

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: 0417

CALIBRATION DATE: 29-Sep-15

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999692e-001

rtca1 = 1.836431e-006

rtca2 = -2.910330e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999710	0.9999710	0.0
4.5000	0.9999770	0.9999769	-0.1
15.0000	0.9999900	0.9999902	0.2
18.4999	0.9999930	0.9999932	0.2
24.0000	0.9999970	0.9999965	-0.5
29.0000	0.9999980	0.9999980	-0.0
32.4999	0.9999980	0.9999982	0.2

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

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

