

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: DESI

RQ: 2022-11-14-22

Project: Palatka

- 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 11/14/22

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. Halbert	12/1/22	720	21.4	767.6	8.9	-	101.0	-	1.019	(P) F	(L) F
ICV	K. Halbert	12/1/22	725	21.4	767.7	8.9	8.95	101.2	-	1.019	(P) F	(L) F
CCV	K. Halbert	12/1/22	1405	22.4	766.9	8.8	8.85	101.9	-	1.019	(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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	K. Halbert	12/1/22	726	220719A	07/2023	1000	1000	(P) F	(L) F
ICV	K. Halbert	12/1/22	734	210917A	03/2023	100	104.7	(P) F	(L) F
CCV	K. Halbert	12/1/22	1406	220205B	03/2023	50000	50631	(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 #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	K. Halbert	12/1/22	735	M118-15	5/2/24	7.02	21.7	7.02	-22.4	(P) F	(L) F
Calibr.	K. Halbert	12/1/22	738	L344-18	12/24/23	4.00	21.8	4.00	148.7	(P) F	(L) F
Calibr.	K. Halbert	12/1/22	745	M103-01	4/19/24	10.04	21.8	10.04	-192.8	(P) F	(L) F
ICV	K. Halbert	12/1/22	749	M118-15	5/2/24	7.02	21.7	6.98	-19.9	(P) F	(L) F
CCV	K. Halbert	12/1/22	1410	L344-KH	4/19/24	10.03	22.5	10.03	-193.6	(P) F	(L) F
CCV				M103-01						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 10 170.4, slope from 4 to 7 171.1 (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: 11/14/22

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. Halbert	12/1/22	751	0.000	0.000	(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: