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SENSOR SERIAL NUMBER: 1556  
 CALIBRATION DATE: 12-Dec-18

SBE 3 TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.84648358e-003  
 h = 6.80870698e-004  
 i = 2.66130579e-005  
 j = 2.07001603e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	6189.924	-1.4999	0.00012
1.0000	6543.874	0.9999	-0.00012
4.5000	7063.582	4.4999	-0.00013
8.0000	7612.167	8.0000	0.00001
11.5000	8190.355	11.5001	0.00015
15.0000	8798.870	15.0003	0.00026
18.5000	9438.302	18.4998	-0.00023
22.0000	10109.549	21.9999	-0.00014
25.5000	10813.176	25.5000	0.00003
29.0000	11549.765	29.0001	0.00008
32.5000	12319.905	32.5000	-0.00002

f = Instrument Output (Hz)

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

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

