

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0811

CALIBRATION DATE: 11-Sep-14

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999792e-001

rtca1 = 1.505576e-006

rtca2 = -2.642072e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999810	0.9999807	-0.3
4.5000	0.9999850	0.9999854	0.4
14.9999	0.9999960	0.9999958	-0.2
18.4999	0.9999980	0.9999980	0.0
23.9999	1.0000000	1.0000001	0.1
29.0001	1.0000010	1.0000006	-0.4
32.5000	1.0000000	1.0000002	0.2

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

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

