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SENSOR SERIAL NUMBER: 6243  
 CALIBRATION DATE: 25-Aug-17

SBE 3 TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39634241e-003  
 h = 6.43185588e-004  
 i = 2.34324200e-005  
 j = 2.18319507e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3174.826	-1.5000	-0.00000
1.0000	3358.493	1.0000	0.00001
4.5000	3628.405	4.5000	0.00001
8.0000	3913.612	8.0000	-0.00001
11.5000	4214.536	11.5000	-0.00001
15.0000	4531.582	15.0000	0.00000
18.5000	4865.146	18.5000	0.00002
22.0000	5215.605	22.0000	0.00000
25.5000	5583.331	25.5000	-0.00002
29.0000	5968.685	29.0000	0.00001
32.5000	6371.997	32.5000	0.00000

f = Instrument Output (Hz)

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

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

