

YSI Datasonde Datasheet v1.1 - Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 5-16-2019

QC'd By

Battery Voltage 11.4

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) 90.9

Battery Life (days) 111

Barometric Pressure 761.2

pH7 (mv)

pH10/4 (mv)

Conductivity Cell Constant 4.9776

ODO Gain 1.60818

pH Slope

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.9	50.0				100	0.0		
Measured	23.9	50.00				100.2	0.001		
Calibrate		50.00				100.2	0.00		

Start Time (Sonde) 10:15

File Name CC0516 2019 Start Date 5-16-2019

Start Time (Actual) 12:15

Deployment Information

Deployed By BD/AK

Instrument # JEA 2 Date 5-16-2019

Time 12:10

Notes

NO LONGER RUNNING SONDES w/ pH or turbidity
(aging 6000's -- port issues) as per Eric Starkey

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

Observation Description

Falling tide
partly cloudy ~ 82°

Recorded By AKalmbacher Computer Entry By AKalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Crk

Retrieval Information:

Retrieved By: BD/AK

Instrument # JEA 2 Date 6-3-2019 Time 12:50

Barometric Pressure ~~757.4~~ 755.4 mmHg pH 7 (mv) pH 10 / 4 (mv)

Battery Voltage 10.9 Turbidity wiper parked 180° Y / N ODO Y / N

Post Calibration Date 6-4-2019 Cond. Cell Constant 4.99477 pH Slope

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.79	50.0				100	0.0		
Measured	23.78	50.22				100.5	0.003		

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: C External Screen: C Temp/Cond: N

ODO Probe: N pH Probe: N Turbidity: N

Comments:

Hot ~ high 90's
dead calm

high slack tide

1 Large crab in guard/screen

File Name CC05162019

Any Probe Malfunctions Y / N

If Y, please describe above

Download File	☒ Y ☐ N	Date 6-3-19	Initials AK
Sent Datafile	☒ Y ☐ N	Date 6-4-19	Initials AK
Sent Datasheet	☒ Y ☐ N	Date 6-4-19	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: JEA 2

RQ-

Project: Chapboard 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	5-16-19	0830	23.8	761.2	8.4	8.44	100.2		1.00818	P / F	L / F
ICV			0835	24.0	761.2	8.4	8.43	100.2		1.00818	(P) F	(L) F
CCV	A Kalmbacher	6-3-19	1300	23.1	757.4	8.5	8.59	100.5		1.00818	(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.	A Kalmbacher	5-16-19	0840	180919	9/2019	50,000	50,010	P / F	L / F
ICV			0844	C424820	6/2020	24,820	24,760	(P) F	(L) F
CCV	A Kalmbacher	6-3-19	1305	180919	9/2019	50,000	50,220	(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 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	5-16-19	0837	0.0	0.01	(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:

NO LONGER RUNNING SONDES WITH pH or Turbidity