

CALIBRATION WORK SHEET

Date of Calibration: 12/28/2015
 Technician: Gelpi & Caputo

Sonde ID: 036 0061A1

- 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 burn in. (Rapid Pulse DO Only)
 ROX DO wiper changed? Y N Chlorophyll wiper changed? Y N
 BGA-PC wiper changed? Y N BGA-PE 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: 10.4V (if applicable)

Record Calibration Values
 Standard Pre Cal / Post Cal

Record the following diagnostic numbers after calibration.

- 6560 Conductivity cell constant 4.8526 Range 5.0 ± .45
 Integrated conductivity cell constant _____ Range 5.0 ± .70
 pH mv Buffer 7 _____ Range 0 ± 50 mv
 pH mv Buffer 4 _____ 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) _____ Range 25 to 75
 DO gain 1.0099 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>50.87</u> / <u>50.00</u>
pH 7	<u>7</u>	<u>7.05</u> / <u>7.00</u>
pH 4	_____	_____ / _____
pH 10	<u>10</u>	<u>10.14</u> / <u>10</u>
ORP	_____	_____ / _____
Turbidity	_____	_____ / _____
Turbidity	_____	_____ / _____
Turbidity 0.5	_____	_____ / _____
Chlorophyll	_____	_____ / _____
Chlorophyll	_____	_____ / _____
DO RP	_____	_____ / _____
DO ROX	_____	_____ / _____
BGA PE/PC	_____	_____ / _____
BGA PE/PC	_____	_____ / _____
Rhodamine	_____	_____ / _____

Turbidity standard used in calibration _____
 Manufacturer and part number _____

Barometric Pressure: 758.76 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: time 1:51 actually 1:49 29.89 on Hg, DO values were out of range. pH offset -56.1299, pH gain -4.9133