

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

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN) Moe
Calibration Date 4/1/24 Calibrated By K Villinger
Battery Voltage Pre-Calibration 2.41 Battery Voltage >5.3 Y / (N) Battery Voltage Post-Calibration 2.45
Central Wiper Replaced (Y) N Central Wiper Parking 180° (Y) N
Barometric Pressure (mmHg) 763.6 Conductivity Cell Constant 0.47 ODO Gain 1.08
pH7 (mv) / pH10 (mv) / pH4 (mv)(check) / pH Slope /

*depth has new offset of 0.1354

Parameter	Temp (°C)	Sp. Cond. (mS/cm)	Depth (m)	ODO (% Sat.)	ODO (mg/l)	pH7	pH10
Standard	21.96	50.000	0.000	100.0	8.9	X	X
Measured	22.05	49.975	0.000	100.5	8.92		
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 Villinger File Name: CC04012024
(Station name _YYYYMMDD)
Sonde Start Date: 4/1/24 Sonde Start Time: 1245 Eastern Standard Time (EST)
Actual Deployment Date: 4/1/24 Actual Time Placed in Water: 1235 (EST)

Comments:

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 Datasonde Datasheet v1.42 (11/2019)— RETRIEVAL

Station Name

TIMUclap02

Retrieval

In situ Sonde # (SN)

Moe

Retrieved By

KVillings, Katie Halbert

Retrieval Date

4/15/24

Retrieval Time

1350 (EST)

Field Meter # (SN)

L10

Field Meter Calibration Date

4/15/24

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	21.36	763.8	92.6	7.14	36527	23.14	X	X	3.975	X	X
In situ Sonde	21.42	763.8	93.2	7.32	32614.8	20.41	X	X	4.204	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: CB, O External Screen: _____ Temp/Cond: _____

ODO Probe: _____ pH Probe: _____ Turbidity: _____

Post Deployment

Post Deployment Reading Date

4/15/24

Battery Voltage

3.02

Central Wiper Parking 180°

Y / N

Barometric Pressure (mmHg)

762.3

Conductivity Cell Constant

0.47

pH7 (mv)

1

pH10 (mv)

1

pH Slope

1

pH4 (mv)

1

Parameter	Temp (°C)	Sp. Cond. (mS/cm)	Depth (m)	ODO (% Sat.)	ODO (mg/l)	pH7	pH10
Standard	22.47	50.06	0.135	6.8	100	X	X
Measured (clean sensors)	22.47	49.85	0.121	8.92	101.3	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

If Y, describe in the comments.

File Name:

CC04012024

(Station name _YYYYMMDD)

Comments:

depth has offset of 0.135 M.
• Batteries changed before CCVs to use Bluetooth. Last recorded battery voltage value was 2.59

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: MOE

RQ: —

Project: BMAP Clipboard

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.	K Villinger	4/1/24	1102	21.19	763.6	8.9	—	100.0	—	1.08	(P) F	(L) F
ICV			1104	21.21	763.6	8.9	8.92	100.5	—	1.08	(P) F	(L) F
CCV		4/15/24	1105	21.7	762.3	8.8	8.92	101.3	—	1.08	(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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	K Villinger	4/1/24	1106	230612C	6/24	50000	50000	(P) F	(L) F
ICV			1114	231110	11/24	15000	15072	(P) F	(L) F
CCV		4/15/24	1125	230612C	6/24	50000	49850	(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: 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	K Villinger	4/1/24	1045	0.135	0.135	(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:

New depth offset - 0.135 m