Station Name

TIMUclap02

SECN Coastal Water Quality Monitoring
Datasonde Datasheet v1.42 (11/2019) — DEPLOYMENT

Calibration / Pre-Deployment

Instrument (Sonde) # (SN): 5CA2

Calibration Date: 2/15/21 Calibrated By: Kim Appleby

Battery Voltage Pre-Calibration: 11.4 Battery Voltage >5.3: (Y) / N Battery Voltage Post-Calibration: 11.4

Central Wiper Replaced: (Y) / N Central Wiper Parking 180°: (Y) / N

Barometric Pressure (mmHg): 762.3 Conductivity Cell Constant: 4.86777 ODO Gain: 1.021

pH7 (mv): pH10 (mv): pH4 (mv)(check): pH Slope:

Parameter	Temp (°C)	Sp. Cond. (mS/cm)	Depth (m)	ODO (% Sat.)	ODO (mg/l)	pH7	pH10
Standard	22.35	50.00	0.00	100.0	8.7		
Measured	22.35	50.04	0.00	100.3	8.70		
Calibrated		50.00	0.00	100.4	8.70		

Parameter	pH4 (check)	Turbidity Low (FNU)	Turbidity High (FNU)	Chl Low (µg/l)	Chl High (µg/l)	BGA-PC Low (µg/l)	BGA-PC High (µg/l)
Standard							
Measured							
Calibrated							

Deployment

Deployed By: Kim Appleby & Brian Davis File Name: TIMUclap02 - 20210215 (Station name _YYYYMMDD)

Sonde Start Date: 2/15/21 Sonde Start Time: 1215 Eastern Standard Time (EST)

Actual Deployment Date: 2/15/21 Actual Time Placed in Water: ~~4~~ 1207 (EST)

Comments:

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

Observation Description:

Recorded By: Kim Appleby Computer Entry By / Date:

Certified By / Date:

SECN Coastal Water Quality Monitoring
YSI Datasonde Datasheet v1.42 (11/2019) — RETRIEVAL

Station Name: TIMUclap02

Retrieval

In situ Sonde # (SN): JEA2
Retrieved By: B Davis, K McDonald
Retrieval Date: 3/3/21
Retrieval Time: 1005 (EST)
Field Meter # (SN): 9AE
Field Meter Calibration Date: 3/3/21

On Site Readings

	Temp (°C)	Baro. Pres. (mmHg)	ODO (% Sat.)	ODO (mg/l)	Sp. Cond. (mS/cm)	Salinity (psu)	pH	Turb. (FNU)	Depth (m)	Chla (µg/l)	BGA (µg/l)
Field Meter	16.5	758.2	89.3	7.54	39.09	25.07			4.2		
In situ Sonde	16.15	758.2	95.4	8.02	40.44	25.90			3.75		

Fouling presence: Please record type of fouling AND amount (e.g. A, B, E, / H). *Types A= Algae, B= Barnacles, C= Crabs, E= Eggs, F= Fish, O= Other, N= none, S = Sediment / Amount H=Heavy, M= Moderate, L= Light, N= None*

Sonde/Guard: N External Screen: — Temp/Cond: —

ODO Probe: N pH Probe: — Turbidity: N

Post Deployment

Post Deployment Reading Date: 3/3/21 Battery Voltage: 10.9 Central Wiper Parking 180°: (Y) / N

Barometric Pressure (mmHg): 760.0 Conductivity Cell Constant: 4.87

pH7 (mv): / pH10 (mv): / pH Slope: / pH4 (mv): /

Parameter	Temp (°C)	Sp. Cond. (mS/cm)	Depth (m)	ODO (% Sat.)	ODO (mg/l)	pH7	pH10
Standard	22.27	50.000	0.00	100%	DO 8.37		
Measured (clean sensors)	22.00	49.930	-0.057	100.8%	8.81		

Parameter	pH4 (check)	Turbidity Low (FNU)	Turbidity High (FNU)	Chl Low (µg/l)	Chl High (µg/l)	BGA-PE Low (µg/l)	BGA-PE High (µg/l)
Standard							
Measured (clean sensors)							

Any Probe Malfunctions? Y / (N) If Y, describe in the comments.

File Name: CC021521 (Station name _YYYYMMDD)

Comments:

Recorded By: B Davis/Kelly McDonald Computer Entry By / Date:

Certified By / Date: B Davis

Used as "Field meter" on 2/15/21

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: DEA2 | ITQ: | 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.

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.	K. Appleby	2/15/21	932	~~22.35~~ 22.36	762.3	8.7	8.70	100.4	—	1.0216	P / F	L / F
ICV	↓	↓	933	22.35	762.3	8.7	8.70	100.3	—	1.0216	P / F	L / F
CCV	Brian Davis	3/3/21	1340	22.25	760.0	8.7	8.81	100.8	—	1.02	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	K. Appleby	2/15/21	938	20122Z	1/2022	50,000	50,000	P F	L F
ICV	↓	↓	940	20407B	4/2021	20,000	19,500	P F	L F
CCV	Brian Davis	3/3/21	1345	20122ZC	1/22	50,000	49,950	P F	L F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	K. Appleby	2/15/21				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 ± 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	K. Appleby	2/15/21	9:34	0.00	0.00	P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Form effective August 1, 2018

Used as "field meter" on 3/3/21

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: 9AE RQ- Project: Clipboard

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.	Brian Davis	3/3/21	800	21.69	758.2	8.8	8.81	99.6	✓	1.001	(P) / F	(L) / F
ICV		↓	802	21.37	758.2	8.8	8.81	99.4	✓	1.001	(P) / F	(L) / F
CCV		3/17/21	1444	25.1	760.5	8.3	8.26	100.5	✓	1.001	(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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	3/3/21	805	201222B	1/22	1000	1000	(P) / F	(L) / F
ICV			809	201222C	1/22	48300	50,000	(P) / F	(L) / F
CCV	Brian Davis	3/17/21	1450	200407B	4/21	20,000	19,130	(P) / F	(L) / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. 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 ± 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	Brian Davis	3/3/21	811	0.00	0.00	(P) / F	(L) / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Form effective August 1, 2018