

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

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

Meter ID: 12 YSI 600 XLM

September 2008 GENERAL version

Date 8-26-14 Calibration Time: 6:52 Project Name: Middle Santa Fe Study

All Times Are: ETZ or CTZ (circle one)

Circle/Fill In: Lab Calibration or Calibration on Site The Lodge at Gainesville

Temperature (Monthly)

Date of Last Temperature Verification 8-25-14

Ice Bath: Probe 11.8 °C NIST 11.9 °C Warm Bath: Probe 41.9 °C NIST 42.0 °C

Pass or Fail
P F

Dissolved Oxygen

In Calibrate Mode

Initial Reading: 8.67 mg/L @ Temp. 23.2 °C % DO 101.1 P F

Calibrated Reading: 8.50 mg/L @ Temp. 23.5 °C % DO 100.0 P F

In Run Mode

Initial Calib. Verification: 8.34 mg/L @ Temp. 24.27 °C % DO 99.9 P F

Specific Conductance

In Calibrate Mode

Calibration:	Exp. Date	Lot #	Standard	Initial Reading	Calibrated Reading
	<u>4/15</u>	<u>140402B</u>	<u>1000</u> µmhos/cm	<u>989</u> µmhos/cm	<u>1000</u> <u>P</u> F

In Run Mode

Initial Calib. Verification:	Exp. Date	Lot #	Standard	Initial Reading	Calibrated Reading
	<u>9/14</u>	<u>2304388</u>	<u>100</u> µmhos/cm	<u>99</u> µmhos/cm	<u>P</u> F

pH

Standard	Exp. Date	Lot #	Initial Reading	Temperature	Calibrated Reading	Temperature
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In Calibrate Mode

7.0 SU	<u>4/15</u>	<u>132908</u>	<u>7.08</u> SU	<u>23.99</u> °C	<u>7.00</u> SU	<u>24.00</u> °C <u>P</u> F
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4.0 SU	<u>3/15</u>	<u>131596</u>	<u>3.98</u> SU	<u>24.27</u> °C	<u>4.00</u> SU	<u>24.26</u> °C <u>P</u> F
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10.0 SU	<u>2/15</u>	<u>130972</u>	<u>9.90</u> SU	<u>24.24</u> °C	<u>9.99</u> SU	<u>24.24</u> °C <u>P</u> F
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In Run Mode

Initial Calib. Verification: 7 SU 4/15 132908 7.01 SU 24.01 °C P F

Maintenance: Weekly PH Slope: _____ Specific Conductance Probe Cleaned? Y N
Notes: Dissolved Oxygen Membrane Changed? Y N

Site ID:
Project:

Chris Green
Print name of person performing calibrations.

Acceptance Criteria: (DO ±0.3mg/l) (Specific Conductance ± 5%) (pH ± 0.2SU) (Temperature ±0.5°C) Warm bath Appx. 40°C
Record Temperature and pH to 1 decimal place; D.O. to 2 decimal places

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

Meter ID: 12 YSI 600 XLm

September 2008 GENERAL version

Date 8-26-14 Mid-Day Time: _____ End-of-Day Time: 18:03

All Times Are: ETZ or CTZ (circle one)

Temperature (Monthly) Date of Last Temperature Verification 8-25-14

Ice Bath: Probe 11.8 °C NIST 11.9 °C Warm Bath: Probe 41.9 °C NIST 42.0 °C

Pass or Fail
P F

Dissolved Oxygen In Run Mode

Mid-Day _____ mg/L @ Temp. _____ °C % DO _____ P F

End-of-Day 8.00 mg/L @ Temp. 26.26 °C % DO 99.0 P F

Specific Conductance In Run Mode

Exp. Date Lot # Standard Reading P F

Mid-Day _____ μmhos/cm _____ μmhos/cm P F

End-of-Day 6/15 2312751 5000 4994 P F

9/14 2210052 500 100 P

9/14 2304388 500 498 P

11/14 2306509 500 498 P

pH In Run Mode

Bracketing Standard Exp. Date Lot # Reading Temperature

Mid-Day _____ SU _____ SU _____ °C P F

End-of-Day 4 SU 3/15 131596 4.02 SU 24.12 °C P F

10 2/15 130972 9.98 24.08 P

Notes:

Site ID:
Project:

Maintenance: Specific Conductance Probe Cleaned? Y N
Dissolved Oxygen Membrane Changed: Y N

Chris Green
Print name of person performing calibrations.

Acceptance Criteria: (DO ±0.3mg/l) (Specific Conductance ± 5%) (pH ± 0.2SU) (Temperature ±0.5°C) Warm bath Appx. 40°C
Record Temperature and pH to 1 decimal place; D.O. to 2 decimal places