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SENSOR SERIAL NUMBER: 1701
CALIBRATION DATE: 06-Oct-23

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39858592e-003
h = 6.44801439e-004
i = 2.31635285e-005
j = 2.20372800e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3174.756	-1.5000	0.00003
1.0000	3357.677	1.0000	-0.00001
4.5001	3626.400	4.5000	-0.00009
8.0000	3910.228	8.0000	0.00001
11.5000	4209.568	11.5000	0.00003
15.0000	4524.812	15.0001	0.00008
18.5000	4856.322	18.5000	-0.00001
22.0000	5204.482	22.0000	-0.00004
25.5000	5569.642	25.5000	-0.00004
29.0000	5952.140	29.0000	-0.00001
32.5000	6352.298	32.5000	0.00003

f = Instrument Output (Hz)

Temperature ITS-90 (°C) = $1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

