Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6592
CALIBRATION DATE: 11-Jan-12

SBE16plus CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.021099e+000
h =  1.380577e-001
i = -2.160035e-004
j =  3.385017e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2722.92	0.0000	0.00000
0.9999	34.9054	2.98284	5388.89	2.9828	-0.00000
4.5000	34.8848	3.29055	5591.51	3.2905	-0.00000
15.0000	34.8410	4.27432	6194.27	4.2743	0.00001
18.5000	34.8312	4.62013	6392.39	4.6201	0.00000
24.0000	34.8197	5.17908	6699.95	5.1791	-0.00001
29.0000	34.8114	5.70161	6974.91	5.7016	0.00000
32.5001	34.8026	6.07388	7164.18	6.0739	-0.00000

f = INST FREQ / 1000.0

Conductivity = $(g + hf^2 + if^3 + jf^4) / (1 + \delta t + \varepsilon p)$ Siemens/meter

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

Residual = instrument conductivity - bath conductivity