Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1869
CALIBRATION DATE: 11-Oct-16

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

COEFFICIENTS:

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g = -1.051940e+000
h =  1.513754e-001
i = -9.638554e-005
j =  3.297266e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  5.1842e-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	2636.20	0.00000	0.00000
1.0000	34.7334	2.96955	5147.84	2.96956	0.00001
4.5000	34.7125	3.27589	5339.43	3.27589	-0.00001
14.9999	34.6687	4.25541	5909.75	4.25539	-0.00001
18.4999	34.6595	4.59980	6097.33	4.59981	0.00001
23.9999	34.6500	5.15661	6388.66	5.15661	0.00001
28.9999	34.6454	5.67746	6649.30	5.67745	-0.00001
32.5000	34.6434	6.04924	6829.13	6.04935	0.00011

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