# CALIBRATION WORK SHEET

Date of Calibration: _____ Sonde ID: _____

Technician: _____

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: _____ (if applicable)

**Record the following diagnostic numbers <u>after</u> calibration.**

6560 Conductivity cell constant _____ 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 _____ 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: _____mmHg

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

Example: 760 ÷ 7.6 = 100.0%

| Record Calibration Values | Standard | Pre Cal / Post Cal |
|---|---|---|
| Temperature | _____ | ____Sonde |
| Conductivity | _____ | ____/____ |
| pH 7 | _____ | ____/____ |
| pH 4 | _____ | ____/____ |
| pH 10 | _____ | ____/____ |
| ORP | _____ | ____/____ |
| Turbidity | _____ | ____/____ |
| Turbidity | _____ | ____/____ |
| Turbidity 0.5 | _____ | ____/____ |
| Chlorophyll | _____ | ____/____ |
| Chlorophyll | _____ | ____/____ |
| DO RP | _____ | ____/____ |
| DO ROX | _____ | ____/____ |
| BGA PE/PC | _____ | ____/____ |
| BGA PE/PC | _____ | ____/____ |
| Rhodamine | _____ | ____/____ |

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: