

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2325

CALIBRATION DATE: 29-Sep-16

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999911e-001

rtca1 = 1.736442e-006

rtca2 = -3.098035e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
0.9999	0.9999930	0.9999928	-0.2
4.5000	0.9999980	0.9999983	0.3
15.0000	1.0000100	1.0000102	0.2
18.4999	1.0000130	1.0000126	-0.4
23.9999	1.0000150	1.0000149	-0.1
29.0000	1.0000150	1.0000154	0.4
32.5000	1.0000150	1.0000148	-0.2

t = temperature (°C)

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

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

