

CALIBRATION WORK SHEET

Date of Calibration: 5/24/2015
 Technician: Celpi

Sonde ID: 0364461AA

- 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: 11.4V (if applicable)

Record Calibration Values
 Standard Pre Cal / Post Cal

Record the following diagnostic numbers after calibration.

- 6560 Conductivity cell constant S · 0143 Range 5.0 ± .45
 Integrated conductivity cell constant ? Range 5.0 ± .70
 pH mv Buffer 7 -27 Range 0 ± 50 mv
 pH mv Buffer 4 Range +180 ± 50 mv*
 pH mv Buffer 10 -185 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) 40 Range 25 to 75
 DO gain 1.254 Range 0.7 to 1.4
 ODO gain ? Range 0.85 to 1.15

	Standard	Pre Cal / Post Cal
Temperature		Sonde
Conductivity	<u>50</u>	<u>52.8 / 50</u>
pH 7	<u>7</u>	<u>7.0 / 7.0</u>
pH 4		
pH 10	<u>10</u>	<u>7.42 / 10.06</u>
ORP		
Turbidity		
Turbidity		
Turbidity 0.5		
Chlorophyll		
Chlorophyll		
DO RP		<u>86 / 99.9%</u>
DO ROX		
BGA PE/PC		
BGA PE/PC		
Rhodamine		

Turbidity standard used in calibration
 Manufacturer and part number

Barometric Pressure: 759.6 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

Notes: *Sonde time from status was 17:20, computer time was 5:20
 We did some calibration work early in the week, Thursday.
 set to record for 5/25/2015 @ 8 am.*