

# 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: 4078  
CALIBRATION DATE: 22-Nov-15

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999862e-001

rtca1 = 1.692491e-006

rtca2 = -3.200122e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999880	0.9999878	-0.2
4.5000	0.9999930	0.9999931	0.1
15.0000	1.0000040	1.0000044	0.4
18.5000	1.0000070	1.0000065	-0.5
24.0000	1.0000080	1.0000084	0.4
29.0000	1.0000090	1.0000083	-0.7
32.5000	1.0000070	1.0000074	0.4

t = temperature (°C)

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

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

