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SENSOR SERIAL NUMBER: 0266
 CALIBRATION DATE: 31-Jan-19

Glider APL TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39354881e-003
 h = 6.38456361e-004
 i = 2.58886388e-005
 j = 3.20900279e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3385.455	0.9999	-0.00009
4.5000	3660.578	4.5002	0.00016
15.0000	4581.845	14.9999	-0.00008
18.5000	4922.234	18.4998	-0.00016
24.0000	5492.195	24.0002	0.00024
29.0000	6048.355	29.0000	-0.00003
32.5000	6459.767	32.5000	-0.00004

f = Instrument Output (Hz)

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

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

