

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: 0823
CALIBRATION DATE: 07-Dec-07

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999679e-001

rtca1 = 1.826048e-006

rtca2 = -3.147229e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999700	0.9999697	-0.3
4.5000	0.9999750	0.9999754	0.4
15.0000	0.9999880	0.9999882	0.2
18.5000	0.9999910	0.9999909	-0.1
24.0000	0.9999940	0.9999936	-0.4
29.0000	0.9999940	0.9999943	0.3
32.5000	0.9999940	0.9999940	-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

