



# **POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT**

**POINT LOMA  
WASTEWATER TREATMENT PLANT**

NPDES Permit No. CA0107409  
SDRWQCB Order No. R9-2017-0007

**MAY 2019**  
**REVISED MARCH 2021**

Environmental Monitoring and Technical Services  
2392 Kincaid Road • Mail Station 45A • San Diego, CA 92101  
Tel (619) 758-2300 Fax (619) 758-2309





April 1, 2021

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 revised May 2019 Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall, Point Loma Wastewater Treatment Plant as required per Order No. R9-2017-0007, NPDES Permit No. CA0107409. This revised report is being submitted to address data integrity issues identified to the Board in the letter dated October 22, 2020, subject: "San Diego NPDES Shoreline Sampling Program Report."

This report includes raw ocean monitoring data and summaries of water quality parameters and ocean conditions measured during the month for the Point Loma outfall region. Also included are summaries of compliance with the bacterial water-contact standards specified in the California Ocean Plan.

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 Public Utilities Director

PV/rk

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



## INTRODUCTION

Monthly reports of water quality and ocean conditions for the San Diego coastal region surrounding the Point Loma Ocean Outfall are submitted to the San Diego Regional Water Quality Control Board and U.S. EPA Region 9 in accordance with Order No. R9-2017-0007, NPDES Permit No. CA0107409 for the Point Loma Wastewater Treatment Plant (PLWTP), Point Loma Ocean Outfall (PLOO). 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 PLWTP are presented in separate reports.

## MATERIALS AND METHODS

### ***Shore Stations***

Water quality conditions are required to be monitored at eight shoreline stations, including D4, D5, D7, D8, D9, D10, D11 and D12, which range from the tip of the Point Loma Peninsula to west of Mission Bay (see station locations map). Over the past several years, due to increasing instability in several cliffside areas of Point Loma, City staff have been unable to safely access and sample several stations at various times. This lack of access has resulted in the following modifications:

- Station D8 was replaced by alternate station D8-A during June 2016. However, due to increasing instability, City staff have been unable to safely access and sample station D8-A since February 7, 2018. During March 2018, the City identified an alternate location for stations D8/D8-A. This new station, designated D8-B, is located about 150 feet north of D8-A.

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 several types of fecal indicator bacteria (FIBs), including total coliforms, fecal coliforms, and *Enterococcus*. Visual observations of water color and clarity, surf height, human or animal activity, and weather conditions were also recorded at the time of sample collection. Wind speed and direction were measured using a hand-held anemometer with a compass.

### ***Kelp Bed Stations***

The eight kelp stations were sampled weekly according to permit specifications in order to monitor water quality conditions within the Point Loma kelp forest. These stations include three sites located along the inshore edge of the kelp bed paralleling the 9-m depth contour (i.e., stations C4, C5 and C6), and five sites located near the offshore edge of the kelp bed along the 18-m depth contour (i.e., stations A1, A6, A7, C7 and C8).

Routine weekly monitoring at each of the kelp bed sites consisted primarily of collecting seawater samples at discrete depths to determine concentrations of indicator bacteria (i.e., total coliforms, fecal coliforms, and *Enterococcus*). Water column profiles of various physical/chemical parameters were also generated during each sampling event, and visual observations of weather and water conditions were recorded at each station.

Seawater samples at the kelp bed stations were 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 temperature, transmissivity, dissolved oxygen, pH, salinity, density, chlorophyll *a* were generated using a Sea-Bird conductivity, temperature and depth instrument (CTD), which collects these data at a rate of  $\geq 4$  scans per second. These scans were then internally averaged to create water column profiles with data readings at a rate of one per meter. Additionally, CTD profile data for each water sample depth are presented with the bacteriological data.

### ***Offshore Stations***

Offshore water quality sampling is conducted quarterly typically during the months of February, May, August and November. A total of 36 offshore stations (F01–F36) are sampled during each survey usually over a 3-day period. Three of the stations (F01–F03) are located along the 18-m depth contour, while 11 stations are located along each of the following contours: 60 m (stations F04–F14); 80 m (stations F15–F25); 98 m (stations F26–F36). Of these 36 stations, 15 (F01–F03, F06–F14, F18–F20) are located within State jurisdictional waters (i.e., within 3 nautical miles of shore) and are subject to the California Ocean Plan's compliance standards. Monitoring at all offshore sites includes measurements of *Enterococcus* bacteria, water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, transmissivity, chromomorphic dissolved organic matter (CDOM), and visual observations of weather and water conditions.

Seawater samples for bacteriological analyses at the offshore stations were collected using a CTD-integrated rosette sampler with Niskin bottles. Profiles of the various physical/chemical parameters (listed above) are taken using a Sea-Bird CTD. Additionally, data for depths closest to those at which bacteriological samples were collected were extracted from the CTD profiles and 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)<sup>[1]</sup>. 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 geometric mean and single sample maximum water-contact standards specified in the California Ocean Plan. The seven standards are defined as follows:

**30-day Geometric Mean:** The following standards are based on the geometric mean of the five most recent samples from each site.

- (1) Total coliform density shall not exceed 1000 CFU/100 mL;

---

<sup>[1]</sup>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.

- (2) Fecal coliform density shall not exceed 200 CFU/100 mL;
- (3) *Enterococcus* density shall not exceed 35 CFU/100 mL.

**Single Sample Maximums:**

- (1) Total coliform density shall not exceed 10,000 CFU/100 mL;
- (2) Fecal coliform density shall not exceed 400 CFU/100 mL;
- (3) *Enterococcus* density shall not exceed 104 CFU/100 mL;
- (4) Total coliform density shall not exceed 1,000 CFU/100 mL when the fecal coliform/total coliform ratio exceeds 0.1.

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) 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 2019 Quality Assurance Report, which will be completed in March 2020.

## **SUMMARY OF RESULTS**

***Shore Stations***

- The eight shore stations (D4, D5, D7, D8-B, D9, D10, D11, D12) were sampled four times during May (i.e. May 8, 15, 22, 29). Subsequent to initial reporting, the sample collected at station D9 on May 15 was determined to be problematic. The results from this sample have been removed from this report.
- All remaining samples collected in May were in compliance with various California Ocean Plan (Ocean Plan) water-contact standards.
- Over the years, elevated bacteria levels at shore and kelp bed stations have tended to be associated with rainfall events, heavy recreational use, or the presence of seabirds or decaying kelp and surfgrass. 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 details (<https://www.sandiego.gov/public-utilities/sustainability/ocean-monitoring/reports>).
- Nothing of sewage origin was observed at any of the shore stations.

***Kelp Bed Stations***

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled four times during the month (i.e. May 6, 13, 23, 29).
- During May, all of the kelp bed stations were in compliance with various water-contact standards specified in the Ocean Plan.

- Water column temperatures ranged from 10.35 to 17.84°C during the month. The difference between surface and bottom waters ranged from 2.49 to 5.64°C, indicating that the water column was stratified at some of the kelp bed stations during the month.
- Chlorophyll *a* concentrations ranged from 0.39 to 10.11 µg/L during May, suggesting the presence of phytoplankton blooms during the month.
- Nothing of sewage origin was observed at any of the kelp stations.

### ***Offshore Stations***

- Quarterly water quality sampling was conducted at the offshore stations on May 7, 8, 9.
- During May, all of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) were in compliance with the relevant Ocean Plan single sample maximum (SSM) standard for *Enterococcus*.
- All but four of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
  - o Exceptions included station F25, which exceeded the SSM for *Enterococcus* on May 9, and stations F30, F31, and F33, which exceeded the SSM for *Enterococcus* on May 7.
- During May, water column temperatures ranged from 9.51 to 18.53°C. The difference between surface and bottom waters ranged from 0.01 to 8.53°C, indicating that the water column was stratified at some of the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0.11 to 6.65 µg/L at the offshore stations during the month, suggesting the presence of phytoplankton blooms.
- CDOM data are available upon request.
- Nothing of sewage origin was observed at any of the offshore stations.



## TABLES AND FIGURES





**Figure 1.1** Station Map



# Shore Stations



**Table 2.1**

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for total coliform bacteria at the PLOO 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 >1,000 CFU/100 mL exceed the standard.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 May 2019	4	10	13	47	22	31	26	4
02 May 2019	4	10	13	47	22	31	26	4
03 May 2019	5	11	15	39	20	47	31	4
04 May 2019	5	11	15	39	20	47	31	4
05 May 2019	5	11	15	39	20	47	31	4
06 May 2019	5	11	15	39	20	47	31	4
07 May 2019	5	11	15	39	20	47	31	4
08 May 2019	4	8	16	34	20	41	36	4
09 May 2019	4	8	16	34	20	41	36	4
10 May 2019	3	6	11	39	20	37	28	2
11 May 2019	3	6	11	39	20	37	28	2
12 May 2019	3	6	11	39	20	37	28	2
13 May 2019	3	6	11	39	20	37	28	2
14 May 2019	3	6	11	39	20	37	28	2
15 May 2019	3	5	8	22	20	26	22	2
16 May 2019	3	5	8	22	20	26	22	2
17 May 2019	3	5	8	22	20	26	22	2
18 May 2019	2	4	11	22	20	28	30	2
19 May 2019	2	4	11	22	20	28	30	2
20 May 2019	2	4	11	22	20	28	30	2
21 May 2019	2	4	11	22	20	28	30	2
22 May 2019	6	5	13	34	20	41	43	4
23 May 2019	6	5	13	34	20	41	43	4
24 May 2019	8	6	20	39	20	49	53	4
25 May 2019	8	6	20	39	20	49	53	4
26 May 2019	8	6	20	39	20	49	53	4
27 May 2019	8	6	20	39	20	49	53	4
28 May 2019	8	6	20	39	20	49	53	4
29 May 2019	8	8	23	54	20	65	43	8
30 May 2019	10	6	13	36	20	49	37	11
31 May 2019	10	6	13	36	20	49	37	11

\* Geometric mean calculated using n<5

ns = not sampled

**Table 2.2**

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for fecal coliform bacteria at the PLOO 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	D4	D5	D7	D8-B	D9	D10	D11	D12
01 May 2019	3	3	5	4	5	8	7	2
02 May 2019	3	3	5	4	5	8	7	2
03 May 2019	4	2	6	5	7	12	8	2
04 May 2019	4	2	6	5	7	12	8	2
05 May 2019	4	2	6	5	7	12	8	2
06 May 2019	4	2	6	5	7	12	8	2
07 May 2019	4	2	6	5	7	12	8	2
08 May 2019	3	2	6	4	7	8	7	2
09 May 2019	3	2	6	4	7	8	7	2
10 May 2019	2	2	7	4	6	8	5	2
11 May 2019	2	2	7	4	6	8	5	2
12 May 2019	2	2	7	4	6	8	5	2
13 May 2019	2	2	7	4	6	8	5	2
14 May 2019	2	2	7	4	6	8	5	2
15 May 2019	2	2	5	4	6	7	4	2
16 May 2019	2	2	5	4	6	7	4	2
17 May 2019	2	2	5	4	6	7	4	2
18 May 2019	2	2	7	4	8	10	5	2
19 May 2019	2	2	7	4	8	10	5	2
20 May 2019	2	2	7	4	8	10	5	2
21 May 2019	2	2	7	4	8	10	5	2
22 May 2019	2	2	8	7	10	7	6	3
23 May 2019	2	2	8	7	10	7	6	3
24 May 2019	2	2	12	9	13	6	8	3
25 May 2019	2	2	12	9	13	6	8	3
26 May 2019	2	2	12	9	13	6	8	3
27 May 2019	2	2	12	9	13	6	8	3
28 May 2019	2	2	12	9	13	6	8	3
29 May 2019	2	2	13	9	8	5	7	3
30 May 2019	2	2	9	7	6	3	5	3
31 May 2019	2	2	9	7	6	3	5	3

\* Geometric mean calculated using n<5

ns = not sampled

**Table 2.3**

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for *Enterococcus* at the PLOO 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 >35 CFU/100 mL exceed the standard.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 May 2019	4	2	3	10	3	6	11	2
02 May 2019	4	2	3	10	3	6	11	2
03 May 2019	3	3	3	9	4	8	17	2
04 May 2019	3	3	3	9	4	8	17	2
05 May 2019	3	3	3	9	4	8	17	2
06 May 2019	3	3	3	9	4	8	17	2
07 May 2019	3	3	3	9	4	8	17	2
08 May 2019	3	2	4	10	4	10	13	3
09 May 2019	3	2	4	10	4	10	13	3
10 May 2019	3	2	4	9	2	7	10	3
11 May 2019	3	2	4	9	2	7	10	3
12 May 2019	3	2	4	9	2	7	10	3
13 May 2019	3	2	4	9	2	7	10	3
14 May 2019	3	2	4	9	2	7	10	3
15 May 2019	2	2	4	7	2	6	7	3
16 May 2019	2	2	4	7	2	6	7	3
17 May 2019	2	2	4	7	2	6	7	3
18 May 2019	2	2	4	9	3	7	10	3
19 May 2019	2	2	4	9	3	7	10	3
20 May 2019	2	2	4	9	3	7	10	3
21 May 2019	2	2	4	9	3	7	10	3
22 May 2019	2	2	4	7	3	6	12	3
23 May 2019	2	2	4	7	3	6	12	3
24 May 2019	2	2	4	9	3	5	11	3
25 May 2019	2	2	4	9	3	5	11	3
26 May 2019	2	2	4	9	3	5	11	3
27 May 2019	2	2	4	9	3	5	11	3
28 May 2019	2	2	4	9	3	5	11	3
29 May 2019	2	2	4	7	3	4	8	3
30 May 2019	2	2	3	4	3	4	4	3
31 May 2019	2	2	3	4	3	4	4	3

\* Geometric mean calculated using n<5

ns = not sampled

**Table 2.4**

Summary of compliance at the PLOO shore stations with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria, which states that total coliform density shall not exceed 10,000 CFU/100 mL.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
08 May 2019	IC	IC	IC	IC	IC	IC	IC	IC
15 May 2019	IC	IC	IC	IC	ns	IC	IC	IC
22 May 2019	IC	IC	IC	IC	IC	IC	IC	IC
29 May 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.5**

Summary of compliance at the PLOO 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	D4	D5	D7	D8-B	D9	D10	D11	D12
08 May 2019	IC	IC	IC	IC	IC	IC	IC	IC
15 May 2019	IC	IC	IC	IC	ns	IC	IC	IC
22 May 2019	IC	IC	IC	IC	IC	IC	IC	IC
29 May 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.6**

Summary of compliance at the PLOO shore stations with the Ocean Plan's Single Sample Maximum standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 104 CFU/100 mL.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
08 May 2019	IC	IC	IC	IC	IC	IC	IC	IC
15 May 2019	IC	IC	IC	IC	ns	IC	IC	IC
22 May 2019	IC	IC	IC	IC	IC	IC	IC	IC
29 May 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.7**

Summary of compliance at the PLOO shore stations with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria and the fecal/total coliform ratio (F:T), which states that total coliform density shall not exceed 1,000 CFU/100 mL when F:T > 0.1.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
08 May 2019	IC	IC	IC	IC	IC	IC	IC	IC
15 May 2019	IC	IC	IC	IC	ns	IC	IC	IC
22 May 2019	IC	IC	IC	IC	IC	IC	IC	IC
29 May 2019	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.8**

Summary of water quality parameters at the PLOO shore stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal), and *Enterococcus* (Enter) are reported as CFU/100 mL. The fecal:total coliform ratio (F:T) is unitless. Comments follow the data summary.

<b>Station</b>	<b>Date</b>	<b>Time</b>	<b>Total</b>	<b>Fecal</b>	<b>Enter</b>	<b>F:T</b>
D4	08 May 2019	803	2e	<2	<2	1.00
D4	15 May 2019	902	<2	<2	2e	1.00
D4	22 May 2019	955	<200	2e	<2	0.01
D4	29 May 2019	801	12e	2e	<2	0.17
D5	08 May 2019	752	<2	<2	<2	1.00
D5	15 May 2019	844	<2	2e	2e	1.00
D5	22 May 2019	933	20e	<2	<2	0.10
D5	29 May 2019	731	<20	<2	<2	0.10
D7	08 May 2019	838	20e	8e	14e	0.40
D7	15 May 2019	937	<2	<2	<2	1.00
D7	22 May 2019	1022	<20	<20	<2	1.00
D7	29 May 2019	822	40e	<20	<2	0.50
D8-B	08 May 2019	852	20e	<2	<20	0.10
D8-B	15 May 2019	946	<2	<2	2e	1.00
D8-B	22 May 2019	1034	200e	100e	<2	0.50
D8-B	29 May 2019	838	200e	6e	2e	0.03
D9	08 May 2019	903	<20	6e	4e	0.30
D9	15 May 2019		ns	ns	ns	ns
D9	22 May 2019	1049	<20	<20	4e	1.00
D9	29 May 2019	852	<20	<2	<2	0.10
D10	08 May 2019	930	24e	2e	<20	0.08
D10	15 May 2019	1013	6e	6e	<2	1.00
D10	22 May 2019	1109	200e	2e	<2	0.01
D10	29 May 2019	918	<200	<2	<2	0.01
D11	08 May 2019	948	60e	6e	4e	0.10
D11	15 May 2019	1025	8e	2e	<2	0.25
D11	22 May 2019	1120	<200	10e	<20	0.05
D11	29 May 2019	935	20e	4e	2e	0.20
D12	08 May 2019	1013	<2	2e	8e	1.00
D12	15 May 2019	1047	<2	<2	<2	1.00
D12	22 May 2019	1152	<20	6e	<2	0.30
D12	29 May 2019	958	<200	4e	2e	0.02

ns = not sampled

ND = no data

**Table 2.9**

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

Station	Date	Parameter	Value
D4	08 May 2019	Arrive Time	803
D4	08 May 2019	Weather	Drizzle
D4	08 May 2019	Wind Speed (kts)	2.3
D4	08 May 2019	Wind Dir	N
D4	08 May 2019	Animal Life	1 Seagull; 4 Crane
D4	08 May 2019	Floatables	None
D4	08 May 2019	Water Color	Green
D4	08 May 2019	Current Direction	N
D4	08 May 2019	Water Temp (C)	17.4
D4	08 May 2019	Wave Height Low (ft)	1
D4	08 May 2019	High Tide (ft)	3.2
D4	08 May 2019	High Tide Time	1305
D4	08 May 2019	Low Tide (ft)	-0.5
D4	08 May 2019	Low Tide Time	633
D4	08 May 2019	Comments	Kelp; Seagrass; Algae; 2 Boats; Water clear
D4	15 May 2019	Arrive Time	902
D4	15 May 2019	Weather	Cloudy
D4	15 May 2019	Wind Speed (kts)	1.1
D4	15 May 2019	Wind Dir	W
D4	15 May 2019	Animal Life	None
D4	15 May 2019	Floatables	None
D4	15 May 2019	Water Color	Green
D4	15 May 2019	Current Direction	N
D4	15 May 2019	Water Temp (C)	18.6
D4	15 May 2019	Wave Height Low (ft)	3
D4	15 May 2019	High Tide (ft)	4.5
D4	15 May 2019	High Tide Time	717
D4	15 May 2019	Low Tide (ft)	0.1
D4	15 May 2019	Low Tide Time	1327
D4	15 May 2019	Comments	Kelp; Seagrass; Algae; Water clear
D4	22 May 2019	Arrive Time	955
D4	22 May 2019	Weather	Partly Cloudy
D4	22 May 2019	Wind Speed (kts)	14.3
D4	22 May 2019	Wind Dir	S
D4	22 May 2019	Animal Life	10 Cormorants; 12 Pelicans
D4	22 May 2019	Floatables	None
D4	22 May 2019	Water Color	Green
D4	22 May 2019	Current Direction	S
D4	22 May 2019	Water Temp (C)	17.3
D4	22 May 2019	Wave Height Low (ft)	3
D4	22 May 2019	High Tide (ft)	3.3
D4	22 May 2019	High Tide Time	1319
D4	22 May 2019	Low Tide (ft)	-0.4
D4	22 May 2019	Low Tide Time	641
D4	22 May 2019	Comments	Kelp; Seagrass; Algae; Water clear
D4	29 May 2019	Arrive Time	801
D4	29 May 2019	Weather	Overcast
D4	29 May 2019	Wind Speed (kts)	1.1
D4	29 May 2019	Wind Dir	N
D4	29 May 2019	Animal Life	1 Seagull
D4	29 May 2019	Floatables	None
D4	29 May 2019	Water Color	Green
D4	29 May 2019	Current Direction	N

Station	Date	Parameter	Value
D4	29 May 2019	Water Temp (C)	17.3
D4	29 May 2019	Wave Height Low (ft)	2
D4	29 May 2019	High Tide (ft)	3.6
D4	29 May 2019	High Tide Time	635
D4	29 May 2019	Low Tide (ft)	0.9
D4	29 May 2019	Low Tide Time	1237
D4	29 May 2019	Comments	Kelp; Seagrass; Algae; 2 Surfers; 4 Boats; Water clear
D5	08 May 2019	Arrive Time	752
D5	08 May 2019	Weather	Overcast
D5	08 May 2019	Wind Speed (kts)	1.5
D5	08 May 2019	Wind Dir	E
D5	08 May 2019	Animal Life	3 Pelicans
D5	08 May 2019	Floatables	Foam
D5	08 May 2019	Water Color	Green
D5	08 May 2019	Current Direction	E
D5	08 May 2019	Water Temp (C)	19.2
D5	08 May 2019	Wave Height Low (ft)	1
D5	08 May 2019	High Tide (ft)	3.2
D5	08 May 2019	High Tide Time	1305
D5	08 May 2019	Low Tide (ft)	-0.5
D5	08 May 2019	Low Tide Time	633
D5	08 May 2019	Comments	Kelp; Seagrass; Algae; Water clear
D5	15 May 2019	Arrive Time	844
D5	15 May 2019	Weather	Cloudy
D5	15 May 2019	Wind Speed (kts)	1.2
D5	15 May 2019	Wind Dir	W
D5	15 May 2019	Animal Life	None
D5	15 May 2019	Floatables	None
D5	15 May 2019	Water Color	Green
D5	15 May 2019	Current Direction	N
D5	15 May 2019	Water Temp (C)	18.8
D5	15 May 2019	Wave Height Low (ft)	3
D5	15 May 2019	High Tide (ft)	4.5
D5	15 May 2019	High Tide Time	717
D5	15 May 2019	Low Tide (ft)	0.1
D5	15 May 2019	Low Tide Time	1327
D5	15 May 2019	Comments	Kelp; Seagrass; Algae; Water clear
D5	22 May 2019	Arrive Time	933
D5	22 May 2019	Weather	Partly Cloudy
D5	22 May 2019	Wind Speed (kts)	3.1
D5	22 May 2019	Wind Dir	S
D5	22 May 2019	Animal Life	1 Seagull
D5	22 May 2019	Floatables	Foam
D5	22 May 2019	Water Color	Green
D5	22 May 2019	Current Direction	S
D5	22 May 2019	Water Temp (C)	17.1
D5	22 May 2019	Wave Height Low (ft)	3
D5	22 May 2019	High Tide (ft)	3.3
D5	22 May 2019	High Tide Time	1319
D5	22 May 2019	Low Tide (ft)	-0.4
D5	22 May 2019	Low Tide Time	641
D5	22 May 2019	Comments	Kelp; Seagrass; Algae; Water clear
D5	29 May 2019	Arrive Time	731
D5	29 May 2019	Weather	Partly Cloudy
D5	29 May 2019	Wind Speed (kts)	1.7
D5	29 May 2019	Wind Dir	E
D5	29 May 2019	Animal Life	4 Pelicans; 2 Plovers; 2 Seagulls

Station	Date	Parameter	Value
D5	29 May 2019	Floatables	Foam; Film
D5	29 May 2019	Water Color	Green
D5	29 May 2019	Current Direction	E
D5	29 May 2019	Water Temp (C)	18.1
D5	29 May 2019	Wave Height Low (ft)	2
D5	29 May 2019	High Tide (ft)	3.6
D5	29 May 2019	High Tide Time	635
D5	29 May 2019	Low Tide (ft)	0.9
D5	29 May 2019	Low Tide Time	1237
D5	29 May 2019	Comments	Kelp; Seagrass; Algae; Water clear
D7	08 May 2019	Arrive Time	838
D7	08 May 2019	Weather	Overcast
D7	08 May 2019	Wind Speed (kts)	1.1
D7	08 May 2019	Wind Dir	E
D7	08 May 2019	Animal Life	None
D7	08 May 2019	Floatables	None
D7	08 May 2019	Water Color	Green
D7	08 May 2019	Current Direction	E
D7	08 May 2019	Water Temp (C)	18.7
D7	08 May 2019	Wave Height Low (ft)	3
D7	08 May 2019	High Tide (ft)	3.2
D7	08 May 2019	High Tide Time	1305
D7	08 May 2019	Low Tide (ft)	-0.5
D7	08 May 2019	Low Tide Time	633
D7	08 May 2019	Comments	Kelp; Seagrass; Algae; 12 Surfers; Water clear
D7	15 May 2019	Arrive Time	937
D7	15 May 2019	Weather	Cloudy
D7	15 May 2019	Wind Speed (kts)	1.8
D7	15 May 2019	Wind Dir	W
D7	15 May 2019	Animal Life	None
D7	15 May 2019	Floatables	None
D7	15 May 2019	Water Color	Green
D7	15 May 2019	Current Direction	N
D7	15 May 2019	Water Temp (C)	18.8
D7	15 May 2019	Wave Height Low (ft)	3
D7	15 May 2019	High Tide (ft)	4.5
D7	15 May 2019	High Tide Time	717
D7	15 May 2019	Low Tide (ft)	0.1
D7	15 May 2019	Low Tide Time	1327
D7	15 May 2019	Comments	Kelp; Seagrass; Algae; 2 Persons; 11 Surfers; Water clear
D7	22 May 2019	Arrive Time	1022
D7	22 May 2019	Weather	Partly Cloudy
D7	22 May 2019	Wind Speed (kts)	11.3
D7	22 May 2019	Wind Dir	S
D7	22 May 2019	Animal Life	8 Seagulls
D7	22 May 2019	Floatables	Foam
D7	22 May 2019	Water Color	Green
D7	22 May 2019	Current Direction	S
D7	22 May 2019	Water Temp (C)	16.2
D7	22 May 2019	Wave Height Low (ft)	4
D7	22 May 2019	High Tide (ft)	3.3
D7	22 May 2019	High Tide Time	1319
D7	22 May 2019	Low Tide (ft)	-0.4
D7	22 May 2019	Low Tide Time	641
D7	22 May 2019	Comments	Kelp; Seagrass; Algae; 2 Persons; Water clear
D7	29 May 2019	Arrive Time	822
D7	29 May 2019	Weather	Overcast

Station	Date	Parameter	Value
D7	29 May 2019	Wind Speed (kts)	2.1
D7	29 May 2019	Wind Dir	NE
D7	29 May 2019	Animal Life	1 Pelican; 6 Seagulls
D7	29 May 2019	Floatables	None
D7	29 May 2019	Water Color	Green
D7	29 May 2019	Current Direction	NE
D7	29 May 2019	Water Temp (C)	18
D7	29 May 2019	Wave Height Low (ft)	3
D7	29 May 2019	High Tide (ft)	3.6
D7	29 May 2019	High Tide Time	635
D7	29 May 2019	Low Tide (ft)	0.9
D7	29 May 2019	Low Tide Time	1237
D7	29 May 2019	Comments	Kelp; Seagrass; Algae; 2 Surfers; Water clear
D8-B	08 May 2019	Arrive Time	852
D8-B	08 May 2019	Weather	Overcast
D8-B	08 May 2019	Wind Speed (kts)	4.6
D8-B	08 May 2019	Wind Dir	NE
D8-B	08 May 2019	Animal Life	1 Seagull
D8-B	08 May 2019	Floatables	None
D8-B	08 May 2019	Water Color	Green
D8-B	08 May 2019	Current Direction	NE
D8-B	08 May 2019	Water Temp (C)	18.9
D8-B	08 May 2019	Wave Height Low (ft)	2
D8-B	08 May 2019	High Tide (ft)	3.2
D8-B	08 May 2019	High Tide Time	1305
D8-B	08 May 2019	Low Tide (ft)	-0.5
D8-B	08 May 2019	Low Tide Time	633
D8-B	08 May 2019	Comments	Kelp; Seagrass; Algae; 3 Persons; Water clear
D8-B	15 May 2019	Arrive Time	946
D8-B	15 May 2019	Weather	Cloudy
D8-B	15 May 2019	Wind Speed (kts)	2.3
D8-B	15 May 2019	Wind Dir	W
D8-B	15 May 2019	Animal Life	None
D8-B	15 May 2019	Floatables	None
D8-B	15 May 2019	Water Color	Green
D8-B	15 May 2019	Current Direction	N
D8-B	15 May 2019	Water Temp (C)	18.8
D8-B	15 May 2019	Wave Height Low (ft)	3
D8-B	15 May 2019	High Tide (ft)	4.5
D8-B	15 May 2019	High Tide Time	717
D8-B	15 May 2019	Low Tide (ft)	0.1
D8-B	15 May 2019	Low Tide Time	1327
D8-B	15 May 2019	Comments	Kelp; Seagrass; Water clear
D8-B	22 May 2019	Arrive Time	1034
D8-B	22 May 2019	Weather	Partly Cloudy
D8-B	22 May 2019	Wind Speed (kts)	14.5
D8-B	22 May 2019	Wind Dir	W
D8-B	22 May 2019	Animal Life	None
D8-B	22 May 2019	Floatables	Foam
D8-B	22 May 2019	Water Color	Green
D8-B	22 May 2019	Current Direction	W
D8-B	22 May 2019	Water Temp (C)	17.2
D8-B	22 May 2019	Wave Height Low (ft)	5
D8-B	22 May 2019	High Tide (ft)	3.3
D8-B	22 May 2019	High Tide Time	1319
D8-B	22 May 2019	Low Tide (ft)	-0.4
D8-B	22 May 2019	Low Tide Time	641
D8-B	22 May 2019	Comments	Kelp; Seagrass; Algae; Debris; Water clear

Station	Date	Parameter	Value
D8-B	29 May 2019	Arrive Time	838
D8-B	29 May 2019	Weather	Partly Cloudy
D8-B	29 May 2019	Wind Speed (kts)	2.7
D8-B	29 May 2019	Wind Dir	NE
D8-B	29 May 2019	Animal Life	1 Cormorant; 3 Dolphins; 3 Seagulls
D8-B	29 May 2019	Floatables	None
D8-B	29 May 2019	Water Color	Green
D8-B	29 May 2019	Current Direction	NE
D8-B	29 May 2019	Water Temp (C)	18.1
D8-B	29 May 2019	Wave Height Low (ft)	3
D8-B	29 May 2019	High Tide (ft)	3.6
D8-B	29 May 2019	High Tide Time	635
D8-B	29 May 2019	Low Tide (ft)	0.9
D8-B	29 May 2019	Low Tide Time	1237
D8-B	29 May 2019	Comments	Kelp; Seagrass; Algae; 1 Surfer; Water clear
D9	08 May 2019	Arrive Time	903
D9	08 May 2019	Weather	Overcast
D9	08 May 2019	Wind Speed (kts)	1.1
D9	08 May 2019	Wind Dir	E
D9	08 May 2019	Animal Life	None
D9	08 May 2019	Floatables	Foam; Film
D9	08 May 2019	Water Color	Green
D9	08 May 2019	Current Direction	E
D9	08 May 2019	Water Temp (C)	18.6
D9	08 May 2019	Wave Height Low (ft)	2
D9	08 May 2019	High Tide (ft)	3.2
D9	08 May 2019	High Tide Time	1305
D9	08 May 2019	Low Tide (ft)	-0.5
D9	08 May 2019	Low Tide Time	633
D9	08 May 2019	Comments	Kelp; Seagrass; Algae; 5 Persons; Water clear
D9	22 May 2019	Arrive Time	1049
D9	22 May 2019	Weather	Cloudy
D9	22 May 2019	Wind Speed (kts)	13.4
D9	22 May 2019	Wind Dir	NE
D9	22 May 2019	Animal Life	None
D9	22 May 2019	Floatables	Foam
D9	22 May 2019	Water Color	Brown
D9	22 May 2019	Current Direction	NE
D9	22 May 2019	Water Temp (C)	17
D9	22 May 2019	Wave Height Low (ft)	5
D9	22 May 2019	High Tide (ft)	3.3
D9	22 May 2019	High Tide Time	1319
D9	22 May 2019	Low Tide (ft)	-0.4
D9	22 May 2019	Low Tide Time	641
D9	22 May 2019	Comments	Kelp; Seagrass; Algae; 1 Person; Water clear
D9	29 May 2019	Arrive Time	852
D9	29 May 2019	Weather	Partly Cloudy
D9	29 May 2019	Wind Speed (kts)	2.7
D9	29 May 2019	Wind Dir	NE
D9	29 May 2019	Animal Life	1 Seagull
D9	29 May 2019	Floatables	None
D9	29 May 2019	Water Color	Green
D9	29 May 2019	Current Direction	NE
D9	29 May 2019	Water Temp (C)	18.5
D9	29 May 2019	Wave Height Low (ft)	3
D9	29 May 2019	High Tide (ft)	3.6
D9	29 May 2019	High Tide Time	635

Station	Date	Parameter	Value
D9	29 May 2019	Low Tide (ft)	0.9
D9	29 May 2019	Low Tide Time	1237
D9	29 May 2019	Comments	Kelp; Seagrass; Algae; Water clear; Human fecal matter on staircase near water
D10	08 May 2019	Arrive Time	930
D10	08 May 2019	Weather	Drizzle
D10	08 May 2019	Wind Speed (kts)	3.6
D10	08 May 2019	Wind Dir	N
D10	08 May 2019	Animal Life	1 Seagull
D10	08 May 2019	Floatables	Foam; Film
D10	08 May 2019	Water Color	Green
D10	08 May 2019	Current Direction	N
D10	08 May 2019	Water Temp (C)	18.1
D10	08 May 2019	Wave Height Low (ft)	3
D10	08 May 2019	High Tide (ft)	3.2
D10	08 May 2019	High Tide Time	1305
D10	08 May 2019	Low Tide (ft)	-0.5
D10	08 May 2019	Low Tide Time	633
D10	08 May 2019	Comments	Kelp; Seagrass; 10 Persons; 9 Surfers; 2 Swimmers; 1 Tractor
D10	15 May 2019	Arrive Time	1013
D10	15 May 2019	Weather	Cloudy
D10	15 May 2019	Wind Speed (kts)	0.8
D10	15 May 2019	Wind Dir	W
D10	15 May 2019	Animal Life	None
D10	15 May 2019	Floatables	None
D10	15 May 2019	Water Color	Green
D10	15 May 2019	Current Direction	N
D10	15 May 2019	Water Temp (C)	19.7
D10	15 May 2019	Wave Height Low (ft)	5
D10	15 May 2019	High Tide (ft)	4.5
D10	15 May 2019	High Tide Time	717
D10	15 May 2019	Low Tide (ft)	0.1
D10	15 May 2019	Low Tide Time	1327
D10	15 May 2019	Comments	Kelp; Seagrass; 5 Persons; 11 Surfers; Water clear
D10	22 May 2019	Arrive Time	1109
D10	22 May 2019	Weather	Cloudy
D10	22 May 2019	Wind Speed (kts)	10.4
D10	22 May 2019	Wind Dir	S
D10	22 May 2019	Animal Life	1 Cormorant; 15 Seagulls
D10	22 May 2019	Floatables	Foam
D10	22 May 2019	Water Color	Green
D10	22 May 2019	Current Direction	S
D10	22 May 2019	Water Temp (C)	18
D10	22 May 2019	Wave Height Low (ft)	6
D10	22 May 2019	High Tide (ft)	3.3
D10	22 May 2019	High Tide Time	1319
D10	22 May 2019	Low Tide (ft)	-0.4
D10	22 May 2019	Low Tide Time	641
D10	22 May 2019	Comments	Kelp; Seagrass; Debris; 1 Jogger; 6 Persons; Water clear
D10	29 May 2019	Arrive Time	918
D10	29 May 2019	Weather	Partly Cloudy
D10	29 May 2019	Wind Speed (kts)	3.3
D10	29 May 2019	Wind Dir	E
D10	29 May 2019	Animal Life	4 Seagulls
D10	29 May 2019	Floatables	Foam
D10	29 May 2019	Water Color	Green

Station	Date	Parameter	Value
D10	29 May 2019	Current Direction	E
D10	29 May 2019	Water Temp (C)	19.5
D10	29 May 2019	Wave Height Low (ft)	5
D10	29 May 2019	High Tide (ft)	3.6
D10	29 May 2019	High Tide Time	635
D10	29 May 2019	Low Tide (ft)	0.9
D10	29 May 2019	Low Tide Time	1237
D10	29 May 2019	Comments	Kelp; Seagrass; 1 Jogger; 14 Persons; 33 Surfers; Water clear
D11	08 May 2019	Arrive Time	948
D11	08 May 2019	Weather	Drizzle
D11	08 May 2019	Wind Speed (kts)	2.1
D11	08 May 2019	Wind Dir	E
D11	08 May 2019	Animal Life	None
D11	08 May 2019	Floatables	Foam; Film
D11	08 May 2019	Water Color	Green
D11	08 May 2019	Current Direction	E
D11	08 May 2019	Water Temp (C)	17.8
D11	08 May 2019	Wave Height Low (ft)	2
D11	08 May 2019	High Tide (ft)	3.2
D11	08 May 2019	High Tide Time	1305
D11	08 May 2019	Low Tide (ft)	-0.5
D11	08 May 2019	Low Tide Time	633
D11	08 May 2019	Comments	Kelp; Seagrass; 11 Persons; 21 Surfers; Water clear
D11	15 May 2019	Arrive Time	1025
D11	15 May 2019	Weather	Cloudy
D11	15 May 2019	Wind Speed (kts)	1.6
D11	15 May 2019	Wind Dir	W
D11	15 May 2019	Animal Life	None
D11	15 May 2019	Floatables	None
D11	15 May 2019	Water Color	Green
D11	15 May 2019	Current Direction	N
D11	15 May 2019	Water Temp (C)	18.9
D11	15 May 2019	Wave Height Low (ft)	3
D11	15 May 2019	High Tide (ft)	4.5
D11	15 May 2019	High Tide Time	717
D11	15 May 2019	Low Tide (ft)	0.1
D11	15 May 2019	Low Tide Time	1327
D11	15 May 2019	Comments	Kelp; Seagrass; 4 Persons; 3 Surfers; Water clear
D11	22 May 2019	Arrive Time	1120
D11	22 May 2019	Weather	Cloudy
D11	22 May 2019	Wind Speed (kts)	13.4
D11	22 May 2019	Wind Dir	E
D11	22 May 2019	Animal Life	1 Dog; 2 Seagulls
D11	22 May 2019	Floatables	Foam
D11	22 May 2019	Water Color	Green
D11	22 May 2019	Current Direction	E
D11	22 May 2019	Water Temp (C)	18.4
D11	22 May 2019	Wave Height Low (ft)	5
D11	22 May 2019	High Tide (ft)	3.3
D11	22 May 2019	High Tide Time	1319
D11	22 May 2019	Low Tide (ft)	-0.4
D11	22 May 2019	Low Tide Time	641
D11	22 May 2019	Comments	Kelp; Seagrass; Debris; 8 Persons; 1 Surfer; Water clear
D11	29 May 2019	Arrive Time	935
D11	29 May 2019	Weather	Partly Cloudy
D11	29 May 2019	Wind Speed (kts)	5.6

Station	Date	Parameter	Value
D11	29 May 2019	Wind Dir	E
D11	29 May 2019	Animal Life	3 Seagulls
D11	29 May 2019	Floatables	None
D11	29 May 2019	Water Color	Brown
D11	29 May 2019	Current Direction	E
D11	29 May 2019	Water Temp (C)	19.3
D11	29 May 2019	Wave Height Low (ft)	5
D11	29 May 2019	High Tide (ft)	3.6
D11	29 May 2019	High Tide Time	635
D11	29 May 2019	Low Tide (ft)	0.9
D11	29 May 2019	Low Tide Time	1237
D11	29 May 2019	Comments	Kelp; Seagrass; 17 Persons; 14 Surfers; Water clear
D12	08 May 2019	Arrive Time	1013
D12	08 May 2019	Weather	Drizzle
D12	08 May 2019	Wind Speed (kts)	3.6
D12	08 May 2019	Wind Dir	E
D12	08 May 2019	Animal Life	2 Pelicans; 1 Seagull
D12	08 May 2019	Floatables	None
D12	08 May 2019	Water Color	Green
D12	08 May 2019	Current Direction	E
D12	08 May 2019	Water Temp (C)	19.6
D12	08 May 2019	Wave Height Low (ft)	2
D12	08 May 2019	High Tide (ft)	3.2
D12	08 May 2019	High Tide Time	1305
D12	08 May 2019	Low Tide (ft)	-0.5
D12	08 May 2019	Low Tide Time	633
D12	08 May 2019	Comments	Kelp; Seagrass; 15 Persons; 7 Surfers; Water clear
D12	15 May 2019	Arrive Time	1047
D12	15 May 2019	Weather	Cloudy
D12	15 May 2019	Wind Speed (kts)	1.3
D12	15 May 2019	Wind Dir	W
D12	15 May 2019	Animal Life	None
D12	15 May 2019	Floatables	None
D12	15 May 2019	Water Color	Green
D12	15 May 2019	Current Direction	N
D12	15 May 2019	Water Temp (C)	19.2
D12	15 May 2019	Wave Height Low (ft)	3
D12	15 May 2019	High Tide (ft)	4.5
D12	15 May 2019	High Tide Time	717
D12	15 May 2019	Low Tide (ft)	0.1
D12	15 May 2019	Low Tide Time	1327
D12	15 May 2019	Comments	Kelp; Seagrass; 6 Persons; Water clear
D12	22 May 2019	Arrive Time	1152
D12	22 May 2019	Weather	Cloudy
D12	22 May 2019	Wind Speed (kts)	10.6
D12	22 May 2019	Wind Dir	E
D12	22 May 2019	Animal Life	10 Seagulls
D12	22 May 2019	Floatables	Foam
D12	22 May 2019	Water Color	Green
D12	22 May 2019	Current Direction	E
D12	22 May 2019	Water Temp (C)	19.1
D12	22 May 2019	Wave Height Low (ft)	4
D12	22 May 2019	High Tide (ft)	3.3
D12	22 May 2019	High Tide Time	1319
D12	22 May 2019	Low Tide (ft)	-0.4
D12	22 May 2019	Low Tide Time	641
D12	22 May 2019	Comments	Kelp; Seagrass; 13 Persons; 1 Swimmer; Water clear

Station	Date	Parameter	Value
D12	29 May 2019	Arrive Time	958
D12	29 May 2019	Weather	Sunny
D12	29 May 2019	Wind Speed (kts)	5.2
D12	29 May 2019	Wind Dir	E
D12	29 May 2019	Animal Life	23 Seagulls
D12	29 May 2019	Floatables	None
D12	29 May 2019	Water Color	Green
D12	29 May 2019	Current Direction	E
D12	29 May 2019	Water Temp (C)	19.8
D12	29 May 2019	Wave Height Low (ft)	3
D12	29 May 2019	High Tide (ft)	3.6
D12	29 May 2019	High Tide Time	635
D12	29 May 2019	Low Tide (ft)	0.9
D12	29 May 2019	Low Tide Time	1237
D12	29 May 2019	Comments	Kelp; Seagrass; 60 Persons; 3 Surfers; Water clear



# Kelp Stations



**Table 3.1**

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for total coliform bacteria at the PLOO 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 >1,000 CFU/100 mL exceed the standard.

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 May 2019	5	8	11	2	2	2	3	3
02 May 2019	5	8	11	2	2	2	3	3
03 May 2019	6*	9*	11*	2*	2*	2*	4*	3*
04 May 2019	6*	9*	11*	2*	2*	2*	4*	3*
05 May 2019	6*	9*	11*	2*	2*	2*	4*	3*
06 May 2019	5	8	8	2	2	2	4	3
07 May 2019	5	8	8	2	2	2	4	3
08 May 2019	4*	7*	6*	2*	2*	2*	5*	3*
09 May 2019	4*	7*	6*	2*	2*	2*	5*	3*
10 May 2019	4*	7*	6*	2*	2*	2*	5*	3*
11 May 2019	4*	7*	6*	2*	2*	2*	5*	3*
12 May 2019	4*	7*	6*	2*	2*	2*	5*	3*
13 May 2019	3	6	5	2	3	3	5	3
14 May 2019	3	6	5	2	3	3	5	3
15 May 2019	4*	3*	3*	2*	3*	4*	3*	2*
16 May 2019	4*	3*	3*	2*	3*	4*	3*	2*
17 May 2019	4*	3*	3*	2*	3*	4*	3*	2*
18 May 2019	4*	3*	3*	2*	3*	4*	3*	2*
19 May 2019	4*	3*	3*	2*	3*	4*	3*	2*
20 May 2019	4*	3*	3*	2*	3*	4*	3*	2*
21 May 2019	4*	3*	3*	2*	3*	4*	3*	2*
22 May 2019	2*	3*	2*	2*	3*	4*	3*	2*
23 May 2019	4*	8*	3*	4*	4*	5*	7*	6*
24 May 2019	4*	8*	3*	4*	4*	5*	7*	6*
25 May 2019	4*	8*	3*	4*	4*	5*	7*	6*
26 May 2019	4*	8*	3*	4*	4*	5*	7*	6*
27 May 2019	4*	8*	3*	4*	4*	5*	7*	6*
28 May 2019	4*	8*	3*	4*	4*	5*	7*	6*
29 May 2019	4*	11*	8*	6*	12*	8*	12*	8*
30 May 2019	4*	11*	8*	6*	12*	8*	12*	8*
31 May 2019	4*	11*	8*	6*	12*	8*	12*	8*

\* Geometric mean calculated using n<5

**Table 3.2**

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for fecal coliform bacteria at the PLOO 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	A1	A6	A7	C4	C5	C6	C7	C8
01 May 2019	3	3	3	2	2	2	2	2
02 May 2019	3	3	3	2	2	2	2	2
03 May 2019	3*	4*	3*	2*	2*	2*	2*	2*
04 May 2019	3*	4*	3*	2*	2*	2*	2*	2*
05 May 2019	3*	4*	3*	2*	2*	2*	2*	2*
06 May 2019	3	4	3	2	2	2	2	2
07 May 2019	3	4	3	2	2	2	2	2
08 May 2019	3*	3*	3*	2*	2*	2*	3*	2*
09 May 2019	3*	3*	3*	2*	2*	2*	3*	2*
10 May 2019	3*	3*	3*	2*	2*	2*	3*	2*
11 May 2019	3*	3*	3*	2*	2*	2*	3*	2*
12 May 2019	3*	3*	3*	2*	2*	2*	3*	2*
13 May 2019	3	3	3	2	2	2	2	2
14 May 2019	3	3	3	2	2	2	2	2
15 May 2019	3*	2*	2*	2*	2*	2*	2*	2*
16 May 2019	3*	2*	2*	2*	2*	2*	2*	2*
17 May 2019	3*	2*	2*	2*	2*	2*	2*	2*
18 May 2019	3*	2*	2*	2*	2*	2*	2*	2*
19 May 2019	3*	2*	2*	2*	2*	2*	2*	2*
20 May 2019	3*	2*	2*	2*	2*	2*	2*	2*
21 May 2019	3*	2*	2*	2*	2*	2*	2*	2*
22 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
23 May 2019	2*	4*	2*	3*	2*	2*	3*	4*
24 May 2019	2*	4*	2*	3*	2*	2*	3*	4*
25 May 2019	2*	4*	2*	3*	2*	2*	3*	4*
26 May 2019	2*	4*	2*	3*	2*	2*	3*	4*
27 May 2019	2*	4*	2*	3*	2*	2*	3*	4*
28 May 2019	2*	4*	2*	3*	2*	2*	3*	4*
29 May 2019	2*	4*	2*	3*	2*	2*	4*	4*
30 May 2019	2*	4*	2*	3*	2*	2*	4*	4*
31 May 2019	2*	4*	2*	3*	2*	2*	4*	4*

\* Geometric mean calculated using n<5

**Table 3.3**

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for *Enterococcus* at the PLOO 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 >35 CFU/100 mL exceed the standard.

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 May 2019	2	2	2	2	2	2	2	2
02 May 2019	2	2	2	2	2	2	2	2
03 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
04 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
05 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
06 May 2019	2	2	2	2	2	2	2	2
07 May 2019	2	2	2	2	2	2	2	2
08 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
09 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
10 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
11 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
12 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
13 May 2019	2	2	2	2	2	2	2	2
14 May 2019	2	2	2	2	2	2	2	2
15 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
16 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
17 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
18 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
19 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
20 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
21 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
22 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
23 May 2019	2*	4*	2*	2*	2*	2*	2*	2*
24 May 2019	2*	4*	2*	2*	2*	2*	2*	2*
25 May 2019	2*	4*	2*	2*	2*	2*	2*	2*
26 May 2019	2*	4*	2*	2*	2*	2*	2*	2*
27 May 2019	2*	4*	2*	2*	2*	2*	2*	2*
28 May 2019	2*	4*	2*	2*	2*	2*	2*	2*
29 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
30 May 2019	2*	3*	2*	2*	2*	2*	2*	2*
31 May 2019	2*	3*	2*	2*	2*	2*	2*	2*

\* Geometric mean calculated using n<5

**Table 3.4**

Summary of compliance at the PLOO kelp stations with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria, which states that total coliform density shall not exceed 10,000 CFU/100 mL.

Date	A1	A6	A7	C4	C5	C6	C7	C8
06 May 2019	IC							
13 May 2019	IC							
23 May 2019	IC							
29 May 2019	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 3.5**

Summary of compliance at the PLOO 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	A1	A6	A7	C4	C5	C6	C7	C8
06 May 2019	IC							
13 May 2019	IC							
23 May 2019	IC							
29 May 2019	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 3.6**

Summary of compliance at the PLOO kelp stations with the Ocean Plan's Single Sample Maximum standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 104 CFU/100 mL.

Date	A1	A6	A7	C4	C5	C6	C7	C8
06 May 2019	IC							
13 May 2019	IC							
23 May 2019	IC							
29 May 2019	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 3.7**

Summary of compliance at the PLOO kelp stations with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria and the fecal/total coliform ratio (F:T), which states that total coliform density shall not exceed 1,000 CFU/100 mL when F:T > 0.1.

Date	A1	A6	A7	C4	C5	C6	C7	C8
06 May 2019	IC							
13 May 2019	IC							
23 May 2019	IC							
29 May 2019	IC							

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 3.8**

Summary of water quality parameters at the PLOO kelp stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal) and *Enterococcus* (Enter) bacteria are reported as CFU/100 mL; the fecal:total coliform ratio (F:T) is unitless; 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	Enter	F:T	Temp	XMS	DO	Sal	pH
A1	06 May 2019	808	1	<2	<2	<2	1.00	15.4	78.59	7.8	33.62	8.1
A1	06 May 2019	808	12	2e	<2	<2	1.00	13.9	77.53	7.0	33.65	8.1
A1	06 May 2019	808	18	4e	<2	<2	0.50	12.3	84.18	5.9	33.65	8.0
A1	13 May 2019	819	1	<2	<2	<2	1.00	16.8	79.60	8.4	33.61	8.1
A1	13 May 2019	819	12	<2	<2	<2	1.00	13.2	79.13	7.4	33.58	8.0
A1	13 May 2019	819	18	4e	<2	<2	0.50	13.2	79.47	7.4	33.59	8.0
A1	23 May 2019	817	1	2e	4e	<2	2.00	14.3	70.40	7.2	33.62	8.1
A1	23 May 2019	817	12	2e	<2	<2	1.00	13.3	76.55	6.5	33.66	8.0
A1	23 May 2019	817	18	60e	<2	4e	0.03	11.4	77.76	5.0	33.70	7.9
A1	29 May 2019	746	1	<2	<2	<2	1.00	15.7	69.68	9.4	33.66	8.2
A1	29 May 2019	746	12	<2	<2	<2	1.00	11.9	74.86	5.3	33.64	7.8
A1	29 May 2019	746	18	2e	<2	<2	1.00	11.2	81.98	4.8	33.68	7.8
A6	06 May 2019	834	1	<2	<2	<2	1.00	17.1	81.93	8.4	33.64	8.2
A6	06 May 2019	834	12	<2	<2	<2	1.00	15.7	80.35	8.0	33.64	8.2
A6	06 May 2019	834	18	16e	8e	<2	0.50	12.2	84.95	5.7	33.70	8.0
A6	13 May 2019	848	1	<2	<2	<2	1.00	16.8	81.14	8.5	33.62	8.2
A6	13 May 2019	848	12	<2	<2	<2	1.00	15.9	80.42	8.1	33.63	8.1
A6	13 May 2019	848	18	<2	<2	<2	1.00	13.5	81.94	7.0	33.62	8.0
A6	23 May 2019	859	1	4e	<2	<2	0.50	14.5	65.80	7.4	33.65	8.1
A6	23 May 2019	859	12	40e	8e	<2	0.20	11.8	75.29	5.2	33.73	7.9
A6	23 May 2019	859	18	360e	42	18e	0.12	10.5	73.80	4.2	33.75	7.8
A6	29 May 2019	818	1	<20	<2	<2	0.10	16.1	71.13	9.7	33.66	8.2
A6	29 May 2019	818	12	4e	2e	2e	0.50	12.6	78.36	6.3	33.65	7.9
A6	29 May 2019	818	18	4e	<2	<2	0.50	11.5	80.96	5.0	33.68	7.8
A7	06 May 2019	821	1	<2	<2	<2	1.00	16.0	79.75	8.1	33.63	8.1
A7	06 May 2019	821	12	<2	<2	<2	1.00	12.5	84.37	5.9	33.64	7.9
A7	06 May 2019	821	18	2e	<2	<2	1.00	11.8	85.27	5.3	33.65	7.9
A7	13 May 2019	833	1	2e	<2	<2	1.00	17.1	77.00	8.3	33.61	8.1
A7	13 May 2019	833	12	<2	<2	<2	1.00	14.9	79.40	7.4	33.62	8.1
A7	13 May 2019	833	18	<2	<2	<2	1.00	13.3	81.46	6.6	33.62	8.0
A7	23 May 2019	830	1	16e	2e	<2	0.12	14.4	73.19	7.3	33.65	8.1
A7	23 May 2019	830	12	20e	<2	2e	0.10	13.1	77.75	6.3	33.69	8.1
A7	23 May 2019	830	18	6e	<2	<2	0.33	11.0	80.91	4.7	33.71	7.9
A7	29 May 2019	801	1	<200	<2	<2	0.01	16.2	73.39	9.4	33.66	8.2
A7	29 May 2019	801	12	<2	<2	<2	1.00	11.9	77.07	5.6	33.67	7.9
A7	29 May 2019	801	18	2e	<2	<2	1.00	11.7	81.30	5.0	33.68	7.8
C4	06 May 2019	936	1	<2	<2	<2	1.00	16.5	80.38	8.9	33.65	8.2
C4	06 May 2019	936	3	<2	<2	<2	1.00	15.5	79.62	8.1	33.67	8.2
C4	06 May 2019	936	9	2e	<2	<2	1.00	12.8	83.17	5.9	33.65	8.0

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
C4	13 May 2019	1004	1	<2	<2	<2	1.00	17.1	83.77	8.8	33.62	8.2
C4	13 May 2019	1004	3	<2	<2	<2	1.00	16.9	83.27	8.6	33.62	8.2
C4	13 May 2019	1004	9	<2	2e	<2	1.00	14.1	80.32	6.3	33.65	8.0
C4	23 May 2019	1016	1	<20	6e	2e	0.30	14.4	41.87	8.1	33.56	8.1
C4	23 May 2019	1016	3	20e	12e	<2	0.60	14.4	37.58	8.0	33.66	8.1
C4	23 May 2019	1016	9	<20	4e	2e	0.20	12.2	45.24	5.0	33.78	7.9
C4	29 May 2019	931	1	20e	<2	<2	0.10	16.4	62.91	9.4	33.68	8.2
C4	29 May 2019	931	3	<20	2e	2e	0.10	16.4	61.76	9.1	33.68	8.2
C4	29 May 2019	931	9	<20	<2	<2	0.10	13.4	74.18	5.8	33.66	7.9
C5	06 May 2019	926	1	4e	<2	<2	0.50	16.8	78.80	8.6	33.64	8.2
C5	06 May 2019	926	3	<2	<2	<2	1.00	16.1	80.10	8.2	33.64	8.2
C5	06 May 2019	926	9	<2	<2	<2	1.00	13.6	84.24	6.8	33.62	8.0
C5	13 May 2019	954	1	<20	2e	<2	0.10	17.5	67.68	8.0	33.62	8.1
C5	13 May 2019	954	3	2e	2e	<2	1.00	17.2	68.20	8.0	33.63	8.2
C5	13 May 2019	954	9	<2	<2	<2	1.00	14.2	74.59	6.6	33.61	8.0
C5	23 May 2019	1002	1	<2	<2	<2	1.00	14.4	68.05	7.6	33.65	8.1
C5	23 May 2019	1002	3	<2	<2	<2	1.00	14.4	68.17	7.6	33.65	8.1
C5	23 May 2019	1002	9	<20	6e	<2	0.30	12.2	47.24	5.2	33.74	8.0
C5	29 May 2019	919	1	<200	<2	2e	0.01	16.8	69.90	9.2	33.68	8.3
C5	29 May 2019	919	3	<20	<2	<2	0.10	16.4	70.49	8.7	33.71	8.2
C5	29 May 2019	919	9	<200	<2	<2	0.01	13.5	77.00	6.5	33.66	8.0
C6	06 May 2019	914	1	<2	<2	<2	1.00	17.5	80.06	8.9	33.64	8.3
C6	06 May 2019	914	3	<2	<2	<2	1.00	15.9	81.25	8.3	33.73	8.2
C6	06 May 2019	914	9	<2	<2	<2	1.00	13.2	82.91	6.7	33.63	8.0
C6	13 May 2019	942	1	<20	<2	<2	0.10	17.7	74.51	8.2	33.62	8.2
C6	13 May 2019	942	3	<20	<2	<2	0.10	17.5	74.63	8.1	33.63	8.2
C6	13 May 2019	942	9	<20	<2	<2	0.10	13.9	75.50	6.8	33.62	8.0
C6	23 May 2019	952	1	6e	2e	<2	0.33	14.2	70.07	7.7	33.65	8.1
C6	23 May 2019	952	3	<2	<2	<2	1.00	14.2	70.38	7.5	33.66	8.1
C6	23 May 2019	952	9	18e	<2	2e	0.11	11.4	69.94	4.7	33.71	7.9
C6	29 May 2019	908	1	<20	<2	<2	0.10	16.5	72.43	9.7	33.67	8.3
C6	29 May 2019	908	3	<20	<2	<2	0.10	16.3	71.95	9.5	33.69	8.3
C6	29 May 2019	908	9	<2	<2	<2	1.00	12.7	79.65	6.1	33.65	7.9
C7	06 May 2019	847	1	<2	<2	<2	1.00	17.0	81.40	8.6	33.63	8.2
C7	06 May 2019	847	12	<2	<2	<2	1.00	13.3	80.65	6.7	33.63	8.0
C7	06 May 2019	847	18	16e	4e	<2	0.25	11.6	84.85	5.2	33.66	7.9
C7	13 May 2019	904	1	4e	<2	<2	0.50	17.4	82.38	8.5	33.63	8.2
C7	13 May 2019	904	12	2e	2e	<2	1.00	16.0	76.98	8.2	33.63	8.2
C7	13 May 2019	904	18	<2	<2	<2	1.00	12.6	78.97	5.7	33.65	7.9
C7	23 May 2019	914	1	2e	<2	<2	1.00	15.1	66.30	7.7	33.61	8.2
C7	23 May 2019	914	12	92	18e	2e	0.20	10.9	76.90	4.5	33.71	7.9
C7	23 May 2019	914	18	100e	20e	2e	0.20	10.7	63.01	4.2	33.73	7.8
C7	29 May 2019	834	1	<2	<2	<2	1.00	16.3	66.50	10.3	33.66	8.3
C7	29 May 2019	834	12	2e	<2	<2	1.00	12.0	80.45	5.8	33.74	7.9
C7	29 May 2019	834	18	44	4e	<2	0.09	11.1	83.24	4.6	33.71	7.8
C8	06 May 2019	858	1	<2	<2	<2	1.00	16.5	79.74	8.2	33.64	8.2

Station	Date	Time	Depth	Total	Fecal	Enteric	F:T	Temp	XMS	DO	Sal	pH
C8	06 May 2019	858	12	2e	<2	<2	1.00	13.4	77.70	7.0	33.62	8.1
C8	06 May 2019	858	18	<2	<2	<2	1.00	11.6	84.45	5.1	33.66	7.9
C8	13 May 2019	918	1	<2	<2	<2	1.00	17.8	82.72	8.4	33.63	8.2
C8	13 May 2019	918	12	<2	<2	<2	1.00	14.3	80.08	6.9	33.65	8.1
C8	13 May 2019	918	18	2e	<2	<2	1.00	12.2	82.54	5.7	33.64	7.9
C8	23 May 2019	926	1	76	24e	4e	0.32	15.3	54.93	7.7	33.44	8.1
C8	23 May 2019	926	12	84	8e	2e	0.10	10.8	80.20	4.5	33.70	7.9
C8	23 May 2019	926	18	280e	48	8e	0.17	10.6	38.80	4.2	33.75	7.8
C8	29 May 2019	847	1	<2	<2	<2	1.00	16.1	66.21	9.8	33.66	8.2
C8	29 May 2019	847	12	<2	<2	<2	1.00	12.9	70.89	6.9	33.66	8.0
C8	29 May 2019	847	18	<20	<2	<2	0.10	11.7	79.49	5.2	33.68	7.9

ns = not sampled

ND = no data

**Table 3.9**

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

Station	Date	Parameter	Value
A1	06 May 2019	Depth (m)	18
A1	06 May 2019	Arrive Time	808
A1	06 May 2019	Depart Time	816
A1	06 May 2019	Air Temp (C)	15
A1	06 May 2019	Weather	Partly Cloudy
A1	06 May 2019	Visibility (mi)	5
A1	06 May 2019	Wind Speed (kts)	5
A1	06 May 2019	Wind Dir	E
A1	06 May 2019	Water Color	Brownish-Green
A1	06 May 2019	Wave Ht Low (ft)	3
A1	06 May 2019	Wave Period (sec)	13
A1	06 May 2019	Sea State	Light chop
A1	06 May 2019	High Tide (ft)	6.33
A1	06 May 2019	High Tide Time	2106
A1	06 May 2019	Low Tide (ft)	-0.71
A1	06 May 2019	Low Tide Time	405
A1	06 May 2019	Comments	none
A1	13 May 2019	Depth (m)	19
A1	13 May 2019	Arrive Time	819
A1	13 May 2019	Depart Time	826
A1	13 May 2019	Air Temp (C)	17
A1	13 May 2019	Weather	Overcast
A1	13 May 2019	Visibility (mi)	8
A1	13 May 2019	Wind Speed (kts)	2
A1	13 May 2019	Wind Dir	E
A1	13 May 2019	Water Color	Green
A1	13 May 2019	Wave Ht Low (ft)	4
A1	13 May 2019	Wave Period (sec)	13
A1	13 May 2019	Sea State	Calm
A1	13 May 2019	High Tide (ft)	4.34
A1	13 May 2019	High Tide Time	505
A1	13 May 2019	Low Tide (ft)	-0.12
A1	13 May 2019	Low Tide Time	1158
A1	13 May 2019	Comments	none
A1	23 May 2019	Depth (m)	20
A1	23 May 2019	Arrive Time	817
A1	23 May 2019	Depart Time	821
A1	23 May 2019	Air Temp (C)	15
A1	23 May 2019	Weather	Overcast
A1	23 May 2019	Visibility (mi)	9
A1	23 May 2019	Wind Speed (kts)	9
A1	23 May 2019	Wind Dir	W
A1	23 May 2019	Water Color	Green
A1	23 May 2019	Wave Ht Low (ft)	8
A1	23 May 2019	Wave Period (sec)	11
A1	23 May 2019	Sea State	Confused swell
A1	23 May 2019	High Tide (ft)	3.24
A1	23 May 2019	High Tide Time	1432
A1	23 May 2019	Low Tide (ft)	-0.05
A1	23 May 2019	Low Tide Time	732
A1	23 May 2019	Comments	Kelp
A1	29 May 2019	Depth (m)	19
A1	29 May 2019	Arrive Time	746

Station	Date	Parameter	Value
A1	29 May 2019	Depart Time	755
A1	29 May 2019	Air Temp (C)	16
A1	29 May 2019	Weather	Partly Cloudy
A1	29 May 2019	Visibility (mi)	6
A1	29 May 2019	Wind Speed (kts)	2
A1	29 May 2019	Wind Dir	NE
A1	29 May 2019	Water Color	Brownish-Green
A1	29 May 2019	Wave Ht Low (ft)	4
A1	29 May 2019	Wave Period (sec)	9
A1	29 May 2019	Sea State	Light chop
A1	29 May 2019	High Tide (ft)	3.59
A1	29 May 2019	High Tide Time	635
A1	29 May 2019	Low Tide (ft)	0.93
A1	29 May 2019	Low Tide Time	1237
A1	29 May 2019	Comments	none
A6	06 May 2019	Depth (m)	18
A6	06 May 2019	Arrive Time	834
A6	06 May 2019	Depart Time	838
A6	06 May 2019	Air Temp (C)	16
A6	06 May 2019	Weather	Partly Cloudy
A6	06 May 2019	Visibility (mi)	5
A6	06 May 2019	Wind Speed (kts)	6
A6	06 May 2019	Wind Dir	E
A6	06 May 2019	Water Color	Brownish-Green
A6	06 May 2019	Wave Ht Low (ft)	3
A6	06 May 2019	Wave Period (sec)	13
A6	06 May 2019	Sea State	Light chop
A6	06 May 2019	High Tide (ft)	6.33
A6	06 May 2019	High Tide Time	2106
A6	06 May 2019	Low Tide (ft)	-0.71
A6	06 May 2019	Low Tide Time	405
A6	06 May 2019	Comments	none
A6	13 May 2019	Depth (m)	10
A6	13 May 2019	Arrive Time	848
A6	13 May 2019	Depart Time	852
A6	13 May 2019	Air Temp (C)	17
A6	13 May 2019	Weather	Overcast
A6	13 May 2019	Visibility (mi)	8
A6	13 May 2019	Wind Speed (kts)	0
A6	13 May 2019	Wind Dir	
A6	13 May 2019	Water Color	Green
A6	13 May 2019	Wave Ht Low (ft)	4
A6	13 May 2019	Wave Period (sec)	13
A6	13 May 2019	Sea State	Calm
A6	13 May 2019	High Tide (ft)	4.34
A6	13 May 2019	High Tide Time	505
A6	13 May 2019	Low Tide (ft)	-0.12
A6	13 May 2019	Low Tide Time	1158
A6	13 May 2019	Comments	Kelp; Lobster floats
A6	23 May 2019	Depth (m)	23
A6	23 May 2019	Arrive Time	859
A6	23 May 2019	Depart Time	905
A6	23 May 2019	Air Temp (C)	15
A6	23 May 2019	Weather	Overcast
A6	23 May 2019	Visibility (mi)	9
A6	23 May 2019	Wind Speed (kts)	12
A6	23 May 2019	Wind Dir	SW
A6	23 May 2019	Water Color	Green

Station	Date	Parameter	Value
A6	23 May 2019	Wave Ht Low (ft)	8
A6	23 May 2019	Wave Period (sec)	11
A6	23 May 2019	Sea State	Confused swell
A6	23 May 2019	High Tide (ft)	3.24
A6	23 May 2019	High Tide Time	1432
A6	23 May 2019	Low Tide (ft)	-0.05
A6	23 May 2019	Low Tide Time	732
A6	23 May 2019	Comments	Kelp
A6	29 May 2019	Depth (m)	20
A6	29 May 2019	Arrive Time	818
A6	29 May 2019	Depart Time	824
A6	29 May 2019	Air Temp (C)	16
A6	29 May 2019	Weather	Partly Cloudy
A6	29 May 2019	Visibility (mi)	6
A6	29 May 2019	Wind Speed (kts)	3
A6	29 May 2019	Wind Dir	N
A6	29 May 2019	Water Color	Green
A6	29 May 2019	Wave Ht Low (ft)	4
A6	29 May 2019	Wave Period (sec)	9
A6	29 May 2019	Sea State	Light chop
A6	29 May 2019	High Tide (ft)	3.59
A6	29 May 2019	High Tide Time	635
A6	29 May 2019	Low Tide (ft)	0.93
A6	29 May 2019	Low Tide Time	1237
A6	29 May 2019	Comments	Kelp
A7	06 May 2019	Depth (m)	18
A7	06 May 2019	Arrive Time	821
A7	06 May 2019	Depart Time	828
A7	06 May 2019	Air Temp (C)	16
A7	06 May 2019	Weather	Partly Cloudy
A7	06 May 2019	Visibility (mi)	5
A7	06 May 2019	Wind Speed (kts)	12
A7	06 May 2019	Wind Dir	E
A7	06 May 2019	Water Color	Brownish-Green
A7	06 May 2019	Wave Ht Low (ft)	3
A7	06 May 2019	Wave Period (sec)	13
A7	06 May 2019	Sea State	Light chop
A7	06 May 2019	High Tide (ft)	6.33
A7	06 May 2019	High Tide Time	2106
A7	06 May 2019	Low Tide (ft)	-0.71
A7	06 May 2019	Low Tide Time	405
A7	06 May 2019	Comments	none
A7	13 May 2019	Depth (m)	18
A7	13 May 2019	Arrive Time	833
A7	13 May 2019	Depart Time	839
A7	13 May 2019	Air Temp (C)	17
A7	13 May 2019	Weather	Overcast
A7	13 May 2019	Visibility (mi)	8
A7	13 May 2019	Wind Speed (kts)	0
A7	13 May 2019	Wind Dir	
A7	13 May 2019	Water Color	Green
A7	13 May 2019	Wave Ht Low (ft)	4
A7	13 May 2019	Wave Period (sec)	13
A7	13 May 2019	Sea State	Calm
A7	13 May 2019	High Tide (ft)	4.34
A7	13 May 2019	High Tide Time	505
A7	13 May 2019	Low Tide (ft)	-0.12
A7	13 May 2019	Low Tide Time	1158

Station	Date	Parameter	Value
A7	13 May 2019	Comments	Unable to obtain station depth
A7	23 May 2019	Depth (m)	17
A7	23 May 2019	Arrive Time	830
A7	23 May 2019	Depart Time	844
A7	23 May 2019	Air Temp (C)	15
A7	23 May 2019	Weather	Overcast
A7	23 May 2019	Visibility (mi)	9
A7	23 May 2019	Wind Speed (kts)	13
A7	23 May 2019	Wind Dir	SW
A7	23 May 2019	Water Color	Green
A7	23 May 2019	Wave Ht Low (ft)	8
A7	23 May 2019	Wave Period (sec)	11
A7	23 May 2019	Sea State	Confused swell
A7	23 May 2019	High Tide (ft)	3.24
A7	23 May 2019	High Tide Time	1432
A7	23 May 2019	Low Tide (ft)	-0.05
A7	23 May 2019	Low Tide Time	732
A7	23 May 2019	Comments	Kelp
A7	29 May 2019	Depth (m)	20
A7	29 May 2019	Arrive Time	801
A7	29 May 2019	Depart Time	809
A7	29 May 2019	Air Temp (C)	16
A7	29 May 2019	Weather	Partly Cloudy
A7	29 May 2019	Visibility (mi)	6
A7	29 May 2019	Wind Speed (kts)	2
A7	29 May 2019	Wind Dir	N
A7	29 May 2019	Water Color	Green
A7	29 May 2019	Wave Ht Low (ft)	4
A7	29 May 2019	Wave Period (sec)	9
A7	29 May 2019	Sea State	Light chop
A7	29 May 2019	High Tide (ft)	3.59
A7	29 May 2019	High Tide Time	635
A7	29 May 2019	Low Tide (ft)	0.93
A7	29 May 2019	Low Tide Time	1237
A7	29 May 2019	Comments	Kelp
C4	06 May 2019	Depth (m)	9
C4	06 May 2019	Arrive Time	936
C4	06 May 2019	Depart Time	941
C4	06 May 2019	Air Temp (C)	16
C4	06 May 2019	Weather	Partly Cloudy
C4	06 May 2019	Visibility (mi)	5
C4	06 May 2019	Wind Speed (kts)	6
C4	06 May 2019	Wind Dir	S
C4	06 May 2019	Water Color	Green
C4	06 May 2019	Wave Ht Low (ft)	3
C4	06 May 2019	Wave Period (sec)	13
C4	06 May 2019	Sea State	Light chop
C4	06 May 2019	High Tide (ft)	6.33
C4	06 May 2019	High Tide Time	2106
C4	06 May 2019	Low Tide (ft)	-0.71
C4	06 May 2019	Low Tide Time	405
C4	06 May 2019	Comments	Kelp
C4	13 May 2019	Depth (m)	12
C4	13 May 2019	Arrive Time	1004
C4	13 May 2019	Depart Time	1008
C4	13 May 2019	Air Temp (C)	17
C4	13 May 2019	Weather	Overcast

Station	Date	Parameter	Value
C4	13 May 2019	Visibility (mi)	8
C4	13 May 2019	Wind Speed (kts)	2
C4	13 May 2019	Wind Dir	SE
C4	13 May 2019	Water Color	Bluish-Green
C4	13 May 2019	Wave Ht Low (ft)	4
C4	13 May 2019	Wave Period (sec)	13
C4	13 May 2019	Sea State	Calm
C4	13 May 2019	High Tide (ft)	4.34
C4	13 May 2019	High Tide Time	505
C4	13 May 2019	Low Tide (ft)	-0.12
C4	13 May 2019	Low Tide Time	1158
C4	13 May 2019	Comments	none
C4	23 May 2019	Depth (m)	12
C4	23 May 2019	Arrive Time	1016
C4	23 May 2019	Depart Time	1021
C4	23 May 2019	Air Temp (C)	15
C4	23 May 2019	Weather	Overcast
C4	23 May 2019	Visibility (mi)	9
C4	23 May 2019	Wind Speed (kts)	9
C4	23 May 2019	Wind Dir	SW
C4	23 May 2019	Water Color	Brownish-Green
C4	23 May 2019	Wave Ht Low (ft)	8
C4	23 May 2019	Wave Period (sec)	11
C4	23 May 2019	Sea State	Confused swell
C4	23 May 2019	High Tide (ft)	3.24
C4	23 May 2019	High Tide Time	1432
C4	23 May 2019	Low Tide (ft)	-0.05
C4	23 May 2019	Low Tide Time	732
C4	23 May 2019	Comments	Kelp
C4	29 May 2019	Depth (m)	12
C4	29 May 2019	Arrive Time	931
C4	29 May 2019	Depart Time	937
C4	29 May 2019	Air Temp (C)	16
C4	29 May 2019	Weather	Partly Cloudy
C4	29 May 2019	Visibility (mi)	6
C4	29 May 2019	Wind Speed (kts)	3
C4	29 May 2019	Wind Dir	S
C4	29 May 2019	Water Color	Green
C4	29 May 2019	Wave Ht Low (ft)	4
C4	29 May 2019	Wave Period (sec)	9
C4	29 May 2019	Sea State	Light chop
C4	29 May 2019	High Tide (ft)	3.59
C4	29 May 2019	High Tide Time	635
C4	29 May 2019	Low Tide (ft)	0.93
C4	29 May 2019	Low Tide Time	1237
C4	29 May 2019	Comments	Kelp; Surfers
C5	06 May 2019	Depth (m)	9
C5	06 May 2019	Arrive Time	926
C5	06 May 2019	Depart Time	930
C5	06 May 2019	Air Temp (C)	16
C5	06 May 2019	Weather	Partly Cloudy
C5	06 May 2019	Visibility (mi)	5
C5	06 May 2019	Wind Speed (kts)	4
C5	06 May 2019	Wind Dir	SE
C5	06 May 2019	Water Color	Green
C5	06 May 2019	Wave Ht Low (ft)	3
C5	06 May 2019	Wave Period (sec)	13
C5	06 May 2019	Sea State	Light chop

Station	Date	Parameter	Value
C5	06 May 2019	High Tide (ft)	6.33
C5	06 May 2019	High Tide Time	2106
C5	06 May 2019	Low Tide (ft)	-0.71
C5	06 May 2019	Low Tide Time	405
C5	06 May 2019	Comments	Kelp
C5	13 May 2019	Depth (m)	10
C5	13 May 2019	Arrive Time	954
C5	13 May 2019	Depart Time	959
C5	13 May 2019	Air Temp (C)	17
C5	13 May 2019	Weather	Overcast
C5	13 May 2019	Visibility (mi)	8
C5	13 May 2019	Wind Speed (kts)	4
C5	13 May 2019	Wind Dir	SE
C5	13 May 2019	Water Color	Bluish-Green
C5	13 May 2019	Wave Ht Low (ft)	4
C5	13 May 2019	Wave Period (sec)	13
C5	13 May 2019	Sea State	Calm
C5	13 May 2019	High Tide (ft)	4.34
C5	13 May 2019	High Tide Time	505
C5	13 May 2019	Low Tide (ft)	-0.12
C5	13 May 2019	Low Tide Time	1158
C5	13 May 2019	Comments	none
C5	23 May 2019	Depth (m)	12
C5	23 May 2019	Arrive Time	1002
C5	23 May 2019	Depart Time	1009
C5	23 May 2019	Air Temp (C)	15
C5	23 May 2019	Weather	Overcast
C5	23 May 2019	Visibility (mi)	9
C5	23 May 2019	Wind Speed (kts)	9
C5	23 May 2019	Wind Dir	SW
C5	23 May 2019	Water Color	Green
C5	23 May 2019	Wave Ht Low (ft)	8
C5	23 May 2019	Wave Period (sec)	11
C5	23 May 2019	Sea State	Confused swell
C5	23 May 2019	High Tide (ft)	3.24
C5	23 May 2019	High Tide Time	1432
C5	23 May 2019	Low Tide (ft)	-0.05
C5	23 May 2019	Low Tide Time	732
C5	23 May 2019	Comments	none
C5	29 May 2019	Depth (m)	11
C5	29 May 2019	Arrive Time	919
C5	29 May 2019	Depart Time	923
C5	29 May 2019	Air Temp (C)	16
C5	29 May 2019	Weather	Partly Cloudy
C5	29 May 2019	Visibility (mi)	6
C5	29 May 2019	Wind Speed (kts)	4
C5	29 May 2019	Wind Dir	W
C5	29 May 2019	Water Color	Green
C5	29 May 2019	Wave Ht Low (ft)	4
C5	29 May 2019	Wave Period (sec)	9
C5	29 May 2019	Sea State	Light chop
C5	29 May 2019	High Tide (ft)	3.59
C5	29 May 2019	High Tide Time	635
C5	29 May 2019	Low Tide (ft)	0.93
C5	29 May 2019	Low Tide Time	1237
C5	29 May 2019	Comments	Kelp
C6	06 May 2019	Depth (m)	9

Station	Date	Parameter	Value
C6	06 May 2019	Arrive Time	914
C6	06 May 2019	Depart Time	921
C6	06 May 2019	Air Temp (C)	16
C6	06 May 2019	Weather	Partly Cloudy
C6	06 May 2019	Visibility (mi)	5
C6	06 May 2019	Wind Speed (kts)	8
C6	06 May 2019	Wind Dir	SE
C6	06 May 2019	Water Color	Green
C6	06 May 2019	Wave Ht Low (ft)	3
C6	06 May 2019	Wave Period (sec)	13
C6	06 May 2019	Sea State	Light chop
C6	06 May 2019	High Tide (ft)	6.33
C6	06 May 2019	High Tide Time	2106
C6	06 May 2019	Low Tide (ft)	-0.71
C6	06 May 2019	Low Tide Time	405
C6	06 May 2019	Comments	Kelp
C6	13 May 2019	Depth (m)	9
C6	13 May 2019	Arrive Time	942
C6	13 May 2019	Depart Time	946
C6	13 May 2019	Air Temp (C)	17
C6	13 May 2019	Weather	Overcast
C6	13 May 2019	Visibility (mi)	8
C6	13 May 2019	Wind Speed (kts)	3
C6	13 May 2019	Wind Dir	SE
C6	13 May 2019	Water Color	Bluish-Green
C6	13 May 2019	Wave Ht Low (ft)	4
C6	13 May 2019	Wave Period (sec)	13
C6	13 May 2019	Sea State	Calm
C6	13 May 2019	High Tide (ft)	4.34
C6	13 May 2019	High Tide Time	505
C6	13 May 2019	Low Tide (ft)	-0.12
C6	13 May 2019	Low Tide Time	1158
C6	13 May 2019	Comments	Kelp
C6	23 May 2019	Depth (m)	10
C6	23 May 2019	Arrive Time	952
C6	23 May 2019	Depart Time	957
C6	23 May 2019	Air Temp (C)	15
C6	23 May 2019	Weather	Overcast
C6	23 May 2019	Visibility (mi)	9
C6	23 May 2019	Wind Speed (kts)	10
C6	23 May 2019	Wind Dir	SW
C6	23 May 2019	Water Color	Green
C6	23 May 2019	Wave Ht Low (ft)	8
C6	23 May 2019	Wave Period (sec)	11
C6	23 May 2019	Sea State	Confused swell
C6	23 May 2019	High Tide (ft)	3.24
C6	23 May 2019	High Tide Time	1432
C6	23 May 2019	Low Tide (ft)	-0.05
C6	23 May 2019	Low Tide Time	732
C6	23 May 2019	Comments	Kelp
C6	29 May 2019	Depth (m)	9
C6	29 May 2019	Arrive Time	908
C6	29 May 2019	Depart Time	912
C6	29 May 2019	Air Temp (C)	16
C6	29 May 2019	Weather	Partly Cloudy
C6	29 May 2019	Visibility (mi)	6
C6	29 May 2019	Wind Speed (kts)	4
C6	29 May 2019	Wind Dir	NW

Station	Date	Parameter	Value
C6	29 May 2019	Water Color	Green
C6	29 May 2019	Wave Ht Low (ft)	4
C6	29 May 2019	Wave Period (sec)	9
C6	29 May 2019	Sea State	Light chop
C6	29 May 2019	High Tide (ft)	3.59
C6	29 May 2019	High Tide Time	635
C6	29 May 2019	Low Tide (ft)	0.93
C6	29 May 2019	Low Tide Time	1237
C6	29 May 2019	Comments	Kelp
C7	06 May 2019	Depth (m)	18
C7	06 May 2019	Arrive Time	847
C7	06 May 2019	Depart Time	852
C7	06 May 2019	Air Temp (C)	16
C7	06 May 2019	Weather	Partly Cloudy
C7	06 May 2019	Visibility (mi)	5
C7	06 May 2019	Wind Speed (kts)	7
C7	06 May 2019	Wind Dir	NW
C7	06 May 2019	Water Color	Brownish-Green
C7	06 May 2019	Wave Ht Low (ft)	3
C7	06 May 2019	Wave Period (sec)	13
C7	06 May 2019	Sea State	Light chop
C7	06 May 2019	High Tide (ft)	6.33
C7	06 May 2019	High Tide Time	2106
C7	06 May 2019	Low Tide (ft)	-0.71
C7	06 May 2019	Low Tide Time	405
C7	06 May 2019	Comments	none
C7	13 May 2019	Depth (m)	18
C7	13 May 2019	Arrive Time	904
C7	13 May 2019	Depart Time	909
C7	13 May 2019	Air Temp (C)	17
C7	13 May 2019	Weather	Overcast
C7	13 May 2019	Visibility (mi)	8
C7	13 May 2019	Wind Speed (kts)	0
C7	13 May 2019	Wind Dir	
C7	13 May 2019	Water Color	Bluish-Green
C7	13 May 2019	Wave Ht Low (ft)	4
C7	13 May 2019	Wave Period (sec)	13
C7	13 May 2019	Sea State	Calm
C7	13 May 2019	High Tide (ft)	4.34
C7	13 May 2019	High Tide Time	505
C7	13 May 2019	Low Tide (ft)	-0.12
C7	13 May 2019	Low Tide Time	1158
C7	13 May 2019	Comments	Kelp debris
C7	23 May 2019	Depth (m)	18
C7	23 May 2019	Arrive Time	914
C7	23 May 2019	Depart Time	921
C7	23 May 2019	Air Temp (C)	15
C7	23 May 2019	Weather	Overcast
C7	23 May 2019	Visibility (mi)	9
C7	23 May 2019	Wind Speed (kts)	9
C7	23 May 2019	Wind Dir	SW
C7	23 May 2019	Water Color	Green
C7	23 May 2019	Wave Ht Low (ft)	8
C7	23 May 2019	Wave Period (sec)	11
C7	23 May 2019	Sea State	Confused swell
C7	23 May 2019	High Tide (ft)	3.24
C7	23 May 2019	High Tide Time	1432
C7	23 May 2019	Low Tide (ft)	-0.05

Station	Date	Parameter	Value
C7	23 May 2019	Low Tide Time	732
C7	23 May 2019	Comments	Kelp
C7	29 May 2019	Depth (m)	19
C7	29 May 2019	Arrive Time	834
C7	29 May 2019	Depart Time	838
C7	29 May 2019	Air Temp (C)	16
C7	29 May 2019	Weather	Partly Cloudy
C7	29 May 2019	Visibility (mi)	6
C7	29 May 2019	Wind Speed (kts)	1
C7	29 May 2019	Wind Dir	SW
C7	29 May 2019	Water Color	Green
C7	29 May 2019	Wave Ht Low (ft)	4
C7	29 May 2019	Wave Period (sec)	9
C7	29 May 2019	Sea State	Light chop
C7	29 May 2019	High Tide (ft)	3.59
C7	29 May 2019	High Tide Time	635
C7	29 May 2019	Low Tide (ft)	0.93
C7	29 May 2019	Low Tide Time	1237
C7	29 May 2019	Comments	Kelp
C8	06 May 2019	Depth (m)	18
C8	06 May 2019	Arrive Time	858
C8	06 May 2019	Depart Time	914
C8	06 May 2019	Air Temp (C)	16
C8	06 May 2019	Weather	Partly Cloudy
C8	06 May 2019	Visibility (mi)	5
C8	06 May 2019	Wind Speed (kts)	3
C8	06 May 2019	Wind Dir	W
C8	06 May 2019	Water Color	Brownish-Green
C8	06 May 2019	Wave Ht Low (ft)	3
C8	06 May 2019	Wave Period (sec)	13
C8	06 May 2019	Sea State	Light chop
C8	06 May 2019	High Tide (ft)	6.33
C8	06 May 2019	High Tide Time	2106
C8	06 May 2019	Low Tide (ft)	-0.71
C8	06 May 2019	Low Tide Time	405
C8	06 May 2019	Comments	none
C8	13 May 2019	Depth (m)	20
C8	13 May 2019	Arrive Time	918
C8	13 May 2019	Depart Time	924
C8	13 May 2019	Air Temp (C)	17
C8	13 May 2019	Weather	Overcast
C8	13 May 2019	Visibility (mi)	8
C8	13 May 2019	Wind Speed (kts)	2
C8	13 May 2019	Wind Dir	SW
C8	13 May 2019	Water Color	Bluish-Green
C8	13 May 2019	Wave Ht Low (ft)	4
C8	13 May 2019	Wave Period (sec)	13
C8	13 May 2019	Sea State	Calm
C8	13 May 2019	High Tide (ft)	4.34
C8	13 May 2019	High Tide Time	505
C8	13 May 2019	Low Tide (ft)	-0.12
C8	13 May 2019	Low Tide Time	1158
C8	13 May 2019	Comments	none
C8	23 May 2019	Depth (m)	19
C8	23 May 2019	Arrive Time	926
C8	23 May 2019	Depart Time	933
C8	23 May 2019	Air Temp (C)	15

Station	Date	Parameter	Value
C8	23 May 2019	Weather	Overcast
C8	23 May 2019	Visibility (mi)	9
C8	23 May 2019	Wind Speed (kts)	11
C8	23 May 2019	Wind Dir	SW
C8	23 May 2019	Water Color	Green
C8	23 May 2019	Wave Ht Low (ft)	8
C8	23 May 2019	Wave Period (sec)	11
C8	23 May 2019	Sea State	Confused swell
C8	23 May 2019	High Tide (ft)	3.24
C8	23 May 2019	High Tide Time	1432
C8	23 May 2019	Low Tide (ft)	-0.05
C8	23 May 2019	Low Tide Time	732
C8	23 May 2019	Comments	none
C8	29 May 2019	Depth (m)	18
C8	29 May 2019	Arrive Time	847
C8	29 May 2019	Depart Time	854
C8	29 May 2019	Air Temp (C)	16
C8	29 May 2019	Weather	Partly Cloudy
C8	29 May 2019	Visibility (mi)	6
C8	29 May 2019	Wind Speed (kts)	2
C8	29 May 2019	Wind Dir	E
C8	29 May 2019	Water Color	Green
C8	29 May 2019	Wave Ht Low (ft)	4
C8	29 May 2019	Wave Period (sec)	9
C8	29 May 2019	Sea State	Light chop
C8	29 May 2019	High Tide (ft)	3.59
C8	29 May 2019	High Tide Time	635
C8	29 May 2019	Low Tide (ft)	0.93
C8	29 May 2019	Low Tide Time	1237
C8	29 May 2019	Comments	none

**Table 3.10**

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma\text{-t}$ )	Chlor ( $\mu\text{g/L}$ )
A1	06 May 2019	1	15.38	78.59	7.8	33.62	8.1	24.8	1.31
A1	06 May 2019	2	15.43	78.76	7.9	33.62	8.1	24.8	1.37
A1	06 May 2019	3	15.40	78.81	7.8	33.62	8.1	24.8	1.50
A1	06 May 2019	4	15.34	78.61	7.8	33.62	8.1	24.8	1.66
A1	06 May 2019	5	15.24	78.33	7.7	33.63	8.1	24.9	1.82
A1	06 May 2019	6	15.12	78.07	7.6	33.63	8.1	24.9	2.01
A1	06 May 2019	7	15.01	77.96	7.6	33.63	8.1	24.9	2.16
A1	06 May 2019	8	14.79	77.58	7.5	33.64	8.1	25.0	2.34
A1	06 May 2019	9	14.63	77.16	7.4	33.63	8.1	25.0	2.48
A1	06 May 2019	10	14.56	77.07	7.3	33.64	8.1	25.0	2.57
A1	06 May 2019	11	14.13	76.90	7.1	33.64	8.1	25.1	2.72
A1	06 May 2019	12	13.95	77.53	7.0	33.65	8.1	25.2	2.81
A1	06 May 2019	13	13.64	77.90	6.9	33.63	8.0	25.2	2.92
A1	06 May 2019	14	13.61	77.92	6.8	33.63	8.0	25.2	2.99
A1	06 May 2019	15	13.47	78.40	6.7	33.65	8.0	25.2	2.89
A1	06 May 2019	16	13.00	80.67	6.3	33.66	8.0	25.4	2.45
A1	06 May 2019	17	12.58	82.71	6.0	33.65	8.0	25.4	1.95
A1	06 May 2019	18	12.35	84.18	5.9	33.65	8.0	25.5	1.48
A1	06 May 2019	19	12.29	84.40	5.9	33.63	8.0	25.5	1.19
A1	13 May 2019	1	16.81	79.60	8.4	33.61	8.1	24.5	1.82
A1	13 May 2019	2	16.81	79.74	8.3	33.62	8.1	24.5	1.86
A1	13 May 2019	3	16.40	79.40	8.1	33.63	8.1	24.6	2.48
A1	13 May 2019	4	16.23	77.75	8.0	33.62	8.1	24.6	2.98
A1	13 May 2019	5	16.15	76.53	8.0	33.62	8.1	24.7	3.20
A1	13 May 2019	6	15.82	76.10	8.0	33.63	8.1	24.7	3.33
A1	13 May 2019	7	15.19	76.28	8.1	33.63	8.1	24.9	3.24
A1	13 May 2019	8	14.59	77.37	8.1	33.62	8.1	25.0	3.22
A1	13 May 2019	9	13.99	77.29	7.8	33.62	8.1	25.1	3.52
A1	13 May 2019	10	13.41	77.47	7.6	33.59	8.1	25.2	3.31
A1	13 May 2019	11	13.21	78.85	7.5	33.58	8.0	25.3	3.30
A1	13 May 2019	12	13.15	79.13	7.4	33.58	8.0	25.3	3.20
A1	13 May 2019	13	13.12	79.13	7.3	33.59	8.0	25.3	3.06
A1	13 May 2019	14	13.10	79.40	7.4	33.58	8.0	25.3	3.07
A1	13 May 2019	15	13.13	79.33	7.4	33.59	8.0	25.3	3.07
A1	13 May 2019	16	13.16	79.34	7.4	33.59	8.0	25.3	3.09
A1	13 May 2019	17	13.20	79.55	7.4	33.59	8.0	25.3	3.09
A1	13 May 2019	18	13.24	79.47	7.4	33.59	8.0	25.3	3.10
A1	23 May 2019	1	14.29	70.40	7.2	33.62	8.1	25.1	1.93
A1	23 May 2019	2	14.27	72.64	7.1	33.64	8.1	25.1	2.00
A1	23 May 2019	3	14.27	73.49	7.1	33.64	8.1	25.1	2.21
A1	23 May 2019	4	14.13	74.23	7.0	33.66	8.1	25.1	2.24
A1	23 May 2019	5	14.06	75.66	7.0	33.65	8.1	25.1	2.22
A1	23 May 2019	6	13.62	75.59	6.9	33.66	8.1	25.2	2.14
A1	23 May 2019	7	13.61	75.90	6.9	33.65	8.1	25.2	2.02
A1	23 May 2019	8	13.48	76.11	6.7	33.66	8.1	25.3	2.01
A1	23 May 2019	9	13.36	76.04	6.7	33.66	8.0	25.3	1.92
A1	23 May 2019	10	13.31	76.01	6.7	33.66	8.0	25.3	1.86
A1	23 May 2019	11	13.28	76.20	6.6	33.65	8.0	25.3	1.84
A1	23 May 2019	12	13.26	76.55	6.5	33.66	8.0	25.3	1.87
A1	23 May 2019	13	12.96	76.29	6.3	33.68	8.0	25.4	1.76
A1	23 May 2019	14	12.46	77.36	6.0	33.69	8.0	25.5	1.62
A1	23 May 2019	15	12.18	79.80	5.7	33.70	8.0	25.5	1.37
A1	23 May 2019	16	11.28	78.53	5.0	33.73	7.9	25.7	0.93
A1	23 May 2019	17	11.43	77.55	5.0	33.70	7.9	25.7	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A1	23 May 2019	18	11.38	77.76	5.0	33.70	7.9	25.7	0.73
A1	29 May 2019	1	15.70	69.68	9.4	33.66	8.2	24.8	3.60
A1	29 May 2019	2	15.62	69.76	9.5	33.66	8.2	24.8	4.18
A1	29 May 2019	3	15.46	69.81	9.4	33.67	8.2	24.8	4.64
A1	29 May 2019	4	15.07	69.43	9.2	33.66	8.2	24.9	4.85
A1	29 May 2019	5	14.92	67.47	8.8	33.66	8.2	25.0	5.81
A1	29 May 2019	6	14.72	66.42	8.4	33.66	8.1	25.0	6.99
A1	29 May 2019	7	13.96	65.73	7.5	33.70	8.1	25.2	7.38
A1	29 May 2019	8	13.12	68.07	6.6	33.69	8.0	25.4	6.46
A1	29 May 2019	9	12.55	71.86	6.1	33.64	7.9	25.4	4.44
A1	29 May 2019	10	12.80	69.66	6.0	33.62	7.9	25.4	3.88
A1	29 May 2019	11	11.80	76.28	5.6	33.66	7.9	25.6	2.91
A1	29 May 2019	12	11.91	74.86	5.3	33.64	7.8	25.5	2.52
A1	29 May 2019	13	11.34	79.39	5.1	33.69	7.8	25.7	1.90
A1	29 May 2019	14	11.31	80.86	4.9	33.67	7.8	25.7	1.42
A1	29 May 2019	15	11.23	81.61	4.9	33.68	7.8	25.7	1.19
A1	29 May 2019	16	11.23	81.74	4.9	33.68	7.8	25.7	1.11
A1	29 May 2019	17	11.22	81.57	4.9	33.68	7.8	25.7	1.12
A1	29 May 2019	18	11.22	81.98	4.8	33.68	7.8	25.7	1.06
A6	06 May 2019	1	17.11	81.93	8.4	33.64	8.2	24.4	0.98
A6	06 May 2019	2	16.87	81.76	8.4	33.65	8.2	24.5	1.07
A6	06 May 2019	3	16.73	81.61	8.3	33.64	8.2	24.5	1.20
A6	06 May 2019	4	16.54	81.45	8.3	33.64	8.2	24.6	1.30
A6	06 May 2019	5	16.53	81.42	8.2	33.63	8.2	24.6	1.32
A6	06 May 2019	6	16.49	81.47	8.2	33.64	8.2	24.6	1.34
A6	06 May 2019	7	16.38	81.63	8.1	33.64	8.2	24.6	1.34
A6	06 May 2019	8	16.21	81.36	8.0	33.64	8.2	24.7	1.53
A6	06 May 2019	9	16.10	80.80	8.0	33.64	8.2	24.7	1.73
A6	06 May 2019	10	16.02	80.56	8.1	33.64	8.2	24.7	1.85
A6	06 May 2019	11	15.81	80.30	8.0	33.65	8.2	24.7	1.92
A6	06 May 2019	12	15.73	80.35	8.0	33.64	8.2	24.8	1.85
A6	06 May 2019	13	15.66	80.46	7.8	33.64	8.2	24.8	1.89
A6	06 May 2019	14	15.34	80.69	7.3	33.69	8.1	24.9	1.87
A6	06 May 2019	15	13.95	81.33	6.8	33.70	8.1	25.2	1.81
A6	06 May 2019	16	13.12	82.03	6.4	33.68	8.0	25.3	1.67
A6	06 May 2019	17	13.08	83.68	6.2	33.61	8.0	25.3	1.49
A6	06 May 2019	18	12.19	84.95	5.7	33.70	8.0	25.5	1.22
A6	06 May 2019	19	11.88	85.47	5.4	33.65	7.9	25.6	0.87
A6	06 May 2019	20	11.87	85.84	5.3	33.65	7.9	25.6	0.73
A6	06 May 2019	21	11.78	85.83	5.4	33.64	7.9	25.6	0.66
A6	13 May 2019	1	16.83	81.14	8.5	33.62	8.2	24.5	1.70
A6	13 May 2019	2	16.84	81.19	8.5	33.62	8.2	24.5	1.75
A6	13 May 2019	3	16.85	81.21	8.5	33.62	8.2	24.5	1.88
A6	13 May 2019	4	16.77	81.31	8.4	33.63	8.2	24.5	1.86
A6	13 May 2019	5	16.75	81.23	8.4	33.62	8.2	24.5	2.01
A6	13 May 2019	6	16.66	80.95	8.3	33.62	8.2	24.5	2.12
A6	13 May 2019	7	16.62	80.85	8.4	33.62	8.2	24.5	2.11
A6	13 May 2019	8	16.59	80.88	8.3	33.62	8.2	24.6	2.25
A6	13 May 2019	9	16.38	80.80	8.2	33.62	8.2	24.6	2.24
A6	13 May 2019	10	16.25	80.64	8.3	33.62	8.2	24.6	2.35
A6	13 May 2019	11	16.16	80.55	8.2	33.62	8.2	24.7	2.41
A6	13 May 2019	12	15.94	80.42	8.1	33.63	8.1	24.7	2.32
A6	13 May 2019	13	15.77	80.35	8.0	33.62	8.1	24.7	2.39
A6	13 May 2019	14	15.42	80.46	7.6	33.63	8.1	24.8	2.39
A6	13 May 2019	15	14.40	81.47	7.3	33.65	8.1	25.1	1.99
A6	13 May 2019	16	14.37	82.28	7.2	33.60	8.1	25.0	1.69
A6	13 May 2019	17	13.87	82.18	7.0	33.64	8.0	25.2	1.71
A6	13 May 2019	18	13.54	81.94	7.0	33.62	8.0	25.2	1.87

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A6	23 May 2019	1	14.48	65.80	7.4	33.65	8.1	25.0	2.03
A6	23 May 2019	2	14.48	67.61	7.4	33.65	8.1	25.0	2.06
A6	23 May 2019	3	14.48	70.65	7.4	33.65	8.1	25.0	2.15
A6	23 May 2019	4	14.48	71.41	7.4	33.65	8.1	25.0	2.17
A6	23 May 2019	5	14.48	71.54	7.4	33.65	8.1	25.0	2.24
A6	23 May 2019	6	14.48	71.52	7.3	33.65	8.1	25.0	2.35
A6	23 May 2019	7	14.46	71.79	7.3	33.65	8.1	25.0	2.36
A6	23 May 2019	8	14.17	72.39	7.2	33.67	8.1	25.1	2.01
A6	23 May 2019	9	14.01	73.28	6.7	33.67	8.1	25.2	1.82
A6	23 May 2019	10	12.69	75.07	5.9	33.74	8.0	25.5	1.39
A6	23 May 2019	11	12.51	75.43	5.5	33.70	8.0	25.5	1.08
A6	23 May 2019	12	11.76	75.29	5.2	33.73	7.9	25.7	0.86
A6	23 May 2019	13	11.55	75.50	4.9	33.72	7.9	25.7	0.70
A6	23 May 2019	14	10.78	73.87	4.5	33.76	7.9	25.9	0.59
A6	23 May 2019	15	10.65	74.56	4.3	33.75	7.8	25.9	0.52
A6	23 May 2019	16	10.59	75.67	4.2	33.75	7.8	25.9	0.46
A6	23 May 2019	17	10.55	74.83	4.2	33.74	7.8	25.9	0.44
A6	23 May 2019	18	10.51	73.80	4.2	33.75	7.8	25.9	0.41
A6	23 May 2019	19	10.41	69.97	4.1	33.77	7.8	25.9	0.39
A6	23 May 2019	20	10.35	66.12	4.0	33.77	7.8	25.9	0.39
A6	23 May 2019	21	10.36	64.69	4.0	33.77	7.8	25.9	0.40
A6	29 May 2019	1	16.15	71.13	9.7	33.66	8.2	24.7	2.46
A6	29 May 2019	2	16.17	72.36	9.2	33.66	8.2	24.7	2.61
A6	29 May 2019	3	15.00	73.45	8.0	33.78	8.2	25.0	3.41
A6	29 May 2019	4	13.39	73.56	7.1	33.72	8.1	25.3	4.96
A6	29 May 2019	5	12.98	72.87	6.7	33.66	8.0	25.4	5.57
A6	29 May 2019	6	12.90	73.38	6.6	33.64	8.0	25.4	5.58
A6	29 May 2019	7	12.81	74.17	6.6	33.64	8.0	25.4	5.20
A6	29 May 2019	8	12.75	75.55	6.5	33.64	8.0	25.4	4.44
A6	29 May 2019	9	12.69	76.38	6.4	33.65	8.0	25.4	3.69
A6	29 May 2019	10	12.66	77.10	6.3	33.65	8.0	25.4	3.28
A6	29 May 2019	11	12.63	78.06	6.3	33.65	7.9	25.4	3.15
A6	29 May 2019	12	12.61	78.36	6.3	33.65	7.9	25.4	2.93
A6	29 May 2019	13	12.57	78.85	6.2	33.66	7.9	25.4	2.76
A6	29 May 2019	14	12.43	79.02	6.1	33.66	7.9	25.5	2.59
A6	29 May 2019	15	12.28	79.43	5.7	33.67	7.9	25.5	2.47
A6	29 May 2019	16	11.70	80.22	5.4	33.71	7.9	25.6	2.23
A6	29 May 2019	17	11.55	81.05	5.2	33.68	7.8	25.6	1.83
A6	29 May 2019	18	11.47	80.96	5.0	33.68	7.8	25.7	1.60
A6	29 May 2019	19	11.39	80.82	5.0	33.69	7.8	25.7	1.35
A7	06 May 2019	1	15.98	79.75	8.1	33.63	8.1	24.7	1.10
A7	06 May 2019	2	15.89	79.91	8.0	33.65	8.1	24.7	1.16
A7	06 May 2019	3	15.80	79.84	8.0	33.63	8.1	24.7	1.32
A7	06 May 2019	4	15.91	79.87	7.9	33.63	8.1	24.7	1.40
A7	06 May 2019	5	15.36	80.04	7.4	33.69	8.1	24.9	1.48
A7	06 May 2019	6	14.08	80.21	7.0	33.72	8.1	25.2	1.60
A7	06 May 2019	7	13.63	81.37	6.8	33.62	8.0	25.2	1.61
A7	06 May 2019	8	13.22	82.28	6.5	33.67	8.0	25.3	1.55
A7	06 May 2019	9	13.06	82.58	6.4	33.63	8.0	25.3	1.54
A7	06 May 2019	10	12.99	82.96	6.3	33.63	8.0	25.3	1.47
A7	06 May 2019	11	12.64	83.88	6.1	33.65	8.0	25.4	1.29
A7	06 May 2019	12	12.52	84.37	5.9	33.64	7.9	25.4	1.10
A7	06 May 2019	13	12.31	84.53	5.7	33.65	7.9	25.5	0.94
A7	06 May 2019	14	12.12	84.55	5.5	33.65	7.9	25.5	0.77
A7	06 May 2019	15	11.99	84.57	5.4	33.65	7.9	25.5	0.71
A7	06 May 2019	16	11.89	85.15	5.3	33.65	7.9	25.6	0.69
A7	06 May 2019	17	11.84	85.21	5.3	33.66	7.9	25.6	0.66
A7	06 May 2019	18	11.82	85.27	5.3	33.65	7.9	25.6	0.61

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
A7	13 May 2019	1	17.13	77.00	8.3	33.61	8.1	24.4	1.35
A7	13 May 2019	2	17.08	76.85	8.3	33.62	8.1	24.4	1.50
A7	13 May 2019	3	16.93	78.22	8.4	33.62	8.2	24.5	1.59
A7	13 May 2019	4	16.88	79.19	8.4	33.62	8.2	24.5	1.59
A7	13 May 2019	5	16.76	79.01	8.5	33.62	8.2	24.5	1.76
A7	13 May 2019	6	16.62	80.00	8.5	33.63	8.2	24.5	1.98
A7	13 May 2019	7	16.47	79.97	8.5	33.62	8.2	24.6	2.12
A7	13 May 2019	8	16.37	79.97	8.6	33.62	8.2	24.6	2.24
A7	13 May 2019	9	16.29	79.96	8.4	33.62	8.2	24.6	2.39
A7	13 May 2019	10	15.84	79.89	7.9	33.66	8.2	24.8	2.35
A7	13 May 2019	11	15.07	79.47	7.6	33.65	8.1	24.9	2.57
A7	13 May 2019	12	14.86	79.40	7.4	33.62	8.1	24.9	2.40
A7	13 May 2019	13	14.54	80.23	7.1	33.63	8.1	25.0	2.01
A7	13 May 2019	14	13.64	81.19	6.8	33.66	8.0	25.2	1.66
A7	13 May 2019	15	13.30	81.77	6.6	33.63	8.0	25.3	1.57
A7	13 May 2019	16	13.33	81.98	6.6	33.60	8.0	25.2	1.53
A7	13 May 2019	17	13.26	81.46	6.6	33.62	8.0	25.3	1.52
A7	23 May 2019	1	14.39	73.19	7.3	33.65	8.1	25.1	1.67
A7	23 May 2019	2	14.39	73.19	7.3	33.64	8.1	25.1	1.77
A7	23 May 2019	3	14.39	72.72	7.2	33.65	8.1	25.1	1.84
A7	23 May 2019	4	14.39	75.14	7.2	33.65	8.1	25.1	1.87
A7	23 May 2019	5	14.39	75.16	7.2	33.65	8.1	25.1	1.93
A7	23 May 2019	6	14.30	74.70	7.2	33.65	8.1	25.1	1.95
A7	23 May 2019	7	14.25	74.84	7.2	33.65	8.1	25.1	1.95
A7	23 May 2019	8	14.15	75.00	7.1	33.66	8.1	25.1	1.91
A7	23 May 2019	9	13.82	75.91	6.8	33.67	8.1	25.2	1.91
A7	23 May 2019	10	13.52	77.50	6.7	33.66	8.1	25.3	1.71
A7	23 May 2019	11	13.43	77.54	6.6	33.67	8.1	25.3	1.56
A7	23 May 2019	12	13.11	77.75	6.3	33.69	8.1	25.4	1.37
A7	23 May 2019	13	13.00	77.99	6.1	33.67	8.0	25.4	1.22
A7	23 May 2019	14	12.14	77.52	5.4	33.76	8.0	25.6	1.00
A7	23 May 2019	15	11.32	76.87	4.8	33.74	7.9	25.7	0.68
A7	23 May 2019	16	11.07	79.00	4.7	33.71	7.9	25.8	0.58
A7	23 May 2019	17	11.02	80.08	4.7	33.71	7.9	25.8	0.61
A7	23 May 2019	18	10.96	80.91	4.7	33.71	7.9	25.8	0.59
A7	23 May 2019	19	10.97	79.32	4.7	33.71	7.9	25.8	0.58
A7	23 May 2019	20	10.98	78.16	4.6	33.71	7.9	25.8	0.59
A7	29 May 2019	1	16.25	73.39	9.4	33.66	8.2	24.7	2.61
A7	29 May 2019	2	15.95	72.69	9.0	33.69	8.2	24.8	3.46
A7	29 May 2019	3	14.54	70.84	8.0	33.74	8.2	25.1	5.64
A7	29 May 2019	4	13.72	69.72	7.2	33.68	8.1	25.2	6.55
A7	29 May 2019	5	13.22	72.08	6.5	33.66	8.0	25.3	5.38
A7	29 May 2019	6	13.09	73.61	6.3	33.64	7.9	25.3	4.37
A7	29 May 2019	7	12.85	73.43	6.2	33.66	7.9	25.4	4.72
A7	29 May 2019	8	12.43	73.35	6.0	33.67	7.9	25.5	4.96
A7	29 May 2019	9	12.11	75.54	5.8	33.65	7.9	25.5	4.11
A7	29 May 2019	10	12.29	75.63	5.8	33.63	7.9	25.5	3.84
A7	29 May 2019	11	12.31	76.38	5.8	33.65	7.9	25.5	3.88
A7	29 May 2019	12	11.87	77.07	5.6	33.67	7.9	25.6	3.61
A7	29 May 2019	13	11.76	78.49	5.4	33.65	7.9	25.6	3.16
A7	29 May 2019	14	11.75	79.80	5.3	33.66	7.8	25.6	2.67
A7	29 May 2019	15	11.74	80.79	5.2	33.66	7.8	25.6	2.14
A7	29 May 2019	16	11.75	81.21	5.1	33.67	7.8	25.6	1.76
A7	29 May 2019	17	11.77	80.99	5.1	33.67	7.8	25.6	1.77
A7	29 May 2019	18	11.71	81.30	5.0	33.68	7.8	25.6	1.48
A7	29 May 2019	19	11.69	81.30	4.9	33.69	7.8	25.6	1.08
A7	29 May 2019	20	11.70	80.81	4.9	33.68	7.8	25.6	1.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C4	06 May 2019	1	16.49	80.38	8.9	33.65	8.2	24.6	1.35
C4	06 May 2019	2	15.91	80.10	8.5	33.66	8.2	24.7	1.60
C4	06 May 2019	3	15.48	79.62	8.1	33.67	8.2	24.8	1.85
C4	06 May 2019	4	14.88	79.56	7.8	33.66	8.2	25.0	1.95
C4	06 May 2019	5	14.25	80.80	7.3	33.66	8.1	25.1	1.78
C4	06 May 2019	6	13.78	81.38	7.0	33.65	8.1	25.2	1.48
C4	06 May 2019	7	13.51	82.28	6.6	33.64	8.0	25.2	1.22
C4	06 May 2019	8	13.14	82.98	6.3	33.65	8.0	25.3	0.95
C4	06 May 2019	9	12.78	83.17	5.9	33.65	8.0	25.4	0.77
C4	06 May 2019	10	12.57	82.99	5.7	33.65	8.0	25.4	0.64
C4	06 May 2019	11	12.48	82.28	5.6	33.64	7.9	25.4	0.58
C4	06 May 2019	12	12.47	81.98	5.6	33.64	7.9	25.4	0.54
C4	13 May 2019	1	17.06	83.77	8.8	33.62	8.2	24.4	0.90
C4	13 May 2019	2	16.96	83.65	8.7	33.62	8.2	24.5	1.00
C4	13 May 2019	3	16.86	83.27	8.6	33.62	8.2	24.5	1.15
C4	13 May 2019	4	16.70	82.89	8.4	33.62	8.2	24.5	1.20
C4	13 May 2019	5	16.45	82.91	8.2	33.62	8.2	24.6	1.15
C4	13 May 2019	6	16.07	82.90	7.9	33.63	8.1	24.7	0.98
C4	13 May 2019	7	15.60	82.59	7.6	33.62	8.1	24.8	0.86
C4	13 May 2019	8	14.83	81.90	6.9	33.67	8.1	25.0	0.77
C4	13 May 2019	9	14.12	80.32	6.3	33.65	8.0	25.1	0.65
C4	13 May 2019	10	13.77	76.96	6.0	33.62	8.0	25.2	0.58
C4	13 May 2019	11	13.60	72.75	5.9	33.63	8.0	25.2	0.57
C4	23 May 2019	1	14.45	41.87	8.1	33.56	8.1	25.0	1.22
C4	23 May 2019	2	14.45	39.56	8.0	33.66	8.1	25.1	1.24
C4	23 May 2019	3	14.44	37.58	8.0	33.66	8.1	25.1	1.26
C4	23 May 2019	4	14.43	37.75	7.9	33.66	8.1	25.1	1.29
C4	23 May 2019	5	14.44	37.92	7.9	33.65	8.1	25.1	1.33
C4	23 May 2019	6	14.38	37.02	7.4	33.66	8.1	25.1	1.23
C4	23 May 2019	7	13.21	42.59	6.3	33.77	8.0	25.4	1.07
C4	23 May 2019	8	13.00	42.85	5.7	33.64	7.9	25.3	0.83
C4	23 May 2019	9	12.22	45.24	5.0	33.78	7.9	25.6	0.74
C4	23 May 2019	10	11.96	42.56	4.4	33.69	7.9	25.6	0.65
C4	23 May 2019	11	11.99	32.98	4.4	33.68	7.9	25.6	0.66
C4	29 May 2019	1	16.45	62.91	9.4	33.68	8.2	24.6	4.71
C4	29 May 2019	2	16.45	61.81	9.3	33.68	8.2	24.6	4.96
C4	29 May 2019	3	16.42	61.76	9.1	33.68	8.2	24.6	5.44
C4	29 May 2019	4	16.00	62.41	9.0	33.71	8.2	24.8	5.74
C4	29 May 2019	5	15.35	65.54	8.8	33.70	8.2	24.9	5.20
C4	29 May 2019	6	15.05	66.83	8.4	33.66	8.2	24.9	4.13
C4	29 May 2019	7	14.50	71.42	7.6	33.69	8.1	25.1	3.21
C4	29 May 2019	8	13.87	74.80	6.6	33.69	8.0	25.2	2.16
C4	29 May 2019	9	13.41	74.18	5.8	33.66	7.9	25.3	1.36
C4	29 May 2019	10	13.29	71.29	5.7	33.64	7.9	25.3	1.07
C4	29 May 2019	11	13.55	68.86	6.0	33.63	8.0	25.2	1.42
C5	06 May 2019	1	16.83	78.80	8.6	33.64	8.2	24.5	0.83
C5	06 May 2019	2	16.44	78.83	8.5	33.66	8.2	24.6	0.94
C5	06 May 2019	3	16.09	80.10	8.2	33.64	8.2	24.7	1.14
C5	06 May 2019	4	15.37	80.59	7.7	33.69	8.2	24.9	1.29
C5	06 May 2019	5	14.39	80.89	7.3	33.67	8.1	25.1	1.25
C5	06 May 2019	6	14.21	82.38	7.2	33.63	8.1	25.1	1.05
C5	06 May 2019	7	14.11	82.99	7.2	33.63	8.1	25.1	0.88
C5	06 May 2019	8	13.85	83.72	6.9	33.65	8.1	25.2	0.68
C5	06 May 2019	9	13.63	84.24	6.8	33.62	8.0	25.2	0.49
C5	06 May 2019	10	13.26	83.86	6.6	33.66	8.0	25.3	0.46
C5	13 May 2019	1	17.50	67.68	8.0	33.62	8.1	24.3	0.98

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C5	13 May 2019	2	17.38	67.79	8.0	33.62	8.2	24.4	1.10
C5	13 May 2019	3	17.19	68.20	8.0	33.63	8.2	24.4	1.15
C5	13 May 2019	4	16.80	69.25	7.9	33.63	8.2	24.5	1.11
C5	13 May 2019	5	16.41	70.52	7.6	33.64	8.1	24.6	1.00
C5	13 May 2019	6	16.02	71.26	7.2	33.65	8.1	24.7	0.92
C5	13 May 2019	7	14.41	74.65	6.7	33.68	8.1	25.1	0.83
C5	13 May 2019	8	14.24	75.91	6.6	33.62	8.0	25.1	0.78
C5	13 May 2019	9	14.23	74.59	6.6	33.61	8.0	25.1	0.74
C5	23 May 2019	1	14.42	68.05	7.6	33.65	8.1	25.1	1.79
C5	23 May 2019	2	14.42	64.20	7.6	33.65	8.1	25.1	1.88
C5	23 May 2019	3	14.41	68.17	7.6	33.65	8.1	25.1	2.00
C5	23 May 2019	4	14.41	68.78	7.6	33.65	8.1	25.1	2.05
C5	23 May 2019	5	14.41	69.31	7.6	33.66	8.1	25.1	2.14
C5	23 May 2019	6	14.34	66.76	7.4	33.66	8.1	25.1	2.08
C5	23 May 2019	7	13.83	63.45	7.1	33.69	8.1	25.2	1.72
C5	23 May 2019	8	13.53	62.69	6.3	33.76	8.0	25.3	1.32
C5	23 May 2019	9	12.20	47.24	5.2	33.74	8.0	25.6	0.99
C5	23 May 2019	10	11.72	46.12	4.7	33.71	7.9	25.6	0.80
C5	23 May 2019	11	11.70	38.93	4.6	33.69	7.9	25.6	0.72
C5	29 May 2019	1	16.78	69.90	9.2	33.68	8.3	24.6	1.48
C5	29 May 2019	2	16.76	69.36	9.1	33.68	8.3	24.6	1.66
C5	29 May 2019	3	16.40	70.49	8.7	33.71	8.2	24.7	1.85
C5	29 May 2019	4	15.94	68.47	8.5	33.68	8.2	24.7	2.30
C5	29 May 2019	5	15.73	67.88	8.0	33.70	8.2	24.8	2.37
C5	29 May 2019	6	14.41	69.00	7.2	33.74	8.1	25.1	2.62
C5	29 May 2019	7	13.43	73.19	6.7	33.70	8.0	25.3	2.93
C5	29 May 2019	8	13.13	77.08	6.7	33.65	8.0	25.3	3.19
C5	29 May 2019	9	13.47	77.00	6.5	33.66	8.0	25.3	2.95
C5	29 May 2019	10	12.55	73.74	5.9	33.66	7.9	25.4	2.39
C5	29 May 2019	11	12.55	72.55	5.9	33.66	7.9	25.4	2.16
C6	06 May 2019	1	17.49	80.06	8.9	33.64	8.3	24.4	0.68
C6	06 May 2019	2	17.17	81.24	8.6	33.69	8.3	24.5	0.72
C6	06 May 2019	3	15.91	81.25	8.3	33.73	8.2	24.8	0.87
C6	06 May 2019	4	15.46	81.00	8.2	33.66	8.2	24.8	1.10
C6	06 May 2019	5	15.00	81.25	7.8	33.70	8.2	25.0	1.12
C6	06 May 2019	6	14.03	81.91	7.5	33.68	8.1	25.2	1.08
C6	06 May 2019	7	13.46	83.06	7.1	33.67	8.1	25.3	0.85
C6	06 May 2019	8	13.27	83.40	6.8	33.63	8.0	25.3	0.61
C6	06 May 2019	9	13.21	82.91	6.7	33.63	8.0	25.3	0.49
C6	06 May 2019	10	13.19	82.46	6.7	33.63	8.0	25.3	0.46
C6	13 May 2019	1	17.68	74.51	8.2	33.62	8.2	24.3	0.90
C6	13 May 2019	2	17.65	74.49	8.2	33.62	8.2	24.3	0.99
C6	13 May 2019	3	17.46	74.63	8.1	33.63	8.2	24.4	1.05
C6	13 May 2019	4	17.05	75.25	8.3	33.63	8.2	24.5	1.20
C6	13 May 2019	5	16.62	76.56	8.0	33.64	8.2	24.6	1.26
C6	13 May 2019	6	16.08	77.17	7.3	33.66	8.1	24.7	0.94
C6	13 May 2019	7	14.69	77.07	6.8	33.71	8.1	25.0	0.72
C6	13 May 2019	8	13.94	76.65	6.7	33.64	8.0	25.2	0.61
C6	13 May 2019	9	13.88	75.50	6.8	33.62	8.0	25.1	0.56
C6	23 May 2019	1	14.24	70.07	7.7	33.65	8.1	25.1	1.40
C6	23 May 2019	2	14.25	70.12	7.6	33.65	8.1	25.1	1.53
C6	23 May 2019	3	14.24	70.38	7.5	33.66	8.1	25.1	1.60
C6	23 May 2019	4	14.01	69.80	7.2	33.68	8.1	25.2	1.59
C6	23 May 2019	5	13.80	69.75	6.9	33.68	8.1	25.2	1.53
C6	23 May 2019	6	13.64	70.74	6.5	33.68	8.1	25.2	1.40
C6	23 May 2019	7	12.71	70.15	5.6	33.76	8.0	25.5	1.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C6	23 May 2019	8	11.46	69.89	4.9	33.76	7.9	25.7	0.88
C6	23 May 2019	9	11.43	69.94	4.7	33.71	7.9	25.7	0.72
C6	23 May 2019	10	11.57	69.66	5.0	33.68	7.9	25.6	0.62
C6	29 May 2019	1	16.54	72.43	9.7	33.67	8.3	24.6	1.99
C6	29 May 2019	2	16.51	72.29	9.8	33.68	8.3	24.6	2.22
C6	29 May 2019	3	16.30	71.95	9.5	33.69	8.3	24.7	2.70
C6	29 May 2019	4	15.28	71.26	8.9	33.70	8.2	24.9	3.76
C6	29 May 2019	5	14.95	72.24	8.2	33.69	8.2	25.0	4.19
C6	29 May 2019	6	13.71	73.93	7.3	33.72	8.1	25.3	4.00
C6	29 May 2019	7	13.13	76.61	6.7	33.68	8.0	25.3	3.33
C6	29 May 2019	8	12.81	79.43	6.3	33.67	8.0	25.4	2.14
C6	29 May 2019	9	12.67	79.65	6.1	33.65	7.9	25.4	1.17
C7	06 May 2019	1	17.00	81.40	8.6	33.63	8.2	24.5	1.05
C7	06 May 2019	2	16.97	81.37	8.5	33.63	8.2	24.5	1.13
C7	06 May 2019	3	16.95	81.14	8.4	33.63	8.2	24.5	1.28
C7	06 May 2019	4	16.79	81.24	8.3	33.65	8.2	24.5	1.40
C7	06 May 2019	5	16.65	81.39	8.2	33.65	8.2	24.6	1.44
C7	06 May 2019	6	16.47	81.40	8.1	33.66	8.2	24.6	1.55
C7	06 May 2019	7	15.86	81.25	7.9	33.67	8.2	24.8	1.74
C7	06 May 2019	8	15.28	80.79	7.6	33.68	8.1	24.9	2.11
C7	06 May 2019	9	14.19	80.34	7.2	33.67	8.1	25.1	2.26
C7	06 May 2019	10	13.72	80.03	6.9	33.64	8.1	25.2	2.39
C7	06 May 2019	11	13.52	80.33	6.8	33.63	8.0	25.2	2.30
C7	06 May 2019	12	13.34	80.65	6.7	33.63	8.0	25.3	2.19
C7	06 May 2019	13	13.27	81.07	6.6	33.62	8.0	25.3	2.12
C7	06 May 2019	14	13.17	81.31	6.5	33.63	8.0	25.3	2.00
C7	06 May 2019	15	12.98	81.68	6.2	33.65	8.0	25.3	1.74
C7	06 May 2019	16	12.17	82.66	5.6	33.70	8.0	25.5	1.15
C7	06 May 2019	17	11.61	84.08	5.2	33.67	7.9	25.6	0.71
C7	06 May 2019	18	11.55	84.85	5.2	33.66	7.9	25.6	0.57
C7	13 May 2019	1	17.35	82.38	8.5	33.63	8.2	24.4	1.20
C7	13 May 2019	2	17.34	82.33	8.5	33.63	8.2	24.4	1.29
C7	13 May 2019	3	17.32	82.30	8.5	33.63	8.2	24.4	1.44
C7	13 May 2019	4	17.25	82.13	8.4	33.63	8.2	24.4	1.51
C7	13 May 2019	5	17.19	81.87	8.4	33.63	8.2	24.4	1.64
C7	13 May 2019	6	17.15	81.53	8.4	33.63	8.2	24.4	1.66
C7	13 May 2019	7	17.13	81.29	8.4	33.62	8.2	24.4	1.71
C7	13 May 2019	8	16.94	81.29	8.5	33.63	8.2	24.5	1.83
C7	13 May 2019	9	16.85	80.82	8.4	33.62	8.2	24.5	1.96
C7	13 May 2019	10	16.53	80.08	8.3	33.64	8.2	24.6	2.25
C7	13 May 2019	11	16.34	79.29	8.2	33.61	8.2	24.6	2.67
C7	13 May 2019	12	16.01	76.98	8.2	33.63	8.2	24.7	2.84
C7	13 May 2019	13	15.94	76.37	8.1	33.62	8.1	24.7	2.88
C7	13 May 2019	14	15.68	76.93	8.0	33.61	8.1	24.8	2.88
C7	13 May 2019	15	15.66	78.63	7.6	33.60	8.1	24.7	2.76
C7	13 May 2019	16	13.67	78.18	6.3	33.80	8.1	25.3	2.29
C7	13 May 2019	17	12.55	78.97	5.7	33.65	7.9	25.4	1.34
C7	23 May 2019	1	15.06	66.30	7.7	33.61	8.2	24.9	2.21
C7	23 May 2019	2	15.06	66.26	7.7	33.61	8.2	24.9	2.43
C7	23 May 2019	3	15.06	65.23	7.7	33.61	8.2	24.9	2.52
C7	23 May 2019	4	15.04	66.16	7.6	33.62	8.2	24.9	2.60
C7	23 May 2019	5	15.04	66.56	7.6	33.61	8.1	24.9	2.64
C7	23 May 2019	6	14.68	67.99	7.2	33.67	8.1	25.0	2.51
C7	23 May 2019	7	13.98	68.91	6.8	33.69	8.1	25.2	1.95
C7	23 May 2019	8	13.16	69.00	6.2	33.72	8.0	25.4	1.48
C7	23 May 2019	9	12.35	71.59	5.8	33.70	8.0	25.5	1.16
C7	23 May 2019	10	12.19	74.45	5.3	33.72	7.9	25.6	1.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C7	23 May 2019	11	11.09	76.47	4.8	33.73	7.9	25.8	0.87
C7	23 May 2019	12	10.89	76.90	4.5	33.71	7.9	25.8	0.77
C7	23 May 2019	13	10.80	75.52	4.4	33.71	7.9	25.8	0.69
C7	23 May 2019	14	10.70	70.77	4.3	33.72	7.8	25.8	0.66
C7	23 May 2019	15	10.71	65.36	4.2	33.72	7.8	25.8	0.61
C7	23 May 2019	16	10.69	63.52	4.2	33.73	7.8	25.8	0.60
C7	23 May 2019	17	10.68	62.56	4.2	33.73	7.8	25.8	0.67
C7	23 May 2019	18	10.70	63.01	4.2	33.73	7.8	25.8	0.65
C7	29 May 2019	1	16.28	66.50	10.3	33.66	8.3	24.7	4.61
C7	29 May 2019	2	16.29	66.66	10.3	33.66	8.3	24.7	4.90
C7	29 May 2019	3	16.13	68.19	9.9	33.67	8.3	24.7	5.51
C7	29 May 2019	4	16.07	67.66	9.7	33.66	8.2	24.7	6.61
C7	29 May 2019	5	16.06	66.73	9.6	33.66	8.2	24.7	7.23
C7	29 May 2019	6	15.77	67.02	9.2	33.68	8.2	24.8	7.33
C7	29 May 2019	7	15.25	67.53	8.3	33.70	8.2	24.9	7.05
C7	29 May 2019	8	13.78	69.80	7.1	33.75	8.1	25.3	6.08
C7	29 May 2019	9	12.84	75.78	6.2	33.71	8.0	25.4	4.59
C7	29 May 2019	10	12.27	78.50	5.9	33.68	7.9	25.5	3.55
C7	29 May 2019	11	12.73	78.54	6.1	33.63	7.9	25.4	3.39
C7	29 May 2019	12	12.04	80.45	5.8	33.74	7.9	25.6	3.29
C7	29 May 2019	13	11.73	81.15	5.4	33.69	7.9	25.6	2.71
C7	29 May 2019	14	11.56	82.12	5.2	33.69	7.9	25.6	2.30
C7	29 May 2019	15	11.37	83.08	5.0	33.69	7.8	25.7	2.00
C7	29 May 2019	16	11.30	83.65	4.9	33.70	7.8	25.7	1.82
C7	29 May 2019	17	11.10	83.82	4.7	33.71	7.8	25.8	1.28
C7	29 May 2019	18	11.10	83.24	4.6	33.71	7.8	25.8	0.94
C8	06 May 2019	1	16.48	79.74	8.2	33.64	8.2	24.6	1.19
C8	06 May 2019	2	16.45	79.77	8.2	33.64	8.2	24.6	1.28
C8	06 May 2019	3	16.42	79.74	8.1	33.64	8.2	24.6	1.41
C8	06 May 2019	4	16.34	79.46	8.2	33.64	8.2	24.6	1.63
C8	06 May 2019	5	16.22	78.95	8.1	33.65	8.2	24.7	2.02
C8	06 May 2019	6	16.04	77.96	8.0	33.64	8.2	24.7	2.42
C8	06 May 2019	7	15.60	77.84	7.8	33.66	8.1	24.8	2.81
C8	06 May 2019	8	14.87	78.01	7.5	33.68	8.1	25.0	3.12
C8	06 May 2019	9	14.17	77.24	7.4	33.63	8.1	25.1	3.69
C8	06 May 2019	10	14.09	76.51	7.3	33.62	8.1	25.1	3.89
C8	06 May 2019	11	13.72	76.59	7.2	33.64	8.1	25.2	3.78
C8	06 May 2019	12	13.43	77.70	7.0	33.62	8.1	25.2	3.32
C8	06 May 2019	13	13.18	78.83	6.7	33.64	8.0	25.3	2.61
C8	06 May 2019	14	12.91	80.78	6.4	33.64	8.0	25.4	1.96
C8	06 May 2019	15	12.61	82.48	6.2	33.65	8.0	25.4	1.49
C8	06 May 2019	16	12.34	83.31	5.8	33.66	8.0	25.5	1.18
C8	06 May 2019	17	11.89	84.08	5.4	33.67	7.9	25.6	0.89
C8	06 May 2019	18	11.57	84.45	5.1	33.66	7.9	25.6	0.63
C8	06 May 2019	19	11.46	84.23	5.0	33.66	7.9	25.6	0.51
C8	06 May 2019	20	11.43	84.17	5.0	33.66	7.9	25.7	0.51
C8	13 May 2019	1	17.84	82.72	8.4	33.63	8.2	24.3	1.17
C8	13 May 2019	2	17.84	82.77	8.4	33.63	8.2	24.3	1.23
C8	13 May 2019	3	17.80	82.64	8.3	33.64	8.2	24.3	1.34
C8	13 May 2019	4	17.69	82.41	8.3	33.63	8.2	24.3	1.61
C8	13 May 2019	5	17.45	82.36	8.1	33.64	8.2	24.4	1.91
C8	13 May 2019	6	16.53	81.46	8.1	33.69	8.2	24.6	2.76
C8	13 May 2019	7	15.67	78.80	8.1	33.64	8.2	24.8	3.41
C8	13 May 2019	8	15.62	77.28	8.1	33.60	8.1	24.8	3.81
C8	13 May 2019	9	15.38	76.87	7.8	33.63	8.1	24.8	3.97
C8	13 May 2019	10	14.98	77.15	7.4	33.63	8.1	24.9	3.59
C8	13 May 2019	11	14.49	78.91	7.2	33.63	8.1	25.0	3.00
C8	13 May 2019	12	14.26	80.08	6.9	33.65	8.1	25.1	2.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
C8	13 May 2019	13	13.34	80.77	6.5	33.67	8.0	25.3	2.53
C8	13 May 2019	14	12.87	81.53	6.4	33.64	8.0	25.4	2.22
C8	13 May 2019	15	13.28	82.76	6.2	33.63	8.0	25.3	2.07
C8	13 May 2019	16	12.27	82.85	5.8	33.65	7.9	25.5	1.58
C8	13 May 2019	17	12.25	82.76	5.7	33.64	7.9	25.5	1.26
C8	13 May 2019	18	12.20	82.54	5.7	33.64	7.9	25.5	1.21
C8	13 May 2019	19	12.21	82.28	5.7	33.64	7.9	25.5	1.14
C8	23 May 2019	1	15.32	54.93	7.7	33.44	8.1	24.7	2.82
C8	23 May 2019	2	15.32	61.47	7.7	33.49	8.1	24.7	3.13
C8	23 May 2019	3	15.32	64.33	7.7	33.61	8.1	24.8	3.18
C8	23 May 2019	4	15.30	64.41	7.5	33.61	8.1	24.8	3.17
C8	23 May 2019	5	14.71	65.87	6.6	33.69	8.1	25.0	2.84
C8	23 May 2019	6	12.47	69.98	5.6	33.80	8.0	25.6	1.98
C8	23 May 2019	7	11.42	75.91	5.0	33.73	7.9	25.7	1.33
C8	23 May 2019	8	11.43	77.31	4.8	33.68	7.9	25.7	0.99
C8	23 May 2019	9	10.94	75.87	4.6	33.71	7.9	25.8	0.83
C8	23 May 2019	10	10.81	76.42	4.5	33.70	7.9	25.8	0.72
C8	23 May 2019	11	10.76	76.30	4.5	33.70	7.9	25.8	0.68
C8	23 May 2019	12	10.78	80.20	4.5	33.70	7.9	25.8	0.66
C8	23 May 2019	13	10.73	77.22	4.5	33.72	7.9	25.8	0.69
C8	23 May 2019	14	10.67	72.58	4.4	33.73	7.8	25.8	0.62
C8	23 May 2019	15	10.69	73.13	4.3	33.73	7.8	25.8	0.59
C8	23 May 2019	16	10.60	72.77	4.2	33.75	7.8	25.9	0.61
C8	23 May 2019	17	10.59	58.59	4.2	33.75	7.8	25.9	0.63
C8	23 May 2019	18	10.59	38.80	4.2	33.75	7.8	25.9	0.75
C8	29 May 2019	1	16.12	66.21	9.8	33.66	8.2	24.7	5.20
C8	29 May 2019	2	16.11	66.13	9.8	33.66	8.2	24.7	5.67
C8	29 May 2019	3	16.07	66.08	9.8	33.66	8.2	24.7	7.02
C8	29 May 2019	4	16.04	66.15	9.7	33.66	8.2	24.7	7.95
C8	29 May 2019	5	16.02	65.53	9.6	33.66	8.2	24.7	8.72
C8	29 May 2019	6	15.85	64.46	9.2	33.67	8.2	24.8	9.92
C8	29 May 2019	7	15.30	64.61	8.5	33.70	8.2	24.9	10.11
C8	29 May 2019	8	13.93	67.71	7.5	33.72	8.1	25.2	8.35
C8	29 May 2019	9	13.50	70.42	7.0	33.66	8.0	25.3	6.85
C8	29 May 2019	10	13.60	69.41	7.1	33.65	8.0	25.2	6.75
C8	29 May 2019	11	13.01	68.96	7.2	33.66	8.0	25.4	7.73
C8	29 May 2019	12	12.92	70.89	6.9	33.66	8.0	25.4	7.66
C8	29 May 2019	13	12.58	73.07	6.5	33.64	8.0	25.4	6.77
C8	29 May 2019	14	12.33	75.16	6.1	33.70	8.0	25.5	6.08
C8	29 May 2019	15	12.07	77.11	5.8	33.66	7.9	25.5	4.61
C8	29 May 2019	16	11.94	78.09	5.6	33.67	7.9	25.6	4.06
C8	29 May 2019	17	11.79	78.78	5.4	33.67	7.9	25.6	3.10
C8	29 May 2019	18	11.70	79.49	5.2	33.68	7.9	25.6	2.42
C8	29 May 2019	19	11.64	79.53	5.2	33.68	7.8	25.6	1.86

NA = not available

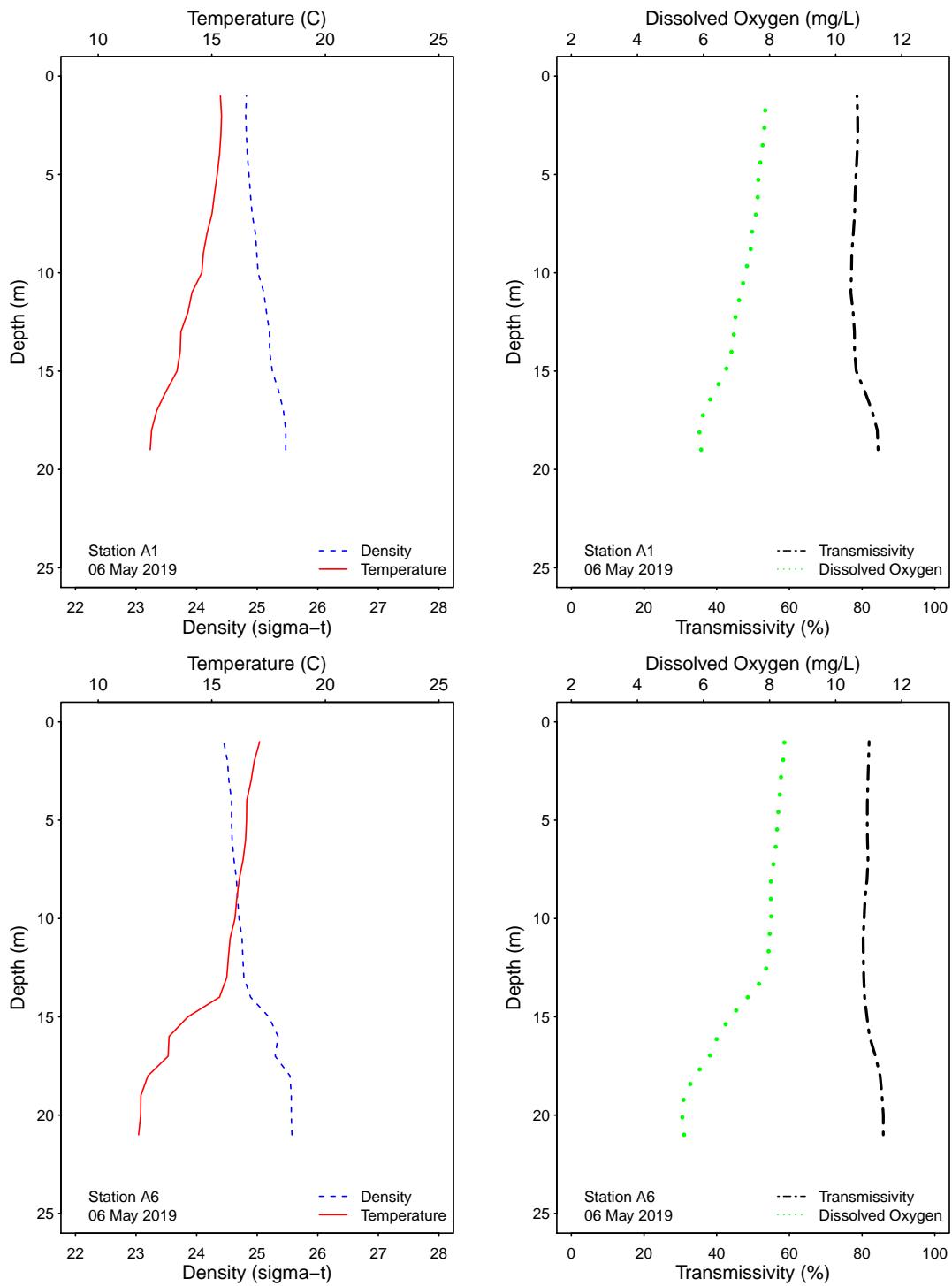


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

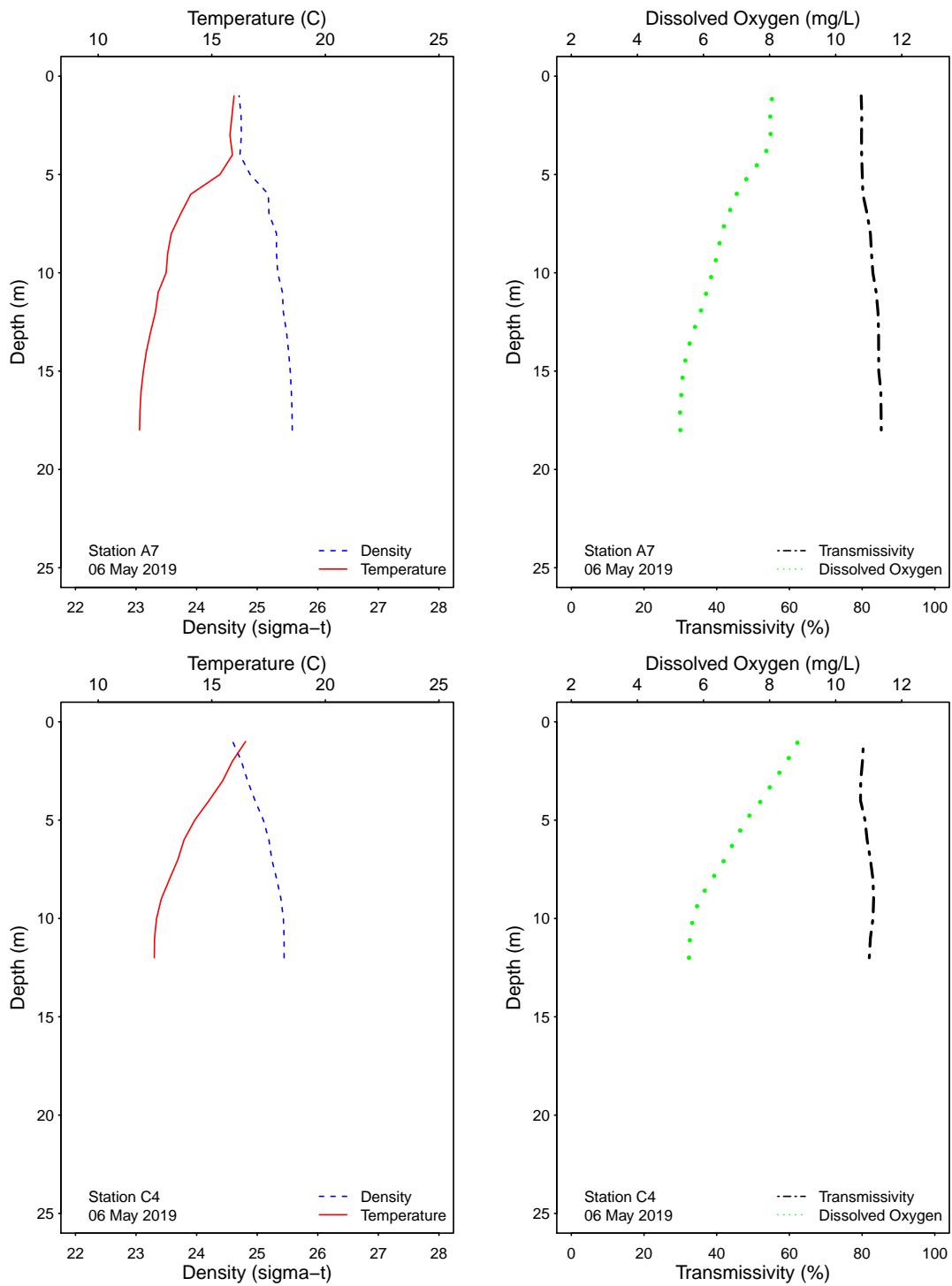


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

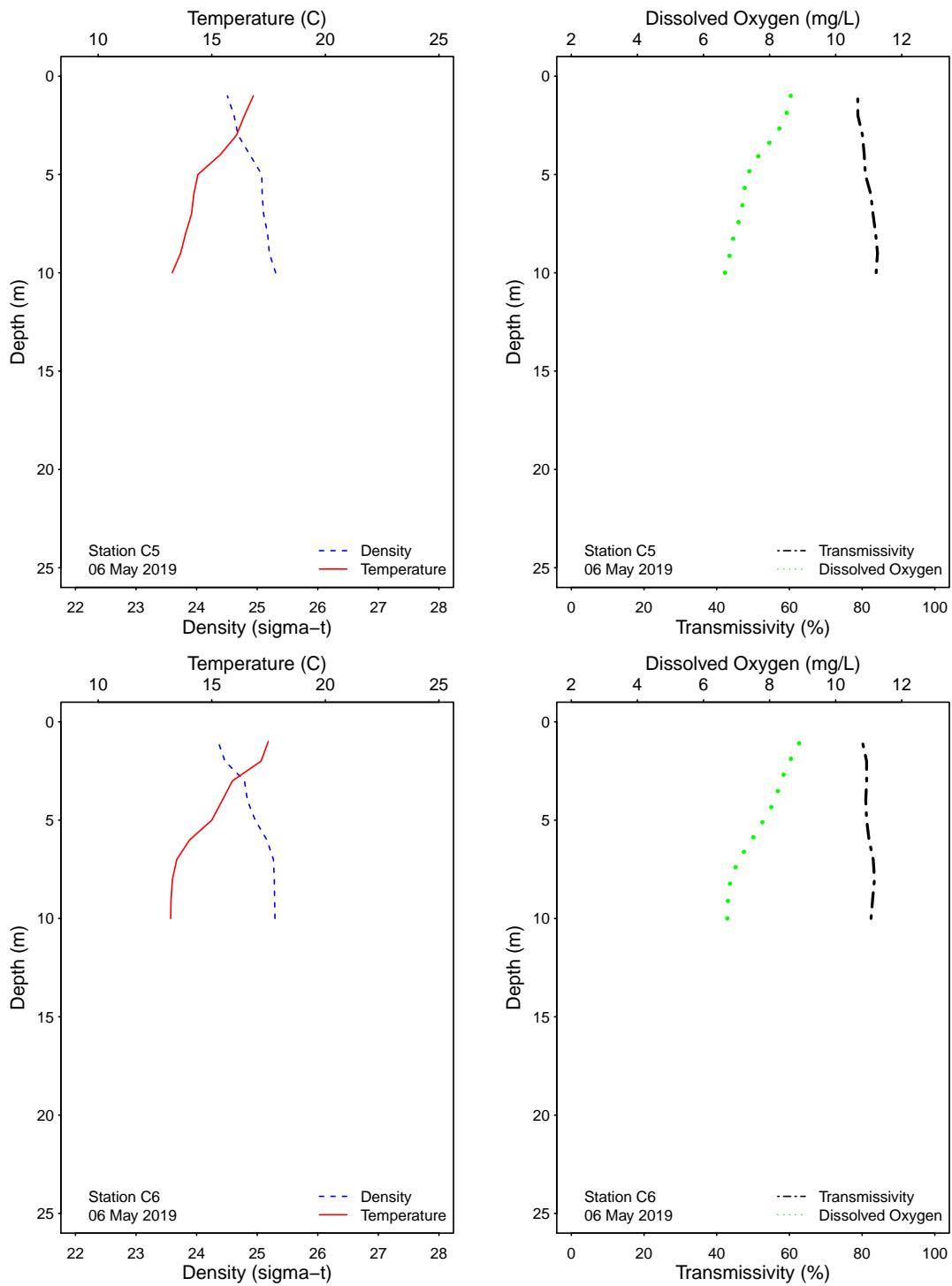


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

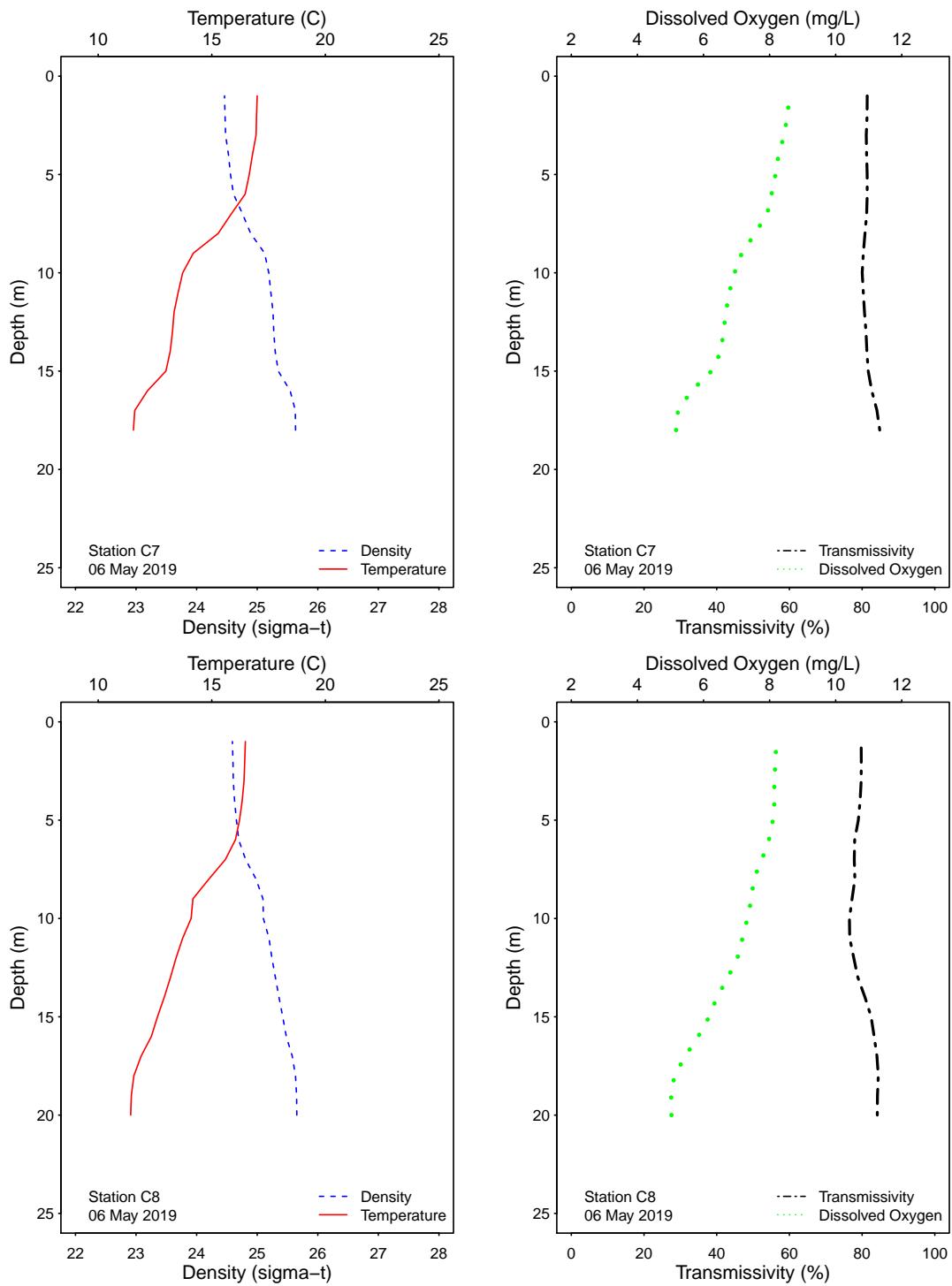


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

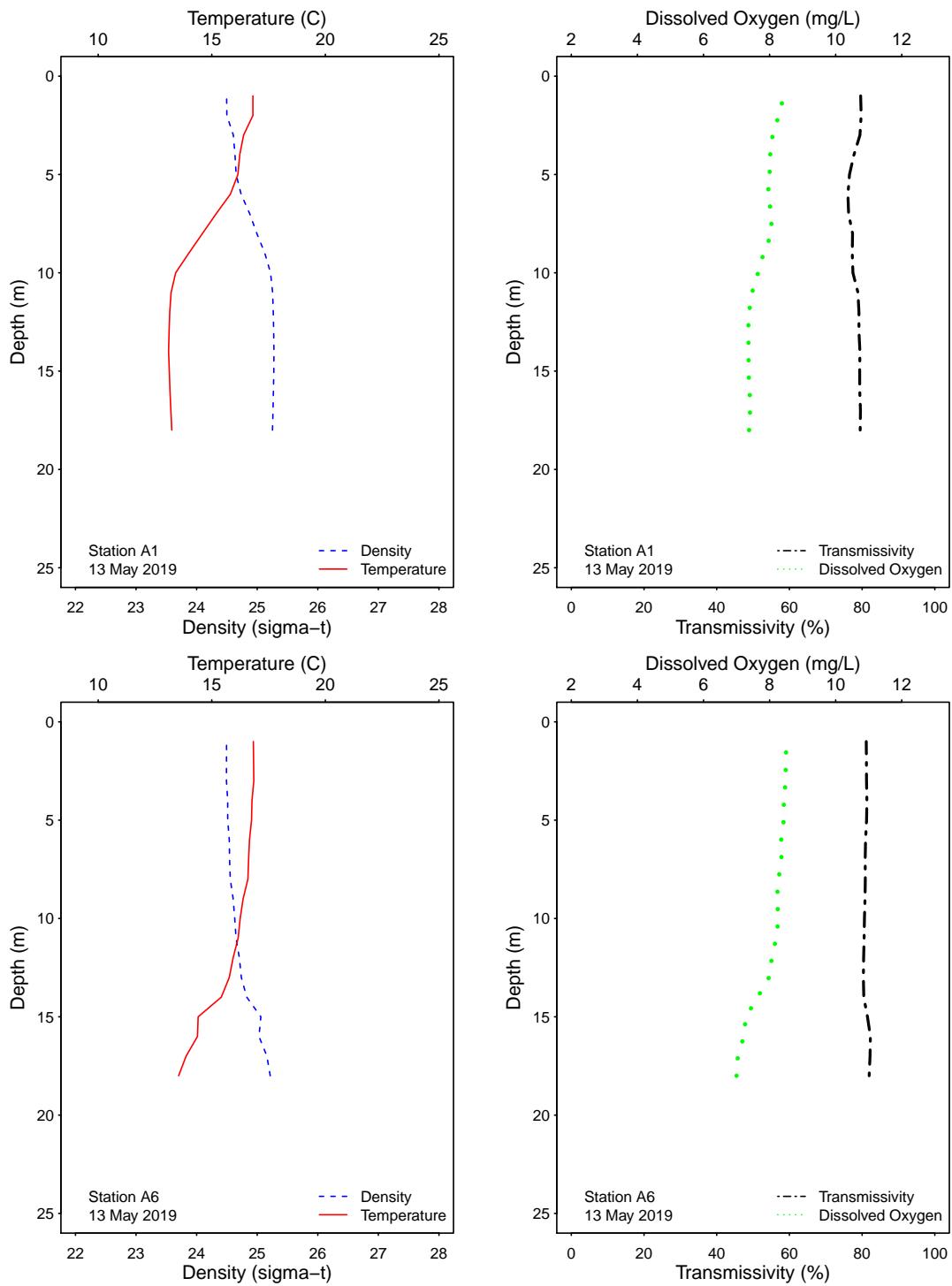


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

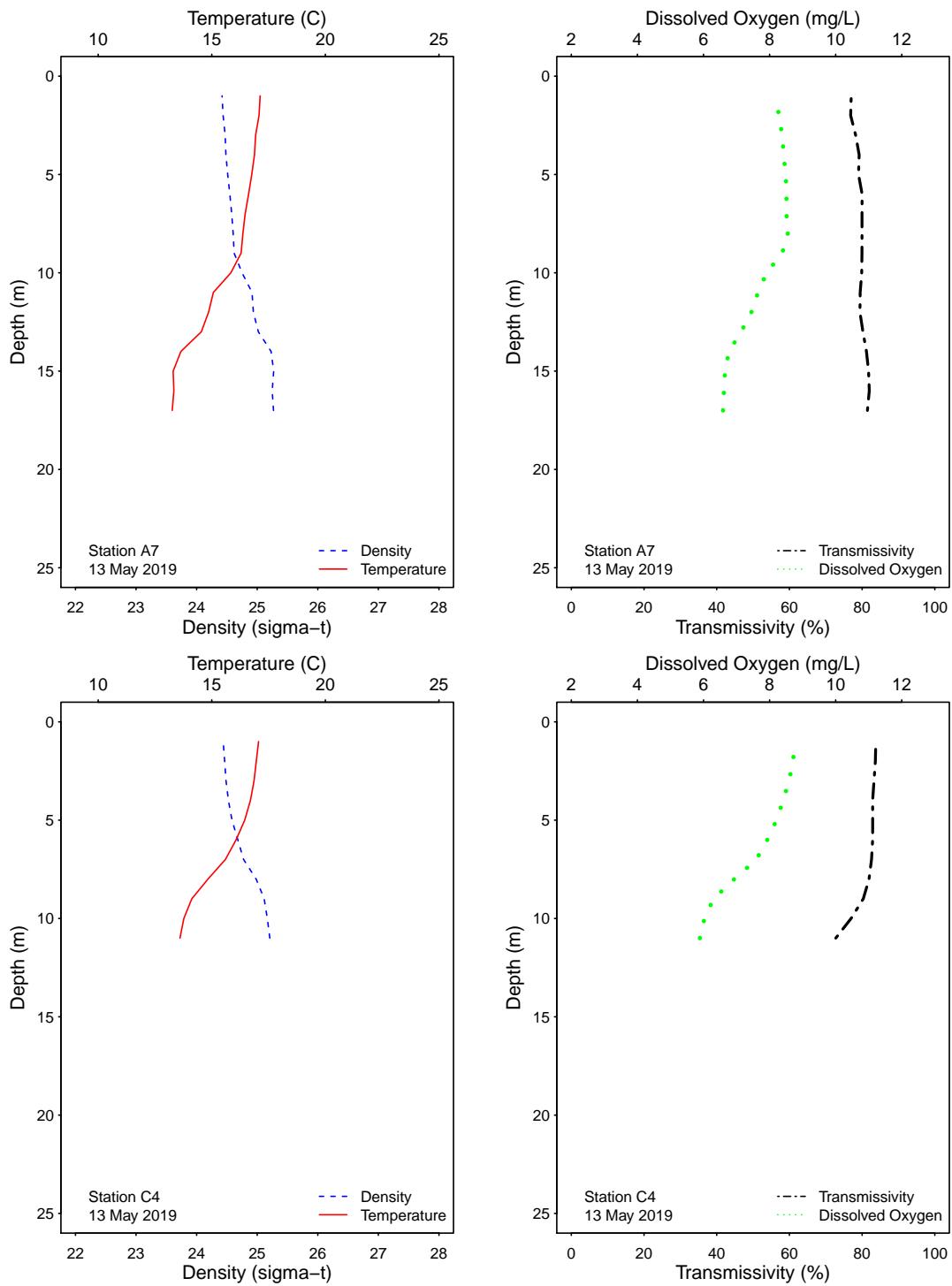


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

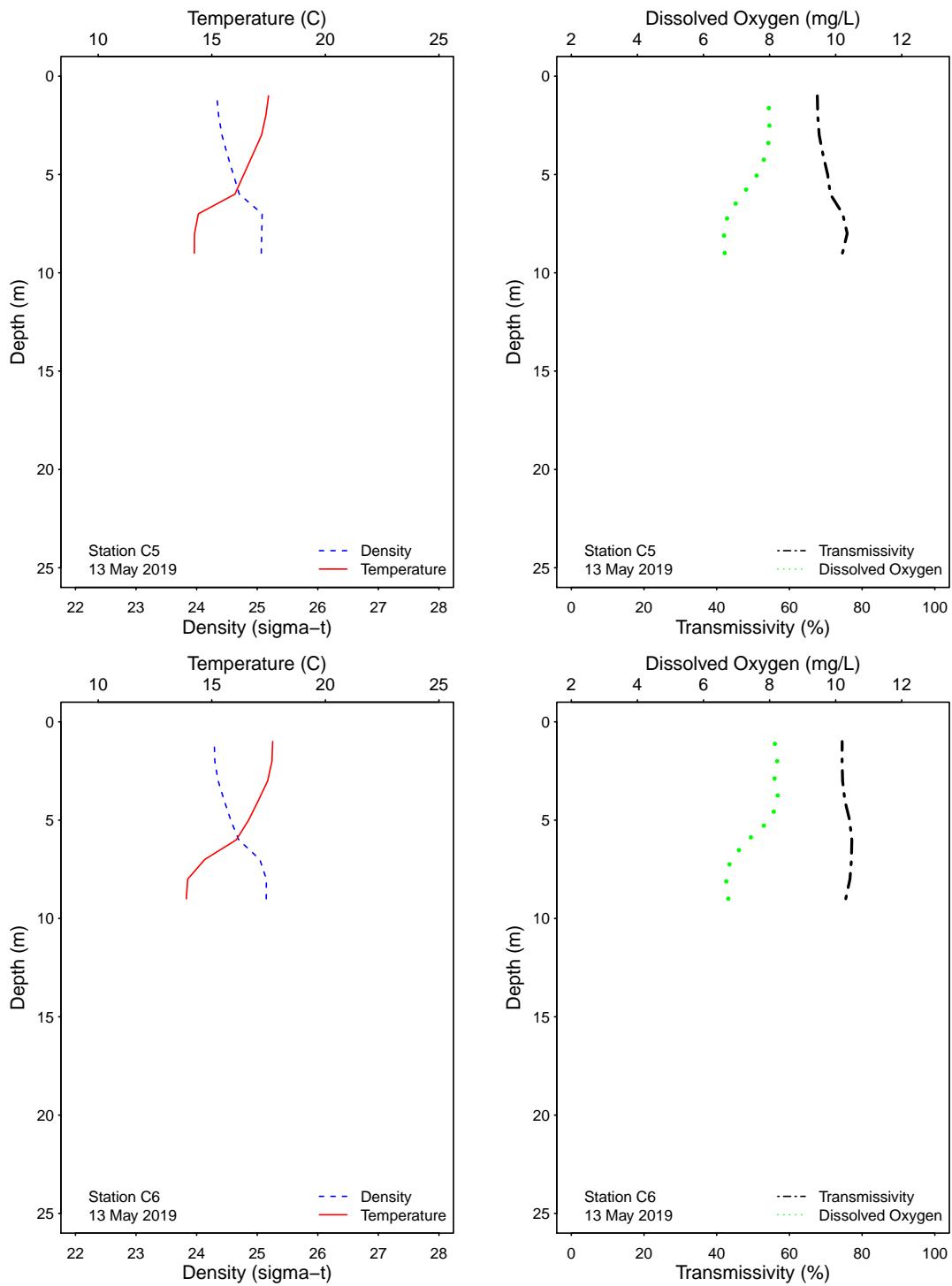


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

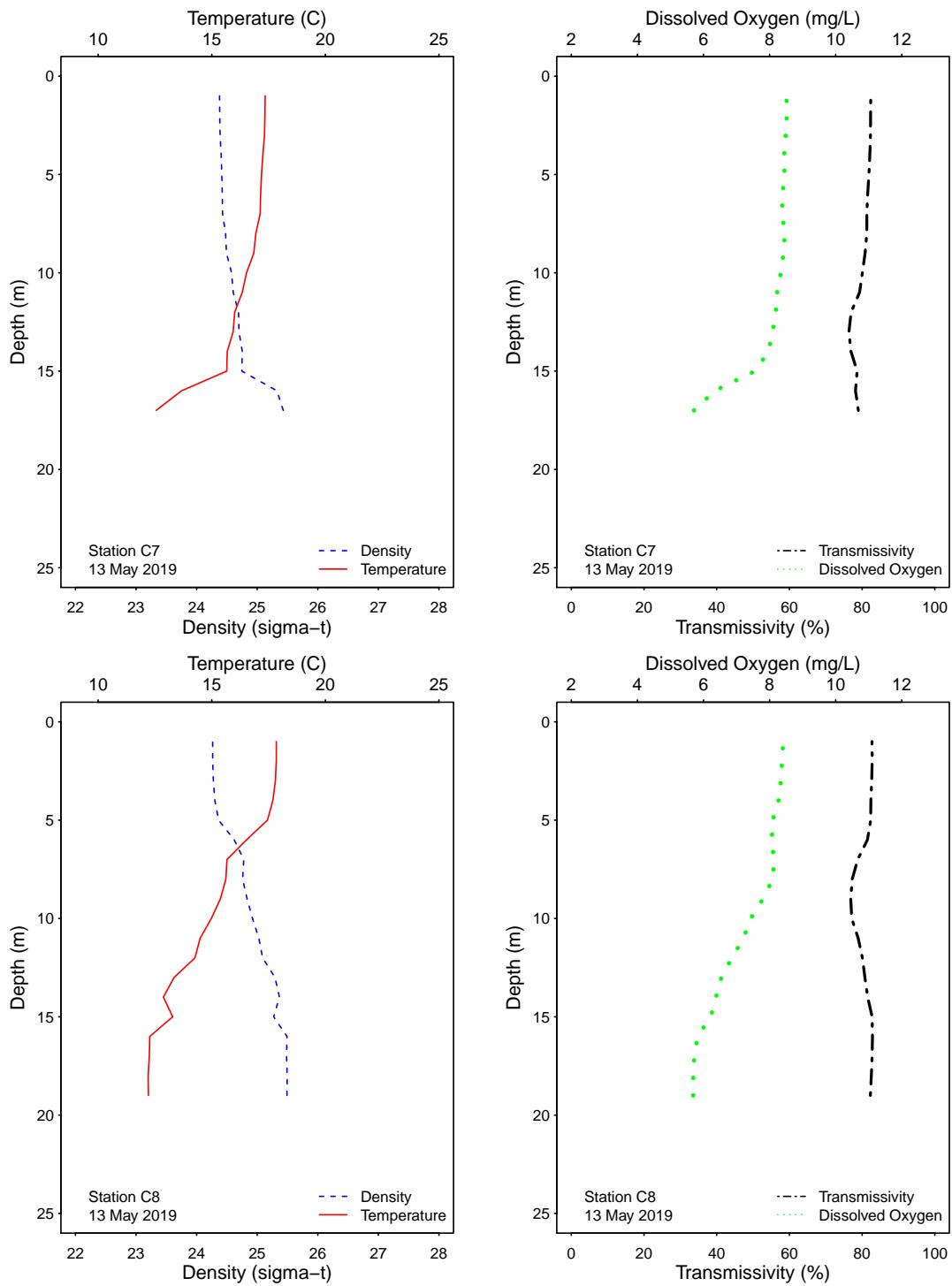


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

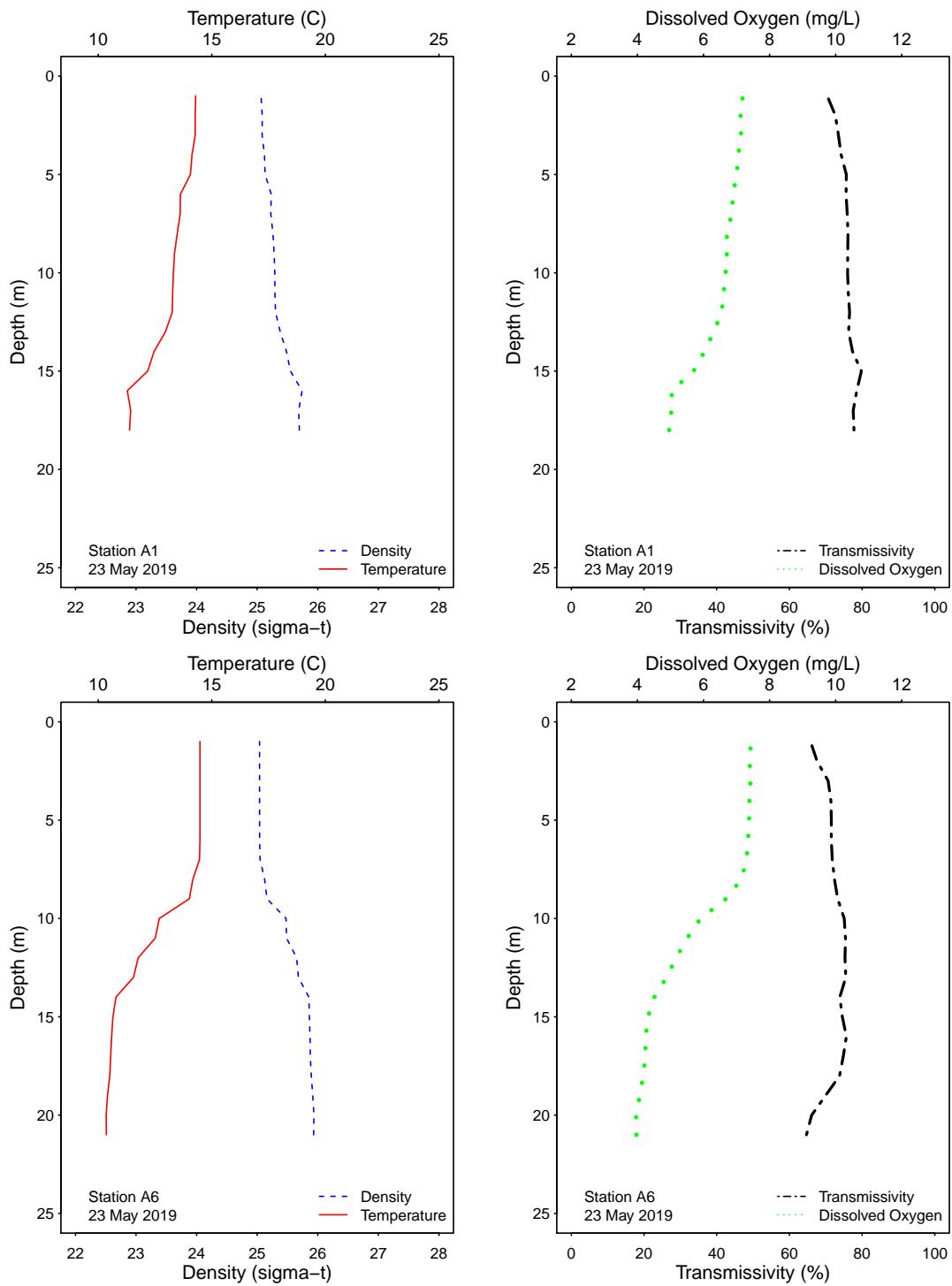


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

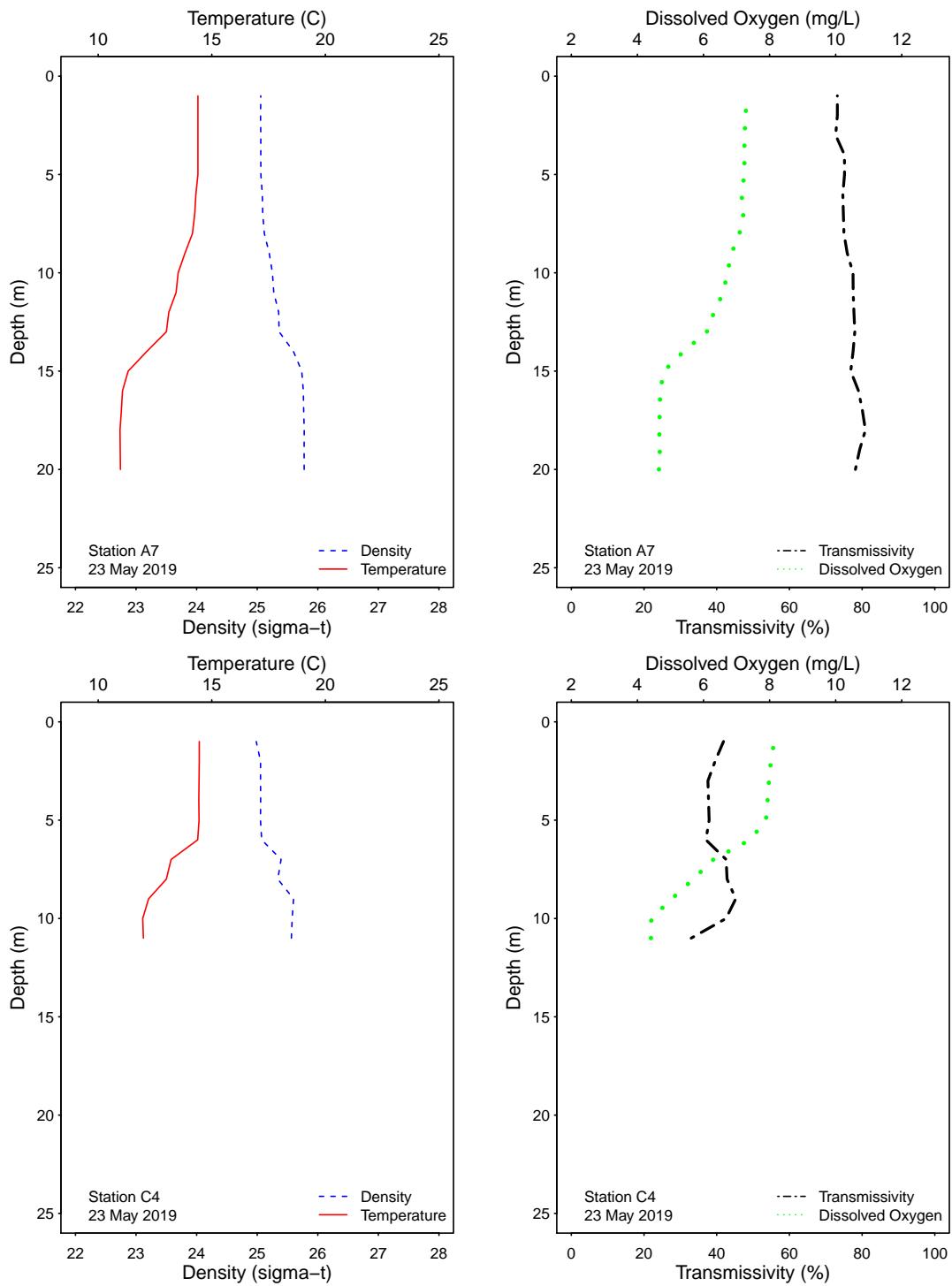


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

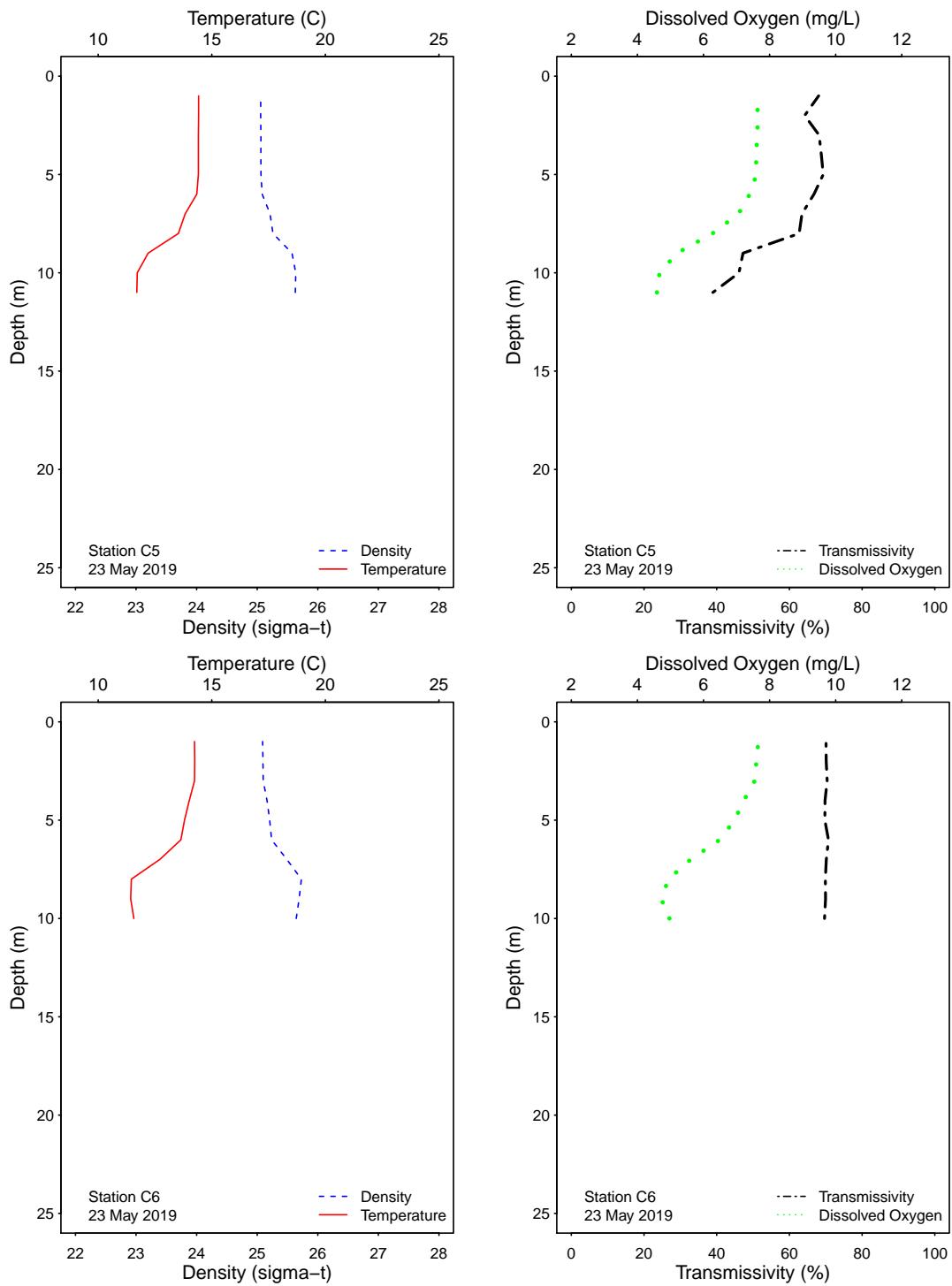


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

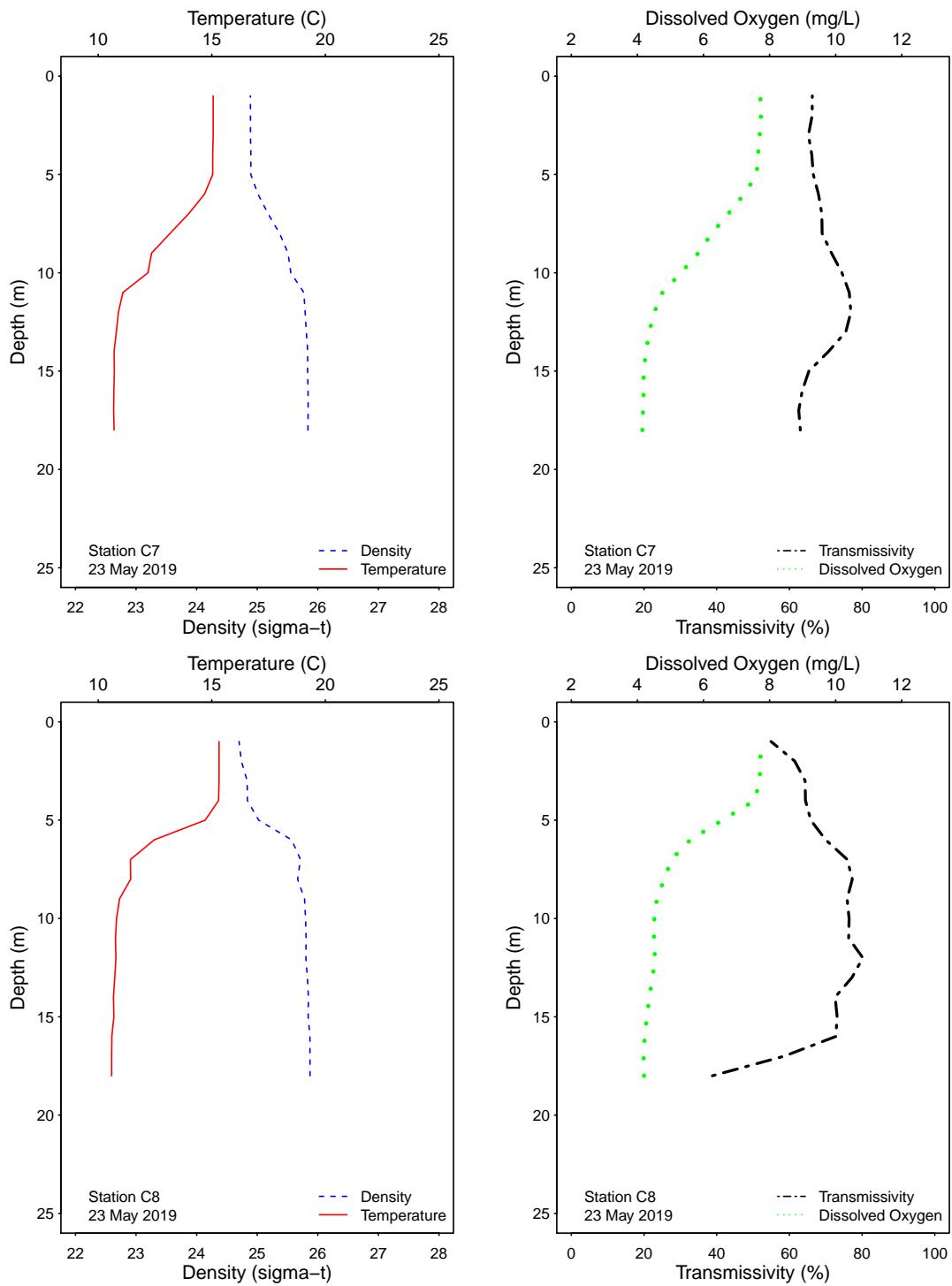


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

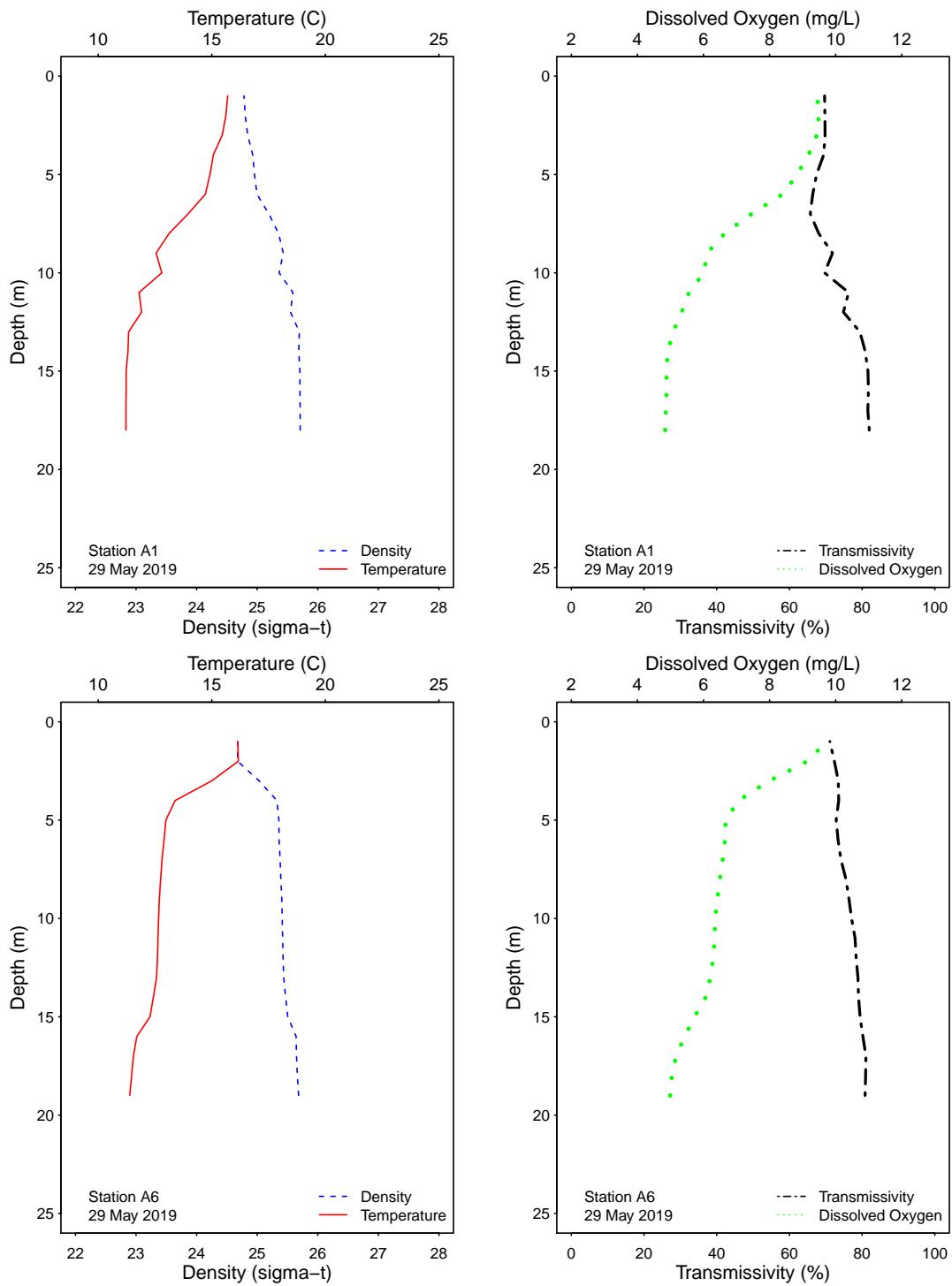


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

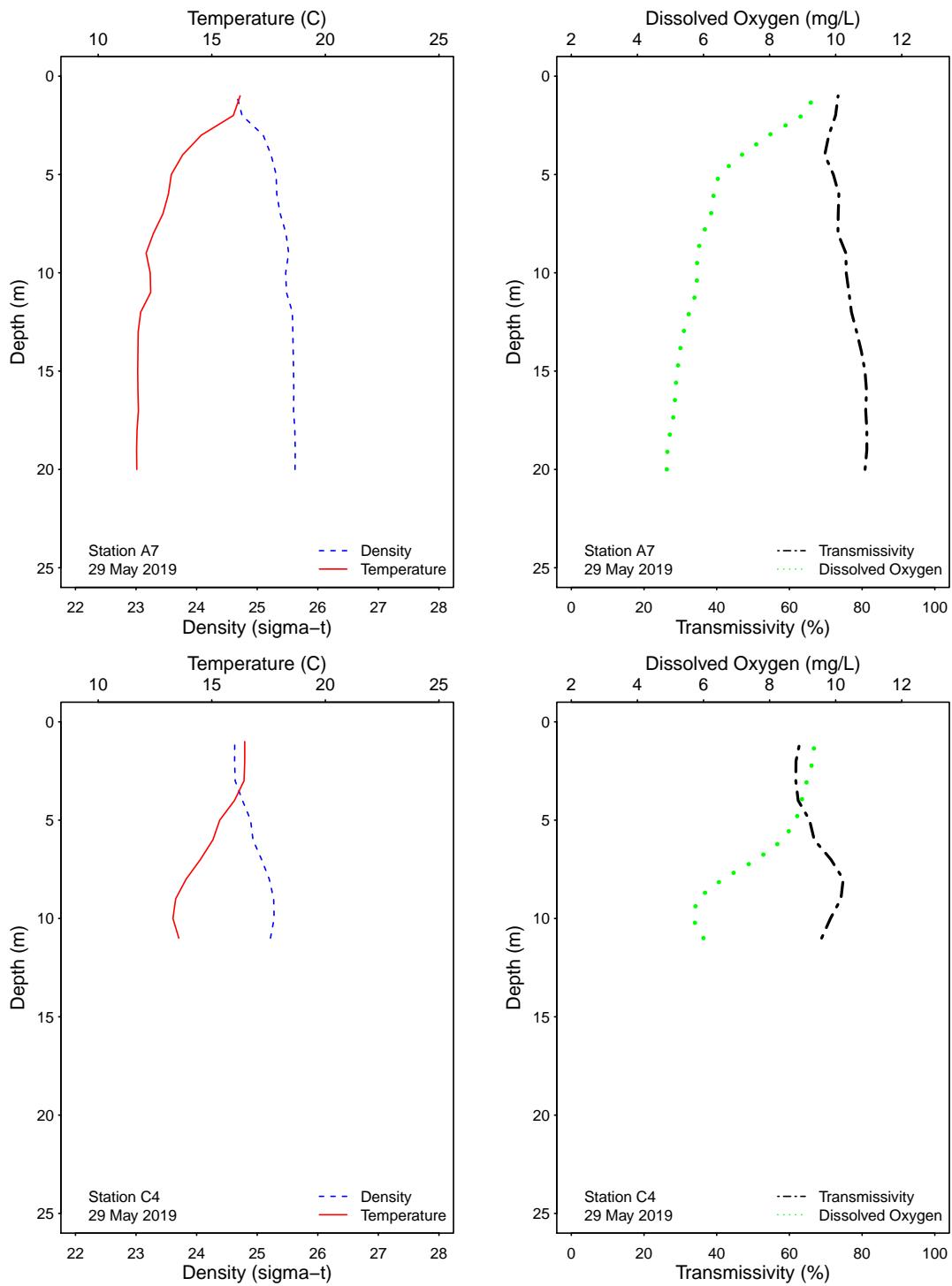


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

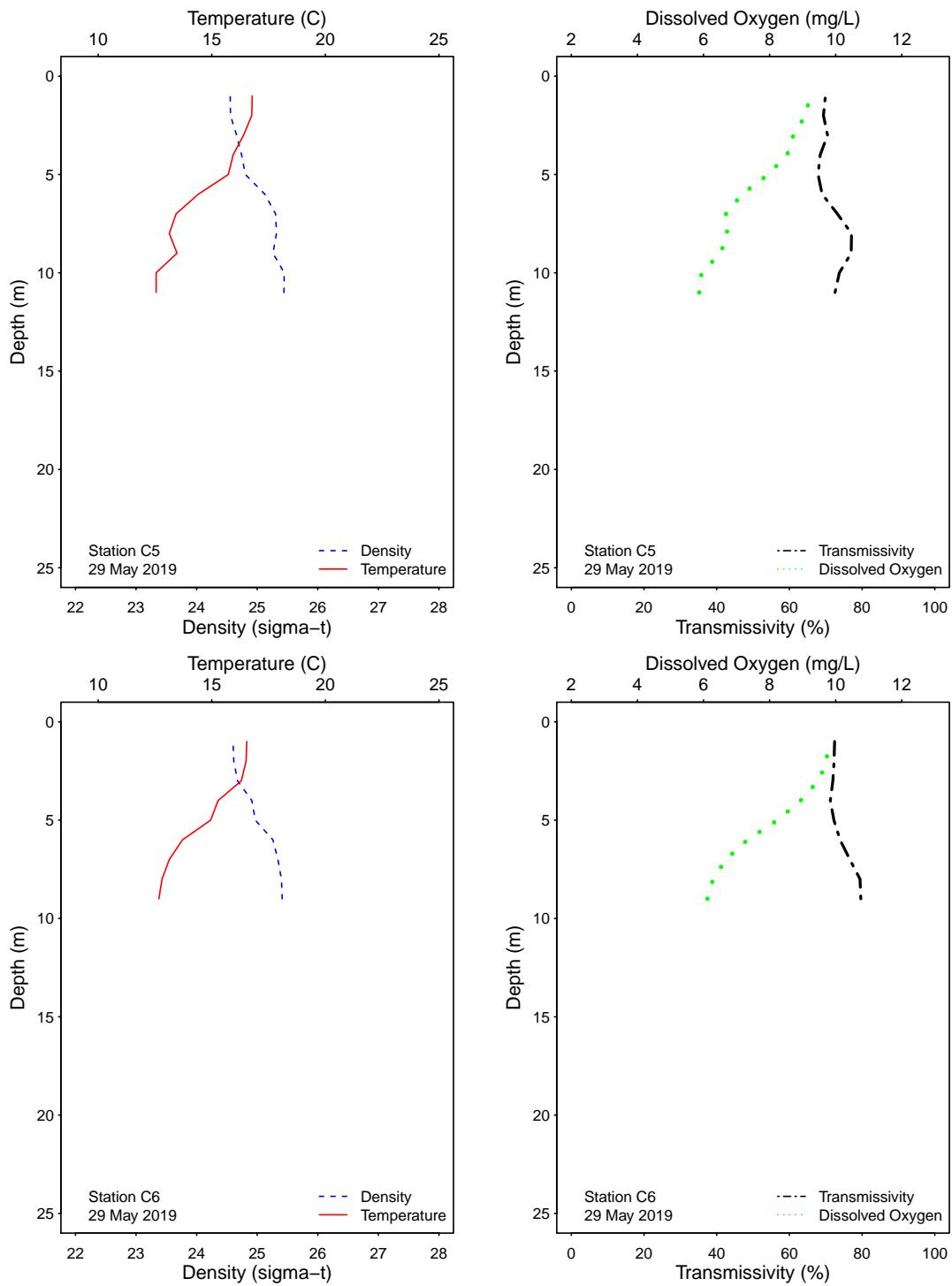


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

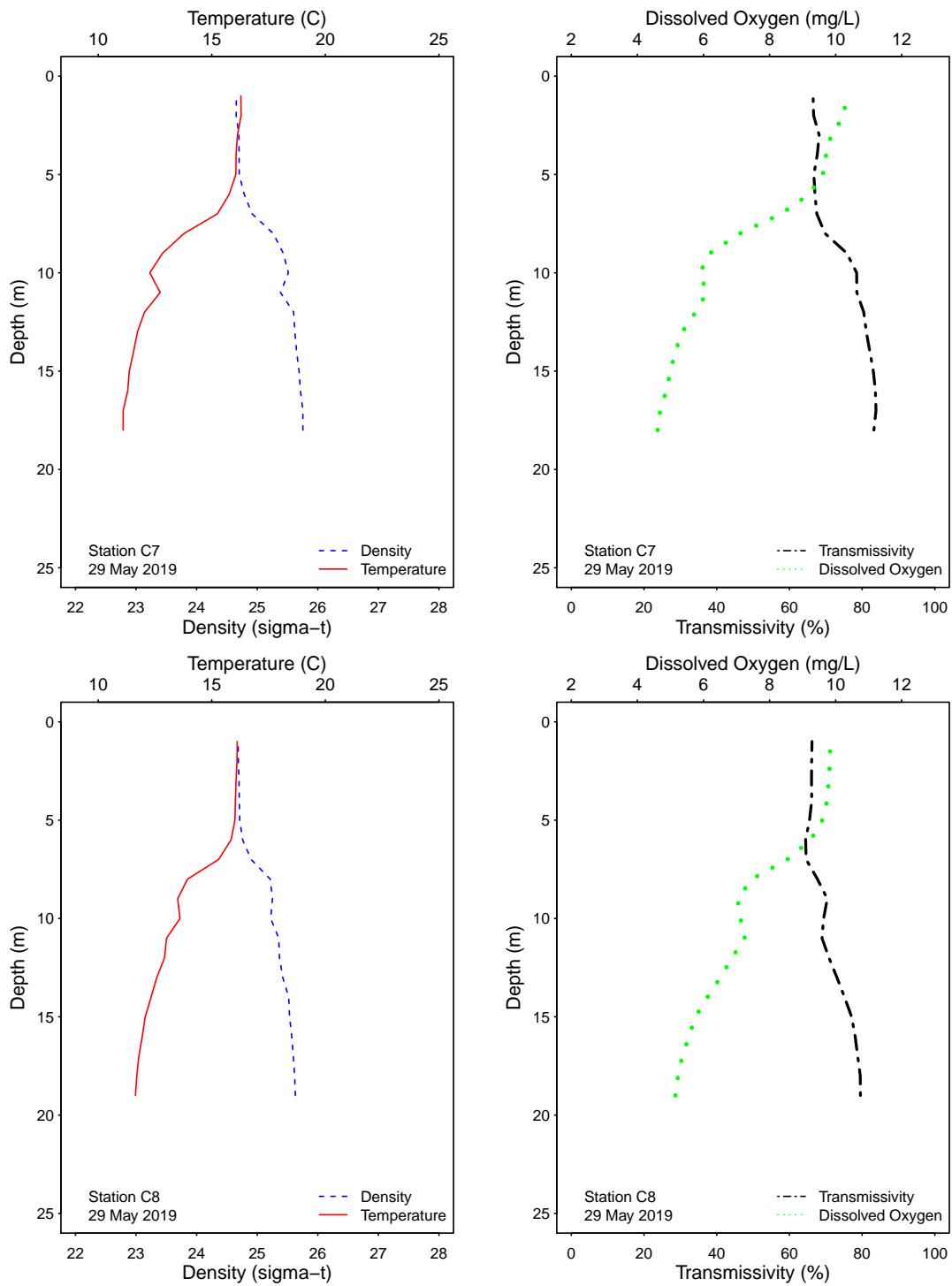


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

This page intentionally left blank

# Offshore Stations



**Table 4.1**

Summary of compliance with the Ocean Plan's Single Sample Maximum standard for *Enterococcus* bacteria at the PLOO offshore stations within three nautical miles of shore. Values shall not exceed 104 CFU/100 mL.

Date	F01	F02	F03	F06	F07	F08	F09	F10	F11	F12	F13	F14	F18	F19	F20
08 May 2019	IC	ns	ns	ns											
09 May 2019	ns	IC	IC	IC											

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 4.2**

Summary of water quality parameters at the PLOO offshore stations for each sample date. Density of *Enterococcus* (Enter) is 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	Enter	Temp	XMS	DO	Sal	pH
F01	08 May 2019	1138	1	<2	15.93	77.14	8.2	33.62	8.2
F01	08 May 2019	1138	12	<2	11.80	84.76	5.9	33.63	8.0
F01	08 May 2019	1138	18	<2	11.55	84.66	5.4	33.65	7.9
F02	08 May 2019	822	1	<2	17.20	78.88	8.2	33.65	8.2
F02	08 May 2019	822	12	<2	12.06	83.83	5.8	33.65	7.9
F02	08 May 2019	822	18	<2	11.45	85.28	5.1	33.67	7.9
F03	08 May 2019	836	1	10e	17.13	78.39	8.1	33.64	8.2
F03	08 May 2019	836	12	<2	11.93	82.26	5.7	33.64	8.0
F03	08 May 2019	836	18	<2	11.61	83.71	5.3	33.66	7.9
F04	08 May 2019	1117	1	<2	16.05	78.32	8.4	33.63	8.2
F04	08 May 2019	1117	25	<2	10.92	86.91	4.9	33.71	7.9
F04	08 May 2019	1117	60	2e	10.23	84.46	3.8	33.86	7.8
F05	08 May 2019	1103	1	<2	15.83	76.23	8.4	33.62	8.2
F05	08 May 2019	1103	25	<2	10.70	88.54	5.0	33.70	7.9
F05	08 May 2019	1103	60	10e	10.28	84.31	4.0	33.83	7.8
F06	08 May 2019	1049	1	<2	16.01	59.76	8.4	33.53	8.2
F06	08 May 2019	1049	25	<2	10.84	88.25	5.1	33.69	7.9
F06	08 May 2019	1049	60	22e	10.29	83.72	4.0	33.81	7.8
F07	08 May 2019	1034	1	<2	16.07	79.53	8.6	33.64	8.2
F07	08 May 2019	1034	25	<2	10.88	88.02	5.1	33.69	7.9
F07	08 May 2019	1034	60	42	10.33	84.78	4.1	33.79	7.8
F08	08 May 2019	1020	1	<2	15.66	77.91	8.4	33.65	8.2
F08	08 May 2019	1020	25	<2	10.91	87.25	5.0	33.69	7.9
F08	08 May 2019	1020	60	56	10.33	83.25	4.1	33.78	7.8
F09	08 May 2019	1008	1	<2	15.84	77.98	8.5	33.65	8.2
F09	08 May 2019	1008	25	<20	11.39	86.50	5.2	33.67	7.9
F09	08 May 2019	1008	60	44	10.39	56.17	4.0	33.76	7.8
F10	08 May 2019	955	1	<20	15.28	77.04	8.1	33.64	8.2
F10	08 May 2019	955	25	<2	11.44	85.69	5.1	33.68	7.9
F10	08 May 2019	955	60	18e	10.55	80.15	4.1	33.73	7.8
F11	08 May 2019	942	1	<2	16.84	81.02	8.3	33.65	8.2
F11	08 May 2019	942	25	<2	11.71	84.92	5.4	33.66	7.9
F11	08 May 2019	942	60	22e	10.40	70.25	4.0	33.73	7.8
F12	08 May 2019	930	1	<2	16.65	76.92	7.9	33.65	8.2
F12	08 May 2019	930	25	<2	11.28	86.06	5.0	33.69	7.9
F12	08 May 2019	930	60	18e	10.42	79.10	4.1	33.74	7.8
F13	08 May 2019	912	1	<2	17.56	82.72	8.2	33.64	8.2
F13	08 May 2019	912	25	<2	11.22	86.75	5.0	33.69	7.9
F13	08 May 2019	912	60	10e	10.32	79.04	3.9	33.77	7.8
F14	08 May 2019	851	1	<2	17.60	82.65	8.1	33.62	8.2

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F14	08 May 2019	851	25	<2	12.00	84.73	5.7	33.65	8.0
F14	08 May 2019	851	60	<2	10.34	75.20	3.9	33.77	7.8
F15	09 May 2019	1117	1	<2	16.88	82.93	8.4	33.58	8.3
F15	09 May 2019	1117	25	2e	11.08	86.31	4.9	33.69	7.9
F15	09 May 2019	1117	60	<2	9.94	89.09	4.2	33.84	7.8
F15	09 May 2019	1117	80	2e	9.92	85.77	3.5	33.93	7.8
F16	09 May 2019	1102	1	<2	16.14	79.79	8.5	33.56	8.2
F16	09 May 2019	1102	25	<2	10.95	87.06	4.9	33.70	7.9
F16	09 May 2019	1102	60	<2	9.97	89.08	4.2	33.84	7.8
F16	09 May 2019	1102	80	6e	9.95	85.18	3.5	33.92	7.8
F17	09 May 2019	1047	1	<2	15.90	79.42	8.5	33.61	8.2
F17	09 May 2019	1047	25	<2	11.02	86.16	4.9	33.69	7.9
F17	09 May 2019	1047	60	<2	9.97	89.08	4.3	33.83	7.8
F17	09 May 2019	1047	80	4e	9.94	85.13	3.6	33.93	7.8
F18	09 May 2019	1032	1	<2	15.77	78.65	8.6	33.62	8.2
F18	09 May 2019	1032	25	<2	10.99	86.99	4.9	33.70	7.9
F18	09 May 2019	1032	60	6e	10.02	88.66	4.1	33.84	7.8
F18	09 May 2019	1032	80	12e	9.99	84.52	3.6	33.91	7.8
F19	09 May 2019	1016	1	<2	15.67	77.70	8.5	33.63	8.2
F19	09 May 2019	1016	25	<2	11.33	86.26	5.1	33.66	7.9
F19	09 May 2019	1016	60	2e	10.06	88.38	4.1	33.84	7.8
F19	09 May 2019	1016	80	10e	10.07	84.55	3.7	33.88	7.8
F20	09 May 2019	1002	1	<2	15.87	77.51	8.6	33.61	8.2
F20	09 May 2019	1002	25	<2	11.30	86.40	5.0	33.67	7.9
F20	09 May 2019	1002	60	<2	10.26	88.89	4.6	33.76	7.9
F20	09 May 2019	1002	80	22e	10.09	82.87	3.8	33.87	7.8
F21	09 May 2019	946	1	<2	16.03	78.94	8.2	33.64	8.2
F21	09 May 2019	946	25	<2	11.23	87.17	5.1	33.67	7.9
F21	09 May 2019	946	60	<2	10.28	89.00	4.6	33.76	7.9
F21	09 May 2019	946	80	18e	10.18	85.22	4.1	33.83	7.8
F22	09 May 2019	932	1	<2	16.56	82.43	8.0	33.64	8.2
F22	09 May 2019	932	25	<2	11.25	86.75	5.1	33.67	7.9
F22	09 May 2019	932	60	42	10.32	83.90	4.2	33.77	7.8
F22	09 May 2019	932	80	68	10.10	79.60	3.8	33.83	7.8
F23	09 May 2019	917	1	<2	18.19	82.66	8.3	33.62	8.3
F23	09 May 2019	917	25	2e	11.11	86.30	4.9	33.69	7.9
F23	09 May 2019	917	60	6e	10.41	84.11	4.1	33.73	7.8
F23	09 May 2019	917	80	66	10.13	82.51	3.8	33.82	7.8
F24	09 May 2019	900	1	<2	18.42	83.90	8.4	33.65	8.3
F24	09 May 2019	900	25	<2	11.17	86.96	5.2	33.68	7.9
F24	09 May 2019	900	60	52	10.32	87.17	4.4	33.75	7.8
F24	09 May 2019	900	80	64	10.14	85.94	3.9	33.81	7.8
F25	09 May 2019	835	1	<2	18.53	84.63	8.3	33.66	8.3
F25	09 May 2019	835	25	<2	12.68	81.37	6.7	33.60	8.1
F25	09 May 2019	835	60	120e	10.24	87.75	4.3	33.74	7.8
F25	09 May 2019	835	80	20e	10.00	84.71	3.8	33.88	7.8
F26	07 May 2019	1223	1	<2	18.41	85.45	8.5	33.67	8.3
F26	07 May 2019	1223	25	<2	12.01	87.27	5.4	33.65	7.9
F26	07 May 2019	1223	60	<2	10.36	89.00	4.6	33.76	7.8

Station	Date	Time	Depth	Enter	Temp	XMS	DO	Sal	pH
F26	07 May 2019	1223	80	<2	10.01	88.85	4.0	33.87	7.8
F26	07 May 2019	1223	98	<2	9.77	87.57	3.5	33.97	7.7
F27	07 May 2019	1208	1	<2	18.38	84.75	8.4	33.67	8.2
F27	07 May 2019	1208	25	<2	11.83	87.69	5.3	33.66	7.9
F27	07 May 2019	1208	60	<2	10.11	89.08	4.5	33.78	7.8
F27	07 May 2019	1208	80	<2	9.94	89.07	4.0	33.88	7.8
F27	07 May 2019	1208	98	<2	9.69	88.50	3.4	34.00	7.7
F28	07 May 2019	1154	1	<2	18.13	77.56	8.3	33.66	8.2
F28	07 May 2019	1154	25	<2	12.40	82.79	6.0	33.62	8.0
F28	07 May 2019	1154	60	<2	10.16	88.64	4.5	33.77	7.8
F28	07 May 2019	1154	80	<2	9.78	89.15	3.9	33.90	7.8
F28	07 May 2019	1154	98	<2	9.66	87.54	3.2	34.01	7.7
F29	07 May 2019	1141	1	<2	17.47	82.76	8.4	33.65	8.2
F29	07 May 2019	1141	25	<2	11.99	85.06	5.9	33.65	8.0
F29	07 May 2019	1141	60	2e	10.17	87.18	4.3	33.81	7.8
F29	07 May 2019	1141	80	<2	9.86	88.71	3.8	33.91	7.8
F29	07 May 2019	1141	98	<2	9.68	87.15	3.3	34.01	7.7
F30	07 May 2019	1123	1	<2	17.45	82.26	8.3	33.63	8.2
F30	07 May 2019	1123	25	<2	11.68	85.47	5.5	33.67	7.9
F30	07 May 2019	1123	60	440	9.78	84.83	3.5	33.80	7.7
F30	07 May 2019	1123	80	2e	9.74	85.57	3.5	33.86	7.7
F30	07 May 2019	1123	98	<2	9.61	88.05	3.2	34.03	7.7
F31	07 May 2019	1103	1	2e	17.28	80.07	8.3	33.63	8.2
F31	07 May 2019	1103	25	<2	11.65	85.42	5.5	33.67	7.9
F31	07 May 2019	1103	60	2e	10.31	87.59	4.5	33.76	7.8
F31	07 May 2019	1103	80	400	9.88	85.75	3.7	33.81	7.7
F31	07 May 2019	1103	98	<2	9.62	87.10	3.2	34.03	7.7
F32	07 May 2019	1047	1	<2	18.17	84.19	8.2	33.66	8.2
F32	07 May 2019	1047	25	<2	11.51	86.24	5.3	33.67	7.9
F32	07 May 2019	1047	60	4e	10.32	88.18	4.6	33.74	7.8
F32	07 May 2019	1047	80	10e	10.02	88.10	4.1	33.85	7.8
F32	07 May 2019	1047	98	<2	9.65	88.56	3.2	34.03	7.7
F33	07 May 2019	1033	1	<2	18.48	83.02	8.4	33.68	8.3
F33	07 May 2019	1033	25	<2	11.65	85.72	5.5	33.65	7.9
F33	07 May 2019	1033	60	<2	10.40	87.97	4.7	33.72	7.8
F33	07 May 2019	1033	80	220e	10.03	86.76	3.8	33.83	7.8
F33	07 May 2019	1033	98	2e	9.67	86.52	3.2	34.02	7.7
F34	07 May 2019	1006	1	<2	18.34	86.07	8.3	33.67	8.2
F34	07 May 2019	1006	25	<2	12.12	81.85	5.8	33.64	8.0
F34	07 May 2019	1006	60	8e	10.35	86.78	4.1	33.73	7.8
F34	07 May 2019	1006	80	2e	10.06	86.93	4.0	33.86	7.8
F34	07 May 2019	1006	98	<2	9.63	87.08	3.2	34.02	7.7
F35	07 May 2019	927	1	<2	18.18	86.47	8.2	33.66	8.2
F35	07 May 2019	927	25	<2	12.29	87.39	6.4	33.59	8.0
F35	07 May 2019	927	60	8e	10.61	85.87	4.4	33.71	7.8
F35	07 May 2019	927	80	<2	10.08	86.74	4.1	33.84	7.8
F35	07 May 2019	927	98	<2	9.69	87.88	3.3	33.99	7.7
F36	07 May 2019	847	1	<2	17.96	86.75	8.1	33.65	8.2
F36	07 May 2019	847	25	<2	13.24	83.27	7.6	33.57	8.1
F36	07 May 2019	847	60	<2	11.01	88.56	4.9	33.69	7.9
F36	07 May 2019	847	80	4e	10.18	87.46	4.4	33.79	7.8

Station	Date	Time	Depth	Enterο	Temp	XMS	DO	Sal	pH
F36	07 May 2019	847	98	<2	9.89	87.04	3.8	33.89	7.7

ns = not sampled

ND = no data

**Table 4.3**

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

Station	Date	Parameter	Value
F01	08 May 2019	Depth (m)	20
F01	08 May 2019	Arrive Time	1138
F01	08 May 2019	Depart Time	1141
F01	08 May 2019	Air Temp (C)	16
F01	08 May 2019	Weather	Drizzle
F01	08 May 2019	Visibility (mi)	8
F01	08 May 2019	Wind Speed (kts)	4
F01	08 May 2019	Wind Dir	E
F01	08 May 2019	Water Color	Brownish-Green
F01	08 May 2019	Wave Ht Low (ft)	4
F01	08 May 2019	Wave Period (sec)	13
F01	08 May 2019	Sea State	Calm
F01	08 May 2019	High Tide (ft)	6.33
F01	08 May 2019	High Tide Time	2106
F01	08 May 2019	Low Tide (ft)	-0.71
F01	08 May 2019	Low Tide Time	405
F01	08 May 2019	Comments	none
F02	08 May 2019	Depth (m)	20
F02	08 May 2019	Arrive Time	822
F02	08 May 2019	Depart Time	828
F02	08 May 2019	Air Temp (C)	15
F02	08 May 2019	Weather	Drizzle
F02	08 May 2019	Visibility (mi)	8
F02	08 May 2019	Wind Speed (kts)	4
F02	08 May 2019	Wind Dir	E
F02	08 May 2019	Water Color	Brownish-Green
F02	08 May 2019	Wave Ht Low (ft)	4
F02	08 May 2019	Wave Period (sec)	13
F02	08 May 2019	Sea State	Calm
F02	08 May 2019	High Tide (ft)	6.33
F02	08 May 2019	High Tide Time	2106
F02	08 May 2019	Low Tide (ft)	-0.71
F02	08 May 2019	Low Tide Time	405
F02	08 May 2019	Comments	none
F03	08 May 2019	Depth (m)	20
F03	08 May 2019	Arrive Time	836
F03	08 May 2019	Depart Time	840
F03	08 May 2019	Air Temp (C)	14
F03	08 May 2019	Weather	Drizzle
F03	08 May 2019	Visibility (mi)	8
F03	08 May 2019	Wind Speed (kts)	2
F03	08 May 2019	Wind Dir	W
F03	08 May 2019	Water Color	Brownish-Green
F03	08 May 2019	Wave Ht Low (ft)	4
F03	08 May 2019	Wave Period (sec)	13
F03	08 May 2019	Sea State	Calm
F03	08 May 2019	High Tide (ft)	6.33
F03	08 May 2019	High Tide Time	2106
F03	08 May 2019	Low Tide (ft)	-0.71
F03	08 May 2019	Low Tide Time	405
F03	08 May 2019	Comments	none
F04	08 May 2019	Depth (m)	60
F04	08 May 2019	Arrive Time	1117

Station	Date	Parameter	Value
F04	08 May 2019	Depart Time	1122
F04	08 May 2019	Air Temp (C)	15
F04	08 May 2019	Weather	Drizzle
F04	08 May 2019	Visibility (mi)	8
F04	08 May 2019	Wind Speed (kts)	2
F04	08 May 2019	Wind Dir	NW
F04	08 May 2019	Water Color	Brownish-Green
F04	08 May 2019	Wave Ht Low (ft)	4
F04	08 May 2019	Wave Period (sec)	13
F04	08 May 2019	Sea State	Calm
F04	08 May 2019	High Tide (ft)	6.33
F04	08 May 2019	High Tide Time	2106
F04	08 May 2019	Low Tide (ft)	-0.71
F04	08 May 2019	Low Tide Time	405
F04	08 May 2019	Comments	none
F05	08 May 2019	Depth (m)	60
F05	08 May 2019	Arrive Time	1103
F05	08 May 2019	Depart Time	1110
F05	08 May 2019	Air Temp (C)	15
F05	08 May 2019	Weather	Drizzle
F05	08 May 2019	Visibility (mi)	8
F05	08 May 2019	Wind Speed (kts)	6
F05	08 May 2019	Wind Dir	SE
F05	08 May 2019	Water Color	Brownish-Green
F05	08 May 2019	Wave Ht Low (ft)	4
F05	08 May 2019	Wave Period (sec)	13
F05	08 May 2019	Sea State	Calm
F05	08 May 2019	High Tide (ft)	6.33
F05	08 May 2019	High Tide Time	2106
F05	08 May 2019	Low Tide (ft)	-0.71
F05	08 May 2019	Low Tide Time	405
F05	08 May 2019	Comments	none
F06	08 May 2019	Depth (m)	60
F06	08 May 2019	Arrive Time	1049
F06	08 May 2019	Depart Time	1057
F06	08 May 2019	Air Temp (C)	15
F06	08 May 2019	Weather	Drizzle
F06	08 May 2019	Visibility (mi)	8
F06	08 May 2019	Wind Speed (kts)	3
F06	08 May 2019	Wind Dir	E
F06	08 May 2019	Water Color	Brownish-Green
F06	08 May 2019	Wave Ht Low (ft)	4
F06	08 May 2019	Wave Period (sec)	13
F06	08 May 2019	Sea State	Calm
F06	08 May 2019	High Tide (ft)	6.33
F06	08 May 2019	High Tide Time	2106
F06	08 May 2019	Low Tide (ft)	-0.71
F06	08 May 2019	Low Tide Time	405
F06	08 May 2019	Comments	none
F07	08 May 2019	Depth (m)	60
F07	08 May 2019	Arrive Time	1034
F07	08 May 2019	Depart Time	1041
F07	08 May 2019	Air Temp (C)	15
F07	08 May 2019	Weather	Drizzle
F07	08 May 2019	Visibility (mi)	8
F07	08 May 2019	Wind Speed (kts)	2
F07	08 May 2019	Wind Dir	SE
F07	08 May 2019	Water Color	Brownish-Green

Station	Date	Parameter	Value
F07	08 May 2019	Wave Ht Low (ft)	4
F07	08 May 2019	Wave Period (sec)	13
F07	08 May 2019	Sea State	Calm
F07	08 May 2019	High Tide (ft)	6.33
F07	08 May 2019	High Tide Time	2106
F07	08 May 2019	Low Tide (ft)	-0.71
F07	08 May 2019	Low Tide Time	405
F07	08 May 2019	Comments	none
F08	08 May 2019	Depth (m)	60
F08	08 May 2019	Arrive Time	1020
F08	08 May 2019	Depart Time	1026
F08	08 May 2019	Air Temp (C)	15
F08	08 May 2019	Weather	Drizzle
F08	08 May 2019	Visibility (mi)	8
F08	08 May 2019	Wind Speed (kts)	1
F08	08 May 2019	Wind Dir	SE
F08	08 May 2019	Water Color	Brownish-Green
F08	08 May 2019	Wave Ht Low (ft)	4
F08	08 May 2019	Wave Period (sec)	13
F08	08 May 2019	Sea State	Calm
F08	08 May 2019	High Tide (ft)	6.33
F08	08 May 2019	High Tide Time	2106
F08	08 May 2019	Low Tide (ft)	-0.71
F08	08 May 2019	Low Tide Time	405
F08	08 May 2019	Comments	none
F09	08 May 2019	Depth (m)	60
F09	08 May 2019	Arrive Time	1008
F09	08 May 2019	Depart Time	1015
F09	08 May 2019	Air Temp (C)	14
F09	08 May 2019	Weather	Drizzle
F09	08 May 2019	Visibility (mi)	8
F09	08 May 2019	Wind Speed (kts)	2
F09	08 May 2019	Wind Dir	S
F09	08 May 2019	Water Color	Brownish-Green
F09	08 May 2019	Wave Ht Low (ft)	4
F09	08 May 2019	Wave Period (sec)	13
F09	08 May 2019	Sea State	Calm
F09	08 May 2019	High Tide (ft)	6.33
F09	08 May 2019	High Tide Time	2106
F09	08 May 2019	Low Tide (ft)	-0.71
F09	08 May 2019	Low Tide Time	405
F09	08 May 2019	Comments	none
F10	08 May 2019	Depth (m)	60
F10	08 May 2019	Arrive Time	955
F10	08 May 2019	Depart Time	1000
F10	08 May 2019	Air Temp (C)	14
F10	08 May 2019	Weather	Drizzle
F10	08 May 2019	Visibility (mi)	8
F10	08 May 2019	Wind Speed (kts)	0
F10	08 May 2019	Wind Dir	
F10	08 May 2019	Water Color	Brownish-Green
F10	08 May 2019	Wave Ht Low (ft)	4
F10	08 May 2019	Wave Period (sec)	13
F10	08 May 2019	Sea State	Calm
F10	08 May 2019	High Tide (ft)	6.33
F10	08 May 2019	High Tide Time	2106
F10	08 May 2019	Low Tide (ft)	-0.71
F10	08 May 2019	Low Tide Time	405

Station	Date	Parameter	Value
F10	08 May 2019	Comments	none
F11	08 May 2019	Depth (m)	60
F11	08 May 2019	Arrive Time	942
F11	08 May 2019	Depart Time	955
F11	08 May 2019	Air Temp (C)	14
F11	08 May 2019	Weather	Drizzle
F11	08 May 2019	Visibility (mi)	8
F11	08 May 2019	Wind Speed (kts)	0
F11	08 May 2019	Wind Dir	
F11	08 May 2019	Water Color	Brownish-Green
F11	08 May 2019	Wave Ht Low (ft)	4
F11	08 May 2019	Wave Period (sec)	13
F11	08 May 2019	Sea State	Calm
F11	08 May 2019	High Tide (ft)	6.33
F11	08 May 2019	High Tide Time	2106
F11	08 May 2019	Low Tide (ft)	-0.71
F11	08 May 2019	Low Tide Time	405
F11	08 May 2019	Comments	none
F12	08 May 2019	Depth (m)	60
F12	08 May 2019	Arrive Time	930
F12	08 May 2019	Depart Time	934
F12	08 May 2019	Air Temp (C)	14
F12	08 May 2019	Weather	Drizzle
F12	08 May 2019	Visibility (mi)	8
F12	08 May 2019	Wind Speed (kts)	4
F12	08 May 2019	Wind Dir	E
F12	08 May 2019	Water Color	Brownish-Green
F12	08 May 2019	Wave Ht Low (ft)	4
F12	08 May 2019	Wave Period (sec)	13
F12	08 May 2019	Sea State	Calm
F12	08 May 2019	High Tide (ft)	6.33
F12	08 May 2019	High Tide Time	2106
F12	08 May 2019	Low Tide (ft)	-0.71
F12	08 May 2019	Low Tide Time	405
F12	08 May 2019	Comments	none
F13	08 May 2019	Depth (m)	60
F13	08 May 2019	Arrive Time	912
F13	08 May 2019	Depart Time	918
F13	08 May 2019	Air Temp (C)	14
F13	08 May 2019	Weather	Drizzle
F13	08 May 2019	Visibility (mi)	8
F13	08 May 2019	Wind Speed (kts)	2
F13	08 May 2019	Wind Dir	S
F13	08 May 2019	Water Color	Brownish-Green
F13	08 May 2019	Wave Ht Low (ft)	4
F13	08 May 2019	Wave Period (sec)	13
F13	08 May 2019	Sea State	Calm
F13	08 May 2019	High Tide (ft)	6.33
F13	08 May 2019	High Tide Time	2106
F13	08 May 2019	Low Tide (ft)	-0.71
F13	08 May 2019	Low Tide Time	405
F13	08 May 2019	Comments	none
F14	08 May 2019	Depth (m)	60
F14	08 May 2019	Arrive Time	851
F14	08 May 2019	Depart Time	906
F14	08 May 2019	Air Temp (C)	14
F14	08 May 2019	Weather	Drizzle

Station	Date	Parameter	Value
F14	08 May 2019	Visibility (mi)	8
F14	08 May 2019	Wind Speed (kts)	2
F14	08 May 2019	Wind Dir	SW
F14	08 May 2019	Water Color	Brownish-Green
F14	08 May 2019	Wave Ht Low (ft)	4
F14	08 May 2019	Wave Period (sec)	13
F14	08 May 2019	Sea State	Calm
F14	08 May 2019	High Tide (ft)	6.33
F14	08 May 2019	High Tide Time	2106
F14	08 May 2019	Low Tide (ft)	-0.71
F14	08 May 2019	Low Tide Time	405
F14	08 May 2019	Comments	none
F15	09 May 2019	Depth (m)	84
F15	09 May 2019	Arrive Time	1117
F15	09 May 2019	Depart Time	1127
F15	09 May 2019	Air Temp (C)	15
F15	09 May 2019	Weather	Drizzle
F15	09 May 2019	Visibility (mi)	3
F15	09 May 2019	Wind Speed (kts)	2
F15	09 May 2019	Wind Dir	NW
F15	09 May 2019	Water Color	Green
F15	09 May 2019	Wave Ht Low (ft)	3
F15	09 May 2019	Wave Period (sec)	9
F15	09 May 2019	Sea State	Calm
F15	09 May 2019	High Tide (ft)	6.33
F15	09 May 2019	High Tide Time	2106
F15	09 May 2019	Low Tide (ft)	-0.71
F15	09 May 2019	Low Tide Time	405
F15	09 May 2019	Comments	none
F16	09 May 2019	Depth (m)	81
F16	09 May 2019	Arrive Time	1102
F16	09 May 2019	Depart Time	1108
F16	09 May 2019	Air Temp (C)	14
F16	09 May 2019	Weather	Drizzle
F16	09 May 2019	Visibility (mi)	4
F16	09 May 2019	Wind Speed (kts)	1
F16	09 May 2019	Wind Dir	W
F16	09 May 2019	Water Color	Green
F16	09 May 2019	Wave Ht Low (ft)	3
F16	09 May 2019	Wave Period (sec)	9
F16	09 May 2019	Sea State	Calm
F16	09 May 2019	High Tide (ft)	6.33
F16	09 May 2019	High Tide Time	2106
F16	09 May 2019	Low Tide (ft)	-0.71
F16	09 May 2019	Low Tide Time	405
F16	09 May 2019	Comments	kelp debris; Boats
F17	09 May 2019	Depth (m)	82
F17	09 May 2019	Arrive Time	1047
F17	09 May 2019	Depart Time	1054
F17	09 May 2019	Air Temp (C)	14
F17	09 May 2019	Weather	Overcast
F17	09 May 2019	Visibility (mi)	6
F17	09 May 2019	Wind Speed (kts)	5
F17	09 May 2019	Wind Dir	SE
F17	09 May 2019	Water Color	Green
F17	09 May 2019	Wave Ht Low (ft)	3
F17	09 May 2019	Wave Period (sec)	9
F17	09 May 2019	Sea State	Calm

Station	Date	Parameter	Value
F17	09 May 2019	High Tide (ft)	6.33
F17	09 May 2019	High Tide Time	2106
F17	09 May 2019	Low Tide (ft)	-0.71
F17	09 May 2019	Low Tide Time	405
F17	09 May 2019	Comments	none
F18	09 May 2019	Depth (m)	81
F18	09 May 2019	Arrive Time	1032
F18	09 May 2019	Depart Time	1037
F18	09 May 2019	Air Temp (C)	14
F18	09 May 2019	Weather	Overcast
F18	09 May 2019	Visibility (mi)	6
F18	09 May 2019	Wind Speed (kts)	3
F18	09 May 2019	Wind Dir	SE
F18	09 May 2019	Water Color	Green
F18	09 May 2019	Wave Ht Low (ft)	3
F18	09 May 2019	Wave Period (sec)	9
F18	09 May 2019	Sea State	Calm
F18	09 May 2019	High Tide (ft)	6.33
F18	09 May 2019	High Tide Time	2106
F18	09 May 2019	Low Tide (ft)	-0.71
F18	09 May 2019	Low Tide Time	405
F18	09 May 2019	Comments	none
F19	09 May 2019	Depth (m)	82
F19	09 May 2019	Arrive Time	1016
F19	09 May 2019	Depart Time	1024
F19	09 May 2019	Air Temp (C)	14
F19	09 May 2019	Weather	Overcast
F19	09 May 2019	Visibility (mi)	6
F19	09 May 2019	Wind Speed (kts)	2
F19	09 May 2019	Wind Dir	E
F19	09 May 2019	Water Color	Green
F19	09 May 2019	Wave Ht Low (ft)	3
F19	09 May 2019	Wave Period (sec)	9
F19	09 May 2019	Sea State	Calm
F19	09 May 2019	High Tide (ft)	6.33
F19	09 May 2019	High Tide Time	2106
F19	09 May 2019	Low Tide (ft)	-0.71
F19	09 May 2019	Low Tide Time	405
F19	09 May 2019	Comments	none
F20	09 May 2019	Depth (m)	82
F20	09 May 2019	Arrive Time	1002
F20	09 May 2019	Depart Time	1009
F20	09 May 2019	Air Temp (C)	15
F20	09 May 2019	Weather	Overcast
F20	09 May 2019	Visibility (mi)	5
F20	09 May 2019	Wind Speed (kts)	3
F20	09 May 2019	Wind Dir	E
F20	09 May 2019	Water Color	Bluish-Green
F20	09 May 2019	Wave Ht Low (ft)	3
F20	09 May 2019	Wave Period (sec)	9
F20	09 May 2019	Sea State	Calm
F20	09 May 2019	High Tide (ft)	6.33
F20	09 May 2019	High Tide Time	2106
F20	09 May 2019	Low Tide (ft)	-0.71
F20	09 May 2019	Low Tide Time	405
F20	09 May 2019	Comments	Kelp debris
F21	09 May 2019	Depth (m)	83

Station	Date	Parameter	Value
F21	09 May 2019	Arrive Time	946
F21	09 May 2019	Depart Time	958
F21	09 May 2019	Air Temp (C)	15
F21	09 May 2019	Weather	Overcast
F21	09 May 2019	Visibility (mi)	5
F21	09 May 2019	Wind Speed (kts)	3
F21	09 May 2019	Wind Dir	E
F21	09 May 2019	Water Color	Bluish-Green
F21	09 May 2019	Wave Ht Low (ft)	3
F21	09 May 2019	Wave Period (sec)	9
F21	09 May 2019	Sea State	Calm
F21	09 May 2019	High Tide (ft)	6.33
F21	09 May 2019	High Tide Time	2106
F21	09 May 2019	Low Tide (ft)	-0.71
F21	09 May 2019	Low Tide Time	405
F21	09 May 2019	Comments	none
F22	09 May 2019	Depth (m)	80
F22	09 May 2019	Arrive Time	932
F22	09 May 2019	Depart Time	939
F22	09 May 2019	Air Temp (C)	15
F22	09 May 2019	Weather	Drizzle
F22	09 May 2019	Visibility (mi)	5
F22	09 May 2019	Wind Speed (kts)	3
F22	09 May 2019	Wind Dir	E
F22	09 May 2019	Water Color	Bluish-Green
F22	09 May 2019	Wave Ht Low (ft)	3
F22	09 May 2019	Wave Period (sec)	9
F22	09 May 2019	Sea State	Calm
F22	09 May 2019	High Tide (ft)	6.33
F22	09 May 2019	High Tide Time	2106
F22	09 May 2019	Low Tide (ft)	-0.71
F22	09 May 2019	Low Tide Time	405
F22	09 May 2019	Comments	Kelp debris
F24	09 May 2019	Depth (m)	82
F24	09 May 2019	Arrive Time	900
F24	09 May 2019	Depart Time	908
F24	09 May 2019	Air Temp (C)	15
F24	09 May 2019	Weather	Fog
F24	09 May 2019	Visibility (mi)	3
F24	09 May 2019	Wind Speed (kts)	0
F24	09 May 2019	Wind Dir	
F24	09 May 2019	Water Color	Bluish-Green
F24	09 May 2019	Wave Ht Low (ft)	3
F24	09 May 2019	Wave Period (sec)	9
F24	09 May 2019	Sea State	Calm
F24	09 May 2019	High Tide (ft)	6.33
F24	09 May 2019	High Tide Time	2106
F24	09 May 2019	Low Tide (ft)	-0.71
F24	09 May 2019	Low Tide Time	405
F24	09 May 2019	Comments	none
F25	09 May 2019	Depth (m)	80
F25	09 May 2019	Arrive Time	835
F25	09 May 2019	Depart Time	850
F25	09 May 2019	Air Temp (C)	15
F25	09 May 2019	Weather	Fog
F25	09 May 2019	Visibility (mi)	3
F25	09 May 2019	Wind Speed (kts)	1
F25	09 May 2019	Wind Dir	S

Station	Date	Parameter	Value
F25	09 May 2019	Water Color	Bluish-Green
F25	09 May 2019	Wave Ht Low (ft)	3
F25	09 May 2019	Wave Period (sec)	9
F25	09 May 2019	Sea State	Calm
F25	09 May 2019	High Tide (ft)	6.33
F25	09 May 2019	High Tide Time	2106
F25	09 May 2019	Low Tide (ft)	-0.71
F25	09 May 2019	Low Tide Time	405
F25	09 May 2019	Comments	none
F26	07 May 2019	Depth (m)	101
F26	07 May 2019	Arrive Time	1223
F26	07 May 2019	Depart Time	1232
F26	07 May 2019	Air Temp (C)	17
F26	07 May 2019	Weather	Partly Cloudy
F26	07 May 2019	Visibility (mi)	8
F26	07 May 2019	Wind Speed (kts)	8
F26	07 May 2019	Wind Dir	SE
F26	07 May 2019	Water Color	Green
F26	07 May 2019	Wave Ht Low (ft)	4
F26	07 May 2019	Wave Period (sec)	13
F26	07 May 2019	Sea State	Confused swell
F26	07 May 2019	High Tide (ft)	6.33
F26	07 May 2019	High Tide Time	2106
F26	07 May 2019	Low Tide (ft)	-0.71
F26	07 May 2019	Low Tide Time	405
F26	07 May 2019	Comments	none
F27	07 May 2019	Depth (m)	100
F27	07 May 2019	Arrive Time	1208
F27	07 May 2019	Depart Time	1215
F27	07 May 2019	Air Temp (C)	17
F27	07 May 2019	Weather	Partly Cloudy
F27	07 May 2019	Visibility (mi)	8
F27	07 May 2019	Wind Speed (kts)	9
F27	07 May 2019	Wind Dir	S
F27	07 May 2019	Water Color	Green
F27	07 May 2019	Wave Ht Low (ft)	4
F27	07 May 2019	Wave Period (sec)	13
F27	07 May 2019	Sea State	Confused swell
F27	07 May 2019	High Tide (ft)	6.33
F27	07 May 2019	High Tide Time	2106
F27	07 May 2019	Low Tide (ft)	-0.71
F27	07 May 2019	Low Tide Time	405
F27	07 May 2019	Comments	none
F28	07 May 2019	Depth (m)	101
F28	07 May 2019	Arrive Time	1154
F28	07 May 2019	Depart Time	1200
F28	07 May 2019	Air Temp (C)	16
F28	07 May 2019	Weather	Partly Cloudy
F28	07 May 2019	Visibility (mi)	8
F28	07 May 2019	Wind Speed (kts)	7
F28	07 May 2019	Wind Dir	S
F28	07 May 2019	Water Color	Green
F28	07 May 2019	Wave Ht Low (ft)	4
F28	07 May 2019	Wave Period (sec)	13
F28	07 May 2019	Sea State	Confused swell
F28	07 May 2019	High Tide (ft)	6.33
F28	07 May 2019	High Tide Time	2106
F28	07 May 2019	Low Tide (ft)	-0.71

Station	Date	Parameter	Value
F28	07 May 2019	Low Tide Time	405
F28	07 May 2019	Comments	none
F29	07 May 2019	Depth (m)	101
F29	07 May 2019	Arrive Time	1141
F29	07 May 2019	Depart Time	1147
F29	07 May 2019	Air Temp (C)	16
F29	07 May 2019	Weather	Partly Cloudy
F29	07 May 2019	Visibility (mi)	8
F29	07 May 2019	Wind Speed (kts)	6
F29	07 May 2019	Wind Dir	SW
F29	07 May 2019	Water Color	Green
F29	07 May 2019	Wave Ht Low (ft)	4
F29	07 May 2019	Wave Period (sec)	13
F29	07 May 2019	Sea State	Confused swell
F29	07 May 2019	High Tide (ft)	6.33
F29	07 May 2019	High Tide Time	2106
F29	07 May 2019	Low Tide (ft)	-0.71
F29	07 May 2019	Low Tide Time	405
F29	07 May 2019	Comments	none
F30	07 May 2019	Depth (m)	101
F30	07 May 2019	Arrive Time	1123
F30	07 May 2019	Depart Time	1128
F30	07 May 2019	Air Temp (C)	16
F30	07 May 2019	Weather	Partly Cloudy
F30	07 May 2019	Visibility (mi)	8
F30	07 May 2019	Wind Speed (kts)	6
F30	07 May 2019	Wind Dir	SW
F30	07 May 2019	Water Color	Green
F30	07 May 2019	Wave Ht Low (ft)	4
F30	07 May 2019	Wave Period (sec)	13
F30	07 May 2019	Sea State	Confused swell
F30	07 May 2019	High Tide (ft)	6.33
F30	07 May 2019	High Tide Time	2106
F30	07 May 2019	Low Tide (ft)	-0.71
F30	07 May 2019	Low Tide Time	405
F30	07 May 2019	Comments	none
F31	07 May 2019	Depth (m)	101
F31	07 May 2019	Arrive Time	1103
F31	07 May 2019	Depart Time	1110
F31	07 May 2019	Air Temp (C)	16
F31	07 May 2019	Weather	Partly Cloudy
F31	07 May 2019	Visibility (mi)	8
F31	07 May 2019	Wind Speed (kts)	5
F31	07 May 2019	Wind Dir	S
F31	07 May 2019	Water Color	Green
F31	07 May 2019	Wave Ht Low (ft)	4
F31	07 May 2019	Wave Period (sec)	13
F31	07 May 2019	Sea State	Confused swell
F31	07 May 2019	High Tide (ft)	6.33
F31	07 May 2019	High Tide Time	2106
F31	07 May 2019	Low Tide (ft)	-0.71
F31	07 May 2019	Low Tide Time	405
F31	07 May 2019	Comments	none
F32	07 May 2019	Depth (m)	101
F32	07 May 2019	Arrive Time	1047
F32	07 May 2019	Depart Time	1053
F32	07 May 2019	Air Temp (C)	16

Station	Date	Parameter	Value
F32	07 May 2019	Weather	Partly Cloudy
F32	07 May 2019	Visibility (mi)	8
F32	07 May 2019	Wind Speed (kts)	6
F32	07 May 2019	Wind Dir	SW
F32	07 May 2019	Water Color	Green
F32	07 May 2019	Wave Ht Low (ft)	4
F32	07 May 2019	Wave Period (sec)	13
F32	07 May 2019	Sea State	Confused swell
F32	07 May 2019	High Tide (ft)	6.33
F32	07 May 2019	High Tide Time	2106
F32	07 May 2019	Low Tide (ft)	-0.71
F32	07 May 2019	Low Tide Time	405
F32	07 May 2019	Comments	none
F33	07 May 2019	Depth (m)	101
F33	07 May 2019	Arrive Time	1033
F33	07 May 2019	Depart Time	1039
F33	07 May 2019	Air Temp (C)	17
F33	07 May 2019	Weather	Partly Cloudy
F33	07 May 2019	Visibility (mi)	8
F33	07 May 2019	Wind Speed (kts)	2
F33	07 May 2019	Wind Dir	SW
F33	07 May 2019	Water Color	Brownish-Green
F33	07 May 2019	Wave Ht Low (ft)	4
F33	07 May 2019	Wave Period (sec)	13
F33	07 May 2019	Sea State	Confused swell
F33	07 May 2019	High Tide (ft)	6.33
F33	07 May 2019	High Tide Time	2106
F33	07 May 2019	Low Tide (ft)	-0.71
F33	07 May 2019	Low Tide Time	405
F33	07 May 2019	Comments	none
F34	07 May 2019	Depth (m)	101
F34	07 May 2019	Arrive Time	1006
F34	07 May 2019	Depart Time	1022
F34	07 May 2019	Air Temp (C)	16
F34	07 May 2019	Weather	Partly Cloudy
F34	07 May 2019	Visibility (mi)	8
F34	07 May 2019	Wind Speed (kts)	6
F34	07 May 2019	Wind Dir	SW
F34	07 May 2019	Water Color	Brownish-Green
F34	07 May 2019	Wave Ht Low (ft)	4
F34	07 May 2019	Wave Period (sec)	13
F34	07 May 2019	Sea State	Confused swell
F34	07 May 2019	High Tide (ft)	6.33
F34	07 May 2019	High Tide Time	2106
F34	07 May 2019	Low Tide (ft)	-0.71
F34	07 May 2019	Low Tide Time	405
F34	07 May 2019	Comments	none
F35	07 May 2019	Depth (m)	100
F35	07 May 2019	Arrive Time	927
F35	07 May 2019	Depart Time	955
F35	07 May 2019	Air Temp (C)	16
F35	07 May 2019	Weather	Partly Cloudy
F35	07 May 2019	Visibility (mi)	8
F35	07 May 2019	Wind Speed (kts)	11
F35	07 May 2019	Wind Dir	SW
F35	07 May 2019	Water Color	Brownish-Green
F35	07 May 2019	Wave Ht Low (ft)	4
F35	07 May 2019	Wave Period (sec)	13

Station	Date	Parameter	Value
F35	07 May 2019	Sea State	Confused swell
F35	07 May 2019	High Tide (ft)	6.33
F35	07 May 2019	High Tide Time	2106
F35	07 May 2019	Low Tide (ft)	-0.71
F35	07 May 2019	Low Tide Time	405
F35	07 May 2019	Comments	none
F36	07 May 2019	Depth (m)	100
F36	07 May 2019	Arrive Time	847
F36	07 May 2019	Depart Time	917
F36	07 May 2019	Air Temp (C)	16
F36	07 May 2019	Weather	Partly Cloudy
F36	07 May 2019	Visibility (mi)	8
F36	07 May 2019	Wind Speed (kts)	10
F36	07 May 2019	Wind Dir	S
F36	07 May 2019	Water Color	Brownish-Green
F36	07 May 2019	Wave Ht Low (ft)	4
F36	07 May 2019	Wave Period (sec)	13
F36	07 May 2019	Sea State	Confused swell
F36	07 May 2019	High Tide (ft)	6.33
F36	07 May 2019	High Tide Time	2106
F36	07 May 2019	Low Tide (ft)	-0.71
F36	07 May 2019	Low Tide Time	405
F36	07 May 2019	Comments	none

**Table 4.4**

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

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma\text{-t}$ )	Chlor ( $\mu\text{g/L}$ )
F01	08 May 2019	1	15.93	77.14	8.2	33.62	8.2	24.7	1.30
F01	08 May 2019	2	15.76	77.10	8.0	33.64	8.2	24.8	1.35
F01	08 May 2019	3	14.71	76.60	7.7	33.69	8.2	25.0	1.57
F01	08 May 2019	4	14.02	74.22	7.7	33.64	8.1	25.1	2.05
F01	08 May 2019	5	13.95	74.35	7.6	33.62	8.1	25.1	2.58
F01	08 May 2019	6	13.81	74.67	7.5	33.63	8.1	25.2	3.07
F01	08 May 2019	7	13.30	74.83	7.2	33.65	8.1	25.3	3.38
F01	08 May 2019	8	12.91	77.56	6.9	33.64	8.1	25.4	3.22
F01	08 May 2019	9	12.72	80.48	6.6	33.63	8.1	25.4	2.80
F01	08 May 2019	10	12.62	81.83	6.4	33.63	8.0	25.4	2.52
F01	08 May 2019	11	12.16	82.83	6.2	33.66	8.0	25.5	2.19
F01	08 May 2019	12	11.80	84.76	5.9	33.63	8.0	25.6	1.79
F01	08 May 2019	13	11.71	85.89	5.8	33.63	8.0	25.6	1.53
F01	08 May 2019	14	11.78	86.30	5.7	33.63	8.0	25.6	1.42
F01	08 May 2019	15	11.57	85.89	5.6	33.65	8.0	25.6	1.34
F01	08 May 2019	16	11.55	85.37	5.4	33.65	7.9	25.6	1.31
F01	08 May 2019	17	11.55	84.87	5.4	33.65	7.9	25.6	1.30
F01	08 May 2019	18	11.55	84.66	5.4	33.65	7.9	25.6	1.35
F01	08 May 2019	19	11.55	83.81	5.3	33.65	7.9	25.6	1.32
F01	08 May 2019	20	11.55	83.74	5.3	33.65	7.9	25.6	1.29
F02	08 May 2019	1	17.20	78.88	8.2	33.65	8.2	24.4	1.25
F02	08 May 2019	2	16.65	76.63	7.8	33.67	8.2	24.6	1.44
F02	08 May 2019	3	15.86	78.76	7.0	33.78	8.1	24.8	1.69
F02	08 May 2019	4	13.80	78.73	6.9	33.69	8.1	25.2	2.23
F02	08 May 2019	5	13.81	78.45	6.8	33.63	8.0	25.2	2.81
F02	08 May 2019	6	13.58	77.94	6.8	33.63	8.0	25.2	3.20
F02	08 May 2019	7	13.28	77.82	6.8	33.65	8.0	25.3	3.64
F02	08 May 2019	8	12.94	78.43	6.5	33.65	8.0	25.4	3.81
F02	08 May 2019	9	12.22	81.02	6.1	33.66	8.0	25.5	3.10
F02	08 May 2019	10	12.12	82.49	5.9	33.64	8.0	25.5	2.42
F02	08 May 2019	11	12.05	83.30	5.8	33.64	7.9	25.5	2.09
F02	08 May 2019	12	12.06	83.83	5.8	33.65	7.9	25.5	2.01
F02	08 May 2019	13	11.87	84.63	5.6	33.66	7.9	25.6	1.78
F02	08 May 2019	14	11.80	84.59	5.5	33.65	7.9	25.6	1.63
F02	08 May 2019	15	11.72	84.40	5.4	33.67	7.9	25.6	1.65
F02	08 May 2019	16	11.54	84.50	5.3	33.67	7.9	25.6	1.38
F02	08 May 2019	17	11.57	85.02	5.2	33.66	7.9	25.6	1.19
F02	08 May 2019	18	11.45	85.28	5.1	33.67	7.9	25.7	0.95
F02	08 May 2019	19	11.25	85.18	5.0	33.69	7.9	25.7	0.82
F02	08 May 2019	20	11.07	83.47	4.9	33.69	7.9	25.7	0.73
F03	08 May 2019	1	17.13	78.39	8.1	33.64	8.2	24.4	1.11
F03	08 May 2019	2	17.13	77.06	8.0	33.64	8.2	24.4	1.13
F03	08 May 2019	3	17.10	78.04	8.0	33.65	8.2	24.5	1.20
F03	08 May 2019	4	16.95	79.44	8.2	33.64	8.2	24.5	1.55
F03	08 May 2019	5	16.19	79.20	7.8	33.72	8.2	24.7	2.30
F03	08 May 2019	6	14.51	74.76	7.5	33.70	8.2	25.1	3.89
F03	08 May 2019	7	13.61	76.16	7.3	33.63	8.1	25.2	4.24
F03	08 May 2019	8	13.59	77.24	6.9	33.66	8.1	25.2	4.36
F03	08 May 2019	9	12.57	77.56	6.6	33.66	8.0	25.4	4.44
F03	08 May 2019	10	12.60	78.16	6.3	33.61	8.0	25.4	4.55
F03	08 May 2019	11	12.07	80.44	6.0	33.65	8.0	25.5	3.89
F03	08 May 2019	12	11.93	82.26	5.7	33.64	8.0	25.5	2.84
F03	08 May 2019	13	11.85	84.00	5.6	33.64	7.9	25.6	2.08
F03	08 May 2019	14	11.83	84.27	5.5	33.64	7.9	25.6	1.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F03	08 May 2019	15	11.75	84.58	5.5	33.65	7.9	25.6	1.60
F03	08 May 2019	16	11.69	84.75	5.4	33.65	7.9	25.6	1.61
F03	08 May 2019	17	11.60	84.01	5.3	33.66	7.9	25.6	1.41
F03	08 May 2019	18	11.61	83.71	5.3	33.66	7.9	25.6	1.24
F03	08 May 2019	19	11.61	83.76	5.3	33.66	7.9	25.6	1.17
F04	08 May 2019	1	16.05	78.32	8.4	33.63	8.2	24.7	1.32
F04	08 May 2019	2	15.85	77.74	8.5	33.65	8.2	24.7	1.34
F04	08 May 2019	3	15.71	76.85	8.5	33.64	8.2	24.8	1.69
F04	08 May 2019	4	15.64	76.59	8.4	33.65	8.2	24.8	2.02
F04	08 May 2019	5	14.97	73.97	7.9	33.67	8.2	24.9	2.80
F04	08 May 2019	6	13.60	78.55	7.2	33.64	8.1	25.2	2.69
F04	08 May 2019	7	12.88	80.28	6.7	33.69	8.1	25.4	2.46
F04	08 May 2019	8	12.17	81.39	6.1	33.64	8.0	25.5	2.20
F04	08 May 2019	9	11.98	83.89	5.7	33.62	8.0	25.5	1.79
F04	08 May 2019	10	11.78	85.15	5.5	33.64	8.0	25.6	1.38
F04	08 May 2019	11	11.67	86.00	5.4	33.63	7.9	25.6	1.11
F04	08 May 2019	12	11.58	86.34	5.3	33.64	7.9	25.6	0.99
F04	08 May 2019	13	11.49	86.68	5.3	33.65	7.9	25.6	0.89
F04	08 May 2019	14	11.43	87.41	5.3	33.65	7.9	25.6	0.80
F04	08 May 2019	15	11.34	87.39	5.2	33.66	7.9	25.7	0.75
F04	08 May 2019	16	11.32	87.52	5.2	33.66	7.9	25.7	0.73
F04	08 May 2019	17	11.29	87.67	5.2	33.66	7.9	25.7	0.72
F04	08 May 2019	18	11.27	87.74	5.1	33.67	7.9	25.7	0.70
F04	08 May 2019	19	11.16	87.70	5.1	33.68	7.9	25.7	0.70
F04	08 May 2019	20	11.18	87.64	5.1	33.68	7.9	25.7	0.69
F04	08 May 2019	21	11.13	87.57	5.0	33.68	7.9	25.7	0.68
F04	08 May 2019	22	11.12	87.41	5.0	33.68	7.9	25.7	0.68
F04	08 May 2019	23	11.12	87.31	5.0	33.68	7.9	25.7	0.68
F04	08 May 2019	24	11.08	87.04	5.0	33.69	7.9	25.7	0.69
F04	08 May 2019	25	10.92	86.91	4.9	33.71	7.9	25.8	0.64
F04	08 May 2019	26	10.75	87.23	4.9	33.71	7.9	25.8	0.59
F04	08 May 2019	27	10.74	88.00	5.0	33.70	7.9	25.8	0.55
F04	08 May 2019	28	10.68	88.33	5.0	33.71	7.9	25.8	0.54
F04	08 May 2019	29	10.65	88.43	5.0	33.71	7.9	25.8	0.52
F04	08 May 2019	30	10.65	88.36	4.9	33.71	7.9	25.8	0.51
F04	08 May 2019	31	10.63	88.63	4.9	33.71	7.9	25.8	0.51
F04	08 May 2019	32	10.62	88.76	4.8	33.72	7.9	25.8	0.51
F04	08 May 2019	33	10.62	88.83	4.8	33.72	7.9	25.8	0.50
F04	08 May 2019	34	10.62	88.86	4.8	33.72	7.9	25.8	0.50
F04	08 May 2019	35	10.62	88.87	4.8	33.73	7.9	25.8	0.50
F04	08 May 2019	36	10.62	88.80	4.8	33.73	7.9	25.9	0.50
F04	08 May 2019	37	10.51	88.81	4.8	33.74	7.9	25.9	0.50
F04	08 May 2019	38	10.45	88.79	4.8	33.74	7.9	25.9	0.47
F04	08 May 2019	39	10.43	88.85	4.8	33.74	7.9	25.9	0.45
F04	08 May 2019	40	10.36	88.88	4.7	33.75	7.9	25.9	0.44
F04	08 May 2019	41	10.35	88.96	4.7	33.75	7.9	25.9	0.44
F04	08 May 2019	42	10.33	89.02	4.7	33.75	7.9	25.9	0.43
F04	08 May 2019	43	10.31	89.01	4.6	33.76	7.9	25.9	0.43
F04	08 May 2019	44	10.30	88.99	4.6	33.77	7.8	25.9	0.42
F04	08 May 2019	45	10.30	88.93	4.5	33.77	7.8	25.9	0.44
F04	08 May 2019	46	10.27	88.60	4.4	33.78	7.8	26.0	0.43
F04	08 May 2019	47	10.25	88.38	4.3	33.78	7.8	26.0	0.42
F04	08 May 2019	48	10.25	88.24	4.3	33.78	7.8	26.0	0.41
F04	08 May 2019	49	10.25	88.16	4.3	33.80	7.8	26.0	0.41
F04	08 May 2019	50	10.27	88.01	4.2	33.81	7.8	26.0	0.41
F04	08 May 2019	51	10.27	87.53	4.1	33.82	7.8	26.0	0.40
F04	08 May 2019	52	10.27	87.23	4.1	33.82	7.8	26.0	0.41
F04	08 May 2019	53	10.25	87.04	4.0	33.84	7.8	26.0	0.41
F04	08 May 2019	54	10.22	86.79	3.9	33.84	7.8	26.0	0.40
F04	08 May 2019	55	10.21	85.91	3.9	33.85	7.8	26.0	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F04	08 May 2019	56	10.22	85.01	3.8	33.85	7.8	26.0	0.40
F04	08 May 2019	57	10.22	84.77	3.8	33.86	7.8	26.0	0.41
F04	08 May 2019	58	10.22	84.53	3.8	33.86	7.8	26.0	0.43
F04	08 May 2019	59	10.23	84.38	3.8	33.86	7.8	26.0	0.40
F04	08 May 2019	60	10.23	84.46	3.8	33.86	7.8	26.0	0.41
F04	08 May 2019	61	10.22	83.98	3.8	33.86	7.8	26.0	0.41
F04	08 May 2019	62	10.22	83.64	3.8	33.86	7.8	26.0	0.40
F05	08 May 2019	1	15.83	76.23	8.4	33.62	8.2	24.7	1.36
F05	08 May 2019	2	15.69	76.29	8.4	33.63	8.2	24.8	1.47
F05	08 May 2019	3	15.63	75.87	8.3	33.62	8.2	24.8	1.79
F05	08 May 2019	4	15.59	75.51	8.3	33.62	8.2	24.8	2.11
F05	08 May 2019	5	15.56	75.43	8.3	33.62	8.2	24.8	2.49
F05	08 May 2019	6	15.36	75.63	8.2	33.64	8.2	24.8	2.89
F05	08 May 2019	7	15.00	75.14	7.8	33.66	8.2	24.9	3.36
F05	08 May 2019	8	12.57	78.60	6.6	33.73	8.1	25.5	3.31
F05	08 May 2019	9	12.08	82.40	6.0	33.63	8.0	25.5	2.49
F05	08 May 2019	10	12.05	83.26	5.8	33.62	8.0	25.5	2.17
F05	08 May 2019	11	11.81	84.28	5.6	33.64	8.0	25.6	1.83
F05	08 May 2019	12	11.76	85.51	5.5	33.63	7.9	25.6	1.55
F05	08 May 2019	13	11.65	85.71	5.4	33.64	7.9	25.6	1.39
F05	08 May 2019	14	11.61	85.27	5.4	33.64	7.9	25.6	1.24
F05	08 May 2019	15	11.62	85.97	5.3	33.65	7.9	25.6	1.19
F05	08 May 2019	16	11.42	86.13	5.2	33.67	7.9	25.7	1.12
F05	08 May 2019	17	11.30	86.42	5.1	33.67	7.9	25.7	1.01
F05	08 May 2019	18	11.27	86.56	5.1	33.68	7.9	25.7	0.93
F05	08 May 2019	19	11.06	86.71	5.1	33.70	7.9	25.8	0.88
F05	08 May 2019	20	10.92	86.97	5.0	33.70	7.9	25.8	0.76
F05	08 May 2019	21	10.92	87.20	5.0	33.69	7.9	25.8	0.71
F05	08 May 2019	22	10.76	87.95	5.0	33.71	7.9	25.8	0.66
F05	08 May 2019	23	10.71	88.35	5.0	33.70	7.9	25.8	0.60
F05	08 May 2019	24	10.69	88.58	5.0	33.70	7.9	25.8	0.58
F05	08 May 2019	25	10.70	88.54	5.0	33.70	7.9	25.8	0.57
F05	08 May 2019	26	10.68	88.60	5.0	33.70	7.9	25.8	0.57
F05	08 May 2019	27	10.67	88.65	5.0	33.71	7.9	25.8	0.56
F05	08 May 2019	28	10.66	88.71	5.0	33.71	7.9	25.8	0.56
F05	08 May 2019	29	10.66	88.72	4.9	33.71	7.9	25.8	0.56
F05	08 May 2019	30	10.65	88.73	4.9	33.71	7.9	25.8	0.57
F05	08 May 2019	31	10.65	88.81	4.9	33.72	7.9	25.8	0.57
F05	08 May 2019	32	10.60	88.87	4.9	33.73	7.9	25.9	0.54
F05	08 May 2019	33	10.58	88.86	4.8	33.73	7.9	25.9	0.53
F05	08 May 2019	34	10.57	88.87	4.8	33.73	7.9	25.9	0.52
F05	08 May 2019	35	10.44	88.92	4.7	33.75	7.9	25.9	0.50
F05	08 May 2019	36	10.39	88.97	4.8	33.74	7.9	25.9	0.48
F05	08 May 2019	37	10.34	88.92	4.7	33.75	7.9	25.9	0.47
F05	08 May 2019	38	10.33	88.85	4.7	33.75	7.9	25.9	0.46
F05	08 May 2019	39	10.33	88.78	4.6	33.75	7.9	25.9	0.46
F05	08 May 2019	40	10.32	88.50	4.5	33.76	7.8	25.9	0.47
F05	08 May 2019	41	10.32	88.29	4.5	33.76	7.8	25.9	0.46
F05	08 May 2019	42	10.34	87.97	4.3	33.77	7.8	25.9	0.46
F05	08 May 2019	43	10.34	87.69	4.3	33.78	7.8	25.9	0.45
F05	08 May 2019	44	10.33	87.30	4.2	33.78	7.8	25.9	0.45
F05	08 May 2019	45	10.34	86.77	4.2	33.79	7.8	26.0	0.46
F05	08 May 2019	46	10.35	86.52	4.1	33.80	7.8	26.0	0.45
F05	08 May 2019	47	10.34	86.27	4.1	33.81	7.8	26.0	0.45
F05	08 May 2019	48	10.33	85.93	4.0	33.81	7.8	26.0	0.45
F05	08 May 2019	49	10.34	85.56	4.0	33.81	7.8	26.0	0.44
F05	08 May 2019	50	10.33	84.60	4.0	33.82	7.8	26.0	0.44
F05	08 May 2019	51	10.33	84.82	4.0	33.82	7.8	26.0	0.45
F05	08 May 2019	52	10.32	85.01	4.0	33.82	7.8	26.0	0.44
F05	08 May 2019	53	10.31	84.79	4.0	33.83	7.8	26.0	0.45

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F05	08 May 2019	54	10.31	84.68	4.0	33.83	7.8	26.0	0.44
F05	08 May 2019	55	10.30	84.64	3.9	33.83	7.8	26.0	0.44
F05	08 May 2019	56	10.29	84.44	4.0	33.83	7.8	26.0	0.44
F05	08 May 2019	57	10.30	84.54	4.0	33.83	7.8	26.0	0.44
F05	08 May 2019	58	10.29	84.39	4.0	33.83	7.8	26.0	0.44
F05	08 May 2019	59	10.28	84.37	3.9	33.83	7.8	26.0	0.44
F05	08 May 2019	60	10.28	84.31	4.0	33.83	7.8	26.0	0.44
F05	08 May 2019	61	10.28	84.22	4.0	33.83	7.8	26.0	0.47
F05	08 May 2019	62	10.28	84.13	4.0	33.83	7.8	26.0	0.43
F06	08 May 2019	1	16.01	59.76	8.4	33.53	8.2	24.6	1.38
F06	08 May 2019	2	15.97	70.89	8.4	33.62	8.2	24.7	1.45
F06	08 May 2019	3	15.89	76.86	8.4	33.62	8.2	24.7	1.71
F06	08 May 2019	4	15.87	76.92	8.4	33.63	8.2	24.7	1.96
F06	08 May 2019	5	15.85	76.71	8.4	33.63	8.2	24.7	2.15
F06	08 May 2019	6	15.83	76.52	8.4	33.63	8.2	24.7	2.35
F06	08 May 2019	7	15.78	76.08	8.4	33.64	8.2	24.8	2.67
F06	08 May 2019	8	15.73	76.34	8.4	33.64	8.2	24.8	2.78
F06	08 May 2019	9	15.48	75.63	8.2	33.65	8.2	24.8	3.00
F06	08 May 2019	10	14.82	75.42	7.9	33.65	8.2	25.0	3.63
F06	08 May 2019	11	13.71	77.21	7.1	33.74	8.1	25.3	3.83
F06	08 May 2019	12	12.24	81.67	6.4	33.64	8.0	25.5	3.04
F06	08 May 2019	13	12.14	83.21	6.1	33.65	8.0	25.5	2.45
F06	08 May 2019	14	11.77	84.85	5.8	33.64	8.0	25.6	1.92
F06	08 May 2019	15	11.73	85.60	5.7	33.64	8.0	25.6	1.61
F06	08 May 2019	16	11.54	85.56	5.5	33.65	8.0	25.6	1.53
F06	08 May 2019	17	11.42	86.34	5.3	33.66	7.9	25.7	1.19
F06	08 May 2019	18	11.25	86.64	5.2	33.66	7.9	25.7	0.93
F06	08 May 2019	19	11.24	86.30	5.2	33.67	7.9	25.7	0.86
F06	08 May 2019	20	11.07	86.47	5.1	33.68	7.9	25.7	0.78
F06	08 May 2019	21	11.01	87.11	5.2	33.68	7.9	25.7	0.69
F06	08 May 2019	22	10.98	87.54	5.2	33.68	7.9	25.8	0.66
F06	08 May 2019	23	10.90	87.86	5.1	33.69	7.9	25.8	0.63
F06	08 May 2019	24	10.86	88.02	5.1	33.69	7.9	25.8	0.61
F06	08 May 2019	25	10.84	88.25	5.1	33.69	7.9	25.8	0.58
F06	08 May 2019	26	10.80	88.44	5.1	33.70	7.9	25.8	0.57
F06	08 May 2019	27	10.72	88.53	5.0	33.71	7.9	25.8	0.55
F06	08 May 2019	28	10.69	88.67	5.0	33.71	7.9	25.8	0.52
F06	08 May 2019	29	10.68	88.74	5.0	33.71	7.9	25.8	0.51
F06	08 May 2019	30	10.65	88.83	4.9	33.72	7.9	25.8	0.50
F06	08 May 2019	31	10.59	88.81	4.9	33.72	7.9	25.9	0.49
F06	08 May 2019	32	10.57	88.81	4.9	33.72	7.9	25.9	0.47
F06	08 May 2019	33	10.54	88.85	4.8	33.73	7.9	25.9	0.47
F06	08 May 2019	34	10.52	88.86	4.8	33.73	7.9	25.9	0.45
F06	08 May 2019	35	10.44	88.87	4.8	33.74	7.9	25.9	0.45
F06	08 May 2019	36	10.42	88.97	4.8	33.74	7.9	25.9	0.43
F06	08 May 2019	37	10.35	88.86	4.7	33.75	7.9	25.9	0.42
F06	08 May 2019	38	10.33	88.14	4.5	33.74	7.8	25.9	0.41
F06	08 May 2019	39	10.34	87.46	4.3	33.75	7.8	25.9	0.41
F06	08 May 2019	40	10.36	87.32	4.3	33.75	7.8	25.9	0.40
F06	08 May 2019	41	10.45	86.08	4.2	33.78	7.8	25.9	0.41
F06	08 May 2019	42	10.48	85.68	4.1	33.79	7.8	25.9	0.42
F06	08 May 2019	43	10.45	84.93	4.0	33.79	7.8	25.9	0.41
F06	08 May 2019	44	10.42	85.47	4.0	33.79	7.8	25.9	0.41
F06	08 May 2019	45	10.41	85.88	4.0	33.79	7.8	25.9	0.40
F06	08 May 2019	46	10.40	86.06	4.1	33.79	7.8	25.9	0.39
F06	08 May 2019	47	10.39	86.00	4.1	33.79	7.8	25.9	0.39
F06	08 May 2019	48	10.39	85.84	4.1	33.79	7.8	25.9	0.39
F06	08 May 2019	49	10.38	85.84	4.0	33.80	7.8	25.9	0.39
F06	08 May 2019	50	10.38	85.83	4.0	33.80	7.8	25.9	0.39
F06	08 May 2019	51	10.38	85.91	4.0	33.80	7.8	25.9	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F06	08 May 2019	52	10.37	85.65	4.0	33.80	7.8	25.9	0.39
	08 May 2019	53	10.38	85.28	4.0	33.80	7.8	25.9	0.39
	08 May 2019	54	10.34	85.14	4.0	33.81	7.8	26.0	0.38
	08 May 2019	55	10.32	85.06	4.0	33.81	7.8	26.0	0.38
	08 May 2019	56	10.31	84.52	4.0	33.81	7.8	26.0	0.42
	08 May 2019	57	10.29	83.90	4.0	33.81	7.8	26.0	0.46
	08 May 2019	58	10.29	83.63	4.0	33.81	7.8	26.0	0.39
	08 May 2019	59	10.29	83.79	4.0	33.81	7.8	26.0	0.40
	08 May 2019	60	10.29	83.72	4.0	33.81	7.8	26.0	0.40
	08 May 2019	61	10.30	83.53	4.0	33.81	7.8	26.0	0.43
F07	08 May 2019	1	16.07	79.53	8.6	33.64	8.2	24.7	1.27
	08 May 2019	2	16.04	79.45	8.5	33.65	8.2	24.7	1.35
	08 May 2019	3	15.92	78.55	8.4	33.65	8.2	24.7	1.67
	08 May 2019	4	15.90	77.49	8.4	33.64	8.2	24.7	1.99
	08 May 2019	5	15.74	76.66	8.3	33.65	8.2	24.8	2.45
	08 May 2019	6	15.67	76.49	8.3	33.64	8.2	24.8	2.81
	08 May 2019	7	15.63	77.10	8.2	33.64	8.2	24.8	3.03
	08 May 2019	8	14.81	76.72	7.9	33.70	8.2	25.0	3.40
	08 May 2019	9	14.19	76.57	7.6	33.64	8.2	25.1	4.00
	08 May 2019	10	13.54	76.69	7.3	33.69	8.1	25.3	4.28
	08 May 2019	11	12.96	79.74	6.9	33.64	8.1	25.3	4.01
	08 May 2019	12	12.27	81.44	6.4	33.64	8.0	25.5	3.18
	08 May 2019	13	12.07	82.14	6.1	33.64	8.0	25.5	2.71
	08 May 2019	14	11.91	83.34	5.9	33.64	8.0	25.5	2.35
	08 May 2019	15	11.82	84.45	5.8	33.63	8.0	25.6	1.92
	08 May 2019	16	11.84	85.09	5.8	33.64	8.0	25.6	1.78
	08 May 2019	17	11.64	85.81	5.6	33.65	8.0	25.6	1.56
	08 May 2019	18	11.49	86.32	5.5	33.66	8.0	25.6	1.31
	08 May 2019	19	11.45	86.43	5.4	33.66	7.9	25.6	1.18
	08 May 2019	20	11.38	86.77	5.3	33.66	7.9	25.7	1.04
	08 May 2019	21	11.28	87.05	5.2	33.67	7.9	25.7	0.95
	08 May 2019	22	11.22	87.25	5.2	33.67	7.9	25.7	0.88
	08 May 2019	23	11.13	87.40	5.1	33.68	7.9	25.7	0.84
	08 May 2019	24	10.93	87.50	5.1	33.69	7.9	25.8	0.76
	08 May 2019	25	10.88	88.02	5.1	33.69	7.9	25.8	0.65
	08 May 2019	26	10.77	87.86	5.1	33.70	7.9	25.8	0.61
	08 May 2019	27	10.64	88.44	5.0	33.70	7.9	25.8	0.55
	08 May 2019	28	10.65	88.58	5.0	33.70	7.9	25.8	0.52
	08 May 2019	29	10.60	88.81	5.0	33.71	7.9	25.8	0.50
	08 May 2019	30	10.59	88.78	4.9	33.71	7.9	25.8	0.49
	08 May 2019	31	10.55	88.67	4.9	33.72	7.9	25.9	0.48
	08 May 2019	32	10.51	88.79	4.9	33.72	7.9	25.9	0.45
	08 May 2019	33	10.49	88.78	4.8	33.73	7.9	25.9	0.45
	08 May 2019	34	10.47	88.85	4.8	33.73	7.9	25.9	0.45
	08 May 2019	35	10.42	88.79	4.8	33.74	7.9	25.9	0.43
	08 May 2019	36	10.38	88.57	4.7	33.75	7.9	25.9	0.42
	08 May 2019	37	10.37	88.55	4.6	33.75	7.9	25.9	0.42
	08 May 2019	38	10.36	88.54	4.6	33.75	7.9	25.9	0.41
	08 May 2019	39	10.36	88.63	4.6	33.75	7.9	25.9	0.41
	08 May 2019	40	10.36	88.53	4.6	33.75	7.9	25.9	0.41
	08 May 2019	41	10.36	88.22	4.6	33.75	7.8	25.9	0.41
	08 May 2019	42	10.36	87.92	4.5	33.75	7.8	25.9	0.40
	08 May 2019	43	10.36	87.91	4.4	33.75	7.8	25.9	0.40
	08 May 2019	44	10.38	87.05	4.3	33.76	7.8	25.9	0.39
	08 May 2019	45	10.38	86.74	4.2	33.76	7.8	25.9	0.39
	08 May 2019	46	10.38	86.52	4.2	33.76	7.8	25.9	0.38
	08 May 2019	47	10.39	86.43	4.2	33.76	7.8	25.9	0.38
	08 May 2019	48	10.39	85.97	4.2	33.76	7.8	25.9	0.38
	08 May 2019	49	10.39	85.74	4.2	33.76	7.8	25.9	0.39
	08 May 2019	50	10.38	85.80	4.2	33.76	7.8	25.9	0.38

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F07	08 May 2019	51	10.41	85.69	4.1	33.76	7.8	25.9	0.39
F07	08 May 2019	52	10.42	84.11	4.0	33.77	7.8	25.9	0.39
F07	08 May 2019	53	10.41	83.70	4.0	33.77	7.8	25.9	0.39
F07	08 May 2019	54	10.40	83.58	4.0	33.78	7.8	25.9	0.39
F07	08 May 2019	55	10.39	83.71	4.0	33.78	7.8	25.9	0.39
F07	08 May 2019	56	10.39	83.83	4.0	33.78	7.8	25.9	0.38
F07	08 May 2019	57	10.38	84.08	4.1	33.78	7.8	25.9	0.39
F07	08 May 2019	58	10.35	84.38	4.1	33.79	7.8	25.9	0.39
F07	08 May 2019	59	10.35	84.71	4.1	33.78	7.8	25.9	0.39
F07	08 May 2019	60	10.33	84.78	4.1	33.79	7.8	26.0	0.38
F07	08 May 2019	61	10.27	84.67	4.1	33.81	7.8	26.0	0.38
F07	08 May 2019	62	10.24	83.68	4.1	33.81	7.8	26.0	0.38
F07	08 May 2019	63	10.22	79.47	4.0	33.82	7.8	26.0	0.38
F07	08 May 2019	64	10.22	75.97	4.0	33.83	7.8	26.0	0.39
F08	08 May 2019	1	15.66	77.91	8.4	33.65	8.2	24.8	1.87
F08	08 May 2019	2	15.54	77.63	8.3	33.65	8.2	24.8	2.05
F08	08 May 2019	3	15.47	76.54	8.3	33.64	8.2	24.8	2.69
F08	08 May 2019	4	15.45	76.69	8.2	33.64	8.2	24.8	3.02
F08	08 May 2019	5	15.23	76.11	8.2	33.62	8.2	24.9	3.75
F08	08 May 2019	6	14.85	74.96	8.0	33.68	8.2	25.0	4.14
F08	08 May 2019	7	14.13	74.10	7.9	33.63	8.1	25.1	5.02
F08	08 May 2019	8	13.97	74.07	7.6	33.64	8.1	25.1	5.35
F08	08 May 2019	9	13.44	76.29	7.1	33.65	8.1	25.3	5.09
F08	08 May 2019	10	12.48	79.73	6.6	33.66	8.0	25.5	4.02
F08	08 May 2019	11	12.47	81.93	6.4	33.62	8.0	25.4	3.22
F08	08 May 2019	12	11.97	83.63	5.9	33.66	8.0	25.6	2.66
F08	08 May 2019	13	11.59	85.19	5.5	33.66	8.0	25.6	1.83
F08	08 May 2019	14	11.65	85.78	5.5	33.64	7.9	25.6	1.45
F08	08 May 2019	15	11.54	85.27	5.3	33.65	7.9	25.6	1.29
F08	08 May 2019	16	11.54	85.29	5.3	33.65	7.9	25.6	1.23
F08	08 May 2019	17	11.54	85.39	5.3	33.66	7.9	25.6	1.21
F08	08 May 2019	18	11.53	85.31	5.3	33.66	7.9	25.6	1.18
F08	08 May 2019	19	11.49	85.61	5.2	33.66	7.9	25.6	1.15
F08	08 May 2019	20	11.41	86.11	5.3	33.67	7.9	25.7	1.09
F08	08 May 2019	21	11.32	86.74	5.2	33.68	7.9	25.7	1.03
F08	08 May 2019	22	11.25	86.80	5.2	33.67	7.9	25.7	0.94
F08	08 May 2019	23	11.15	86.62	5.1	33.69	7.9	25.7	0.84
F08	08 May 2019	24	10.99	86.50	5.0	33.69	7.9	25.8	0.73
F08	08 May 2019	25	10.91	87.25	5.0	33.69	7.9	25.8	0.64
F08	08 May 2019	26	10.77	88.13	5.1	33.70	7.9	25.8	0.60
F08	08 May 2019	27	10.67	88.05	5.0	33.70	7.9	25.8	0.55
F08	08 May 2019	28	10.64	88.65	5.0	33.70	7.9	25.8	0.51
F08	08 May 2019	29	10.64	88.69	5.0	33.70	7.9	25.8	0.50
F08	08 May 2019	30	10.62	88.73	5.0	33.70	7.9	25.8	0.49
F08	08 May 2019	31	10.60	88.69	5.0	33.71	7.9	25.8	0.49
F08	08 May 2019	32	10.60	88.67	4.9	33.71	7.9	25.8	0.49
F08	08 May 2019	33	10.58	88.67	4.9	33.71	7.9	25.8	0.48
F08	08 May 2019	34	10.56	88.61	4.9	33.72	7.9	25.9	0.48
F08	08 May 2019	35	10.55	88.69	4.9	33.72	7.9	25.9	0.48
F08	08 May 2019	36	10.54	88.66	4.8	33.72	7.9	25.9	0.51
F08	08 May 2019	37	10.51	88.46	4.8	33.72	7.9	25.9	0.47
F08	08 May 2019	38	10.51	88.31	4.8	33.72	7.9	25.9	0.46
F08	08 May 2019	39	10.51	88.02	4.7	33.72	7.9	25.9	0.45
F08	08 May 2019	40	10.50	87.59	4.6	33.72	7.8	25.9	0.45
F08	08 May 2019	41	10.48	87.34	4.5	33.73	7.8	25.9	0.44
F08	08 May 2019	42	10.48	87.18	4.4	33.72	7.8	25.9	0.44
F08	08 May 2019	43	10.48	87.08	4.4	33.72	7.8	25.9	0.43
F08	08 May 2019	44	10.47	87.37	4.5	33.72	7.8	25.9	0.43
F08	08 May 2019	45	10.47	87.54	4.6	33.72	7.8	25.9	0.43
F08	08 May 2019	46	10.48	87.34	4.4	33.73	7.8	25.9	0.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F08	08 May 2019	47	10.50	86.07	4.2	33.74	7.8	25.9	0.44
F08	08 May 2019	48	10.49	84.56	4.1	33.74	7.8	25.9	0.44
F08	08 May 2019	49	10.48	83.77	4.1	33.74	7.8	25.9	0.43
F08	08 May 2019	50	10.45	83.45	4.0	33.75	7.8	25.9	0.42
F08	08 May 2019	51	10.41	83.39	4.0	33.75	7.8	25.9	0.41
F08	08 May 2019	52	10.39	83.29	4.0	33.75	7.8	25.9	0.39
F08	08 May 2019	53	10.37	83.36	4.0	33.76	7.8	25.9	0.39
F08	08 May 2019	54	10.35	83.55	4.1	33.77	7.8	25.9	0.38
F08	08 May 2019	55	10.34	83.53	4.1	33.77	7.8	25.9	0.39
F08	08 May 2019	56	10.34	83.53	4.1	33.77	7.8	25.9	0.39
F08	08 May 2019	57	10.34	83.53	4.1	33.77	7.8	25.9	0.39
F08	08 May 2019	58	10.33	83.43	4.1	33.77	7.8	25.9	0.39
F08	08 May 2019	59	10.33	83.18	4.1	33.78	7.8	25.9	0.38
F08	08 May 2019	60	10.33	83.25	4.1	33.78	7.8	25.9	0.39
F08	08 May 2019	61	10.33	83.05	4.1	33.78	7.8	25.9	0.40
F09	08 May 2019	1	15.84	77.98	8.5	33.65	8.2	24.7	1.79
F09	08 May 2019	2	15.50	77.55	8.4	33.65	8.2	24.8	2.12
F09	08 May 2019	3	15.39	76.88	8.3	33.65	8.2	24.8	2.45
F09	08 May 2019	4	15.21	76.83	8.2	33.63	8.2	24.9	2.96
F09	08 May 2019	5	15.18	76.67	8.0	33.65	8.2	24.9	3.31
F09	08 May 2019	6	14.47	76.50	7.9	33.67	8.2	25.1	3.81
F09	08 May 2019	7	14.06	75.57	8.0	33.61	8.1	25.1	4.51
F09	08 May 2019	8	13.82	75.30	7.6	33.65	8.1	25.2	4.83
F09	08 May 2019	9	13.01	76.78	7.0	33.66	8.1	25.4	4.83
F09	08 May 2019	10	12.21	80.71	6.3	33.66	8.0	25.5	3.57
F09	08 May 2019	11	12.08	83.35	6.0	33.63	8.0	25.5	2.57
F09	08 May 2019	12	11.99	83.75	5.9	33.64	8.0	25.5	2.16
F09	08 May 2019	13	11.93	83.94	5.7	33.65	8.0	25.6	1.96
F09	08 May 2019	14	11.86	84.31	5.7	33.65	8.0	25.6	1.75
F09	08 May 2019	15	11.84	84.92	5.6	33.65	8.0	25.6	1.64
F09	08 May 2019	16	11.70	85.42	5.5	33.65	8.0	25.6	1.50
F09	08 May 2019	17	11.68	85.47	5.5	33.65	7.9	25.6	1.37
F09	08 May 2019	18	11.66	85.48	5.4	33.66	7.9	25.6	1.32
F09	08 May 2019	19	11.58	85.70	5.3	33.67	7.9	25.6	1.23
F09	08 May 2019	20	11.53	85.77	5.3	33.67	7.9	25.6	1.19
F09	08 May 2019	21	11.53	85.97	5.3	33.67	7.9	25.6	1.16
F09	08 May 2019	22	11.51	86.06	5.3	33.67	7.9	25.6	1.12
F09	08 May 2019	23	11.47	86.32	5.3	33.67	7.9	25.7	1.08
F09	08 May 2019	24	11.42	86.46	5.2	33.68	7.9	25.7	1.04
F09	08 May 2019	25	11.39	86.50	5.2	33.67	7.9	25.7	1.03
F09	08 May 2019	26	11.36	86.61	5.2	33.68	7.9	25.7	1.01
F09	08 May 2019	27	11.29	86.75	5.1	33.68	7.9	25.7	0.93
F09	08 May 2019	28	11.26	86.95	5.1	33.68	7.9	25.7	0.90
F09	08 May 2019	29	11.13	87.30	5.0	33.69	7.9	25.7	0.82
F09	08 May 2019	30	11.04	87.47	5.0	33.69	7.9	25.8	0.76
F09	08 May 2019	31	10.97	87.84	5.0	33.69	7.9	25.8	0.68
F09	08 May 2019	32	10.85	88.06	5.0	33.70	7.9	25.8	0.62
F09	08 May 2019	33	10.82	88.23	5.0	33.69	7.9	25.8	0.57
F09	08 May 2019	34	10.72	88.44	5.0	33.70	7.9	25.8	0.53
F09	08 May 2019	35	10.71	88.56	5.0	33.69	7.9	25.8	0.50
F09	08 May 2019	36	10.71	88.38	5.0	33.70	7.9	25.8	0.49
F09	08 May 2019	37	10.66	88.33	4.8	33.71	7.9	25.8	0.49
F09	08 May 2019	38	10.64	86.35	4.7	33.72	7.8	25.8	0.48
F09	08 May 2019	39	10.57	86.37	4.5	33.72	7.8	25.9	0.46
F09	08 May 2019	40	10.55	87.13	4.6	33.72	7.8	25.9	0.44
F09	08 May 2019	41	10.53	87.33	4.6	33.72	7.8	25.9	0.43
F09	08 May 2019	42	10.53	87.53	4.6	33.72	7.8	25.9	0.43
F09	08 May 2019	43	10.52	87.41	4.6	33.72	7.8	25.9	0.43
F09	08 May 2019	44	10.50	87.02	4.5	33.72	7.8	25.9	0.43
F09	08 May 2019	45	10.50	86.77	4.5	33.72	7.8	25.9	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F09	08 May 2019	46	10.50	86.47	4.4	33.72	7.8	25.9	0.41
F09	08 May 2019	47	10.49	85.66	4.3	33.73	7.8	25.9	0.40
F09	08 May 2019	48	10.49	84.93	4.3	33.73	7.8	25.9	0.40
F09	08 May 2019	49	10.49	84.86	4.2	33.73	7.8	25.9	0.40
F09	08 May 2019	50	10.49	84.83	4.2	33.73	7.8	25.9	0.40
F09	08 May 2019	51	10.49	84.89	4.3	33.73	7.8	25.9	0.40
F09	08 May 2019	52	10.48	84.96	4.3	33.73	7.8	25.9	0.40
F09	08 May 2019	53	10.48	84.83	4.3	33.73	7.8	25.9	0.40
F09	08 May 2019	54	10.48	84.64	4.3	33.73	7.8	25.9	0.41
F09	08 May 2019	55	10.48	83.64	4.3	33.73	7.8	25.9	0.40
F09	08 May 2019	56	10.49	81.91	4.2	33.73	7.8	25.9	0.40
F09	08 May 2019	57	10.49	80.04	4.2	33.73	7.8	25.9	0.41
F09	08 May 2019	58	10.43	65.90	4.0	33.76	7.8	25.9	0.42
F09	08 May 2019	59	10.40	58.56	4.0	33.76	7.8	25.9	0.41
F09	08 May 2019	60	10.39	56.17	4.0	33.76	7.8	25.9	0.42
F09	08 May 2019	61	10.39	53.11	3.9	33.76	7.8	25.9	0.42
F09	08 May 2019	62	10.39	54.16	4.0	33.76	7.8	25.9	0.43
F10	08 May 2019	1	15.28	77.04	8.1	33.64	8.2	24.9	2.51
F10	08 May 2019	2	15.29	77.00	8.0	33.64	8.2	24.9	2.57
F10	08 May 2019	3	15.14	76.99	7.8	33.65	8.2	24.9	2.80
F10	08 May 2019	4	14.59	76.60	7.7	33.66	8.1	25.0	3.36
F10	08 May 2019	5	14.39	75.99	7.6	33.64	8.1	25.1	3.98
F10	08 May 2019	6	14.13	75.75	7.4	33.66	8.1	25.1	4.41
F10	08 May 2019	7	13.60	75.95	7.2	33.65	8.1	25.2	4.43
F10	08 May 2019	8	13.45	76.68	7.0	33.63	8.1	25.2	4.36
F10	08 May 2019	9	13.35	77.66	6.8	33.64	8.1	25.3	4.09
F10	08 May 2019	10	12.91	78.76	6.5	33.67	8.1	25.4	3.75
F10	08 May 2019	11	12.32	80.60	6.2	33.67	8.0	25.5	3.29
F10	08 May 2019	12	12.25	82.49	6.0	33.64	8.0	25.5	2.83
F10	08 May 2019	13	12.05	83.66	5.9	33.64	8.0	25.5	2.36
F10	08 May 2019	14	11.95	84.42	5.8	33.64	8.0	25.5	1.99
F10	08 May 2019	15	11.85	84.75	5.7	33.65	8.0	25.6	1.78
F10	08 May 2019	16	11.84	85.01	5.7	33.65	8.0	25.6	1.57
F10	08 May 2019	17	11.82	85.02	5.6	33.65	8.0	25.6	1.52
F10	08 May 2019	18	11.82	85.04	5.6	33.65	8.0	25.6	1.51
F10	08 May 2019	19	11.79	85.10	5.6	33.65	8.0	25.6	1.45
F10	08 May 2019	20	11.71	85.36	5.5	33.66	7.9	25.6	1.34
F10	08 May 2019	21	11.64	85.48	5.4	33.66	7.9	25.6	1.24
F10	08 May 2019	22	11.63	85.49	5.4	33.66	7.9	25.6	1.18
F10	08 May 2019	23	11.59	85.51	5.3	33.67	7.9	25.6	1.13
F10	08 May 2019	24	11.55	85.51	5.2	33.67	7.9	25.6	1.10
F10	08 May 2019	25	11.44	85.69	5.1	33.68	7.9	25.7	1.01
F10	08 May 2019	26	11.38	85.94	5.1	33.68	7.9	25.7	0.93
F10	08 May 2019	27	11.38	85.97	5.1	33.68	7.9	25.7	0.90
F10	08 May 2019	28	11.37	85.98	5.1	33.68	7.9	25.7	0.89
F10	08 May 2019	29	11.36	86.12	5.1	33.68	7.9	25.7	0.88
F10	08 May 2019	30	11.33	86.36	5.1	33.68	7.9	25.7	0.90
F10	08 May 2019	31	11.30	86.49	5.1	33.68	7.9	25.7	0.86
F10	08 May 2019	32	11.27	86.67	5.1	33.68	7.9	25.7	0.82
F10	08 May 2019	33	11.26	86.71	5.1	33.68	7.9	25.7	0.79
F10	08 May 2019	34	11.19	86.87	5.0	33.68	7.9	25.7	0.78
F10	08 May 2019	35	11.13	87.12	5.0	33.69	7.9	25.7	0.75
F10	08 May 2019	36	11.12	87.29	5.0	33.68	7.9	25.7	0.74
F10	08 May 2019	37	11.09	87.36	5.0	33.69	7.9	25.7	0.67
F10	08 May 2019	38	11.08	87.40	5.0	33.69	7.9	25.7	0.66
F10	08 May 2019	39	11.08	87.28	5.0	33.69	7.9	25.7	0.66
F10	08 May 2019	40	11.06	87.21	5.0	33.69	7.9	25.7	0.67
F10	08 May 2019	41	11.01	87.25	4.9	33.69	7.9	25.8	0.64
F10	08 May 2019	42	11.00	87.13	4.9	33.69	7.9	25.8	0.64
F10	08 May 2019	43	11.02	86.08	4.8	33.70	7.9	25.8	0.64

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F10	08 May 2019	44	11.03	85.33	4.7	33.71	7.9	25.8	0.64
F10	08 May 2019	45	11.01	84.98	4.6	33.71	7.9	25.8	0.64
F10	08 May 2019	46	10.98	84.54	4.6	33.71	7.8	25.8	0.63
F10	08 May 2019	47	10.93	84.36	4.5	33.72	7.8	25.8	0.61
F10	08 May 2019	48	10.93	84.43	4.6	33.72	7.8	25.8	0.62
F10	08 May 2019	49	10.82	85.48	4.6	33.71	7.8	25.8	0.56
F10	08 May 2019	50	10.76	86.46	4.7	33.70	7.8	25.8	0.50
F10	08 May 2019	51	10.72	86.91	4.7	33.70	7.8	25.8	0.50
F10	08 May 2019	52	10.66	87.49	4.6	33.70	7.8	25.8	0.41
F10	08 May 2019	53	10.62	86.89	4.4	33.70	7.8	25.8	0.39
F10	08 May 2019	54	10.61	86.53	4.4	33.71	7.8	25.8	0.39
F10	08 May 2019	55	10.60	86.22	4.3	33.71	7.8	25.8	0.37
F10	08 May 2019	56	10.60	85.94	4.3	33.71	7.8	25.8	0.36
F10	08 May 2019	57	10.56	82.92	4.2	33.73	7.8	25.9	0.35
F10	08 May 2019	58	10.55	81.02	4.1	33.73	7.8	25.9	0.36
F10	08 May 2019	59	10.55	80.51	4.1	33.73	7.8	25.9	0.34
F10	08 May 2019	60	10.55	80.15	4.1	33.73	7.8	25.9	0.35
F10	08 May 2019	61	10.55	79.06	4.1	33.73	7.8	25.9	0.35
F10	08 May 2019	62	10.55	78.31	4.1	33.73	7.8	25.9	0.36
F11	08 May 2019	1	16.84	81.02	8.3	33.65	8.2	24.5	1.54
F11	08 May 2019	2	16.81	80.80	8.3	33.65	8.2	24.5	1.57
F11	08 May 2019	3	16.80	80.72	8.3	33.65	8.2	24.5	1.68
F11	08 May 2019	4	16.77	80.76	8.1	33.65	8.2	24.5	1.71
F11	08 May 2019	5	16.26	80.72	7.8	33.69	8.2	24.7	1.96
F11	08 May 2019	6	15.51	79.94	7.7	33.68	8.2	24.8	2.54
F11	08 May 2019	7	15.25	79.30	7.4	33.65	8.1	24.9	2.91
F11	08 May 2019	8	13.50	78.68	6.8	33.75	8.1	25.3	3.10
F11	08 May 2019	9	12.72	79.44	6.4	33.66	8.0	25.4	3.11
F11	08 May 2019	10	12.44	80.56	6.2	33.64	8.0	25.4	2.99
F11	08 May 2019	11	12.27	81.40	6.1	33.63	8.0	25.5	2.77
F11	08 May 2019	12	12.22	82.36	6.0	33.62	8.0	25.5	2.55
F11	08 May 2019	13	12.19	82.87	6.0	33.63	8.0	25.5	2.36
F11	08 May 2019	14	12.19	82.71	6.0	33.63	8.0	25.5	2.39
F11	08 May 2019	15	12.14	82.87	5.9	33.64	8.0	25.5	2.37
F11	08 May 2019	16	12.08	83.27	5.9	33.64	8.0	25.5	2.15
F11	08 May 2019	17	12.13	83.18	5.8	33.64	8.0	25.5	2.06
F11	08 May 2019	18	12.00	83.68	5.7	33.66	8.0	25.5	1.96
F11	08 May 2019	19	11.90	84.07	5.6	33.66	8.0	25.6	1.79
F11	08 May 2019	20	11.89	84.01	5.6	33.65	8.0	25.6	1.68
F11	08 May 2019	21	11.83	84.31	5.5	33.67	8.0	25.6	1.61
F11	08 May 2019	22	11.75	84.70	5.5	33.66	8.0	25.6	1.50
F11	08 May 2019	23	11.77	84.82	5.4	33.66	7.9	25.6	1.40
F11	08 May 2019	24	11.71	84.84	5.4	33.66	7.9	25.6	1.35
F11	08 May 2019	25	11.71	84.92	5.4	33.66	7.9	25.6	1.29
F11	08 May 2019	26	11.70	84.84	5.3	33.66	7.9	25.6	1.28
F11	08 May 2019	27	11.70	84.75	5.4	33.66	7.9	25.6	1.32
F11	08 May 2019	28	11.70	84.87	5.3	33.66	7.9	25.6	1.32
F11	08 May 2019	29	11.68	84.99	5.3	33.67	7.9	25.6	1.26
F11	08 May 2019	30	11.63	85.04	5.3	33.67	7.9	25.6	1.21
F11	08 May 2019	31	11.59	85.20	5.2	33.67	7.9	25.6	1.07
F11	08 May 2019	32	11.55	85.50	5.2	33.67	7.9	25.6	1.07
F11	08 May 2019	33	11.51	85.64	5.2	33.68	7.9	25.7	1.05
F11	08 May 2019	34	11.47	85.65	5.1	33.68	7.9	25.7	0.94
F11	08 May 2019	35	11.46	85.58	5.1	33.68	7.9	25.7	0.98
F11	08 May 2019	36	11.46	85.74	5.1	33.68	7.9	25.7	0.96
F11	08 May 2019	37	11.45	85.68	5.1	33.68	7.9	25.7	0.94
F11	08 May 2019	38	11.35	85.75	5.0	33.69	7.9	25.7	0.93
F11	08 May 2019	39	11.33	85.78	5.0	33.69	7.9	25.7	0.92
F11	08 May 2019	40	11.29	85.64	4.9	33.69	7.9	25.7	0.88
F11	08 May 2019	41	11.28	85.79	4.9	33.68	7.9	25.7	0.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F11	08 May 2019	42	11.28	85.98	4.9	33.69	7.9	25.7	0.84
F11	08 May 2019	43	11.20	85.99	4.9	33.69	7.9	25.7	0.80
F11	08 May 2019	44	11.14	86.25	4.9	33.69	7.9	25.7	0.75
F11	08 May 2019	45	11.13	86.50	4.9	33.69	7.9	25.7	0.77
F11	08 May 2019	46	10.98	86.13	4.8	33.69	7.9	25.8	0.65
F11	08 May 2019	47	10.93	85.28	4.7	33.69	7.9	25.8	0.60
F11	08 May 2019	48	10.86	84.11	4.6	33.70	7.9	25.8	0.52
F11	08 May 2019	49	10.84	81.76	4.6	33.70	7.8	25.8	0.49
F11	08 May 2019	50	10.83	82.88	4.6	33.70	7.8	25.8	0.46
F11	08 May 2019	51	10.79	83.08	4.6	33.70	7.8	25.8	0.45
F11	08 May 2019	52	10.77	82.90	4.5	33.70	7.8	25.8	0.44
F11	08 May 2019	53	10.76	81.37	4.5	33.70	7.8	25.8	0.42
F11	08 May 2019	54	10.73	80.47	4.5	33.70	7.8	25.8	0.40
F11	08 May 2019	55	10.70	80.00	4.4	33.71	7.8	25.8	0.39
F11	08 May 2019	56	10.59	79.50	4.3	33.72	7.8	25.9	0.35
F11	08 May 2019	57	10.52	77.67	4.2	33.72	7.8	25.9	0.31
F11	08 May 2019	58	10.48	75.04	4.1	33.72	7.8	25.9	0.30
F11	08 May 2019	59	10.45	72.33	4.0	33.72	7.8	25.9	0.28
F11	08 May 2019	60	10.40	70.25	4.0	33.73	7.8	25.9	0.27
F11	08 May 2019	61	10.37	68.63	4.0	33.74	7.8	25.9	0.26
F12	08 May 2019	1	16.65	76.92	7.9	33.65	8.2	24.6	1.75
F12	08 May 2019	2	16.54	77.07	7.6	33.68	8.2	24.6	1.80
F12	08 May 2019	3	15.91	75.66	7.4	33.68	8.1	24.8	2.17
F12	08 May 2019	4	15.65	73.93	7.2	33.69	8.1	24.8	2.52
F12	08 May 2019	5	15.12	76.59	7.4	33.66	8.1	24.9	2.83
F12	08 May 2019	6	15.01	78.78	7.3	33.64	8.1	24.9	3.06
F12	08 May 2019	7	14.29	79.01	7.1	33.70	8.1	25.1	3.16
F12	08 May 2019	8	13.56	79.09	6.8	33.67	8.1	25.2	3.11
F12	08 May 2019	9	13.24	79.41	6.6	33.64	8.1	25.3	3.24
F12	08 May 2019	10	12.68	79.46	6.3	33.69	8.0	25.4	3.14
F12	08 May 2019	11	12.18	82.11	6.1	33.64	8.0	25.5	2.66
F12	08 May 2019	12	12.32	81.99	6.0	33.60	8.0	25.4	2.33
F12	08 May 2019	13	12.09	83.25	5.9	33.67	8.0	25.5	2.21
F12	08 May 2019	14	11.88	84.70	5.7	33.64	8.0	25.6	1.85
F12	08 May 2019	15	11.71	85.01	5.5	33.66	8.0	25.6	1.59
F12	08 May 2019	16	11.59	85.83	5.4	33.65	7.9	25.6	1.28
F12	08 May 2019	17	11.51	85.93	5.3	33.66	7.9	25.6	1.13
F12	08 May 2019	18	11.48	86.04	5.2	33.66	7.9	25.6	1.08
F12	08 May 2019	19	11.46	85.90	5.2	33.67	7.9	25.7	0.99
F12	08 May 2019	20	11.45	86.01	5.1	33.67	7.9	25.7	0.96
F12	08 May 2019	21	11.38	86.06	5.0	33.68	7.9	25.7	0.90
F12	08 May 2019	22	11.34	85.93	5.0	33.68	7.9	25.7	0.88
F12	08 May 2019	23	11.33	85.92	5.0	33.68	7.9	25.7	0.88
F12	08 May 2019	24	11.31	85.92	5.0	33.69	7.9	25.7	0.85
F12	08 May 2019	25	11.28	86.06	5.0	33.69	7.9	25.7	0.83
F12	08 May 2019	26	11.27	86.20	5.0	33.69	7.9	25.7	0.82
F12	08 May 2019	27	11.26	86.32	5.0	33.69	7.9	25.7	0.83
F12	08 May 2019	28	11.27	86.24	5.0	33.69	7.9	25.7	0.84
F12	08 May 2019	29	11.24	86.16	4.9	33.69	7.9	25.7	0.81
F12	08 May 2019	30	11.22	86.21	4.9	33.69	7.9	25.7	0.87
F12	08 May 2019	31	11.21	86.25	4.9	33.69	7.9	25.7	1.00
F12	08 May 2019	32	11.21	86.26	4.9	33.69	7.9	25.7	0.86
F12	08 May 2019	33	11.21	86.23	4.9	33.69	7.9	25.7	0.82
F12	08 May 2019	34	11.21	86.09	4.9	33.69	7.9	25.7	0.78
F12	08 May 2019	35	11.21	86.10	4.9	33.69	7.9	25.7	0.78
F12	08 May 2019	36	11.21	86.04	4.9	33.69	7.9	25.7	0.80
F12	08 May 2019	37	11.17	86.13	4.8	33.70	7.9	25.7	0.78
F12	08 May 2019	38	11.11	86.02	4.8	33.70	7.9	25.7	0.74
F12	08 May 2019	39	11.06	85.80	4.7	33.71	7.9	25.8	0.72
F12	08 May 2019	40	10.99	85.62	4.7	33.71	7.9	25.8	0.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F12	08 May 2019	41	10.97	85.60	4.7	33.70	7.9	25.8	0.62
F12	08 May 2019	42	10.95	85.73	4.7	33.70	7.9	25.8	0.59
F12	08 May 2019	43	10.92	85.76	4.7	33.70	7.9	25.8	0.57
F12	08 May 2019	44	10.91	86.03	4.7	33.70	7.9	25.8	0.54
F12	08 May 2019	45	10.87	86.21	4.7	33.70	7.9	25.8	0.52
F12	08 May 2019	46	10.86	86.42	4.7	33.70	7.9	25.8	0.50
F12	08 May 2019	47	10.85	86.54	4.7	33.69	7.9	25.8	0.49
F12	08 May 2019	48	10.84	86.47	4.7	33.69	7.9	25.8	0.47
F12	08 May 2019	49	10.82	86.91	4.8	33.69	7.9	25.8	0.47
F12	08 May 2019	50	10.79	87.20	4.7	33.69	7.9	25.8	0.45
F12	08 May 2019	51	10.68	87.03	4.6	33.70	7.8	25.8	0.44
F12	08 May 2019	52	10.63	86.46	4.5	33.70	7.8	25.8	0.38
F12	08 May 2019	53	10.64	86.24	4.4	33.70	7.8	25.8	0.39
F12	08 May 2019	54	10.59	85.62	4.4	33.70	7.8	25.8	0.36
F12	08 May 2019	55	10.55	83.99	4.3	33.71	7.8	25.9	0.30
F12	08 May 2019	56	10.51	83.01	4.3	33.72	7.8	25.9	0.29
F12	08 May 2019	57	10.50	81.34	4.2	33.72	7.8	25.9	0.28
F12	08 May 2019	58	10.48	80.46	4.2	33.72	7.8	25.9	0.26
F12	08 May 2019	59	10.47	79.84	4.2	33.73	7.8	25.9	0.26
F12	08 May 2019	60	10.42	79.10	4.1	33.74	7.8	25.9	0.25
F12	08 May 2019	61	10.36	75.25	4.0	33.76	7.8	25.9	0.25
F13	08 May 2019	1	17.56	82.72	8.2	33.64	8.2	24.3	0.90
F13	08 May 2019	2	17.48	82.66	8.2	33.65	8.2	24.4	0.97
F13	08 May 2019	3	17.39	82.61	7.9	33.65	8.2	24.4	1.06
F13	08 May 2019	4	16.33	82.22	7.6	33.74	8.2	24.7	1.59
F13	08 May 2019	5	15.46	80.39	7.5	33.62	8.1	24.8	2.46
F13	08 May 2019	6	14.71	79.58	7.2	33.72	8.1	25.0	2.77
F13	08 May 2019	7	14.23	79.04	7.2	33.63	8.1	25.1	3.28
F13	08 May 2019	8	14.00	78.66	7.0	33.66	8.1	25.2	3.52
F13	08 May 2019	9	13.33	78.73	6.8	33.64	8.1	25.3	3.62
F13	08 May 2019	10	13.10	78.98	6.7	33.64	8.1	25.3	3.56
F13	08 May 2019	11	12.82	79.48	6.5	33.64	8.0	25.4	3.30
F13	08 May 2019	12	12.51	80.32	6.2	33.65	8.0	25.4	2.73
F13	08 May 2019	13	12.24	81.77	6.1	33.64	8.0	25.5	2.07
F13	08 May 2019	14	12.05	82.96	5.8	33.65	8.0	25.5	1.67
F13	08 May 2019	15	11.77	84.19	5.6	33.65	8.0	25.6	1.39
F13	08 May 2019	16	11.65	85.12	5.5	33.65	7.9	25.6	1.34
F13	08 May 2019	17	11.58	85.68	5.4	33.65	7.9	25.6	1.09
F13	08 May 2019	18	11.51	86.10	5.4	33.66	7.9	25.6	1.05
F13	08 May 2019	19	11.48	86.26	5.3	33.66	7.9	25.6	1.00
F13	08 May 2019	20	11.39	86.52	5.3	33.67	7.9	25.7	0.94
F13	08 May 2019	21	11.36	86.64	5.2	33.67	7.9	25.7	0.91
F13	08 May 2019	22	11.31	86.61	5.2	33.68	7.9	25.7	0.88
F13	08 May 2019	23	11.26	86.73	5.1	33.68	7.9	25.7	0.87
F13	08 May 2019	24	11.24	86.83	5.1	33.68	7.9	25.7	0.84
F13	08 May 2019	25	11.22	86.75	5.0	33.69	7.9	25.7	0.81
F13	08 May 2019	26	11.20	86.54	5.0	33.69	7.9	25.7	0.80
F13	08 May 2019	27	11.16	86.40	4.9	33.70	7.9	25.7	0.79
F13	08 May 2019	28	11.11	86.39	4.9	33.70	7.9	25.7	0.75
F13	08 May 2019	29	11.08	86.57	4.9	33.69	7.9	25.7	0.73
F13	08 May 2019	30	11.07	86.80	5.0	33.69	7.9	25.7	0.71
F13	08 May 2019	31	11.07	86.82	5.0	33.69	7.9	25.7	0.69
F13	08 May 2019	32	11.03	86.87	5.0	33.69	7.9	25.7	0.69
F13	08 May 2019	33	11.00	86.92	4.9	33.69	7.9	25.8	0.66
F13	08 May 2019	34	10.97	87.08	4.9	33.69	7.9	25.8	0.64
F13	08 May 2019	35	10.98	87.00	4.9	33.69	7.9	25.8	0.63
F13	08 May 2019	36	10.95	87.14	4.9	33.69	7.9	25.8	0.62
F13	08 May 2019	37	10.92	87.45	4.9	33.69	7.9	25.8	0.57
F13	08 May 2019	38	10.92	87.34	4.9	33.69	7.9	25.8	0.57
F13	08 May 2019	39	10.77	87.36	4.8	33.69	7.9	25.8	0.51

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F13	08 May 2019	40	10.76	86.59	4.7	33.69	7.9	25.8	0.47
F13	08 May 2019	41	10.76	85.74	4.7	33.69	7.8	25.8	0.44
F13	08 May 2019	42	10.75	85.54	4.6	33.69	7.8	25.8	0.43
F13	08 May 2019	43	10.73	85.09	4.5	33.69	7.8	25.8	0.42
F13	08 May 2019	44	10.72	84.51	4.5	33.69	7.8	25.8	0.40
F13	08 May 2019	45	10.73	84.34	4.5	33.69	7.8	25.8	0.39
F13	08 May 2019	46	10.62	83.87	4.4	33.70	7.8	25.8	0.36
F13	08 May 2019	47	10.60	83.54	4.3	33.70	7.8	25.8	0.32
F13	08 May 2019	48	10.59	83.24	4.3	33.70	7.8	25.8	0.30
F13	08 May 2019	49	10.56	82.57	4.2	33.71	7.8	25.8	0.29
F13	08 May 2019	50	10.52	81.66	4.2	33.71	7.8	25.9	0.28
F13	08 May 2019	51	10.52	82.85	4.2	33.71	7.8	25.9	0.27
F13	08 May 2019	52	10.49	82.70	4.2	33.72	7.8	25.9	0.26
F13	08 May 2019	53	10.49	82.65	4.2	33.72	7.8	25.9	0.25
F13	08 May 2019	54	10.47	82.28	4.1	33.72	7.8	25.9	0.25
F13	08 May 2019	55	10.42	82.22	4.1	33.73	7.8	25.9	0.24
F13	08 May 2019	56	10.36	81.54	4.0	33.75	7.8	25.9	0.24
F13	08 May 2019	57	10.35	80.09	3.9	33.76	7.8	25.9	0.23
F13	08 May 2019	58	10.33	79.93	3.9	33.76	7.8	25.9	0.23
F13	08 May 2019	59	10.32	79.43	3.9	33.77	7.8	25.9	0.23
F13	08 May 2019	60	10.32	79.04	3.9	33.77	7.8	25.9	0.23
F13	08 May 2019	61	10.32	78.43	3.9	33.77	7.8	25.9	0.23
F14	08 May 2019	1	17.60	82.65	8.1	33.62	8.2	24.3	1.00
F14	08 May 2019	2	17.19	82.41	7.8	33.68	8.2	24.5	1.09
F14	08 May 2019	3	15.64	81.27	7.8	33.68	8.2	24.8	1.46
F14	08 May 2019	4	15.43	80.81	7.7	33.64	8.2	24.8	1.68
F14	08 May 2019	5	15.09	81.02	7.5	33.65	8.2	24.9	1.69
F14	08 May 2019	6	14.59	80.98	7.4	33.65	8.1	25.0	1.94
F14	08 May 2019	7	14.40	79.53	7.5	33.62	8.1	25.0	2.27
F14	08 May 2019	8	14.24	79.43	7.4	33.63	8.1	25.1	2.41
F14	08 May 2019	9	14.16	79.74	7.3	33.62	8.1	25.1	2.39
F14	08 May 2019	10	14.24	80.10	7.2	33.63	8.1	25.1	2.40
F14	08 May 2019	11	13.92	80.56	6.8	33.65	8.1	25.2	2.24
F14	08 May 2019	12	13.48	80.61	6.7	33.66	8.1	25.3	2.29
F14	08 May 2019	13	13.00	80.81	6.6	33.65	8.0	25.3	2.27
F14	08 May 2019	14	12.90	80.86	6.5	33.64	8.0	25.4	2.45
F14	08 May 2019	15	12.78	80.65	6.4	33.63	8.0	25.4	2.47
F14	08 May 2019	16	12.75	80.56	6.3	33.64	8.0	25.4	2.49
F14	08 May 2019	17	12.76	80.94	6.3	33.64	8.0	25.4	2.51
F14	08 May 2019	18	12.65	80.98	6.2	33.65	8.0	25.4	2.47
F14	08 May 2019	19	12.58	81.19	6.1	33.65	8.0	25.4	2.40
F14	08 May 2019	20	12.54	81.46	6.1	33.65	8.0	25.4	2.38
F14	08 May 2019	21	12.50	81.66	6.1	33.65	8.0	25.4	2.28
F14	08 May 2019	22	12.37	81.68	6.0	33.66	8.0	25.5	2.20
F14	08 May 2019	23	12.23	82.24	5.9	33.66	8.0	25.5	1.99
F14	08 May 2019	24	12.10	83.43	5.8	33.66	8.0	25.5	1.72
F14	08 May 2019	25	12.00	84.73	5.7	33.65	8.0	25.5	1.45
F14	08 May 2019	26	11.90	84.99	5.6	33.66	8.0	25.6	1.29
F14	08 May 2019	27	11.76	85.51	5.5	33.65	7.9	25.6	1.23
F14	08 May 2019	28	11.70	86.08	5.4	33.67	7.9	25.6	1.15
F14	08 May 2019	29	11.38	86.80	5.3	33.67	7.9	25.7	0.95
F14	08 May 2019	30	11.30	87.14	5.2	33.67	7.9	25.7	0.81
F14	08 May 2019	31	11.25	87.27	5.1	33.67	7.9	25.7	0.73
F14	08 May 2019	32	11.19	87.38	5.1	33.68	7.9	25.7	0.70
F14	08 May 2019	33	11.16	87.75	5.1	33.67	7.9	25.7	0.66
F14	08 May 2019	34	11.09	87.77	5.1	33.68	7.9	25.7	0.63
F14	08 May 2019	35	11.07	87.59	5.0	33.68	7.9	25.7	0.60
F14	08 May 2019	36	11.07	87.35	5.0	33.68	7.9	25.7	0.60
F14	08 May 2019	37	11.05	87.29	5.0	33.69	7.9	25.7	0.62
F14	08 May 2019	38	11.00	87.18	5.0	33.69	7.9	25.8	0.63

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F14	08 May 2019	39	10.96	87.37	4.9	33.69	7.9	25.8	0.60
F14	08 May 2019	40	10.94	87.53	5.0	33.69	7.9	25.8	0.57
F14	08 May 2019	41	10.94	87.76	5.0	33.69	7.9	25.8	0.57
F14	08 May 2019	42	10.87	87.74	5.0	33.68	7.9	25.8	0.53
F14	08 May 2019	43	10.88	87.48	4.9	33.68	7.9	25.8	0.56
F14	08 May 2019	44	10.84	86.85	4.8	33.69	7.9	25.8	0.50
F14	08 May 2019	45	10.82	86.12	4.7	33.68	7.9	25.8	0.47
F14	08 May 2019	46	10.81	85.85	4.6	33.69	7.9	25.8	0.44
F14	08 May 2019	47	10.74	84.52	4.5	33.69	7.8	25.8	0.42
F14	08 May 2019	48	10.71	84.76	4.4	33.69	7.8	25.8	0.38
F14	08 May 2019	49	10.68	84.06	4.4	33.70	7.8	25.8	0.35
F14	08 May 2019	50	10.69	84.10	4.4	33.70	7.8	25.8	0.34
F14	08 May 2019	51	10.62	83.59	4.4	33.71	7.8	25.8	0.32
F14	08 May 2019	52	10.57	83.06	4.3	33.70	7.8	25.8	0.29
F14	08 May 2019	53	10.54	83.56	4.3	33.71	7.8	25.9	0.27
F14	08 May 2019	54	10.53	83.66	4.3	33.71	7.8	25.9	0.26
F14	08 May 2019	55	10.52	83.55	4.3	33.71	7.8	25.9	0.26
F14	08 May 2019	56	10.50	83.43	4.3	33.71	7.8	25.9	0.27
F14	08 May 2019	57	10.50	82.44	4.2	33.72	7.8	25.9	0.24
F14	08 May 2019	58	10.47	81.17	4.0	33.73	7.8	25.9	0.24
F14	08 May 2019	59	10.39	80.90	3.9	33.76	7.8	25.9	0.22
F14	08 May 2019	60	10.34	75.20	3.9	33.77	7.8	25.9	0.22
F15	09 May 2019	1	16.88	82.93	8.4	33.58	8.3	24.5	0.73
F15	09 May 2019	2	16.88	83.07	8.4	33.59	8.3	24.5	0.73
F15	09 May 2019	3	16.80	83.01	8.4	33.62	8.3	24.5	0.76
F15	09 May 2019	4	16.71	82.63	8.4	33.64	8.3	24.5	0.89
F15	09 May 2019	5	16.64	82.19	8.4	33.64	8.3	24.6	1.12
F15	09 May 2019	6	16.21	81.91	8.4	33.66	8.3	24.7	1.47
F15	09 May 2019	7	15.33	79.25	8.0	33.72	8.2	24.9	2.21
F15	09 May 2019	8	13.79	77.78	7.6	33.68	8.2	25.2	2.85
F15	09 May 2019	9	13.20	76.46	7.3	33.64	8.1	25.3	2.86
F15	09 May 2019	10	12.87	79.34	7.0	33.63	8.1	25.4	2.49
F15	09 May 2019	11	12.31	82.02	6.3	33.64	8.1	25.5	1.94
F15	09 May 2019	12	12.05	83.27	5.9	33.63	8.0	25.5	1.46
F15	09 May 2019	13	11.82	83.87	5.5	33.64	8.0	25.6	1.25
F15	09 May 2019	14	11.67	84.48	5.3	33.64	8.0	25.6	1.09
F15	09 May 2019	15	11.55	85.06	5.3	33.65	8.0	25.6	0.99
F15	09 May 2019	16	11.49	85.52	5.3	33.65	8.0	25.6	0.96
F15	09 May 2019	17	11.41	85.78	5.2	33.66	8.0	25.7	0.87
F15	09 May 2019	18	11.29	86.05	5.2	33.66	8.0	25.7	0.80
F15	09 May 2019	19	11.28	86.23	5.2	33.66	8.0	25.7	0.79
F15	09 May 2019	20	11.31	86.34	5.1	33.67	8.0	25.7	0.81
F15	09 May 2019	21	11.23	86.46	5.1	33.67	8.0	25.7	0.78
F15	09 May 2019	22	11.22	86.48	5.1	33.67	8.0	25.7	0.78
F15	09 May 2019	23	11.21	86.52	5.0	33.67	7.9	25.7	0.80
F15	09 May 2019	24	11.14	86.41	5.0	33.69	7.9	25.7	0.73
F15	09 May 2019	25	11.08	86.31	4.9	33.69	7.9	25.7	0.71
F15	09 May 2019	26	11.02	86.13	4.8	33.69	7.9	25.8	0.71
F15	09 May 2019	27	11.00	86.23	4.8	33.70	7.9	25.8	0.68
F15	09 May 2019	28	10.88	86.97	4.8	33.71	7.9	25.8	0.59
F15	09 May 2019	29	10.80	87.63	4.9	33.71	7.9	25.8	0.53
F15	09 May 2019	30	10.77	88.35	4.9	33.71	7.9	25.8	0.61
F15	09 May 2019	31	10.71	88.47	4.9	33.72	7.9	25.8	0.93
F15	09 May 2019	32	10.68	88.43	4.9	33.72	7.9	25.8	0.55
F15	09 May 2019	33	10.62	88.49	4.8	33.72	7.9	25.8	0.48
F15	09 May 2019	34	10.54	88.39	4.8	33.73	7.9	25.9	0.45
F15	09 May 2019	35	10.50	88.45	4.8	33.73	7.9	25.9	0.43
F15	09 May 2019	36	10.48	88.50	4.8	33.73	7.9	25.9	0.43
F15	09 May 2019	37	10.45	88.48	4.8	33.73	7.9	25.9	0.42
F15	09 May 2019	38	10.43	88.45	4.8	33.73	7.9	25.9	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F15	09 May 2019	39	10.40	88.43	4.8	33.74	7.9	25.9	0.42
F15	09 May 2019	40	10.37	88.56	4.7	33.74	7.9	25.9	0.41
F15	09 May 2019	41	10.37	88.63	4.8	33.74	7.9	25.9	0.41
F15	09 May 2019	42	10.36	88.64	4.7	33.74	7.9	25.9	0.41
F15	09 May 2019	43	10.35	88.69	4.7	33.74	7.9	25.9	0.40
F15	09 May 2019	44	10.36	88.76	4.7	33.74	7.9	25.9	0.40
F15	09 May 2019	45	10.32	88.77	4.7	33.75	7.9	25.9	0.39
F15	09 May 2019	46	10.26	88.90	4.6	33.76	7.9	25.9	0.38
F15	09 May 2019	47	10.24	89.01	4.6	33.76	7.9	25.9	0.37
F15	09 May 2019	48	10.20	89.01	4.6	33.77	7.9	26.0	0.37
F15	09 May 2019	49	10.17	89.07	4.6	33.77	7.9	26.0	0.36
F15	09 May 2019	50	10.12	89.01	4.5	33.79	7.9	26.0	0.35
F15	09 May 2019	51	10.09	88.94	4.5	33.79	7.9	26.0	0.35
F15	09 May 2019	52	10.08	89.03	4.5	33.80	7.9	26.0	0.34
F15	09 May 2019	53	10.07	89.09	4.5	33.80	7.9	26.0	0.34
F15	09 May 2019	54	10.04	89.09	4.4	33.80	7.9	26.0	0.34
F15	09 May 2019	55	10.02	89.07	4.3	33.81	7.9	26.0	0.34
F15	09 May 2019	56	10.01	89.08	4.3	33.82	7.9	26.0	0.34
F15	09 May 2019	57	9.99	89.09	4.3	33.82	7.8	26.0	0.33
F15	09 May 2019	58	9.98	89.09	4.3	33.83	7.8	26.0	0.33
F15	09 May 2019	59	9.96	89.10	4.3	33.83	7.8	26.0	0.33
F15	09 May 2019	60	9.94	89.09	4.2	33.84	7.8	26.1	0.33
F15	09 May 2019	61	9.93	89.02	4.1	33.86	7.8	26.1	0.32
F15	09 May 2019	62	9.93	88.86	4.0	33.89	7.8	26.1	0.32
F15	09 May 2019	63	9.94	88.80	3.9	33.89	7.8	26.1	0.32
F15	09 May 2019	64	9.94	88.74	3.9	33.90	7.8	26.1	0.33
F15	09 May 2019	65	9.94	88.68	3.8	33.90	7.8	26.1	0.32
F15	09 May 2019	66	9.94	88.62	3.8	33.91	7.8	26.1	0.32
F15	09 May 2019	67	9.94	88.55	3.8	33.91	7.8	26.1	0.32
F15	09 May 2019	68	9.94	88.53	3.8	33.91	7.8	26.1	0.32
F15	09 May 2019	69	9.94	88.50	3.7	33.91	7.8	26.1	0.32
F15	09 May 2019	70	9.94	88.49	3.7	33.91	7.8	26.1	0.32
F15	09 May 2019	71	9.94	88.43	3.7	33.91	7.8	26.1	0.32
F15	09 May 2019	72	9.92	88.26	3.7	33.92	7.8	26.1	0.32
F15	09 May 2019	73	9.92	88.27	3.7	33.92	7.8	26.1	0.32
F15	09 May 2019	74	9.90	88.11	3.6	33.93	7.8	26.1	0.32
F15	09 May 2019	75	9.91	87.18	3.6	33.93	7.8	26.1	0.32
F15	09 May 2019	76	9.91	86.44	3.6	33.93	7.8	26.1	0.32
F15	09 May 2019	77	9.91	86.68	3.5	33.93	7.8	26.1	0.33
F15	09 May 2019	78	9.91	86.11	3.5	33.93	7.8	26.1	0.32
F15	09 May 2019	79	9.92	85.94	3.5	33.93	7.8	26.1	0.33
F15	09 May 2019	80	9.92	85.77	3.5	33.93	7.8	26.1	0.33
F15	09 May 2019	81	9.92	85.33	3.5	33.93	7.8	26.1	0.33
F15	09 May 2019	82	9.92	85.27	3.5	33.93	7.8	26.1	0.33
F16	09 May 2019	1	16.14	79.79	8.5	33.56	8.2	24.6	1.14
F16	09 May 2019	2	16.15	80.14	8.5	33.56	8.2	24.6	1.17
F16	09 May 2019	3	16.09	80.56	8.5	33.60	8.2	24.6	1.32
F16	09 May 2019	4	16.06	79.71	8.5	33.62	8.2	24.7	1.66
F16	09 May 2019	5	15.91	79.82	8.4	33.65	8.2	24.7	1.87
F16	09 May 2019	6	15.24	79.04	8.6	33.67	8.2	24.9	2.62
F16	09 May 2019	7	14.54	72.83	8.6	33.64	8.2	25.0	4.75
F16	09 May 2019	8	14.15	70.36	8.2	33.66	8.2	25.1	6.48
F16	09 May 2019	9	13.48	70.86	7.7	33.65	8.2	25.2	6.65
F16	09 May 2019	10	12.97	75.60	7.3	33.64	8.1	25.3	5.95
F16	09 May 2019	11	12.79	78.15	7.0	33.61	8.1	25.4	4.89
F16	09 May 2019	12	12.77	78.98	6.8	33.62	8.1	25.4	4.23
F16	09 May 2019	13	12.38	81.47	6.3	33.65	8.1	25.5	3.38
F16	09 May 2019	14	12.04	83.75	6.0	33.65	8.0	25.5	2.44
F16	09 May 2019	15	11.98	83.06	5.8	33.63	8.0	25.5	1.96
F16	09 May 2019	16	11.80	84.05	5.6	33.65	8.0	25.6	1.62

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F16	09 May 2019	17	11.64	84.85	5.4	33.65	8.0	25.6	1.43
F16	09 May 2019	18	11.62	85.49	5.4	33.64	8.0	25.6	1.26
F16	09 May 2019	19	11.63	85.56	5.4	33.64	8.0	25.6	1.18
F16	09 May 2019	20	11.59	85.67	5.4	33.65	8.0	25.6	1.16
F16	09 May 2019	21	11.49	85.96	5.3	33.66	8.0	25.6	1.12
F16	09 May 2019	22	11.42	86.21	5.2	33.66	8.0	25.7	1.02
F16	09 May 2019	23	11.19	86.32	5.0	33.69	7.9	25.7	0.93
F16	09 May 2019	24	10.99	86.50	4.9	33.69	7.9	25.8	0.79
F16	09 May 2019	25	10.95	87.06	4.9	33.70	7.9	25.8	0.69
F16	09 May 2019	26	10.82	87.85	4.9	33.70	7.9	25.8	0.60
F16	09 May 2019	27	10.75	88.11	4.9	33.71	7.9	25.8	0.56
F16	09 May 2019	28	10.66	88.22	4.9	33.71	7.9	25.8	0.52
F16	09 May 2019	29	10.63	88.31	4.9	33.71	7.9	25.8	0.51
F16	09 May 2019	30	10.57	88.33	4.9	33.72	7.9	25.9	0.49
F16	09 May 2019	31	10.53	88.34	4.9	33.72	7.9	25.9	0.48
F16	09 May 2019	32	10.50	88.37	4.9	33.72	7.9	25.9	0.47
F16	09 May 2019	33	10.50	88.41	4.9	33.72	7.9	25.9	0.47
F16	09 May 2019	34	10.45	88.44	4.8	33.73	7.9	25.9	0.46
F16	09 May 2019	35	10.44	88.51	4.8	33.73	7.9	25.9	0.45
F16	09 May 2019	36	10.45	88.59	4.8	33.73	7.9	25.9	0.44
F16	09 May 2019	37	10.44	88.53	4.8	33.73	7.9	25.9	0.44
F16	09 May 2019	38	10.41	88.70	4.8	33.74	7.9	25.9	0.44
F16	09 May 2019	39	10.40	88.76	4.8	33.74	7.9	25.9	0.43
F16	09 May 2019	40	10.38	88.75	4.7	33.74	7.9	25.9	0.42
F16	09 May 2019	41	10.35	88.85	4.7	33.75	7.9	25.9	0.41
F16	09 May 2019	42	10.33	88.88	4.7	33.75	7.9	25.9	0.40
F16	09 May 2019	43	10.30	88.92	4.7	33.76	7.9	25.9	0.40
F16	09 May 2019	44	10.28	88.93	4.7	33.76	7.9	25.9	0.39
F16	09 May 2019	45	10.24	88.93	4.6	33.77	7.9	25.9	0.40
F16	09 May 2019	46	10.22	88.93	4.6	33.77	7.9	26.0	0.39
F16	09 May 2019	47	10.21	89.04	4.6	33.77	7.9	26.0	0.38
F16	09 May 2019	48	10.19	89.03	4.5	33.78	7.9	26.0	0.37
F16	09 May 2019	49	10.16	89.07	4.5	33.78	7.9	26.0	0.36
F16	09 May 2019	50	10.12	89.08	4.5	33.79	7.9	26.0	0.36
F16	09 May 2019	51	10.07	88.93	4.4	33.80	7.9	26.0	0.36
F16	09 May 2019	52	10.02	89.04	4.4	33.82	7.9	26.0	0.35
F16	09 May 2019	53	10.00	89.09	4.4	33.82	7.8	26.0	0.35
F16	09 May 2019	54	10.00	89.09	4.3	33.82	7.8	26.0	0.34
F16	09 May 2019	55	9.99	89.11	4.3	33.82	7.8	26.0	0.34
F16	09 May 2019	56	9.98	89.11	4.3	33.83	7.8	26.0	0.34
F16	09 May 2019	57	9.98	89.07	4.3	33.83	7.8	26.0	0.34
F16	09 May 2019	58	9.97	89.09	4.2	33.83	7.8	26.0	0.36
F16	09 May 2019	59	9.97	89.06	4.2	33.84	7.8	26.1	0.34
F16	09 May 2019	60	9.97	89.08	4.2	33.84	7.8	26.1	0.34
F16	09 May 2019	61	9.97	89.08	4.2	33.84	7.8	26.1	0.34
F16	09 May 2019	62	9.97	89.05	4.2	33.85	7.8	26.1	0.34
F16	09 May 2019	63	9.97	89.05	4.2	33.85	7.8	26.1	0.34
F16	09 May 2019	64	9.97	89.04	4.2	33.85	7.8	26.1	0.36
F16	09 May 2019	65	9.97	89.04	4.2	33.85	7.8	26.1	0.35
F16	09 May 2019	66	9.98	88.97	4.1	33.86	7.8	26.1	0.33
F16	09 May 2019	67	9.99	88.89	4.0	33.88	7.8	26.1	0.34
F16	09 May 2019	68	9.99	88.83	3.9	33.88	7.8	26.1	0.34
F16	09 May 2019	69	9.99	88.72	3.9	33.89	7.8	26.1	0.34
F16	09 May 2019	70	9.99	88.65	3.8	33.89	7.8	26.1	0.34
F16	09 May 2019	71	9.99	88.56	3.8	33.89	7.8	26.1	0.34
F16	09 May 2019	72	9.99	88.54	3.8	33.89	7.8	26.1	0.34
F16	09 May 2019	73	9.99	88.43	3.8	33.90	7.8	26.1	0.34
F16	09 May 2019	74	9.98	88.22	3.7	33.90	7.8	26.1	0.34
F16	09 May 2019	75	9.98	87.68	3.7	33.91	7.8	26.1	0.34
F16	09 May 2019	76	9.98	87.26	3.6	33.91	7.8	26.1	0.34
F16	09 May 2019	77	9.97	86.67	3.6	33.92	7.8	26.1	0.34

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F16	09 May 2019	78	9.97	86.19	3.5	33.92	7.8	26.1	0.34
F16	09 May 2019	79	9.95	85.53	3.5	33.92	7.8	26.1	0.35
F16	09 May 2019	80	9.95	85.18	3.5	33.92	7.8	26.1	0.35
F16	09 May 2019	81	9.96	85.24	3.6	33.92	7.8	26.1	0.36
F16	09 May 2019	82	9.95	84.68	3.6	33.92	7.8	26.1	0.35
F17	09 May 2019	1	15.90	79.42	8.5	33.61	8.2	24.7	1.70
F17	09 May 2019	2	15.89	79.65	8.5	33.62	8.2	24.7	1.81
F17	09 May 2019	3	15.88	79.89	8.5	33.62	8.2	24.7	1.95
F17	09 May 2019	4	15.87	79.32	8.5	33.63	8.2	24.7	2.17
F17	09 May 2019	5	15.84	78.83	8.5	33.63	8.2	24.7	2.50
F17	09 May 2019	6	15.73	78.66	8.5	33.64	8.2	24.8	2.66
F17	09 May 2019	7	15.57	78.33	8.5	33.63	8.2	24.8	2.96
F17	09 May 2019	8	15.48	77.45	8.5	33.63	8.2	24.8	3.31
F17	09 May 2019	9	15.42	76.58	8.5	33.62	8.2	24.8	3.59
F17	09 May 2019	10	15.34	76.12	8.3	33.63	8.2	24.8	3.82
F17	09 May 2019	11	15.09	75.69	8.1	33.65	8.2	24.9	4.20
F17	09 May 2019	12	14.10	75.19	7.6	33.71	8.2	25.2	4.83
F17	09 May 2019	13	12.72	78.04	6.9	33.67	8.1	25.4	4.57
F17	09 May 2019	14	12.69	79.95	6.7	33.59	8.1	25.4	3.71
F17	09 May 2019	15	12.91	80.71	6.6	33.64	8.1	25.4	3.48
F17	09 May 2019	16	12.49	81.03	6.4	33.62	8.1	25.4	3.25
F17	09 May 2019	17	12.33	81.60	6.2	33.64	8.0	25.5	2.63
F17	09 May 2019	18	12.06	83.27	6.0	33.65	8.0	25.5	2.04
F17	09 May 2019	19	11.86	84.91	5.8	33.65	8.0	25.6	1.64
F17	09 May 2019	20	11.73	85.43	5.6	33.65	8.0	25.6	1.41
F17	09 May 2019	21	11.63	85.61	5.4	33.66	8.0	25.6	1.27
F17	09 May 2019	22	11.45	85.72	5.3	33.67	8.0	25.7	1.14
F17	09 May 2019	23	11.41	85.92	5.1	33.66	7.9	25.7	1.01
F17	09 May 2019	24	11.24	85.95	5.0	33.69	7.9	25.7	0.89
F17	09 May 2019	25	11.02	86.16	4.9	33.69	7.9	25.8	0.76
F17	09 May 2019	26	10.93	86.97	5.0	33.69	7.9	25.8	0.68
F17	09 May 2019	27	10.95	87.46	5.0	33.69	7.9	25.8	0.64
F17	09 May 2019	28	10.79	87.79	5.0	33.70	7.9	25.8	0.59
F17	09 May 2019	29	10.76	87.90	5.0	33.70	7.9	25.8	0.56
F17	09 May 2019	30	10.69	88.12	5.0	33.71	7.9	25.8	0.53
F17	09 May 2019	31	10.64	88.32	4.9	33.71	7.9	25.8	0.51
F17	09 May 2019	32	10.63	88.33	4.9	33.71	7.9	25.8	0.51
F17	09 May 2019	33	10.62	88.35	4.9	33.71	7.9	25.8	0.51
F17	09 May 2019	34	10.61	88.37	4.9	33.71	7.9	25.8	0.50
F17	09 May 2019	35	10.59	88.27	4.9	33.72	7.9	25.8	0.52
F17	09 May 2019	36	10.56	88.29	4.8	33.72	7.9	25.9	0.50
F17	09 May 2019	37	10.53	88.20	4.8	33.72	7.9	25.9	0.48
F17	09 May 2019	38	10.51	88.26	4.8	33.72	7.9	25.9	0.48
F17	09 May 2019	39	10.49	88.41	4.8	33.73	7.9	25.9	0.52
F17	09 May 2019	40	10.44	88.66	4.8	33.74	7.9	25.9	0.50
F17	09 May 2019	41	10.41	88.80	4.7	33.74	7.9	25.9	0.45
F17	09 May 2019	42	10.40	88.96	4.7	33.74	7.9	25.9	0.43
F17	09 May 2019	43	10.38	88.96	4.7	33.75	7.9	25.9	0.43
F17	09 May 2019	44	10.36	88.95	4.7	33.75	7.9	25.9	0.41
F17	09 May 2019	45	10.32	89.01	4.7	33.76	7.9	25.9	0.40
F17	09 May 2019	46	10.30	89.03	4.7	33.76	7.9	25.9	0.39
F17	09 May 2019	47	10.28	89.05	4.7	33.76	7.9	25.9	0.40
F17	09 May 2019	48	10.25	89.05	4.6	33.77	7.9	25.9	0.39
F17	09 May 2019	49	10.24	89.04	4.6	33.77	7.9	25.9	0.38
F17	09 May 2019	50	10.21	89.06	4.6	33.77	7.9	26.0	0.38
F17	09 May 2019	51	10.17	89.07	4.6	33.77	7.9	26.0	0.37
F17	09 May 2019	52	10.11	89.07	4.5	33.79	7.9	26.0	0.37
F17	09 May 2019	53	10.07	89.09	4.4	33.80	7.9	26.0	0.36
F17	09 May 2019	54	10.04	89.06	4.4	33.81	7.9	26.0	0.36
F17	09 May 2019	55	10.02	89.03	4.4	33.81	7.9	26.0	0.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F17	09 May 2019	56	10.01	89.05	4.4	33.81	7.9	26.0	0.35
F17	09 May 2019	57	10.00	89.10	4.3	33.82	7.8	26.0	0.35
F17	09 May 2019	58	9.99	89.09	4.3	33.82	7.8	26.0	0.34
F17	09 May 2019	59	9.98	89.09	4.3	33.83	7.8	26.0	0.35
F17	09 May 2019	60	9.97	89.08	4.3	33.83	7.8	26.0	0.34
F17	09 May 2019	61	9.97	89.10	4.3	33.83	7.8	26.0	0.35
F17	09 May 2019	62	9.97	89.10	4.3	33.83	7.8	26.0	0.35
F17	09 May 2019	63	9.97	89.08	4.2	33.84	7.8	26.1	0.35
F17	09 May 2019	64	9.99	88.87	4.1	33.85	7.8	26.1	0.35
F17	09 May 2019	65	9.99	88.72	4.1	33.86	7.8	26.1	0.34
F17	09 May 2019	66	10.00	88.66	4.0	33.86	7.8	26.1	0.34
F17	09 May 2019	67	10.00	88.58	4.0	33.87	7.8	26.1	0.34
F17	09 May 2019	68	10.00	88.54	4.0	33.87	7.8	26.1	0.35
F17	09 May 2019	69	9.99	88.56	4.0	33.88	7.8	26.1	0.35
F17	09 May 2019	70	9.99	88.48	3.9	33.88	7.8	26.1	0.34
F17	09 May 2019	71	9.99	88.37	3.9	33.88	7.8	26.1	0.34
F17	09 May 2019	72	9.98	88.12	3.9	33.89	7.8	26.1	0.34
F17	09 May 2019	73	9.98	88.14	3.8	33.89	7.8	26.1	0.34
F17	09 May 2019	74	9.98	88.01	3.8	33.90	7.8	26.1	0.35
F17	09 May 2019	75	9.97	87.90	3.8	33.90	7.8	26.1	0.34
F17	09 May 2019	76	9.97	87.81	3.8	33.90	7.8	26.1	0.34
F17	09 May 2019	77	9.97	87.69	3.7	33.91	7.8	26.1	0.35
F17	09 May 2019	78	9.97	87.34	3.7	33.91	7.8	26.1	0.35
F17	09 May 2019	79	9.97	86.28	3.6	33.92	7.8	26.1	0.35
F17	09 May 2019	80	9.94	85.13	3.6	33.93	7.8	26.1	0.36
F17	09 May 2019	81	9.92	83.53	3.5	33.93	7.8	26.1	0.36
F17	09 May 2019	82	9.92	81.72	3.5	33.93	7.8	26.1	0.36
F18	09 May 2019	1	15.77	78.65	8.6	33.62	8.2	24.7	1.85
F18	09 May 2019	2	15.77	78.81	8.5	33.62	8.2	24.7	1.96
F18	09 May 2019	3	15.70	78.60	8.6	33.63	8.2	24.8	2.24
F18	09 May 2019	4	15.64	78.27	8.6	33.62	8.2	24.8	2.47
F18	09 May 2019	5	15.62	77.92	8.6	33.62	8.2	24.8	2.71
F18	09 May 2019	6	15.61	77.64	8.5	33.62	8.2	24.8	2.97
F18	09 May 2019	7	15.60	77.08	8.4	33.62	8.2	24.8	3.23
F18	09 May 2019	8	15.51	76.46	8.4	33.63	8.2	24.8	3.71
F18	09 May 2019	9	15.41	75.52	8.4	33.63	8.2	24.8	4.30
F18	09 May 2019	10	15.25	74.91	8.4	33.63	8.2	24.9	4.71
F18	09 May 2019	11	15.05	74.74	8.2	33.65	8.2	24.9	5.04
F18	09 May 2019	12	14.32	73.90	7.8	33.69	8.2	25.1	5.57
F18	09 May 2019	13	12.95	76.52	7.0	33.71	8.1	25.4	5.00
F18	09 May 2019	14	12.37	80.96	6.3	33.64	8.0	25.5	3.58
F18	09 May 2019	15	12.31	82.63	6.0	33.62	8.0	25.5	2.73
F18	09 May 2019	16	11.93	83.93	5.6	33.65	8.0	25.6	2.02
F18	09 May 2019	17	11.71	85.12	5.3	33.64	8.0	25.6	1.47
F18	09 May 2019	18	11.55	85.38	5.2	33.65	7.9	25.6	1.23
F18	09 May 2019	19	11.50	85.84	5.1	33.64	7.9	25.6	0.95
F18	09 May 2019	20	11.37	86.36	5.1	33.66	7.9	25.7	0.86
F18	09 May 2019	21	11.28	87.28	5.2	33.66	7.9	25.7	0.77
F18	09 May 2019	22	11.23	87.53	5.1	33.66	7.9	25.7	0.75
F18	09 May 2019	23	11.14	87.44	5.0	33.68	7.9	25.7	0.70
F18	09 May 2019	24	11.17	87.14	5.0	33.67	7.9	25.7	0.70
F18	09 May 2019	25	10.99	86.99	4.9	33.70	7.9	25.8	0.65
F18	09 May 2019	26	10.89	87.31	4.9	33.69	7.9	25.8	0.61
F18	09 May 2019	27	10.86	87.59	4.9	33.69	7.9	25.8	0.59
F18	09 May 2019	28	10.85	87.72	4.9	33.70	7.9	25.8	0.57
F18	09 May 2019	29	10.83	87.81	4.9	33.70	7.9	25.8	0.55
F18	09 May 2019	30	10.77	88.05	4.9	33.70	7.9	25.8	0.55
F18	09 May 2019	31	10.76	88.25	4.9	33.70	7.9	25.8	0.55
F18	09 May 2019	32	10.74	88.34	4.9	33.70	7.9	25.8	0.54
F18	09 May 2019	33	10.65	88.19	4.9	33.71	7.9	25.8	0.52

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F18	09 May 2019	34	10.62	87.69	4.8	33.72	7.9	25.8	0.51
F18	09 May 2019	35	10.56	87.39	4.8	33.73	7.9	25.9	0.49
F18	09 May 2019	36	10.53	87.69	4.8	33.73	7.9	25.9	0.48
F18	09 May 2019	37	10.52	87.92	4.8	33.72	7.9	25.9	0.46
F18	09 May 2019	38	10.48	88.09	4.8	33.73	7.9	25.9	0.45
F18	09 May 2019	39	10.43	88.41	4.8	33.73	7.9	25.9	0.45
F18	09 May 2019	40	10.40	88.13	4.7	33.74	7.9	25.9	0.44
F18	09 May 2019	41	10.37	88.07	4.7	33.75	7.9	25.9	0.43
F18	09 May 2019	42	10.39	88.29	4.7	33.74	7.9	25.9	0.42
F18	09 May 2019	43	10.37	88.54	4.7	33.75	7.9	25.9	0.41
F18	09 May 2019	44	10.35	88.74	4.7	33.75	7.9	25.9	0.40
F18	09 May 2019	45	10.35	88.68	4.7	33.75	7.9	25.9	0.40
F18	09 May 2019	46	10.27	88.93	4.6	33.76	7.9	25.9	0.39
F18	09 May 2019	47	10.25	89.01	4.6	33.76	7.9	25.9	0.39
F18	09 May 2019	48	10.25	89.00	4.6	33.76	7.9	25.9	0.38
F18	09 May 2019	49	10.21	89.00	4.6	33.77	7.9	26.0	0.37
F18	09 May 2019	50	10.17	89.05	4.5	33.78	7.9	26.0	0.36
F18	09 May 2019	51	10.14	89.01	4.5	33.78	7.9	26.0	0.36
F18	09 May 2019	52	10.10	88.99	4.5	33.79	7.9	26.0	0.36
F18	09 May 2019	53	10.07	89.10	4.4	33.80	7.9	26.0	0.35
F18	09 May 2019	54	10.05	89.09	4.4	33.81	7.9	26.0	0.34
F18	09 May 2019	55	10.03	89.04	4.3	33.81	7.8	26.0	0.34
F18	09 May 2019	56	10.02	89.07	4.3	33.81	7.8	26.0	0.34
F18	09 May 2019	57	10.01	89.04	4.3	33.82	7.8	26.0	0.34
F18	09 May 2019	58	10.01	88.87	4.2	33.83	7.8	26.0	0.34
F18	09 May 2019	59	10.02	88.75	4.2	33.84	7.8	26.0	0.34
F18	09 May 2019	60	10.02	88.66	4.1	33.84	7.8	26.0	0.33
F18	09 May 2019	61	10.02	88.55	4.1	33.85	7.8	26.0	0.34
F18	09 May 2019	62	10.03	88.28	4.1	33.85	7.8	26.1	0.35
F18	09 May 2019	63	10.03	88.37	4.0	33.86	7.8	26.1	0.34
F18	09 May 2019	64	10.03	88.25	4.0	33.86	7.8	26.1	0.34
F18	09 May 2019	65	10.02	88.12	4.0	33.87	7.8	26.1	0.34
F18	09 May 2019	66	10.02	88.06	4.0	33.87	7.8	26.1	0.35
F18	09 May 2019	67	10.02	88.01	3.9	33.87	7.8	26.1	0.34
F18	09 May 2019	68	10.02	87.95	3.9	33.87	7.8	26.1	0.34
F18	09 May 2019	69	10.02	87.89	3.9	33.88	7.8	26.1	0.33
F18	09 May 2019	70	10.02	87.87	3.9	33.88	7.8	26.1	0.33
F18	09 May 2019	71	10.02	87.80	3.9	33.88	7.8	26.1	0.34
F18	09 May 2019	72	10.02	87.62	3.8	33.88	7.8	26.1	0.33
F18	09 May 2019	73	10.04	87.04	3.7	33.89	7.8	26.1	0.34
F18	09 May 2019	74	10.05	85.77	3.7	33.90	7.8	26.1	0.35
F18	09 May 2019	75	10.05	85.18	3.6	33.90	7.8	26.1	0.35
F18	09 May 2019	76	10.04	85.00	3.6	33.90	7.8	26.1	0.35
F18	09 May 2019	77	10.03	85.19	3.6	33.90	7.8	26.1	0.35
F18	09 May 2019	78	10.02	85.13	3.6	33.90	7.8	26.1	0.35
F18	09 May 2019	79	10.01	84.95	3.6	33.90	7.8	26.1	0.35
F18	09 May 2019	80	9.99	84.52	3.6	33.91	7.8	26.1	0.34
F18	09 May 2019	81	9.95	83.16	3.5	33.92	7.8	26.1	0.35
F18	09 May 2019	82	9.95	81.10	3.5	33.92	7.8	26.1	0.36
F19	09 May 2019	1	15.67	77.70	8.5	33.63	8.2	24.8	2.33
F19	09 May 2019	2	15.70	77.68	8.5	33.62	8.2	24.8	2.39
F19	09 May 2019	3	15.69	77.64	8.5	33.63	8.2	24.8	2.47
F19	09 May 2019	4	15.63	77.48	8.4	33.63	8.2	24.8	2.63
F19	09 May 2019	5	15.57	77.24	8.4	33.63	8.2	24.8	2.82
F19	09 May 2019	6	15.56	76.74	8.4	33.63	8.2	24.8	3.00
F19	09 May 2019	7	15.52	76.65	8.4	33.62	8.2	24.8	3.19
F19	09 May 2019	8	15.51	75.90	8.4	33.63	8.2	24.8	3.56
F19	09 May 2019	9	15.47	75.55	8.4	33.63	8.2	24.8	3.85
F19	09 May 2019	10	15.46	75.45	8.4	33.63	8.2	24.8	4.13
F19	09 May 2019	11	15.45	75.34	8.4	33.63	8.2	24.8	4.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F19	09 May 2019	12	15.45	75.36	8.4	33.63	8.2	24.8	4.46
F19	09 May 2019	13	15.43	75.44	8.4	33.63	8.2	24.8	4.54
F19	09 May 2019	14	15.34	74.93	8.3	33.64	8.2	24.9	4.85
F19	09 May 2019	15	14.78	74.45	8.1	33.67	8.2	25.0	5.02
F19	09 May 2019	16	14.01	75.36	7.7	33.67	8.2	25.2	5.19
F19	09 May 2019	17	12.98	79.69	7.0	33.68	8.1	25.4	4.12
F19	09 May 2019	18	12.52	81.83	6.4	33.63	8.1	25.4	2.93
F19	09 May 2019	19	12.15	83.05	6.0	33.65	8.0	25.5	2.19
F19	09 May 2019	20	11.90	84.44	5.6	33.64	8.0	25.6	1.69
F19	09 May 2019	21	11.74	85.07	5.3	33.64	8.0	25.6	1.40
F19	09 May 2019	22	11.57	85.45	5.3	33.65	8.0	25.6	1.16
F19	09 May 2019	23	11.50	85.76	5.2	33.65	7.9	25.6	0.99
F19	09 May 2019	24	11.44	86.05	5.2	33.65	7.9	25.6	0.89
F19	09 May 2019	25	11.33	86.26	5.1	33.66	7.9	25.7	0.83
F19	09 May 2019	26	11.20	87.01	5.1	33.67	7.9	25.7	0.74
F19	09 May 2019	27	11.15	87.06	5.0	33.67	7.9	25.7	0.68
F19	09 May 2019	28	11.09	86.85	5.0	33.68	7.9	25.7	0.67
F19	09 May 2019	29	10.99	86.72	5.0	33.69	7.9	25.8	0.62
F19	09 May 2019	30	10.87	86.71	4.9	33.70	7.9	25.8	0.58
F19	09 May 2019	31	10.81	87.00	4.9	33.70	7.9	25.8	0.56
F19	09 May 2019	32	10.79	87.05	4.9	33.70	7.9	25.8	0.53
F19	09 May 2019	33	10.78	87.16	4.9	33.70	7.9	25.8	0.49
F19	09 May 2019	34	10.72	87.32	4.8	33.70	7.9	25.8	0.49
F19	09 May 2019	35	10.68	87.61	4.8	33.71	7.9	25.8	0.47
F19	09 May 2019	36	10.61	87.80	4.8	33.72	7.9	25.8	0.47
F19	09 May 2019	37	10.55	88.00	4.8	33.72	7.9	25.9	0.45
F19	09 May 2019	38	10.52	88.01	4.8	33.72	7.9	25.9	0.43
F19	09 May 2019	39	10.45	88.01	4.7	33.74	7.9	25.9	0.42
F19	09 May 2019	40	10.42	87.93	4.7	33.74	7.9	25.9	0.41
F19	09 May 2019	41	10.40	87.94	4.7	33.74	7.9	25.9	0.40
F19	09 May 2019	42	10.35	87.89	4.6	33.75	7.9	25.9	0.39
F19	09 May 2019	43	10.30	87.94	4.6	33.76	7.9	25.9	0.37
F19	09 May 2019	44	10.29	88.04	4.6	33.76	7.9	25.9	0.37
F19	09 May 2019	45	10.25	88.15	4.6	33.77	7.9	25.9	0.36
F19	09 May 2019	46	10.23	88.38	4.6	33.77	7.9	25.9	0.35
F19	09 May 2019	47	10.20	88.53	4.5	33.77	7.9	26.0	0.34
F19	09 May 2019	48	10.18	88.68	4.5	33.78	7.9	26.0	0.34
F19	09 May 2019	49	10.14	88.85	4.5	33.78	7.9	26.0	0.34
F19	09 May 2019	50	10.11	88.91	4.5	33.79	7.9	26.0	0.32
F19	09 May 2019	51	10.10	88.97	4.5	33.79	7.9	26.0	0.32
F19	09 May 2019	52	10.10	88.96	4.4	33.80	7.9	26.0	0.32
F19	09 May 2019	53	10.08	88.94	4.4	33.81	7.9	26.0	0.32
F19	09 May 2019	54	10.07	88.84	4.3	33.82	7.9	26.0	0.32
F19	09 May 2019	55	10.07	88.74	4.3	33.82	7.8	26.0	0.31
F19	09 May 2019	56	10.07	88.60	4.2	33.83	7.8	26.0	0.33
F19	09 May 2019	57	10.06	88.53	4.2	33.83	7.8	26.0	0.31
F19	09 May 2019	58	10.06	88.45	4.2	33.83	7.8	26.0	0.31
F19	09 May 2019	59	10.06	88.51	4.2	33.83	7.8	26.0	0.31
F19	09 May 2019	60	10.06	88.38	4.1	33.84	7.8	26.0	0.31
F19	09 May 2019	61	10.06	88.21	4.1	33.84	7.8	26.0	0.32
F19	09 May 2019	62	10.06	88.11	4.1	33.85	7.8	26.0	0.31
F19	09 May 2019	63	10.06	88.08	4.1	33.85	7.8	26.0	0.31
F19	09 May 2019	64	10.07	87.96	4.1	33.85	7.8	26.0	0.31
F19	09 May 2019	65	10.07	87.81	4.0	33.85	7.8	26.0	0.31
F19	09 May 2019	66	10.09	87.23	4.0	33.86	7.8	26.0	0.32
F19	09 May 2019	67	10.09	86.90	3.9	33.87	7.8	26.1	0.31
F19	09 May 2019	68	10.10	86.09	3.8	33.88	7.8	26.1	0.31
F19	09 May 2019	69	10.10	85.93	3.8	33.88	7.8	26.1	0.32
F19	09 May 2019	70	10.10	85.93	3.8	33.88	7.8	26.1	0.32
F19	09 May 2019	71	10.10	85.94	3.8	33.88	7.8	26.1	0.32
F19	09 May 2019	72	10.10	85.81	3.8	33.88	7.8	26.1	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F19	09 May 2019	73	10.10	85.80	3.8	33.88	7.8	26.1	0.32
F19	09 May 2019	74	10.10	85.80	3.8	33.88	7.8	26.1	0.32
F19	09 May 2019	75	10.10	85.52	3.8	33.88	7.8	26.1	0.31
F19	09 May 2019	76	10.10	85.47	3.8	33.88	7.8	26.1	0.32
F19	09 May 2019	77	10.09	85.28	3.8	33.88	7.8	26.1	0.32
F19	09 May 2019	78	10.09	85.02	3.8	33.88	7.8	26.1	0.32
F19	09 May 2019	79	10.09	84.80	3.8	33.88	7.8	26.1	0.32
F19	09 May 2019	80	10.07	84.55	3.7	33.88	7.8	26.1	0.32
F19	09 May 2019	81	10.05	84.29	3.7	33.89	7.8	26.1	0.32
F19	09 May 2019	82	10.03	82.35	3.7	33.89	7.8	26.1	0.32
F19	09 May 2019	83	10.02	83.09	3.7	33.90	7.8	26.1	0.35
F20	09 May 2019	1	15.87	77.51	8.6	33.61	8.2	24.7	1.85
F20	09 May 2019	2	15.65	77.04	8.6	33.63	8.2	24.8	2.23
F20	09 May 2019	3	15.63	75.77	8.4	33.62	8.2	24.8	2.67
F20	09 May 2019	4	15.51	75.75	8.3	33.64	8.2	24.8	3.30
F20	09 May 2019	5	15.32	75.77	8.0	33.66	8.2	24.9	3.80
F20	09 May 2019	6	14.44	74.24	7.7	33.70	8.2	25.1	4.71
F20	09 May 2019	7	13.71	75.59	7.5	33.64	8.1	25.2	4.94
F20	09 May 2019	8	13.25	77.23	7.1	33.67	8.1	25.3	4.56
F20	09 May 2019	9	12.74	79.43	6.8	33.64	8.1	25.4	3.91
F20	09 May 2019	10	12.37	81.92	6.5	33.63	8.1	25.5	3.22
F20	09 May 2019	11	12.39	80.73	6.2	33.61	8.0	25.4	2.62
F20	09 May 2019	12	12.12	83.34	5.9	33.65	8.0	25.5	2.22
F20	09 May 2019	13	11.83	84.85	5.5	33.64	8.0	25.6	1.74
F20	09 May 2019	14	11.70	85.40	5.4	33.64	8.0	25.6	1.38
F20	09 May 2019	15	11.69	85.43	5.3	33.63	8.0	25.6	1.16
F20	09 May 2019	16	11.66	85.59	5.3	33.64	8.0	25.6	1.11
F20	09 May 2019	17	11.57	85.68	5.2	33.65	8.0	25.6	1.07
F20	09 May 2019	18	11.53	85.76	5.2	33.65	8.0	25.6	0.93
F20	09 May 2019	19	11.52	85.89	5.2	33.65	7.9	25.6	0.91
F20	09 May 2019	20	11.51	85.91	5.2	33.65	7.9	25.6	0.88
F20	09 May 2019	21	11.47	85.93	5.2	33.66	7.9	25.6	0.86
F20	09 May 2019	22	11.45	86.01	5.1	33.66	7.9	25.6	0.81
F20	09 May 2019	23	11.39	86.13	5.1	33.66	7.9	25.7	0.79
F20	09 May 2019	24	11.34	86.24	5.0	33.67	7.9	25.7	0.81
F20	09 May 2019	25	11.30	86.40	5.0	33.67	7.9	25.7	0.75
F20	09 May 2019	26	11.28	86.48	5.0	33.67	7.9	25.7	0.71
F20	09 May 2019	27	11.27	86.56	5.0	33.67	7.9	25.7	0.69
F20	09 May 2019	28	11.23	86.74	5.0	33.67	7.9	25.7	0.72
F20	09 May 2019	29	11.14	86.84	5.0	33.69	7.9	25.7	0.69
F20	09 May 2019	30	11.06	87.15	4.9	33.69	7.9	25.7	0.65
F20	09 May 2019	31	11.03	87.23	4.9	33.69	7.9	25.7	0.64
F20	09 May 2019	32	11.03	87.28	4.9	33.69	7.9	25.7	0.62
F20	09 May 2019	33	11.03	87.23	4.9	33.69	7.9	25.7	0.59
F20	09 May 2019	34	10.96	87.33	5.0	33.70	7.9	25.8	0.58
F20	09 May 2019	35	10.93	87.55	4.9	33.70	7.9	25.8	0.57
F20	09 May 2019	36	10.77	87.59	4.9	33.71	7.9	25.8	0.56
F20	09 May 2019	37	10.73	87.69	4.8	33.70	7.9	25.8	0.51
F20	09 May 2019	38	10.72	87.68	4.8	33.70	7.9	25.8	0.48
F20	09 May 2019	39	10.70	87.64	4.8	33.71	7.9	25.8	0.48
F20	09 May 2019	40	10.63	87.66	4.8	33.71	7.9	25.8	0.47
F20	09 May 2019	41	10.62	87.73	4.8	33.71	7.9	25.8	0.47
F20	09 May 2019	42	10.61	87.75	4.8	33.71	7.9	25.8	0.45
F20	09 May 2019	43	10.60	87.71	4.8	33.71	7.9	25.8	0.44
F20	09 May 2019	44	10.58	87.78	4.8	33.71	7.9	25.8	0.44
F20	09 May 2019	45	10.58	87.84	4.8	33.71	7.9	25.8	0.44
F20	09 May 2019	46	10.56	87.90	4.8	33.72	7.9	25.9	0.44
F20	09 May 2019	47	10.52	88.02	4.8	33.72	7.9	25.9	0.42
F20	09 May 2019	48	10.50	88.24	4.8	33.72	7.9	25.9	0.42
F20	09 May 2019	49	10.46	88.15	4.8	33.73	7.9	25.9	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F20	09 May 2019	50	10.43	88.06	4.7	33.74	7.9	25.9	0.39
F20	09 May 2019	51	10.39	88.17	4.7	33.74	7.9	25.9	0.38
F20	09 May 2019	52	10.37	88.22	4.7	33.74	7.9	25.9	0.38
F20	09 May 2019	53	10.34	88.27	4.6	33.75	7.9	25.9	0.37
F20	09 May 2019	54	10.30	88.57	4.6	33.76	7.9	25.9	0.40
F20	09 May 2019	55	10.30	88.72	4.6	33.76	7.9	25.9	0.36
F20	09 May 2019	56	10.29	88.85	4.6	33.76	7.9	25.9	0.35
F20	09 May 2019	57	10.28	88.89	4.6	33.76	7.9	25.9	0.35
F20	09 May 2019	58	10.27	88.93	4.6	33.76	7.9	25.9	0.34
F20	09 May 2019	59	10.27	88.91	4.6	33.76	7.9	25.9	0.34
F20	09 May 2019	60	10.26	88.89	4.6	33.76	7.9	25.9	0.34
F20	09 May 2019	61	10.24	88.99	4.6	33.77	7.9	25.9	0.34
F20	09 May 2019	62	10.22	88.95	4.5	33.77	7.9	26.0	0.33
F20	09 May 2019	63	10.19	88.99	4.5	33.77	7.9	26.0	0.33
F20	09 May 2019	64	10.17	89.02	4.5	33.78	7.9	26.0	0.33
F20	09 May 2019	65	10.14	89.05	4.5	33.78	7.9	26.0	0.31
F20	09 May 2019	66	10.13	89.04	4.4	33.78	7.9	26.0	0.32
F20	09 May 2019	67	10.17	88.63	4.3	33.81	7.8	26.0	0.33
F20	09 May 2019	68	10.18	88.05	4.2	33.81	7.8	26.0	0.34
F20	09 May 2019	69	10.18	87.46	4.2	33.82	7.8	26.0	0.33
F20	09 May 2019	70	10.19	86.90	4.1	33.82	7.8	26.0	0.33
F20	09 May 2019	71	10.19	86.65	4.1	33.83	7.8	26.0	0.32
F20	09 May 2019	72	10.19	86.28	4.1	33.83	7.8	26.0	0.33
F20	09 May 2019	73	10.19	86.16	4.1	33.83	7.8	26.0	0.33
F20	09 May 2019	74	10.19	86.04	4.0	33.83	7.8	26.0	0.33
F20	09 May 2019	75	10.19	85.35	4.0	33.83	7.8	26.0	0.33
F20	09 May 2019	76	10.19	84.98	4.0	33.84	7.8	26.0	0.33
F20	09 May 2019	77	10.18	84.57	4.0	33.84	7.8	26.0	0.33
F20	09 May 2019	78	10.18	84.42	4.0	33.84	7.8	26.0	0.33
F20	09 May 2019	79	10.14	83.98	3.9	33.85	7.8	26.0	0.33
F20	09 May 2019	80	10.09	82.87	3.8	33.87	7.8	26.1	0.32
F20	09 May 2019	81	10.11	82.28	3.8	33.86	7.8	26.0	0.32
F20	09 May 2019	82	10.04	81.84	3.8	33.88	7.8	26.1	0.32
F21	09 May 2019	1	16.03	78.94	8.2	33.64	8.2	24.7	1.82
F21	09 May 2019	2	15.71	78.57	8.2	33.66	8.2	24.8	2.16
F21	09 May 2019	3	15.25	77.81	8.0	33.66	8.2	24.9	2.93
F21	09 May 2019	4	14.42	75.68	7.8	33.66	8.2	25.1	3.99
F21	09 May 2019	5	13.93	74.07	7.5	33.65	8.2	25.2	4.59
F21	09 May 2019	6	13.67	74.80	7.3	33.63	8.1	25.2	4.53
F21	09 May 2019	7	13.51	75.77	7.2	33.63	8.1	25.2	4.45
F21	09 May 2019	8	13.30	76.78	7.0	33.63	8.1	25.3	4.17
F21	09 May 2019	9	12.98	78.16	6.8	33.64	8.1	25.3	3.80
F21	09 May 2019	10	12.80	78.87	6.7	33.62	8.1	25.4	3.54
F21	09 May 2019	11	12.71	80.37	6.6	33.62	8.1	25.4	3.29
F21	09 May 2019	12	12.58	80.76	6.4	33.64	8.1	25.4	2.94
F21	09 May 2019	13	12.42	80.82	6.2	33.64	8.0	25.5	2.57
F21	09 May 2019	14	12.24	82.47	6.1	33.64	8.0	25.5	2.26
F21	09 May 2019	15	12.20	83.13	6.0	33.63	8.0	25.5	2.20
F21	09 May 2019	16	12.15	83.15	6.0	33.63	8.0	25.5	2.32
F21	09 May 2019	17	12.13	83.47	5.9	33.64	8.0	25.5	2.12
F21	09 May 2019	18	11.89	84.02	5.6	33.66	8.0	25.6	1.79
F21	09 May 2019	19	11.75	84.98	5.5	33.65	8.0	25.6	1.46
F21	09 May 2019	20	11.66	85.10	5.4	33.65	8.0	25.6	1.24
F21	09 May 2019	21	11.57	85.96	5.3	33.66	8.0	25.6	1.04
F21	09 May 2019	22	11.40	86.36	5.1	33.66	7.9	25.7	0.87
F21	09 May 2019	23	11.32	86.63	5.1	33.67	7.9	25.7	0.76
F21	09 May 2019	24	11.26	86.76	5.1	33.67	7.9	25.7	0.71
F21	09 May 2019	25	11.23	87.17	5.1	33.67	7.9	25.7	0.68
F21	09 May 2019	26	11.20	87.32	5.1	33.67	7.9	25.7	0.65
F21	09 May 2019	27	11.18	87.52	5.1	33.67	7.9	25.7	0.63

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F21	09 May 2019	28	11.15	87.60	5.0	33.68	7.9	25.7	0.61
F21	09 May 2019	29	11.12	87.74	5.0	33.68	7.9	25.7	0.60
F21	09 May 2019	30	11.09	87.81	5.0	33.68	7.9	25.7	0.59
F21	09 May 2019	31	11.05	87.80	5.0	33.68	7.9	25.7	0.58
F21	09 May 2019	32	11.00	87.78	4.9	33.69	7.9	25.8	0.55
F21	09 May 2019	33	10.88	87.78	4.9	33.70	7.9	25.8	0.54
F21	09 May 2019	34	10.83	87.80	4.9	33.70	7.9	25.8	0.50
F21	09 May 2019	35	10.79	87.74	4.9	33.70	7.9	25.8	0.48
F21	09 May 2019	36	10.74	87.67	4.9	33.70	7.9	25.8	0.46
F21	09 May 2019	37	10.69	87.69	4.8	33.71	7.9	25.8	0.43
F21	09 May 2019	38	10.66	87.64	4.8	33.71	7.9	25.8	0.43
F21	09 May 2019	39	10.64	87.51	4.8	33.71	7.9	25.8	0.41
F21	09 May 2019	40	10.61	87.62	4.8	33.72	7.9	25.8	0.41
F21	09 May 2019	41	10.56	87.42	4.8	33.72	7.9	25.9	0.38
F21	09 May 2019	42	10.55	87.72	4.8	33.72	7.9	25.9	0.37
F21	09 May 2019	43	10.54	87.90	4.8	33.72	7.9	25.9	0.37
F21	09 May 2019	44	10.53	88.11	4.8	33.73	7.9	25.9	0.36
F21	09 May 2019	45	10.52	88.42	4.8	33.73	7.9	25.9	0.35
F21	09 May 2019	46	10.49	88.52	4.8	33.73	7.9	25.9	0.35
F21	09 May 2019	47	10.48	88.62	4.7	33.74	7.9	25.9	0.34
F21	09 May 2019	48	10.37	88.78	4.7	33.76	7.9	25.9	0.32
F21	09 May 2019	49	10.34	88.81	4.6	33.76	7.9	25.9	0.31
F21	09 May 2019	50	10.34	88.80	4.6	33.76	7.9	25.9	0.30
F21	09 May 2019	51	10.33	88.82	4.6	33.76	7.9	25.9	0.30
F21	09 May 2019	52	10.33	88.88	4.6	33.76	7.9	25.9	0.30
F21	09 May 2019	53	10.30	88.91	4.6	33.76	7.9	25.9	0.30
F21	09 May 2019	54	10.28	88.90	4.6	33.76	7.9	25.9	0.29
F21	09 May 2019	55	10.28	88.97	4.6	33.76	7.9	25.9	0.29
F21	09 May 2019	56	10.28	88.95	4.6	33.76	7.9	25.9	0.29
F21	09 May 2019	57	10.28	89.01	4.6	33.76	7.9	25.9	0.29
F21	09 May 2019	58	10.28	89.01	4.6	33.76	7.9	25.9	0.29
F21	09 May 2019	59	10.28	89.00	4.6	33.76	7.9	25.9	0.29
F21	09 May 2019	60	10.28	89.00	4.6	33.76	7.9	25.9	0.29
F21	09 May 2019	61	10.28	88.82	4.6	33.76	7.9	25.9	0.29
F21	09 May 2019	62	10.28	88.74	4.6	33.76	7.9	25.9	0.29
F21	09 May 2019	63	10.28	88.86	4.6	33.77	7.9	25.9	0.29
F21	09 May 2019	64	10.28	88.76	4.5	33.78	7.9	26.0	0.30
F21	09 May 2019	65	10.26	88.76	4.4	33.79	7.9	26.0	0.30
F21	09 May 2019	66	10.25	88.85	4.4	33.79	7.9	26.0	0.28
F21	09 May 2019	67	10.25	88.88	4.4	33.79	7.9	26.0	0.29
F21	09 May 2019	68	10.24	88.81	4.4	33.79	7.8	26.0	0.28
F21	09 May 2019	69	10.24	88.73	4.3	33.80	7.8	26.0	0.29
F21	09 May 2019	70	10.23	88.54	4.3	33.80	7.8	26.0	0.28
F21	09 May 2019	71	10.22	88.47	4.3	33.81	7.8	26.0	0.28
F21	09 May 2019	72	10.22	87.89	4.3	33.81	7.8	26.0	0.29
F21	09 May 2019	73	10.22	87.45	4.2	33.81	7.8	26.0	0.28
F21	09 May 2019	74	10.22	87.53	4.2	33.81	7.8	26.0	0.28
F21	09 May 2019	75	10.22	87.33	4.2	33.81	7.8	26.0	0.28
F21	09 May 2019	76	10.22	86.94	4.2	33.81	7.8	26.0	0.28
F21	09 May 2019	77	10.22	86.33	4.2	33.81	7.8	26.0	0.28
F21	09 May 2019	78	10.22	86.06	4.2	33.81	7.8	26.0	0.28
F21	09 May 2019	79	10.20	85.91	4.1	33.82	7.8	26.0	0.28
F21	09 May 2019	80	10.18	85.22	4.1	33.83	7.8	26.0	0.28
F21	09 May 2019	81	10.17	84.68	4.0	33.83	7.8	26.0	0.28
F21	09 May 2019	82	10.16	84.50	4.0	33.84	7.8	26.0	0.28
F21	09 May 2019	83	10.14	83.94	4.0	33.84	7.8	26.0	0.28
F21	09 May 2019	84	10.15	83.80	4.0	33.84	7.8	26.0	0.29
F22	09 May 2019	1	16.56	82.43	8.0	33.64	8.2	24.6	0.73
F22	09 May 2019	2	15.98	82.06	7.8	33.67	8.2	24.7	0.93
F22	09 May 2019	3	15.59	81.28	7.7	33.64	8.2	24.8	1.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F22	09 May 2019	4	15.56	80.90	7.7	33.64	8.2	24.8	1.55
F22	09 May 2019	5	15.41	80.76	7.5	33.65	8.2	24.8	1.79
F22	09 May 2019	6	14.89	80.70	7.3	33.66	8.2	25.0	2.09
F22	09 May 2019	7	14.55	80.37	7.1	33.65	8.2	25.0	2.47
F22	09 May 2019	8	13.67	79.78	6.7	33.69	8.1	25.2	2.93
F22	09 May 2019	9	12.55	79.60	6.3	33.67	8.1	25.5	3.07
F22	09 May 2019	10	12.25	80.98	6.2	33.63	8.0	25.5	2.54
F22	09 May 2019	11	12.24	82.69	6.2	33.62	8.0	25.5	2.24
F22	09 May 2019	12	12.23	82.93	6.1	33.62	8.0	25.5	2.17
F22	09 May 2019	13	12.22	82.98	6.1	33.63	8.0	25.5	2.20
F22	09 May 2019	14	12.19	83.11	6.0	33.63	8.0	25.5	2.19
F22	09 May 2019	15	12.08	83.51	6.0	33.64	8.0	25.5	2.02
F22	09 May 2019	16	12.00	83.80	5.9	33.64	8.0	25.5	1.92
F22	09 May 2019	17	11.98	84.39	5.8	33.64	8.0	25.5	1.87
F22	09 May 2019	18	11.93	84.60	5.7	33.64	8.0	25.5	1.78
F22	09 May 2019	19	11.86	84.81	5.7	33.65	8.0	25.6	1.69
F22	09 May 2019	20	11.73	84.92	5.6	33.66	8.0	25.6	1.54
F22	09 May 2019	21	11.66	85.19	5.5	33.65	8.0	25.6	1.48
F22	09 May 2019	22	11.62	85.79	5.4	33.66	8.0	25.6	1.35
F22	09 May 2019	23	11.47	86.12	5.3	33.67	8.0	25.7	1.15
F22	09 May 2019	24	11.30	86.56	5.2	33.67	8.0	25.7	0.92
F22	09 May 2019	25	11.25	86.75	5.1	33.67	7.9	25.7	0.80
F22	09 May 2019	26	11.11	86.88	5.1	33.69	7.9	25.7	0.70
F22	09 May 2019	27	11.02	87.22	5.1	33.69	7.9	25.8	0.65
F22	09 May 2019	28	10.97	87.55	5.1	33.69	7.9	25.8	0.61
F22	09 May 2019	29	10.96	87.89	5.0	33.69	7.9	25.8	0.58
F22	09 May 2019	30	10.94	87.91	5.1	33.69	7.9	25.8	0.56
F22	09 May 2019	31	10.93	87.87	5.0	33.69	7.9	25.8	0.55
F22	09 May 2019	32	10.91	87.99	5.0	33.69	7.9	25.8	0.54
F22	09 May 2019	33	10.87	87.92	5.0	33.69	7.9	25.8	0.52
F22	09 May 2019	34	10.83	87.93	5.0	33.69	7.9	25.8	0.51
F22	09 May 2019	35	10.80	88.22	5.0	33.70	7.9	25.8	0.48
F22	09 May 2019	36	10.71	88.24	5.0	33.71	7.9	25.8	0.45
F22	09 May 2019	37	10.67	88.67	4.9	33.71	7.9	25.8	0.42
F22	09 May 2019	38	10.66	88.74	4.9	33.71	7.9	25.8	0.42
F22	09 May 2019	39	10.66	88.71	4.9	33.71	7.9	25.8	0.41
F22	09 May 2019	40	10.65	88.77	4.9	33.72	7.9	25.8	0.40
F22	09 May 2019	41	10.62	88.70	4.8	33.72	7.9	25.8	0.40
F22	09 May 2019	42	10.60	88.60	4.8	33.72	7.9	25.9	0.39
F22	09 May 2019	43	10.58	88.45	4.8	33.73	7.9	25.9	0.38
F22	09 May 2019	44	10.56	88.31	4.7	33.73	7.9	25.9	0.38
F22	09 May 2019	45	10.54	87.29	4.5	33.73	7.9	25.9	0.36
F22	09 May 2019	46	10.52	86.00	4.4	33.73	7.9	25.9	0.34
F22	09 May 2019	47	10.50	85.23	4.3	33.74	7.9	25.9	0.34
F22	09 May 2019	48	10.48	84.28	4.2	33.74	7.8	25.9	0.33
F22	09 May 2019	49	10.47	84.02	4.2	33.74	7.8	25.9	0.32
F22	09 May 2019	50	10.47	84.12	4.2	33.74	7.8	25.9	0.32
F22	09 May 2019	51	10.46	84.09	4.2	33.74	7.8	25.9	0.32
F22	09 May 2019	52	10.44	83.72	4.2	33.74	7.8	25.9	0.31
F22	09 May 2019	53	10.44	83.48	4.2	33.75	7.8	25.9	0.31
F22	09 May 2019	54	10.44	83.56	4.1	33.75	7.8	25.9	0.31
F22	09 May 2019	55	10.42	83.41	4.2	33.75	7.8	25.9	0.33
F22	09 May 2019	56	10.40	83.59	4.2	33.75	7.8	25.9	0.32
F22	09 May 2019	57	10.36	82.46	4.1	33.75	7.8	25.9	0.29
F22	09 May 2019	58	10.35	81.75	4.1	33.75	7.8	25.9	0.29
F22	09 May 2019	59	10.34	82.11	4.2	33.76	7.8	25.9	0.29
F22	09 May 2019	60	10.32	83.90	4.2	33.77	7.8	25.9	0.28
F22	09 May 2019	61	10.29	84.60	4.2	33.78	7.8	25.9	0.27
F22	09 May 2019	62	10.26	84.17	4.1	33.79	7.8	26.0	0.27
F22	09 May 2019	63	10.26	84.07	4.2	33.79	7.8	26.0	0.27
F22	09 May 2019	64	10.26	84.31	4.2	33.79	7.8	26.0	0.28

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F22	09 May 2019	65	10.25	85.03	4.2	33.80	7.8	26.0	0.28
F22	09 May 2019	66	10.22	85.28	4.2	33.80	7.8	26.0	0.27
F22	09 May 2019	67	10.21	85.72	4.2	33.80	7.8	26.0	0.27
F22	09 May 2019	68	10.19	85.39	4.1	33.80	7.8	26.0	0.27
F22	09 May 2019	69	10.18	85.12	4.1	33.81	7.8	26.0	0.26
F22	09 May 2019	70	10.18	84.93	4.0	33.81	7.8	26.0	0.26
F22	09 May 2019	71	10.16	84.16	4.0	33.81	7.8	26.0	0.27
F22	09 May 2019	72	10.15	83.14	3.9	33.81	7.8	26.0	0.27
F22	09 May 2019	73	10.15	82.64	3.9	33.81	7.8	26.0	0.26
F22	09 May 2019	74	10.15	82.53	3.9	33.82	7.8	26.0	0.26
F22	09 May 2019	75	10.13	82.43	3.9	33.82	7.8	26.0	0.26
F22	09 May 2019	76	10.12	81.98	3.8	33.83	7.8	26.0	0.26
F22	09 May 2019	77	10.11	81.78	3.8	33.83	7.8	26.0	0.26
F22	09 May 2019	78	10.10	81.02	3.8	33.83	7.8	26.0	0.26
F22	09 May 2019	79	10.10	80.19	3.8	33.83	7.8	26.0	0.26
F22	09 May 2019	80	10.10	79.60	3.8	33.83	7.8	26.0	0.26
F22	09 May 2019	81	10.10	79.05	3.8	33.84	7.8	26.0	0.26
F23	09 May 2019	1	18.19	82.66	8.3	33.62	8.3	24.2	0.73
F23	09 May 2019	2	18.19	82.58	8.3	33.63	8.3	24.2	0.75
F23	09 May 2019	3	17.64	82.11	8.2	33.67	8.3	24.3	1.04
F23	09 May 2019	4	16.94	81.50	7.9	33.69	8.3	24.5	1.35
F23	09 May 2019	5	15.48	80.99	7.4	33.72	8.2	24.9	1.57
F23	09 May 2019	6	13.67	80.78	7.1	33.68	8.1	25.2	1.91
F23	09 May 2019	7	13.29	80.93	6.9	33.63	8.1	25.3	2.01
F23	09 May 2019	8	13.04	81.33	6.7	33.62	8.1	25.3	2.03
F23	09 May 2019	9	12.79	82.00	6.4	33.63	8.1	25.4	2.04
F23	09 May 2019	10	12.53	82.61	6.2	33.64	8.1	25.4	2.01
F23	09 May 2019	11	12.13	83.05	6.0	33.66	8.0	25.5	1.77
F23	09 May 2019	12	11.87	84.59	5.7	33.64	8.0	25.6	1.46
F23	09 May 2019	13	11.62	85.20	5.4	33.65	8.0	25.6	1.26
F23	09 May 2019	14	11.39	85.73	5.3	33.67	8.0	25.7	1.05
F23	09 May 2019	15	11.37	86.17	5.2	33.66	7.9	25.7	0.96
F23	09 May 2019	16	11.26	86.13	5.1	33.67	7.9	25.7	0.89
F23	09 May 2019	17	11.28	86.13	5.1	33.67	7.9	25.7	0.86
F23	09 May 2019	18	11.26	86.21	5.1	33.68	7.9	25.7	0.85
F23	09 May 2019	19	11.19	86.28	5.0	33.68	7.9	25.7	0.83
F23	09 May 2019	20	11.15	86.24	5.0	33.69	7.9	25.7	0.79
F23	09 May 2019	21	11.14	86.30	4.9	33.69	7.9	25.7	0.79
F23	09 May 2019	22	11.11	86.30	4.9	33.69	7.9	25.7	0.76
F23	09 May 2019	23	11.11	86.07	4.9	33.69	7.9	25.7	0.78
F23	09 May 2019	24	11.11	86.25	4.9	33.69	7.9	25.7	0.77
F23	09 May 2019	25	11.11	86.30	4.9	33.69	7.9	25.7	0.76
F23	09 May 2019	26	11.10	86.31	4.8	33.70	7.9	25.7	0.78
F23	09 May 2019	27	11.10	86.24	4.9	33.70	7.9	25.7	0.76
F23	09 May 2019	28	11.08	86.38	4.9	33.70	7.9	25.7	0.77
F23	09 May 2019	29	11.07	86.32	4.9	33.70	7.9	25.7	0.75
F23	09 May 2019	30	11.08	86.39	4.9	33.70	7.9	25.7	0.74
F23	09 May 2019	31	11.06	86.53	4.8	33.70	7.9	25.8	0.74
F23	09 May 2019	32	11.05	86.69	4.8	33.70	7.9	25.8	0.73
F23	09 May 2019	33	10.98	86.91	4.8	33.71	7.9	25.8	0.69
F23	09 May 2019	34	10.96	86.98	4.8	33.70	7.9	25.8	0.66
F23	09 May 2019	35	10.96	87.05	4.8	33.70	7.9	25.8	0.64
F23	09 May 2019	36	10.95	87.03	4.8	33.70	7.9	25.8	0.62
F23	09 May 2019	37	10.94	87.04	4.8	33.70	7.9	25.8	0.63
F23	09 May 2019	38	10.93	87.07	4.8	33.70	7.9	25.8	0.62
F23	09 May 2019	39	10.92	87.00	4.8	33.70	7.9	25.8	0.60
F23	09 May 2019	40	10.89	87.04	4.8	33.71	7.9	25.8	0.60
F23	09 May 2019	41	10.87	87.48	4.8	33.70	7.9	25.8	0.58
F23	09 May 2019	42	10.85	87.44	4.8	33.70	7.9	25.8	0.57
F23	09 May 2019	43	10.85	87.47	4.8	33.70	7.9	25.8	0.54

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F23	09 May 2019	44	10.81	87.20	4.7	33.71	7.9	25.8	0.53
F23	09 May 2019	45	10.76	87.22	4.7	33.72	7.9	25.8	0.51
F23	09 May 2019	46	10.72	87.01	4.6	33.72	7.9	25.8	0.49
F23	09 May 2019	47	10.70	86.62	4.6	33.72	7.9	25.8	0.48
F23	09 May 2019	48	10.68	86.52	4.5	33.72	7.9	25.8	0.46
F23	09 May 2019	49	10.68	86.42	4.5	33.72	7.9	25.8	0.45
F23	09 May 2019	50	10.66	86.04	4.5	33.72	7.9	25.8	0.44
F23	09 May 2019	51	10.64	85.67	4.4	33.72	7.9	25.8	0.43
F23	09 May 2019	52	10.62	85.14	4.4	33.72	7.9	25.8	0.42
F23	09 May 2019	53	10.57	84.82	4.3	33.72	7.9	25.9	0.40
F23	09 May 2019	54	10.53	84.45	4.2	33.71	7.8	25.9	0.38
F23	09 May 2019	55	10.52	84.37	4.2	33.71	7.8	25.9	0.35
F23	09 May 2019	56	10.52	84.33	4.2	33.71	7.8	25.9	0.33
F23	09 May 2019	57	10.50	84.19	4.2	33.72	7.8	25.9	0.32
F23	09 May 2019	58	10.47	83.94	4.2	33.72	7.8	25.9	0.32
F23	09 May 2019	59	10.44	83.55	4.1	33.73	7.8	25.9	0.31
F23	09 May 2019	60	10.41	84.11	4.1	33.73	7.8	25.9	0.30
F23	09 May 2019	61	10.40	84.38	4.1	33.73	7.8	25.9	0.29
F23	09 May 2019	62	10.38	84.19	4.1	33.74	7.8	25.9	0.28
F23	09 May 2019	63	10.37	84.50	4.0	33.74	7.8	25.9	0.28
F23	09 May 2019	64	10.37	84.51	4.1	33.74	7.8	25.9	0.28
F23	09 May 2019	65	10.36	84.39	4.1	33.74	7.8	25.9	0.28
F23	09 May 2019	66	10.36	84.21	4.1	33.74	7.8	25.9	0.28
F23	09 May 2019	67	10.36	84.57	4.1	33.75	7.8	25.9	0.28
F23	09 May 2019	68	10.33	84.22	4.1	33.76	7.8	25.9	0.29
F23	09 May 2019	69	10.30	84.09	4.0	33.76	7.8	25.9	0.29
F23	09 May 2019	70	10.30	83.89	4.0	33.76	7.8	25.9	0.28
F23	09 May 2019	71	10.30	84.10	4.0	33.76	7.8	25.9	0.28
F23	09 May 2019	72	10.29	83.98	4.0	33.77	7.8	25.9	0.27
F23	09 May 2019	73	10.29	83.83	4.0	33.77	7.8	25.9	0.27
F23	09 May 2019	74	10.29	83.88	4.0	33.77	7.8	25.9	0.27
F23	09 May 2019	75	10.27	84.45	4.0	33.77	7.8	25.9	0.27
F23	09 May 2019	76	10.24	84.79	4.0	33.77	7.8	26.0	0.27
F23	09 May 2019	77	10.23	85.17	4.0	33.78	7.8	26.0	0.27
F23	09 May 2019	78	10.14	83.51	3.9	33.81	7.8	26.0	0.26
F23	09 May 2019	79	10.13	82.57	3.8	33.81	7.8	26.0	0.26
F23	09 May 2019	80	10.13	82.51	3.8	33.82	7.8	26.0	0.26
F23	09 May 2019	81	10.12	82.16	3.8	33.82	7.8	26.0	0.25
F23	09 May 2019	82	10.12	81.75	3.8	33.82	7.8	26.0	0.26
F24	09 May 2019	1	18.42	83.90	8.4	33.65	8.3	24.1	0.76
F24	09 May 2019	2	18.41	83.85	8.4	33.65	8.3	24.1	0.85
F24	09 May 2019	3	18.37	83.62	8.4	33.66	8.3	24.2	1.04
F24	09 May 2019	4	17.98	83.26	8.4	33.68	8.3	24.3	1.42
F24	09 May 2019	5	16.59	82.26	8.7	33.70	8.3	24.6	1.46
F24	09 May 2019	6	15.45	82.74	8.9	33.62	8.2	24.8	1.36
F24	09 May 2019	7	14.86	82.94	9.0	33.58	8.2	24.9	1.54
F24	09 May 2019	8	14.68	82.01	8.8	33.58	8.2	24.9	1.78
F24	09 May 2019	9	14.30	80.71	8.6	33.58	8.2	25.0	2.30
F24	09 May 2019	10	14.09	78.43	8.4	33.58	8.2	25.1	3.23
F24	09 May 2019	11	13.80	75.69	8.1	33.60	8.2	25.1	3.79
F24	09 May 2019	12	13.44	76.27	7.5	33.61	8.2	25.2	3.61
F24	09 May 2019	13	13.01	77.82	7.0	33.63	8.1	25.3	2.93
F24	09 May 2019	14	12.72	79.64	6.6	33.63	8.1	25.4	2.43
F24	09 May 2019	15	12.15	81.45	6.1	33.66	8.0	25.5	1.91
F24	09 May 2019	16	12.00	82.98	5.8	33.65	8.0	25.5	1.54
F24	09 May 2019	17	11.92	84.01	5.8	33.65	8.0	25.6	1.39
F24	09 May 2019	18	11.90	84.23	5.8	33.65	8.0	25.6	1.34
F24	09 May 2019	19	11.81	84.75	5.7	33.66	8.0	25.6	1.34
F24	09 May 2019	20	11.51	85.67	5.4	33.67	8.0	25.6	1.17
F24	09 May 2019	21	11.42	85.72	5.4	33.67	8.0	25.7	1.09

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F24	09 May 2019	22	11.34	86.02	5.3	33.67	8.0	25.7	1.03
F24	09 May 2019	23	11.36	86.12	5.3	33.67	8.0	25.7	0.98
F24	09 May 2019	24	11.22	86.58	5.2	33.68	8.0	25.7	0.92
F24	09 May 2019	25	11.17	86.96	5.2	33.68	7.9	25.7	0.90
F24	09 May 2019	26	11.12	87.25	5.1	33.69	7.9	25.7	0.81
F24	09 May 2019	27	11.07	87.34	5.1	33.69	7.9	25.7	0.73
F24	09 May 2019	28	11.02	87.60	5.1	33.69	7.9	25.8	0.69
F24	09 May 2019	29	10.85	87.89	5.0	33.69	7.9	25.8	0.63
F24	09 May 2019	30	10.82	87.87	5.0	33.69	7.9	25.8	0.58
F24	09 May 2019	31	10.81	87.74	5.0	33.69	7.9	25.8	0.54
F24	09 May 2019	32	10.75	87.43	4.9	33.70	7.9	25.8	0.48
F24	09 May 2019	33	10.70	87.23	4.7	33.70	7.9	25.8	0.43
F24	09 May 2019	34	10.64	87.03	4.6	33.71	7.9	25.8	0.44
F24	09 May 2019	35	10.61	87.00	4.6	33.71	7.9	25.8	0.37
F24	09 May 2019	36	10.61	87.02	4.6	33.71	7.9	25.8	0.35
F24	09 May 2019	37	10.58	87.01	4.6	33.71	7.9	25.8	0.35
F24	09 May 2019	38	10.57	87.05	4.6	33.71	7.9	25.8	0.36
F24	09 May 2019	39	10.57	87.05	4.6	33.71	7.9	25.8	0.38
F24	09 May 2019	40	10.58	87.15	4.6	33.71	7.9	25.8	0.35
F24	09 May 2019	41	10.55	86.83	4.5	33.72	7.9	25.9	0.35
F24	09 May 2019	42	10.49	85.70	4.5	33.73	7.9	25.9	0.33
F24	09 May 2019	43	10.49	84.70	4.3	33.74	7.9	25.9	0.32
F24	09 May 2019	44	10.47	83.91	4.2	33.74	7.8	25.9	0.29
F24	09 May 2019	45	10.46	85.04	4.3	33.74	7.9	25.9	0.30
F24	09 May 2019	46	10.46	84.85	4.3	33.74	7.9	25.9	0.29
F24	09 May 2019	47	10.46	84.55	4.2	33.74	7.8	25.9	0.29
F24	09 May 2019	48	10.46	84.04	4.2	33.74	7.8	25.9	0.29
F24	09 May 2019	49	10.46	83.93	4.2	33.74	7.8	25.9	0.29
F24	09 May 2019	50	10.44	84.02	4.2	33.74	7.8	25.9	0.28
F24	09 May 2019	51	10.43	84.13	4.2	33.74	7.8	25.9	0.28
F24	09 May 2019	52	10.42	84.45	4.3	33.74	7.8	25.9	0.28
F24	09 May 2019	53	10.41	84.94	4.3	33.74	7.8	25.9	0.29
F24	09 May 2019	54	10.40	85.44	4.4	33.74	7.8	25.9	0.30
F24	09 May 2019	55	10.37	86.90	4.5	33.74	7.9	25.9	0.28
F24	09 May 2019	56	10.36	87.82	4.6	33.74	7.9	25.9	0.28
F24	09 May 2019	57	10.35	87.72	4.5	33.74	7.9	25.9	0.28
F24	09 May 2019	58	10.34	87.60	4.5	33.74	7.9	25.9	0.27
F24	09 May 2019	59	10.32	87.52	4.4	33.75	7.9	25.9	0.27
F24	09 May 2019	60	10.32	87.17	4.4	33.75	7.8	25.9	0.26
F24	09 May 2019	61	10.31	87.05	4.3	33.75	7.8	25.9	0.34
F24	09 May 2019	62	10.31	87.01	4.3	33.75	7.8	25.9	0.29
F24	09 May 2019	63	10.31	86.50	4.3	33.75	7.8	25.9	0.26
F24	09 May 2019	64	10.30	86.24	4.2	33.75	7.8	25.9	0.26
F24	09 May 2019	65	10.30	86.38	4.2	33.75	7.8	25.9	0.25
F24	09 May 2019	66	10.30	85.89	4.2	33.76	7.8	25.9	0.25
F24	09 May 2019	67	10.30	86.00	4.3	33.76	7.8	25.9	0.25
F24	09 May 2019	68	10.30	86.10	4.3	33.76	7.8	25.9	0.25
F24	09 May 2019	69	10.28	86.29	4.3	33.76	7.8	25.9	0.25
F24	09 May 2019	70	10.28	86.47	4.3	33.76	7.8	25.9	0.25
F24	09 May 2019	71	10.29	86.79	4.3	33.76	7.8	25.9	0.24
F24	09 May 2019	72	10.27	86.90	4.3	33.76	7.8	25.9	0.25
F24	09 May 2019	73	10.27	86.71	4.3	33.76	7.8	25.9	0.25
F24	09 May 2019	74	10.26	86.79	4.2	33.77	7.8	25.9	0.25
F24	09 May 2019	75	10.25	86.30	4.1	33.77	7.8	26.0	0.24
F24	09 May 2019	76	10.25	86.19	4.0	33.77	7.8	26.0	0.23
F24	09 May 2019	77	10.20	86.13	4.0	33.78	7.8	26.0	0.23
F24	09 May 2019	78	10.19	86.02	4.0	33.79	7.8	26.0	0.22
F24	09 May 2019	79	10.15	86.05	4.0	33.80	7.8	26.0	0.22
F24	09 May 2019	80	10.14	85.94	3.9	33.81	7.8	26.0	0.22
F24	09 May 2019	81	10.06	85.12	3.8	33.84	7.8	26.0	0.21
F24	09 May 2019	82	10.05	84.71	3.8	33.85	7.8	26.0	0.21

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F25	09 May 2019	1	18.53	84.63	8.3	33.66	8.3	24.1	0.67
F25	09 May 2019	2	18.53	84.78	8.3	33.66	8.3	24.1	0.72
F25	09 May 2019	3	18.53	84.82	8.3	33.66	8.3	24.1	0.71
F25	09 May 2019	4	18.49	84.76	8.2	33.66	8.3	24.1	0.73
F25	09 May 2019	5	17.58	84.99	8.5	33.66	8.3	24.3	0.79
F25	09 May 2019	6	17.01	85.80	8.5	33.64	8.2	24.5	0.76
F25	09 May 2019	7	16.32	86.14	8.7	33.60	8.2	24.6	0.67
F25	09 May 2019	8	16.15	86.21	8.6	33.58	8.2	24.6	0.67
F25	09 May 2019	9	15.75	86.04	8.7	33.59	8.2	24.7	0.65
F25	09 May 2019	10	15.51	85.95	8.7	33.57	8.2	24.8	0.68
F25	09 May 2019	11	15.11	85.71	8.7	33.59	8.2	24.9	0.74
F25	09 May 2019	12	14.82	85.18	8.7	33.57	8.2	24.9	0.84
F25	09 May 2019	13	14.73	84.79	8.6	33.57	8.2	24.9	0.91
F25	09 May 2019	14	14.37	84.66	8.7	33.57	8.2	25.0	0.99
F25	09 May 2019	15	14.19	84.33	8.5	33.59	8.2	25.1	1.16
F25	09 May 2019	16	13.49	81.49	8.2	33.59	8.2	25.2	2.73
F25	09 May 2019	17	13.48	78.81	8.1	33.54	8.2	25.2	4.15
F25	09 May 2019	18	13.40	79.06	7.9	33.60	8.2	25.2	4.02
F25	09 May 2019	19	13.05	80.60	7.5	33.58	8.1	25.3	3.82
F25	09 May 2019	20	13.04	81.30	7.4	33.56	8.1	25.3	3.72
F25	09 May 2019	21	12.94	81.32	7.3	33.58	8.1	25.3	3.92
F25	09 May 2019	22	12.90	81.19	7.2	33.58	8.1	25.3	3.54
F25	09 May 2019	23	12.81	81.04	7.0	33.59	8.1	25.3	3.48
F25	09 May 2019	24	12.78	81.12	6.9	33.59	8.1	25.3	3.10
F25	09 May 2019	25	12.68	81.37	6.7	33.60	8.1	25.4	2.76
F25	09 May 2019	26	12.61	81.42	6.4	33.60	8.1	25.4	2.55
F25	09 May 2019	27	12.59	81.03	6.2	33.60	8.0	25.4	2.46
F25	09 May 2019	28	12.49	81.24	6.0	33.63	8.0	25.4	2.24
F25	09 May 2019	29	12.36	81.86	5.6	33.63	8.0	25.5	2.06
F25	09 May 2019	30	12.29	82.88	5.6	33.63	8.0	25.5	1.79
F25	09 May 2019	31	12.27	83.91	5.5	33.63	8.0	25.5	1.69
F25	09 May 2019	32	12.14	84.87	5.4	33.64	8.0	25.5	1.49
F25	09 May 2019	33	12.00	84.89	5.4	33.64	8.0	25.5	1.41
F25	09 May 2019	34	11.99	84.85	5.4	33.64	8.0	25.5	1.25
F25	09 May 2019	35	11.93	84.63	5.3	33.64	8.0	25.5	1.21
F25	09 May 2019	36	11.88	84.25	5.3	33.65	8.0	25.6	1.21
F25	09 May 2019	37	11.79	84.35	5.3	33.65	8.0	25.6	1.16
F25	09 May 2019	38	11.68	84.71	5.2	33.67	7.9	25.6	1.06
F25	09 May 2019	39	11.45	84.94	5.0	33.67	7.9	25.7	0.83
F25	09 May 2019	40	11.38	84.60	5.0	33.67	7.9	25.7	0.73
F25	09 May 2019	41	11.26	84.56	4.9	33.67	7.9	25.7	0.65
F25	09 May 2019	42	11.21	84.80	4.9	33.67	7.9	25.7	0.60
F25	09 May 2019	43	11.14	85.36	4.9	33.68	7.9	25.7	0.57
F25	09 May 2019	44	11.07	85.73	4.9	33.68	7.9	25.7	0.55
F25	09 May 2019	45	10.93	86.41	4.9	33.68	7.9	25.8	0.51
F25	09 May 2019	46	10.88	87.07	4.8	33.69	7.9	25.8	0.50
F25	09 May 2019	47	10.77	87.15	4.9	33.69	7.9	25.8	0.49
F25	09 May 2019	48	10.73	87.46	4.8	33.69	7.9	25.8	0.48
F25	09 May 2019	49	10.66	87.90	4.9	33.69	7.9	25.8	0.44
F25	09 May 2019	50	10.63	88.22	4.9	33.69	7.9	25.8	0.42
F25	09 May 2019	51	10.59	88.32	4.9	33.70	7.9	25.8	0.40
F25	09 May 2019	52	10.55	88.21	4.8	33.70	7.9	25.8	0.38
F25	09 May 2019	53	10.49	87.85	4.6	33.72	7.9	25.9	0.34
F25	09 May 2019	54	10.48	87.63	4.5	33.72	7.9	25.9	0.31
F25	09 May 2019	55	10.47	87.47	4.4	33.72	7.9	25.9	0.29
F25	09 May 2019	56	10.45	87.34	4.4	33.72	7.9	25.9	0.29
F25	09 May 2019	57	10.43	87.11	4.3	33.73	7.8	25.9	0.28
F25	09 May 2019	58	10.37	87.10	4.3	33.73	7.8	25.9	0.26
F25	09 May 2019	59	10.33	87.23	4.3	33.74	7.8	25.9	0.25
F25	09 May 2019	60	10.24	87.75	4.3	33.74	7.8	25.9	0.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F25	09 May 2019	61	10.24	87.59	4.3	33.74	7.8	25.9	0.21
F25	09 May 2019	62	10.24	87.34	4.3	33.75	7.8	25.9	0.21
F25	09 May 2019	63	10.26	87.04	4.2	33.76	7.8	25.9	0.21
F25	09 May 2019	64	10.27	86.82	4.2	33.77	7.8	25.9	0.21
F25	09 May 2019	65	10.26	86.73	4.2	33.77	7.8	26.0	0.26
F25	09 May 2019	66	10.23	86.78	4.2	33.78	7.8	26.0	0.21
F25	09 May 2019	67	10.23	86.85	4.1	33.78	7.8	26.0	0.21
F25	09 May 2019	68	10.19	86.75	4.0	33.80	7.8	26.0	0.20
F25	09 May 2019	69	10.15	86.70	4.0	33.80	7.8	26.0	0.20
F25	09 May 2019	70	10.14	86.65	4.0	33.81	7.8	26.0	0.19
F25	09 May 2019	71	10.13	86.57	3.9	33.81	7.8	26.0	0.19
F25	09 May 2019	72	10.12	86.53	3.9	33.81	7.8	26.0	0.20
F25	09 May 2019	73	10.10	86.38	3.9	33.83	7.8	26.0	0.20
F25	09 May 2019	74	10.06	86.34	3.8	33.85	7.8	26.0	0.19
F25	09 May 2019	75	10.03	85.91	3.8	33.86	7.8	26.1	0.18
F25	09 May 2019	76	10.01	85.32	3.8	33.87	7.8	26.1	0.19
F25	09 May 2019	77	10.01	85.12	3.7	33.87	7.8	26.1	0.19
F25	09 May 2019	78	10.01	84.97	3.7	33.87	7.8	26.1	0.19
F25	09 May 2019	79	10.01	84.87	3.7	33.88	7.8	26.1	0.19
F25	09 May 2019	80	10.00	84.71	3.8	33.88	7.8	26.1	0.19
F26	07 May 2019	1	18.41	85.45	8.5	33.67	8.3	24.1	0.33
F26	07 May 2019	2	18.41	85.50	8.4	33.67	8.3	24.2	0.34
F26	07 May 2019	3	18.39	85.42	8.5	33.67	8.3	24.2	0.35
F26	07 May 2019	4	18.34	85.47	8.5	33.67	8.3	24.2	0.38
F26	07 May 2019	5	18.28	85.40	8.4	33.67	8.3	24.2	0.41
F26	07 May 2019	6	18.23	85.14	8.5	33.66	8.3	24.2	0.47
F26	07 May 2019	7	18.10	84.92	8.4	33.68	8.3	24.2	0.51
F26	07 May 2019	8	17.63	84.13	8.7	33.67	8.3	24.3	0.62
F26	07 May 2019	9	17.29	83.71	8.9	33.66	8.3	24.4	0.66
F26	07 May 2019	10	16.01	81.64	9.9	33.63	8.3	24.7	0.77
F26	07 May 2019	11	15.50	81.12	9.9	33.62	8.3	24.8	0.82
F26	07 May 2019	12	14.80	80.35	9.9	33.60	8.3	24.9	0.94
F26	07 May 2019	13	14.65	79.90	9.8	33.58	8.2	25.0	1.07
F26	07 May 2019	14	14.53	80.21	9.6	33.58	8.2	25.0	1.25
F26	07 May 2019	15	13.97	80.41	8.8	33.61	8.2	25.1	1.37
F26	07 May 2019	16	13.36	80.01	8.1	33.58	8.1	25.2	1.87
F26	07 May 2019	17	13.14	79.25	7.5	33.60	8.1	25.3	2.57
F26	07 May 2019	18	12.97	78.62	7.1	33.59	8.1	25.3	3.64
F26	07 May 2019	19	12.86	77.71	6.8	33.60	8.1	25.3	4.13
F26	07 May 2019	20	12.66	78.31	6.5	33.60	8.0	25.4	4.59
F26	07 May 2019	21	12.57	80.95	6.2	33.61	8.0	25.4	4.42
F26	07 May 2019	22	12.40	83.24	5.9	33.62	8.0	25.4	3.72
F26	07 May 2019	23	12.23	85.10	5.6	33.63	8.0	25.5	2.66
F26	07 May 2019	24	12.16	85.92	5.5	33.63	7.9	25.5	1.68
F26	07 May 2019	25	12.01	87.27	5.4	33.65	7.9	25.5	1.30
F26	07 May 2019	26	11.94	87.54	5.3	33.64	7.9	25.5	1.01
F26	07 May 2019	27	11.88	87.76	5.3	33.65	7.9	25.6	0.85
F26	07 May 2019	28	11.79	87.98	5.3	33.65	7.9	25.6	0.77
F26	07 May 2019	29	11.75	88.14	5.3	33.65	7.9	25.6	0.69
F26	07 May 2019	30	11.71	88.17	5.3	33.65	7.9	25.6	0.68
F26	07 May 2019	31	11.71	88.13	5.3	33.65	7.9	25.6	0.65
F26	07 May 2019	32	11.66	88.24	5.2	33.65	7.9	25.6	0.65
F26	07 May 2019	33	11.62	88.24	5.3	33.65	7.9	25.6	0.64
F26	07 May 2019	34	11.61	88.24	5.3	33.66	7.9	25.6	0.64
F26	07 May 2019	35	11.55	88.27	5.2	33.66	7.9	25.6	0.64
F26	07 May 2019	36	11.52	88.27	5.2	33.66	7.9	25.6	0.65
F26	07 May 2019	37	11.50	88.28	5.2	33.66	7.9	25.6	0.62
F26	07 May 2019	38	11.40	88.27	5.2	33.67	7.9	25.7	0.61
F26	07 May 2019	39	11.31	88.31	5.1	33.67	7.9	25.7	0.59
F26	07 May 2019	40	11.26	88.36	5.1	33.67	7.9	25.7	0.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F26	07 May 2019	41	11.17	88.36	5.1	33.68	7.9	25.7	0.53
F26	07 May 2019	42	11.16	88.29	5.1	33.67	7.9	25.7	0.52
F26	07 May 2019	43	11.07	88.37	5.1	33.68	7.9	25.7	0.51
F26	07 May 2019	44	11.03	88.37	5.1	33.68	7.9	25.7	0.48
F26	07 May 2019	45	10.99	88.33	5.1	33.69	7.9	25.8	0.45
F26	07 May 2019	46	10.98	88.26	5.1	33.69	7.9	25.8	0.44
F26	07 May 2019	47	10.88	88.20	5.0	33.69	7.9	25.8	0.42
F26	07 May 2019	48	10.86	88.34	5.1	33.69	7.9	25.8	0.40
F26	07 May 2019	49	10.85	88.39	5.1	33.69	7.9	25.8	0.38
F26	07 May 2019	50	10.81	88.62	5.1	33.69	7.9	25.8	0.37
F26	07 May 2019	51	10.76	88.71	5.0	33.69	7.9	25.8	0.39
F26	07 May 2019	52	10.73	88.69	5.0	33.69	7.9	25.8	0.36
F26	07 May 2019	53	10.61	88.88	5.0	33.71	7.9	25.8	0.32
F26	07 May 2019	54	10.53	88.94	4.9	33.72	7.9	25.9	0.30
F26	07 May 2019	55	10.49	88.96	4.8	33.73	7.8	25.9	0.27
F26	07 May 2019	56	10.47	88.97	4.7	33.74	7.8	25.9	0.25
F26	07 May 2019	57	10.45	88.99	4.6	33.75	7.8	25.9	0.23
F26	07 May 2019	58	10.44	88.99	4.6	33.76	7.8	25.9	0.23
F26	07 May 2019	59	10.42	88.99	4.6	33.76	7.8	25.9	0.23
F26	07 May 2019	60	10.36	89.00	4.6	33.76	7.8	25.9	0.22
F26	07 May 2019	61	10.36	89.04	4.6	33.76	7.8	25.9	0.21
F26	07 May 2019	62	10.34	89.01	4.7	33.76	7.8	25.9	0.21
F26	07 May 2019	63	10.31	89.03	4.6	33.76	7.8	25.9	0.20
F26	07 May 2019	64	10.18	89.07	4.6	33.77	7.8	26.0	0.19
F26	07 May 2019	65	10.13	89.08	4.6	33.77	7.8	26.0	0.19
F26	07 May 2019	66	10.13	89.06	4.5	33.78	7.8	26.0	0.18
F26	07 May 2019	67	10.12	89.09	4.5	33.78	7.8	26.0	0.18
F26	07 May 2019	68	10.12	89.06	4.5	33.78	7.8	26.0	0.18
F26	07 May 2019	69	10.10	89.04	4.5	33.78	7.8	26.0	0.18
F26	07 May 2019	70	10.08	89.01	4.4	33.80	7.8	26.0	0.18
F26	07 May 2019	71	10.09	89.04	4.4	33.81	7.8	26.0	0.17
F26	07 May 2019	72	10.08	89.02	4.3	33.82	7.8	26.0	0.17
F26	07 May 2019	73	10.06	89.02	4.3	33.83	7.8	26.0	0.17
F26	07 May 2019	74	10.05	88.98	4.2	33.84	7.8	26.0	0.17
F26	07 May 2019	75	10.04	88.97	4.2	33.84	7.8	26.0	0.18
F26	07 May 2019	76	10.04	89.01	4.2	33.85	7.8	26.0	0.17
F26	07 May 2019	77	10.04	89.00	4.2	33.85	7.8	26.0	0.17
F26	07 May 2019	78	10.04	89.00	4.1	33.85	7.8	26.1	0.18
F26	07 May 2019	79	10.02	88.96	4.1	33.87	7.8	26.1	0.17
F26	07 May 2019	80	10.01	88.85	4.0	33.87	7.8	26.1	0.17
F26	07 May 2019	81	9.99	88.92	4.0	33.88	7.8	26.1	0.16
F26	07 May 2019	82	9.99	88.73	3.9	33.88	7.8	26.1	0.16
F26	07 May 2019	83	10.00	88.33	3.9	33.89	7.8	26.1	0.16
F26	07 May 2019	84	9.99	88.19	3.8	33.90	7.8	26.1	0.16
F26	07 May 2019	85	9.95	88.12	3.8	33.91	7.8	26.1	0.16
F26	07 May 2019	86	9.93	88.37	3.8	33.91	7.8	26.1	0.16
F26	07 May 2019	87	9.91	88.33	3.8	33.92	7.8	26.1	0.16
F26	07 May 2019	88	9.90	87.94	3.7	33.92	7.8	26.1	0.16
F26	07 May 2019	89	9.90	87.39	3.6	33.93	7.8	26.1	0.16
F26	07 May 2019	90	9.89	87.33	3.6	33.93	7.7	26.1	0.16
F26	07 May 2019	91	9.87	87.27	3.6	33.94	7.7	26.1	0.15
F26	07 May 2019	92	9.86	87.21	3.6	33.94	7.7	26.1	0.16
F26	07 May 2019	93	9.85	87.19	3.6	33.94	7.7	26.2	0.16
F26	07 May 2019	94	9.84	87.10	3.5	33.95	7.7	26.2	0.15
F26	07 May 2019	95	9.82	87.16	3.5	33.95	7.7	26.2	0.15
F26	07 May 2019	96	9.79	87.34	3.5	33.96	7.7	26.2	0.16
F26	07 May 2019	97	9.80	87.39	3.5	33.96	7.7	26.2	0.15
F26	07 May 2019	98	9.77	87.57	3.5	33.97	7.7	26.2	0.15
F26	07 May 2019	99	9.72	87.19	3.4	33.98	7.7	26.2	0.15
F26	07 May 2019	100	9.71	86.21	3.4	33.99	7.7	26.2	0.15

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F27	07 May 2019	1	18.38	84.75	8.4	33.67	8.2	24.2	0.37
F27	07 May 2019	2	18.38	85.04	8.3	33.67	8.2	24.2	0.38
F27	07 May 2019	3	18.38	85.44	8.3	33.67	8.2	24.2	0.40
F27	07 May 2019	4	18.30	85.20	8.4	33.67	8.2	24.2	0.44
F27	07 May 2019	5	18.23	85.03	8.4	33.67	8.2	24.2	0.50
F27	07 May 2019	6	18.12	84.96	8.5	33.67	8.3	24.2	0.54
F27	07 May 2019	7	17.92	84.38	8.7	33.66	8.3	24.3	0.59
F27	07 May 2019	8	17.17	84.02	9.2	33.70	8.3	24.5	0.65
F27	07 May 2019	9	16.26	82.44	9.8	33.64	8.3	24.6	0.81
F27	07 May 2019	10	15.34	81.11	10.3	33.62	8.3	24.8	0.92
F27	07 May 2019	11	15.04	80.42	10.0	33.63	8.3	24.9	1.00
F27	07 May 2019	12	14.43	80.13	9.6	33.59	8.2	25.0	1.15
F27	07 May 2019	13	14.30	79.91	9.5	33.57	8.2	25.0	1.34
F27	07 May 2019	14	13.93	79.97	8.7	33.61	8.2	25.1	1.55
F27	07 May 2019	15	13.28	79.56	7.9	33.59	8.1	25.2	2.30
F27	07 May 2019	16	13.10	79.43	7.4	33.59	8.1	25.3	2.87
F27	07 May 2019	17	12.87	79.55	7.0	33.60	8.1	25.3	3.28
F27	07 May 2019	18	12.72	79.84	6.7	33.60	8.0	25.4	3.66
F27	07 May 2019	19	12.64	80.97	6.4	33.60	8.0	25.4	3.49
F27	07 May 2019	20	12.45	83.44	6.0	33.63	8.0	25.4	3.08
F27	07 May 2019	21	12.28	85.10	5.7	33.62	8.0	25.5	2.20
F27	07 May 2019	22	12.24	85.62	5.6	33.62	8.0	25.5	1.77
F27	07 May 2019	23	12.11	86.40	5.5	33.63	7.9	25.5	1.34
F27	07 May 2019	24	12.08	87.27	5.4	33.64	7.9	25.5	1.09
F27	07 May 2019	25	11.83	87.69	5.3	33.66	7.9	25.6	0.89
F27	07 May 2019	26	11.72	88.05	5.3	33.65	7.9	25.6	0.76
F27	07 May 2019	27	11.64	88.17	5.3	33.65	7.9	25.6	0.68
F27	07 May 2019	28	11.60	88.18	5.3	33.65	7.9	25.6	0.68
F27	07 May 2019	29	11.58	88.19	5.3	33.65	7.9	25.6	0.67
F27	07 May 2019	30	11.56	88.21	5.3	33.66	7.9	25.6	0.65
F27	07 May 2019	31	11.53	88.26	5.3	33.66	7.9	25.6	0.65
F27	07 May 2019	32	11.44	88.27	5.2	33.67	7.9	25.7	0.64
F27	07 May 2019	33	11.36	88.10	5.2	33.67	7.9	25.7	0.60
F27	07 May 2019	34	11.33	87.93	5.2	33.67	7.9	25.7	0.57
F27	07 May 2019	35	11.29	87.89	5.1	33.67	7.9	25.7	0.55
F27	07 May 2019	36	11.24	87.87	5.1	33.67	7.9	25.7	0.54
F27	07 May 2019	37	11.23	87.84	5.1	33.67	7.9	25.7	0.52
F27	07 May 2019	38	11.19	87.70	5.1	33.68	7.9	25.7	0.52
F27	07 May 2019	39	11.20	87.69	5.1	33.67	7.9	25.7	0.52
F27	07 May 2019	40	11.17	87.69	5.1	33.68	7.9	25.7	0.51
F27	07 May 2019	41	11.17	87.73	5.1	33.67	7.9	25.7	0.50
F27	07 May 2019	42	11.11	87.75	5.0	33.68	7.9	25.7	0.50
F27	07 May 2019	43	11.07	87.65	5.0	33.68	7.9	25.7	0.48
F27	07 May 2019	44	11.03	87.50	5.0	33.69	7.9	25.7	0.46
F27	07 May 2019	45	10.92	86.99	5.0	33.70	7.9	25.8	0.43
F27	07 May 2019	46	10.88	86.69	4.9	33.70	7.9	25.8	0.40
F27	07 May 2019	47	10.86	86.46	4.9	33.70	7.9	25.8	0.37
F27	07 May 2019	48	10.82	86.13	4.9	33.70	7.9	25.8	0.37
F27	07 May 2019	49	10.80	85.83	4.9	33.71	7.9	25.8	0.36
F27	07 May 2019	50	10.72	86.51	4.9	33.71	7.9	25.8	0.33
F27	07 May 2019	51	10.66	87.00	4.8	33.72	7.8	25.8	0.31
F27	07 May 2019	52	10.58	87.34	4.8	33.72	7.8	25.9	0.30
F27	07 May 2019	53	10.45	88.40	4.8	33.73	7.8	25.9	0.28
F27	07 May 2019	54	10.38	89.01	4.8	33.73	7.8	25.9	0.25
F27	07 May 2019	55	10.34	89.03	4.7	33.74	7.8	25.9	0.23
F27	07 May 2019	56	10.24	89.05	4.7	33.76	7.8	25.9	0.22
F27	07 May 2019	57	10.26	89.03	4.6	33.76	7.8	25.9	0.21
F27	07 May 2019	58	10.20	89.06	4.6	33.77	7.8	26.0	0.20
F27	07 May 2019	59	10.17	89.10	4.6	33.77	7.8	26.0	0.19
F27	07 May 2019	60	10.11	89.08	4.5	33.78	7.8	26.0	0.19
F27	07 May 2019	61	10.09	89.10	4.5	33.78	7.8	26.0	0.19

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F27	07 May 2019	62	10.05	89.11	4.5	33.79	7.8	26.0	0.19
F27	07 May 2019	63	10.02	89.08	4.4	33.80	7.8	26.0	0.18
F27	07 May 2019	64	10.00	89.11	4.4	33.80	7.8	26.0	0.17
F27	07 May 2019	65	9.98	89.09	4.4	33.81	7.8	26.0	0.17
F27	07 May 2019	66	9.97	89.12	4.3	33.81	7.8	26.0	0.17
F27	07 May 2019	67	9.97	89.11	4.3	33.82	7.8	26.0	0.17
F27	07 May 2019	68	9.97	89.12	4.3	33.82	7.8	26.0	0.17
F27	07 May 2019	69	9.97	89.12	4.3	33.82	7.8	26.0	0.17
F27	07 May 2019	70	9.96	89.13	4.3	33.83	7.8	26.0	0.16
F27	07 May 2019	71	9.96	89.12	4.2	33.83	7.8	26.0	0.16
F27	07 May 2019	72	9.96	89.12	4.3	33.83	7.8	26.0	0.16
F27	07 May 2019	73	9.95	89.10	4.3	33.84	7.8	26.1	0.17
F27	07 May 2019	74	9.94	89.09	4.2	33.84	7.8	26.1	0.16
F27	07 May 2019	75	9.93	89.12	4.2	33.85	7.8	26.1	0.16
F27	07 May 2019	76	9.93	89.10	4.2	33.85	7.8	26.1	0.16
F27	07 May 2019	77	9.94	89.09	4.1	33.87	7.8	26.1	0.18
F27	07 May 2019	78	9.94	89.08	4.0	33.87	7.8	26.1	0.19
F27	07 May 2019	79	9.94	89.07	4.0	33.87	7.8	26.1	0.16
F27	07 May 2019	80	9.94	89.07	4.0	33.88	7.8	26.1	0.17
F27	07 May 2019	81	9.93	89.04	4.0	33.89	7.8	26.1	0.16
F27	07 May 2019	82	9.89	89.07	3.9	33.91	7.8	26.1	0.16
F27	07 May 2019	83	9.87	89.05	3.8	33.92	7.8	26.1	0.16
F27	07 May 2019	84	9.84	88.99	3.8	33.93	7.8	26.1	0.16
F27	07 May 2019	85	9.84	88.99	3.8	33.93	7.8	26.1	0.16
F27	07 May 2019	86	9.83	88.98	3.7	33.94	7.8	26.1	0.16
F27	07 May 2019	87	9.82	88.97	3.7	33.94	7.8	26.2	0.16
F27	07 May 2019	88	9.81	88.97	3.7	33.94	7.7	26.2	0.16
F27	07 May 2019	89	9.78	88.87	3.6	33.96	7.7	26.2	0.16
F27	07 May 2019	90	9.77	88.71	3.6	33.96	7.7	26.2	0.16
F27	07 May 2019	91	9.76	88.63	3.6	33.97	7.7	26.2	0.16
F27	07 May 2019	92	9.75	88.59	3.5	33.97	7.7	26.2	0.16
F27	07 May 2019	93	9.75	88.56	3.5	33.97	7.7	26.2	0.16
F27	07 May 2019	94	9.75	88.60	3.5	33.97	7.7	26.2	0.16
F27	07 May 2019	95	9.74	88.65	3.5	33.97	7.7	26.2	0.16
F27	07 May 2019	96	9.71	88.67	3.4	33.99	7.7	26.2	0.16
F27	07 May 2019	97	9.70	88.54	3.4	34.00	7.7	26.2	0.16
F27	07 May 2019	98	9.69	88.50	3.4	34.00	7.7	26.2	0.16
F27	07 May 2019	99	9.68	88.22	3.3	34.00	7.7	26.2	0.16
F27	07 May 2019	100	9.65	87.30	3.3	34.01	7.7	26.2	0.16
F28	07 May 2019	1	18.13	77.56	8.3	33.66	8.2	24.2	0.45
F28	07 May 2019	2	18.11	82.27	8.3	33.66	8.2	24.2	0.45
F28	07 May 2019	3	18.04	84.42	8.3	33.66	8.2	24.2	0.50
F28	07 May 2019	4	17.92	84.29	8.3	33.66	8.2	24.3	0.57
F28	07 May 2019	5	17.73	84.01	8.2	33.66	8.2	24.3	0.68
F28	07 May 2019	6	17.66	83.70	8.3	33.66	8.2	24.3	0.77
F28	07 May 2019	7	17.42	83.54	8.5	33.64	8.2	24.4	0.82
F28	07 May 2019	8	17.37	83.49	8.6	33.64	8.2	24.4	0.86
F28	07 May 2019	9	17.34	83.47	8.7	33.64	8.2	24.4	0.89
F28	07 May 2019	10	16.31	82.40	9.7	33.69	8.3	24.7	0.91
F28	07 May 2019	11	15.94	80.70	10.1	33.66	8.3	24.7	0.96
F28	07 May 2019	12	14.99	80.50	10.0	33.64	8.3	24.9	0.99
F28	07 May 2019	13	14.79	80.15	10.0	33.61	8.2	24.9	1.09
F28	07 May 2019	14	14.43	79.66	9.7	33.60	8.2	25.0	1.34
F28	07 May 2019	15	14.33	79.01	9.6	33.59	8.2	25.0	1.68
F28	07 May 2019	16	14.19	78.62	9.2	33.59	8.2	25.1	2.09
F28	07 May 2019	17	13.70	78.20	8.6	33.62	8.2	25.2	2.68
F28	07 May 2019	18	13.45	78.15	8.1	33.60	8.1	25.2	3.29
F28	07 May 2019	19	13.15	78.31	7.7	33.62	8.1	25.3	3.46
F28	07 May 2019	20	13.01	79.26	7.3	33.62	8.1	25.3	3.43
F28	07 May 2019	21	12.81	80.59	7.0	33.62	8.1	25.4	3.11

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F28	07 May 2019	22	12.60	81.24	6.6	33.63	8.0	25.4	2.80
F28	07 May 2019	23	12.55	81.99	6.5	33.62	8.0	25.4	2.55
F28	07 May 2019	24	12.43	82.45	6.3	33.63	8.0	25.4	2.40
F28	07 May 2019	25	12.40	82.79	6.0	33.62	8.0	25.4	2.22
F28	07 May 2019	26	12.10	84.30	5.7	33.65	8.0	25.5	1.83
F28	07 May 2019	27	12.08	85.59	5.5	33.64	7.9	25.5	1.46
F28	07 May 2019	28	11.89	86.05	5.4	33.65	7.9	25.6	1.27
F28	07 May 2019	29	11.86	86.53	5.3	33.64	7.9	25.6	1.03
F28	07 May 2019	30	11.77	86.82	5.3	33.64	7.9	25.6	0.92
F28	07 May 2019	31	11.74	87.00	5.3	33.65	7.9	25.6	0.93
F28	07 May 2019	32	11.68	87.09	5.3	33.65	7.9	25.6	0.81
F28	07 May 2019	33	11.68	86.69	5.3	33.65	7.9	25.6	0.78
F28	07 May 2019	34	11.65	86.36	5.2	33.65	7.9	25.6	0.80
F28	07 May 2019	35	11.65	86.23	5.3	33.65	7.9	25.6	0.85
F28	07 May 2019	36	11.64	86.17	5.2	33.65	7.9	25.6	0.84
F28	07 May 2019	37	11.63	86.02	5.2	33.65	7.9	25.6	0.85
F28	07 May 2019	38	11.61	85.94	5.2	33.65	7.9	25.6	0.85
F28	07 May 2019	39	11.53	85.95	5.2	33.66	7.9	25.6	0.81
F28	07 May 2019	40	11.44	86.19	5.1	33.66	7.9	25.7	0.80
F28	07 May 2019	41	11.36	86.30	5.1	33.67	7.9	25.7	0.71
F28	07 May 2019	42	11.33	86.46	5.0	33.67	7.9	25.7	0.67
F28	07 May 2019	43	11.23	86.73	5.0	33.68	7.9	25.7	0.61
F28	07 May 2019	44	11.21	86.80	5.0	33.67	7.9	25.7	0.57
F28	07 May 2019	45	11.18	86.69	5.0	33.68	7.9	25.7	0.56
F28	07 May 2019	46	11.12	86.46	5.0	33.68	7.9	25.7	0.55
F28	07 May 2019	47	11.11	86.39	5.0	33.68	7.9	25.7	0.51
F28	07 May 2019	48	11.01	86.20	4.9	33.69	7.9	25.8	0.49
F28	07 May 2019	49	10.98	86.32	4.9	33.69	7.9	25.8	0.46
F28	07 May 2019	50	10.93	86.29	4.8	33.70	7.8	25.8	0.44
F28	07 May 2019	51	10.82	86.25	4.8	33.70	7.8	25.8	0.41
F28	07 May 2019	52	10.77	86.36	4.7	33.70	7.8	25.8	0.37
F28	07 May 2019	53	10.65	86.38	4.7	33.72	7.8	25.8	0.34
F28	07 May 2019	54	10.57	86.83	4.7	33.73	7.8	25.9	0.32
F28	07 May 2019	55	10.50	87.19	4.7	33.73	7.8	25.9	0.29
F28	07 May 2019	56	10.38	87.61	4.7	33.74	7.8	25.9	0.26
F28	07 May 2019	57	10.35	87.74	4.6	33.74	7.8	25.9	0.25
F28	07 May 2019	58	10.33	88.08	4.6	33.75	7.8	25.9	0.24
F28	07 May 2019	59	10.22	88.17	4.6	33.77	7.8	26.0	0.22
F28	07 May 2019	60	10.16	88.64	4.5	33.77	7.8	26.0	0.21
F28	07 May 2019	61	10.12	88.96	4.5	33.79	7.8	26.0	0.20
F28	07 May 2019	62	10.06	89.10	4.5	33.79	7.8	26.0	0.19
F28	07 May 2019	63	10.05	89.09	4.4	33.80	7.8	26.0	0.18
F28	07 May 2019	64	10.04	89.12	4.4	33.80	7.8	26.0	0.18
F28	07 May 2019	65	10.02	89.12	4.4	33.80	7.8	26.0	0.18
F28	07 May 2019	66	10.01	89.12	4.4	33.80	7.8	26.0	0.18
F28	07 May 2019	67	10.01	89.12	4.4	33.81	7.8	26.0	0.17
F28	07 May 2019	68	10.00	89.12	4.4	33.81	7.8	26.0	0.17
F28	07 May 2019	69	9.98	89.06	4.3	33.82	7.8	26.0	0.17
F28	07 May 2019	70	9.95	88.97	4.2	33.84	7.8	26.1	0.17
F28	07 May 2019	71	9.94	89.08	4.2	33.85	7.8	26.1	0.17
F28	07 May 2019	72	9.90	89.11	4.1	33.87	7.8	26.1	0.17
F28	07 May 2019	73	9.89	89.11	4.0	33.87	7.8	26.1	0.16
F28	07 May 2019	74	9.89	89.12	4.0	33.87	7.8	26.1	0.16
F28	07 May 2019	75	9.85	89.14	4.0	33.88	7.8	26.1	0.16
F28	07 May 2019	76	9.84	89.14	4.0	33.88	7.8	26.1	0.16
F28	07 May 2019	77	9.81	89.14	4.0	33.89	7.8	26.1	0.16
F28	07 May 2019	78	9.79	89.15	4.0	33.90	7.8	26.1	0.16
F28	07 May 2019	79	9.78	89.15	3.9	33.90	7.8	26.1	0.16
F28	07 May 2019	80	9.78	89.15	3.9	33.90	7.8	26.1	0.16
F28	07 May 2019	81	9.78	89.15	3.9	33.90	7.8	26.1	0.16
F28	07 May 2019	82	9.77	89.14	3.9	33.91	7.8	26.1	0.16

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F28	07 May 2019	83	9.77	89.12	3.8	33.91	7.8	26.1	0.16
F28	07 May 2019	84	9.77	89.15	3.8	33.92	7.8	26.1	0.16
F28	07 May 2019	85	9.77	89.15	3.8	33.92	7.8	26.2	0.17
F28	07 May 2019	86	9.77	89.08	3.7	33.95	7.7	26.2	0.16
F28	07 May 2019	87	9.77	89.03	3.7	33.95	7.7	26.2	0.16
F28	07 May 2019	88	9.76	88.98	3.6	33.96	7.7	26.2	0.16
F28	07 May 2019	89	9.75	88.92	3.6	33.96	7.7	26.2	0.16
F28	07 May 2019	90	9.74	88.77	3.5	33.96	7.7	26.2	0.17
F28	07 May 2019	91	9.72	88.64	3.5	33.98	7.7	26.2	0.18
F28	07 May 2019	92	9.72	88.50	3.5	33.98	7.7	26.2	0.17
F28	07 May 2019	93	9.71	88.48	3.5	33.98	7.7	26.2	0.16
F28	07 May 2019	94	9.72	88.52	3.5	33.98	7.7	26.2	0.16
F28	07 May 2019	95	9.71	88.48	3.4	33.99	7.7	26.2	0.16
F28	07 May 2019	96	9.70	88.43	3.4	33.99	7.7	26.2	0.16
F28	07 May 2019	97	9.68	87.80	3.3	34.00	7.7	26.2	0.16
F28	07 May 2019	98	9.66	87.54	3.2	34.01	7.7	26.2	0.16
F28	07 May 2019	99	9.62	86.90	3.1	34.03	7.7	26.3	0.16
F28	07 May 2019	100	9.60	85.87	3.1	34.04	7.7	26.3	0.16
F28	07 May 2019	101	9.60	85.70	3.1	34.04	7.7	26.3	0.16
F29	07 May 2019	1	17.47	82.76	8.4	33.65	8.2	24.4	0.62
F29	07 May 2019	2	17.48	82.89	8.4	33.65	8.2	24.4	0.60
F29	07 May 2019	3	17.46	82.90	8.3	33.65	8.2	24.4	0.66
F29	07 May 2019	4	17.42	82.65	8.3	33.65	8.2	24.4	0.76
F29	07 May 2019	5	17.41	82.73	8.4	33.65	8.2	24.4	0.85
F29	07 May 2019	6	17.30	82.35	8.3	33.66	8.2	24.4	0.97
F29	07 May 2019	7	17.23	82.16	8.4	33.65	8.2	24.4	1.11
F29	07 May 2019	8	17.16	82.02	8.4	33.65	8.2	24.4	1.25
F29	07 May 2019	9	16.89	81.64	8.3	33.67	8.2	24.5	1.45
F29	07 May 2019	10	15.83	81.44	8.8	33.68	8.2	24.8	1.53
F29	07 May 2019	11	15.03	80.76	9.2	33.62	8.2	24.9	1.51
F29	07 May 2019	12	14.80	79.27	8.9	33.63	8.2	25.0	1.65
F29	07 May 2019	13	14.08	78.89	8.9	33.60	8.2	25.1	2.01
F29	07 May 2019	14	13.84	78.47	8.6	33.60	8.2	25.1	2.49
F29	07 May 2019	15	13.34	78.33	7.8	33.62	8.1	25.3	2.85
F29	07 May 2019	16	12.93	79.11	7.3	33.62	8.1	25.3	2.72
F29	07 May 2019	17	12.72	80.63	6.9	33.62	8.1	25.4	2.51
F29	07 May 2019	18	12.51	82.07	6.6	33.63	8.0	25.4	2.29
F29	07 May 2019	19	12.35	82.71	6.4	33.63	8.0	25.5	2.02
F29	07 May 2019	20	12.28	83.10	6.3	33.63	8.0	25.5	1.91
F29	07 May 2019	21	12.31	83.01	6.3	33.62	8.0	25.5	1.88
F29	07 May 2019	22	12.25	83.30	6.2	33.64	8.0	25.5	1.91
F29	07 May 2019	23	12.17	83.92	6.1	33.64	8.0	25.5	1.72
F29	07 May 2019	24	12.13	84.19	6.0	33.64	8.0	25.5	1.62
F29	07 May 2019	25	11.99	85.06	5.9	33.65	8.0	25.5	1.42
F29	07 May 2019	26	11.86	85.47	5.7	33.66	8.0	25.6	1.26
F29	07 May 2019	27	11.70	85.94	5.5	33.66	7.9	25.6	1.13
F29	07 May 2019	28	11.54	86.28	5.4	33.67	7.9	25.6	0.96
F29	07 May 2019	29	11.41	86.49	5.3	33.67	7.9	25.7	0.91
F29	07 May 2019	30	11.32	86.35	5.3	33.67	7.9	25.7	0.78
F29	07 May 2019	31	11.26	86.83	5.2	33.67	7.9	25.7	0.72
F29	07 May 2019	32	11.13	86.99	5.2	33.68	7.9	25.7	0.64
F29	07 May 2019	33	11.07	86.89	5.2	33.68	7.9	25.7	0.58
F29	07 May 2019	34	11.07	87.04	5.1	33.69	7.9	25.7	0.56
F29	07 May 2019	35	10.96	87.11	5.1	33.69	7.9	25.8	0.52
F29	07 May 2019	36	10.94	87.18	5.1	33.69	7.9	25.8	0.49
F29	07 May 2019	37	10.84	87.20	5.0	33.70	7.9	25.8	0.46
F29	07 May 2019	38	10.79	87.28	5.0	33.70	7.9	25.8	0.44
F29	07 May 2019	39	10.82	87.25	5.0	33.69	7.9	25.8	0.42
F29	07 May 2019	40	10.76	87.22	4.9	33.70	7.9	25.8	0.41
F29	07 May 2019	41	10.73	87.21	4.9	33.70	7.9	25.8	0.38

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F29	07 May 2019	42	10.68	87.29	4.9	33.71	7.9	25.8	0.37
F29	07 May 2019	43	10.66	87.30	4.9	33.71	7.9	25.8	0.35
F29	07 May 2019	44	10.61	87.26	4.9	33.71	7.8	25.8	0.33
F29	07 May 2019	45	10.59	87.29	4.8	33.71	7.8	25.8	0.32
F29	07 May 2019	46	10.55	87.34	4.7	33.73	7.8	25.9	0.30
F29	07 May 2019	47	10.48	87.32	4.7	33.73	7.8	25.9	0.28
F29	07 May 2019	48	10.46	87.31	4.7	33.73	7.8	25.9	0.27
F29	07 May 2019	49	10.45	87.31	4.6	33.74	7.8	25.9	0.26
F29	07 May 2019	50	10.45	87.32	4.6	33.74	7.8	25.9	0.26
F29	07 May 2019	51	10.41	87.32	4.6	33.75	7.8	25.9	0.26
F29	07 May 2019	52	10.33	87.37	4.6	33.77	7.8	25.9	0.26
F29	07 May 2019	53	10.35	87.37	4.5	33.76	7.8	25.9	0.24
F29	07 May 2019	54	10.31	87.24	4.5	33.77	7.8	25.9	0.24
F29	07 May 2019	55	10.28	87.21	4.5	33.78	7.8	25.9	0.23
F29	07 May 2019	56	10.27	87.20	4.4	33.78	7.8	26.0	0.24
F29	07 May 2019	57	10.25	87.10	4.4	33.79	7.8	26.0	0.22
F29	07 May 2019	58	10.21	86.93	4.3	33.80	7.8	26.0	0.22
F29	07 May 2019	59	10.17	87.20	4.3	33.81	7.8	26.0	0.21
F29	07 May 2019	60	10.17	87.18	4.3	33.81	7.8	26.0	0.20
F29	07 May 2019	61	10.15	87.16	4.2	33.82	7.8	26.0	0.21
F29	07 May 2019	62	10.12	87.23	4.2	33.83	7.8	26.0	0.20
F29	07 May 2019	63	10.09	87.33	4.2	33.83	7.8	26.0	0.19
F29	07 May 2019	64	10.07	87.52	4.2	33.84	7.8	26.0	0.19
F29	07 May 2019	65	10.07	87.54	4.2	33.84	7.8	26.0	0.18
F29	07 May 2019	66	10.06	87.64	4.1	33.84	7.8	26.0	0.18
F29	07 May 2019	67	10.04	87.81	4.1	33.84	7.8	26.0	0.18
F29	07 May 2019	68	10.03	87.75	4.1	33.85	7.8	26.0	0.17
F29	07 May 2019	69	10.02	87.94	4.1	33.85	7.8	26.1	0.18
F29	07 May 2019	70	10.01	88.04	4.1	33.85	7.8	26.1	0.17
F29	07 May 2019	71	9.99	88.05	4.0	33.86	7.8	26.1	0.17
F29	07 May 2019	72	9.98	88.12	4.0	33.86	7.8	26.1	0.18
F29	07 May 2019	73	9.98	88.14	4.0	33.86	7.8	26.1	0.17
F29	07 May 2019	74	9.97	88.22	4.0	33.86	7.8	26.1	0.17
F29	07 May 2019	75	9.96	88.29	4.0	33.87	7.8	26.1	0.17
F29	07 May 2019	76	9.95	88.36	4.0	33.87	7.8	26.1	0.17
F29	07 May 2019	77	9.90	88.57	3.9	33.89	7.8	26.1	0.16
F29	07 May 2019	78	9.89	88.66	3.9	33.90	7.8	26.1	0.16
F29	07 May 2019	79	9.87	88.67	3.9	33.90	7.8	26.1	0.16
F29	07 May 2019	80	9.86	88.71	3.8	33.91	7.8	26.1	0.17
F29	07 May 2019	81	9.85	88.76	3.8	33.91	7.8	26.1	0.16
F29	07 May 2019	82	9.85	88.84	3.8	33.91	7.8	26.1	0.16
F29	07 May 2019	83	9.83	88.80	3.8	33.91	7.8	26.1	0.15
F29	07 May 2019	84	9.81	88.87	3.8	33.91	7.8	26.1	0.16
F29	07 May 2019	85	9.78	88.93	3.8	33.92	7.8	26.1	0.16
F29	07 May 2019	86	9.67	89.01	3.8	33.93	7.7	26.2	0.16
F29	07 May 2019	87	9.66	89.11	3.7	33.93	7.7	26.2	0.16
F29	07 May 2019	88	9.67	89.10	3.7	33.94	7.7	26.2	0.15
F29	07 May 2019	89	9.69	89.05	3.7	33.95	7.7	26.2	0.15
F29	07 May 2019	90	9.71	89.00	3.6	33.96	7.7	26.2	0.16
F29	07 May 2019	91	9.72	88.57	3.5	33.98	7.7	26.2	0.16
F29	07 May 2019	92	9.71	88.43	3.5	33.98	7.7	26.2	0.16
F29	07 May 2019	93	9.71	88.26	3.4	33.98	7.7	26.2	0.16
F29	07 May 2019	94	9.70	87.99	3.4	33.99	7.7	26.2	0.16
F29	07 May 2019	95	9.70	88.13	3.4	33.99	7.7	26.2	0.16
F29	07 May 2019	96	9.69	88.11	3.4	34.00	7.7	26.2	0.16
F29	07 May 2019	97	9.70	87.90	3.4	34.00	7.7	26.2	0.16
F29	07 May 2019	98	9.68	87.15	3.3	34.01	7.7	26.2	0.16
F29	07 May 2019	99	9.68	86.80	3.3	34.01	7.7	26.2	0.16
F30	07 May 2019	1	17.45	82.26	8.3	33.63	8.2	24.4	0.57
F30	07 May 2019	2	17.44	82.16	8.3	33.63	8.2	24.4	0.59

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F30	07 May 2019	3	17.43	82.24	8.2	33.64	8.2	24.4	0.63
F30	07 May 2019	4	17.28	81.95	8.2	33.65	8.2	24.4	0.73
F30	07 May 2019	5	17.12	81.49	8.3	33.64	8.2	24.4	0.83
F30	07 May 2019	6	16.98	81.32	8.3	33.64	8.2	24.5	0.97
F30	07 May 2019	7	16.90	81.03	8.2	33.64	8.2	24.5	1.15
F30	07 May 2019	8	16.41	80.09	8.2	33.66	8.2	24.6	1.54
F30	07 May 2019	9	15.76	78.46	8.0	33.69	8.2	24.8	2.12
F30	07 May 2019	10	14.66	77.65	8.0	33.58	8.1	25.0	2.57
F30	07 May 2019	11	14.23	77.94	7.9	33.70	8.1	25.1	2.53
F30	07 May 2019	12	13.80	78.24	7.8	33.62	8.1	25.2	2.51
F30	07 May 2019	13	13.57	78.56	7.6	33.60	8.1	25.2	2.53
F30	07 May 2019	14	13.24	79.30	7.4	33.62	8.1	25.3	2.58
F30	07 May 2019	15	13.13	79.69	7.3	33.60	8.1	25.3	2.70
F30	07 May 2019	16	13.07	79.94	7.0	33.62	8.1	25.3	2.69
F30	07 May 2019	17	12.64	80.81	6.7	33.64	8.0	25.4	2.51
F30	07 May 2019	18	12.45	82.10	6.4	33.63	8.0	25.4	2.16
F30	07 May 2019	19	12.28	83.56	6.2	33.62	8.0	25.5	1.99
F30	07 May 2019	20	12.27	83.82	6.1	33.62	8.0	25.5	1.88
F30	07 May 2019	21	12.18	84.23	6.0	33.63	8.0	25.5	1.78
F30	07 May 2019	22	12.14	84.66	6.0	33.63	8.0	25.5	1.63
F30	07 May 2019	23	12.06	84.96	5.8	33.64	8.0	25.5	1.50
F30	07 May 2019	24	11.98	85.07	5.7	33.65	8.0	25.5	1.45
F30	07 May 2019	25	11.68	85.47	5.5	33.67	7.9	25.6	1.25
F30	07 May 2019	26	11.58	85.86	5.4	33.66	7.9	25.6	1.06
F30	07 May 2019	27	11.53	86.09	5.4	33.66	7.9	25.6	0.95
F30	07 May 2019	28	11.53	86.16	5.4	33.66	7.9	25.6	0.92
F30	07 May 2019	29	11.45	86.23	5.3	33.67	7.9	25.7	0.89
F30	07 May 2019	30	11.35	86.25	5.3	33.67	7.9	25.7	0.79
F30	07 May 2019	31	11.32	86.46	5.2	33.67	7.9	25.7	0.73
F30	07 May 2019	32	11.29	86.47	5.2	33.67	7.9	25.7	0.70
F30	07 May 2019	33	11.26	86.58	5.2	33.67	7.9	25.7	0.65
F30	07 May 2019	34	11.24	86.59	5.2	33.68	7.9	25.7	0.64
F30	07 May 2019	35	11.14	86.58	5.1	33.68	7.9	25.7	0.61
F30	07 May 2019	36	11.13	86.62	5.1	33.68	7.9	25.7	0.59
F30	07 May 2019	37	11.12	86.64	5.1	33.68	7.9	25.7	0.56
F30	07 May 2019	38	11.04	86.10	5.0	33.69	7.9	25.8	0.56
F30	07 May 2019	39	10.97	86.69	5.0	33.69	7.9	25.8	0.51
F30	07 May 2019	40	10.89	86.83	4.9	33.70	7.9	25.8	0.46
F30	07 May 2019	41	10.87	86.96	4.9	33.69	7.9	25.8	0.42
F30	07 May 2019	42	10.79	86.96	4.9	33.71	7.9	25.8	0.40
F30	07 May 2019	43	10.57	87.09	4.8	33.73	7.8	25.9	0.36
F30	07 May 2019	44	10.51	87.28	4.7	33.73	7.8	25.9	0.32
F30	07 May 2019	45	10.54	87.32	4.7	33.72	7.8	25.9	0.30
F30	07 May 2019	46	10.43	87.40	4.7	33.74	7.8	25.9	0.28
F30	07 May 2019	47	10.41	87.38	4.6	33.74	7.8	25.9	0.28
F30	07 May 2019	48	10.38	87.40	4.6	33.75	7.8	25.9	0.25
F30	07 May 2019	49	10.38	87.41	4.6	33.75	7.8	25.9	0.24
F30	07 May 2019	50	10.33	87.51	4.6	33.76	7.8	25.9	0.23
F30	07 May 2019	51	10.32	87.62	4.6	33.76	7.8	25.9	0.23
F30	07 May 2019	52	10.32	87.63	4.5	33.76	7.8	25.9	0.23
F30	07 May 2019	53	10.27	87.69	4.5	33.77	7.8	25.9	0.23
F30	07 May 2019	54	10.24	87.63	4.4	33.78	7.8	26.0	0.21
F30	07 May 2019	55	10.23	87.65	4.4	33.78	7.8	26.0	0.21
F30	07 May 2019	56	10.03	87.64	4.1	33.82	7.8	26.0	0.20
F30	07 May 2019	57	9.78	85.79	3.7	33.80	7.7	26.1	0.18
F30	07 May 2019	58	9.78	85.03	3.5	33.80	7.7	26.1	0.17
F30	07 May 2019	59	9.78	84.86	3.5	33.80	7.7	26.1	0.17
F30	07 May 2019	60	9.78	84.83	3.5	33.80	7.7	26.1	0.17
F30	07 May 2019	61	9.79	84.83	3.5	33.80	7.7	26.1	0.17
F30	07 May 2019	62	9.81	85.04	3.5	33.80	7.7	26.0	0.17
F30	07 May 2019	63	9.77	84.99	3.5	33.80	7.7	26.1	0.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F30	07 May 2019	64	9.78	84.97	3.5	33.80	7.7	26.1	0.16
F30	07 May 2019	65	9.75	84.91	3.5	33.81	7.7	26.1	0.16
F30	07 May 2019	66	9.76	84.89	3.5	33.81	7.7	26.1	0.17
F30	07 May 2019	67	9.75	84.86	3.5	33.81	7.7	26.1	0.16
F30	07 May 2019	68	9.76	85.01	3.5	33.81	7.7	26.1	0.17
F30	07 May 2019	69	9.75	85.10	3.5	33.81	7.7	26.1	0.16
F30	07 May 2019	70	9.75	85.11	3.5	33.81	7.7	26.1	0.16
F30	07 May 2019	71	9.74	85.15	3.5	33.82	7.7	26.1	0.17
F30	07 May 2019	72	9.74	85.19	3.5	33.82	7.7	26.1	0.17
F30	07 May 2019	73	9.74	85.53	3.5	33.84	7.7	26.1	0.16
F30	07 May 2019	74	9.74	85.75	3.5	33.84	7.7	26.1	0.17
F30	07 May 2019	75	9.74	85.64	3.5	33.84	7.7	26.1	0.16
F30	07 May 2019	76	9.75	85.46	3.5	33.83	7.7	26.1	0.16
F30	07 May 2019	77	9.75	85.50	3.5	33.84	7.7	26.1	0.20
F30	07 May 2019	78	9.74	85.71	3.5	33.85	7.7	26.1	0.16
F30	07 May 2019	79	9.74	85.54	3.5	33.85	7.7	26.1	0.16
F30	07 May 2019	80	9.74	85.57	3.5	33.86	7.7	26.1	0.16
F30	07 May 2019	81	9.75	85.72	3.5	33.85	7.7	26.1	0.16
F30	07 May 2019	82	9.74	85.83	3.5	33.87	7.7	26.1	0.16
F30	07 May 2019	83	9.73	86.00	3.5	33.88	7.7	26.1	0.16
F30	07 May 2019	84	9.73	86.23	3.5	33.87	7.7	26.1	0.16
F30	07 May 2019	85	9.74	86.10	3.5	33.87	7.7	26.1	0.16
F30	07 May 2019	86	9.73	86.11	3.5	33.87	7.7	26.1	0.16
F30	07 May 2019	87	9.72	86.19	3.5	33.89	7.7	26.1	0.16
F30	07 May 2019	88	9.72	86.38	3.5	33.89	7.7	26.1	0.15
F30	07 May 2019	89	9.71	86.62	3.5	33.89	7.7	26.1	0.16
F30	07 May 2019	90	9.71	86.71	3.5	33.89	7.7	26.1	0.16
F30	07 May 2019	91	9.71	86.78	3.5	33.90	7.7	26.1	0.16
F30	07 May 2019	92	9.66	87.07	3.5	33.94	7.7	26.2	0.15
F30	07 May 2019	93	9.65	88.08	3.4	33.99	7.7	26.2	0.15
F30	07 May 2019	94	9.65	88.42	3.4	33.99	7.7	26.2	0.15
F30	07 May 2019	95	9.64	88.34	3.3	34.02	7.7	26.2	0.15
F30	07 May 2019	96	9.64	88.24	3.2	34.02	7.7	26.2	0.15
F30	07 May 2019	97	9.62	88.18	3.2	34.02	7.7	26.3	0.16
F30	07 May 2019	98	9.61	88.05	3.2	34.03	7.7	26.3	0.15
F31	07 May 2019	1	17.28	80.07	8.3	33.63	8.2	24.4	0.55
F31	07 May 2019	2	17.25	82.07	8.2	33.64	8.2	24.4	0.58
F31	07 May 2019	3	17.19	82.15	8.2	33.64	8.2	24.4	0.66
F31	07 May 2019	4	17.11	81.81	8.2	33.64	8.2	24.4	0.72
F31	07 May 2019	5	16.92	81.29	8.2	33.65	8.2	24.5	0.92
F31	07 May 2019	6	16.69	80.20	8.3	33.65	8.2	24.5	1.19
F31	07 May 2019	7	16.58	79.15	8.3	33.63	8.2	24.6	1.61
F31	07 May 2019	8	16.37	78.52	8.0	33.66	8.2	24.6	2.23
F31	07 May 2019	9	15.47	77.48	7.7	33.69	8.2	24.9	2.68
F31	07 May 2019	10	14.58	76.63	7.7	33.67	8.2	25.0	2.96
F31	07 May 2019	11	13.91	77.64	7.5	33.63	8.1	25.1	2.93
F31	07 May 2019	12	13.15	80.37	7.1	33.69	8.1	25.3	2.57
F31	07 May 2019	13	12.67	81.79	6.8	33.62	8.0	25.4	2.19
F31	07 May 2019	14	12.55	82.32	6.6	33.62	8.0	25.4	2.00
F31	07 May 2019	15	12.46	82.86	6.4	33.62	8.0	25.4	1.94
F31	07 May 2019	16	12.43	83.11	6.4	33.62	8.0	25.4	1.85
F31	07 May 2019	17	12.31	83.54	6.2	33.63	8.0	25.5	1.78
F31	07 May 2019	18	12.28	83.75	6.2	33.62	8.0	25.5	1.74
F31	07 May 2019	19	12.17	83.95	6.0	33.63	8.0	25.5	1.69
F31	07 May 2019	20	12.16	84.02	6.0	33.63	8.0	25.5	1.66
F31	07 May 2019	21	12.08	84.35	5.9	33.65	8.0	25.5	1.58
F31	07 May 2019	22	11.99	84.63	5.8	33.65	8.0	25.5	1.54
F31	07 May 2019	23	11.97	84.92	5.7	33.65	8.0	25.5	1.40
F31	07 May 2019	24	11.87	84.93	5.6	33.66	8.0	25.6	1.29
F31	07 May 2019	25	11.65	85.42	5.5	33.67	7.9	25.6	1.20

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F31	07 May 2019	26	11.63	85.67	5.4	33.66	7.9	25.6	0.96
F31	07 May 2019	27	11.56	85.68	5.3	33.66	7.9	25.6	0.98
F31	07 May 2019	28	11.54	85.82	5.3	33.66	7.9	25.6	0.86
F31	07 May 2019	29	11.49	85.78	5.3	33.67	7.9	25.6	0.86
F31	07 May 2019	30	11.47	85.87	5.2	33.67	7.9	25.7	0.82
F31	07 May 2019	31	11.40	85.89	5.2	33.67	7.9	25.7	0.76
F31	07 May 2019	32	11.38	85.94	5.2	33.67	7.9	25.7	0.74
F31	07 May 2019	33	11.30	86.04	5.1	33.68	7.9	25.7	0.70
F31	07 May 2019	34	11.24	86.21	5.1	33.68	7.9	25.7	0.65
F31	07 May 2019	35	11.26	86.22	5.1	33.68	7.9	25.7	0.66
F31	07 May 2019	36	11.21	86.26	5.1	33.68	7.9	25.7	0.61
F31	07 May 2019	37	11.19	86.21	5.1	33.68	7.9	25.7	0.59
F31	07 May 2019	38	11.16	86.36	5.0	33.68	7.9	25.7	0.57
F31	07 May 2019	39	11.07	86.44	5.0	33.69	7.9	25.7	0.53
F31	07 May 2019	40	10.99	86.71	5.0	33.69	7.9	25.8	0.48
F31	07 May 2019	41	10.89	86.78	5.0	33.70	7.9	25.8	0.45
F31	07 May 2019	42	10.71	87.07	4.9	33.72	7.9	25.8	0.38
F31	07 May 2019	43	10.67	87.16	4.8	33.71	7.8	25.8	0.34
F31	07 May 2019	44	10.69	87.18	4.9	33.70	7.8	25.8	0.33
F31	07 May 2019	45	10.66	87.28	4.9	33.71	7.8	25.8	0.32
F31	07 May 2019	46	10.64	87.26	4.9	33.71	7.8	25.8	0.31
F31	07 May 2019	47	10.61	87.27	4.8	33.71	7.8	25.8	0.30
F31	07 May 2019	48	10.61	87.21	4.8	33.71	7.8	25.8	0.30
F31	07 May 2019	49	10.60	87.05	4.8	33.72	7.8	25.8	0.29
F31	07 May 2019	50	10.59	87.04	4.8	33.72	7.8	25.9	0.30
F31	07 May 2019	51	10.55	87.00	4.7	33.73	7.8	25.9	0.29
F31	07 May 2019	52	10.53	87.02	4.7	33.73	7.8	25.9	0.28
F31	07 May 2019	53	10.52	87.09	4.7	33.73	7.8	25.9	0.27
F31	07 May 2019	54	10.49	87.10	4.7	33.73	7.8	25.9	0.27
F31	07 May 2019	55	10.45	87.25	4.6	33.74	7.8	25.9	0.26
F31	07 May 2019	56	10.44	87.37	4.6	33.74	7.8	25.9	0.25
F31	07 May 2019	57	10.41	87.32	4.6	33.74	7.8	25.9	0.24
F31	07 May 2019	58	10.40	87.40	4.6	33.74	7.8	25.9	0.24
F31	07 May 2019	59	10.37	87.49	4.6	33.75	7.8	25.9	0.23
F31	07 May 2019	60	10.31	87.59	4.5	33.76	7.8	25.9	0.23
F31	07 May 2019	61	10.29	87.65	4.5	33.76	7.8	25.9	0.23
F31	07 May 2019	62	10.28	87.72	4.5	33.76	7.8	25.9	0.21
F31	07 May 2019	63	10.27	87.74	4.5	33.77	7.8	25.9	0.20
F31	07 May 2019	64	10.25	87.74	4.5	33.77	7.8	26.0	0.20
F31	07 May 2019	65	10.22	87.77	4.4	33.78	7.8	26.0	0.19
F31	07 May 2019	66	10.22	87.75	4.4	33.78	7.8	26.0	0.20
F31	07 May 2019	67	10.20	87.73	4.4	33.79	7.8	26.0	0.21
F31	07 May 2019	68	10.19	87.78	4.4	33.79	7.8	26.0	0.20
F31	07 May 2019	69	10.15	87.53	4.3	33.79	7.8	26.0	0.18
F31	07 May 2019	70	10.13	87.23	4.2	33.79	7.8	26.0	0.18
F31	07 May 2019	71	10.06	86.87	4.2	33.80	7.8	26.0	0.17
F31	07 May 2019	72	10.03	86.82	4.1	33.80	7.8	26.0	0.17
F31	07 May 2019	73	10.07	88.03	4.2	33.82	7.8	26.0	0.17
F31	07 May 2019	74	10.07	88.21	4.2	33.82	7.8	26.0	0.16
F31	07 May 2019	75	10.06	88.18	4.2	33.83	7.8	26.0	0.16
F31	07 May 2019	76	10.05	88.26	4.2	33.83	7.8	26.0	0.18
F31	07 May 2019	77	10.05	88.20	4.2	33.83	7.8	26.0	0.17
F31	07 May 2019	78	10.03	87.78	4.1	33.83	7.8	26.0	0.16
F31	07 May 2019	79	9.92	85.86	3.9	33.83	7.8	26.1	0.16
F31	07 May 2019	80	9.88	85.75	3.7	33.81	7.7	26.0	0.16
F31	07 May 2019	81	9.89	86.02	3.7	33.82	7.7	26.0	0.16
F31	07 May 2019	82	9.89	86.09	3.7	33.82	7.7	26.0	0.16
F31	07 May 2019	83	9.89	86.49	3.7	33.83	7.7	26.1	0.16
F31	07 May 2019	84	9.88	86.77	3.7	33.84	7.7	26.1	0.16
F31	07 May 2019	85	9.88	87.45	3.8	33.87	7.7	26.1	0.15
F31	07 May 2019	86	9.88	88.32	3.8	33.86	7.7	26.1	0.15

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F31	07 May 2019	87	9.86	88.61	3.8	33.91	7.8	26.1	0.15
F31	07 May 2019	88	9.85	88.72	3.8	33.91	7.7	26.1	0.15
F31	07 May 2019	89	9.82	88.74	3.8	33.92	7.7	26.1	0.15
F31	07 May 2019	90	9.73	88.98	3.7	33.95	7.7	26.2	0.14
F31	07 May 2019	91	9.65	89.10	3.6	33.97	7.7	26.2	0.14
F31	07 May 2019	92	9.65	88.86	3.5	33.97	7.7	26.2	0.14
F31	07 May 2019	93	9.65	89.05	3.5	33.98	7.7	26.2	0.14
F31	07 May 2019	94	9.66	88.94	3.4	33.99	7.7	26.2	0.14
F31	07 May 2019	95	9.66	88.85	3.3	34.01	7.7	26.2	0.15
F31	07 May 2019	96	9.64	88.65	3.3	34.03	7.7	26.3	0.14
F31	07 May 2019	97	9.61	87.41	3.2	34.03	7.7	26.3	0.14
F31	07 May 2019	98	9.62	87.10	3.2	34.03	7.7	26.3	0.14
F31	07 May 2019	99	9.61	86.82	3.2	34.03	7.7	26.3	0.14
F32	07 May 2019	1	18.17	84.19	8.2	33.66	8.2	24.2	0.35
F32	07 May 2019	2	18.15	84.73	8.2	33.66	8.2	24.2	0.36
F32	07 May 2019	3	18.09	84.66	8.2	33.66	8.2	24.2	0.39
F32	07 May 2019	4	17.86	84.13	8.2	33.67	8.2	24.3	0.45
F32	07 May 2019	5	17.49	83.51	8.1	33.68	8.2	24.4	0.55
F32	07 May 2019	6	16.90	82.77	8.1	33.65	8.2	24.5	0.71
F32	07 May 2019	7	16.53	82.12	7.9	33.67	8.2	24.6	0.84
F32	07 May 2019	8	15.99	81.03	7.9	33.63	8.2	24.7	1.10
F32	07 May 2019	9	15.52	80.34	7.9	33.66	8.2	24.8	1.31
F32	07 May 2019	10	15.15	79.67	7.7	33.66	8.2	24.9	1.55
F32	07 May 2019	11	13.97	78.26	7.8	33.63	8.1	25.1	1.85
F32	07 May 2019	12	13.40	79.39	7.5	33.65	8.1	25.3	1.90
F32	07 May 2019	13	12.71	81.96	6.8	33.63	8.0	25.4	1.72
F32	07 May 2019	14	12.58	82.39	6.5	33.63	8.0	25.4	1.55
F32	07 May 2019	15	12.43	82.78	6.3	33.63	8.0	25.4	1.56
F32	07 May 2019	16	12.40	83.23	6.3	33.63	8.0	25.4	1.57
F32	07 May 2019	17	12.34	83.46	6.2	33.64	8.0	25.5	1.58
F32	07 May 2019	18	12.23	84.31	6.0	33.65	8.0	25.5	1.59
F32	07 May 2019	19	12.07	85.14	5.8	33.65	8.0	25.5	1.42
F32	07 May 2019	20	11.83	85.79	5.6	33.66	7.9	25.6	1.23
F32	07 May 2019	21	11.70	85.87	5.4	33.66	7.9	25.6	1.01
F32	07 May 2019	22	11.65	85.97	5.4	33.66	7.9	25.6	0.95
F32	07 May 2019	23	11.59	86.00	5.3	33.67	7.9	25.6	0.90
F32	07 May 2019	24	11.52	86.14	5.2	33.67	7.9	25.6	0.86
F32	07 May 2019	25	11.51	86.24	5.3	33.67	7.9	25.6	0.83
F32	07 May 2019	26	11.42	86.64	5.2	33.68	7.9	25.7	0.79
F32	07 May 2019	27	11.34	86.71	5.2	33.68	7.9	25.7	0.72
F32	07 May 2019	28	11.26	86.63	5.2	33.68	7.9	25.7	0.69
F32	07 May 2019	29	11.22	86.67	5.2	33.68	7.9	25.7	0.64
F32	07 May 2019	30	11.22	86.63	5.1	33.68	7.9	25.7	0.61
F32	07 May 2019	31	11.20	86.69	5.1	33.68	7.9	25.7	0.59
F32	07 May 2019	32	11.20	86.68	5.1	33.68	7.9	25.7	0.58
F32	07 May 2019	33	11.19	86.61	5.1	33.68	7.9	25.7	0.59
F32	07 May 2019	34	11.19	86.61	5.1	33.68	7.9	25.7	0.59
F32	07 May 2019	35	11.19	86.64	5.1	33.68	7.9	25.7	0.58
F32	07 May 2019	36	11.17	86.67	5.1	33.68	7.9	25.7	0.58
F32	07 May 2019	37	11.17	86.75	5.1	33.68	7.9	25.7	0.56
F32	07 May 2019	38	11.15	86.72	5.1	33.68	7.9	25.7	0.56
F32	07 May 2019	39	11.09	86.91	5.0	33.69	7.9	25.7	0.54
F32	07 May 2019	40	11.01	87.16	5.0	33.69	7.9	25.8	0.51
F32	07 May 2019	41	11.02	87.34	5.1	33.69	7.9	25.7	0.48
F32	07 May 2019	42	10.97	87.43	5.0	33.69	7.9	25.8	0.47
F32	07 May 2019	43	10.94	87.45	5.0	33.69	7.9	25.8	0.44
F32	07 May 2019	44	10.91	87.43	5.0	33.69	7.9	25.8	0.42
F32	07 May 2019	45	10.85	87.52	5.0	33.70	7.9	25.8	0.41
F32	07 May 2019	46	10.77	87.77	5.0	33.70	7.9	25.8	0.37
F32	07 May 2019	47	10.69	88.28	5.0	33.70	7.9	25.8	0.35

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F32	07 May 2019	48	10.64	88.32	5.0	33.69	7.9	25.8	0.33
F32	07 May 2019	49	10.62	88.13	5.0	33.70	7.9	25.8	0.32
F32	07 May 2019	50	10.54	88.15	4.9	33.70	7.8	25.8	0.30
F32	07 May 2019	51	10.54	88.20	5.0	33.70	7.8	25.8	0.29
F32	07 May 2019	52	10.49	88.22	4.9	33.71	7.8	25.9	0.29
F32	07 May 2019	53	10.48	88.16	4.9	33.71	7.8	25.9	0.28
F32	07 May 2019	54	10.47	88.09	4.9	33.71	7.8	25.9	0.27
F32	07 May 2019	55	10.46	88.02	4.8	33.72	7.8	25.9	0.26
F32	07 May 2019	56	10.44	87.97	4.8	33.72	7.8	25.9	0.26
F32	07 May 2019	57	10.42	87.82	4.8	33.73	7.8	25.9	0.25
F32	07 May 2019	58	10.38	87.84	4.7	33.73	7.8	25.9	0.26
F32	07 May 2019	59	10.36	87.91	4.7	33.74	7.8	25.9	0.23
F32	07 May 2019	60	10.32	88.18	4.6	33.74	7.8	25.9	0.22
F32	07 May 2019	61	10.29	88.20	4.6	33.74	7.8	25.9	0.21
F32	07 May 2019	62	10.29	88.20	4.6	33.75	7.8	25.9	0.21
F32	07 May 2019	63	10.27	88.20	4.6	33.75	7.8	25.9	0.20
F32	07 May 2019	64	10.26	88.20	4.6	33.75	7.8	25.9	0.20
F32	07 May 2019	65	10.25	88.18	4.6	33.75	7.8	25.9	0.19
F32	07 May 2019	66	10.24	88.20	4.5	33.76	7.8	25.9	0.19
F32	07 May 2019	67	10.22	87.84	4.5	33.76	7.8	25.9	0.19
F32	07 May 2019	68	10.16	86.66	4.3	33.76	7.8	26.0	0.18
F32	07 May 2019	69	10.11	86.36	4.1	33.75	7.8	26.0	0.17
F32	07 May 2019	70	10.10	87.33	4.2	33.78	7.8	26.0	0.17
F32	07 May 2019	71	10.11	87.92	4.3	33.79	7.8	26.0	0.17
F32	07 May 2019	72	10.11	88.13	4.3	33.80	7.8	26.0	0.17
F32	07 May 2019	73	10.10	88.09	4.3	33.81	7.8	26.0	0.17
F32	07 May 2019	74	10.10	88.09	4.3	33.81	7.8	26.0	0.17
F32	07 May 2019	75	10.10	88.08	4.3	33.81	7.8	26.0	0.17
F32	07 May 2019	76	10.08	88.05	4.2	33.83	7.8	26.0	0.17
F32	07 May 2019	77	10.06	88.04	4.2	33.84	7.8	26.0	0.16
F32	07 May 2019	78	10.05	88.06	4.2	33.84	7.8	26.0	0.16
F32	07 May 2019	79	10.04	88.00	4.1	33.84	7.8	26.0	0.15
F32	07 May 2019	80	10.02	88.10	4.1	33.85	7.8	26.1	0.15
F32	07 May 2019	81	9.98	88.46	4.1	33.86	7.8	26.1	0.15
F32	07 May 2019	82	9.98	88.25	4.1	33.86	7.8	26.1	0.15
F32	07 May 2019	83	9.97	88.51	4.0	33.86	7.8	26.1	0.15
F32	07 May 2019	84	9.91	87.94	3.9	33.87	7.8	26.1	0.15
F32	07 May 2019	85	9.90	88.00	3.8	33.87	7.8	26.1	0.14
F32	07 May 2019	86	9.88	88.30	3.8	33.89	7.8	26.1	0.15
F32	07 May 2019	87	9.87	88.41	3.8	33.90	7.8	26.1	0.15
F32	07 May 2019	88	9.87	88.45	3.8	33.90	7.7	26.1	0.15
F32	07 May 2019	89	9.85	88.43	3.8	33.91	7.7	26.1	0.14
F32	07 May 2019	90	9.83	88.44	3.7	33.92	7.7	26.1	0.14
F32	07 May 2019	91	9.80	88.56	3.7	33.93	7.7	26.1	0.14
F32	07 May 2019	92	9.78	88.73	3.7	33.94	7.7	26.2	0.14
F32	07 May 2019	93	9.77	88.89	3.6	33.95	7.7	26.2	0.14
F32	07 May 2019	94	9.66	88.97	3.6	33.98	7.7	26.2	0.13
F32	07 May 2019	95	9.64	89.00	3.5	33.98	7.7	26.2	0.13
F32	07 May 2019	96	9.65	88.97	3.4	33.99	7.7	26.2	0.13
F32	07 May 2019	97	9.66	88.67	3.3	34.01	7.7	26.2	0.14
F32	07 May 2019	98	9.65	88.56	3.2	34.03	7.7	26.2	0.14
F32	07 May 2019	99	9.63	88.54	3.2	34.03	7.7	26.3	0.14
F32	07 May 2019	100	9.61	87.81	3.1	34.04	7.7	26.3	0.14
F32	07 May 2019	101	9.60	86.81	3.1	34.04	7.7	26.3	0.14
F32	07 May 2019	102	9.60	86.38	3.1	34.03	7.7	26.3	0.15
F33	07 May 2019	1	18.48	83.02	8.4	33.68	8.3	24.1	0.26
F33	07 May 2019	2	18.47	85.20	8.4	33.68	8.3	24.1	0.27
F33	07 May 2019	3	18.46	85.71	8.4	33.68	8.3	24.1	0.28
F33	07 May 2019	4	18.45	85.72	8.4	33.68	8.3	24.1	0.30
F33	07 May 2019	5	18.44	85.68	8.4	33.68	8.3	24.2	0.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F33	07 May 2019	6	18.25	85.39	8.3	33.69	8.3	24.2	0.38
F33	07 May 2019	7	17.94	84.74	8.3	33.68	8.2	24.3	0.52
F33	07 May 2019	8	17.50	83.73	8.4	33.71	8.2	24.4	0.68
F33	07 May 2019	9	15.73	81.33	9.3	33.67	8.2	24.8	0.87
F33	07 May 2019	10	14.64	80.19	8.9	33.66	8.2	25.0	1.03
F33	07 May 2019	11	13.92	79.77	8.3	33.63	8.2	25.1	1.25
F33	07 May 2019	12	13.87	80.07	8.1	33.57	8.1	25.1	1.51
F33	07 May 2019	13	13.73	80.23	7.8	33.64	8.1	25.2	1.59
F33	07 May 2019	14	13.38	80.51	7.5	33.61	8.1	25.2	1.87
F33	07 May 2019	15	13.23	80.67	7.2	33.62	8.1	25.3	1.92
F33	07 May 2019	16	13.01	80.66	7.1	33.63	8.1	25.3	2.05
F33	07 May 2019	17	13.08	80.67	7.0	33.61	8.1	25.3	2.12
F33	07 May 2019	18	12.95	80.70	6.9	33.65	8.1	25.4	2.07
F33	07 May 2019	19	12.58	81.21	6.6	33.64	8.0	25.4	1.96
F33	07 May 2019	20	12.36	81.55	6.3	33.65	8.0	25.5	1.84
F33	07 May 2019	21	12.19	82.34	6.1	33.64	8.0	25.5	1.60
F33	07 May 2019	22	11.81	84.13	5.8	33.67	8.0	25.6	1.32
F33	07 May 2019	23	11.71	84.86	5.6	33.65	7.9	25.6	1.08
F33	07 May 2019	24	11.67	85.45	5.5	33.65	7.9	25.6	1.00
F33	07 May 2019	25	11.65	85.72	5.5	33.65	7.9	25.6	0.93
F33	07 May 2019	26	11.63	85.83	5.4	33.66	7.9	25.6	0.90
F33	07 May 2019	27	11.38	86.45	5.3	33.68	7.9	25.7	0.76
F33	07 May 2019	28	11.30	86.85	5.3	33.67	7.9	25.7	0.67
F33	07 May 2019	29	11.18	87.44	5.2	33.68	7.9	25.7	0.59
F33	07 May 2019	30	11.13	87.60	5.2	33.68	7.9	25.7	0.55
F33	07 May 2019	31	11.17	87.74	5.2	33.68	7.9	25.7	0.55
F33	07 May 2019	32	11.09	87.67	5.2	33.68	7.9	25.7	0.52
F33	07 May 2019	33	11.10	87.55	5.2	33.68	7.9	25.7	0.48
F33	07 May 2019	34	11.08	87.45	5.1	33.69	7.9	25.7	0.46
F33	07 May 2019	35	11.08	87.39	5.1	33.69	7.9	25.7	0.48
F33	07 May 2019	36	10.99	87.24	5.1	33.69	7.9	25.8	0.45
F33	07 May 2019	37	10.96	87.38	5.1	33.69	7.9	25.8	0.43
F33	07 May 2019	38	10.93	87.53	5.1	33.69	7.9	25.8	0.42
F33	07 May 2019	39	10.92	87.69	5.1	33.69	7.9	25.8	0.45
F33	07 May 2019	40	10.84	87.79	5.1	33.69	7.9	25.8	0.44
F33	07 May 2019	41	10.80	87.68	5.1	33.69	7.9	25.8	0.36
F33	07 May 2019	42	10.77	87.84	5.0	33.69	7.9	25.8	0.34
F33	07 May 2019	43	10.74	88.06	5.0	33.69	7.9	25.8	0.33
F33	07 May 2019	44	10.73	88.30	5.1	33.69	7.9	25.8	0.31
F33	07 May 2019	45	10.66	88.60	5.1	33.69	7.9	25.8	0.30
F33	07 May 2019	46	10.65	88.56	5.1	33.69	7.9	25.8	0.31
F33	07 May 2019	47	10.64	88.72	5.1	33.69	7.9	25.8	0.29
F33	07 May 2019	48	10.63	88.75	5.1	33.69	7.9	25.8	0.27
F33	07 May 2019	49	10.61	88.59	5.1	33.69	7.9	25.8	0.28
F33	07 May 2019	50	10.61	88.71	5.1	33.69	7.9	25.8	0.28
F33	07 May 2019	51	10.60	88.59	5.0	33.69	7.9	25.8	0.28
F33	07 May 2019	52	10.58	88.62	5.0	33.70	7.9	25.8	0.27
F33	07 May 2019	53	10.57	88.63	5.0	33.69	7.9	25.8	0.27
F33	07 May 2019	54	10.55	88.62	5.0	33.70	7.9	25.8	0.27
F33	07 May 2019	55	10.50	88.57	4.9	33.70	7.8	25.9	0.25
F33	07 May 2019	56	10.50	88.59	5.0	33.70	7.8	25.9	0.25
F33	07 May 2019	57	10.48	88.53	4.9	33.71	7.8	25.9	0.25
F33	07 May 2019	58	10.46	88.35	4.8	33.71	7.8	25.9	0.23
F33	07 May 2019	59	10.46	88.41	4.8	33.71	7.8	25.9	0.23
F33	07 May 2019	60	10.40	87.97	4.7	33.72	7.8	25.9	0.22
F33	07 May 2019	61	10.38	88.10	4.6	33.73	7.8	25.9	0.21
F33	07 May 2019	62	10.38	88.17	4.6	33.73	7.8	25.9	0.20
F33	07 May 2019	63	10.30	88.03	4.5	33.75	7.8	25.9	0.20
F33	07 May 2019	64	10.29	88.06	4.5	33.75	7.8	25.9	0.18
F33	07 May 2019	65	10.29	88.10	4.5	33.75	7.8	25.9	0.21
F33	07 May 2019	66	10.26	88.18	4.5	33.75	7.8	25.9	0.18

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F33	07 May 2019	67	10.26	88.20	4.5	33.75	7.8	25.9	0.18
F33	07 May 2019	68	10.24	88.18	4.5	33.76	7.8	25.9	0.17
F33	07 May 2019	69	10.23	88.09	4.4	33.76	7.8	25.9	0.16
F33	07 May 2019	70	10.18	87.85	4.3	33.78	7.8	26.0	0.15
F33	07 May 2019	71	10.16	87.46	4.2	33.79	7.8	26.0	0.16
F33	07 May 2019	72	10.08	86.55	3.9	33.81	7.8	26.0	0.14
F33	07 May 2019	73	10.08	86.37	3.9	33.81	7.8	26.0	0.13
F33	07 May 2019	74	10.10	86.12	3.8	33.82	7.8	26.0	0.13
F33	07 May 2019	75	10.09	85.84	3.9	33.82	7.8	26.0	0.13
F33	07 May 2019	76	10.07	86.11	3.9	33.82	7.8	26.0	0.13
F33	07 May 2019	77	10.05	86.41	3.8	33.82	7.8	26.0	0.13
F33	07 May 2019	78	10.05	86.35	3.8	33.83	7.8	26.0	0.13
F33	07 May 2019	79	10.05	86.33	3.8	33.84	7.8	26.0	0.13
F33	07 May 2019	80	10.03	86.76	3.8	33.83	7.8	26.0	0.13
F33	07 May 2019	81	10.02	86.94	3.8	33.84	7.8	26.0	0.12
F33	07 May 2019	82	10.01	86.93	3.8	33.84	7.8	26.0	0.12
F33	07 May 2019	83	10.02	86.82	3.8	33.84	7.8	26.0	0.13
F33	07 May 2019	84	10.04	86.64	3.8	33.85	7.8	26.0	0.13
F33	07 May 2019	85	10.04	86.42	3.8	33.86	7.8	26.1	0.13
F33	07 May 2019	86	10.03	86.50	3.8	33.86	7.8	26.1	0.12
F33	07 May 2019	87	10.03	86.39	3.8	33.86	7.8	26.1	0.12
F33	07 May 2019	88	10.01	86.24	3.8	33.87	7.8	26.1	0.12
F33	07 May 2019	89	10.00	85.63	3.8	33.88	7.7	26.1	0.13
F33	07 May 2019	90	10.00	85.73	3.8	33.88	7.7	26.1	0.13
F33	07 May 2019	91	9.99	85.25	3.8	33.89	7.7	26.1	0.13
F33	07 May 2019	92	9.98	84.64	3.8	33.89	7.7	26.1	0.12
F33	07 May 2019	93	9.95	84.47	3.7	33.91	7.7	26.1	0.13
F33	07 May 2019	94	9.89	83.63	3.6	33.93	7.7	26.1	0.12
F33	07 May 2019	95	9.76	84.38	3.5	33.98	7.7	26.2	0.12
F33	07 May 2019	96	9.74	85.46	3.4	33.99	7.7	26.2	0.12
F33	07 May 2019	97	9.68	86.43	3.3	34.01	7.7	26.2	0.12
F33	07 May 2019	98	9.67	86.52	3.2	34.02	7.7	26.2	0.12
F33	07 May 2019	99	9.65	87.53	3.2	34.03	7.7	26.2	0.12
F33	07 May 2019	100	9.62	87.41	3.1	34.04	7.7	26.3	0.11
F33	07 May 2019	101	9.60	85.76	3.1	34.04	7.7	26.3	0.11
F34	07 May 2019	1	18.34	86.07	8.3	33.67	8.2	24.2	0.22
F34	07 May 2019	2	18.34	86.22	8.3	33.67	8.2	24.2	0.22
F34	07 May 2019	3	18.34	86.28	8.3	33.67	8.2	24.2	0.25
F34	07 May 2019	4	18.33	86.24	8.3	33.67	8.2	24.2	0.25
F34	07 May 2019	5	18.32	86.21	8.4	33.67	8.2	24.2	0.25
F34	07 May 2019	6	18.32	86.20	8.3	33.67	8.2	24.2	0.27
F34	07 May 2019	7	18.26	86.18	8.3	33.68	8.2	24.2	0.28
F34	07 May 2019	8	18.03	86.02	8.0	33.70	8.2	24.3	0.29
F34	07 May 2019	9	15.56	86.17	8.4	33.70	8.2	24.8	0.29
F34	07 May 2019	10	15.29	86.36	8.6	33.65	8.2	24.9	0.28
F34	07 May 2019	11	14.72	86.05	8.6	33.57	8.2	24.9	0.32
F34	07 May 2019	12	14.66	85.84	8.6	33.55	8.2	24.9	0.35
F34	07 May 2019	13	14.59	85.72	8.6	33.56	8.2	24.9	0.37
F34	07 May 2019	14	14.50	85.20	8.7	33.55	8.2	25.0	0.44
F34	07 May 2019	15	14.34	84.90	8.6	33.58	8.2	25.0	0.48
F34	07 May 2019	16	13.90	84.04	8.5	33.57	8.2	25.1	0.61
F34	07 May 2019	17	13.81	82.90	8.4	33.56	8.2	25.1	0.91
F34	07 May 2019	18	13.60	81.63	8.2	33.58	8.2	25.2	1.48
F34	07 May 2019	19	13.22	81.17	7.6	33.59	8.1	25.3	1.80
F34	07 May 2019	20	13.04	80.19	7.1	33.58	8.0	25.3	2.17
F34	07 May 2019	21	12.72	80.78	6.6	33.65	8.0	25.4	2.21
F34	07 May 2019	22	12.40	81.71	6.0	33.62	8.0	25.4	2.17
F34	07 May 2019	23	12.30	81.86	5.8	33.63	8.0	25.5	2.07
F34	07 May 2019	24	12.16	81.96	5.8	33.64	8.0	25.5	1.97
F34	07 May 2019	25	12.12	81.85	5.8	33.64	8.0	25.5	1.97

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F34	07 May 2019	26	12.14	81.70	5.8	33.63	8.0	25.5	1.99
F34	07 May 2019	27	12.11	81.93	5.8	33.64	8.0	25.5	1.98
F34	07 May 2019	28	12.07	82.58	5.7	33.65	8.0	25.5	1.87
F34	07 May 2019	29	11.63	83.80	5.5	33.68	7.9	25.6	1.46
F34	07 May 2019	30	11.52	84.61	5.3	33.67	7.9	25.6	1.08
F34	07 May 2019	31	11.49	84.91	5.3	33.67	7.9	25.7	0.93
F34	07 May 2019	32	11.36	85.04	5.2	33.68	7.9	25.7	0.85
F34	07 May 2019	33	11.26	85.28	5.1	33.68	7.9	25.7	0.75
F34	07 May 2019	34	11.36	85.68	5.1	33.67	7.9	25.7	0.74
F34	07 May 2019	35	11.15	85.93	5.0	33.69	7.9	25.7	0.65
F34	07 May 2019	36	11.13	86.71	5.0	33.68	7.9	25.7	0.60
F34	07 May 2019	37	11.01	87.15	5.0	33.69	7.9	25.8	0.53
F34	07 May 2019	38	10.98	87.09	5.0	33.69	7.9	25.8	0.50
F34	07 May 2019	39	10.96	87.02	4.9	33.69	7.9	25.8	0.47
F34	07 May 2019	40	10.89	87.05	4.9	33.70	7.9	25.8	0.45
F34	07 May 2019	41	10.79	87.32	4.9	33.70	7.9	25.8	0.39
F34	07 May 2019	42	10.75	87.49	4.9	33.69	7.9	25.8	0.37
F34	07 May 2019	43	10.74	87.63	4.9	33.69	7.8	25.8	0.36
F34	07 May 2019	44	10.73	87.84	4.9	33.69	7.8	25.8	0.38
F34	07 May 2019	45	10.72	87.97	4.9	33.69	7.8	25.8	0.38
F34	07 May 2019	46	10.68	87.91	4.8	33.69	7.8	25.8	0.34
F34	07 May 2019	47	10.63	87.83	4.8	33.70	7.8	25.8	0.32
F34	07 May 2019	48	10.61	87.82	4.7	33.70	7.8	25.8	0.29
F34	07 May 2019	49	10.55	87.67	4.6	33.70	7.8	25.8	0.28
F34	07 May 2019	50	10.53	87.58	4.5	33.70	7.8	25.9	0.26
F34	07 May 2019	51	10.52	87.50	4.5	33.70	7.8	25.9	0.24
F34	07 May 2019	52	10.51	87.09	4.4	33.71	7.8	25.9	0.24
F34	07 May 2019	53	10.48	86.85	4.4	33.72	7.8	25.9	0.24
F34	07 May 2019	54	10.47	86.86	4.3	33.72	7.8	25.9	0.23
F34	07 May 2019	55	10.45	86.74	4.3	33.72	7.8	25.9	0.23
F34	07 May 2019	56	10.44	86.90	4.2	33.72	7.8	25.9	0.20
F34	07 May 2019	57	10.43	86.90	4.2	33.72	7.8	25.9	0.20
F34	07 May 2019	58	10.38	86.59	4.1	33.73	7.8	25.9	0.18
F34	07 May 2019	59	10.36	86.64	4.0	33.73	7.8	25.9	0.18
F34	07 May 2019	60	10.35	86.78	4.1	33.73	7.8	25.9	0.19
F34	07 May 2019	61	10.34	87.08	4.2	33.74	7.8	25.9	0.19
F34	07 May 2019	62	10.33	87.14	4.2	33.74	7.8	25.9	0.19
F34	07 May 2019	63	10.33	87.11	4.2	33.74	7.8	25.9	0.17
F34	07 May 2019	64	10.32	86.94	4.2	33.74	7.8	25.9	0.17
F34	07 May 2019	65	10.31	87.20	4.3	33.75	7.8	25.9	0.16
F34	07 May 2019	66	10.27	87.44	4.3	33.76	7.8	25.9	0.16
F34	07 May 2019	67	10.24	87.87	4.3	33.77	7.8	26.0	0.16
F34	07 May 2019	68	10.20	87.99	4.3	33.79	7.8	26.0	0.15
F34	07 May 2019	69	10.17	87.86	4.2	33.80	7.8	26.0	0.14
F34	07 May 2019	70	10.15	87.75	4.2	33.81	7.8	26.0	0.13
F34	07 May 2019	71	10.14	87.72	4.2	33.82	7.8	26.0	0.14
F34	07 May 2019	72	10.15	87.70	4.2	33.81	7.8	26.0	0.14
F34	07 May 2019	73	10.13	87.66	4.1	33.82	7.8	26.0	0.13
F34	07 May 2019	74	10.12	87.25	4.1	33.83	7.8	26.0	0.13
F34	07 May 2019	75	10.11	87.21	4.0	33.83	7.8	26.0	0.13
F34	07 May 2019	76	10.10	87.03	4.0	33.84	7.8	26.0	0.13
F34	07 May 2019	77	10.09	86.97	4.0	33.84	7.8	26.0	0.13
F34	07 May 2019	78	10.10	87.06	4.0	33.84	7.8	26.0	0.14
F34	07 May 2019	79	10.08	87.00	4.0	33.85	7.8	26.0	0.13
F34	07 May 2019	80	10.06	86.93	4.0	33.86	7.8	26.0	0.13
F34	07 May 2019	81	10.05	86.96	3.9	33.86	7.8	26.1	0.13
F34	07 May 2019	82	10.04	86.96	3.9	33.86	7.8	26.1	0.12
F34	07 May 2019	83	10.03	86.98	3.9	33.87	7.8	26.1	0.13
F34	07 May 2019	84	10.01	86.90	3.9	33.87	7.8	26.1	0.13
F34	07 May 2019	85	10.02	86.87	3.9	33.87	7.8	26.1	0.12
F34	07 May 2019	86	10.00	86.75	3.8	33.88	7.8	26.1	0.13

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F34	07 May 2019	87	9.98	86.73	3.8	33.88	7.8	26.1	0.12
F34	07 May 2019	88	9.93	86.65	3.8	33.91	7.8	26.1	0.12
F34	07 May 2019	89	9.91	86.70	3.7	33.91	7.7	26.1	0.12
F34	07 May 2019	90	9.90	86.70	3.7	33.92	7.7	26.1	0.13
F34	07 May 2019	91	9.90	86.70	3.7	33.92	7.7	26.1	0.11
F34	07 May 2019	92	9.82	86.66	3.6	33.95	7.7	26.2	0.11
F34	07 May 2019	93	9.80	86.67	3.5	33.96	7.7	26.2	0.11
F34	07 May 2019	94	9.69	86.65	3.4	34.01	7.7	26.2	0.11
F34	07 May 2019	95	9.66	87.00	3.2	34.02	7.7	26.2	0.11
F34	07 May 2019	96	9.65	87.12	3.2	34.02	7.7	26.2	0.11
F34	07 May 2019	97	9.65	87.11	3.2	34.02	7.7	26.2	0.11
F34	07 May 2019	98	9.63	87.08	3.2	34.02	7.7	26.3	0.11
F34	07 May 2019	99	9.62	87.07	3.2	34.03	7.7	26.3	0.11
F34	07 May 2019	100	9.58	87.11	3.1	34.04	7.7	26.3	0.11
F34	07 May 2019	101	9.57	86.83	3.1	34.04	7.7	26.3	0.11
F34	07 May 2019	102	9.51	86.09	3.0	34.06	7.7	26.3	0.11
F35	07 May 2019	1	18.18	86.47	8.2	33.66	8.2	24.2	0.23
F35	07 May 2019	2	18.18	86.66	8.2	33.66	8.2	24.2	0.22
F35	07 May 2019	3	18.18	86.74	8.2	33.66	8.2	24.2	0.23
F35	07 May 2019	4	18.18	86.74	8.1	33.66	8.2	24.2	0.23
F35	07 May 2019	5	18.17	86.77	7.9	33.67	8.2	24.2	0.24
F35	07 May 2019	6	16.99	86.61	8.0	33.77	8.2	24.6	0.26
F35	07 May 2019	7	15.32	86.85	8.6	33.61	8.2	24.8	0.23
F35	07 May 2019	8	14.99	87.07	8.6	33.58	8.2	24.9	0.25
F35	07 May 2019	9	14.71	87.11	8.5	33.56	8.2	24.9	0.26
F35	07 May 2019	10	14.60	86.73	8.5	33.56	8.2	24.9	0.27
F35	07 May 2019	11	14.41	86.88	8.4	33.56	8.2	25.0	0.31
F35	07 May 2019	12	13.96	86.62	8.3	33.56	8.2	25.1	0.69
F35	07 May 2019	13	13.77	84.69	8.3	33.56	8.1	25.1	1.45
F35	07 May 2019	14	13.71	83.18	8.3	33.56	8.1	25.1	2.07
F35	07 May 2019	15	13.62	82.31	8.1	33.57	8.1	25.2	2.36
F35	07 May 2019	16	13.47	82.61	7.9	33.57	8.1	25.2	2.43
F35	07 May 2019	17	13.34	83.21	7.7	33.57	8.1	25.2	2.58
F35	07 May 2019	18	12.92	83.88	7.2	33.59	8.1	25.3	2.66
F35	07 May 2019	19	12.76	85.10	7.0	33.57	8.1	25.3	2.14
F35	07 May 2019	20	12.86	85.40	7.1	33.56	8.0	25.3	1.96
F35	07 May 2019	21	12.65	86.02	6.9	33.59	8.1	25.4	1.69
F35	07 May 2019	22	12.50	86.65	6.7	33.58	8.0	25.4	1.47
F35	07 May 2019	23	12.46	86.96	6.6	33.58	8.0	25.4	1.27
F35	07 May 2019	24	12.39	87.35	6.4	33.60	8.0	25.4	1.13
F35	07 May 2019	25	12.29	87.39	6.4	33.59	8.0	25.4	1.00
F35	07 May 2019	26	12.24	87.40	6.3	33.59	8.0	25.4	0.97
F35	07 May 2019	27	12.18	87.34	6.3	33.60	8.0	25.5	1.06
F35	07 May 2019	28	12.12	87.47	6.3	33.60	8.0	25.5	1.01
F35	07 May 2019	29	12.11	87.69	6.2	33.60	8.0	25.5	0.97
F35	07 May 2019	30	12.03	87.74	6.2	33.60	8.0	25.5	0.96
F35	07 May 2019	31	12.00	87.69	6.0	33.60	8.0	25.5	1.01
F35	07 May 2019	32	11.97	87.66	5.6	33.64	7.9	25.5	0.87
F35	07 May 2019	33	11.88	87.84	5.4	33.65	7.9	25.6	0.77
F35	07 May 2019	34	11.89	88.01	5.4	33.65	7.9	25.6	0.73
F35	07 May 2019	35	11.73	88.07	5.2	33.66	7.9	25.6	0.63
F35	07 May 2019	36	11.67	88.15	5.2	33.66	7.9	25.6	0.56
F35	07 May 2019	37	11.64	88.04	5.2	33.65	7.9	25.6	0.52
F35	07 May 2019	38	11.58	87.80	5.2	33.66	7.9	25.6	0.56
F35	07 May 2019	39	11.52	87.23	5.2	33.66	7.9	25.6	0.54
F35	07 May 2019	40	11.45	86.49	5.2	33.66	7.9	25.7	0.53
F35	07 May 2019	41	11.47	86.30	5.1	33.66	7.9	25.6	0.51
F35	07 May 2019	42	11.31	86.12	5.0	33.67	7.9	25.7	0.49
F35	07 May 2019	43	11.32	86.15	5.0	33.67	7.9	25.7	0.48
F35	07 May 2019	44	11.25	85.98	5.0	33.68	7.9	25.7	0.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F35	07 May 2019	45	11.21	85.81	4.9	33.68	7.9	25.7	0.47
F35	07 May 2019	46	11.15	85.67	4.9	33.68	7.9	25.7	0.47
F35	07 May 2019	47	11.06	85.64	4.8	33.69	7.9	25.7	0.44
F35	07 May 2019	48	10.99	85.71	4.8	33.69	7.8	25.8	0.42
F35	07 May 2019	49	10.92	85.82	4.7	33.70	7.8	25.8	0.41
F35	07 May 2019	50	10.76	86.12	4.7	33.70	7.8	25.8	0.36
F35	07 May 2019	51	10.71	86.35	4.6	33.70	7.8	25.8	0.31
F35	07 May 2019	52	10.68	86.46	4.6	33.70	7.8	25.8	0.29
F35	07 May 2019	53	10.66	86.40	4.5	33.70	7.8	25.8	0.28
F35	07 May 2019	54	10.66	86.35	4.5	33.70	7.8	25.8	0.26
F35	07 May 2019	55	10.66	86.37	4.5	33.70	7.8	25.8	0.26
F35	07 May 2019	56	10.65	86.23	4.5	33.71	7.8	25.8	0.26
F35	07 May 2019	57	10.63	86.06	4.4	33.71	7.8	25.8	0.25
F35	07 May 2019	58	10.63	86.01	4.4	33.71	7.8	25.8	0.24
F35	07 May 2019	59	10.63	85.93	4.4	33.71	7.8	25.8	0.24
F35	07 May 2019	60	10.61	85.87	4.4	33.71	7.8	25.8	0.24
F35	07 May 2019	61	10.60	85.84	4.3	33.72	7.8	25.8	0.24
F35	07 May 2019	62	10.57	85.63	4.3	33.72	7.8	25.9	0.23
F35	07 May 2019	63	10.56	85.47	4.3	33.72	7.8	25.9	0.22
F35	07 May 2019	64	10.56	85.39	4.2	33.72	7.8	25.9	0.21
F35	07 May 2019	65	10.52	85.29	4.2	33.73	7.8	25.9	0.21
F35	07 May 2019	66	10.51	85.28	4.2	33.72	7.8	25.9	0.20
F35	07 May 2019	67	10.44	85.15	4.1	33.74	7.8	25.9	0.19
F35	07 May 2019	68	10.40	85.15	4.2	33.75	7.8	25.9	0.18
F35	07 May 2019	69	10.30	85.83	4.4	33.78	7.8	25.9	0.18
F35	07 May 2019	70	10.32	85.84	4.3	33.77	7.8	25.9	0.17
F35	07 May 2019	71	10.20	86.49	4.3	33.80	7.8	26.0	0.17
F35	07 May 2019	72	10.19	86.52	4.3	33.80	7.8	26.0	0.16
F35	07 May 2019	73	10.18	86.48	4.2	33.81	7.8	26.0	0.16
F35	07 May 2019	74	10.17	86.54	4.2	33.81	7.8	26.0	0.15
F35	07 May 2019	75	10.16	86.49	4.2	33.81	7.8	26.0	0.14
F35	07 May 2019	76	10.13	86.61	4.2	33.82	7.8	26.0	0.14
F35	07 May 2019	77	10.12	86.73	4.2	33.83	7.8	26.0	0.14
F35	07 May 2019	78	10.10	86.76	4.2	33.83	7.8	26.0	0.14
F35	07 May 2019	79	10.10	86.74	4.1	33.83	7.8	26.0	0.14
F35	07 May 2019	80	10.08	86.74	4.1	33.84	7.8	26.0	0.14
F35	07 May 2019	81	10.08	86.58	4.1	33.84	7.8	26.0	0.13
F35	07 May 2019	82	10.08	86.38	4.0	33.84	7.8	26.0	0.14
F35	07 May 2019	83	10.07	85.86	4.0	33.85	7.8	26.0	0.13
F35	07 May 2019	84	10.05	86.22	4.0	33.85	7.8	26.0	0.13
F35	07 May 2019	85	10.02	86.46	4.0	33.86	7.8	26.1	0.13
F35	07 May 2019	86	10.01	86.69	4.0	33.86	7.8	26.1	0.13
F35	07 May 2019	87	10.00	86.75	4.0	33.87	7.8	26.1	0.12
F35	07 May 2019	88	9.96	86.70	3.9	33.88	7.8	26.1	0.13
F35	07 May 2019	89	9.95	86.77	3.9	33.88	7.8	26.1	0.13
F35	07 May 2019	90	9.92	86.57	3.8	33.89	7.8	26.1	0.12
F35	07 May 2019	91	9.90	86.57	3.8	33.90	7.7	26.1	0.12
F35	07 May 2019	92	9.89	86.62	3.8	33.91	7.7	26.1	0.12
F35	07 May 2019	93	9.88	86.60	3.8	33.91	7.7	26.1	0.12
F35	07 May 2019	94	9.83	86.79	3.7	33.93	7.7	26.1	0.11
F35	07 May 2019	95	9.80	87.39	3.6	33.94	7.7	26.2	0.12
F35	07 May 2019	96	9.76	87.50	3.5	33.96	7.7	26.2	0.12
F35	07 May 2019	97	9.70	87.76	3.4	33.99	7.7	26.2	0.11
F35	07 May 2019	98	9.69	87.88	3.3	33.99	7.7	26.2	0.11
F35	07 May 2019	99	9.65	87.90	3.2	34.01	7.7	26.2	0.11
F35	07 May 2019	100	9.61	87.86	3.2	34.03	7.7	26.3	0.11
F36	07 May 2019	1	17.96	86.75	8.1	33.65	8.2	24.2	0.23
F36	07 May 2019	2	17.96	86.99	8.1	33.65	8.2	24.2	0.23
F36	07 May 2019	3	17.96	87.08	8.1	33.65	8.2	24.3	0.23
F36	07 May 2019	4	17.96	87.06	8.1	33.65	8.2	24.3	0.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (μg/L)
F36	07 May 2019	5	17.96	87.03	8.1	33.65	8.2	24.2	0.24
F36	07 May 2019	6	17.96	87.05	8.1	33.65	8.2	24.3	0.25
F36	07 May 2019	7	17.96	87.08	8.0	33.65	8.2	24.2	0.24
F36	07 May 2019	8	17.96	87.06	8.1	33.65	8.2	24.2	0.26
F36	07 May 2019	9	17.87	87.03	8.0	33.67	8.2	24.3	0.27
F36	07 May 2019	10	17.33	86.99	8.1	33.66	8.2	24.4	0.28
F36	07 May 2019	11	16.15	86.86	8.2	33.69	8.2	24.7	0.29
F36	07 May 2019	12	15.30	87.02	8.4	33.61	8.2	24.8	0.30
F36	07 May 2019	13	15.03	86.92	8.6	33.55	8.2	24.8	0.31
F36	07 May 2019	14	15.42	86.91	8.4	33.56	8.2	24.8	0.31
F36	07 May 2019	15	14.88	86.87	8.4	33.56	8.2	24.9	0.31
F36	07 May 2019	16	14.79	86.82	8.5	33.55	8.2	24.9	0.32
F36	07 May 2019	17	14.75	86.79	8.5	33.56	8.2	24.9	0.34
F36	07 May 2019	18	14.68	86.77	8.4	33.55	8.2	24.9	0.36
F36	07 May 2019	19	14.50	86.55	8.3	33.58	8.2	25.0	0.37
F36	07 May 2019	20	14.10	85.86	8.3	33.57	8.2	25.1	0.62
F36	07 May 2019	21	13.86	83.88	8.2	33.56	8.1	25.1	1.39
F36	07 May 2019	22	13.76	83.00	8.2	33.56	8.1	25.1	2.18
F36	07 May 2019	23	13.39	82.81	8.1	33.58	8.1	25.2	3.05
F36	07 May 2019	24	13.24	83.39	7.9	33.56	8.1	25.2	3.32
F36	07 May 2019	25	13.24	83.27	7.6	33.57	8.1	25.2	3.25
F36	07 May 2019	26	12.97	84.55	7.2	33.57	8.1	25.3	2.68
F36	07 May 2019	27	12.88	85.85	6.9	33.58	8.1	25.3	2.20
F36	07 May 2019	28	12.90	86.05	6.9	33.57	8.0	25.3	1.85
F36	07 May 2019	29	12.84	86.56	6.8	33.59	8.0	25.3	1.64
F36	07 May 2019	30	12.73	86.93	6.6	33.60	8.0	25.4	1.31
F36	07 May 2019	31	12.72	87.23	6.5	33.60	8.0	25.4	1.13
F36	07 May 2019	32	12.63	87.57	6.5	33.60	8.0	25.4	1.06
F36	07 May 2019	33	12.60	87.43	6.5	33.59	8.0	25.4	1.00
F36	07 May 2019	34	12.51	87.55	6.4	33.61	8.0	25.4	0.92
F36	07 May 2019	35	12.42	87.71	6.3	33.59	8.0	25.4	0.88
F36	07 May 2019	36	12.37	87.71	6.4	33.58	8.0	25.4	0.93
F36	07 May 2019	37	12.36	87.54	6.3	33.59	8.0	25.4	0.93
F36	07 May 2019	38	12.25	87.45	6.3	33.60	8.0	25.5	0.99
F36	07 May 2019	39	12.16	87.58	6.0	33.61	8.0	25.5	0.98
F36	07 May 2019	40	12.08	87.52	5.7	33.63	8.0	25.5	0.89
F36	07 May 2019	41	12.00	87.65	5.5	33.64	7.9	25.5	0.83
F36	07 May 2019	42	11.90	87.77	5.4	33.65	7.9	25.6	0.77
F36	07 May 2019	43	11.87	87.84	5.3	33.65	7.9	25.6	0.75
F36	07 May 2019	44	11.86	87.85	5.3	33.65	7.9	25.6	0.69
F36	07 May 2019	45	11.84	87.87	5.2	33.65	7.9	25.6	0.67
F36	07 May 2019	46	11.77	87.93	5.2	33.65	7.9	25.6	0.68
F36	07 May 2019	47	11.74	88.01	5.2	33.66	7.9	25.6	0.63
F36	07 May 2019	48	11.71	88.07	5.2	33.66	7.9	25.6	0.61
F36	07 May 2019	49	11.57	88.12	5.1	33.67	7.9	25.6	0.58
F36	07 May 2019	50	11.51	88.21	5.1	33.66	7.9	25.6	0.56
F36	07 May 2019	51	11.50	88.25	5.2	33.66	7.9	25.6	0.53
F36	07 May 2019	52	11.47	88.30	5.1	33.67	7.9	25.7	0.51
F36	07 May 2019	53	11.34	88.30	5.0	33.68	7.9	25.7	0.50
F36	07 May 2019	54	11.22	88.46	5.0	33.68	7.9	25.7	0.46
F36	07 May 2019	55	11.21	88.41	5.0	33.67	7.9	25.7	0.40
F36	07 May 2019	56	11.16	88.45	5.0	33.68	7.9	25.7	0.40
F36	07 May 2019	57	11.11	88.50	5.0	33.68	7.9	25.7	0.39
F36	07 May 2019	58	11.04	88.49	5.0	33.69	7.9	25.7	0.37
F36	07 May 2019	59	10.99	88.55	5.0	33.69	7.9	25.8	0.37
F36	07 May 2019	60	11.01	88.56	4.9	33.69	7.9	25.8	0.38
F36	07 May 2019	61	10.99	88.56	4.9	33.70	7.9	25.8	0.35
F36	07 May 2019	62	10.95	88.58	4.9	33.70	7.8	25.8	0.32
F36	07 May 2019	63	10.87	88.70	4.9	33.71	7.8	25.8	0.32
F36	07 May 2019	64	10.80	88.67	4.9	33.71	7.8	25.8	0.28
F36	07 May 2019	65	10.79	88.65	4.8	33.71	7.8	25.8	0.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens ( $\sigma\text{-t}$ )	Chlor ( $\mu\text{g/L}$ )
F36	07 May 2019	66	10.76	88.72	4.8	33.71	7.8	25.8	0.26
F36	07 May 2019	67	10.68	88.73	4.8	33.72	7.8	25.8	0.24
F36	07 May 2019	68	10.58	88.82	4.8	33.72	7.8	25.9	0.23
F36	07 May 2019	69	10.56	88.77	4.8	33.72	7.8	25.9	0.23
F36	07 May 2019	70	10.48	88.42	4.7	33.73	7.8	25.9	0.22
F36	07 May 2019	71	10.39	88.22	4.7	33.75	7.8	25.9	0.20
F36	07 May 2019	72	10.34	88.26	4.6	33.75	7.8	25.9	0.19
F36	07 May 2019	73	10.31	87.44	4.6	33.76	7.8	25.9	0.17
F36	07 May 2019	74	10.27	87.40	4.6	33.77	7.8	25.9	0.17
F36	07 May 2019	75	10.23	87.48	4.5	33.77	7.8	25.9	0.16
F36	07 May 2019	76	10.21	87.93	4.5	33.77	7.8	26.0	0.16
F36	07 May 2019	77	10.20	87.79	4.4	33.78	7.8	26.0	0.16
F36	07 May 2019	78	10.19	87.74	4.4	33.78	7.8	26.0	0.15
F36	07 May 2019	79	10.19	87.45	4.4	33.79	7.8	26.0	0.15
F36	07 May 2019	80	10.18	87.46	4.4	33.79	7.8	26.0	0.15
F36	07 May 2019	81	10.16	87.49	4.4	33.79	7.8	26.0	0.15
F36	07 May 2019	82	10.13	87.51	4.3	33.80	7.8	26.0	0.13
F36	07 May 2019	83	10.10	87.40	4.3	33.81	7.8	26.0	0.13
F36	07 May 2019	84	10.09	87.28	4.3	33.81	7.8	26.0	0.13
F36	07 May 2019	85	10.09	87.35	4.3	33.81	7.8	26.0	0.13
F36	07 May 2019	86	10.09	87.13	4.2	33.82	7.8	26.0	0.13
F36	07 May 2019	87	10.08	87.07	4.2	33.82	7.8	26.0	0.14
F36	07 May 2019	88	10.07	87.01	4.2	33.82	7.8	26.0	0.15
F36	07 May 2019	89	10.06	86.99	4.2	33.83	7.8	26.0	0.13
F36	07 May 2019	90	10.05	86.92	4.2	33.83	7.8	26.0	0.14
F36	07 May 2019	91	10.01	86.74	4.1	33.85	7.8	26.0	0.14
F36	07 May 2019	92	10.00	86.77	4.1	33.85	7.8	26.1	0.13
F36	07 May 2019	93	10.00	86.74	4.0	33.85	7.8	26.1	0.13
F36	07 May 2019	94	9.98	86.74	4.0	33.86	7.8	26.1	0.14
F36	07 May 2019	95	9.99	86.76	4.0	33.85	7.8	26.1	0.13
F36	07 May 2019	96	9.92	86.88	4.0	33.89	7.8	26.1	0.13
F36	07 May 2019	97	9.89	87.11	3.9	33.90	7.8	26.1	0.14
F36	07 May 2019	98	9.89	87.04	3.8	33.89	7.7	26.1	0.12
F36	07 May 2019	99	9.77	87.39	3.6	33.96	7.7	26.2	0.12
F36	07 May 2019	100	9.64	87.72	3.3	34.02	7.7	26.2	0.11
F36	07 May 2019	101	9.59	87.86	3.2	34.04	7.7	26.3	0.11

NA = not available

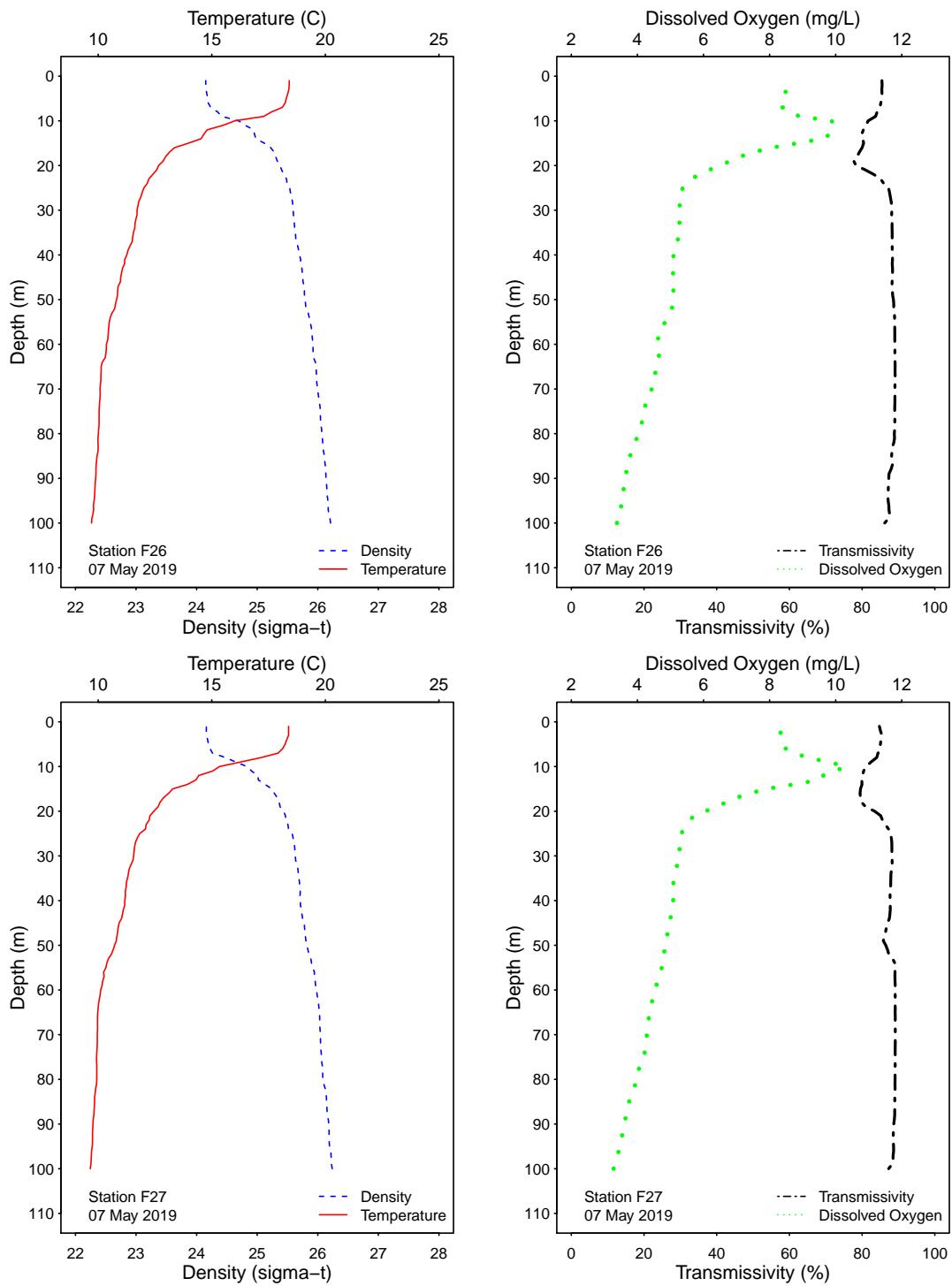


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

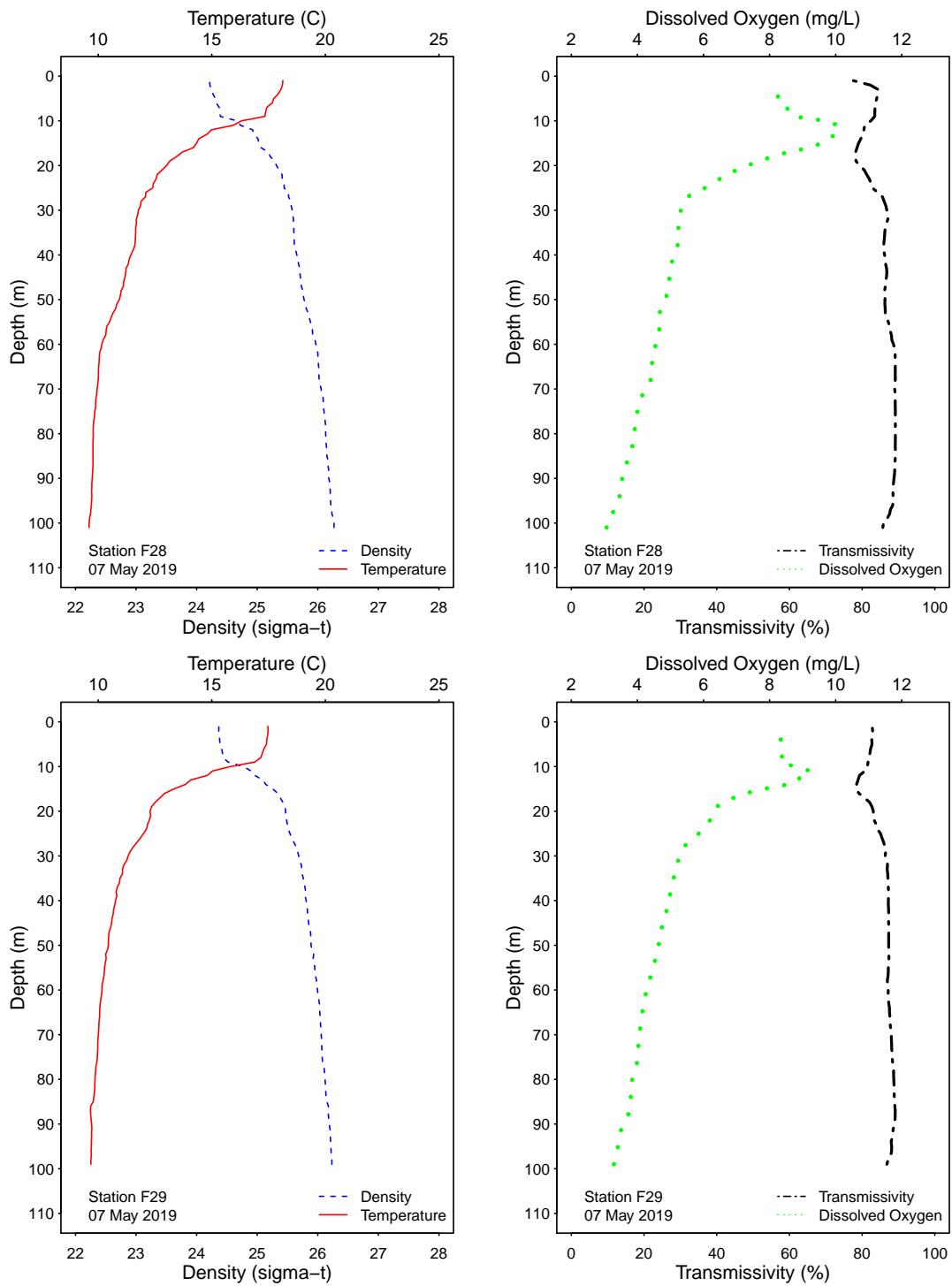


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

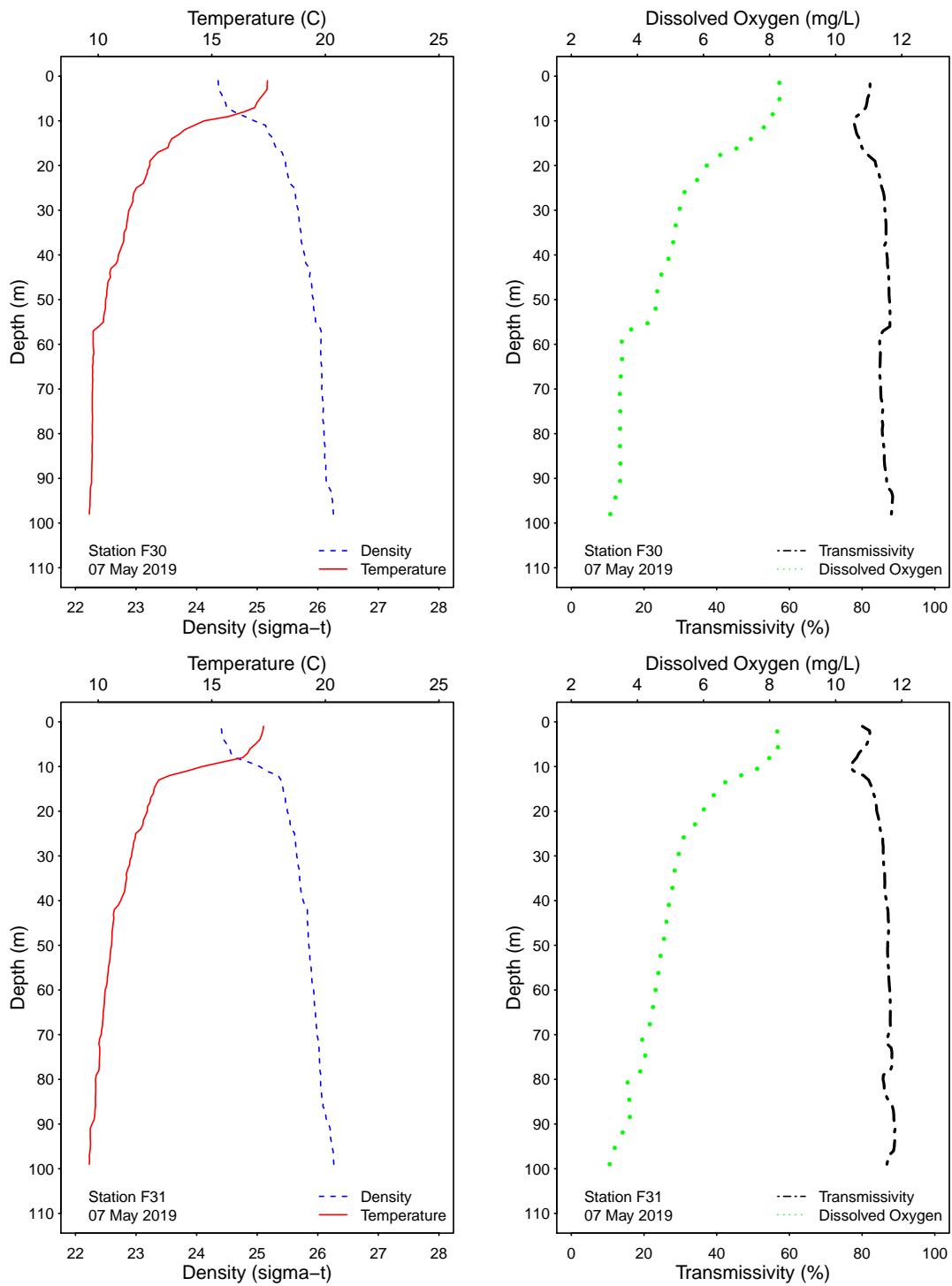


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

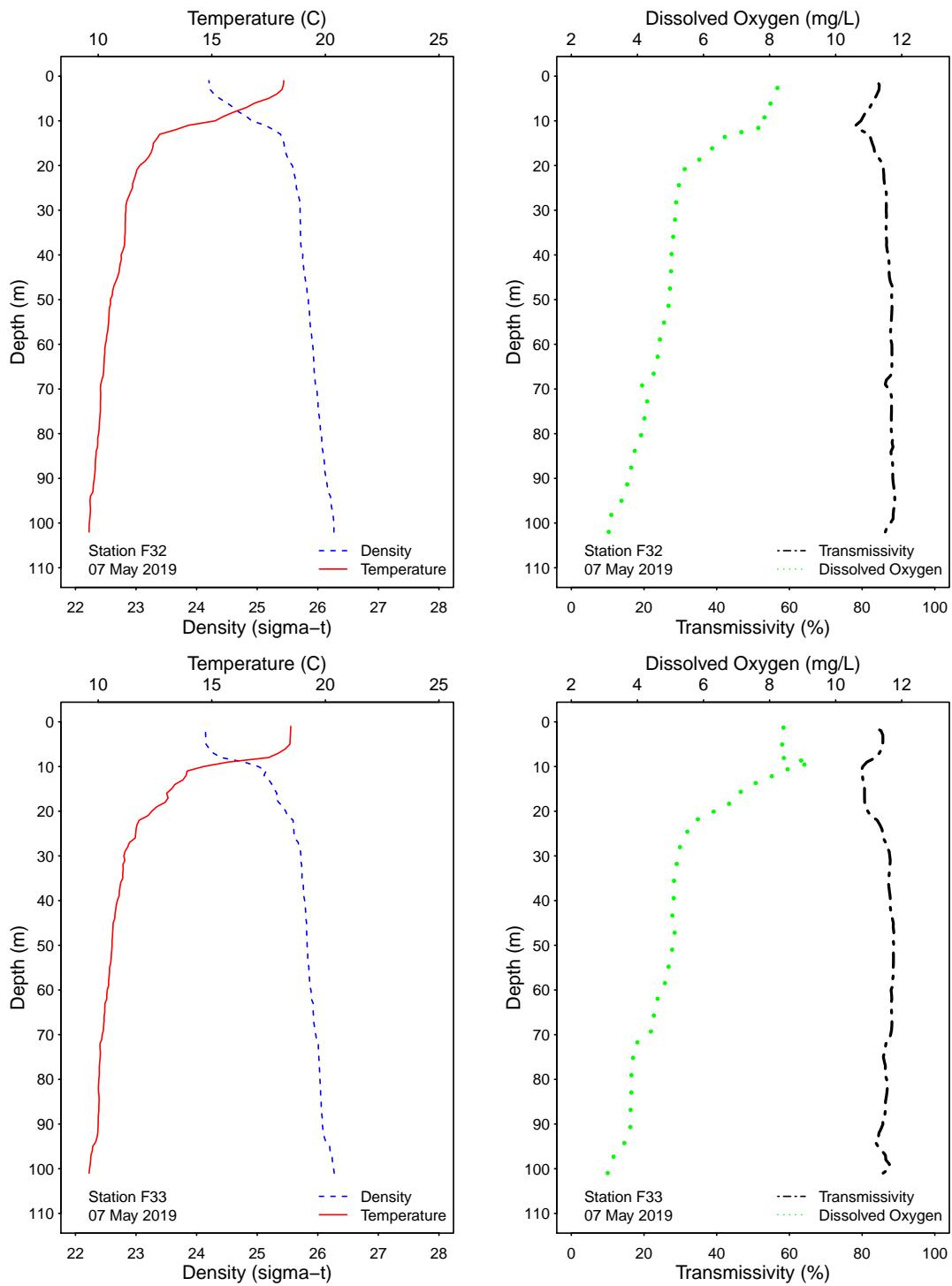


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

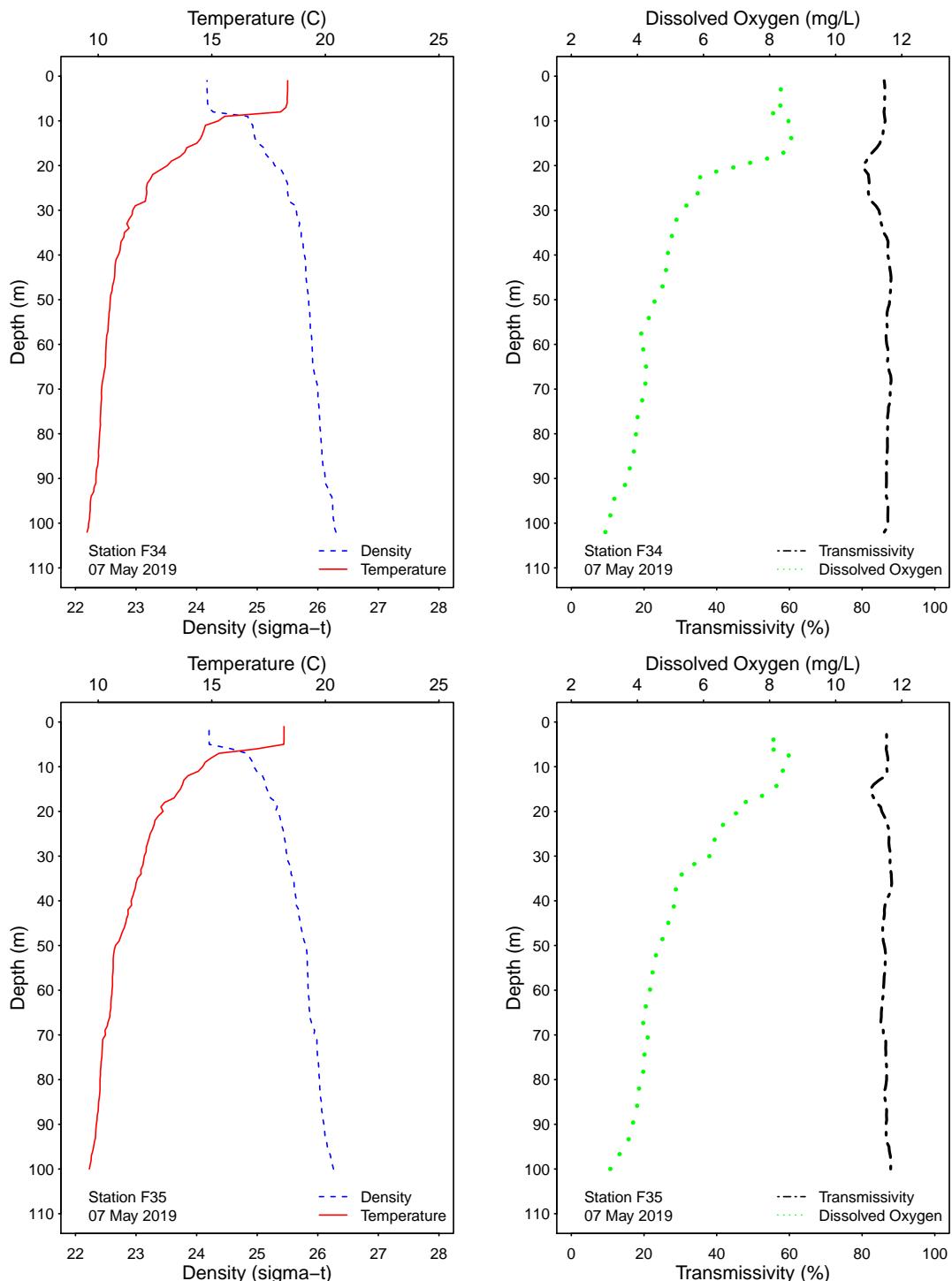


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

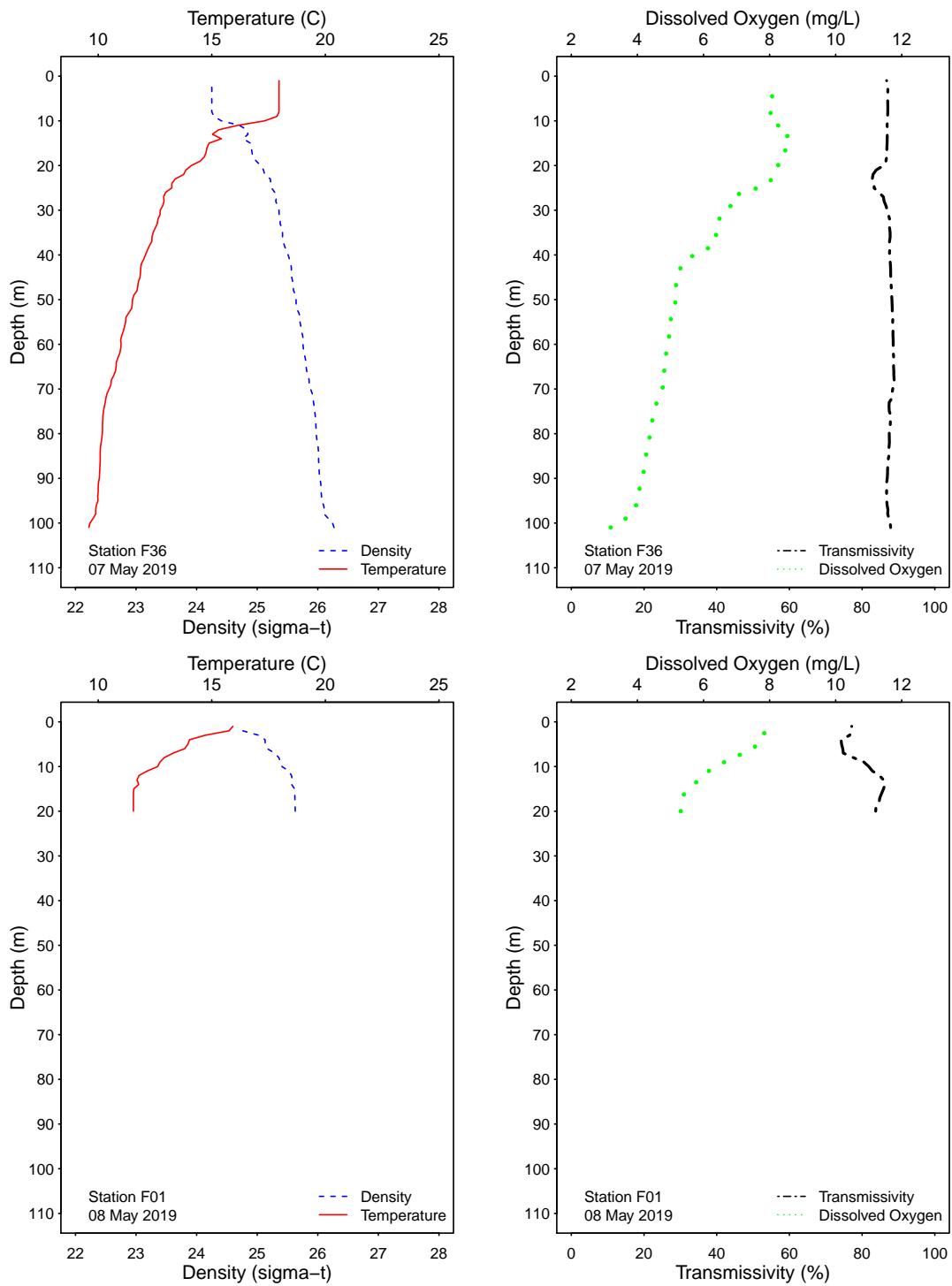


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

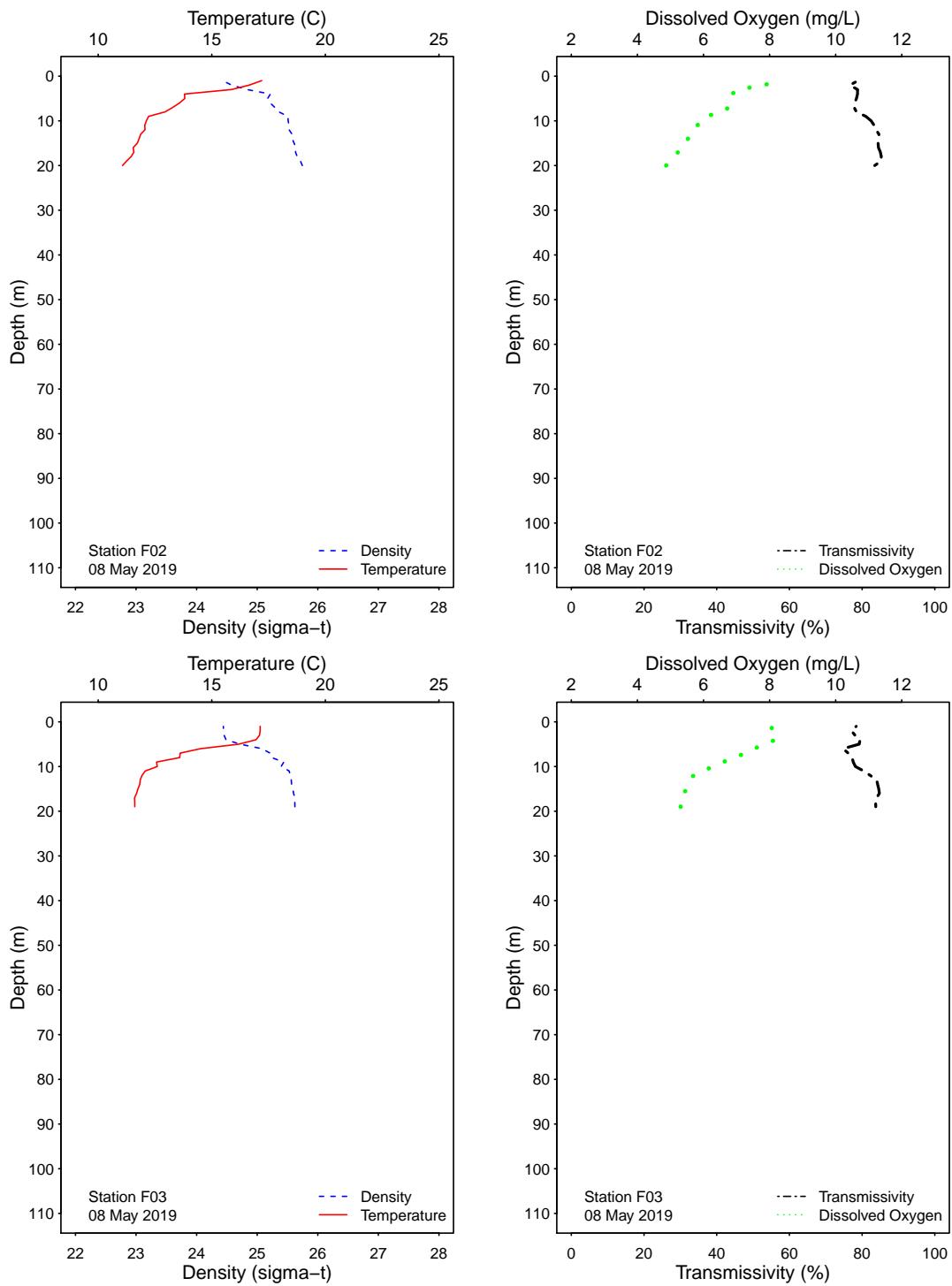


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

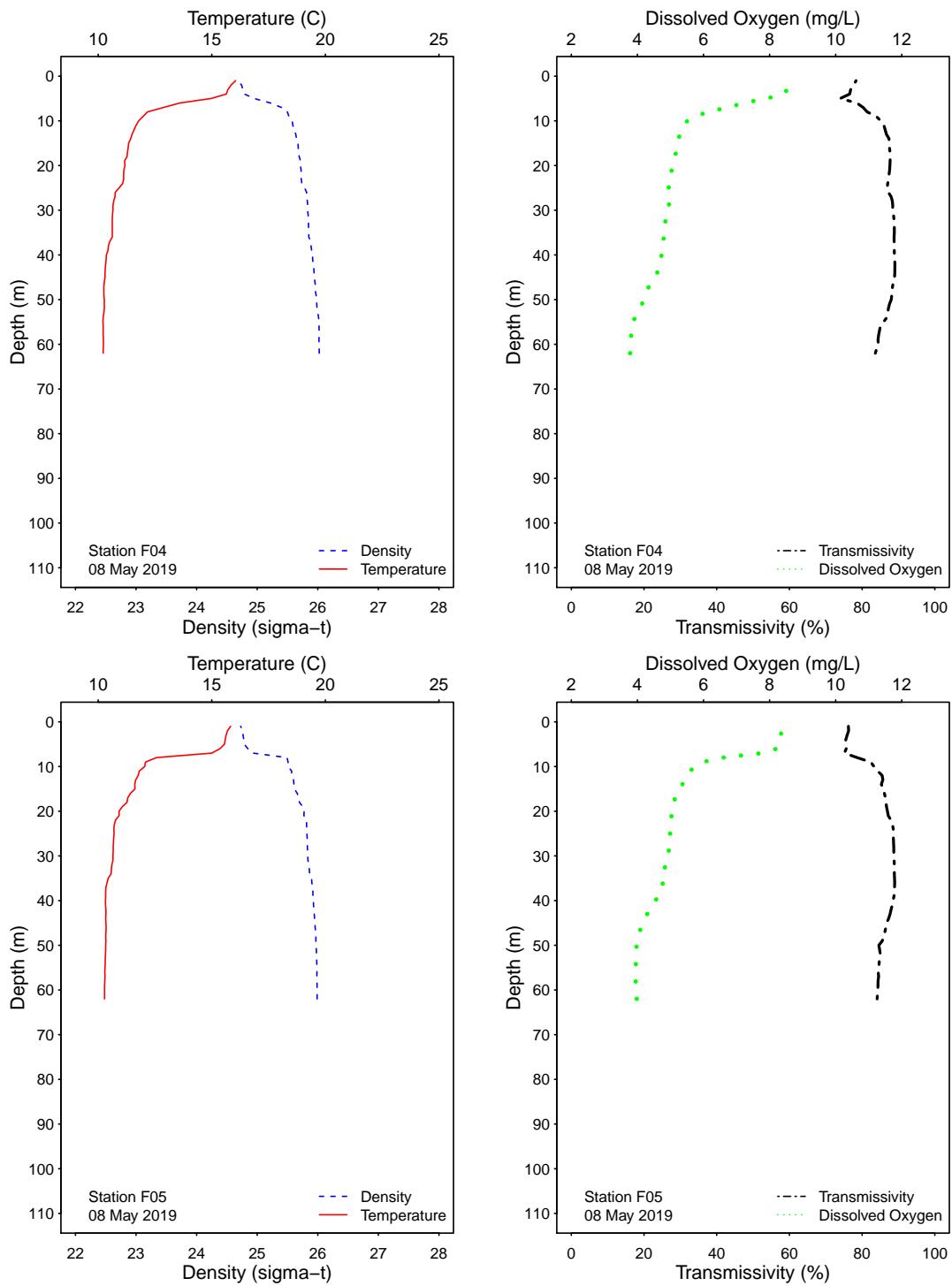


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

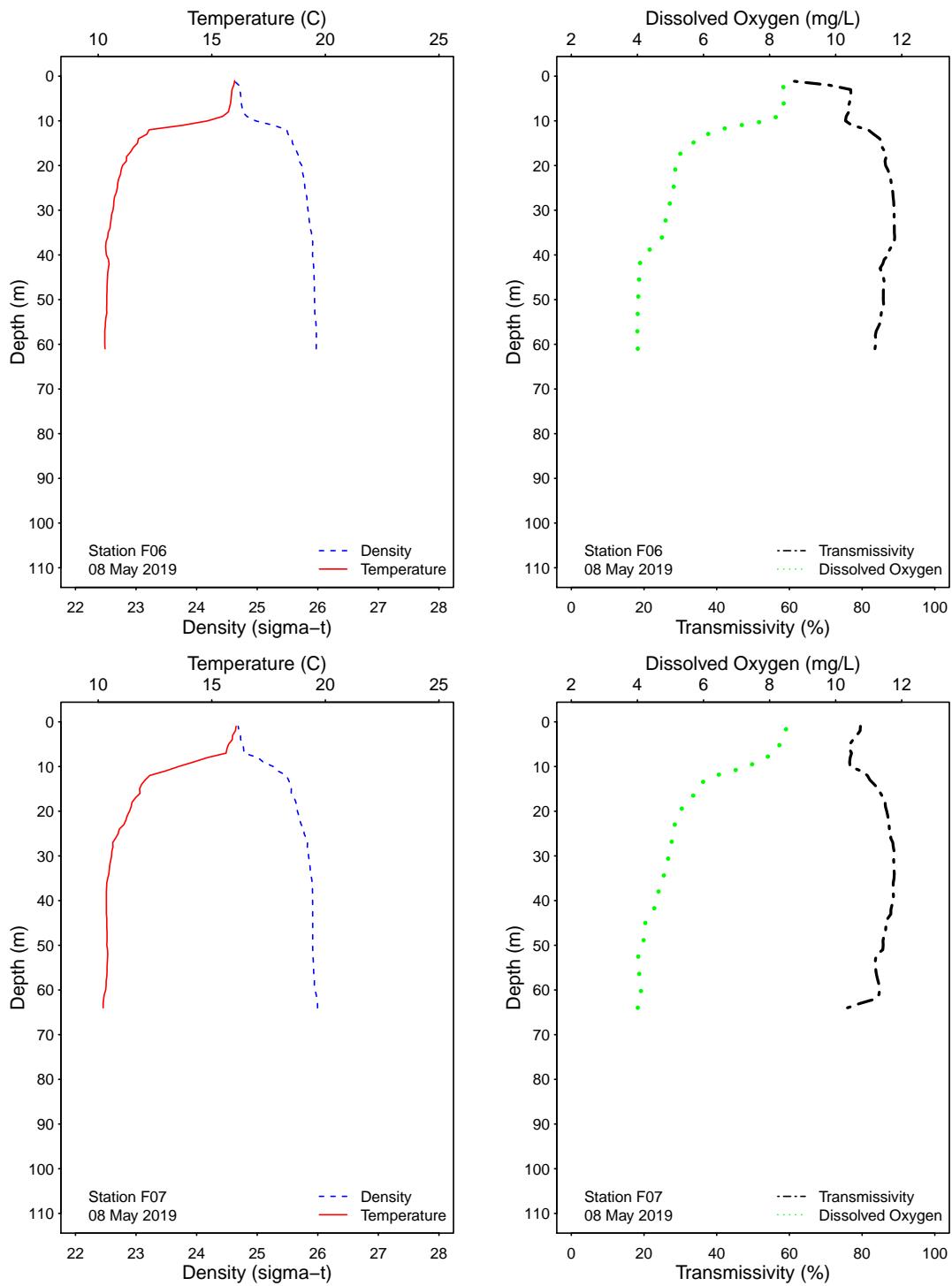


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

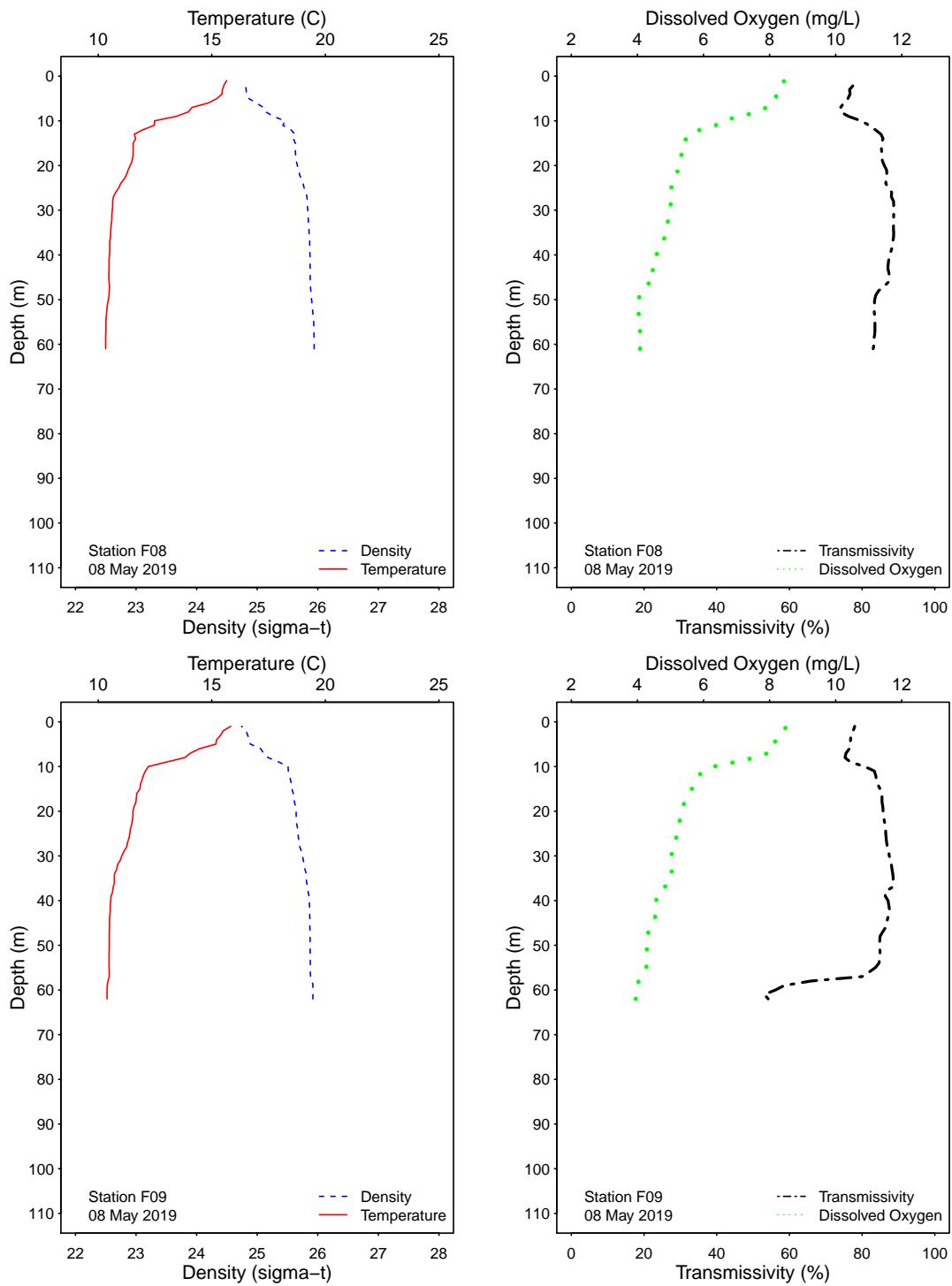


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

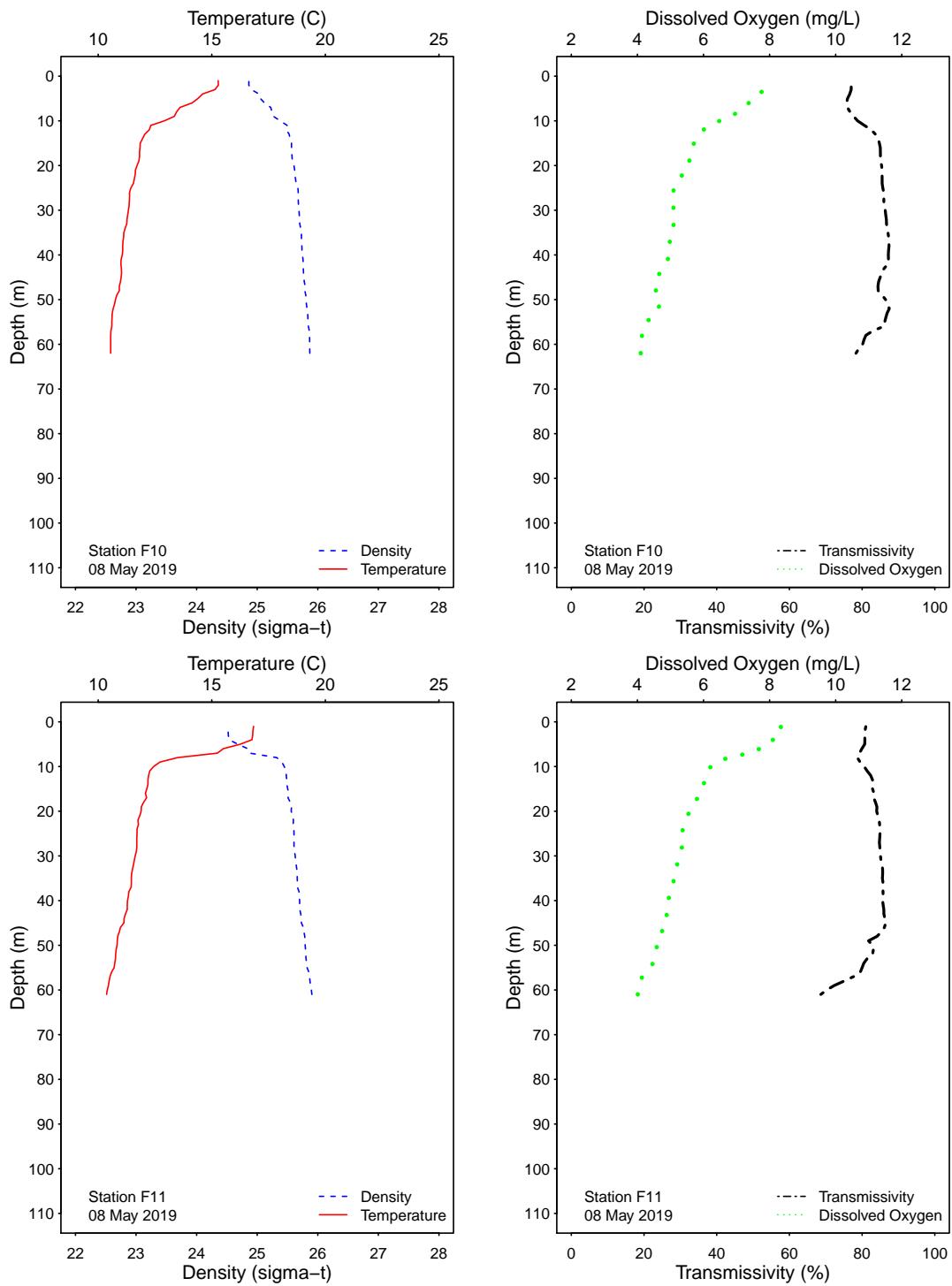


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

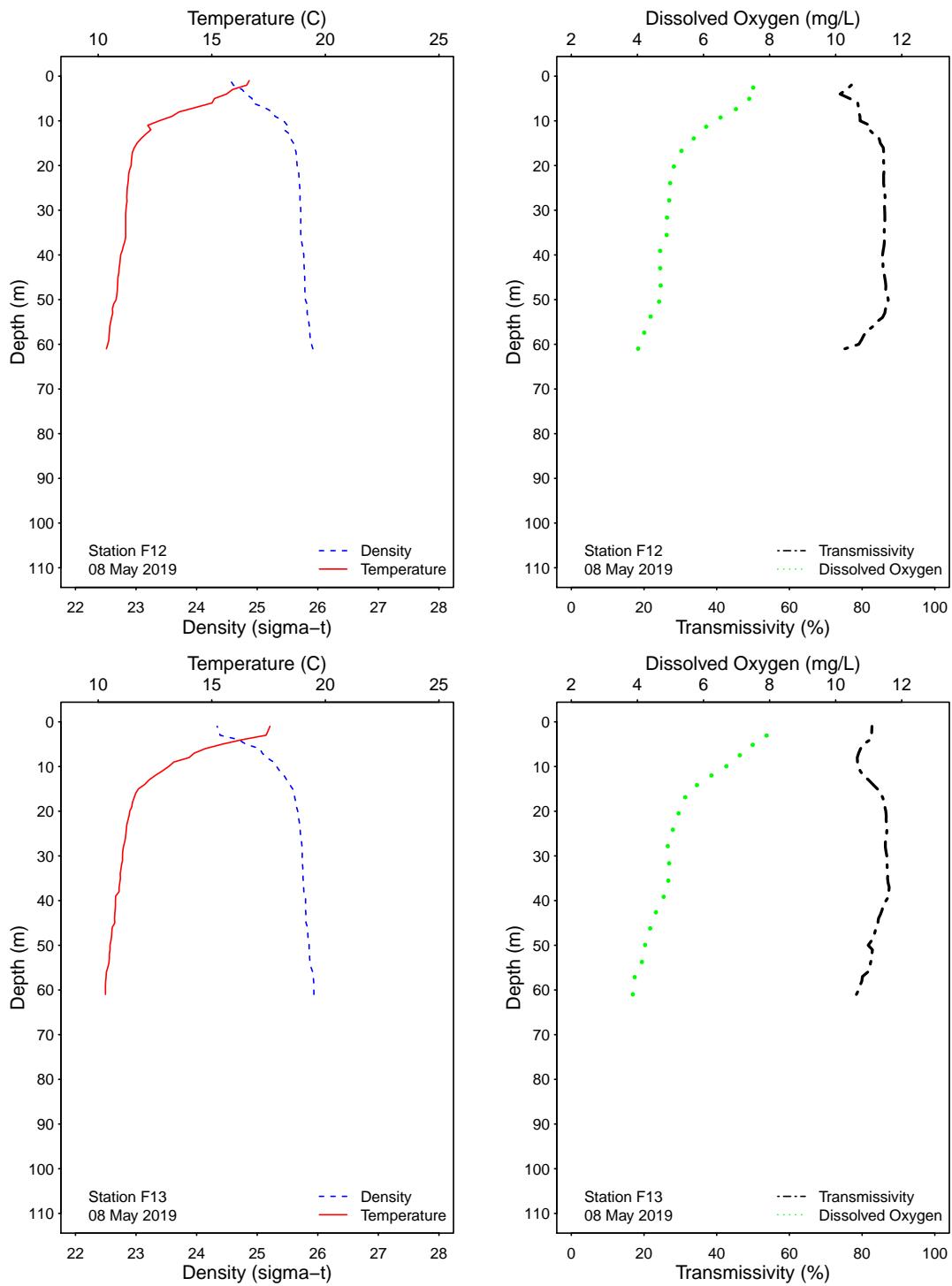


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

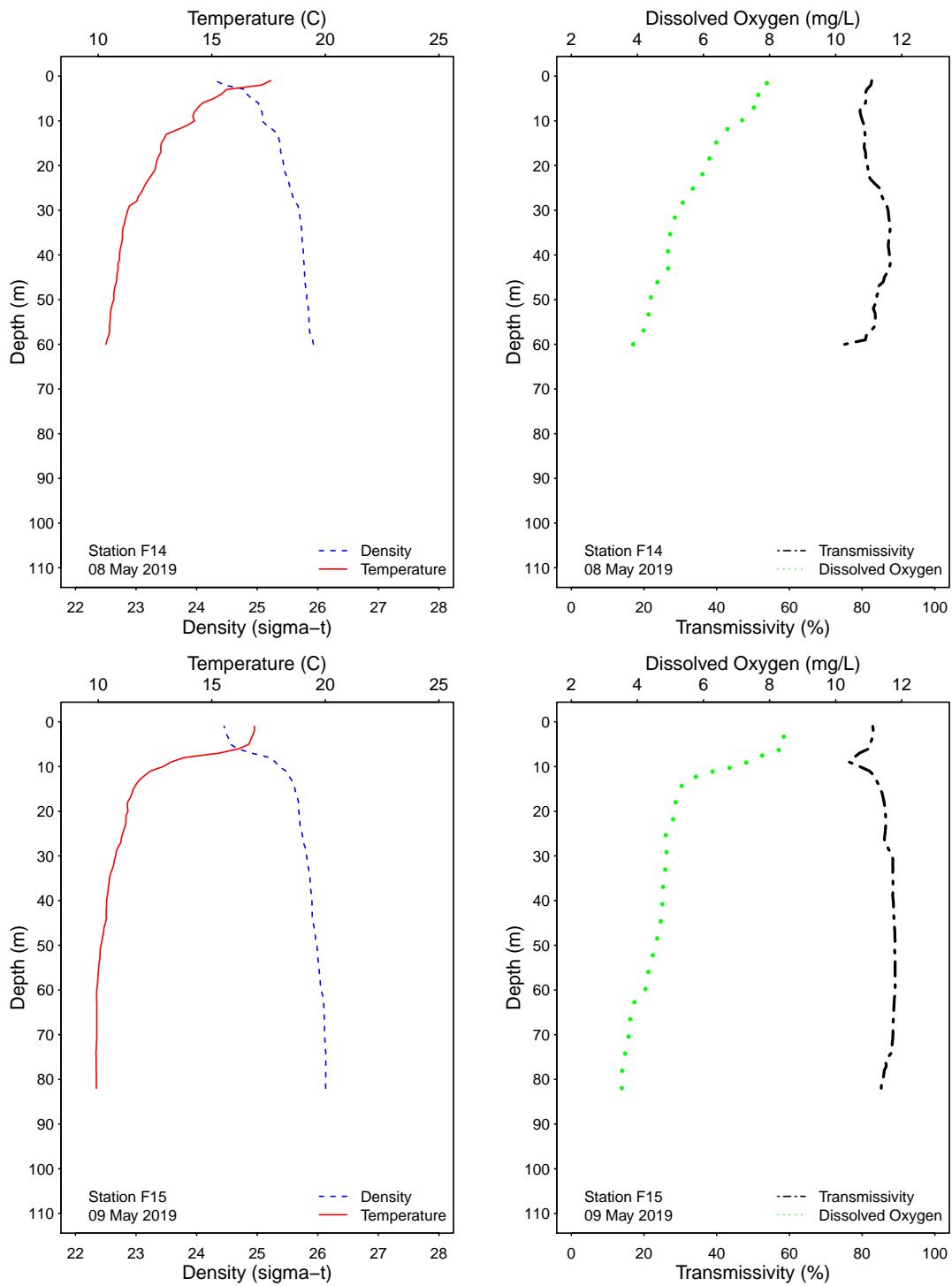


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

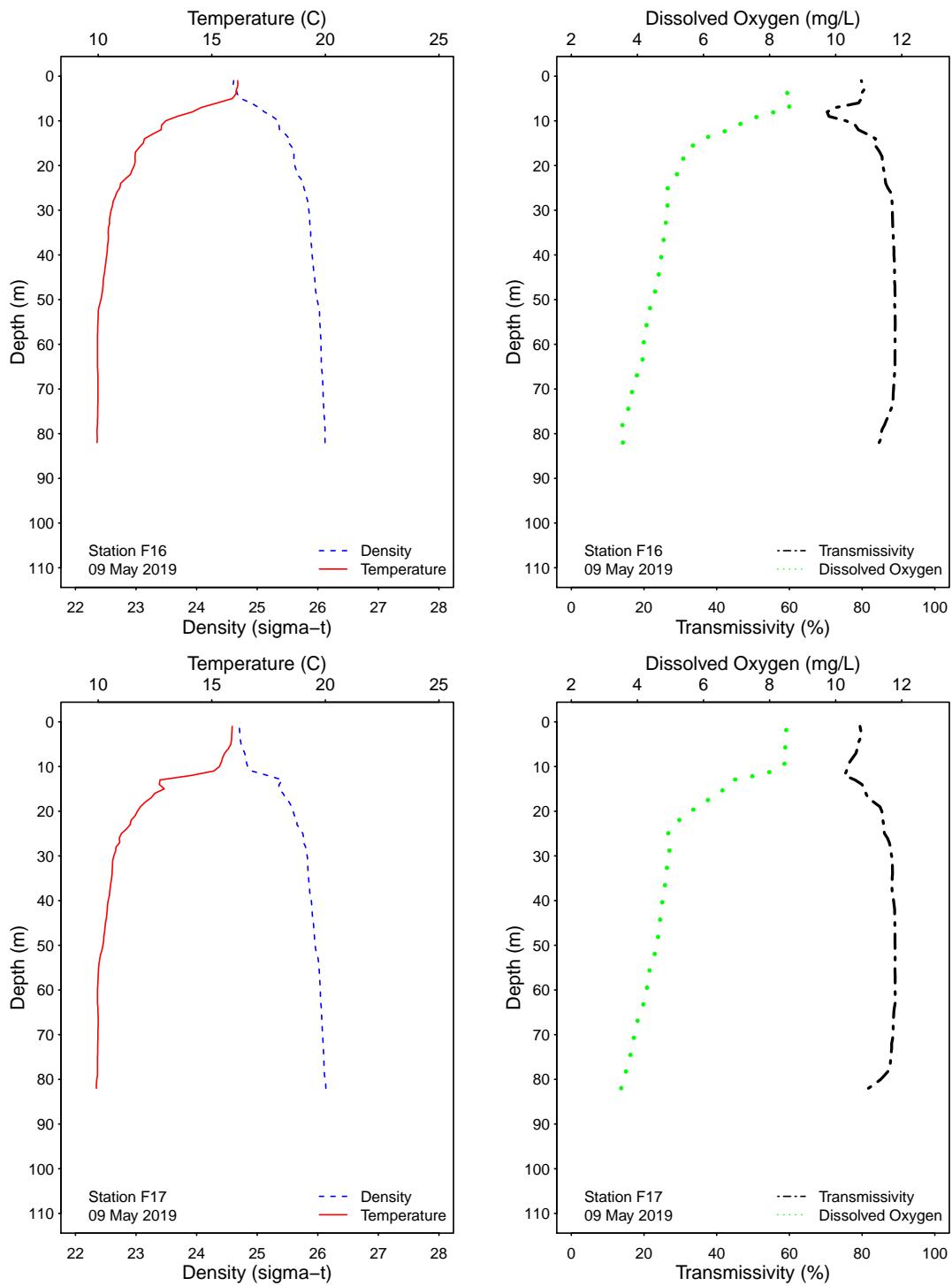


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

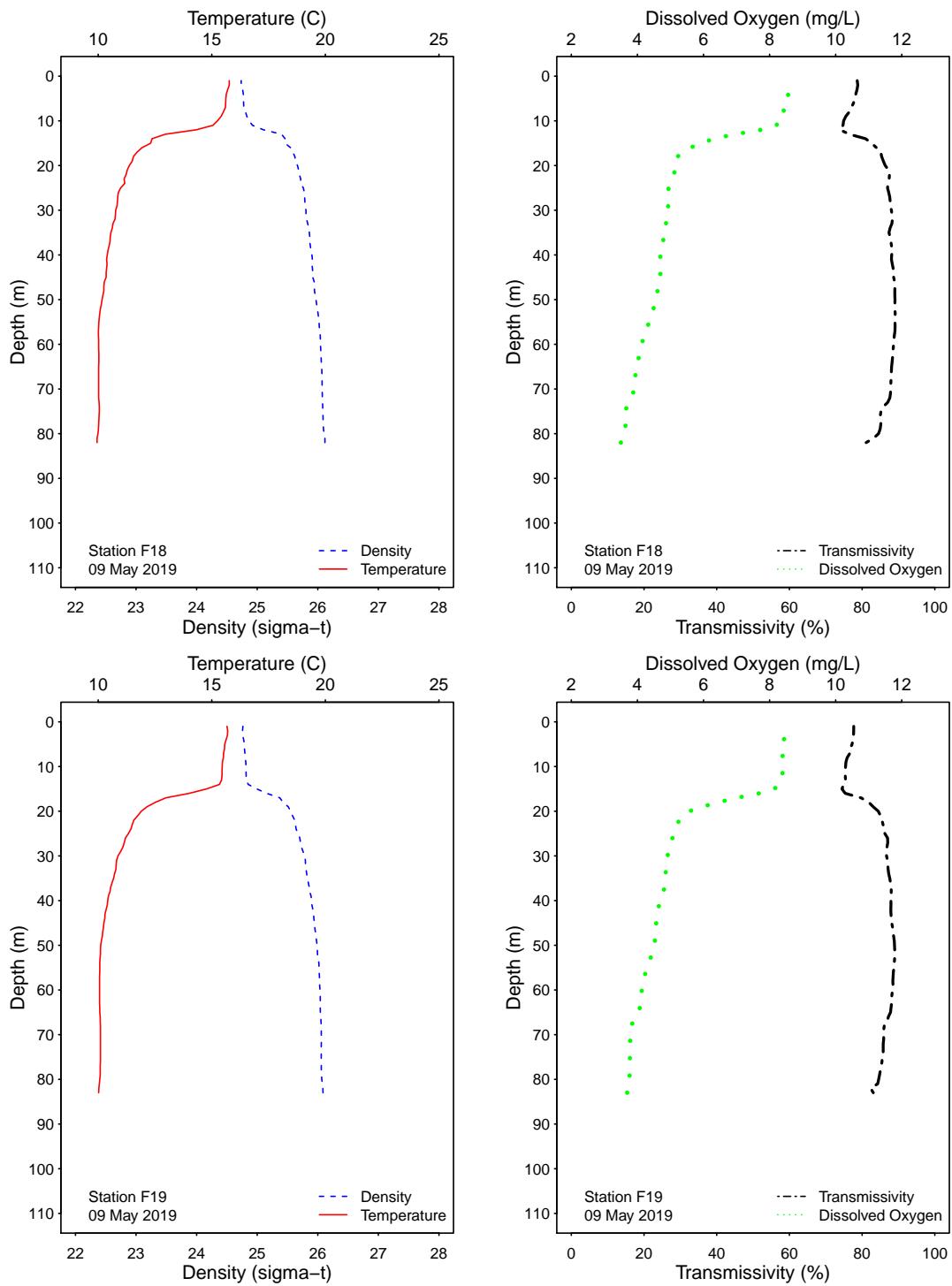


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

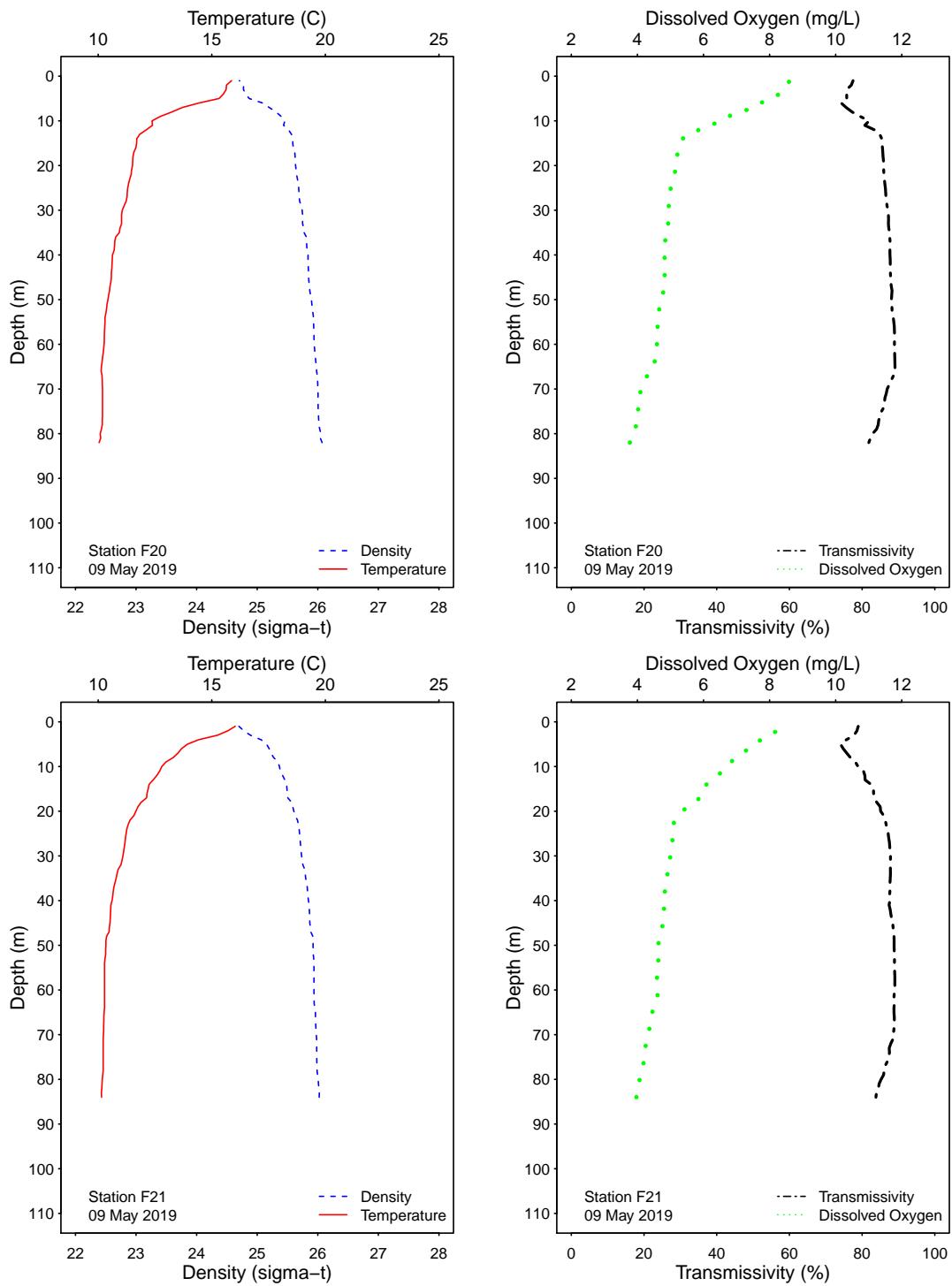


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

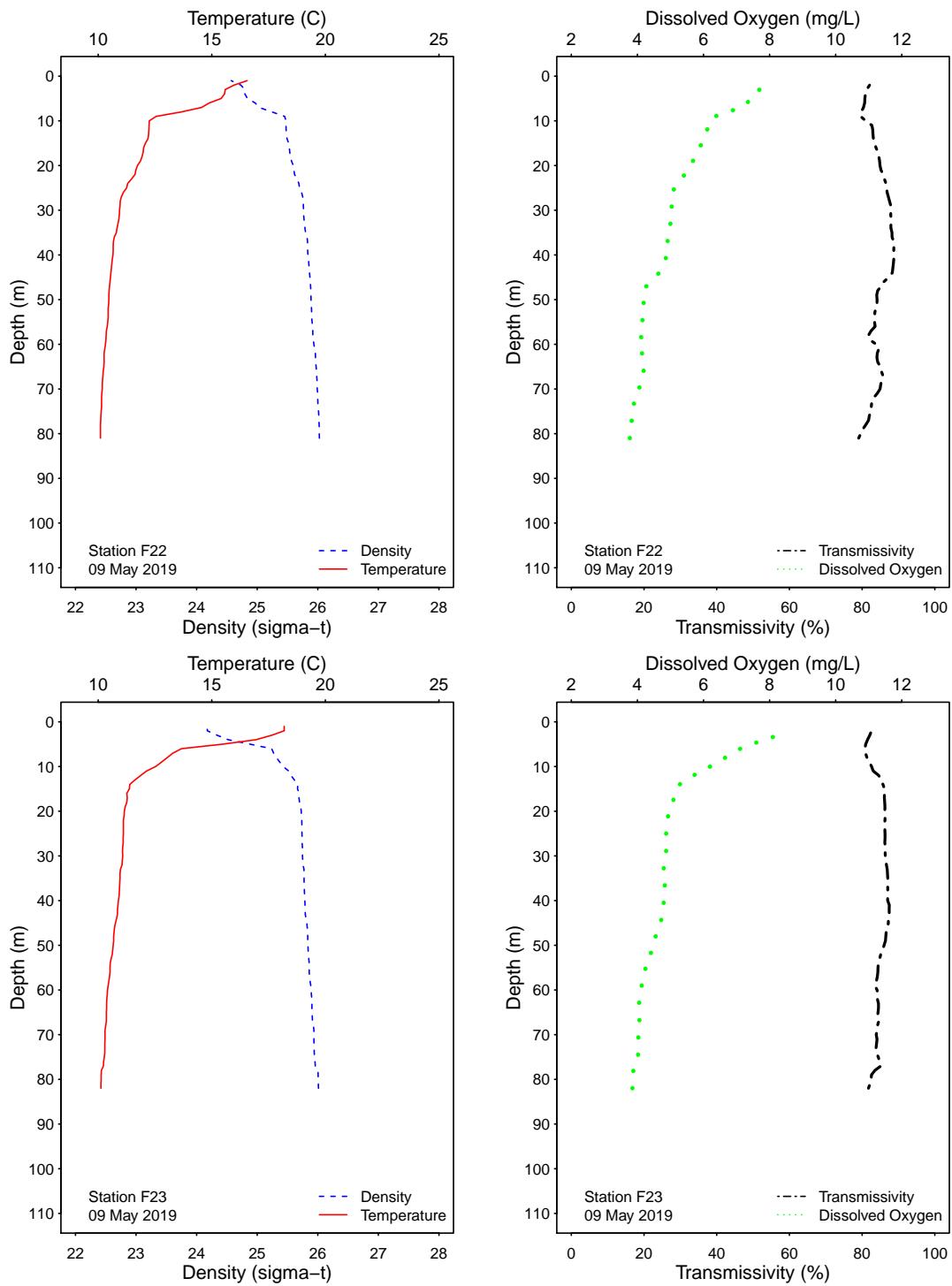


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

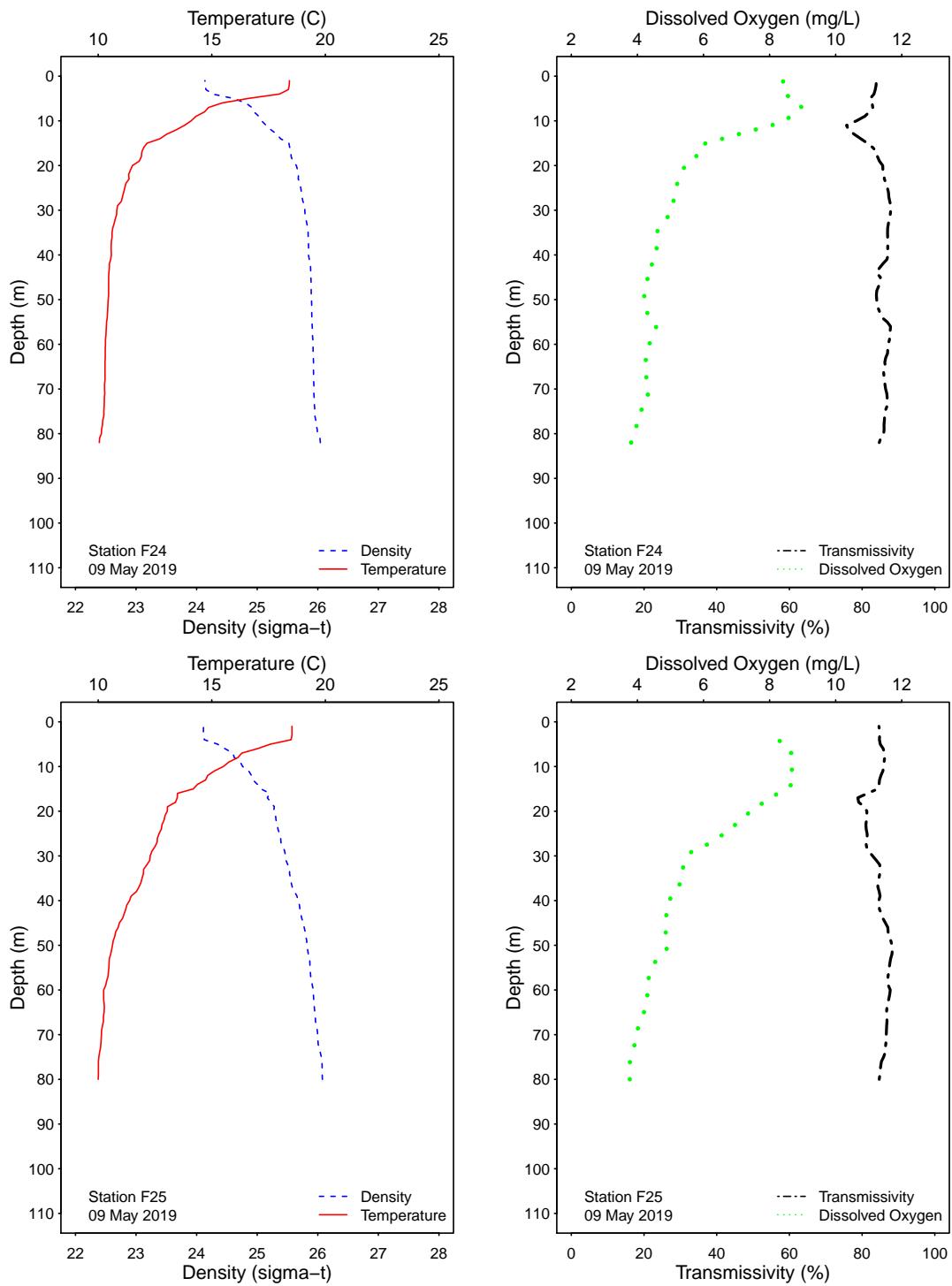


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

## APPENDIX A

### Quality Assurance



**Table A.1**

Summary of bacteriological quality assurance field and lab duplicate sample analyses at selected PLOO 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
A7	06 May 2019	18	AE	LAB DUPLICATE	4e	<2	<2
A7	13 May 2019	18	JLT	LAB DUPLICATE	2e	<2	<2
A7	23 May 2019	18	JF	LAB DUPLICATE	10e	<2	2e
A7	29 May 2019	18	AR	LAB DUPLICATE	2e	<2	<2
C7	06 May 2019	18	AE	LAB DUPLICATE	22e	<2	<2
C7	13 May 2019	18	AE	LAB DUPLICATE	<2	<2	<2
C7	23 May 2019	18	AE	LAB DUPLICATE	60e	20e	2e
C7	29 May 2019	18	JLT	LAB DUPLICATE	18e	6e	<2
C8	06 May 2019	12	JLT	LAB DUPLICATE	<2	<2	<2
C8	13 May 2019	12	AE	LAB DUPLICATE	<2	<2	<2
C8	23 May 2019	12	AE	LAB DUPLICATE	56	12e	<2
C8	29 May 2019	12	JF	LAB DUPLICATE	<2	<2	<2
D12	08 May 2019		JLT	FIELD DUPLICATE	<2	<2	26e
D12	08 May 2019		JLT	LAB DUPLICATE	<2	<2	10e
D12	15 May 2019		AE	FIELD DUPLICATE	<2	<2	<2
D12	15 May 2019		AE	LAB DUPLICATE	<2	<2	2e
D12	22 May 2019		AE	FIELD DUPLICATE	<200	<2	<2
D12	22 May 2019		JT	LAB DUPLICATE	<200	4e	<2
D12	29 May 2019		AR	FIELD DUPLICATE	<200	ns	ns
D12	29 May 2019		JT	FIELD DUPLICATE	ns	4e	10e
D12	29 May 2019		JT	LAB DUPLICATE	<200	12e	<2
F01	08 May 2019	12	AE	LAB DUPLICATE	ns	ns	<2
F02	08 May 2019	12	AE	LAB DUPLICATE	ns	ns	<2
F07	08 May 2019	60	JF	LAB DUPLICATE	ns	ns	32e
F08	08 May 2019	60	AR	LAB DUPLICATE	ns	ns	76
F11	08 May 2019	60	JLT	LAB DUPLICATE	ns	ns	10e
F17	09 May 2019	80	JLT	LAB DUPLICATE	ns	ns	2e
F18	09 May 2019	60	JLT	LAB DUPLICATE	ns	ns	2e
F19	09 May 2019	60	JLT	LAB DUPLICATE	ns	ns	6e
F20	09 May 2019	60	JLT	LAB DUPLICATE	ns	ns	2e
F21	09 May 2019	80	JLT	LAB DUPLICATE	ns	ns	18e
F28	07 May 2019	60	JF	LAB DUPLICATE	ns	ns	<2
F29	07 May 2019	60	AE	LAB DUPLICATE	ns	ns	2e
F30	07 May 2019	60	AE	LAB DUPLICATE	ns	ns	280e
F31	07 May 2019	80	JF	LAB DUPLICATE	ns	ns	360e
F32	07 May 2019	80	JF	LAB DUPLICATE	ns	ns	8e
F34	07 May 2019	60	AE	LAB DUPLICATE	ns	ns	6e

ns = not sampled

ND = no data

