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

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

SENSOR SERIAL NUMBER: 3979
CALIBRATION DATE: 18-Feb-24

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
rtca0 = 9.999903e-001
rtca1 = 1.636613e-006
rtca2 = -3.073099e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
0.9999	0.9999920	0.9999919	-0.1
4.4999	0.9999970	0.9999971	0.1
14.9999	1.0000080	1.0000080	-0.0
18.5000	1.0000100	1.0000101	0.1
23.9999	1.0000120	1.0000119	-0.1
29.0000	1.0000120	1.0000120	-0.0
32.5000	1.0000110	1.0000111	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
● 07-May-19   2.00
▲ 18-Feb-24   -0.00

POST CRUISE
CALIBRATION