

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: 2325
CALIBRATION DATE: 05-Jan-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999904e-001

rtca1 = 1.746938e-006

rtca2 = -3.115066e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999920	0.9999921	0.1
4.5000	0.9999980	0.9999976	-0.4
14.9999	1.0000090	1.0000096	0.6
18.5000	1.0000120	1.0000121	0.1
24.0000	1.0000150	1.0000144	-0.6
29.0000	1.0000150	1.0000149	-0.1
32.5000	1.0000140	1.0000143	0.3

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

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

Date, Delta F ppm

