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SENSOR SERIAL NUMBER: 0562
 CALIBRATION DATE: 05-Feb-23

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.32978323e-003
 h = 6.26188406e-004
 i = 1.95121237e-005
 j = 1.48738734e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2910.790	-1.5000	-0.00003
1.0000	3081.583	1.0000	0.00003
4.5000	3332.770	4.5000	0.00003
8.0000	3598.435	8.0000	-0.00000
11.5000	3879.001	11.5000	-0.00002
15.0000	4174.879	15.0000	-0.00000
18.5000	4486.465	18.5000	-0.00003
22.0000	4814.158	22.0000	-0.00000
25.5000	5158.332	25.5000	-0.00000
28.9999	5519.357	29.0000	0.00008
32.5000	5897.591	32.4999	-0.00005

f = Instrument Output (Hz)

$$\text{Temperature ITS-90 (°C)} = 1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$$

$$\text{Residual (°C)} = \text{instrument temperature} - \text{bath temperature}$$

