

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0039
CALIBRATION DATE: 07-Feb-15

WEBB GLIDER TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -7.328448e-005
a1 = 2.893626e-004
a2 = -3.370195e-006
a3 = 1.841099e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	672577.0	1.0000	-0.0000
4.5000	576332.4	4.5000	0.0000
15.0000	369599.6	15.0000	0.0000
18.5000	320659.6	18.5000	-0.0000
24.0000	258003.1	23.9999	-0.0001
29.0000	212987.7	29.0002	0.0002
32.5000	186844.2	32.4999	-0.0001

Temperature ITS-90 = $1 / \{a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]\} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

n = instrument output

