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SENSOR SERIAL NUMBER: 0975  
 CALIBRATION DATE: 28-Dec-18

SBE 3 TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35110058e-003  
 h = 6.28254341e-004  
 i = 1.95904179e-005  
 j = 1.44245547e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3007.204	-1.5001	-0.00008
1.0000	3183.427	1.0001	0.00010
4.5000	3442.562	4.5001	0.00005
8.0000	3716.611	8.0000	-0.00002
11.5000	4006.012	11.5000	-0.00005
15.0000	4311.186	15.0000	-0.00004
18.5000	4632.544	18.5000	-0.00004
22.0000	4970.496	22.0000	0.00003
25.5000	5325.425	25.5001	0.00006
29.0000	5697.713	29.0000	0.00005
32.5000	6087.722	32.4999	-0.00006

f = Instrument Output (Hz)

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

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

