

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6353  
CALIBRATION DATE: 12-Nov-16

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

## COEFFICIENTS:

g = -1.011665e+000  
h = 1.502404e-001  
i = -1.801316e-004  
j = 3.601352e-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	2596.87	0.0000	0.00000
1.0000	34.6741	2.96497	5144.30	2.9650	-0.00000
4.4999	34.6546	3.27096	5337.90	3.2710	0.00000
15.0000	34.6129	4.24929	5913.81	4.2493	-0.00000
18.4999	34.6043	4.59326	6103.13	4.5933	0.00000
24.0000	34.5951	5.14935	6397.10	5.1494	0.00001
29.0000	34.5905	5.66948	6660.01	5.6695	-0.00001
32.5000	34.5884	6.04073	6841.33	6.0407	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

