

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

Station Name
TIMUclap02

Retrieval

In situ Sonde # (SN)

11F100555

Retrieved By

B. Davis / A. Kalmbacher

Retrieval Date

01-27-2020

Retrieval Time

11:12

(EST)

Field Meter # (SN)

11F100554

Field Meter Calibration Date

01-27-2020

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	14.5	759.4	98.3	8.56	39.71	25.3	—	—	3.3	—	—
In situ Sonde	14.6	759.4	96.3	8.46	37.19	23.6	—	—	4.0	—	—

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: C External Screen: N Temp/Cond: N

ODO Probe: N pH Probe: N Turbidity: N

Post Deployment

Post Deployment Reading Date

01-27-2020

Battery Voltage

10.6

Central Wiper Parking 180°

☒ Y ☐ N

Barometric Pressure (mmHg)

759.4

Conductivity Cell Constant

4.93804

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	22.9	50.00	0.00	100	8.6		
Measured (clean sensors)	22.8	49.40	-0.110	97.8	8.40		

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: **TIMUclap0220200102 (CC01022020)**

(Station name _YYYYMMDD)

Comments:

**High tide, overcast ~65°
very calm**

Recorded By

A. Kalmbacher

Computer Entry By / Date

A. Kalmbacher / 01-27-2020

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: **1EA2**

RQ-

Project: **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

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.	A. Kalmbacher	01-02-20	0810	22.9	761.7	8.6	8.62	100.3		1.00314	P / F	L / F
ICV			0815	22.9	761.7	8.6	8.58	100.0		1.0034	P / F	L / F
CCV	A. Kalmbacher	01-27-20	1410	22.8	759.4	8.6	8.40	97.8		1.0031	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	A. Kalmbacher	01-02-20	0820	190711C	7/2020	50.000	50.000	P / F	L / F
ICV			0823	191025B	11/2020	20.000	19.510	P / F	L / F
CCV	A. Kalmbacher	01-27-20	1420	190711C	7/2020	50.000	49.400	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	A. Kalmbacher	01-27-2020	0825	0.000	0.002	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: