

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2022
CALIBRATION DATE: 19-Aug-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999859e-001

rtca1 = 1.782085e-006

rtca2 = -3.249296e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999880	0.9999877	-0.3
4.4999	0.9999930	0.9999933	0.3
15.0000	1.0000050	1.0000054	0.4
18.5000	1.0000080	1.0000078	-0.2
24.0000	1.0000100	1.0000100	-0.0
29.0000	1.0000110	1.0000103	-0.7
32.5000	1.0000090	1.0000095	0.5

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

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

Date, Delta F ppm

