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: 3531
CALIBRATION DATE: 01-Oct-15

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

COEFFICIENTS:

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g = -9.858807e-001
h =  1.331133e-001
i = -1.624766e-004
j =  3.181388e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -4.6806e-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	2723.71	0.00000	0.00000
1.0000	34.6499	2.96309	5445.51	2.96311	0.00002
4.4999	34.6301	3.26887	5651.63	3.26886	-0.00001
15.0000	34.5865	4.24639	6264.43	4.24637	-0.00002
18.4999	34.5768	4.59000	6465.77	4.59001	0.00000
24.0000	34.5658	5.14547	6778.28	5.14548	0.00001
29.0000	34.5592	5.66493	7057.66	5.66495	0.00002
32.5000	34.5551	6.03557	7250.21	6.03556	-0.00002

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