

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: 0826
CALIBRATION DATE: 10-Jul-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999863e-001

rtca1 = 1.623128e-006

rtca2 = -2.916830e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999880	0.9999879	-0.1
4.5000	0.9999930	0.9999930	0.0
15.0000	1.0000040	1.0000041	0.1
18.5000	1.0000060	1.0000064	0.4
24.0000	1.0000090	1.0000085	-0.5
29.0000	1.0000090	1.0000089	-0.1
32.5000	1.0000080	1.0000083	0.3

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

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

