Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2333
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 = -9.895684e-001
h =  1.543150e-001
i = -1.066264e-004
j =  3.746105e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.2476e-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	2532.31	0.00000	0.00000
1.0000	34.6838	2.96572	5055.87	2.96573	0.00001
4.5000	34.6647	3.27183	5246.88	3.27181	-0.00002
15.0000	34.6227	4.25037	5814.73	4.25037	-0.00000
18.5000	34.6138	4.59440	6001.30	4.59440	0.00001
24.0000	34.6042	5.15055	6290.87	5.15056	0.00001
29.0000	34.5992	5.67075	6549.78	5.67073	-0.00002
32.5000	34.5965	6.04198	6728.27	6.04199	0.00001

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