

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3531
CALIBRATION DATE: 27-Jul-07

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999832e-001

rtca1 = 1.686222e-006

rtca2 = -3.276627e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999850	0.9999849	-0.1
4.5000	0.9999900	0.9999901	0.1
15.0000	1.0000010	1.0000011	0.1
18.5000	1.0000030	1.0000032	0.2
24.0000	1.0000050	1.0000048	-0.2
29.0000	1.0000050	1.0000045	-0.5
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

