

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: 0816
CALIBRATION DATE: 08-Dec-16

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999795e-001

rtca1 = 1.706844e-006

rtca2 = -3.015503e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999810	0.9999812	0.2
4.5000	0.9999870	0.9999866	-0.4
15.0000	0.9999980	0.9999984	0.4
18.5000	1.0000010	1.0000008	-0.2
24.0000	1.0000030	1.0000031	0.1
29.0000	1.0000040	1.0000037	-0.3
32.5000	1.0000030	1.0000032	0.2

t = temperature (°C)

RTC frequency = $rtca0 + rtca1 * t + rtca2 * t^2$

Residual (PPM) = (Computed RTC frequency - Measured RTC frequency) * 1e6

