

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: MY Bay Blue

RQ: 7-24-7

Project: CM: Yucca Flatwoods

- 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 7/17/23

DO DIP SOP FT 1400	Name	Date	Time CET	Temp °C	Baro meter mmHg	D.O. Gross mg/L	Meter D.O. mg/L	%DO	Probe Gross	Probe Salt	Pass	Fail
Calibr.	Samantha Gelinas	8/14/23	7:27	21.9	761.4	8.77	8.76	100.2	—	1.13	P/F	L/F
ICV	Samantha Gelinas	8/12/23	7:30	22.5	761.5	8.69	8.77	101.2	—	—	P/F	L/F
CCV	Monica Jaeger	8/16/23	1020	25.5	759.8	8.16	8.05	98.5	—	—	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. Gross FT 1400	Name	Date	Time CET	Temp °C	Baro mmHg	Standard Salinity g/kg	Meter Salinity g/kg	Pass	Fail
Calibr.	Samantha Gelinas	8/12/23	7:33	22.6	761.6	10,000	10,000	P/F	L/F
ICV	Samantha Gelinas	8/12/23	7:35	23.0	761.7	100	101.8	P/F	L/F
CCV	Samantha Gelinas	10/30/23	1030	23.0	761.7	50,000	50033	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DIP SOP FT 1400	Name	Date	Time CET	Temp °C	Baro mmHg	pH Buffer SU	Temp °C	Meter pH	Pass	Fail
Calibr.	Samantha Gelinas	8/12/23	7:36	23.0	761.7	8/12/24	7.01	7.02	P/F	L/F
Calibr.	Samantha Gelinas	8/12/23	7:41	23.0	761.7	1/25	4.01	4.0	P/F	L/F
Calibr.	Samantha Gelinas	8/12/23	7:43	23.0	761.7	12/24	10.06	10.07	P/F	L/F
ICV	Samantha Gelinas	8/12/23	7:45	23.0	761.7	1/25	4.00	3.93	P/F	L/F
CCV	Samantha Gelinas	8/16/23	1032	23.0	761.7	12/24	10.05	10.24	P/F	L/F
CCV									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: _____

Depth Sensor Data Calibration & ICV	Name	Date	Time CET	Calibrated Value (0.00 or 0.05) meters	ICV Value meters	Pass	Fail
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: