Sea-Bird Scientific
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SENSOR SERIAL NUMBER: 0400
CALIBRATION DATE: 05-Jun-25

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
g = 4.40419474e-03
h = 6.31113131e-04
i = 2.39041296e-05
j = 2.78649404e-06
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0001	3487.795	1.0000	-0.00008
4.4999	3773.822	4.5001	0.00016
15.0001	4732.801	14.9999	-0.00020
18.5000	5087.549	18.5000	0.00001
23.9999	5681.942	24.0001	0.00021
29.0000	6262.500	28.9999	-0.00012
32.5001	6692.301	32.5001	0.00001

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

Date, Offset (mdeg C)
● 06-Nov-20   4.89
▲ 05-Jun-25 -0.00

POST CRUISE
CALIBRATION