Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1860
CALIBRATION DATE: 05-Mar-15

SBE 37 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.030815e+000
h =  1.437487e-001
i = -1.074158e-004
j =  3.312545e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.4809e-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	2678.20	0.00000	0.00000
1.0000	34.6649	2.96425	5265.37	2.96428	0.00002
4.5000	34.6451	3.27016	5462.26	3.27014	-0.00002
15.0000	34.6022	4.24812	6048.07	4.24810	-0.00002
18.5000	34.5931	4.59194	6240.67	4.59194	0.00000
24.0000	34.5831	5.14776	6539.69	5.14778	0.00002
29.0000	34.5777	5.66762	6807.11	5.66763	0.00001
32.5000	34.5751	6.03867	6991.52	6.03866	-0.00001

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