Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6353
CALIBRATION DATE: 07-Dec-11

SBE19plus CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g = -1.011716e+000
h =  1.502430e-001
i = -1.768563e-004
j =  3.546673e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-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	2596.87	0.0000	0.00000
1.0000	34.9957	2.98983	5160.27	2.9898	0.00001
4.5000	34.9749	3.29821	5354.74	3.2982	-0.00001
15.0000	34.9299	4.28407	5933.19	4.2841	-0.00001
18.5000	34.9188	4.63050	6123.25	4.6305	0.00001
24.0000	34.9053	5.19040	6418.25	5.1904	0.00001
29.0000	34.8962	5.71393	6682.01	5.7139	0.00000
32.5000	34.8890	6.08723	6863.72	6.0872	-0.00001

f = INST FREQ / 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