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SENSOR SERIAL NUMBER: 5348  
 CALIBRATION DATE: 04-Oct-18

SBE 3 TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36758573e-003  
 h = 6.36787260e-004  
 i = 2.15462087e-005  
 j = 1.88434054e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3052.310	-1.5000	0.00001
1.0000	3229.503	1.0000	0.00000
4.5000	3489.930	4.5000	-0.00004
8.0000	3765.157	8.0000	-0.00005
11.5000	4055.602	11.5001	0.00008
15.0000	4361.644	15.0001	0.00010
18.5000	4683.659	18.4999	-0.00011
22.0000	5022.067	21.9999	-0.00006
25.5000	5377.216	25.5001	0.00005
29.0000	5749.436	29.0000	0.00002
32.5000	6139.079	32.5000	-0.00001

f = Instrument Output (Hz)

$$\text{Temperature ITS-90 (°C)} = 1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$$

$$\text{Residual (°C)} = \text{instrument temperature} - \text{bath temperature}$$

