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SENSOR SERIAL NUMBER: 0658  
CALIBRATION DATE: 20-Jan-21

SBE 16 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.19202456e-003  
h = 5.96167299e-004  
i = 7.70003299e-006  
j = -8.33087727e-007  
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2522.643	0.9999	-0.00009
4.5000	2731.175	4.5002	0.00019
15.0001	3430.316	14.9998	-0.00033
18.5000	3689.146	18.5002	0.00018
24.0000	4123.170	24.0002	0.00018
29.0000	4547.696	28.9998	-0.00018
32.5000	4862.456	32.5000	0.00005

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

