

RQ-2016-0673-35

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:

AEB

Project:

SNP-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

4/7/10

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Brewton	6/15/10	7:45	24.3	8.4	8.4	100	38	1.1	P	L
ICV	"	"	7:48	24.8	8.4	8.4	100			P	L
CCV	Brewton	6/15/10	10:15	26.4	8.1	8.1	100			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 CT-ET	Lot #	Expir. Date	Standard $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	Pass / Fail	Lab / Field
Calibr.	Brewton	6/15/10	7:50	200202	2/18	1000	1000	P	L
ICV	"	"	7:52	200308	3/18	100	700	P	L
CCV	Brewton	6/15/10	10:17	200202	2/18	1000	1003	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Brewton	6/15/10	7:55	150651	10/17	7.0	7.0	-23	P	L
Calibr.	"	"	7:56	158982	1/18	4.0	4.0	151	P	L
Calibr.	"	"	7:58	150700	10/17	10.0	10.0	-201	P	L
ICV	"	"	7:59	"	"	10.0	10.0		P	L
CCV	Brewton	6/15/10	10:20	158982	1/18	4.0	4.1		P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;mV pH 4 Range +180 $\pm$ 50;mV pH 10 Range -180 $\pm$ 50;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

4/7/10

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Brewton	6/15/10	8:00	0.000	0.000	P	L

ICV acceptance criteria $\pm 5\%$ or $\pm 0.05\text{m}$, whichever is greater

RQ-2016-06-06-42

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:

L16US

Project:

SMP-Biscayne Bay

- 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

3/14/16

DO FDEP SOP FT 1500	Name	Date	Time ET-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	SKAGGS	6/15/16	815	24.5	8.3	8.3	100	461	1.12	P	L
ICV	1	1	816	24.5	8.3	8.3	100			P	L
CCV	SKAGGS	6/15/16	1730	26.0	8.1	8.3	103	51		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-ET	Lot #	Expir. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	SKAGGS	6/15/16	825	2602502	02/18	1000	1000	P	L
ICV	1	1	826	2603C82	03/18	1000pts	1000pts	P	L
CCV	SKAGGS	6/15/16	1740	2601526	12/17	100K	100598	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1400	Name	Date	Time ET-ET	Lot #	Expir. Date	pH Buffer SU	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	SKAGGS	6/15/16	835	156651	10/17	7.0	7.0	-370	P	L
Calibr.			836	158982	01/18	4.0	4.0	138	P	L
Calibr.			837	156700	10/17	10.0	10.0	-222	P	L
ICV			840	11	11	10.0	10.0	-220	P	L
CCV	SKAGGS	6/15/16	1745	158982	01/18	4.0	3.9	145	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 mV

Depth (Quarterly)

Date of Last Depth Verification

3/8/16

Depth Sensor (Daily)	Name	Date	Time ET-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	SKAGGS	6/15/16	1750	0.000	0	P	L

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