

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: 2023-01-30-23

Project: SNP/Trend

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 11/25/23

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	2/1/23	0721	24.6	762.9	8.4	8.36	100.4	/	1032	P / F	L / F
ICV	"	"	"	0722	24.7	762.9	8.3	8.36	100.5	/	P / F	L / F
CCV	"	"	"	1505	25.1	761.7	8.3	8.43	102.3	/	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	2/1/23	0727	220328A	04/23	1000	1000	P / F	L / F
ICV	"	"	"	0732	2206860	100	100	P / F	L / F
CCV	"	"	"	1508	2206860	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	2/1/23	0736	223150	01/24	7.00	25.1	7.00	40.4	P / F	L / F	
Calibr.	"	"	"	0743	215478	07/23	4.00	25.2	4.01	138.2	P / F	L / F
Calibr.	"	"	"	0745	213014	05/23	10.00	25.2	10.00	27.1	P / F	L / F
ICV	"	"	"	0749	213014	05/23	10.00	25.2	10.00	27.2	P / F	L / F
CCV	"	"	"	1510	215478	07/23	4.00	25.0	4.04	135.7	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 10 176.7, slope from 4 to 7 178.6 (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: 11/25/23

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	2/1/23	0750	0.272	0.275	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:

2023-01-30-27
2023-01-23-24

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

Meter ID: Crawdadddy

RQ: 2023-01-30-28

Project: SMP5Trend

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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 1/25/23

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	2/1/23	0723	25.5	762.6	8.2	8.21	100.3	✓	1.005	P/F	L/F
ICV	"	"	0727	25.6	762.9	8.2	8.21	100.5	✓		P/F	L/F
CCV	"	"	1505	25.1	761.7	8.3	8.43	102.3	✓		P/F	L/F
CCV	K. March	2/1/23	1613								P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.
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	2/1/23	0731	2203284	04/23	1000	1000	P/F	L/F
ICV	"	"	0735	2206860	05/24	100	100	P/F	L/F
CCV	"	"	1508	2206860	05/24	100	99.7	P/F	L/F
CCV	K. March	2/1/23	1616	2206860	5/24	100	100.8	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	2/1/23	0738	223156	06/24	7.00	25.1	7.00	36.1	P/F	L/F
Calibr.	"	"	0745	215478	07/23	4.00	25.1	4.01	142.1	P/F	L/F
Calibr.	"	"	0750	213014	05/23	10.00	25.1	10.00	214.2	P/F	L/F
Calibr.	"	"	0751	213014	05/23	10.00	25.2	10.01	214.7	P/F	L/F
ICV	"	"	0751	213014	05/23	4.00	25.0	4.04	135.7	P/F	L/F
CCV	"	"	1510	215478	07/23	4.00	25.1	4.08	140.2	P/F	L/F
CCV	K. March	2/1/23	1620	215478	7/23	4.00	25.1	4.08	140.2	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 10 178.1, slope from 4 to 7 178.2 (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: 1/25/23
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	2/1/23	0752	0.272	0.220	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: