

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6520
CALIBRATION DATE: 24-Apr-12

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

COEFFICIENTS:

g = -1.077865e+000
h = 1.386400e-001
i = -1.587822e-004
j = 3.023755e-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	2790.38	0.0000	0.00000
1.0000	34.9779	2.98846	5415.20	2.9884	-0.00001
4.4999	34.9577	3.29674	5616.05	3.2967	0.00001
15.0000	34.9148	4.28241	6214.06	4.2824	0.00001
18.5000	34.9058	4.62896	6410.80	4.6290	0.00000
24.0000	34.8962	5.18919	6716.38	5.1892	-0.00002
29.0000	34.8911	5.71319	6989.83	5.7132	-0.00000
32.5000	34.8887	6.08718	7178.45	6.0872	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

