

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: **YSI ProDSS**

RQ: **2019-01-01-16**

Project: **LSJR West Boat**

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	C. Ruben	4.2.19	0735	22.2	758.8	8.71	8.71	99.8	-	-	(P) F (L) F	
ICV	↓	↓	0740	22.2	758.8	8.71	8.71	100	-	-	(P) F (L) F	
CCV	AKelmbacher	4.2.19	1400	17.7	759.9	9.50	9.62	101.5			(P) F (L) F	
CCV											P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	C. Ruben	4.2.19	0743	190319A	3/2020	1000	1002	(P) F (L) F	
ICV	↓	4.2.19	0745	190125A	2/2020	100	1098.6	(P) F (L) F	
CCV	AKelmbacher	4.2.19	1405	190319A	3/2020	1,000	1,005	(P) F (L) F	
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	C. Ruben	4.2.19	0750	2807A76	6/2020	7.	22.7	7.08	-45.5	(P) F (L) F	
Calibr.	↓	↓	0753	2901A40	1/2021	4.	22.8	4.00	133.7	(P) F (L) F	
Calibr.	↓	↓	0755	2810F55	4/2020	10.	22.4	10.02	-216.7	(P) F (L) F	
ICV	↓	↓	0757	2807A76	6/2020	7.0	22.4	7.03	-44.6	(P) F (L) F	
CCV	AKelmbacher	4.2.19	1407	281F55	4/2020	10	21.3	10.01	-217.7	(P) F (L) F	
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range +180 ± 50 ;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	C. Ruben	4.2.19	0759	0.00	0.00	(P) F (L) F	

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Chyane Rub 4/18/19