

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1853
CALIBRATION DATE: 19-Jan-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999852e-001

rtca1 = 1.682972e-006

rtca2 = -3.096138e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999870	0.9999868	-0.2
4.5000	0.9999920	0.9999921	0.1
15.0000	1.0000030	1.0000035	0.5
18.5000	1.0000060	1.0000057	-0.3
23.9999	1.0000080	1.0000077	-0.3
29.0000	1.0000080	1.0000079	-0.1
32.4999	1.0000070	1.0000072	0.2

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

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

