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SENSOR SERIAL NUMBER: 1815
CALIBRATION DATE: 07-May-19

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.17216399e-003
h = 5.87402389e-004
i = 9.43084568e-007
j = -2.40438103e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2452.731	0.9998	-0.00021
4.5000	2655.386	4.5004	0.00040
15.0000	3333.863	14.9996	-0.00039
18.5000	3584.789	18.4999	-0.00007
24.0000	4005.404	24.0004	0.00044
29.0000	4416.591	28.9999	-0.00010
32.5000	4721.392	32.4999	-0.00006

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

