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SENSOR SERIAL NUMBER: 0826  
CALIBRATION DATE: 31-Oct-18

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999863e-001  
rtca1 = 1.623134e-006  
rtca2 = -2.916847e-008

| BATH<br>TEMPERATURE (° C) | RTC<br>FREQUENCY (Hz) | COMPUTED<br>FREQUENCY (Hz) | RESIDUAL<br>(PPM) |
|---------------------------|-----------------------|----------------------------|-------------------|
| 1.0000                    | 0.9999880             | 0.9999879                  | -0.1              |
| 4.5000                    | 0.9999930             | 0.9999930                  | 0.0               |
| 14.9999                   | 1.0000040             | 1.0000041                  | 0.1               |
| 18.5000                   | 1.0000060             | 1.0000064                  | 0.4               |
| 23.9999                   | 1.0000090             | 1.0000085                  | -0.5              |
| 29.0000                   | 1.0000090             | 1.0000089                  | -0.1              |
| 32.5000                   | 1.0000080             | 1.0000083                  | 0.3               |

t = temperature (°C)

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

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

