



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

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

SENSOR SERIAL NUMBER: 0475
CALIBRATION DATE: 13-Dec-17

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999737e-001
rtca1 = 1.630242e-006
rtca2 = -2.499392e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999750	0.9999753	0.3
4.5000	0.9999810	0.9999805	-0.5
15.0000	0.9999920	0.9999925	0.5
18.5000	0.9999950	0.9999953	0.3
24.0000	0.9999990	0.9999984	-0.6
29.0000	1.0000000	0.9999999	-0.1
32.5000	1.0000000	1.0000002	0.2

t = temperature (°C)

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

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

