

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0827
CALIBRATION DATE: 10-Jul-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999854e-001

rtca1 = 1.579877e-006

rtca2 = -2.890667e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999870	0.9999870	-0.0
4.5000	0.9999920	0.9999919	-0.1
15.0000	1.0000020	1.0000026	0.6
18.5000	1.0000050	1.0000047	-0.3
24.0000	1.0000070	1.0000067	-0.3
29.0000	1.0000070	1.0000069	-0.1
32.5000	1.0000060	1.0000062	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

