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SENSOR SERIAL NUMBER: 3115  
CALIBRATION DATE: 07-May-24

SBE 16 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.18147099e-003  
h = 6.01214391e-004  
i = 8.89520323e-006  
j = -9.59251154e-007  
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2462.322	1.0000	-0.00003
4.5000	2664.778	4.5000	0.00002
15.0000	3343.673	15.0003	0.00033
18.5000	3594.942	18.4995	-0.00048
24.0000	4016.550	24.0000	-0.00002
29.0000	4429.084	29.0004	0.00040
32.5000	4734.918	32.4998	-0.00022

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

