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SENSOR SERIAL NUMBER: 0521  
CALIBRATION DATE: 28-Jan-21

SBE 16 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.24334617e-003  
h = 6.10073787e-004  
i = 7.17305763e-006  
j = -1.12596744e-006  
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2690.585	0.9999	-0.00006
4.5000	2908.006	4.5001	0.00011
14.9998	3634.563	14.9997	-0.00010
18.4999	3902.719	18.5000	0.00008
24.0000	4351.544	23.9998	-0.00019
29.0000	4789.732	29.0003	0.00033
32.5001	5113.988	32.4999	-0.00017

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

