

# 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: 3762  
CALIBRATION DATE: 05-Jan-11

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999795e-001

rtca1 = 1.600512e-006

rtca2 = -3.025873e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999810	0.9999811	0.1
4.5000	0.9999860	0.9999861	0.1
14.9999	0.9999970	0.9999967	-0.3
18.5000	0.9999990	0.9999987	-0.3
24.0000	1.0000000	1.0000005	0.5
29.0000	1.0000000	1.0000005	0.5
32.5000	1.0000000	0.9999995	-0.5

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

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

Date, Delta F ppm

