

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: Friday

RQ: 2021-07-12-21

Project: Hab Resp

- 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 05/18/21

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.	Thomas Baker	07/08/21	0704	23.8	758.4	8.4	8.46	99.8		1.05	Ⓟ / F	Ⓟ / F
ICV	Thomas Baker	07/08/21	0710	23.6	758.4	8.4	8.46	99.7			Ⓟ / F	Ⓟ / F
CCV	Monica Jaeger	07/08/21	1001	26.1	759.0	8.1	8.05	99.4			Ⓟ / F	Ⓟ / 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.	Thomas Baker	07/08/21	0711	1009989	8/22	2500	2500	Ⓟ / F	Ⓟ / F
ICV	Thomas Baker	07/08/21	0713	2012470	11/22	500	491.4	Ⓟ / F	Ⓟ / F
CCV	Monica Jaeger	7/8/21	1004	1106A32	5/23	100	100.2	Ⓟ / F	Ⓟ / 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.	Thomas Baker	07/08/21	0715	2102457	02/23	7.00	23.8	7.00	-95.2	Ⓟ / F	Ⓟ / F
Calibr.	Thomas Baker	07/08/21	0716	2104A60	03/23	4.01	23.8	4.01	72.0	Ⓟ / F	Ⓟ / F
Calibr.	Thomas Baker	07/08/21	0717	1102821	07/22	10.02	23.9	10.02	-254.3	Ⓟ / F	Ⓟ / F
ICV	Thomas Baker	07/08/21	0720	2104A60	03/23	4.01	23.7	3.97		Ⓟ / F	Ⓟ / F
CCV	Monica Jaeger	7/8/21	1006	1102821	7/22	10.02	23.2	10.18		Ⓟ / F	Ⓟ / 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 10 159.1, slope from 4 to 7 182.3 (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: Deeper Blue; Date of last verification: 02/11/21

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: