Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0655
CALIBRATION DATE: 11-Mar-15

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

COEFFICIENTS:

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g =  -3.97012251e+000
h =   4.74063479e-001
i =   1.01983860e-003
j =  -1.68573917e-005

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	2.88539	0.00000	0.00000
1.0000	34.8451	2.97819	8.37309	2.97816	-0.00004
4.5000	34.8236	3.28534	8.74346	3.28538	0.00004
15.0000	34.7772	4.26732	9.83275	4.26736	0.00004
18.5000	34.7656	4.61237	10.18739	4.61235	-0.00002
24.0000	34.7528	5.17022	10.73567	5.17018	-0.00004
28.9999	34.7432	5.69168	11.22367	5.69171	0.00002
32.5000	34.7363	6.06362	11.55901	6.06376	0.00014

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