

# 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: 1858  
CALIBRATION DATE: 20-Nov-15

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999895e-001

rtca1 = 1.767563e-006

rtca2 = -3.250243e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999910	0.9999912	0.2
4.5000	0.9999970	0.9999968	-0.2
15.0000	1.0000090	1.0000087	-0.3
18.5001	1.0000110	1.0000111	0.1
24.0000	1.0000130	1.0000132	0.2
29.0000	1.0000130	1.0000134	0.4
32.4999	1.0000130	1.0000126	-0.4

t = temperature (°C)

RTC frequency = rtca0 + rtca1 \* t + rtca2 \* t<sup>2</sup>

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

