Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0122
CALIBRATION DATE: 20-Oct-15

SBE 45 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.049890e+000
h =  1.315211e-001
i = -1.688745e-004
j =  3.004267e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -3.5355e-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	2828.03	0.00000	0.00000
1.0000	34.6882	2.96606	5526.17	2.96607	0.00001
4.5000	34.6678	3.27209	5732.15	3.27208	-0.00001
15.0000	34.6230	4.25040	6345.18	4.25039	-0.00001
18.5000	34.6114	4.59411	6546.67	4.59411	0.00000
23.9999	34.5971	5.14960	6859.50	5.14962	0.00002
29.0000	34.5871	5.66899	7139.26	5.66898	-0.00001
32.5000	34.5768	6.03893	7331.80	6.03887	-0.00006

f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

Residual = instrument conductivity - bath conductivity