

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: 0164

CALIBRATION DATE: 27-Sep-15

Glider Payload CTD TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.454967e-004

a1 = 3.152861e-004

a2 = -5.100033e-006

a3 = 2.189655e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	571177.5	0.9999	-0.0000
4.4999	488724.3	4.4999	0.0000
15.0000	312207.6	14.9999	-0.0001
18.4999	270564.1	18.5001	0.0002
24.0000	217355.0	23.9998	-0.0002
29.0000	179206.1	29.0002	0.0002
32.5000	157086.5	32.4999	-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

n = instrument output

