

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: 0817
CALIBRATION DATE: 10-Dec-09

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000007e+000

rtca1 = 1.566404e-006

rtca2 = -3.130725e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000090	1.0000087	-0.3
4.5000	1.0000130	1.0000135	0.5
15.0000	1.0000240	1.0000236	-0.4
18.4999	1.0000250	1.0000254	0.4
24.0000	1.0000270	1.0000267	-0.3
29.0000	1.0000260	1.0000262	0.2
32.5001	1.0000250	1.0000250	-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

