

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2321

CALIBRATION DATE: 29-Sep-16

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999992e-001

rtca1 = 1.699720e-006

rtca2 = -3.432920e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
0.9999	1.0000010	1.0000009	-0.1
4.5000	1.0000060	1.0000062	0.2
15.0000	1.0000170	1.0000170	-0.0
18.4999	1.0000190	1.0000189	-0.1
23.9999	1.0000200	1.0000202	0.2
29.0000	1.0000200	1.0000196	-0.4
32.5000	1.0000180	1.0000182	0.2

t = temperature (°C)

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

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

