

SECN Coastal Water Quality Monitoring
 Datasonde Datasheet v1.42 (11/2019)—DEPLOYMENT

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN) 11F100554 (SEA1)
 Calibration Date 12-16-2019 Calibrated By A. Kalmbacher
 Battery Voltage Pre-Calibration 11.7 Battery Voltage >5.3 ☒ Y / ☐ N Battery Voltage Post-Calibration 11.6
 Central Wiper Replaced ☒ Y / ☐ N Central Wiper Parking 180° ☒ Y / ☐ N
 Barometric Pressure (mmHg) 764.5 Conductivity Cell Constant 4.87128 ODO Gain 1.0333
 pH7 (mv) — pH10 (mv) — pH4 (mv)(check) — pH Slope —

Parameter	Temp (°C)	Sp. Cond. (mS/cm)	Depth (m)	ODO (% Sat.)	ODO (mg/l)	pH7	pH10
Standard	22.55	50.00	0.00	100	8.6		
Measured	22.45	50.01	0.000	100.3	8.70		
Calibrated		50.00	0.000	100.7	8.75		

Parameter	pH4 (check)	Turbidity Low (FNU)	Turbidity High (FNU)	Chl Low (µg/l)	Chl High (µg/l)	BGA-PC Low (µg/l)	BGA-PC High (µg/l)
Standard							
Measured							
Calibrated							

Deployment

Deployed By: AK/JParrish File Name: CC12162019
 (Station name _YYYYMMDD)
 Sonde Start Date: 12-16-2019 Sonde Start Time: 11:45 Eastern Standard Time (EST)
 Actual Deployment Date: 12-16-2019 Actual Time Placed in Water: 11:38 (EST)

Comments:

Depth 3.0 m 11:26 am EST
 17.32° 34.52 spcond 21.7 sal 7.77 mg/l 92% DO

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

Observation Description:

Volts 11.7 197 - But Free Memory 167 pt. cloudy ~ 75°
 Sit on cap Approaching High Tide - incoming

Recorded By: A. Kalmbacher Computer Entry By / Date: A. Kalmbacher 12/17/2019
 Certified By / Date: by retrieved sonde SEA2

SECN Coastal Water Quality Monitoring
YSI Datasonde Datasheet v1.42 (11/2019)— **RETRIEVAL**

Station Name

TIMUclap02

Retrieval

In situ Sonde # (SN)

11F100554

Retrieved By

AK/BD/KA/KM

Retrieval Date

01-02-2020

Retrieval Time

1011 (EST)

Field Meter # (SN)

11F100555

Field Meter Calibration Date

01-02-2020

On Site Readings

	Temp (°C)	Baro. Pres. (mmHg)	ODO (% Sat.)	ODO (mg/l)	Sp. Cond. (mS/cm)	Salinity (psu)	pH	Turb. (FNU)	Depth (m)	Chla (µg/l)	BGA (µg/l)
Field Meter	17.67	761.7	92.0	8.36	19350	11.5	—	—	1.0	—	—
In situ Sonde	16.9	761.7	93	8.49	18.74	11.15	—	—	1.0	—	—

Fouling presence: Please record type of fouling **AND** amount (e.g. A, B, E, / H). Types A= Algae, B= Barnacles, C= Crabs, E= Eggs, F= Fish, O= Other, N= none, S= Sediment / Amount H=Heavy, M= Moderate, L= Light, N= None

Sonde/Guard: **C** External Screen: **N** Temp/Cond: **N**

ODO Probe: **N** pH Probe: **N** Turbidity: **N**

Post Deployment

Post Deployment Reading Date

01-02-2020

Battery Voltage

11.3

Central Wiper Parking 180°

☒ Y / ☐ N

Barometric Pressure (mmHg)

761.7

Conductivity Cell Constant

4.8493

pH7 (mv)

pH10 (mv)

pH Slope

pH4 (mv)

Parameter	Temp (°C)	Sp. Cond. (mS/cm)	Depth (m)	ODO (% Sat.)	ODO (mg/l)	pH7	pH10
Standard	22.91	50.00	0.00	100.0	8.6		
Measured (clean sensors)	22.88	49.77	-0.07	100.7	8.62		

Parameter	pH4 (check)	Turbidity Low (FNU)	Turbidity High (FNU)	Chl Low (µg/l)	Chl High (µg/l)	BGA-PE Low (µg/l)	BGA-PE High (µg/l)
Standard							
Measured (clean sensors)							

Any Probe Malfunctions?

☒ Y / ☐ N

If Y, describe in the comments.

File Name:

CC12162019

(Station name _YYYYMMDD)

Comments:

Falling tide, calm, mild temp's ~ 70 on retrieval

Recorded By **A. Kalmbacher**

Computer Entry By / Date **A. Kalmbacher 01-02-2020**

Certified By / Date

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: J2A 1

RQ-

Project: Clabboard 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.	A. Kalmbacher	12-16-19	0830	22.3	764.5	8.6	8.75	100.7		1.0533	P / F	L / F
ICV			0835	22.4	764.5	8.6	8.70	100.3		1.0333	P / F	L / F
CCV	A. Kalmbacher	01-02-20	1420	23.08	761.7	8.6	8.62	100.7		1.0333	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.	A. Kalmbacher	12-16-19	0845	190711C	7/2020	50,000	50,000	P / F	L / F
ICV			0845	191025B	11/2020	20,000	19,390	P / F	L / F
CCV	A. Kalmbacher	01-02-20	1425	190711C	7/2020	50,000	49,770	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	A. Kalmbacher	12-16-2019	0848	0.000	0.000	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: