Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4367
CALIBRATION DATE: 23-Dec-16

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  -9.90073850e+000
h =   1.40348446e+000
i =  -2.48633095e-004
j =   8.61753265e-005

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.65606	0.00000	0.00000
-1.0000	34.6904	2.79538	5.19151	2.79535	-0.00003
1.0000	34.6904	2.96623	5.30728	2.96626	0.00003
15.0000	34.6912	4.25789	6.11135	4.25789	0.00000
18.5000	34.6909	4.60353	6.30907	4.60353	0.00001
29.0000	34.6888	5.68378	6.89023	5.68375	-0.00003
32.5000	34.6788	6.05472	7.07873	6.05474	0.00002

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity