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: 2329
CALIBRATION DATE: 12-Mar-15

SBE 37 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.041365e+000
h =  1.577211e-001
i = -7.419798e-005
j =  3.306476e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  7.2011e-006
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2569.12	0.00000	0.00000
1.0000	34.7989	2.97462	5038.61	2.97463	0.00001
4.5000	34.7791	3.28156	5226.73	3.28155	-0.00001
15.0000	34.7361	4.26281	5786.53	4.26281	-0.00000
18.5000	34.7270	4.60780	5970.61	4.60780	0.00001
24.0000	34.7170	5.16549	6256.44	5.16549	0.00000
29.0000	34.7118	5.68713	6512.14	5.68712	-0.00000
32.5000	34.7096	6.05949	6688.51	6.05949	0.00000

f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

Residual = instrument conductivity - bath conductivity