

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

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN) L110
Calibration Date Cal-12/11/23, CCV-1/18/24 Calibrated By KVillinger
Battery Voltage Pre-Calibration Low Bat Battery Voltage >5.3 Y / N Battery Voltage Post-Calibration 3.7
Central Wiper Replaced (Y) / N Central Wiper Parking 180° (Y) / N
Barometric Pressure (mmHg) 76.7 Conductivity Cell Constant 0.465 ODO Gain 1.049
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	—	50.000	0.000	100.0	9.86		
Measured	—	14.950	0.000	100.7	9.81		
Calibrated	—	—	0.000	—	—		

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 File Name: CC01182024
(Station name_YYYYMMDD)
Sonde Start Date: 1/18/24 Sonde Start Time: 1030 Eastern Standard Time (EST)
Actual Deployment Date: 1/18/24 Actual Time Placed in Water: 1122 (EST)

Comments:

Other sondes need maintenance. L110 was pulled, CCV's field cleaned & re-deployed. New batteries & wiper changed.

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

Observation Description:

Recorded By: KVillinger Computer Entry By / Date: _____

Certified By / Date: _____

CCV from last deployment

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

Station Name

TIMUclap02

Retrieval

In situ Sonde # (SN)

L110

Retrieved By

KVillings

Retrieval Date

2/1/24

Retrieval Time

1112 (EST)

Field Meter # (SN)

Guillermo

Field Meter Calibration Date

2/1/24

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	14.56	766.7	94.1	8.14	42.000	27.0	X	X	5.94	X	X
In situ Sonde		766.7	93.9	9.47			X	X	4.202	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: A/C/O light External Screen: _____ Temp/Cond: _____

ODO Probe: _____ pH Probe: _____ Turbidity: _____

Post Deployment

Post Deployment Reading Date

2/1/24

Battery Voltage

2.65

Central Wiper Parking 180°

☒ Y ☐ N

Barometric Pressure (mmHg)

762.7

Conductivity Cell Constant

0.465

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	22.28	50.000	0.000	100.0	8.8	X	X
Measured (clean sensors)	22.25	49.932	0.000	100.3	8.80	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							
Measured (clean sensors)							

Any Probe Malfunctions?

☒ Y ☐ N

File Name:

CC01182024

If Y, describe in the comments.

(Station name_YYYYMMDD)

Comments:

Data omits spc, sal, & temp for most of deployments
D.O. % & mg/l are present

Recorded By

KVillings

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 calibration

- 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 9/8/23

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	12/1/23	911	19.9	764.4	9.2	—	100.6	—	1.049	P / F	L / F
ICV			913	20.1	764.4	9.1	9.12	100.5	—	1.049	P / F	L / F
CCV	↓	1/18/24	1047	16.5	767.1	9.80	9.83	100.7	—	1.049	P / F	L / F
CCV	↓	2/1/24	1456	21.82	762.7	8.8	8.8	100.3	—	1.049	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.	K Villmges	12/1/23	916	230612C	6/24	50000	50000	P / F	L / F
ICV			922	231110	11/24	15000	14,950	P / F	L / F
CCV	↓	1/18/24	1050	230612C	6/24	50000	50155	P / F	L / F
CCV	↓	2/1/24	1500	230612C	6/24	50006	49932	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: 9/8/23

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	12/1/23	924	0.000	0.000	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: 1/18/24 - sonde was ccv'd & re-deployed. No calibration, will be ccv'd again.

2/1/24 - since no cal, continuing ^{with} ccv post deployment/retrieval