

SECN Coastal Water Quality Monitoring
 Datasonde Datasheet v1.42 (1/1/2019)—DEPLOYMENT

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN) L110

Calibration Date

4/15/24

Calibrated By

Katrin Villinger

Battery Voltage Pre-Calibration

2.55

Battery Voltage >5.3

Y / N

Battery Voltage Post-Calibration

2.49

Central Wiper Replaced

(Y) / N

Central Wiper Parking 180°

(Y) / N

Barometric Pressure (mmHg)

764.2

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	<u>22.80</u>	<u>50.000</u>	<u>0.000</u>	<u>100.0</u>	<u>8.7</u>	<u>X</u>	<u>X</u>
Measured	<u>22.85</u>	<u>50.000</u>	<u>0.000</u>	<u>100.5</u>	<u>8.67</u>		
Calibrated	<u>/</u>	<u>50000</u>	<u>0.000</u>	<u>100.5</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	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>
Measured	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>
Calibrated	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>

Deployment

Deployed By: KVillinger, Katie Halbert

File Name: CC04152024

(Station name_YYYYMMDD)

Sonde Start Date: 4/15/24

Sonde Start Time: 131400

Eastern Standard Time (EST)

Actual Deployment Date: 4/15/24

Actual Time Placed In Water: 1355

(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)

L110

Retrieved By

K. Villings

Retrieval Date

4/29/24

Retrieval Time

1210 1207 (EST)

Field Meter # (SN)

M02

Field Meter Calibration Date

4/29/24

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	23.37	764.9	92.2	6.65	44600	28.7	X	X	4.075	X	X
In situ Sonde	23.35	764.9	90.3	6.52	44335	28.65	X	X	4.15	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, B, C, E, O External Screen: Temp/Cond:

ODO Probe: pH Probe: Turbidity:

Post Deployment

Post Deployment Reading Date

4/29/24

Battery Voltage

2.4

Central Wiper Parking 180°

(Y) N

Barometric Pressure (mmHg)

762.9

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	22.6	50.000	0.135 (offset)	100.0	9.3	X	X
Measured (clean sensors)	22.59	50.140	0.175	100.7	9.32	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:

004152024

If Y, describe in the comments.

(Station name _YYYYMMDD)

Comments:

Error for central wiper. (Hardware error).

No fouling on faces of probes, just bodies of probes, guard & sonde body. Data showed on reconnection of probe.

Recorded By

K. Villings

Computer Entry By / Date

Certified By / Date

of probe
entire deployment
J. Guad

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: 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.	Katrin Villings	4/15/24	1113	22.8	764.2	8.7	—	100.5	—	1.04	(P) F	(L) F
ICV	↓	11	1119	22.68	764.2	8.67	8.67	100.5	—	1.04	(P) F	(L) F
CCV	↓	4/29/24	1501	19.0	762.9	9.3	9.32	100.7	—	1.04	(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.	Katrin Villings	4/15/24	1122	230612C	6/24	50000	50000	(P) F	(L) F
ICV	↓	11	1128	231110	11/24	15000	14929	(P) F	(L) F
CCV	↓	4/29/24	1512	231103C	11/24	50000	50140	(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: 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 Villings	4/15/24	1133	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: