

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3534
CALIBRATION DATE: 07-Sep-0

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999795e-001

rtca1 = 1.754068e-006

rtca2 = -3.093962e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999810	0.9999812	0.2
4.4999	0.9999870	0.9999867	-0.3
15.0000	0.9999990	0.9999988	-0.2
18.4999	1.0000010	1.0000013	0.3
23.9999	1.0000040	1.0000038	-0.2
29.0001	1.0000040	1.0000043	0.3
32.5001	1.0000040	1.0000038	-0.2

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

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

Date, Delta F ppm

