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SENSOR SERIAL NUMBER: 2779  
 CALIBRATION DATE: 12-Dec-18

SBE 3 TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.37483153e-003  
 h = 6.48519335e-004  
 i = 2.35064839e-005  
 j = 2.17701366e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3033.119	-1.5000	0.00003
1.0000	3206.611	1.0000	-0.00003
4.5000	3461.394	4.5000	-0.00003
8.0000	3730.395	8.0000	-0.00005
11.5000	4014.004	11.5001	0.00006
15.0000	4312.571	15.0001	0.00010
18.5000	4626.441	18.4999	-0.00005
22.0000	4955.987	22.0000	-0.00005
25.5000	5301.532	25.5000	0.00001
29.0000	5663.381	29.0000	-0.00001
32.5000	6041.852	32.5000	0.00002

f = Instrument Output (Hz)

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

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

