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SENSOR SERIAL NUMBER: 0653  
CALIBRATION DATE: 26-Feb-20

SBE 16 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.22773921e-003  
h = 5.91366883e-004  
i = 5.94980449e-006  
j = -1.11679875e-006  
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	2698.526	0.9997	-0.00017
4.4999	2923.012	4.5002	0.00032
15.0000	3676.082	14.9998	-0.00024
18.4999	3955.018	18.4998	-0.00015
24.0000	4423.058	24.0003	0.00031
29.0000	4881.047	29.0000	0.00004
32.5000	5220.713	32.4999	-0.00011

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

