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

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

SENSOR SERIAL NUMBER: 3770
CALIBRATION DATE: 25-May-21

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
rtca0 = 9.999912e-001
rtca1 = 1.703675e-006
rtca2 = -3.485164e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
0.9998	0.9999930	0.9999929	-0.1
4.5000	0.9999980	0.9999982	0.2
15.0000	1.0000090	1.0000089	-0.1
18.5000	1.0000110	1.0000108	-0.2
23.9999	1.0000120	1.0000120	0.0
28.9999	1.0000110	1.0000113	0.3
32.5001	1.0000100	1.0000098	-0.2

t = temperature (°C)

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

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

Date, Delta F PPM
● 22-Jun-18   2.00
▲ 25-May-21   -0.00

POST CRUISE CALIBRATION

1