

CALIBRATION WORK SHEET

Date of Calibration: 4/5/2014
 Technician: Celipi

Sonde ID: 036-0061 AA

- RP DO membrane changed? Y N *Note: Wait 3 to 6 hours before calibrating for unattended*
 RP DO membrane o-ring changed? Y N *deployments; run in Discrete mode for 10 minutes to accelerate burn in. (Rapid Pulse DO Only)*
 Turbidity wiper changed? Y N Chlorophyll wiper changed? Y N
 ROX DO wiper changed? Y N BGA-PE wiper changed? Y N
 BGA-PC wiper changed? Y N Rhodamine wiper changed? Y N

Note: If parking problems occur with optical probes having a serial number 07L (Dec 07) or older, be sure the firmware is 3.06 or later. Parking issues with optical probes having a serial number prior to 07L may be related to a dirty wiper body or pad.

Record sonde battery voltage: 12.9 V (if applicable)

Record Calibration Values
 Standard Pre Cal / Post Cal

Record the following diagnostic numbers after calibration.

6560 Conductivity cell constant 4.981 Range 5.0 ± .45

Integrated conductivity cell constant _____ Range 5.0 ± .70

pH mv Buffer 7 -20.5 Range 0 ± 50 mv

pH mv Buffer 4 in range Range +180 ± 50 mv*

pH mv Buffer 10 _____ Range -180 ± 50 mv*

*Note: Millivolt span between pH 4 and 7 should be ≈ 165 to 180 mv

Millivolt span between pH 7 and 10 should be ≈ 165 to 180 mv

DO charge (RP only) 63.5 Range 25 to 75

DO gain 1.081 Range 0.7 to 1.4

ODO gain ? Range 0.85 to 1.15

Turbidity standard used in calibration none

Manufacturer and part number none

Barometric Pressure: 738.1 mmHg

DO % Calculated - (BARO mmHg divided by 7.6) = % saturation

Example: 760 ÷ 7.6 = 100.0% ✓

Depth Calibration - If zero was entered, record barometric pressure at time of calibration _____ mmHg

Depth Calibration - If offset depth was entered, record value _____ meters/feet and pressure _____ mmHg

Depth Calibration (Vented) - Acceptable calibration constant: 0.0 psig ± 0.15 _____

Temperature	<u>24.08</u>	Sonde
Conductivity	<u>50</u>	<u>496.150 mS/cm</u>
pH 7		<u>7.317.00</u>
pH 4		<u>3.814.00</u>
pH 10	<u>none</u>	<u>1</u>
ORP	_____	_____
Turbidity	_____	_____
Turbidity	_____	_____
Turbidity 0.5	_____	_____
Chlorophyll	_____	<u>110</u>
Chlorophyll	_____	_____
DO RP	_____	<u>97.3/92/</u>
DO ROX	_____	_____
BGA PE/PC	_____	_____
BGA PE/PC	_____	_____
Rhodamine	_____	_____

Notes: 15.5 days of battery life left.

did not do temperature calibration check.
did not break in DO membrane for 3 hours, only 2/ hour.
did not record pH mv Buffer 4, though noted it was in range.