

YSI ProDSS Calibration/Checks: Pressure, Conductivity, Dissolved Oxygen -- Rev. 9/7/17

1 Quarter: _____ Year: _____ Pre / Post / Mid -Quarter (circle one) Site: Wet Lab Generic
 Sampler (initials + last name): _____ Date: ____ / ____ / ____

NOTE: Be sure to enter your User ID (initials) in the initial Calibration window (bottom row).

	Meter 1	Meter 3
Start Batt % (if < 10%, plug in the unit while calibrating):		
Sensors checked/cleaned?	Y / N	Y / N

2 Barometer

Reference Station:	Courthouse / Other(Specify):	
Last Calibration Date:		
Reference Station Pressure:		
Reference station last calibration date (if known):		
Meter Pressure:		
TEST: ≤ 0.05 inHg deviation from reference?	Y / N	Y / N
Re-Calibrated?	Y / N	Y / N

3 Conductivity

Lot #: _____ Strength: _____ Expiration date: ____ / ____ / ____

Last calibration date:		
<i>Drift Check</i> Pre-Calibration Reading:		
TEST: < 10% deviation from standard?	Y / N	Y / N
Cleaned?	Y / N	Y / N
Post-Calibration Reading:		

4 Post-Season DO Check

Air Drift Check

Time:		
Temp:		
Pressure:		
DO Sat %:		
DO mg/L:		
Sp. Cond:		
TEST: DO% ±2% of 100%?	Y / N	Y / N
Theoretical DO from DOTABLES:		
TEST: DO mg/L ±0.2 of Theoretical?	Y / N	Y / N

Water Drift Check

Time:		
Temp:		
Pressure:		
DO Sat %:		
DO mg/L:		
Sp. Cond:		
TEST: DO% ±2% of 100%?	Y / N	Y / N
Theoretical DO from DOTABLES:		
TEST: DO mg/L ±0.2 of Theoretical?	Y / N	Y / N

5 Pre-Season DO Calibration

		Meter 1	Meter 3
Zero Point Calibration	Last calibration date:		
	Pre-Calibration Reading:		
	TEST: DO < 3%?	Y / N	Y / N
	Post-Calibration Reading:		
Calibration	Calibration Successful?	Y / N	Y / N
	Post-Calibration Reading:		
Air Cal Check	Time:		
	Temp:		
	Pressure:		
	DO Sat %:		
	DO mg/L:		
	Sp. Cond:		
	TEST: DO% ±2% of 100%?	Y / N	Y / N
	Theoretical DO from DOTABLES:		
	TEST: DO mg/L ±0.2 of Theoretical?	Y / N	Y / N
	TEST: DO mg/L ±0.4 of Winkler?	Y / N	Y / N
End Batt % (if <50%, charge the unit after calibrating):			

Winkler Drift Check		Thiosulfate Lot #:	Exp. Date:
Sample	Thiosulfate Titration Result	10 mL Biiodate Back-Titration Result	Corrected DO Result = 10*Thiosulfate/Biiodate
1			
2			
3			
Average			
TEST: DO mg/L ±0.4 of Winkler?		Y / N	Y / N