Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1869
CALIBRATION DATE: 30-Sep-16

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

COEFFICIENTS:

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g = -1.053593e+000
h =  1.517753e-001
i = -1.732970e-004
j =  3.840104e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  5.1842e-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	2636.23	0.00000	0.00000
1.0000	34.8769	2.98065	5153.46	2.98065	0.00000
4.5000	34.8565	3.28814	5345.44	3.28814	-0.00000
15.0000	34.8141	4.27137	5916.89	4.27137	-0.00000
18.5000	34.8053	4.61707	6104.81	4.61707	-0.00000
24.0000	34.7959	5.17593	6396.65	5.17593	0.00001
29.0000	34.7913	5.69868	6657.72	5.69868	-0.00001
32.5000	34.7892	6.07180	6837.77	6.07180	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