

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0815

CALIBRATION DATE: 11-Sep-14

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999804e-001

rtca1 = 1.569541e-006

rtca2 = -2.660996e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999820	0.9999820	-0.0
4.5000	0.9999870	0.9999870	-0.0
14.9999	0.9999980	0.9999980	-0.0
18.4999	1.0000000	1.0000004	0.4
23.9999	1.0000030	1.0000028	-0.2
29.0001	1.0000040	1.0000036	-0.4
32.5000	1.0000030	1.0000033	0.3

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

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

