Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2341
CALIBRATION DATE: 10-Feb-16

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

COEFFICIENTS:

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g = -1.031279e+000
h =  1.548405e-001
i = -2.110025e-004
j =  4.535796e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.0978e-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	2582.65	0.00000	0.00000
1.0000	34.7361	2.96976	5081.67	2.96978	0.00002
4.5000	34.7164	3.27623	5271.82	3.27622	-0.00001
14.9999	34.6745	4.25605	5837.53	4.25600	-0.00004
18.5000	34.6656	4.60053	6023.53	4.60053	0.00000
23.9999	34.6562	5.15743	6312.29	5.15749	0.00006
29.0000	34.6517	5.67839	6570.49	5.67835	-0.00003
32.5000	34.6502	6.05029	6748.65	6.05036	0.00007

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