Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6627
CALIBRATION DATE: 25-Jan-12

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

COEFFICIENTS:

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g = -1.033230e+000
h =  1.372135e-001
i = -1.703131e-004
j =  3.071058e-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	2746.47	0.0000	0.00000
1.0000	34.9940	2.98970	5415.12	2.9897	0.00001
4.5000	34.9740	3.29813	5618.19	3.2981	-0.00001
15.0000	34.9301	4.28409	6222.31	4.2841	-0.00000
18.5000	34.9198	4.63061	6420.88	4.6306	-0.00000
24.0000	34.9080	5.19075	6729.20	5.1908	0.00001
28.9999	34.8983	5.71422	7004.75	5.7142	0.00001
32.5000	34.8912	6.08757	7194.65	6.0876	-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