

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 4607
CALIBRATION DATE: 25-Nov-15

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

COEFFICIENTS:

g = -1.025567e+000
h = 1.328032e-001
i = -3.029445e-004
j = 3.928500e-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	2784.59	0.0000	0.00000
1.0000	34.6919	2.96634	5492.52	2.9663	0.00001
4.5000	34.6719	3.27244	5698.62	3.2724	-0.00001
15.0000	34.6292	4.25108	6311.78	4.2511	0.00000
18.5000	34.6201	4.59514	6513.33	4.5951	-0.00001
24.0000	34.6102	5.15135	6826.28	5.1514	0.00001
29.0000	34.6051	5.67161	7106.17	5.6716	0.00001
32.5000	34.6029	6.04297	7299.17	6.0430	-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

