

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:

12295

RQ:

2018-07-23-14

Project:

GAT + DIT

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

6/19/18

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.	S. COFAR	7/20/18	0645	25.48	760	8.19	8.16	99.6	158.7		(P) F	(L) F
ICV	"	"	0647	24.79	760	8.29	8.31	101.3	63.5		(P) F	(L) F
CCV	S. COFAR	9/20/18	1415	24.31	760	8.37	8.26	102.3	64.5		(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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	S. COFAR	9/20/18	0650	180522A	06/19	1440	1440	(P) F	(L) F
ICV	"	"	0651	2804490	4/20	540	540	(P) F	(L) F
CCV	S. COFAR	9/20/18	1417	271127	11/19	54,000	49879	(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.	S. COFAR	9/20/18	0654	180084	02/20	6.99	25.19	7.00	-15.5	(P) F	(L) F
Calibr.	"	"	0655	18328	7/20	4.00	25.44	4.00	158.9	(P) F	(L) F
Calibr.	"	"	0658	181282	5/20	10.03	25.6	10.00	-192.0	(P) F	(L) F
ICV	"	"	0700	183218	7/20	4.00	25.5	4.00	164.6	(P) F	(L) F
CCV	S. COFAR	9/20/18	1419	181282	5/20	10.03	24.54	9.96	-183.7	(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: **100020122** 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						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: