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: 1805 CALIBRATION DATE: 03-Jul-12 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.386954e-005 a1 = 2.698091e-004 a2 = -2.169913e-006 a3 = 1.416918e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	934553.9	-1.5000	0.0000
1.0000	832422.8	1.0000	-0.0000
4.5000	710004.9	4.5000	0.0000
8.0002	607622.9	8.0002	-0.0000
11.5001	521709.0	11.5000	-0.0001
14.9998	449362.2	14.9999	0.0001
18.5000	388236.3	18.5000	0.0000
22.0000	336430.9	22.0000	-0.0000
25.5000	292385.3	25.5000	-0.0000
28.9999	254826.1	28.9998	-0.0001
32.4999	222698.3	32.5000	0.0001

Temperature ITS-90 = $1/{a0 + a1[ln(n)] + a2[ln^2(n)] + a3[ln^3(n)]} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

Date, Delta T (mdeg C)



