

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Claphoard Creek

Calibration QC Pre-Deployment

Date 4-2-2019

QC'd By

Battery Voltage 11.8

Turbidity Wiper Replaced Y/N

Wiper parking 180° Y/N

Replace Batteries Y/N

ODO Wiper Replaced Y/N

Wiper parking 180° Y/N

If Yes, New Voltage

Free memory (days) 110

Battery Life (days) 116

Barometric Pressure 758.8

pH7 (mv)

pH10/4 (mv)

Conductivity Cell Constant 4.9299

ODO Gain 1.00919

pH Slope

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.2	50.0	7.0	10.0	4.0	100	0.0	0.0	126.0
Measured	23.2	50.00				100.3	0.0	0.1	125.6
Calibrate		50.00				99.9	0.0	0.0	125.9

Start Time (Sonde) 12:00 8:00

File Name 004032019 Start Date 4-4-2019 Start Time (Actual) 4:00 9:00

Deployment Information

Deployed By BD/AK

Instrument # SEA2 Date 4-4-2019

Time

Notes

We received a new certified thermometer - sonde + thermometer are finally matching!

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

Observation Description NOTES:

Had to deploy without pH probe - would not calibrate - had downward drift, problem with sonde port, probe is brand new

Recorded By AKalubacher Computer Entry By AKalubacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Retrieval Information:

Retrieved By: BD/AK

Instrument # JEA 2 Date 4-22-2019 Time 10:38 (sonde time)

Barometric Pressure 764.5 mmHg pH7 (mv) pH 10 / 4 (mv)

Battery Voltage 11.3 Turbidity wiper parked 180° Y / N ODO Y / N

Post Calibration Date 4-22-2019 Cond. Cell Constant pH Slope

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.4	50.00				100	0.0	0.0	126.0
Measured	23.7	49.56				101.5	0.02	3.3	—

Fouling presence: Please record type of fouling AND amount (eg A, B, E, / H)

Types A= Algae, B= Barnacles, C= Crabs, E= Eggs, F= Fish, O= Other, N= none / 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

Comments:

Calm, high tide Blue skies ~ 5mph wind
70+

File Name CC04032019

Any Probe Malfunctions Y / N

If Y, please describe above No pH probe

Download File	Y / N	Date 4-22-2019	Initials AK
Sent Datafile	Y / N	Date 4-22-2019	Initials AK
Sent Datasheet	Y / N	Date 4-22-2019	Initials AK

Recorded By: AKalmbacher

Computer Entry By: AKalmbacher

Certified By

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: **SEA2**

RQ: **SEA2**

Project: **Clapham 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

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	P/F	L/F
Calibr.	AKalmbacher	4-2-19	0820	22.1	758.8	8.72	8.71	99.9		1.00919	P/F L/F
ICV			0825	22.2	758.8	8.70	8.73	100.3		1.00919	P/F L/F
CCV	AKalmbacher	4-4-19	1447	25.8	764.5	8.2	8.27	101.5		1.00919	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 #	Explr. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	P/F	L/F
Calibr.	AKalmbacher	4-2-19	0830	180919	9/2019	50,000	50,000	P/F	L/F
ICV			0832	0424820	6/2020	24,820	24,590	P/F	L/F
CCV	AKalmbacher	4-22-19	1450	180919	9/2019	50,000	49,560	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1000	Name	Date	Time CT-ET	Lot #	Explr. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	P/F	L/F
Calibr.	AKalmbacher	4-2-19	0840			7.		6.96	22.2	P/F	L/F
Calibr.						4.		3.98	180.4	P/F	L/F
Calibr.						10.		9.91	135.0	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	P/F	L/F
Pressure mode in air	AKalmbacher	4-2-19	0835	0.00	0.0	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: