

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0813
CALIBRATION DATE: 11-Feb-14

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999834e-001

rtca1 = 1.624187e-006

rtca2 = -3.622869e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999810	0.9999809	-0.1
1.0000	0.9999850	0.9999850	0.0
4.5000	0.9999900	0.9999900	0.0
8.0000	0.9999940	0.9999941	0.1
11.5000	0.9999970	0.9999973	0.3
15.0000	1.0000000	0.9999996	-0.4
18.5000	1.0000010	1.0000011	0.1
22.0000	1.0000020	1.0000016	-0.4
25.5000	1.0000010	1.0000013	0.3
29.0000	1.0000000	1.0000001	0.1
32.5000	0.9999980	0.9999979	-0.1

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

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

Date, Delta F ppm

