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SENSOR SERIAL NUMBER: 0710
CALIBRATION DATE: 26-Feb-19

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.79495256e-003
h = 6.76957307e-004
i = 2.92657049e-005
j = 2.65845678e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	5797.511	-1.5000	0.00001
1.0000	6132.342	1.0000	0.00004
4.5000	6624.244	4.5000	-0.00005
8.0000	7143.836	7.9999	-0.00011
11.5000	7691.861	11.5000	-0.00000
15.0000	8268.983	15.0001	0.00006
18.5000	8875.881	18.5001	0.00013
22.0000	9513.182	22.0001	0.00013
25.5000	10181.461	25.4999	-0.00014
29.0000	10881.376	28.9997	-0.00028
32.5000	11613.589	32.5002	0.00020

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

