Figure 23. Calibration Log (Example)

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

September 2008 version

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

Meter ID: QD Ø2228 HYDROLAB QUANTA

Date 07 MAR 2010 Calibration Time: 1635 Project Name: ROYAL COAST SPRING SHIP

All Times Are: (ETZ) or CTZ (circle one)

Circle/Fill In: (Lab Calibration) or Calibration on Site_____

Temperature (Monthly) *Date of Last Temperature Verification* _____

Ice Bath: Probe_____°C NIST_____°C Warm Bath: Probe_____°C NIST_____°C

Pass or Fail P F

Dissolved Oxygen TARGET

In Calibrate Mode

Initial Reading: 8.79 mg/L @ Temp. 20.35 °C % DO 98.7 (P) F 9.0

Calibrated Reading: 9.02 mg/L @ Temp. 20.37 °C % DO 100.0 (P) F

In Run Mode

Initial Calib. Verification: _____mg/L @ Temp. _____°C % DO_____ P F

Specific Conductance

	Exp. Date	Lot #	Standard	Initial Reading	Calibrated Reading	
In Calibrate Mode Calibration:	AUG 2011	2002464	1000 µmhos/cm	1029 µmhos/cm	1000 µmhos/cm	(P) F
In Run Mode Initial Calib. Verification:	AUG 2011	2002463	100 µmhos/cm	100 µmhos/cm		(P) F

pH

Standard	Exp. Date	Lot #	Initial Reading	Temperature	Calibrated Reading	Temperature	
Initial Calibration:		*In Calibrate Mode*					
7.0 SU	05/2011	092513	7.07 SU	20.21 °C	7.00 SU	20.21 °C	(P) F
~~4.0 SU~~	_____	_____	_____ SU	_____ °C	_____ SU	_____ °C	P F
10.0 SU	05/2011	092627	9.95 SU	20.32 °C	10.00 SU	20.32 °C	(P) F
Initial Calibration Verification:		*In Run Mode*					
_____ SU	_____	_____	_____ SU	_____ °C			P F

Maintenance: Weekly PH Slope:_____ Specific Conductance Probe Cleaned? (Y) N

Notes: Dissolved Oxygen Membrane Changed? Y (N)

PASS

Site ID:
Project:

JAMES MCCLOAN

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

Figure 23. Calibration Log (Example)

CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000) September 2008 version

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

Meter ID: QD 06976 HYDROLAB QUANTA

Date 07 MAR 2010 Calibration Time: 1900 Project Name: ROYAL R CONNECT SPRINGSAFE

All Times Are: (ETZ) or CTZ (circle one)

Circle/Fill In: (Lab Calibration) or Calibration on Site_____

Temperature (Monthly) *Date of Last Temperature Verification* _____

Ice Bath: Probe_____°C NIST_____°C Warm Bath: Probe_____°C NIST_____°C — Pass or Fail: P F

Dissolved Oxygen

In Calibrate Mode

Initial Reading: 8.18 mg/L @ Temp. 22.0 °C % DO 93.4 — P (F) — TARGET 8.74

Calibrated Reading: 8.76 mg/L @ Temp. 21.8 °C % DO 19.6 — (P) F — 8.77

In Run Mode

Initial Calib. Verification: _____ mg/L @ Temp. _____ °C % DO _____ — P F

Specific Conductance

	Exp. Date	Lot #	Standard	Initial Reading	Calibrated Reading	
In Calibrate Mode Calibration:	AUG 2011	2002464	1000 µmhos/cm	1025 µmhos/cm	1000 µmhos/cm	(P) F
In Run Mode Initial Calib. Verification:	AUG 2011	2002463	100 µmhos/cm	97 µmhos/cm		(P) F

pH

Standard	Exp. Date	Lot #	Initial Reading	Temperature	Calibrated Reading	Temperature	
Initial Calibration:		*In Calibrate Mode*					
7.0 SU	05/2011	012513	6.75 SU	20.34 °C	7.00 SU	20.37 °C	(P) F
4.0 SU	_____	_____	_____ SU	_____ °C	_____ SU	_____ °C	P F
10.0 SU	05/2011	092627	10.15 SU	20.40 °C	10.00 SU	20.43 °C	(P) F

Initial Calibration Verification: *In Run Mode*

_____ SU _____ _____ _____ SU _____ °C P F

Maintenance: Weekly PH Slope:_____ Specific Conductance Probe Cleaned? Y (N)

Notes: Dissolved Oxygen Membrane Changed? Y (N)

PASS CALIBRATION

Site ID:
Project:

JAMES MCLEAN
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