

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 7020
CALIBRATION DATE: 19-Nov-15

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

COEFFICIENTS:

g = -9.816334e-001
h = 1.232440e-001
i = -3.183596e-004
j = 3.827059e-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	2829.05	0.0000	0.00000
0.9999	34.6285	2.96143	5669.57	2.9614	0.00001
4.5000	34.6087	3.26706	5884.58	3.2671	-0.00000
15.0000	34.5662	4.24417	6523.68	4.2442	-0.00001
18.5000	34.5573	4.58770	6733.64	4.5877	-0.00001
24.0000	34.5474	5.14303	7059.48	5.1430	0.00001
29.0000	34.5420	5.66243	7350.76	5.6624	0.00002
32.5001	34.5395	6.03317	7551.53	6.0332	-0.00001

f = Instrument Output (Hz) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = 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

