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SENSOR SERIAL NUMBER: 0521  
CALIBRATION DATE: 16-Jan-21

SBE 16 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.24274335e-003  
h = 6.08479378e-004  
i = 5.83625805e-006  
j = -1.49016674e-006  
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2690.661	0.9998	-0.00022
4.4999	2908.111	4.5003	0.00040
15.0000	3634.632	14.9997	-0.00031
18.5000	3902.778	18.5000	-0.00005
24.0000	4351.632	24.0000	0.00003
29.0000	4789.860	29.0004	0.00043
32.5001	5114.170	32.4998	-0.00029

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

