

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

Boldly "x" the box if there is qualified data this page.

Meter ID: Arya

RQ: 2019-04-29-66

Project: SMP SLE 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

03/07/2019

DO	Name	Date	Time	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
Calibr.	Kristene B.	4/29	8:03	23.4	758	8.51	8.49	99.8	/	1.037	P/F	L/F	
ICV	"	"	8:04	23.4	758	8.51	8.50	99.8	/	1.037	P/F	L/F	
CCV	Kristene B.	4/29	8:17	26.5	758	8.08	8.08	100	/	1.037	P/F	L/F	
CCV	"	"	16:17			8.04					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.

DO	Name	Date	Time	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
Calibr.	Kristene B.	4/29	8:11	2901833	12/20	1000	1000				P/F	L/F	
ICV	"	"	8:13	2812465	12/20	100	100.8				P/F	L/F	
CCV	Kristene B.	"	16:19	2708H90	8/19	50,000	49011				P/F	L/F	
CCV	"	"									P/F	L/F	

Conductivity Acceptance criteria $\pm 5\%$

DO	Name	Date	Time	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
Calibr.	Kristene B.	4/29	8:15	186926	10/20	7.01	24.3	7.01	-18.9		P/F	L/F	
Calibr.	"	"	8:17	187188	11/20	4.00	24.3	4.00	156.8		P/F	L/F	
Calibr.	"	"	8:20	187680	12/20	10.01	24.2	10.01	-1985		P/F	L/F	
ICV	"	"	8:21	"	"	10	24.2	10.01	-198		P/F	L/F	
CCV	Kristene B.	"	"	"	"	4	25.9	4.11	156.8		P/F	L/F	
CCV	"	"	16:21								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 10 180, slope from 4 to 7 175.7 (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: 03/07/19

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	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	Kristene B.	4/29	8:23	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: