

RA-2016-09-26-11

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

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

Meter ID:

AE3

Project:

SMA Key Largo/Everglades N.P.

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

10/11/16

Calibr.	Name	Date	Time	Temp	DO	DO	DO	DO	DO	DO	DO	DO
Calibr.	SKAGGS	10/19/16	745	23.7	8.5	8.5	100	67	1.12	P	L	
ICV	"		750	23.4	8.5	8.5	100			P	L	
CCV	main sed	10/19/16	1730	23.5	8.5	8.8	104	68.6		P	F	
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.

Calibr.	Name	Date	Time	Temp	DO	DO	DO	DO	DO	DO	DO	DO
Calibr.	SKAGGS		755	2606	DO3	02/18	1000	1000		P	L	
ICV	"		800	2603	CB2	03/18	100	100		P	L	
CCV	main sed		1730	2511	38	11/17	52000	49408				
CCV												

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

Conductivity Acceptance criteria $\pm 5\%$

Calibr.	Name	Date	Time	Temp	pH	pH	pH	pH	pH	pH	pH	pH
Calibr.	SKAGGS		805	1618	56	4/18	7.0	7.0	-29	P	L	
Calibr.	"		805	1630	27	5/18	4.0	4.0	148	P	L	
Calibr.	"		805	1609	10	3/18	10.0	10.0	-207	P	L	
ICV	"			1609	10	3/18	10.0	10.0	-206	P	L	
CCV	Sed		1730	1630	27	5/18	4.0	4.1	144	P	F	
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

10/11/16

Depth Sensor (Daily)	Name	Date	Time	Zero the Sensor	ICV Value	Pass/Fail	Lab/Field
Pressure mode in air	SKAGGS	10/19/16		0.000	0.000		

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