SEA·BIRD SCIENTIFIC

Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 1810
CALIBRATION DATE: 10-Jul-19

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
rtca0 = 9.999732e-001
rtca1 = 1.682954e-006
rtca2 = -3.096099e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
0.9999	0.9999750	0.9999748	-0.2
4.4999	0.9999800	0.9999801	0.1
15.0000	0.9999910	0.9999915	0.5
18.5000	0.9999940	0.9999937	-0.3
23.9999	0.9999960	0.9999957	-0.3
29.0000	0.9999960	0.9999959	-0.1
32.5000	0.9999950	0.9999952	0.2

t = temperature (°C)

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

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

Date, Delta F PPM
● 29-Sep-16   1.00
▲ 10-Jul-19   0.00

POST CRUISE
CALIBRATION