

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:

2020-02-03-22

Project:

St Augustine

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

10/23/2019

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	2/6/20	749	23.0	755.5	8.5	8.53	99.4	-	1.05	P/F	L/F
ICV	↓	2/6/20	751	23.1	755.5	8.5	8.53	99.5	-	1.05	P/F	L/F
CCV	K. McDonald	↓	1515	23.3	749.5	8.4	8.37	98.2	-	1.05	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. Appleby	2/6/20	753	191018	10/2020	1,000	1000	P/F	L/F
ICV	↓	↓	755	191025B	11/2020	20,000	19,615	P/F	L/F
CCV	K. McDonald	↓	1520	190711C	7/2020	50,000	50,421	P/F	L/F
CCV	↓	↓	1521	147103	4/2020	147	157.2	P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

145.1

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	2/6/20	802	2902778	1/2021	7.00	23.9	7.00	-37.8	P/F	L/F
Calibr.	↓	↓	804	2907D62	7/2021	4.00	23.2	4.00	141.4	P/F	L/F
Calibr.	↓	↓	806	2904E91	10/2020	10.00	23.7	10.00	-208.1	P/F	L/F
ICV	↓	↓	809	2902778	1/2021	7.00	23.5	7.07	-37.9	P/F	L/F
CCV	K. McDonald	↓	1527	2904E91	10/20	10.00	24.8	9.98	-210.1	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 10 170.3 , slope from 4 to 7 179.2 (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: 10/23/19

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	2/6/20	806	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: