

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

Holdly "X" this box if there are questionable data on this page.

Meter ID: Crowdaddy RQ- 2023-05-01-21 Project: SMI

- 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 4/14/23

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.	Jessie Atchison	5/1/23	0710	23.3	754.9	8.5	8.47	99.3	/	1.06	P/F	L/F
ICV		1	0719	23.3	754.9	8.5	8.48	99.5	/		P/F	L/F
CCV	Terry Riordan	5/2/23	0648	22.7	755.0	8.6	9.48	109.9	/	/	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.	Jessie Atchison	5/1/23	0727	2212B31	12/24	1000	1000	P/F	L/F
ICV		1	0731	2207E95	7/24	100	100	P/F	L/F
CCV	Terry Riordan	1	1328	2207G95	07/24	100	99.5	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.	Jessie Atchison	5/1/23	0735	223156	6/24	7.00	23.5	7.01	39.2	P/F	L/F
Calibr.			0742	225424	11/24	4.00	23.3	4.00	139.5	P/F	L/F
Calibr.			0747	222715	7/24	10.01	23.5	10.02	216.8	P/F	L/F
ICV			0751	1	1	10.01	23.6	10.02	216.9	P/F	L/F
CCV	Terry Riordan	1	1330	225424	11/24	4.00	23.5	4.04	136.9	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 10 177.6, slope from 4 to 7 178.7 (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: 4/14/23
 If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Knothead; Date of last verification: 11/22/22

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	Jessie Atchison	5/1/23	0753	0.272	0.219	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:

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: Shrimptrap RQ: 2023-05-01-20 Project: SMP

- 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 4/14/23

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.	Jessie Atchison	5/1/23	0717	22.4	755.1	8.6	8.6	99.4		1.03	P/F	L/F
ICV			0719	22.5	755	8.6	8.6	99.4			P/F	L/F
CCV	Katie March		1513	23.1	753.4	8.5	8.75	102.2			P/F	L/F
CCV							8.75				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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Jessie Atchison	5/1/23	0722	2207493	6/24	1000	1000	P/F	L/F
ICV			0729	2207495	7/24	100	100	P/F	L/F
CCV	K. March		1516	2207695	7/24	100	99.7	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.	Jessie Atchison	5/1/23	0733	223156	6/24	7.00	23.6	7.01	-44.4	P/F	L/F
Calibr.			0739	225424	11/24	4.00	23.6	4.00	134.7	P/F	L/F
Calibr.			0745	222715	7/24	10.01	23.6	10.02	-221.8	P/F	L/F
ICV			0749			10.01	23.6	10.00	-220.6	P/F	L/F
CCV	K. March		1519	225424	11/24	4.00	23.5	4.00	134.5	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 10 177.4, slope from 4 to 7 179.1 (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: 4/14/23
 If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: light; Date of last verification: 11/29/22

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	Jessie Atchison	5/1/23	0752	0.272	0.274	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: