SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4285
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 = -1.057631e+000
h =  1.539439e-001
i = -3.565073e-004
j =  4.775927e-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	2626.30	0.0000	0.00000
1.0000	34.7751	2.97278	5126.28	2.9728	-0.00001
4.4999	34.7517	3.27922	5317.15	3.2792	-0.00000
15.0000	34.7037	4.25926	5885.51	4.2593	0.00002
18.5000	34.6921	4.60367	6072.38	4.6037	0.00003
24.0000	34.6814	5.16077	6362.73	5.1607	-0.00004
29.0000	34.6751	5.68179	6622.51	5.6818	-0.00003
32.5001	34.6710	6.05352	6801.63	6.0536	0.00003

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