

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 1851
CALIBRATION DATE: 19-Oct-16

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999842e-001

rtca1 = 1.686133e-006

rtca2 = -3.022750e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999860	0.9999859	-0.1
4.5000	0.9999910	0.9999912	0.2
15.0000	1.0000030	1.0000027	-0.3
18.5000	1.0000050	1.0000051	0.1
24.0000	1.0000070	1.0000073	0.3
29.0000	1.0000080	1.0000077	-0.3
32.4999	1.0000070	1.0000071	0.1

t = temperature (°C)

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

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

