

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA
 Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0817
 CALIBRATION DATE: 21-Jul-07

SBE 37 RTC CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000007e+000
 rtca1 = 1.509657e-006
 rtca2 = -2.948280e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000090	1.0000087	-0.3
4.5000	1.0000130	1.0000134	0.4
15.0000	1.0000230	1.0000232	0.2
18.5000	1.0000250	1.0000250	0.0
24.0000	1.0000270	1.0000264	-0.6
29.0000	1.0000260	1.0000262	0.2
32.5000	1.0000250	1.0000251	0.1

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

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

