

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: 0470
CALIBRATION DATE: 01-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999750e-001
rtca1 = 1.772446e-006
rtca2 = -2.891361e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999770	0.9999767	-0.3
4.4999	0.9999820	0.9999824	0.4
15.0000	0.9999950	0.9999951	0.1
18.5000	0.9999980	0.9999979	-0.1
24.0000	1.0000010	1.0000009	-0.1
29.0000	1.0000020	1.0000021	0.1
32.5000	1.0000020	1.0000020	0.0

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

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

Date, Delta F ppm

