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SENSOR SERIAL NUMBER: 0521
CALIBRATION DATE: 02-Aug-17

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.24338238e-003
h = 6.10108047e-004
i = 7.20840890e-006
j = -1.11531920e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2690.702	0.9999	-0.00012
4.5000	2908.146	4.5002	0.00022
15.0000	3634.749	14.9999	-0.00013
18.4999	3902.895	18.4998	-0.00008
23.9999	4351.766	23.9999	0.00002
28.9999	4789.953	29.0002	0.00028
32.5000	5114.226	32.4998	-0.00019

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

