Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1853
CALIBRATION DATE: 21-Nov-15

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

COEFFICIENTS:

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g = -9.867159e-001
h =  1.357797e-001
i = -1.396372e-004
j =  3.323695e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.6066e-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	2697.04	0.00000	0.00000
1.0000	34.6169	2.96054	5387.54	2.96053	-0.00001
4.5000	34.5962	3.26600	5591.19	3.26601	0.00002
15.0000	34.5541	4.24284	6196.72	4.24283	-0.00001
18.5001	34.5453	4.58629	6395.69	4.58630	0.00001
24.0000	34.5366	5.14160	6704.53	5.14158	-0.00001
29.0000	34.5309	5.66081	6980.58	5.66082	0.00001
32.5000	34.5282	6.03141	7170.88	6.03140	-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