

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 7021  
CALIBRATION DATE: 20-Nov-15

SBE 16plus V2 CONDUCTIVITY CALIBRATION DATA  
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

## COEFFICIENTS:

g = -9.883845e-001  
h = 1.216355e-001  
i = -2.821920e-004  
j = 3.386338e-005

CPcor = -9.5700e-008  
CTcor = 3.2500e-006

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2856.81	0.0000	0.00000
1.0000	34.7575	2.97142	5717.59	2.9714	-0.00000
4.5000	34.7383	3.27809	5934.30	3.2781	0.00000
15.0000	34.6958	4.25839	6578.45	4.2584	-0.00001
18.5001	34.6868	4.60305	6790.11	4.6031	0.00001
24.0000	34.6770	5.16019	7118.60	5.1602	-0.00000
29.0000	34.6716	5.68128	7412.29	5.6813	-0.00001
32.4999	34.6687	6.05315	7614.73	6.0531	0.00000

f = Instrument Output (Hz) / 1000.0

t = temperature (°C); p = pressure (decibars);  $\delta$  = CTcor;  $\epsilon$  = CPcor;

Conductivity (S/m) =  $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

