

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: 0475
CALIBRATION DATE: 29-Oct-13

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999737e-001

rtca1 = 1.639764e-006

rtca2 = -2.603384e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999750	0.9999753	0.3
4.5000	0.9999810	0.9999805	-0.5
15.0000	0.9999920	0.9999924	0.4
18.5000	0.9999950	0.9999951	0.1
24.0000	0.9999980	0.9999980	0.0
29.0000	1.0000000	0.9999993	-0.7
32.5000	0.9999990	0.9999994	0.4

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

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

Date, Delta F ppm

