

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

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN) 11F100555 (EA2)
 Calibration Date 03-23-2020 Calibrated By A. Kalmbacher
 Battery Voltage Pre-Calibration 11.9 Battery Voltage >5.3 Y / N Battery Voltage Post-Calibration 11.8
 Central Wiper Replaced Y (N) Central Wiper Parking 180° Y (N)
 Barometric Pressure (mmHg) 765 Conductivity Cell Constant 5.00039 ODO Gain 1.00788
 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>23.71</u>	<u>50.00</u>	<u>0.00</u>	<u>100</u>	<u>8.5</u>		
Measured	<u>23.64</u>	<u>50.20</u>	<u>0.002</u>	<u>100.7</u>	<u>8.65</u>		
Calibrated		<u>50.00</u>	<u>0.001</u>	<u>100.1</u>	<u>8.54</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: B. Davis / A. Kalmbacher File Name: (CL03232020) TIMUclap0220200323
 (Station name _YYYYMMDD)

Sonde Start Date: 03-23-2020 Sonde Start Time: Eastern Standard Time (EST)

Actual Deployment Date: 03-23-2020 Actual Time Placed in Water: (EST)

Comments:

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

Observation Description:

Very High Tide, overcast, wind
GNATS! 80°

Recorded By: A. Kalmbacher Computer Entry By / Date: A. Kalmbacher

Certified By / Date:

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

Station Name

TIMUclap02

Retrieval

In situ Sonde # (SN)

11F100555

Retrieved By

Jeremy Parrish / A. Kalmbacher

Retrieval Date

05-20-2020

Retrieval Time

10:40

(EST)

Field Meter # (SN)

YSI Pro DSS "Stitch"

Field Meter Calibration Date

05-20-2020

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	25.6	759.9	89.1	6.14	46.562	30.2	/	/	3.5	/	/
In situ Sonde											

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: N External Screen: C Temp/Cond: N

ODO Probe: N pH Probe: N Turbidity: N

Post Deployment

Post Deployment Reading Date

05-20-2020

Battery Voltage

11.9

Central Wiper Parking 180°

☒ Y / ☐ N

Barometric Pressure (mmHg)

759

Conductivity Cell Constant

4.94851

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	23.78	50.00	0.00	8.4	100		
Measured (clean sensors)	23.70	50.07	-0.109	8.37	99.9		

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:

CC03232020/TIMUclap02202003

(Station name_YYYYMMDD)

23

Comments:

NO DATA LOGGED for entire deployment!!!
Must not have set sonde to log?

Recorded By

A. Kalmbacher

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:

SEA 2

RQ:

Project:

Clayheart 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

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.	AKelmbacher	05-23-20	0830	23.7	765	8.6	8.51	100.1		1.0078	P/F	L/F
ICV			0835	22.9	765	8.7	8.65	100.7		1.0078	P/F	L/F
CCV	AKelmbacher	05-20-20	1300	23.7	759	8.4	8.37	99.9		1.0078	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	AKelmbacher	05-23-20	0845	111020	11/2020	50,000	50,000	P/F	L/F
ICV			0848	171020	11/2020	20,000	19,530	P/F	L/F
CCV	AKelmbacher	05-20-20	1305	111020	11/2020	50,000	50,070	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: _____

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	AKelmbacher	05-23-20	0850	0.00	-0.001	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: