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SENSOR SERIAL NUMBER: 2860  
 CALIBRATION DATE: 22-Mar-22

SBE 3 TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.38299121e-003  
 h = 6.47627593e-004  
 i = 2.37507978e-005  
 j = 2.24300830e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3080.572	-1.4999	0.00006
1.0000	3257.284	0.9999	-0.00005
4.5000	3516.848	4.4999	-0.00007
8.0000	3790.959	8.0000	-0.00003
11.5000	4080.006	11.5001	0.00006
15.0000	4384.362	15.0002	0.00016
18.5000	4704.360	18.4999	-0.00009
22.0000	5040.407	21.9999	-0.00007
25.5000	5392.827	25.5000	0.00002
29.0000	5761.923	29.0000	-0.00003
32.5000	6148.036	32.5000	0.00004

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

