

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3936

CALIBRATION DATE: 22-Sep-15

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999925e-001

rtca1 = 1.603874e-006

rtca2 = -3.460285e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999940	0.9999940	0.0
4.5000	0.9999990	0.9999990	-0.0
15.0000	1.0000090	1.0000087	-0.3
18.5000	1.0000100	1.0000103	0.3
24.0000	1.0000110	1.0000110	0.0
29.0000	1.0000100	1.0000099	-0.1
32.5001	1.0000080	1.0000080	0.0

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

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

