

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: 0511
CALIBRATION DATE: 06-Oct-16

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999795e-001
rtca1 = 1.568335e-006
rtca2 = -3.457143e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999770	0.9999771	0.1
1.0000	0.9999810	0.9999810	0.0
4.5000	0.9999860	0.9999859	-0.1
8.0001	0.9999900	0.9999898	-0.2
11.5000	0.9999930	0.9999930	-0.0
15.0000	0.9999950	0.9999953	0.3
18.5000	0.9999970	0.9999967	-0.3
22.0000	0.9999970	0.9999973	0.3
25.5000	0.9999970	0.9999970	0.0
29.0000	0.9999960	0.9999959	-0.1
32.5000	0.9999940	0.9999940	-0.0

t = temperature (°C)

RTC frequency = $rtca0 + rtca1 * t + rtca2 * t^2$

Residual (PPM) = (Computed RTC frequency - Measured RTC frequency) * 1e6

