

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: 0812
CALIBRATION DATE: 09-Nov-06

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999751e-001

rtca1 = 1.732375e-006

rtca2 = -2.791850e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999770	0.9999768	-0.2
4.5000	0.9999820	0.9999823	0.3
15.0000	0.9999950	0.9999948	-0.2
18.5000	0.9999980	0.9999976	-0.4
23.9999	1.0000000	1.0000006	0.6
28.9999	1.0000020	1.0000019	-0.1
32.5000	1.0000020	1.0000019	-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

