

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

Station Name

TIMUclap02

Retrieval

In situ Sonde # (SN)

11F100554 (JEA1)

Retrieved By

B. Davis / A. Kalmbacher

Retrieval Date

03-23-2020

Retrieval Time

11:05 (EST)

Field Meter # (SN)

11F100555 (JEA2)

Field Meter Calibration Date

03-23-2020

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	19.7	765	93	7.1	45,380	29.4	—	—	4.0	—	—
In situ Sonde	19.5	765	88	6.7	45,210	29.3	—	—	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: N External Screen: N Temp/Cond: N

ODO Probe: N pH Probe: N Turbidity: N

Post Deployment

Post Deployment Reading Date

03-23-2020

Battery Voltage

10.6

Central Wiper Parking 180°

☒ Y / ☐ N

Barometric Pressure (mmHg)

765

Conductivity Cell Constant

4.91396

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	23.6	50.00	0.00	100	8.5		
Measured (clean sensors)	23.4	50.41	-0.121	101.2	8.59		

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:

(Station name _YYYYMMDD)

If Y, describe in the comments.

Comments:

Very High Tide. Overcast, humid
GNATS! 80°

Recorded By

A. Kalmbacher

Computer Entry By / Date

A. Kalmbacher 03-23-2020

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:

SEA1

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	03-09-20	0835	23.1	770	8.7	101.7	8.74		1.0304	P / F	L / F
ICV			0840	23.1	770	8.7	8.7	101.9		1.0304	P / F	L / F
CCV	A Kalmbacher	03-23-20	1300	23.4	765	8.6	101.2	8.59		1.0304	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	03-09-20	0845	191025C	11/2020	50,000	50,000	P / F	L / F
ICV			0848	191025B	11/2020	20,000	19,500	P / F	L / F
CCV	A Kalmbacher	03-23-20	1310	191025C	11/2020	50,000	50,410	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	03-09-2020	0850	0.00	0.00	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: