Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1678
CALIBRATION DATE: 27-Jan-17

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

COEFFICIENTS:

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g = -9.848236e-001
h =  1.372904e-001
i = -1.705687e-004
j =  3.641105e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.8508e-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	2680.07	0.00000	0.00000
1.0000	34.8740	2.98043	5371.59	2.98043	0.00001
4.5000	34.8537	3.28790	5574.99	3.28790	-0.00001
15.0000	34.8103	4.27095	6179.59	4.27095	-0.00001
18.5000	34.8007	4.61652	6378.17	4.61653	0.00001
24.0000	34.7903	5.17519	6686.37	5.17519	0.00001
28.9999	34.7847	5.69771	6961.87	5.69771	-0.00001
32.5000	34.7815	6.07061	7151.72	6.07053	-0.00008

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