

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

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

SENSOR SERIAL NUMBER: 3533
CALIBRATION DATE: 07-Sep-0

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999792e-001

rtca1 = 1.690104e-006

rtca2 = -3.075039e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999810	0.9999809	-0.1
4.4999	0.9999860	0.9999862	0.2
15.0000	0.9999980	0.9999977	-0.3
18.4999	1.0000000	1.0000000	-0.0
23.9999	1.0000020	1.0000021	0.1
29.0001	1.0000020	1.0000024	0.4
32.5001	1.0000020	1.0000017	-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

