Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1858
CALIBRATION DATE: 20-Nov-15

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

COEFFICIENTS:

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g = -1.035902e+000
h =  1.451245e-001
i = -7.643977e-005
j =  3.233909e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.6484e-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	2671.33	0.00000	0.00000
1.0000	34.7575	2.97142	5245.97	2.97142	0.00000
4.5000	34.7383	3.27809	5441.99	3.27809	0.00000
15.0000	34.6958	4.25839	6025.07	4.25839	-0.00000
18.5001	34.6868	4.60305	6216.77	4.60305	0.00000
24.0000	34.6770	5.16019	6514.38	5.16017	-0.00002
29.0000	34.6716	5.68128	6780.59	5.68131	0.00003
32.4999	34.6687	6.05315	6964.10	6.05313	-0.00002

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