

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: SNEK

RQ: 2019-08-19-26

Project: SARASOTA TUGAL

- 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 6/18/19

DO	Name	Date	Time	Temp	Baro	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
DEP SOP			CT-ET	°C	meter	Chart	D.O.		Charge	Gain	/	/
FT 1500			DATE		mg/L	mg/L	mg/L				Fail	Field
Calibr.	BARRINBOW	0750	8/29/19	23.4	753.3	8.4	8.44	99.1	—	—	(P/F)	(L/F)
ICV	↓	0752	↓	23.3	753.3	8.4	8.46	99.2	—	—	(P/F)	(L/F)
CCV	Long Swell	1449	8/29/19	24.2	752.3	8.42	8.42	100.4	—	—	(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.	Name	Date	Time	Lot #	Expir. Date	Standard	Meter	Pass	Lab
FT 1200			CT-ET			μ mhos/cm	Reading μ mhos/cm	/	/
								Fail	Field
Calibr.	BARRINBOW	0754	8/29/19	2809DSU	9/20	10000	10000	(P/F)	(L/F)
ICV	↓	0756	↓	2904082	4/21	100	996	(P/F)	(L/F)
CCV	Long Swell	0456	8/29/19	2811E60	11/20	50.000	50114	(P/F)	(L/F)
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Expir. Date	pH Buffer	Temp	Meter	mV	Pass	Lab
DEP SOP			CT-ET			SU	°C	reading SU		/	/
FT 1100										Fail	Field
Calibr.	BARRINBOW	0758	8/29/19	191304	3/21	8.01	22.3	7.01	-30.1	(P/F)	(L/F)
Calibr.		0810		191303	3/21	4.01	26.3	4.00	149.4	(P/F)	(L/F)
Calibr.		0802		191735	4/21	10.02	23.8	10.01	-20.9	(P/F)	(L/F)
ICV	↓	0804	↓	191303	3/21	4.01	26.3	3.96	—	(P/F)	(L/F)
CCV	Long Swell	1458	8/29/19	191735	4/21	10.01	23.0	10.01	—	(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: 853126; Date of last verification: 6/18/19

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass	Lab
(Daily Calibration & ICV)			CT-ET	Value (0.00 or Offset), meters	meters	Fail	Field
Pressure mode in air						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: