Sea-Bird Electronics, Inc.
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SENSOR SERIAL NUMBER: 6902
CALIBRATION DATE: 18-Nov-15

SBE 16plus V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
a0 = 1.237309e-003
a1 = 2.760488e-004
a2 = -1.089576e-006
a3 = 1.791512e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	564111.000	1.0000	-0.0000
4.5000	498506.700	4.5001	0.0001
14.9999	337960.364	14.9999	-0.0000
18.4999	295390.900	18.4999	-0.0000
24.0000	237953.364	24.0000	-0.0000
29.0000	194500.500	29.0001	0.0001
32.5000	168366.400	32.4999	-0.0001

n = Instrument Output (counts)

MV = (n - 524288) / 1.6e+007

R = (MV * 2.900e+009 + 1.024e+008) / (2.048e+004 - MV * 2.0e+005)

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

Residual (°C) = instrument temperature - bath temperature

Date, Offset (mdeg C)
- ● 07-Feb-14 -1.48
- ▲ 18-Nov-15 -0.00

POST CRUISE CALIBRATION