

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: 1246
CALIBRATION DATE: 10-Dec-09

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999811e-001

rtca1 = 1.739718e-006

rtca2 = -3.278579e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999830	0.9999828	-0.2
4.5000	0.9999880	0.9999883	0.3
15.0000	1.0000000	0.9999998	-0.2
18.4999	1.0000020	1.0000021	0.1
24.0000	1.0000040	1.0000040	-0.0
29.0000	1.0000040	1.0000040	-0.0
32.5001	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

