

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: 2318
CALIBRATION DATE: 10-Dec-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999941e-001

rtca1 = 1.576740e-006

rtca2 = -3.360412e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999960	0.9999956	-0.4
4.5000	1.0000000	1.0000005	0.5
15.0000	1.0000100	1.0000102	0.2
18.5000	1.0000120	1.0000118	-0.2
24.0000	1.0000130	1.0000126	-0.4
29.0000	1.0000110	1.0000115	0.5
32.4999	1.0000100	1.0000098	-0.2

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

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

Date, Delta F ppm

