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SENSOR SERIAL NUMBER: 3333
 CALIBRATION DATE: 18-Feb-21

SBE 21 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.26863619e-003
 h = 6.24206436e-004
 i = 1.82983359e-005
 j = 1.33986210e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2782.226	0.9999	-0.00012
4.5000	3007.805	4.5002	0.00022
15.0000	3763.184	14.9999	-0.00012
18.4999	4042.415	18.4998	-0.00009
24.0000	4510.242	24.0000	0.00004
29.0000	4967.242	29.0002	0.00025
32.5000	5305.563	32.4998	-0.00017

f = Instrument Output (Hz)

$$\text{Temperature ITS-90 (°C)} = 1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$$

$$\text{Residual (°C)} = \text{instrument temperature} - \text{bath temperature}$$

