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SENSOR SERIAL NUMBER: 1692
CALIBRATION DATE: 24-May-22

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.80184482e-003
h = 6.71802291e-004
i = 2.55159852e-005
j = 2.00807198e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	5874.285	-1.5000	-0.00002
1.0000	6212.607	1.0000	0.00004
4.5000	6709.505	4.5000	-0.00001
8.0000	7234.236	8.0000	-0.00000
11.5000	7787.527	11.5000	-0.00000
15.0000	8370.101	15.0001	0.00006
18.5000	8982.596	18.4999	-0.00012
22.0000	9625.782	22.0000	0.00003
25.5000	10300.220	25.5001	0.00006
29.0000	11006.531	29.0000	0.00000
32.5000	11745.327	32.5000	-0.00002

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

