Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2336
CALIBRATION DATE: 31-Jan-17

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

COEFFICIENTS:

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g = -1.039470e+000
h =  1.537484e-001
i = -4.369883e-005
j =  3.145663e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.2827e-005
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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	2598.96	0.00000	0.00000
1.0000	34.6515	2.96322	5092.51	2.96322	-0.00000
4.5000	34.6322	3.26906	5282.48	3.26907	0.00001
15.0000	34.5910	4.24689	5847.68	4.24687	-0.00002
18.5000	34.5823	4.59066	6033.53	4.59067	0.00001
24.0000	34.5731	5.14643	6322.11	5.14645	0.00002
29.0000	34.5641	5.66564	6579.93	5.66563	-0.00001
32.5000	34.5612	6.03652	6757.85	6.03645	-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