

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 XL1

September 2008 GENERAL version

Date 6-18-14 Calibration Time: 6:38 Project Name: Santa Fe Study

All Times Are: ETZ or CTZ (circle one)

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

Temperature (Monthly)

Date of Last Temperature Verification 5-20-14

Pass or Fail
P F

Ice Bath: Probe 12.6 °C NIST 12.7 °C Warm Bath: Probe 42.0 °C NIST 42.1 °C

Dissolved Oxygen

In Calibrate Mode

Initial Reading: 8.28 mg/L @ Temp. 24.9 °C % DO 100.2 P F

Calibrated Reading: 8.30 mg/L @ Temp. 24.8 °C % DO 100.0 P F

In Run Mode

Initial Calib. Verification: 8.40 mg/L @ Temp. 24.3 °C % DO 100.3 P F

Specific Conductance

In Calibrate Mode

Calibration:	Exp. Date	Lot #	Standard	Initial Reading	Calibrated Reading
	<u>3/15</u>	<u>2310714</u>	<u>1000</u> µmhos/cm	<u>1001</u> µmhos/cm	<u>1000</u> <u>P</u> F

In Run Mode

Initial Calib. Verification:	<u>10/14</u>	<u>2304006</u>	<u>100</u> µmhos/cm	<u>100</u> µmhos/cm	<u>P</u> F
------------------------------	--------------	----------------	------------------------	------------------------	------------

pH

Standard	Exp. Date	Lot #	Initial Reading	Temperature	Calibrated Reading	Temperature
----------	-----------	-------	-----------------	-------------	--------------------	-------------

In Calibrate Mode

7.0 SU	<u>4/15</u>	<u>132908</u>	<u>7.0</u> <u>7.70</u> SU	<u>24.3</u> °C	<u>7.0</u> SU	<u>24.3</u> °C <u>P</u> F
--------	-------------	---------------	------------------------------	----------------	---------------	---------------------------

4.0 SU	<u>3/15</u>	<u>131596</u>	<u>4.0</u> SU	<u>24.5</u> °C	<u>4.0</u> SU	<u>24.5</u> °C <u>P</u> F
--------	-------------	---------------	---------------	----------------	---------------	---------------------------

10.0 SU	<u>2/15</u>	<u>170972</u>	<u>10.0</u> SU	<u>24.2</u> °C	<u>10.0</u> SU	<u>24.2</u> °C <u>P</u> F
---------	-------------	---------------	----------------	----------------	----------------	---------------------------

In Run Mode

Initial Calib. Verification: 7 SU 4/15 132908 7.0 SU 24.3 °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 ± 0.3 mg/l) (Specific Conductance $\pm 5\%$) (pH ± 0.2 SU) (Temperature ± 0.5 °C) Warm bath Appx. 40 °C
Record Temperature and pH to 1 decimal place; D.O. to 2 decimal places

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

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

Meter ID: 12 YSI 600XLm

September 2008 GENERAL version

Date 6-18-14 Mid-Day Time: _____ End-of-Day Time: 18:51

All Times Are: ETZ or CTZ (circle one)

Temperature (Monthly) Date of Last Temperature Verification 5-20-14

Ice Bath: Probe 12.6 °C NIST 12.7 °C Warm Bath: Probe 42.0 °C NIST 42.1 °C

Pass or Fail
P F

Dissolved Oxygen In Run Mode

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

End-of-Day 8.31 mg/L @ Temp. 24.7 °C % DO 100.1 P F

Specific Conductance In Run Mode

Exp. Date Lot # Standard Reading

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

End-of-Day 11/14 2306509 500 500 μmhos/cm μmhos/cm P F

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 4.0 SU 24.6 °C P F
10 2/15 130972 10.0 24.5 P

Notes:

Site ID:
Project:

Maintenance: Specific Conductance Probe Cleaned? _____
Dissolved Oxygen Membrane Changed: _____

Y N
Y N

Chris Green
Print name of person performing calibrations.

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