Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

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

SENSOR SERIAL NUMBER: 1526
CALIBRATION DATE: 07-Aug-22

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
rtca0 = 9.999780e-001
rtca1 = 1.793301e-006
rtca2 = -3.534411e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999800	0.9999798	-0.2
4.5000	0.9999850	0.9999853	0.3
15.0000	0.9999970	0.9999969	-0.1
18.5000	0.9999990	0.9999991	0.1
24.0000	1.0000010	1.0000007	-0.3
29.0000	1.0000000	1.0000003	0.3
32.5000	0.9999990	0.9999989	-0.1

t = temperature (°C)

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

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

Date, Delta F PPM

● 14-Aug-14 3.00
▲ 07-Aug-22 -0.00

POST CRUISE CALIBRATION

1