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SENSOR SERIAL NUMBER: 0817  
CALIBRATION DATE: 25-Oct-18

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000008e+000  
rtca1 = 1.650219e-006  
rtca2 = -3.483308e-008

| BATH<br>TEMPERATURE (° C) | RTC<br>FREQUENCY (Hz) | COMPUTED<br>FREQUENCY (Hz) | RESIDUAL<br>(PPM) |
|---------------------------|-----------------------|----------------------------|-------------------|
| 1.0000                    | 1.0000100             | 1.0000099                  | -0.1              |
| 4.4999                    | 1.0000150             | 1.0000150                  | 0.0               |
| 15.0000                   | 1.0000250             | 1.0000252                  | 0.2               |
| 18.5000                   | 1.0000270             | 1.0000269                  | -0.1              |
| 24.0000                   | 1.0000280             | 1.0000279                  | -0.1              |
| 29.0000                   | 1.0000270             | 1.0000269                  | -0.1              |
| 32.5000                   | 1.0000250             | 1.0000252                  | 0.2               |

t = temperature (°C)

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

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

