

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: 1863
CALIBRATION DATE: 20-Nov-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999903e-001

rtca1 = 1.650119e-006

rtca2 = -3.229403e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999920	0.9999920	-0.0
4.5000	0.9999970	0.9999971	0.1
15.0000	1.0000080	1.0000078	-0.2
18.5001	1.0000100	1.0000098	-0.2
24.0000	1.0000110	1.0000113	0.3
29.0000	1.0000110	1.0000110	0.0
32.4999	1.0000100	1.0000099	-0.1

t = temperature (°C)

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

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

