

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: 0039
CALIBRATION DATE: 20-Mar-12

WEBB GLIDER TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.056694e-005
a1 = 2.789558e-004
a2 = -2.528767e-006
a3 = 1.615257e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	672544.0	1.0001	0.0001
4.5000	576304.9	4.4999	-0.0001
15.0000	369587.5	15.0001	0.0001
18.5000	320654.7	18.5000	0.0000
24.0000	258006.7	24.0000	-0.0000
29.0000	213000.0	28.9999	-0.0001
32.5000	186854.9	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

