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: 0040
CALIBRATION DATE: 29-Mar-13

SBE GLIDER PAYLOAD CTD
TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

$a0 = -1.486505e-004$
$a1 = 3.163346e-004$
$a2 = -5.192517e-006$
$a3 = 2.196171e-007$

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	578960.7	1.0000	0.0000
4.5000	495135.7	4.4999	−0.0001
15.0000	315850.7	15.0001	0.0001
18.5000	273604.1	18.4999	−0.0001
24.0000	219647.2	24.0000	0.0000
29.0000	180994.9	29.0000	0.0000
32.5000	158591.4	32.5000	−0.0000

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)

● 29-Mar-13   0.00