

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

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN) ELSA
Calibration Date 6/26/23 Calibrated By KVillings
Battery Voltage Pre-Calibration 2.35 Battery Voltage >5.3 Y/N Battery Voltage Post-Calibration 2.31
Central Wiper Replaced Y/N Central Wiper Parking 180° Y/N 0.471 (2)
Barometric Pressure (mmHg) 766 Conductivity Cell Constant 0.99636 ODO Gain 0.99636
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	<u>20.30</u>	<u>50.000</u>	<u>0.000</u>	<u>100.0</u>	<u>9.0</u>	X	X
Measured	<u>20.44</u>	<u>49.998</u>	<u>0.000</u>	<u>100.0</u>	<u>8.98</u>		
Calibrated	<u>/</u>	<u>50.000</u>	<u>0.000</u>	<u>100.0</u>	<u>-</u>		

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: KVillings, N Barham File Name: CE 06262023
(Station name _YYYYMMDD)
Sonde Start Date: 6/26/23 Sonde Start Time: 1130 Eastern Standard Time (EST)
Actual Deployment Date: 6/26/23 Actual Time Placed in Water: 1126 (EST)

Comments:

*Changed battery pre deployment - 3.00 volts to start

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

Observation Description:

Recorded By: KVillings 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)

ELSA

Retrieved By

KVillages, Anna McClure (UED)

Retrieval Date

7/10/23

Retrieval Time

948 (EST)

Field Meter # (SN)

Guillermo

Field Meter Calibration Date

7/10/23

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	29.21	759.9	76.6	5.15	37.14	23.4	X	X	3.0	X	X
In situ Sonde	29.33	759.9	69.6	4.68	37.08	23.37	X	X	3.52	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: FJA1BV30 External Screen: Temp/Cond:

ODO Probe: pH Probe: Turbidity:

Post Deployment

Post Deployment Reading Date

7/10/23

Battery Voltage

2.62

Central Wiper Parking 180°

☒ Y ☐ N

Barometric Pressure (mmHg)

760

Conductivity Cell Constant

0.471

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	20.64	50.000	0.000	100.0	6.7	X	X
Measured (clean sensors)	20.57	49.979	0.000	96.2	6.57	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:

CC06262023

If Y, describe in the comments.

(Station name _YYYYMMDD)

Comments:

Recorded By

KVillages

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: FLSA

RQ:

Project: BMAP 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 5/23/23

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.	KVillings	6/26/23	842	20.5	760	9.0	-	100.0	-	0.99636	(P) F	(L) F
ICV			845	20.6	760	9.0	8.98	100.0	-	0.996	(P) F	(L) F
CCV			1401	22.0	760	8.7	8.57	100.0	-	0.996	(P) F	(L) F
CCV								98.2	(P)		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.	KVillings	6/26/23	846	230131C	2/24	50,000	50,000	(P) F	(L) F
ICV			851	230131D	2/24	15000	14,978	(P) F	(L) F
CCV			1404	230131C	2/24	50000	49,979	(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: 5/30/23

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	KVillings	6/26/23	926	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: