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SENSOR SERIAL NUMBER: 0189
CALIBRATION DATE: 03-Nov-17

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39421917e-003
h = 6.39169039e-004
i = 2.60056974e-005
j = 3.19375371e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3385.475	0.9999	-0.00005
4.4999	3660.415	4.5000	0.00009
15.0000	4581.145	15.0000	-0.00004
18.5000	4921.341	18.4999	-0.00007
24.0000	5490.954	24.0001	0.00005
29.0000	6046.856	29.0001	0.00008
32.5000	6458.049	32.4999	-0.00007

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

