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SENSOR SERIAL NUMBER: 4312 CALIBRATION DATE: 21-Oct-17 SBE 3 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

g = 4.38263086e-03 h = 6.51219184e-04 i = 2.31477004e-05 j = 1.84685868e-06

f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3057.281	-1.5000	0.00001
1.0000	3231.573	1.0000	-0.00001
4.5000	3487.511	4.5000	0.00001
8.0001	3757.724	8.0001	-0.00004
11.5000	4042.591	11.5000	0.00003
15.0000	4342.500	15.0000	0.00003
18.5000	4657.812	18.5000	-0.00002
22.0001	4988.906	22.0001	-0.00002
25.5000	5336.100	25.5000	0.00003
29.0001	5699.755	29.0001	-0.00002
32.5000	6080.171	32.5000	0.00001

f = Instrument Output (Hz)

Temperature ITS-90 (°C) =  $1/\{g + h[ln(f0/f)] + i[ln^2(f0/f)] + j[ln^3(f0/f)]\} - 273.15$ 

Residual ( $^{\circ}$ C) = instrument temperature - bath temperature

