

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

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN) L10

Calibration Date

5/13/24

Calibrated By

KVillinger

Battery Voltage Pre-Calibration

2.32

Battery Voltage >5.3

☒ Y ☐ N

Battery Voltage Post-Calibration

2.27

Central Wiper Replaced

☒ Y ☐ N

Central Wiper Parking 180°

☒ Y ☐ N

Barometric Pressure (mmHg)

760.6

Conductivity Cell Constant

0.46

ODO Gain

1.05

pH7 (mv)

/

pH10 (mv)

/

pH4 (mv)(check)

/

pH Slope

/

Parameter	Temp (°C) ⁽²⁾	Sp. Cond. (mS/cm)	Depth (m)	ODO (% Sat.)	ODO (mg/l)	pH7	pH10
Standard	<u>22.89</u>	<u>50.00</u>	<u>0.000</u>	<u>100.0</u>	<u>8.8</u>		
Measured	<u>22.61</u>	<u>50.0004</u>	<u>0.135</u>	<u>100.1</u>	<u>8.81</u>		
Calibrated		<u>50.00</u>	<u>0.135</u>	<u>100.1</u>	<u>8.8 NA</u>		

(offset)

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:

KVillinger, Kyle Coker

File Name:

CC05TBZ024

(Station name _YYYYMMDD)

Sonde Start Date:

5/13/24

Sonde Start Time:

1045

Eastern Standard Time (EST)

Actual Deployment Date:

5/13/24

Actual Time Placed in Water:

1042

(EST)

Comments:

Batteries changed post cal / predeploy. 3.03 voltage

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

Observation Description:

Recorded By:

KVillinger

Computer Entry By / Date:

Certified By / Date:

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

Station Name

TIMUclap02

Retrieval

In situ Sonde # (SN)

L110

Retrieved By

K. Villinger

Retrieval Date

5/29/24

Retrieval Time

1032 (EST)

Field Meter # (SN)

ELSA

Field Meter Calibration Date

5/29/24

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	28.9	762.5	87.7	5.71	46720	30.3			3.1		
In situ Sonde	28.9	762.5	81.6	5.35	45305	29.2			3.5		

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/A/B/E/O External Screen: Temp/Cond:

ODO Probe: pH Probe: Turbidity:

Post Deployment

Post Deployment Reading Date

5/29/24

Battery Voltage

2.89

Central Wiper Parking 180°

Y/(N)

Barometric Pressure (mmHg)

761.0

Conductivity Cell Constant

0.46

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	22.97	50.000	0.135	100.6	8.7		
Measured (clean sensors)	22.98	49.615	0.062	99.4	8.61		

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)

File Name: CC05132024

If Y, describe in the comments.

(Station name _YYYYMMDD)

Comments: J-qualify all data. Brush fell off during deployment and some fouling was present on probe faces.
Large storm came through ~ 14th-15th

Recorded By

K. Villinger

Computer Entry By / Date

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: L110

RQ: —

Project: BHAPCNCIapboard

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 4/1/24

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.	KVilling	5/13/24	914	21.63	760.6	8.8	100.81	100.1	—	1.05	(P) F	(L) F
ICV	↓	↓	918	21.67	760.6	8.8	8.81	100.8	—	1.05	(P) F	(L) F
CCV	↓	5/29/24	1554	22.5	761.0	8.7	8.61	99.4	—	—	(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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	KVilling	5/13/24	922	231103C	11/24	50000	50000.4	(P) F	(L) F
ICV	↓	↓	930	231110	11/24	15000	14922	(P) F	(L) F
CCV	↓	5/29/24	1521	231103C	11/24	50000	49615	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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 ± 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: 4/1/24

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	KVilling	5/13/24	933	0.135	0.135	(P) F	(L) F

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

COMMENTS: