Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4475
CALIBRATION DATE: 09-Mar-16

SBE 19plus V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.050175e+000
h =  1.459037e-001
i = -2.198678e-004
j =  3.889823e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-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	2685.71	0.0000	0.00000
1.0000	34.7173	2.96831	5249.53	2.9683	-0.00000
4.5000	34.6977	3.27464	5445.26	3.2746	0.00001
15.0001	34.6560	4.25403	6027.74	4.2540	-0.00001
18.4999	34.6472	4.59834	6219.29	4.5983	0.00001
24.0000	34.6375	5.15496	6516.75	5.1550	0.00000
29.0000	34.6321	5.67553	6782.81	5.6755	-0.00001
32.5000	34.6292	6.04704	6966.29	6.0470	0.00000

f = Instrument Output (Hz) / 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