

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: 3531

CALIBRATION DATE: 01-Sep-0

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999827e-001

rtca1 = 1.711870e-006

rtca2 = -3.306923e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999850	0.9999844	-0.6
4.4999	0.9999890	0.9999898	0.8
14.9999	1.0000010	1.0000010	-0.0
18.5000	1.0000030	1.0000031	0.1
24.0000	1.0000050	1.0000048	-0.2
29.0000	1.0000050	1.0000046	-0.4
32.5000	1.0000030	1.0000034	0.4

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

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

Date, Delta F ppm

