

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 name.

Meter ID: DEP #154181 RQ: 2018-11-26-13 Project: LSSR Coast Boat

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 10-10-18

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 10-10-18

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.	P.O'Connor	12-10-18	0755	21.9	8.75	8.75	99.9	—	—	(P) F	(L) F
ICV	↓	↓	0758	22.0	8.74	8.74	99.9	—	—	(P) F	(L) F
CCV	C. Ruben	12-10-18	1511	18.5	9.37	9.40	100	—	—	(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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	P.O'Connor	12-10-18	0755	1024820	09-2019	24.820	24.813	(P) F	(L) F
ICV	↓	↓	0803	180919	09-2019	50,000	50,600	(P) F	(L) F
CCV	C. Ruben	12-10-18	1518	180919	09-2019	24,820	24,808	(P) F	(L) F
CCV				1024820				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.	P.O'Connor	12-10-18	0805	2809841	08-2020	7.0	7.03	-31.4	(P) F	(L) F
Calibr.	↓	↓	0810	2810332	09-2020	4.0	3.98	148.2	(P) F	(L) F
Calibr.	↓	↓	0813	1806F51	12-2019	10.0	9.99	-206.3	(P) F	(L) F
ICV	↓	↓	0817	2809841	08-2020	7.00	7.05	-32.6	(P) F	(L) F
CCV	C. Ruben	12-10-18	1515	1806F51	12-2019	10.0	10.0	-206.5	(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)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 10-10-18

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	C. Ruben	12-10-18	1530	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:

QC/Scanned BP 12/17/18 JP 12/14/18