

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5048  
CALIBRATION DATE: 23-Nov-16

SBE 19plus V2 CONDUCTIVITY CALIBRATION DATA  
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

## COEFFICIENTS:

g = -1.012322e+000  
h = 1.580632e-001  
i = -4.697052e-004  
j = 6.231517e-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	2537.07	0.0000	0.00000
1.0000	34.6823	2.96560	5029.16	2.9656	-0.00001
4.4999	34.6615	3.27155	5218.48	3.2716	0.00001
15.0000	34.6194	4.25001	5781.67	4.2500	0.00001
18.5000	34.6105	4.59400	5966.76	4.5940	0.00001
24.0000	34.6008	5.15010	6254.07	5.1501	-0.00001
29.0000	34.5953	5.67018	6510.95	5.6702	-0.00001
32.5000	34.5914	6.04119	6687.97	6.0412	0.00001

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

