

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clayboard Creek

Calibration QC Pre-Deployment

Date 5-29-2018

QC'd By

Battery Voltage 12.7 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) 96.9 Battery Life (days) 117

Barometric Pressure 759.6 pH7 (mv) -29.6 pH10/4 (mv) 191.9 / 137.3

Conductivity Cell Constant 5.0721 ODO Gain 1.0173 pH Slope 166.9

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.39	50.00	7.00	10.00	4.00	100	0.00	0.0	126
Measured	23.44	49.99	7.04	10.01	4.03	100	0.00	-0.1	127.9
Calibrate		50.00	7.00	9.99	3.99	100	0.00	0.0	126

Start Time (Sonde) 10:30

File Name CC05292018 Start Date 5-29-2018 Start Time (Actual) 10:30

Deployment Information

Deployed By BD/AK

Instrument # JEA1 Date 5-29-2016 Time 11:37

Notes

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

Observation Description

High tide outgoing tide
Mrd 80's Rain previous week

Recorded By AKalmbacher Computer Entry By A. Kalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

SECN Coastal Water Quality Monitoring

Station Name

Clapboard G14

Retrieval Information:

Retrieved By:

BD / AK

Instrument # JEA 1 Date 6-25-2018 Time 11:05

Barometric Pressure 764.9 mmHg pH7 (mv) -34.3 pH 10 / 4 (mv) -188.9 / 134.1

Battery Voltage 12.4 Turbidity wiper parked 180° (Y) / (N) ODO (Y) / (N)

Post Calibration Date 6-25-2018 Cond. Cell Constant 5.08815 pH Slope 168.4

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	24.2	50.00	7.0	10.0	4.0	100	0.0	0.0	—
Measured	24.3	49.95	7.15	9.96	4.08	101.8	0.05	0.9	—

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: A/L

ODO Probe: N pH Probe: A/L Turbidity: N

Comments:

Outgoing tide

hot/humid

Very little fouling on probes/sonde for extended deployment

File Name CC05292018

Any Probe Malfunctions

(Y) / (N)

If Y, please describe above

Download File

(Y) / (N)

Date 6-25-2018 Initials AK

Sent Datafile

(Y) / (N)

Date 6-29-2018 Initials AK

Sent Datasheet

(Y) / (N)

Date 6-29-2018 Initials AK

Recorded By:

A. Kalmbacher

Computer Entry By:

A. Kalmbacher

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:

2EA1

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.

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	5-29-18	0830	23.6	8.48	8.49	100		1.073	P/F	L/F
ICV			0835	23.6	8.48	8.49	100		1.073	(P)F	(L)F
CCV	A Kalmbacher	6-25-2018	1400	27.0	7.96	8.09	101.8		1.073	(P)F	(L)F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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	5-29-18	0837	170720C	8/2018	50,000	50,000	P/F	L/F
ICV			0840	1124820	6/2018	24,820	25,440	(P)F	(L)F
CCV	A Kalmbacher	6-25-2018	1405	170720C	8/2018	50,000	49,950	(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	5-29-18	0900	2711C81	11/2019	7.0	7.00	-29.6	P/F	L/F
Calibr.			0904	2711517	10/2019	4.0 3.99	4.03	137.3	P/F	L/F
Calibr.			0907	2711527	4/2019	10.0	9.99	191.9	P/F	L/F
ICV			0909	2711C81	11/2019	7.00	7.04	-30.2	(P)F	(L)F
CCV	A Kalmbacher	6-25-2018	1410	2711527	4/2019	10.0	9.96	-188.9	(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 10 162.3, slope from 4 to 7 166.9 (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	5-29-18	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: