

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1568
CALIBRATION DATE: 09-Jul-14

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -4.00623182e+000
h = 5.19301003e-001
i = -2.04369006e-004
j = 3.43255028e-005

CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.77834	0.00000	0.00000
-1.0000	34.7531	2.79996	7.84677	2.79995	-0.00001
0.9999	34.7536	2.97111	8.05334	2.97113	0.00002
15.0000	34.7542	4.26480	9.46818	4.26476	-0.00004
18.5000	34.7537	4.61096	9.81179	4.61099	0.00003
29.0000	34.7541	5.69328	10.81447	5.69331	0.00003
32.5000	34.7494	6.06564	11.13809	6.06562	-0.00002

f = INST FREQ / 1000.0

Conductivity = (g + h * f² + i * f³ + j * f⁴) / (1 + δ * t + ε * p) Siemens / meter

t = temperatur e[°C]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = instrument conductivity - bath conductivity

