

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

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN)

ELSA

Calibration Date

5/29/24

Calibrated By

K. Villinger

Battery Voltage Pre-Calibration

2.42

Battery Voltage >5.3

☒ Y ☐ N

Battery Voltage Post-Calibration

2.37

Central Wiper Replaced

☒ Y ☐ N

Central Wiper Parking 180°

☒ Y ☐ N

Barometric Pressure (mmHg)

762.0

Conductivity Cell Constant

0.47

ODO Gain

1.03

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	23.20	50.000	0.000	100.0	8.7		
Measured	23.28	49.995	0.000	100.4	8.71		
Calibrated		50.000	0.000	100.5	—		

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, Alex Knack

File Name:

CC_05192024

(Station name YYYYMMDD)

Sonde Start Date:

5/29/24

Sonde Start Time:

1045

Eastern Standard Time (EST)

Actual Deployment Date:

5/29/24

Actual Time Placed in Water:

1035

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

Station Name

TIMUclap02

Retrieval

In situ Sonde # (SN)

ELSA

Retrieved By

K. Villing, S. K. Harkness

Retrieval Date

6/10/24

Retrieval Time

1046 (EST)

Field Meter # (SN)

LILLO

Field Meter Calibration Date

6/10/24

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	29.4	757	97.9	6.28	48250	31.16			3.7		
In situ Sonde	29.43	757	97.2	6.21	49386	32.16			4.093		

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, D External Screen: A Temp/Cond: N

ODO Probe: N pH Probe: N Turbidity: N

Post Deployment

Post Deployment Reading Date

6/10/24

Battery Voltage

2.29

Central Wiper Parking 180°

N

Barometric Pressure (mmHg)

755

Conductivity Cell Constant

0.47

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	24.94	50.00	0.000	100.0	8.0		
Measured (clean sensors)	24.95	49.86	0.000	98.6	7.94		

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:

CC05292024

If Y, describe in the comments.

(Station name _YYYYMMDD)

Comments:

Brush was present and in place upon retrieval.
No qualifiers needed. (R)

Recorded By

K. Villing

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: ELSA

RQ: —

Project: BMAP Clipboard

cm.

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	5/29/24	847	22.4	762	8.7	8.70	100.5	—	1.03	P/F	L/F
ICV		↓	849	22.4	762	8.7	8.71	100.4	—	1	P/F	L/F
CCV		6/10/24	1434	26.5	755	8.0	7.94	98.6	—	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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	K. Villinger	5/29/24	852	231103C	11/24	50000	50000	P/F	L/F
ICV		↓	859	231110	11/24	15,000	14940	P/F	L/F
CCV		6/10/24	1440	231103C	11/24	50000	49861	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	5/29/24	906	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:

depth offset - 0.135 m