

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0471
CALIBRATION DATE: 30-May-07

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999732e-001

rtca1 = 1.818860e-006

rtca2 = -2.447843e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999750	0.9999750	0.0
4.5000	0.9999810	0.9999809	-0.1
15.0000	0.9999950	0.9999950	-0.0
18.4999	0.9999980	0.9999985	0.5
24.0000	1.0000030	1.0000028	-0.2
29.0000	1.0000060	1.0000054	-0.6
32.5000	1.0000060	1.0000065	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

