

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4426

CALIBRATION DATE: 07-Apr-17

SBE 16plus CONDUCTIVITY CALIBRATION DATA

PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

## COEFFICIENTS:

g = -1.028062e+000

h = 1.449075e-001

i = -3.090435e-004

j = 4.447602e-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	2668.25	0.0000	0.00000
0.9999	34.7086	2.96763	5258.29	2.9676	0.00001
4.5000	34.6892	3.27391	5455.49	3.2739	-0.00001
15.0000	34.6470	4.25304	6042.14	4.2530	0.00000
18.5000	34.6379	4.59725	6234.98	4.5972	-0.00001
24.0000	34.6282	5.15373	6534.41	5.1537	0.00001
29.0000	34.6231	5.67423	6802.21	5.6742	0.00000
32.5000	34.6205	6.04570	6986.85	6.0457	-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

