Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4078
CALIBRATION DATE: 22-Nov-15

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

COEFFICIENTS:

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g = -1.036256e+000
h =  1.485498e-001
i = -8.318565e-005
j =  3.110620e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.0787e-005
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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	2641.51	0.00000	0.00000
1.0000	34.6838	2.96572	5183.39	2.96573	0.00002
4.5000	34.6647	3.27183	5377.23	3.27181	-0.00002
15.0000	34.6227	4.25037	5954.02	4.25036	-0.00001
18.5000	34.6138	4.59440	6143.71	4.59440	0.00000
24.0000	34.6042	5.15055	6438.27	5.15056	0.00001
29.0000	34.5992	5.67075	6701.78	5.67076	0.00001
32.5000	34.5965	6.04198	6883.50	6.04197	-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