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

Station Name

TIMUclap02

Calibration / Pre-Deployment

Instrument (Sonde) # (SN): 11F100555 (SEA2)

Calibration Date: 11-25-2019 Calibrated By: A. Kalmbacher

Battery Voltage Pre-Calibration: 11.7 Battery Voltage >5.3: (Y) / N Battery Voltage Post-Calibration: 11.6

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

Barometric Pressure (mmHg): 758.5 Conductivity Cell Constant: 5.01541 ODO Gain: 1.00116

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	22.53	50.00	0.00	100	8.64		
Measured	22.6	49.99	0.000	100.0	8.64		
Calibrated		50.00	0.000	99.8	8.63		

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: B. Davis / A. Kalmbacher File Name: TIMUclap02-20191125
(Station name _YYYYMMDD)

Sonde Start Date: 11-25-2019 Sonde Start Time: 12:00 Eastern Standard Time (EST)

Actual Deployment Date: 11-25-2019 Actual Time Placed in Water: 11:49 (EST)

Comments:

Battery life 115 days
Free Memory 164 days

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

Observation Description:

Recorded By: A. Kalmbacher Computer Entry By / Date: A Kalmbacher 12/17/2019

Certified By / Date: _____

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

Station Name
TIMUclap02

Retrieval

In situ Sonde # (SN): 11F100555
Retrieved By: AK/J.Parrish
Retrieval Date: 12-16-2019
Retrieval Time: 11:35 (EST)
Field Meter # (SN): 11F100854
Field Meter Calibration Date: 12-16-2019

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	17.3	764.5	92	7.77	34.52	21.7	—	—	3.0	—	—
In situ Sonde	17.3	764.5	87.1	7.38	33.08	20.7	—	—	4.1	—	—

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: C External Screen: N Temp/Cond: N

ODO Probe: N pH Probe: N Turbidity: N

Post Deployment

Post Deployment Reading Date: 12-16-2019 Battery Voltage: 11.1 Central Wiper Parking 180°: (Y) N

Barometric Pressure (mmHg): 764.5 Conductivity Cell Constant: 5.06327

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	23.2	50.00	0.000	100	8.5		
Measured (clean sensors)	23.9	51.18	0.001	100.7	8.47		

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: CC11252019 (Station name _YYYYMMDD)

Comments:
Silt on cap upon retrieval
Incoming tide pt. cloudy ~75°

Recorded By: A. Kalmbacher Computer Entry By / Date: A. Kalmbacher

Certified By / Date: _____

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: JEA 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	11-25-19	0840	22.6	758.5	8.6	8.63	99.8		1.00116	P / F	L / F
ICV			0843	22.6	758.5	8.6	8.64	100.0		1.00116	(P) F	(L) F
CCV	AKalmbacher	12-16-19	1450	23.9	764.5	8.5	8.47	100.7		1.00116	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.	AKalmbacher	11-25-19	0845	1907116	7/2020	50,000	50,000	P / F	L / F
ICV			0848	191025B	11/2020	20,000	20,080	(P) F	(L) F
CCV								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	AKalmbacher	11-25-19	0850	0.000	0.000	(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: