Sea-Bird Electronics, Inc.

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

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

COEFFICIENTS:

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g = -1.002358e+000
h =  1.378600e-001
i = -4.059705e-004
j =  4.763236e-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	2703.81	0.0000	0.00000
1.0000	34.9880	2.98924	5396.65	2.9892	0.00000
4.5000	34.9682	3.29764	5600.78	3.2976	-0.00000
15.0000	34.9259	4.28363	6207.74	4.2836	-0.00000
18.5000	34.9171	4.63029	6407.20	4.6303	0.00002
24.0000	34.9080	5.19075	6716.78	5.1907	-0.00001
29.0000	34.9038	5.71503	6993.63	5.7150	0.00000
32.5000	34.9026	6.08933	7184.53	6.0893	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