

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6627
CALIBRATION DATE: 11-Feb-14

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

COEFFICIENTS:

g = -1.035898e+000

CPcor = -9.5700e-008

h = 1.377236e-001

CTcor = 3.2500e-006

i = -2.685538e-004

j = 3.701200e-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	2747.12	0.0000	0.00000
1.0000	34.7374	2.96986	5400.38	2.9699	-0.00001
4.5000	34.7177	3.27634	5602.62	3.2763	0.00001
15.0000	34.6758	4.25620	6204.39	4.2562	0.00000
18.5000	34.6671	4.60071	6402.27	4.6007	-0.00001
24.0000	34.6577	5.15764	6709.55	5.1576	0.00001
29.0000	34.6527	5.67853	6984.39	5.6785	-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

