Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3764
CALIBRATION DATE: 21-Nov-15

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

COEFFICIENTS:

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g = -1.043334e+000
h =  1.635464e-001
i = -3.079779e-004
j =  4.620755e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.4902e-006
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2529.23	0.00000	0.00000
1.0000	34.6169	2.96054	4953.79	2.96052	-0.00002
4.5000	34.5962	3.26600	5138.78	3.26602	0.00002
15.0000	34.5541	4.24284	5689.43	4.24284	0.00001
18.5001	34.5453	4.58629	5870.55	4.58630	0.00001
24.0000	34.5366	5.14160	6151.83	5.14157	-0.00003
29.0000	34.5309	5.66081	6403.41	5.66081	0.00000
32.5000	34.5282	6.03141	6576.92	6.03141	0.00001

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

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

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity