SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4288
CALIBRATION DATE: 20-Jan-11

SBE16plus CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.043052e+000
h =  1.464086e-001
i = -2.428828e-004
j =  3.748962e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2672.61	0.0000	0.00000
1.0000	34.7751	2.97278	5241.62	2.9728	0.00000
4.4999	34.7517	3.27922	5437.38	3.2792	-0.00001
15.0000	34.7037	4.25926	6020.21	4.2593	0.00001
18.5000	34.6921	4.60367	6211.82	4.6037	0.00003
24.0000	34.6814	5.16077	6509.51	5.1607	-0.00003
29.0000	34.6751	5.68179	6775.83	5.6818	-0.00002
32.5001	34.6710	6.05352	6959.46	6.0535	0.00002

f = INST FREQ / 1000.0

Conductivity = $(g + hf^2 + if^3 + jf^4) / (1 + \delta t + \varepsilon p)$ Siemens/meter

t = temperature[°C)]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = instrument conductivity - bath conductivity