

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: 1000

RQ: 2018-20-20

Project: Charlotte Harbor

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 6/19/18

DO FDEP 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.	S. CORAL	8/21/18	0745	24.01	740	8.42	8.41	99.6	36.9		P/F	L/F
ICV	"	"	0746	23.55	760	8.50	8.48	99.6	35.9		P/F	L/F
CCV	S. CORAL	8/21/18	1525	25.92	760	8.13	8.14	98.3	35.9		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.	S. CORAL	8/21/18	0748	180527A	6/19	1000	1000	P/F	L/F
ICV	"	"	0750	181122	11/19	5000	49645	P/F	L/F
CCV	S. CORAL	8/21/18	1528	180324	4/19	1000	1002	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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.	S. CORAL	8/21/18	0752	180084	04/20	7.699	25.35	7.00	-11.8	P/F	L/F
Calibr.	"	"	0754	181456	04/20	4.010	25.49	4.00	44.1	P/F	L/F
Calibr.	"	"	0755	181282	05/20	10.013	25.42	10.00	-186.1	P/F	L/F
ICV	"	"	0758	181456	4/20	4.0	25.3	4.0	45.1	P/F	L/F
CCV	S. CORAL	8/21/18	1530	180084	2/20	7.699	24.8	7.00	-146.0	P/F	L/F
CCV	"	"	1532	181282	5/20	10.013	24.88	10.00	-186.6	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 _____, 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: 8/24/18

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						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: