

SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0409
CALIBRATION DATE: 07-Jul-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999753e-001

rtca1 = 1.806761e-006

rtca2 = -3.294320e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999770	0.9999770	0.0
4.5000	0.9999830	0.9999827	-0.3
15.0000	0.9999940	0.9999950	1.0
18.5000	0.9999980	0.9999974	-0.6
24.0000	1.0000000	0.9999997	-0.3
29.0000	1.0000000	1.0000000	-0.0
32.5000	0.9999990	0.9999992	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

