Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3042
CALIBRATION DATE: 20-Jan-16

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

COEFFICIENTS:

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g =  -9.96212488e+000
h =   1.35625118e+000
i =   3.09781816e-004
j =   4.44821665e-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	2.70906	0.00000	0.00000
-1.0000	34.5611	2.78593	5.27518	2.78591	-0.00002
1.0000	34.5611	2.95622	5.39250	2.95624	0.00002
15.0000	34.5617	4.24367	6.20751	4.24367	-0.00000
18.5000	34.5613	4.58818	6.40795	4.58818	0.00001
29.0000	34.5592	5.66493	6.99724	5.66492	-0.00001
32.5000	34.5490	6.03463	7.18837	6.03463	0.00001

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