

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0818
CALIBRATION DATE: 07-Dec-07

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999796e-001

rtca1 = 1.714083e-006

rtca2 = -3.248322e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999810	0.9999813	0.3
4.5000	0.9999870	0.9999866	-0.4
15.0000	0.9999980	0.9999980	-0.0
18.5000	1.0000000	1.0000002	0.2
24.0000	1.0000020	1.0000020	0.0
29.0000	1.0000020	1.0000020	-0.0
32.5000	1.0000010	1.0000010	-0.0

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

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

Date, Delta F ppm

