

# 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: 9324  
CALIBRATION DATE: 08-Nov-15

Slocum Payload CTD TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

a0 = -1.892369e-004  
a1 = 3.214267e-004  
a2 = -5.414709e-006  
a3 = 2.274001e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0001	567328.3	1.0001	-0.0000
4.5000	485991.6	4.5001	0.0001
15.0000	311507.0	14.9998	-0.0002
18.5000	270247.7	18.5001	0.0001
23.9999	217461.5	24.0001	0.0002
29.0001	179564.5	28.9999	-0.0002
32.4999	157558.8	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

n = instrument output

