Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4139
CALIBRATION DATE: 29-Jun-12

SBE16plus TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.290210e-003
a1 = 2.504298e-004
a2 = 1.235779e-006
a3 = 1.019135e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT(n)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	632655.600	0.9999	-0.0001
4.5000	562041.100	4.5001	0.0001
15.0000	386440.455	14.9998	-0.0002
18.5000	339209.300	18.5002	0.0002
24.0000	275059.200	23.9999	-0.0001
29.0000	226202.000	29.0001	0.0001
32.5000	196689.182	32.4999	-0.0001

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

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

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

Residual = instrument temperature - bath temperature

Date, Delta T (mdeg C)

● 19-Aug-11 0.42
▲ 29-Jun-12 -0.00