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SENSOR SERIAL NUMBER: 6177
CALIBRATION DATE: 30-Jan-20

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35450935e-003
h = 6.38033080e-004
i = 2.26612163e-005
j = 2.16361245e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2984.107	-1.5000	0.00003
1.0000	3157.192	1.0000	-0.00004
4.5000	3411.593	4.5000	-0.00001
8.0000	3680.445	8.0000	-0.00001
11.5000	3964.151	11.5000	0.00004
15.0000	4263.082	15.0000	-0.00003
18.5000	4577.633	18.5000	0.00004
22.0000	4908.145	22.0000	0.00000
25.5000	5254.977	25.5000	-0.00002
29.0000	5618.464	29.0000	-0.00004
32.5000	5998.939	32.5000	0.00004

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

