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SENSOR SERIAL NUMBER: 3114
CALIBRATION DATE: 19-May-22

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

$g = 4.21063262e-003$
 $h = 5.89600669e-004$
 $i = -1.59932573e-007$
 $j = -2.68885382e-006$
 $f0 = 1000.0$

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2608.135	0.9997	-0.00032
4.5000	2822.655	4.5006	0.00058
15.0000	3540.351	14.9994	-0.00057
18.5000	3805.690	18.5001	0.00009
23.9999	4250.257	24.0000	0.00008
28.9999	4684.883	29.0004	0.00047
32.5001	5006.889	32.4998	-0.00034

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

