

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0189
CALIBRATION DATE: 22-Jan-13

WEBB GLIDER TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.118679e-004
a1 = 2.662322e-004
a2 = -1.844362e-006
a3 = 1.362929e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	598194.8	0.9999	0.0000
4.4999	510190.2	4.4998	-0.0001
15.0000	322839.4	15.0000	-0.0000
18.5000	278909.7	18.5001	0.0001
23.9999	222975.9	24.0000	0.0001
29.0000	183043.8	28.9998	-0.0002
32.5000	159958.7	32.5001	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

