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SENSOR SERIAL NUMBER: 0655
CALIBRATION DATE: 20-Jan-21

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.17197902e-003
h = 5.86385788e-004
i = 2.41154183e-006
j = -2.03495949e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2459.719	0.9998	-0.00025
4.5000	2664.000	4.5005	0.00045
15.0001	3348.626	14.9998	-0.00027
18.5000	3602.023	18.4997	-0.00032
24.0000	4027.094	24.0005	0.00049
29.0000	4442.871	29.0001	0.00005
32.5000	4751.181	32.4998	-0.00016

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

