

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0039
CALIBRATION DATE: 15-Mar-11

WEBB GLIDER TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.429462e-004
a1 = 3.053769e-004
a2 = -4.597241e-006
a3 = 2.154505e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	672550.8	1.0000	0.0000
4.5000	576315.5	4.5000	-0.0000
15.0000	369588.2	15.0000	0.0000
18.5000	320651.0	18.5000	0.0000
24.0000	258000.4	23.9999	-0.0001
29.0000	212993.7	29.0000	0.0000
32.5000	186853.3	32.5000	-0.0000

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

