

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

Meter ID: The one

RQ: 2024-05-06-11

Project: 25442405

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.

SCCF Algal Bloom Dynamics

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 6/13/24

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 Gauge	Probe Gain	Pass	Lab
Calibr.	Monica Jaeger	6/17/24	657	22.3	760.9	8.70	8.70	100.1	—	1.033	(P/F)	(L) F
ICV	"	"	659	22.3	760.7	8.70	8.70	100.1	—	—	(P/F)	(L) F
CCV	Monica Jaeger	6/17/24	1528	26.6	759.2	8.00	7.98	99.5	—	—	(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 moles/cm	Meter Reading μ moles/cm	Pass	Lab
Calibr.	Monica Jaeger	6/17/24	701	2309J21	9/25	2500	2500	(P/F)	(L) F
ICV	"	"	706	2306J21	6/25	100	102.3	(P/F)	(L) F
CCV	Monica Jaeger	6/17/24	1530	2309J21	9/25	2500	2487	(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	Lab
Calibr.	Monica Jaeger	6/17/24	708	2305H95	4/25	7.01	21.8	7.01	-60.7	(P/F)	(L) F
Calibr.	"	"	700	1311E29	10/25	4.00	22.1	4.00	120.4	(P/F)	(L) F
Calibr.	"	"	712	1309L49	3/25	10.04	22.0	10.04	-228.4	(P/F)	(L) F
ICV	"	"	714	1311E25	10/25	4.00	21.9	3.99	—	(P/F)	(L) F
CCV	Monica Jaeger	6/17/24	1532	1309L49	3/25	10.00	23.4	10.01	—	(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 67.7, slope from 4 to 7 181.1 (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: 6/13/24

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Slipping Disk; Date of last verification: 6/13/24

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset) meters	ICV Value meters	Pass	Lab
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: