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SENSOR SERIAL NUMBER: 5539  
 CALIBRATION DATE: 04-Nov-17

SBE 3 TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.31365803e-003  
 h = 6.35416427e-004  
 i = 2.20460986e-005  
 j = 2.02048859e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2797.091	-1.5000	0.00003
1.0000	2959.266	1.0000	-0.00003
4.5000	3197.639	4.5000	-0.00003
8.0000	3449.571	8.0000	0.00000
11.5000	3715.433	11.5000	-0.00001
15.0000	3995.601	15.0001	0.00005
18.5000	4290.418	18.5000	0.00002
22.0000	4600.240	22.0000	0.00000
25.5001	4925.406	25.5001	-0.00004
29.0001	5266.227	29.0000	-0.00005
32.5000	5623.020	32.5000	0.00005

f = Instrument Output (Hz)

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

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

