

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0475

CALIBRATION DATE: 29-Sep-15

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999737e-001

rtca1 = 1.639767e-006

rtca2 = -2.603395e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999750	0.9999753	0.3
4.5000	0.9999810	0.9999805	-0.5
15.0000	0.9999920	0.9999924	0.4
18.4999	0.9999950	0.9999951	0.1
24.0000	0.9999980	0.9999980	0.0
29.0000	1.0000000	0.9999993	-0.7
32.4999	0.9999990	0.9999994	0.4

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

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

