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SENSOR SERIAL NUMBER: 4130  
CALIBRATION DATE: 03-Jan-24

SBE 3 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40281141e-003  
h = 6.48649897e-004  
i = 2.40505994e-005  
j = 2.22493336e-006  
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3179.668	-1.5000	0.00002
1.0000	3362.308	0.9999	-0.00005
4.5000	3630.617	4.5000	0.00002
8.0000	3913.998	8.0000	0.00004
11.5000	4212.855	11.5000	-0.00001
15.0000	4527.591	15.0000	-0.00004
18.5000	4858.593	18.5000	0.00000
22.0000	5206.222	22.0000	0.00001
25.5000	5570.838	25.5000	0.00001
29.0000	5952.783	29.0000	0.00001
32.5000	6352.386	32.5000	-0.00001

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

