

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 6628
CALIBRATION DATE: 11-Jun-11

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

COEFFICIENTS:

g = -1.051827e+000
h = 1.391633e-001
i = -2.291924e-004
j = 3.450862e-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	2752.88	0.0000	0.00000
1.0000	34.7702	2.97240	5382.00	2.9724	-0.00001
4.5000	34.7505	3.27913	5582.78	3.2791	0.00001
15.0000	34.7078	4.25971	6180.31	4.2597	0.00001
18.5000	34.6984	4.60441	6376.81	4.6044	0.00000
24.0000	34.6877	5.16161	6681.94	5.1616	-0.00001
29.0000	34.6793	5.68240	6954.75	5.6824	-0.00001
32.5000	34.6708	6.05348	7142.60	6.0535	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

