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SENSOR SERIAL NUMBER: 2946
CALIBRATION DATE: 08-Dec-18

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.34371332e-003
h = 6.38502665e-004
i = 2.09291280e-005
j = 1.72590119e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2921.008	-1.4999	0.00008
1.0000	3089.453	1.0000	-0.00004
4.5000	3336.921	4.4999	-0.00014
8.0000	3598.336	7.9999	-0.00006
11.5000	3874.073	11.5001	0.00010
15.0000	4164.502	15.0003	0.00030
18.5000	4469.924	18.4999	-0.00014
22.0000	4790.780	21.9998	-0.00017
25.5000	5127.395	25.5000	-0.00000
29.0000	5480.068	29.0000	0.00005
32.5000	5849.117	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

