Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2023
CALIBRATION DATE: 09-Dec-11

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

COEFFICIENTS:

```
g = -1.037507e+000
h =  1.494365e-001
i = -1.255807e-004
j =  4.625266e-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	2635.74	0.00000	0.00000
1.0000	34.9860	2.98908	5180.75	2.98913	0.00005
4.4999	34.9656	3.29741	5374.38	3.29736	-0.00005
15.0000	34.9212	4.28312	5950.49	4.28305	-0.00006
18.5000	34.9111	4.62958	6139.92	4.62973	0.00014
24.0000	34.8997	5.18966	6433.63	5.18946	-0.00020
29.0000	34.8919	5.71330	6696.56	5.71353	0.00023
32.5000	34.8848	6.08658	6877.32	6.08648	-0.00010

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