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

Station Name
TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN): LILO

Calibration Date: 5/3/22 Calibrated By: Katan Villinger

Battery Voltage Pre-Calibration: 2.02 Battery Voltage >5.3: Y / (N) Battery Voltage Post-Calibration: 1.86

Central Wiper Replaced: Y / (N) Central Wiper Parking 180°: (Y) / N

Barometric Pressure (mmHg): 763.5 Conductivity Cell Constant: 0.469516 ODO Gain: 1.05-0693

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	22.81	1.000	0.000	100.0	8.9		
Measured	22.932	1.000	0.000	100.6	8.86		
Calibrated		1.000	0.000	100.5	N/A		

~~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, K. Appleby File Name: CC05032022
(Station name _YYYYMMDD)

Sonde Start Date: 5/3/2022 Sonde Start Time: 1145 Eastern Standard Time (EST)

Actual Deployment Date: 5/3/22 Actual Time Placed in Water: 1142 (EST)

Comments:

Changed batteries directly before deployment.

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): LILO
Retrieved By: K. Villinger, B. Davis
Retrieval Date: 5/17/22
Retrieval Time: 1000 (1100 on watch) (EST)
Field Meter # (SN): Moe
Field Meter Calibration Date: 5/17/22

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	25.7	761.0	86.5	5.90	48.261	31.45	7.79		4.176		
In situ Sonde	25.798	761.0	79.6	5.45	48675.4	31.75			4.527		

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

ODO Probe: pH Probe: Turbidity:

Post Deployment

Post Deployment Reading Date: 5/17/22 Battery Voltage: 2.75 Central Wiper Parking 180°: (Y) N

Barometric Pressure (mmHg): 756.7 Conductivity Cell Constant: 0.469516

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	21.35	15.000	0.000	100.00	8.56		
Measured (clean sensors)	21.420	15.070	0.000	96.5	8.66		

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: _____
If Y, describe in the comments. (Station name _YYYYMMDD)

Comments:

Recorded By K Villinger 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: LILO RQ- Project: BHAP 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 _____

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 Villinger	5/3/22	1031	21.6	763.5	8.9	—	100.5	—	1.051	(P) F	(L) F
ICV			1039	21.6	763.5	8.89	8.86	100.6	—	1.051	(P) F	(L) F
CCV		5/17/22	1626	21.8	758.7	8.8	8.66	98.5	—	1.051	(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.	K. Villinger	5/3/22	1044	220225A	3/23	1000	1000	(P) F	(L) F
ICV			1052	210917C	9/22	50000	50404	(P) F	(L) F
CCV		5/17/22	1632	211122A	12/22	15000	15070	(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.	K. Villinger					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: _____
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	5/3/22	1059	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: