

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4287
CALIBRATION DATE: 10-Jul-12

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

COEFFICIENTS:

g = -1.044613e+000
h = 1.495310e-001
i = -4.137785e-004
j = 5.363634e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006

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	2649.47	0.0000	0.00000
1.0000	34.9222	2.98415	5202.85	2.9842	0.00000
4.5000	34.9022	3.29203	5397.46	3.2920	-0.00001
15.0000	34.8591	4.27631	5976.50	4.2763	0.00000
18.5000	34.8500	4.62236	6166.88	4.6224	0.00000
24.0000	34.8402	5.18179	6462.46	5.1818	-0.00000
29.0000	34.8350	5.70504	6726.82	5.7050	-0.00001
32.5000	34.8327	6.07853	6909.13	6.0785	0.00000

f = INST FREQ / 1000.0

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

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

Residual = instrument conductivity - bath conductivity

