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

Station Name
TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN): Moe

Calibration Date: 1/9/23 Calibrated By: Katrin Villinger

Battery Voltage Pre-Calibration: 2.64 Battery Voltage >5.3: Y / (N) Battery Voltage Post-Calibration: 2.59

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

Barometric Pressure (mmHg): 764.1 Conductivity Cell Constant: 0.464367 ODO Gain: 1.0667

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	20.34	50.000	0.000	100.0	9.1		
Measured	20.341	49.998	0.000	100.7	9.11		
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, Brian Davis File Name: CC01092023
(Station name _YYYYMMDD)

Sonde Start Date: 1/9/23 Sonde Start Time: 1115 Eastern Standard Time (EST)

Actual Deployment Date: 1/9/23 Actual Time Placed in Water: 1111 (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): Moe
Retrieved By: Kullinger, J Parrish
Retrieval Date: 1/24/23
Retrieval Time: 931 (EST)
Field Meter # (SN): Lilo
Field Meter Calibration Date: 1/24/23

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	15.78	769.7	92.8	8.02	35.76	22.60	/	/	3.7	X	X
In situ Sonde	15.85	~~764.1~~ ~~769.7~~ (M)	92.4	7.97	35.673	22.55	/	/	4.4	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 External Screen: _____ Temp/Cond: _____

ODO Probe: _____ pH Probe: _____ Turbidity: _____

Post Deployment

Post Deployment Reading Date: 1/24/23 Battery Voltage: 2.46 Central Wiper Parking 180°: (Y) / N

Barometric Pressure (mmHg): 768.3 Conductivity Cell Constant: 0.464367

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	20.56	50.000	0.000	100.0	8.7	X	X
Measured (clean sensors)	20.545	49.775	49.775	100.3	8.60	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) If Y, describe in the comments.

File Name: CC01092023 (Station name _YYYYMMDD)

Comments:
Brush was in bottom of guard upon retrieval. Parking was still correctly calibrated.

Recorded By _____ 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 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 11/21/22

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.	Katrin Villinger	1/9/23	914	20.102	764.1	9.1	—	100.5	—	1.0667	(P) F	(L) F
ICV		↓	916	20.273	764.1	9.1	9.11	100.7	—	1.0667	(P) F	(L) F
CCV		1/24/23	1136	23.001	768.3	8.7	8.60	100.3	—	1.0667	(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	1/9/23	922	220719C	7/23	50000	50000	(P) F	(L) F
ICV			925	2210288	11/23	1413	1410	(P) F	(L) F
CCV		1/24/23	1142	220719C	7/23	50000	$49,775	(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.	Kvillinger	1/9/23				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: 11/21/22
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	Kvillinger	1/9/23	927	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: