

CALIBRATION WORK SHEET

Date of Calibration: 8/17/2016
 Technician: Gelpi

Sonde ID: 43G5461 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
 Turbidity wiper changed? Y N Chlorophyll wiper changed? Y N burn in. (Rapid Pulse DO Only)
 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: 13.3V (if applicable)

Record Calibration Values
 Standard Pre Cal / Post Cal

Record the following diagnostic numbers after calibration.

6560 Conductivity cell constant 5.3918 Range 5.0 ± .45

Integrated conductivity cell constant _____ Range 5.0 ± .70

pH mv Buffer 7 -16.6 Range 0 ± 50 mv

pH mv Buffer 4 _____ Range +180 ± 50 mv*

pH mv Buffer 10 -199 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) _____ Range 25 to 75

DO gain 1.0099 Range 0.7 to 1.4

ODO gain ? Range 0.85 to 1.15

Turbidity standard used in calibration _____

Manufacturer and part number _____

Barometric Pressure: 29.869
756.92 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 _____

	Standard	Pre Cal / Post Cal
Temperature	<u>29.72</u>	_____
Conductivity	<u>50</u>	<u>44.68</u> <u>50.01</u>
pH 7	<u>7.0</u>	<u>7.071</u>
pH 4	_____	<u>1</u>
pH 10	<u>10.0</u>	<u>10.04</u>
ORP	_____	_____
Turbidity	_____	_____
Turbidity	_____	_____
Turbidity 0.5	_____	_____
Chlorophyll	_____	_____
Chlorophyll	_____	_____
DO RP	_____	<u>66%</u>
DO ROX	_____	_____
BGA PE/PC	_____	_____
BGA PE/PC	_____	_____
Rhodamine	_____	_____

Notes: Sonde clock read 19:21:13 19:53 in cell
measure pH of regular Temp: 3.34, Conductivity had a depression every
4 samples (5-8 samples),
pH offset = -56.1299, pH gain -4.9133
clock reset.