

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

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN)

L110

Calibration Date

7/8/24

Calibrated By

K Villages

Battery Voltage Pre-Calibration

2.6

Battery Voltage >5.3

☒ Y / ☐ N

Battery Voltage Post-Calibration

2.51

Central Wiper Replaced

☒ Y / ☐ N

Central Wiper Parking 180°

☒ Y / ☐ N

Barometric Pressure (mmHg)

760.7

Conductivity Cell Constant

0.46

ODO Gain

1.04

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	25.62	50.000	0.000	100.0	8.3	X	X
Measured	25.62	49.999	0.135	100.2	8.32		
Calibrated		50.000	0.000	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: K Villages

File Name:

CC07082024

(Station name _YYYYMMDD)

Sonde Start Date:

7/8/24

Sonde Start Time:

1015

Eastern Standard Time (EST)

Actual Deployment Date:

7/8/24

Actual Time Placed In Water:

1017

(EST)

Comments:

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

Observation Description:

Recorded By:

K Villages

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

Killinges

Retrieval Date

7/22/24

Retrieval Time

1301 (EST)

Field Meter # (SN)

Moe

Field Meter Calibration Date

7/22/24

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	29.6	762.9	88.6	5.77	43700	28.08	X		3.0	X	
In situ Sonde	N/A										

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: ACFO External Screen: Temp/Cond:

ODO Probe: pH Probe: Turbidity:

Post Deployment

Post Deployment Reading Date

7/22/24

Battery Voltage

2.41

Central Wiper Parking 180°

(Y) N

Barometric Pressure (mmHg)

761.4

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	21.6 (24.5)	50.00	0.135	100.0	8.4	X	X
Measured (clean sensors)	21.61	49.7	0.148	99.1	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							
Measured (clean sensors)							

Any Probe Malfunctions?

Y / (N)

File Name:

CC07082024

If Y, describe in the comments.

(Station name _YYYYMMDD)

Comments:

Sonde stopped recording on 7/10/24 @ 1945
unsure why J-quality data.
(Battery voltage was @ 2.64 for last reading)

Recorded By

Killinges

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: L10

RQ: —

Project: BHAP LM 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.	KVillings	7/8/24	832	24.7	760.7	8.3	8.32	100.0	—	1.04	(P) F	(L) F
ICV		↓	833	24.8	760.7	8.3	8.31	100.2	—	1	(P) F	(L) F
CCV		7/22/24	1100	24.3	761.4	8.4	8.29	99.1	—	∇	(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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	KVillings	7/8/24	836	231103C	11/24	50000	50000	(P) F	(L) F
ICV		↓	842	231110	11/24	15000	15128	(P) F	(L) F
CCV		7/22/24	1607	231103C	11/24	50000	49705	(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: 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	KVillings	7/8/24	848	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: