

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: 3936
CALIBRATION DATE: 12-Nov-08

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999892e-001

rtca1 = 1.703691e-006

rtca2 = -3.485205e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
0.9999	0.9999910	0.9999909	-0.1
4.5000	0.9999960	0.9999962	0.2
15.0000	1.0000070	1.0000069	-0.1
18.5000	1.0000090	1.0000088	-0.2
24.0000	1.0000100	1.0000100	0.0
29.0000	1.0000090	1.0000093	0.3
32.5000	1.0000080	1.0000078	-0.2

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

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

Date, Delta F ppm

