

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

Boldly "X" this box if there is qualified data on

Meter ID:

YSI 556 #1

Project:

SC1 Reference

RQ - 2016-04-25-07

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.
 Circle/Fill In: Lab Calibration or Calibration/Verification on Site Lab

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

4/16

DO	Name	Date	Time	Temp	D.O. Chart	Meter D.O.	% DO	Probe Charge	Probe Gain	Pass	Lab
DEP SOP			CT-ET		mg/L	mg/L					
FT 1500											
Calibr.	B. Davis	4/25	848	23.45	8.49	8.49	100	/	/	P	L
ICV	↓	↓	749	23.45	8.49	8.50	100	/	/	P	L
CCV	↓	↓	1550	26.25	8.06	8.12	100.5	/	/	P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec.	Name	Date	Time	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass	Lab
Cond.			CT-ET						
Calibr.	B. Davis	4/25	753	160216A	2/17	1000	1000	P	L
ICV	↓	↓	753	↓	↓	1000	1000	P	L
CCV	↓	↓	1551	160216B	8/16	100	101	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Expir. Date	pH Buffer	Meter reading	mV	Pass	Lab
DEP SOP			CT-ET			SU	SU			
Calibr.	B. Davis	4/25	755	2509677	8/17	7.0	7.0		P	L
Calibr.	↓	↓	759	2509F74	9/17	4.0	4.0		P	L
Calibr.	↓	↓	803	3510488	4/17	10.0	10.0		P	L
ICV	↓	↓	807	2509677	8/17	7.0	7.0		P	L
CCV	↓	↓	1555	2509F74	9/17	4.0	3.94		P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 m

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater