

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0470
CALIBRATION DATE: 29-Oct-13

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999754e-001

rtca1 = 1.803577e-006

rtca2 = -3.043588e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999770	0.9999772	0.2
4.5000	0.9999830	0.9999829	-0.1
15.0000	0.9999960	0.9999956	-0.4
18.5000	0.9999980	0.9999983	0.3
24.0000	1.0000010	1.0000011	0.1
29.0000	1.0000020	1.0000021	0.1
32.5000	1.0000020	1.0000018	-0.2

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

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

