

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0385

CALIBRATION DATE: 29-Sep-15

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999952e-001

rtca1 = 1.682974e-006

rtca2 = -3.096145e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999970	0.9999968	-0.2
4.5000	1.0000020	1.0000021	0.1
15.0000	1.0000130	1.0000135	0.5
18.4999	1.0000160	1.0000157	-0.3
24.0000	1.0000180	1.0000177	-0.3
29.0000	1.0000180	1.0000179	-0.1
32.4999	1.0000170	1.0000172	0.2

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

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

