



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 2018

Environmental Monitoring and Technical Services
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June 30, 2018

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 May 2018 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 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 Director, Public Utilities Department

TS/rjg

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

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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). However, station D8 was replaced by alternate station D8-A in June 2016 because of inaccessibility to the original site. Additionally, due to increasing instability in several cliffside areas off Point Loma, City staff have been unable to safely access and sample both D8-A and station D7 since February 7, 2018. Consequently, the City is working with the San Diego Water Board to identify new alternate sample locations until safe access can be restored to these two original sites. During March 2018, the City was able to identify a new alternate location for stations D8/D8-A. This new station, designated D8-B, is located about 150 feet north of D8-A. In contrast, no suitable alternate site with safe access has yet been determined for station D7. Thus, the City will continue to monitor conditions at station D7 while working with the Water Board to resolve the situation.

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 ≥ 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, chromomorphpic 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)^[1]. This document defines membrane filtration limits of 20–80 colonies per plate for total coliforms and 20–60 colonies per plate for fecal coliforms and *Enterococcus*. No Data (ND) is reported if plate counts from all dilutions have a total colony count of >200 per plate.

Results of the bacteriological analysis of seawater samples collected from each of the shore, kelp bed, and offshore stations located within State waters are assessed relative to the 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]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.

- (1) Total coliform density shall not exceed 1000 CFU/100 mL;
- (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 2018 Quality Assurance Report, which will be completed in March 2019.

SUMMARY OF RESULTS

Shore Stations

- During May, one of the eight shore stations was out of compliance with various California Ocean Plan (Ocean Plan) water-contact standards.
 - o The 30single sample maximum (SSM) standard for *Enterococcus* was exceeded at station D8-B on May 2.
- Per permit requirements, a resample was collected in response to this SSM standard exceedance (see Table 2.8 for details).
- 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 *Point Loma Ocean Outfall Annual Receiving Waters Monitoring and Assessment Report* for details (<http://www.sandiego.gov/mwwd/environment/oceanmonitor/reports/index.shtml>).
- Notable visual observations for May included: animal feces odor at station D9 on May 2.

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 7, 14, 21, 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 10.46 to 18.12°C during the month. The difference between surface and bottom waters ranged from 1.58 to 5.7°C, indicating that the water column was stratified at some of the kelp bed stations during the month.
- Chlorophyll *a* concentrations ranged from 0.11 to 8.66 µg/L during May, suggesting the presence of phytoplankton during the month.
- There were no notable visual observations for May.

Offshore Stations

- Quarterly offshore water quality sampling was conducted on May 1, 2, and 3
- During May, 3 of the 15 offshore stations located within State jurisdictional waters (i.e., F01–F03, F06–F14, F18–F20) were out of compliance with the relevant Ocean Plan single sample maximum standard for *Enterococcus*.
 - o The single sample maximum (SSM) standard for *Enterococcus* was exceeded at stations F18, F19, and F20 at the 60 m on May 3.
- All but 6 of the remaining 21 offshore stations were characterized by low densities of *Enterococcus* bacteria (i.e., <104 CFU/100 mL).
- Exceptions included stations F16, F26, F27, F28, F29, and F30 which exceeded the single sample maximum for *Enterococcus* at one or more depths on one or more days.
- During May, water column temperatures ranged from 9.54 to 15.78°C. The difference between surface and bottom waters ranged from 0.01 to 4.80°C, indicating that the water column was stratified at some of the offshore stations during the month.
- Chlorophyll *a* concentrations ranged from 0 to 3.2 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

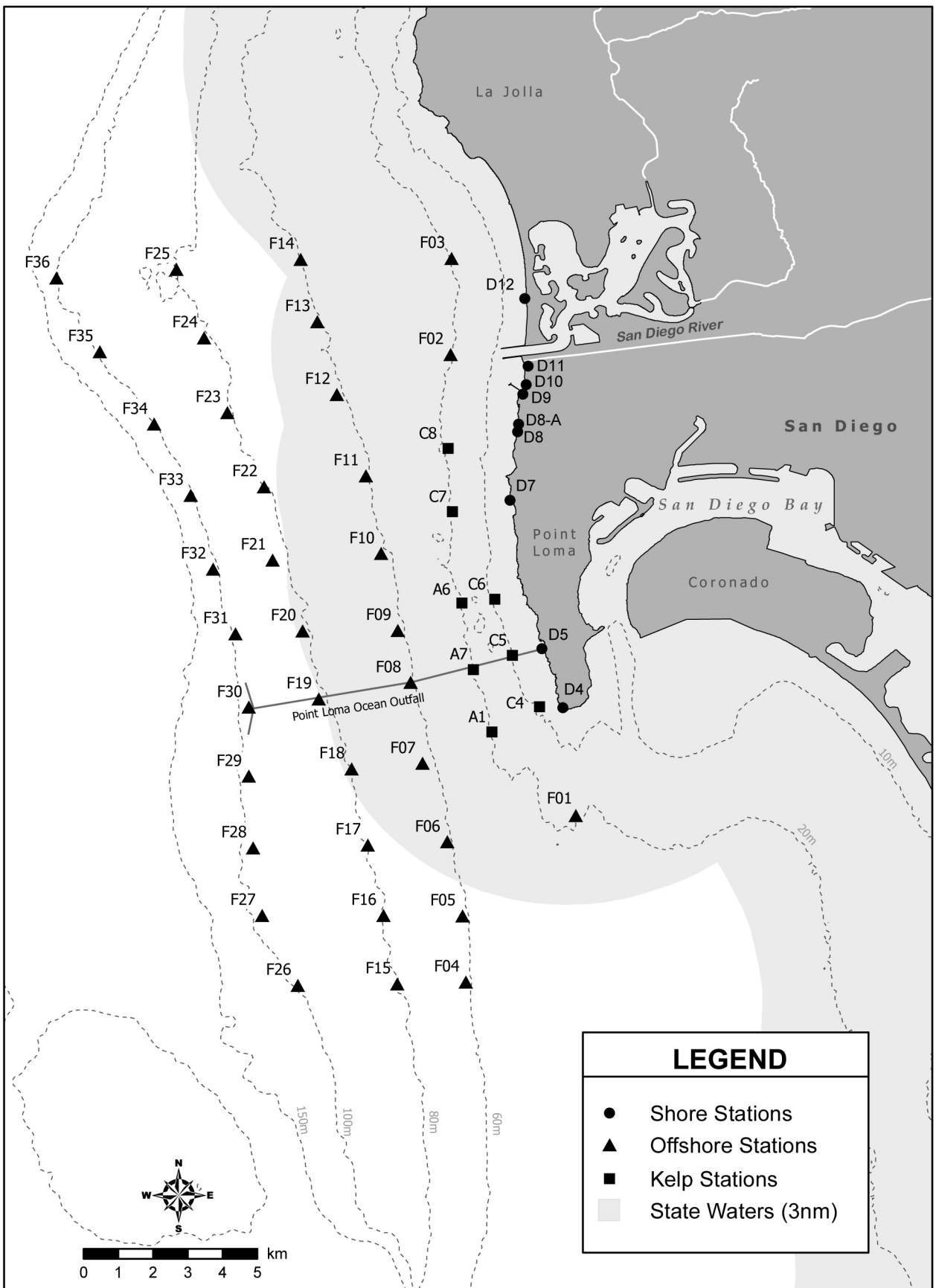


Figure 1.1 Station Map

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 2018	11*	15*	ns	50*	24*	26*	20*	4*
02 May 2018	12	16	ns	76	23	25	23	5
03 May 2018	12	16	ns	76	23	25	23	5
04 May 2018	19*	15*	ns	106*	24*	26*	24*	6*
05 May 2018	19*	15*	ns	106*	24*	26*	24*	6*
06 May 2018	19*	15*	ns	106*	24*	26*	24*	6*
07 May 2018	19*	15*	ns	106*	24*	26*	24*	6*
08 May 2018	19*	15*	ns	106*	24*	26*	24*	6*
09 May 2018	12	16	ns	76	21	25	23	5
10 May 2018	12	16	ns	76	21	25	23	5
11 May 2018	11*	15*	ns	60*	18*	20*	24*	4*
12 May 2018	11*	15*	ns	60*	18*	20*	24*	4*
13 May 2018	11*	15*	ns	60*	18*	20*	24*	4*
14 May 2018	11*	15*	ns	60*	18*	20*	24*	4*
15 May 2018	11*	15*	ns	60*	18*	20*	24*	4*
16 May 2018	12	16	ns	48	21	20	23	5
17 May 2018	12	16	ns	48	21	20	23	5
18 May 2018	11*	15*	ns	42*	21*	20*	24*	6*
19 May 2018	11*	15*	ns	42*	21*	20*	24*	6*
20 May 2018	11*	15*	ns	42*	21*	20*	24*	6*
21 May 2018	11*	15*	ns	42*	21*	20*	24*	6*
22 May 2018	11*	15*	ns	42*	21*	20*	24*	6*
23 May 2018	8	16	ns	36	21	19	23	5
24 May 2018	8	16	ns	36	21	19	23	5
25 May 2018	6*	20*	ns	42*	21*	19*	24*	6*
26 May 2018	6*	20*	ns	42*	21*	19*	24*	6*
27 May 2018	6*	20*	ns	42*	21*	19*	24*	6*
28 May 2018	6*	20*	ns	42*	21*	19*	24*	6*
29 May 2018	6*	20*	ns	42*	21*	19*	24*	6*
30 May 2018	8	20	ns	36	26	22	23	8
31 May 2018	8	20	ns	36	26	22	23	8

* Geometric mean calculated using n<5

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 2018	2*	2*	ns	4*	2*	4*	2*	2*
02 May 2018	2	2	ns	4	2	4	2	2
03 May 2018	2	2	ns	4	2	4	2	2
04 May 2018	2*	2*	ns	4*	2*	4*	2*	2*
05 May 2018	2*	2*	ns	4*	2*	4*	2*	2*
06 May 2018	2*	2*	ns	4*	2*	4*	2*	2*
07 May 2018	2*	2*	ns	4*	2*	4*	2*	2*
08 May 2018	2*	2*	ns	4*	2*	4*	2*	2*
09 May 2018	2	2	ns	4	2	4	2	2
10 May 2018	2	2	ns	4	2	4	2	2
11 May 2018	2*	2*	ns	3*	2*	2*	2*	2*
12 May 2018	2*	2*	ns	3*	2*	2*	2*	2*
13 May 2018	2*	2*	ns	3*	2*	2*	2*	2*
14 May 2018	2*	2*	ns	3*	2*	2*	2*	2*
15 May 2018	2*	2*	ns	3*	2*	2*	2*	2*
16 May 2018	2	2	ns	3	2	3	2	2
17 May 2018	2	2	ns	3	2	3	2	2
18 May 2018	2*	2*	ns	2*	2*	3*	2*	2*
19 May 2018	2*	2*	ns	2*	2*	3*	2*	2*
20 May 2018	2*	2*	ns	2*	2*	3*	2*	2*
21 May 2018	2*	2*	ns	2*	2*	3*	2*	2*
22 May 2018	2*	2*	ns	2*	2*	3*	2*	2*
23 May 2018	2	2	ns	2	2	3	2	2
24 May 2018	2	2	ns	2	2	3	2	2
25 May 2018	2*	2*	ns	2*	2*	3*	2*	2*
26 May 2018	2*	2*	ns	2*	2*	3*	2*	2*
27 May 2018	2*	2*	ns	2*	2*	3*	2*	2*
28 May 2018	2*	2*	ns	2*	2*	3*	2*	2*
29 May 2018	2*	2*	ns	2*	2*	3*	2*	2*
30 May 2018	2	2	ns	2	2	3	2	2
31 May 2018	2	2	ns	2	2	3	2	2

* Geometric mean calculated using n<5

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 2018	2*	2*	ns	2*	2*	2*	4*	2*
02 May 2018	2	2	ns	5	3	4	3	2
03 May 2018	2	2	ns	5	3	4	3	2
04 May 2018	2*	2*	ns	6	3*	4*	3*	2*
05 May 2018	2*	2*	ns	6	3*	4*	3*	2*
06 May 2018	2*	2*	ns	6	3*	4*	3*	2*
07 May 2018	2*	2*	ns	6	3*	4*	3*	2*
08 May 2018	2*	2*	ns	6	3*	4*	3*	2*
09 May 2018	2	2	ns	5	3	4	3	2
10 May 2018	2	2	ns	5	3	4	3	2
11 May 2018	2*	2*	ns	6	3*	4*	3*	2*
12 May 2018	2*	2*	ns	6	3*	4*	3*	2*
13 May 2018	2*	2*	ns	6	3*	4*	3*	2*
14 May 2018	2*	2*	ns	6	3*	4*	3*	2*
15 May 2018	2*	2*	ns	6	3*	4*	3*	2*
16 May 2018	2	2	ns	6	3	4	4	2
17 May 2018	2	2	ns	6	3	4	4	2
18 May 2018	2*	2*	ns	7	3*	4*	3*	2*
19 May 2018	2*	2*	ns	7	3*	4*	3*	2*
20 May 2018	2*	2*	ns	7	3*	4*	3*	2*
21 May 2018	2*	2*	ns	7	3*	4*	3*	2*
22 May 2018	2*	2*	ns	7	3*	4*	3*	2*
23 May 2018	2	2	ns	6	3	4	3	2
24 May 2018	2	2	ns	6	3	4	3	2
25 May 2018	2*	2*	ns	7	3*	4*	3*	2*
26 May 2018	2*	2*	ns	7	3*	4*	3*	2*
27 May 2018	2*	2*	ns	7	3*	4*	3*	2*
28 May 2018	2*	2*	ns	7	3*	4*	3*	2*
29 May 2018	2*	2*	ns	7	3*	4*	3*	2*
30 May 2018	2	2	ns	6	3	5	4	2
31 May 2018	2	2	ns	6	3	5	4	2

* Geometric mean calculated using n<5

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
02 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
09 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
16 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
23 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
30 May 2018	IC	IC	ns	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
02 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
09 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
16 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
23 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
30 May 2018	IC	IC	ns	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
02 May 2018	IC	IC	ns	E	IC	IC	IC	IC
03 May 2018	ns	ns	ns	IC	ns	ns	ns	ns
09 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
16 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
23 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
30 May 2018	IC	IC	ns	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
02 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
09 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
16 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
23 May 2018	IC	IC	ns	IC	IC	IC	IC	IC
30 May 2018	IC	IC	ns	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* (Entero) are reported as CFU/100 mL. The fecal:total coliform ratio (F:T) is unitless. Comments follow the data summary.

Station	Date	Time	Total	Fecal	Entero	F:T
D4	02 May 2018	839	<20	<2	<2	0.100
D4	09 May 2018	911	<2	<2	<2	1.000
D4	16 May 2018	834	20e	<2	<2	0.100
D4	23 May 2018	1018	<2	<2	<2	1.000
D4	30 May 2018	953	20e	<2	6e	0.100
D5	02 May 2018	825	<20	<2	2e	0.100
D5	09 May 2018	850	<20	<2	<2	0.100
D5	16 May 2018	824	20e	<2	<2	0.100
D5	23 May 2018	959	<20	<2	4e	0.100
D5	30 May 2018	1017	<20	2e	<2	0.100
D7	02 May 2018	902	ns	ns	ns	ns
D7	09 May 2018	934	ns	ns	ns	ns
D7	16 May 2018	853	ns	ns	ns	ns
D7	23 May 2018	929	ns	ns	ns	ns
D7	30 May 2018	925	ns	ns	ns	ns
D8-B	02 May 2018	912	400e	2e	120e	0.005
D8-B	03 May 2018	1252	ns	ns	10e	ns
D8-B	09 May 2018	946	20e	<2	<2	0.100
D8-B	16 May 2018	904	20e	<2	4e	0.100
D8-B	23 May 2018	911	<20	<2	<2	0.100
D8-B	30 May 2018	916	20e	2e	<2	0.100
D9	02 May 2018	921	<20	<2	18e	0.100
D9	09 May 2018	1002	12e	<2	<2	0.167
D9	16 May 2018	914	40e	<2	<2	0.050
D9	23 May 2018	854	20e	<2	<2	0.100
D9	30 May 2018	852	60e	2e	<2	0.033
D10	02 May 2018	933	<20	4e	34e	0.200
D10	09 May 2018	1011	<20	<2	<2	0.100
D10	16 May 2018	927	<20	8e	2e	0.400
D10	23 May 2018	843	16e	<2	<2	0.125
D10	30 May 2018	835	40e	2e	16e	0.050
D11	02 May 2018	955	40e	2e	2e	0.050
D11	09 May 2018	1020	<20	<2	<2	0.100
D11	16 May 2018	947	<20	2e	14e	0.100
D11	23 May 2018	824	<20	2e	<2	0.100

Station	Date	Time	Total	Fecal	Entero	F:T
D11	30 May 2018	822	20e	2e	12e	0.100
D12	02 May 2018	1017	20e	2e	4e	0.100
D12	09 May 2018	1050	<2	<2	<2	1.000
D12	16 May 2018	1053	<20	<2	2e	0.100
D12	23 May 2018	809	<2	<2	2e	1.000
D12	30 May 2018	800	<20	<2	2e	0.100

ns = not sampled

ND = no data

Comments

Station	Date	Depth	Parameter	Comments
D7	02 May 2018			Site inaccessible due unsafe conditions
D8-B	03 May 2018			Resample
D7	09 May 2018			Site inaccessible due to unsafe conditions.
D7	16 May 2018			Site inaccessible due to unsafe conditions.
D7	23 May 2018			Site inaccessible due to unsafe conditions.
D7	30 May 2018			Site inaccessible due to unsafe conditions.

Table 2.9

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

Station	Date	Parameter	Value
D4	02 May 2018	Arrive Time	839
D4	02 May 2018	Weather	Moderate Rain
D4	02 May 2018	Wind Speed (kts)	0
D4	02 May 2018	Wind Dir	
D4	02 May 2018	Animal Life	None
D4	02 May 2018	Floatables	None
D4	02 May 2018	Water Color	Green
D4	02 May 2018	Current Direction	S
D4	02 May 2018	Water Temp (C)	12
D4	02 May 2018	Wave Height Low (ft)	1
D4	02 May 2018	High Tide (ft)	3.6
D4	02 May 2018	High Tide Time	1146
D4	02 May 2018	Low Tide (ft)	-0.4
D4	02 May 2018	Low Tide Time	534
D4	02 May 2018	Comments	Water clear
D4	09 May 2018	Arrive Time	911
D4	09 May 2018	Weather	Overcast
D4	09 May 2018	Wind Speed (kts)	5.3
D4	09 May 2018	Wind Dir	SW
D4	09 May 2018	Animal Life	None
D4	09 May 2018	Floatables	None
D4	09 May 2018	Water Color	Green
D4	09 May 2018	Current Direction	N
D4	09 May 2018	Water Temp (C)	16
D4	09 May 2018	Wave Height Low (ft)	2
D4	09 May 2018	High Tide (ft)	3.7
D4	09 May 2018	High Tide Time	510
D4	09 May 2018	Low Tide (ft)	2.3
D4	09 May 2018	Low Tide Time	2352
D4	09 May 2018	Comments	Kelp; Seagrass; Water clear
D4	16 May 2018	Arrive Time	834
D4	16 May 2018	Weather	Cloudy
D4	16 May 2018	Wind Speed (kts)	3.6
D4	16 May 2018	Wind Dir	W
D4	16 May 2018	Animal Life	None
D4	16 May 2018	Floatables	None
D4	16 May 2018	Water Color	Green
D4	16 May 2018	Current Direction	N
D4	16 May 2018	Water Temp (C)	14
D4	16 May 2018	Wave Height Low (ft)	2
D4	16 May 2018	High Tide (ft)	4
D4	16 May 2018	High Tide Time	1054
D4	16 May 2018	Low Tide (ft)	-1.1
D4	16 May 2018	Low Tide Time	441
D4	16 May 2018	Comments	Kelp; Seagrass; Algae; Water clear
D4	23 May 2018	Arrive Time	1018
D4	23 May 2018	Weather	Cloudy
D4	23 May 2018	Wind Speed (kts)	1.9

Station	Date	Parameter	Value
D4	23 May 2018	Wind Dir	W
D4	23 May 2018	Animal Life	None
D4	23 May 2018	Floatables	None
D4	23 May 2018	Water Color	Green
D4	23 May 2018	Current Direction	N
D4	23 May 2018	Water Temp (C)	15
D4	23 May 2018	Wave Height Low (ft)	2
D4	23 May 2018	High Tide (ft)	4.1
D4	23 May 2018	High Tide Time	457
D4	23 May 2018	Low Tide (ft)	0.2
D4	23 May 2018	Low Tide Time	1140
D4	23 May 2018	Comments	Kelp; Seagrass; Water clear
D4	30 May 2018	Arrive Time	953
D4	30 May 2018	Weather	Cloudy
D4	30 May 2018	Wind Speed (kts)	4
D4	30 May 2018	Wind Dir	SW
D4	30 May 2018	Animal Life	None
D4	30 May 2018	Floatables	None
D4	30 May 2018	Water Color	Green
D4	30 May 2018	Current Direction	SW
D4	30 May 2018	Water Temp (C)	
D4	30 May 2018	Wave Height Low (ft)	4
D4	30 May 2018	High Tide (ft)	3.7
D4	30 May 2018	High Tide Time	1056
D4	30 May 2018	Low Tide (ft)	-0.6
D4	30 May 2018	Low Tide Time	442
D4	30 May 2018	Comments	Kelp; Seagrass; 2 Persons; Water temperature not recorded by human error
D5	02 May 2018	Arrive Time	825
D5	02 May 2018	Weather	Moderate Rain
D5	02 May 2018	Wind Speed (kts)	0
D5	02 May 2018	Wind Dir	
D5	02 May 2018	Animal Life	None
D5	02 May 2018	Floatables	None
D5	02 May 2018	Water Color	Green
D5	02 May 2018	Current Direction	S
D5	02 May 2018	Water Temp (C)	13
D5	02 May 2018	Wave Height Low (ft)	2
D5	02 May 2018	High Tide (ft)	3.6
D5	02 May 2018	High Tide Time	1146
D5	02 May 2018	Low Tide (ft)	-0.4
D5	02 May 2018	Low Tide Time	534
D5	02 May 2018	Comments	Kelp; Water clear
D5	09 May 2018	Arrive Time	850
D5	09 May 2018	Weather	Overcast
D5	09 May 2018	Wind Speed (kts)	3.5
D5	09 May 2018	Wind Dir	S
D5	09 May 2018	Animal Life	None
D5	09 May 2018	Floatables	None
D5	09 May 2018	Water Color	Green
D5	09 May 2018	Current Direction	N
D5	09 May 2018	Water Temp (C)	16

Station	Date	Parameter	Value
D5	09 May 2018	Wave Height Low (ft)	1
D5	09 May 2018	High Tide (ft)	3.7
D5	09 May 2018	High Tide Time	510
D5	09 May 2018	Low Tide (ft)	0.6
D5	09 May 2018	Low Tide Time	2
D5	09 May 2018	Comments	Algae; Water clear
D5	16 May 2018	Arrive Time	824
D5	16 May 2018	Weather	Cloudy
D5	16 May 2018	Wind Speed (kts)	2.2
D5	16 May 2018	Wind Dir	W
D5	16 May 2018	Animal Life	None
D5	16 May 2018	Floatables	None
D5	16 May 2018	Water Color	Green
D5	16 May 2018	Current Direction	N
D5	16 May 2018	Water Temp (C)	14
D5	16 May 2018	Wave Height Low (ft)	2
D5	16 May 2018	High Tide (ft)	4
D5	16 May 2018	High Tide Time	1054
D5	16 May 2018	Low Tide (ft)	-1.1
D5	16 May 2018	Low Tide Time	441
D5	16 May 2018	Comments	Kelp; Seagrass; Algae; Water clear
D5	23 May 2018	Arrive Time	959
D5	23 May 2018	Weather	Cloudy
D5	23 May 2018	Wind Speed (kts)	1.9
D5	23 May 2018	Wind Dir	W
D5	23 May 2018	Animal Life	None
D5	23 May 2018	Floatables	None
D5	23 May 2018	Water Color	Green
D5	23 May 2018	Current Direction	N
D5	23 May 2018	Water Temp (C)	15
D5	23 May 2018	Wave Height Low (ft)	2
D5	23 May 2018	High Tide (ft)	4.1
D5	23 May 2018	High Tide Time	457
D5	23 May 2018	Low Tide (ft)	0.2
D5	23 May 2018	Low Tide Time	1140
D5	23 May 2018	Comments	Kelp; Seagrass; Water clear
D5	30 May 2018	Arrive Time	1017
D5	30 May 2018	Weather	Cloudy
D5	30 May 2018	Wind Speed (kts)	4
D5	30 May 2018	Wind Dir	SW
D5	30 May 2018	Animal Life	None
D5	30 May 2018	Floatables	None
D5	30 May 2018	Water Color	Green
D5	30 May 2018	Current Direction	SW
D5	30 May 2018	Water Temp (C)	
D5	30 May 2018	Wave Height Low (ft)	3
D5	30 May 2018	High Tide (ft)	3.7
D5	30 May 2018	High Tide Time	1056
D5	30 May 2018	Low Tide (ft)	-0.6
D5	30 May 2018	Low Tide Time	442
D5	30 May 2018	Comments	Kelp; Seagrass; Water turbid; Water temperature not recorded by human error

Station	Date	Parameter	Value
D7	02 May 2018	Arrive Time	902
D7	02 May 2018	Weather	Moderate Rain
D7	02 May 2018	Wind Speed (kts)	3.7
D7	02 May 2018	Wind Dir	W
D7	02 May 2018	Animal Life	None
D7	02 May 2018	Floatables	None
D7	02 May 2018	Water Color	Green
D7	02 May 2018	Current Direction	W
D7	02 May 2018	Water Temp (C)	
D7	02 May 2018	Wave Height Low (ft)	3
D7	02 May 2018	High Tide (ft)	3.6
D7	02 May 2018	High Tide Time	1146
D7	02 May 2018	Low Tide (ft)	-0.4
D7	02 May 2018	Low Tide Time	534
D7	02 May 2018	Comments	Water clear; Site inaccessible due to unsafe condition
D7	09 May 2018	Arrive Time	934
D7	09 May 2018	Weather	Partly Cloudy
D7	09 May 2018	Wind Speed (kts)	1.2
D7	09 May 2018	Wind Dir	N
D7	09 May 2018	Animal Life	None
D7	09 May 2018	Floatables	None
D7	09 May 2018	Water Color	Green
D7	09 May 2018	Current Direction	N
D7	09 May 2018	Water Temp (C)	0
D7	09 May 2018	Wave Height Low (ft)	2
D7	09 May 2018	High Tide (ft)	3.7
D7	09 May 2018	High Tide Time	510
D7	09 May 2018	Low Tide (ft)	0.6
D7	09 May 2018	Low Tide Time	2
D7	09 May 2018	Comments	Site inaccessible due to unsafe condition
D7	16 May 2018	Arrive Time	853
D7	16 May 2018	Weather	Cloudy
D7	16 May 2018	Wind Speed (kts)	2
D7	16 May 2018	Wind Dir	W
D7	16 May 2018	Animal Life	None
D7	16 May 2018	Floatables	None
D7	16 May 2018	Water Color	Green
D7	16 May 2018	Current Direction	N
D7	16 May 2018	Water Temp (C)	
D7	16 May 2018	Wave Height Low (ft)	2
D7	16 May 2018	High Tide (ft)	4
D7	16 May 2018	High Tide Time	1054
D7	16 May 2018	Low Tide (ft)	-1.1
D7	16 May 2018	Low Tide Time	441
D7	16 May 2018	Comments	Site inaccessible due to unsafe condition; Kelp; Seagrass; Water clear
D7	23 May 2018	Arrive Time	929
D7	23 May 2018	Weather	Cloudy
D7	23 May 2018	Wind Speed (kts)	2.2
D7	23 May 2018	Wind Dir	SW
D7	23 May 2018	Animal Life	None

Station	Date	Parameter	Value
D7	23 May 2018	Floatables	None
D7	23 May 2018	Water Color	Green
D7	23 May 2018	Current Direction	N
D7	23 May 2018	Water Temp (C)	15
D7	23 May 2018	Wave Height Low (ft)	3
D7	23 May 2018	High Tide (ft)	4.1
D7	23 May 2018	High Tide Time	457
D7	23 May 2018	Low Tide (ft)	0.2
D7	23 May 2018	Low Tide Time	1140
D7	23 May 2018	Comments	Kelp; Seagrass; 4 Persons; Water clear
D7	30 May 2018	Arrive Time	925
D7	30 May 2018	Weather	Cloudy
D7	30 May 2018	Wind Speed (kts)	5
D7	30 May 2018	Wind Dir	SW
D7	30 May 2018	Animal Life	None
D7	30 May 2018	Floatables	None
D7	30 May 2018	Water Color	Green
D7	30 May 2018	Current Direction	SW
D7	30 May 2018	Water Temp (C)	
D7	30 May 2018	Wave Height Low (ft)	4
D7	30 May 2018	High Tide (ft)	3.7
D7	30 May 2018	High Tide Time	1056
D7	30 May 2018	Low Tide (ft)	-0.6
D7	30 May 2018	Low Tide Time	442
D7	30 May 2018	Comments	Site inaccessible due to unsafe condition; Kelp; Seagrass; 2 Surfers
D8-B	02 May 2018	Arrive Time	912
D8-B	02 May 2018	Weather	Cloudy
D8-B	02 May 2018	Wind Speed (kts)	1.5
D8-B	02 May 2018	Wind Dir	W
D8-B	02 May 2018	Animal Life	None
D8-B	02 May 2018	Floatables	None
D8-B	02 May 2018	Water Color	Green
D8-B	02 May 2018	Current Direction	W
D8-B	02 May 2018	Water Temp (C)	12
D8-B	02 May 2018	Wave Height Low (ft)	3
D8-B	02 May 2018	High Tide (ft)	3.6
D8-B	02 May 2018	High Tide Time	1146
D8-B	02 May 2018	Low Tide (ft)	-0.4
D8-B	02 May 2018	Low Tide Time	534
D8-B	02 May 2018	Comments	Kelp; Water clear
D8-B	03 May 2018	Arrive Time	1252
D8-B	03 May 2018	Weather	Sunny
D8-B	03 May 2018	Wind Speed (kts)	6.5
D8-B	03 May 2018	Wind Dir	N
D8-B	03 May 2018	Animal Life	None
D8-B	03 May 2018	Floatables	None
D8-B	03 May 2018	Water Color	Brown
D8-B	03 May 2018	Current Direction	N
D8-B	03 May 2018	Water Temp (C)	17
D8-B	03 May 2018	Wave Height Low (ft)	3
D8-B	03 May 2018	High Tide (ft)	4.8

Station	Date	Parameter	Value
D8-B	03 May 2018	High Tide Time	2330
D8-B	03 May 2018	Low Tide (ft)	2.1
D8-B	03 May 2018	Low Tide Time	1721
D8-B	03 May 2018	Comments	Resample; Kelp; Seagrass; Water turbid
D8-B	09 May 2018	Arrive Time	946
D8-B	09 May 2018	Weather	Sunny
D8-B	09 May 2018	Wind Speed (kts)	5.3
D8-B	09 May 2018	Wind Dir	NW
D8-B	09 May 2018	Animal Life	None
D8-B	09 May 2018	Floatables	None
D8-B	09 May 2018	Water Color	Green
D8-B	09 May 2018	Current Direction	N
D8-B	09 May 2018	Water Temp (C)	16
D8-B	09 May 2018	Wave Height Low (ft)	2
D8-B	09 May 2018	High Tide (ft)	3.7
D8-B	09 May 2018	High Tide Time	510
D8-B	09 May 2018	Low Tide (ft)	0.6
D8-B	09 May 2018	Low Tide Time	2
D8-B	09 May 2018	Comments	Kelp; Seagrass; Algae; Water clear
D8-B	16 May 2018	Arrive Time	904
D8-B	16 May 2018	Weather	Cloudy
D8-B	16 May 2018	Wind Speed (kts)	6.8
D8-B	16 May 2018	Wind Dir	W
D8-B	16 May 2018	Animal Life	None
D8-B	16 May 2018	Floatables	None
D8-B	16 May 2018	Water Color	Green
D8-B	16 May 2018	Current Direction	N
D8-B	16 May 2018	Water Temp (C)	13
D8-B	16 May 2018	Wave Height Low (ft)	2
D8-B	16 May 2018	High Tide (ft)	4
D8-B	16 May 2018	High Tide Time	1054
D8-B	16 May 2018	Low Tide (ft)	-1.1
D8-B	16 May 2018	Low Tide Time	441
D8-B	16 May 2018	Comments	Kelp; Seagrass; Algae; Water clear
D8-B	23 May 2018	Arrive Time	911
D8-B	23 May 2018	Weather	Cloudy
D8-B	23 May 2018	Wind Speed (kts)	5.8
D8-B	23 May 2018	Wind Dir	SW
D8-B	23 May 2018	Animal Life	None
D8-B	23 May 2018	Floatables	None
D8-B	23 May 2018	Water Color	Green
D8-B	23 May 2018	Current Direction	N
D8-B	23 May 2018	Water Temp (C)	15
D8-B	23 May 2018	Wave Height Low (ft)	3
D8-B	23 May 2018	High Tide (ft)	4.1
D8-B	23 May 2018	High Tide Time	457
D8-B	23 May 2018	Low Tide (ft)	0.2
D8-B	23 May 2018	Low Tide Time	1140
D8-B	23 May 2018	Comments	Kelp; Seagrass; Water clear
D8-B	30 May 2018	Arrive Time	916
D8-B	30 May 2018	Weather	Cloudy

Station	Date	Parameter	Value
D8-B	30 May 2018	Wind Speed (kts)	3
D8-B	30 May 2018	Wind Dir	SW
D8-B	30 May 2018	Animal Life	None
D8-B	30 May 2018	Floatables	None
D8-B	30 May 2018	Water Color	Green
D8-B	30 May 2018	Current Direction	SW
D8-B	30 May 2018	Water Temp (C)	
D8-B	30 May 2018	Wave Height Low (ft)	3
D8-B	30 May 2018	High Tide (ft)	3.7
D8-B	30 May 2018	High Tide Time	1056
D8-B	30 May 2018	Low Tide (ft)	-0.6
D8-B	30 May 2018	Low Tide Time	442
D8-B	30 May 2018	Comments	Kelp; Seagrass; Water turbid; Water temperature not recorded by human error
D9	02 May 2018	Arrive Time	921
D9	02 May 2018	Weather	Cloudy
D9	02 May 2018	Wind Speed (kts)	0
D9	02 May 2018	Wind Dir	
D9	02 May 2018	Animal Life	None
D9	02 May 2018	Floatables	Foam
D9	02 May 2018	Water Color	Green
D9	02 May 2018	Current Direction	W
D9	02 May 2018	Water Temp (C)	13
D9	02 May 2018	Wave Height Low (ft)	3
D9	02 May 2018	High Tide (ft)	3.6
D9	02 May 2018	High Tide Time	1146
D9	02 May 2018	Low Tide (ft)	-0.4
D9	02 May 2018	Low Tide Time	534
D9	02 May 2018	Comments	Water clear; Animal feces like odor
D9	09 May 2018	Arrive Time	1002
D9	09 May 2018	Weather	Sunny
D9	09 May 2018	Wind Speed (kts)	5
D9	09 May 2018	Wind Dir	S
D9	09 May 2018	Animal Life	None
D9	09 May 2018	Floatables	None
D9	09 May 2018	Water Color	Green
D9	09 May 2018	Current Direction	N
D9	09 May 2018	Water Temp (C)	17
D9	09 May 2018	Wave Height Low (ft)	2
D9	09 May 2018	High Tide (ft)	3.7
D9	09 May 2018	High Tide Time	510
D9	09 May 2018	Low Tide (ft)	0.6
D9	09 May 2018	Low Tide Time	2
D9	09 May 2018	Comments	Kelp; Seagrass; Algae; Water clear
D9	16 May 2018	Arrive Time	914
D9	16 May 2018	Weather	Cloudy
D9	16 May 2018	Wind Speed (kts)	6.8
D9	16 May 2018	Wind Dir	W
D9	16 May 2018	Animal Life	None
D9	16 May 2018	Floatables	None
D9	16 May 2018	Water Color	Green
D9	16 May 2018	Current Direction	N

Station	Date	Parameter	Value
D9	16 May 2018	Water Temp (C)	14
D9	16 May 2018	Wave Height Low (ft)	3
D9	16 May 2018	High Tide (ft)	4
D9	16 May 2018	High Tide Time	1054
D9	16 May 2018	Low Tide (ft)	-1.1
D9	16 May 2018	Low Tide Time	441
D9	16 May 2018	Comments	Kelp; Seagrass; Algae; Water clear
D9	23 May 2018	Arrive Time	854
D9	23 May 2018	Weather	Cloudy
D9	23 May 2018	Wind Speed (kts)	5.3
D9	23 May 2018	Wind Dir	W
D9	23 May 2018	Animal Life	None
D9	23 May 2018	Floatables	None
D9	23 May 2018	Water Color	Green
D9	23 May 2018	Current Direction	N
D9	23 May 2018	Water Temp (C)	15
D9	23 May 2018	Wave Height Low (ft)	3
D9	23 May 2018	High Tide (ft)	4.1
D9	23 May 2018	High Tide Time	457
D9	23 May 2018	Low Tide (ft)	0.2
D9	23 May 2018	Low Tide Time	1140
D9	23 May 2018	Comments	Kelp; Seagrass; Water clear
D9	30 May 2018	Arrive Time	852
D9	30 May 2018	Weather	Cloudy
D9	30 May 2018	Wind Speed (kts)	3
D9	30 May 2018	Wind Dir	SW
D9	30 May 2018	Animal Life	None
D9	30 May 2018	Floatables	None
D9	30 May 2018	Water Color	Green
D9	30 May 2018	Current Direction	SW
D9	30 May 2018	Water Temp (C)	
D9	30 May 2018	Wave Height Low (ft)	3
D9	30 May 2018	High Tide (ft)	3.7
D9	30 May 2018	High Tide Time	1056
D9	30 May 2018	Low Tide (ft)	-0.6
D9	30 May 2018	Low Tide Time	442
D9	30 May 2018	Comments	Kelp; Seagrass; Algae; Water turbid; Water temperature not recorded by human error
D10	02 May 2018	Arrive Time	933
D10	02 May 2018	Weather	Cloudy
D10	02 May 2018	Wind Speed (kts)	0
D10	02 May 2018	Wind Dir	
D10	02 May 2018	Animal Life	1 Shorebird
D10	02 May 2018	Floatables	Foam
D10	02 May 2018	Water Color	Green
D10	02 May 2018	Current Direction	
D10	02 May 2018	Water Temp (C)	13
D10	02 May 2018	Wave Height Low (ft)	3
D10	02 May 2018	High Tide (ft)	3.6
D10	02 May 2018	High Tide Time	1146
D10	02 May 2018	Low Tide (ft)	-0.4
D10	02 May 2018	Low Tide Time	534

Station	Date	Parameter	Value
D10	02 May 2018	Comments	Kelp; Seagrass; Water clear
D10	09 May 2018	Arrive Time	1011
D10	09 May 2018	Weather	Sunny
D10	09 May 2018	Wind Speed (kts)	6.1
D10	09 May 2018	Wind Dir	SW
D10	09 May 2018	Animal Life	None
D10	09 May 2018	Floatables	None
D10	09 May 2018	Water Color	Green
D10	09 May 2018	Current Direction	N
D10	09 May 2018	Water Temp (C)	15
D10	09 May 2018	Wave Height Low (ft)	2
D10	09 May 2018	High Tide (ft)	3.7
D10	09 May 2018	High Tide Time	510
D10	09 May 2018	Low Tide (ft)	2.3
D10	09 May 2018	Low Tide Time	2352
D10	09 May 2018	Comments	Kelp; Seagrass; 2 Surfers; Water clear
D10	16 May 2018	Arrive Time	927
D10	16 May 2018	Weather	Cloudy
D10	16 May 2018	Wind Speed (kts)	3.8
D10	16 May 2018	Wind Dir	W
D10	16 May 2018	Animal Life	None
D10	16 May 2018	Floatables	None
D10	16 May 2018	Water Color	Green
D10	16 May 2018	Current Direction	N
D10	16 May 2018	Water Temp (C)	15
D10	16 May 2018	Wave Height Low (ft)	3
D10	16 May 2018	High Tide (ft)	4
D10	16 May 2018	High Tide Time	1054
D10	16 May 2018	Low Tide (ft)	-1.1
D10	16 May 2018	Low Tide Time	441
D10	16 May 2018	Comments	Kelp; Seagrass; 9 Surfers; Water clear
D10	23 May 2018	Arrive Time	843
D10	23 May 2018	Weather	Cloudy
D10	23 May 2018	Wind Speed (kts)	5
D10	23 May 2018	Wind Dir	W
D10	23 May 2018	Animal Life	None
D10	23 May 2018	Floatables	None
D10	23 May 2018	Water Color	Green
D10	23 May 2018	Current Direction	N
D10	23 May 2018	Water Temp (C)	15
D10	23 May 2018	Wave Height Low (ft)	4
D10	23 May 2018	High Tide (ft)	4.1
D10	23 May 2018	High Tide Time	457
D10	23 May 2018	Low Tide (ft)	0.2
D10	23 May 2018	Low Tide Time	1140
D10	23 May 2018	Comments	Kelp; Seagrass; Water clear
D10	30 May 2018	Arrive Time	835
D10	30 May 2018	Weather	Cloudy
D10	30 May 2018	Wind Speed (kts)	4
D10	30 May 2018	Wind Dir	SW
D10	30 May 2018	Animal Life	None

Station	Date	Parameter	Value
D10	30 May 2018	Floatables	None
D10	30 May 2018	Water Color	Green
D10	30 May 2018	Current Direction	SW
D10	30 May 2018	Water Temp (C)	
D10	30 May 2018	Wave Height Low (ft)	3
D10	30 May 2018	High Tide (ft)	3.7
D10	30 May 2018	High Tide Time	1056
D10	30 May 2018	Low Tide (ft)	-0.6
D10	30 May 2018	Low Tide Time	442
D10	30 May 2018	Comments	Kelp; Seagrass; 13 Surfers; Water turbid; Water temperature not recorded by human error
D11	02 May 2018	Arrive Time	955
D11	02 May 2018	Weather	Cloudy
D11	02 May 2018	Wind Speed (kts)	0
D11	02 May 2018	Wind Dir	
D11	02 May 2018	Animal Life	1 Dog
D11	02 May 2018	Floatables	Foam
D11	02 May 2018	Water Color	Green
D11	02 May 2018	Current Direction	
D11	02 May 2018	Water Temp (C)	14
D11	02 May 2018	Wave Height Low (ft)	3
D11	02 May 2018	High Tide (ft)	3.6
D11	02 May 2018	High Tide Time	1146
D11	02 May 2018	Low Tide (ft)	-0.4
D11	02 May 2018	Low Tide Time	534
D11	02 May 2018	Comments	Kelp; Seagrass; 4 Persons; Water clear
D11	09 May 2018	Arrive Time	1020
D11	09 May 2018	Weather	Sunny
D11	09 May 2018	Wind Speed (kts)	5.3
D11	09 May 2018	Wind Dir	E
D11	09 May 2018	Animal Life	1 Dog
D11	09 May 2018	Floatables	None
D11	09 May 2018	Water Color	Green
D11	09 May 2018	Current Direction	E
D11	09 May 2018	Water Temp (C)	18
D11	09 May 2018	Wave Height Low (ft)	2
D11	09 May 2018	High Tide (ft)	3.7
D11	09 May 2018	High Tide Time	510
D11	09 May 2018	Low Tide (ft)	0.6
D11	09 May 2018	Low Tide Time	2
D11	09 May 2018	Comments	Seagrass; Algae; 2 Persons; 2 Surfers; Water clear
D11	16 May 2018	Arrive Time	947
D11	16 May 2018	Weather	Cloudy
D11	16 May 2018	Wind Speed (kts)	2.6
D11	16 May 2018	Wind Dir	W
D11	16 May 2018	Animal Life	None
D11	16 May 2018	Floatables	None
D11	16 May 2018	Water Color	Green
D11	16 May 2018	Current Direction	N
D11	16 May 2018	Water Temp (C)	15
D11	16 May 2018	Wave Height Low (ft)	3
D11	16 May 2018	High Tide (ft)	4

Station	Date	Parameter	Value
D11	16 May 2018	High Tide Time	1054
D11	16 May 2018	Low Tide (ft)	-1.1
D11	16 May 2018	Low Tide Time	441
D11	16 May 2018	Comments	Kelp; Seagrass; Water clear
D11	23 May 2018	Arrive Time	824
D11	23 May 2018	Weather	Cloudy
D11	23 May 2018	Wind Speed (kts)	4.8
D11	23 May 2018	Wind Dir	W
D11	23 May 2018	Animal Life	None
D11	23 May 2018	Floatables	None
D11	23 May 2018	Water Color	Green
D11	23 May 2018	Current Direction	N
D11	23 May 2018	Water Temp (C)	15
D11	23 May 2018	Wave Height Low (ft)	3
D11	23 May 2018	High Tide (ft)	4.1
D11	23 May 2018	High Tide Time	457
D11	23 May 2018	Low Tide (ft)	0.2
D11	23 May 2018	Low Tide Time	1140
D11	23 May 2018	Comments	Kelp; Seagrass; Water clear
D11	30 May 2018	Arrive Time	822
D11	30 May 2018	Weather	Cloudy
D11	30 May 2018	Wind Speed (kts)	5
D11	30 May 2018	Wind Dir	SW
D11	30 May 2018	Animal Life	None
D11	30 May 2018	Floatables	None
D11	30 May 2018	Water Color	Green
D11	30 May 2018	Current Direction	SW
D11	30 May 2018	Water Temp (C)	
D11	30 May 2018	Wave Height Low (ft)	2
D11	30 May 2018	High Tide (ft)	3.7
D11	30 May 2018	High Tide Time	1056
D11	30 May 2018	Low Tide (ft)	-0.6
D11	30 May 2018	Low Tide Time	442
D11	30 May 2018	Comments	Kelp; Seagrass; 3 Surfers; Water turbid; Water temperature not recorded by human error
D12	02 May 2018	Arrive Time	1017
D12	02 May 2018	Weather	Partly Cloudy
D12	02 May 2018	Wind Speed (kts)	2.9
D12	02 May 2018	Wind Dir	W
D12	02 May 2018	Animal Life	20 Shorebirds
D12	02 May 2018	Floatables	Foam
D12	02 May 2018	Water Color	Green
D12	02 May 2018	Current Direction	W
D12	02 May 2018	Water Temp (C)	15
D12	02 May 2018	Wave Height Low (ft)	3
D12	02 May 2018	High Tide (ft)	3.6
D12	02 May 2018	High Tide Time	1146
D12	02 May 2018	Low Tide (ft)	-0.4
D12	02 May 2018	Low Tide Time	534
D12	02 May 2018	Comments	Kelp; Seagrass; 6 Persons; 1 Tractor; Water clear
D12	09 May 2018	Arrive Time	1050

Station	Date	Parameter	Value
D12	09 May 2018	Weather	Sunny
D12	09 May 2018	Wind Speed (kts)	4
D12	09 May 2018	Wind Dir	N
D12	09 May 2018	Animal Life	None
D12	09 May 2018	Floatables	None
D12	09 May 2018	Water Color	Green
D12	09 May 2018	Current Direction	N
D12	09 May 2018	Water Temp (C)	15
D12	09 May 2018	Wave Height Low (ft)	2
D12	09 May 2018	High Tide (ft)	3.7
D12	09 May 2018	High Tide Time	510
D12	09 May 2018	Low Tide (ft)	2.3
D12	09 May 2018	Low Tide Time	2352
D12	09 May 2018	Comments	Seagrass; 1 Jogger; 8 Persons; 2 Surfers; Water clear
D12	16 May 2018	Arrive Time	1053
D12	16 May 2018	Weather	Cloudy
D12	16 May 2018	Wind Speed (kts)	4.2
D12	16 May 2018	Wind Dir	W
D12	16 May 2018	Animal Life	None
D12	16 May 2018	Floatables	None
D12	16 May 2018	Water Color	Green
D12	16 May 2018	Current Direction	N
D12	16 May 2018	Water Temp (C)	15
D12	16 May 2018	Wave Height Low (ft)	3
D12	16 May 2018	High Tide (ft)	4
D12	16 May 2018	High Tide Time	1054
D12	16 May 2018	Low Tide (ft)	1.3
D12	16 May 2018	Low Tide Time	1609
D12	16 May 2018	Comments	Kelp; Seagrass; Water clear
D12	23 May 2018	Arrive Time	809
D12	23 May 2018	Weather	Cloudy
D12	23 May 2018	Wind Speed (kts)	5.2
D12	23 May 2018	Wind Dir	W
D12	23 May 2018	Animal Life	None
D12	23 May 2018	Floatables	None
D12	23 May 2018	Water Color	Green
D12	23 May 2018	Current Direction	N
D12	23 May 2018	Water Temp (C)	15
D12	23 May 2018	Wave Height Low (ft)	3
D12	23 May 2018	High Tide (ft)	4.1
D12	23 May 2018	High Tide Time	457
D12	23 May 2018	Low Tide (ft)	0.2
D12	23 May 2018	Low Tide Time	1140
D12	23 May 2018	Comments	Kelp; Seagrass; Water clear
D12	30 May 2018	Arrive Time	800
D12	30 May 2018	Weather	Cloudy
D12	30 May 2018	Wind Speed (kts)	4
D12	30 May 2018	Wind Dir	SW
D12	30 May 2018	Animal Life	None
D12	30 May 2018	Floatables	None
D12	30 May 2018	Water Color	Green
D12	30 May 2018	Current Direction	SW

Station	Date	Parameter	Value
D12	30 May 2018	Water Temp (C)	
D12	30 May 2018	Wave Height Low (ft)	2
D12	30 May 2018	High Tide (ft)	3.7
D12	30 May 2018	High Tide Time	1056
D12	30 May 2018	Low Tide (ft)	-0.6
D12	30 May 2018	Low Tide Time	442
D12	30 May 2018	Comments	Kelp; Seagrass; Water turbid; Water temperature not recorded by human error

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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 2018	11	11	8	7	7	5	11	7
02 May 2018	17*	17*	11*	9*	10*	6*	15*	9*
03 May 2018	17*	17*	11*	9*	10*	6*	15*	9*
04 May 2018	17*	17*	11*	9*	10*	6*	15*	9*
05 May 2018	17*	17*	11*	9*	10*	6*	15*	9*
06 May 2018	17*	17*	11*	9*	10*	6*	15*	9*
07 May 2018	12	14	8	7	7	5	10	7
08 May 2018	12	14	8	7	7	5	10	7
09 May 2018	8*	9*	6*	4*	5*	4*	9*	6*
10 May 2018	8*	9*	6*	4*	5*	4*	9*	6*
11 May 2018	8*	9*	6*	4*	5*	4*	9*	6*
12 May 2018	8*	9*	6*	4*	5*	4*	9*	6*
13 May 2018	8*	9*	6*	4*	5*	4*	9*	6*
14 May 2018	6	7	5	4	5	3	7	7
15 May 2018	6	7	5	4	5	3	7	7
16 May 2018	3*	3*	2*	3*	3*	2*	3*	3*
17 May 2018	3*	3*	2*	3*	3*	2*	3*	3*
18 May 2018	3*	3*	2*	3*	3*	2*	3*	3*
19 May 2018	3*	3*	2*	3*	3*	2*	3*	3*
20 May 2018	3*	3*	2*	3*	3*	2*	3*	3*
21 May 2018	3	3	3	4	3	2	4	3
22 May 2018	3	3	3	4	3	2	4	3
23 May 2018	3*	3*	3*	5*	2*	2*	3*	3*
24 May 2018	3*	3*	3*	5*	2*	2*	3*	3*
25 May 2018	3*	3*	3*	5*	2*	2*	3*	3*
26 May 2018	3*	3*	3*	5*	2*	2*	3*	3*
27 May 2018	3*	3*	3*	5*	2*	2*	3*	3*
28 May 2018	3*	3*	3*	5*	2*	2*	3*	3*
29 May 2018	3	3	3	5	2	2	4	3
30 May 2018	3*	4*	4*	5*	2*	2*	5*	3*
31 May 2018	3*	4*	4*	5*	2*	2*	5*	3*

* 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 2018	3	3	3	3	2	2	2	3
02 May 2018	3*	3*	3*	3*	2*	2*	2*	3*
03 May 2018	3*	3*	3*	3*	2*	2*	2*	3*
04 May 2018	3*	3*	3*	3*	2*	2*	2*	3*
05 May 2018	3*	3*	3*	3*	2*	2*	2*	3*
06 May 2018	3*	3*	3*	3*	2*	2*	2*	3*
07 May 2018	3	3	3	3	2	2	2	3
08 May 2018	3	3	3	3	2	2	2	3
09 May 2018	2*	3*	3*	2*	2*	2*	2*	3*
10 May 2018	2*	3*	3*	2*	2*	2*	2*	3*
11 May 2018	2*	3*	3*	2*	2*	2*	2*	3*
12 May 2018	2*	3*	3*	2*	2*	2*	2*	3*
13 May 2018	2*	3*	3*	2*	2*	2*	2*	3*
14 May 2018	2	3	3	2	2	2	2	3
15 May 2018	2	3	3	2	2	2	2	3
16 May 2018	2*	2*	2*	2*	2*	2*	2*	2*
17 May 2018	2*	2*	2*	2*	2*	2*	2*	2*
18 May 2018	2*	2*	2*	2*	2*	2*	2*	2*
19 May 2018	2*	2*	2*	2*	2*	2*	2*	2*
20 May 2018	2*	2*	2*	2*	2*	2*	2*	2*
21 May 2018	2	2	2	2	2	2	2	2
22 May 2018	2	2	2	2	2	2	2	2
23 May 2018	2*	2*	2*	2*	2*	2*	3*	2*
24 May 2018	2*	2*	2*	2*	2*	2*	3*	2*
25 May 2018	2*	2*	2*	2*	2*	2*	3*	2*
26 May 2018	2*	2*	2*	2*	2*	2*	3*	2*
27 May 2018	2*	2*	2*	2*	2*	2*	3*	2*
28 May 2018	2*	2*	2*	2*	2*	2*	3*	2*
29 May 2018	2	2	2	2	2	2	3	2
30 May 2018	2*	2*	2*	2*	2*	2*	3*	2*
31 May 2018	2*	2*	2*	2*	2*	2*	3*	2*

* 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 2018	3	2	2	2	2	2	2	3
02 May 2018	3*	3*	3*	2*	2*	2*	3*	3*
03 May 2018	3*	3*	3*	2*	2*	2*	3*	3*
04 May 2018	3*	3*	3*	2*	2*	2*	3*	3*
05 May 2018	3*	3*	3*	2*	2*	2*	3*	3*
06 May 2018	3*	3*	3*	2*	2*	2*	3*	3*
07 May 2018	3	2	2	2	2	2	2	3
08 May 2018	3	2	2	2	2	2	2	3
09 May 2018	3*	3*	3*	2*	2*	2*	3*	3*
10 May 2018	3*	3*	3*	2*	2*	2*	3*	3*
11 May 2018	3*	3*	3*	2*	2*	2*	3*	3*
12 May 2018	3*	3*	3*	2*	2*	2*	3*	3*
13 May 2018	3*	3*	3*	2*	2*	2*	3*	3*
14 May 2018	2	2	2	2	2	2	2	3
15 May 2018	2	2	2	2	2	2	2	3
16 May 2018	2*	2*	2*	2*	2*	2*	2*	2*
17 May 2018	2*	2*	2*	2*	2*	2*	2*	2*
18 May 2018	2*	2*	2*	2*	2*	2*	2*	2*
19 May 2018	2*	2*	2*	2*	2*	2*	2*	2*
20 May 2018	2*	2*	2*	2*	2*	2*	2*	2*
21 May 2018	2	2	2	2	2	2	3	2
22 May 2018	2	2	2	2	2	2	3	2
23 May 2018	2*	2*	3*	2*	2*	2*	3*	2*
24 May 2018	2*	2*	3*	2*	2*	2*	3*	2*
25 May 2018	2*	2*	3*	2*	2*	2*	3*	2*
26 May 2018	2*	2*	3*	2*	2*	2*	3*	2*
27 May 2018	2*	2*	3*	2*	2*	2*	3*	2*
28 May 2018	2*	2*	3*	2*	2*	2*	3*	2*
29 May 2018	2	2	2	2	2	2	3	2
30 May 2018	2*	2*	3*	2*	2*	2*	3*	2*
31 May 2018	2*	2*	3*	2*	2*	2*	3*	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
07 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
14 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
21 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
29 May 2018	IC	IC	IC	IC	IC	IC	IC	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
07 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
14 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
21 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
29 May 2018	IC	IC	IC	IC	IC	IC	IC	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
07 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
14 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
21 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
29 May 2018	IC	IC	IC	IC	IC	IC	IC	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
07 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
14 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
21 May 2018	IC	IC	IC	IC	IC	IC	IC	IC
29 May 2018	IC	IC	IC	IC	IC	IC	IC	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* (Entero) 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	Entero	F:T	Temp	XMS	DO	Sal	pH
A1	07 May 2018	906	1	2e	<2	<2	1.0	14.6	81.05	8.6	33.68	8.2
A1	07 May 2018	906	12	<2	<2	<2	1.0	10.5	87.09	3.7	33.74	7.7
A1	07 May 2018	906	18	8e	<2	<2	0.2	10.5	87.22	3.7	33.74	7.7
A1	14 May 2018	851	1	<2	<2	<2	1.0	16.5	72.16	8.8	33.68	8.2
A1	14 May 2018	851	12	4e	<2	<2	0.5	15.5	76.29	9.6	33.67	8.2
A1	14 May 2018	851	18	<2	<2	<2	1.0	14.4	79.39	9.3	33.65	8.2
A1	21 May 2018	747	1	4e	<2	<2	0.5	15.7	74.40	8.9	33.64	8.2
A1	21 May 2018	747	12	6e	<2	<2	0.3	15.6	75.80	8.8	33.66	8.2
A1	21 May 2018	747	18	<2	<2	<2	1.0	12.6	78.20	6.1	33.70	8.0
A1	29 May 2018	758	1	<2	<2	<2	1.0	15.4	74.96	7.9	33.64	8.1
A1	29 May 2018	758	12	<2	<2	<2	1.0	11.4	86.11	4.2	33.62	7.8
A1	29 May 2018	758	18	2e	<2	2e	1.0	11.0	86.83	4.4	33.65	7.8
A6	07 May 2018	949	1	6e	<2	<2	0.3	15.3	81.04	9.3	33.63	8.2
A6	07 May 2018	949	12	8e	<2	<2	0.2	10.6	87.97	4.1	33.70	7.8
A6	07 May 2018	949	18	2e	<2	<2	1.0	10.5	86.99	3.6	33.75	7.7
A6	14 May 2018	920	1	<2	<2	<2	1.0	17.2	79.81	9.2	33.66	8.2
A6	14 May 2018	920	12	<2	<2	<2	1.0	14.1	69.45	8.3	33.63	8.1
A6	14 May 2018	920	18	<2	<2	<2	1.0	13.7	78.84	7.4	33.64	8.1
A6	21 May 2018	816	1	<2	<2	<2	1.0	15.8	73.05	8.7	33.66	8.2
A6	21 May 2018	816	12	<2	<2	<2	1.0	15.3	73.51	8.5	33.65	8.2
A6	21 May 2018	816	18	<2	<2	<2	1.0	14.8	72.25	8.1	33.66	8.1
A6	29 May 2018	825	1	<2	<2	<2	1.0	16.1	75.46	8.1	33.65	8.1
A6	29 May 2018	825	12	6e	<2	<2	0.3	11.4	86.36	4.2	33.63	7.8
A6	29 May 2018	825	18	16e	<2	<2	0.1	11.3	86.93	3.8	33.66	7.8
A7	07 May 2018	923	1	<2	<2	<2	1.0	15.1	76.63	8.9	33.63	8.2
A7	07 May 2018	923	12	<2	<2	<2	1.0	10.7	87.76	4.2	33.69	7.8
A7	07 May 2018	923	18	<2	<2	<2	1.0	10.5	87.13	3.6	33.75	7.7
A7	14 May 2018	906	1	<2	<2	<2	1.0	17.0	77.85	8.9	33.54	8.2
A7	14 May 2018	906	12	2e	<2	<2	1.0	14.7	70.87	8.4	33.78	8.2
A7	14 May 2018	906	18	<2	<2	<2	1.0	14.2	78.75	8.8	33.66	8.2
A7	21 May 2018	801	1	18e	2e	12e	0.1	15.8	76.81	8.9	33.64	8.2
A7	21 May 2018	801	12	4e	<2	4e	0.5	15.7	72.25	8.8	33.65	8.2
A7	21 May 2018	801	18	2e	<2	<2	1.0	13.8	78.64	7.1	33.66	8.1
A7	29 May 2018	812	1	2e	<2	<2	1.0	15.9	71.95	8.0	33.65	8.1
A7	29 May 2018	812	12	2e	<2	<2	1.0	11.8	85.55	4.5	33.65	7.8
A7	29 May 2018	812	18	12e	4e	<2	0.3	11.1	86.65	4.0	33.65	7.8

Station	Date	Time	Depth	Total	Fecal	Enteroc	F:T	Temp	XMS	DO	Sal	pH
C4	07 May 2018	1125	1	<2	<2	<2	1.0	15.5	76.66	9.2	33.65	8.2
C4	07 May 2018	1125	3	<2	<2	<2	1.0	13.8	77.31	7.5	33.74	8.2
C4	07 May 2018	1125	9	<2	<2	<2	1.0	11.2	83.91	5.1	33.67	7.8
C4	14 May 2018	1056	1	<2	<2	<2	1.0	17.0	75.91	8.9	33.68	8.2
C4	14 May 2018	1056	3	2e	<2	<2	1.0	16.3	74.47	9.3	33.68	8.2
C4	14 May 2018	1056	9	<2	<2	<2	1.0	15.1	78.33	8.8	33.66	8.2
C4	21 May 2018	954	1	10e	10e	<2	1.0	16.1	59.82	8.5	33.69	8.2
C4	21 May 2018	954	3	<20	2e	<2	0.1	16.1	61.39	8.5	33.69	8.2
C4	21 May 2018	954	9	<20	<2	<2	0.1	14.3	51.32	5.7	33.66	8.0
C4	29 May 2018	945	1	<20	<2	<2	0.1	15.7	69.21	7.9	33.66	8.1
C4	29 May 2018	945	3	<2	<2	<2	1.0	15.3	68.59	7.6	33.68	8.1
C4	29 May 2018	945	9	<2	<2	<2	1.0	12.1	80.30	4.7	33.62	7.9
C5	07 May 2018	1110	1	<2	<2	<2	1.0	15.9	78.84	10.3	33.66	8.3
C5	07 May 2018	1110	3	2e	<2	<2	1.0	15.5	77.31	9.6	33.67	8.3
C5	07 May 2018	1110	9	<2	<2	<2	1.0	11.9	85.01	6.0	33.65	7.9
C5	14 May 2018	1045	1	<2	<2	<2	1.0	18.1	76.06	8.8	33.70	8.3
C5	14 May 2018	1045	3	<2	<2	<2	1.0	17.4	76.93	8.4	33.72	8.3
C5	14 May 2018	1045	9	4e	<2	<2	0.5	14.3	81.84	7.6	33.64	8.1
C5	21 May 2018	942	1	<2	<2	<2	1.0	16.4	73.61	8.2	33.68	8.2
C5	21 May 2018	942	3	<2	<2	<2	1.0	16.4	74.07	8.2	33.69	8.2
C5	21 May 2018	942	9	2e	<2	<2	1.0	13.0	75.50	5.4	33.68	8.0
C5	29 May 2018	933	1	<2	<2	<2	1.0	16.2	72.49	8.4	33.67	8.2
C5	29 May 2018	933	3	<2	<2	<2	1.0	16.1	72.05	8.0	33.67	8.2
C5	29 May 2018	933	9	<2	<2	<2	1.0	12.9	83.29	4.3	33.63	7.8
C6	07 May 2018	1049	1	<2	<2	<2	1.0	15.6	78.02	10.3	33.66	8.3
C6	07 May 2018	1049	3	6e	<2	<2	0.3	14.9	74.52	8.8	33.67	8.3
C6	07 May 2018	1049	9	<2	<2	<2	1.0	11.6	84.79	6.0	33.65	7.9
C6	14 May 2018	1033	1	<2	<2	<2	1.0	18.1	73.19	10.4	33.68	8.4
C6	14 May 2018	1033	3	<2	<2	<2	1.0	17.9	75.03	9.8	33.69	8.3
C6	14 May 2018	1033	9	2e	<2	<2	1.0	15.1	82.71	7.3	33.63	8.1
C6	21 May 2018	919	1	<2	<2	<2	1.0	16.3	74.83	9.4	33.67	8.3
C6	21 May 2018	919	3	<2	<2	<2	1.0	16.3	75.75	9.3	33.68	8.3
C6	21 May 2018	919	9	2e	<2	<2	1.0	13.6	69.12	5.5	33.67	8.0
C6	29 May 2018	920	1	<2	<2	<2	1.0	16.3	75.61	8.3	33.66	8.2
C6	29 May 2018	920	3	2e	<2	<2	1.0	16.1	76.73	7.7	33.67	8.2
C6	29 May 2018	920	9	<2	<2	<2	1.0	12.4	84.66	4.1	33.64	7.8
C7	07 May 2018	1008	1	<2	<2	<2	1.0	15.3	78.52	8.7	33.63	8.1
C7	07 May 2018	1008	12	<2	<2	<2	1.0	11.0	86.42	4.9	33.66	7.8
C7	07 May 2018	1008	18	<2	<2	<2	1.0	10.9	87.18	4.5	33.69	7.8
C7	14 May 2018	954	1	2e	<2	<2	1.0	17.5	81.51	8.7	33.64	8.2
C7	14 May 2018	954	12	<2	<2	<2	1.0	14.7	77.25	8.3	33.62	8.1

Station	Date	Time	Depth	Total	Fecal	Enterococci	F:T	Temp	XMS	DO	Sal	pH
C7	14 May 2018	954	18	4e	<2	<2	0.5	12.7	83.00	6.3	33.65	8.0
C7	21 May 2018	838	1	<2	<2	<2	1.0	15.8	73.91	8.8	33.65	8.2
C7	21 May 2018	838	12	28e	12e	22e	0.4	15.5	70.93	8.3	33.66	8.2
C7	21 May 2018	838	18	2e	<2	<2	1.0	13.4	81.87	5.9	33.62	8.0
C7	29 May 2018	844	1	<2	<2	<2	1.0	16.3	68.52	8.2	33.66	8.1
C7	29 May 2018	844	12	4e	<2	<2	0.5	12.0	84.82	4.6	33.64	7.8
C7	29 May 2018	844	18	30e	8e	<2	0.3	10.9	86.06	3.6	33.67	7.7
C8	07 May 2018	1023	1	<2	<2	<2	1.0	15.3	74.60	8.7	33.62	8.1
C8	07 May 2018	1023	12	<2	<2	<2	1.0	10.9	87.46	4.6	33.67	7.8
C8	07 May 2018	1023	18	<2	<2	<2	1.0	10.7	88.19	4.1	33.70	7.8
C8	14 May 2018	1008	1	<2	<2	<2	1.0	17.6	78.52	8.8	33.64	8.2
C8	14 May 2018	1008	12	2e	<2	<2	1.0	15.7	74.06	8.5	33.64	8.2
C8	14 May 2018	1008	18	<20	<2	<2	0.1	12.3	77.41	6.7	33.65	8.0
C8	21 May 2018	853	1	2e	<2	2e	1.0	15.8	65.59	8.8	33.65	8.2
C8	21 May 2018	853	12	2e	<2	<2	1.0	14.9	70.45	8.0	33.65	8.2
C8	21 May 2018	853	18	<2	<2	<2	1.0	12.5	74.99	4.9	33.64	7.9
C8	29 May 2018	858	1	<2	<2	<2	1.0	16.4	70.51	8.4	33.64	8.1
C8	29 May 2018	858	12	<2	<2	<2	1.0	11.4	85.03	4.5	33.61	7.8
C8	29 May 2018	858	18	2e	<2	<2	1.0	11.1	83.52	3.9	33.64	7.8

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	07 May 2018	Depth (m)	18
A1	07 May 2018	Arrive Time	906
A1	07 May 2018	Depart Time	912
A1	07 May 2018	Air Temp (C)	15
A1	07 May 2018	Weather	Haze
A1	07 May 2018	Visibility (mi)	7
A1	07 May 2018	Wind Speed (kts)	1
A1	07 May 2018	Wind Dir	SE
A1	07 May 2018	Water Color	Greenish-Blue
A1	07 May 2018	Wave Ht Low (ft)	4
A1	07 May 2018	Wave Period (sec)	4
A1	07 May 2018	Sea State	Calm
A1	07 May 2018	High Tide (ft)	3.76
A1	07 May 2018	High Tide Time	213
A1	07 May 2018	Low Tide (ft)	0.67
A1	07 May 2018	Low Tide Time	1016
A1	07 May 2018	Comments	Kelp
A1	14 May 2018	Depth (m)	18
A1	14 May 2018	Arrive Time	851
A1	14 May 2018	Depart Time	856
A1	14 May 2018	Air Temp (C)	16
A1	14 May 2018	Weather	Partly Cloudy
A1	14 May 2018	Visibility (mi)	7
A1	14 May 2018	Wind Speed (kts)	4
A1	14 May 2018	Wind Dir	NE
A1	14 May 2018	Water Color	Green
A1	14 May 2018	Wave Ht Low (ft)	4
A1	14 May 2018	Wave Period (sec)	7
A1	14 May 2018	Sea State	Confused swell
A1	14 May 2018	High Tide (ft)	4.29
A1	14 May 2018	High Tide Time	917
A1	14 May 2018	Low Tide (ft)	0.78
A1	14 May 2018	Low Tide Time	1456
A1	14 May 2018	Comments	none
A1	21 May 2018	Depth (m)	18
A1	21 May 2018	Arrive Time	747
A1	21 May 2018	Depart Time	750
A1	21 May 2018	Air Temp (C)	15
A1	21 May 2018	Weather	Overcast
A1	21 May 2018	Visibility (mi)	5
A1	21 May 2018	Wind Speed (kts)	10
A1	21 May 2018	Wind Dir	S
A1	21 May 2018	Water Color	Green
A1	21 May 2018	Wave Ht Low (ft)	4
A1	21 May 2018	Wave Period (sec)	7
A1	21 May 2018	Sea State	Confused swell
A1	21 May 2018	High Tide (ft)	3.98
A1	21 May 2018	High Tide Time	1639
A1	21 May 2018	Low Tide (ft)	-0.23

Station	Date	Parameter	Value
A1	21 May 2018	Low Tide Time	936
A1	21 May 2018	Comments	none
A1	29 May 2018	Depth (m)	19
A1	29 May 2018	Arrive Time	758
A1	29 May 2018	Depart Time	804
A1	29 May 2018	Air Temp (C)	15
A1	29 May 2018	Weather	Partly Cloudy
A1	29 May 2018	Visibility (mi)	5
A1	29 May 2018	Wind Speed (kts)	2
A1	29 May 2018	Wind Dir	NW
A1	29 May 2018	Water Color	Green
A1	29 May 2018	Wave Ht Low (ft)	3
A1	29 May 2018	Wave Period (sec)	11
A1	29 May 2018	Sea State	Calm
A1	29 May 2018	High Tide (ft)	3.78
A1	29 May 2018	High Tide Time	1016
A1	29 May 2018	Low Tide (ft)	1.61
A1	29 May 2018	Low Tide Time	1525
A1	29 May 2018	Comments	none
A6	07 May 2018	Depth (m)	18
A6	07 May 2018	Arrive Time	949
A6	07 May 2018	Depart Time	953
A6	07 May 2018	Air Temp (C)	15
A6	07 May 2018	Weather	Haze
A6	07 May 2018	Visibility (mi)	7
A6	07 May 2018	Wind Speed (kts)	5
A6	07 May 2018	Wind Dir	SW
A6	07 May 2018	Water Color	Greenish-Blue
A6	07 May 2018	Wave Ht Low (ft)	4
A6	07 May 2018	Wave Period (sec)	4
A6	07 May 2018	Sea State	Calm
A6	07 May 2018	High Tide (ft)	3.76
A6	07 May 2018	High Tide Time	213
A6	07 May 2018	Low Tide (ft)	0.67
A6	07 May 2018	Low Tide Time	1016
A6	07 May 2018	Comments	Kelp
A6	14 May 2018	Depth (m)	19
A6	14 May 2018	Arrive Time	920
A6	14 May 2018	Depart Time	941
A6	14 May 2018	Air Temp (C)	16
A6	14 May 2018	Weather	Partly Cloudy
A6	14 May 2018	Visibility (mi)	7
A6	14 May 2018	Wind Speed (kts)	4
A6	14 May 2018	Wind Dir	N
A6	14 May 2018	Water Color	Green
A6	14 May 2018	Wave Ht Low (ft)	4
A6	14 May 2018	Wave Period (sec)	7
A6	14 May 2018	Sea State	Confused swell
A6	14 May 2018	High Tide (ft)	4.29
A6	14 May 2018	High Tide Time	917
A6	14 May 2018	Low Tide (ft)	0.78
A6	14 May 2018	Low Tide Time	1456

Station	Date	Parameter	Value
A6	14 May 2018	Comments	Sailboat
A6	21 May 2018	Depth (m)	18
A6	21 May 2018	Arrive Time	816
A6	21 May 2018	Depart Time	820
A6	21 May 2018	Air Temp (C)	15
A6	21 May 2018	Weather	Overcast
A6	21 May 2018	Visibility (mi)	5
A6	21 May 2018	Wind Speed (kts)	6
A6	21 May 2018	Wind Dir	SW
A6	21 May 2018	Water Color	Green
A6	21 May 2018	Wave Ht Low (ft)	4
A6	21 May 2018	Wave Period (sec)	7
A6	21 May 2018	Sea State	Confused swell
A6	21 May 2018	High Tide (ft)	3.98
A6	21 May 2018	High Tide Time	1639
A6	21 May 2018	Low Tide (ft)	-0.23
A6	21 May 2018	Low Tide Time	936
A6	21 May 2018	Comments	Kelp debris
A6	29 May 2018	Depth (m)	19
A6	29 May 2018	Arrive Time	825
A6	29 May 2018	Depart Time	832
A6	29 May 2018	Air Temp (C)	15
A6	29 May 2018	Weather	Partly Cloudy
A6	29 May 2018	Visibility (mi)	5
A6	29 May 2018	Wind Speed (kts)	4
A6	29 May 2018	Wind Dir	SW
A6	29 May 2018	Water Color	Green
A6	29 May 2018	Wave Ht Low (ft)	3
A6	29 May 2018	Wave Period (sec)	11
A6	29 May 2018	Sea State	Calm
A6	29 May 2018	High Tide (ft)	3.78
A6	29 May 2018	High Tide Time	1016
A6	29 May 2018	Low Tide (ft)	1.61
A6	29 May 2018	Low Tide Time	1525
A6	29 May 2018	Comments	Kelp
A7	07 May 2018	Depth (m)	18
A7	07 May 2018	Arrive Time	923
A7	07 May 2018	Depart Time	940
A7	07 May 2018	Air Temp (C)	15
A7	07 May 2018	Weather	Haze
A7	07 May 2018	Visibility (mi)	7
A7	07 May 2018	Wind Speed (kts)	3
A7	07 May 2018	Wind Dir	SW
A7	07 May 2018	Water Color	Greenish-Blue
A7	07 May 2018	Wave Ht Low (ft)	4
A7	07 May 2018	Wave Period (sec)	4
A7	07 May 2018	Sea State	Calm
A7	07 May 2018	High Tide (ft)	3.76
A7	07 May 2018	High Tide Time	213
A7	07 May 2018	Low Tide (ft)	0.67
A7	07 May 2018	Low Tide Time	1016
A7	07 May 2018	Comments	Kelp

Station	Date	Parameter	Value
A7	14 May 2018	Depth (m)	20
A7	14 May 2018	Arrive Time	906
A7	14 May 2018	Depart Time	911
A7	14 May 2018	Air Temp (C)	16
A7	14 May 2018	Weather	Partly Cloudy
A7	14 May 2018	Visibility (mi)	7
A7	14 May 2018	Wind Speed (kts)	6
A7	14 May 2018	Wind Dir	N
A7	14 May 2018	Water Color	Green
A7	14 May 2018	Wave Ht Low (ft)	4
A7	14 May 2018	Wave Period (sec)	7
A7	14 May 2018	Sea State	Confused swell
A7	14 May 2018	High Tide (ft)	4.29
A7	14 May 2018	High Tide Time	917
A7	14 May 2018	Low Tide (ft)	0.78
A7	14 May 2018	Low Tide Time	1456
A7	14 May 2018	Comments	Sport fishing boat on station; Kelp debris
A7	21 May 2018	Depth (m)	18
A7	21 May 2018	Arrive Time	801
A7	21 May 2018	Depart Time	804
A7	21 May 2018	Air Temp (C)	15
A7	21 May 2018	Weather	Overcast
A7	21 May 2018	Visibility (mi)	5
A7	21 May 2018	Wind Speed (kts)	8
A7	21 May 2018	Wind Dir	S
A7	21 May 2018	Water Color	Green
A7	21 May 2018	Wave Ht Low (ft)	4
A7	21 May 2018	Wave Period (sec)	7
A7	21 May 2018	Sea State	Confused swell
A7	21 May 2018	High Tide (ft)	3.98
A7	21 May 2018	High Tide Time	1639
A7	21 May 2018	Low Tide (ft)	-0.23
A7	21 May 2018	Low Tide Time	936
A7	21 May 2018	Comments	Kelp debris
A7	29 May 2018	Depth (m)	19
A7	29 May 2018	Arrive Time	812
A7	29 May 2018	Depart Time	817
A7	29 May 2018	Air Temp (C)	15
A7	29 May 2018	Weather	Partly Cloudy
A7	29 May 2018	Visibility (mi)	5
A7	29 May 2018	Wind Speed (kts)	5
A7	29 May 2018	Wind Dir	SW
A7	29 May 2018	Water Color	Green
A7	29 May 2018	Wave Ht Low (ft)	3
A7	29 May 2018	Wave Period (sec)	11
A7	29 May 2018	Sea State	Calm
A7	29 May 2018	High Tide (ft)	3.78
A7	29 May 2018	High Tide Time	1016
A7	29 May 2018	Low Tide (ft)	1.61
A7	29 May 2018	Low Tide Time	1525
A7	29 May 2018	Comments	Kelp

Station	Date	Parameter	Value
C4	07 May 2018	Depth (m)	12
C4	07 May 2018	Arrive Time	1125
C4	07 May 2018	Depart Time	1128
C4	07 May 2018	Air Temp (C)	15
C4	07 May 2018	Weather	Partly Cloudy
C4	07 May 2018	Visibility (mi)	9
C4	07 May 2018	Wind Speed (kts)	4
C4	07 May 2018	Wind Dir	SW
C4	07 May 2018	Water Color	Green
C4	07 May 2018	Wave Ht Low (ft)	4
C4	07 May 2018	Wave Period (sec)	7
C4	07 May 2018	Sea State	Calm
C4	07 May 2018	High Tide (ft)	3.76
C4	07 May 2018	High Tide Time	213
C4	07 May 2018	Low Tide (ft)	0.67
C4	07 May 2018	Low Tide Time	1016
C4	07 May 2018	Comments	none
C4	14 May 2018	Depth (m)	11
C4	14 May 2018	Arrive Time	1056
C4	14 May 2018	Depart Time	1059
C4	14 May 2018	Air Temp (C)	16
C4	14 May 2018	Weather	Partly Cloudy
C4	14 May 2018	Visibility (mi)	9
C4	14 May 2018	Wind Speed (kts)	6
C4	14 May 2018	Wind Dir	NW
C4	14 May 2018	Water Color	Green
C4	14 May 2018	Wave Ht Low (ft)	4
C4	14 May 2018	Wave Period (sec)	7
C4	14 May 2018	Sea State	Confused swell
C4	14 May 2018	High Tide (ft)	4.29
C4	14 May 2018	High Tide Time	917
C4	14 May 2018	Low Tide (ft)	0.78
C4	14 May 2018	Low Tide Time	1456
C4	14 May 2018	Comments	Seagrass; Kelp; Kelp debris
C4	21 May 2018	Depth (m)	10
C4	21 May 2018	Arrive Time	954
C4	21 May 2018	Depart Time	957
C4	21 May 2018	Air Temp (C)	15
C4	21 May 2018	Weather	Partly Cloudy
C4	21 May 2018	Visibility (mi)	8
C4	21 May 2018	Wind Speed (kts)	8
C4	21 May 2018	Wind Dir	S
C4	21 May 2018	Water Color	Green
C4	21 May 2018	Wave Ht Low (ft)	4
C4	21 May 2018	Wave Period (sec)	7
C4	21 May 2018	Sea State	Confused swell
C4	21 May 2018	High Tide (ft)	3.98
C4	21 May 2018	High Tide Time	1639
C4	21 May 2018	Low Tide (ft)	-0.23
C4	21 May 2018	Low Tide Time	936
C4	21 May 2018	Comments	Kelp; Surfers
C4	29 May 2018	Depth (m)	11

Station	Date	Parameter	Value
C4	29 May 2018	Arrive Time	945
C4	29 May 2018	Depart Time	950
C4	29 May 2018	Air Temp (C)	16
C4	29 May 2018	Weather	Partly Cloudy
C4	29 May 2018	Visibility (mi)	5
C4	29 May 2018	Wind Speed (kts)	5
C4	29 May 2018	Wind Dir	SW
C4	29 May 2018	Water Color	Green
C4	29 May 2018	Wave Ht Low (ft)	3
C4	29 May 2018	Wave Period (sec)	11
C4	29 May 2018	Sea State	Calm
C4	29 May 2018	High Tide (ft)	3.78
C4	29 May 2018	High Tide Time	1016
C4	29 May 2018	Low Tide (ft)	1.61
C4	29 May 2018	Low Tide Time	1525
C4	29 May 2018	Comments	none
C5	07 May 2018	Depth (m)	10
C5	07 May 2018	Arrive Time	1110
C5	07 May 2018	Depart Time	1114
C5	07 May 2018	Air Temp (C)	15
C5	07 May 2018	Weather	Partly Cloudy
C5	07 May 2018	Visibility (mi)	9
C5	07 May 2018	Wind Speed (kts)	5
C5	07 May 2018	Wind Dir	W
C5	07 May 2018	Water Color	Greenish-Blue
C5	07 May 2018	Wave Ht Low (ft)	4
C5	07 May 2018	Wave Period (sec)	4
C5	07 May 2018	Sea State	Calm
C5	07 May 2018	High Tide (ft)	3.76
C5	07 May 2018	High Tide Time	213
C5	07 May 2018	Low Tide (ft)	0.67
C5	07 May 2018	Low Tide Time	1016
C5	07 May 2018	Comments	Kelp
C5	14 May 2018	Depth (m)	10
C5	14 May 2018	Arrive Time	1045
C5	14 May 2018	Depart Time	1049
C5	14 May 2018	Air Temp (C)	16
C5	14 May 2018	Weather	Partly Cloudy
C5	14 May 2018	Visibility (mi)	9
C5	14 May 2018	Wind Speed (kts)	5
C5	14 May 2018	Wind Dir	N
C5	14 May 2018	Water Color	Green
C5	14 May 2018	Wave Ht Low (ft)	4
C5	14 May 2018	Wave Period (sec)	7
C5	14 May 2018	Sea State	Confused swell
C5	14 May 2018	High Tide (ft)	4.29
C5	14 May 2018	High Tide Time	917
C5	14 May 2018	Low Tide (ft)	0.78
C5	14 May 2018	Low Tide Time	1456
C5	14 May 2018	Comments	Kelp; Kelp debris
C5	21 May 2018	Depth (m)	11
C5	21 May 2018	Arrive Time	942

Station	Date	Parameter	Value
C5	21 May 2018	Depart Time	944
C5	21 May 2018	Air Temp (C)	15
C5	21 May 2018	Weather	Partly Cloudy
C5	21 May 2018	Visibility (mi)	8
C5	21 May 2018	Wind Speed (kts)	8
C5	21 May 2018	Wind Dir	S
C5	21 May 2018	Water Color	Green
C5	21 May 2018	Wave Ht Low (ft)	4
C5	21 May 2018	Wave Period (sec)	7
C5	21 May 2018	Sea State	Confused swell
C5	21 May 2018	High Tide (ft)	3.98
C5	21 May 2018	High Tide Time	1639
C5	21 May 2018	Low Tide (ft)	-0.23
C5	21 May 2018	Low Tide Time	936
C5	21 May 2018	Comments	Kelp
C5	29 May 2018	Depth (m)	10
C5	29 May 2018	Arrive Time	933
C5	29 May 2018	Depart Time	938
C5	29 May 2018	Air Temp (C)	16
C5	29 May 2018	Weather	Partly Cloudy
C5	29 May 2018	Visibility (mi)	5
C5	29 May 2018	Wind Speed (kts)	4
C5	29 May 2018	Wind Dir	W
C5	29 May 2018	Water Color	Green
C5	29 May 2018	Wave Ht Low (ft)	3
C5	29 May 2018	Wave Period (sec)	11
C5	29 May 2018	Sea State	Calm
C5	29 May 2018	High Tide (ft)	3.78
C5	29 May 2018	High Tide Time	1016
C5	29 May 2018	Low Tide (ft)	1.61
C5	29 May 2018	Low Tide Time	1525
C5	29 May 2018	Comments	Kelp
C6	07 May 2018	Depth (m)	10
C6	07 May 2018	Arrive Time	1049
C6	07 May 2018	Depart Time	1101
C6	07 May 2018	Air Temp (C)	15
C6	07 May 2018	Weather	Partly Cloudy
C6	07 May 2018	Visibility (mi)	9
C6	07 May 2018	Wind Speed (kts)	6
C6	07 May 2018	Wind Dir	W
C6	07 May 2018	Water Color	Greenish-Blue
C6	07 May 2018	Wave Ht Low (ft)	4
C6	07 May 2018	Wave Period (sec)	4
C6	07 May 2018	Sea State	Calm
C6	07 May 2018	High Tide (ft)	3.76
C6	07 May 2018	High Tide Time	213
C6	07 May 2018	Low Tide (ft)	0.67
C6	07 May 2018	Low Tide Time	1016
C6	07 May 2018	Comments	Kelp; Large kelp canopy at surface
C6	14 May 2018	Depth (m)	9
C6	14 May 2018	Arrive Time	1033
C6	14 May 2018	Depart Time	1037

Station	Date	Parameter	Value
C6	14 May 2018	Air Temp (C)	16
C6	14 May 2018	Weather	Partly Cloudy
C6	14 May 2018	Visibility (mi)	9
C6	14 May 2018	Wind Speed (kts)	5
C6	14 May 2018	Wind Dir	NW
C6	14 May 2018	Water Color	Green
C6	14 May 2018	Wave Ht Low (ft)	4
C6	14 May 2018	Wave Period (sec)	7
C6	14 May 2018	Sea State	Confused swell
C6	14 May 2018	High Tide (ft)	4.29
C6	14 May 2018	High Tide Time	917
C6	14 May 2018	Low Tide (ft)	0.78
C6	14 May 2018	Low Tide Time	1456
C6	14 May 2018	Comments	Kelp; Kelp debris
C6	21 May 2018	Depth (m)	9
C6	21 May 2018	Arrive Time	919
C6	21 May 2018	Depart Time	931
C6	21 May 2018	Air Temp (C)	15
C6	21 May 2018	Weather	Overcast
C6	21 May 2018	Visibility (mi)	7
C6	21 May 2018	Wind Speed (kts)	10
C6	21 May 2018	Wind Dir	S
C6	21 May 2018	Water Color	Green
C6	21 May 2018	Wave Ht Low (ft)	4
C6	21 May 2018	Wave Period (sec)	7
C6	21 May 2018	Sea State	Confused swell
C6	21 May 2018	High Tide (ft)	3.98
C6	21 May 2018	High Tide Time	1639
C6	21 May 2018	Low Tide (ft)	-0.23
C6	21 May 2018	Low Tide Time	936
C6	21 May 2018	Comments	Kelp debris; Odd salinity values associated with the thermocline; Performed multiple casts and cleaned tubing but got the same values
C6	29 May 2018	Depth (m)	10
C6	29 May 2018	Arrive Time	920
C6	29 May 2018	Depart Time	925
C6	29 May 2018	Air Temp (C)	16
C6	29 May 2018	Weather	Partly Cloudy
C6	29 May 2018	Visibility (mi)	5
C6	29 May 2018	Wind Speed (kts)	6
C6	29 May 2018	Wind Dir	S
C6	29 May 2018	Water Color	Green
C6	29 May 2018	Wave Ht Low (ft)	3
C6	29 May 2018	Wave Period (sec)	11
C6	29 May 2018	Sea State	Calm
C6	29 May 2018	High Tide (ft)	3.78
C6	29 May 2018	High Tide Time	1016
C6	29 May 2018	Low Tide (ft)	1.61
C6	29 May 2018	Low Tide Time	1525
C6	29 May 2018	Comments	Kelp
C7	07 May 2018	Depth (m)	18
C7	07 May 2018	Arrive Time	1008

Station	Date	Parameter	Value
C7	07 May 2018	Depart Time	1012
C7	07 May 2018	Air Temp (C)	15
C7	07 May 2018	Weather	Haze
C7	07 May 2018	Visibility (mi)	7
C7	07 May 2018	Wind Speed (kts)	5
C7	07 May 2018	Wind Dir	SW
C7	07 May 2018	Water Color	Greenish-Blue
C7	07 May 2018	Wave Ht Low (ft)	4
C7	07 May 2018	Wave Period (sec)	4
C7	07 May 2018	Sea State	Calm
C7	07 May 2018	High Tide (ft)	3.76
C7	07 May 2018	High Tide Time	213
C7	07 May 2018	Low Tide (ft)	0.67
C7	07 May 2018	Low Tide Time	1016
C7	07 May 2018	Comments	Kelp
C7	14 May 2018	Depth (m)	18
C7	14 May 2018	Arrive Time	954
C7	14 May 2018	Depart Time	1000
C7	14 May 2018	Air Temp (C)	16
C7	14 May 2018	Weather	Partly Cloudy
C7	14 May 2018	Visibility (mi)	9
C7	14 May 2018	Wind Speed (kts)	4
C7	14 May 2018	Wind Dir	NW
C7	14 May 2018	Water Color	Green
C7	14 May 2018	Wave Ht Low (ft)	4
C7	14 May 2018	Wave Period (sec)	7
C7	14 May 2018	Sea State	Confused swell
C7	14 May 2018	High Tide (ft)	4.29
C7	14 May 2018	High Tide Time	917
C7	14 May 2018	Low Tide (ft)	0.78
C7	14 May 2018	Low Tide Time	1456
C7	14 May 2018	Comments	dolphins
C7	21 May 2018	Depth (m)	18
C7	21 May 2018	Arrive Time	838
C7	21 May 2018	Depart Time	842
C7	21 May 2018	Air Temp (C)	15
C7	21 May 2018	Weather	Overcast
C7	21 May 2018	Visibility (mi)	7
C7	21 May 2018	Wind Speed (kts)	8
C7	21 May 2018	Wind Dir	S
C7	21 May 2018	Water Color	Green
C7	21 May 2018	Wave Ht Low (ft)	4
C7	21 May 2018	Wave Period (sec)	7
C7	21 May 2018	Sea State	Confused swell
C7	21 May 2018	High Tide (ft)	3.98
C7	21 May 2018	High Tide Time	1639
C7	21 May 2018	Low Tide (ft)	-0.23
C7	21 May 2018	Low Tide Time	936
C7	21 May 2018	Comments	Kelp debris
C7	29 May 2018	Depth (m)	19
C7	29 May 2018	Arrive Time	844
C7	29 May 2018	Depart Time	849

Station	Date	Parameter	Value
C7	29 May 2018	Air Temp (C)	15
C7	29 May 2018	Weather	Partly Cloudy
C7	29 May 2018	Visibility (mi)	5
C7	29 May 2018	Wind Speed (kts)	8
C7	29 May 2018	Wind Dir	SW
C7	29 May 2018	Water Color	Green
C7	29 May 2018	Wave Ht Low (ft)	3
C7	29 May 2018	Wave Period (sec)	11
C7	29 May 2018	Sea State	Calm
C7	29 May 2018	High Tide (ft)	3.78
C7	29 May 2018	High Tide Time	1016
C7	29 May 2018	Low Tide (ft)	1.61
C7	29 May 2018	Low Tide Time	1525
C7	29 May 2018	Comments	Kelp
C8	07 May 2018	Depth (m)	20
C8	07 May 2018	Arrive Time	1023
C8	07 May 2018	Depart Time	1026
C8	07 May 2018	Air Temp (C)	15
C8	07 May 2018	Weather	Partly Cloudy
C8	07 May 2018	Visibility (mi)	9
C8	07 May 2018	Wind Speed (kts)	6
C8	07 May 2018	Wind Dir	SW
C8	07 May 2018	Water Color	Greenish-Blue
C8	07 May 2018	Wave Ht Low (ft)	4
C8	07 May 2018	Wave Period (sec)	4
C8	07 May 2018	Sea State	Calm
C8	07 May 2018	High Tide (ft)	3.76
C8	07 May 2018	High Tide Time	213
C8	07 May 2018	Low Tide (ft)	0.67
C8	07 May 2018	Low Tide Time	1016
C8	07 May 2018	Comments	none
C8	14 May 2018	Depth (m)	19
C8	14 May 2018	Arrive Time	1008
C8	14 May 2018	Depart Time	1012
C8	14 May 2018	Air Temp (C)	16
C8	14 May 2018	Weather	Partly Cloudy
C8	14 May 2018	Visibility (mi)	9
C8	14 May 2018	Wind Speed (kts)	5
C8	14 May 2018	Wind Dir	NW
C8	14 May 2018	Water Color	Bluish-Green
C8	14 May 2018	Wave Ht Low (ft)	4
C8	14 May 2018	Wave Period (sec)	7
C8	14 May 2018	Sea State	Confused swell
C8	14 May 2018	High Tide (ft)	4.29
C8	14 May 2018	High Tide Time	917
C8	14 May 2018	Low Tide (ft)	0.78
C8	14 May 2018	Low Tide Time	1456
C8	14 May 2018	Comments	Dolphins; Seabirds; Sport fishing boat
C8	21 May 2018	Depth (m)	19
C8	21 May 2018	Arrive Time	853
C8	21 May 2018	Depart Time	856
C8	21 May 2018	Air Temp (C)	15

Station	Date	Parameter	Value
C8	21 May 2018	Weather	Overcast
C8	21 May 2018	Visibility (mi)	7
C8	21 May 2018	Wind Speed (kts)	8
C8	21 May 2018	Wind Dir	S
C8	21 May 2018	Water Color	Green
C8	21 May 2018	Wave Ht Low (ft)	4
C8	21 May 2018	Wave Period (sec)	7
C8	21 May 2018	Sea State	Confused swell
C8	21 May 2018	High Tide (ft)	3.98
C8	21 May 2018	High Tide Time	1639
C8	21 May 2018	Low Tide (ft)	-0.23
C8	21 May 2018	Low Tide Time	936
C8	21 May 2018	Comments	Sailboat
C8	29 May 2018	Depth (m)	21
C8	29 May 2018	Arrive Time	858
C8	29 May 2018	Depart Time	902
C8	29 May 2018	Air Temp (C)	15
C8	29 May 2018	Weather	Partly Cloudy
C8	29 May 2018	Visibility (mi)	5
C8	29 May 2018	Wind Speed (kts)	3
C8	29 May 2018	Wind Dir	SW
C8	29 May 2018	Water Color	Green
C8	29 May 2018	Wave Ht Low (ft)	3
C8	29 May 2018	Wave Period (sec)	11
C8	29 May 2018	Sea State	Calm
C8	29 May 2018	High Tide (ft)	3.78
C8	29 May 2018	High Tide Time	1016
C8	29 May 2018	Low Tide (ft)	1.61
C8	29 May 2018	Low Tide Time	1525
C8	29 May 2018	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 (σ -t)	Chlor (μ g/L)
A1	07 May 2018	1	14.56	81.05	8.6	33.68	8.2	25.1	0.73
A1	07 May 2018	2	14.21	79.82	8.3	33.73	8.1	25.2	0.89
A1	07 May 2018	3	13.47	80.36	7.8	33.68	8.1	25.3	1.13
A1	07 May 2018	4	12.58	82.95	6.9	33.84	8.0	25.6	1.16
A1	07 May 2018	5	11.27	84.63	5.8	33.76	7.9	25.8	1.18
A1	07 May 2018	6	11.01	85.16	5.1	33.70	7.8	25.8	1.16
A1	07 May 2018	7	10.71	87.06	4.6	33.72	7.8	25.8	1.11
A1	07 May 2018	8	10.62	87.65	4.2	33.73	7.7	25.9	0.92
A1	07 May 2018	9	10.53	87.29	4.0	33.73	7.7	25.9	0.73
A1	07 May 2018	10	10.52	87.37	3.8	33.74	7.7	25.9	0.66
A1	07 May 2018	11	10.52	87.16	3.8	33.74	7.7	25.9	0.62
A1	07 May 2018	12	10.52	87.09	3.7	33.74	7.7	25.9	0.68
A1	07 May 2018	13	10.52	87.10	3.7	33.74	7.7	25.9	0.75
A1	07 May 2018	14	10.52	87.12	3.7	33.74	7.7	25.9	0.75
A1	07 May 2018	15	10.52	87.14	3.7	33.74	7.7	25.9	0.67
A1	07 May 2018	16	10.52	87.00	3.7	33.74	7.7	25.9	0.63
A1	07 May 2018	17	10.52	87.19	3.7	33.74	7.7	25.9	0.70
A1	07 May 2018	18	10.53	87.22	3.7	33.74	7.7	25.9	0.55
A1	14 May 2018	1	16.49	72.16	8.8	33.68	8.2	24.6	1.90
A1	14 May 2018	2	16.49	72.04	8.7	33.69	8.2	24.6	2.10
A1	14 May 2018	3	16.40	71.78	8.8	33.69	8.2	24.6	2.68
A1	14 May 2018	4	16.35	71.36	8.9	33.69	8.2	24.7	3.60
A1	14 May 2018	5	16.34	70.94	9.0	33.69	8.2	24.7	4.42
A1	14 May 2018	6	16.31	70.21	8.9	33.69	8.2	24.7	4.80
A1	14 May 2018	7	16.21	69.62	8.9	33.69	8.2	24.7	5.02
A1	14 May 2018	8	16.13	70.84	9.1	33.69	8.2	24.7	5.01
A1	14 May 2018	9	16.10	71.30	9.1	33.68	8.2	24.7	4.93
A1	14 May 2018	10	15.99	72.25	9.2	33.68	8.2	24.7	4.55
A1	14 May 2018	11	15.70	73.99	9.5	33.68	8.2	24.8	4.31
A1	14 May 2018	12	15.51	76.29	9.6	33.67	8.2	24.8	3.92
A1	14 May 2018	13	15.13	76.72	9.6	33.67	8.2	24.9	3.80
A1	14 May 2018	14	14.79	77.68	9.6	33.66	8.2	25.0	3.87
A1	14 May 2018	15	14.81	77.82	9.6	33.65	8.2	25.0	3.69
A1	14 May 2018	16	14.72	78.38	9.5	33.66	8.2	25.0	3.51
A1	14 May 2018	17	14.54	78.73	9.4	33.65	8.2	25.0	3.30
A1	14 May 2018	18	14.40	79.39	9.3	33.65	8.2	25.1	3.09
A1	14 May 2018	19	14.45	79.30	9.3	33.65	8.2	25.1	3.12
A1	21 May 2018	1	15.69	74.40	8.9	33.64	8.2	24.8	2.27
A1	21 May 2018	2	15.69	76.43	8.9	33.65	8.2	24.8	2.35
A1	21 May 2018	3	15.70	77.05	8.9	33.65	8.2	24.8	2.50
A1	21 May 2018	4	15.69	77.60	8.9	33.65	8.2	24.8	2.58
A1	21 May 2018	5	15.65	77.07	8.8	33.66	8.2	24.8	2.79
A1	21 May 2018	6	15.63	77.10	8.8	33.65	8.2	24.8	2.98
A1	21 May 2018	7	15.63	77.04	8.8	33.65	8.2	24.8	3.11
A1	21 May 2018	8	15.61	77.04	8.8	33.65	8.2	24.8	3.26
A1	21 May 2018	9	15.60	76.91	8.8	33.65	8.2	24.8	3.30
A1	21 May 2018	10	15.59	76.70	8.8	33.65	8.2	24.8	3.30
A1	21 May 2018	11	15.58	76.52	8.8	33.65	8.2	24.8	3.45
A1	21 May 2018	12	15.55	75.80	8.8	33.66	8.2	24.8	3.63

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
A1	21 May 2018	13	15.48	74.50	8.7	33.66	8.2	24.8	3.99
A1	21 May 2018	14	15.33	73.20	8.6	33.66	8.2	24.9	4.29
A1	21 May 2018	15	14.98	72.54	8.5	33.66	8.1	24.9	4.60
A1	21 May 2018	16	14.90	73.12	8.2	33.65	8.1	25.0	4.56
A1	21 May 2018	17	14.27	74.84	7.2	33.68	8.1	25.1	4.12
A1	21 May 2018	18	12.64	78.20	6.1	33.70	8.0	25.5	2.73
A1	21 May 2018	19	12.89	77.91	5.8	33.62	7.9	25.3	1.66
A1	29 May 2018	1	15.37	74.96	7.9	33.64	8.1	24.8	5.21
A1	29 May 2018	2	15.68	75.29	7.9	33.64	8.1	24.8	5.35
A1	29 May 2018	3	15.28	74.83	7.6	33.66	8.1	24.9	6.89
A1	29 May 2018	4	14.66	73.64	6.9	33.67	8.1	25.0	7.81
A1	29 May 2018	5	13.72	76.49	6.1	33.66	8.0	25.2	5.16
A1	29 May 2018	6	12.81	81.17	5.4	33.65	7.9	25.4	2.94
A1	29 May 2018	7	12.44	80.07	5.0	33.64	7.9	25.4	1.93
A1	29 May 2018	8	11.83	84.45	4.7	33.63	7.8	25.6	1.41
A1	29 May 2018	9	11.67	85.27	4.5	33.62	7.8	25.6	1.05
A1	29 May 2018	10	11.49	85.84	4.4	33.62	7.8	25.6	1.00
A1	29 May 2018	11	11.43	85.99	4.3	33.62	7.8	25.6	0.87
A1	29 May 2018	12	11.38	86.11	4.2	33.62	7.8	25.6	0.75
A1	29 May 2018	13	11.29	86.30	4.1	33.63	7.8	25.7	0.73
A1	29 May 2018	14	11.21	86.58	4.1	33.63	7.8	25.7	0.59
A1	29 May 2018	15	11.14	86.75	4.1	33.64	7.8	25.7	0.52
A1	29 May 2018	16	11.07	86.83	4.2	33.64	7.8	25.7	0.48
A1	29 May 2018	17	10.98	86.88	4.3	33.65	7.8	25.7	0.47
A1	29 May 2018	18	10.97	86.83	4.4	33.65	7.8	25.7	0.37
A1	29 May 2018	19	10.97	86.30	4.4	33.65	7.8	25.7	0.33
A6	07 May 2018	1	15.32	81.04	9.3	33.63	8.2	24.8	0.96
A6	07 May 2018	2	15.27	80.76	9.0	33.64	8.2	24.9	1.15
A6	07 May 2018	3	14.80	80.92	8.0	33.65	8.2	25.0	1.46
A6	07 May 2018	4	13.18	81.01	6.7	33.70	8.1	25.4	1.16
A6	07 May 2018	5	11.46	83.12	5.6	33.72	7.9	25.7	0.88
A6	07 May 2018	6	10.96	85.64	5.0	33.69	7.8	25.8	0.76
A6	07 May 2018	7	10.83	86.62	4.6	33.67	7.8	25.8	0.63
A6	07 May 2018	8	10.79	87.93	4.4	33.66	7.8	25.8	0.48
A6	07 May 2018	9	10.73	88.07	4.4	33.67	7.8	25.8	0.43
A6	07 May 2018	10	10.72	88.07	4.4	33.67	7.8	25.8	0.50
A6	07 May 2018	11	10.64	88.09	4.2	33.69	7.8	25.8	0.54
A6	07 May 2018	12	10.58	87.97	4.1	33.70	7.8	25.8	0.60
A6	07 May 2018	13	10.55	87.83	4.0	33.71	7.8	25.9	0.59
A6	07 May 2018	14	10.52	87.43	3.9	33.72	7.7	25.9	0.60
A6	07 May 2018	15	10.49	87.21	3.8	33.73	7.7	25.9	0.73
A6	07 May 2018	16	10.47	87.11	3.6	33.74	7.7	25.9	0.60
A6	07 May 2018	17	10.46	87.08	3.6	33.74	7.7	25.9	0.62
A6	07 May 2018	18	10.46	86.99	3.6	33.75	7.7	25.9	0.65
A6	07 May 2018	19	10.46	87.08	3.6	33.75	7.7	25.9	0.64
A6	07 May 2018	20	10.47	86.67	3.6	33.75	7.7	25.9	0.51
A6	14 May 2018	1	17.18	79.81	9.2	33.66	8.2	24.4	0.90
A6	14 May 2018	2	16.44	78.16	8.9	33.68	8.2	24.6	1.30
A6	14 May 2018	3	16.26	77.66	8.9	33.63	8.2	24.6	1.69
A6	14 May 2018	4	15.52	75.58	9.0	33.68	8.2	24.8	2.02
A6	14 May 2018	5	15.26	73.39	9.2	33.64	8.2	24.9	2.96
A6	14 May 2018	6	15.17	72.70	9.1	33.64	8.2	24.9	3.70

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
A6	14 May 2018	7	14.63	71.02	8.8	33.68	8.2	25.0	4.66
A6	14 May 2018	8	14.34	70.14	8.8	33.64	8.2	25.1	5.81
A6	14 May 2018	9	14.24	67.86	8.7	33.63	8.1	25.1	7.21
A6	14 May 2018	10	14.18	66.43	8.5	33.63	8.1	25.1	8.44
A6	14 May 2018	11	14.15	68.64	8.4	33.63	8.1	25.1	8.55
A6	14 May 2018	12	14.13	69.45	8.3	33.63	8.1	25.1	8.21
A6	14 May 2018	13	14.12	71.34	8.2	33.63	8.1	25.1	7.57
A6	14 May 2018	14	13.95	74.20	7.9	33.64	8.1	25.1	6.74
A6	14 May 2018	15	13.78	77.03	7.6	33.64	8.1	25.2	5.58
A6	14 May 2018	16	13.75	78.08	7.5	33.63	8.1	25.2	4.76
A6	14 May 2018	17	13.71	78.43	7.5	33.64	8.1	25.2	4.39
A6	14 May 2018	18	13.69	78.84	7.4	33.64	8.1	25.2	3.99
A6	14 May 2018	19	13.68	78.72	7.4	33.64	8.1	25.2	3.91
A6	14 May 2018	20	13.59	78.94	7.3	33.65	8.1	25.2	3.84
A6	14 May 2018	21	13.47	79.86	7.2	33.65	8.0	25.2	3.33
A6	21 May 2018	1	15.78	73.05	8.7	33.66	8.2	24.8	3.24
A6	21 May 2018	2	15.77	72.43	8.7	33.66	8.2	24.8	3.40
A6	21 May 2018	3	15.76	74.77	8.7	33.66	8.2	24.8	3.49
A6	21 May 2018	4	15.78	75.72	8.7	33.65	8.2	24.8	3.67
A6	21 May 2018	5	15.76	75.52	8.7	33.66	8.2	24.8	3.92
A6	21 May 2018	6	15.67	75.75	8.6	33.66	8.2	24.8	4.08
A6	21 May 2018	7	15.65	75.96	8.6	33.66	8.2	24.8	4.19
A6	21 May 2018	8	15.55	76.01	8.5	33.66	8.2	24.8	4.10
A6	21 May 2018	9	15.26	75.57	8.5	33.66	8.2	24.9	4.68
A6	21 May 2018	10	15.25	74.93	8.5	33.65	8.2	24.9	5.08
A6	21 May 2018	11	15.23	73.49	8.5	33.65	8.2	24.9	5.04
A6	21 May 2018	12	15.29	73.51	8.5	33.65	8.2	24.9	5.02
A6	21 May 2018	13	15.25	73.66	8.5	33.65	8.2	24.9	5.22
A6	21 May 2018	14	15.18	72.86	8.4	33.65	8.2	24.9	5.30
A6	21 May 2018	15	15.19	72.48	8.4	33.65	8.2	24.9	5.23
A6	21 May 2018	16	15.20	72.55	8.4	33.64	8.2	24.9	5.33
A6	21 May 2018	17	15.00	72.66	8.3	33.66	8.2	24.9	5.44
A6	21 May 2018	18	14.76	72.25	8.1	33.66	8.1	25.0	5.42
A6	21 May 2018	19	14.45	73.53	7.6	33.66	8.1	25.1	4.98
A6	21 May 2018	20	14.20	74.97	7.3	33.67	8.1	25.1	4.48
A6	29 May 2018	1	16.08	75.46	8.1	33.65	8.1	24.7	4.55
A6	29 May 2018	2	16.06	75.22	8.0	33.66	8.1	24.7	4.99
A6	29 May 2018	3	15.79	75.45	7.8	33.67	8.1	24.8	5.67
A6	29 May 2018	4	15.45	75.62	7.4	33.67	8.1	24.8	6.11
A6	29 May 2018	5	14.67	75.84	6.7	33.72	8.1	25.1	6.00
A6	29 May 2018	6	13.46	79.58	6.2	33.69	8.0	25.3	4.43
A6	29 May 2018	7	13.27	81.85	5.7	33.64	7.9	25.3	3.14
A6	29 May 2018	8	12.33	83.90	5.1	33.70	7.9	25.5	2.20
A6	29 May 2018	9	11.80	85.56	4.6	33.65	7.8	25.6	1.40
A6	29 May 2018	10	11.66	86.05	4.4	33.64	7.8	25.6	0.82
A6	29 May 2018	11	11.57	86.15	4.3	33.63	7.8	25.6	0.65
A6	29 May 2018	12	11.45	86.36	4.2	33.63	7.8	25.6	0.53
A6	29 May 2018	13	11.40	86.39	4.2	33.64	7.8	25.6	0.47
A6	29 May 2018	14	11.38	86.65	4.1	33.64	7.8	25.6	0.46
A6	29 May 2018	15	11.36	86.72	4.0	33.64	7.8	25.7	0.38
A6	29 May 2018	16	11.32	86.78	4.0	33.65	7.8	25.7	0.36
A6	29 May 2018	17	11.27	86.84	3.9	33.66	7.8	25.7	0.30
A6	29 May 2018	18	11.27	86.93	3.8	33.66	7.8	25.7	0.26

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A6	29 May 2018	19	11.19	86.78	3.8	33.66	7.8	25.7	0.28
A6	29 May 2018	20	11.12	86.86	3.8	33.67	7.8	25.7	0.26
A6	29 May 2018	21	11.06	86.97	3.8	33.67	7.8	25.7	0.21
A7	07 May 2018	1	15.05	76.63	8.9	33.63	8.2	24.9	0.90
A7	07 May 2018	2	15.05	81.46	8.6	33.65	8.2	24.9	0.86
A7	07 May 2018	3	14.12	82.09	7.6	33.70	8.2	25.2	0.99
A7	07 May 2018	4	12.95	83.19	6.6	33.66	8.0	25.4	0.94
A7	07 May 2018	5	11.68	84.81	5.7	33.71	7.9	25.6	0.94
A7	07 May 2018	6	11.14	85.79	5.2	33.66	7.8	25.7	1.01
A7	07 May 2018	7	10.98	86.59	4.8	33.66	7.8	25.7	0.98
A7	07 May 2018	8	10.84	86.98	4.6	33.67	7.8	25.8	0.88
A7	07 May 2018	9	10.80	87.16	4.5	33.67	7.8	25.8	0.81
A7	07 May 2018	10	10.79	87.36	4.4	33.67	7.8	25.8	0.76
A7	07 May 2018	11	10.73	87.52	4.3	33.68	7.8	25.8	0.78
A7	07 May 2018	12	10.70	87.76	4.2	33.69	7.8	25.8	0.74
A7	07 May 2018	13	10.66	87.69	4.1	33.70	7.8	25.8	0.65
A7	07 May 2018	14	10.63	87.64	4.0	33.71	7.8	25.8	0.67
A7	07 May 2018	15	10.60	87.48	3.9	33.72	7.7	25.8	0.65
A7	07 May 2018	16	10.57	87.23	3.7	33.73	7.7	25.9	0.62
A7	07 May 2018	17	10.55	87.10	3.6	33.74	7.7	25.9	0.65
A7	07 May 2018	18	10.53	87.13	3.6	33.75	7.7	25.9	0.67
A7	07 May 2018	19	10.49	86.99	3.5	33.75	7.7	25.9	0.56
A7	07 May 2018	20	10.51	86.98	3.5	33.75	7.7	25.9	0.57
A7	14 May 2018	1	17.01	77.85	8.9	33.54	8.2	24.4	1.44
A7	14 May 2018	2	16.92	78.64	8.8	33.66	8.2	24.5	1.83
A7	14 May 2018	3	16.70	77.78	8.6	33.66	8.2	24.6	2.90
A7	14 May 2018	4	15.64	75.29	8.9	33.68	8.2	24.8	4.72
A7	14 May 2018	5	15.09	72.75	9.2	33.65	8.2	24.9	5.94
A7	14 May 2018	6	14.93	72.78	9.3	33.64	8.2	24.9	6.20
A7	14 May 2018	7	14.89	72.84	9.3	33.64	8.2	24.9	6.41
A7	14 May 2018	8	14.85	73.27	9.3	33.64	8.2	25.0	7.17
A7	14 May 2018	9	14.78	73.58	9.2	33.64	8.2	25.0	7.85
A7	14 May 2018	10	14.74	73.87	8.6	33.66	8.2	25.0	8.19
A7	14 May 2018	11	14.72	72.00	8.2	33.72	8.2	25.0	6.45
A7	14 May 2018	12	14.69	70.87	8.4	33.78	8.2	25.1	6.30
A7	14 May 2018	13	14.65	73.38	8.6	33.72	8.2	25.1	6.64
A7	14 May 2018	14	14.59	74.07	9.0	33.74	8.2	25.1	7.55
A7	14 May 2018	15	14.49	74.30	9.2	33.66	8.2	25.0	6.73
A7	14 May 2018	16	14.46	74.47	9.1	33.65	8.2	25.0	5.79
A7	14 May 2018	17	14.38	76.57	9.1	33.65	8.2	25.1	5.12
A7	14 May 2018	18	14.20	78.75	8.8	33.66	8.2	25.1	4.32
A7	14 May 2018	19	13.94	79.41	8.6	33.66	8.1	25.2	3.90
A7	14 May 2018	20	13.82	78.66	8.4	33.65	8.1	25.2	3.37
A7	14 May 2018	21	13.97	77.63	8.5	33.63	8.1	25.1	3.39
A7	21 May 2018	1	15.85	76.81	8.9	33.64	8.2	24.7	2.08
A7	21 May 2018	2	15.84	77.25	9.0	33.65	8.2	24.7	2.24
A7	21 May 2018	3	15.84	78.14	8.9	33.65	8.2	24.7	2.34
A7	21 May 2018	4	15.83	78.23	9.0	33.65	8.2	24.8	2.49
A7	21 May 2018	5	15.83	78.26	9.0	33.65	8.2	24.8	2.59
A7	21 May 2018	6	15.83	78.31	9.0	33.65	8.2	24.8	2.65
A7	21 May 2018	7	15.82	78.45	9.0	33.65	8.2	24.8	2.65
A7	21 May 2018	8	15.81	78.65	8.9	33.65	8.2	24.8	2.66

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
A7	21 May 2018	9	15.79	78.76	8.9	33.65	8.2	24.8	2.75
A7	21 May 2018	10	15.78	75.59	8.9	33.65	8.2	24.8	2.69
A7	21 May 2018	11	15.77	67.80	8.9	33.65	8.2	24.8	2.80
A7	21 May 2018	12	15.74	72.25	8.8	33.65	8.2	24.8	2.53
A7	21 May 2018	13	15.71	71.38	8.8	33.65	8.2	24.8	2.64
A7	21 May 2018	14	15.53	74.90	8.6	33.66	8.2	24.8	3.12
A7	21 May 2018	15	15.20	75.41	8.2	33.66	8.2	24.9	3.29
A7	21 May 2018	16	14.97	75.79	7.9	33.65	8.2	24.9	3.19
A7	21 May 2018	17	14.56	75.42	7.5	33.67	8.2	25.0	3.01
A7	21 May 2018	18	13.83	78.64	7.1	33.66	8.1	25.2	2.44
A7	21 May 2018	19	13.99	79.05	7.0	33.62	8.1	25.1	2.16
A7	29 May 2018	1	15.92	71.95	8.0	33.65	8.1	24.7	6.94
A7	29 May 2018	2	15.98	71.38	8.1	33.65	8.1	24.7	7.20
A7	29 May 2018	3	15.99	71.88	8.1	33.66	8.2	24.7	7.54
A7	29 May 2018	4	16.02	72.11	8.1	33.66	8.2	24.7	7.88
A7	29 May 2018	5	15.97	71.77	8.1	33.66	8.2	24.7	8.66
A7	29 May 2018	6	15.81	72.36	7.7	33.67	8.1	24.8	8.35
A7	29 May 2018	7	14.97	75.09	7.0	33.73	8.1	25.0	7.51
A7	29 May 2018	8	13.79	75.37	6.4	33.68	8.0	25.2	6.21
A7	29 May 2018	9	13.58	80.63	5.9	33.65	8.0	25.2	4.22
A7	29 May 2018	10	12.97	82.75	5.3	33.67	7.9	25.4	2.79
A7	29 May 2018	11	12.12	84.65	4.8	33.67	7.9	25.5	1.61
A7	29 May 2018	12	11.79	85.55	4.5	33.65	7.8	25.6	1.05
A7	29 May 2018	13	11.65	85.74	4.4	33.64	7.8	25.6	0.84
A7	29 May 2018	14	11.57	86.04	4.3	33.63	7.8	25.6	0.75
A7	29 May 2018	15	11.46	86.23	4.2	33.64	7.8	25.6	0.67
A7	29 May 2018	16	11.21	86.47	4.1	33.66	7.8	25.7	0.50
A7	29 May 2018	17	11.07	86.58	4.0	33.65	7.8	25.7	0.39
A7	29 May 2018	18	11.09	86.65	4.0	33.65	7.8	25.7	0.30
A7	29 May 2018	19	11.05	86.60	4.0	33.66	7.8	25.7	0.31
A7	29 May 2018	20	11.04	86.43	4.0	33.66	7.8	25.7	0.30
C4	07 May 2018	1	15.51	76.66	9.2	33.65	8.2	24.8	0.13
C4	07 May 2018	2	15.19	76.40	8.6	33.70	8.2	24.9	0.14
C4	07 May 2018	3	13.78	77.31	7.5	33.74	8.2	25.3	0.11
C4	07 May 2018	4	12.58	80.99	6.7	33.71	8.0	25.5	0.17
C4	07 May 2018	5	12.18	83.81	6.1	33.69	8.0	25.5	0.23
C4	07 May 2018	6	11.69	84.98	5.6	33.69	7.9	25.6	0.23
C4	07 May 2018	7	11.50	85.31	5.2	33.67	7.9	25.6	0.27
C4	07 May 2018	8	11.34	84.64	5.0	33.67	7.8	25.7	0.30
C4	07 May 2018	9	11.25	83.91	5.1	33.67	7.8	25.7	0.22
C4	07 May 2018	10	11.22	82.34	5.2	33.67	7.9	25.7	0.12
C4	07 May 2018	11	11.24	81.15	5.3	33.67	7.9	25.7	0.12
C4	14 May 2018	1	17.01	75.91	8.9	33.68	8.2	24.5	0.74
C4	14 May 2018	2	16.64	75.60	9.1	33.70	8.2	24.6	1.05
C4	14 May 2018	3	16.26	74.47	9.3	33.68	8.2	24.7	1.81
C4	14 May 2018	4	16.17	71.25	9.3	33.67	8.2	24.7	2.82
C4	14 May 2018	5	16.05	69.93	9.3	33.67	8.2	24.7	4.05
C4	14 May 2018	6	15.86	72.06	9.2	33.67	8.2	24.8	4.60
C4	14 May 2018	7	15.47	75.39	9.1	33.67	8.2	24.8	4.01
C4	14 May 2018	8	15.18	76.93	8.9	33.66	8.2	24.9	3.08
C4	14 May 2018	9	15.07	78.33	8.8	33.66	8.2	24.9	2.58
C4	14 May 2018	10	14.59	79.73	8.7	33.67	8.2	25.0	2.02

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
C4	14 May 2018	11	14.42	79.87	8.6	33.65	8.2	25.1	1.55
C4	14 May 2018	12	14.42	79.67	8.6	33.64	8.2	25.1	1.59
C4	21 May 2018	1	16.11	59.82	8.5	33.69	8.2	24.7	1.91
C4	21 May 2018	2	16.12	60.44	8.5	33.69	8.2	24.7	2.13
C4	21 May 2018	3	16.13	61.39	8.5	33.69	8.2	24.7	2.21
C4	21 May 2018	4	16.08	61.91	8.3	33.69	8.2	24.7	2.52
C4	21 May 2018	5	16.03	61.51	8.1	33.69	8.2	24.7	2.65
C4	21 May 2018	6	15.90	63.76	7.7	33.68	8.1	24.8	2.28
C4	21 May 2018	7	15.60	65.37	7.1	33.70	8.1	24.8	1.84
C4	21 May 2018	8	14.75	61.05	6.3	33.69	8.0	25.0	1.30
C4	21 May 2018	9	14.30	51.32	5.7	33.66	8.0	25.1	0.91
C4	21 May 2018	10	14.14	47.81	5.6	33.65	8.0	25.1	0.83
C4	29 May 2018	1	15.69	69.21	7.9	33.66	8.1	24.8	4.63
C4	29 May 2018	2	15.82	69.11	7.8	33.66	8.1	24.8	4.96
C4	29 May 2018	3	15.32	68.59	7.6	33.68	8.1	24.9	6.53
C4	29 May 2018	4	14.56	67.98	7.5	33.66	8.1	25.0	7.05
C4	29 May 2018	5	14.35	68.20	7.1	33.64	8.1	25.1	5.52
C4	29 May 2018	6	13.63	68.73	6.5	33.65	8.0	25.2	3.11
C4	29 May 2018	7	13.19	74.81	5.8	33.64	8.0	25.3	1.91
C4	29 May 2018	8	12.40	77.67	5.2	33.64	7.9	25.5	1.45
C4	29 May 2018	9	12.14	80.30	4.7	33.62	7.9	25.5	1.08
C4	29 May 2018	10	12.00	80.55	4.4	33.62	7.8	25.5	0.69
C4	29 May 2018	11	11.87	80.02	4.2	33.67	7.8	25.6	0.55
C4	29 May 2018	12	11.87	78.89	4.2	33.69	7.8	25.6	0.52
C5	07 May 2018	1	15.89	78.84	10.3	33.66	8.3	24.7	0.37
C5	07 May 2018	2	15.88	79.10	10.2	33.66	8.3	24.7	0.52
C5	07 May 2018	3	15.51	77.31	9.6	33.67	8.3	24.8	0.55
C5	07 May 2018	4	13.77	73.92	8.2	33.73	8.2	25.3	0.37
C5	07 May 2018	5	12.58	82.01	6.8	33.69	8.0	25.5	0.33
C5	07 May 2018	6	12.12	81.23	6.1	33.65	7.9	25.5	0.43
C5	07 May 2018	7	11.92	73.28	6.0	33.65	7.9	25.6	0.40
C5	07 May 2018	8	11.91	83.08	6.0	33.65	7.9	25.6	0.67
C5	07 May 2018	9	11.90	85.01	6.0	33.65	7.9	25.6	0.75
C5	07 May 2018	10	11.62	84.49	5.8	33.65	7.9	25.6	0.79
C5	14 May 2018	1	18.12	76.06	8.8	33.70	8.3	24.2	0.42
C5	14 May 2018	2	18.00	76.20	8.8	33.70	8.3	24.3	0.49
C5	14 May 2018	3	17.42	76.93	8.4	33.72	8.3	24.4	0.55
C5	14 May 2018	4	16.45	79.15	7.7	33.71	8.2	24.7	0.53
C5	14 May 2018	5	15.50	81.51	7.2	33.69	8.1	24.9	0.51
C5	14 May 2018	6	14.94	82.35	7.1	33.66	8.1	25.0	0.56
C5	14 May 2018	7	14.66	82.56	7.2	33.65	8.1	25.0	0.77
C5	14 May 2018	8	14.47	82.31	7.5	33.65	8.1	25.0	1.06
C5	14 May 2018	9	14.29	81.84	7.6	33.64	8.1	25.1	1.20
C5	14 May 2018	10	14.27	81.77	7.7	33.64	8.1	25.1	1.23
C5	14 May 2018	11	14.26	81.52	7.7	33.64	8.1	25.1	1.16
C5	21 May 2018	1	16.45	73.61	8.2	33.68	8.2	24.6	1.03
C5	21 May 2018	2	16.44	73.71	8.2	33.69	8.2	24.6	1.05
C5	21 May 2018	3	16.44	74.07	8.2	33.69	8.2	24.6	1.12
C5	21 May 2018	4	16.35	73.80	8.1	33.70	8.2	24.7	1.29
C5	21 May 2018	5	16.11	74.83	7.8	33.70	8.2	24.7	1.26

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
C5	21 May 2018	6	15.78	76.77	7.6	33.68	8.2	24.8	1.08
C5	21 May 2018	7	14.87	77.08	6.8	33.70	8.1	25.0	0.91
C5	21 May 2018	8	14.56	77.74	6.2	33.67	8.0	25.0	0.75
C5	21 May 2018	9	13.03	75.50	5.4	33.68	8.0	25.4	0.61
C5	21 May 2018	10	13.24	70.59	5.3	33.63	7.9	25.3	0.55
C5	21 May 2018	11	12.69	67.79	5.2	33.65	7.9	25.4	0.58
C5	29 May 2018	1	16.16	72.49	8.4	33.67	8.2	24.7	4.48
C5	29 May 2018	2	16.26	72.07	8.3	33.67	8.2	24.7	5.06
C5	29 May 2018	3	16.12	72.05	8.0	33.67	8.2	24.7	5.30
C5	29 May 2018	4	15.42	73.78	7.3	33.67	8.1	24.9	4.19
C5	29 May 2018	5	14.69	77.73	6.6	33.67	8.1	25.0	2.80
C5	29 May 2018	6	14.19	80.73	6.1	33.66	8.0	25.1	1.97
C5	29 May 2018	7	13.65	82.15	5.5	33.65	8.0	25.2	1.37
C5	29 May 2018	8	13.09	83.70	4.8	33.65	7.9	25.3	0.80
C5	29 May 2018	9	12.86	83.29	4.3	33.63	7.8	25.4	0.49
C5	29 May 2018	10	12.38	84.43	4.1	33.63	7.8	25.5	0.40
C5	29 May 2018	11	12.08	83.98	4.0	33.63	7.8	25.5	0.34
C6	07 May 2018	1	15.59	78.02	10.3	33.66	8.3	24.8	0.97
C6	07 May 2018	2	15.55	75.92	9.9	33.66	8.3	24.8	7.74
C6	07 May 2018	3	14.94	74.52	8.8	33.67	8.3	25.0	2.78
C6	07 May 2018	4	13.53	73.77	7.8	33.70	8.2	25.3	1.89
C6	07 May 2018	5	12.69	75.54	7.0	33.68	8.1	25.4	0.86
C6	07 May 2018	6	12.00	78.82	6.5	33.67	8.0	25.6	0.82
C6	07 May 2018	7	11.84	82.13	6.3	33.67	7.9	25.6	1.40
C6	07 May 2018	8	11.61	81.88	6.1	33.66	7.9	25.6	0.99
C6	07 May 2018	9	11.64	84.79	6.0	33.65	7.9	25.6	1.37
C6	14 May 2018	1	18.11	73.19	10.4	33.68	8.4	24.2	0.86
C6	14 May 2018	2	18.06	74.16	10.3	33.68	8.4	24.2	0.88
C6	14 May 2018	3	17.85	75.03	9.8	33.69	8.3	24.3	0.90
C6	14 May 2018	4	17.50	74.67	9.1	33.69	8.3	24.4	0.95
C6	14 May 2018	5	16.72	73.01	8.2	33.68	8.2	24.6	0.77
C6	14 May 2018	6	15.82	77.36	7.6	33.67	8.2	24.8	0.70
C6	14 May 2018	7	15.56	81.31	7.3	33.64	8.1	24.8	0.54
C6	14 May 2018	8	15.55	81.44	7.2	33.63	8.1	24.8	0.51
C6	14 May 2018	9	15.06	82.71	7.3	33.63	8.1	24.9	0.43
C6	14 May 2018	10	15.05	82.62	7.3	33.62	8.1	24.9	0.39
C6	21 May 2018	1	16.34	74.83	9.4	33.67	8.3	24.7	2.68
C6	21 May 2018	2	16.34	75.56	9.4	33.68	8.3	24.7	2.23
C6	21 May 2018	3	16.33	75.75	9.3	33.68	8.3	24.7	2.31
C6	21 May 2018	4	16.23	75.72	9.0	33.68	8.2	24.7	2.56
C6	21 May 2018	5	16.22	76.89	8.8	33.68	8.2	24.7	2.48
C6	21 May 2018	6	15.84	75.83	7.7	33.68	8.2	24.8	1.64
C6	21 May 2018	7	14.28	73.89	6.3	33.67	8.0	25.1	0.89
C6	21 May 2018	8	14.30	71.11	6.0	33.67	8.0	25.1	0.73
C6	21 May 2018	9	13.63	69.12	5.5	33.67	8.0	25.2	0.66
C6	29 May 2018	1	16.31	75.61	8.3	33.66	8.2	24.6	3.57
C6	29 May 2018	2	16.34	75.55	8.2	33.66	8.2	24.6	3.77
C6	29 May 2018	3	16.05	76.73	7.7	33.67	8.2	24.7	3.49
C6	29 May 2018	4	14.80	80.54	6.8	33.70	8.1	25.0	2.21
C6	29 May 2018	5	14.17	81.78	6.2	33.66	8.0	25.1	1.37

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
C6	29 May 2018	6	13.85	82.63	5.7	33.65	8.0	25.2	1.09
C6	29 May 2018	7	13.15	83.23	5.0	33.66	7.9	25.3	0.80
C6	29 May 2018	8	12.68	84.31	4.4	33.64	7.8	25.4	0.53
C6	29 May 2018	9	12.39	84.66	4.1	33.64	7.8	25.5	0.43
C6	29 May 2018	10	12.09	83.88	3.8	33.63	7.8	25.5	0.35
C6	29 May 2018	11	12.09	82.98	3.8	33.63	7.8	25.5	0.32
C7	07 May 2018	1	15.28	78.52	8.7	33.63	8.1	24.9	1.26
C7	07 May 2018	2	15.20	78.39	8.6	33.63	8.1	24.9	1.44
C7	07 May 2018	3	15.08	78.87	8.2	33.63	8.1	24.9	1.61
C7	07 May 2018	4	14.08	81.14	7.6	33.68	8.1	25.1	1.48
C7	07 May 2018	5	12.99	82.03	7.1	33.67	8.0	25.4	1.50
C7	07 May 2018	6	12.79	83.01	6.5	33.63	8.0	25.4	1.50
C7	07 May 2018	7	11.61	84.39	5.8	33.68	7.9	25.6	1.31
C7	07 May 2018	8	11.29	85.50	5.3	33.65	7.9	25.7	1.13
C7	07 May 2018	9	11.20	86.32	5.1	33.65	7.8	25.7	1.07
C7	07 May 2018	10	11.20	86.37	5.0	33.65	7.8	25.7	1.11
C7	07 May 2018	11	11.09	86.27	4.9	33.65	7.8	25.7	1.28
C7	07 May 2018	12	11.01	86.42	4.9	33.66	7.8	25.7	1.27
C7	07 May 2018	13	11.03	86.61	4.8	33.66	7.8	25.7	1.28
C7	07 May 2018	14	10.91	86.84	4.7	33.67	7.8	25.8	1.16
C7	07 May 2018	15	10.91	87.00	4.6	33.67	7.8	25.8	1.16
C7	07 May 2018	16	10.87	87.51	4.5	33.68	7.8	25.8	0.87
C7	07 May 2018	17	10.88	87.78	4.5	33.69	7.8	25.8	0.56
C7	07 May 2018	18	10.89	87.18	4.5	33.69	7.8	25.8	0.46
C7	14 May 2018	1	17.46	81.51	8.7	33.64	8.2	24.4	0.53
C7	14 May 2018	2	17.42	81.51	8.7	33.64	8.2	24.4	0.57
C7	14 May 2018	3	17.35	81.74	8.7	33.64	8.2	24.4	0.76
C7	14 May 2018	4	17.09	81.58	8.8	33.64	8.2	24.4	1.01
C7	14 May 2018	5	16.89	80.06	8.8	33.61	8.2	24.5	1.19
C7	14 May 2018	6	15.63	77.57	9.0	33.63	8.2	24.8	2.26
C7	14 May 2018	7	15.58	76.17	9.0	33.62	8.2	24.8	2.99
C7	14 May 2018	8	15.45	76.01	8.8	33.62	8.2	24.8	3.71
C7	14 May 2018	9	15.11	76.72	8.5	33.63	8.2	24.9	4.03
C7	14 May 2018	10	14.84	77.11	8.4	33.63	8.1	24.9	4.10
C7	14 May 2018	11	14.75	77.08	8.3	33.62	8.1	25.0	4.14
C7	14 May 2018	12	14.72	77.25	8.3	33.62	8.1	25.0	4.24
C7	14 May 2018	13	14.61	76.96	8.2	33.63	8.1	25.0	4.52
C7	14 May 2018	14	14.40	75.77	8.2	33.63	8.1	25.0	5.11
C7	14 May 2018	15	14.25	74.25	8.1	33.62	8.1	25.1	5.76
C7	14 May 2018	16	13.74	76.92	7.4	33.64	8.1	25.2	4.80
C7	14 May 2018	17	13.24	80.38	6.7	33.65	8.0	25.3	3.18
C7	14 May 2018	18	12.66	83.00	6.3	33.65	8.0	25.4	2.31
C7	14 May 2018	19	12.64	82.31	6.5	33.59	8.0	25.4	2.28
C7	21 May 2018	1	15.85	73.91	8.8	33.65	8.2	24.7	2.70
C7	21 May 2018	2	15.85	75.48	8.9	33.65	8.2	24.7	2.58
C7	21 May 2018	3	15.86	76.42	8.9	33.65	8.2	24.7	2.69
C7	21 May 2018	4	15.85	76.67	8.9	33.65	8.2	24.7	2.80
C7	21 May 2018	5	15.85	76.66	8.9	33.65	8.2	24.7	3.12
C7	21 May 2018	6	15.85	76.50	8.9	33.65	8.2	24.7	3.57
C7	21 May 2018	7	15.83	76.00	8.8	33.65	8.2	24.8	3.83
C7	21 May 2018	8	15.82	75.73	8.8	33.65	8.2	24.8	4.04
C7	21 May 2018	9	15.82	75.68	8.8	33.65	8.2	24.8	4.49

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
C7	21 May 2018	10	15.78	73.98	8.7	33.66	8.2	24.8	4.85
C7	21 May 2018	11	15.69	70.53	8.6	33.66	8.2	24.8	5.92
C7	21 May 2018	12	15.48	70.93	8.3	33.66	8.2	24.8	7.30
C7	21 May 2018	13	15.39	71.26	8.2	33.66	8.2	24.9	7.44
C7	21 May 2018	14	15.21	71.48	8.1	33.66	8.2	24.9	7.49
C7	21 May 2018	15	15.06	72.97	7.6	33.66	8.1	24.9	7.09
C7	21 May 2018	16	13.72	79.63	6.6	33.71	8.1	25.3	5.51
C7	21 May 2018	17	12.56	82.63	5.8	33.70	7.9	25.5	2.67
C7	21 May 2018	18	13.43	81.87	5.9	33.62	8.0	25.2	1.56
C7	29 May 2018	1	16.34	68.52	8.2	33.66	8.1	24.6	6.63
C7	29 May 2018	2	16.28	68.38	8.1	33.66	8.1	24.7	7.00
C7	29 May 2018	3	15.69	69.45	8.0	33.67	8.1	24.8	6.87
C7	29 May 2018	4	15.41	71.17	7.9	33.66	8.1	24.8	6.81
C7	29 May 2018	5	15.24	71.47	7.7	33.65	8.1	24.9	7.37
C7	29 May 2018	6	14.93	70.38	7.4	33.65	8.1	24.9	7.94
C7	29 May 2018	7	14.08	70.01	6.8	33.67	8.0	25.1	5.98
C7	29 May 2018	8	13.37	75.99	6.2	33.65	8.0	25.3	3.93
C7	29 May 2018	9	13.02	80.62	5.8	33.63	7.9	25.3	2.97
C7	29 May 2018	10	12.90	81.57	5.4	33.63	7.9	25.4	2.16
C7	29 May 2018	11	12.51	82.89	5.0	33.65	7.9	25.4	1.48
C7	29 May 2018	12	11.97	84.82	4.6	33.64	7.8	25.5	1.03
C7	29 May 2018	13	11.78	85.29	4.4	33.63	7.8	25.6	0.73
C7	29 May 2018	14	11.57	85.61	4.2	33.64	7.8	25.6	0.57
C7	29 May 2018	15	11.45	85.92	4.0	33.64	7.8	25.6	0.48
C7	29 May 2018	16	11.30	86.15	3.9	33.65	7.8	25.7	0.40
C7	29 May 2018	17	11.04	86.22	3.8	33.66	7.8	25.7	0.32
C7	29 May 2018	18	10.89	86.06	3.6	33.67	7.7	25.8	0.22
C7	29 May 2018	19	10.91	85.90	3.6	33.66	7.7	25.8	0.22
C8	07 May 2018	1	15.31	74.60	8.7	33.62	8.1	24.8	1.35
C8	07 May 2018	2	15.32	76.76	8.7	33.62	8.1	24.8	1.50
C8	07 May 2018	3	15.16	76.83	8.6	33.62	8.1	24.9	1.80
C8	07 May 2018	4	14.81	76.49	8.2	33.63	8.1	25.0	1.80
C8	07 May 2018	5	14.45	79.94	7.3	33.64	8.1	25.0	1.61
C8	07 May 2018	6	12.34	82.97	6.3	33.69	8.0	25.5	1.40
C8	07 May 2018	7	11.67	84.83	5.8	33.64	7.9	25.6	1.21
C8	07 May 2018	8	11.75	85.14	5.6	33.63	7.9	25.6	1.22
C8	07 May 2018	9	11.24	85.49	5.3	33.64	7.8	25.7	1.28
C8	07 May 2018	10	11.16	86.06	5.0	33.64	7.8	25.7	1.26
C8	07 May 2018	11	11.04	87.05	4.8	33.66	7.8	25.7	1.06
C8	07 May 2018	12	10.91	87.46	4.6	33.67	7.8	25.8	0.87
C8	07 May 2018	13	10.80	87.75	4.4	33.68	7.8	25.8	0.80
C8	07 May 2018	14	10.79	88.05	4.3	33.69	7.8	25.8	0.61
C8	07 May 2018	15	10.75	88.08	4.2	33.69	7.8	25.8	0.55
C8	07 May 2018	16	10.76	88.16	4.1	33.69	7.8	25.8	0.54
C8	07 May 2018	17	10.74	88.23	4.1	33.70	7.8	25.8	0.51
C8	07 May 2018	18	10.73	88.19	4.1	33.70	7.8	25.8	0.46
C8	07 May 2018	19	10.73	87.24	4.1	33.70	7.8	25.8	0.48
C8	14 May 2018	1	17.64	78.52	8.8	33.64	8.2	24.3	0.78
C8	14 May 2018	2	17.63	78.51	8.8	33.64	8.2	24.3	0.81
C8	14 May 2018	3	17.49	78.00	8.8	33.64	8.2	24.4	1.09
C8	14 May 2018	4	17.42	77.41	9.0	33.64	8.2	24.4	1.32
C8	14 May 2018	5	17.32	77.94	9.1	33.64	8.2	24.4	1.44

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
C8	14 May 2018	6	17.26	78.46	9.1	33.63	8.2	24.4	1.62
C8	14 May 2018	7	17.24	78.26	9.1	33.63	8.2	24.4	1.83
C8	14 May 2018	8	17.13	77.63	9.0	33.63	8.2	24.4	2.27
C8	14 May 2018	9	16.99	77.28	8.9	33.63	8.2	24.5	2.70
C8	14 May 2018	10	16.56	76.42	8.8	33.64	8.2	24.6	3.36
C8	14 May 2018	11	16.28	76.03	8.7	33.63	8.2	24.6	4.01
C8	14 May 2018	12	15.70	74.06	8.5	33.64	8.2	24.8	5.05
C8	14 May 2018	13	15.11	73.05	8.1	33.65	8.2	24.9	5.63
C8	14 May 2018	14	14.10	75.08	7.9	33.64	8.1	25.1	5.17
C8	14 May 2018	15	13.98	77.84	7.4	33.61	8.1	25.1	4.72
C8	14 May 2018	16	12.92	80.56	6.9	33.65	8.0	25.4	3.84
C8	14 May 2018	17	12.40	80.04	6.8	33.62	8.0	25.4	4.61
C8	14 May 2018	18	12.30	77.41	6.7	33.65	8.0	25.5	4.85
C8	14 May 2018	19	11.94	76.96	6.5	33.63	8.0	25.5	6.15
C8	14 May 2018	20	11.94	77.41	6.5	33.63	8.0	25.5	6.35
C8	21 May 2018	1	15.76	65.59	8.8	33.65	8.2	24.8	3.58
C8	21 May 2018	2	15.76	64.53	8.8	33.65	8.2	24.8	4.22
C8	21 May 2018	3	15.75	71.81	8.8	33.65	8.2	24.8	4.38
C8	21 May 2018	4	15.70	74.20	8.8	33.65	8.2	24.8	4.63
C8	21 May 2018	5	15.69	74.54	8.8	33.65	8.2	24.8	4.58
C8	21 May 2018	6	15.65	74.31	8.8	33.65	8.2	24.8	4.73
C8	21 May 2018	7	15.63	74.03	8.8	33.65	8.2	24.8	5.07
C8	21 May 2018	8	15.51	72.56	8.7	33.65	8.2	24.8	5.86
C8	21 May 2018	9	15.38	71.86	8.6	33.65	8.2	24.8	6.47
C8	21 May 2018	10	15.27	69.54	8.4	33.65	8.2	24.9	7.39
C8	21 May 2018	11	15.12	69.67	8.2	33.65	8.2	24.9	8.05
C8	21 May 2018	12	14.94	70.45	8.0	33.65	8.2	24.9	7.66
C8	21 May 2018	13	14.76	74.70	7.5	33.65	8.1	25.0	6.41
C8	21 May 2018	14	14.30	79.74	6.6	33.66	8.1	25.1	3.67
C8	21 May 2018	15	13.28	80.44	5.6	33.68	8.0	25.3	1.98
C8	21 May 2018	16	12.67	78.78	4.9	33.65	7.9	25.4	1.02
C8	21 May 2018	17	12.55	77.34	4.8	33.64	7.9	25.4	0.86
C8	21 May 2018	18	12.47	74.99	4.9	33.64	7.9	25.4	0.78
C8	21 May 2018	19	12.52	73.61	4.9	33.64	7.9	25.4	0.77
C8	29 May 2018	1	16.39	70.51	8.4	33.64	8.1	24.6	5.98
C8	29 May 2018	2	16.50	70.31	8.3	33.65	8.2	24.6	6.40
C8	29 May 2018	3	16.16	68.68	7.9	33.66	8.1	24.7	7.67
C8	29 May 2018	4	15.45	69.09	7.5	33.67	8.1	24.8	8.14
C8	29 May 2018	5	14.71	70.56	6.9	33.65	8.0	25.0	8.12
C8	29 May 2018	6	13.79	73.80	6.1	33.65	8.0	25.2	6.39
C8	29 May 2018	7	12.27	79.59	5.5	33.65	7.9	25.5	3.74
C8	29 May 2018	8	11.77	83.19	5.2	33.60	7.9	25.5	2.28
C8	29 May 2018	9	11.60	84.79	4.8	33.59	7.8	25.6	1.48
C8	29 May 2018	10	11.53	84.37	4.5	33.60	7.8	25.6	1.11
C8	29 May 2018	11	11.50	84.52	4.4	33.60	7.8	25.6	0.91
C8	29 May 2018	12	11.37	85.03	4.5	33.61	7.8	25.6	0.87
C8	29 May 2018	13	11.22	86.09	4.5	33.61	7.8	25.7	0.85
C8	29 May 2018	14	11.15	85.44	4.2	33.62	7.8	25.7	0.67
C8	29 May 2018	15	11.15	84.70	4.1	33.62	7.8	25.7	0.62
C8	29 May 2018	16	11.14	84.18	4.0	33.63	7.8	25.7	0.57
C8	29 May 2018	17	11.14	83.85	3.9	33.64	7.8	25.7	0.57
C8	29 May 2018	18	11.14	83.52	3.9	33.64	7.8	25.7	0.50
C8	29 May 2018	19	11.14	83.29	3.8	33.64	7.8	25.7	0.48

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
C8	29 May 2018	20	11.14	82.77	3.8	33.64	7.8	25.7	0.45

NA = not available

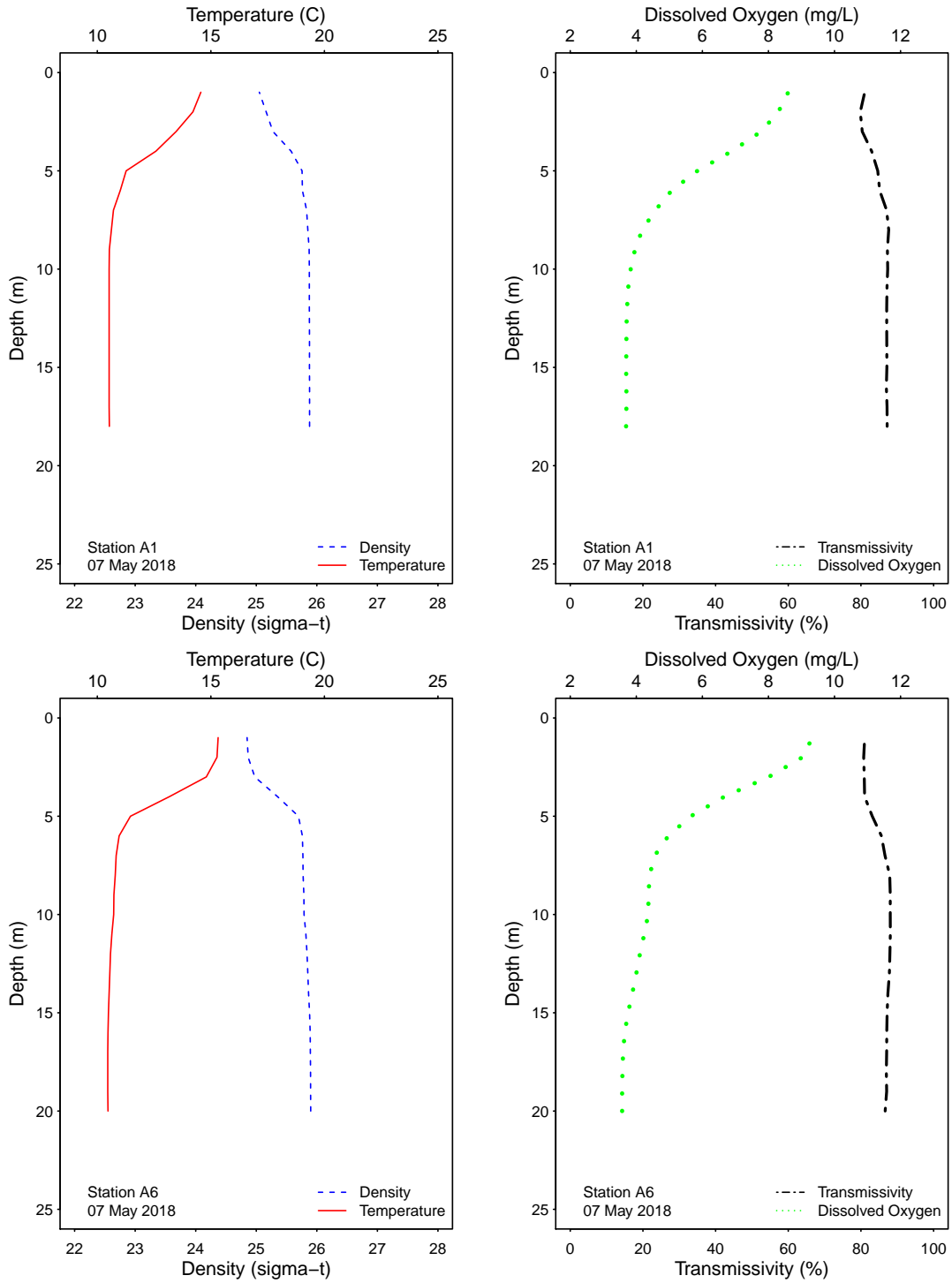


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

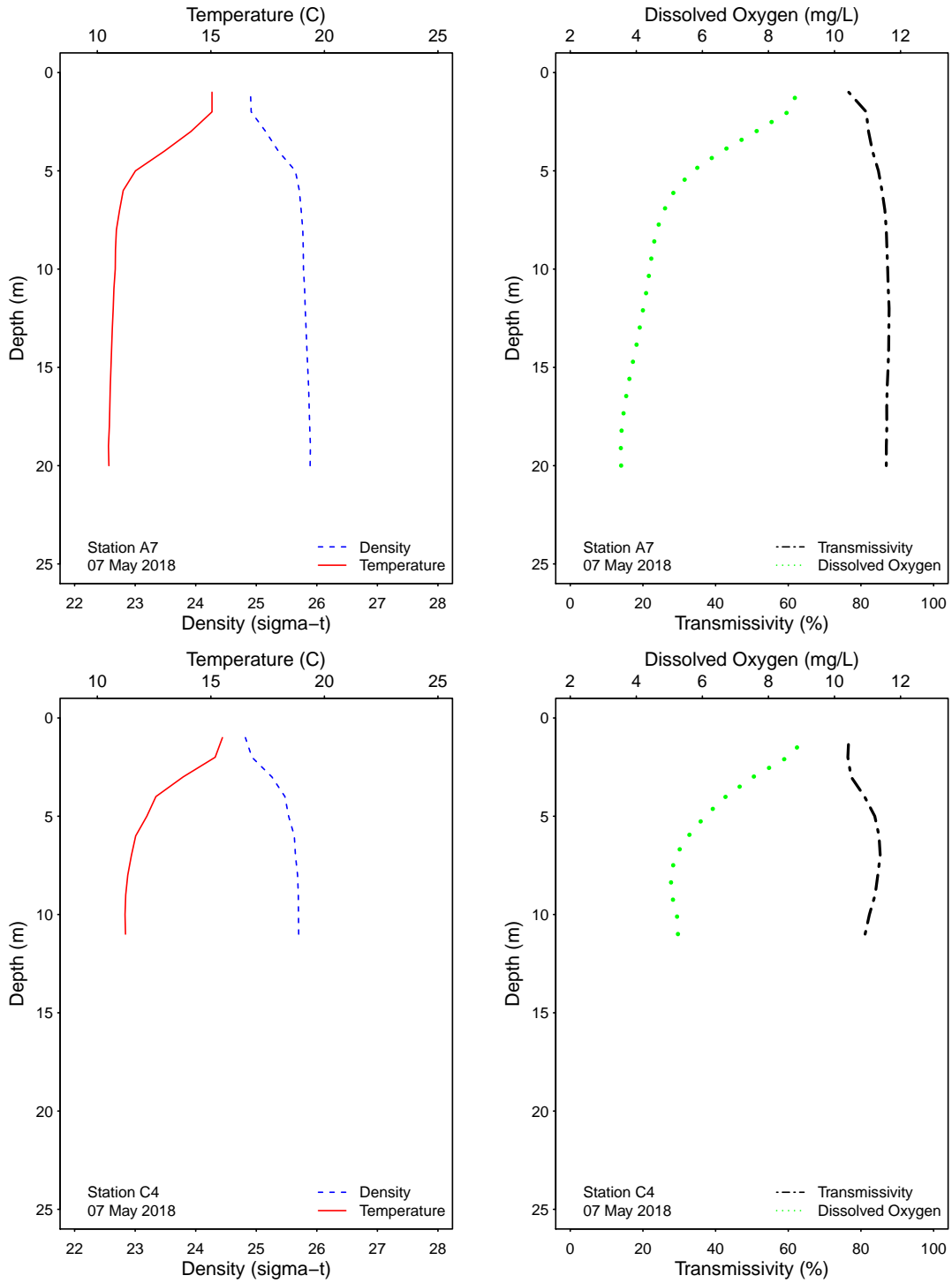


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

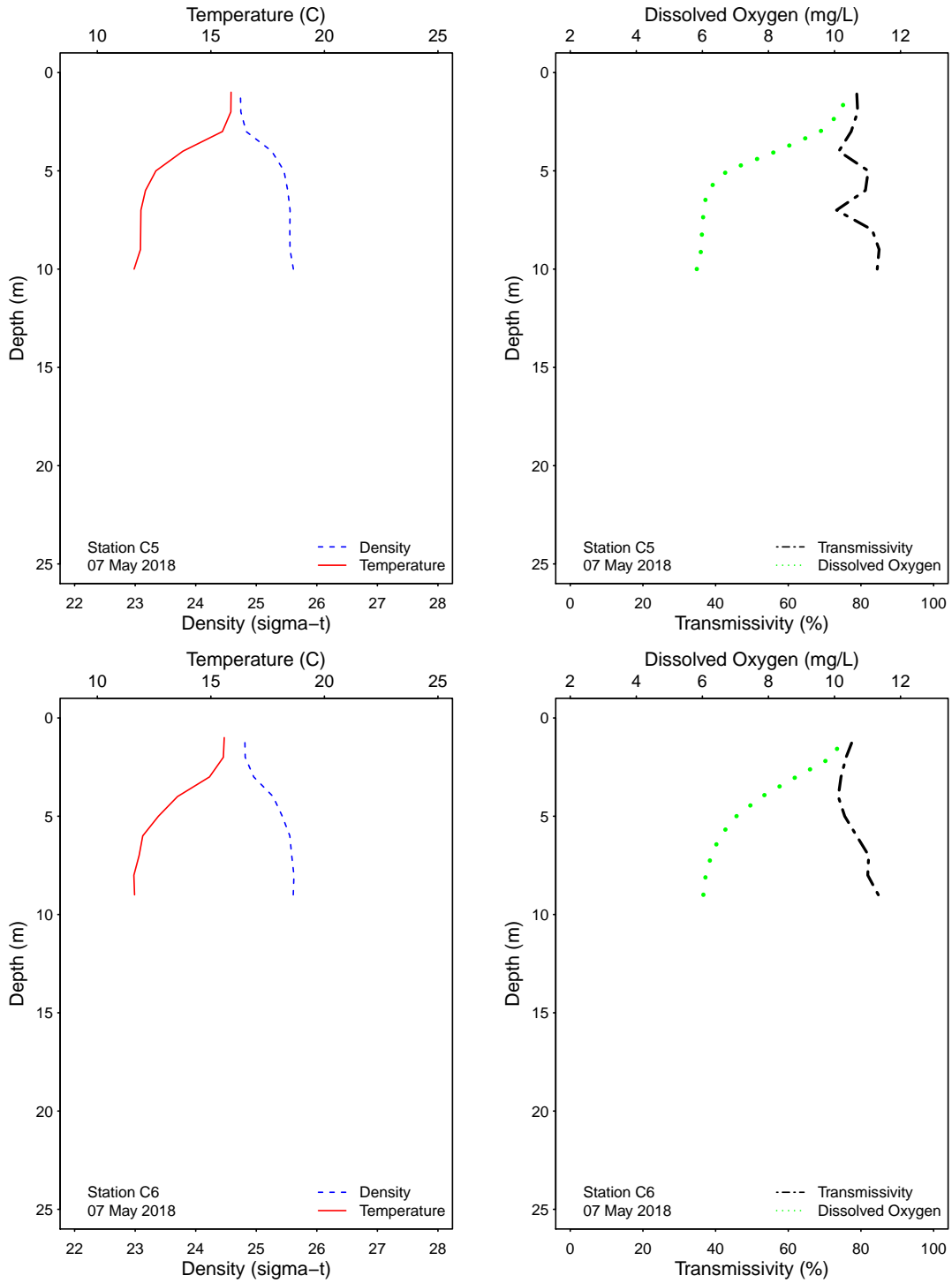


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

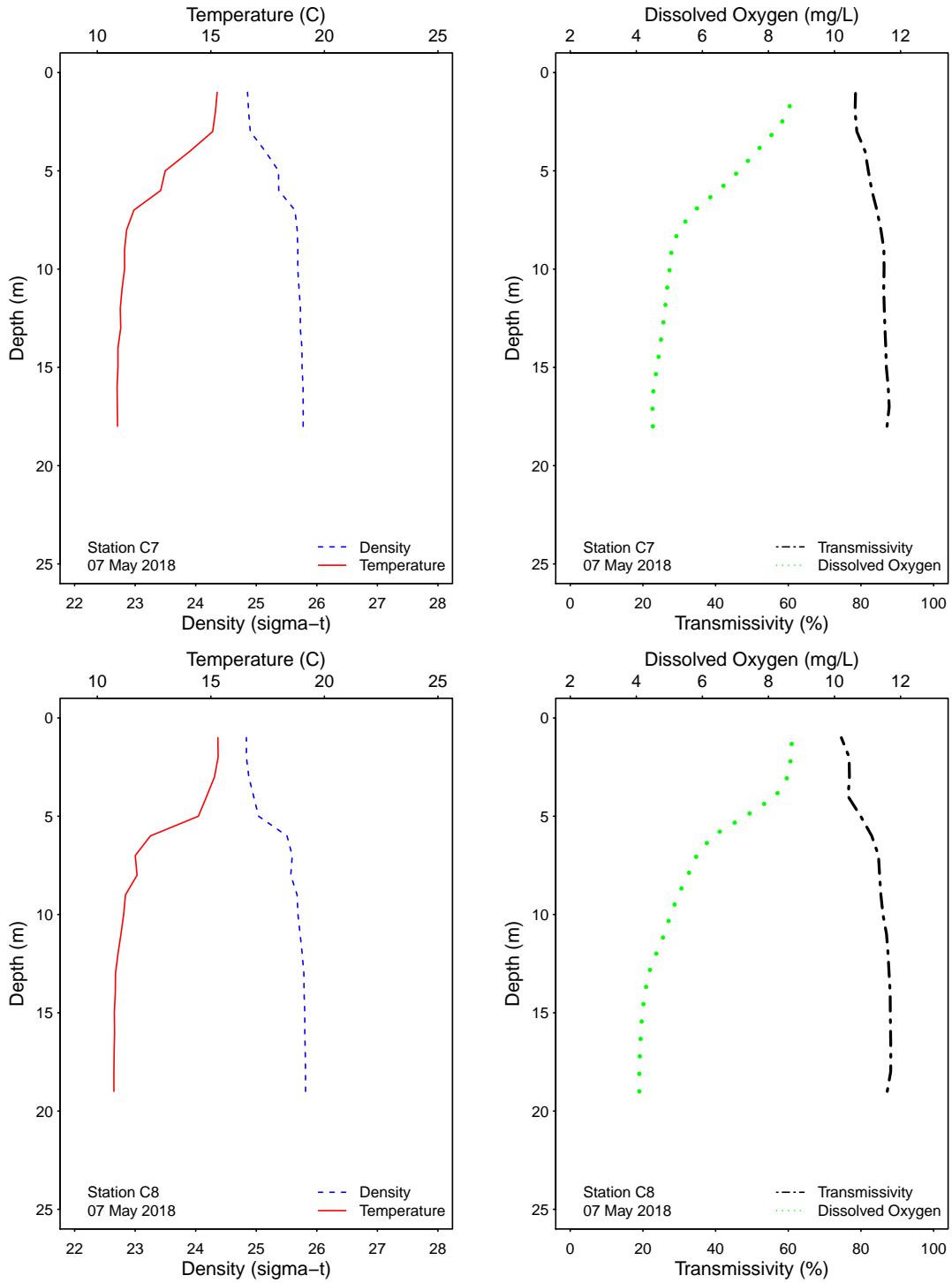


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

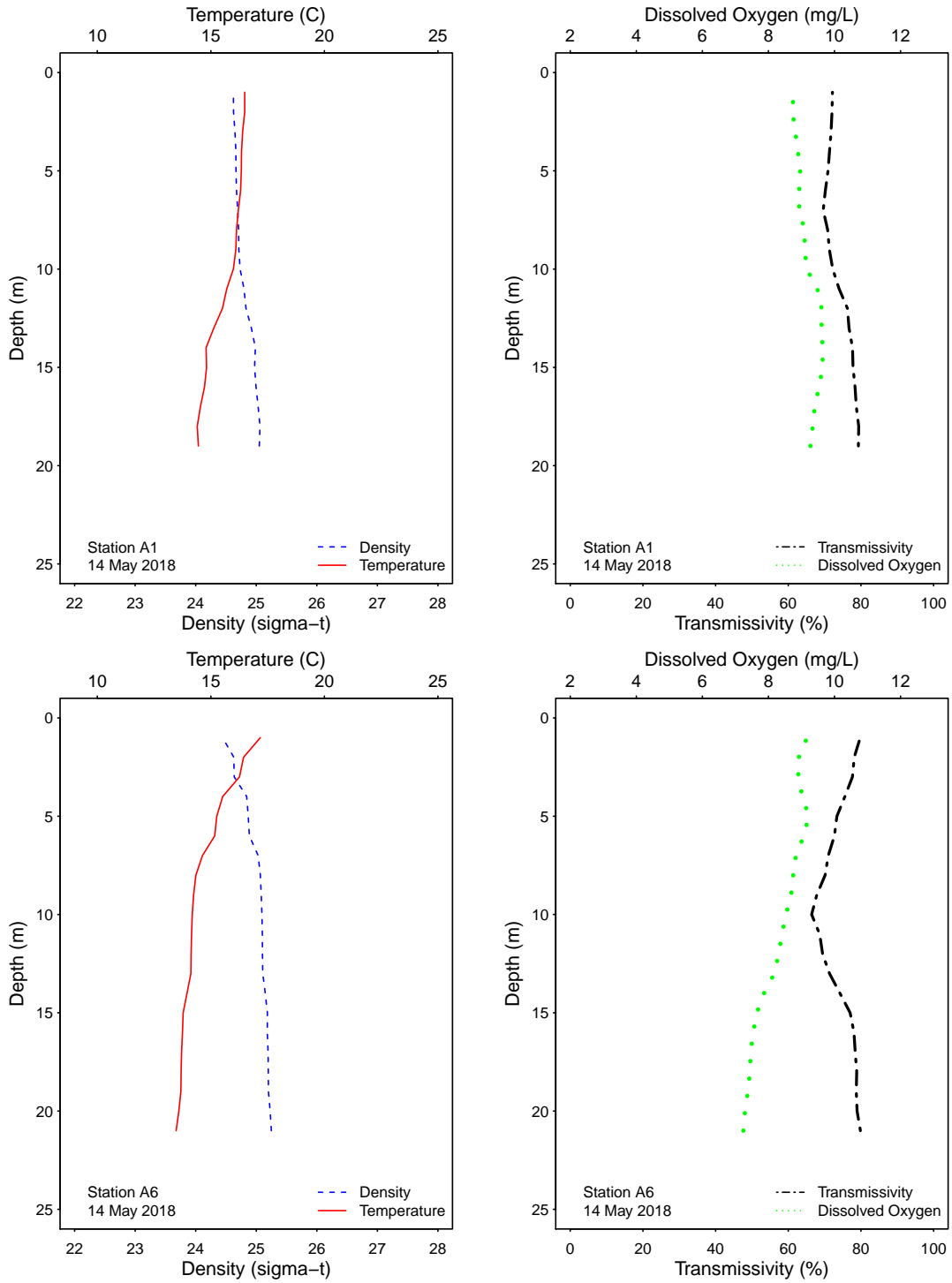


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

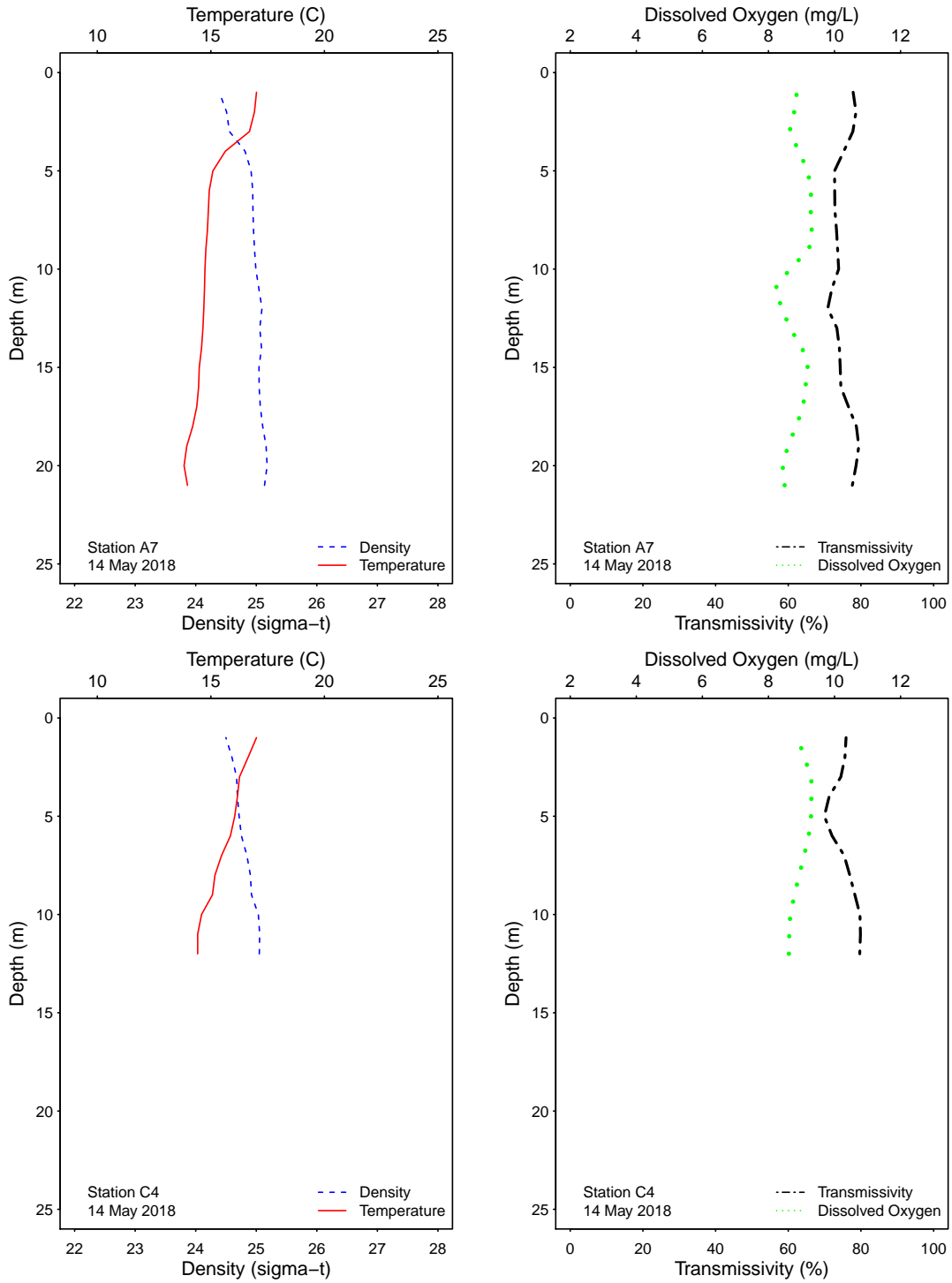


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

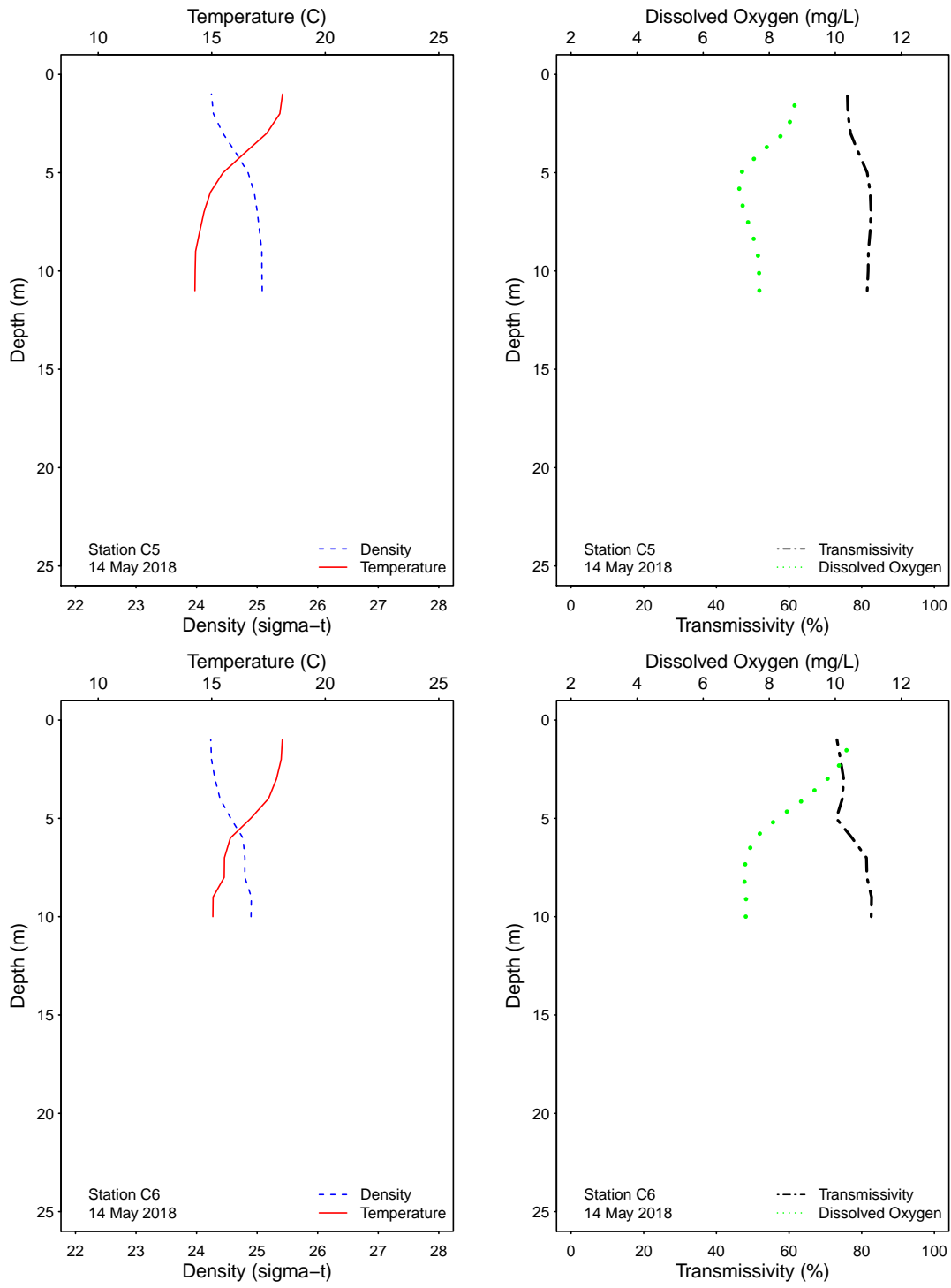


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

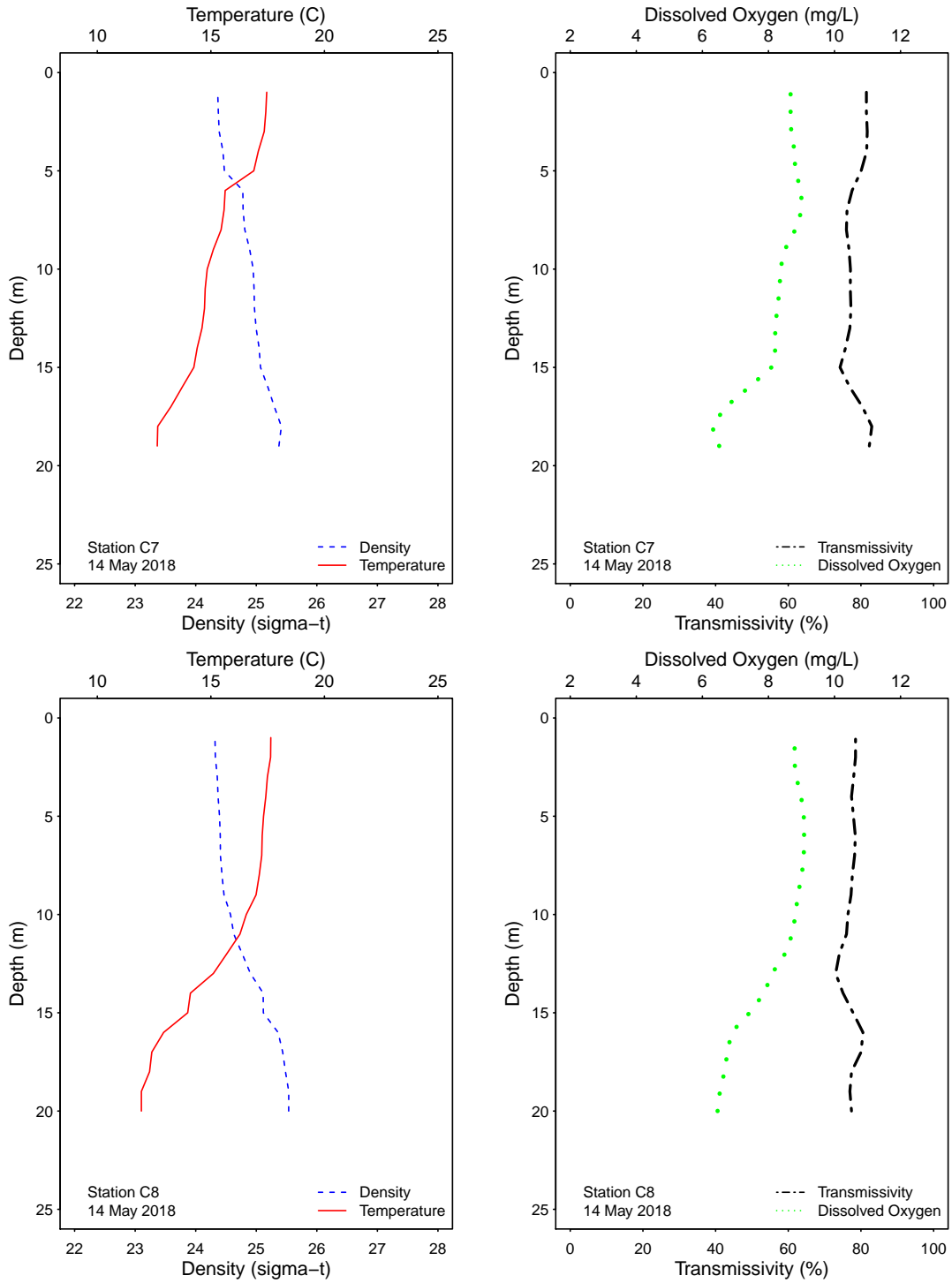


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

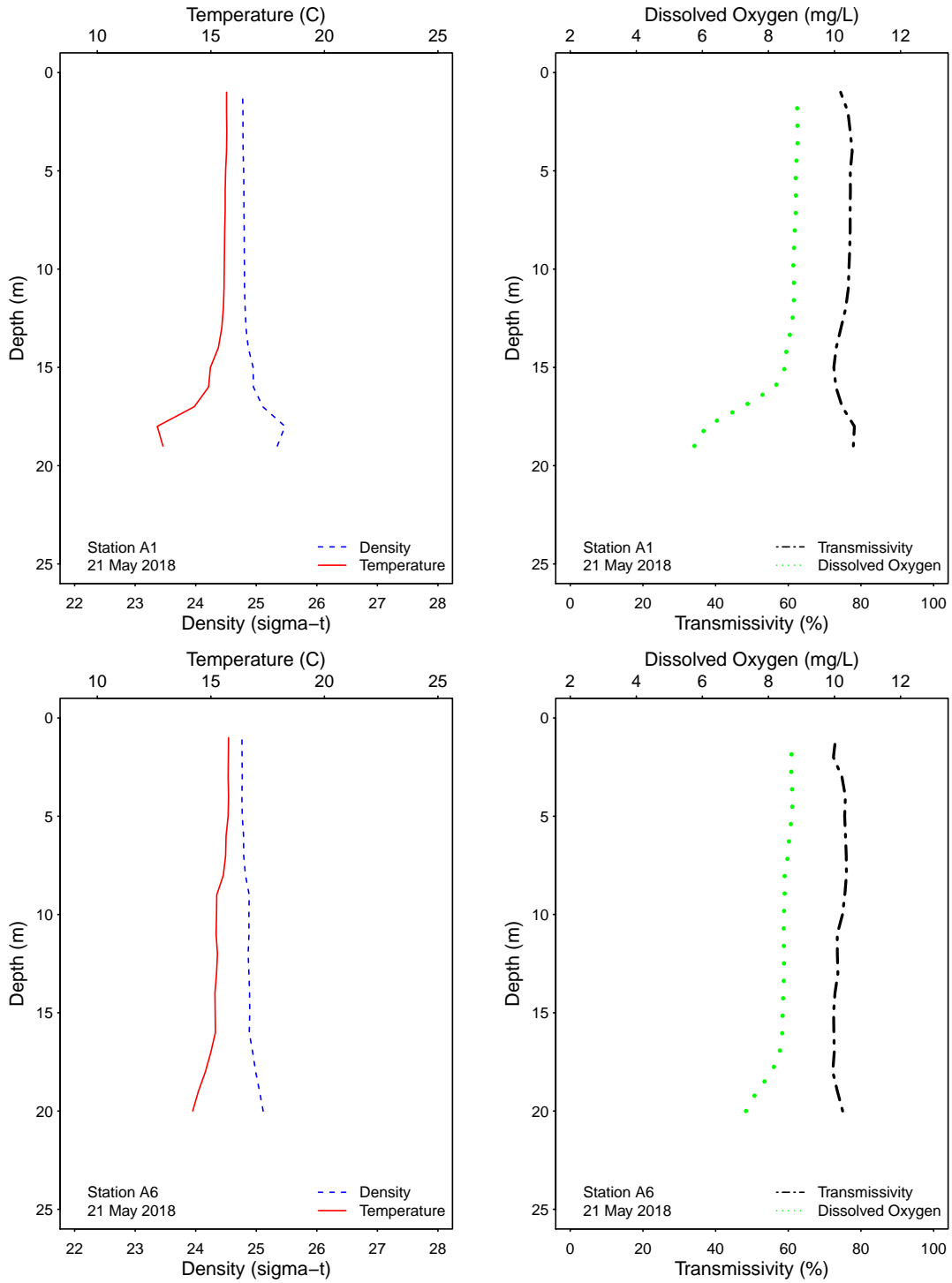


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

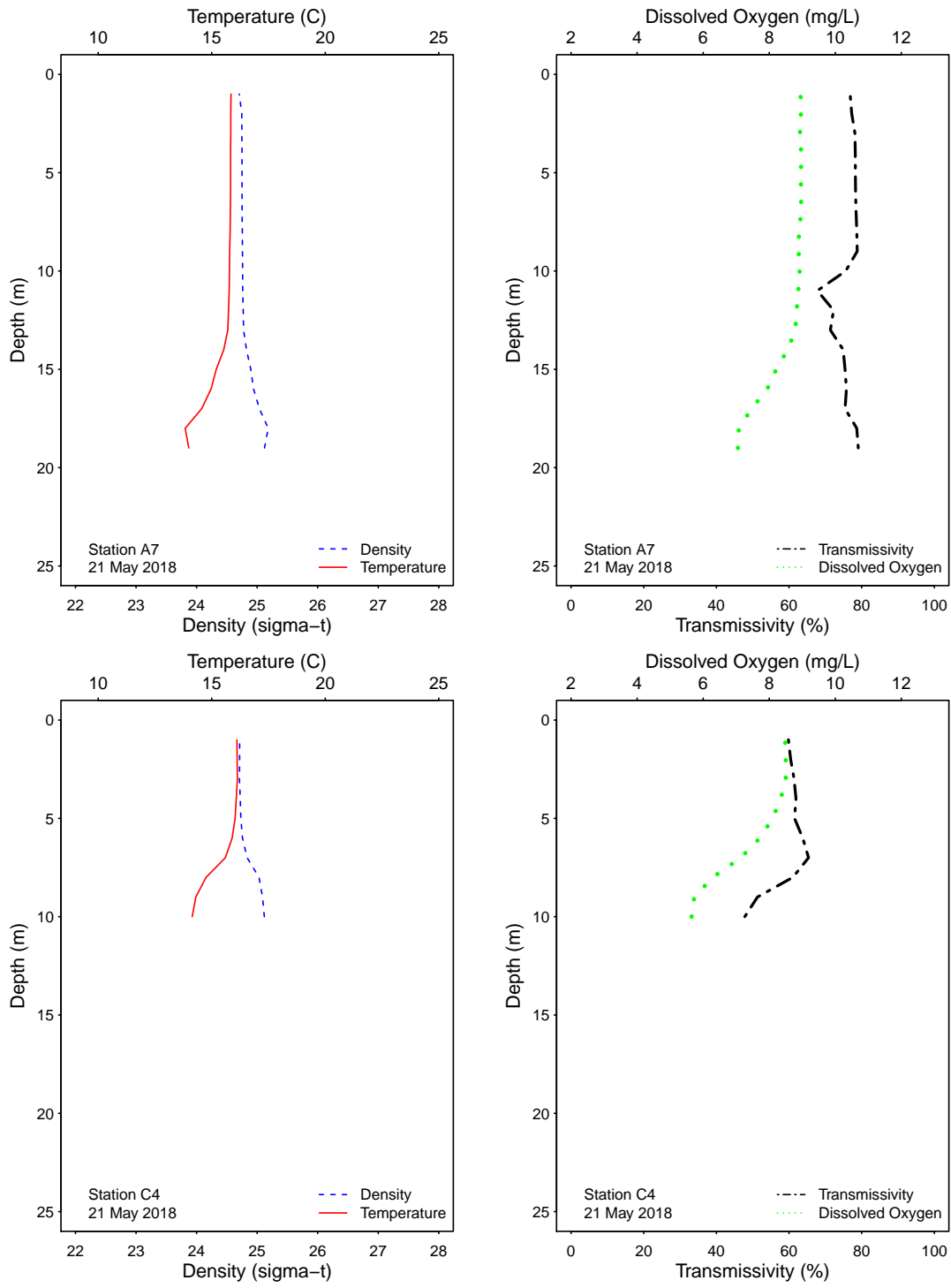


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

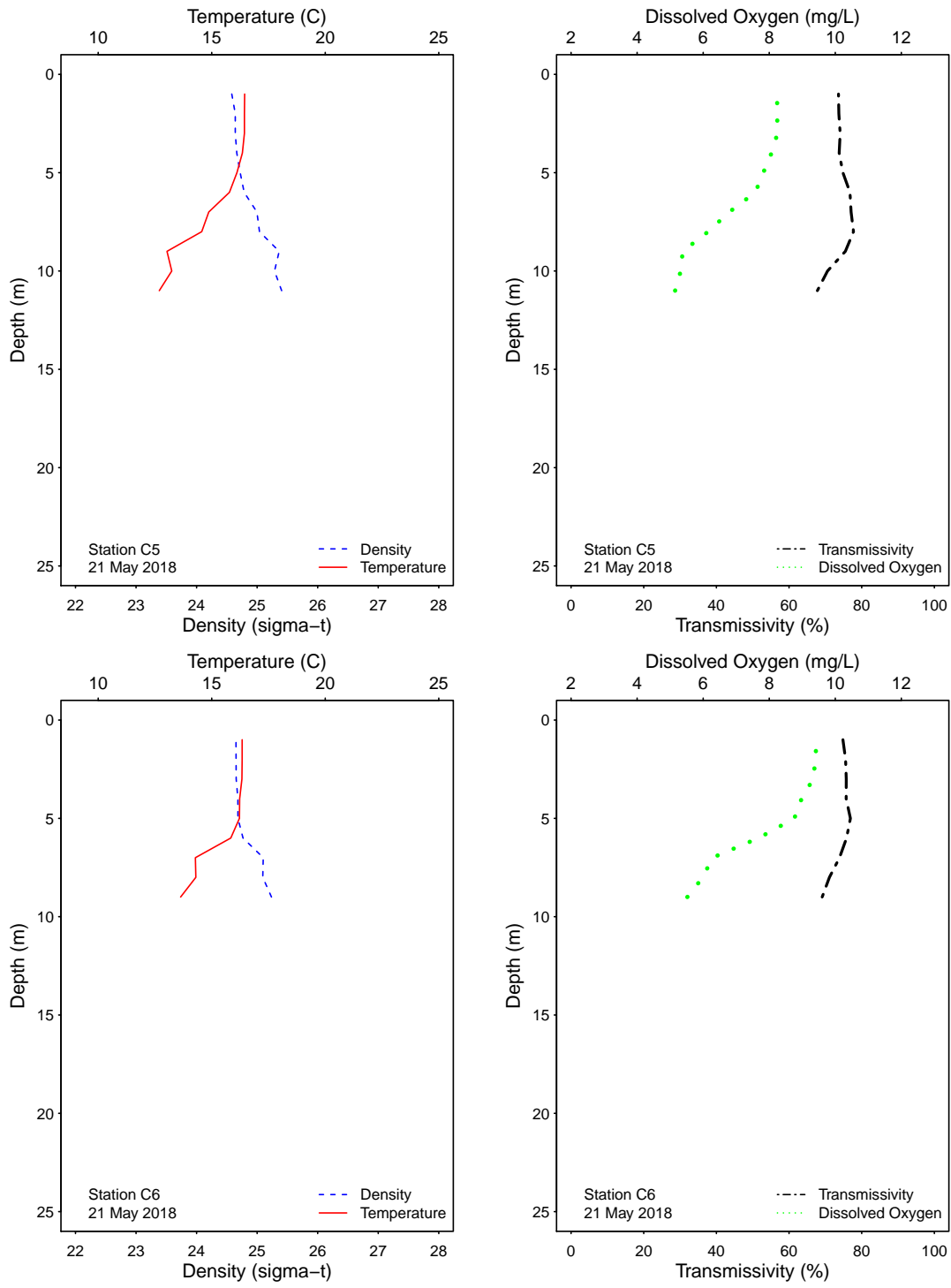


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

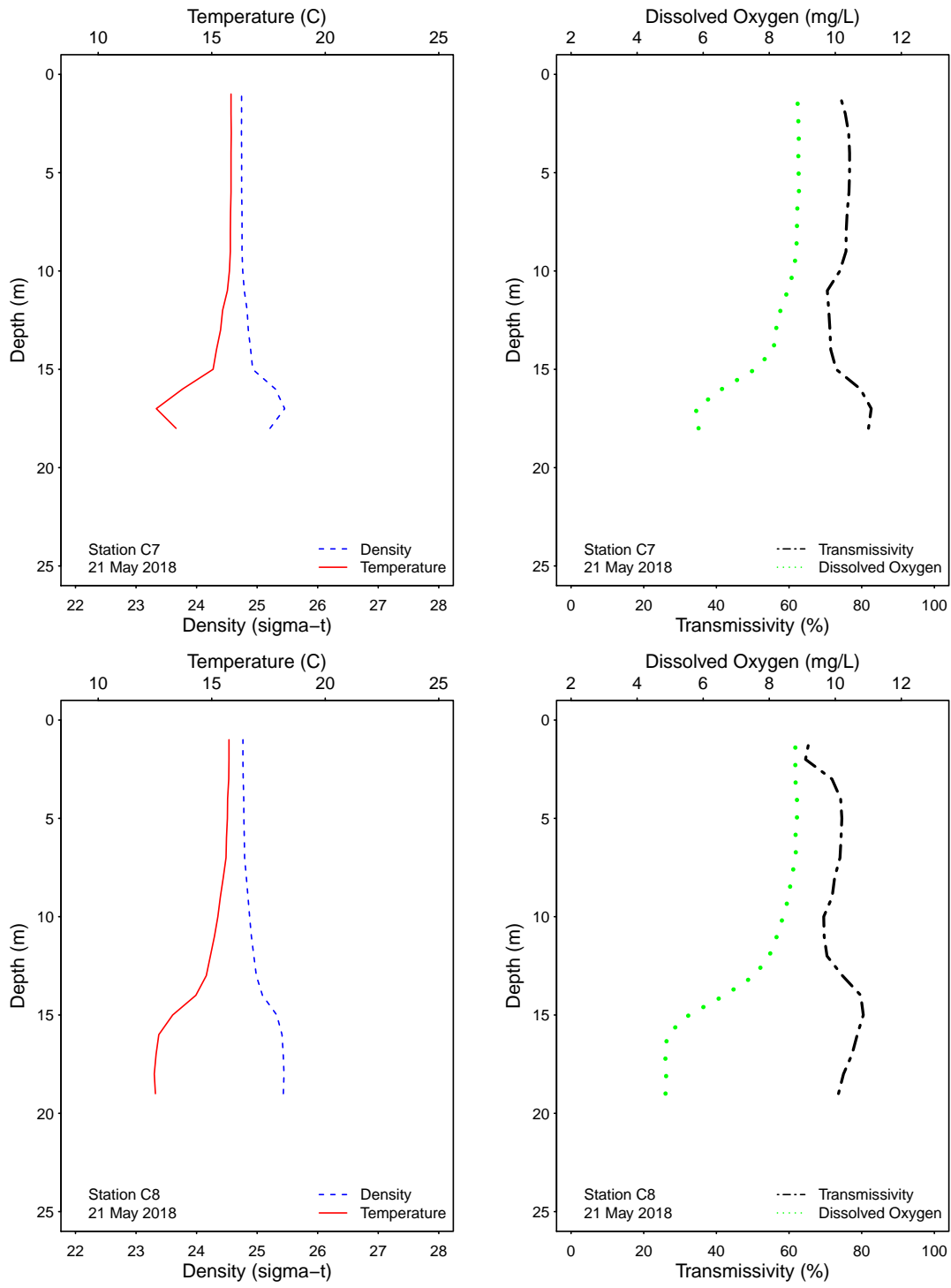


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

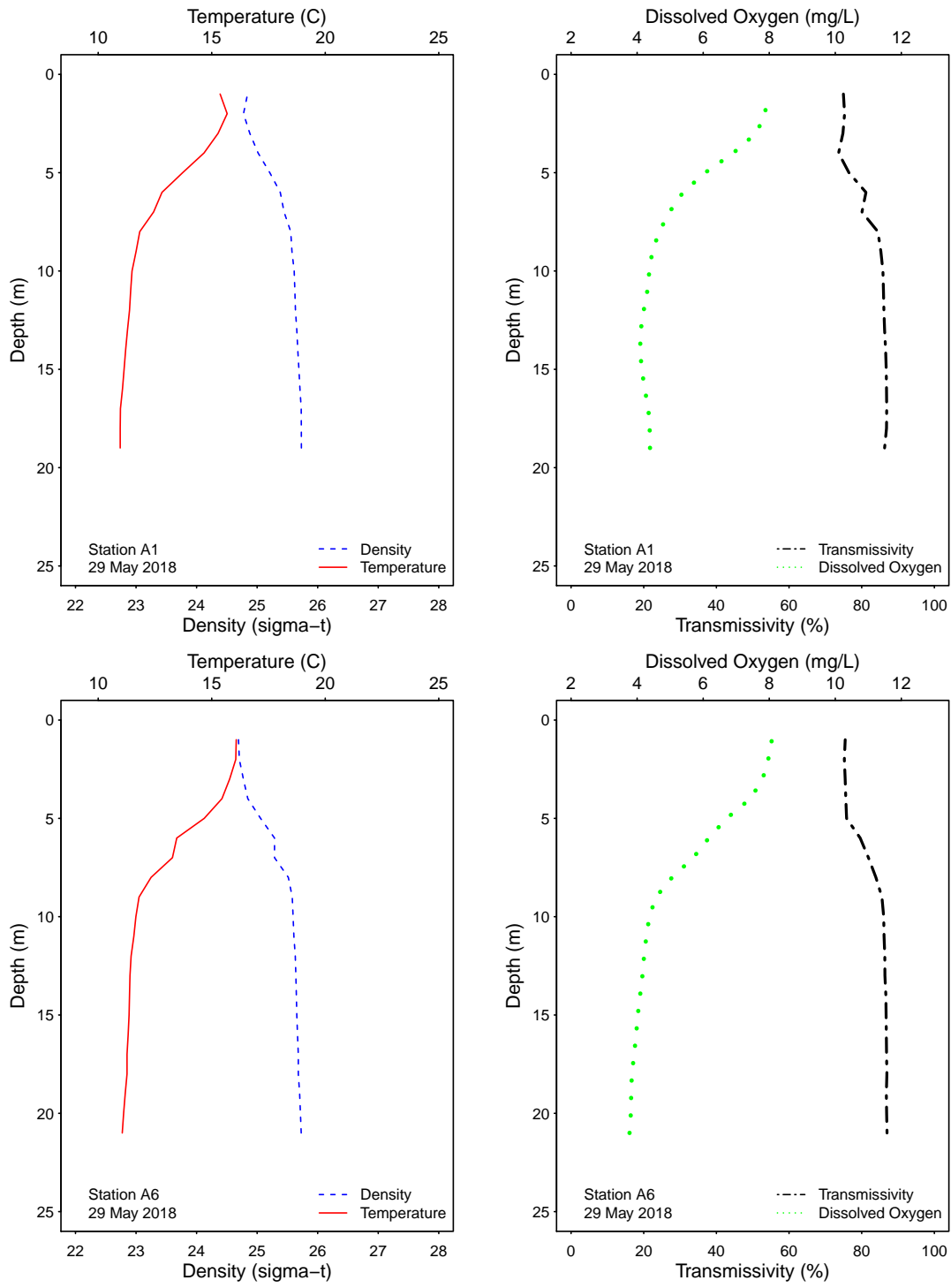


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

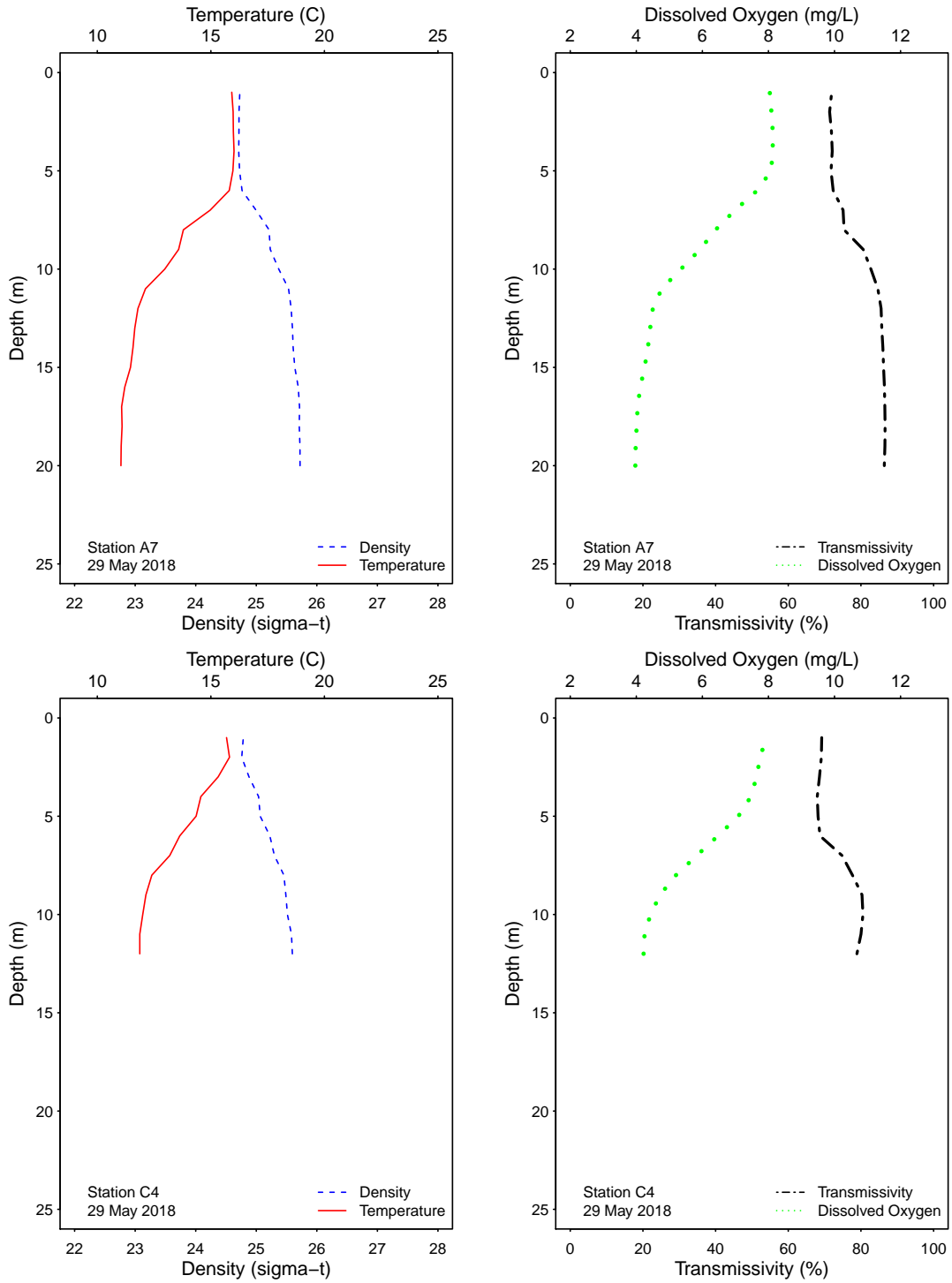


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

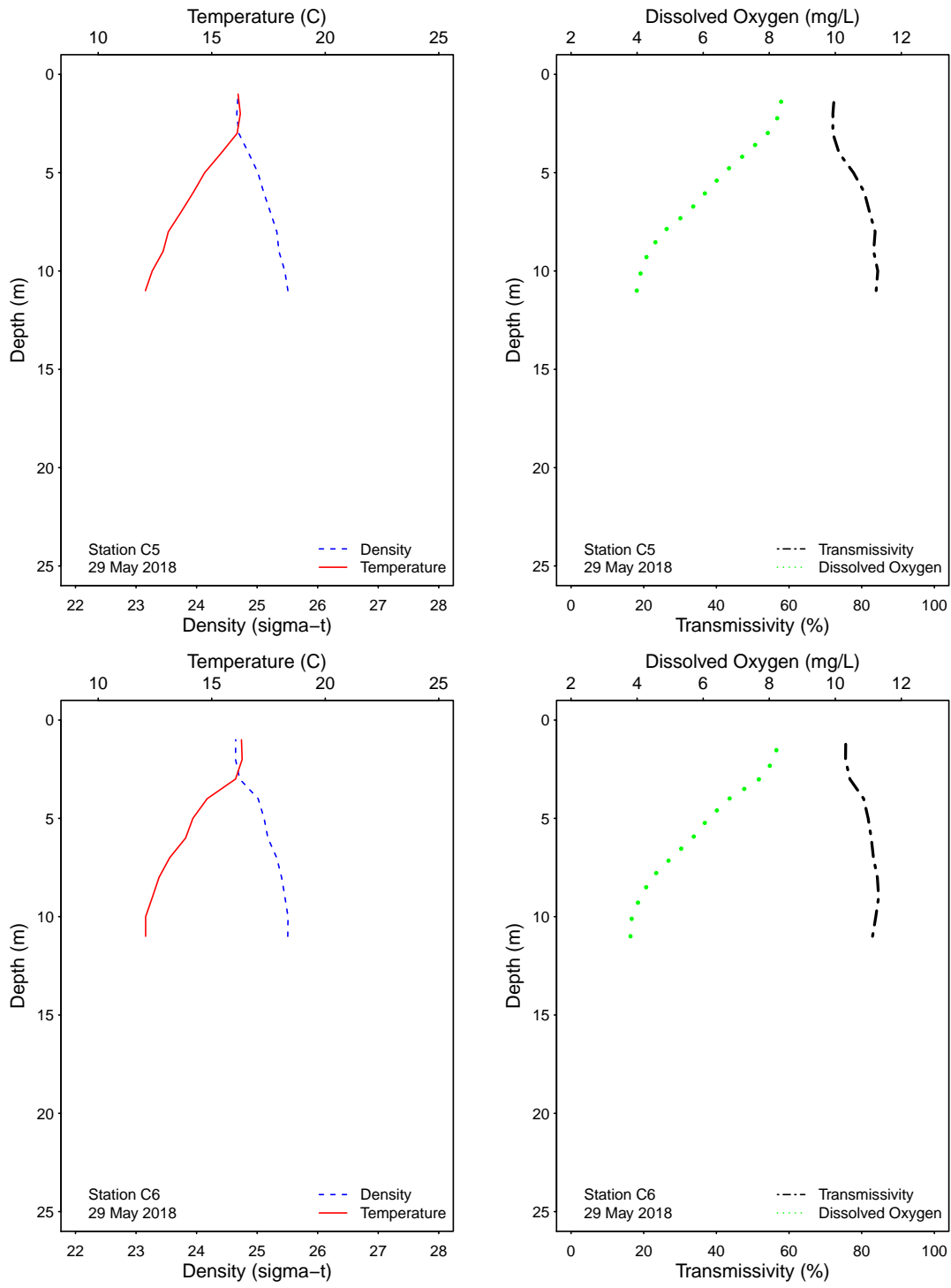


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

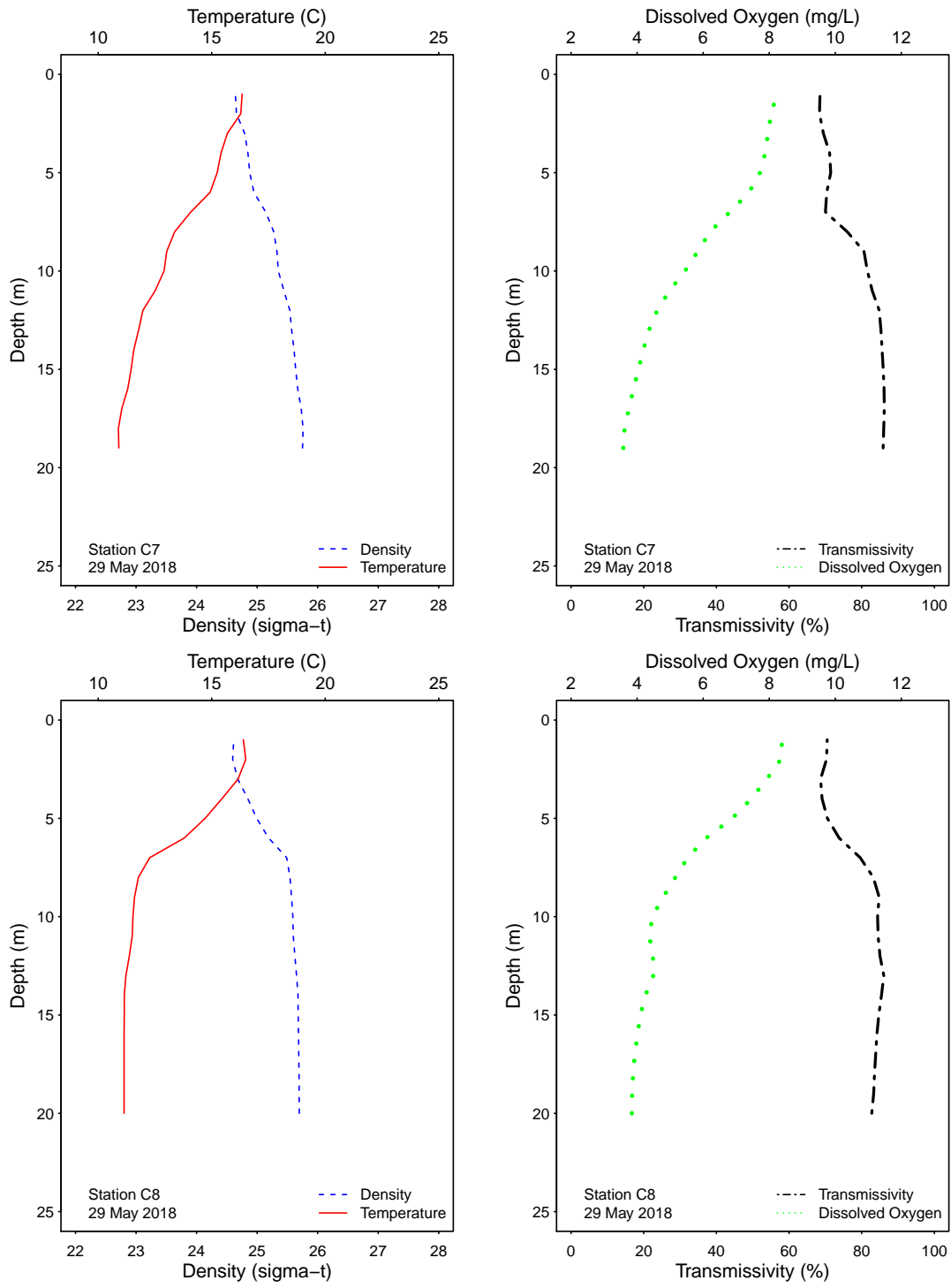


Figure 3.1: Graphics of CTD profile data from the PLOO kelp stations for each sample date.

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
01 May 2018	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	ns	ns	ns
03 May 2018	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	E	E	E

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* (Entero) 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	Entero	Temp	XMS	DO	Sal	pH
F01	01 May 2018	1220	1	<2	13.98	77.00	7.4	33.67	8.1
F01	01 May 2018	1220	12	<2	11.16	86.04	4.6	33.66	7.8
F01	01 May 2018	1220	18	<2	10.86	85.49	4.2	33.69	7.8
F02	01 May 2018	839	1	<2	15.49	66.64	8.2	33.66	8.1
F02	01 May 2018	839	12	<2	11.84	85.93	6.0	33.56	7.9
F02	01 May 2018	839	18	<2	11.46	83.55	5.2	33.61	7.9
F03	01 May 2018	853	1	<2	15.22	79.94	8.4	33.62	8.2
F03	01 May 2018	853	12	<2	11.93	84.05	6.1	33.70	8.0
F03	01 May 2018	853	18	<2	11.37	80.17	4.7	33.67	7.8
F04	01 May 2018	1201	1	<2	14.63	79.70	8.1	33.60	8.1
F04	01 May 2018	1201	25	<2	11.00	89.04	4.9	33.62	7.9
F04	01 May 2018	1201	60	<2	10.09	86.22	3.3	33.86	7.7
F05	01 May 2018	1147	1	<2	14.60	79.96	8.1	33.60	8.1
F05	01 May 2018	1147	25	<2	11.01	89.29	4.9	33.63	7.9
F05	01 May 2018	1147	60	<2	10.05	84.54	3.3	33.85	7.7
F06	01 May 2018	1134	1	<2	14.58	77.78	8.1	33.60	8.1
F06	01 May 2018	1134	25	<2	10.67	89.75	4.7	33.67	7.8
F06	01 May 2018	1134	60	8e	10.06	83.83	3.4	33.84	7.7
F07	01 May 2018	1109	1	<2	14.54	82.21	8.1	33.60	8.1
F07	01 May 2018	1109	25	<2	10.66	89.68	4.5	33.66	7.8
F07	01 May 2018	1109	60	16e	10.03	82.60	3.5	33.84	7.7
F08	01 May 2018	1055	1	<2	14.67	82.47	8.2	33.62	8.1
F08	01 May 2018	1055	25	<2	10.75	89.15	4.6	33.66	7.8
F08	01 May 2018	1055	60	32e	10.12	82.09	3.5	33.81	7.8
F09	01 May 2018	1038	1	<2	14.84	79.30	8.3	33.60	8.2
F09	01 May 2018	1038	25	<2	10.75	89.49	4.6	33.65	7.8
F09	01 May 2018	1038	60	6e	10.04	80.52	3.5	33.83	7.8
F10	01 May 2018	1023	1	<2	14.74	81.23	8.3	33.62	8.2
F10	01 May 2018	1023	25	<2	10.66	89.84	4.6	33.66	7.8
F10	01 May 2018	1023	60	4e	10.06	81.23	3.4	33.84	7.7
F11	01 May 2018	1008	1	<2	14.75	82.37	8.3	33.63	8.1
F11	01 May 2018	1008	25	<2	10.71	89.78	4.7	33.67	7.8
F11	01 May 2018	1008	60	8e	10.04	80.10	3.4	33.85	7.7
F12	01 May 2018	948	1	<2	14.82	78.99	8.2	33.62	8.1
F12	01 May 2018	948	25	<2	10.88	89.57	4.8	33.64	7.9
F12	01 May 2018	948	60	4e	9.95	84.23	3.6	33.85	7.8

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F13	01 May 2018	931	1	<2	14.88	78.88	8.2	33.57	8.2
F13	01 May 2018	931	25	<2	10.81	89.70	4.7	33.65	7.8
F13	01 May 2018	931	60	12e	9.95	83.17	3.5	33.85	7.8
F14	01 May 2018	916	1	<2	14.99	82.22	8.3	33.63	8.2
F14	01 May 2018	916	25	<2	10.63	89.82	4.6	33.67	7.8
F14	01 May 2018	916	60	2e	9.97	76.55	3.5	33.86	7.7
F15	03 May 2018	1116	1	<2	15.68	82.25	8.5	33.62	8.2
F15	03 May 2018	1116	25	<2	10.92	89.42	5.0	33.62	7.9
F15	03 May 2018	1116	60	18e	10.07	89.26	3.8	33.82	7.8
F15	03 May 2018	1116	80	2e	9.93	86.48	3.2	33.91	7.8
F16	03 May 2018	1103	1	<2	15.67	81.50	8.5	33.62	8.2
F16	03 May 2018	1103	25	<2	10.83	89.31	4.9	33.63	7.9
F16	03 May 2018	1103	60	220e	9.90	88.11	3.8	33.79	7.8
F16	03 May 2018	1103	80	6e	9.92	84.75	3.2	33.90	7.8
F17	03 May 2018	1048	1	<2	15.69	82.50	7.5	33.55	8.2
F17	03 May 2018	1048	25	<2	10.76	89.47	4.8	33.63	7.9
F17	03 May 2018	1048	60	4e	9.99	89.58	3.8	33.83	7.8
F17	03 May 2018	1048	80	6e	9.82	84.78	3.2	33.93	7.8
F18	03 May 2018	1033	1	<2	15.57	81.93	8.2	33.62	8.2
F18	03 May 2018	1033	25	<2	10.82	88.91	4.8	33.64	7.9
F18	03 May 2018	1033	60	800e	9.87	89.24	4.0	33.79	7.8
F18	03 May 2018	1033	80	8e	9.90	83.00	3.4	33.88	7.8
F19	03 May 2018	1017	1	<2	15.69	82.52	8.6	33.62	8.2
F19	03 May 2018	1017	25	<2	10.84	88.02	4.8	33.66	7.9
F19	03 May 2018	1017	60	400e	9.82	89.00	4.0	33.79	7.8
F19	03 May 2018	1017	80	2e	9.90	82.88	3.4	33.88	7.8
F20	03 May 2018	1003	1	<2	15.65	83.00	8.6	33.62	8.2
F20	03 May 2018	1003	25	<2	10.71	89.19	4.7	33.66	7.9
F20	03 May 2018	1003	60	380e	9.78	88.28	3.8	33.77	7.8
F20	03 May 2018	1003	80	24e	9.90	82.41	3.4	33.87	7.8
F21	03 May 2018	947	1	<2	15.78	82.27	8.6	33.62	8.2
F21	03 May 2018	947	25	<2	10.79	88.56	4.7	33.65	7.9
F21	03 May 2018	947	60	2e	9.97	90.22	3.8	33.82	7.8
F21	03 May 2018	947	80	<2	9.78	87.71	3.6	33.89	7.8
F22	03 May 2018	933	1	<2	15.68	82.05	8.7	33.62	8.2
F22	03 May 2018	933	25	<2	10.78	89.36	4.6	33.64	7.9
F22	03 May 2018	933	60	2e	9.92	90.12	3.9	33.82	7.8
F22	03 May 2018	933	80	<2	9.80	87.28	3.5	33.90	7.8
F23	03 May 2018	918	1	<2	15.59	81.66	8.7	33.62	8.2
F23	03 May 2018	918	25	<2	10.56	89.59	4.5	33.68	7.9
F23	03 May 2018	918	60	2e	9.92	90.15	3.7	33.85	7.8
F23	03 May 2018	918	80	<2	9.81	87.03	3.5	33.90	7.8
F24	03 May 2018	902	1	<2	15.31	82.60	8.5	33.65	8.2
F24	03 May 2018	902	25	<2	10.59	89.43	4.5	33.68	7.8

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F24	03 May 2018	902	60	<2	9.81	89.94	3.9	33.84	7.8
F24	03 May 2018	902	80	<2	9.81	83.33	3.4	33.90	7.8
F25	03 May 2018	847	1	<2	15.26	83.57	8.4	33.66	8.2
F25	03 May 2018	847	25	<2	10.71	89.08	4.5	33.67	7.8
F25	03 May 2018	847	60	<2	9.87	89.53	3.9	33.85	7.8
F25	03 May 2018	847	80	<2	9.80	84.51	3.5	33.90	7.8
F26	02 May 2018	1157	1	<2	15.50	76.28	8.4	33.57	8.2
F26	02 May 2018	1157	25	4e	11.04	89.67	5.1	33.60	7.9
F26	02 May 2018	1157	60	400	9.99	88.34	3.8	33.78	7.8
F26	02 May 2018	1157	80	12e	9.97	88.65	3.5	33.87	7.8
F26	02 May 2018	1157	98	10e	9.76	88.17	3.1	33.97	7.7
F27	02 May 2018	1140	1	<2	15.46	76.32	8.4	33.62	8.2
F27	02 May 2018	1140	25	2e	11.01	89.48	5.0	33.61	7.9
F27	02 May 2018	1140	60	280e	9.94	89.42	3.9	33.80	7.8
F27	02 May 2018	1140	80	220e	9.96	88.87	3.7	33.83	7.8
F27	02 May 2018	1140	98	<2	9.70	88.06	3.3	33.95	7.8
F28	02 May 2018	1125	1	<2	15.60	82.20	8.5	33.62	8.2
F28	02 May 2018	1125	25	2e	10.99	89.71	5.1	33.61	7.9
F28	02 May 2018	1125	60	<2	9.91	90.34	4.2	33.78	7.8
F28	02 May 2018	1125	80	420	9.70	89.69	4.0	33.83	7.8
F28	02 May 2018	1125	98	4e	9.65	89.09	3.4	33.95	7.8
F29	02 May 2018	1102	1	<2	15.43	68.62	8.4	33.58	8.2
F29	02 May 2018	1102	25	<2	10.77	89.05	4.7	33.66	7.9
F29	02 May 2018	1102	60	<2	9.85	90.37	4.2	33.79	7.8
F29	02 May 2018	1102	80	440	9.81	88.18	3.6	33.83	7.8
F29	02 May 2018	1102	98	<2	9.63	88.87	3.3	33.98	7.7
F30	02 May 2018	1044	1	<2	15.29	71.92	8.4	33.58	8.2
F30	02 May 2018	1044	25	<2	10.71	89.26	4.7	33.66	7.9
F30	02 May 2018	1044	60	100e	9.89	88.41	4.0	33.78	7.8
F30	02 May 2018	1044	80	340e	9.76	87.96	3.7	33.81	7.8
F30	02 May 2018	1044	98	2e	9.63	88.69	3.3	33.97	7.7
F31	02 May 2018	1024	1	<2	15.15	80.69	8.5	33.62	8.2
F31	02 May 2018	1024	25	<2	10.66	89.44	4.6	33.67	7.9
F31	02 May 2018	1024	60	2e	9.92	89.97	3.9	33.81	7.8
F31	02 May 2018	1024	80	<2	9.57	90.44	4.2	33.84	7.8
F31	02 May 2018	1024	98	<2	9.63	88.96	3.3	33.97	7.7
F32	02 May 2018	1008	1	<2	15.08	78.80	8.5	33.62	8.2
F32	02 May 2018	1008	25	<2	10.67	89.34	4.6	33.67	7.9
F32	02 May 2018	1008	60	2e	9.93	90.08	3.8	33.82	7.8
F32	02 May 2018	1008	80	<2	9.72	89.72	3.7	33.89	7.8
F32	02 May 2018	1008	98	<2	9.65	89.86	3.3	33.97	7.7
F33	02 May 2018	948	1	<2	15.07	79.74	8.5	33.63	8.2
F33	02 May 2018	948	25	<2	10.43	90.01	4.4	33.71	7.8
F33	02 May 2018	948	60	<2	9.94	90.13	3.7	33.83	7.8
F33	02 May 2018	948	80	<2	9.81	89.57	3.3	33.94	7.7
F33	02 May 2018	948	98	<2	9.56	89.24	3.2	34.01	7.7

Station	Date	Time	Depth	Entero	Temp	XMS	DO	Sal	pH
F34	02 May 2018	930	1	<2	14.99	79.61	8.5	33.65	8.2
F34	02 May 2018	930	25	<2	10.73	88.73	4.4	33.70	7.8
F34	02 May 2018	930	60	2e	9.96	90.03	3.6	33.87	7.8
F34	02 May 2018	930	80	<2	9.74	90.22	3.5	33.92	7.8
F34	02 May 2018	930	98	<2	9.57	89.51	3.2	34.00	7.7
F35	02 May 2018	911	1	<2	14.91	82.55	8.3	33.66	8.2
F35	02 May 2018	911	25	<2	10.68	88.46	4.2	33.71	7.8
F35	02 May 2018	911	60	<2	9.98	89.93	3.5	33.88	7.8
F35	02 May 2018	911	80	<2	9.66	90.46	3.4	33.94	7.7
F35	02 May 2018	911	98	<2	9.62	89.46	3.2	33.98	7.7
F36	02 May 2018	837	1	<2	14.70	83.23	8.2	33.65	8.2
F36	02 May 2018	837	25	<2	10.33	89.21	4.1	33.74	7.8
F36	02 May 2018	837	60	<2	9.90	90.07	3.6	33.88	7.8
F36	02 May 2018	837	80	<2	9.66	90.44	3.4	33.94	7.7
F36	02 May 2018	837	98	<2	9.63	89.37	3.3	33.97	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	01 May 2018	Depth (m)	22
F01	01 May 2018	Arrive Time	1220
F01	01 May 2018	Depart Time	1224
F01	01 May 2018	Air Temp (C)	14
F01	01 May 2018	Weather	Rain
F01	01 May 2018	Visibility (mi)	4
F01	01 May 2018	Wind Speed (kts)	10
F01	01 May 2018	Wind Dir	S
F01	01 May 2018	Water Color	Green
F01	01 May 2018	Wave Ht Low (ft)	7
F01	01 May 2018	Wave Period (sec)	7
F01	01 May 2018	Sea State	Confused swell
F01	01 May 2018	High Tide (ft)	3.9
F01	01 May 2018	High Tide Time	1102
F01	01 May 2018	Low Tide (ft)	-0.52
F01	01 May 2018	Low Tide Time	455
F01	01 May 2018	Comments	none
F02	01 May 2018	Depth (m)	18
F02	01 May 2018	Arrive Time	839
F02	01 May 2018	Depart Time	843
F02	01 May 2018	Air Temp (C)	14
F02	01 May 2018	Weather	Partly Cloudy
F02	01 May 2018	Visibility (mi)	6
F02	01 May 2018	Wind Speed (kts)	7
F02	01 May 2018	Wind Dir	E
F02	01 May 2018	Water Color	Green
F02	01 May 2018	Wave Ht Low (ft)	7
F02	01 May 2018	Wave Period (sec)	7
F02	01 May 2018	Sea State	Confused swell
F02	01 May 2018	High Tide (ft)	3.9
F02	01 May 2018	High Tide Time	1102
F02	01 May 2018	Low Tide (ft)	-0.52
F02	01 May 2018	Low Tide Time	455
F02	01 May 2018	Comments	none
F03	01 May 2018	Depth (m)	18
F03	01 May 2018	Arrive Time	853
F03	01 May 2018	Depart Time	857
F03	01 May 2018	Air Temp (C)	14
F03	01 May 2018	Weather	Overcast
F03	01 May 2018	Visibility (mi)	4
F03	01 May 2018	Wind Speed (kts)	8
F03	01 May 2018	Wind Dir	SE
F03	01 May 2018	Water Color	Green
F03	01 May 2018	Wave Ht Low (ft)	6
F03	01 May 2018	Wave Period (sec)	7
F03	01 May 2018	Sea State	Confused swell
F03	01 May 2018	High Tide (ft)	3.9
F03	01 May 2018	High Tide Time	1102
F03	01 May 2018	Low Tide (ft)	-0.52

Station	Date	Parameter	Value
F03	01 May 2018	Low Tide Time	455
F03	01 May 2018	Comments	Low transmissivity at surface due to air bubbles and ship heave; Boats
F04	01 May 2018	Depth (m)	64
F04	01 May 2018	Arrive Time	1201
F04	01 May 2018	Depart Time	1208
F04	01 May 2018	Air Temp (C)	14
F04	01 May 2018	Weather	Overcast
F04	01 May 2018	Visibility (mi)	4
F04	01 May 2018	Wind Speed (kts)	11
F04	01 May 2018	Wind Dir	SE
F04	01 May 2018	Water Color	Green
F04	01 May 2018	Wave Ht Low (ft)	7
F04	01 May 2018	Wave Period (sec)	7
F04	01 May 2018	Sea State	Confused swell
F04	01 May 2018	High Tide (ft)	3.9
F04	01 May 2018	High Tide Time	1102
F04	01 May 2018	Low Tide (ft)	-0.52
F04	01 May 2018	Low Tide Time	455
F04	01 May 2018	Comments	Dolphins on station
F05	01 May 2018	Depth (m)	63
F05	01 May 2018	Arrive Time	1147
F05	01 May 2018	Depart Time	1201
F05	01 May 2018	Air Temp (C)	14
F05	01 May 2018	Weather	Overcast
F05	01 May 2018	Visibility (mi)	4
F05	01 May 2018	Wind Speed (kts)	8
F05	01 May 2018	Wind Dir	S
F05	01 May 2018	Water Color	Green
F05	01 May 2018	Wave Ht Low (ft)	7
F05	01 May 2018	Wave Period (sec)	7
F05	01 May 2018	Sea State	Confused swell
F05	01 May 2018	High Tide (ft)	3.9
F05	01 May 2018	High Tide Time	1102
F05	01 May 2018	Low Tide (ft)	-0.52
F05	01 May 2018	Low Tide Time	455
F05	01 May 2018	Comments	none
F06	01 May 2018	Depth (m)	62
F06	01 May 2018	Arrive Time	1134
F06	01 May 2018	Depart Time	1139
F06	01 May 2018	Air Temp (C)	14
F06	01 May 2018	Weather	Overcast
F06	01 May 2018	Visibility (mi)	4
F06	01 May 2018	Wind Speed (kts)	10
F06	01 May 2018	Wind Dir	SE
F06	01 May 2018	Water Color	Green
F06	01 May 2018	Wave Ht Low (ft)	7
F06	01 May 2018	Wave Period (sec)	7
F06	01 May 2018	Sea State	Confused swell
F06	01 May 2018	High Tide (ft)	3.9
F06	01 May 2018	High Tide Time	1102
F06	01 May 2018	Low Tide (ft)	-0.52

Station	Date	Parameter	Value
F06	01 May 2018	Low Tide Time	455
F06	01 May 2018	Comments	none
F07	01 May 2018	Depth (m)	64
F07	01 May 2018	Arrive Time	1109
F07	01 May 2018	Depart Time	1114
F07	01 May 2018	Air Temp (C)	14
F07	01 May 2018	Weather	Overcast
F07	01 May 2018	Visibility (mi)	4
F07	01 May 2018	Wind Speed (kts)	13
F07	01 May 2018	Wind Dir	SE
F07	01 May 2018	Water Color	Green
F07	01 May 2018	Wave Ht Low (ft)	7
F07	01 May 2018	Wave Period (sec)	7
F07	01 May 2018	Sea State	Confused swell
F07	01 May 2018	High Tide (ft)	3.9
F07	01 May 2018	High Tide Time	1102
F07	01 May 2018	Low Tide (ft)	-0.52
F07	01 May 2018	Low Tide Time	455
F07	01 May 2018	Comments	Boats
F08	01 May 2018	Depth (m)	62
F08	01 May 2018	Arrive Time	1055
F08	01 May 2018	Depart Time	1101
F08	01 May 2018	Air Temp (C)	13
F08	01 May 2018	Weather	Overcast
F08	01 May 2018	Visibility (mi)	4
F08	01 May 2018	Wind Speed (kts)	13
F08	01 May 2018	Wind Dir	SE
F08	01 May 2018	Water Color	Green
F08	01 May 2018	Wave Ht Low (ft)	7
F08	01 May 2018	Wave Period (sec)	7
F08	01 May 2018	Sea State	Confused swell
F08	01 May 2018	High Tide (ft)	3.9
F08	01 May 2018	High Tide Time	1102
F08	01 May 2018	Low Tide (ft)	-0.52
F08	01 May 2018	Low Tide Time	455
F08	01 May 2018	Comments	none
F09	01 May 2018	Depth (m)	63
F09	01 May 2018	Arrive Time	1038
F09	01 May 2018	Depart Time	1045
F09	01 May 2018	Air Temp (C)	14
F09	01 May 2018	Weather	Overcast
F09	01 May 2018	Visibility (mi)	4
F09	01 May 2018	Wind Speed (kts)	12
F09	01 May 2018	Wind Dir	SE
F09	01 May 2018	Water Color	Green
F09	01 May 2018	Wave Ht Low (ft)	7
F09	01 May 2018	Wave Period (sec)	7
F09	01 May 2018	Sea State	Confused swell
F09	01 May 2018	High Tide (ft)	3.9
F09	01 May 2018	High Tide Time	1102
F09	01 May 2018	Low Tide (ft)	-0.52
F09	01 May 2018	Low Tide Time	455

Station	Date	Parameter	Value
F09	01 May 2018	Comments	none
F10	01 May 2018	Depth (m)	62
F10	01 May 2018	Arrive Time	1023
F10	01 May 2018	Depart Time	1028
F10	01 May 2018	Air Temp (C)	14
F10	01 May 2018	Weather	Overcast
F10	01 May 2018	Visibility (mi)	4
F10	01 May 2018	Wind Speed (kts)	8
F10	01 May 2018	Wind Dir	SE
F10	01 May 2018	Water Color	Green
F10	01 May 2018	Wave Ht Low (ft)	7
F10	01 May 2018	Wave Period (sec)	7
F10	01 May 2018	Sea State	Confused swell
F10	01 May 2018	High Tide (ft)	3.9
F10	01 May 2018	High Tide Time	1102
F10	01 May 2018	Low Tide (ft)	-0.52
F10	01 May 2018	Low Tide Time	455
F10	01 May 2018	Comments	none
F11	01 May 2018	Depth (m)	61
F11	01 May 2018	Arrive Time	1008
F11	01 May 2018	Depart Time	1014
F11	01 May 2018	Air Temp (C)	14
F11	01 May 2018	Weather	Overcast
F11	01 May 2018	Visibility (mi)	4
F11	01 May 2018	Wind Speed (kts)	6
F11	01 May 2018	Wind Dir	SE
F11	01 May 2018	Water Color	Green
F11	01 May 2018	Wave Ht Low (ft)	7
F11	01 May 2018	Wave Period (sec)	7
F11	01 May 2018	Sea State	Confused swell
F11	01 May 2018	High Tide (ft)	3.9
F11	01 May 2018	High Tide Time	1102
F11	01 May 2018	Low Tide (ft)	-0.52
F11	01 May 2018	Low Tide Time	455
F11	01 May 2018	Comments	none
F12	01 May 2018	Depth (m)	63
F12	01 May 2018	Arrive Time	948
F12	01 May 2018	Depart Time	958
F12	01 May 2018	Air Temp (C)	13
F12	01 May 2018	Weather	Overcast
F12	01 May 2018	Visibility (mi)	4
F12	01 May 2018	Wind Speed (kts)	8
F12	01 May 2018	Wind Dir	E
F12	01 May 2018	Water Color	Green
F12	01 May 2018	Wave Ht Low (ft)	7
F12	01 May 2018	Wave Period (sec)	7
F12	01 May 2018	Sea State	Confused swell
F12	01 May 2018	High Tide (ft)	3.9
F12	01 May 2018	High Tide Time	1102
F12	01 May 2018	Low Tide (ft)	-0.52
F12	01 May 2018	Low Tide Time	455
F12	01 May 2018	Comments	none

Station	Date	Parameter	Value
F13	01 May 2018	Depth (m)	62
F13	01 May 2018	Arrive Time	931
F13	01 May 2018	Depart Time	937
F13	01 May 2018	Air Temp (C)	13
F13	01 May 2018	Weather	Overcast
F13	01 May 2018	Visibility (mi)	4
F13	01 May 2018	Wind Speed (kts)	7
F13	01 May 2018	Wind Dir	SE
F13	01 May 2018	Water Color	Green
F13	01 May 2018	Wave Ht Low (ft)	7
F13	01 May 2018	Wave Period (sec)	7
F13	01 May 2018	Sea State	Confused swell
F13	01 May 2018	High Tide (ft)	3.9
F13	01 May 2018	High Tide Time	1102
F13	01 May 2018	Low Tide (ft)	-0.52
F13	01 May 2018	Low Tide Time	455
F13	01 May 2018	Comments	Boats; Low transmissivity at surface due to air bubbles and ship heave
F14	01 May 2018	Depth (m)	62
F14	01 May 2018	Arrive Time	916
F14	01 May 2018	Depart Time	921
F14	01 May 2018	Air Temp (C)	14
F14	01 May 2018	Weather	Overcast
F14	01 May 2018	Visibility (mi)	4
F14	01 May 2018	Wind Speed (kts)	11
F14	01 May 2018	Wind Dir	SE
F14	01 May 2018	Water Color	Green
F14	01 May 2018	Wave Ht Low (ft)	7
F14	01 May 2018	Wave Period (sec)	7
F14	01 May 2018	Sea State	Confused swell
F14	01 May 2018	High Tide (ft)	3.9
F14	01 May 2018	High Tide Time	1102
F14	01 May 2018	Low Tide (ft)	-0.52
F14	01 May 2018	Low Tide Time	455
F14	01 May 2018	Comments	Boats
F15	03 May 2018	Depth (m)	82
F15	03 May 2018	Arrive Time	1116
F15	03 May 2018	Depart Time	1125
F15	03 May 2018	Air Temp (C)	15
F15	03 May 2018	Weather	Clear
F15	03 May 2018	Visibility (mi)	10
F15	03 May 2018	Wind Speed (kts)	9
F15	03 May 2018	Wind Dir	SW
F15	03 May 2018	Water Color	Bluish-Green
F15	03 May 2018	Wave Ht Low (ft)	3
F15	03 May 2018	Wave Period (sec)	13
F15	03 May 2018	Sea State	Wind ripples
F15	03 May 2018	High Tide (ft)	3.28
F15	03 May 2018	High Tide Time	36
F15	03 May 2018	Low Tide (ft)	-0.14
F15	03 May 2018	Low Tide Time	616
F15	03 May 2018	Comments	none

Station	Date	Parameter	Value
F16	03 May 2018	Depth (m)	82
F16	03 May 2018	Arrive Time	1103
F16	03 May 2018	Depart Time	1110
F16	03 May 2018	Air Temp (C)	15
F16	03 May 2018	Weather	Clear
F16	03 May 2018	Visibility (mi)	10
F16	03 May 2018	Wind Speed (kts)	7
F16	03 May 2018	Wind Dir	W
F16	03 May 2018	Water Color	Bluish-Green
F16	03 May 2018	Wave Ht Low (ft)	3
F16	03 May 2018	Wave Period (sec)	13
F16	03 May 2018	Sea State	Wind ripples
F16	03 May 2018	High Tide (ft)	3.28
F16	03 May 2018	High Tide Time	36
F16	03 May 2018	Low Tide (ft)	-0.14
F16	03 May 2018	Low Tide Time	616
F16	03 May 2018	Comments	none
F17	03 May 2018	Depth (m)	82
F17	03 May 2018	Arrive Time	1048
F17	03 May 2018	Depart Time	1054
F17	03 May 2018	Air Temp (C)	15
F17	03 May 2018	Weather	Clear
F17	03 May 2018	Visibility (mi)	10
F17	03 May 2018	Wind Speed (kts)	8
F17	03 May 2018	Wind Dir	SW
F17	03 May 2018	Water Color	Bluish-Green
F17	03 May 2018	Wave Ht Low (ft)	3
F17	03 May 2018	Wave Period (sec)	13
F17	03 May 2018	Sea State	Wind ripples
F17	03 May 2018	High Tide (ft)	3.28
F17	03 May 2018	High Tide Time	36
F17	03 May 2018	Low Tide (ft)	-0.14
F17	03 May 2018	Low Tide Time	616
F17	03 May 2018	Comments	Silver Glory tanker on station
F18	03 May 2018	Depth (m)	82
F18	03 May 2018	Arrive Time	1033
F18	03 May 2018	Depart Time	1037
F18	03 May 2018	Air Temp (C)	15
F18	03 May 2018	Weather	Clear
F18	03 May 2018	Visibility (mi)	9
F18	03 May 2018	Wind Speed (kts)	8
F18	03 May 2018	Wind Dir	SW
F18	03 May 2018	Water Color	Bluish-Green
F18	03 May 2018	Wave Ht Low (ft)	3
F18	03 May 2018	Wave Period (sec)	13
F18	03 May 2018	Sea State	Wind ripples
F18	03 May 2018	High Tide (ft)	3.28
F18	03 May 2018	High Tide Time	36
F18	03 May 2018	Low Tide (ft)	-0.14
F18	03 May 2018	Low Tide Time	616
F18	03 May 2018	Comments	none

Station	Date	Parameter	Value
F19	03 May 2018	Depth (m)	83
F19	03 May 2018	Arrive Time	1017
F19	03 May 2018	Depart Time	1024
F19	03 May 2018	Air Temp (C)	15
F19	03 May 2018	Weather	Clear
F19	03 May 2018	Visibility (mi)	9
F19	03 May 2018	Wind Speed (kts)	5
F19	03 May 2018	Wind Dir	SW
F19	03 May 2018	Water Color	Bluish-Green
F19	03 May 2018	Wave Ht Low (ft)	3
F19	03 May 2018	Wave Period (sec)	13
F19	03 May 2018	Sea State	Wind ripples
F19	03 May 2018	High Tide (ft)	3.28
F19	03 May 2018	High Tide Time	36
F19	03 May 2018	Low Tide (ft)	-0.14
F19	03 May 2018	Low Tide Time	616
F19	03 May 2018	Comments	none
F20	03 May 2018	Depth (m)	81
F20	03 May 2018	Arrive Time	1003
F20	03 May 2018	Depart Time	1009
F20	03 May 2018	Air Temp (C)	15
F20	03 May 2018	Weather	Clear
F20	03 May 2018	Visibility (mi)	9
F20	03 May 2018	Wind Speed (kts)	4
F20	03 May 2018	Wind Dir	SW
F20	03 May 2018	Water Color	Bluish-Green
F20	03 May 2018	Wave Ht Low (ft)	3
F20	03 May 2018	Wave Period (sec)	13
F20	03 May 2018	Sea State	Wind ripples
F20	03 May 2018	High Tide (ft)	3.28
F20	03 May 2018	High Tide Time	36
F20	03 May 2018	Low Tide (ft)	-0.14
F20	03 May 2018	Low Tide Time	616
F20	03 May 2018	Comments	none
F21	03 May 2018	Depth (m)	83
F21	03 May 2018	Arrive Time	947
F21	03 May 2018	Depart Time	955
F21	03 May 2018	Air Temp (C)	15
F21	03 May 2018	Weather	Clear
F21	03 May 2018	Visibility (mi)	9
F21	03 May 2018	Wind Speed (kts)	5
F21	03 May 2018	Wind Dir	SW
F21	03 May 2018	Water Color	Bluish-Green
F21	03 May 2018	Wave Ht Low (ft)	3
F21	03 May 2018	Wave Period (sec)	13
F21	03 May 2018	Sea State	Wind ripples
F21	03 May 2018	High Tide (ft)	3.28
F21	03 May 2018	High Tide Time	36
F21	03 May 2018	Low Tide (ft)	-0.14
F21	03 May 2018	Low Tide Time	616
F21	03 May 2018	Comments	none
F22	03 May 2018	Depth (m)	82

Station	Date	Parameter	Value
F22	03 May 2018	Arrive Time	933
F22	03 May 2018	Depart Time	940
F22	03 May 2018	Air Temp (C)	15
F22	03 May 2018	Weather	Clear
F22	03 May 2018	Visibility (mi)	9
F22	03 May 2018	Wind Speed (kts)	1
F22	03 May 2018	Wind Dir	SW
F22	03 May 2018	Water Color	Bluish-Green
F22	03 May 2018	Wave Ht Low (ft)	3
F22	03 May 2018	Wave Period (sec)	13
F22	03 May 2018	Sea State	Wind ripples
F22	03 May 2018	High Tide (ft)	3.28
F22	03 May 2018	High Tide Time	36
F22	03 May 2018	Low Tide (ft)	-0.14
F22	03 May 2018	Low Tide Time	616
F22	03 May 2018	Comments	none
F24	03 May 2018	Depth (m)	81
F24	03 May 2018	Arrive Time	902
F24	03 May 2018	Depart Time	911
F24	03 May 2018	Air Temp (C)	15
F24	03 May 2018	Weather	Clear
F24	03 May 2018	Visibility (mi)	9
F24	03 May 2018	Wind Speed (kts)	2
F24	03 May 2018	Wind Dir	W
F24	03 May 2018	Water Color	Greenish-Blue
F24	03 May 2018	Wave Ht Low (ft)	3
F24	03 May 2018	Wave Period (sec)	13
F24	03 May 2018	Sea State	Wind ripples
F24	03 May 2018	High Tide (ft)	3.28
F24	03 May 2018	High Tide Time	36
F24	03 May 2018	Low Tide (ft)	-0.14
F24	03 May 2018	Low Tide Time	616
F24	03 May 2018	Comments	none
F25	03 May 2018	Depth (m)	80
F25	03 May 2018	Arrive Time	847
F25	03 May 2018	Depart Time	856
F25	03 May 2018	Air Temp (C)	14
F25	03 May 2018	Weather	Clear
F25	03 May 2018	Visibility (mi)	9
F25	03 May 2018	Wind Speed (kts)	2
F25	03 May 2018	Wind Dir	NW
F25	03 May 2018	Water Color	Greenish-Blue
F25	03 May 2018	Wave Ht Low (ft)	3
F25	03 May 2018	Wave Period (sec)	13
F25	03 May 2018	Sea State	Wind ripples
F25	03 May 2018	High Tide (ft)	3.28
F25	03 May 2018	High Tide Time	36
F25	03 May 2018	Low Tide (ft)	-0.14
F25	03 May 2018	Low Tide Time	616
F25	03 May 2018	Comments	none
F26	02 May 2018	Depth (m)	99
F26	02 May 2018	Arrive Time	1157

Station	Date	Parameter	Value
F26	02 May 2018	Depart Time	1201
F26	02 May 2018	Air Temp (C)	15
F26	02 May 2018	Weather	Partly Cloudy
F26	02 May 2018	Visibility (mi)	6
F26	02 May 2018	Wind Speed (kts)	2
F26	02 May 2018	Wind Dir	S
F26	02 May 2018	Water Color	Bluish-Green
F26	02 May 2018	Wave Ht Low (ft)	4
F26	02 May 2018	Wave Period (sec)	7
F26	02 May 2018	Sea State	Confused swell
F26	02 May 2018	High Tide (ft)	3.58
F26	02 May 2018	High Tide Time	1146
F26	02 May 2018	Low Tide (ft)	-0.37
F26	02 May 2018	Low Tide Time	534
F26	02 May 2018	Comments	none
F27	02 May 2018	Depth (m)	99
F27	02 May 2018	Arrive Time	1140
F27	02 May 2018	Depart Time	1144
F27	02 May 2018	Air Temp (C)	15
F27	02 May 2018	Weather	Partly Cloudy
F27	02 May 2018	Visibility (mi)	6
F27	02 May 2018	Wind Speed (kts)	5
F27	02 May 2018	Wind Dir	S
F27	02 May 2018	Water Color	Bluish-Green
F27	02 May 2018	Wave Ht Low (ft)	4
F27	02 May 2018	Wave Period (sec)	7
F27	02 May 2018	Sea State	Confused swell
F27	02 May 2018	High Tide (ft)	3.58
F27	02 May 2018	High Tide Time	1146
F27	02 May 2018	Low Tide (ft)	-0.37
F27	02 May 2018	Low Tide Time	534
F27	02 May 2018	Comments	none
F28	02 May 2018	Depth (m)	99
F28	02 May 2018	Arrive Time	1125
F28	02 May 2018	Depart Time	1129
F28	02 May 2018	Air Temp (C)	15
F28	02 May 2018	Weather	Partly Cloudy
F28	02 May 2018	Visibility (mi)	6
F28	02 May 2018	Wind Speed (kts)	5
F28	02 May 2018	Wind Dir	SW
F28	02 May 2018	Water Color	Bluish-Green
F28	02 May 2018	Wave Ht Low (ft)	4
F28	02 May 2018	Wave Period (sec)	7
F28	02 May 2018	Sea State	Confused swell
F28	02 May 2018	High Tide (ft)	3.58
F28	02 May 2018	High Tide Time	1146
F28	02 May 2018	Low Tide (ft)	-0.37
F28	02 May 2018	Low Tide Time	534
F28	02 May 2018	Comments	none
F29	02 May 2018	Depth (m)	100
F29	02 May 2018	Arrive Time	1102
F29	02 May 2018	Depart Time	1114

Station	Date	Parameter	Value
F29	02 May 2018	Air Temp (C)	15
F29	02 May 2018	Weather	Partly Cloudy
F29	02 May 2018	Visibility (mi)	6
F29	02 May 2018	Wind Speed (kts)	3
F29	02 May 2018	Wind Dir	S
F29	02 May 2018	Water Color	Bluish-Green
F29	02 May 2018	Wave Ht Low (ft)	4
F29	02 May 2018	Wave Period (sec)	7
F29	02 May 2018	Sea State	Confused swell
F29	02 May 2018	High Tide (ft)	3.58
F29	02 May 2018	High Tide Time	1146
F29	02 May 2018	Low Tide (ft)	-0.37
F29	02 May 2018	Low Tide Time	534
F29	02 May 2018	Comments	none
F30	02 May 2018	Depth (m)	98
F30	02 May 2018	Arrive Time	1044
F30	02 May 2018	Depart Time	1050
F30	02 May 2018	Air Temp (C)	15
F30	02 May 2018	Weather	Partly Cloudy
F30	02 May 2018	Visibility (mi)	6
F30	02 May 2018	Wind Speed (kts)	4
F30	02 May 2018	Wind Dir	SW
F30	02 May 2018	Water Color	Bluish-Green
F30	02 May 2018	Wave Ht Low (ft)	4
F30	02 May 2018	Wave Period (sec)	7
F30	02 May 2018	Sea State	Confused swell
F30	02 May 2018	High Tide (ft)	3.58
F30	02 May 2018	High Tide Time	1146
F30	02 May 2018	Low Tide (ft)	-0.37
F30	02 May 2018	Low Tide Time	534
F30	02 May 2018	Comments	none
F31	02 May 2018	Depth (m)	99
F31	02 May 2018	Arrive Time	1024
F31	02 May 2018	Depart Time	1029
F31	02 May 2018	Air Temp (C)	14
F31	02 May 2018	Weather	Cloudy
F31	02 May 2018	Visibility (mi)	6
F31	02 May 2018	Wind Speed (kts)	7
F31	02 May 2018	Wind Dir	SW
F31	02 May 2018	Water Color	Bluish-Green
F31	02 May 2018	Wave Ht Low (ft)	4
F31	02 May 2018	Wave Period (sec)	7
F31	02 May 2018	Sea State	Confused swell
F31	02 May 2018	High Tide (ft)	3.58
F31	02 May 2018	High Tide Time	1146
F31	02 May 2018	Low Tide (ft)	-0.37
F31	02 May 2018	Low Tide Time	534
F31	02 May 2018	Comments	none
F32	02 May 2018	Depth (m)	99
F32	02 May 2018	Arrive Time	1008
F32	02 May 2018	Depart Time	1012
F32	02 May 2018	Air Temp (C)	14

Station	Date	Parameter	Value
F32	02 May 2018	Weather	Cloudy
F32	02 May 2018	Visibility (mi)	6
F32	02 May 2018	Wind Speed (kts)	9
F32	02 May 2018	Wind Dir	SW
F32	02 May 2018	Water Color	Bluish-Green
F32	02 May 2018	Wave Ht Low (ft)	4
F32	02 May 2018	Wave Period (sec)	7
F32	02 May 2018	Sea State	Confused swell
F32	02 May 2018	High Tide (ft)	3.58
F32	02 May 2018	High Tide Time	1146
F32	02 May 2018	Low Tide (ft)	-0.37
F32	02 May 2018	Low Tide Time	534
F32	02 May 2018	Comments	none
F33	02 May 2018	Depth (m)	99
F33	02 May 2018	Arrive Time	948
F33	02 May 2018	Depart Time	956
F33	02 May 2018	Air Temp (C)	14
F33	02 May 2018	Weather	Cloudy
F33	02 May 2018	Visibility (mi)	6
F33	02 May 2018	Wind Speed (kts)	6
F33	02 May 2018	Wind Dir	SW
F33	02 May 2018	Water Color	Bluish-Green
F33	02 May 2018	Wave Ht Low (ft)	4
F33	02 May 2018	Wave Period (sec)	7
F33	02 May 2018	Sea State	Confused swell
F33	02 May 2018	High Tide (ft)	3.58
F33	02 May 2018	High Tide Time	1146
F33	02 May 2018	Low Tide (ft)	-0.37
F33	02 May 2018	Low Tide Time	534
F33	02 May 2018	Comments	none
F34	02 May 2018	Depth (m)	99
F34	02 May 2018	Arrive Time	930
F34	02 May 2018	Depart Time	935
F34	02 May 2018	Air Temp (C)	14
F34	02 May 2018	Weather	Cloudy
F34	02 May 2018	Visibility (mi)	6
F34	02 May 2018	Wind Speed (kts)	10
F34	02 May 2018	Wind Dir	SW
F34	02 May 2018	Water Color	Bluish-Green
F34	02 May 2018	Wave Ht Low (ft)	4
F34	02 May 2018	Wave Period (sec)	7
F34	02 May 2018	Sea State	Confused swell
F34	02 May 2018	High Tide (ft)	3.58
F34	02 May 2018	High Tide Time	1146
F34	02 May 2018	Low Tide (ft)	-0.37
F34	02 May 2018	Low Tide Time	534
F34	02 May 2018	Comments	none
F35	02 May 2018	Depth (m)	99
F35	02 May 2018	Arrive Time	911
F35	02 May 2018	Depart Time	918
F35	02 May 2018	Air Temp (C)	14
F35	02 May 2018	Weather	Cloudy

Station	Date	Parameter	Value
F35	02 May 2018	Visibility (mi)	6
F35	02 May 2018	Wind Speed (kts)	10
F35	02 May 2018	Wind Dir	SW
F35	02 May 2018	Water Color	Bluish-Green
F35	02 May 2018	Wave Ht Low (ft)	4
F35	02 May 2018	Wave Period (sec)	7
F35	02 May 2018	Sea State	Confused swell
F35	02 May 2018	High Tide (ft)	3.58
F35	02 May 2018	High Tide Time	1146
F35	02 May 2018	Low Tide (ft)	-0.37
F35	02 May 2018	Low Tide Time	534
F35	02 May 2018	Comments	none
F36	02 May 2018	Depth (m)	99
F36	02 May 2018	Arrive Time	837
F36	02 May 2018	Depart Time	902
F36	02 May 2018	Air Temp (C)	14
F36	02 May 2018	Weather	Drizzle
F36	02 May 2018	Visibility (mi)	6
F36	02 May 2018	Wind Speed (kts)	9
F36	02 May 2018	Wind Dir	SW
F36	02 May 2018	Water Color	Bluish-Green
F36	02 May 2018	Wave Ht Low (ft)	4
F36	02 May 2018	Wave Period (sec)	7
F36	02 May 2018	Sea State	Confused swell
F36	02 May 2018	High Tide (ft)	3.58
F36	02 May 2018	High Tide Time	1146
F36	02 May 2018	Low Tide (ft)	-0.37
F36	02 May 2018	Low Tide Time	534
F36	02 May 2018	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 (σ -t)	Chlor (μ g/L)
F01	01 May 2018	1	13.98	77.00	7.4	33.67	8.1	25.2	1.49
F01	01 May 2018	2	13.98	79.20	7.4	33.68	8.1	25.2	1.55
F01	01 May 2018	3	13.98	78.46	7.4	33.68	8.1	25.2	1.49
F01	01 May 2018	4	13.98	79.32	7.2	33.68	8.1	25.2	1.59
F01	01 May 2018	5	12.82	80.95	6.4	33.80	8.1	25.5	1.63
F01	01 May 2018	6	11.88	84.29	5.6	33.68	7.9	25.6	1.87
F01	01 May 2018	7	11.68	84.71	5.2	33.69	7.9	25.6	1.48
F01	01 May 2018	8	11.43	84.80	5.0	33.68	7.9	25.7	1.24
F01	01 May 2018	9	11.34	85.17	4.8	33.67	7.8	25.7	1.37
F01	01 May 2018	10	11.32	85.29	4.8	33.66	7.8	25.7	1.18
F01	01 May 2018	11	11.24	85.70	4.7	33.67	7.8	25.7	1.60
F01	01 May 2018	12	11.16	86.04	4.6	33.66	7.8	25.7	1.30
F01	01 May 2018	13	11.14	86.05	4.6	33.66	7.8	25.7	1.01
F01	01 May 2018	14	11.04	86.12	4.5	33.67	7.8	25.7	1.04
F01	01 May 2018	15	10.99	86.09	4.5	33.67	7.8	25.7	1.17
F01	01 May 2018	16	10.97	85.97	4.4	33.67	7.8	25.7	1.19
F01	01 May 2018	17	10.92	85.88	4.3	33.69	7.8	25.8	1.34
F01	01 May 2018	18	10.86	85.49	4.2	33.69	7.8	25.8	1.28
F01	01 May 2018	19	10.84	85.40	4.1	33.70	7.8	25.8	1.03
F01	01 May 2018	20	10.85	85.41	4.1	33.69	7.8	25.8	0.99
F02	01 May 2018	1	15.49	66.64	8.2	33.66	8.1	24.8	1.85
F02	01 May 2018	2	15.49	67.56	8.2	33.66	8.1	24.8	2.04
F02	01 May 2018	3	15.48	70.04	8.1	33.67	8.1	24.8	2.27
F02	01 May 2018	4	15.48	71.94	8.2	33.67	8.1	24.8	2.55
F02	01 May 2018	5	15.48	72.04	8.1	33.67	8.1	24.8	2.54
F02	01 May 2018	6	15.48	71.50	8.1	33.67	8.1	24.8	2.58
F02	01 May 2018	7	15.48	71.16	8.1	33.67	8.1	24.8	2.69
F02	01 May 2018	8	15.43	70.94	7.7	33.68	8.1	24.9	2.58
F02	01 May 2018	9	14.41	72.12	7.2	33.71	8.1	25.1	2.16
F02	01 May 2018	10	13.34	77.08	6.7	33.66	8.0	25.3	1.74
F02	01 May 2018	11	12.64	81.41	6.3	33.63	8.0	25.4	1.47
F02	01 May 2018	12	11.84	85.93	6.0	33.56	7.9	25.5	1.27
F02	01 May 2018	13	11.70	86.85	5.8	33.55	7.9	25.5	1.62
F02	01 May 2018	14	11.61	85.77	5.7	33.55	7.9	25.5	1.52
F02	01 May 2018	15	11.52	87.46	5.6	33.56	7.9	25.6	1.50
F02	01 May 2018	16	11.48	87.64	5.5	33.57	7.9	25.6	1.61
F02	01 May 2018	17	11.47	86.59	5.4	33.60	7.9	25.6	1.60
F02	01 May 2018	18	11.46	83.55	5.2	33.61	7.9	25.6	1.51
F02	01 May 2018	19	11.38	84.68	5.1	33.63	7.9	25.6	1.91
F02	01 May 2018	20	11.22	84.69	4.8	33.65	7.8	25.7	1.77
F02	01 May 2018	21	11.13	82.19	4.7	33.66	7.8	25.7	1.71
F03	01 May 2018	1	15.22	79.94	8.4	33.62	8.2	24.9	0.95
F03	01 May 2018	2	15.22	80.18	8.4	33.63	8.2	24.9	0.99
F03	01 May 2018	3	15.22	82.59	8.4	33.63	8.2	24.9	1.04
F03	01 May 2018	4	15.22	82.52	8.4	33.63	8.2	24.9	1.10
F03	01 May 2018	5	15.21	82.43	8.4	33.63	8.2	24.9	1.38
F03	01 May 2018	6	15.21	82.52	8.3	33.63	8.2	24.9	1.55
F03	01 May 2018	7	15.21	82.55	8.3	33.63	8.2	24.9	1.54
F03	01 May 2018	8	15.21	82.58	8.3	33.63	8.2	24.9	1.63

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F03	01 May 2018	9	15.21	82.47	8.2	33.63	8.2	24.9	1.80
F03	01 May 2018	10	14.68	82.85	7.9	33.64	8.1	25.0	1.66
F03	01 May 2018	11	13.61	83.91	7.0	33.73	8.0	25.3	1.85
F03	01 May 2018	12	11.93	84.05	6.1	33.70	8.0	25.6	1.65
F03	01 May 2018	13	11.70	84.40	5.6	33.68	7.9	25.6	1.98
F03	01 May 2018	14	11.56	84.02	5.2	33.67	7.9	25.6	1.98
F03	01 May 2018	15	11.45	83.53	5.0	33.67	7.9	25.7	2.15
F03	01 May 2018	16	11.40	82.83	4.9	33.66	7.8	25.7	1.73
F03	01 May 2018	17	11.38	82.75	4.8	33.67	7.8	25.7	1.83
F03	01 May 2018	18	11.37	80.17	4.7	33.67	7.8	25.7	1.66
F03	01 May 2018	19	11.38	73.02	4.6	33.67	7.8	25.7	1.59
F03	01 May 2018	20	11.39	58.62	4.6	33.68	7.8	25.7	1.64
F04	01 May 2018	1	14.63	79.70	8.1	33.60	8.1	25.0	1.19
F04	01 May 2018	2	14.62	78.88	8.1	33.60	8.1	25.0	1.21
F04	01 May 2018	3	14.62	80.13	8.1	33.60	8.1	25.0	1.36
F04	01 May 2018	4	14.62	80.07	8.1	33.60	8.1	25.0	1.55
F04	01 May 2018	5	14.62	79.86	8.1	33.60	8.1	25.0	1.87
F04	01 May 2018	6	14.61	80.06	8.0	33.60	8.1	25.0	1.99
F04	01 May 2018	7	14.61	80.01	8.0	33.60	8.1	25.0	2.15
F04	01 May 2018	8	14.60	80.09	8.1	33.60	8.1	25.0	2.35
F04	01 May 2018	9	14.60	80.20	8.1	33.60	8.1	25.0	2.56
F04	01 May 2018	10	14.55	80.60	8.0	33.60	8.1	25.0	2.58
F04	01 May 2018	11	14.38	82.21	7.7	33.60	8.1	25.0	2.49
F04	01 May 2018	12	14.11	85.44	7.4	33.62	8.1	25.1	2.30
F04	01 May 2018	13	13.21	87.51	7.0	33.60	8.1	25.3	2.48
F04	01 May 2018	14	12.48	87.62	6.5	33.58	8.1	25.4	1.84
F04	01 May 2018	15	11.81	87.74	6.1	33.56	8.0	25.5	1.99
F04	01 May 2018	16	11.73	87.99	6.0	33.54	8.0	25.5	1.89
F04	01 May 2018	17	11.66	88.34	5.8	33.54	8.0	25.5	1.57
F04	01 May 2018	18	11.57	88.54	5.8	33.55	7.9	25.5	1.31
F04	01 May 2018	19	11.63	88.33	5.7	33.54	7.9	25.5	1.23
F04	01 May 2018	20	11.45	88.48	5.6	33.56	7.9	25.6	1.42
F04	01 May 2018	21	11.35	88.66	5.5	33.56	7.9	25.6	1.28
F04	01 May 2018	22	11.29	88.78	5.3	33.57	7.9	25.6	1.23
F04	01 May 2018	23	11.17	88.84	5.1	33.59	7.9	25.6	1.08
F04	01 May 2018	24	11.02	89.14	5.0	33.61	7.9	25.7	0.90
F04	01 May 2018	25	11.00	89.04	4.9	33.62	7.9	25.7	0.88
F04	01 May 2018	26	10.86	89.34	4.8	33.64	7.9	25.7	0.85
F04	01 May 2018	27	10.76	89.51	4.7	33.65	7.8	25.8	0.81
F04	01 May 2018	28	10.77	89.45	4.7	33.65	7.8	25.8	0.75
F04	01 May 2018	29	10.72	89.46	4.7	33.66	7.8	25.8	0.75
F04	01 May 2018	30	10.68	89.27	4.6	33.66	7.8	25.8	0.87
F04	01 May 2018	31	10.65	89.14	4.5	33.68	7.8	25.8	0.87
F04	01 May 2018	32	10.60	89.16	4.5	33.69	7.8	25.8	0.91
F04	01 May 2018	33	10.57	89.04	4.4	33.70	7.8	25.8	0.88
F04	01 May 2018	34	10.54	88.91	4.2	33.72	7.8	25.9	0.85
F04	01 May 2018	35	10.53	88.96	4.2	33.72	7.8	25.9	0.83
F04	01 May 2018	36	10.49	89.04	4.2	33.73	7.8	25.9	0.79
F04	01 May 2018	37	10.48	88.95	4.1	33.73	7.8	25.9	0.79
F04	01 May 2018	38	10.45	88.86	4.0	33.75	7.8	25.9	0.68
F04	01 May 2018	39	10.43	88.82	3.9	33.76	7.8	25.9	0.62
F04	01 May 2018	40	10.42	88.51	3.8	33.76	7.8	25.9	0.58
F04	01 May 2018	41	10.42	88.19	3.7	33.77	7.8	25.9	0.52
F04	01 May 2018	42	10.40	87.91	3.6	33.77	7.8	25.9	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F04	01 May 2018	43	10.39	87.46	3.6	33.78	7.8	25.9	0.42
F04	01 May 2018	44	10.38	87.35	3.5	33.78	7.8	25.9	0.40
F04	01 May 2018	45	10.37	87.56	3.6	33.78	7.8	25.9	0.39
F04	01 May 2018	46	10.37	87.55	3.6	33.78	7.8	25.9	0.40
F04	01 May 2018	47	10.37	87.66	3.6	33.78	7.8	25.9	0.41
F04	01 May 2018	48	10.36	87.92	3.6	33.78	7.8	25.9	0.38
F04	01 May 2018	49	10.34	88.24	3.6	33.79	7.8	25.9	0.37
F04	01 May 2018	50	10.30	88.38	3.6	33.80	7.8	26.0	0.32
F04	01 May 2018	51	10.30	88.01	3.6	33.80	7.8	26.0	0.31
F04	01 May 2018	52	10.29	87.54	3.5	33.80	7.8	26.0	0.30
F04	01 May 2018	53	10.27	87.32	3.5	33.81	7.8	26.0	0.31
F04	01 May 2018	54	10.26	87.23	3.4	33.81	7.8	26.0	0.27
F04	01 May 2018	55	10.22	87.09	3.4	33.82	7.8	26.0	0.29
F04	01 May 2018	56	10.15	87.06	3.4	33.84	7.8	26.0	0.23
F04	01 May 2018	57	10.13	87.14	3.4	33.84	7.8	26.0	0.29
F04	01 May 2018	58	10.09	86.76	3.4	33.85	7.7	26.0	0.29
F04	01 May 2018	59	10.09	86.30	3.3	33.86	7.7	26.0	0.27
F04	01 May 2018	60	10.09	86.22	3.3	33.86	7.7	26.0	0.28
F04	01 May 2018	61	10.09	86.15	3.3	33.86	7.7	26.0	0.25
F04	01 May 2018	62	10.10	86.23	3.3	33.86	7.7	26.0	0.26
F05	01 May 2018	1	14.60	79.96	8.1	33.60	8.1	25.0	1.29
F05	01 May 2018	2	14.61	76.40	8.1	33.60	8.1	25.0	1.29
F05	01 May 2018	3	14.62	79.99	8.1	33.60	8.1	25.0	1.35
F05	01 May 2018	4	14.62	79.94	8.1	33.60	8.1	25.0	1.53
F05	01 May 2018	5	14.58	79.90	8.1	33.60	8.1	25.0	1.81
F05	01 May 2018	6	14.59	79.96	7.9	33.60	8.1	25.0	2.11
F05	01 May 2018	7	14.00	81.00	7.4	33.64	8.1	25.1	2.17
F05	01 May 2018	8	12.65	85.06	6.9	33.61	8.1	25.4	2.17
F05	01 May 2018	9	12.42	86.97	6.5	33.55	8.0	25.4	1.71
F05	01 May 2018	10	11.95	87.96	6.2	33.55	8.0	25.5	1.49
F05	01 May 2018	11	11.88	88.12	6.1	33.53	8.0	25.5	1.24
F05	01 May 2018	12	11.87	88.20	6.0	33.53	8.0	25.5	1.31
F05	01 May 2018	13	11.70	88.51	5.8	33.55	8.0	25.5	1.20
F05	01 May 2018	14	11.61	88.69	5.7	33.55	7.9	25.5	1.06
F05	01 May 2018	15	11.45	88.66	5.6	33.56	7.9	25.6	0.93
F05	01 May 2018	16	11.35	88.62	5.4	33.57	7.9	25.6	1.10
F05	01 May 2018	17	11.28	88.69	5.3	33.58	7.9	25.6	0.97
F05	01 May 2018	18	11.24	88.82	5.3	33.58	7.9	25.6	0.99
F05	01 May 2018	19	11.21	88.88	5.2	33.59	7.9	25.6	0.94
F05	01 May 2018	20	11.19	88.96	5.2	33.59	7.9	25.6	1.00
F05	01 May 2018	21	11.18	89.00	5.1	33.59	7.9	25.6	0.95
F05	01 May 2018	22	11.17	89.07	5.1	33.59	7.9	25.7	1.01
F05	01 May 2018	23	11.14	89.07	5.0	33.60	7.9	25.7	0.95
F05	01 May 2018	24	11.11	89.08	5.0	33.60	7.9	25.7	0.92
F05	01 May 2018	25	11.01	89.29	4.9	33.63	7.9	25.7	0.86
F05	01 May 2018	26	10.78	89.54	4.7	33.66	7.9	25.8	0.70
F05	01 May 2018	27	10.70	89.67	4.6	33.66	7.8	25.8	0.73
F05	01 May 2018	28	10.64	89.70	4.6	33.67	7.8	25.8	0.70
F05	01 May 2018	29	10.63	89.67	4.6	33.67	7.8	25.8	0.80
F05	01 May 2018	30	10.62	89.65	4.5	33.67	7.8	25.8	0.71
F05	01 May 2018	31	10.58	89.67	4.5	33.68	7.8	25.8	0.68
F05	01 May 2018	32	10.56	89.68	4.5	33.68	7.8	25.8	0.70
F05	01 May 2018	33	10.54	89.67	4.5	33.69	7.8	25.8	0.70
F05	01 May 2018	34	10.51	89.67	4.4	33.69	7.8	25.8	0.90

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F05	01 May 2018	35	10.48	89.66	4.4	33.70	7.8	25.9	0.74
F05	01 May 2018	36	10.46	89.59	4.4	33.71	7.8	25.9	0.68
F05	01 May 2018	37	10.45	89.53	4.3	33.72	7.8	25.9	0.70
F05	01 May 2018	38	10.46	89.29	4.2	33.73	7.8	25.9	0.72
F05	01 May 2018	39	10.43	89.20	4.2	33.73	7.8	25.9	0.74
F05	01 May 2018	40	10.40	89.26	4.1	33.74	7.8	25.9	0.73
F05	01 May 2018	41	10.40	89.18	4.1	33.75	7.8	25.9	0.68
F05	01 May 2018	42	10.41	88.89	4.0	33.75	7.8	25.9	0.66
F05	01 May 2018	43	10.41	88.54	3.8	33.77	7.8	25.9	0.62
F05	01 May 2018	44	10.40	88.51	3.8	33.77	7.8	25.9	0.60
F05	01 May 2018	45	10.39	88.43	3.8	33.77	7.8	25.9	0.59
F05	01 May 2018	46	10.36	88.11	3.7	33.78	7.8	25.9	0.56
F05	01 May 2018	47	10.32	88.20	3.7	33.78	7.8	25.9	0.54
F05	01 May 2018	48	10.32	88.14	3.8	33.78	7.8	25.9	0.51
F05	01 May 2018	49	10.33	88.15	3.8	33.78	7.8	25.9	0.49
F05	01 May 2018	50	10.29	87.71	3.7	33.79	7.8	26.0	0.48
F05	01 May 2018	51	10.28	87.75	3.7	33.79	7.8	26.0	0.48
F05	01 May 2018	52	10.25	88.06	3.7	33.79	7.8	26.0	0.50
F05	01 May 2018	53	10.24	87.74	3.7	33.79	7.8	26.0	0.59
F05	01 May 2018	54	10.23	87.31	3.6	33.80	7.8	26.0	0.43
F05	01 May 2018	55	10.20	86.72	3.5	33.82	7.8	26.0	0.36
F05	01 May 2018	56	10.20	86.73	3.5	33.82	7.8	26.0	0.31
F05	01 May 2018	57	10.18	86.22	3.4	33.83	7.8	26.0	0.22
F05	01 May 2018	58	10.17	86.43	3.4	33.83	7.7	26.0	0.26
F05	01 May 2018	59	10.08	85.24	3.4	33.85	7.7	26.0	0.31
F05	01 May 2018	60	10.05	84.54	3.3	33.85	7.7	26.0	0.30
F05	01 May 2018	61	10.05	84.27	3.3	33.86	7.7	26.1	0.30
F05	01 May 2018	62	10.04	84.18	3.3	33.86	7.7	26.1	0.28
F05	01 May 2018	63	10.05	84.19	3.3	33.86	7.7	26.1	0.28
F06	01 May 2018	1	14.58	77.78	8.1	33.60	8.1	25.0	1.22
F06	01 May 2018	2	14.58	81.29	8.1	33.61	8.1	25.0	1.14
F06	01 May 2018	3	14.58	82.11	7.9	33.61	8.1	25.0	1.20
F06	01 May 2018	4	13.52	83.64	7.3	33.73	8.1	25.3	1.33
F06	01 May 2018	5	12.35	86.84	6.8	33.60	8.0	25.4	1.28
F06	01 May 2018	6	12.30	86.80	6.5	33.55	8.0	25.4	1.05
F06	01 May 2018	7	12.08	87.46	6.3	33.55	8.0	25.5	1.44
F06	01 May 2018	8	11.93	87.63	6.1	33.55	8.0	25.5	1.98
F06	01 May 2018	9	11.86	87.94	6.0	33.54	8.0	25.5	1.30
F06	01 May 2018	10	11.74	88.45	5.9	33.55	8.0	25.5	1.17
F06	01 May 2018	11	11.61	88.63	5.8	33.56	7.9	25.5	0.94
F06	01 May 2018	12	11.51	88.81	5.7	33.56	7.9	25.6	0.90
F06	01 May 2018	13	11.46	88.73	5.6	33.56	7.9	25.6	0.76
F06	01 May 2018	14	11.35	88.74	5.4	33.57	7.9	25.6	0.70
F06	01 May 2018	15	11.27	88.78	5.3	33.58	7.9	25.6	0.78
F06	01 May 2018	16	11.21	88.89	5.3	33.59	7.9	25.6	0.83
F06	01 May 2018	17	11.18	88.97	5.2	33.59	7.9	25.6	0.83
F06	01 May 2018	18	11.15	89.11	5.1	33.60	7.9	25.7	0.85
F06	01 May 2018	19	11.10	89.29	5.0	33.61	7.9	25.7	0.79
F06	01 May 2018	20	11.02	89.35	5.0	33.62	7.9	25.7	1.01
F06	01 May 2018	21	10.88	89.39	4.9	33.64	7.9	25.7	0.76
F06	01 May 2018	22	10.84	89.55	4.8	33.64	7.9	25.7	0.77
F06	01 May 2018	23	10.83	89.63	4.7	33.64	7.9	25.8	0.65
F06	01 May 2018	24	10.77	89.66	4.7	33.66	7.9	25.8	0.59
F06	01 May 2018	25	10.67	89.75	4.7	33.67	7.8	25.8	0.55

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F06	01 May 2018	26	10.65	89.86	4.6	33.67	7.8	25.8	0.47
F06	01 May 2018	27	10.60	89.87	4.6	33.67	7.8	25.8	0.48
F06	01 May 2018	28	10.59	89.75	4.5	33.68	7.8	25.8	0.44
F06	01 May 2018	29	10.57	89.85	4.5	33.68	7.8	25.8	0.63
F06	01 May 2018	30	10.50	89.89	4.5	33.69	7.8	25.8	0.47
F06	01 May 2018	31	10.45	89.87	4.5	33.70	7.8	25.9	0.46
F06	01 May 2018	32	10.44	89.84	4.5	33.70	7.8	25.9	0.48
F06	01 May 2018	33	10.43	89.84	4.5	33.70	7.8	25.9	0.49
F06	01 May 2018	34	10.41	89.87	4.4	33.71	7.8	25.9	0.55
F06	01 May 2018	35	10.40	89.78	4.4	33.71	7.8	25.9	0.44
F06	01 May 2018	36	10.39	89.86	4.4	33.71	7.8	25.9	0.43
F06	01 May 2018	37	10.35	89.80	4.4	33.72	7.8	25.9	0.40
F06	01 May 2018	38	10.36	89.65	4.3	33.73	7.8	25.9	0.43
F06	01 May 2018	39	10.34	89.36	4.2	33.74	7.8	25.9	0.56
F06	01 May 2018	40	10.33	89.35	4.2	33.74	7.8	25.9	0.43
F06	01 May 2018	41	10.33	89.41	4.2	33.74	7.8	25.9	0.44
F06	01 May 2018	42	10.26	89.44	4.2	33.75	7.8	25.9	0.39
F06	01 May 2018	43	10.24	89.66	4.3	33.74	7.8	25.9	0.34
F06	01 May 2018	44	10.24	89.85	4.3	33.74	7.8	25.9	0.30
F06	01 May 2018	45	10.25	89.78	4.2	33.75	7.8	25.9	0.33
F06	01 May 2018	46	10.26	89.46	4.1	33.76	7.8	25.9	0.35
F06	01 May 2018	47	10.26	89.38	4.1	33.76	7.8	25.9	0.33
F06	01 May 2018	48	10.26	89.28	4.1	33.76	7.8	25.9	0.34
F06	01 May 2018	49	10.25	89.19	4.0	33.77	7.8	25.9	0.33
F06	01 May 2018	50	10.25	89.20	4.0	33.77	7.8	25.9	0.31
F06	01 May 2018	51	10.24	89.04	4.0	33.77	7.8	26.0	0.29
F06	01 May 2018	52	10.23	88.97	3.9	33.78	7.8	26.0	0.27
F06	01 May 2018	53	10.18	88.53	3.8	33.80	7.8	26.0	0.27
F06	01 May 2018	54	10.15	86.01	3.6	33.82	7.8	26.0	0.21
F06	01 May 2018	55	10.15	86.34	3.6	33.81	7.8	26.0	0.21
F06	01 May 2018	56	10.11	85.98	3.5	33.83	7.8	26.0	0.19
F06	01 May 2018	57	10.06	84.97	3.5	33.84	7.8	26.0	0.22
F06	01 May 2018	58	10.06	84.23	3.4	33.84	7.7	26.0	0.37
F06	01 May 2018	59	10.06	83.88	3.4	33.84	7.7	26.0	0.27
F06	01 May 2018	60	10.06	83.83	3.4	33.84	7.7	26.0	0.23
F06	01 May 2018	61	10.05	83.81	3.4	33.84	7.7	26.0	0.31
F06	01 May 2018	62	10.06	83.85	3.4	33.84	7.7	26.0	0.27
F07	01 May 2018	1	14.54	82.21	8.1	33.60	8.1	25.0	1.43
F07	01 May 2018	2	14.54	82.37	8.1	33.61	8.1	25.0	1.36
F07	01 May 2018	3	14.54	82.40	8.1	33.61	8.1	25.0	1.38
F07	01 May 2018	4	13.27	83.03	7.3	33.86	8.1	25.5	1.43
F07	01 May 2018	5	12.57	85.21	6.9	33.60	8.0	25.4	1.52
F07	01 May 2018	6	12.33	86.90	6.4	33.59	8.0	25.4	1.70
F07	01 May 2018	7	11.95	87.61	6.2	33.55	8.0	25.5	1.77
F07	01 May 2018	8	11.90	87.67	6.1	33.54	8.0	25.5	1.56
F07	01 May 2018	9	11.84	88.32	6.0	33.54	8.0	25.5	1.13
F07	01 May 2018	10	11.77	88.54	5.9	33.54	7.9	25.5	1.20
F07	01 May 2018	11	11.67	88.71	5.8	33.56	7.9	25.5	0.95
F07	01 May 2018	12	11.49	88.86	5.7	33.56	7.9	25.6	0.82
F07	01 May 2018	13	11.41	88.87	5.5	33.57	7.9	25.6	0.81
F07	01 May 2018	14	11.35	88.81	5.4	33.57	7.9	25.6	0.85
F07	01 May 2018	15	11.35	88.77	5.4	33.57	7.9	25.6	0.91
F07	01 May 2018	16	11.25	88.88	5.3	33.59	7.9	25.6	1.03
F07	01 May 2018	17	11.16	89.08	5.1	33.60	7.9	25.7	0.93

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F07	01 May 2018	18	11.11	89.15	5.0	33.61	7.9	25.7	0.89
F07	01 May 2018	19	11.00	89.40	4.9	33.63	7.9	25.7	0.80
F07	01 May 2018	20	10.92	89.44	4.8	33.63	7.8	25.7	0.66
F07	01 May 2018	21	10.87	89.39	4.7	33.64	7.8	25.7	0.59
F07	01 May 2018	22	10.76	89.51	4.6	33.66	7.8	25.8	0.53
F07	01 May 2018	23	10.72	89.54	4.6	33.66	7.8	25.8	0.53
F07	01 May 2018	24	10.70	89.62	4.6	33.66	7.8	25.8	0.60
F07	01 May 2018	25	10.66	89.68	4.5	33.66	7.8	25.8	0.57
F07	01 May 2018	26	10.65	89.66	4.5	33.67	7.8	25.8	0.54
F07	01 May 2018	27	10.63	89.76	4.5	33.67	7.8	25.8	0.52
F07	01 May 2018	28	10.63	89.77	4.5	33.67	7.8	25.8	0.54
F07	01 May 2018	29	10.60	89.78	4.5	33.68	7.8	25.8	0.51
F07	01 May 2018	30	10.55	89.80	4.5	33.68	7.8	25.8	0.51
F07	01 May 2018	31	10.53	89.77	4.5	33.69	7.8	25.8	0.52
F07	01 May 2018	32	10.50	89.59	4.4	33.70	7.8	25.8	0.53
F07	01 May 2018	33	10.50	89.39	4.4	33.70	7.8	25.9	0.58
F07	01 May 2018	34	10.50	89.34	4.4	33.70	7.8	25.9	0.59
F07	01 May 2018	35	10.49	89.26	4.3	33.71	7.8	25.9	0.65
F07	01 May 2018	36	10.48	89.35	4.3	33.71	7.8	25.9	0.63
F07	01 May 2018	37	10.45	89.44	4.3	33.72	7.8	25.9	0.64
F07	01 May 2018	38	10.44	89.51	4.3	33.73	7.8	25.9	0.63
F07	01 May 2018	39	10.42	89.49	4.2	33.73	7.8	25.9	0.60
F07	01 May 2018	40	10.36	89.43	4.2	33.74	7.8	25.9	0.55
F07	01 May 2018	41	10.33	89.30	4.2	33.74	7.8	25.9	0.52
F07	01 May 2018	42	10.33	89.31	4.1	33.74	7.8	25.9	0.48
F07	01 May 2018	43	10.31	89.29	4.1	33.75	7.8	25.9	0.51
F07	01 May 2018	44	10.32	89.13	4.1	33.75	7.8	25.9	0.46
F07	01 May 2018	45	10.33	89.02	4.0	33.76	7.8	25.9	0.46
F07	01 May 2018	46	10.34	88.71	3.9	33.76	7.8	25.9	0.45
F07	01 May 2018	47	10.35	88.25	3.8	33.77	7.8	25.9	0.43
F07	01 May 2018	48	10.34	87.98	3.8	33.78	7.8	25.9	0.43
F07	01 May 2018	49	10.33	87.86	3.7	33.78	7.8	25.9	0.42
F07	01 May 2018	50	10.33	87.87	3.8	33.77	7.8	25.9	0.40
F07	01 May 2018	51	10.32	87.93	3.8	33.77	7.8	25.9	0.41
F07	01 May 2018	52	10.31	87.94	3.8	33.77	7.8	25.9	0.45
F07	01 May 2018	53	10.28	88.08	3.8	33.77	7.8	25.9	0.39
F07	01 May 2018	54	10.26	87.80	3.8	33.78	7.8	26.0	0.37
F07	01 May 2018	55	10.26	87.20	3.7	33.78	7.8	26.0	0.31
F07	01 May 2018	56	10.22	86.86	3.7	33.79	7.8	26.0	0.32
F07	01 May 2018	57	10.13	86.15	3.6	33.82	7.8	26.0	0.33
F07	01 May 2018	58	10.05	84.86	3.6	33.84	7.8	26.0	0.29
F07	01 May 2018	59	10.07	83.70	3.5	33.83	7.8	26.0	0.30
F07	01 May 2018	60	10.03	82.60	3.5	33.84	7.7	26.0	0.34
F07	01 May 2018	61	10.03	82.12	3.5	33.84	7.7	26.0	0.37
F07	01 May 2018	62	10.03	81.09	3.5	33.84	7.7	26.0	0.29
F07	01 May 2018	63	10.03	81.02	3.5	33.84	7.7	26.0	0.30
F07	01 May 2018	64	10.03	80.68	3.5	33.84	7.7	26.0	0.27
F08	01 May 2018	1	14.67	82.47	8.2	33.62	8.1	25.0	1.19
F08	01 May 2018	2	14.67	82.35	8.2	33.62	8.1	25.0	1.27
F08	01 May 2018	3	14.67	82.49	8.2	33.62	8.1	25.0	1.26
F08	01 May 2018	4	14.68	82.62	8.2	33.62	8.1	25.0	1.36
F08	01 May 2018	5	14.66	82.62	8.2	33.62	8.1	25.0	1.43
F08	01 May 2018	6	14.60	82.60	7.8	33.62	8.1	25.0	1.56
F08	01 May 2018	7	12.54	85.58	7.0	33.72	8.1	25.5	1.57

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F08	01 May 2018	8	12.16	84.92	6.5	33.56	8.0	25.4	1.78
F08	01 May 2018	9	12.12	87.36	6.2	33.54	8.0	25.4	1.45
F08	01 May 2018	10	11.99	87.74	6.2	33.54	8.0	25.5	2.02
F08	01 May 2018	11	11.88	86.40	6.1	33.54	8.0	25.5	1.72
F08	01 May 2018	12	11.80	88.05	6.0	33.54	8.0	25.5	2.13
F08	01 May 2018	13	11.72	88.15	5.9	33.54	7.9	25.5	1.00
F08	01 May 2018	14	11.72	88.17	5.8	33.55	7.9	25.5	1.10
F08	01 May 2018	15	11.55	88.59	5.7	33.56	7.9	25.6	1.35
F08	01 May 2018	16	11.44	88.67	5.6	33.57	7.9	25.6	1.22
F08	01 May 2018	17	11.39	88.63	5.5	33.57	7.9	25.6	1.24
F08	01 May 2018	18	11.36	88.73	5.4	33.58	7.9	25.6	1.06
F08	01 May 2018	19	11.27	89.00	5.3	33.60	7.9	25.6	0.97
F08	01 May 2018	20	11.06	89.13	5.0	33.62	7.9	25.7	0.92
F08	01 May 2018	21	10.93	89.44	4.8	33.63	7.9	25.7	0.99
F08	01 May 2018	22	10.88	89.34	4.7	33.64	7.8	25.7	0.71
F08	01 May 2018	23	10.83	89.36	4.7	33.65	7.8	25.8	0.79
F08	01 May 2018	24	10.76	89.14	4.6	33.66	7.8	25.8	0.83
F08	01 May 2018	25	10.75	89.15	4.6	33.66	7.8	25.8	0.88
F08	01 May 2018	26	10.72	89.26	4.6	33.66	7.8	25.8	0.92
F08	01 May 2018	27	10.70	89.30	4.5	33.66	7.8	25.8	1.00
F08	01 May 2018	28	10.68	89.10	4.5	33.67	7.8	25.8	0.92
F08	01 May 2018	29	10.66	89.17	4.5	33.68	7.8	25.8	0.88
F08	01 May 2018	30	10.58	89.37	4.4	33.69	7.8	25.8	0.78
F08	01 May 2018	31	10.52	89.42	4.4	33.70	7.8	25.8	0.74
F08	01 May 2018	32	10.50	89.61	4.4	33.70	7.8	25.8	0.69
F08	01 May 2018	33	10.49	89.28	4.3	33.70	7.8	25.9	0.64
F08	01 May 2018	34	10.46	87.75	4.2	33.70	7.8	25.9	0.63
F08	01 May 2018	35	10.46	87.40	4.0	33.72	7.8	25.9	0.68
F08	01 May 2018	36	10.48	88.29	4.1	33.72	7.8	25.9	0.68
F08	01 May 2018	37	10.47	88.29	4.0	33.73	7.8	25.9	0.65
F08	01 May 2018	38	10.47	88.45	4.0	33.73	7.8	25.9	0.65
F08	01 May 2018	39	10.45	88.66	4.0	33.74	7.8	25.9	0.62
F08	01 May 2018	40	10.46	88.41	3.9	33.75	7.8	25.9	0.62
F08	01 May 2018	41	10.46	87.47	3.7	33.76	7.8	25.9	0.53
F08	01 May 2018	42	10.46	86.93	3.6	33.76	7.8	25.9	0.50
F08	01 May 2018	43	10.46	86.74	3.6	33.76	7.8	25.9	0.48
F08	01 May 2018	44	10.45	86.81	3.6	33.77	7.8	25.9	0.48
F08	01 May 2018	45	10.43	86.91	3.6	33.77	7.8	25.9	0.45
F08	01 May 2018	46	10.43	86.96	3.6	33.77	7.8	25.9	0.45
F08	01 May 2018	47	10.42	86.92	3.6	33.77	7.8	25.9	0.44
F08	01 May 2018	48	10.42	86.79	3.6	33.77	7.8	25.9	0.45
F08	01 May 2018	49	10.41	86.62	3.6	33.77	7.8	25.9	0.43
F08	01 May 2018	50	10.41	86.64	3.6	33.77	7.8	25.9	0.43
F08	01 May 2018	51	10.40	86.57	3.6	33.77	7.8	25.9	0.45
F08	01 May 2018	52	10.40	86.23	3.6	33.77	7.8	25.9	0.40
F08	01 May 2018	53	10.40	85.55	3.5	33.77	7.8	25.9	0.40
F08	01 May 2018	54	10.36	83.31	3.4	33.78	7.7	25.9	0.38
F08	01 May 2018	55	10.31	82.16	3.4	33.79	7.7	26.0	0.40
F08	01 May 2018	56	10.24	82.73	3.5	33.80	7.7	26.0	0.38
F08	01 May 2018	57	10.19	83.32	3.5	33.80	7.8	26.0	0.33
F08	01 May 2018	58	10.20	83.27	3.5	33.80	7.8	26.0	0.38
F08	01 May 2018	59	10.15	82.85	3.5	33.81	7.8	26.0	0.40
F08	01 May 2018	60	10.12	82.09	3.5	33.81	7.8	26.0	0.40
F08	01 May 2018	61	10.11	81.58	3.5	33.81	7.8	26.0	0.37
F08	01 May 2018	62	10.11	81.54	3.5	33.81	7.8	26.0	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F09	01 May 2018	1	14.84	79.30	8.3	33.60	8.2	24.9	0.96
F09	01 May 2018	2	14.84	81.50	8.3	33.61	8.2	24.9	0.99
F09	01 May 2018	3	14.84	81.84	8.3	33.62	8.2	24.9	1.03
F09	01 May 2018	4	14.84	81.69	8.2	33.62	8.2	24.9	1.15
F09	01 May 2018	5	14.81	81.78	7.8	33.62	8.2	24.9	1.25
F09	01 May 2018	6	13.28	83.65	7.4	33.68	8.1	25.3	1.37
F09	01 May 2018	7	12.47	86.15	6.7	33.56	8.0	25.4	1.33
F09	01 May 2018	8	12.20	87.35	6.4	33.54	8.0	25.4	1.21
F09	01 May 2018	9	12.12	87.43	6.2	33.53	8.0	25.4	1.17
F09	01 May 2018	10	11.98	87.80	6.2	33.53	8.0	25.5	1.02
F09	01 May 2018	11	11.88	88.25	6.1	33.53	8.0	25.5	1.27
F09	01 May 2018	12	11.84	88.35	6.0	33.54	8.0	25.5	1.13
F09	01 May 2018	13	11.74	88.42	5.9	33.54	8.0	25.5	1.00
F09	01 May 2018	14	11.74	88.56	5.8	33.55	8.0	25.5	1.52
F09	01 May 2018	15	11.48	88.77	5.6	33.56	7.9	25.6	1.11
F09	01 May 2018	16	11.36	88.97	5.5	33.57	7.9	25.6	0.94
F09	01 May 2018	17	11.33	88.93	5.4	33.57	7.9	25.6	0.83
F09	01 May 2018	18	11.30	88.86	5.3	33.57	7.9	25.6	1.13
F09	01 May 2018	19	11.25	88.94	5.2	33.58	7.9	25.6	1.08
F09	01 May 2018	20	11.12	89.09	5.1	33.60	7.9	25.7	1.01
F09	01 May 2018	21	11.05	89.29	4.9	33.61	7.9	25.7	0.94
F09	01 May 2018	22	10.90	89.59	4.8	33.63	7.9	25.7	0.62
F09	01 May 2018	23	10.81	89.54	4.7	33.65	7.8	25.8	0.64
F09	01 May 2018	24	10.78	89.61	4.6	33.65	7.8	25.8	0.57
F09	01 May 2018	25	10.75	89.49	4.6	33.65	7.8	25.8	0.60
F09	01 May 2018	26	10.73	89.75	4.6	33.65	7.8	25.8	0.64
F09	01 May 2018	27	10.70	89.76	4.6	33.66	7.8	25.8	0.56
F09	01 May 2018	28	10.69	89.82	4.6	33.66	7.8	25.8	0.49
F09	01 May 2018	29	10.65	89.81	4.5	33.67	7.8	25.8	0.58
F09	01 May 2018	30	10.61	89.82	4.5	33.67	7.8	25.8	0.51
F09	01 May 2018	31	10.58	89.75	4.5	33.68	7.8	25.8	0.48
F09	01 May 2018	32	10.55	89.63	4.4	33.69	7.8	25.8	0.49
F09	01 May 2018	33	10.53	89.80	4.4	33.69	7.8	25.8	0.50
F09	01 May 2018	34	10.46	89.67	4.5	33.70	7.8	25.9	0.45
F09	01 May 2018	35	10.43	89.77	4.4	33.71	7.8	25.9	0.48
F09	01 May 2018	36	10.41	89.60	4.3	33.72	7.8	25.9	0.48
F09	01 May 2018	37	10.42	88.97	4.2	33.72	7.8	25.9	0.50
F09	01 May 2018	38	10.43	88.89	4.1	33.73	7.8	25.9	0.51
F09	01 May 2018	39	10.43	88.16	4.0	33.73	7.8	25.9	0.52
F09	01 May 2018	40	10.41	88.32	4.0	33.74	7.8	25.9	0.52
F09	01 May 2018	41	10.40	88.63	4.0	33.74	7.8	25.9	0.57
F09	01 May 2018	42	10.39	88.56	4.1	33.74	7.8	25.9	0.55
F09	01 May 2018	43	10.39	88.77	4.0	33.74	7.8	25.9	0.52
F09	01 May 2018	44	10.39	89.06	4.0	33.74	7.8	25.9	0.51
F09	01 May 2018	45	10.36	89.13	4.1	33.74	7.8	25.9	0.50
F09	01 May 2018	46	10.35	89.11	4.1	33.75	7.8	25.9	0.51
F09	01 May 2018	47	10.35	88.96	4.0	33.75	7.8	25.9	0.49
F09	01 May 2018	48	10.35	88.60	4.0	33.75	7.8	25.9	0.55
F09	01 May 2018	49	10.35	88.18	3.9	33.76	7.8	25.9	0.47
F09	01 May 2018	50	10.36	87.95	3.9	33.76	7.8	25.9	0.47
F09	01 May 2018	51	10.36	87.92	3.8	33.76	7.8	25.9	0.43
F09	01 May 2018	52	10.35	87.67	3.8	33.77	7.8	25.9	0.42
F09	01 May 2018	53	10.35	87.46	3.8	33.77	7.8	25.9	0.45
F09	01 May 2018	54	10.34	87.33	3.8	33.77	7.8	25.9	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F09	01 May 2018	55	10.32	87.29	3.7	33.77	7.8	25.9	0.38
F09	01 May 2018	56	10.26	85.39	3.7	33.79	7.8	26.0	0.38
F09	01 May 2018	57	10.22	83.97	3.6	33.80	7.8	26.0	0.44
F09	01 May 2018	58	10.13	84.00	3.6	33.82	7.8	26.0	0.40
F09	01 May 2018	59	10.08	83.07	3.6	33.82	7.8	26.0	0.42
F09	01 May 2018	60	10.04	80.52	3.5	33.83	7.8	26.0	0.41
F09	01 May 2018	61	10.04	80.08	3.5	33.83	7.8	26.0	0.34
F09	01 May 2018	62	10.04	79.45	3.5	33.83	7.8	26.0	0.32
F09	01 May 2018	63	10.04	78.97	3.5	33.83	7.7	26.0	0.24
F10	01 May 2018	1	14.74	81.23	8.3	33.62	8.2	25.0	0.82
F10	01 May 2018	2	14.74	82.33	8.3	33.54	8.2	24.9	0.97
F10	01 May 2018	3	14.74	82.49	8.3	33.62	8.2	25.0	0.96
F10	01 May 2018	4	14.74	82.46	8.3	33.62	8.2	25.0	1.06
F10	01 May 2018	5	14.74	82.47	8.2	33.62	8.2	25.0	1.19
F10	01 May 2018	6	14.70	82.46	8.0	33.63	8.2	25.0	1.31
F10	01 May 2018	7	14.20	82.44	7.6	33.61	8.1	25.1	1.52
F10	01 May 2018	8	12.72	85.53	6.9	33.65	8.1	25.4	1.63
F10	01 May 2018	9	12.15	87.29	6.4	33.56	8.0	25.4	1.29
F10	01 May 2018	10	12.00	88.03	6.2	33.55	8.0	25.5	1.41
F10	01 May 2018	11	11.88	88.02	6.0	33.54	8.0	25.5	1.00
F10	01 May 2018	12	11.76	88.55	5.9	33.55	8.0	25.5	0.85
F10	01 May 2018	13	11.68	88.79	5.8	33.55	7.9	25.5	0.94
F10	01 May 2018	14	11.56	88.86	5.7	33.56	7.9	25.6	1.00
F10	01 May 2018	15	11.43	88.98	5.6	33.57	7.9	25.6	0.90
F10	01 May 2018	16	11.28	89.15	5.4	33.58	7.9	25.6	0.81
F10	01 May 2018	17	11.21	89.13	5.3	33.58	7.9	25.6	0.77
F10	01 May 2018	18	11.28	89.11	5.3	33.57	7.9	25.6	0.94
F10	01 May 2018	19	11.17	89.06	5.2	33.59	7.9	25.6	0.75
F10	01 May 2018	20	11.12	89.24	5.1	33.60	7.9	25.7	0.73
F10	01 May 2018	21	11.01	89.39	5.0	33.62	7.9	25.7	0.74
F10	01 May 2018	22	10.93	89.50	4.8	33.63	7.9	25.7	0.81
F10	01 May 2018	23	10.75	89.77	4.7	33.66	7.8	25.8	0.74
F10	01 May 2018	24	10.66	89.85	4.6	33.66	7.8	25.8	0.62
F10	01 May 2018	25	10.66	89.84	4.6	33.66	7.8	25.8	0.60
F10	01 May 2018	26	10.64	89.78	4.5	33.66	7.8	25.8	0.70
F10	01 May 2018	27	10.61	89.97	4.5	33.67	7.8	25.8	0.44
F10	01 May 2018	28	10.62	89.96	4.5	33.67	7.8	25.8	0.45
F10	01 May 2018	29	10.56	89.99	4.5	33.68	7.8	25.8	0.43
F10	01 May 2018	30	10.54	89.98	4.4	33.68	7.8	25.8	0.45
F10	01 May 2018	31	10.52	89.98	4.5	33.69	7.8	25.8	0.42
F10	01 May 2018	32	10.48	89.96	4.5	33.70	7.8	25.9	0.40
F10	01 May 2018	33	10.42	89.71	4.4	33.71	7.8	25.9	0.47
F10	01 May 2018	34	10.42	89.68	4.4	33.71	7.8	25.9	0.51
F10	01 May 2018	35	10.41	89.68	4.3	33.71	7.8	25.9	0.51
F10	01 May 2018	36	10.41	89.59	4.3	33.72	7.8	25.9	0.52
F10	01 May 2018	37	10.39	89.61	4.3	33.72	7.8	25.9	0.50
F10	01 May 2018	38	10.38	89.54	4.3	33.73	7.8	25.9	0.51
F10	01 May 2018	39	10.37	89.52	4.2	33.73	7.8	25.9	0.54
F10	01 May 2018	40	10.38	89.51	4.2	33.73	7.8	25.9	0.51
F10	01 May 2018	41	10.36	89.33	4.2	33.74	7.8	25.9	0.53
F10	01 May 2018	42	10.34	89.13	4.1	33.75	7.8	25.9	0.49
F10	01 May 2018	43	10.35	88.91	4.0	33.76	7.8	25.9	0.45
F10	01 May 2018	44	10.35	88.79	3.9	33.76	7.8	25.9	0.45
F10	01 May 2018	45	10.35	88.10	3.8	33.76	7.8	25.9	0.45

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F10	01 May 2018	46	10.35	87.90	3.8	33.76	7.8	25.9	0.41
F10	01 May 2018	47	10.35	87.50	3.8	33.77	7.8	25.9	0.44
F10	01 May 2018	48	10.34	87.31	3.8	33.77	7.8	25.9	0.42
F10	01 May 2018	49	10.32	86.55	3.8	33.77	7.8	25.9	0.40
F10	01 May 2018	50	10.30	86.79	3.8	33.77	7.8	25.9	0.38
F10	01 May 2018	51	10.27	86.07	3.8	33.78	7.8	26.0	0.37
F10	01 May 2018	52	10.21	87.50	3.9	33.78	7.8	26.0	0.32
F10	01 May 2018	53	10.19	87.98	3.9	33.78	7.8	26.0	0.28
F10	01 May 2018	54	10.17	88.13	3.9	33.78	7.8	26.0	0.26
F10	01 May 2018	55	10.16	88.30	3.9	33.79	7.8	26.0	0.27
F10	01 May 2018	56	10.15	87.73	3.8	33.79	7.8	26.0	0.25
F10	01 May 2018	57	10.14	86.33	3.7	33.80	7.8	26.0	0.25
F10	01 May 2018	58	10.11	84.33	3.6	33.82	7.8	26.0	0.25
F10	01 May 2018	59	10.10	82.67	3.5	33.82	7.8	26.0	0.26
F10	01 May 2018	60	10.06	81.23	3.4	33.84	7.7	26.0	0.26
F10	01 May 2018	61	10.04	80.36	3.4	33.84	7.7	26.0	0.26
F10	01 May 2018	62	10.04	80.00	3.4	33.84	7.7	26.0	0.26
F10	01 May 2018	63	10.04	79.73	3.4	33.84	7.7	26.0	0.29
F11	01 May 2018	1	14.75	82.37	8.3	33.63	8.1	25.0	0.76
F11	01 May 2018	2	14.74	82.33	8.3	33.63	8.1	25.0	0.82
F11	01 May 2018	3	14.74	82.74	8.3	33.63	8.1	25.0	0.90
F11	01 May 2018	4	14.74	82.74	8.3	33.63	8.1	25.0	1.01
F11	01 May 2018	5	14.74	82.61	8.2	33.63	8.1	25.0	1.19
F11	01 May 2018	6	14.69	82.57	7.7	33.62	8.1	25.0	1.27
F11	01 May 2018	7	13.04	84.36	7.3	33.70	8.1	25.4	1.45
F11	01 May 2018	8	12.76	84.07	6.8	33.54	8.0	25.3	1.42
F11	01 May 2018	9	12.17	87.08	6.4	33.56	8.0	25.4	1.32
F11	01 May 2018	10	12.14	87.82	6.2	33.53	8.0	25.4	0.97
F11	01 May 2018	11	12.01	86.72	6.1	33.55	8.0	25.5	1.11
F11	01 May 2018	12	11.81	88.28	6.0	33.56	8.0	25.5	1.02
F11	01 May 2018	13	11.73	88.56	5.8	33.60	8.0	25.6	1.22
F11	01 May 2018	14	11.62	88.68	5.7	33.60	8.0	25.6	1.07
F11	01 May 2018	15	11.44	88.86	5.5	33.60	7.9	25.6	1.07
F11	01 May 2018	16	11.22	89.09	5.4	33.62	7.9	25.7	1.05
F11	01 May 2018	17	11.16	89.17	5.2	33.61	7.9	25.7	0.94
F11	01 May 2018	18	11.15	89.16	5.1	33.61	7.9	25.7	0.83
F11	01 May 2018	19	11.15	89.25	5.2	33.61	7.9	25.7	0.87
F11	01 May 2018	20	11.12	89.20	5.1	33.61	7.9	25.7	0.78
F11	01 May 2018	21	11.06	89.39	5.0	33.62	7.9	25.7	0.82
F11	01 May 2018	22	11.02	89.39	4.9	33.62	7.9	25.7	0.81
F11	01 May 2018	23	10.96	89.40	4.9	33.63	7.9	25.7	0.80
F11	01 May 2018	24	10.80	89.71	4.8	33.65	7.9	25.8	0.70
F11	01 May 2018	25	10.71	89.78	4.7	33.67	7.8	25.8	0.60
F11	01 May 2018	26	10.63	89.90	4.6	33.67	7.8	25.8	0.60
F11	01 May 2018	27	10.63	89.98	4.6	33.67	7.8	25.8	0.49
F11	01 May 2018	28	10.59	89.99	4.5	33.68	7.8	25.8	0.42
F11	01 May 2018	29	10.58	90.05	4.5	33.68	7.8	25.8	0.44
F11	01 May 2018	30	10.57	90.02	4.5	33.68	7.8	25.8	0.42
F11	01 May 2018	31	10.53	89.96	4.5	33.69	7.8	25.8	0.41
F11	01 May 2018	32	10.48	90.00	4.5	33.69	7.8	25.8	0.42
F11	01 May 2018	33	10.45	90.02	4.5	33.70	7.8	25.9	0.40
F11	01 May 2018	34	10.42	89.98	4.5	33.70	7.8	25.9	0.44
F11	01 May 2018	35	10.36	90.00	4.5	33.71	7.8	25.9	0.40
F11	01 May 2018	36	10.32	90.00	4.5	33.72	7.8	25.9	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F11	01 May 2018	37	10.31	89.97	4.4	33.72	7.8	25.9	0.39
F11	01 May 2018	38	10.28	90.04	4.4	33.73	7.8	25.9	0.36
F11	01 May 2018	39	10.28	89.99	4.3	33.73	7.8	25.9	0.37
F11	01 May 2018	40	10.28	90.00	4.4	33.73	7.8	25.9	0.36
F11	01 May 2018	41	10.29	89.97	4.3	33.73	7.8	25.9	0.36
F11	01 May 2018	42	10.29	89.97	4.3	33.73	7.8	25.9	0.35
F11	01 May 2018	43	10.29	89.99	4.3	33.73	7.8	25.9	0.34
F11	01 May 2018	44	10.27	90.04	4.3	33.73	7.8	25.9	0.36
F11	01 May 2018	45	10.26	90.04	4.3	33.74	7.8	25.9	0.33
F11	01 May 2018	46	10.25	90.04	4.3	33.74	7.8	25.9	0.34
F11	01 May 2018	47	10.25	89.97	4.2	33.74	7.8	25.9	0.43
F11	01 May 2018	48	10.25	89.60	4.1	33.76	7.8	25.9	0.40
F11	01 May 2018	49	10.22	89.44	4.0	33.77	7.8	26.0	0.37
F11	01 May 2018	50	10.22	89.37	4.0	33.77	7.8	26.0	0.35
F11	01 May 2018	51	10.20	88.78	4.0	33.78	7.8	26.0	0.33
F11	01 May 2018	52	10.17	88.85	3.9	33.78	7.8	26.0	0.29
F11	01 May 2018	53	10.13	89.20	3.9	33.79	7.8	26.0	0.28
F11	01 May 2018	54	10.05	89.41	4.0	33.80	7.8	26.0	0.23
F11	01 May 2018	55	10.04	89.48	3.9	33.80	7.8	26.0	0.20
F11	01 May 2018	56	10.07	86.63	3.8	33.81	7.8	26.0	0.21
F11	01 May 2018	57	10.07	85.60	3.7	33.81	7.8	26.0	0.20
F11	01 May 2018	58	10.08	85.43	3.6	33.82	7.8	26.0	0.19
F11	01 May 2018	59	10.09	82.37	3.5	33.84	7.7	26.0	0.36
F11	01 May 2018	60	10.04	80.10	3.4	33.85	7.7	26.0	0.23
F11	01 May 2018	61	10.01	77.83	3.4	33.85	7.7	26.1	0.29
F11	01 May 2018	62	10.03	78.17	3.4	33.84	7.7	26.0	0.27
F12	01 May 2018	1	14.82	78.99	8.2	33.62	8.1	25.0	1.16
F12	01 May 2018	2	14.82	82.98	8.2	33.63	8.1	25.0	1.22
F12	01 May 2018	3	14.82	82.93	8.3	33.63	8.1	25.0	1.31
F12	01 May 2018	4	14.81	82.89	8.2	33.63	8.1	25.0	1.39
F12	01 May 2018	5	14.64	82.43	8.0	33.63	8.1	25.0	1.49
F12	01 May 2018	6	13.73	82.93	7.4	33.66	8.1	25.2	1.57
F12	01 May 2018	7	12.57	86.19	6.9	33.59	8.0	25.4	1.58
F12	01 May 2018	8	12.45	86.98	6.5	33.54	8.0	25.4	1.41
F12	01 May 2018	9	12.17	87.38	6.3	33.57	8.0	25.4	1.26
F12	01 May 2018	10	11.81	88.20	6.0	33.56	8.0	25.5	1.35
F12	01 May 2018	11	11.73	88.38	5.9	33.56	7.9	25.5	1.22
F12	01 May 2018	12	11.59	88.50	5.7	33.56	7.9	25.5	1.27
F12	01 May 2018	13	11.55	88.59	5.6	33.57	7.9	25.6	1.03
F12	01 May 2018	14	11.42	88.90	5.5	33.57	7.9	25.6	0.86
F12	01 May 2018	15	11.35	89.05	5.5	33.57	7.9	25.6	0.80
F12	01 May 2018	16	11.26	88.93	5.4	33.58	7.9	25.6	0.92
F12	01 May 2018	17	11.20	89.29	5.3	33.59	7.9	25.6	0.94
F12	01 May 2018	18	11.14	89.32	5.2	33.60	7.9	25.7	0.79
F12	01 May 2018	19	11.09	89.34	5.1	33.60	7.9	25.7	0.75
F12	01 May 2018	20	11.06	89.33	5.0	33.61	7.9	25.7	0.76
F12	01 May 2018	21	11.03	89.25	5.0	33.61	7.9	25.7	0.80
F12	01 May 2018	22	11.01	89.38	5.0	33.61	7.9	25.7	0.75
F12	01 May 2018	23	10.97	89.48	4.9	33.62	7.9	25.7	0.78
F12	01 May 2018	24	10.93	89.56	4.8	33.63	7.9	25.7	0.81
F12	01 May 2018	25	10.88	89.57	4.8	33.64	7.9	25.7	1.00
F12	01 May 2018	26	10.72	89.75	4.6	33.66	7.8	25.8	0.73
F12	01 May 2018	27	10.57	89.81	4.6	33.68	7.8	25.8	0.77
F12	01 May 2018	28	10.41	89.80	4.6	33.70	7.8	25.9	0.51

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F12	01 May 2018	29	10.31	89.85	4.6	33.71	7.8	25.9	0.46
F12	01 May 2018	30	10.25	89.87	4.5	33.72	7.8	25.9	0.43
F12	01 May 2018	31	10.24	89.83	4.5	33.72	7.8	25.9	0.43
F12	01 May 2018	32	10.23	89.88	4.5	33.73	7.8	25.9	0.45
F12	01 May 2018	33	10.21	89.87	4.5	33.73	7.8	25.9	0.41
F12	01 May 2018	34	10.18	89.61	4.4	33.74	7.8	25.9	0.40
F12	01 May 2018	35	10.18	89.53	4.4	33.74	7.8	25.9	0.37
F12	01 May 2018	36	10.18	89.97	4.3	33.74	7.8	25.9	0.35
F12	01 May 2018	37	10.19	89.98	4.3	33.75	7.8	25.9	0.33
F12	01 May 2018	38	10.18	89.95	4.2	33.75	7.8	25.9	0.34
F12	01 May 2018	39	10.16	89.86	4.2	33.76	7.8	26.0	0.33
F12	01 May 2018	40	10.14	89.82	4.2	33.77	7.8	26.0	0.32
F12	01 May 2018	41	10.12	89.89	4.2	33.77	7.8	26.0	0.36
F12	01 May 2018	42	10.09	89.90	4.2	33.77	7.8	26.0	0.30
F12	01 May 2018	43	10.07	89.84	4.2	33.77	7.8	26.0	0.29
F12	01 May 2018	44	10.05	89.94	4.2	33.78	7.8	26.0	0.27
F12	01 May 2018	45	10.05	89.76	4.1	33.79	7.8	26.0	0.23
F12	01 May 2018	46	10.06	89.59	4.0	33.80	7.8	26.0	0.24
F12	01 May 2018	47	10.06	89.47	3.9	33.81	7.8	26.0	0.25
F12	01 May 2018	48	10.05	89.49	3.9	33.81	7.8	26.0	0.21
F12	01 May 2018	49	10.03	89.53	3.9	33.82	7.8	26.0	0.20
F12	01 May 2018	50	10.03	89.54	3.9	33.82	7.8	26.0	0.19
F12	01 May 2018	51	10.03	89.55	3.9	33.82	7.8	26.0	0.19
F12	01 May 2018	52	10.02	89.58	3.9	33.82	7.8	26.0	0.24
F12	01 May 2018	53	10.01	89.59	3.9	33.82	7.8	26.0	0.19
F12	01 May 2018	54	9.96	89.76	3.9	33.82	7.8	26.0	0.16
F12	01 May 2018	55	10.01	89.56	3.8	33.83	7.8	26.0	0.27
F12	01 May 2018	56	10.03	89.05	3.7	33.85	7.8	26.0	0.20
F12	01 May 2018	57	10.00	89.12	3.6	33.85	7.8	26.1	0.16
F12	01 May 2018	58	9.96	89.16	3.7	33.85	7.8	26.1	0.20
F12	01 May 2018	59	9.95	87.54	3.6	33.86	7.8	26.1	0.18
F12	01 May 2018	60	9.95	84.23	3.6	33.85	7.8	26.1	0.17
F12	01 May 2018	61	9.94	83.71	3.5	33.86	7.8	26.1	0.17
F12	01 May 2018	62	9.94	82.71	3.5	33.86	7.8	26.1	0.17
F12	01 May 2018	63	9.94	82.58	3.5	33.86	7.7	26.1	0.18
F13	01 May 2018	1	14.88	78.88	8.2	33.57	8.2	24.9	1.14
F13	01 May 2018	2	14.88	79.67	8.2	33.61	8.2	24.9	1.23
F13	01 May 2018	3	14.88	83.21	8.2	33.62	8.2	24.9	1.30
F13	01 May 2018	4	14.88	83.39	8.2	33.62	8.2	24.9	1.28
F13	01 May 2018	5	14.88	83.15	8.2	33.62	8.2	24.9	1.33
F13	01 May 2018	6	14.54	82.95	7.7	33.69	8.1	25.1	1.33
F13	01 May 2018	7	13.20	84.78	7.3	33.65	8.1	25.3	1.44
F13	01 May 2018	8	13.04	84.71	6.8	33.63	8.0	25.3	1.57
F13	01 May 2018	9	12.13	84.77	6.4	33.69	8.0	25.5	1.83
F13	01 May 2018	10	11.85	85.80	6.0	33.65	7.9	25.6	1.77
F13	01 May 2018	11	11.65	87.43	5.8	33.61	7.9	25.6	1.33
F13	01 May 2018	12	11.49	88.26	5.6	33.59	7.9	25.6	1.28
F13	01 May 2018	13	11.40	88.70	5.5	33.58	7.9	25.6	1.43
F13	01 May 2018	14	11.31	88.82	5.4	33.59	7.9	25.6	1.14
F13	01 May 2018	15	11.21	89.11	5.3	33.59	7.9	25.6	1.31
F13	01 May 2018	16	11.16	89.30	5.2	33.59	7.9	25.6	0.97
F13	01 May 2018	17	11.08	89.25	5.2	33.60	7.9	25.7	0.83
F13	01 May 2018	18	11.04	89.39	5.1	33.60	7.9	25.7	0.81
F13	01 May 2018	19	11.03	89.38	5.0	33.61	7.9	25.7	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F13	01 May 2018	20	11.01	89.37	5.0	33.61	7.9	25.7	0.74
F13	01 May 2018	21	10.96	89.47	4.9	33.62	7.9	25.7	0.71
F13	01 May 2018	22	10.94	89.53	4.8	33.62	7.9	25.7	0.79
F13	01 May 2018	23	10.91	89.54	4.8	33.63	7.9	25.7	0.76
F13	01 May 2018	24	10.88	89.62	4.8	33.63	7.8	25.7	0.74
F13	01 May 2018	25	10.81	89.70	4.7	33.65	7.8	25.8	0.71
F13	01 May 2018	26	10.78	89.79	4.7	33.65	7.8	25.8	0.61
F13	01 May 2018	27	10.64	89.42	4.6	33.67	7.8	25.8	0.61
F13	01 May 2018	28	10.49	89.86	4.6	33.69	7.8	25.8	0.53
F13	01 May 2018	29	10.41	89.89	4.6	33.70	7.8	25.9	0.52
F13	01 May 2018	30	10.36	89.56	4.6	33.71	7.8	25.9	0.50
F13	01 May 2018	31	10.32	89.89	4.6	33.71	7.8	25.9	0.48
F13	01 May 2018	32	10.32	89.76	4.6	33.71	7.8	25.9	0.45
F13	01 May 2018	33	10.28	89.89	4.5	33.72	7.8	25.9	0.43
F13	01 May 2018	34	10.23	89.82	4.5	33.73	7.8	25.9	0.43
F13	01 May 2018	35	10.18	89.88	4.5	33.74	7.8	25.9	0.41
F13	01 May 2018	36	10.15	89.91	4.4	33.74	7.8	25.9	0.38
F13	01 May 2018	37	10.13	90.11	4.4	33.75	7.8	26.0	0.34
F13	01 May 2018	38	10.13	90.15	4.4	33.75	7.8	26.0	0.33
F13	01 May 2018	39	10.11	90.06	4.4	33.75	7.8	26.0	0.35
F13	01 May 2018	40	10.11	89.95	4.3	33.76	7.8	26.0	0.37
F13	01 May 2018	41	10.09	89.84	4.2	33.78	7.8	26.0	0.29
F13	01 May 2018	42	10.05	89.85	4.2	33.79	7.8	26.0	0.28
F13	01 May 2018	43	10.04	89.86	4.2	33.79	7.8	26.0	0.24
F13	01 May 2018	44	10.04	89.84	4.1	33.79	7.8	26.0	0.24
F13	01 May 2018	45	10.04	89.79	4.1	33.80	7.8	26.0	0.24
F13	01 May 2018	46	10.03	89.75	4.0	33.80	7.8	26.0	0.23
F13	01 May 2018	47	9.96	89.89	4.1	33.80	7.8	26.0	0.22
F13	01 May 2018	48	9.95	89.91	4.1	33.80	7.8	26.0	0.20
F13	01 May 2018	49	9.96	89.93	4.1	33.81	7.8	26.0	0.21
F13	01 May 2018	50	9.99	89.73	4.0	33.82	7.8	26.0	0.17
F13	01 May 2018	51	10.01	89.51	3.8	33.83	7.8	26.0	0.19
F13	01 May 2018	52	9.99	89.14	3.8	33.84	7.8	26.0	0.19
F13	01 May 2018	53	9.98	89.20	3.8	33.84	7.8	26.0	0.18
F13	01 May 2018	54	9.97	89.06	3.8	33.84	7.8	26.1	0.22
F13	01 May 2018	55	9.97	88.94	3.8	33.84	7.8	26.1	0.17
F13	01 May 2018	56	9.96	88.95	3.7	33.84	7.8	26.1	0.19
F13	01 May 2018	57	9.96	86.83	3.7	33.85	7.8	26.1	0.17
F13	01 May 2018	58	9.95	84.47	3.6	33.85	7.8	26.1	0.19
F13	01 May 2018	59	9.95	83.48	3.6	33.85	7.8	26.1	0.17
F13	01 May 2018	60	9.95	83.17	3.5	33.85	7.8	26.1	0.20
F13	01 May 2018	61	9.95	82.04	3.5	33.85	7.7	26.1	0.18
F13	01 May 2018	62	9.95	81.49	3.5	33.85	7.7	26.1	0.18
F14	01 May 2018	1	14.99	82.22	8.3	33.63	8.2	24.9	1.19
F14	01 May 2018	2	14.99	81.71	8.3	33.63	8.2	24.9	1.19
F14	01 May 2018	3	14.99	82.60	8.3	33.63	8.2	24.9	1.27
F14	01 May 2018	4	14.99	82.77	8.3	33.63	8.2	24.9	1.30
F14	01 May 2018	5	14.92	82.71	8.1	33.64	8.2	24.9	1.33
F14	01 May 2018	6	14.49	82.57	7.7	33.69	8.1	25.1	1.53
F14	01 May 2018	7	12.76	84.88	7.0	33.68	8.1	25.4	1.79
F14	01 May 2018	8	12.31	86.04	6.4	33.62	8.0	25.5	1.84
F14	01 May 2018	9	12.08	86.63	6.2	33.60	8.0	25.5	1.58
F14	01 May 2018	10	11.97	86.92	5.9	33.61	8.0	25.5	1.38
F14	01 May 2018	11	11.57	87.61	5.7	33.61	7.9	25.6	1.27

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F14	01 May 2018	12	11.39	88.51	5.5	33.59	7.9	25.6	1.49
F14	01 May 2018	13	11.26	88.85	5.4	33.59	7.9	25.6	1.04
F14	01 May 2018	14	11.23	88.94	5.3	33.58	7.9	25.6	1.21
F14	01 May 2018	15	11.14	89.15	5.2	33.59	7.9	25.7	1.20
F14	01 May 2018	16	11.10	89.21	5.1	33.59	7.9	25.7	0.88
F14	01 May 2018	17	11.08	89.24	5.0	33.60	7.9	25.7	0.84
F14	01 May 2018	18	11.02	89.33	4.9	33.61	7.9	25.7	0.92
F14	01 May 2018	19	10.99	89.40	4.9	33.62	7.9	25.7	0.83
F14	01 May 2018	20	10.93	89.51	4.9	33.63	7.9	25.7	0.86
F14	01 May 2018	21	10.87	89.57	4.8	33.64	7.8	25.7	0.75
F14	01 May 2018	22	10.86	89.64	4.7	33.64	7.8	25.7	0.83
F14	01 May 2018	23	10.82	89.71	4.7	33.65	7.8	25.8	0.73
F14	01 May 2018	24	10.75	89.74	4.7	33.66	7.8	25.8	0.69
F14	01 May 2018	25	10.63	89.82	4.6	33.67	7.8	25.8	0.79
F14	01 May 2018	26	10.63	89.85	4.6	33.67	7.8	25.8	0.60
F14	01 May 2018	27	10.50	89.88	4.6	33.69	7.8	25.8	0.50
F14	01 May 2018	28	10.40	89.88	4.5	33.71	7.8	25.9	0.54
F14	01 May 2018	29	10.37	89.90	4.5	33.71	7.8	25.9	0.47
F14	01 May 2018	30	10.34	89.89	4.5	33.72	7.8	25.9	0.45
F14	01 May 2018	31	10.32	90.01	4.5	33.72	7.8	25.9	0.48
F14	01 May 2018	32	10.30	90.06	4.4	33.72	7.8	25.9	0.47
F14	01 May 2018	33	10.29	90.06	4.4	33.72	7.8	25.9	0.39
F14	01 May 2018	34	10.26	90.10	4.4	33.73	7.8	25.9	0.36
F14	01 May 2018	35	10.21	90.07	4.4	33.74	7.8	25.9	0.35
F14	01 May 2018	36	10.19	90.09	4.4	33.74	7.8	25.9	0.37
F14	01 May 2018	37	10.19	90.08	4.4	33.74	7.8	25.9	0.34
F14	01 May 2018	38	10.17	89.97	4.3	33.75	7.8	25.9	0.35
F14	01 May 2018	39	10.17	89.98	4.2	33.76	7.8	26.0	0.39
F14	01 May 2018	40	10.14	89.83	4.2	33.76	7.8	26.0	0.34
F14	01 May 2018	41	10.14	89.77	4.2	33.77	7.8	26.0	0.32
F14	01 May 2018	42	10.15	89.62	4.1	33.77	7.8	26.0	0.32
F14	01 May 2018	43	10.14	89.01	4.0	33.78	7.8	26.0	0.32
F14	01 May 2018	44	10.13	88.67	4.0	33.80	7.8	26.0	0.32
F14	01 May 2018	45	10.12	87.88	3.8	33.81	7.8	26.0	0.30
F14	01 May 2018	46	10.11	87.80	3.8	33.81	7.8	26.0	0.27
F14	01 May 2018	47	10.10	88.04	3.8	33.81	7.8	26.0	0.26
F14	01 May 2018	48	10.08	88.50	3.8	33.81	7.8	26.0	0.24
F14	01 May 2018	49	10.08	88.43	3.8	33.81	7.8	26.0	0.23
F14	01 May 2018	50	10.05	88.90	3.8	33.81	7.8	26.0	0.21
F14	01 May 2018	51	10.04	88.21	3.8	33.82	7.8	26.0	0.20
F14	01 May 2018	52	10.04	86.84	3.7	33.82	7.8	26.0	0.17
F14	01 May 2018	53	10.01	85.59	3.7	33.83	7.8	26.0	0.20
F14	01 May 2018	54	10.01	86.05	3.7	33.83	7.8	26.0	0.16
F14	01 May 2018	55	10.00	85.36	3.6	33.84	7.8	26.0	0.16
F14	01 May 2018	56	9.99	84.39	3.6	33.84	7.8	26.0	0.19
F14	01 May 2018	57	9.99	83.19	3.6	33.85	7.8	26.1	0.17
F14	01 May 2018	58	9.98	81.16	3.5	33.85	7.7	26.1	0.21
F14	01 May 2018	59	9.98	79.33	3.5	33.86	7.7	26.1	0.25
F14	01 May 2018	60	9.97	76.55	3.5	33.86	7.7	26.1	0.23
F14	01 May 2018	61	9.98	75.04	3.4	33.86	7.7	26.1	0.22
F14	01 May 2018	62	9.98	75.00	3.4	33.86	7.7	26.1	0.20
F15	03 May 2018	1	15.68	82.25	8.5	33.62	8.2	24.8	0.45
F15	03 May 2018	2	15.66	82.28	8.5	33.62	8.2	24.8	0.44
F15	03 May 2018	3	15.55	82.28	8.5	33.63	8.2	24.8	0.45

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F15	03 May 2018	4	15.49	82.19	8.6	33.63	8.2	24.8	0.51
F15	03 May 2018	5	15.40	81.78	8.6	33.62	8.2	24.8	0.59
F15	03 May 2018	6	15.38	81.61	8.6	33.62	8.2	24.8	0.72
F15	03 May 2018	7	15.34	81.42	8.6	33.62	8.2	24.8	0.87
F15	03 May 2018	8	15.25	81.45	8.4	33.62	8.2	24.9	1.03
F15	03 May 2018	9	14.71	81.08	8.1	33.67	8.2	25.0	1.34
F15	03 May 2018	10	14.15	81.50	7.5	33.64	8.1	25.1	1.71
F15	03 May 2018	11	12.43	83.57	6.7	33.71	8.1	25.5	1.60
F15	03 May 2018	12	12.04	84.28	6.2	33.64	8.0	25.5	1.46
F15	03 May 2018	13	11.91	84.87	5.9	33.62	8.0	25.5	1.36
F15	03 May 2018	14	11.74	85.15	5.7	33.62	8.0	25.6	1.33
F15	03 May 2018	15	11.55	85.41	5.6	33.62	8.0	25.6	1.31
F15	03 May 2018	16	11.47	85.68	5.5	33.62	7.9	25.6	1.35
F15	03 May 2018	17	11.44	85.72	5.4	33.61	7.9	25.6	1.51
F15	03 May 2018	18	11.32	85.90	5.3	33.62	7.9	25.6	1.64
F15	03 May 2018	19	11.22	86.83	5.2	33.62	7.9	25.7	1.63
F15	03 May 2018	20	11.13	87.64	5.1	33.62	7.9	25.7	1.57
F15	03 May 2018	21	11.01	88.64	5.1	33.61	7.9	25.7	1.31
F15	03 May 2018	22	10.99	89.01	5.0	33.61	7.9	25.7	0.98
F15	03 May 2018	23	10.97	89.20	5.1	33.61	7.9	25.7	0.89
F15	03 May 2018	24	10.96	89.34	5.0	33.61	7.9	25.7	0.89
F15	03 May 2018	25	10.92	89.42	5.0	33.62	7.9	25.7	0.73
F15	03 May 2018	26	10.90	89.55	5.0	33.62	7.9	25.7	0.71
F15	03 May 2018	27	10.86	89.62	4.9	33.63	7.9	25.7	0.65
F15	03 May 2018	28	10.81	89.64	4.9	33.63	7.9	25.7	0.63
F15	03 May 2018	29	10.78	89.66	4.8	33.64	7.9	25.8	0.62
F15	03 May 2018	30	10.75	89.68	4.7	33.65	7.9	25.8	0.64
F15	03 May 2018	31	10.68	89.66	4.6	33.66	7.9	25.8	0.61
F15	03 May 2018	32	10.60	89.77	4.5	33.67	7.9	25.8	0.59
F15	03 May 2018	33	10.58	89.82	4.5	33.67	7.9	25.8	0.52
F15	03 May 2018	34	10.57	89.88	4.5	33.68	7.9	25.8	0.51
F15	03 May 2018	35	10.53	89.88	4.4	33.68	7.9	25.8	0.52
F15	03 May 2018	36	10.45	89.83	4.4	33.69	7.9	25.9	0.48
F15	03 May 2018	37	10.43	89.84	4.5	33.69	7.9	25.9	0.50
F15	03 May 2018	38	10.43	89.89	4.5	33.69	7.9	25.9	0.51
F15	03 May 2018	39	10.41	89.86	4.5	33.69	7.9	25.9	0.47
F15	03 May 2018	40	10.37	89.80	4.5	33.70	7.9	25.9	0.54
F15	03 May 2018	41	10.33	89.84	4.5	33.71	7.9	25.9	0.48
F15	03 May 2018	42	10.29	89.76	4.5	33.71	7.9	25.9	0.46
F15	03 May 2018	43	10.27	89.88	4.5	33.72	7.9	25.9	0.47
F15	03 May 2018	44	10.21	89.69	4.4	33.73	7.8	25.9	0.37
F15	03 May 2018	45	10.20	89.65	4.4	33.73	7.8	25.9	0.36
F15	03 May 2018	46	10.19	89.69	4.3	33.73	7.8	25.9	0.33
F15	03 May 2018	47	10.18	89.70	4.3	33.73	7.8	25.9	0.32
F15	03 May 2018	48	10.16	89.66	4.3	33.74	7.8	25.9	0.31
F15	03 May 2018	49	10.14	89.50	4.2	33.75	7.8	25.9	0.31
F15	03 May 2018	50	10.11	89.51	4.2	33.76	7.8	26.0	0.24
F15	03 May 2018	51	10.10	89.38	4.1	33.76	7.8	26.0	0.20
F15	03 May 2018	52	10.09	89.31	4.0	33.77	7.8	26.0	0.19
F15	03 May 2018	53	10.09	89.37	4.0	33.77	7.8	26.0	0.17
F15	03 May 2018	54	10.08	89.39	4.0	33.77	7.8	26.0	0.18
F15	03 May 2018	55	10.08	89.23	4.0	33.77	7.8	26.0	0.23
F15	03 May 2018	56	10.06	89.23	4.0	33.78	7.8	26.0	0.16
F15	03 May 2018	57	10.07	89.69	4.0	33.79	7.8	26.0	0.15
F15	03 May 2018	58	10.06	89.87	4.0	33.79	7.8	26.0	0.25

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F15	03 May 2018	59	10.06	89.78	4.0	33.80	7.8	26.0	0.27
F15	03 May 2018	60	10.07	89.26	3.8	33.82	7.8	26.0	0.23
F15	03 May 2018	61	10.09	88.25	3.6	33.84	7.8	26.0	0.16
F15	03 May 2018	62	10.10	88.04	3.5	33.84	7.8	26.0	0.33
F15	03 May 2018	63	10.09	87.95	3.5	33.85	7.8	26.0	0.17
F15	03 May 2018	64	10.08	87.90	3.5	33.85	7.8	26.0	0.30
F15	03 May 2018	65	10.07	87.86	3.5	33.85	7.8	26.0	0.40
F15	03 May 2018	66	10.06	88.02	3.5	33.86	7.8	26.0	0.25
F15	03 May 2018	67	10.05	88.28	3.4	33.86	7.8	26.1	0.14
F15	03 May 2018	68	10.03	88.45	3.4	33.86	7.8	26.1	0.14
F15	03 May 2018	69	10.02	88.34	3.4	33.87	7.8	26.1	0.11
F15	03 May 2018	70	10.00	88.22	3.4	33.87	7.8	26.1	0.11
F15	03 May 2018	71	9.99	88.13	3.4	33.88	7.8	26.1	0.10
F15	03 May 2018	72	9.99	88.08	3.4	33.88	7.8	26.1	0.10
F15	03 May 2018	73	9.98	87.99	3.4	33.88	7.8	26.1	0.17
F15	03 May 2018	74	9.98	88.05	3.3	33.88	7.8	26.1	0.06
F15	03 May 2018	75	9.98	87.76	3.3	33.88	7.8	26.1	0.06
F15	03 May 2018	76	9.98	87.66	3.3	33.89	7.8	26.1	0.05
F15	03 May 2018	77	9.97	87.41	3.3	33.89	7.8	26.1	0.05
F15	03 May 2018	78	9.95	86.86	3.2	33.90	7.8	26.1	0.08
F15	03 May 2018	79	9.94	86.76	3.2	33.90	7.8	26.1	0.11
F15	03 May 2018	80	9.93	86.48	3.2	33.91	7.8	26.1	0.21
F15	03 May 2018	81	9.92	86.03	3.1	33.91	7.8	26.1	0.18
F15	03 May 2018	82	9.93	85.58	3.1	33.91	7.8	26.1	0.10
F15	03 May 2018	83	9.94	85.13	3.1	33.90	7.8	26.1	0.08
F16	03 May 2018	1	15.67	81.50	8.5	33.62	8.2	24.8	0.50
F16	03 May 2018	2	15.66	81.72	8.5	33.63	8.2	24.8	0.45
F16	03 May 2018	3	15.60	81.77	8.6	33.63	8.2	24.8	0.45
F16	03 May 2018	4	15.53	81.80	8.5	33.63	8.2	24.8	0.52
F16	03 May 2018	5	15.45	81.83	8.6	33.63	8.2	24.8	0.57
F16	03 May 2018	6	15.39	81.85	8.6	33.62	8.2	24.8	0.65
F16	03 May 2018	7	15.36	81.75	8.5	33.62	8.2	24.8	0.72
F16	03 May 2018	8	15.33	81.78	8.6	33.62	8.2	24.8	0.88
F16	03 May 2018	9	15.31	81.35	8.4	33.62	8.2	24.8	1.06
F16	03 May 2018	10	14.92	80.68	8.3	33.66	8.2	25.0	1.34
F16	03 May 2018	11	14.54	79.98	8.1	33.64	8.2	25.0	1.85
F16	03 May 2018	12	14.04	80.62	7.7	33.66	8.1	25.1	2.04
F16	03 May 2018	13	13.33	81.40	7.3	33.65	8.1	25.3	2.05
F16	03 May 2018	14	13.17	82.23	7.1	33.63	8.1	25.3	2.08
F16	03 May 2018	15	12.82	82.68	6.8	33.64	8.1	25.4	2.05
F16	03 May 2018	16	12.59	83.14	6.5	33.65	8.0	25.4	1.95
F16	03 May 2018	17	12.00	84.32	6.1	33.65	8.0	25.5	1.97
F16	03 May 2018	18	11.51	85.43	5.7	33.64	8.0	25.6	1.88
F16	03 May 2018	19	11.31	86.12	5.4	33.62	7.9	25.6	1.59
F16	03 May 2018	20	11.25	86.39	5.2	33.63	7.9	25.7	1.69
F16	03 May 2018	21	11.05	87.48	5.1	33.63	7.9	25.7	1.34
F16	03 May 2018	22	10.92	88.46	5.0	33.63	7.9	25.7	1.01
F16	03 May 2018	23	10.87	89.17	5.0	33.62	7.9	25.7	1.19
F16	03 May 2018	24	10.85	89.22	5.0	33.63	7.9	25.7	0.64
F16	03 May 2018	25	10.83	89.31	4.9	33.63	7.9	25.7	0.58
F16	03 May 2018	26	10.82	89.32	4.9	33.63	7.9	25.7	0.56
F16	03 May 2018	27	10.82	89.36	4.9	33.63	7.9	25.7	0.62
F16	03 May 2018	28	10.81	89.42	4.9	33.64	7.9	25.7	0.66
F16	03 May 2018	29	10.80	89.45	4.8	33.64	7.9	25.8	0.57

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F16	03 May 2018	30	10.76	89.40	4.7	33.65	7.9	25.8	0.58
F16	03 May 2018	31	10.65	89.70	4.7	33.66	7.9	25.8	0.51
F16	03 May 2018	32	10.65	89.84	4.6	33.66	7.9	25.8	0.47
F16	03 May 2018	33	10.57	89.89	4.5	33.68	7.9	25.8	0.53
F16	03 May 2018	34	10.48	89.96	4.4	33.70	7.9	25.9	0.45
F16	03 May 2018	35	10.42	90.02	4.3	33.70	7.8	25.9	0.42
F16	03 May 2018	36	10.41	90.08	4.3	33.71	7.8	25.9	0.38
F16	03 May 2018	37	10.40	90.08	4.3	33.71	7.8	25.9	0.39
F16	03 May 2018	38	10.39	90.07	4.3	33.71	7.8	25.9	0.37
F16	03 May 2018	39	10.37	90.06	4.3	33.71	7.8	25.9	0.34
F16	03 May 2018	40	10.35	90.05	4.3	33.72	7.8	25.9	0.33
F16	03 May 2018	41	10.32	90.09	4.3	33.72	7.8	25.9	0.34
F16	03 May 2018	42	10.26	90.05	4.3	33.73	7.8	25.9	0.33
F16	03 May 2018	43	10.24	90.10	4.3	33.73	7.8	25.9	0.30
F16	03 May 2018	44	10.19	90.05	4.3	33.74	7.8	25.9	0.32
F16	03 May 2018	45	10.17	89.94	4.4	33.74	7.8	25.9	0.29
F16	03 May 2018	46	10.17	89.98	4.3	33.75	7.8	25.9	0.31
F16	03 May 2018	47	10.17	89.96	4.3	33.75	7.8	25.9	0.30
F16	03 May 2018	48	10.16	89.92	4.3	33.75	7.8	25.9	0.29
F16	03 May 2018	49	10.16	89.91	4.3	33.75	7.8	26.0	0.31
F16	03 May 2018	50	10.16	89.80	4.2	33.76	7.8	26.0	0.31
F16	03 May 2018	51	10.17	89.70	4.1	33.77	7.8	26.0	0.30
F16	03 May 2018	52	10.16	89.63	4.0	33.78	7.8	26.0	0.28
F16	03 May 2018	53	10.06	89.69	4.1	33.78	7.8	26.0	0.24
F16	03 May 2018	54	10.01	89.55	4.1	33.77	7.8	26.0	0.21
F16	03 May 2018	55	10.00	89.30	4.1	33.77	7.8	26.0	0.16
F16	03 May 2018	56	9.98	89.05	4.0	33.78	7.8	26.0	0.14
F16	03 May 2018	57	9.98	88.98	4.0	33.78	7.8	26.0	0.16
F16	03 May 2018	58	9.96	88.83	3.9	33.78	7.8	26.0	0.13
F16	03 May 2018	59	9.92	88.45	3.8	33.78	7.8	26.0	0.09
F16	03 May 2018	60	9.90	88.11	3.8	33.79	7.8	26.0	0.09
F16	03 May 2018	61	9.89	88.43	3.8	33.79	7.8	26.0	0.05
F16	03 May 2018	62	9.88	88.44	3.7	33.79	7.8	26.0	0.04
F16	03 May 2018	63	9.86	88.27	3.7	33.80	7.8	26.0	0.04
F16	03 May 2018	64	9.87	88.38	3.7	33.81	7.8	26.0	0.03
F16	03 May 2018	65	9.87	88.44	3.7	33.81	7.8	26.0	0.03
F16	03 May 2018	66	9.87	88.45	3.7	33.81	7.8	26.0	0.03
F16	03 May 2018	67	9.87	88.47	3.7	33.81	7.8	26.0	0.03
F16	03 May 2018	68	9.88	88.54	3.7	33.81	7.8	26.0	0.03
F16	03 May 2018	69	9.89	88.66	3.7	33.82	7.8	26.0	0.04
F16	03 May 2018	70	9.92	88.69	3.7	33.83	7.8	26.1	0.05
F16	03 May 2018	71	9.95	88.73	3.6	33.85	7.8	26.1	0.05
F16	03 May 2018	72	9.96	88.38	3.6	33.86	7.8	26.1	0.06
F16	03 May 2018	73	9.96	87.56	3.5	33.87	7.8	26.1	0.06
F16	03 May 2018	74	9.96	86.68	3.5	33.87	7.8	26.1	0.09
F16	03 May 2018	75	9.96	86.56	3.4	33.87	7.8	26.1	0.08
F16	03 May 2018	76	9.95	86.38	3.4	33.87	7.8	26.1	0.11
F16	03 May 2018	77	9.95	86.40	3.4	33.88	7.8	26.1	0.13
F16	03 May 2018	78	9.94	86.07	3.3	33.88	7.8	26.1	0.13
F16	03 May 2018	79	9.93	85.08	3.2	33.90	7.8	26.1	0.08
F16	03 May 2018	80	9.92	84.75	3.2	33.90	7.8	26.1	0.07
F16	03 May 2018	81	9.92	84.44	3.2	33.90	7.8	26.1	0.13
F16	03 May 2018	82	9.92	84.30	3.2	33.90	7.8	26.1	0.09
F16	03 May 2018	83	9.92	84.12	3.2	33.90	7.8	26.1	0.10

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F17	03 May 2018	1	15.69	82.50	7.5	33.55	8.2	24.7	0.45
F17	03 May 2018	2	15.73	82.93	8.5	33.62	8.2	24.8	0.43
F17	03 May 2018	3	15.64	83.10	8.5	33.63	8.2	24.8	0.47
F17	03 May 2018	4	15.58	82.88	8.5	33.63	8.2	24.8	0.45
F17	03 May 2018	5	15.47	82.40	8.5	33.63	8.2	24.8	0.53
F17	03 May 2018	6	15.41	81.97	8.6	33.61	8.2	24.8	0.66
F17	03 May 2018	7	15.38	81.66	8.5	33.62	8.2	24.8	0.78
F17	03 May 2018	8	15.29	81.71	8.4	33.63	8.2	24.9	0.94
F17	03 May 2018	9	14.98	81.42	8.3	33.64	8.2	24.9	1.28
F17	03 May 2018	10	14.54	80.08	8.1	33.66	8.2	25.0	1.66
F17	03 May 2018	11	14.14	79.68	7.9	33.64	8.2	25.1	2.10
F17	03 May 2018	12	13.87	79.83	7.7	33.64	8.1	25.2	2.34
F17	03 May 2018	13	13.74	80.39	7.4	33.63	8.1	25.2	2.49
F17	03 May 2018	14	13.43	80.93	7.2	33.64	8.1	25.3	2.62
F17	03 May 2018	15	12.99	81.62	6.9	33.66	8.1	25.4	2.61
F17	03 May 2018	16	12.71	82.54	6.5	33.63	8.0	25.4	2.53
F17	03 May 2018	17	12.22	83.56	6.2	33.66	8.0	25.5	2.34
F17	03 May 2018	18	11.57	86.03	5.8	33.65	8.0	25.6	2.03
F17	03 May 2018	19	11.36	86.79	5.4	33.63	7.9	25.6	1.52
F17	03 May 2018	20	11.07	87.75	5.2	33.63	7.9	25.7	1.30
F17	03 May 2018	21	10.91	88.90	5.1	33.62	7.9	25.7	0.97
F17	03 May 2018	22	10.88	89.12	5.0	33.62	7.9	25.7	0.81
F17	03 May 2018	23	10.84	89.02	4.9	33.62	7.9	25.7	0.78
F17	03 May 2018	24	10.78	89.33	4.9	33.63	7.9	25.8	0.67
F17	03 May 2018	25	10.76	89.47	4.8	33.63	7.9	25.8	0.58
F17	03 May 2018	26	10.75	89.55	4.8	33.64	7.9	25.8	0.58
F17	03 May 2018	27	10.73	89.63	4.8	33.64	7.9	25.8	0.68
F17	03 May 2018	28	10.71	89.64	4.7	33.65	7.9	25.8	0.54
F17	03 May 2018	29	10.69	89.65	4.7	33.65	7.9	25.8	0.54
F17	03 May 2018	30	10.60	89.76	4.6	33.67	7.9	25.8	0.47
F17	03 May 2018	31	10.47	89.86	4.5	33.69	7.9	25.8	0.42
F17	03 May 2018	32	10.43	90.05	4.4	33.70	7.8	25.9	0.33
F17	03 May 2018	33	10.39	90.04	4.3	33.71	7.8	25.9	0.29
F17	03 May 2018	34	10.34	90.09	4.2	33.72	7.8	25.9	0.27
F17	03 May 2018	35	10.31	90.14	4.2	33.72	7.8	25.9	0.26
F17	03 May 2018	36	10.28	90.14	4.2	33.73	7.8	25.9	0.29
F17	03 May 2018	37	10.26	89.95	4.2	33.73	7.8	25.9	0.34
F17	03 May 2018	38	10.24	90.14	4.2	33.73	7.8	25.9	0.21
F17	03 May 2018	39	10.22	90.18	4.2	33.74	7.8	25.9	0.20
F17	03 May 2018	40	10.21	90.12	4.2	33.74	7.8	25.9	0.21
F17	03 May 2018	41	10.20	90.10	4.2	33.74	7.8	25.9	0.20
F17	03 May 2018	42	10.20	90.06	4.2	33.74	7.8	25.9	0.22
F17	03 May 2018	43	10.19	90.03	4.2	33.74	7.8	25.9	0.24
F17	03 May 2018	44	10.17	90.09	4.2	33.74	7.8	25.9	0.31
F17	03 May 2018	45	10.15	90.04	4.2	33.75	7.8	25.9	0.27
F17	03 May 2018	46	10.07	89.91	4.2	33.76	7.8	26.0	0.20
F17	03 May 2018	47	10.02	89.73	4.2	33.77	7.8	26.0	0.17
F17	03 May 2018	48	10.02	89.69	4.2	33.76	7.8	26.0	0.14
F17	03 May 2018	49	10.01	89.69	4.2	33.77	7.8	26.0	0.16
F17	03 May 2018	50	10.00	89.62	4.2	33.77	7.8	26.0	0.14
F17	03 May 2018	51	9.99	89.74	4.2	33.77	7.8	26.0	0.14
F17	03 May 2018	52	10.03	89.72	4.1	33.79	7.8	26.0	0.15
F17	03 May 2018	53	10.05	89.71	4.0	33.80	7.8	26.0	0.17
F17	03 May 2018	54	10.05	89.72	4.0	33.81	7.8	26.0	0.19
F17	03 May 2018	55	10.05	89.71	3.9	33.81	7.8	26.0	0.18

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F17	03 May 2018	56	10.06	89.59	3.9	33.82	7.8	26.0	0.19
F17	03 May 2018	57	10.04	89.56	3.9	33.82	7.8	26.0	0.16
F17	03 May 2018	58	10.02	89.58	3.8	33.83	7.8	26.0	0.17
F17	03 May 2018	59	10.01	89.59	3.8	33.83	7.8	26.0	0.12
F17	03 May 2018	60	9.99	89.58	3.8	33.83	7.8	26.0	0.10
F17	03 May 2018	61	9.99	89.59	3.8	33.84	7.8	26.0	0.07
F17	03 May 2018	62	9.99	89.61	3.8	33.84	7.8	26.0	0.08
F17	03 May 2018	63	9.98	89.56	3.8	33.84	7.8	26.1	0.08
F17	03 May 2018	64	9.96	89.45	3.8	33.85	7.8	26.1	0.07
F17	03 May 2018	65	9.96	89.31	3.7	33.85	7.8	26.1	0.06
F17	03 May 2018	66	9.96	89.26	3.7	33.85	7.8	26.1	0.05
F17	03 May 2018	67	9.95	89.22	3.7	33.85	7.8	26.1	0.09
F17	03 May 2018	68	9.94	88.58	3.6	33.86	7.8	26.1	0.06
F17	03 May 2018	69	9.94	87.95	3.5	33.87	7.8	26.1	0.06
F17	03 May 2018	70	9.93	87.43	3.5	33.88	7.8	26.1	0.05
F17	03 May 2018	71	9.92	86.75	3.4	33.89	7.8	26.1	0.04
F17	03 May 2018	72	9.91	85.72	3.4	33.89	7.8	26.1	0.06
F17	03 May 2018	73	9.90	85.39	3.3	33.90	7.8	26.1	0.03
F17	03 May 2018	74	9.87	85.01	3.3	33.91	7.8	26.1	0.06
F17	03 May 2018	75	9.86	84.89	3.2	33.92	7.8	26.1	0.03
F17	03 May 2018	76	9.84	85.30	3.2	33.92	7.8	26.1	0.03
F17	03 May 2018	77	9.83	85.30	3.2	33.93	7.8	26.1	0.07
F17	03 May 2018	78	9.82	85.36	3.2	33.93	7.8	26.1	0.07
F17	03 May 2018	79	9.82	85.06	3.2	33.94	7.8	26.1	0.07
F17	03 May 2018	80	9.82	84.78	3.2	33.93	7.8	26.1	0.22
F17	03 May 2018	81	9.82	84.44	3.2	33.93	7.8	26.1	0.08
F17	03 May 2018	82	9.82	84.21	3.2	33.94	7.8	26.2	0.09
F17	03 May 2018	83	9.82	84.24	3.2	33.94	7.8	26.1	0.08
F18	03 May 2018	1	15.57	81.93	8.2	33.62	8.2	24.8	0.58
F18	03 May 2018	2	15.57	82.20	8.6	33.63	8.2	24.8	0.55
F18	03 May 2018	3	15.55	82.20	8.6	33.63	8.2	24.8	0.57
F18	03 May 2018	4	15.41	81.99	8.6	33.63	8.2	24.8	0.66
F18	03 May 2018	5	15.37	81.66	8.7	33.62	8.2	24.8	0.74
F18	03 May 2018	6	15.36	81.52	8.7	33.62	8.2	24.8	0.85
F18	03 May 2018	7	15.36	81.66	8.6	33.62	8.2	24.8	0.95
F18	03 May 2018	8	15.32	81.65	8.6	33.63	8.2	24.8	1.05
F18	03 May 2018	9	15.11	80.62	8.5	33.63	8.2	24.9	1.46
F18	03 May 2018	10	14.86	79.78	8.4	33.64	8.2	25.0	1.95
F18	03 May 2018	11	14.46	79.37	8.2	33.65	8.2	25.0	2.42
F18	03 May 2018	12	14.14	80.06	7.9	33.64	8.2	25.1	2.37
F18	03 May 2018	13	13.85	81.02	7.6	33.64	8.1	25.2	2.34
F18	03 May 2018	14	13.50	81.66	7.2	33.64	8.1	25.2	2.25
F18	03 May 2018	15	12.88	82.19	6.7	33.67	8.1	25.4	2.22
F18	03 May 2018	16	11.88	83.11	6.2	33.65	8.0	25.6	2.20
F18	03 May 2018	17	11.75	84.02	5.9	33.61	8.0	25.6	1.96
F18	03 May 2018	18	11.73	84.48	5.8	33.60	8.0	25.6	1.98
F18	03 May 2018	19	11.51	85.03	5.6	33.61	8.0	25.6	1.78
F18	03 May 2018	20	11.33	85.85	5.4	33.61	7.9	25.6	1.58
F18	03 May 2018	21	11.24	86.49	5.3	33.62	7.9	25.7	1.32
F18	03 May 2018	22	11.11	86.65	5.1	33.62	7.9	25.7	1.22
F18	03 May 2018	23	10.96	87.28	5.0	33.64	7.9	25.7	1.10
F18	03 May 2018	24	10.89	88.34	4.9	33.64	7.9	25.7	0.88
F18	03 May 2018	25	10.82	88.91	4.8	33.64	7.9	25.8	0.77
F18	03 May 2018	26	10.78	89.14	4.7	33.65	7.9	25.8	0.72

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F18	03 May 2018	27	10.77	89.06	4.7	33.65	7.9	25.8	0.67
F18	03 May 2018	28	10.74	89.12	4.6	33.66	7.9	25.8	0.67
F18	03 May 2018	29	10.71	89.14	4.6	33.66	7.9	25.8	0.62
F18	03 May 2018	30	10.66	89.25	4.5	33.67	7.9	25.8	0.56
F18	03 May 2018	31	10.48	89.67	4.4	33.70	7.9	25.9	0.52
F18	03 May 2018	32	10.39	89.97	4.3	33.71	7.8	25.9	0.40
F18	03 May 2018	33	10.35	90.00	4.3	33.72	7.8	25.9	0.32
F18	03 May 2018	34	10.29	90.07	4.2	33.73	7.8	25.9	0.28
F18	03 May 2018	35	10.22	90.18	4.2	33.74	7.8	25.9	0.22
F18	03 May 2018	36	10.20	90.16	4.2	33.74	7.8	25.9	0.18
F18	03 May 2018	37	10.19	90.19	4.2	33.75	7.8	25.9	0.14
F18	03 May 2018	38	10.18	90.19	4.2	33.75	7.8	25.9	0.13
F18	03 May 2018	39	10.17	90.18	4.1	33.75	7.8	25.9	0.11
F18	03 May 2018	40	10.16	90.22	4.1	33.75	7.8	25.9	0.11
F18	03 May 2018	41	10.16	90.20	4.1	33.75	7.8	26.0	0.10
F18	03 May 2018	42	10.15	90.18	4.1	33.76	7.8	26.0	0.10
F18	03 May 2018	43	10.12	90.11	4.1	33.76	7.8	26.0	0.08
F18	03 May 2018	44	10.11	90.03	4.2	33.76	7.8	26.0	0.09
F18	03 May 2018	45	10.10	90.05	4.2	33.76	7.8	26.0	0.10
F18	03 May 2018	46	10.08	90.07	4.2	33.76	7.8	26.0	0.11
F18	03 May 2018	47	10.08	90.11	4.2	33.76	7.8	26.0	0.11
F18	03 May 2018	48	10.04	90.19	4.2	33.77	7.8	26.0	0.09
F18	03 May 2018	49	10.02	90.22	4.2	33.77	7.8	26.0	0.07
F18	03 May 2018	50	10.00	90.23	4.2	33.77	7.8	26.0	0.05
F18	03 May 2018	51	9.97	89.86	4.1	33.78	7.8	26.0	0.03
F18	03 May 2018	52	9.95	89.37	4.0	33.77	7.8	26.0	0.03
F18	03 May 2018	53	9.94	89.32	4.0	33.77	7.8	26.0	0.03
F18	03 May 2018	54	9.93	89.21	3.9	33.78	7.8	26.0	0.02
F18	03 May 2018	55	9.93	89.51	4.0	33.78	7.8	26.0	0.01
F18	03 May 2018	56	9.90	89.35	4.0	33.79	7.8	26.0	0.01
F18	03 May 2018	57	9.89	88.87	4.0	33.79	7.8	26.0	0.01
F18	03 May 2018	58	9.89	89.49	4.0	33.79	7.8	26.0	0.00
F18	03 May 2018	59	9.87	89.33	4.0	33.79	7.8	26.0	0.01
F18	03 May 2018	60	9.87	89.24	4.0	33.79	7.8	26.0	0.00
F18	03 May 2018	61	9.86	89.37	4.0	33.79	7.8	26.0	-0.01
F18	03 May 2018	62	9.86	89.32	3.9	33.79	7.8	26.0	0.00
F18	03 May 2018	63	9.86	89.30	3.9	33.79	7.8	26.0	0.00
F18	03 May 2018	64	9.85	89.24	3.9	33.79	7.8	26.0	0.03
F18	03 May 2018	65	9.84	88.96	3.8	33.80	7.8	26.0	0.04
F18	03 May 2018	66	9.83	88.66	3.8	33.80	7.8	26.0	0.02
F18	03 May 2018	67	9.84	88.74	3.8	33.80	7.8	26.0	0.04
F18	03 May 2018	68	9.86	88.90	3.8	33.81	7.8	26.0	0.04
F18	03 May 2018	69	9.93	89.42	3.8	33.83	7.8	26.1	0.06
F18	03 May 2018	70	9.96	89.51	3.8	33.85	7.8	26.1	0.06
F18	03 May 2018	71	9.96	89.31	3.7	33.85	7.8	26.1	0.06
F18	03 May 2018	72	9.96	88.82	3.6	33.86	7.8	26.1	0.07
F18	03 May 2018	73	9.94	87.81	3.6	33.86	7.8	26.1	0.08
F18	03 May 2018	74	9.92	87.57	3.6	33.87	7.8	26.1	0.04
F18	03 May 2018	75	9.91	87.10	3.5	33.88	7.8	26.1	0.05
F18	03 May 2018	76	9.90	85.29	3.4	33.89	7.8	26.1	0.04
F18	03 May 2018	77	9.90	83.37	3.4	33.89	7.8	26.1	0.04
F18	03 May 2018	78	9.90	83.18	3.4	33.88	7.8	26.1	0.11
F18	03 May 2018	79	9.90	83.14	3.4	33.88	7.8	26.1	0.12
F18	03 May 2018	80	9.90	83.00	3.4	33.88	7.8	26.1	0.14
F18	03 May 2018	81	9.90	83.05	3.4	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 (μ g/L)
F18	03 May 2018	82	9.90	83.17	3.4	33.88	7.8	26.1	0.09
F18	03 May 2018	83	9.91	82.97	3.4	33.88	7.8	26.1	0.10
F19	03 May 2018	1	15.69	82.52	8.6	33.62	8.2	24.8	0.44
F19	03 May 2018	2	15.66	82.86	8.6	33.62	8.2	24.8	0.48
F19	03 May 2018	3	15.58	82.80	8.6	33.63	8.2	24.8	0.47
F19	03 May 2018	4	15.47	82.54	8.6	33.62	8.2	24.8	0.49
F19	03 May 2018	5	15.46	82.27	8.7	33.62	8.2	24.8	0.56
F19	03 May 2018	6	15.44	82.09	8.7	33.62	8.2	24.8	0.65
F19	03 May 2018	7	15.42	82.13	8.6	33.62	8.2	24.8	0.74
F19	03 May 2018	8	15.40	82.21	8.6	33.62	8.2	24.8	0.87
F19	03 May 2018	9	15.37	82.16	8.5	33.62	8.2	24.8	1.00
F19	03 May 2018	10	15.03	81.62	8.0	33.66	8.2	24.9	1.29
F19	03 May 2018	11	13.15	80.52	7.2	33.72	8.1	25.4	1.67
F19	03 May 2018	12	12.23	82.59	6.3	33.67	8.0	25.5	1.60
F19	03 May 2018	13	11.78	84.11	6.0	33.62	8.0	25.6	1.46
F19	03 May 2018	14	11.74	84.53	5.8	33.61	8.0	25.6	1.54
F19	03 May 2018	15	11.73	84.44	5.8	33.60	8.0	25.6	1.65
F19	03 May 2018	16	11.68	84.75	5.7	33.60	8.0	25.6	1.70
F19	03 May 2018	17	11.41	84.80	5.5	33.61	8.0	25.6	1.88
F19	03 May 2018	18	11.23	85.42	5.3	33.61	7.9	25.7	1.68
F19	03 May 2018	19	11.10	86.33	5.2	33.62	7.9	25.7	1.66
F19	03 May 2018	20	11.04	86.86	5.1	33.62	7.9	25.7	1.44
F19	03 May 2018	21	11.00	87.20	5.0	33.63	7.9	25.7	1.18
F19	03 May 2018	22	10.98	87.33	5.0	33.63	7.9	25.7	1.13
F19	03 May 2018	23	10.98	87.43	4.9	33.64	7.9	25.7	1.13
F19	03 May 2018	24	10.92	87.87	4.8	33.65	7.9	25.7	0.96
F19	03 May 2018	25	10.84	88.02	4.8	33.66	7.9	25.8	0.92
F19	03 May 2018	26	10.77	88.29	4.8	33.66	7.9	25.8	0.89
F19	03 May 2018	27	10.71	88.78	4.7	33.66	7.9	25.8	0.83
F19	03 May 2018	28	10.68	89.09	4.7	33.67	7.9	25.8	0.68
F19	03 May 2018	29	10.67	89.23	4.6	33.67	7.9	25.8	0.63
F19	03 May 2018	30	10.66	89.27	4.6	33.67	7.9	25.8	0.60
F19	03 May 2018	31	10.56	89.36	4.5	33.69	7.9	25.8	0.53
F19	03 May 2018	32	10.54	89.47	4.4	33.70	7.8	25.8	0.50
F19	03 May 2018	33	10.50	89.44	4.4	33.70	7.8	25.9	0.46
F19	03 May 2018	34	10.38	89.64	4.3	33.72	7.8	25.9	0.39
F19	03 May 2018	35	10.29	89.69	4.3	33.73	7.8	25.9	0.33
F19	03 May 2018	36	10.25	89.74	4.2	33.73	7.8	25.9	0.29
F19	03 May 2018	37	10.19	89.84	4.2	33.74	7.8	25.9	0.24
F19	03 May 2018	38	10.14	89.87	4.2	33.75	7.8	25.9	0.21
F19	03 May 2018	39	10.14	89.98	4.2	33.75	7.8	26.0	0.17
F19	03 May 2018	40	10.14	90.04	4.2	33.75	7.8	26.0	0.17
F19	03 May 2018	41	10.14	90.10	4.2	33.75	7.8	26.0	0.14
F19	03 May 2018	42	10.14	90.10	4.2	33.75	7.8	26.0	0.15
F19	03 May 2018	43	10.14	90.13	4.1	33.75	7.8	26.0	0.15
F19	03 May 2018	44	10.08	90.04	4.1	33.75	7.8	26.0	0.14
F19	03 May 2018	45	10.02	89.48	4.0	33.75	7.8	26.0	0.12
F19	03 May 2018	46	10.01	89.29	4.0	33.76	7.8	26.0	0.10
F19	03 May 2018	47	9.97	89.31	4.0	33.76	7.8	26.0	0.09
F19	03 May 2018	48	9.92	89.05	3.9	33.77	7.8	26.0	0.08
F19	03 May 2018	49	9.93	89.07	4.0	33.77	7.8	26.0	0.07
F19	03 May 2018	50	9.92	89.23	4.0	33.77	7.8	26.0	0.07
F19	03 May 2018	51	9.90	89.21	3.9	33.77	7.8	26.0	0.05
F19	03 May 2018	52	9.85	89.04	3.9	33.77	7.8	26.0	0.06

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F19	03 May 2018	53	9.85	88.80	3.9	33.77	7.8	26.0	0.04
F19	03 May 2018	54	9.83	88.96	3.9	33.78	7.8	26.0	0.04
F19	03 May 2018	55	9.81	88.78	3.9	33.78	7.8	26.0	0.05
F19	03 May 2018	56	9.81	88.65	3.9	33.78	7.8	26.0	0.04
F19	03 May 2018	57	9.81	88.69	3.9	33.78	7.8	26.0	0.05
F19	03 May 2018	58	9.81	88.65	3.9	33.78	7.8	26.0	0.13
F19	03 May 2018	59	9.82	88.78	3.9	33.78	7.8	26.0	0.13
F19	03 May 2018	60	9.82	89.00	4.0	33.79	7.8	26.0	0.13
F19	03 May 2018	61	9.83	89.28	4.0	33.79	7.8	26.0	0.13
F19	03 May 2018	62	9.85	89.37	3.9	33.80	7.8	26.0	0.14
F19	03 May 2018	63	9.96	89.36	3.8	33.84	7.8	26.1	0.16
F19	03 May 2018	64	9.95	89.29	3.8	33.84	7.8	26.1	0.14
F19	03 May 2018	65	9.93	89.30	3.8	33.84	7.8	26.1	0.09
F19	03 May 2018	66	9.93	89.04	3.7	33.85	7.8	26.1	0.09
F19	03 May 2018	67	9.94	88.64	3.7	33.85	7.8	26.1	0.12
F19	03 May 2018	68	9.94	88.61	3.7	33.86	7.8	26.1	0.08
F19	03 May 2018	69	9.92	88.54	3.6	33.87	7.8	26.1	0.09
F19	03 May 2018	70	9.91	88.16	3.6	33.87	7.8	26.1	0.07
F19	03 May 2018	71	9.90	87.43	3.5	33.87	7.8	26.1	0.07
F19	03 May 2018	72	9.90	87.01	3.5	33.88	7.8	26.1	0.07
F19	03 May 2018	73	9.90	86.09	3.4	33.88	7.8	26.1	0.07
F19	03 May 2018	74	9.90	83.90	3.4	33.88	7.8	26.1	0.11
F19	03 May 2018	75	9.90	83.49	3.4	33.88	7.8	26.1	0.14
F19	03 May 2018	76	9.90	83.13	3.4	33.88	7.8	26.1	0.08
F19	03 May 2018	77	9.90	82.99	3.4	33.88	7.8	26.1	0.13
F19	03 May 2018	78	9.90	82.99	3.4	33.88	7.8	26.1	0.13
F19	03 May 2018	79	9.90	82.96	3.4	33.88	7.8	26.1	0.07
F19	03 May 2018	80	9.90	82.88	3.4	33.88	7.8	26.1	0.06
F19	03 May 2018	81	9.90	82.86	3.4	33.88	7.8	26.1	0.14
F19	03 May 2018	82	9.90	82.78	3.4	33.88	7.8	26.1	0.16
F19	03 May 2018	83	9.90	82.68	3.4	33.88	7.8	26.1	0.15
F19	03 May 2018	84	9.90	82.65	3.4	33.88	7.8	26.1	0.10
F20	03 May 2018	1	15.65	83.00	8.6	33.62	8.2	24.8	0.52
F20	03 May 2018	2	15.61	82.94	8.6	33.64	8.2	24.8	0.55
F20	03 May 2018	3	15.48	82.93	8.7	33.63	8.2	24.8	0.55
F20	03 May 2018	4	15.46	82.53	8.6	33.62	8.2	24.8	0.57
F20	03 May 2018	5	15.45	82.33	8.6	33.62	8.2	24.8	0.59
F20	03 May 2018	6	15.43	82.39	8.7	33.62	8.2	24.8	0.70
F20	03 May 2018	7	15.42	82.38	8.6	33.62	8.2	24.8	0.79
F20	03 May 2018	8	15.39	82.11	8.6	33.62	8.2	24.8	1.02
F20	03 May 2018	9	14.92	80.87	8.1	33.65	8.2	25.0	1.53
F20	03 May 2018	10	13.08	81.57	7.0	33.79	8.1	25.4	1.98
F20	03 May 2018	11	11.64	84.20	6.0	33.67	8.0	25.6	1.77
F20	03 May 2018	12	11.49	84.79	5.6	33.62	7.9	25.6	1.72
F20	03 May 2018	13	11.44	85.13	5.6	33.60	7.9	25.6	1.81
F20	03 May 2018	14	11.41	85.32	5.5	33.60	7.9	25.6	1.62
F20	03 May 2018	15	11.31	85.57	5.4	33.61	7.9	25.6	1.75
F20	03 May 2018	16	11.24	85.85	5.3	33.61	7.9	25.6	1.77
F20	03 May 2018	17	11.20	86.14	5.2	33.62	7.9	25.7	1.55
F20	03 May 2018	18	11.13	86.54	5.2	33.62	7.9	25.7	1.61
F20	03 May 2018	19	11.04	87.14	5.0	33.63	7.9	25.7	1.33
F20	03 May 2018	20	10.92	87.70	4.9	33.64	7.9	25.7	1.32
F20	03 May 2018	21	10.87	88.14	4.9	33.65	7.9	25.7	1.01
F20	03 May 2018	22	10.83	88.50	4.8	33.65	7.9	25.8	0.92

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F20	03 May 2018	23	10.77	88.79	4.8	33.65	7.9	25.8	0.97
F20	03 May 2018	24	10.76	89.05	4.8	33.65	7.9	25.8	0.78
F20	03 May 2018	25	10.71	89.19	4.7	33.66	7.9	25.8	0.71
F20	03 May 2018	26	10.67	89.28	4.7	33.66	7.9	25.8	0.65
F20	03 May 2018	27	10.60	89.37	4.5	33.68	7.9	25.8	0.59
F20	03 May 2018	28	10.48	89.57	4.4	33.70	7.9	25.9	0.52
F20	03 May 2018	29	10.46	89.72	4.4	33.70	7.8	25.9	0.49
F20	03 May 2018	30	10.39	89.79	4.4	33.72	7.8	25.9	0.44
F20	03 May 2018	31	10.32	89.88	4.3	33.72	7.8	25.9	0.40
F20	03 May 2018	32	10.30	89.97	4.3	33.73	7.8	25.9	0.31
F20	03 May 2018	33	10.30	90.17	4.2	33.73	7.8	25.9	0.25
F20	03 May 2018	34	10.25	90.21	4.2	33.74	7.8	25.9	0.22
F20	03 May 2018	35	10.22	90.24	4.1	33.74	7.8	25.9	0.19
F20	03 May 2018	36	10.20	90.23	4.1	33.75	7.8	25.9	0.23
F20	03 May 2018	37	10.16	90.18	4.1	33.75	7.8	26.0	0.14
F20	03 May 2018	38	10.12	90.05	4.1	33.76	7.8	26.0	0.13
F20	03 May 2018	39	10.09	89.96	4.1	33.76	7.8	26.0	0.11
F20	03 May 2018	40	9.98	89.03	4.0	33.75	7.8	26.0	0.10
F20	03 May 2018	41	9.95	88.13	3.9	33.75	7.8	26.0	0.06
F20	03 May 2018	42	9.93	87.94	3.9	33.75	7.8	26.0	0.05
F20	03 May 2018	43	9.91	87.92	3.9	33.76	7.8	26.0	0.04
F20	03 May 2018	44	9.90	88.30	3.8	33.77	7.8	26.0	0.04
F20	03 May 2018	45	9.88	88.36	3.8	33.77	7.8	26.0	0.03
F20	03 May 2018	46	9.86	88.18	3.8	33.77	7.8	26.0	0.03
F20	03 May 2018	47	9.85	87.94	3.8	33.77	7.8	26.0	0.01
F20	03 May 2018	48	9.85	87.88	3.8	33.77	7.8	26.0	0.03
F20	03 May 2018	49	9.85	87.89	3.8	33.77	7.8	26.0	0.03
F20	03 May 2018	50	9.85	87.87	3.7	33.77	7.8	26.0	0.02
F20	03 May 2018	51	9.84	87.61	3.7	33.77	7.8	26.0	0.01
F20	03 May 2018	52	9.82	87.42	3.7	33.77	7.8	26.0	0.01
F20	03 May 2018	53	9.79	87.52	3.7	33.77	7.8	26.0	0.02
F20	03 May 2018	54	9.78	87.96	3.8	33.77	7.8	26.0	0.00
F20	03 May 2018	55	9.78	88.11	3.9	33.77	7.8	26.0	0.00
F20	03 May 2018	56	9.78	88.27	3.8	33.77	7.8	26.0	0.00
F20	03 May 2018	57	9.78	88.22	3.9	33.77	7.8	26.0	0.03
F20	03 May 2018	58	9.78	88.22	3.9	33.77	7.8	26.0	0.10
F20	03 May 2018	59	9.78	88.27	3.8	33.77	7.8	26.0	0.12
F20	03 May 2018	60	9.78	88.28	3.8	33.77	7.8	26.0	0.11
F20	03 May 2018	61	9.79	88.11	3.8	33.77	7.8	26.0	0.06
F20	03 May 2018	62	9.79	88.08	3.8	33.77	7.8	26.0	0.04
F20	03 May 2018	63	9.79	87.76	3.7	33.77	7.8	26.0	0.05
F20	03 May 2018	64	9.80	87.67	3.7	33.78	7.8	26.0	0.08
F20	03 May 2018	65	9.80	87.78	3.7	33.78	7.8	26.0	0.05
F20	03 May 2018	66	9.78	88.07	3.8	33.78	7.8	26.0	0.05
F20	03 May 2018	67	9.77	88.51	3.8	33.79	7.8	26.0	0.04
F20	03 May 2018	68	9.77	88.66	3.8	33.80	7.8	26.1	0.01
F20	03 May 2018	69	9.79	88.78	3.8	33.82	7.8	26.1	0.01
F20	03 May 2018	70	9.83	88.86	3.8	33.83	7.8	26.1	0.02
F20	03 May 2018	71	9.86	88.47	3.7	33.85	7.8	26.1	0.01
F20	03 May 2018	72	9.88	88.18	3.7	33.85	7.8	26.1	0.04
F20	03 May 2018	73	9.89	87.49	3.6	33.86	7.8	26.1	0.04
F20	03 May 2018	74	9.89	85.89	3.5	33.87	7.8	26.1	0.04
F20	03 May 2018	75	9.89	85.19	3.5	33.87	7.8	26.1	0.03
F20	03 May 2018	76	9.89	84.94	3.5	33.87	7.8	26.1	0.10
F20	03 May 2018	77	9.90	84.55	3.5	33.87	7.8	26.1	0.18

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F20	03 May 2018	78	9.90	84.07	3.4	33.87	7.8	26.1	0.16
F20	03 May 2018	79	9.90	83.21	3.4	33.87	7.8	26.1	0.07
F20	03 May 2018	80	9.90	82.41	3.4	33.87	7.8	26.1	0.10
F20	03 May 2018	81	9.90	81.66	3.4	33.87	7.8	26.1	0.08
F20	03 May 2018	82	9.90	81.52	3.4	33.87	7.8	26.1	0.08
F20	03 May 2018	83	9.90	80.82	3.4	33.87	7.8	26.1	0.08
F21	03 May 2018	1	15.78	82.27	8.6	33.62	8.2	24.7	0.50
F21	03 May 2018	2	15.70	82.39	8.6	33.63	8.2	24.8	0.49
F21	03 May 2018	3	15.59	82.11	8.6	33.62	8.2	24.8	0.53
F21	03 May 2018	4	15.55	81.56	8.6	33.62	8.2	24.8	0.59
F21	03 May 2018	5	15.51	81.37	7.4	33.61	8.2	24.8	0.69
F21	03 May 2018	6	15.50	81.27	8.7	33.62	8.2	24.8	0.86
F21	03 May 2018	7	15.48	81.15	8.6	33.62	8.2	24.8	0.97
F21	03 May 2018	8	15.40	81.04	8.4	33.63	8.2	24.8	1.20
F21	03 May 2018	9	14.28	80.38	8.0	33.67	8.2	25.1	1.82
F21	03 May 2018	10	13.57	81.46	7.3	33.65	8.1	25.2	1.95
F21	03 May 2018	11	12.50	82.82	6.6	33.64	8.0	25.4	1.74
F21	03 May 2018	12	11.92	83.45	6.1	33.63	8.0	25.5	1.66
F21	03 May 2018	13	11.61	84.30	5.7	33.62	8.0	25.6	1.51
F21	03 May 2018	14	11.47	85.06	5.5	33.60	7.9	25.6	1.40
F21	03 May 2018	15	11.35	83.25	5.4	33.60	7.9	25.6	1.65
F21	03 May 2018	16	11.28	84.44	5.2	33.60	7.9	25.6	1.74
F21	03 May 2018	17	11.11	85.83	5.1	33.61	7.9	25.7	1.37
F21	03 May 2018	18	11.09	86.56	5.0	33.61	7.9	25.7	1.22
F21	03 May 2018	19	11.08	86.90	5.0	33.61	7.9	25.7	1.27
F21	03 May 2018	20	11.02	87.06	4.9	33.62	7.9	25.7	1.19
F21	03 May 2018	21	10.86	87.90	4.8	33.64	7.9	25.7	1.06
F21	03 May 2018	22	10.84	88.30	4.8	33.64	7.9	25.7	1.21
F21	03 May 2018	23	10.82	88.48	4.8	33.64	7.9	25.8	1.12
F21	03 May 2018	24	10.81	88.56	4.8	33.65	7.9	25.8	1.23
F21	03 May 2018	25	10.79	88.56	4.7	33.65	7.9	25.8	1.19
F21	03 May 2018	26	10.75	88.74	4.7	33.66	7.9	25.8	0.94
F21	03 May 2018	27	10.74	88.87	4.7	33.66	7.9	25.8	0.95
F21	03 May 2018	28	10.72	88.99	4.6	33.66	7.9	25.8	0.90
F21	03 May 2018	29	10.70	89.01	4.6	33.67	7.9	25.8	0.86
F21	03 May 2018	30	10.66	89.16	4.6	33.67	7.9	25.8	0.80
F21	03 May 2018	31	10.64	89.23	4.6	33.68	7.9	25.8	0.87
F21	03 May 2018	32	10.63	89.21	4.5	33.68	7.9	25.8	0.90
F21	03 May 2018	33	10.61	89.22	4.5	33.68	7.9	25.8	0.86
F21	03 May 2018	34	10.60	89.29	4.5	33.69	7.9	25.8	0.90
F21	03 May 2018	35	10.49	89.38	4.4	33.71	7.9	25.9	0.83
F21	03 May 2018	36	10.39	89.59	4.3	33.73	7.8	25.9	0.73
F21	03 May 2018	37	10.37	89.66	4.3	33.73	7.8	25.9	0.64
F21	03 May 2018	38	10.36	89.66	4.2	33.73	7.8	25.9	0.58
F21	03 May 2018	39	10.35	89.69	4.2	33.73	7.8	25.9	0.57
F21	03 May 2018	40	10.34	89.74	4.2	33.73	7.8	25.9	0.52
F21	03 May 2018	41	10.29	89.82	4.2	33.74	7.8	25.9	0.47
F21	03 May 2018	42	10.24	89.84	4.1	33.76	7.8	25.9	0.39
F21	03 May 2018	43	10.19	89.84	4.0	33.77	7.8	26.0	0.33
F21	03 May 2018	44	10.17	89.87	4.0	33.78	7.8	26.0	0.28
F21	03 May 2018	45	10.15	89.67	4.0	33.78	7.8	26.0	0.24
F21	03 May 2018	46	10.12	89.90	3.9	33.78	7.8	26.0	0.20
F21	03 May 2018	47	10.09	89.96	3.9	33.79	7.8	26.0	0.15
F21	03 May 2018	48	10.03	90.03	3.9	33.80	7.8	26.0	0.11

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F21	03 May 2018	49	10.01	90.06	3.9	33.80	7.8	26.0	0.10
F21	03 May 2018	50	10.01	90.14	3.9	33.80	7.8	26.0	0.07
F21	03 May 2018	51	10.00	90.16	3.9	33.80	7.8	26.0	0.06
F21	03 May 2018	52	10.00	90.19	4.0	33.80	7.8	26.0	0.06
F21	03 May 2018	53	10.00	90.23	3.9	33.80	7.8	26.0	0.05
F21	03 May 2018	54	10.00	90.22	3.9	33.80	7.8	26.0	0.05
F21	03 May 2018	55	9.98	90.24	3.9	33.81	7.8	26.0	0.05
F21	03 May 2018	56	9.97	90.26	3.9	33.83	7.8	26.0	0.04
F21	03 May 2018	57	9.97	90.22	3.8	33.83	7.8	26.0	0.11
F21	03 May 2018	58	9.97	90.22	3.8	33.83	7.8	26.0	0.13
F21	03 May 2018	59	9.97	90.21	3.8	33.82	7.8	26.0	0.12
F21	03 May 2018	60	9.97	90.22	3.8	33.82	7.8	26.0	0.12
F21	03 May 2018	61	9.97	90.20	3.8	33.82	7.8	26.0	0.06
F21	03 May 2018	62	9.97	90.18	3.8	33.82	7.8	26.0	0.03
F21	03 May 2018	63	9.97	90.17	3.8	33.82	7.8	26.0	0.03
F21	03 May 2018	64	9.96	90.13	3.8	33.83	7.8	26.0	0.02
F21	03 May 2018	65	9.96	90.12	3.8	33.83	7.8	26.0	0.02
F21	03 May 2018	66	9.95	90.13	3.8	33.83	7.8	26.0	0.02
F21	03 May 2018	67	9.95	90.13	3.8	33.83	7.8	26.0	0.02
F21	03 May 2018	68	9.95	90.10	3.8	33.83	7.8	26.0	0.02
F21	03 May 2018	69	9.94	90.08	3.8	33.83	7.8	26.1	0.02
F21	03 May 2018	70	9.92	89.81	3.7	33.85	7.8	26.1	0.02
F21	03 May 2018	71	9.90	89.74	3.7	33.86	7.8	26.1	0.03
F21	03 May 2018	72	9.76	89.77	3.9	33.86	7.8	26.1	0.03
F21	03 May 2018	73	9.74	89.86	3.9	33.86	7.8	26.1	0.02
F21	03 May 2018	74	9.76	89.52	3.8	33.87	7.8	26.1	0.02
F21	03 May 2018	75	9.75	89.24	3.8	33.87	7.8	26.1	0.00
F21	03 May 2018	76	9.76	88.95	3.7	33.88	7.8	26.1	0.01
F21	03 May 2018	77	9.77	88.66	3.7	33.88	7.8	26.1	0.12
F21	03 May 2018	78	9.78	88.49	3.7	33.88	7.8	26.1	0.12
F21	03 May 2018	79	9.79	88.13	3.6	33.89	7.8	26.1	0.12
F21	03 May 2018	80	9.78	87.71	3.6	33.89	7.8	26.1	0.04
F21	03 May 2018	81	9.78	87.64	3.6	33.89	7.8	26.1	0.11
F21	03 May 2018	82	9.78	87.22	3.6	33.90	7.8	26.1	0.17
F21	03 May 2018	83	9.79	86.29	3.5	33.90	7.8	26.1	0.06
F21	03 May 2018	84	9.80	85.60	3.4	33.90	7.8	26.1	0.06
F22	03 May 2018	1	15.68	82.05	8.7	33.62	8.2	24.8	0.55
F22	03 May 2018	2	15.69	82.09	8.7	33.62	8.2	24.8	0.55
F22	03 May 2018	3	15.58	81.75	8.7	33.62	8.2	24.8	0.60
F22	03 May 2018	4	15.55	81.58	8.7	33.62	8.2	24.8	0.68
F22	03 May 2018	5	15.53	81.29	8.7	33.62	8.2	24.8	0.80
F22	03 May 2018	6	15.52	81.23	8.7	33.62	8.2	24.8	0.88
F22	03 May 2018	7	15.50	81.11	8.7	33.62	8.2	24.8	1.03
F22	03 May 2018	8	15.47	81.23	8.6	33.62	8.2	24.8	1.21
F22	03 May 2018	9	15.31	81.22	8.3	33.63	8.2	24.8	1.67
F22	03 May 2018	10	13.93	79.71	7.7	33.68	8.2	25.2	2.52
F22	03 May 2018	11	13.00	79.73	6.9	33.64	8.1	25.3	2.22
F22	03 May 2018	12	12.14	82.43	6.2	33.62	8.0	25.5	1.88
F22	03 May 2018	13	11.66	84.15	5.8	33.60	8.0	25.6	1.53
F22	03 May 2018	14	11.51	85.13	5.5	33.60	7.9	25.6	1.23
F22	03 May 2018	15	11.39	85.31	5.4	33.59	7.9	25.6	1.43
F22	03 May 2018	16	11.27	85.52	5.3	33.59	7.9	25.6	1.88
F22	03 May 2018	17	11.15	86.27	5.2	33.60	7.9	25.7	1.92
F22	03 May 2018	18	10.98	87.11	5.0	33.61	7.9	25.7	1.44

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F22	03 May 2018	19	10.90	87.74	4.8	33.62	7.9	25.7	0.97
F22	03 May 2018	20	10.85	88.67	4.8	33.62	7.9	25.7	0.75
F22	03 May 2018	21	10.83	88.98	4.7	33.63	7.9	25.7	0.72
F22	03 May 2018	22	10.82	89.17	4.7	33.63	7.9	25.7	0.69
F22	03 May 2018	23	10.82	89.21	4.7	33.63	7.9	25.7	0.76
F22	03 May 2018	24	10.81	89.29	4.7	33.64	7.9	25.8	0.75
F22	03 May 2018	25	10.78	89.36	4.6	33.64	7.9	25.8	0.71
F22	03 May 2018	26	10.70	89.47	4.6	33.66	7.9	25.8	0.66
F22	03 May 2018	27	10.68	89.54	4.6	33.66	7.9	25.8	0.79
F22	03 May 2018	28	10.68	89.62	4.6	33.66	7.9	25.8	0.58
F22	03 May 2018	29	10.67	89.59	4.6	33.66	7.9	25.8	0.59
F22	03 May 2018	30	10.66	89.59	4.6	33.67	7.9	25.8	0.60
F22	03 May 2018	31	10.66	89.56	4.6	33.67	7.9	25.8	0.62
F22	03 May 2018	32	10.66	89.53	4.5	33.67	7.9	25.8	0.62
F22	03 May 2018	33	10.65	89.53	4.5	33.67	7.9	25.8	0.70
F22	03 May 2018	34	10.65	89.49	4.5	33.67	7.9	25.8	0.71
F22	03 May 2018	35	10.64	89.30	4.5	33.68	7.9	25.8	0.67
F22	03 May 2018	36	10.61	89.44	4.5	33.68	7.9	25.8	0.66
F22	03 May 2018	37	10.61	89.50	4.5	33.68	7.9	25.8	0.63
F22	03 May 2018	38	10.55	89.51	4.5	33.69	7.8	25.8	0.63
F22	03 May 2018	39	10.49	89.57	4.4	33.70	7.8	25.9	0.62
F22	03 May 2018	40	10.44	89.59	4.3	33.71	7.8	25.9	0.56
F22	03 May 2018	41	10.39	89.66	4.3	33.73	7.8	25.9	0.56
F22	03 May 2018	42	10.36	89.72	4.2	33.73	7.8	25.9	0.45
F22	03 May 2018	43	10.35	89.79	4.2	33.73	7.8	25.9	0.42
F22	03 May 2018	44	10.33	89.77	4.2	33.74	7.8	25.9	0.45
F22	03 May 2018	45	10.24	89.82	4.1	33.77	7.8	25.9	0.33
F22	03 May 2018	46	10.19	89.86	4.0	33.77	7.8	26.0	0.24
F22	03 May 2018	47	10.14	89.91	3.9	33.78	7.8	26.0	0.17
F22	03 May 2018	48	10.12	89.93	3.9	33.78	7.8	26.0	0.13
F22	03 May 2018	49	10.05	89.96	3.9	33.80	7.8	26.0	0.10
F22	03 May 2018	50	10.04	90.02	3.8	33.80	7.8	26.0	0.06
F22	03 May 2018	51	10.04	90.02	3.8	33.80	7.8	26.0	0.06
F22	03 May 2018	52	10.04	89.99	3.8	33.80	7.8	26.0	0.06
F22	03 May 2018	53	10.04	90.02	3.8	33.80	7.8	26.0	0.06
F22	03 May 2018	54	10.04	90.02	3.8	33.80	7.8	26.0	0.04
F22	03 May 2018	55	10.04	90.01	3.8	33.80	7.8	26.0	0.04
F22	03 May 2018	56	10.02	89.75	3.8	33.80	7.8	26.0	0.05
F22	03 May 2018	57	10.00	90.01	3.8	33.81	7.8	26.0	0.03
F22	03 May 2018	58	9.99	90.08	3.8	33.81	7.8	26.0	0.08
F22	03 May 2018	59	9.96	90.11	3.8	33.81	7.8	26.0	0.03
F22	03 May 2018	60	9.92	90.12	3.9	33.82	7.8	26.0	0.05
F22	03 May 2018	61	9.90	90.13	3.9	33.82	7.8	26.0	0.17
F22	03 May 2018	62	9.89	90.11	3.9	33.83	7.8	26.1	0.18
F22	03 May 2018	63	9.88	90.06	3.9	33.83	7.8	26.1	0.16
F22	03 May 2018	64	9.88	90.03	3.9	33.83	7.8	26.1	0.17
F22	03 May 2018	65	9.88	90.03	3.9	33.84	7.8	26.1	0.15
F22	03 May 2018	66	9.84	90.01	3.9	33.85	7.8	26.1	0.16
F22	03 May 2018	67	9.78	89.98	3.9	33.86	7.8	26.1	0.16
F22	03 May 2018	68	9.74	89.99	3.9	33.85	7.8	26.1	0.15
F22	03 May 2018	69	9.74	89.94	3.9	33.85	7.8	26.1	0.14
F22	03 May 2018	70	9.75	89.78	3.9	33.86	7.8	26.1	0.14
F22	03 May 2018	71	9.76	89.51	3.8	33.86	7.8	26.1	0.12
F22	03 May 2018	72	9.75	89.42	3.8	33.87	7.8	26.1	0.07
F22	03 May 2018	73	9.76	89.28	3.8	33.87	7.8	26.1	0.08

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F22	03 May 2018	74	9.74	89.28	3.8	33.87	7.8	26.1	0.04
F22	03 May 2018	75	9.76	89.49	3.8	33.88	7.8	26.1	0.03
F22	03 May 2018	76	9.77	89.46	3.7	33.89	7.8	26.1	0.01
F22	03 May 2018	77	9.78	89.22	3.7	33.89	7.8	26.1	0.04
F22	03 May 2018	78	9.78	89.04	3.6	33.89	7.8	26.1	0.06
F22	03 May 2018	79	9.78	88.55	3.6	33.89	7.8	26.1	0.11
F22	03 May 2018	80	9.80	87.28	3.5	33.90	7.8	26.1	0.08
F22	03 May 2018	81	9.80	84.07	3.4	33.92	7.8	26.1	0.08
F22	03 May 2018	82	9.78	83.06	3.3	33.92	7.8	26.1	0.10
F23	03 May 2018	1	15.59	81.66	8.7	33.62	8.2	24.8	0.78
F23	03 May 2018	2	15.56	81.42	8.6	33.62	8.2	24.8	0.79
F23	03 May 2018	3	15.51	81.21	8.7	33.62	8.2	24.8	0.86
F23	03 May 2018	6	15.29	79.79	8.1	33.62	8.2	24.8	1.43
F23	03 May 2018	7	15.15	79.14	8.4	33.62	8.2	24.9	2.36
F23	03 May 2018	8	14.95	78.76	8.0	33.64	8.2	24.9	2.98
F23	03 May 2018	9	13.53	77.98	7.3	33.70	8.1	25.3	3.20
F23	03 May 2018	10	12.59	79.79	6.7	33.65	8.0	25.4	2.66
F23	03 May 2018	11	12.31	82.52	6.3	33.62	8.0	25.5	2.17
F23	03 May 2018	12	12.12	84.49	6.0	33.62	8.0	25.5	1.66
F23	03 May 2018	13	11.69	85.52	5.6	33.63	8.0	25.6	1.35
F23	03 May 2018	14	11.37	86.27	5.3	33.62	7.9	25.6	1.20
F23	03 May 2018	15	11.25	86.71	5.1	33.61	7.9	25.6	1.10
F23	03 May 2018	16	11.18	87.41	5.0	33.61	7.9	25.7	0.92
F23	03 May 2018	17	11.14	87.53	5.0	33.61	7.9	25.7	0.93
F23	03 May 2018	18	11.05	87.83	4.9	33.61	7.9	25.7	0.89
F23	03 May 2018	19	10.97	88.36	4.8	33.63	7.9	25.7	0.84
F23	03 May 2018	20	10.86	88.59	4.7	33.66	7.9	25.8	0.70
F23	03 May 2018	21	10.82	88.67	4.6	33.66	7.9	25.8	0.66
F23	03 May 2018	22	10.71	88.73	4.5	33.68	7.9	25.8	0.61
F23	03 May 2018	23	10.58	89.11	4.5	33.68	7.9	25.8	0.65
F23	03 May 2018	24	10.57	89.52	4.5	33.68	7.9	25.8	0.53
F23	03 May 2018	25	10.56	89.59	4.5	33.68	7.9	25.8	0.57
F23	03 May 2018	26	10.55	89.60	4.5	33.68	7.9	25.8	0.59
F23	03 May 2018	27	10.54	89.61	4.5	33.68	7.9	25.8	0.58
F23	03 May 2018	28	10.54	89.70	4.5	33.68	7.9	25.8	0.55
F23	03 May 2018	29	10.54	89.69	4.5	33.69	7.9	25.8	0.55
F23	03 May 2018	30	10.54	89.65	4.5	33.68	7.9	25.8	0.58
F23	03 May 2018	31	10.54	89.69	4.4	33.69	7.9	25.8	0.49
F23	03 May 2018	32	10.53	89.74	4.4	33.69	7.8	25.8	0.45
F23	03 May 2018	33	10.53	89.75	4.4	33.69	7.8	25.8	0.50
F23	03 May 2018	34	10.51	89.74	4.4	33.69	7.8	25.8	0.60
F23	03 May 2018	35	10.44	89.56	4.4	33.71	7.8	25.9	0.61
F23	03 May 2018	36	10.40	89.70	4.3	33.72	7.8	25.9	0.48
F23	03 May 2018	37	10.38	89.79	4.3	33.72	7.8	25.9	0.45
F23	03 May 2018	38	10.34	89.81	4.3	33.73	7.8	25.9	0.41
F23	03 May 2018	39	10.32	89.83	4.2	33.74	7.8	25.9	0.40
F23	03 May 2018	40	10.26	89.70	4.2	33.75	7.8	25.9	0.85
F23	03 May 2018	41	10.20	89.94	4.1	33.77	7.8	26.0	0.50
F23	03 May 2018	42	10.18	89.93	4.0	33.77	7.8	26.0	0.28
F23	03 May 2018	43	10.13	89.99	4.0	33.78	7.8	26.0	0.19
F23	03 May 2018	44	10.10	89.99	3.9	33.79	7.8	26.0	0.15
F23	03 May 2018	45	10.06	89.98	3.9	33.80	7.8	26.0	0.09
F23	03 May 2018	46	10.04	90.03	3.9	33.80	7.8	26.0	0.07
F23	03 May 2018	47	10.02	90.06	3.9	33.80	7.8	26.0	0.05

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F23	03 May 2018	48	10.00	90.10	3.9	33.80	7.8	26.0	0.05
F23	03 May 2018	49	9.98	90.14	3.9	33.81	7.8	26.0	0.02
F23	03 May 2018	50	9.98	90.19	3.9	33.81	7.8	26.0	0.02
F23	03 May 2018	51	9.99	90.26	3.9	33.81	7.8	26.0	0.02
F23	03 May 2018	52	9.97	90.28	3.9	33.82	7.8	26.0	0.01
F23	03 May 2018	53	9.97	90.30	3.9	33.82	7.8	26.0	0.02
F23	03 May 2018	54	9.95	90.31	3.8	33.83	7.8	26.0	0.01
F23	03 May 2018	55	9.95	90.31	3.8	33.84	7.8	26.1	0.00
F23	03 May 2018	56	9.95	90.24	3.8	33.84	7.8	26.1	0.01
F23	03 May 2018	57	9.95	90.20	3.8	33.84	7.8	26.1	0.08
F23	03 May 2018	58	9.95	90.22	3.8	33.84	7.8	26.1	0.11
F23	03 May 2018	59	9.95	90.20	3.8	33.84	7.8	26.1	0.09
F23	03 May 2018	60	9.92	90.15	3.7	33.85	7.8	26.1	0.04
F23	03 May 2018	61	9.91	90.12	3.7	33.85	7.8	26.1	0.03
F23	03 May 2018	62	9.90	90.03	3.7	33.85	7.8	26.1	0.02
F23	03 May 2018	63	9.86	89.89	3.8	33.86	7.8	26.1	0.02
F23	03 May 2018	64	9.84	89.89	3.8	33.86	7.8	26.1	0.01
F23	03 May 2018	65	9.84	89.89	3.8	33.86	7.8	26.1	0.01
F23	03 May 2018	66	9.79	89.88	3.8	33.87	7.8	26.1	0.00
F23	03 May 2018	67	9.77	89.79	3.8	33.86	7.8	26.1	0.02
F23	03 May 2018	68	9.77	89.74	3.8	33.87	7.8	26.1	0.00
F23	03 May 2018	69	9.76	89.72	3.8	33.87	7.8	26.1	0.00
F23	03 May 2018	70	9.76	89.55	3.8	33.87	7.8	26.1	-0.01
F23	03 May 2018	71	9.76	89.42	3.8	33.87	7.8	26.1	0.01
F23	03 May 2018	72	9.76	89.25	3.8	33.87	7.8	26.1	-0.01
F23	03 May 2018	73	9.76	89.21	3.8	33.88	7.8	26.1	0.00
F23	03 May 2018	74	9.76	89.15	3.7	33.88	7.8	26.1	0.07
F23	03 May 2018	75	9.77	89.03	3.7	33.88	7.8	26.1	0.12
F23	03 May 2018	76	9.77	88.73	3.7	33.88	7.8	26.1	0.12
F23	03 May 2018	77	9.78	88.53	3.7	33.88	7.8	26.1	0.09
F23	03 May 2018	78	9.79	88.28	3.6	33.88	7.8	26.1	0.11
F23	03 May 2018	79	9.79	88.06	3.6	33.89	7.8	26.1	0.11
F23	03 May 2018	80	9.81	87.03	3.5	33.90	7.8	26.1	0.11
F23	03 May 2018	81	9.81	85.45	3.4	33.91	7.8	26.1	0.10
F23	03 May 2018	82	9.78	84.78	3.4	33.92	7.8	26.1	0.10
F23	03 May 2018	83	9.77	82.52	3.3	33.93	7.8	26.2	0.14
F24	03 May 2018	1	15.31	82.60	8.5	33.65	8.2	24.9	0.69
F24	03 May 2018	2	15.29	82.51	8.5	33.66	8.2	24.9	0.73
F24	03 May 2018	3	15.22	82.29	8.5	33.66	8.2	24.9	0.76
F24	03 May 2018	4	15.20	81.95	8.5	33.65	8.2	24.9	0.91
F24	03 May 2018	5	15.18	82.24	6.2	33.67	8.2	24.9	0.66
F24	03 May 2018	6	15.09	82.11	8.1	33.66	8.2	24.9	1.27
F24	03 May 2018	7	14.22	81.75	7.6	33.77	8.2	25.2	1.66
F24	03 May 2018	8	12.74	81.36	7.0	33.72	8.1	25.5	1.62
F24	03 May 2018	9	12.28	83.77	6.3	33.67	8.0	25.5	1.32
F24	03 May 2018	10	11.95	85.61	5.8	33.67	8.0	25.6	1.05
F24	03 May 2018	11	11.67	86.27	5.5	33.66	7.9	25.6	0.90
F24	03 May 2018	12	11.49	86.89	5.3	33.64	7.9	25.6	1.37
F24	03 May 2018	13	11.32	86.88	5.2	33.63	7.9	25.6	0.89
F24	03 May 2018	14	11.23	87.00	5.1	33.61	7.9	25.7	0.91
F24	03 May 2018	15	11.19	87.50	5.1	33.61	7.9	25.7	0.99
F24	03 May 2018	16	11.17	87.91	5.0	33.61	7.9	25.7	0.91
F24	03 May 2018	17	11.10	88.07	4.9	33.62	7.9	25.7	0.87
F24	03 May 2018	18	11.00	88.40	4.8	33.64	7.9	25.7	0.75

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F24	03 May 2018	19	10.95	88.38	4.6	33.67	7.9	25.7	0.70
F24	03 May 2018	20	10.73	88.10	4.5	33.70	7.9	25.8	0.61
F24	03 May 2018	21	10.63	88.64	4.5	33.68	7.8	25.8	0.54
F24	03 May 2018	22	10.61	89.23	4.5	33.68	7.8	25.8	0.53
F24	03 May 2018	23	10.59	89.35	4.5	33.68	7.8	25.8	0.53
F24	03 May 2018	24	10.59	89.35	4.5	33.69	7.8	25.8	0.58
F24	03 May 2018	25	10.59	89.43	4.5	33.68	7.8	25.8	0.56
F24	03 May 2018	26	10.58	89.38	4.5	33.69	7.8	25.8	0.59
F24	03 May 2018	27	10.58	89.48	4.5	33.69	7.8	25.8	0.53
F24	03 May 2018	28	10.57	89.53	4.5	33.69	7.8	25.8	0.55
F24	03 May 2018	29	10.56	89.52	4.4	33.69	7.8	25.8	0.50
F24	03 May 2018	30	10.52	89.59	4.4	33.70	7.8	25.8	0.45
F24	03 May 2018	31	10.47	89.63	4.5	33.70	7.8	25.9	0.43
F24	03 May 2018	32	10.45	89.63	4.4	33.70	7.8	25.9	0.45
F24	03 May 2018	33	10.41	89.72	4.4	33.71	7.8	25.9	0.43
F24	03 May 2018	34	10.37	89.78	4.3	33.72	7.8	25.9	0.40
F24	03 May 2018	35	10.32	89.81	4.3	33.74	7.8	25.9	0.37
F24	03 May 2018	36	10.26	89.82	4.2	33.76	7.8	25.9	0.34
F24	03 May 2018	37	10.22	89.89	4.1	33.76	7.8	25.9	0.30
F24	03 May 2018	38	10.21	89.86	4.1	33.77	7.8	26.0	0.26
F24	03 May 2018	39	10.18	89.91	4.1	33.77	7.8	26.0	0.25
F24	03 May 2018	40	10.17	89.93	4.0	33.77	7.8	26.0	0.24
F24	03 May 2018	41	10.14	89.98	4.0	33.78	7.8	26.0	0.21
F24	03 May 2018	42	10.10	90.01	4.0	33.79	7.8	26.0	0.16
F24	03 May 2018	43	10.08	90.03	4.0	33.79	7.8	26.0	0.14
F24	03 May 2018	44	10.05	90.05	3.9	33.79	7.8	26.0	0.13
F24	03 May 2018	45	10.03	90.07	4.0	33.80	7.8	26.0	0.11
F24	03 May 2018	46	10.03	90.09	3.9	33.80	7.8	26.0	0.08
F24	03 May 2018	47	10.02	90.09	3.9	33.80	7.8	26.0	0.12
F24	03 May 2018	48	9.98	90.09	3.9	33.81	7.8	26.0	0.08
F24	03 May 2018	49	9.97	90.12	3.9	33.81	7.8	26.0	0.06
F24	03 May 2018	50	9.97	90.14	3.8	33.81	7.8	26.0	0.05
F24	03 May 2018	51	9.96	90.13	3.8	33.82	7.8	26.0	0.04
F24	03 May 2018	52	9.96	90.14	3.8	33.82	7.8	26.0	0.05
F24	03 May 2018	53	9.95	90.14	3.8	33.82	7.8	26.0	0.05
F24	03 May 2018	54	9.94	90.14	3.8	33.83	7.8	26.0	0.04
F24	03 May 2018	55	9.93	90.14	3.8	33.83	7.8	26.1	0.04
F24	03 May 2018	56	9.92	90.13	3.8	33.84	7.8	26.1	0.09
F24	03 May 2018	57	9.91	90.07	3.8	33.84	7.8	26.1	0.10
F24	03 May 2018	58	9.89	89.96	3.8	33.84	7.8	26.1	0.08
F24	03 May 2018	59	9.85	89.92	3.9	33.84	7.8	26.1	0.02
F24	03 May 2018	60	9.81	89.94	3.9	33.84	7.8	26.1	0.01
F24	03 May 2018	61	9.81	90.02	4.0	33.84	7.8	26.1	0.00
F24	03 May 2018	62	9.80	90.02	4.0	33.84	7.8	26.1	0.01
F24	03 May 2018	63	9.80	90.03	4.0	33.84	7.8	26.1	0.00
F24	03 May 2018	64	9.80	90.01	4.0	33.84	7.8	26.1	0.00
F24	03 May 2018	65	9.79	89.98	4.0	33.84	7.8	26.1	0.01
F24	03 May 2018	66	9.79	89.94	4.0	33.84	7.8	26.1	0.00
F24	03 May 2018	67	9.79	89.81	3.9	33.85	7.8	26.1	0.00
F24	03 May 2018	68	9.79	89.56	3.9	33.86	7.8	26.1	0.00
F24	03 May 2018	69	9.78	89.44	3.8	33.86	7.8	26.1	0.01
F24	03 May 2018	70	9.78	89.33	3.8	33.86	7.8	26.1	0.01
F24	03 May 2018	71	9.77	89.31	3.8	33.87	7.8	26.1	0.03
F24	03 May 2018	72	9.76	89.35	3.8	33.87	7.8	26.1	0.01
F24	03 May 2018	73	9.78	89.37	3.8	33.88	7.8	26.1	0.01

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F24	03 May 2018	74	9.80	88.17	3.6	33.89	7.8	26.1	0.00
F24	03 May 2018	75	9.81	86.41	3.5	33.89	7.8	26.1	0.01
F24	03 May 2018	76	9.81	86.22	3.5	33.90	7.8	26.1	0.01
F24	03 May 2018	77	9.81	85.81	3.5	33.90	7.8	26.1	0.04
F24	03 May 2018	78	9.81	85.37	3.5	33.90	7.8	26.1	0.09
F24	03 May 2018	79	9.81	84.16	3.4	33.90	7.8	26.1	0.08
F24	03 May 2018	80	9.81	83.33	3.4	33.90	7.8	26.1	0.11
F24	03 May 2018	81	9.81	82.84	3.4	33.91	7.8	26.1	0.08
F24	03 May 2018	82	9.81	82.62	3.4	33.91	7.8	26.1	0.07
F24	03 May 2018	83	9.79	82.37	3.4	33.92	7.8	26.1	0.07
F25	03 May 2018	1	15.26	83.57	8.4	33.66	8.2	24.9	0.61
F25	03 May 2018	2	15.25	83.59	8.4	33.66	8.2	24.9	0.65
F25	03 May 2018	3	15.21	83.38	8.4	33.66	8.2	24.9	0.72
F25	03 May 2018	4	15.19	83.03	8.4	33.66	8.2	24.9	0.76
F25	03 May 2018	5	15.18	82.76	8.4	33.66	8.2	24.9	0.91
F25	03 May 2018	6	15.17	82.71	8.4	33.66	8.2	24.9	1.07
F25	03 May 2018	7	15.15	82.95	8.4	33.66	8.2	24.9	1.10
F25	03 May 2018	8	14.98	83.12	8.3	33.66	8.2	24.9	1.15
F25	03 May 2018	9	14.66	82.91	8.1	33.65	8.1	25.0	1.32
F25	03 May 2018	10	14.07	83.00	7.6	33.68	8.1	25.1	1.53
F25	03 May 2018	11	12.70	83.38	7.0	33.66	8.0	25.4	1.44
F25	03 May 2018	12	12.53	84.44	6.6	33.63	8.0	25.4	1.19
F25	03 May 2018	13	12.40	85.14	6.3	33.64	8.0	25.5	1.01
F25	03 May 2018	14	12.14	86.08	5.9	33.64	8.0	25.5	0.87
F25	03 May 2018	15	11.92	86.54	5.6	33.65	7.9	25.6	0.79
F25	03 May 2018	16	11.59	86.75	5.2	33.66	7.9	25.6	0.64
F25	03 May 2018	17	11.42	87.02	5.0	33.66	7.9	25.7	0.86
F25	03 May 2018	18	11.21	87.22	4.7	33.67	7.9	25.7	0.67
F25	03 May 2018	19	10.89	87.57	4.6	33.68	7.8	25.8	0.62
F25	03 May 2018	20	10.81	88.20	4.6	33.67	7.8	25.8	0.63
F25	03 May 2018	21	10.78	88.73	4.6	33.66	7.8	25.8	0.59
F25	03 May 2018	22	10.75	88.83	4.6	33.66	7.8	25.8	0.63
F25	03 May 2018	23	10.74	88.79	4.6	33.66	7.8	25.8	0.69
F25	03 May 2018	24	10.74	89.05	4.6	33.66	7.8	25.8	0.67
F25	03 May 2018	25	10.71	89.08	4.5	33.67	7.8	25.8	0.67
F25	03 May 2018	26	10.68	89.28	4.5	33.67	7.8	25.8	0.62
F25	03 May 2018	27	10.65	89.47	4.5	33.67	7.8	25.8	0.62
F25	03 May 2018	28	10.61	89.55	4.5	33.68	7.8	25.8	0.63
F25	03 May 2018	29	10.58	89.53	4.5	33.68	7.8	25.8	0.61
F25	03 May 2018	30	10.56	89.57	4.5	33.69	7.8	25.8	0.62
F25	03 May 2018	31	10.53	89.51	4.5	33.69	7.8	25.8	0.69
F25	03 May 2018	32	10.48	89.44	4.4	33.70	7.8	25.9	0.63
F25	03 May 2018	33	10.46	89.51	4.4	33.70	7.8	25.9	0.58
F25	03 May 2018	34	10.42	89.73	4.4	33.71	7.8	25.9	0.53
F25	03 May 2018	35	10.38	89.75	4.3	33.71	7.8	25.9	0.50
F25	03 May 2018	36	10.33	89.79	4.3	33.73	7.8	25.9	0.46
F25	03 May 2018	37	10.34	89.72	4.3	33.73	7.8	25.9	0.43
F25	03 May 2018	38	10.15	89.97	4.2	33.76	7.8	26.0	0.35
F25	03 May 2018	39	10.10	90.08	4.2	33.76	7.8	26.0	0.28
F25	03 May 2018	40	10.05	90.14	4.1	33.77	7.8	26.0	0.21
F25	03 May 2018	41	10.02	90.13	4.1	33.79	7.8	26.0	0.18
F25	03 May 2018	42	9.99	90.07	4.1	33.79	7.8	26.0	0.16
F25	03 May 2018	43	9.95	90.05	4.1	33.79	7.8	26.0	0.13
F25	03 May 2018	44	9.93	90.09	4.1	33.80	7.8	26.0	0.13

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F25	03 May 2018	45	9.90	90.13	4.2	33.80	7.8	26.0	0.12
F25	03 May 2018	46	9.88	90.15	4.2	33.80	7.8	26.0	0.09
F25	03 May 2018	47	9.86	90.19	4.2	33.80	7.8	26.0	0.09
F25	03 May 2018	48	9.86	90.28	4.2	33.80	7.8	26.0	0.07
F25	03 May 2018	49	9.85	90.30	4.2	33.80	7.8	26.0	0.06
F25	03 May 2018	50	9.84	90.31	4.2	33.80	7.8	26.0	0.04
F25	03 May 2018	51	9.83	90.13	4.2	33.80	7.8	26.0	0.03
F25	03 May 2018	52	9.84	90.28	4.2	33.80	7.8	26.0	0.03
F25	03 May 2018	53	9.82	90.23	4.2	33.81	7.8	26.1	0.03
F25	03 May 2018	54	9.80	90.26	4.1	33.81	7.8	26.1	0.04
F25	03 May 2018	55	9.83	90.19	4.1	33.83	7.8	26.1	0.03
F25	03 May 2018	56	9.84	90.06	4.0	33.84	7.8	26.1	0.04
F25	03 May 2018	57	9.85	89.93	4.0	33.84	7.8	26.1	0.10
F25	03 May 2018	58	9.86	89.86	3.9	33.84	7.8	26.1	0.13
F25	03 May 2018	59	9.87	89.78	3.9	33.84	7.8	26.1	0.12
F25	03 May 2018	60	9.87	89.53	3.9	33.85	7.8	26.1	0.06
F25	03 May 2018	61	9.87	89.14	3.8	33.85	7.8	26.1	0.07
F25	03 May 2018	62	9.87	88.83	3.8	33.86	7.8	26.1	0.06
F25	03 May 2018	63	9.87	88.46	3.8	33.86	7.8	26.1	0.06
F25	03 May 2018	64	9.88	87.96	3.7	33.86	7.8	26.1	0.06
F25	03 May 2018	65	9.88	87.18	3.7	33.86	7.8	26.1	0.06
F25	03 May 2018	66	9.88	86.69	3.7	33.86	7.8	26.1	0.06
F25	03 May 2018	67	9.88	86.64	3.7	33.87	7.8	26.1	0.06
F25	03 May 2018	68	9.88	86.25	3.6	33.87	7.8	26.1	0.04
F25	03 May 2018	69	9.88	85.71	3.6	33.87	7.8	26.1	0.05
F25	03 May 2018	70	9.88	85.51	3.6	33.87	7.8	26.1	0.05
F25	03 May 2018	71	9.88	84.97	3.6	33.87	7.8	26.1	0.05
F25	03 May 2018	72	9.88	84.97	3.6	33.87	7.8	26.1	0.04
F25	03 May 2018	73	9.85	84.50	3.5	33.88	7.8	26.1	0.03
F25	03 May 2018	74	9.83	84.37	3.5	33.89	7.8	26.1	0.02
F25	03 May 2018	75	9.81	83.85	3.5	33.89	7.8	26.1	0.02
F25	03 May 2018	76	9.81	84.18	3.5	33.89	7.8	26.1	0.02
F25	03 May 2018	77	9.81	84.35	3.5	33.89	7.8	26.1	0.04
F25	03 May 2018	78	9.80	84.57	3.5	33.90	7.8	26.1	0.11
F25	03 May 2018	79	9.80	84.64	3.5	33.90	7.8	26.1	0.10
F25	03 May 2018	80	9.80	84.51	3.5	33.90	7.8	26.1	0.06
F25	03 May 2018	81	9.80	84.25	3.5	33.90	7.8	26.1	0.05
F26	02 May 2018	1	15.50	76.28	8.4	33.57	8.2	24.8	0.64
F26	02 May 2018	2	15.50	81.87	8.4	33.62	8.2	24.8	0.74
F26	02 May 2018	3	15.49	82.30	8.4	33.62	8.2	24.8	0.76
F26	02 May 2018	4	15.37	81.32	8.4	33.62	8.2	24.8	0.88
F26	02 May 2018	5	15.31	79.31	7.5	33.54	8.2	24.8	0.93
F26	02 May 2018	6	15.23	80.57	8.5	33.62	8.2	24.9	1.45
F26	02 May 2018	7	15.23	80.51	8.4	33.62	8.2	24.9	1.64
F26	02 May 2018	8	14.93	80.93	8.0	33.63	8.2	24.9	1.88
F26	02 May 2018	9	13.96	82.95	7.5	33.63	8.1	25.1	1.96
F26	02 May 2018	10	12.58	85.41	7.0	33.59	8.1	25.4	1.66
F26	02 May 2018	11	12.38	86.12	6.7	33.55	8.0	25.4	1.51
F26	02 May 2018	12	12.25	86.83	6.5	33.55	8.0	25.4	1.58
F26	02 May 2018	13	12.10	87.15	6.2	33.55	8.0	25.4	1.36
F26	02 May 2018	14	11.73	87.97	6.0	33.56	8.0	25.5	1.49
F26	02 May 2018	15	11.53	88.73	5.8	33.56	8.0	25.6	0.90
F26	02 May 2018	16	11.48	88.99	5.6	33.56	8.0	25.6	0.81
F26	02 May 2018	17	11.44	89.05	5.6	33.56	8.0	25.6	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F26	02 May 2018	18	11.42	89.19	5.5	33.56	7.9	25.6	0.74
F26	02 May 2018	19	11.29	89.31	5.4	33.57	7.9	25.6	0.72
F26	02 May 2018	20	11.21	89.47	5.3	33.58	7.9	25.6	0.82
F26	02 May 2018	21	11.16	89.54	5.3	33.59	7.9	25.6	0.85
F26	02 May 2018	22	11.10	89.55	5.2	33.59	7.9	25.7	0.67
F26	02 May 2018	23	11.06	89.66	5.1	33.60	7.9	25.7	0.63
F26	02 May 2018	24	11.08	89.71	5.1	33.60	7.9	25.7	0.61
F26	02 May 2018	25	11.04	89.67	5.1	33.60	7.9	25.7	0.61
F26	02 May 2018	26	11.02	89.72	5.0	33.60	7.9	25.7	0.59
F26	02 May 2018	27	10.96	89.80	5.0	33.61	7.9	25.7	0.60
F26	02 May 2018	28	10.95	89.76	5.0	33.61	7.9	25.7	0.56
F26	02 May 2018	29	10.94	89.74	5.0	33.62	7.9	25.7	0.57
F26	02 May 2018	30	10.93	89.79	5.0	33.62	7.9	25.7	0.60
F26	02 May 2018	31	10.92	89.69	5.0	33.62	7.9	25.7	0.64
F26	02 May 2018	32	10.91	89.79	5.0	33.62	7.9	25.7	0.59
F26	02 May 2018	33	10.87	89.78	4.8	33.63	7.9	25.7	0.64
F26	02 May 2018	34	10.84	89.72	4.8	33.63	7.9	25.7	0.65
F26	02 May 2018	35	10.82	89.62	4.7	33.64	7.9	25.7	0.51
F26	02 May 2018	36	10.80	89.72	4.7	33.64	7.9	25.8	0.55
F26	02 May 2018	37	10.79	89.77	4.7	33.64	7.9	25.8	0.58
F26	02 May 2018	38	10.76	89.74	4.6	33.65	7.9	25.8	0.60
F26	02 May 2018	39	10.74	89.71	4.6	33.65	7.9	25.8	0.56
F26	02 May 2018	40	10.74	89.74	4.6	33.65	7.9	25.8	0.52
F26	02 May 2018	41	10.72	89.79	4.6	33.65	7.9	25.8	0.50
F26	02 May 2018	42	10.71	89.78	4.6	33.65	7.9	25.8	0.50
F26	02 May 2018	43	10.63	89.81	4.5	33.67	7.8	25.8	0.49
F26	02 May 2018	44	10.53	89.89	4.4	33.68	7.8	25.8	0.42
F26	02 May 2018	45	10.49	89.97	4.4	33.69	7.8	25.8	0.35
F26	02 May 2018	46	10.42	90.03	4.4	33.70	7.8	25.9	0.34
F26	02 May 2018	47	10.36	89.97	4.4	33.71	7.8	25.9	0.38
F26	02 May 2018	48	10.22	90.08	4.4	33.73	7.8	25.9	0.30
F26	02 May 2018	49	10.13	90.00	4.4	33.74	7.8	25.9	0.27
F26	02 May 2018	50	10.10	89.99	4.4	33.74	7.8	26.0	0.22
F26	02 May 2018	51	10.09	89.90	4.4	33.74	7.8	26.0	0.19
F26	02 May 2018	52	10.09	89.87	4.3	33.74	7.8	26.0	0.17
F26	02 May 2018	53	10.09	89.82	4.3	33.74	7.8	26.0	0.17
F26	02 May 2018	54	10.08	89.79	4.3	33.75	7.8	26.0	0.21
F26	02 May 2018	55	10.04	89.85	4.3	33.76	7.8	26.0	0.17
F26	02 May 2018	56	10.00	89.74	4.2	33.78	7.8	26.0	0.24
F26	02 May 2018	57	10.00	89.21	4.0	33.78	7.8	26.0	0.32
F26	02 May 2018	58	9.99	88.32	3.9	33.78	7.8	26.0	0.22
F26	02 May 2018	59	9.99	88.51	3.9	33.78	7.8	26.0	0.17
F26	02 May 2018	60	9.99	88.34	3.8	33.78	7.8	26.0	0.10
F26	02 May 2018	61	10.00	87.96	3.7	33.79	7.8	26.0	0.08
F26	02 May 2018	62	10.00	87.82	3.6	33.79	7.8	26.0	0.09
F26	02 May 2018	63	10.00	87.96	3.6	33.79	7.8	26.0	0.08
F26	02 May 2018	64	9.98	87.82	3.6	33.80	7.8	26.0	0.07
F26	02 May 2018	65	9.98	87.59	3.6	33.80	7.8	26.0	0.07
F26	02 May 2018	66	9.99	87.67	3.6	33.80	7.8	26.0	0.08
F26	02 May 2018	67	9.97	87.55	3.5	33.80	7.8	26.0	0.05
F26	02 May 2018	68	9.95	87.33	3.5	33.80	7.8	26.0	0.03
F26	02 May 2018	69	9.95	87.77	3.6	33.81	7.8	26.0	0.04
F26	02 May 2018	70	9.96	87.63	3.7	33.81	7.8	26.0	0.05
F26	02 May 2018	71	9.97	88.34	3.7	33.81	7.8	26.0	0.05
F26	02 May 2018	72	9.98	88.51	3.7	33.82	7.8	26.0	0.05

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F26	02 May 2018	73	10.00	89.07	3.7	33.83	7.8	26.0	0.07
F26	02 May 2018	74	10.00	88.84	3.8	33.83	7.8	26.0	0.08
F26	02 May 2018	75	10.00	89.21	3.7	33.84	7.8	26.0	0.10
F26	02 May 2018	76	9.99	89.29	3.7	33.85	7.8	26.1	0.10
F26	02 May 2018	77	9.98	89.14	3.6	33.85	7.8	26.1	0.14
F26	02 May 2018	78	9.98	88.73	3.6	33.86	7.8	26.1	0.15
F26	02 May 2018	79	9.97	88.81	3.6	33.86	7.8	26.1	0.15
F26	02 May 2018	80	9.97	88.65	3.5	33.87	7.8	26.1	0.14
F26	02 May 2018	81	9.92	88.26	3.5	33.89	7.8	26.1	0.11
F26	02 May 2018	82	9.86	87.84	3.3	33.92	7.8	26.1	0.09
F26	02 May 2018	83	9.84	88.14	3.2	33.93	7.8	26.1	0.09
F26	02 May 2018	84	9.84	88.13	3.2	33.94	7.7	26.2	0.11
F26	02 May 2018	85	9.84	88.14	3.2	33.94	7.7	26.1	0.11
F26	02 May 2018	86	9.84	88.13	3.2	33.94	7.7	26.2	0.11
F26	02 May 2018	87	9.83	88.16	3.1	33.95	7.7	26.2	0.10
F26	02 May 2018	88	9.82	88.23	3.1	33.95	7.7	26.2	0.11
F26	02 May 2018	89	9.82	88.19	3.1	33.95	7.7	26.2	0.11
F26	02 May 2018	90	9.81	88.24	3.1	33.95	7.7	26.2	0.12
F26	02 May 2018	91	9.80	88.08	3.1	33.96	7.7	26.2	0.08
F26	02 May 2018	92	9.79	88.31	3.1	33.96	7.7	26.2	0.02
F26	02 May 2018	93	9.78	88.26	3.1	33.97	7.7	26.2	0.00
F26	02 May 2018	94	9.77	88.18	3.1	33.97	7.7	26.2	0.00
F26	02 May 2018	95	9.77	88.14	3.1	33.97	7.7	26.2	0.10
F26	02 May 2018	96	9.77	88.16	3.1	33.97	7.7	26.2	0.13
F26	02 May 2018	97	9.76	88.26	3.1	33.97	7.7	26.2	0.13
F26	02 May 2018	98	9.76	88.17	3.1	33.97	7.7	26.2	0.10
F26	02 May 2018	99	9.72	88.08	3.0	33.98	7.7	26.2	0.09
F26	02 May 2018	100	9.63	88.06	3.0	34.01	7.7	26.2	0.09
F27	02 May 2018	1	15.46	76.32	8.4	33.62	8.2	24.8	0.71
F27	02 May 2018	2	15.42	80.92	8.4	33.62	8.2	24.8	0.79
F27	02 May 2018	3	15.32	81.71	8.4	33.62	8.2	24.8	0.93
F27	02 May 2018	4	15.34	82.02	8.4	33.62	8.2	24.8	1.04
F27	02 May 2018	5	15.26	81.61	8.4	33.62	8.2	24.9	1.26
F27	02 May 2018	6	15.11	81.40	8.0	33.63	8.2	24.9	1.46
F27	02 May 2018	7	13.97	81.43	7.6	33.65	8.2	25.1	1.66
F27	02 May 2018	8	13.58	81.91	7.2	33.57	8.1	25.2	1.75
F27	02 May 2018	9	12.62	84.65	6.7	33.62	8.1	25.4	1.44
F27	02 May 2018	10	11.98	86.27	6.2	33.56	8.0	25.5	1.15
F27	02 May 2018	11	11.78	87.67	6.0	33.55	8.0	25.5	0.97
F27	02 May 2018	12	11.68	88.24	5.9	33.54	8.0	25.5	0.75
F27	02 May 2018	13	11.65	88.55	5.8	33.54	8.0	25.5	0.68
F27	02 May 2018	14	11.60	88.65	5.7	33.55	8.0	25.5	0.71
F27	02 May 2018	15	11.54	88.88	5.7	33.55	8.0	25.5	0.63
F27	02 May 2018	16	11.46	88.90	5.6	33.56	8.0	25.6	0.63
F27	02 May 2018	17	11.31	88.99	5.4	33.56	7.9	25.6	0.57
F27	02 May 2018	18	11.29	89.28	5.4	33.57	7.9	25.6	0.64
F27	02 May 2018	19	11.27	89.24	5.4	33.57	7.9	25.6	0.59
F27	02 May 2018	20	11.25	89.37	5.3	33.57	7.9	25.6	0.54
F27	02 May 2018	21	11.24	89.49	5.3	33.58	7.9	25.6	0.56
F27	02 May 2018	22	11.20	89.51	5.2	33.58	7.9	25.6	0.58
F27	02 May 2018	23	11.13	89.58	5.2	33.59	7.9	25.7	0.60
F27	02 May 2018	24	11.04	89.65	5.1	33.60	7.9	25.7	0.54
F27	02 May 2018	25	11.01	89.48	5.0	33.61	7.9	25.7	0.53
F27	02 May 2018	26	10.93	89.77	5.0	33.62	7.9	25.7	0.49

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F27	02 May 2018	27	10.90	89.81	5.0	33.62	7.9	25.7	0.45
F27	02 May 2018	28	10.88	89.66	4.9	33.62	7.9	25.7	0.52
F27	02 May 2018	29	10.86	89.76	4.9	33.63	7.9	25.7	0.53
F27	02 May 2018	30	10.80	89.88	4.9	33.63	7.9	25.7	0.55
F27	02 May 2018	31	10.78	89.87	4.8	33.64	7.9	25.8	0.52
F27	02 May 2018	32	10.77	89.91	4.8	33.64	7.9	25.8	0.50
F27	02 May 2018	33	10.75	89.86	4.8	33.64	7.9	25.8	0.49
F27	02 May 2018	34	10.72	89.88	4.7	33.65	7.9	25.8	0.49
F27	02 May 2018	35	10.66	89.88	4.6	33.66	7.9	25.8	0.53
F27	02 May 2018	36	10.64	89.93	4.6	33.66	7.9	25.8	0.53
F27	02 May 2018	37	10.63	89.91	4.5	33.66	7.8	25.8	0.56
F27	02 May 2018	38	10.62	89.92	4.5	33.66	7.8	25.8	0.49
F27	02 May 2018	39	10.62	89.87	4.5	33.66	7.8	25.8	0.49
F27	02 May 2018	40	10.62	89.88	4.5	33.66	7.8	25.8	0.47
F27	02 May 2018	41	10.60	89.92	4.4	33.67	7.8	25.8	0.43
F27	02 May 2018	42	10.58	89.91	4.4	33.67	7.8	25.8	0.42
F27	02 May 2018	43	10.53	89.97	4.4	33.68	7.8	25.8	0.40
F27	02 May 2018	44	10.44	90.04	4.3	33.70	7.8	25.9	0.37
F27	02 May 2018	45	10.39	90.11	4.3	33.71	7.8	25.9	0.31
F27	02 May 2018	46	10.36	90.14	4.2	33.71	7.8	25.9	0.30
F27	02 May 2018	47	10.34	90.14	4.2	33.72	7.8	25.9	0.30
F27	02 May 2018	48	10.31	90.16	4.2	33.72	7.8	25.9	0.31
F27	02 May 2018	49	10.30	90.18	4.2	33.72	7.8	25.9	0.24
F27	02 May 2018	50	10.29	90.13	4.2	33.73	7.8	25.9	0.22
F27	02 May 2018	51	10.29	90.16	4.2	33.73	7.8	25.9	0.26
F27	02 May 2018	52	10.26	90.20	4.2	33.73	7.8	25.9	0.23
F27	02 May 2018	53	10.15	90.19	4.2	33.75	7.8	26.0	0.20
F27	02 May 2018	54	10.07	90.15	4.2	33.77	7.8	26.0	0.15
F27	02 May 2018	55	10.02	90.00	4.2	33.77	7.8	26.0	0.12
F27	02 May 2018	56	9.99	89.94	4.1	33.77	7.8	26.0	0.17
F27	02 May 2018	57	9.98	89.14	3.9	33.79	7.8	26.0	0.17
F27	02 May 2018	58	9.96	88.44	3.9	33.80	7.8	26.0	0.16
F27	02 May 2018	59	9.94	89.38	3.9	33.80	7.8	26.0	0.21
F27	02 May 2018	60	9.94	89.42	3.9	33.80	7.8	26.0	0.19
F27	02 May 2018	61	9.95	89.15	3.9	33.81	7.8	26.0	0.20
F27	02 May 2018	62	9.95	88.97	3.8	33.81	7.8	26.0	0.14
F27	02 May 2018	63	9.96	88.55	3.8	33.81	7.8	26.0	0.14
F27	02 May 2018	64	9.96	88.11	3.7	33.81	7.8	26.0	0.16
F27	02 May 2018	65	9.96	88.01	3.6	33.81	7.8	26.0	0.19
F27	02 May 2018	66	9.96	88.00	3.6	33.81	7.8	26.0	0.24
F27	02 May 2018	67	9.97	87.87	3.5	33.82	7.8	26.0	0.19
F27	02 May 2018	68	9.97	87.87	3.5	33.82	7.8	26.0	0.16
F27	02 May 2018	69	9.97	87.93	3.5	33.82	7.8	26.0	0.25
F27	02 May 2018	70	9.97	87.94	3.5	33.82	7.8	26.0	0.14
F27	02 May 2018	71	9.96	88.05	3.6	33.82	7.8	26.0	0.13
F27	02 May 2018	72	9.96	88.02	3.6	33.82	7.8	26.0	0.13
F27	02 May 2018	73	9.96	88.10	3.6	33.82	7.8	26.0	0.11
F27	02 May 2018	74	9.96	88.23	3.6	33.83	7.8	26.0	0.09
F27	02 May 2018	75	9.95	88.74	3.7	33.82	7.8	26.0	0.08
F27	02 May 2018	76	9.95	89.03	3.7	33.82	7.8	26.0	0.13
F27	02 May 2018	77	9.95	88.90	3.7	33.83	7.8	26.0	0.12
F27	02 May 2018	78	9.95	88.95	3.7	33.83	7.8	26.0	0.12
F27	02 May 2018	79	9.96	88.94	3.7	33.83	7.8	26.0	0.11
F27	02 May 2018	80	9.96	88.87	3.7	33.83	7.8	26.0	0.11
F27	02 May 2018	81	9.96	88.89	3.7	33.84	7.8	26.1	0.14

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
F27	02 May 2018	82	9.94	88.89	3.6	33.84	7.8	26.1	0.10
F27	02 May 2018	83	9.92	88.76	3.6	33.85	7.8	26.1	0.13
F27	02 May 2018	84	9.92	88.78	3.6	33.85	7.8	26.1	0.12
F27	02 May 2018	85	9.92	88.82	3.6	33.87	7.8	26.1	0.14
F27	02 May 2018	86	9.92	88.58	3.5	33.88	7.8	26.1	0.12
F27	02 May 2018	87	9.92	88.51	3.5	33.88	7.8	26.1	0.10
F27	02 May 2018	88	9.89	88.47	3.5	33.89	7.8	26.1	0.09
F27	02 May 2018	89	9.86	88.22	3.5	33.90	7.8	26.1	0.08
F27	02 May 2018	90	9.84	88.08	3.5	33.90	7.8	26.1	0.09
F27	02 May 2018	91	9.78	88.14	3.5	33.90	7.8	26.1	0.10
F27	02 May 2018	92	9.75	88.48	3.6	33.90	7.8	26.1	0.10
F27	02 May 2018	93	9.74	88.91	3.5	33.91	7.8	26.1	0.10
F27	02 May 2018	94	9.73	88.85	3.5	33.92	7.8	26.2	0.07
F27	02 May 2018	95	9.72	88.63	3.5	33.93	7.8	26.2	0.04
F27	02 May 2018	96	9.70	88.12	3.4	33.94	7.8	26.2	-0.01
F27	02 May 2018	97	9.70	88.15	3.4	33.95	7.8	26.2	0.14
F27	02 May 2018	98	9.70	88.06	3.3	33.95	7.8	26.2	0.14
F27	02 May 2018	99	9.68	87.84	3.3	33.96	7.8	26.2	0.11
F27	02 May 2018	100	9.68	87.94	3.3	33.96	7.8	26.2	0.12
F28	02 May 2018	1	15.60	82.20	8.5	33.62	8.2	24.8	0.66
F28	02 May 2018	2	15.58	82.00	8.5	33.62	8.2	24.8	0.69
F28	02 May 2018	3	15.58	82.12	8.4	33.62	8.2	24.8	0.69
F28	02 May 2018	4	15.46	82.10	8.5	33.62	8.2	24.8	0.87
F28	02 May 2018	5	15.41	81.67	7.1	33.55	8.2	24.8	0.99
F28	02 May 2018	6	15.35	81.76	8.4	33.62	8.2	24.8	1.19
F28	02 May 2018	7	15.17	81.59	8.2	33.62	8.2	24.9	1.34
F28	02 May 2018	8	14.56	81.59	8.0	33.63	8.2	25.0	1.76
F28	02 May 2018	9	14.03	81.54	7.6	33.62	8.1	25.1	1.83
F28	02 May 2018	10	13.74	82.64	7.1	33.61	8.1	25.2	1.74
F28	02 May 2018	11	12.66	83.41	6.7	33.62	8.1	25.4	1.56
F28	02 May 2018	12	12.00	85.44	6.1	33.59	8.0	25.5	1.21
F28	02 May 2018	13	11.51	87.76	5.7	33.57	8.0	25.6	0.83
F28	02 May 2018	14	11.33	88.62	5.5	33.56	7.9	25.6	0.67
F28	02 May 2018	15	11.29	89.07	5.4	33.55	7.9	25.6	0.61
F28	02 May 2018	16	11.29	88.89	5.4	33.55	7.9	25.6	0.57
F28	02 May 2018	17	11.28	89.13	5.4	33.56	7.9	25.6	0.56
F28	02 May 2018	18	11.27	89.18	5.4	33.56	7.9	25.6	0.58
F28	02 May 2018	19	11.26	89.18	5.3	33.57	7.9	25.6	0.57
F28	02 May 2018	20	11.23	89.11	5.3	33.57	7.9	25.6	0.61
F28	02 May 2018	21	11.13	89.32	5.2	33.59	7.9	25.7	0.64
F28	02 May 2018	22	11.11	89.50	5.2	33.59	7.9	25.7	0.63
F28	02 May 2018	23	11.05	89.57	5.1	33.60	7.9	25.7	0.57
F28	02 May 2018	24	11.01	89.59	5.1	33.60	7.9	25.7	0.51
F28	02 May 2018	25	10.99	89.71	5.1	33.61	7.9	25.7	0.47
F28	02 May 2018	26	10.97	89.77	5.1	33.61	7.9	25.7	0.50
F28	02 May 2018	27	10.94	89.63	5.0	33.62	7.9	25.7	0.48
F28	02 May 2018	28	10.88	89.84	5.0	33.62	7.9	25.7	0.47
F28	02 May 2018	29	10.85	89.87	5.0	33.62	7.9	25.7	0.53
F28	02 May 2018	30	10.81	89.92	4.9	33.63	7.9	25.7	0.44
F28	02 May 2018	31	10.75	90.00	4.9	33.64	7.9	25.8	0.41
F28	02 May 2018	32	10.69	90.02	4.8	33.65	7.9	25.8	0.37
F28	02 May 2018	33	10.61	90.00	4.7	33.66	7.9	25.8	0.48
F28	02 May 2018	34	10.59	90.01	4.6	33.66	7.9	25.8	0.40
F28	02 May 2018	35	10.58	90.01	4.6	33.67	7.9	25.8	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F28	02 May 2018	36	10.57	90.01	4.5	33.67	7.9	25.8	0.38
F28	02 May 2018	37	10.57	89.99	4.5	33.67	7.8	25.8	0.43
F28	02 May 2018	38	10.51	90.03	4.5	33.68	7.8	25.8	0.43
F28	02 May 2018	39	10.48	90.01	4.4	33.69	7.8	25.8	0.41
F28	02 May 2018	40	10.48	90.05	4.3	33.69	7.8	25.8	0.41
F28	02 May 2018	41	10.49	90.04	4.4	33.69	7.8	25.8	0.39
F28	02 May 2018	42	10.48	90.05	4.3	33.69	7.8	25.8	0.38
F28	02 May 2018	43	10.46	90.04	4.3	33.69	7.8	25.9	0.37
F28	02 May 2018	44	10.44	90.06	4.3	33.70	7.8	25.9	0.34
F28	02 May 2018	45	10.42	90.10	4.3	33.70	7.8	25.9	0.31
F28	02 May 2018	46	10.42	90.11	4.3	33.70	7.8	25.9	0.31
F28	02 May 2018	47	10.41	90.11	4.3	33.70	7.8	25.9	0.30
F28	02 May 2018	48	10.40	90.13	4.2	33.70	7.8	25.9	0.29
F28	02 May 2018	49	10.40	90.15	4.2	33.70	7.8	25.9	0.27
F28	02 May 2018	50	10.37	90.17	4.2	33.71	7.8	25.9	0.27
F28	02 May 2018	51	10.35	90.17	4.2	33.71	7.8	25.9	0.25
F28	02 May 2018	52	10.23	90.15	4.2	33.74	7.8	25.9	0.24
F28	02 May 2018	53	10.18	90.25	4.1	33.75	7.8	25.9	0.22
F28	02 May 2018	54	10.14	90.28	4.1	33.75	7.8	26.0	0.20
F28	02 May 2018	55	10.13	90.28	4.1	33.76	7.8	26.0	0.17
F28	02 May 2018	56	10.09	90.22	4.1	33.76	7.8	26.0	0.17
F28	02 May 2018	57	9.99	90.33	4.1	33.78	7.8	26.0	0.15
F28	02 May 2018	58	9.92	90.36	4.2	33.78	7.8	26.0	0.19
F28	02 May 2018	59	9.92	90.38	4.2	33.78	7.8	26.0	0.13
F28	02 May 2018	60	9.91	90.34	4.2	33.78	7.8	26.0	0.13
F28	02 May 2018	61	9.90	90.18	4.2	33.78	7.8	26.0	0.12
F28	02 May 2018	62	9.89	90.12	4.2	33.79	7.8	26.0	0.13
F28	02 May 2018	63	9.89	89.97	4.1	33.79	7.8	26.0	0.12
F28	02 May 2018	64	9.88	89.32	4.0	33.79	7.8	26.0	0.19
F28	02 May 2018	65	9.88	89.13	4.0	33.80	7.8	26.0	0.16
F28	02 May 2018	66	9.89	89.35	4.0	33.79	7.8	26.0	0.15
F28	02 May 2018	67	9.87	89.55	4.0	33.80	7.8	26.0	0.16
F28	02 May 2018	68	9.87	89.62	4.0	33.81	7.8	26.0	0.10
F28	02 May 2018	69	9.87	89.38	4.0	33.80	7.8	26.0	0.07
F28	02 May 2018	70	9.87	89.00	3.9	33.81	7.8	26.0	0.10
F28	02 May 2018	71	9.86	88.88	3.8	33.81	7.8	26.0	0.06
F28	02 May 2018	72	9.83	89.06	3.9	33.81	7.8	26.1	0.08
F28	02 May 2018	73	9.78	89.60	4.0	33.81	7.8	26.1	0.09
F28	02 May 2018	74	9.75	89.91	4.0	33.83	7.8	26.1	0.05
F28	02 May 2018	75	9.73	89.51	4.0	33.83	7.8	26.1	0.05
F28	02 May 2018	76	9.71	89.72	4.0	33.83	7.8	26.1	0.06
F28	02 May 2018	77	9.71	89.70	4.0	33.83	7.8	26.1	0.08
F28	02 May 2018	78	9.71	89.69	4.0	33.83	7.8	26.1	0.07
F28	02 May 2018	79	9.71	89.71	4.0	33.83	7.8	26.1	0.07
F28	02 May 2018	80	9.70	89.69	4.0	33.83	7.8	26.1	0.08
F28	02 May 2018	81	9.69	89.73	4.0	33.83	7.8	26.1	0.07
F28	02 May 2018	82	9.68	89.83	4.1	33.83	7.8	26.1	0.07
F28	02 May 2018	83	9.68	89.95	4.1	33.83	7.8	26.1	0.09
F28	02 May 2018	84	9.68	90.00	4.1	33.83	7.8	26.1	0.08
F28	02 May 2018	85	9.67	89.93	4.1	33.83	7.8	26.1	0.08
F28	02 May 2018	86	9.66	90.09	4.1	33.83	7.8	26.1	0.08
F28	02 May 2018	87	9.66	90.13	4.1	33.83	7.8	26.1	0.07
F28	02 May 2018	88	9.66	90.04	4.1	33.84	7.8	26.1	0.02
F28	02 May 2018	89	9.64	90.02	4.0	33.85	7.8	26.1	0.03
F28	02 May 2018	90	9.64	89.94	4.0	33.85	7.8	26.1	0.02

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F28	02 May 2018	91	9.63	89.88	4.0	33.85	7.8	26.1	-0.02
F28	02 May 2018	92	9.64	89.88	4.0	33.85	7.8	26.1	0.00
F28	02 May 2018	93	9.64	89.82	4.0	33.86	7.8	26.1	-0.02
F28	02 May 2018	94	9.65	89.64	3.8	33.88	7.8	26.1	-0.01
F28	02 May 2018	95	9.64	89.50	3.7	33.93	7.8	26.2	0.08
F28	02 May 2018	96	9.64	89.49	3.5	33.94	7.8	26.2	0.11
F28	02 May 2018	97	9.65	89.33	3.4	33.95	7.8	26.2	0.10
F28	02 May 2018	98	9.65	89.09	3.4	33.95	7.8	26.2	0.10
F28	02 May 2018	99	9.65	88.88	3.4	33.96	7.8	26.2	0.10
F28	02 May 2018	100	9.65	88.87	3.4	33.96	7.8	26.2	0.10
F28	02 May 2018	101	9.64	88.41	3.3	33.97	7.7	26.2	0.10
F29	02 May 2018	1	15.43	68.62	8.4	33.58	8.2	24.8	0.82
F29	02 May 2018	2	15.44	82.04	8.5	33.61	8.2	24.8	0.85
F29	02 May 2018	3	15.43	81.96	8.5	33.62	8.2	24.8	0.87
F29	02 May 2018	4	15.40	81.84	8.5	33.62	8.2	24.8	1.02
F29	02 May 2018	5	15.39	81.66	8.4	33.62	8.2	24.8	1.17
F29	02 May 2018	6	15.36	81.58	8.4	33.62	8.2	24.8	1.36
F29	02 May 2018	7	15.27	81.43	8.3	33.62	8.2	24.9	1.55
F29	02 May 2018	8	14.95	81.17	8.2	33.63	8.2	24.9	1.73
F29	02 May 2018	9	14.69	82.01	8.1	33.61	8.2	25.0	1.89
F29	02 May 2018	10	14.37	82.60	7.6	33.63	8.1	25.1	1.87
F29	02 May 2018	11	13.22	83.98	7.1	33.62	8.1	25.3	1.81
F29	02 May 2018	12	12.84	84.02	6.8	33.61	8.1	25.3	1.75
F29	02 May 2018	13	12.30	84.68	6.5	33.61	8.0	25.5	1.79
F29	02 May 2018	14	11.93	85.56	6.0	33.60	8.0	25.5	2.25
F29	02 May 2018	15	11.66	85.87	5.7	33.60	8.0	25.6	1.84
F29	02 May 2018	16	11.42	86.21	5.4	33.60	7.9	25.6	1.75
F29	02 May 2018	17	11.26	86.88	5.3	33.61	7.9	25.6	1.29
F29	02 May 2018	18	11.22	86.95	5.2	33.61	7.9	25.7	1.25
F29	02 May 2018	19	11.20	87.34	5.1	33.61	7.9	25.7	1.12
F29	02 May 2018	20	11.16	87.55	5.1	33.62	7.9	25.7	1.11
F29	02 May 2018	21	11.15	87.76	5.0	33.62	7.9	25.7	1.10
F29	02 May 2018	22	11.02	88.28	5.0	33.64	7.9	25.7	0.97
F29	02 May 2018	23	10.94	88.66	4.8	33.64	7.9	25.7	0.91
F29	02 May 2018	24	10.90	88.68	4.8	33.65	7.9	25.7	0.86
F29	02 May 2018	25	10.77	89.05	4.7	33.66	7.9	25.8	0.85
F29	02 May 2018	26	10.68	89.26	4.7	33.67	7.9	25.8	0.81
F29	02 May 2018	27	10.67	89.30	4.6	33.67	7.9	25.8	0.68
F29	02 May 2018	28	10.62	89.34	4.6	33.67	7.9	25.8	0.68
F29	02 May 2018	29	10.63	89.33	4.6	33.67	7.9	25.8	0.63
F29	02 May 2018	30	10.57	89.22	4.5	33.68	7.8	25.8	0.64
F29	02 May 2018	31	10.56	89.38	4.5	33.69	7.8	25.8	0.55
F29	02 May 2018	32	10.56	89.33	4.4	33.69	7.8	25.8	0.55
F29	02 May 2018	33	10.55	89.33	4.4	33.70	7.8	25.8	0.48
F29	02 May 2018	34	10.54	89.30	4.3	33.70	7.8	25.8	0.49
F29	02 May 2018	35	10.51	89.32	4.2	33.71	7.8	25.9	0.47
F29	02 May 2018	36	10.44	89.34	4.2	33.72	7.8	25.9	0.45
F29	02 May 2018	37	10.41	89.43	4.2	33.73	7.8	25.9	0.37
F29	02 May 2018	38	10.38	89.55	4.2	33.72	7.8	25.9	0.34
F29	02 May 2018	39	10.31	89.86	4.3	33.72	7.8	25.9	0.32
F29	02 May 2018	40	10.28	89.94	4.3	33.72	7.8	25.9	0.27
F29	02 May 2018	41	10.28	90.00	4.3	33.72	7.8	25.9	0.27
F29	02 May 2018	42	10.27	90.08	4.3	33.72	7.8	25.9	0.24
F29	02 May 2018	43	10.23	90.12	4.3	33.73	7.8	25.9	0.21

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F29	02 May 2018	44	10.21	90.20	4.2	33.74	7.8	25.9	0.18
F29	02 May 2018	45	10.21	90.25	4.2	33.74	7.8	25.9	0.17
F29	02 May 2018	46	10.20	90.27	4.1	33.74	7.8	25.9	0.15
F29	02 May 2018	47	10.19	90.30	4.1	33.75	7.8	25.9	0.12
F29	02 May 2018	48	10.18	90.30	4.1	33.75	7.8	25.9	0.14
F29	02 May 2018	49	10.18	90.27	4.1	33.75	7.8	25.9	0.13
F29	02 May 2018	50	10.16	90.30	4.1	33.75	7.8	25.9	0.16
F29	02 May 2018	51	10.14	90.33	4.1	33.76	7.8	26.0	0.12
F29	02 May 2018	52	10.12	90.33	4.1	33.76	7.8	26.0	0.10
F29	02 May 2018	53	10.07	90.35	4.0	33.77	7.8	26.0	0.09
F29	02 May 2018	54	9.99	90.37	4.0	33.79	7.8	26.0	0.07
F29	02 May 2018	55	9.98	90.41	4.1	33.79	7.8	26.0	0.07
F29	02 May 2018	56	9.92	90.40	4.1	33.79	7.8	26.0	0.04
F29	02 May 2018	57	9.88	90.39	4.2	33.79	7.8	26.0	0.07
F29	02 May 2018	58	9.88	90.39	4.2	33.79	7.8	26.0	0.12
F29	02 May 2018	59	9.86	90.39	4.2	33.79	7.8	26.0	0.13
F29	02 May 2018	60	9.85	90.37	4.2	33.79	7.8	26.0	0.15
F29	02 May 2018	61	9.84	90.37	4.2	33.79	7.8	26.0	0.14
F29	02 May 2018	62	9.84	90.39	4.2	33.79	7.8	26.0	0.14
F29	02 May 2018	63	9.83	90.39	4.2	33.79	7.8	26.0	0.10
F29	02 May 2018	64	9.82	90.39	4.2	33.79	7.8	26.0	0.10
F29	02 May 2018	65	9.81	90.40	4.3	33.79	7.8	26.0	0.06
F29	02 May 2018	66	9.80	90.38	4.3	33.79	7.8	26.0	0.06
F29	02 May 2018	67	9.79	90.33	4.3	33.79	7.8	26.0	0.07
F29	02 May 2018	68	9.79	89.98	4.2	33.80	7.8	26.0	0.06
F29	02 May 2018	69	9.81	89.20	4.0	33.80	7.8	26.1	0.04
F29	02 May 2018	70	9.81	89.07	3.9	33.81	7.8	26.1	0.05
F29	02 May 2018	71	9.81	88.95	3.8	33.81	7.8	26.1	0.04
F29	02 May 2018	72	9.79	88.92	3.8	33.82	7.8	26.1	0.06
F29	02 May 2018	73	9.78	89.07	3.8	33.82	7.8	26.1	0.05
F29	02 May 2018	74	9.78	89.11	3.8	33.82	7.8	26.1	0.04
F29	02 May 2018	75	9.79	88.91	3.8	33.82	7.8	26.1	0.04
F29	02 May 2018	76	9.79	88.99	3.8	33.82	7.8	26.1	0.08
F29	02 May 2018	77	9.79	88.84	3.8	33.82	7.8	26.1	0.09
F29	02 May 2018	78	9.80	88.75	3.7	33.82	7.8	26.1	0.12
F29	02 May 2018	79	9.81	88.40	3.6	33.83	7.8	26.1	0.11
F29	02 May 2018	80	9.81	88.18	3.6	33.83	7.8	26.1	0.12
F29	02 May 2018	81	9.80	88.09	3.6	33.83	7.8	26.1	0.12
F29	02 May 2018	82	9.80	88.00	3.6	33.83	7.8	26.1	0.12
F29	02 May 2018	83	9.80	88.24	3.6	33.83	7.8	26.1	0.12
F29	02 May 2018	84	9.79	88.25	3.6	33.83	7.8	26.1	0.12
F29	02 May 2018	85	9.79	88.41	3.7	33.83	7.8	26.1	0.12
F29	02 May 2018	86	9.79	88.40	3.6	33.84	7.8	26.1	0.11
F29	02 May 2018	87	9.80	88.33	3.6	33.84	7.8	26.1	0.11
F29	02 May 2018	88	9.81	88.19	3.6	33.85	7.8	26.1	0.11
F29	02 May 2018	89	9.76	88.79	3.7	33.86	7.8	26.1	0.12
F29	02 May 2018	90	9.72	88.80	3.7	33.86	7.8	26.1	0.11
F29	02 May 2018	91	9.67	88.95	3.7	33.89	7.8	26.1	0.11
F29	02 May 2018	92	9.69	89.10	3.6	33.88	7.8	26.1	0.11
F29	02 May 2018	93	9.63	89.68	3.6	33.93	7.8	26.2	0.11
F29	02 May 2018	94	9.64	89.76	3.5	33.94	7.8	26.2	0.10
F29	02 May 2018	95	9.65	89.56	3.4	33.95	7.8	26.2	0.07
F29	02 May 2018	96	9.64	89.18	3.3	33.97	7.7	26.2	0.05
F29	02 May 2018	97	9.63	88.91	3.3	33.98	7.7	26.2	0.05
F29	02 May 2018	98	9.63	88.87	3.3	33.98	7.7	26.2	0.06

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F29	02 May 2018	99	9.63	88.75	3.2	33.98	7.7	26.2	0.06
F29	02 May 2018	100	9.63	88.57	3.2	33.98	7.7	26.2	0.06
F29	02 May 2018	101	9.63	88.35	3.2	33.98	7.7	26.2	0.06
F30	02 May 2018	1	15.29	71.92	8.4	33.58	8.2	24.8	0.85
F30	02 May 2018	2	15.29	81.23	8.4	33.61	8.2	24.8	0.86
F30	02 May 2018	3	15.29	81.44	8.4	33.61	8.2	24.8	0.86
F30	02 May 2018	4	15.28	81.39	8.4	33.61	8.2	24.8	0.90
F30	02 May 2018	5	15.27	81.35	7.8	33.58	8.2	24.8	1.01
F30	02 May 2018	6	15.27	81.30	8.4	33.61	8.2	24.8	1.25
F30	02 May 2018	7	15.23	81.18	8.3	33.62	8.2	24.9	1.42
F30	02 May 2018	8	14.88	81.02	8.2	33.65	8.2	25.0	1.75
F30	02 May 2018	9	14.64	81.00	8.1	33.62	8.2	25.0	2.19
F30	02 May 2018	10	14.18	81.84	7.5	33.65	8.1	25.1	2.29
F30	02 May 2018	11	13.14	82.80	7.1	33.68	8.1	25.3	2.05
F30	02 May 2018	12	12.76	83.76	6.8	33.61	8.0	25.4	1.83
F30	02 May 2018	13	12.53	84.77	6.5	33.65	8.0	25.4	1.77
F30	02 May 2018	14	12.06	85.14	6.1	33.62	8.0	25.5	1.90
F30	02 May 2018	15	11.71	85.22	5.8	33.63	8.0	25.6	1.76
F30	02 May 2018	16	11.31	86.09	5.5	33.62	7.9	25.6	1.57
F30	02 May 2018	17	11.47	86.37	5.4	33.59	7.9	25.6	1.55
F30	02 May 2018	18	11.19	87.31	5.3	33.63	7.9	25.7	1.58
F30	02 May 2018	19	10.99	88.05	5.1	33.63	7.9	25.7	1.36
F30	02 May 2018	20	10.99	88.08	5.0	33.63	7.9	25.7	1.07
F30	02 May 2018	21	10.84	88.79	4.9	33.64	7.9	25.7	0.98
F30	02 May 2018	22	10.83	88.77	4.9	33.64	7.9	25.7	0.94
F30	02 May 2018	23	10.85	88.84	4.8	33.64	7.9	25.7	1.10
F30	02 May 2018	24	10.74	89.09	4.8	33.66	7.9	25.8	0.93
F30	02 May 2018	25	10.71	89.26	4.7	33.66	7.9	25.8	0.92
F30	02 May 2018	26	10.72	89.12	4.7	33.66	7.9	25.8	0.80
F30	02 May 2018	27	10.68	89.34	4.7	33.66	7.9	25.8	0.85
F30	02 May 2018	28	10.67	89.33	4.7	33.66	7.9	25.8	0.80
F30	02 May 2018	29	10.64	89.45	4.6	33.67	7.9	25.8	0.66
F30	02 May 2018	30	10.58	89.46	4.6	33.68	7.9	25.8	0.54
F30	02 May 2018	31	10.54	89.55	4.6	33.68	7.9	25.8	0.49
F30	02 May 2018	32	10.49	89.68	4.5	33.69	7.8	25.8	0.44
F30	02 May 2018	33	10.45	89.73	4.5	33.70	7.8	25.9	0.42
F30	02 May 2018	34	10.44	89.79	4.4	33.70	7.8	25.9	0.44
F30	02 May 2018	35	10.43	89.69	4.4	33.70	7.8	25.9	0.40
F30	02 May 2018	36	10.40	89.89	4.4	33.70	7.8	25.9	0.39
F30	02 May 2018	37	10.40	89.93	4.4	33.70	7.8	25.9	0.35
F30	02 May 2018	38	10.39	89.95	4.4	33.70	7.8	25.9	0.33
F30	02 May 2018	39	10.38	89.94	4.4	33.70	7.8	25.9	0.31
F30	02 May 2018	40	10.38	89.75	4.4	33.70	7.8	25.9	0.29
F30	02 May 2018	41	10.37	89.90	4.4	33.71	7.8	25.9	0.28
F30	02 May 2018	42	10.35	89.87	4.3	33.71	7.8	25.9	0.25
F30	02 May 2018	43	10.34	89.81	4.3	33.72	7.8	25.9	0.25
F30	02 May 2018	44	10.27	89.84	4.2	33.73	7.8	25.9	0.22
F30	02 May 2018	45	10.13	89.91	4.2	33.76	7.8	26.0	0.17
F30	02 May 2018	46	10.13	89.97	4.2	33.76	7.8	26.0	0.13
F30	02 May 2018	47	10.11	90.06	4.1	33.76	7.8	26.0	0.11
F30	02 May 2018	48	10.04	90.22	4.1	33.77	7.8	26.0	0.08
F30	02 May 2018	49	10.03	90.26	4.1	33.77	7.8	26.0	0.07
F30	02 May 2018	50	10.03	90.29	4.1	33.77	7.8	26.0	0.08
F30	02 May 2018	51	10.02	90.22	4.1	33.77	7.8	26.0	0.07

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F30	02 May 2018	52	10.00	90.16	4.1	33.77	7.8	26.0	0.06
F30	02 May 2018	53	9.98	90.05	4.1	33.77	7.8	26.0	0.08
F30	02 May 2018	54	9.98	90.03	4.1	33.77	7.8	26.0	0.09
F30	02 May 2018	55	9.95	89.68	4.1	33.77	7.8	26.0	0.11
F30	02 May 2018	56	9.91	89.04	4.0	33.77	7.8	26.0	0.07
F30	02 May 2018	57	9.90	88.98	4.0	33.77	7.8	26.0	0.08
F30	02 May 2018	58	9.90	89.09	4.0	33.77	7.8	26.0	0.14
F30	02 May 2018	59	9.89	88.60	4.0	33.77	7.8	26.0	0.13
F30	02 May 2018	60	9.89	88.41	4.0	33.78	7.8	26.0	0.18
F30	02 May 2018	61	9.90	88.61	4.1	33.78	7.8	26.0	0.17
F30	02 May 2018	62	9.90	88.79	4.1	33.78	7.8	26.0	0.17
F30	02 May 2018	63	9.89	89.47	4.1	33.79	7.8	26.0	0.18
F30	02 May 2018	64	9.89	89.73	4.1	33.79	7.8	26.0	0.18
F30	02 May 2018	65	9.88	89.80	4.1	33.79	7.8	26.0	0.18
F30	02 May 2018	66	9.87	89.60	4.0	33.79	7.8	26.0	0.17
F30	02 May 2018	67	9.87	89.47	4.0	33.79	7.8	26.0	0.18
F30	02 May 2018	68	9.87	89.37	4.0	33.79	7.8	26.0	0.17
F30	02 May 2018	69	9.85	89.16	4.0	33.79	7.8	26.0	0.16
F30	02 May 2018	70	9.83	89.18	4.0	33.80	7.8	26.0	0.08
F30	02 May 2018	71	9.84	89.23	4.0	33.79	7.8	26.0	0.07
F30	02 May 2018	72	9.82	89.15	3.9	33.80	7.8	26.0	0.05
F30	02 May 2018	73	9.80	89.03	3.8	33.81	7.8	26.1	0.05
F30	02 May 2018	74	9.80	89.08	3.8	33.81	7.8	26.1	0.06
F30	02 May 2018	75	9.78	88.75	3.8	33.81	7.8	26.1	0.04
F30	02 May 2018	76	9.77	88.47	3.8	33.81	7.8	26.1	0.04
F30	02 May 2018	77	9.76	88.26	3.8	33.81	7.8	26.1	0.07
F30	02 May 2018	78	9.77	88.30	3.8	33.81	7.8	26.1	0.07
F30	02 May 2018	79	9.76	87.86	3.8	33.81	7.8	26.1	0.06
F30	02 May 2018	80	9.76	87.96	3.7	33.81	7.8	26.1	0.08
F30	02 May 2018	81	9.76	87.96	3.8	33.81	7.8	26.1	0.09
F30	02 May 2018	82	9.76	87.92	3.8	33.81	7.8	26.1	0.07
F30	02 May 2018	83	9.75	87.78	3.7	33.81	7.8	26.1	-0.01
F30	02 May 2018	84	9.74	87.76	3.7	33.81	7.8	26.1	0.00
F30	02 May 2018	85	9.74	87.77	3.7	33.81	7.8	26.1	0.00
F30	02 May 2018	86	9.73	87.60	3.7	33.82	7.8	26.1	0.00
F30	02 May 2018	87	9.72	87.67	3.7	33.82	7.8	26.1	-0.01
F30	02 May 2018	88	9.67	87.84	3.8	33.84	7.8	26.1	0.00
F30	02 May 2018	89	9.61	88.86	3.9	33.85	7.8	26.1	0.00
F30	02 May 2018	90	9.63	89.40	3.9	33.87	7.8	26.1	0.02
F30	02 May 2018	91	9.66	89.47	3.8	33.90	7.8	26.1	0.01
F30	02 May 2018	92	9.66	89.67	3.6	33.91	7.8	26.2	0.01
F30	02 May 2018	93	9.66	89.61	3.5	33.93	7.8	26.2	-0.01
F30	02 May 2018	94	9.66	89.54	3.5	33.94	7.8	26.2	0.00
F30	02 May 2018	95	9.65	89.32	3.4	33.95	7.8	26.2	0.07
F30	02 May 2018	96	9.64	89.16	3.4	33.96	7.8	26.2	0.07
F30	02 May 2018	97	9.63	89.04	3.3	33.97	7.7	26.2	0.08
F30	02 May 2018	98	9.63	88.69	3.3	33.97	7.7	26.2	0.10
F31	02 May 2018	1	15.15	80.69	8.5	33.62	8.2	24.9	1.21
F31	02 May 2018	2	15.15	80.77	8.5	33.62	8.2	24.9	1.34
F31	02 May 2018	3	15.15	80.79	8.5	33.62	8.2	24.9	1.40
F31	02 May 2018	4	15.15	80.77	8.5	33.62	8.2	24.9	1.50
F31	02 May 2018	5	15.14	80.75	8.5	33.62	8.2	24.9	1.66
F31	02 May 2018	6	15.12	80.63	8.4	33.62	8.2	24.9	1.84
F31	02 May 2018	7	14.65	80.82	8.2	33.63	8.2	25.0	2.38

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F31	02 May 2018	8	14.33	81.56	7.8	33.64	8.1	25.1	2.41
F31	02 May 2018	9	13.34	82.96	7.2	33.65	8.1	25.3	2.27
F31	02 May 2018	10	12.80	83.48	6.6	33.62	8.0	25.4	2.42
F31	02 May 2018	11	11.99	84.12	6.1	33.62	8.0	25.5	2.27
F31	02 May 2018	12	11.70	84.89	5.8	33.60	7.9	25.6	2.35
F31	02 May 2018	13	11.50	85.53	5.6	33.60	7.9	25.6	2.25
F31	02 May 2018	14	11.37	86.09	5.4	33.61	7.9	25.6	2.17
F31	02 May 2018	15	11.28	86.95	5.3	33.61	7.9	25.6	1.79
F31	02 May 2018	16	11.23	87.26	5.2	33.62	7.9	25.7	1.75
F31	02 May 2018	17	11.12	87.55	5.0	33.62	7.9	25.7	1.85
F31	02 May 2018	18	11.12	87.87	5.0	33.62	7.9	25.7	1.54
F31	02 May 2018	19	10.95	88.54	4.9	33.63	7.9	25.7	1.24
F31	02 May 2018	20	10.92	88.81	4.8	33.63	7.9	25.7	1.11
F31	02 May 2018	21	10.88	88.88	4.8	33.64	7.9	25.7	1.41
F31	02 May 2018	22	10.82	89.10	4.7	33.65	7.9	25.8	1.01
F31	02 May 2018	23	10.75	89.20	4.7	33.66	7.9	25.8	0.91
F31	02 May 2018	24	10.73	89.25	4.6	33.66	7.9	25.8	0.89
F31	02 May 2018	25	10.66	89.44	4.6	33.67	7.9	25.8	0.84
F31	02 May 2018	26	10.62	89.50	4.5	33.68	7.8	25.8	0.77
F31	02 May 2018	27	10.60	89.56	4.5	33.68	7.8	25.8	0.70
F31	02 May 2018	28	10.60	89.58	4.5	33.68	7.8	25.8	0.68
F31	02 May 2018	29	10.58	89.61	4.5	33.68	7.8	25.8	0.66
F31	02 May 2018	30	10.57	89.64	4.5	33.68	7.8	25.8	0.65
F31	02 May 2018	31	10.55	89.69	4.5	33.69	7.8	25.8	0.61
F31	02 May 2018	32	10.50	89.76	4.5	33.69	7.8	25.8	0.58
F31	02 May 2018	33	10.47	89.85	4.4	33.70	7.8	25.9	0.52
F31	02 May 2018	34	10.45	89.88	4.4	33.70	7.8	25.9	0.49
F31	02 May 2018	35	10.41	89.79	4.3	33.72	7.8	25.9	0.49
F31	02 May 2018	36	10.40	89.77	4.3	33.72	7.8	25.9	0.51
F31	02 May 2018	37	10.36	89.76	4.2	33.73	7.8	25.9	0.53
F31	02 May 2018	38	10.35	89.71	4.2	33.73	7.8	25.9	0.54
F31	02 May 2018	39	10.33	89.76	4.2	33.74	7.8	25.9	0.53
F31	02 May 2018	40	10.30	89.82	4.1	33.74	7.8	25.9	0.49
F31	02 May 2018	41	10.26	89.90	4.1	33.74	7.8	25.9	0.42
F31	02 May 2018	42	10.24	89.96	4.1	33.74	7.8	25.9	0.36
F31	02 May 2018	43	10.24	89.98	4.2	33.74	7.8	25.9	0.32
F31	02 May 2018	44	10.23	89.99	4.2	33.74	7.8	25.9	0.29
F31	02 May 2018	45	10.22	90.01	4.1	33.75	7.8	25.9	0.30
F31	02 May 2018	46	10.17	90.17	4.2	33.75	7.8	25.9	0.24
F31	02 May 2018	47	10.08	90.28	4.2	33.75	7.8	26.0	0.16
F31	02 May 2018	48	10.05	90.33	4.2	33.76	7.8	26.0	0.14
F31	02 May 2018	49	10.03	90.30	4.2	33.76	7.8	26.0	0.10
F31	02 May 2018	50	10.03	90.32	4.2	33.76	7.8	26.0	0.10
F31	02 May 2018	51	10.01	90.34	4.2	33.76	7.8	26.0	0.08
F31	02 May 2018	52	10.01	90.33	4.2	33.76	7.8	26.0	0.09
F31	02 May 2018	53	10.01	90.15	4.1	33.77	7.8	26.0	0.09
F31	02 May 2018	54	10.00	90.03	4.0	33.78	7.8	26.0	0.10
F31	02 May 2018	55	9.97	89.89	3.9	33.80	7.8	26.0	0.11
F31	02 May 2018	56	9.96	89.99	3.9	33.80	7.8	26.0	0.10
F31	02 May 2018	57	9.95	89.97	3.9	33.81	7.8	26.0	0.13
F31	02 May 2018	58	9.95	90.00	3.9	33.81	7.8	26.0	0.15
F31	02 May 2018	59	9.92	89.98	3.9	33.82	7.8	26.0	0.14
F31	02 May 2018	60	9.92	89.97	3.9	33.81	7.8	26.0	0.15
F31	02 May 2018	61	9.91	89.93	3.9	33.82	7.8	26.0	0.16
F31	02 May 2018	62	9.91	89.94	3.9	33.82	7.8	26.0	0.18

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F31	02 May 2018	63	9.90	89.94	4.0	33.82	7.8	26.0	0.19
F31	02 May 2018	64	9.90	89.95	4.0	33.82	7.8	26.0	0.21
F31	02 May 2018	65	9.90	89.92	4.0	33.82	7.8	26.0	0.21
F31	02 May 2018	66	9.90	89.89	3.9	33.83	7.8	26.1	0.21
F31	02 May 2018	67	9.88	89.99	4.0	33.82	7.8	26.1	0.19
F31	02 May 2018	68	9.81	90.17	4.0	33.82	7.8	26.1	0.19
F31	02 May 2018	69	9.77	90.24	4.2	33.82	7.8	26.1	0.18
F31	02 May 2018	70	9.75	90.30	4.2	33.81	7.8	26.1	0.17
F31	02 May 2018	71	9.74	90.31	4.2	33.81	7.8	26.1	0.16
F31	02 May 2018	72	9.74	90.33	4.2	33.81	7.8	26.1	0.16
F31	02 May 2018	73	9.71	90.32	4.2	33.82	7.8	26.1	0.16
F31	02 May 2018	74	9.67	90.40	4.2	33.82	7.8	26.1	0.15
F31	02 May 2018	75	9.65	90.42	4.2	33.82	7.8	26.1	0.13
F31	02 May 2018	76	9.64	90.45	4.2	33.82	7.8	26.1	0.13
F31	02 May 2018	77	9.64	90.42	4.2	33.82	7.8	26.1	0.13
F31	02 May 2018	78	9.65	90.39	4.2	33.83	7.8	26.1	0.11
F31	02 May 2018	79	9.63	90.38	4.2	33.83	7.8	26.1	0.14
F31	02 May 2018	80	9.57	90.44	4.2	33.84	7.8	26.1	0.14
F31	02 May 2018	81	9.55	90.38	4.2	33.84	7.8	26.1	0.14
F31	02 May 2018	82	9.54	90.40	4.2	33.85	7.8	26.1	0.13
F31	02 May 2018	83	9.55	90.36	4.1	33.86	7.8	26.1	0.12
F31	02 May 2018	84	9.60	90.28	4.0	33.87	7.8	26.1	0.13
F31	02 May 2018	85	9.62	90.13	3.9	33.89	7.8	26.1	0.14
F31	02 May 2018	86	9.70	89.93	3.7	33.91	7.8	26.2	0.12
F31	02 May 2018	87	9.70	89.96	3.6	33.92	7.8	26.2	0.10
F31	02 May 2018	88	9.69	89.98	3.6	33.92	7.8	26.2	0.09
F31	02 May 2018	89	9.68	89.97	3.6	33.92	7.8	26.2	0.08
F31	02 May 2018	90	9.67	89.98	3.6	33.93	7.8	26.2	0.07
F31	02 May 2018	91	9.67	89.88	3.5	33.94	7.8	26.2	0.07
F31	02 May 2018	92	9.67	89.85	3.4	33.94	7.8	26.2	0.10
F31	02 May 2018	93	9.67	89.82	3.5	33.94	7.7	26.2	0.08
F31	02 May 2018	94	9.66	89.65	3.4	33.95	7.7	26.2	0.04
F31	02 May 2018	95	9.66	89.48	3.4	33.95	7.7	26.2	0.07
F31	02 May 2018	96	9.65	89.46	3.3	33.96	7.7	26.2	0.12
F31	02 May 2018	97	9.64	89.33	3.3	33.97	7.7	26.2	0.10
F31	02 May 2018	98	9.63	88.96	3.3	33.97	7.7	26.2	0.07
F31	02 May 2018	99	9.62	87.79	3.3	33.97	7.7	26.2	0.07
F32	02 May 2018	1	15.08	78.80	8.5	33.62	8.2	24.9	1.04
F32	02 May 2018	2	15.08	80.36	8.5	33.62	8.2	24.9	1.01
F32	02 May 2018	3	15.07	80.53	8.5	33.62	8.2	24.9	1.01
F32	02 May 2018	4	15.07	80.54	8.5	33.63	8.2	24.9	1.07
F32	02 May 2018	5	15.06	80.39	7.7	33.56	8.2	24.9	1.52
F32	02 May 2018	6	15.06	80.43	8.5	33.62	8.2	24.9	1.37
F32	02 May 2018	7	15.06	80.45	8.3	33.63	8.2	24.9	1.52
F32	02 May 2018	8	14.36	80.68	7.8	33.71	8.2	25.1	1.67
F32	02 May 2018	9	13.40	82.16	7.4	33.64	8.1	25.3	2.02
F32	02 May 2018	10	12.73	83.06	6.9	33.68	8.0	25.4	2.12
F32	02 May 2018	11	12.41	84.11	6.6	33.63	8.0	25.4	1.86
F32	02 May 2018	12	12.28	84.37	6.4	33.63	8.0	25.5	1.62
F32	02 May 2018	13	12.00	84.79	6.2	33.63	8.0	25.5	1.44
F32	02 May 2018	14	11.94	85.08	6.0	33.62	8.0	25.5	1.40
F32	02 May 2018	15	11.66	85.97	5.7	33.64	7.9	25.6	1.30
F32	02 May 2018	16	11.37	86.62	5.4	33.64	7.9	25.6	1.26
F32	02 May 2018	17	11.14	87.09	5.1	33.63	7.9	25.7	1.49

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F32	02 May 2018	18	10.96	88.24	5.0	33.63	7.9	25.7	1.27
F32	02 May 2018	19	10.90	88.74	4.9	33.64	7.9	25.7	1.13
F32	02 May 2018	20	10.79	89.02	4.8	33.65	7.9	25.8	1.08
F32	02 May 2018	21	10.75	89.14	4.7	33.65	7.9	25.8	0.94
F32	02 May 2018	22	10.73	89.18	4.7	33.66	7.9	25.8	0.89
F32	02 May 2018	23	10.72	89.22	4.7	33.66	7.9	25.8	0.79
F32	02 May 2018	24	10.68	89.30	4.6	33.67	7.9	25.8	0.79
F32	02 May 2018	25	10.67	89.34	4.6	33.67	7.9	25.8	0.76
F32	02 May 2018	26	10.62	89.45	4.6	33.68	7.9	25.8	0.72
F32	02 May 2018	27	10.61	89.48	4.5	33.68	7.8	25.8	0.69
F32	02 May 2018	28	10.61	89.45	4.5	33.68	7.8	25.8	0.68
F32	02 May 2018	29	10.58	89.55	4.5	33.69	7.8	25.8	0.67
F32	02 May 2018	30	10.54	89.59	4.5	33.69	7.8	25.8	0.84
F32	02 May 2018	31	10.52	89.67	4.5	33.69	7.8	25.8	0.60
F32	02 May 2018	32	10.50	89.72	4.5	33.70	7.8	25.8	0.60
F32	02 May 2018	33	10.42	89.78	4.4	33.71	7.8	25.9	0.55
F32	02 May 2018	34	10.38	89.86	4.4	33.71	7.8	25.9	0.48
F32	02 May 2018	35	10.37	89.88	4.4	33.71	7.8	25.9	0.45
F32	02 May 2018	36	10.37	89.91	4.4	33.71	7.8	25.9	0.44
F32	02 May 2018	37	10.37	89.93	4.4	33.71	7.8	25.9	0.43
F32	02 May 2018	38	10.36	89.94	4.4	33.71	7.8	25.9	0.43
F32	02 May 2018	39	10.35	89.95	4.3	33.72	7.8	25.9	0.43
F32	02 May 2018	40	10.35	89.91	4.3	33.72	7.8	25.9	0.44
F32	02 May 2018	41	10.33	89.84	4.2	33.74	7.8	25.9	0.47
F32	02 May 2018	42	10.30	89.82	4.1	33.75	7.8	25.9	0.48
F32	02 May 2018	43	10.22	89.86	4.1	33.76	7.8	25.9	0.43
F32	02 May 2018	44	10.11	90.21	4.2	33.76	7.8	26.0	0.34
F32	02 May 2018	45	10.10	90.29	4.2	33.76	7.8	26.0	0.27
F32	02 May 2018	46	10.08	90.28	4.2	33.76	7.8	26.0	0.23
F32	02 May 2018	47	10.07	90.23	4.1	33.76	7.8	26.0	0.24
F32	02 May 2018	48	10.06	90.23	4.1	33.77	7.8	26.0	0.23
F32	02 May 2018	49	10.04	90.26	4.0	33.78	7.8	26.0	0.22
F32	02 May 2018	50	10.03	90.25	4.0	33.78	7.8	26.0	0.21
F32	02 May 2018	51	9.98	90.23	4.0	33.79	7.8	26.0	0.19
F32	02 May 2018	52	9.97	90.23	4.0	33.79	7.8	26.0	0.19
F32	02 May 2018	53	9.97	90.21	4.0	33.79	7.8	26.0	0.19
F32	02 May 2018	54	9.97	90.14	3.9	33.79	7.8	26.0	0.19
F32	02 May 2018	55	9.96	89.72	3.9	33.80	7.8	26.0	0.19
F32	02 May 2018	56	9.96	90.19	3.9	33.80	7.8	26.0	0.20
F32	02 May 2018	57	9.94	90.05	3.9	33.81	7.8	26.0	0.14
F32	02 May 2018	58	9.94	90.16	3.9	33.81	7.8	26.0	0.11
F32	02 May 2018	59	9.94	90.17	3.8	33.81	7.8	26.0	0.14
F32	02 May 2018	60	9.93	90.08	3.8	33.82	7.8	26.0	0.12
F32	02 May 2018	61	9.92	90.00	3.8	33.83	7.8	26.1	0.11
F32	02 May 2018	62	9.92	89.96	3.8	33.84	7.8	26.1	0.11
F32	02 May 2018	63	9.92	89.84	3.8	33.84	7.8	26.1	0.12
F32	02 May 2018	64	9.92	89.78	3.8	33.85	7.8	26.1	0.12
F32	02 May 2018	65	9.92	89.42	3.7	33.85	7.8	26.1	0.15
F32	02 May 2018	66	9.92	89.76	3.8	33.85	7.8	26.1	0.14
F32	02 May 2018	67	9.92	89.74	3.7	33.85	7.8	26.1	0.19
F32	02 May 2018	68	9.92	89.70	3.7	33.86	7.8	26.1	0.19
F32	02 May 2018	69	9.93	89.67	3.7	33.86	7.8	26.1	0.19
F32	02 May 2018	70	9.94	89.57	3.6	33.88	7.8	26.1	0.18
F32	02 May 2018	71	9.91	89.56	3.6	33.88	7.8	26.1	0.17
F32	02 May 2018	72	9.91	89.61	3.6	33.88	7.8	26.1	0.16

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F32	02 May 2018	73	9.81	88.77	3.7	33.87	7.8	26.1	0.16
F32	02 May 2018	74	9.79	89.90	3.8	33.86	7.8	26.1	0.16
F32	02 May 2018	75	9.77	89.92	3.8	33.86	7.8	26.1	0.15
F32	02 May 2018	76	9.80	89.80	3.8	33.87	7.8	26.1	0.16
F32	02 May 2018	77	9.81	89.66	3.7	33.87	7.8	26.1	0.13
F32	02 May 2018	78	9.87	89.59	3.6	33.90	7.8	26.1	0.12
F32	02 May 2018	79	9.80	89.35	3.5	33.91	7.8	26.1	0.12
F32	02 May 2018	80	9.72	89.72	3.7	33.89	7.8	26.1	0.14
F32	02 May 2018	81	9.72	89.82	3.7	33.89	7.8	26.1	0.14
F32	02 May 2018	82	9.67	89.80	3.8	33.89	7.8	26.1	0.13
F32	02 May 2018	83	9.66	89.83	3.8	33.89	7.8	26.1	0.13
F32	02 May 2018	84	9.66	89.91	3.8	33.89	7.8	26.1	0.14
F32	02 May 2018	85	9.64	89.88	3.8	33.89	7.8	26.1	0.14
F32	02 May 2018	86	9.62	90.05	3.8	33.88	7.8	26.1	0.13
F32	02 May 2018	87	9.63	90.07	3.8	33.89	7.8	26.1	0.05
F32	02 May 2018	88	9.63	90.10	3.8	33.89	7.8	26.1	0.02
F32	02 May 2018	89	9.63	90.08	3.7	33.91	7.8	26.2	0.02
F32	02 May 2018	90	9.66	90.03	3.6	33.92	7.8	26.2	0.03
F32	02 May 2018	91	9.70	89.98	3.5	33.94	7.8	26.2	0.02
F32	02 May 2018	92	9.70	89.87	3.4	33.95	7.8	26.2	0.01
F32	02 May 2018	93	9.68	89.88	3.4	33.95	7.8	26.2	0.01
F32	02 May 2018	94	9.67	89.94	3.4	33.96	7.7	26.2	-0.01
F32	02 May 2018	95	9.66	89.94	3.4	33.96	7.7	26.2	0.03
F32	02 May 2018	96	9.66	89.89	3.4	33.96	7.7	26.2	0.06
F32	02 May 2018	97	9.65	89.85	3.3	33.97	7.7	26.2	0.07
F32	02 May 2018	98	9.65	89.86	3.3	33.97	7.7	26.2	0.07
F32	02 May 2018	99	9.63	89.62	3.3	33.98	7.7	26.2	0.06
F32	02 May 2018	100	9.62	89.61	3.3	33.98	7.7	26.2	0.06
F32	02 May 2018	101	9.62	88.77	3.3	33.98	7.7	26.2	0.07
F33	02 May 2018	1	15.07	79.74	8.5	33.63	8.2	24.9	1.47
F33	02 May 2018	2	15.07	80.29	8.5	33.63	8.2	24.9	1.57
F33	02 May 2018	3	15.07	80.31	8.4	33.63	8.2	24.9	1.78
F33	02 May 2018	4	15.06	80.31	8.5	33.64	8.2	24.9	1.90
F33	02 May 2018	5	15.06	80.22	7.3	33.53	8.2	24.8	2.04
F33	02 May 2018	6	14.90	80.89	8.3	33.65	8.2	25.0	2.12
F33	02 May 2018	7	14.62	83.67	8.1	33.64	8.1	25.0	1.97
F33	02 May 2018	8	13.97	84.37	7.7	33.69	8.1	25.2	1.71
F33	02 May 2018	9	13.36	84.21	7.4	33.65	8.1	25.3	1.52
F33	02 May 2018	10	12.47	84.89	6.6	33.67	8.0	25.5	1.41
F33	02 May 2018	11	12.14	85.95	6.0	33.64	8.0	25.5	1.10
F33	02 May 2018	12	11.88	86.19	5.7	33.65	8.0	25.6	0.92
F33	02 May 2018	13	11.52	87.10	5.4	33.62	7.9	25.6	0.97
F33	02 May 2018	14	11.49	87.72	5.2	33.61	7.9	25.6	1.06
F33	02 May 2018	15	11.24	88.12	5.1	33.62	7.9	25.7	1.11
F33	02 May 2018	16	11.10	88.57	5.0	33.63	7.9	25.7	1.15
F33	02 May 2018	17	10.96	89.16	4.9	33.63	7.9	25.7	0.91
F33	02 May 2018	18	10.89	89.46	4.8	33.63	7.9	25.7	0.81
F33	02 May 2018	19	10.81	89.67	4.7	33.64	7.9	25.8	0.70
F33	02 May 2018	20	10.78	89.60	4.6	33.65	7.9	25.8	0.70
F33	02 May 2018	21	10.69	89.84	4.6	33.66	7.9	25.8	1.03
F33	02 May 2018	22	10.65	89.83	4.5	33.67	7.8	25.8	0.61
F33	02 May 2018	23	10.65	89.87	4.5	33.67	7.8	25.8	0.60
F33	02 May 2018	24	10.60	89.89	4.5	33.68	7.8	25.8	0.53
F33	02 May 2018	25	10.43	90.01	4.4	33.71	7.8	25.9	0.52

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F33	02 May 2018	26	10.44	90.02	4.4	33.70	7.8	25.9	0.48
F33	02 May 2018	27	10.41	90.00	4.4	33.71	7.8	25.9	0.46
F33	02 May 2018	28	10.41	89.96	4.4	33.71	7.8	25.9	0.48
F33	02 May 2018	29	10.39	89.95	4.3	33.72	7.8	25.9	0.57
F33	02 May 2018	30	10.37	89.92	4.3	33.72	7.8	25.9	0.50
F33	02 May 2018	31	10.37	89.91	4.3	33.72	7.8	25.9	0.50
F33	02 May 2018	32	10.35	89.92	4.3	33.73	7.8	25.9	0.49
F33	02 May 2018	33	10.33	89.93	4.3	33.73	7.8	25.9	0.49
F33	02 May 2018	34	10.33	89.94	4.3	33.73	7.8	25.9	0.48
F33	02 May 2018	35	10.30	89.97	4.3	33.73	7.8	25.9	0.47
F33	02 May 2018	36	10.29	89.95	4.3	33.73	7.8	25.9	0.43
F33	02 May 2018	37	10.29	89.97	4.3	33.73	7.8	25.9	0.43
F33	02 May 2018	38	10.29	90.00	4.3	33.73	7.8	25.9	0.40
F33	02 May 2018	39	10.28	89.97	4.2	33.73	7.8	25.9	0.41
F33	02 May 2018	40	10.28	89.97	4.2	33.73	7.8	25.9	0.40
F33	02 May 2018	41	10.28	89.97	4.2	33.73	7.8	25.9	0.42
F33	02 May 2018	42	10.27	89.98	4.2	33.73	7.8	25.9	0.42
F33	02 May 2018	43	10.26	90.00	4.2	33.74	7.8	25.9	0.37
F33	02 May 2018	44	10.25	89.98	4.2	33.74	7.8	25.9	0.36
F33	02 May 2018	45	10.20	89.98	4.1	33.76	7.8	25.9	0.32
F33	02 May 2018	46	10.18	89.98	4.0	33.77	7.8	26.0	0.29
F33	02 May 2018	47	10.19	89.85	4.0	33.77	7.8	26.0	0.29
F33	02 May 2018	48	10.18	89.90	4.0	33.78	7.8	26.0	0.28
F33	02 May 2018	49	10.16	89.96	4.0	33.78	7.8	26.0	0.27
F33	02 May 2018	50	10.15	89.97	4.0	33.78	7.8	26.0	0.25
F33	02 May 2018	51	10.11	90.00	3.9	33.79	7.8	26.0	0.23
F33	02 May 2018	52	10.07	90.01	3.9	33.79	7.8	26.0	0.19
F33	02 May 2018	53	10.07	90.03	3.8	33.79	7.8	26.0	0.17
F33	02 May 2018	54	10.06	90.05	3.8	33.79	7.8	26.0	0.16
F33	02 May 2018	55	10.02	90.13	3.9	33.80	7.8	26.0	0.15
F33	02 May 2018	56	10.00	90.20	3.9	33.80	7.8	26.0	0.13
F33	02 May 2018	57	9.97	90.19	3.8	33.81	7.8	26.0	0.12
F33	02 May 2018	58	9.96	90.17	3.8	33.82	7.8	26.0	0.12
F33	02 May 2018	59	9.95	90.16	3.8	33.82	7.8	26.0	0.12
F33	02 May 2018	60	9.94	90.13	3.7	33.83	7.8	26.0	0.11
F33	02 May 2018	61	9.93	90.14	3.7	33.83	7.8	26.0	0.10
F33	02 May 2018	62	9.93	90.12	3.7	33.83	7.8	26.1	0.10
F33	02 May 2018	63	9.92	90.12	3.7	33.83	7.8	26.1	0.10
F33	02 May 2018	64	9.90	90.11	3.7	33.84	7.8	26.1	0.09
F33	02 May 2018	65	9.90	90.12	3.7	33.84	7.8	26.1	0.09
F33	02 May 2018	66	9.89	90.11	3.7	33.84	7.8	26.1	0.08
F33	02 May 2018	67	9.89	90.11	3.7	33.85	7.8	26.1	0.09
F33	02 May 2018	68	9.87	90.07	3.7	33.86	7.8	26.1	0.11
F33	02 May 2018	69	9.87	89.89	3.7	33.86	7.8	26.1	0.12
F33	02 May 2018	70	9.87	89.71	3.6	33.88	7.8	26.1	0.14
F33	02 May 2018	71	9.87	89.69	3.6	33.88	7.8	26.1	0.15
F33	02 May 2018	72	9.85	89.75	3.6	33.88	7.8	26.1	0.15
F33	02 May 2018	73	9.85	89.73	3.6	33.88	7.8	26.1	0.15
F33	02 May 2018	74	9.86	89.69	3.6	33.89	7.8	26.1	0.14
F33	02 May 2018	75	9.87	89.49	3.5	33.91	7.8	26.1	0.14
F33	02 May 2018	76	9.87	89.46	3.4	33.92	7.7	26.1	0.09
F33	02 May 2018	77	9.85	89.43	3.3	33.93	7.7	26.1	0.10
F33	02 May 2018	78	9.85	89.48	3.3	33.94	7.7	26.1	0.08
F33	02 May 2018	79	9.82	89.52	3.3	33.94	7.7	26.2	0.09
F33	02 May 2018	80	9.81	89.57	3.3	33.94	7.7	26.2	0.08

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F33	02 May 2018	81	9.79	89.59	3.3	33.94	7.7	26.2	0.08
F33	02 May 2018	82	9.79	89.60	3.3	33.94	7.7	26.2	0.08
F33	02 May 2018	83	9.78	89.51	3.3	33.94	7.7	26.2	0.07
F33	02 May 2018	84	9.78	89.67	3.3	33.94	7.7	26.2	0.07
F33	02 May 2018	85	9.77	89.68	3.3	33.95	7.7	26.2	0.08
F33	02 May 2018	86	9.76	89.71	3.4	33.95	7.7	26.2	0.08
F33	02 May 2018	87	9.73	89.83	3.4	33.95	7.7	26.2	0.07
F33	02 May 2018	88	9.73	89.81	3.3	33.95	7.7	26.2	0.08
F33	02 May 2018	89	9.73	89.82	3.3	33.95	7.7	26.2	0.08
F33	02 May 2018	90	9.68	89.88	3.3	33.96	7.7	26.2	0.07
F33	02 May 2018	91	9.68	89.92	3.3	33.96	7.7	26.2	0.07
F33	02 May 2018	92	9.66	89.91	3.3	33.96	7.7	26.2	0.07
F33	02 May 2018	93	9.65	89.86	3.3	33.97	7.7	26.2	0.08
F33	02 May 2018	94	9.64	89.27	3.3	33.97	7.7	26.2	0.08
F33	02 May 2018	95	9.63	88.84	3.3	33.98	7.7	26.2	0.06
F33	02 May 2018	96	9.60	89.67	3.2	33.99	7.7	26.2	0.03
F33	02 May 2018	97	9.58	89.83	3.2	34.00	7.7	26.2	0.03
F33	02 May 2018	98	9.56	89.24	3.2	34.01	7.7	26.2	0.03
F33	02 May 2018	99	9.55	88.37	3.1	34.01	7.7	26.2	0.04
F33	02 May 2018	100	9.57	88.32	3.1	34.00	7.7	26.2	0.03
F34	02 May 2018	1	14.99	79.61	8.5	33.65	8.2	24.9	1.26
F34	02 May 2018	2	14.99	81.11	8.4	33.65	8.2	24.9	1.33
F34	02 May 2018	3	14.99	81.12	8.5	33.65	8.2	24.9	1.42
F34	02 May 2018	4	14.98	81.08	7.7	33.59	8.2	24.9	1.53
F34	02 May 2018	5	14.99	81.08	8.4	33.65	8.2	24.9	1.72
F34	02 May 2018	6	14.99	81.07	8.4	33.65	8.2	24.9	1.88
F34	02 May 2018	7	14.96	81.28	8.4	33.65	8.2	24.9	1.92
F34	02 May 2018	8	14.52	84.29	7.9	33.67	8.1	25.0	1.70
F34	02 May 2018	9	13.25	84.07	7.2	33.66	8.1	25.3	1.57
F34	02 May 2018	10	12.94	83.68	7.0	33.63	8.0	25.3	1.59
F34	02 May 2018	11	12.80	84.57	6.9	33.64	8.0	25.4	1.53
F34	02 May 2018	12	12.66	84.80	6.8	33.63	8.0	25.4	1.33
F34	02 May 2018	13	12.52	85.05	6.4	33.64	8.0	25.4	1.24
F34	02 May 2018	14	12.08	85.53	6.0	33.65	8.0	25.5	0.99
F34	02 May 2018	15	12.07	86.13	5.7	33.65	8.0	25.5	0.78
F34	02 May 2018	16	11.53	86.70	5.3	33.67	7.9	25.6	0.67
F34	02 May 2018	17	11.38	87.86	5.0	33.65	7.9	25.7	0.71
F34	02 May 2018	18	11.21	88.24	4.9	33.66	7.9	25.7	0.68
F34	02 May 2018	19	11.11	88.21	4.8	33.66	7.9	25.7	0.73
F34	02 May 2018	20	11.07	88.38	4.7	33.67	7.9	25.7	0.70
F34	02 May 2018	21	11.05	88.34	4.6	33.67	7.9	25.7	0.65
F34	02 May 2018	22	10.99	88.36	4.6	33.68	7.9	25.8	0.62
F34	02 May 2018	23	10.92	88.37	4.5	33.68	7.8	25.8	0.65
F34	02 May 2018	24	10.81	88.52	4.5	33.69	7.8	25.8	0.63
F34	02 May 2018	25	10.73	88.73	4.4	33.70	7.8	25.8	0.61
F34	02 May 2018	26	10.66	88.84	4.4	33.70	7.8	25.8	0.58
F34	02 May 2018	27	10.63	88.93	4.3	33.70	7.8	25.8	0.55
F34	02 May 2018	28	10.43	89.14	4.3	33.72	7.8	25.9	0.47
F34	02 May 2018	29	10.50	89.64	4.3	33.71	7.8	25.9	0.44
F34	02 May 2018	30	10.28	90.12	4.3	33.73	7.8	25.9	0.39
F34	02 May 2018	31	10.26	90.04	4.3	33.73	7.8	25.9	0.33
F34	02 May 2018	32	10.25	90.06	4.2	33.74	7.8	25.9	0.33
F34	02 May 2018	33	10.26	90.04	4.2	33.74	7.8	25.9	0.40
F34	02 May 2018	34	10.24	90.04	4.2	33.75	7.8	25.9	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F34	02 May 2018	35	10.23	90.02	4.1	33.76	7.8	25.9	0.38
F34	02 May 2018	36	10.22	90.02	4.1	33.76	7.8	25.9	0.39
F34	02 May 2018	37	10.21	90.05	4.1	33.76	7.8	25.9	0.32
F34	02 May 2018	38	10.21	89.94	4.1	33.76	7.8	25.9	0.32
F34	02 May 2018	39	10.20	89.93	4.1	33.76	7.8	26.0	0.25
F34	02 May 2018	40	10.20	90.02	4.1	33.76	7.8	26.0	0.27
F34	02 May 2018	41	10.19	90.03	4.0	33.77	7.8	26.0	0.24
F34	02 May 2018	42	10.17	90.04	4.1	33.77	7.8	26.0	0.23
F34	02 May 2018	43	10.14	90.08	4.0	33.78	7.8	26.0	0.19
F34	02 May 2018	44	10.13	90.10	4.0	33.78	7.8	26.0	0.18
F34	02 May 2018	45	10.13	89.96	4.0	33.78	7.8	26.0	0.17
F34	02 May 2018	46	10.10	90.08	3.9	33.79	7.8	26.0	0.16
F34	02 May 2018	47	10.08	90.07	3.9	33.80	7.8	26.0	0.13
F34	02 May 2018	48	10.07	90.06	3.8	33.80	7.8	26.0	0.12
F34	02 May 2018	49	10.04	90.06	3.8	33.80	7.8	26.0	0.09
F34	02 May 2018	50	10.03	90.05	3.8	33.80	7.8	26.0	0.08
F34	02 May 2018	51	9.96	90.11	3.8	33.81	7.8	26.0	0.05
F34	02 May 2018	52	9.93	90.21	3.9	33.81	7.8	26.0	0.04
F34	02 May 2018	53	9.93	90.22	3.9	33.81	7.8	26.0	0.02
F34	02 May 2018	54	9.94	90.19	3.8	33.83	7.8	26.0	0.02
F34	02 May 2018	55	9.95	90.15	3.8	33.84	7.8	26.1	0.03
F34	02 May 2018	56	9.96	90.10	3.7	33.85	7.8	26.1	0.03
F34	02 May 2018	57	9.97	90.08	3.6	33.86	7.8	26.1	0.09
F34	02 May 2018	58	9.97	90.04	3.6	33.86	7.8	26.1	0.10
F34	02 May 2018	59	9.96	90.02	3.6	33.87	7.8	26.1	0.10
F34	02 May 2018	60	9.96	90.03	3.6	33.87	7.8	26.1	0.10
F34	02 May 2018	61	9.93	90.04	3.6	33.87	7.8	26.1	0.10
F34	02 May 2018	62	9.89	90.13	3.6	33.87	7.8	26.1	0.09
F34	02 May 2018	63	9.89	90.11	3.6	33.87	7.8	26.1	0.09
F34	02 May 2018	64	9.91	90.04	3.6	33.88	7.8	26.1	0.08
F34	02 May 2018	65	9.89	90.10	3.6	33.88	7.8	26.1	0.08
F34	02 May 2018	66	9.85	90.16	3.6	33.88	7.8	26.1	0.08
F34	02 May 2018	67	9.83	90.16	3.6	33.88	7.8	26.1	0.07
F34	02 May 2018	68	9.83	90.19	3.6	33.88	7.8	26.1	0.07
F34	02 May 2018	69	9.82	90.20	3.6	33.88	7.8	26.1	0.06
F34	02 May 2018	70	9.81	90.24	3.6	33.88	7.8	26.1	0.06
F34	02 May 2018	71	9.81	90.27	3.6	33.88	7.8	26.1	0.06
F34	02 May 2018	72	9.79	90.28	3.6	33.89	7.8	26.1	0.06
F34	02 May 2018	73	9.79	90.29	3.6	33.89	7.8	26.1	0.05
F34	02 May 2018	74	9.78	90.27	3.6	33.89	7.8	26.1	0.06
F34	02 May 2018	75	9.78	90.28	3.6	33.90	7.8	26.1	0.11
F34	02 May 2018	76	9.77	90.25	3.5	33.90	7.8	26.1	0.12
F34	02 May 2018	77	9.77	90.24	3.5	33.90	7.8	26.1	0.12
F34	02 May 2018	78	9.77	90.22	3.5	33.91	7.8	26.1	0.07
F34	02 May 2018	79	9.76	90.21	3.5	33.91	7.8	26.1	0.05
F34	02 May 2018	80	9.74	90.22	3.5	33.92	7.8	26.1	0.04
F34	02 May 2018	81	9.73	90.26	3.5	33.92	7.7	26.2	0.03
F34	02 May 2018	82	9.70	90.27	3.4	33.93	7.7	26.2	0.04
F34	02 May 2018	83	9.72	90.04	3.4	33.94	7.7	26.2	0.04
F34	02 May 2018	84	9.72	89.89	3.4	33.94	7.7	26.2	0.03
F34	02 May 2018	85	9.73	89.81	3.3	33.96	7.7	26.2	0.03
F34	02 May 2018	86	9.71	89.95	3.3	33.96	7.7	26.2	0.03
F34	02 May 2018	87	9.68	89.98	3.3	33.96	7.7	26.2	0.03
F34	02 May 2018	88	9.67	90.00	3.3	33.96	7.7	26.2	0.03
F34	02 May 2018	89	9.67	90.05	3.3	33.96	7.7	26.2	0.06

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F34	02 May 2018	90	9.66	90.07	3.3	33.96	7.7	26.2	0.04
F34	02 May 2018	91	9.66	89.97	3.3	33.96	7.7	26.2	0.04
F34	02 May 2018	92	9.66	89.82	3.3	33.97	7.7	26.2	0.04
F34	02 May 2018	93	9.66	89.81	3.3	33.97	7.7	26.2	0.03
F34	02 May 2018	94	9.65	89.66	3.3	33.97	7.7	26.2	0.02
F34	02 May 2018	95	9.64	89.36	3.3	33.98	7.7	26.2	0.03
F34	02 May 2018	96	9.62	89.04	3.2	33.98	7.7	26.2	0.02
F34	02 May 2018	97	9.62	89.04	3.2	33.98	7.7	26.2	0.04
F34	02 May 2018	98	9.57	89.51	3.2	34.00	7.7	26.2	0.10
F34	02 May 2018	99	9.57	89.07	3.2	34.00	7.7	26.2	0.10
F34	02 May 2018	100	9.57	88.75	3.1	34.00	7.7	26.2	0.08
F35	02 May 2018	1	14.91	82.55	8.3	33.66	8.2	25.0	0.97
F35	02 May 2018	2	14.91	82.34	8.3	33.66	8.2	25.0	1.02
F35	02 May 2018	3	14.91	82.63	8.3	33.66	8.2	25.0	1.13
F35	02 May 2018	4	14.91	82.64	8.3	33.66	8.2	25.0	1.28
F35	02 May 2018	5	14.90	82.48	8.3	33.66	8.2	25.0	1.40
F35	02 May 2018	6	14.90	82.53	8.3	33.66	8.2	25.0	1.40
F35	02 May 2018	7	14.90	82.55	8.3	33.66	8.2	25.0	1.38
F35	02 May 2018	8	14.91	82.59	8.3	33.66	8.2	25.0	1.39
F35	02 May 2018	9	14.91	82.66	8.3	33.66	8.2	25.0	1.46
F35	02 May 2018	10	14.87	82.16	8.1	33.66	8.2	25.0	1.34
F35	02 May 2018	11	14.49	82.47	7.9	33.65	8.1	25.0	1.29
F35	02 May 2018	12	13.68	83.96	7.3	33.69	8.1	25.2	1.29
F35	02 May 2018	13	12.73	84.79	6.8	33.65	8.0	25.4	1.28
F35	02 May 2018	14	12.56	85.33	6.5	33.63	8.0	25.4	1.25
F35	02 May 2018	15	12.37	85.55	6.1	33.64	8.0	25.5	1.10
F35	02 May 2018	16	11.80	86.24	5.5	33.66	7.9	25.6	0.90
F35	02 May 2018	17	11.39	86.91	5.1	33.66	7.9	25.7	0.78
F35	02 May 2018	18	11.49	86.53	4.9	33.64	7.9	25.6	0.80
F35	02 May 2018	19	11.08	87.77	4.8	33.68	7.9	25.7	0.80
F35	02 May 2018	20	11.02	87.99	4.6	33.68	7.8	25.7	0.75
F35	02 May 2018	21	11.00	88.01	4.5	33.68	7.8	25.7	0.77
F35	02 May 2018	22	10.97	88.18	4.5	33.68	7.8	25.8	0.70
F35	02 May 2018	23	10.92	88.22	4.4	33.69	7.8	25.8	0.75
F35	02 May 2018	24	10.77	88.33	4.3	33.70	7.8	25.8	0.76
F35	02 May 2018	25	10.68	88.46	4.2	33.71	7.8	25.8	0.66
F35	02 May 2018	26	10.57	88.62	4.2	33.71	7.8	25.9	0.65
F35	02 May 2018	27	10.58	88.56	4.1	33.71	7.8	25.8	0.51
F35	02 May 2018	28	10.42	88.80	4.1	33.74	7.8	25.9	0.43
F35	02 May 2018	29	10.32	89.27	4.1	33.74	7.8	25.9	0.36
F35	02 May 2018	30	10.31	89.13	4.1	33.74	7.8	25.9	0.34
F35	02 May 2018	31	10.23	89.56	4.1	33.75	7.8	25.9	0.26
F35	02 May 2018	32	10.15	90.02	4.2	33.75	7.8	25.9	0.18
F35	02 May 2018	33	10.17	90.21	4.2	33.75	7.8	25.9	0.15
F35	02 May 2018	34	10.09	90.26	4.2	33.76	7.8	26.0	0.13
F35	02 May 2018	35	10.08	90.25	4.2	33.77	7.8	26.0	0.13
F35	02 May 2018	36	10.09	90.28	4.1	33.77	7.8	26.0	0.12
F35	02 May 2018	37	10.10	90.19	4.1	33.78	7.8	26.0	0.13
F35	02 May 2018	38	10.10	90.18	4.1	33.78	7.8	26.0	0.13
F35	02 May 2018	39	10.09	90.17	4.0	33.79	7.8	26.0	0.17
F35	02 May 2018	40	10.07	90.13	3.9	33.81	7.8	26.0	0.10
F35	02 May 2018	41	10.05	90.11	3.9	33.81	7.8	26.0	0.10
F35	02 May 2018	42	10.05	90.11	3.9	33.81	7.8	26.0	0.10
F35	02 May 2018	43	10.04	90.10	3.9	33.82	7.8	26.0	0.08

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F35	02 May 2018	44	10.00	90.12	3.8	33.82	7.8	26.0	0.07
F35	02 May 2018	45	9.99	90.12	3.8	33.82	7.8	26.0	0.06
F35	02 May 2018	46	9.97	90.14	3.8	33.83	7.8	26.0	0.05
F35	02 May 2018	47	9.97	90.08	3.8	33.83	7.8	26.0	0.05
F35	02 May 2018	48	9.96	90.16	3.8	33.84	7.8	26.0	0.03
F35	02 May 2018	49	9.95	90.18	3.8	33.84	7.8	26.1	0.02
F35	02 May 2018	50	9.96	90.19	3.7	33.85	7.8	26.1	0.01
F35	02 May 2018	51	9.98	90.11	3.7	33.86	7.8	26.1	0.04
F35	02 May 2018	52	9.98	90.08	3.6	33.86	7.8	26.1	0.01
F35	02 May 2018	53	9.99	90.06	3.6	33.86	7.8	26.1	0.02
F35	02 May 2018	54	9.99	90.00	3.6	33.87	7.8	26.1	0.03
F35	02 May 2018	55	9.99	89.97	3.6	33.87	7.8	26.1	0.02
F35	02 May 2018	56	9.99	89.95	3.6	33.87	7.8	26.1	0.11
F35	02 May 2018	57	9.99	89.93	3.5	33.88	7.8	26.1	0.17
F35	02 May 2018	58	9.99	89.90	3.5	33.88	7.8	26.1	0.16
F35	02 May 2018	59	9.99	89.93	3.5	33.88	7.8	26.1	0.14
F35	02 May 2018	60	9.98	89.93	3.5	33.88	7.8	26.1	0.15
F35	02 May 2018	61	9.94	89.98	3.5	33.88	7.8	26.1	0.15
F35	02 May 2018	62	9.92	90.06	3.6	33.87	7.8	26.1	0.07
F35	02 May 2018	63	9.89	90.11	3.6	33.87	7.8	26.1	0.05
F35	02 May 2018	64	9.86	90.13	3.6	33.88	7.8	26.1	0.02
F35	02 May 2018	65	9.82	90.26	3.6	33.88	7.8	26.1	0.02
F35	02 May 2018	66	9.80	90.36	3.6	33.89	7.8	26.1	0.00
F35	02 May 2018	67	9.79	90.38	3.6	33.89	7.8	26.1	0.01
F35	02 May 2018	68	9.79	90.43	3.6	33.89	7.8	26.1	0.00
F35	02 May 2018	69	9.79	90.42	3.6	33.89	7.8	26.1	0.00
F35	02 May 2018	70	9.77	90.43	3.6	33.89	7.8	26.1	-0.01
F35	02 May 2018	71	9.77	90.45	3.6	33.90	7.8	26.1	0.00
F35	02 May 2018	72	9.73	90.45	3.5	33.91	7.8	26.1	-0.01
F35	02 May 2018	73	9.70	90.43	3.5	33.91	7.8	26.2	-0.01
F35	02 May 2018	74	9.68	90.32	3.5	33.92	7.8	26.2	-0.01
F35	02 May 2018	75	9.67	90.45	3.5	33.92	7.8	26.2	-0.01
F35	02 May 2018	76	9.68	90.46	3.5	33.93	7.8	26.2	-0.02
F35	02 May 2018	77	9.67	90.40	3.4	33.94	7.8	26.2	-0.01
F35	02 May 2018	78	9.67	90.43	3.4	33.94	7.7	26.2	0.02
F35	02 May 2018	79	9.67	90.44	3.4	33.94	7.7	26.2	0.01
F35	02 May 2018	80	9.66	90.46	3.4	33.94	7.7	26.2	0.02
F35	02 May 2018	81	9.66	90.45	3.4	33.94	7.7	26.2	0.02
F35	02 May 2018	82	9.65	90.42	3.4	33.94	7.7	26.2	0.02
F35	02 May 2018	83	9.65	90.45	3.4	33.94	7.7	26.2	0.03
F35	02 May 2018	84	9.64	90.45	3.4	33.94	7.7	26.2	0.05
F35	02 May 2018	85	9.64	90.40	3.4	33.94	7.7	26.2	0.03
F35	02 May 2018	86	9.60	90.44	3.4	33.95	7.7	26.2	0.03
F35	02 May 2018	87	9.58	90.36	3.4	33.95	7.7	26.2	0.07
F35	02 May 2018	88	9.58	90.40	3.4	33.95	7.7	26.2	0.06
F35	02 May 2018	89	9.58	90.40	3.4	33.95	7.7	26.2	0.06
F35	02 May 2018	90	9.58	90.35	3.4	33.95	7.7	26.2	0.06
F35	02 May 2018	91	9.58	90.35	3.4	33.95	7.7	26.2	0.06
F35	02 May 2018	92	9.59	90.34	3.4	33.95	7.7	26.2	0.06
F35	02 May 2018	93	9.59	90.31	3.4	33.96	7.7	26.2	0.05
F35	02 May 2018	94	9.60	90.21	3.3	33.96	7.7	26.2	0.05
F35	02 May 2018	95	9.61	89.97	3.3	33.96	7.7	26.2	0.00
F35	02 May 2018	96	9.62	89.78	3.3	33.98	7.7	26.2	-0.01
F35	02 May 2018	97	9.62	89.69	3.3	33.98	7.7	26.2	-0.03
F35	02 May 2018	98	9.62	89.46	3.2	33.98	7.7	26.2	-0.05

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F35	02 May 2018	99	9.61	89.08	3.2	33.98	7.7	26.2	-0.04
F35	02 May 2018	100	9.61	88.64	3.2	33.99	7.7	26.2	-0.06
F35	02 May 2018	101	9.60	88.30	3.2	33.99	7.7	26.2	-0.06
F36	02 May 2018	1	14.70	83.23	8.2	33.65	8.2	25.0	0.83
F36	02 May 2018	2	14.70	83.55	8.2	33.66	8.2	25.0	0.84
F36	02 May 2018	3	14.70	83.88	8.2	33.65	8.2	25.0	0.85
F36	02 May 2018	4	14.70	83.95	8.2	33.65	8.2	25.0	0.89
F36	02 May 2018	5	14.71	83.88	8.2	33.66	8.1	25.0	0.89
F36	02 May 2018	6	14.69	83.99	8.2	33.65	8.2	25.0	0.91
F36	02 May 2018	7	14.69	84.00	8.2	33.65	8.2	25.0	0.94
F36	02 May 2018	8	14.68	83.95	8.1	33.66	8.2	25.0	0.97
F36	02 May 2018	9	14.60	83.81	7.8	33.65	8.1	25.0	0.95
F36	02 May 2018	10	13.50	83.82	7.3	33.69	8.1	25.3	1.15
F36	02 May 2018	11	12.89	83.96	6.9	33.64	8.0	25.4	1.32
F36	02 May 2018	12	12.91	84.14	6.6	33.64	8.0	25.4	1.30
F36	02 May 2018	13	12.25	84.88	6.0	33.65	8.0	25.5	1.09
F36	02 May 2018	14	11.84	85.61	5.5	33.66	7.9	25.6	0.92
F36	02 May 2018	15	11.50	86.58	5.1	33.66	7.9	25.6	0.81
F36	02 May 2018	16	11.23	87.25	4.8	33.67	7.9	25.7	0.80
F36	02 May 2018	17	10.97	87.78	4.5	33.68	7.8	25.8	0.76
F36	02 May 2018	18	10.86	88.00	4.4	33.69	7.8	25.8	0.69
F36	02 May 2018	19	10.81	88.10	4.3	33.69	7.8	25.8	0.65
F36	02 May 2018	20	10.77	88.23	4.3	33.70	7.8	25.8	0.61
F36	02 May 2018	21	10.73	88.25	4.2	33.70	7.8	25.8	0.58
F36	02 May 2018	22	10.58	88.58	4.2	33.72	7.8	25.9	0.52
F36	02 May 2018	23	10.55	88.81	4.1	33.73	7.8	25.9	0.59
F36	02 May 2018	24	10.40	88.97	4.0	33.74	7.8	25.9	0.53
F36	02 May 2018	25	10.33	89.21	4.1	33.74	7.8	25.9	0.46
F36	02 May 2018	26	10.30	89.40	4.1	33.74	7.8	25.9	0.43
F36	02 May 2018	27	10.30	89.51	4.1	33.74	7.8	25.9	0.42
F36	02 May 2018	28	10.27	89.56	4.1	33.74	7.8	25.9	0.39
F36	02 May 2018	29	10.24	89.70	4.1	33.74	7.8	25.9	0.36
F36	02 May 2018	30	10.22	89.88	4.2	33.75	7.8	25.9	0.33
F36	02 May 2018	31	10.13	90.13	4.2	33.76	7.8	26.0	0.29
F36	02 May 2018	32	10.10	90.24	4.2	33.76	7.8	26.0	0.26
F36	02 May 2018	33	10.08	90.25	4.1	33.77	7.8	26.0	0.26
F36	02 May 2018	34	10.07	90.25	4.1	33.78	7.8	26.0	0.20
F36	02 May 2018	35	10.08	90.25	4.1	33.78	7.8	26.0	0.21
F36	02 May 2018	36	10.06	90.18	4.0	33.79	7.8	26.0	0.21
F36	02 May 2018	37	10.03	90.17	4.0	33.80	7.8	26.0	0.19
F36	02 May 2018	38	10.03	90.21	3.9	33.80	7.8	26.0	0.13
F36	02 May 2018	39	10.04	90.18	3.9	33.80	7.8	26.0	0.11
F36	02 May 2018	40	10.03	90.20	3.9	33.81	7.8	26.0	0.11
F36	02 May 2018	41	10.02	90.19	3.9	33.81	7.8	26.0	0.10
F36	02 May 2018	42	9.98	90.24	3.9	33.81	7.8	26.0	0.08
F36	02 May 2018	43	10.00	90.23	3.9	33.81	7.8	26.0	0.06
F36	02 May 2018	44	9.97	90.23	3.8	33.83	7.8	26.0	0.05
F36	02 May 2018	45	9.93	90.18	3.7	33.84	7.8	26.1	0.04
F36	02 May 2018	46	9.93	90.13	3.7	33.84	7.8	26.1	0.02
F36	02 May 2018	47	9.93	90.12	3.7	33.85	7.8	26.1	0.02
F36	02 May 2018	48	9.93	90.09	3.6	33.86	7.8	26.1	0.02
F36	02 May 2018	49	9.93	90.11	3.6	33.85	7.8	26.1	0.00
F36	02 May 2018	50	9.93	90.09	3.6	33.86	7.8	26.1	0.01
F36	02 May 2018	51	9.94	90.03	3.6	33.87	7.8	26.1	0.01

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
F36	02 May 2018	52	9.94	90.04	3.6	33.87	7.8	26.1	0.02
F36	02 May 2018	53	9.94	89.91	3.6	33.87	7.8	26.1	0.01
F36	02 May 2018	54	9.94	89.99	3.6	33.87	7.8	26.1	0.02
F36	02 May 2018	55	9.94	90.02	3.6	33.87	7.8	26.1	0.01
F36	02 May 2018	56	9.93	90.03	3.6	33.87	7.8	26.1	0.00
F36	02 May 2018	57	9.93	90.03	3.6	33.87	7.8	26.1	0.06
F36	02 May 2018	58	9.92	90.03	3.6	33.88	7.8	26.1	0.14
F36	02 May 2018	59	9.91	90.03	3.6	33.87	7.8	26.1	0.16
F36	02 May 2018	60	9.90	90.07	3.6	33.88	7.8	26.1	0.16
F36	02 May 2018	61	9.88	90.09	3.6	33.88	7.8	26.1	0.17
F36	02 May 2018	62	9.86	90.18	3.6	33.88	7.8	26.1	0.15
F36	02 May 2018	63	9.82	90.26	3.6	33.88	7.8	26.1	0.14
F36	02 May 2018	64	9.81	90.38	3.6	33.88	7.8	26.1	0.13
F36	02 May 2018	65	9.78	90.40	3.6	33.89	7.8	26.1	0.12
F36	02 May 2018	66	9.77	90.41	3.6	33.89	7.8	26.1	0.11
F36	02 May 2018	67	9.77	90.42	3.6	33.89	7.8	26.1	0.10
F36	02 May 2018	68	9.74	90.42	3.5	33.90	7.8	26.1	0.10
F36	02 May 2018	69	9.73	90.43	3.5	33.91	7.8	26.1	0.09
F36	02 May 2018	70	9.71	90.44	3.5	33.91	7.8	26.1	0.07
F36	02 May 2018	71	9.69	90.44	3.5	33.91	7.8	26.2	0.00
F36	02 May 2018	72	9.69	90.43	3.5	33.92	7.8	26.2	-0.01
F36	02 May 2018	73	9.69	90.44	3.4	33.93	7.7	26.2	-0.01
F36	02 May 2018	74	9.69	90.42	3.4	33.93	7.7	26.2	0.00
F36	02 May 2018	75	9.69	90.43	3.4	33.93	7.7	26.2	0.00
F36	02 May 2018	76	9.67	90.32	3.4	33.94	7.7	26.2	0.00
F36	02 May 2018	77	9.67	90.42	3.4	33.94	7.7	26.2	0.00
F36	02 May 2018	78	9.67	90.42	3.4	33.94	7.7	26.2	-0.01
F36	02 May 2018	79	9.67	90.45	3.4	33.94	7.7	26.2	-0.01
F36	02 May 2018	80	9.66	90.44	3.4	33.94	7.7	26.2	-0.01
F36	02 May 2018	81	9.66	90.41	3.4	33.94	7.7	26.2	-0.01
F36	02 May 2018	82	9.66	90.44	3.4	33.94	7.7	26.2	-0.01
F36	02 May 2018	83	9.66	90.45	3.4	33.94	7.7	26.2	-0.01
F36	02 May 2018	84	9.65	90.47	3.4	33.94	7.7	26.2	-0.01
F36	02 May 2018	85	9.63	90.43	3.4	33.94	7.7	26.2	-0.01
F36	02 May 2018	86	9.63	90.46	3.4	33.94	7.7	26.2	-0.01
F36	02 May 2018	87	9.63	90.43	3.4	33.95	7.7	26.2	-0.01
F36	02 May 2018	88	9.63	90.45	3.4	33.95	7.7	26.2	-0.01
F36	02 May 2018	89	9.61	90.43	3.4	33.95	7.7	26.2	-0.01
F36	02 May 2018	90	9.60	90.40	3.4	33.95	7.7	26.2	-0.02
F36	02 May 2018	91	9.60	90.23	3.4	33.95	7.7	26.2	-0.02
F36	02 May 2018	92	9.61	90.04	3.4	33.96	7.7	26.2	-0.01
F36	02 May 2018	93	9.62	89.92	3.3	33.96	7.7	26.2	-0.02
F36	02 May 2018	94	9.64	89.62	3.3	33.96	7.7	26.2	-0.01
F36	02 May 2018	95	9.65	89.56	3.3	33.97	7.7	26.2	0.00
F36	02 May 2018	96	9.65	89.50	3.3	33.97	7.7	26.2	0.05
F36	02 May 2018	97	9.64	89.41	3.3	33.97	7.7	26.2	0.08
F36	02 May 2018	98	9.63	89.37	3.3	33.97	7.7	26.2	0.11
F36	02 May 2018	99	9.60	89.57	3.2	33.98	7.7	26.2	0.10
F36	02 May 2018	100	9.57	89.26	3.2	33.99	7.7	26.2	0.10

NA = not available

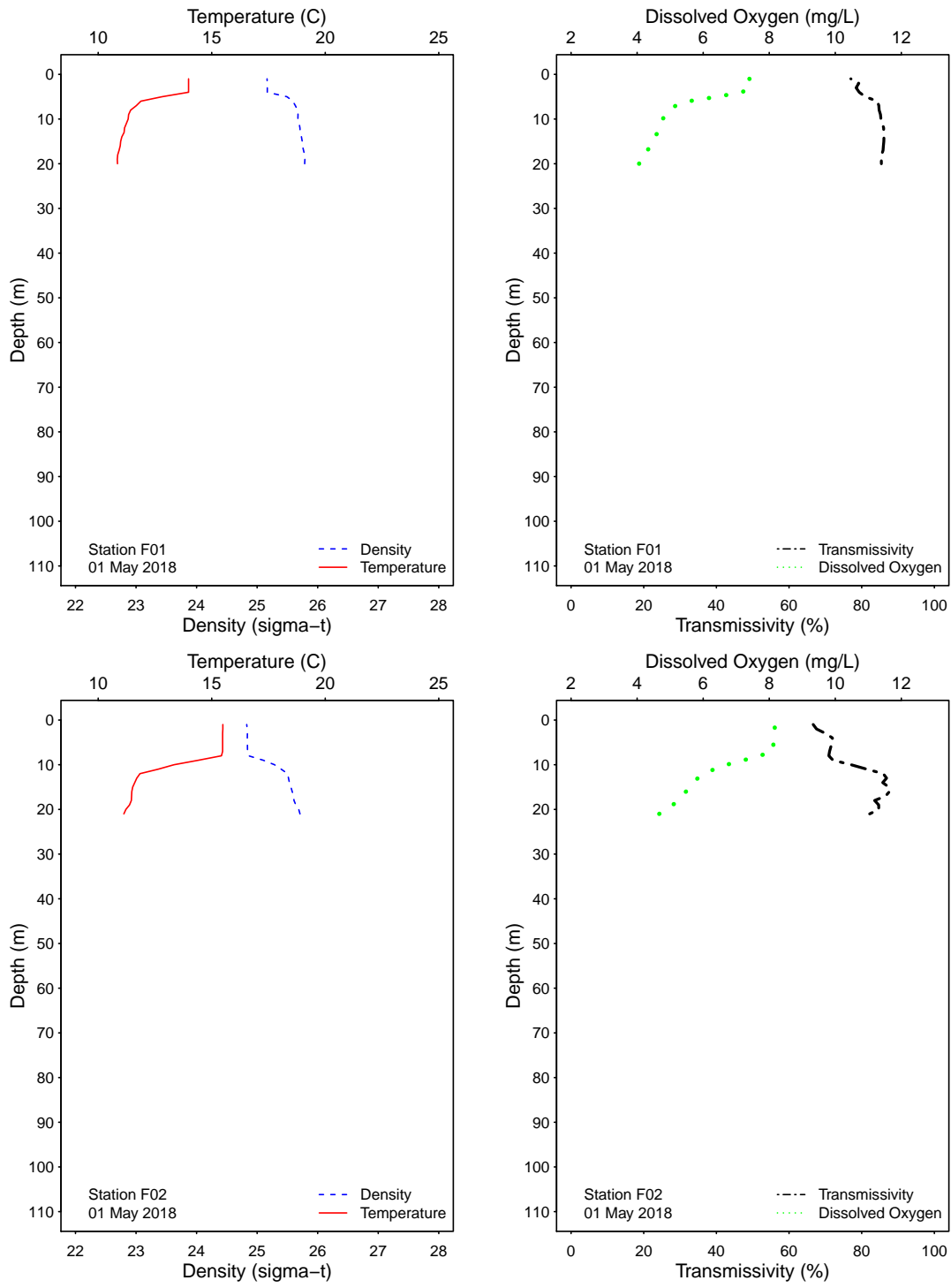


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

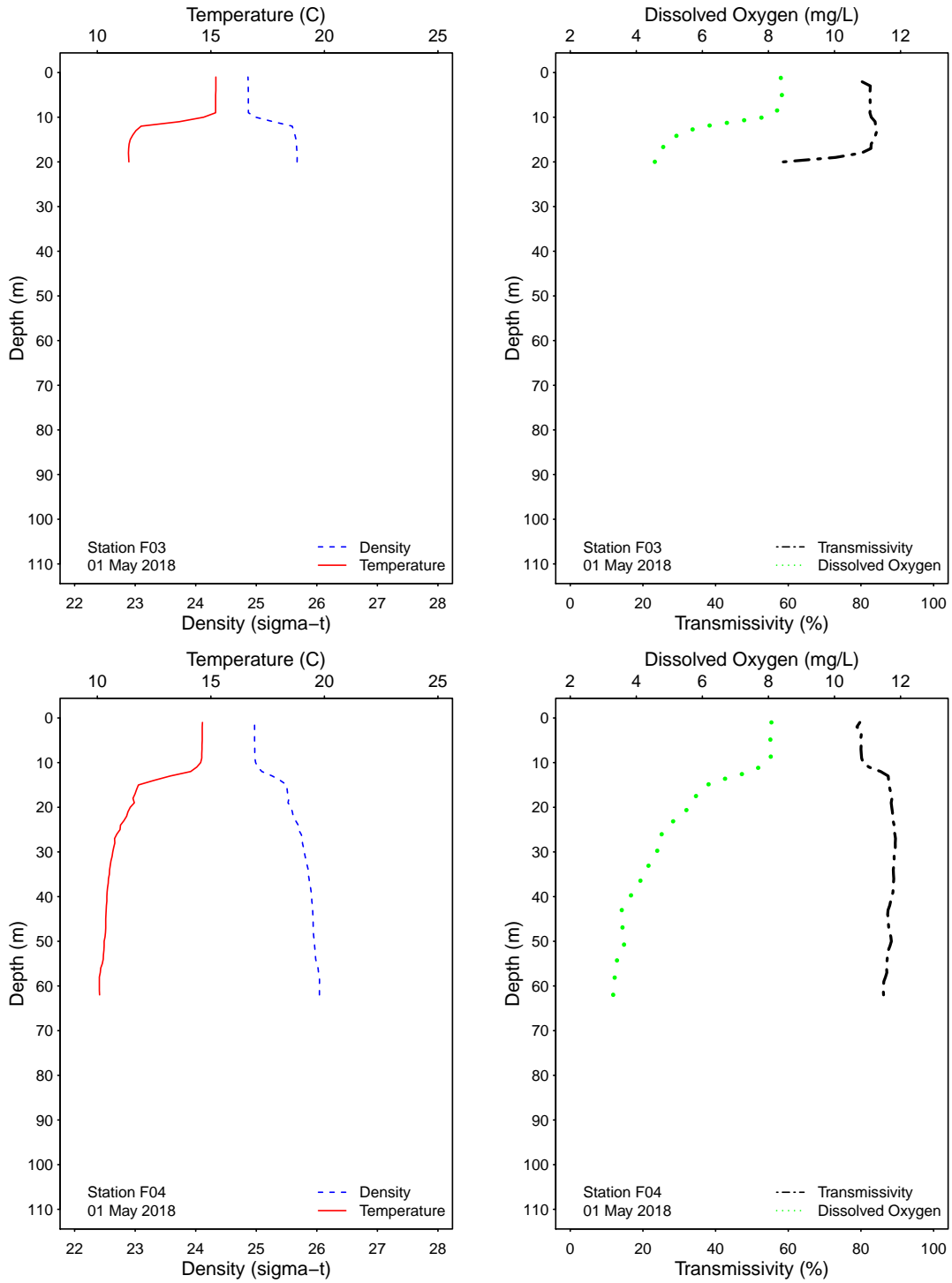


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

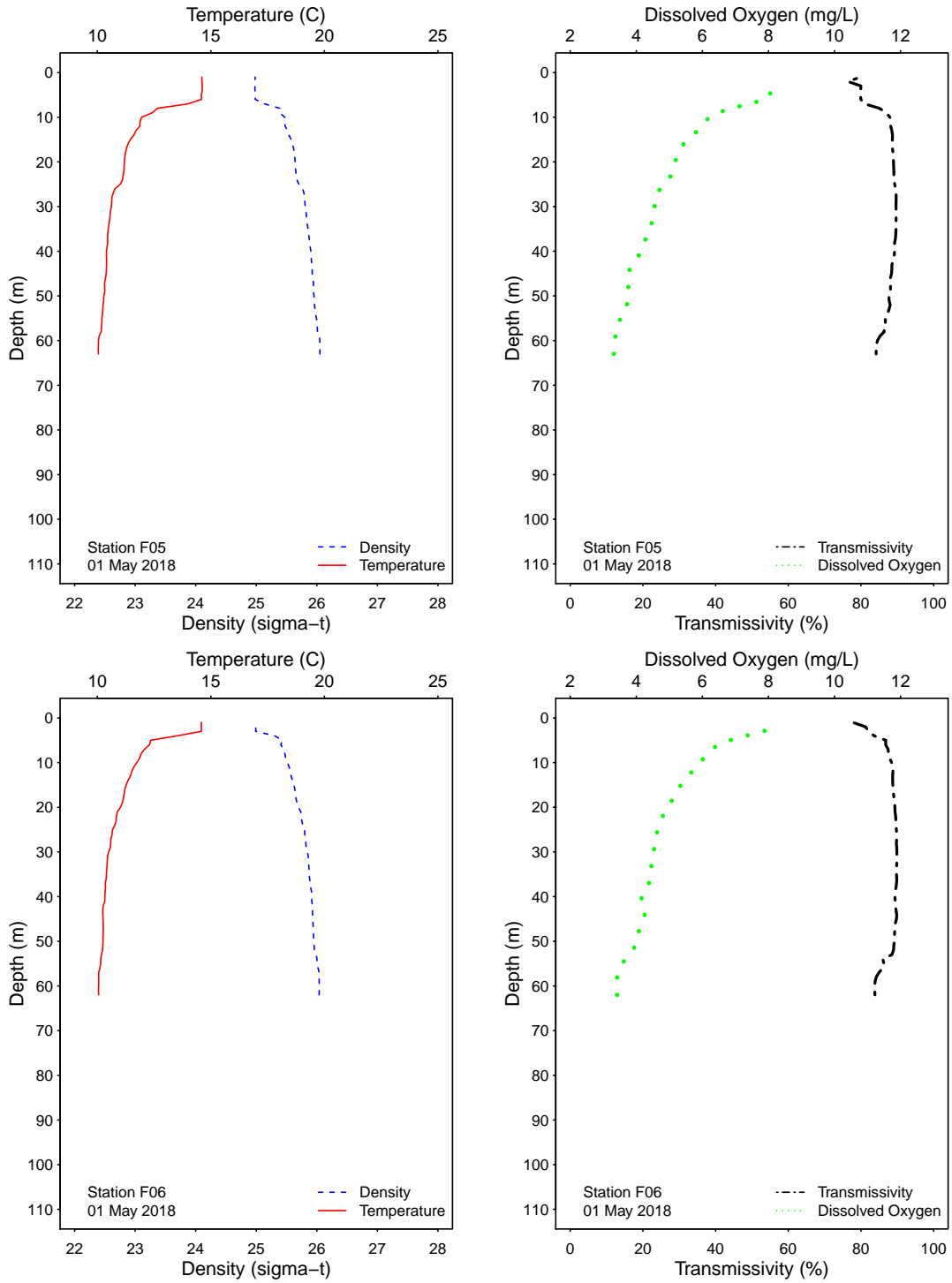


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

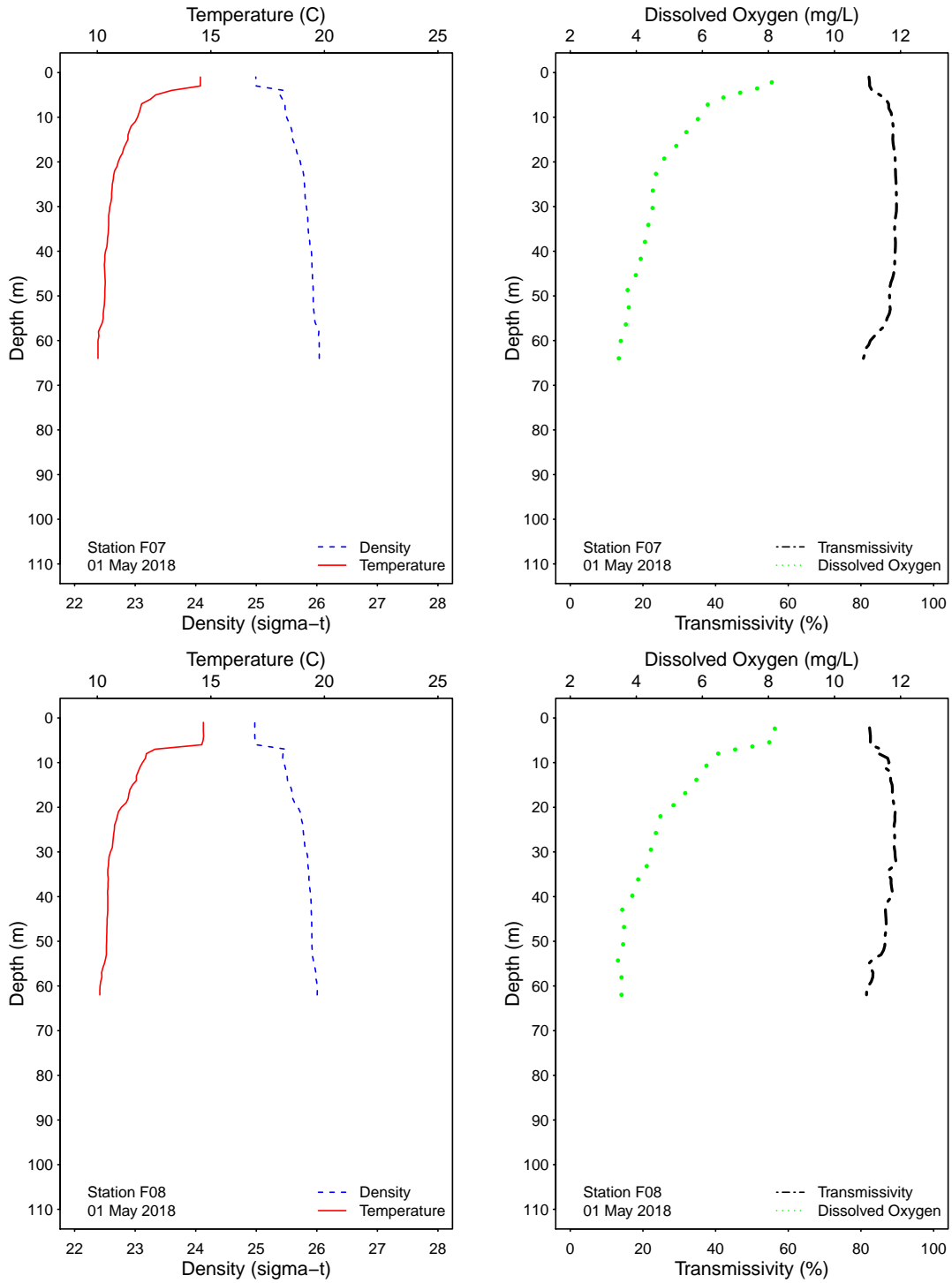


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

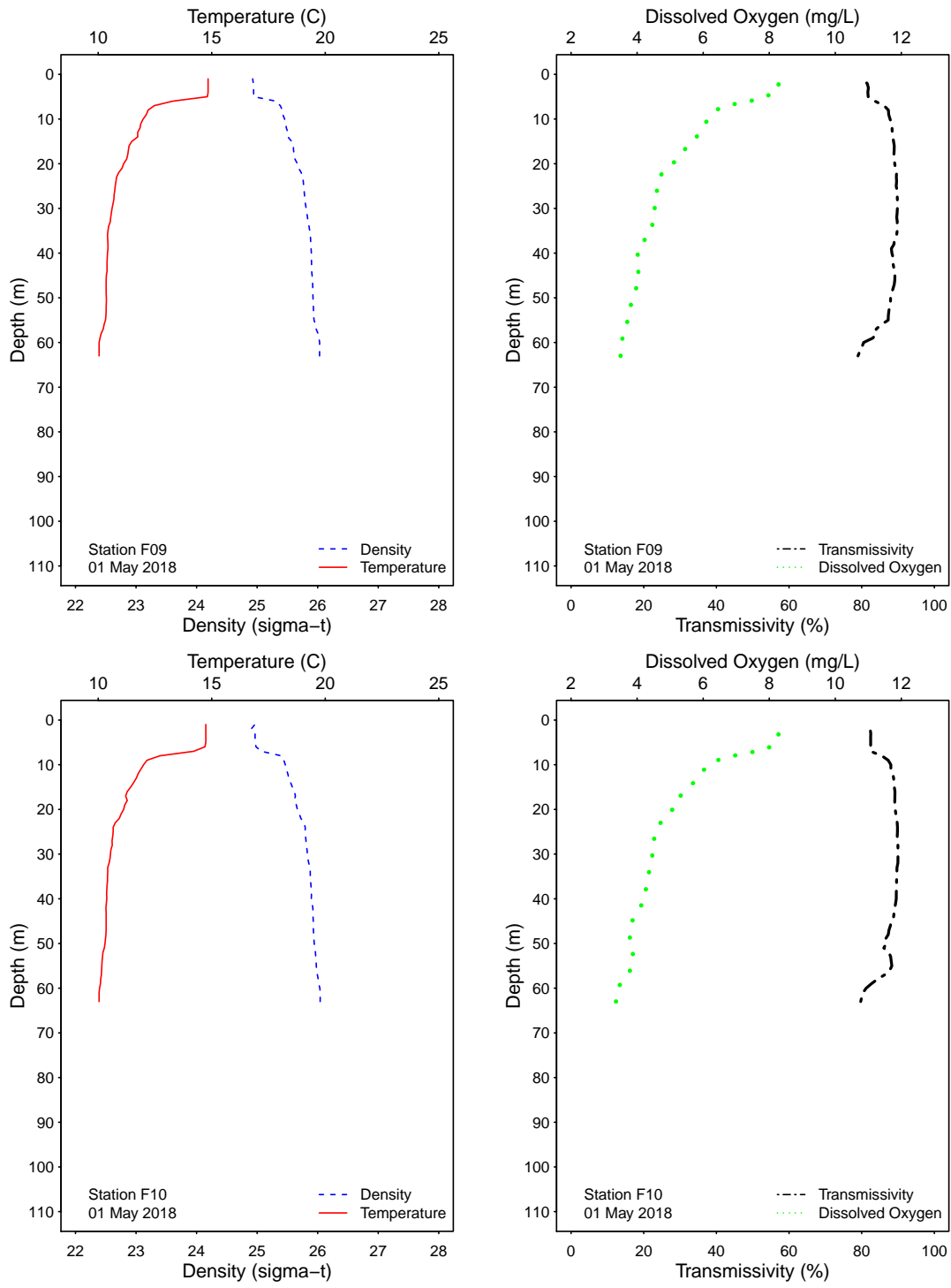


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

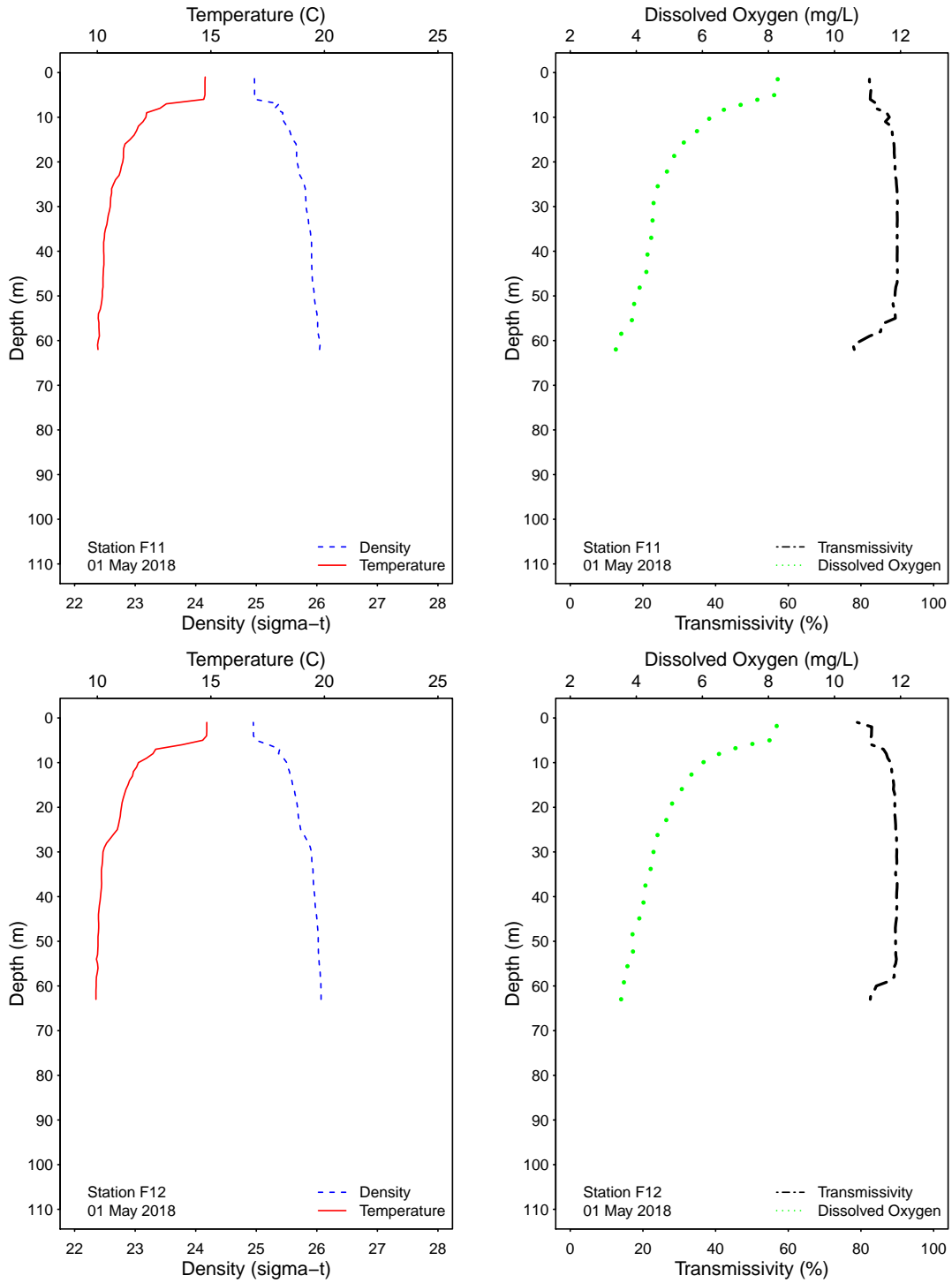


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

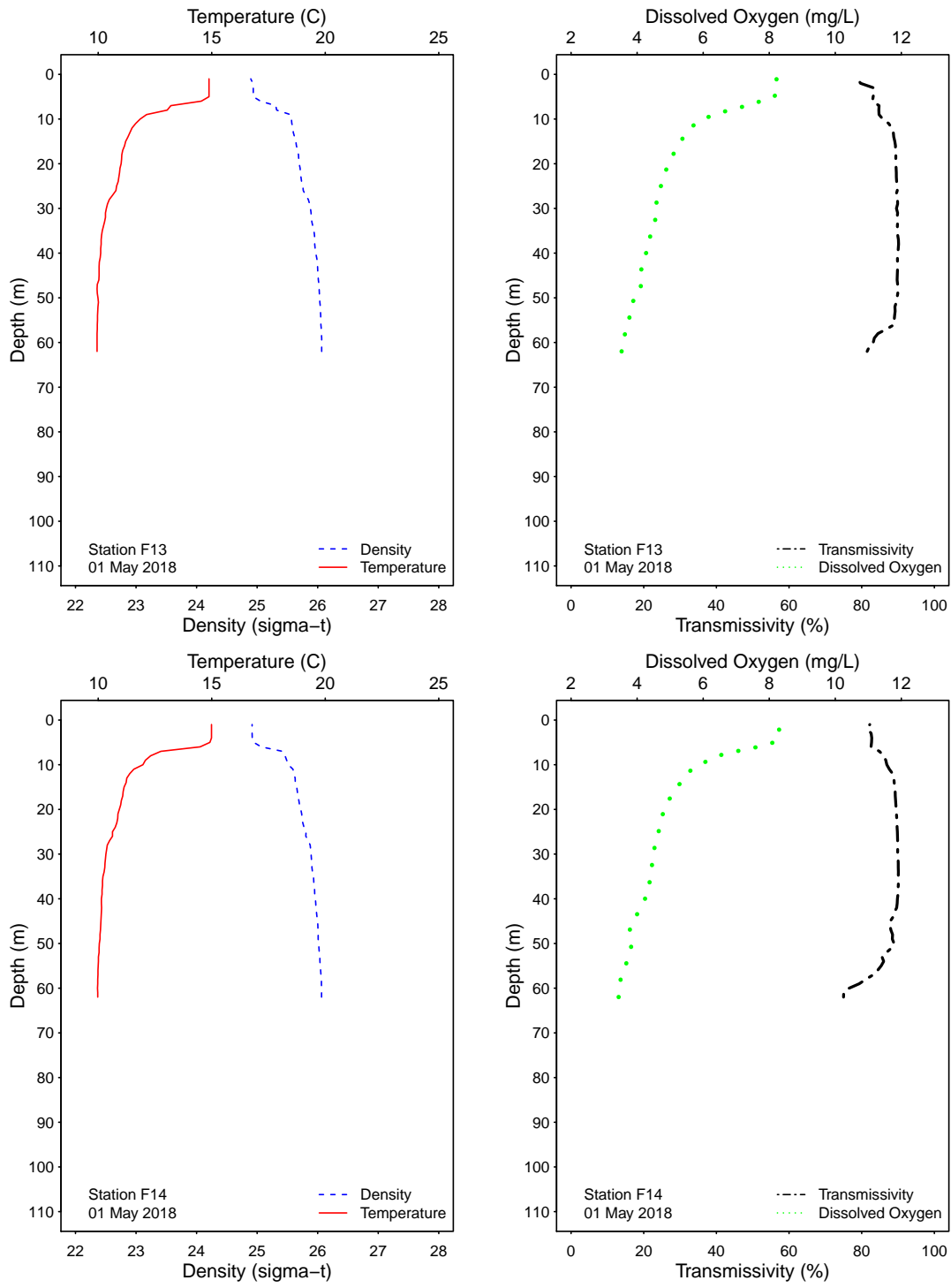


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

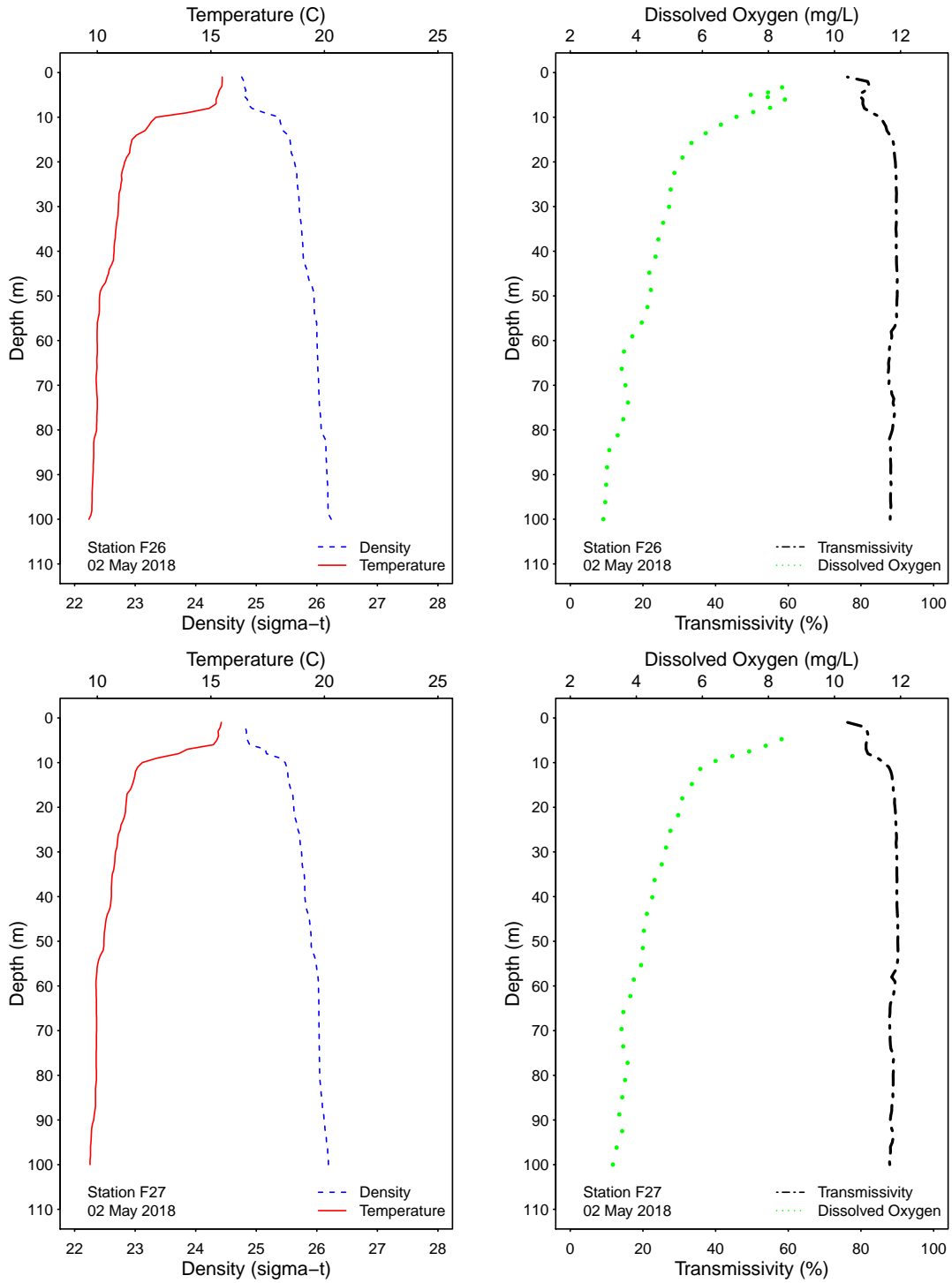


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

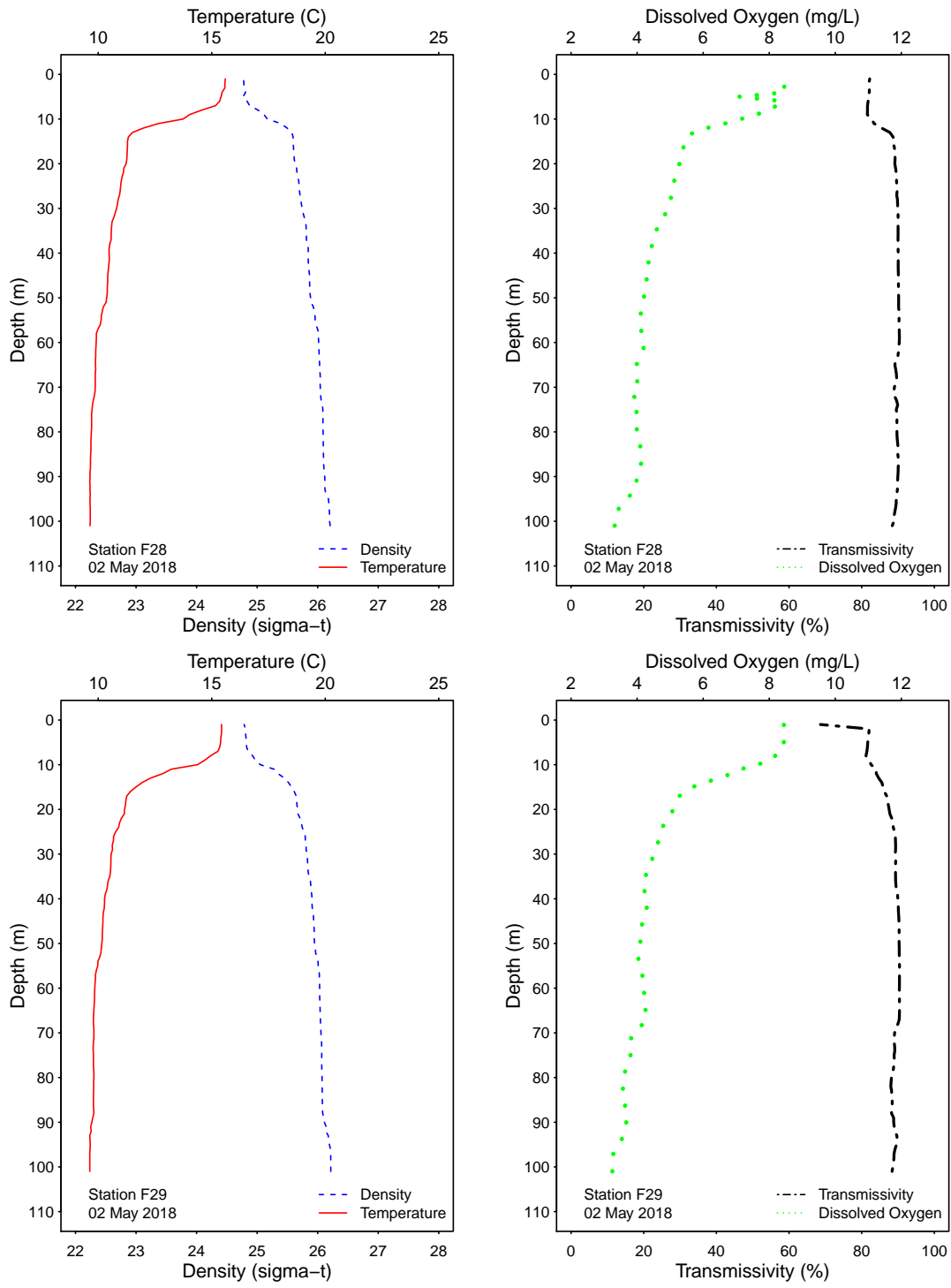


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

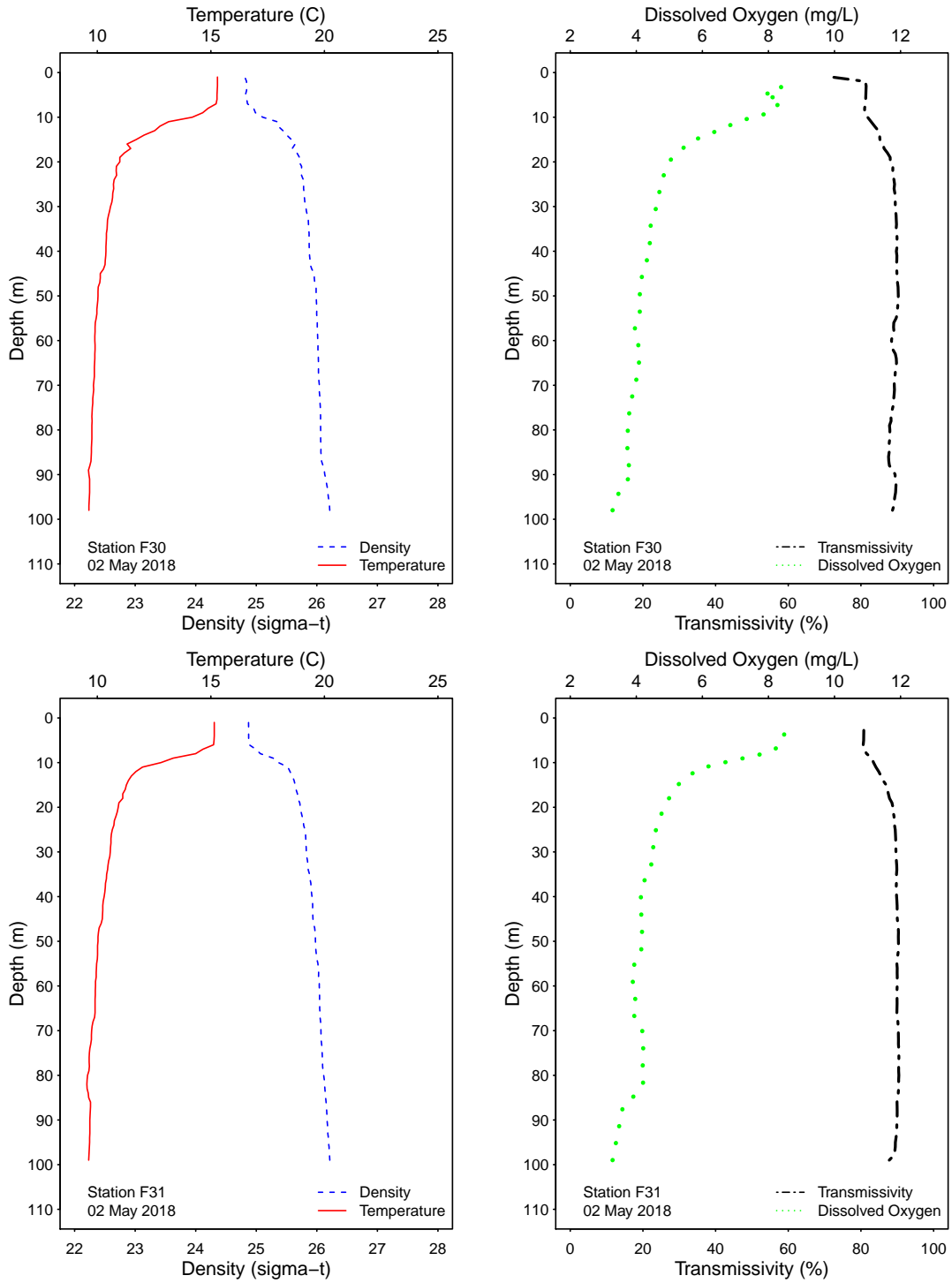


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

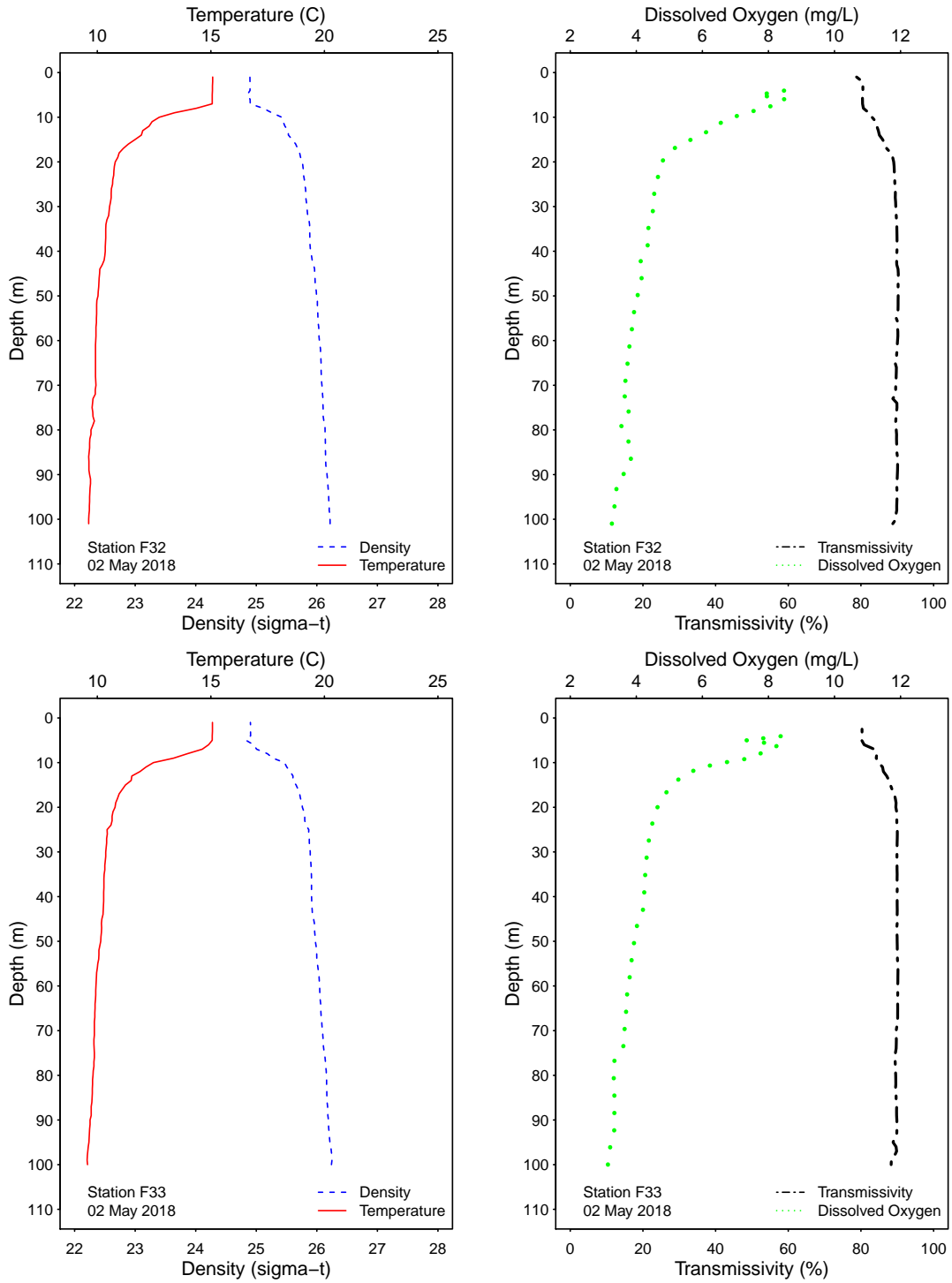


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

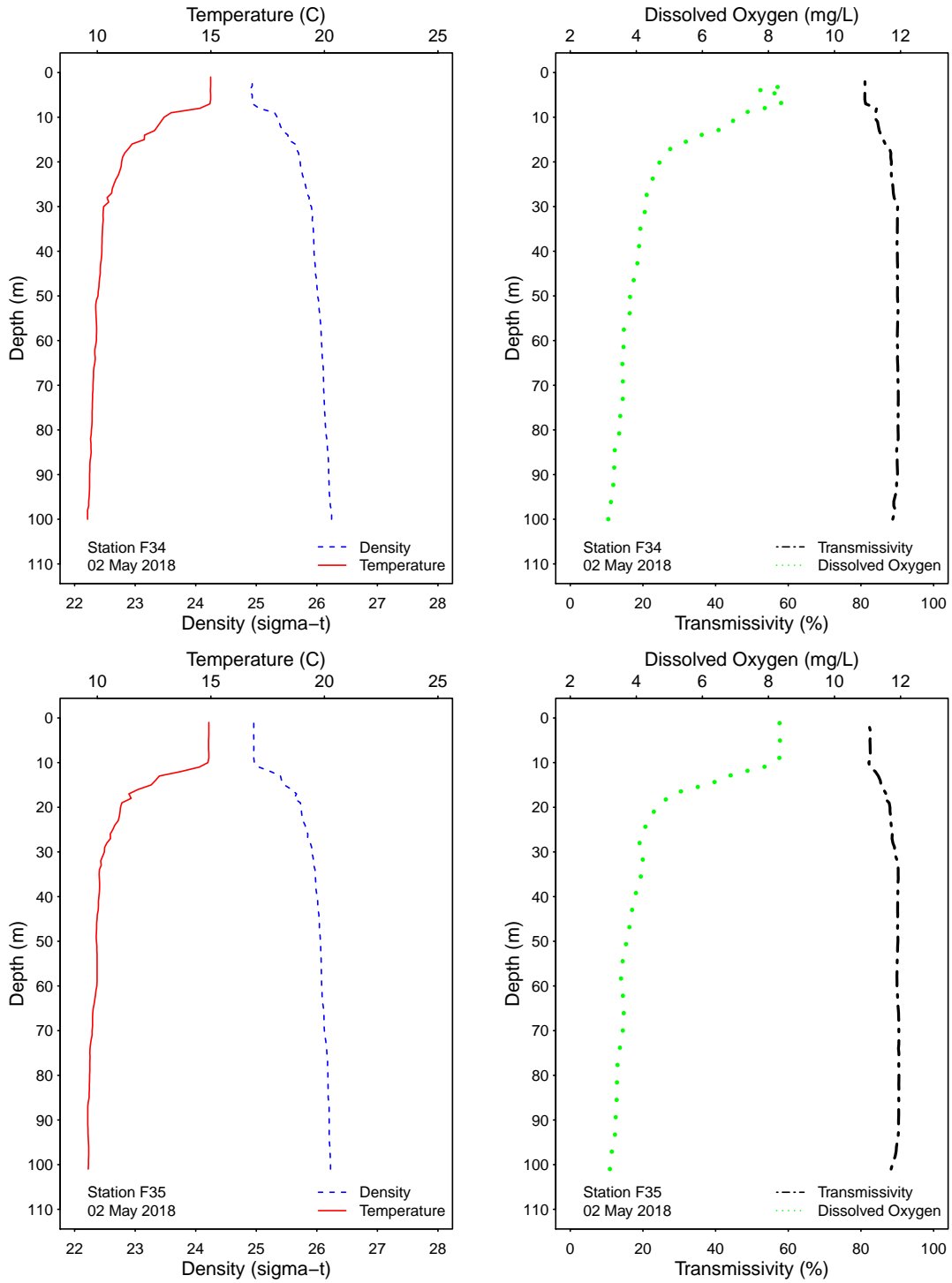


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

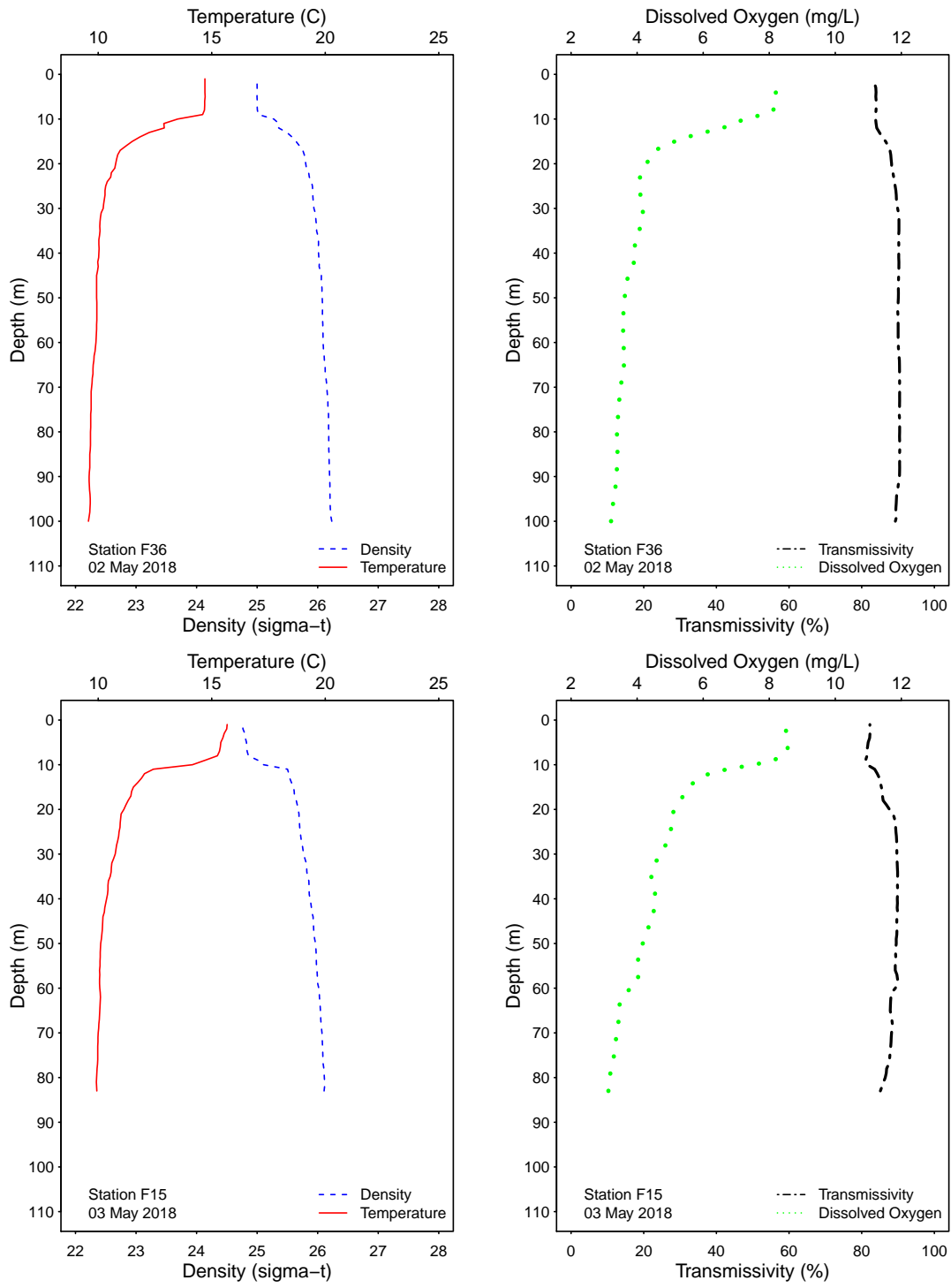


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

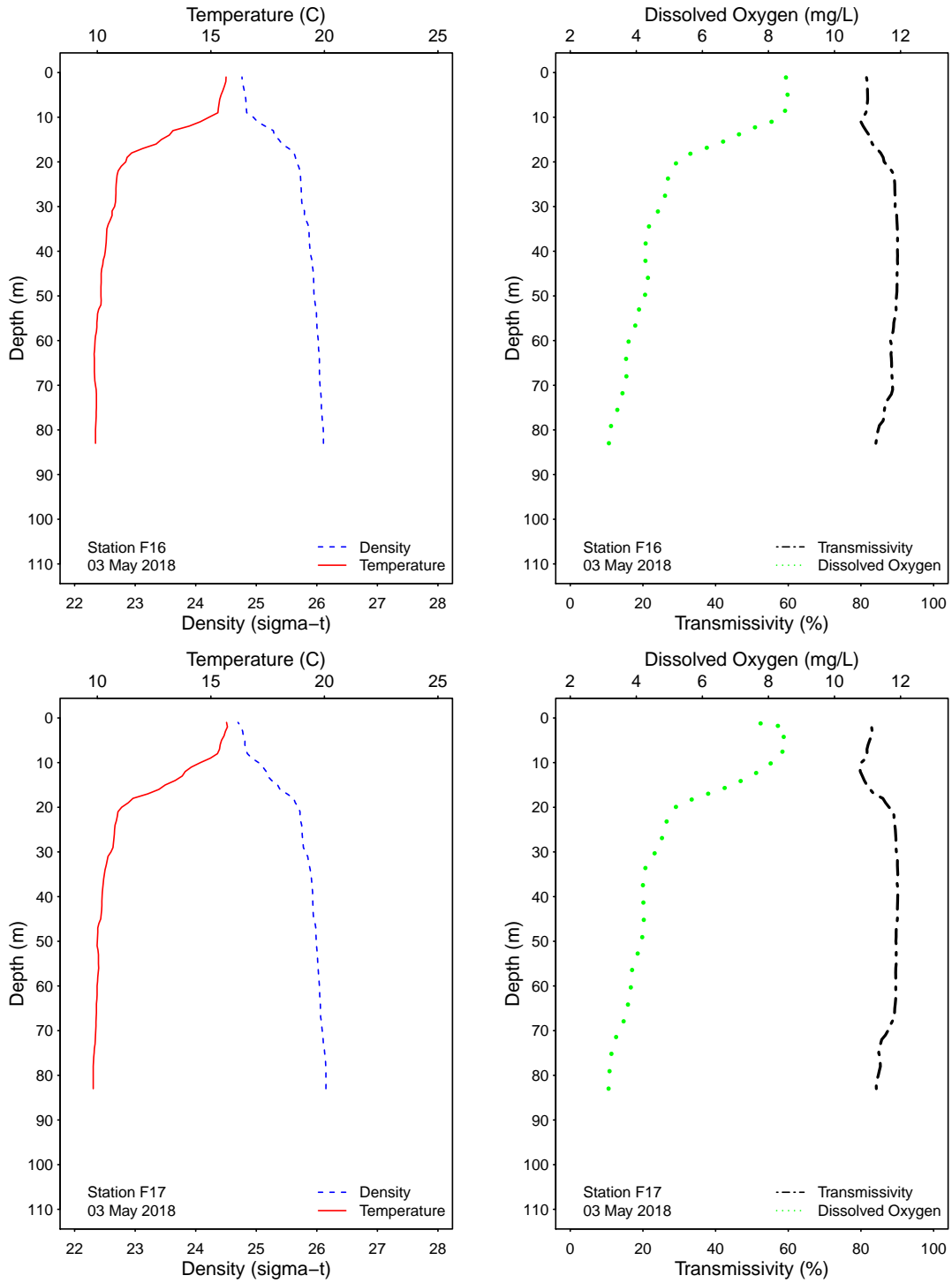


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

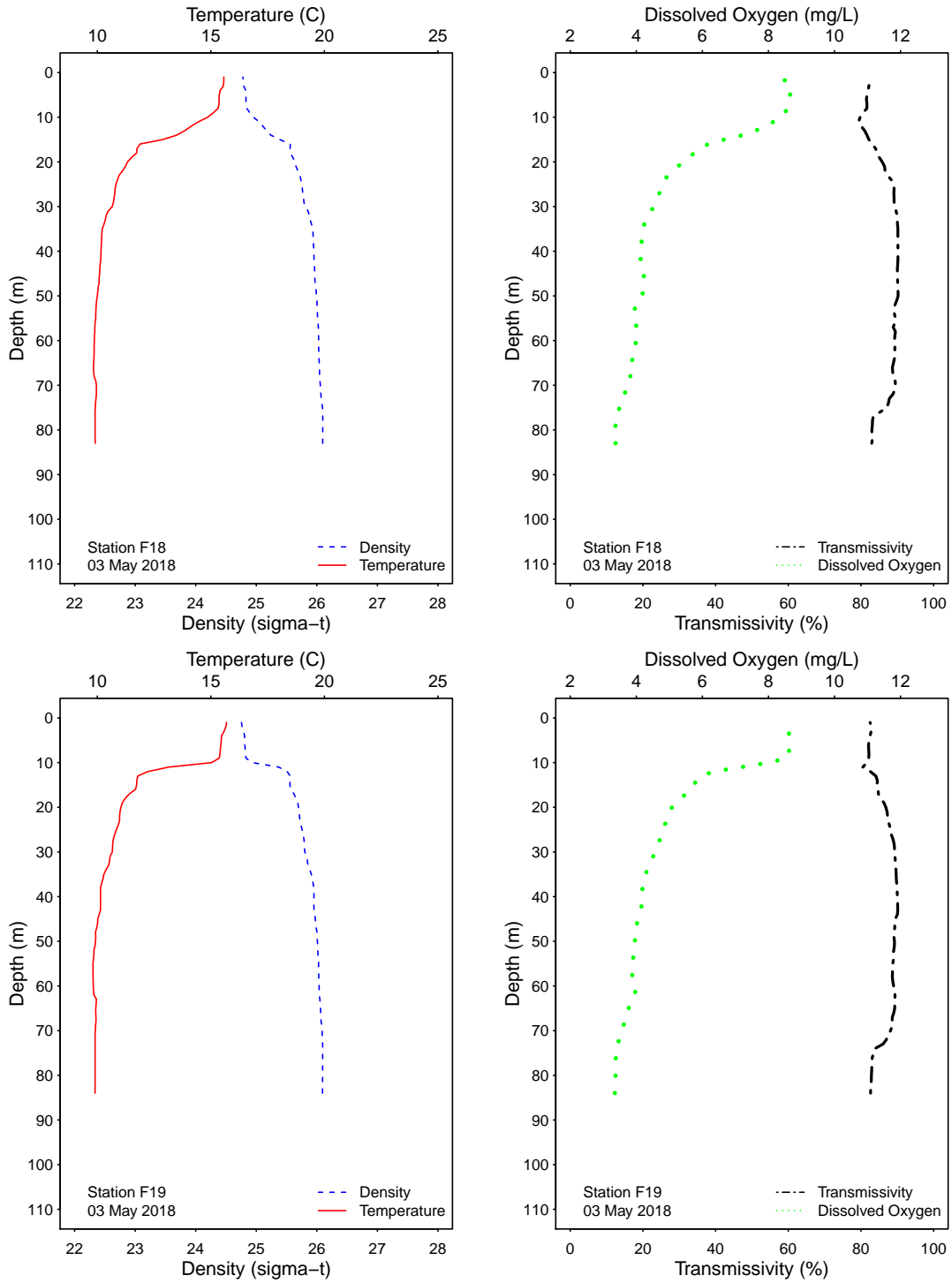


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

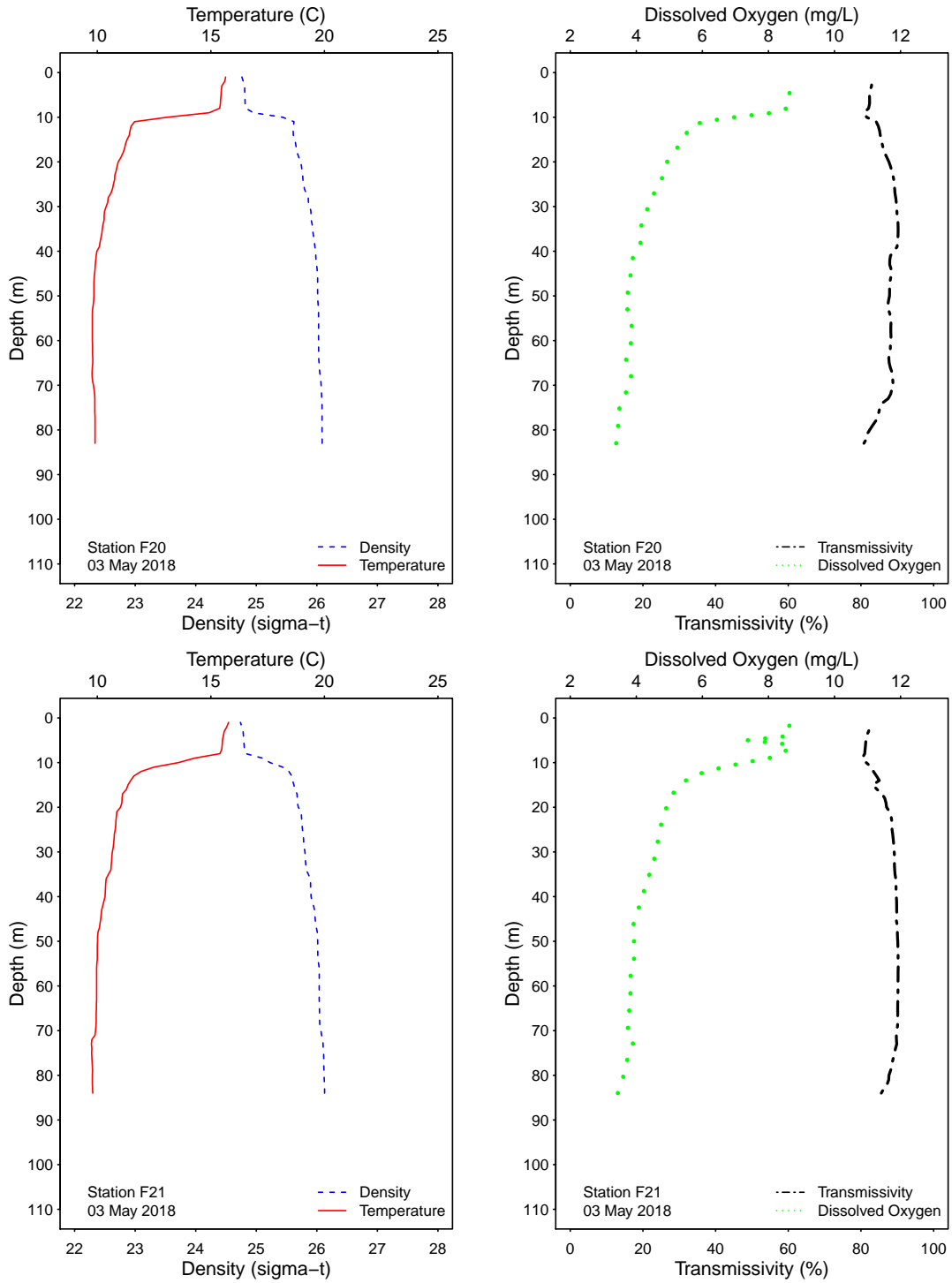


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

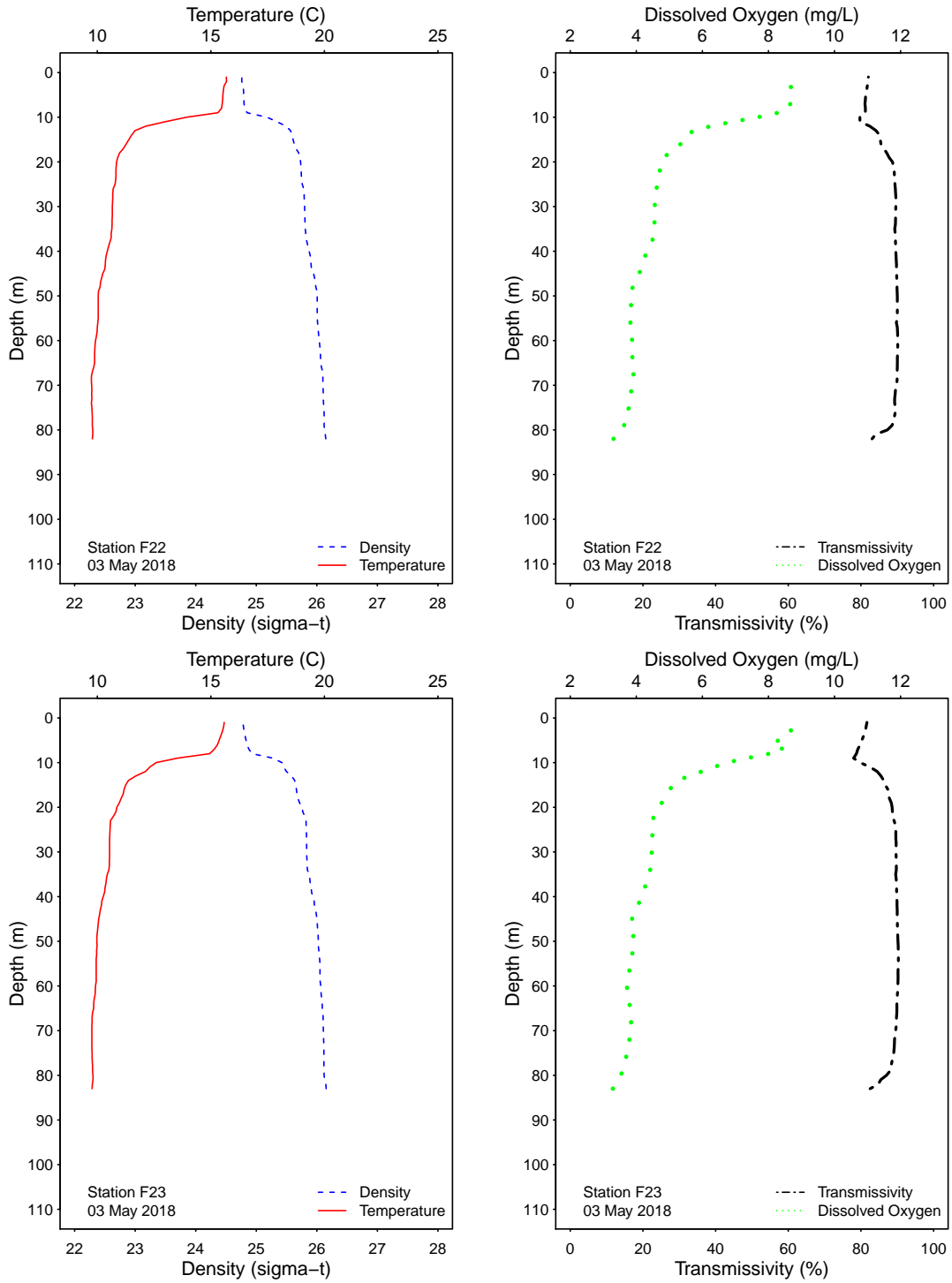


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

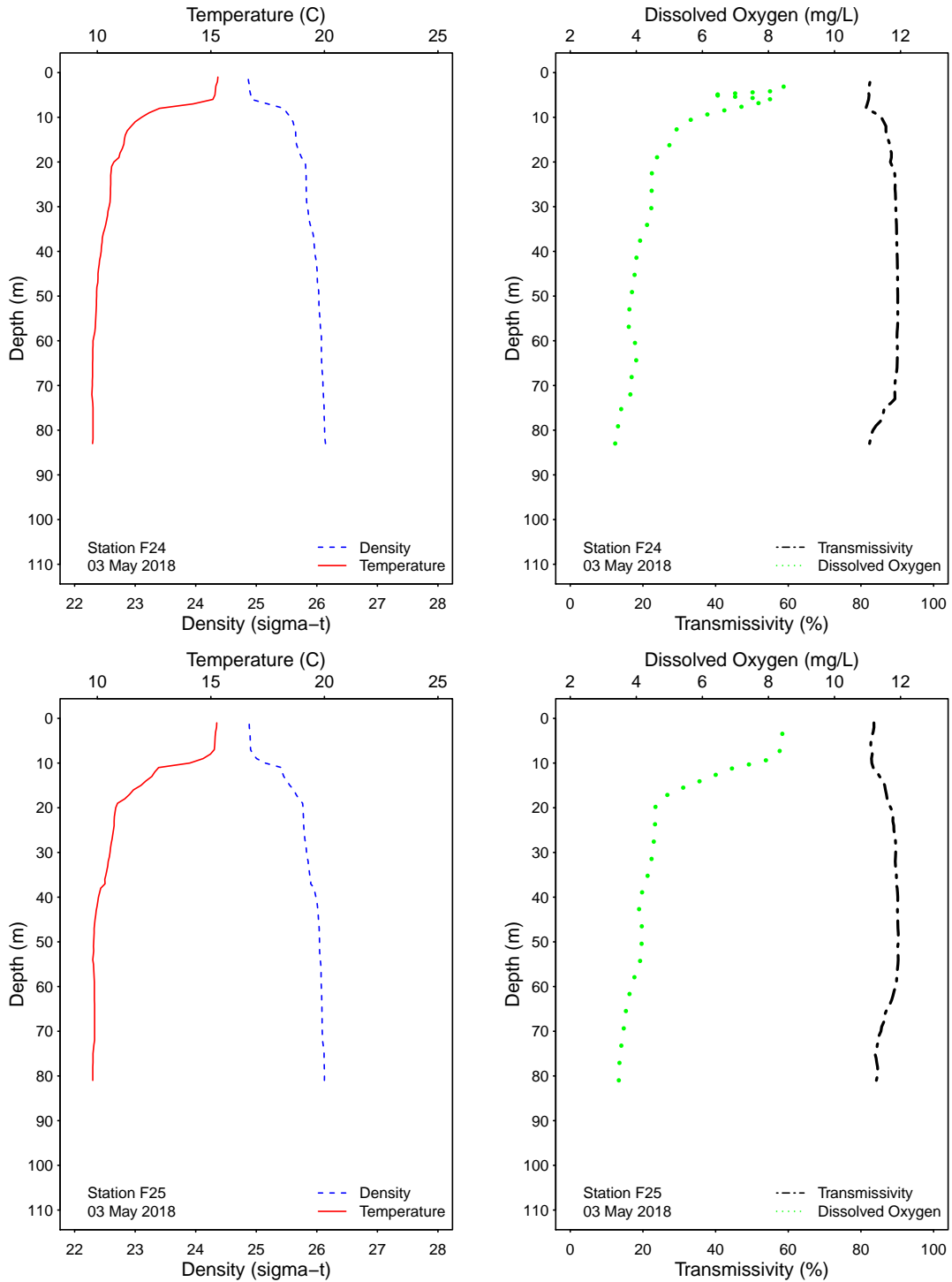


Figure 4.1: Graphics of CTD profile data from the PLOO offshore stations for each sample date.

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	07 May 2018	18	LMA	LAB DUPLICATE	<2	<2	<2
A7	14 May 2018	18	ZV	LAB DUPLICATE	2e	<2	<2
A7	21 May 2018	18	JT	LAB DUPLICATE	<2	<2	<2
A7	29 May 2018	18	ZV	LAB DUPLICATE	22e	<2	<2
C7	07 May 2018	18	LMA	LAB DUPLICATE	<2	<2	<2
C7	14 May 2018	18	ZV	LAB DUPLICATE	<2	<2	<2
C7	21 May 2018	18	JT	LAB DUPLICATE	<2	<2	<2
C7	29 May 2018	18	ZV	LAB DUPLICATE	16e	2e	<2
C8	07 May 2018	12	LMA	LAB DUPLICATE	<2	<2	<2
C8	14 May 2018	12	ZV	LAB DUPLICATE	<2	<2	<2
C8	21 May 2018	12	JT	LAB DUPLICATE	<2	<2	2e
C8	29 May 2018	12	ZV	LAB DUPLICATE	2e	<2	<2
D12	02 May 2018		LMA	FIELD DUPLICATE	<20	2e	2e
D12	02 May 2018		LMA	LAB DUPLICATE	20e	<2	2e
D12	09 May 2018		AE	FIELD DUPLICATE	<2	<2	<2
D12	09 May 2018		AE	LAB DUPLICATE	<2	<2	2e
D12	16 May 2018		LMA	FIELD DUPLICATE	<20	<2	<2
D12	16 May 2018		LMA	LAB DUPLICATE	<20	<2	<2
D12	23 May 2018		ZV	FIELD DUPLICATE	<2	<2	<2
D12	23 May 2018		ZV	LAB DUPLICATE	<2	<2	<2
D12	30 May 2018		JT	FIELD DUPLICATE	<20	<2	<2
D12	30 May 2018		JT	LAB DUPLICATE	<20	<2	<2
F01	01 May 2018	12	ZV	LAB DUPLICATE	ns	ns	<2
F02	01 May 2018	12	ZV	LAB DUPLICATE	ns	ns	<2
F07	01 May 2018	60	ZV	LAB DUPLICATE	ns	ns	12e
F08	01 May 2018	60	ZV	LAB DUPLICATE	ns	ns	26e
F11	01 May 2018	60	ZV	LAB DUPLICATE	ns	ns	2e
F17	03 May 2018	80	ZV	LAB DUPLICATE	ns	ns	18e
F18	03 May 2018	60	ZV	LAB DUPLICATE	ns	ns	940e
F19	03 May 2018	60	JT	LAB DUPLICATE	ns	ns	380e
F20	03 May 2018	60	JT	LAB DUPLICATE	ns	ns	280e
F21	03 May 2018	80	ZV	LAB DUPLICATE	ns	ns	<2
F28	02 May 2018	60	ZV	LAB DUPLICATE	ns	ns	<2
F29	02 May 2018	60	AE	LAB DUPLICATE	ns	ns	2e
F30	02 May 2018	60	JT	LAB DUPLICATE	ns	ns	92
F31	02 May 2018	80	JT	LAB DUPLICATE	ns	ns	<2
F32	02 May 2018	80	JT	LAB DUPLICATE	ns	ns	<2
F34	02 May 2018	60	AE	LAB DUPLICATE	ns	ns	<2

ns = not sampled

ND = no data

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