

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6902  
CALIBRATION DATE: 07-Feb-14

SBE16plusV2 CONDUCTIVITY CALIBRATION DATA  
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

## COEFFICIENTS:

g = -9.966559e-001

CPcor = -9.5700e-008

h = 1.564012e-001

CTcor = 3.2500e-006

i = -4.722326e-004

j = 5.906665e-005

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	2530.99	0.0000	0.00000
1.0000	34.7270	2.96906	5049.69	2.9691	0.00001
4.5000	34.7075	3.27547	5240.72	3.2755	-0.00001
15.0000	34.6657	4.25509	5808.76	4.2551	-0.00002
18.5000	34.6570	4.59951	5995.45	4.5995	0.00001
24.0000	34.6473	5.15626	6285.19	5.1563	0.00002
29.0000	34.6413	5.67687	6544.17	5.6769	-0.00001

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];  $\delta$  = CTcor;  $\epsilon$  = CPcor;

Residual = instrument conductivity - bath conductivity

