

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4254
CALIBRATION DATE: 12-Dec-07

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999802e-001

rtca1 = 1.703698e-006

rtca2 = -3.485219e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
1.0000	0.9999820	0.9999819	-0.1
4.4999	0.9999870	0.9999872	0.2
15.0000	0.9999980	0.9999979	-0.1
18.5000	1.0000000	0.9999998	-0.2
23.9998	1.0000010	1.0000010	0.0
29.0000	1.0000000	1.0000003	0.3
32.5001	0.9999990	0.9999988	-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

