RQ-2016-03-10

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

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

Meter ID: YSI Gus **Project:** P. Beach / Everglades

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_____

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 9/20/16

DO (DEP SOP FT 1600)	Name	Date	Time (ET)	Temp °C	DO (mg/L)	Meter DO (mg/L)	% DO Saturation	Probe Gain	Probe Charge	Pass / Fail	Lab / Field
Calibr.	A. Hurley	10/4/16	0800	24.1	8.4	8.4	100	90	1.2	P	L
ICV	"	"		24.1	8.4	8.4	100			P	L
CCV	"	"	1600	22.9	8.6	8.7	101			P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.
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; DO charge N/A. **Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

Spec. Cond. (FT 1200)	Name	Date	Time (ET)	Lot #	Std. Date	Std. Value	Meter Reading	Pass / Fail	Lab / Field
Calibr.	A. Hurley	10/4/16	0800	2606003	2/18	1000	1000	P	L
ICV	"	"		2603C82	3/18	100	103	P	L
CCV	"	"	1600	2601525	12/17	5000	5010	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 5%

pH (DEP SOP FT 1100)	Name	Date	Time (ET)	Lot #	Std. Date	pH Buffer	Meter Reading	mV	Pass / Fail	Lab / Field
Calibr.	A. Hurley	10/4/16	0800	161856	4/18	7.0	7.0	-16	P	L
Calibr.	"	"	"	161523	3/18	4.0	4.0	163	P	L
Calibr.	"	"	"	160910	3/18	10.0	10.0	-195	P	L
ICV	"	"	"	160910	3/18	10.0	10.0		P	L
CCV	"	"	1600	161523	3/18	4.0	4.1		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±50;
mV pH 10 Range -180±50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly) Date of Last Depth Verification 9/20/16

Depth Sensor (Daily)	Name	Date	Time (ET)	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	A. Hurley	10/4/16	0830	0.000	0.00	P	L

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