

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: 0413
CALIBRATION DATE: 31-May-08

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999670e-001

rtca1 = 1.608668e-006

rtca2 = -2.847524e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999690	0.9999686	-0.4
4.5000	0.9999730	0.9999736	0.6
15.0001	0.9999850	0.9999847	-0.3
18.5000	0.9999870	0.9999870	0.0
24.0000	0.9999890	0.9999892	0.2
29.0000	0.9999900	0.9999897	-0.3
32.5000	0.9999890	0.9999892	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

