

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 7021
CALIBRATION DATE: 07-Feb-14

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

COEFFICIENTS:

g = -9.819667e-001

CPcor = -9.5700e-008

h = 1.209070e-001

CTcor = 3.2500e-006

i = -3.123480e-004

j = 3.666071e-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	2856.87	0.0000	0.00000
1.0000	34.7270	2.96906	5730.40	2.9691	0.00001
4.5000	34.7075	3.27547	5947.85	3.2755	-0.00001
15.0000	34.6657	4.25509	6594.23	4.2551	-0.00000
18.5000	34.6570	4.59951	6806.58	4.5995	-0.00000
24.0000	34.6473	5.15626	7136.11	5.1563	0.00001
29.0000	34.6413	5.67687	7430.61	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]; δ = CTcor; ϵ = CPcor;

Residual = instrument conductivity - bath conductivity

