

SEA-BIRD ELECTRONICS, INC.

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

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

SENSOR SERIAL NUMBER: 0092
CALIBRATION DATE: 03-Apr-10

WEBB GLIDER TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 2.136523e-005
a1 = 2.695014e-004
a2 = -1.779855e-006
a3 = 1.433530e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	637480.4	1.0000	0.0000
4.5000	546372.6	4.4999	-0.0001
15.0000	350600.5	15.0002	0.0002
18.5000	304243.4	18.4998	-0.0002
24.0000	244870.8	23.9998	-0.0002
29.0000	202199.7	29.0003	0.0003
32.5001	177411.1	32.5000	-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

