

# Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 1805  
CALIBRATION DATE: 06-Feb-14

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999733e-001

rtca1 = 1.813910e-006

rtca2 = -3.273258e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999750	0.9999751	0.1
4.5000	0.9999810	0.9999808	-0.2
15.0000	0.9999930	0.9999932	0.2
18.5000	0.9999960	0.9999957	-0.3
24.0000	0.9999980	0.9999980	0.0
29.0000	0.9999980	0.9999984	0.4
32.5000	0.9999980	0.9999977	-0.3

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

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

Date, Delta F ppm

