

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2329
CALIBRATION DATE: 12-Mar-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.0000003e+000

rtca1 = 1.533428e-006

rtca2 = -2.613742e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.00000040	1.00000041	0.1
4.5000	1.00000090	1.00000090	-0.0
15.0000	1.0000200	1.0000197	-0.3
18.5000	1.0000220	1.0000220	0.0
24.0000	1.0000240	1.0000243	0.3
29.0000	1.0000250	1.0000251	0.1
32.5000	1.0000250	1.0000248	-0.2

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

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

