

YSI Datasonde Datasheet v1.1 - Deployment

SECN Coastal Water Quality Monitoring

Station Name

Chaparral Creek

Calibration QC Pre-Deployment

Date 10-14-2019

QC'd By

Battery Voltage 11.9

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) 185

Battery Life (days) 117

Barometric Pressure 758.8

pH7 (mv)

pH10/4 (mv)

Conductivity Cell Constant 5.00163

ODO Gain 0.99292

pH Slope

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	24.19	50.00				100.0	0.0		
Measured	24.10	50.02				99.9	0.00		
Calibrate		50.00				99.9	0.00		

Start Time (Sonde) 9:30 EST

File Name CC10142019 Start Date 10-14-2019 Start Time (Actual) 10:30 EDT

Deployment Information

Deployed By BD/AK

Instrument # JEA 2 Date 10-14-2019

Time 9:50 EST

Notes

Very high tide - housing completely submerged
80's partly cloudy, outgoing tide

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

Observation Description

Recorded By AKalmbacher Computer Entry By AKalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clapboard Creek

Retrieval Information:

Retrieved By: BD/AKInstrument # SEA 2 Date 11-4-2019 Time 12:35 ESTBarometric Pressure 761 mmHg pH7 (mv) — pH 10 / 4 (mv) —Battery Voltage 11.7 Turbidity wiper parked 180° Y / N ODO (Y) / NPost Calibration Date 11-4-2019 Cond. Cell Constant 5.01541 pH Slope —

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	<u>23.87</u>	<u>50.00</u>				<u>100</u>	<u>0.00</u>		
Measured	<u>23.83</u>	<u>50.15</u>				<u>99.8</u>	<u>0.01</u>		

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: NODO Probe: N pH Probe: N Turbidity: N

Comments:

1 large stone crab in guard
probes very clean
Storm clouds building -skies dark
15-10 mph E wind incoming tide mid 70's

File Name CC10142019Any Probe Malfunctions Y / N

If Y, please describe above

Download File	<u>(Y) / N</u>	Date <u>11-4-2019</u>	Initials <u>AK</u>
Sent Datafile	<u>(Y) / N</u>	Date <u>11-5-2019</u>	Initials <u>AK</u>
Sent Datasheet	<u>(Y) / N</u>	Date <u>11-5-2019</u>	Initials <u>AK</u>

Recorded By: A. KalmbacherComputer 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 are qualified data on this page.

Meter ID: SEA 2 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.

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.	AKalmbacher	10-14-19	0825	23.9	758.8	8.4	8.4	99.9	—	0.9929	P/F	L/F
ICV			0828	23.9	758.8	8.4	8.41	99.9		0.9929	P/F	L/F
CCV	AKalmbacher	11-4-19	1545	24.5	761	8.4	8.30	99.8	—	0.9929	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	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	10-14-19	0835	R0711C	7/2020	50,000	50,000	P/F	L/F
ICV			0840	719820	12/2019	24,820	24,730	P/F	L/F
CCV	AKalmbacher	11-4-19	1550	19011C	7/2020	50,000	50,150	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 #	Explr. Date	pH Buffer SU	Temp °C	Meter reading SU	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	AKalmbacher	10-14-19	0842	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: