

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6592
CALIBRATION DATE: 22-Nov-15

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

COEFFICIENTS:

g = -1.020949e+000
h = 1.380096e-001
i = -2.016637e-004
j = 3.304509e-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	2722.87	0.0000	0.00000
1.0000	34.8395	2.97776	5385.27	2.9778	0.00001
4.5000	34.8194	3.28499	5587.67	3.2850	-0.00001
15.0000	34.7766	4.26726	6189.85	4.2673	-0.00001
18.5000	34.7674	4.61258	6387.80	4.6126	-0.00001
24.0000	34.7570	5.17078	6695.14	5.1708	0.00002
29.0000	34.7514	5.69288	6970.02	5.6929	0.00000
32.5000	34.7481	6.06544	7159.52	6.0654	-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

