



SEA-BIRD
SCIENTIFIC

SUNA V2

Owner:	NOAA-PMEL
Serial Number:	598
Job Number:	1005520964
Technician Initials:	BH
Calibration File:	SNA0598A
Calibration Date:	8/14/2024

SUNA V2 Performance Verification

	Before Calibration	After Calibration	Spec Range
Dark Level	754	740	400 - 999
Light Max	41715	47392	45,000 - 55,000
Std. Deviation	9	10	< 10
Power Use	7538 mW	6895 mW	< 7500 mW
Lamp Temp	21.2 °C	22 °C	< 35 °C
Humidity	23.4 %	0.8 %	< 10 %
Nitrate Std. Dev	N/A	N/A	< 2 µM

Calibration Nitrate Reading

	Reading	Saltwater Spec. Range	Freshwater Spec. Range
DIW	0.93 µM	0 ± 2 µM	0 ± 2 µM
SW or LNO ₃ std	-1.97 µM	0 ± 2 µM	40 ± 4 µM
NO ₃ or HNO ₃ std	38.69 µM	40 ± 4 µM	4000 ± 400 µM

Calibration Volt and Amp Readings

	Volts	Amps
DIW	0.38 V	4.88 mA
SW or LNO ₃ std	0.29 V	4.421 mA
NO ₃ or HNO ₃ std	1.81 V	10.63 mA