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SENSOR SERIAL NUMBER: 0399
CALIBRATION DATE: 11-Jun-26

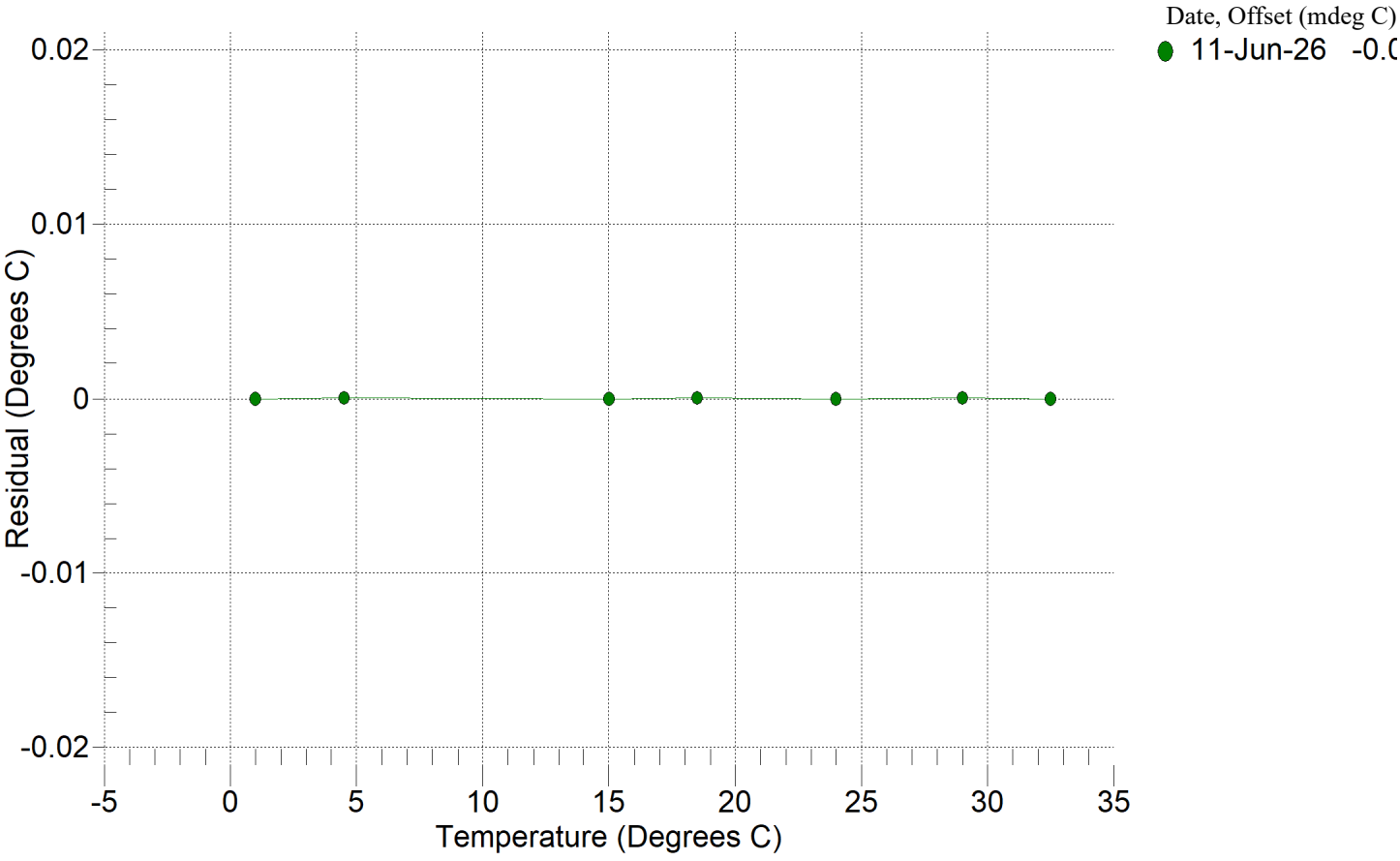
SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 =	1.035148e-04
a1 =	2.628187e-04
a2 =	-1.549407e-06
a3 =	1.279416e-07

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	643657.9	1.0000	-0.0000
4.5000	549120.5	4.5000	0.0000
15.0000	347770.9	15.0000	-0.0000
18.5000	300532.1	18.5000	0.0000
24.0000	240361.9	24.0000	-0.0000
29.0000	197387.1	29.0000	0.0000
32.5000	172539.0	32.5000	-0.0000

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1/\{a0 + a1[ln(n)] + a2[ln^2(n)] + a3[ln^3(n)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature