

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0826
CALIBRATION DATE: 09-Dec-16

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999863e-001

rtca1 = 1.623125e-006

rtca2 = -2.916826e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999880	0.9999879	-0.1
4.4999	0.9999930	0.9999930	0.0
15.0000	1.0000040	1.0000041	0.1
18.5000	1.0000060	1.0000064	0.4
24.0000	1.0000090	1.0000085	-0.5
29.0000	1.0000090	1.0000089	-0.1
32.5000	1.0000080	1.0000083	0.3

t = temperature (°C)

RTC frequency = $rtca0 + rtca1 * t + rtca2 * t^2$

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

