

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1858
CALIBRATION DATE: 21-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999891e-001

rtca1 = 1.736452e-006

rtca2 = -3.098055e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999910	0.9999908	-0.2
4.5000	0.9999960	0.9999963	0.3
15.0000	1.0000080	1.0000082	0.2
18.5000	1.0000110	1.0000106	-0.4
23.9999	1.0000130	1.0000129	-0.1
29.0000	1.0000130	1.0000134	0.4
32.5000	1.0000130	1.0000128	-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

