Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2023
CALIBRATION DATE: 13-Jan-12

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

COEFFICIENTS:

```
g = -1.034583e+000
h =  1.485451e-001
i =  1.035457e-004
j =  2.731987e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -2.5476e-005
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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	2635.72	0.00000	0.00000
1.0000	34.7921	2.97409	5172.93	2.97414	0.00005
4.5000	34.7718	3.28094	5366.13	3.28094	-0.00000
14.9999	34.7278	4.26189	5940.93	4.26176	-0.00013
18.5000	34.7175	4.60667	6129.95	4.60666	-0.00001
24.0000	34.7060	5.16403	6423.42	5.16415	0.00012
29.0000	34.6982	5.68515	6685.73	5.68521	0.00006
32.5000	34.6915	6.05668	6866.40	6.05661	-0.00008

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