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

Station Name
TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN): Moe

Calibration Date: 2/20/23 Calibrated By: KVillinger

Battery Voltage Pre-Calibration: 2.35 (4@) Battery Voltage >5.3: Y / (N) Battery Voltage Post-Calibration: 2.36

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

Barometric Pressure (mmHg): 764.0 Conductivity Cell Constant: 0.466115 ODO Gain: 1.062

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	20.58	50.000	0.000	100.0	9.1		
Measured	20.639	50.002	0.000	100.5	9.03		
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: KVillinger, Katie Halbert File Name: CC02202023
(Station name _YYYYMMDD)

Sonde Start Date: 2/20/23 Sonde Start Time: 1030 Eastern Standard Time (EST)

Actual Deployment Date: 2/20/23 Actual Time Placed in Water: 1027 (EST)

Comments:

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

Observation Description:

Recorded By: Computer Entry By / Date:

Certified By / Date: KVillinger

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

Station Name
TIMUclap02

Retrieval

In situ Sonde # (SN): ~~ELSA~~ Moe

Retrieved By: KVillings, K Halbert

Retrieval Date: ~~3/6/23~~ 3/7/23

Retrieval Time: 10:26 (EST)

Field Meter # (SN): LiIO

Field Meter Calibration Date: 03/06/2023

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	21.207	762.1	91.1	6.79	46.027	29.96			4.105		
In situ Sonde	21.056	762.1	90.5	6.74	43.458	30.61			4.403		

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, O External Screen: _____ Temp/Cond: _____

ODO Probe: _____ pH Probe: _____ Turbidity: _____

Post Deployment

Post Deployment Reading Date: 3/7/23 Battery Voltage: 3.02 Central Wiper Parking 180°: (Y) / N

Barometric Pressure (mmHg): 760 Conductivity Cell Constant: 0.466115

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	21.97	50.000	0.000	100.0	8.7		
Measured (clean sensors)	21.974	50.069	0.000	99.5	8.67		

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: CC02202023
(Station name _YYYYMMDD)

Comments:
Stopped deployment @ site, Batteries changed before decal.

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 Clapboard Creek

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 2/9/23

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.	Kvillinger	2/20/23	845	20.4	764.0	9.1	—	100.5	—	1.062	(P) / F	(L) / F
ICV		↓	847	20.6	764	9.0	9.03	100.5	—	1.062	(P) / F	(L) / F
CCV		3/7/23	1323	22.2	760	8.7	8.67	99.5	—	1.062	(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.	Kvillinger	2/20/23	849	220719C	7/23	50000	50,000	(P) / F	(L) / F
ICV			854	B0131D	2/24	15000	14938	(P) / F	(L) / F
CCV		3/7/23	1326	220719C	7/23	50000	50069	(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: 2/9/23
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	Kvillinger	2/20/23	856	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:

Form effective August 1, 2018