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: 0539
CALIBRATION DATE: 07-Mar-15

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

COEFFICIENTS:

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g =  -3.87311171e+000
h =   4.62416236e-001
i =   1.02323881e-003
j =  -1.40876067e-005

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2.88527	0.00000	0.00000
1.0000	34.6236	2.96106	8.44005	2.96105	-0.00001
4.4999	34.6037	3.26663	8.81410	3.26664	0.00001
15.0000	34.5610	4.24360	9.91406	4.24360	0.00001
18.4999	34.5518	4.58704	10.27227	4.58704	-0.00001
24.0000	34.5410	5.14218	10.82579	5.14217	-0.00001
29.0000	34.5352	5.66144	11.31859	5.66144	0.00001
32.5000	34.5312	6.03187	11.65724	6.03196	0.00009

f = INST FREQ / 1000.0

Conductivity = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$ Siemens / meter

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

Residual = instrument conductivity - bath conductivity