

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 11-4-2019

QC'd By

Battery Voltage 6.9

Turbidity Wiper Replaced ^{N/A} Y / NWiper parking 180° ^{N/A} Y / N

Replace Batteries (Y) / N

ODO Wiper Replaced Y / (N)

Wiper parking 180° (Y) / N

If Yes, New Voltage 11.8

Free memory (days) 167

Battery Life (days) 199

Barometric Pressure 761.0

pH7 (mv) —

pH10/4 (mv) —

Conductivity Cell Constant 4.88819

ODO Gain 1.03914

pH Slope —

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.74	50.00				100	0.00		
Measured	23.66	50.01				100.1	0.00		
Calibrate		50.00				100.1	0.000		

Start Time (Sonde) 09:45 EST

File Name CC1104 2019 Start Date 11-04-2019 Start Time (Actual) 09:45 EST

Deployment Information

Deployed By BD/AR

Instrument # JEA 1 Date 11-4-2019

Time 1220 EST

Notes

Site Observations: Fish Kill ☐ Algal Bloom ☐ Debris ☐ Hurricane / TS ☐ Other ☐

Observation Description

Very dark - storm clouds building
mid 70's incoming tide ~ 5-10mph E wind

Recorded By A. Kalmbacher Computer Entry By A. Kalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clapboard Cdc

Retrieval Information:

Retrieved By:

BD/AK

Instrument #

SEA 1

Date

11/25/19

Time

1145

Barometric Pressure

758.5

mmHg

pH 7 (mv)

pH 10 / 4 (mv)

Battery Voltage

Turbidity wiper parked 180°

Y / N

ODO

(Y / N)

Post Calibration Date

N/A

Cond. Cell Constant

pH Slope

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	17.09	50.0				100.0	0.0		
Measured	17.09	22,950				90.6			

Fouling presence: Please record type of fouling AND amount (eg A, B, E, / H)

Types A= Algae, B= Barnacles, C= Crabs, E= Eggs, F= Fish, O= Other, N= none / Amount H=Heavy, M= Moderate, L= Light, N= None.

Sonde/Guard:

N

External Screen:

N

Temp/Cond:

N

ODO Probe:

N

pH Probe:

N

Turbidity:

N

Comments:

17.09°C

7.98mg/L

23,080 SpCon

0.8m depth

14.0 sal

90% sat

Readings from sonde (SEA2)
about to be deployedDID NOT POST CALIBRATE
NO DATA COLLECTED

File Name CC11042019

Any Probe Malfunctions

Y / (N)

If Y, please describe above

* "OPERATOR ERROR"
Sonde never set to log!

Download File

Y / (N/A)

Date

Initials

Sent Datafile

Y / (N/A)

Date

Initials

Sent Datasheet

(Y) N

Date

11-26-2019

Initials

AK

Recorded By:

Computer Entry By:

Certified By:

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID:

SEA 1

RQ:

Project:

Clayboard Creek

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	AKelmbacher	11-04-19	0835	23.6	761.0	8.5	8.47	100.1		1.03914	P / F	L / F
ICV			0840	23.6	761.0	8.5	8.46	100.1		1.03914	P / F	L / F
CCV											P / F	L / F
CCV											P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	AKelmbacher	11-04-19	0850	190711C	7/2020	56,000	50,000	P / F	L / F
ICV			0853	191025B	11/2020	20,000	19,500	P / F	L / F
CCV								P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.						7.				P / F	L / F
Calibr.						4.				P / F	L / F
Calibr.						10.				P / F	L / F
ICV										P / F	L / F
CCV										P / F	L / F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	AKelmbacher	11-04-19	0855	0.00	0.001	P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: DID NOT POST CALIBRATE - NO DATA COLLECTED - SONDE NEVER SET TO LOG DATA