Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3213
CALIBRATION DATE: 12-Feb-12

SBE21 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

```
g = -4.21754306e+000
h =  4.97982351e-001
i = -3.31266329e-004
j =  4.34748749e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  5.23250085e-006
b =  4.96865040e-001
c = -4.21206317e+000
d = -8.77310216e-005
m =  4.6
CPcor = -9.5700e-008 (nominal)
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2.91194	0.00000	0.00000
1.0000	34.9935	2.98966	8.27484	2.98968	0.00002
4.5000	34.9733	3.29807	8.63950	3.29804	-0.00003
15.0000	34.9308	4.28417	9.71270	4.28417	0.00000
18.5000	34.9208	4.63073	10.06219	4.63074	0.00001
23.9999	34.9091	5.19089	10.60214	5.19089	-0.00000
29.0001	34.9005	5.71456	11.08255	5.71456	-0.00000

Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \varepsilon p)$ Siemens/meter

Conductivity = $(af^m + bf^2 + c + dt) / [10 (1 + \varepsilon p)$ Siemens/meter

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

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients