

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name
Clayboard Creek

Calibration QC Pre-Deployment

Date 3-22-2018

QC'd By

Battery Voltage 12-3 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) 137 Battery Life (days) 117

Barometric Pressure 768 pH7 (mv) -23.5 pH10/4 (mv) -193.0/151.0

Conductivity Cell Constant 5.12587 ODO Gain 1.0364 pH Slope

169.5/174.5

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	21.56	50.00	7.0	10.0	4.0	100	0.00	0.0	126
Measured	21.76	50.00	7.05	10.00	4.03	101.0	0.00	0.1	125.9
Calibrate		50.00	7.0	9.99	4.0	100.1	0.00	-0.2	125.8

Start Time (Sonde) 13:00:00

File Name CC03222018 Start Date 3-22-2018 Start Time (Actual) 14:00:00

Deployment Information

Deployed By BD/AK

Instrument # JEA 1 Date 3-22-2018

Time 2:40 (1:40 sonde time)

Notes

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

Station Name

SECN Coastal Water Quality Monitoring

Chaparral Creek

Retrieval Information:

Retrieved By:

RD/AK

Instrument #

JEA1

Date

4-12-2018

Time

10:17

Barometric Pressure

767.2

mmHg

pH7 (mv)

-25.3

pH 10 / 4 (mv)

-148.2

/ 39.7

Battery Voltage

9.1

Turbidity wiper parked 180°

Y / N

ODO

Y / N

Post Calibration Date

4-12-2018

Cond. Cell Constant

5.125

pH Slope

172.9

/ 165.0

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	22.66	50.00	7.0	10	4.0	100	0.0	0.0	120
Measured	22.90	50.61	7.07	10.07	4.18	102.1	0.01	0.1	—

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:

Partly cloudy
outgoing tide

File Name

CC0222018

Any Probe Malfunctions

Y / (N)

If Y, please describe above

Download File

Y / N

Date

4-12-2018

Initials

AK

Sent Datafile

Y / N

Date

4-12-2018

Initials

AK

Sent Datasheet

Y / N

Date

4-12-2018

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 page.

Meter ID: 2EA1 RQ- Project: Clayboard 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	3-22-18	1220	21.7	8.79	8.80	100.1		1.0336	P/F	L/F
ICV			1230	22.2	8.70	8.81	101.0		1.0336	P/F	L/F
CCV	A. Kalmbacher	4-12-18	1400	23.3	8.53	8.72	102.1		1.0336	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	A. Kalmbacher	3-22-18	1235	1707201	8/2018	50,000	50,000	P/F	L/F
ICV			1238	1124820	6/2018	24,820	25,630	P/F	L/F
CCV	A. Kalmbacher	4-12-18	1425	1707200	8/2018	50,000	50,610	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	3-22-18	1240	2711C81	11/2019	7.0	7.00	-23.5	P/F	L/F
Calibr.			1243	2711517	10/2019	4.0	4.00	151.0	P/F	L/F
Calibr.			1248	2708A21	1/2019	10.0	9.99	-193.0	P/F	L/F
ICV			1252	2711C81	11/2019	7.0	7.05	-23.7	P/F	L/F
CCV	A. Kalmbacher	4-12-18	1428	2708A21	1/2019	10.0	10.67	-198.2	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 10 169.5, slope from 4 to 7 174.5 (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	3-22-18	1255	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: