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SENSOR SERIAL NUMBER: 5233
CALIBRATION DATE: 20-May-20

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35374399e-003
h = 6.36530276e-004
i = 2.18485713e-005
j = 1.98081633e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2984.834	-1.5000	0.00003
1.0000	3158.075	1.0000	-0.00003
4.5000	3412.704	4.5000	-0.00002
8.0000	3681.804	8.0000	0.00000
11.5000	3965.771	11.5000	0.00001
15.0000	4264.997	15.0000	0.00003
18.5000	4579.855	18.5000	0.00001
22.0000	4910.714	22.0000	-0.00001
25.5000	5257.929	25.5000	-0.00002
29.0000	5621.840	29.0000	-0.00003
32.5000	6002.782	32.5000	0.00003

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

