

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

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN)

9AE

Calibration Date

3/1/20 3/3/21

Calibrated By

Briggs Davis

Battery Voltage Pre-Calibration

7.14

Battery Voltage >5.3

(Y) / N

Battery Voltage Post-Calibration

12.9

Central Wiper Replaced

Y / (N)

Central Wiper Parking 180°

(Y) / N

Barometric Pressure (mmHg)

758.2

Conductivity Cell Constant

4.8056

ODO Gain

1.001

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	21.83	50,000	0.00	99.61	8.80		
Measured	21.55	48,000	0.00	99.4	8.81		
Calibrated		1000	0.00	99.6	8.81		

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: B Davis + K McDonald

File Name: 6603032+ TIMUclap02-20210303

(Station name_YYYYMMDD)

Sonde Start Date: 3 3 21

Sonde Start Time: 1015

Eastern Standard Time (EST)

Actual Deployment Date: 3 3 21

Actual Time Placed in Water: 1012

(EST)

Comments:

Calibrated with 1000 µmols/cm and checked calibration with 50,000 µmols/cm standard.

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

Observation Description:

Recorded By: B Davis

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)

9AE

Retrieved By

B D, J F

Retrieval Date

3/17/21

Retrieval Time

1317 1217 (EST)

Field Meter # (SN)

JEA 2

Field Meter Calibration Date

3/17/21

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	18.80	/	97.2	7.90	3586	22.60	/	/	3.9	/	/
In situ Sonde	18.82	/	78.5	6.47	32.48	20.34	/	/	3.89	/	/

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: L External Screen: N Temp/Cond: N

ODO Probe: N pH Probe: Turbidity:

Post Deployment

Post Deployment Reading Date

3/17/21

Battery Voltage

12.3

Central-Wiper Parking 180°

Y N

Barometric Pressure (mmHg)

760.5

Conductivity Cell Constant

4.8056

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	22.81	20.00	/	100%	8.3	/	/
Measured (clean sensors)	22.63	19.30	/	100.5	8.26	/	/

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:

TIMUclap02-20210303

If Y, describe in the comments.

(Station name _YYYYMMDD)

Comments:

Recorded By

B D, J F

Computer Entry By / Date

Certified By / Date

Used as "field meter" on 3/3/21

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: **9AE**

RQ: **Clipboard**

Project: **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 _____

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.	Brian Davis	3/3/21	800	21.69	758.2	8.8	8.81	99.6	✓	1.001	P /F	D /F
ICV	↓	↓	802	21.37	758.2	8.8	8.81	99.4	✓	1.001	P /F	D /F
CCV	↓	3/17/21	1444	25.1	760.5	8.3	8.26	100.5	✓	1.001	P /F	D /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.	Brian Davis	3/3/21	805	201222B	1/22	1000	1000	P /F	D /F
ICV			809	201222C	1/22	48300	50,000	P /F	D /F
CCV	Brian Davis	3/17/21	1450	200407B	4/21	20,000	19,130	P /F	D /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 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 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	Brian Davis	3/3/21	811	0.00	0.00	P /F	D /F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: