

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 QUANTA HI RQ- 2016-10-03-28 Project NIASSAU EAS

- 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 LSB
 Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 03/04/2016 07/2016

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.	PO Cannon	10/05/16	0712	23.7	8.46	8.46	100.0	—	—	Pass	LAB
ICV	↓	↓	0717	23.7	8.46	8.44	100.0	—	—	Pass	LAB
CCV	AKalmbacher	10/5/16	1330	24.8	8.29	8.33	100.4	—	—	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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	PO Cannon	10/05/16	0720	160616A	06/2017	1000	1000	Pass	LAB
ICV	↓	↓	0722	160616B	12/2016	100	101	Pass	LAB
CCV	AKalmbacher	10/5/16	1335	160616A	06/2017	1000	$\neq$ 998	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	PO Cannon	10/05/16	0725	2606E04	06/2018	7.0	7.00	—	Pass	LAB
Calibr.	↓	↓	0727	260255L	01/2018	4.0	4.00	—	Pass	LAB
Calibr.	↓	↓	0730	2510A88	04/2017	10.0	9.86	—	Pass	LAB
ICV	AKalmbacher	10/5/16	1340	2606E04	06/2018	7.0	7.02	—	P	L
CCV										
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 180mV

Depth (Quarterly)

Date of Last Depth Verification N/A

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass/ Fail	Lab/ Field
Pressure mode in air				0.000			

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