

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: 0265
CALIBRATION DATE: 02-Jul-16

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39853303e-003
h = 6.35633850e-004
i = 2.56598424e-005
j = 3.15979248e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3432.943	1.0000	-0.00003
4.5000	3713.331	4.5001	0.00005
15.0000	4652.979	15.0000	-0.00000
18.5000	5000.391	18.4999	-0.00007
24.0000	5582.326	24.0000	0.00003
29.0000	6150.512	29.0001	0.00008
32.5000	6570.937	32.4999	-0.00005

f = Instrument Output (Hz)

Temperature ITS-90 (°C) = $1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

