

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: 0678
CALIBRATION DATE: 16-Aug-13

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999632e-001

rtca1 = 1.682866e-006

rtca2 = -2.842219e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999650	0.9999649	-0.1
4.5000	0.9999700	0.9999702	0.2
15.0000	0.9999820	0.9999821	0.1
18.5000	0.9999850	0.9999846	-0.4
24.0000	0.9999870	0.9999872	0.2
29.0000	0.9999880	0.9999881	0.1
32.5000	0.9999880	0.9999879	-0.1

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

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

Date, Delta F ppm

