Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3979
CALIBRATION DATE: 05-Oct-16

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

COEFFICIENTS:

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g = -1.020681e+000
h =  1.481647e-001
i = -1.519759e-004
j =  3.654824e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -9.2326e-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	2626.23	0.00000	0.00000
1.0000	34.8210	2.97633	5190.53	2.97634	0.00001
4.4999	34.8013	3.28344	5385.51	3.28343	-0.00001
15.0000	34.7590	4.26533	5965.59	4.26533	0.00000
18.5000	34.7503	4.61056	6156.30	4.61056	0.00000
24.0000	34.7409	5.16865	6452.39	5.16865	0.00000
29.0001	34.7364	5.69071	6717.24	5.69071	-0.00001
32.5000	34.7342	6.06329	6899.86	6.06329	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