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SENSOR SERIAL NUMBER: 0655
CALIBRATION DATE: 02-Aug-17

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

$g = 4.17423909e-003$
 $h = 5.90615070e-004$
 $i = 5.46535066e-006$
 $j = -9.93499046e-007$
 $f0 = 1000.0$

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2460.400	0.9992	-0.00084
4.5000	2664.380	4.5015	0.00154
15.0000	3347.222	14.9989	-0.00109
18.4999	3599.877	18.4993	-0.00058
23.9999	4023.439	24.0008	0.00091
28.9999	4437.384	29.0008	0.00089
32.5000	4743.947	32.4992	-0.00081

f = Instrument Output (Hz)

Temperature ITS-90 (°C) = $1 / \{g + h[\ln(f0 / f)] + i[\ln^2(f0 / f)] + j[\ln^3(f0 / f)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

