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SENSOR SERIAL NUMBER: 4230 CALIBRATION DATE: 19-Oct-17

SBE 3 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

g = 4.37243607e-003 h = 6.48288745e-004 i = 2.27023046e-005 j = 1.80599980e-006

f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3019.989	-1.5000	0.00001
1.0000	3192.646	1.0000	0.00002
4.5000	3446.211	4.4999	-0.00006
8.0000	3713.968	8.0000	-0.00004
11.5000	3996.304	11.5000	0.00004
15.0000	4293.590	15.0001	0.00007
18.5000	4606.188	18.5000	-0.00001
22.0000	4934.475	22.0000	0.00001
25.5001	5278.796	25.5001	-0.00003
29.0001	5639.472	29.0000	-0.00007
32.5000	6016.845	32.5001	0.00006

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

