3.2	33.80	7.7	25.7	0.12
I7	04 Feb 2025	49	11.68	95.27	3.1	33.80	7.7	25.7	0.11
I7	04 Feb 2025	50	11.68	95.31	3.1	33.80	7.7	25.7	0.12
I7	04 Feb 2025	51	11.68	95.19	3.1	33.80	7.7	25.7	0.12
I7	04 Feb 2025	52	11.68	95.26	3.1	33.80	7.7	25.7	0.14

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I8	04 Feb 2025	1	13.08	92.30	5.8	33.40	8.1	25.1	1.34
I8	04 Feb 2025	2	13.09	92.36	6.6	33.42	8.1	25.2	1.23
I8	04 Feb 2025	3	13.08	91.96	6.9	33.44	8.1	25.2	1.21
I8	04 Feb 2025	4	13.06	92.38	7.1	33.46	8.1	25.2	1.39
I8	04 Feb 2025	5	13.04	92.18	7.5	33.45	8.1	25.2	1.63
I8	04 Feb 2025	6	13.02	92.17	7.5	33.45	8.1	25.2	1.74
I8	04 Feb 2025	7	13.01	92.17	7.5	33.45	8.1	25.2	1.86
I8	04 Feb 2025	8	12.99	92.25	7.5	33.45	8.1	25.2	1.86
I8	04 Feb 2025	9	12.96	92.40	7.4	33.45	8.1	25.2	1.69
I8	04 Feb 2025	10	12.93	92.61	7.4	33.45	8.1	25.2	1.54
I8	04 Feb 2025	11	12.89	93.28	7.3	33.45	8.1	25.2	1.29
I8	04 Feb 2025	12	12.84	93.56	7.2	33.45	8.1	25.2	1.22
I8	04 Feb 2025	13	12.76	93.80	7.0	33.45	8.1	25.2	1.12
I8	04 Feb 2025	14	12.62	94.15	6.8	33.48	8.1	25.3	1.06
I8	04 Feb 2025	15	12.56	94.50	6.6	33.47	8.0	25.3	0.89
I8	04 Feb 2025	16	12.46	94.50	6.5	33.49	8.0	25.3	0.83
I8	04 Feb 2025	17	12.38	94.60	6.3	33.48	8.0	25.3	0.74
I8	04 Feb 2025	18	12.33	94.69	6.1	33.49	8.0	25.4	0.76
I8	04 Feb 2025	19	12.27	94.73	6.0	33.50	8.0	25.4	0.69
I8	04 Feb 2025	20	12.20	94.73	5.8	33.50	8.0	25.4	0.64
I8	04 Feb 2025	21	12.14	94.83	5.7	33.52	8.0	25.4	0.60
I8	04 Feb 2025	22	12.01	94.70	5.4	33.56	7.9	25.5	0.55
I8	04 Feb 2025	23	11.81	94.73	5.0	33.58	7.9	25.5	0.43
I8	04 Feb 2025	24	11.79	94.84	4.8	33.57	7.9	25.5	0.35
I8	04 Feb 2025	25	11.74	94.88	4.7	33.58	7.9	25.5	0.33
I8	04 Feb 2025	26	11.60	95.13	4.4	33.61	7.9	25.6	0.27
I8	04 Feb 2025	27	11.54	95.32	4.2	33.63	7.8	25.6	0.25
I8	04 Feb 2025	28	11.50	95.35	4.0	33.65	7.8	25.6	0.18
I8	04 Feb 2025	29	11.52	95.29	3.8	33.70	7.8	25.7	0.16
I8	04 Feb 2025	30	11.53	94.96	3.6	33.71	7.8	25.7	0.15
I8	04 Feb 2025	31	11.53	94.40	3.5	33.71	7.8	25.7	0.16
I8	04 Feb 2025	32	11.55	94.54	3.5	33.72	7.8	25.7	0.17
I8	04 Feb 2025	33	11.56	94.13	3.5	33.72	7.8	25.7	0.16
I8	04 Feb 2025	34	11.56	93.55	3.5	33.73	7.8	25.7	0.18
I8	04 Feb 2025	35	11.56	93.00	3.4	33.73	7.8	25.7	0.16
I8	04 Feb 2025	36	11.56	92.44	3.4	33.73	7.8	25.7	0.18
I28	06 Feb 2025	1	13.73	91.75	8.2	33.41	8.2	25.0	1.22
I28	06 Feb 2025	2	13.64	90.60	8.1	33.42	8.2	25.0	1.36
I28	06 Feb 2025	3	13.60	91.68	8.0	33.43	8.1	25.1	1.66
I28	06 Feb 2025	4	13.55	91.62	7.9	33.44	8.1	25.1	1.51
I28	06 Feb 2025	5	13.51	91.01	7.8	33.44	8.1	25.1	1.60
I28	06 Feb 2025	6	13.49	91.13	7.8	33.44	8.1	25.1	1.77
I28	06 Feb 2025	7	13.43	91.36	7.8	33.45	8.1	25.1	1.70
I28	06 Feb 2025	8	13.37	91.46	7.7	33.44	8.1	25.1	1.54
I28	06 Feb 2025	9	13.33	91.72	7.6	33.44	8.1	25.1	1.27
I28	06 Feb 2025	10	13.19	91.92	7.4	33.45	8.1	25.2	1.39
I28	06 Feb 2025	11	12.84	92.95	7.0	33.46	8.1	25.2	1.11
I28	06 Feb 2025	12	12.65	93.46	6.6	33.47	8.1	25.3	1.04
I28	06 Feb 2025	13	12.50	93.63	6.4	33.48	8.0	25.3	1.00
I28	06 Feb 2025	14	12.35	93.70	6.2	33.47	8.0	25.3	0.87
I28	06 Feb 2025	15	12.28	94.09	6.0	33.47	8.0	25.4	0.81
I28	06 Feb 2025	16	12.28	94.39	5.9	33.48	8.0	25.4	0.79
I28	06 Feb 2025	17	12.22	94.33	5.8	33.48	8.0	25.4	0.76
I28	06 Feb 2025	18	12.15	94.50	5.7	33.49	8.0	25.4	0.73
I28	06 Feb 2025	19	12.09	94.56	5.6	33.50	8.0	25.4	0.73
I28	06 Feb 2025	20	12.04	94.58	5.5	33.50	7.9	25.4	0.67
I28	06 Feb 2025	21	12.03	94.63	5.4	33.53	7.9	25.4	0.65
I28	06 Feb 2025	22	12.03	94.49	5.2	33.54	7.9	25.4	0.72
I28	06 Feb 2025	23	12.04	94.09	5.2	33.55	7.9	25.5	0.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I28	06 Feb 2025	24	12.02	93.75	5.1	33.57	7.9	25.5	0.64
I28	06 Feb 2025	25	12.00	93.45	5.0	33.57	7.9	25.5	0.66
I28	06 Feb 2025	26	11.99	93.65	5.0	33.57	7.9	25.5	0.65
I28	06 Feb 2025	27	11.98	93.64	4.9	33.57	7.9	25.5	0.63
I28	06 Feb 2025	28	11.91	93.52	4.9	33.58	7.9	25.5	0.56
I28	06 Feb 2025	29	11.85	93.75	4.8	33.58	7.9	25.5	0.50
I28	06 Feb 2025	30	11.82	94.07	4.7	33.58	7.9	25.5	0.43
I28	06 Feb 2025	31	11.75	94.33	4.7	33.59	7.9	25.5	0.41
I28	06 Feb 2025	32	11.69	94.62	4.6	33.59	7.9	25.5	0.39
I28	06 Feb 2025	33	11.64	94.73	4.5	33.58	7.9	25.6	0.36
I28	06 Feb 2025	34	11.59	94.93	4.5	33.59	7.9	25.6	0.34
I28	06 Feb 2025	35	11.52	95.11	4.4	33.59	7.8	25.6	0.32
I28	06 Feb 2025	36	11.54	95.53	4.3	33.59	7.8	25.6	0.30
I28	06 Feb 2025	37	11.51	95.53	4.3	33.60	7.8	25.6	0.28
I28	06 Feb 2025	38	11.55	95.53	4.1	33.62	7.8	25.6	0.25
I28	06 Feb 2025	39	11.59	95.70	4.0	33.65	7.8	25.6	0.20
I28	06 Feb 2025	40	11.56	95.73	3.9	33.65	7.8	25.6	0.16
I28	06 Feb 2025	41	11.55	95.57	3.9	33.65	7.8	25.6	0.16
I28	06 Feb 2025	42	11.53	95.52	3.8	33.66	7.8	25.6	0.15
I28	06 Feb 2025	43	11.52	95.48	3.8	33.66	7.8	25.6	0.15
I28	06 Feb 2025	44	11.52	95.43	3.8	33.67	7.8	25.6	0.15
I28	06 Feb 2025	45	11.52	95.07	3.7	33.68	7.8	25.6	0.15
I28	06 Feb 2025	46	11.52	94.97	3.6	33.68	7.8	25.7	0.14
I28	06 Feb 2025	47	11.53	95.00	3.6	33.68	7.8	25.7	0.14
I28	06 Feb 2025	48	11.53	94.93	3.6	33.69	7.8	25.7	0.14
I28	06 Feb 2025	49	11.53	94.82	3.5	33.69	7.8	25.7	0.15
I28	06 Feb 2025	50	11.53	94.55	3.5	33.70	7.8	25.7	0.14
I28	06 Feb 2025	51	11.53	94.21	3.5	33.70	7.8	25.7	0.15
I28	06 Feb 2025	52	11.53	94.10	3.5	33.70	7.8	25.7	0.14
I28	06 Feb 2025	53	11.53	93.88	3.4	33.70	7.8	25.7	0.15
I28	06 Feb 2025	54	11.53	93.62	3.4	33.70	7.8	25.7	0.14
I28	06 Feb 2025	55	11.52	93.40	3.4	33.70	7.8	25.7	0.14
I29	06 Feb 2025	1	13.29	89.06	7.9	33.47	8.1	25.2	2.16
I29	06 Feb 2025	2	13.28	89.28	7.9	33.47	8.1	25.2	2.36
I29	06 Feb 2025	3	13.26	88.93	7.9	33.48	8.1	25.2	2.50
I29	06 Feb 2025	4	13.25	89.11	7.8	33.48	8.1	25.2	3.06
I29	06 Feb 2025	5	13.25	88.92	7.8	33.48	8.1	25.2	3.33
I29	06 Feb 2025	6	13.25	89.14	7.8	33.48	8.1	25.2	3.23
I29	06 Feb 2025	7	13.25	88.81	7.8	33.48	8.1	25.2	3.47
I29	06 Feb 2025	8	13.25	88.79	7.8	33.48	8.1	25.2	3.52
I29	06 Feb 2025	9	13.25	89.14	7.8	33.48	8.1	25.2	3.42
I29	06 Feb 2025	10	13.22	89.16	7.8	33.48	8.1	25.2	3.52
I29	06 Feb 2025	11	13.19	88.75	7.7	33.48	8.1	25.2	3.49
I29	06 Feb 2025	12	13.13	89.07	7.6	33.48	8.1	25.2	3.48
I29	06 Feb 2025	13	13.07	89.07	7.5	33.49	8.1	25.2	3.71
I29	06 Feb 2025	14	12.99	89.13	7.2	33.49	8.1	25.2	3.36
I29	06 Feb 2025	15	12.80	89.59	6.8	33.51	8.1	25.3	2.61
I29	06 Feb 2025	16	12.60	89.99	6.2	33.51	8.0	25.3	2.04
I29	06 Feb 2025	17	12.31	90.93	5.7	33.53	8.0	25.4	1.30
I29	06 Feb 2025	18	12.11	92.06	5.3	33.55	8.0	25.4	0.86
I29	06 Feb 2025	19	11.92	93.22	5.0	33.55	7.9	25.5	0.59
I29	06 Feb 2025	20	11.69	93.70	4.8	33.55	7.9	25.5	0.44
I29	06 Feb 2025	21	11.60	93.31	4.7	33.56	7.9	25.5	0.42
I29	06 Feb 2025	22	11.59	94.46	4.5	33.58	7.9	25.6	0.37
I29	06 Feb 2025	23	11.59	95.22	4.4	33.59	7.9	25.6	0.36
I29	06 Feb 2025	24	11.59	95.48	4.3	33.60	7.8	25.6	0.34
I29	06 Feb 2025	25	11.59	95.56	4.3	33.60	7.8	25.6	0.32
I29	06 Feb 2025	26	11.58	95.43	4.2	33.63	7.8	25.6	0.29
I29	06 Feb 2025	27	11.57	95.49	4.0	33.64	7.8	25.6	0.31
I29	06 Feb 2025	28	11.58	95.35	3.9	33.66	7.8	25.6	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I29	06 Feb 2025	29	11.59	94.88	3.8	33.68	7.8	25.6	0.31
I29	06 Feb 2025	30	11.59	94.42	3.7	33.69	7.8	25.6	0.28
I29	06 Feb 2025	31	11.59	93.59	3.6	33.70	7.8	25.7	0.26
I29	06 Feb 2025	32	11.58	93.05	3.5	33.70	7.8	25.7	0.25
I29	06 Feb 2025	33	11.58	92.38	3.5	33.70	7.8	25.7	0.24
I29	06 Feb 2025	34	11.58	92.15	3.5	33.70	7.8	25.7	0.26
I29	06 Feb 2025	35	11.58	91.96	3.5	33.70	7.8	25.7	0.25
I29	06 Feb 2025	36	11.58	91.70	3.5	33.70	7.8	25.7	0.24
I29	06 Feb 2025	37	11.58	91.51	3.5	33.70	7.8	25.7	0.25
I30	06 Feb 2025	1	13.39	91.47	7.7	33.46	8.1	25.1	1.06
I30	06 Feb 2025	2	13.36	91.64	7.7	33.45	8.1	25.1	1.03
I30	06 Feb 2025	3	13.32	91.96	7.6	33.46	8.1	25.1	1.18
I30	06 Feb 2025	4	13.26	91.89	7.5	33.46	8.1	25.2	1.38
I30	06 Feb 2025	5	13.10	91.37	7.2	33.48	8.1	25.2	1.64
I30	06 Feb 2025	6	12.66	91.26	6.5	33.54	8.0	25.3	1.52
I30	06 Feb 2025	7	12.37	91.83	5.8	33.55	8.0	25.4	1.15
I30	06 Feb 2025	8	12.16	92.38	5.5	33.55	8.0	25.4	0.78
I30	06 Feb 2025	9	11.89	92.85	5.2	33.56	7.9	25.5	0.57
I30	06 Feb 2025	10	11.79	93.97	5.0	33.55	7.9	25.5	0.39
I30	06 Feb 2025	11	11.78	94.69	4.9	33.55	7.9	25.5	0.56
I30	06 Feb 2025	12	11.78	95.01	4.8	33.55	7.9	25.5	0.38
I30	06 Feb 2025	13	11.78	95.20	4.8	33.55	7.9	25.5	0.54
I30	06 Feb 2025	14	11.78	95.13	4.8	33.55	7.9	25.5	0.50
I30	06 Feb 2025	15	11.77	95.00	4.8	33.55	7.9	25.5	0.42
I30	06 Feb 2025	16	11.73	95.19	4.7	33.56	7.9	25.5	0.44
I30	06 Feb 2025	17	11.69	95.35	4.5	33.58	7.9	25.5	0.39
I30	06 Feb 2025	18	11.66	95.40	4.4	33.60	7.8	25.6	0.36
I30	06 Feb 2025	19	11.66	95.51	4.2	33.62	7.8	25.6	0.38
I30	06 Feb 2025	20	11.66	94.90	4.2	33.62	7.8	25.6	0.41
I30	06 Feb 2025	21	11.67	94.39	4.1	33.63	7.8	25.6	0.44
I30	06 Feb 2025	22	11.69	93.93	4.0	33.64	7.8	25.6	0.43
I30	06 Feb 2025	23	11.71	92.76	3.9	33.65	7.8	25.6	0.44
I30	06 Feb 2025	24	11.71	89.82	3.9	33.66	7.8	25.6	0.44
I30	06 Feb 2025	25	11.71	87.37	3.9	33.66	7.8	25.6	0.45
I30	06 Feb 2025	26	11.71	86.23	3.9	33.66	7.8	25.6	0.45
I30	06 Feb 2025	27	11.71	85.56	3.8	33.66	7.8	25.6	0.44
I30	06 Feb 2025	28	11.71	84.59	3.8	33.66	7.8	25.6	0.44
I31	06 Feb 2025	1	13.31	91.20	7.7	33.46	8.1	25.1	1.25
I31	06 Feb 2025	2	13.36	90.03	7.7	33.46	8.1	25.1	1.28
I31	06 Feb 2025	3	13.00	90.25	7.4	33.49	8.1	25.2	1.57
I31	06 Feb 2025	4	12.72	90.75	6.9	33.50	8.1	25.3	1.96
I31	06 Feb 2025	5	12.51	90.29	6.3	33.52	8.0	25.3	2.19
I31	06 Feb 2025	6	12.32	90.02	6.0	33.53	8.0	25.4	1.81
I31	06 Feb 2025	7	12.26	90.40	5.7	33.53	8.0	25.4	1.57
I31	06 Feb 2025	8	12.21	90.85	5.5	33.54	7.9	25.4	1.42
I31	06 Feb 2025	9	12.14	90.98	5.4	33.54	7.9	25.4	1.32
I31	06 Feb 2025	10	12.15	91.73	5.3	33.55	7.9	25.4	1.25
I31	06 Feb 2025	11	12.14	91.25	5.1	33.57	7.9	25.5	1.18
I31	06 Feb 2025	12	12.05	89.62	5.0	33.59	7.9	25.5	1.10
I31	06 Feb 2025	13	12.01	89.06	4.8	33.59	7.9	25.5	0.85
I31	06 Feb 2025	14	11.98	89.73	4.7	33.60	7.9	25.5	0.82
I31	06 Feb 2025	15	11.94	89.07	4.6	33.60	7.9	25.5	0.69
I31	06 Feb 2025	16	11.93	89.16	4.6	33.60	7.9	25.5	0.70
I31	06 Feb 2025	17	11.92	89.39	4.5	33.60	7.9	25.5	0.70
I31	06 Feb 2025	18	11.80	89.22	4.4	33.62	7.9	25.6	0.57
I31	06 Feb 2025	19	11.78	86.25	4.2	33.62	7.8	25.6	0.55
I33	06 Feb 2025	1	13.07	92.13	7.0	33.49	8.0	25.2	0.95
I33	06 Feb 2025	2	13.06	92.45	7.0	33.50	8.0	25.2	0.94

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I33	06 Feb 2025	3	13.04	92.37	7.0	33.50	8.0	25.2	0.97
I33	06 Feb 2025	4	12.93	92.71	7.0	33.50	8.0	25.2	0.91
I33	06 Feb 2025	5	12.89	92.90	6.9	33.50	8.0	25.3	0.89
I33	06 Feb 2025	6	12.85	93.18	6.7	33.51	8.0	25.3	0.91
I33	06 Feb 2025	7	12.66	93.33	6.5	33.53	8.0	25.3	0.95
I33	06 Feb 2025	8	12.58	93.11	6.3	33.53	8.0	25.3	0.90
I33	06 Feb 2025	9	12.28	93.43	5.8	33.56	8.0	25.4	0.85
I33	06 Feb 2025	10	11.90	93.58	5.2	33.59	7.9	25.5	0.75
I33	06 Feb 2025	11	11.78	93.96	4.8	33.60	7.9	25.5	0.60
I33	06 Feb 2025	12	11.74	94.39	4.6	33.60	7.9	25.5	0.46
I33	06 Feb 2025	13	11.68	94.69	4.5	33.61	7.9	25.6	0.42
I33	06 Feb 2025	14	11.67	94.92	4.4	33.61	7.9	25.6	0.41
I33	06 Feb 2025	15	11.57	94.93	4.2	33.64	7.8	25.6	0.37
I33	06 Feb 2025	16	11.57	94.68	4.0	33.64	7.8	25.6	0.32
I33	06 Feb 2025	17	11.59	94.37	3.9	33.66	7.8	25.6	0.34
I33	06 Feb 2025	18	11.63	93.51	3.8	33.68	7.8	25.6	0.34
I33	06 Feb 2025	19	11.63	91.15	3.7	33.68	7.8	25.6	0.34
I33	06 Feb 2025	20	11.63	89.71	3.6	33.69	7.8	25.6	0.33
I33	06 Feb 2025	21	11.63	88.19	3.6	33.69	7.8	25.6	0.33
I33	06 Feb 2025	22	11.62	86.77	3.6	33.69	7.8	25.6	0.32
I33	06 Feb 2025	23	11.62	85.92	3.6	33.69	7.8	25.6	0.32
I33	06 Feb 2025	24	11.61	85.70	3.5	33.69	7.8	25.6	0.31
I33	06 Feb 2025	25	11.61	85.26	3.5	33.69	7.8	25.6	0.32
I33	06 Feb 2025	26	11.61	84.42	3.5	33.70	7.8	25.6	0.31
I33	06 Feb 2025	27	11.61	83.76	3.5	33.70	7.8	25.6	0.31
I33	06 Feb 2025	28	11.60	83.19	3.5	33.70	7.8	25.7	0.31
I33	06 Feb 2025	29	11.60	82.36	3.5	33.70	7.8	25.7	0.32
I33	06 Feb 2025	30	11.60	80.24	3.5	33.70	7.8	25.7	0.34
I34	06 Feb 2025	1	12.90	92.82	6.9	33.49	8.0	25.2	1.18
I34	06 Feb 2025	2	12.83	92.58	6.9	33.50	8.1	25.3	1.19
I34	06 Feb 2025	3	12.79	92.67	6.7	33.50	8.0	25.3	1.34
I34	06 Feb 2025	4	12.50	92.35	6.4	33.53	8.0	25.3	1.69
I34	06 Feb 2025	5	12.29	92.32	6.0	33.53	8.0	25.4	1.47
I34	06 Feb 2025	6	12.20	92.59	5.8	33.54	8.0	25.4	1.15
I34	06 Feb 2025	7	12.17	92.87	5.6	33.54	8.0	25.4	1.06
I34	06 Feb 2025	8	12.14	93.22	5.5	33.54	8.0	25.4	1.05
I34	06 Feb 2025	9	12.08	93.23	5.4	33.55	7.9	25.4	0.99
I34	06 Feb 2025	10	11.89	93.29	5.0	33.59	7.9	25.5	0.90
I34	06 Feb 2025	11	11.73	93.61	4.4	33.64	7.9	25.6	0.64
I34	06 Feb 2025	12	11.73	91.11	4.0	33.66	7.8	25.6	0.49
I34	06 Feb 2025	13	11.72	82.19	3.8	33.66	7.8	25.6	0.47
I34	06 Feb 2025	14	11.71	84.23	3.8	33.67	7.8	25.6	0.49
I34	06 Feb 2025	15	11.70	82.60	3.8	33.67	7.8	25.6	0.48
I34	06 Feb 2025	16	11.68	80.28	3.7	33.67	7.8	25.6	0.46
I34	06 Feb 2025	17	11.68	79.51	3.7	33.67	7.8	25.6	0.46
I34	06 Feb 2025	18	11.68	78.86	3.7	33.67	7.8	25.6	0.45
I34	06 Feb 2025	19	11.68	78.22	3.7	33.67	7.8	25.6	0.45
I35	06 Feb 2025	1	13.39	91.20	8.0	33.45	8.1	25.1	1.14
I35	06 Feb 2025	2	13.39	91.02	8.0	33.45	8.1	25.1	0.94
I35	06 Feb 2025	3	13.35	90.87	8.0	33.46	8.1	25.1	1.14
I35	06 Feb 2025	4	13.32	90.67	8.0	33.47	8.1	25.1	2.05
I35	06 Feb 2025	5	13.20	89.54	7.9	33.48	8.1	25.2	3.06
I35	06 Feb 2025	6	13.10	87.98	7.7	33.49	8.1	25.2	3.82
I35	06 Feb 2025	7	12.99	88.21	7.4	33.51	8.1	25.2	4.65
I35	06 Feb 2025	8	12.89	87.30	7.1	33.52	8.1	25.3	4.50
I35	06 Feb 2025	9	12.78	86.91	6.8	33.53	8.1	25.3	4.31
I35	06 Feb 2025	10	12.59	87.20	6.4	33.55	8.0	25.4	3.70
I35	06 Feb 2025	11	12.43	86.93	5.8	33.57	8.0	25.4	2.61
I35	06 Feb 2025	12	12.38	85.48	5.5	33.57	7.9	25.4	1.56

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I35	06 Feb 2025	13	12.35	84.85	5.3	33.58	7.9	25.4	1.28
I35	06 Feb 2025	14	12.28	85.11	5.1	33.59	7.9	25.4	1.23
I35	06 Feb 2025	15	12.25	84.63	5.0	33.59	7.9	25.4	1.02
I35	06 Feb 2025	16	12.23	84.43	4.9	33.59	7.9	25.5	1.06
I35	06 Feb 2025	17	12.14	84.56	4.7	33.61	7.9	25.5	1.03
I35	06 Feb 2025	18	12.00	82.05	4.1	33.64	7.8	25.5	0.74
I35	06 Feb 2025	19	11.92	69.42	3.8	33.65	7.8	25.6	0.72
I36	06 Feb 2025	1	13.68	78.27	8.2	33.39	8.1	25.0	2.42
I36	06 Feb 2025	2	13.65	77.51	8.2	33.40	8.1	25.0	2.56
I36	06 Feb 2025	3	13.57	76.66	8.2	33.42	8.1	25.1	4.84
I36	06 Feb 2025	4	13.45	74.08	8.3	33.43	8.1	25.1	6.13
I36	06 Feb 2025	5	13.44	73.29	8.2	33.45	8.1	25.1	6.13
I36	06 Feb 2025	6	13.40	74.39	8.0	33.47	8.1	25.1	6.88
I36	06 Feb 2025	7	13.29	77.60	7.9	33.48	8.1	25.2	6.61
I36	06 Feb 2025	8	13.13	79.83	7.8	33.48	8.1	25.2	4.62
I36	06 Feb 2025	9	13.08	80.28	7.7	33.48	8.0	25.2	3.05
I36	06 Feb 2025	10	12.98	79.70	7.5	33.48	8.0	25.2	2.23
I36	06 Feb 2025	11	12.79	75.51	6.9	33.50	8.0	25.3	1.35
I37	06 Feb 2025	1	13.61	81.83	8.6	33.45	8.2	25.1	5.15
I37	06 Feb 2025	2	13.61	81.87	8.7	33.45	8.2	25.1	5.13
I37	06 Feb 2025	3	13.61	82.09	8.7	33.45	8.2	25.1	5.45
I37	06 Feb 2025	4	13.61	81.99	8.7	33.45	8.2	25.1	5.61
I37	06 Feb 2025	5	13.58	81.10	8.6	33.45	8.2	25.1	5.80
I37	06 Feb 2025	6	13.43	82.22	8.3	33.48	8.2	25.1	5.37
I37	06 Feb 2025	7	13.27	83.44	8.0	33.49	8.1	25.2	3.26
I37	06 Feb 2025	8	13.21	85.37	7.7	33.50	8.1	25.2	2.33
I37	06 Feb 2025	9	12.95	86.51	7.2	33.52	8.1	25.3	2.19
I37	06 Feb 2025	10	12.70	87.17	6.4	33.54	8.0	25.3	2.09
I37	06 Feb 2025	11	12.29	85.48	5.5	33.59	8.0	25.4	1.46
I37	06 Feb 2025	12	12.16	81.87	4.8	33.59	7.9	25.5	0.97
I38	06 Feb 2025	1	13.89	80.83	9.0	33.47	8.2	25.0	2.28
I38	06 Feb 2025	2	13.79	80.55	9.0	33.47	8.2	25.0	2.93
I38	06 Feb 2025	3	13.69	77.00	9.0	33.47	8.2	25.1	5.06
I38	06 Feb 2025	4	13.56	74.64	8.8	33.48	8.2	25.1	6.03
I38	06 Feb 2025	5	13.41	74.63	8.6	33.48	8.1	25.1	5.45
I38	06 Feb 2025	6	13.25	77.77	8.3	33.49	8.1	25.2	4.98
I38	06 Feb 2025	7	13.15	79.17	8.1	33.49	8.1	25.2	4.23
I38	06 Feb 2025	8	13.04	76.81	7.8	33.50	8.1	25.2	3.66
I38	06 Feb 2025	9	12.73	74.08	7.3	33.54	8.0	25.3	2.52
I38	06 Feb 2025	10	12.39	79.09	6.4	33.57	8.0	25.4	1.13
I38	06 Feb 2025	11	12.29	75.60	5.5	33.58	7.9	25.4	1.01

NA = not available

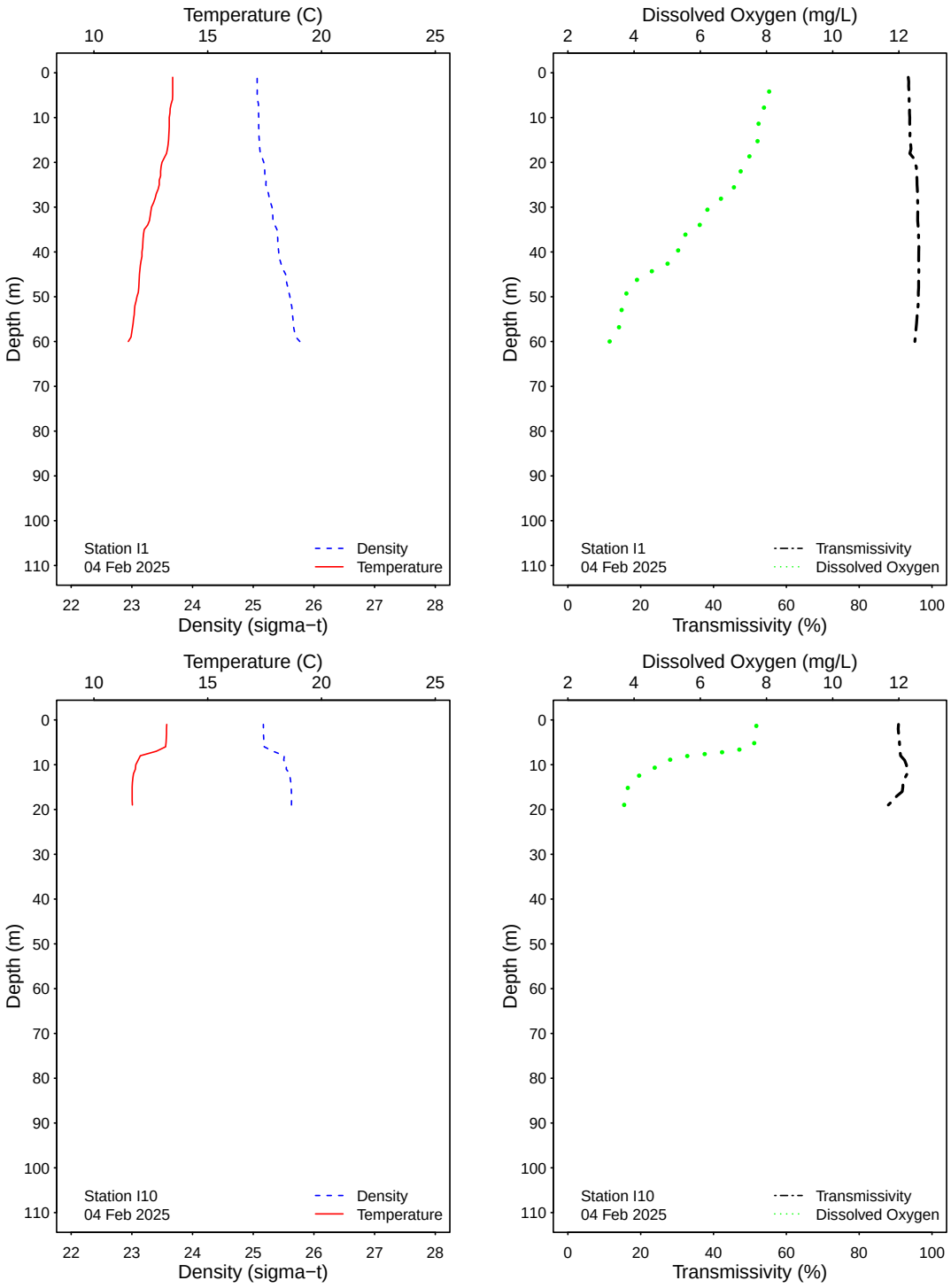

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

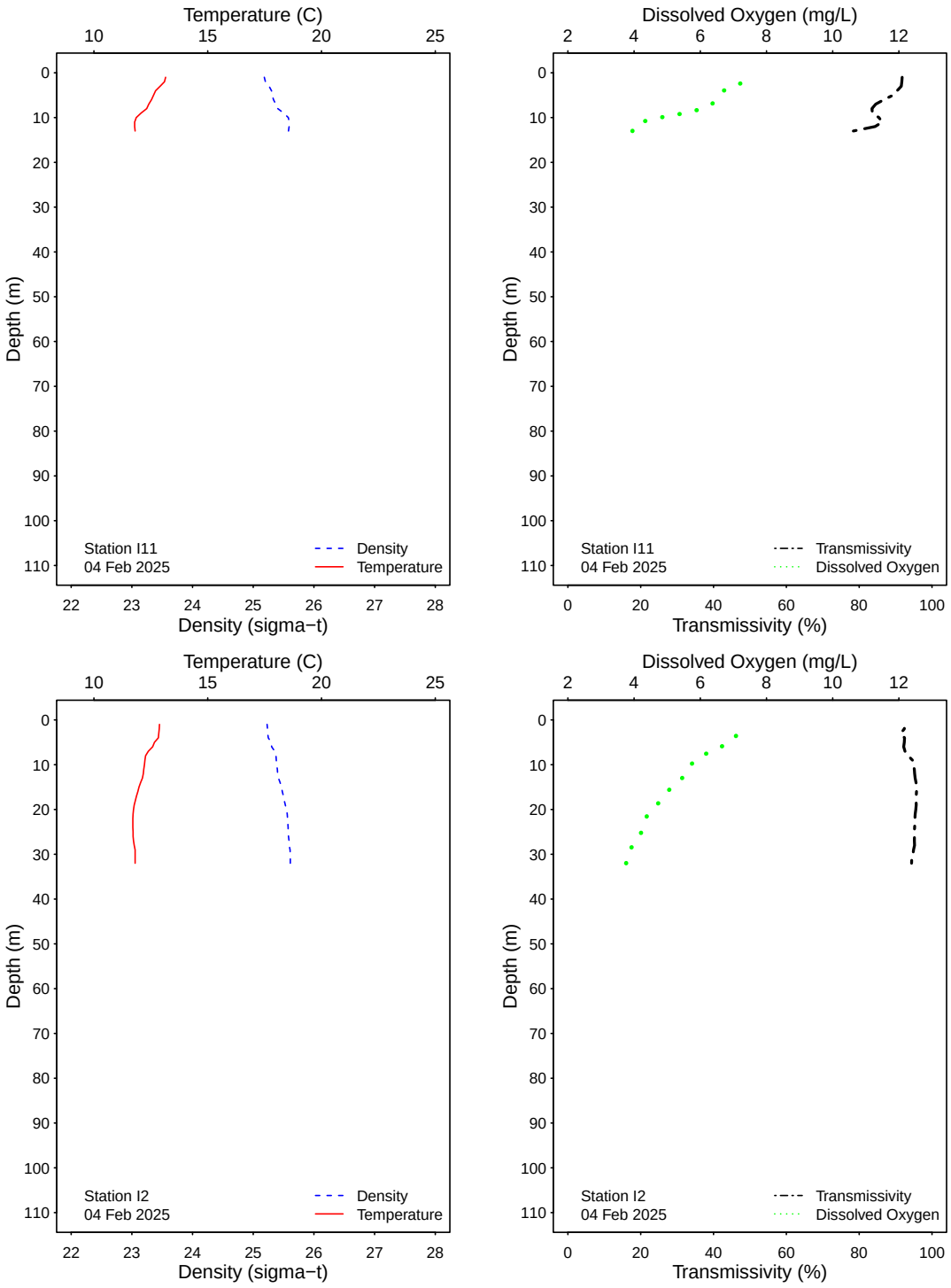

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

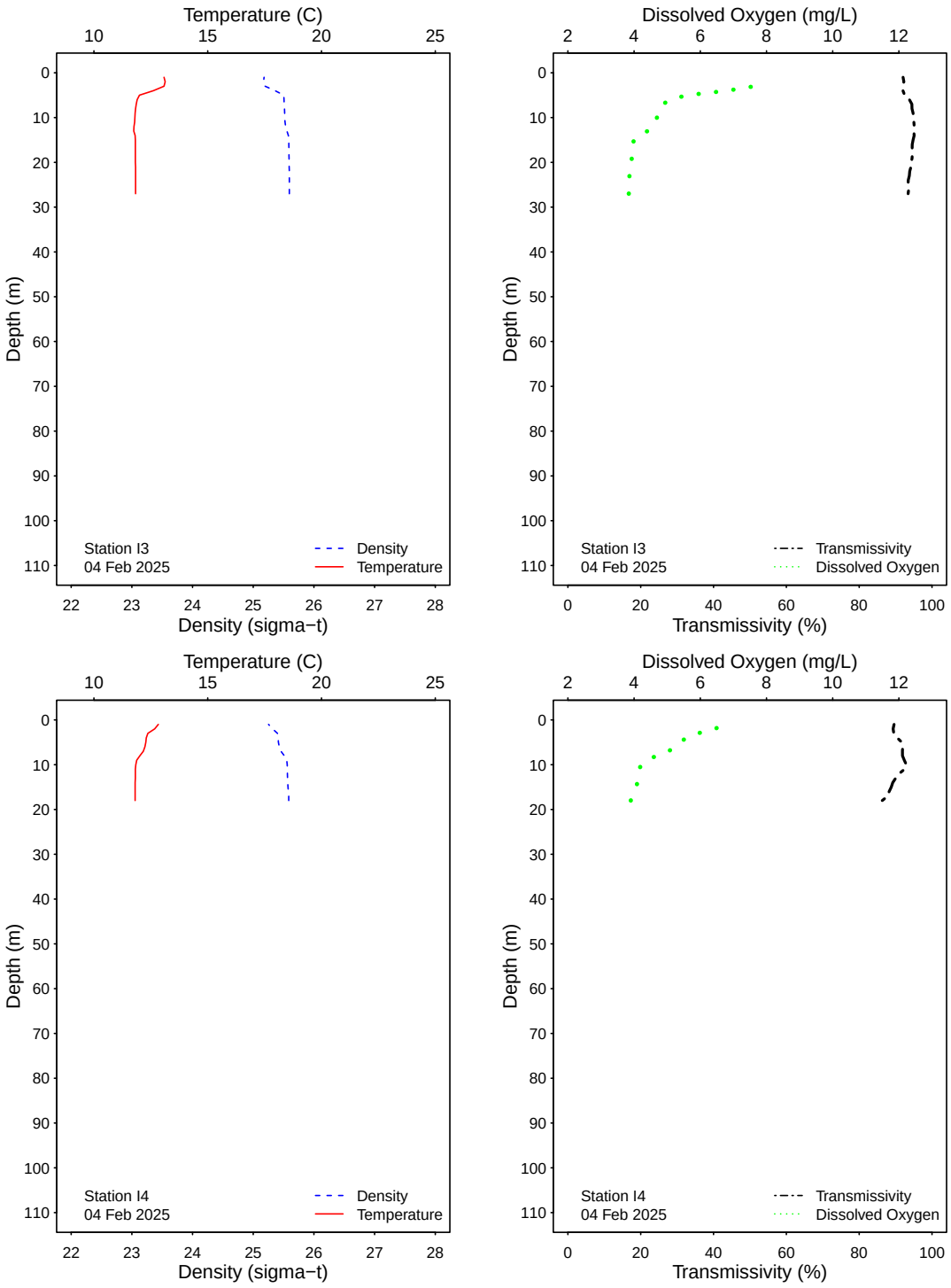

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

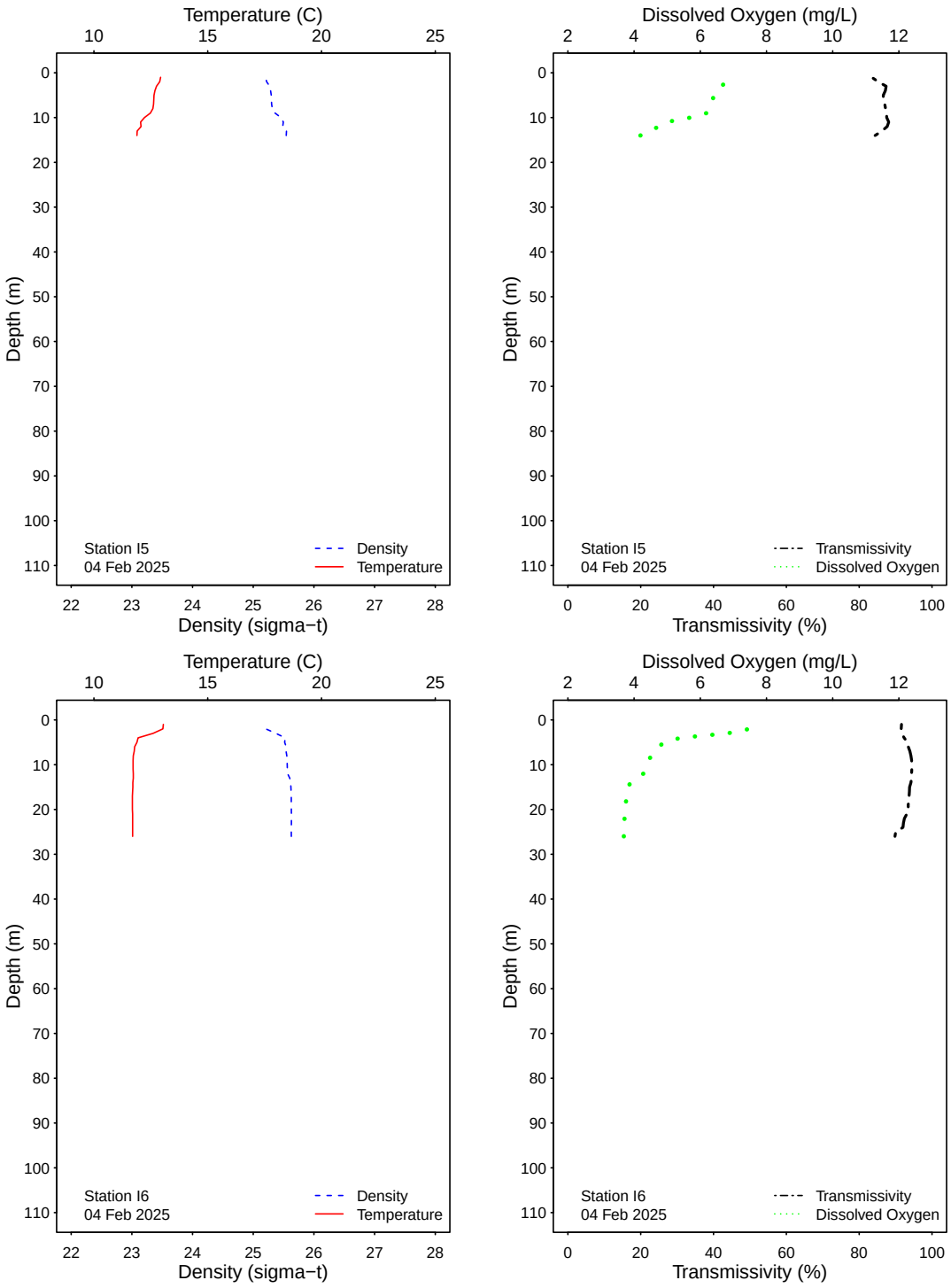

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

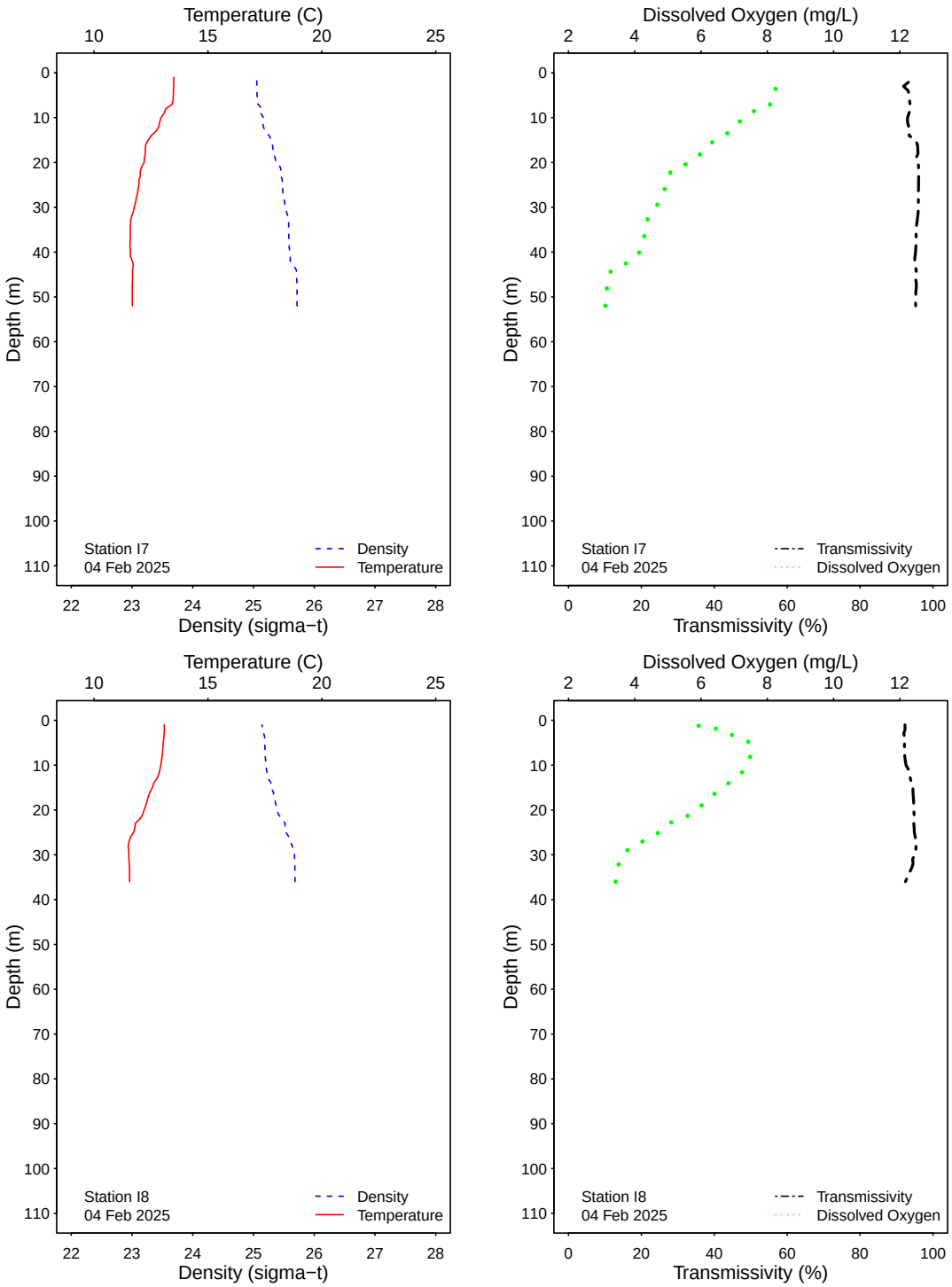

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

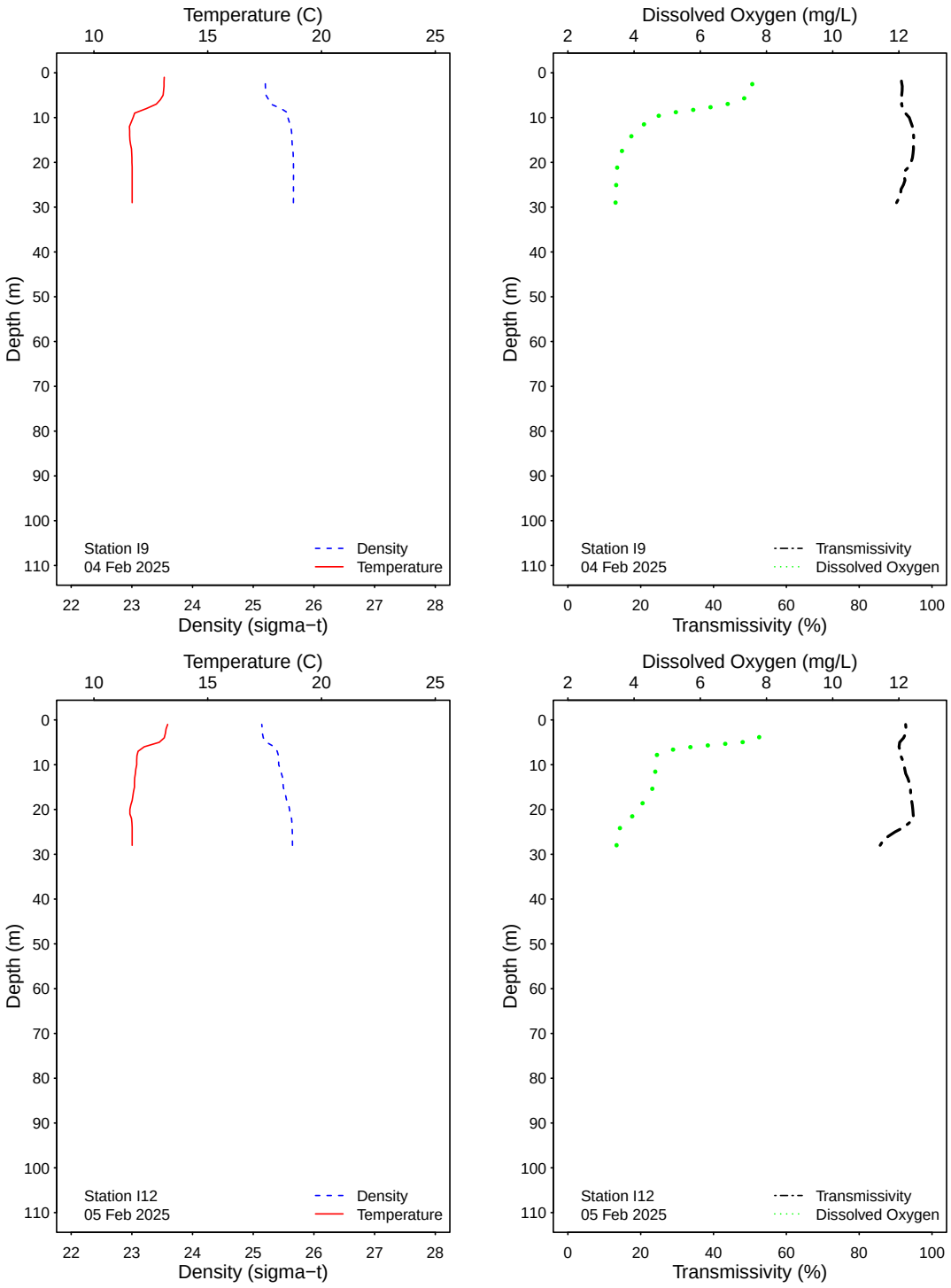

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

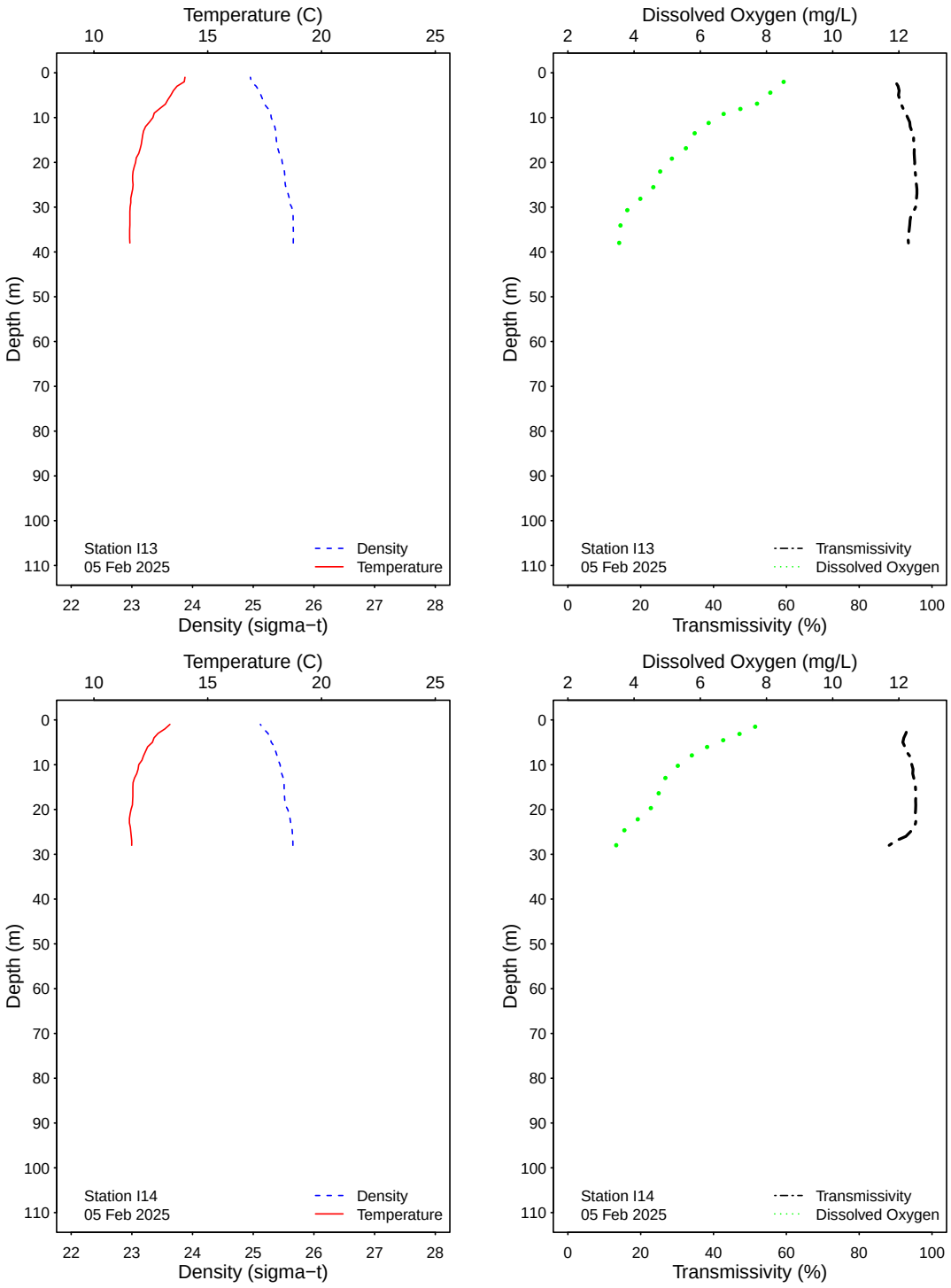

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

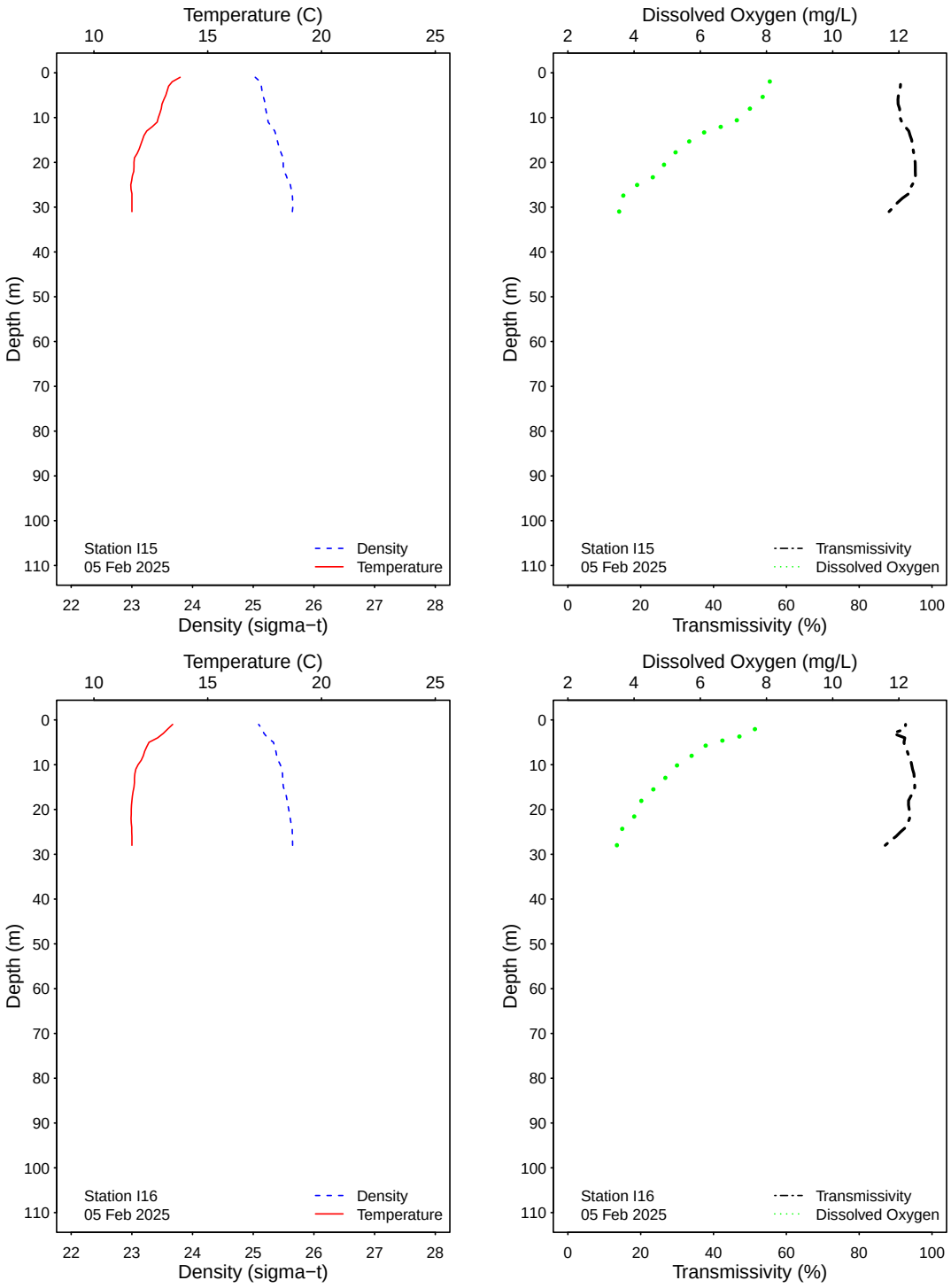

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

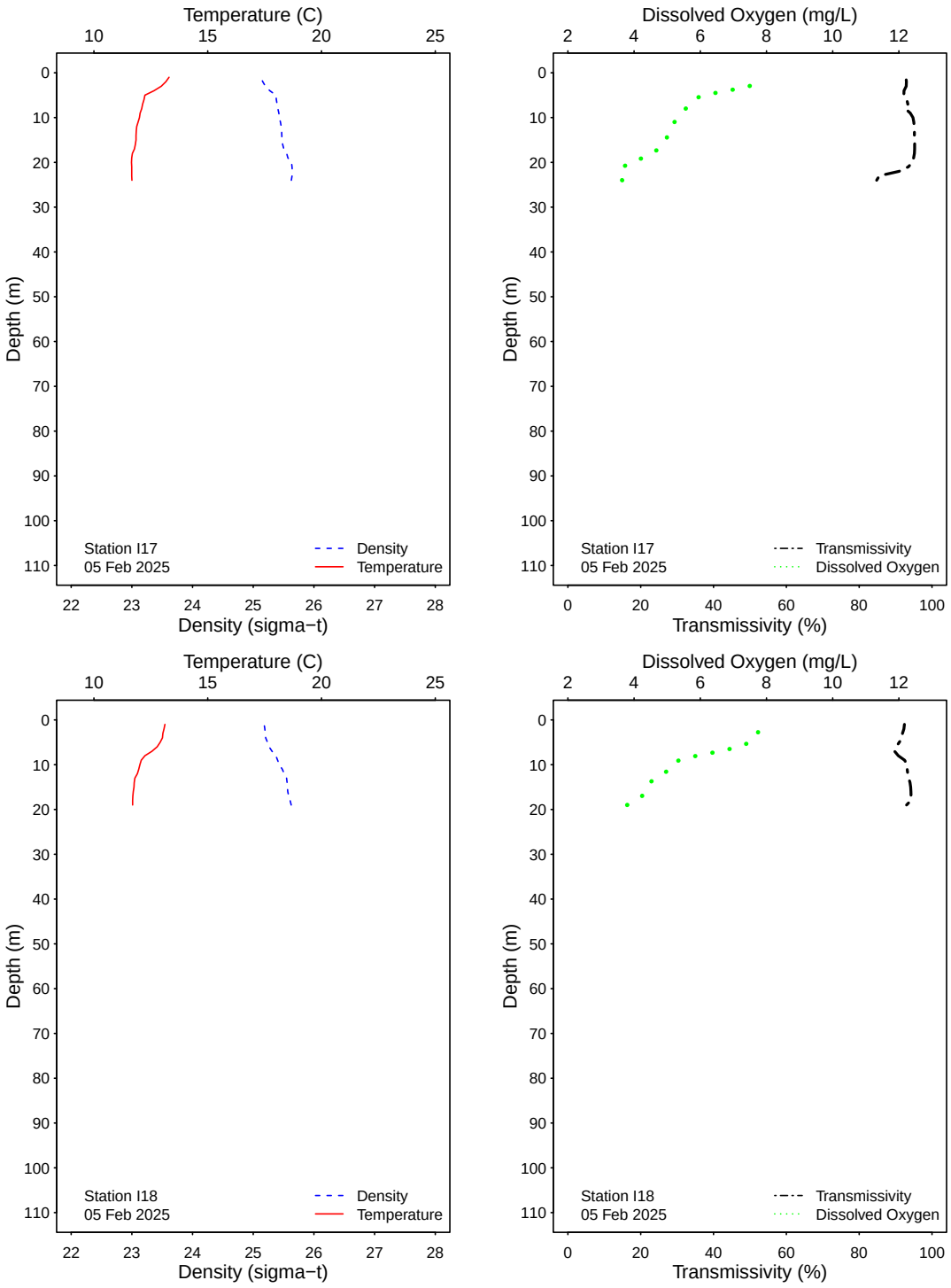

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

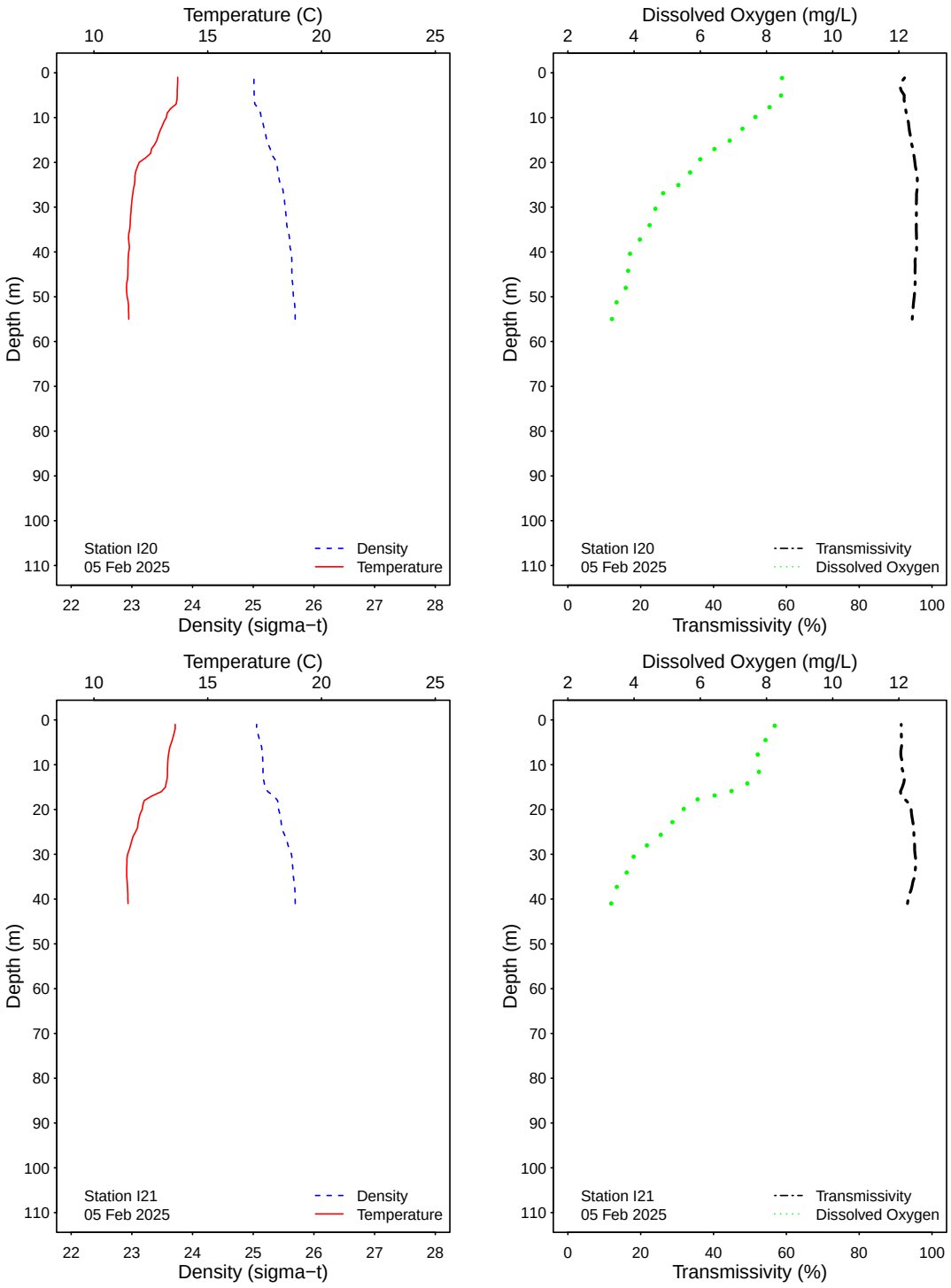

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

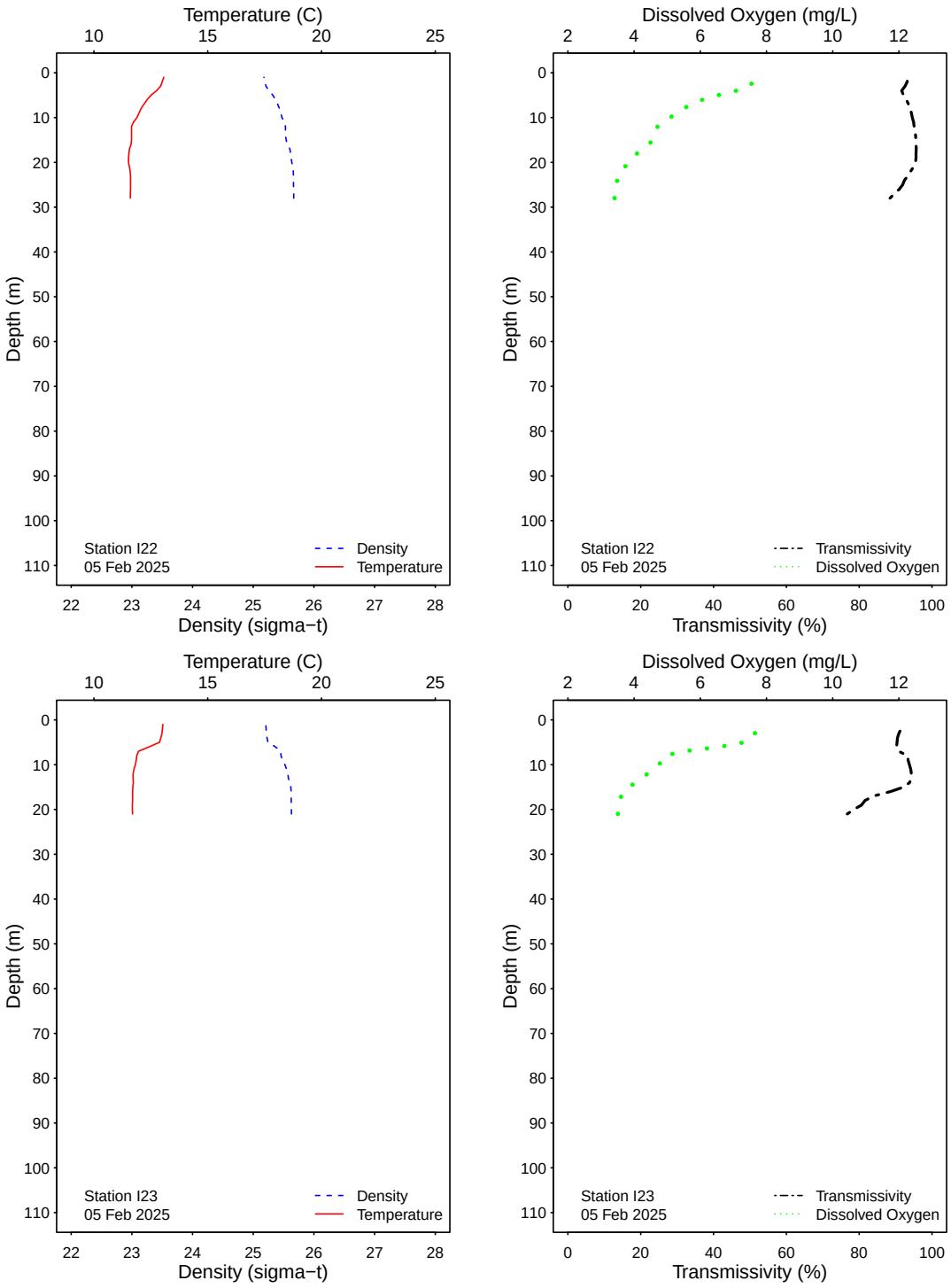

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

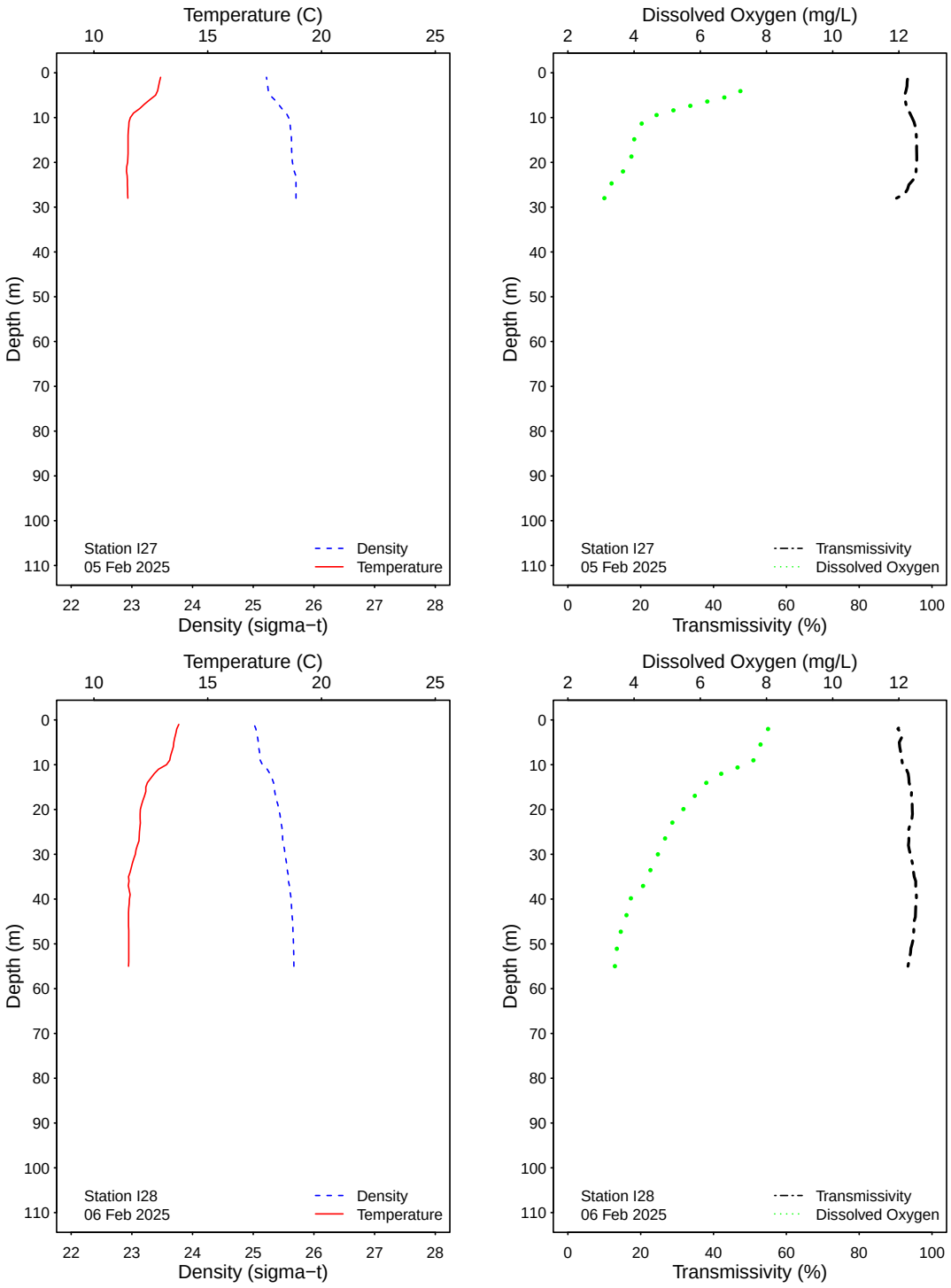

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

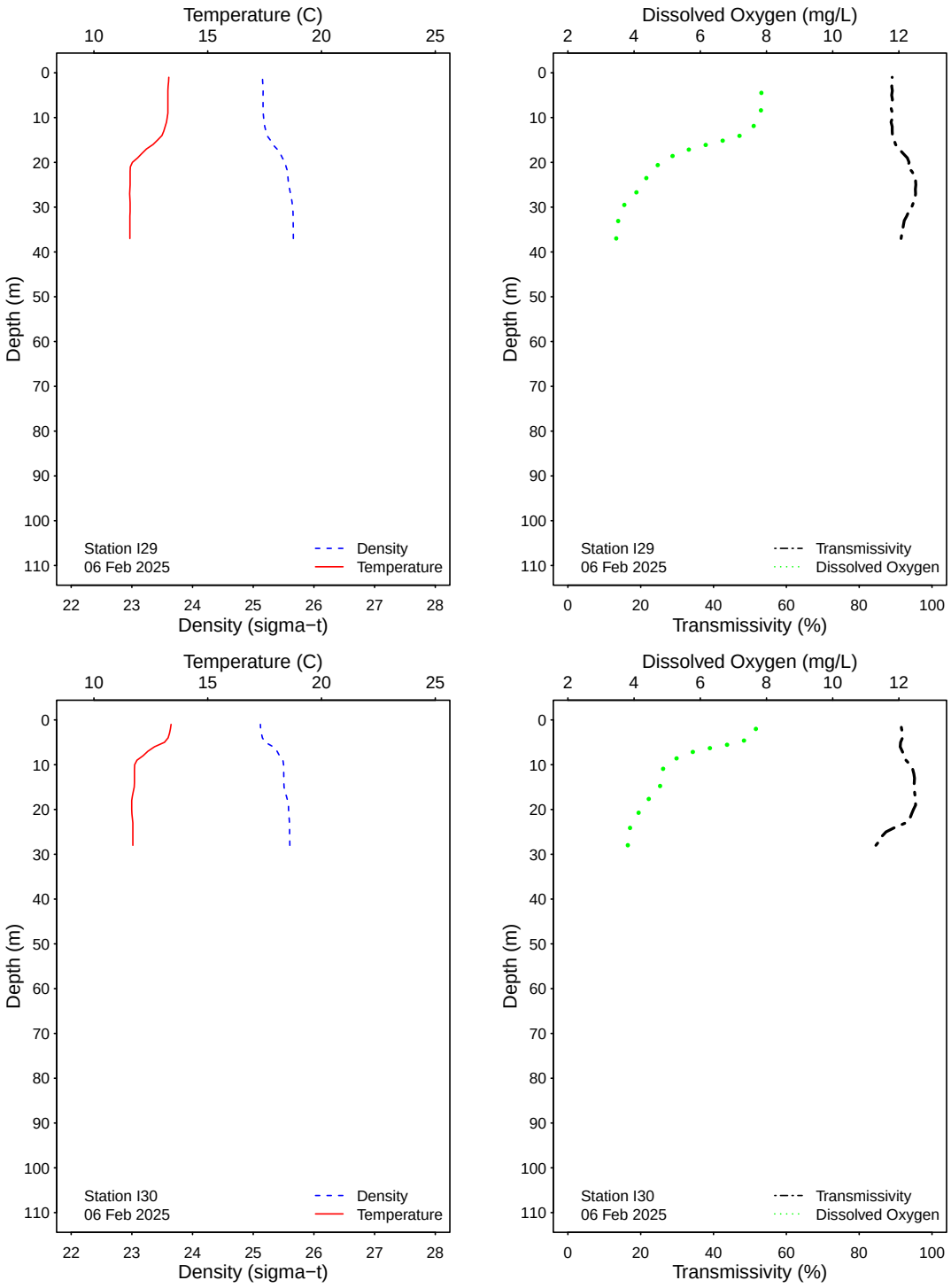

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

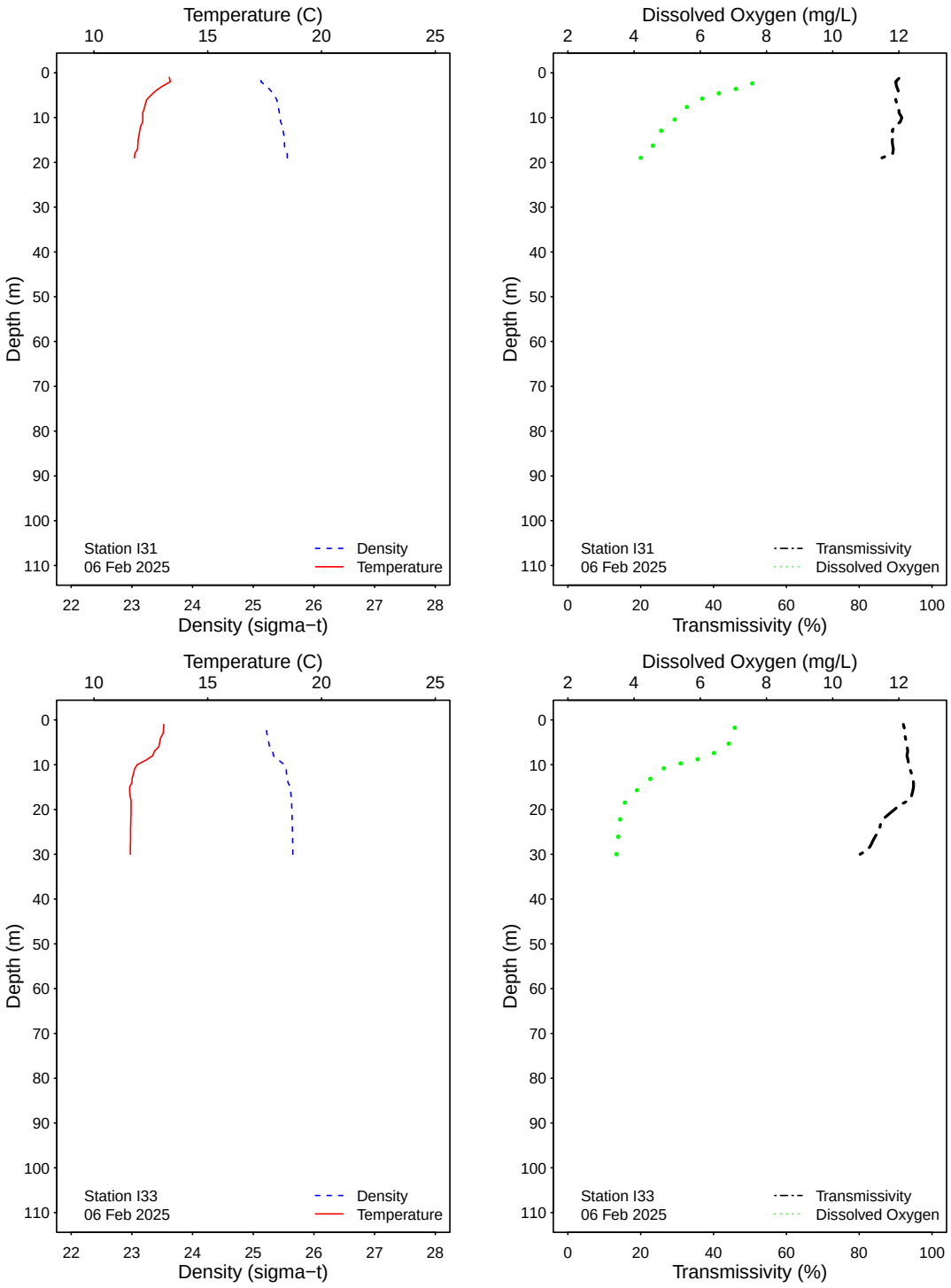

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

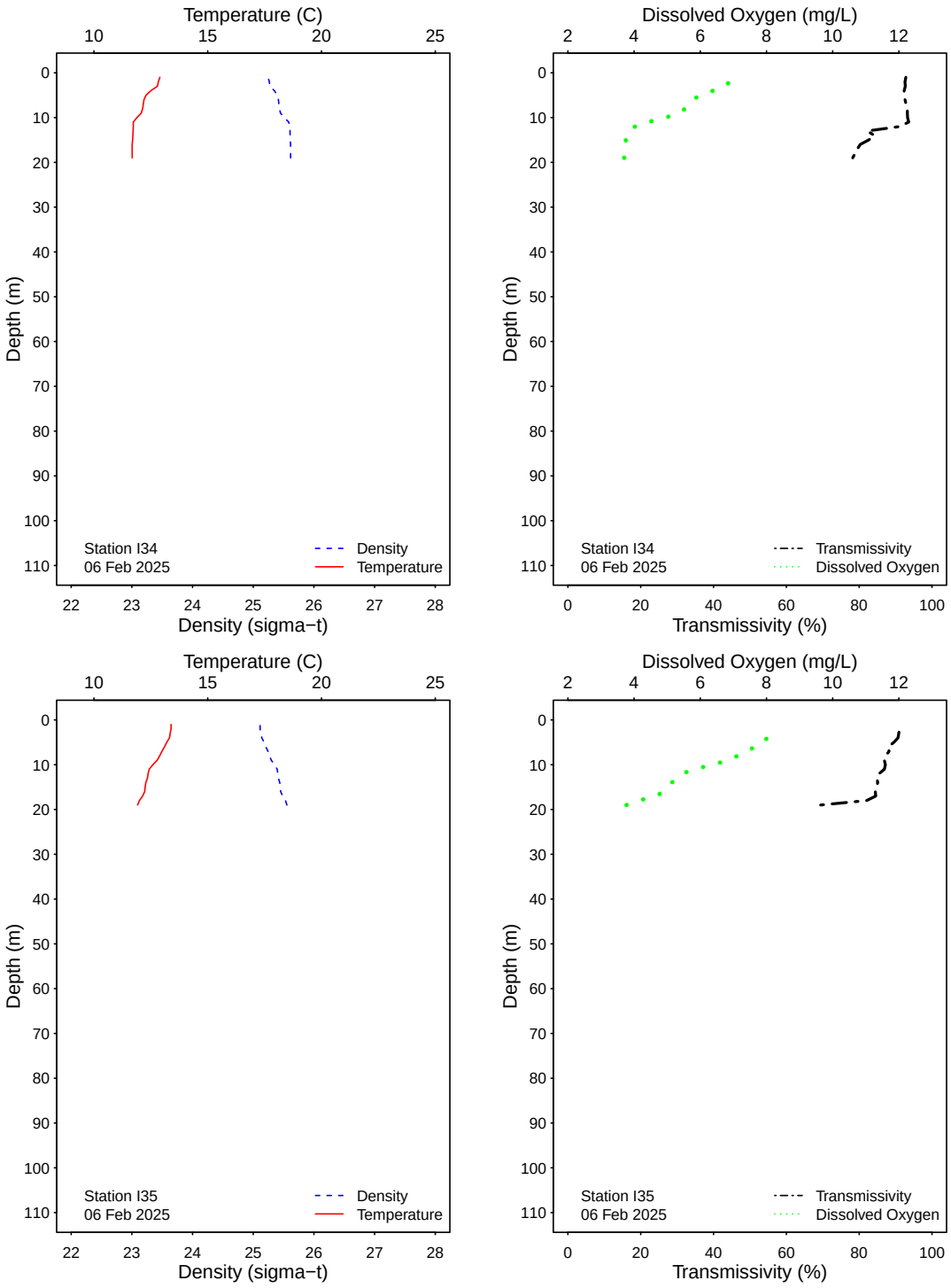

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

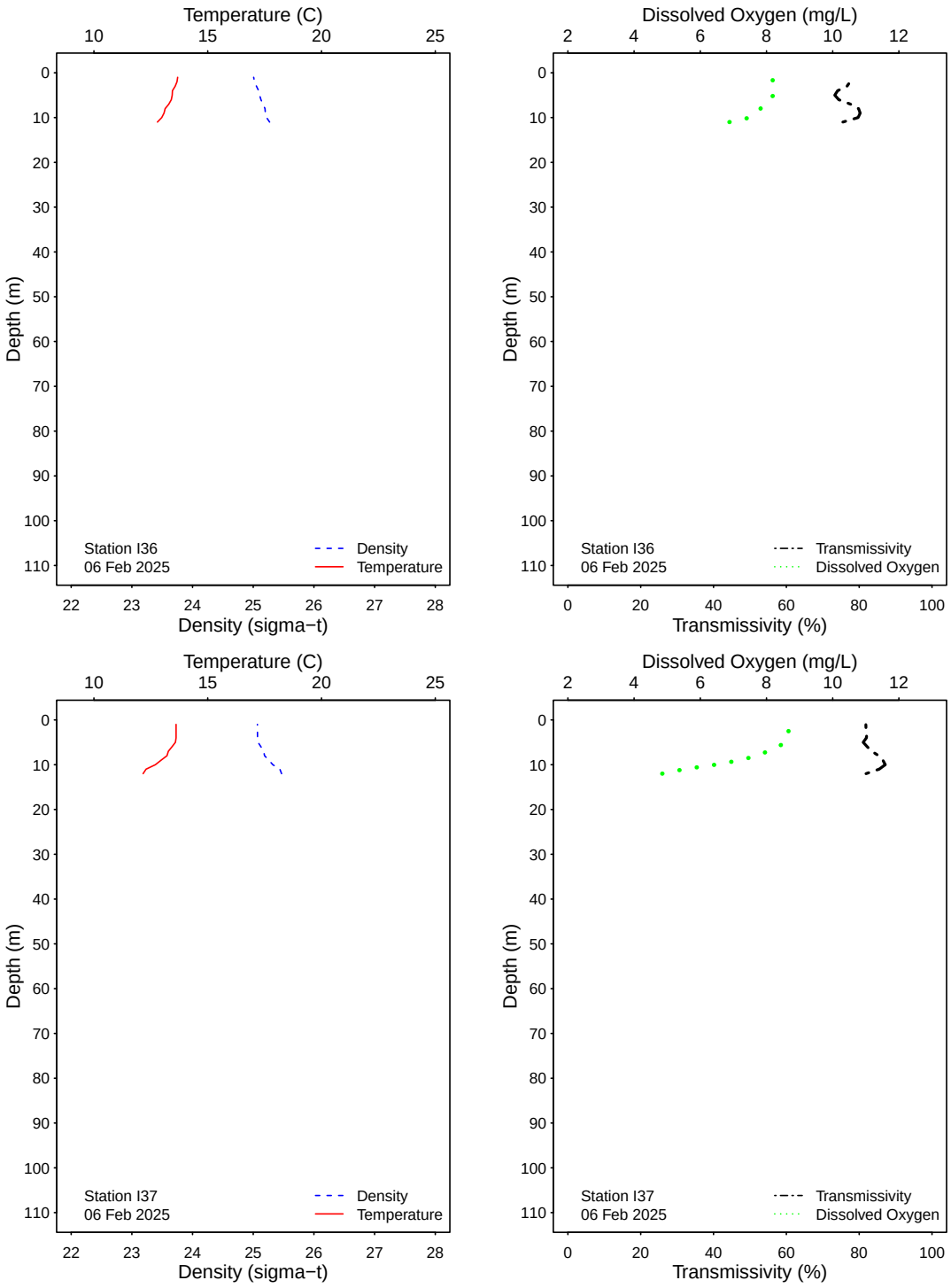

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

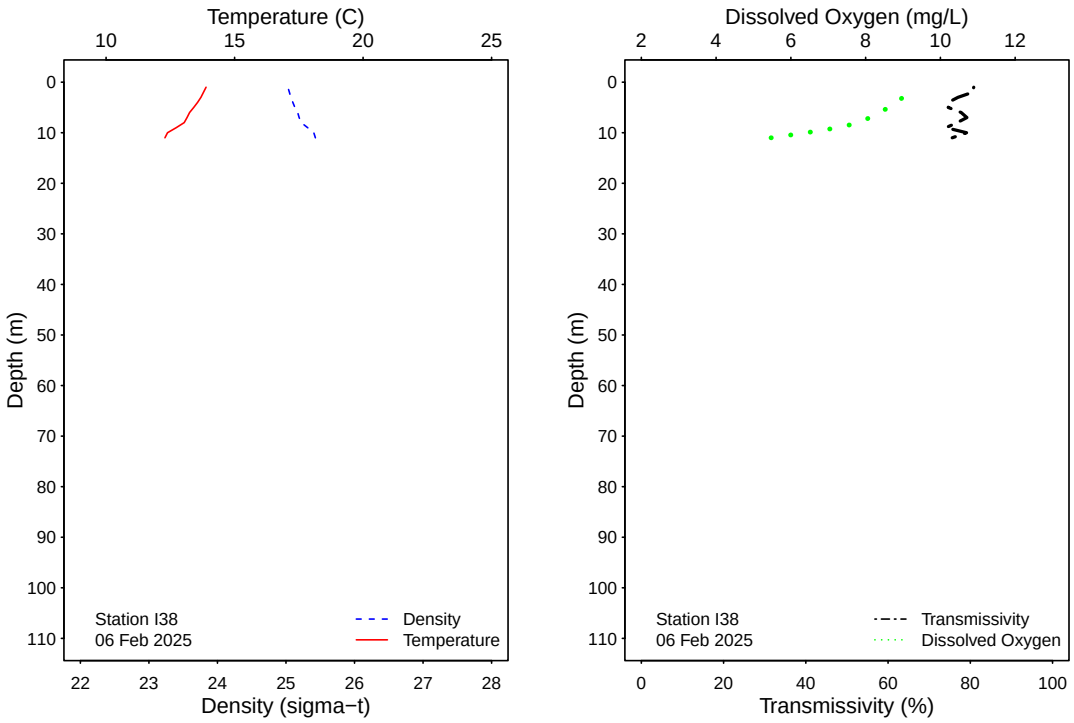

Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

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	04 Feb 2025	18	KA	LAB DUPLICATE	44	2	2
I9	04 Feb 2025	27	KA	LAB DUPLICATE	720	140	12
I8	04 Feb 2025	37	KA	LAB DUPLICATE	4400	320	22
I12	05 Feb 2025	18	WT	LAB DUPLICATE	400	74	14
I19	03 Feb 2025	6	KT	LAB DUPLICATE	200	6	4
I19	10 Feb 2025	6	JF	LAB DUPLICATE	2200	280	100
I19	19 Feb 2025	6	JF	LAB DUPLICATE	16000	8000	660
I19	24 Feb 2025	6	NCD	LAB DUPLICATE	12	2	2
I13	05 Feb 2025	18	WT	LAB DUPLICATE	2	2	16
I16	05 Feb 2025	18	WT	LAB DUPLICATE	320	48	2
I40	03 Feb 2025	6	KT	LAB DUPLICATE	440	26	32
I40	10 Feb 2025	6	JF	LAB DUPLICATE	14000	1800	400
I40	19 Feb 2025	6	JF	LAB DUPLICATE	3200	460	68
I40	24 Feb 2025	6	NCD	LAB DUPLICATE	15000	3200	600
S12	04 Feb 2025		KA	LAB DUPLICATE	20	8	22
S12	04 Feb 2025		KA	FIELD DUPLICATE	26	4	22
S12	11 Feb 2025		KT	FIELD DUPLICATE	16000	12000	5800
S12	11 Feb 2025		KT	LAB DUPLICATE	16000	12000	5800
S12	18 Feb 2025		NCD	FIELD DUPLICATE	16000	6400	760
S12	18 Feb 2025		NCD	LAB DUPLICATE	16000	5000	560
S12	25 Feb 2025		KT	FIELD DUPLICATE	20	20	6
S12	25 Feb 2025		KT	LAB DUPLICATE	20	2	2
I30	06 Feb 2025	27	JF	LAB DUPLICATE	100	6	6
I36	06 Feb 2025	11	JF	FIELD DUPLICATE	20	4	2
I36	06 Feb 2025	11	JF	LAB DUPLICATE	18	2	10

ns = not sampled
ND = no data

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