Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3762
CALIBRATION DATE: 20-Nov-15

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

COEFFICIENTS:

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g = -1.044453e+000
h =  1.315191e-001
i = -1.183743e-004
j =  2.797626e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.1560e-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	2819.51	0.00000	0.00000
1.0000	34.6081	2.95986	5513.73	2.95986	0.00001
4.5000	34.5879	3.26529	5719.38	3.26529	-0.00000
15.0000	34.5450	4.24184	6331.44	4.24183	-0.00001
18.5000	34.5360	4.58518	6532.75	4.58518	0.00000
24.0000	34.5264	5.14025	6845.37	5.14026	0.00001
29.0000	34.5214	5.65943	7125.04	5.65942	-0.00000
32.5000	34.5189	6.02997	7317.92	6.02997	-0.00000

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