

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3936

CALIBRATION DATE: 16-Sep-14

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999925e-001

rtca1 = 1.547121e-006

rtca2 = -3.277830e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999940	0.9999940	0.0
4.5000	0.9999990	0.9999988	-0.2
15.0000	1.0000080	1.0000084	0.4
18.4999	1.0000100	1.0000099	-0.1
24.0000	1.0000110	1.0000108	-0.2
29.0000	1.0000100	1.0000098	-0.2
32.5000	1.0000080	1.0000082	0.2

$$\text{RTC frequency} = \text{rtca0} + \text{rtca1} * t + \text{rtca2} * t^2$$

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

