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SENSOR SERIAL NUMBER: 0653
CALIBRATION DATE: 13-Mar-18

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.22710473e-003
h = 5.89834930e-004
i = 4.70891766e-006
j = -1.45400493e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	2698.497	0.9998	-0.00014
4.5000	2923.000	4.5003	0.00025
15.0000	3676.088	14.9998	-0.00023
18.5000	3955.053	18.5000	-0.00003
24.0000	4423.111	24.0002	0.00016
29.0000	4881.216	29.0001	0.00009
32.5000	5220.994	32.4999	-0.00010

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

