



Sea-Bird Scientific  
13431 NE 20<sup>th</sup> Street  
Bellevue, WA 98005  
USA

+1 425-643-9866  
seabird@seabird.com  
www.seabird.com

SENSOR SERIAL NUMBER: 3764  
CALIBRATION DATE: 03-May-19

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999834e-001  
rtca1 = 1.600612e-006  
rtca2 = -3.279772e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999850	0.9999850	0.0
4.5000	0.9999900	0.9999900	-0.0
15.0000	1.0000000	1.0000001	0.1
18.5000	1.0000020	1.0000018	-0.2
23.9999	1.0000030	1.0000030	-0.0
29.0000	1.0000020	1.0000023	0.3
32.5000	1.0000010	1.0000008	-0.2

t = temperature (°C)

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

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

