

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0416

CALIBRATION DATE: 25-Sep-15

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999683e-001

rtca1 = 1.619863e-006

rtca2 = -2.736304e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999700	0.9999699	-0.1
4.5000	0.9999750	0.9999750	0.0
15.0000	0.9999860	0.9999864	0.4
18.5000	0.9999890	0.9999889	-0.1
24.0000	0.9999920	0.9999914	-0.6
29.0000	0.9999920	0.9999923	0.3
32.5000	0.9999920	0.9999920	0.0

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

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

