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SENSOR SERIAL NUMBER: 5017  
CALIBRATION DATE: 16-Jan-20

SBE 3 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.33019583e-003  
h = 6.35633482e-004  
i = 2.09811967e-005  
j = 1.83278369e-006  
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2870.033	-1.5000	0.00002
1.0000	3036.134	1.0000	-0.00002
4.5000	3280.209	4.5000	-0.00002
8.0000	3538.088	8.0000	0.00002
11.5000	3810.142	11.5000	0.00001
15.0000	4096.748	15.0001	0.00006
18.5000	4398.243	18.4999	-0.00008
22.0000	4715.010	22.0000	-0.00000
25.5000	5047.360	25.5000	0.00001
29.0000	5395.622	29.0000	0.00002
32.5000	5760.106	32.5000	-0.00001

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

