

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: 07-Feb-14

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999842e-001

rtca1 = 1.690101e-006

rtca2 = -3.075029e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999860	0.9999859	-0.1
4.4999	0.9999910	0.9999912	0.2
15.0000	1.0000030	1.0000027	-0.3
18.5000	1.0000050	1.0000050	-0.0
23.9999	1.0000070	1.0000071	0.1
29.0001	1.0000070	1.0000074	0.4
32.5001	1.0000070	1.0000067	-0.3

$$\text{RTC frequency} = \text{rtca0} + \text{rtca1} * t + \text{rtca2} * t^2$$

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

Date, Delta F ppm

