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SENSOR SERIAL NUMBER: 1652
CALIBRATION DATE: 24-Jun-21

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.83720751e-003
h = 6.77820197e-004
i = 2.58093681e-005
j = 1.95579651e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	6131.786	-1.4999	0.00013
1.0000	6482.989	0.9999	-0.00011
4.5000	6998.712	4.4999	-0.00014
8.0000	7543.141	7.9999	-0.00008
11.5000	8117.035	11.5001	0.00011
15.0000	8721.114	15.0003	0.00034
18.5000	9355.962	18.5000	-0.00005
22.0000	10022.413	21.9998	-0.00020
25.5000	10721.134	25.4999	-0.00009
29.0000	11452.708	29.0000	0.00001
32.5000	12217.736	32.5001	0.00008

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

