

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2026
CALIBRATION DATE: 20-Nov-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999771e-001

rtca1 = 1.722952e-006

rtca2 = -2.941759e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999790	0.9999788	-0.2
4.5000	0.9999840	0.9999842	0.2
15.0000	0.9999960	0.9999963	0.3
18.5001	0.9999990	0.9999989	-0.1
24.0000	1.0000020	1.0000015	-0.5
29.0000	1.0000020	1.0000023	0.3
32.4999	1.0000020	1.0000020	0.0

t = temperature (°C)

RTC frequency = rtca0 + rtca1 * t + rtca2 * t²

Residual (PPM) = (Computed RTC frequency - Measured RTC frequency) * 1e6

