

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: 2448
CALIBRATION DATE: 29-Oct-13

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000003e+000

rtca1 = 1.526418e-006

rtca2 = -3.285091e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000050	1.0000047	-0.3
4.5000	1.0000090	1.0000094	0.4
15.0000	1.0000190	1.0000187	-0.3
18.5000	1.0000200	1.0000202	0.2
24.0000	1.0000210	1.0000209	-0.1
29.0000	1.0000200	1.0000199	-0.1
32.5000	1.0000180	1.0000181	0.1

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

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

