

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: 4254
CALIBRATION DATE: 18-Apr-12

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999814e-001

rtca1 = 1.587116e-006

rtca2 = -3.123494e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999830	0.9999830	-0.0
4.4999	0.9999880	0.9999879	-0.1
14.9999	0.9999980	0.9999982	0.2
18.5000	1.0000000	1.0000001	0.1
24.0000	1.0000020	1.0000015	-0.5
29.0000	1.0000010	1.0000012	0.2
32.5000	1.0000000	1.0000000	0.0

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

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

