Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1855
CALIBRATION DATE: 22-Nov-15

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

COEFFICIENTS:

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g = -9.440629e-001
h =  1.350501e-001
i = -1.551752e-004
j =  3.301364e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  5.7355e-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	2645.54	0.00000	0.00000
1.0000	34.6838	2.96572	5378.18	2.96574	0.00002
4.5000	34.6647	3.27183	5583.82	3.27181	-0.00002
15.0000	34.6227	4.25037	6194.70	4.25035	-0.00002
18.5000	34.6138	4.59440	6395.29	4.59440	0.00001
24.0000	34.6042	5.15055	6706.53	5.15057	0.00002
29.0000	34.5992	5.67075	6984.68	5.67074	-0.00001
32.5000	34.5965	6.04198	7176.36	6.04191	-0.00007

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