

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6826
CALIBRATION DATE: 13-Jan-12

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

COEFFICIENTS:

g = -9.871747e-001
h = 1.516135e-001
i = -2.211827e-004
j = 3.966660e-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	2554.27	0.0000	0.00000
1.0000	34.7921	2.97409	5113.09	2.9741	0.00000
4.5000	34.7718	3.28094	5306.80	3.2809	-0.00000
14.9999	34.7278	4.26189	5882.72	4.2619	0.00000
18.5000	34.7175	4.60667	6071.92	4.6067	0.00000
24.0000	34.7060	5.16403	6365.61	5.1640	0.00001
29.0000	34.6982	5.68515	6628.12	5.6851	-0.00002
32.5000	34.6915	6.05668	6808.95	6.0567	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

