Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1853
CALIBRATION DATE: 29-Sep-16

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

COEFFICIENTS:

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g = -9.860479e-001
h =  1.355874e-001
i = -9.365163e-005
j =  3.004385e-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	2697.03	0.00000	0.00000
0.9999	34.7728	2.97259	5396.02	2.97261	0.00002
4.5000	34.7532	3.27936	5600.19	3.27934	-0.00002
15.0000	34.7111	4.26007	6207.14	4.26006	-0.00001
18.4999	34.7024	4.60488	6406.56	4.60488	0.00000
23.9999	34.6929	5.16229	6716.07	5.16230	0.00002
29.0000	34.6882	5.68369	6992.81	5.68369	-0.00001
32.5000	34.6862	6.05586	7183.61	6.05586	-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