

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 6-25-2018

QC'd By

Battery Voltage 12.4

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) 71

Battery Life (days) 117

Barometric Pressure 764.9

pH7 (mv) 3.5

pH10/4 (mv) 1163.9 / 1173.7

Conductivity Cell Constant 5.10511

ODO Gain 1.02577

pH Slope 67.4 / 77.2

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.7	50.00	7.0	10.0	4.0	100	0.0	0.0	126.0
Measured	23.7	50.00	6.98	9.96	3.96	100.7	0.001	0.1	128.9
Calibrate		50.00	6.97	9.96	3.98	100.7	0.0	0.1	126.0

Start Time (Sonde) 09:45

File Name CC06252018 Start Date 6-25-2018 Start Time (Actual) 10:45

Deployment Information

Deployed By BD/AR

Instrument # JEA 2 Date 6-25-2018

Time 11:07

Notes

Outgoing tide
Hot!Site Observations: Fish Kill ☐ Algal Bloom ☐ Debris ☐ Hurricane / TS ☐ Other ☐

Observation Description

Recorded By A. Kalmbacher Computer Entry By A. Kalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

SECN Coastal Water Quality Monitoring

Station Name

Clayboard Creek

Retrieval Information:

Retrieved By:

BD/AK

Instrument # JEA 2

Date 7-12-2018

Time 11:20

Barometric Pressure 763.2 mmHg pH7 (mv) 2.9 pH 10 / 4 (mv) -154.6 / 171.7

Battery Voltage 11.6 Turbidity wiper parked 180° Y / N ODO Y / N

Post Calibration Date 7-12-2018 Cond. Cell Constant 5.10511 pH Slope 157.5/108.8

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	24.2	50.00	7.00	10.0	4.00	100	0.0	0.0	124
Measured	24.3	50.35	6.99	9.8	3.99	101.9	0.06	0.7	—

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:

NO Fouling Very high tide - outgoing
Hot, low humidity

File Name CCo625 2018

Any Probe Malfunctions

Y / N

If Y, please describe above

Download File Y / N

Date 7-12-2018 Initials AK

Sent Datafile Y / N

Date 7-12-2018 Initials AK

Sent Datasheet Y / N

Date 7-12-2018 Initials AK

Recorded By: AKulmbacher

Computer Entry By: AKulmbacher

Certified By: _____

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this name.

Meter ID:

38A2

RQ:

Project:

Clapboard Cok

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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	A. Kalmbacher	6-25-18	0900	24.1	8.40	8.44	100.7		1.02577	P/F	L/F
ICV			0905	24.1	8.40	8.44	100.7		1.02577	(P)F	(L)F
CCV	A. Kalmbacher	7-12-18	1305	25.2	8.23	8.39	101.9		1.02577	(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; 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	6-25-18	0907	170720C	8/2018	50,000	50,000	P/F	L/F
ICV			0910	1124820	6/2018	24,820	25,480	(P)F	(L)F
CCV	A. Kalmbacher	7-12-18	1315	170720C	8/2018	50,000	50,350	(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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	A. Kalmbacher	6-26-18	0915	2803E45	3/2020	7.0	6.97	3.5	P/F	L/F
Calibr.				2711517	10/2019	4.0	3.98	173.7	P/F	L/F
Calibr.				2711527	4/2019	10.0	9.96	-163.9	P/F	L/F
ICV				2803E45	3/2020	7.0	6.98	3.6	(P)F	(L)F
CCV	A. Kalmbacher	7-12-18	1320	2711527	4/2019	10.0	9.80	-154.6	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 10 167.4 , slope from 4 to 7 177.2 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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	6-25-18	0940	0.000	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: