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SENSOR SERIAL NUMBER: 5584  
CALIBRATION DATE: 27-Jul-19

SBE 3 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40701404e-003  
h = 6.41853884e-004  
i = 2.32809937e-005  
j = 2.21183299e-006  
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3239.136	-1.5000	0.00003
1.0000	3426.995	1.0000	-0.00002
4.5000	3703.099	4.5000	-0.00003
8.0000	3994.882	8.0000	0.00001
11.5000	4302.761	11.5000	-0.00003
15.0000	4627.172	15.0001	0.00008
18.5000	4968.485	18.5000	-0.00001
22.0000	5327.113	22.0000	-0.00004
25.5000	5703.433	25.5000	-0.00001
29.0000	6097.796	29.0000	-0.00001
32.5000	6510.553	32.5000	0.00002

f = Instrument Output (Hz)

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

Residual (°C) = instrument temperature - bath temperature

