

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: PRO MOVE RQ: 2022-05-02-34 Project: Lake Placid

- 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 4/14/22

DO	Name	Date	Time	Temp	Baro	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
Ft 1500			GT-ET	°C	meter	Gain	D.O.	mg/L	Charge	Gain	Fail	Test
Calibr.	MONICA Jaeger	5/4/22	657	22.1	758.1	8.7	8.7	99.8		1053	P/F	L/F
ICV	"	"	658	22.1	758.1	8.7	8.7	99.8			P/F	L/F
CCV	"	"	1508	22.6	757.5	8.6	8.63	99.7			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	Name	Date	Time	Lot #	Expir	Standard	Meter	Pass	Lab
Cond			GT-ET		Date	Conductivity	Reading	Fail	Test
Ft 1200						µmhos/cm	µmhos/cm		
Calibr.	MONICA Jaeger	5/4/22	701	2204C00	3/24	2500	2500	P/F	L/F
ICV	"	"	703	2112E28	12/23	100	97.2	P/F	L/F
CCV	"	"	1503	2204C00	3/24	2500	2499	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Expir	pH	Temp	Meter	Pass	Lab
Ft 1000			GT-ET		Date	B. Re	°C	Reading	Fail	Test
						BU		°C		
Calibr.	MONICA Jaeger	5/4/22	704	1112468	11/23	7.01	22.2	7.01	P/F	L/F
Calibr.	"	"	707	2203A24	3/24	4.0	22.2	4.0	P/F	L/F
Calibr.	"	"	709	4202048	6/23	10.03	22.2	10.03	P/F	L/F
ICV	"	"	711	2203A24	3/24	4.0	22.2	4.05	P/F	L/F
CCV	"	"	1504	4202048	6/23	10.0	22.0	10.05	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 10 172.5, slope from 4 to 7 177.9 (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: Deep Blue; Date of last verification: 2/24/22

Depth	Name	Date	Time	GT-ET	Calibr	Temp	Pass	Lab
Depth					Gain	°C	Fail	Test
ICV					DSS			
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: