

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: FT1500

RD: 2019-3-4

Project: W3 + PHIL

Boldly "X" this box if there are qualified data on this page.

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

12/20/18

DO DEP SOP FT 1500	Name	Date	Time	Temp °C	Barg meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	S. COFEE	3/13/19	0814	24.69	766	8.31	8.36	100.1	3		(P) F	L / F
ICV	"	"	0815	24.23	766	8.39	8.41	100.2			(P) F	L / F
CCV	S. COFEE	3/13/19	1536	23.33	766	8.53	8.66	101.7			(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 1280	Name	Date	Time	Lot #	Expir. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	S. COFEE	3/13/19	0816	7000890	8/20	1466	1466	(P) F	L / F
ICV	"	"	0816	781641	10/20	566	566	(P) F	L / F
CCV	S. COFEE	3/13/19	1536	781641	11/20	50.000	50.952	(P) F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	S. COFEE	3/13/19	0826	187687	11/20	7.00	25.1	6.98	-110	(P) F	L / F
Calibr.	"	"	0827	187687	11/20	4.00	25.1	9.06	600	(P) F	L / F
Calibr.	"	"	0828	187687	10/20	10.00	25.1	9.94	-101.2	(P) F	L / F
ICV	"	"	0829	187687	11/20	4.00	25.1	4.61		(P) F	L / F
CCV	S. COFEE	3/13/19	1546	186877	11/20	10.00	24.71	10.41		(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: 12/20/18

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 3033 Date of last verification: 12/20/18

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