

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0475
CALIBRATION DATE: 30-May-07

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999726e-001

rtca1 = 1.686993e-006

rtca2 = -2.681852e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999740	0.9999742	0.2
4.5000	0.9999800	0.9999796	-0.4
15.0000	0.9999920	0.9999919	-0.1
18.4999	0.9999940	0.9999946	0.6
24.0000	0.9999980	0.9999976	-0.4
29.0000	0.9999990	0.9999990	-0.0
32.5000	0.9999990	0.9999991	0.1

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

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

Date, Delta F ppm

