

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: 0822
 CALIBRATION DATE: 07-Dec-07

SBE 37 RTC CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999764e-001
 rtca1 = 1.746830e-006
 rtca2 = -2.861140e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999780	0.9999782	0.2
4.5000	0.9999840	0.9999837	-0.3
15.0000	0.9999960	0.9999962	0.2
18.5000	0.9999990	0.9999990	-0.0
24.0000	1.0000020	1.0000019	-0.1
29.0000	1.0000030	1.0000030	0.0
32.5000	1.0000030	1.0000030	-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

