Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0653
CALIBRATION DATE: 06-Feb-15

SBE 16 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  -3.90121788e+000
h =   4.66403833e-001
i =   8.06990535e-004
j =  -7.05648800e-006

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2.88513	0.00000	0.00000
1.0000	34.8044	2.97504	8.43730	2.97500	-0.00004
4.5000	34.7824	3.28184	8.81129	3.28189	0.00005
15.0000	34.7363	4.26284	9.91103	4.26284	0.00001
18.4999	34.7256	4.60762	10.26917	4.60765	0.00002
23.9999	34.7133	5.16499	10.82252	5.16494	-0.00005
28.9999	34.7056	5.68621	11.31519	5.68621	-0.00000
32.5000	34.7003	6.05805	11.65365	6.05806	0.00002

f = INST FREQ / 1000.0

Conductivity = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$ Siemens / meter

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

Residual = instrument conductivity - bath conductivity