



SEA-BIRD
SCIENTIFIC

SUNA V2

Owner:	NOAA PMEL
Serial Number:	789
Job Number:	1005513576
Technician Initials:	KS
Calibration File:	SNA0789H
Calibration Date:	7/19/2021

SUNA V2 Performance Verification

	Before Calibration	After Calibration	Spec Range
Dark Level	783	770	400 - 999
Light Max	52668	47124	45,000 - 55,000
Std. Deviation	10	10	< 10
Power Use	6850 mW	7144 mW	< 7500 mW
Lamp Temp	23.6 °C	24 °C	< 35 °C
Humidity	0.8 %	0.0 %	< 10 %
Nitrate Std. Dev	N/A	N/A	< 2 µM

Calibration Nitrate Reading

	Reading	Saltwater Spec. Range	Freshwater Spec. Range
DIW	0.01 µM	0 ± 2 µM	0 ± 2 µM
SW or LNO ₃ std	-1.04 µM	0 ± 2 µM	40 ± 4 µM
NO ₃ or HNO ₃ std	39.60 µM	40 ± 4 µM	4000 ± 400 µM

Calibration Volt and Amp Readings

	Volts	Amps
DIW	0.32 V	4.74 mA
SW or LNO ₃ std	0.28 V	4.63 mA
NO ₃ or HNO ₃ std	1.81 V	10.73 mA