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SENSOR SERIAL NUMBER: 3364  
 CALIBRATION DATE: 20-Mar-20

SBE 21 TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.20880697e-003  
 h = 6.12560246e-004  
 i = 1.85593599e-005  
 j = 1.29815383e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2562.996	1.0001	0.00007
4.5000	2774.483	4.4999	-0.00012
15.0000	3485.201	15.0001	0.00007
18.5000	3748.759	18.5000	0.00004
24.0000	4191.224	24.0000	0.00001
29.0000	4624.474	28.9998	-0.00017
32.5000	4945.917	32.5001	0.00010

f = Instrument Output (Hz)

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

Residual (°C) = instrument temperature - bath temperature

