CALIBRATION WORK SHEET

Date of Calibration: 7/24/2014 Sonde ID: 03G0061AA
Technician: Gelpi

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

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: 14 (if applicable)

Record the following diagnostic numbers after 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	50	49.6 / 50
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: This was a quick recording time reset.
Clock reset by 2 minutes as it was fast 17:03.
Conductivity checked and recalibrated
Chl reading for water was -0.4
~~Batteries~~ Batteries replaced
files deleted to make room for new data collections starting 7/26/2014 at 7am, ended with 15 day battery life, 4 days of measurement + collection