

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

Boldly "X" this box if there is qualified data on this page.

Meter YSI #3 RQ- 2017-05-27-11 Project Ocklawaha, Fla

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site 6/2/17

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 5/31/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J Parrish	6/8/17	725	22.66	8.62	8.63	100	44.1	0.88	P	L
ICV	B D ~ V	↓	726	22.7	8.62	8.64	100.1	44.1	0.88	P	L
CCV	↓	↓	1410	23.3	8.53	8.27	97.0	40.0	0.88	P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; 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.	B D ~ V	6/8/17	731	170315B	3/18	1000	1000	P	L
ICV	↓	↓	733	170315A	3/18	100	100	P	L
CCV	↓	↓	1413	61472017	12/17	147	147	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	B D ~ V	6/8/17	735	2702C47	2/19	7.0	7.0	8.4	P	L
Calibr.	↓	↓	738	26KF42	10/18	4.0	4.0	167.8	P	L
Calibr.	↓	↓	742	2611998	5/18	10.0	9.97	94.2	P	L
ICV	↓	↓	745	2702C47	2/19	7.0	7.01	110	P	L
CCV	↓	↓	1417	2610F42	5/18	4.0	4.03	164.6	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

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

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Meter QuantA #1 RQ- 2017-06-12-31 Project NASSAU WEST

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____
Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 06-2017

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	PO Connor	06-08-17	0650	24.3	8.37	8.34	100.0	—	—	Pass	LAD
ICV	✓	✓	0655	24.3	8.37	8.34	100.0	—	—	Pass	LAD
CCV	PO Connor	06-08-17	1300	23.8	8.44	8.4	99.8	—	—	Pass	LAD
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; 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.	PO Conn	06-08-17	0656	170315B	03-2018	1000	1000	Pass	LAD
ICV	✓	✓	0700	170315A	03-2018	100	101	Pass	LAD
CCV	PO Conn	06-08-17	1303	170315B	03-2018	1000	1004	Pass	LAD
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	PO Conn	06-08-17	0755	2702C47	02/2019	7.0	7.00	—	Pass	LAD
Calibr.	✓	✓	0707	2610F42	10/2018	4.0	4.00	—	Pass	LAD
Calibr.	✓	✓	0739	2610F42	10/2018	4.0	4.00	—	Pass	LAD
ICV	✓	✓	0745	2611998	05-2018	10.0	9.90	—	Pass	LAD
CCV	PO Conn	06-08-17	1305	2702C47	02-2019	7.0	7.09	—	Pass	LAD
CCV	✓	✓		2610F42	10/2018	4.0	4.06	—	Pass	LAD
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification N/A

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater