

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

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

Meter ID:

YSI 118154

Project:

Alachua lakes

- 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 Lab

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

1/22/16

DO DEP SOP FT 1500 Calibr.	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass /	Lab /
	J. Gruentzel	2/16/16	0722	22.47	8.66	8.67	100.0	58.4	0.95659	P	L
ICV	J. Gruentzel	2/16/16	0724	22.47	8.66	8.67	100.0	58.4	0.95659	P	L
CCV				22.48	8.64	8.64	100.0				
CCV	J. Gruentzel	2/16/16	1753	24.05	8.41	8.93	106.2	59.4	0.9239	F	L

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.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass /	Lab /
Calibr.	J. Gruentzel	2/16/16	0727	1151138	1/2016	1000	1000	P	L
ICV	J. Gruentzel	2/16/16	0728	1151138	1/2016	1000	1000	P	L
CCV	J. Gruentzel	2/16/16	1740	1151138	1/2016	1000	1018	P	L
CCV	"	2/16/16	1742	150701A	1/2016	100	104	P	L

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
Calibr.	J. Gruentzel	2/16/16	0733	2504B18	4/17	7.0	6.98	-47.3	P	L
Calibr.	J. Gruentzel	2/16/16	0734	2509F74	9/17	4.0	4.00	133.5	P	L
Calibr.	J. Gruentzel	2/16/16	0735	2506025	11/16	10.0	9.96	-217.3	P	L
ICV	J. Gruentzel	2/16/16	0737	25062675	11/16	10.0	9.96	-217.2	P	L
CCV	J. Gruentzel	2/16/16	1743	2504B18	4/17	7.0	7.14	-52.0	P	L
CCV	"	2/16/16	1745	2506025	11/16	10.0	9.98	-219.2	P	L

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 m

Depth (Quarterly)

Date of Last Depth Verification

1/22/16

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air	J. Gruentzel	2/16/16	0743	0.000	0.00	P	L

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