

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-DSS1 RQ- 2019-07-29-07 Project: LJLR North 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.	A. Kalmbacher	7-29-19	0800	23.4	762.7	8.6	8.52	100.4	—	—	P / F	L / F
ICV			0803	23.6	762.7	8.6	8.52	100.4	—	—	P / F	L / F
CCV	B. Davis	7/29/19	1445	25.2	762.3	8.3	8.25	100.1	✓	✓	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	A. Kalmbacher	7-29-19	0810	190430A	5/2020	11000	999	P / F	L / F
ICV			0812	0424820				P / F	L / F
CCV			0813	719820	12/2019	24.820	24.716	P / F	L / F
CCV	B. Davis	7/29/19	1448	190319B	3/20	100	103.2	P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

1450 190711C 7/20 59,000 59,366 P L

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.	A. Kalmbacher	7-29-19	0815	2904C54	3/2021	7.	24.3	7.01	-16.6	P / F	L / F
Calibr.				2904B00	3/2021	4.	24.5	4.00	162.3	P / F	L / F
Calibr.				2901B51	7/2020	10.	24.4	10.01	-192.4	P / F	L / F
ICV				2904C54	3/2021	7.0	24.4	7.01	-16.6	P / F	L / F
CCV	B. Davis	7/29/19	1452	2901B51	7/20	10.0	24.6	9.96	-170.9	P / F	L / F
CCV			1455	2904B00	3/21	4.0	24.7	3.98	162.2	P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 -175.8, slope from 4 to 7 178.8 (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: 6/4/19

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	A. Kalmbacher	7-29-19	0805	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: