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SENSOR SERIAL NUMBER: 1652
CALIBRATION DATE: 30-Jan-18

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.83715138e-003
h = 6.77742149e-004
i = 2.57818545e-005
j = 1.95220476e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	6131.952	-1.4999	0.00013
1.0000	6483.177	0.9999	-0.00009
4.5001	6998.925	4.4999	-0.00022
8.0000	7543.386	8.0000	-0.00004
11.5000	8117.314	11.5002	0.00017
15.0000	8721.408	15.0003	0.00031
18.5000	9356.288	18.4999	-0.00008
22.0001	10022.787	21.9998	-0.00026
25.5000	10721.554	25.5000	-0.00001
29.0001	11453.171	29.0001	0.00000
32.5001	12218.239	32.5002	0.00006

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

