

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

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN) L110
 Calibration Date 8/14/24 Calibrated By K. Villinger
 Battery Voltage Pre-Calibration 2.45 Battery Voltage >5.3 Y/N Battery Voltage Post-Calibration 2.43
 Central Wiper Replaced Y/N Central Wiper Parking 180° Y/N
 Barometric Pressure (mmHg) 760.1 Conductivity Cell Constant 100.46 ODO Gain 1.05
 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	22.11	50.00	0.135	100.0	8.9		
Measured	22.05	49.99	0.133	101.2	9.05		
Calibrated		50.00	0.135	100.0	—		

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: Jeremy Parrish, Kyle Coker File Name: 08142024
 (Station name YYYYMMDD)
 Sonde Start Date: 8/14/2024 Sonde Start Time: 1100 Eastern Standard Time (EST)
 Actual Deployment Date: 8/14/24 Actual Time Placed in Water: 1145 1055 (EST)

Comments:

Batteries changed pre-deploy. 3.03 starting voltage

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

Observation Description:

Recorded By: K. Villinger Computer Entry By / Date: _____

Certified By / Date: _____

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

Station Name

TIMUclap02

Retrieval

In situ Sonde # (SN)

L10

Retrieved By

KVillings

Retrieval Date

8/26/24

Retrieval Time

1435 (EST)

Field Meter # (SN)

ELSA

Field Meter Calibration Date

8/26/24

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	29.2	764	77.5	5.14	4135	26.2	X	X	4.9	X	X
In situ Sonde	29.3	764	72.2	4.79	4039	25.9	X	X	4.6	X	X

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: GAD External Screen: Temp/Cond:

ODO Probe: pH Probe: Turbidity:

Post Deployment

Post Deployment Reading Date

8/26/24

Battery Voltage

2.78

Central Wiper Parking 180°

☒ Y ☐ N

Barometric Pressure (mmHg)

763

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	23.01	50.00	0.135	100.0	8.3	X	X
Measured (clean sensors)	23.00	49.82	0.056	99.7	8.29	X	X

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	X	X	X	X	X	X	X
Measured (clean sensors)	X	X	X	X	X	X	X

Any Probe Malfunctions?

☒ Y ☐ N

File Name:

CC08142024

If Y, describe in the comments.

(Station name_YYYYMMDD)

Comments:

Brush present upon retrieval. NO qual. fress needed

Recorded By

K Villings

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: BMAPCM Clapboard

- 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 7/3/24

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.	K Villmges	8/14/24	746	20.9	760.1	8.9	9.04	100.0	—	1.05	(P) F	(L) F
ICV	↓	↓	755	20.9	760.1	8.9	9.05	101.2	—	1	(P) F	(L) F
CCV		8/26/24	1020	24.7	763	8.3	8.29	99.7	—	1	(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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	K Villmges	8/14/24	804	231103C	11/24	50000	50000	(P) F	(L) F
ICV	↓	↓	811	231110	11/24	15000	14842	(P) F	(L) F
CCV	↓	8/26/24	1030	231103C	11/24	50000	49815	(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: 7/3/24

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	K Villmges	8/14/24	833	0.135	0.133	(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: