

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

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN) E 15A
 Calibration Date 4/18/22 Calibrated By Kim Appleby
 Battery Voltage Pre-Calibration 2.42 Battery Voltage >5.3 Y / ~~N~~ Battery Voltage Post-Calibration 2.42
 Central Wiper Replaced ~~Y~~ / N Central Wiper Parking 180° ~~Y~~ / N
 Barometric Pressure (mmHg) 759.4 Conductivity Cell Constant 0.468523 ODO Gain 1.0146
 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>21.96</u>	<u>50.00</u>	<u>0.00</u>	<u>100.0</u>	<u>9.1</u>		
Measured	<u>21.93</u>	<u>50.00</u>	<u>0.00</u>	<u>100.0</u>	<u>9.17</u>		
Calibrated		<u>50.00</u>	<u>0.00</u>	<u>99.9</u>	<u>N/A</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: KA / JP File Name: LL04182022
 (Station name _YYYYMMDD)
 Sonde Start Date: 4/18/22 Sonde Start Time: 1003 Eastern Standard Time (EST)
 Actual Deployment Date: 4/18/22 Actual Time Placed in Water: 1107 (EST)

Comments:

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

Observation Description:

Recorded By: Kim Appleby 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)

E7SA

Retrieved By

K.A. & K.V.

Retrieval Date

5/3/22

Retrieval Time

1230 1128 (EST)

Field Meter # (SN)

L110

Field Meter Calibration Date

5/3/22

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	24.89	761.2	87.8	6.39	36.046	22.75	✓	✓	4.070	✓	✓
In situ Sonde	24.88	761.2	87.3	6.35	36.046	22.74	-	-	4.24	-	-

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, E, O External Screen: — Temp/Cond: A, E

ODO Probe: A, E pH Probe: — Turbidity: —

Post Deployment

Post Deployment Reading Date

5/3/22

Battery Voltage

2.34

Central Wiper Parking 180°

☒ Y ☐ N

Barometric Pressure (mmHg)

761.6

Conductivity Cell Constant

0.468573

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	22.76	50.000	0	100	8.7		
Measured (clean sensors)	22.82	49.771	0.035	100.3	8.73		

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

If Y, describe in the comments.

File Name:

2604182022

(Station name _YYYYMMDD)

Comments:

Recorded By K. Villiger

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 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 2/3/22

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.	Kim Appleby	4/19/22	754	19.6	759.4	9.2	—	99.9	—	1.0146	P/F	L/F
ICV	↓	↓	756	19.658	759.2	9.1	9.17	100.0	—	1.0146	P/F	L/F
CCV	Katrin Villiger	5/3/22	1612	22.190	801.7	8.7	8.73	100.3	—	1.0146	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.	Kim Appleby	4/19/22	805	2109176	9/22	50,000	50,000	P/F	L/F
ICV	↓	↓	809	211122A	12/22	15,000	14,966	P/F	L/F
CCV	Katrin Villiger	5/3/22	1618	2109176	1/22	50,000	49,771	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: 2/3/22

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	Kim Appleby	4/19/22	757	0.00	0.00	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: