Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 7020
CALIBRATION DATE: 07-Feb-14

SBE16plusV2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.815978e-001
h =  1.232338e-001
i = -3.175008e-004
j =  3.805878e-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	2829.11	0.0000	0.00000
1.0000	34.7270	2.96906	5675.29	2.9691	0.00001
4.5000	34.7075	3.27547	5890.65	3.2755	-0.00000
15.0000	34.6657	4.25509	6530.81	4.2551	-0.00001
18.5000	34.6570	4.59951	6741.10	4.5995	-0.00001
24.0000	34.6473	5.15626	7067.46	5.1563	0.00001
29.0000	34.6413	5.67687	7359.12	5.6769	0.00001
32.5000	34.6376	6.04834	7560.10	6.0483	-0.00001

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