



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: 1805  
CALIBRATION DATE: 28-May-21

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999741e-001  
rtca1 = 1.736446e-006  
rtca2 = -3.098048e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
0.9999	0.9999760	0.9999758	-0.2
4.5000	0.9999810	0.9999813	0.3
14.9999	0.9999930	0.9999932	0.2
18.4999	0.9999960	0.9999956	-0.4
24.0000	0.9999980	0.9999979	-0.1
29.0001	0.9999980	0.9999984	0.4
32.5000	0.9999980	0.9999978	-0.2

t = temperature (°C)

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

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

