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: 0041
CALIBRATION DATE: 12-Mar-15

SBE 49 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g = -1.008103e+000
h =  1.380666e-001
i = -1.292326e-004
j =  3.054491e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-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	2703.38	0.0000	0.00000
1.0000	34.7517	2.97097	5364.82	2.9710	-0.00000
4.5000	34.7319	3.27755	5566.85	3.2775	0.00000
14.9999	34.6895	4.25769	6167.70	4.2577	0.00000
18.5000	34.6803	4.60227	6365.18	4.6023	-0.00000
23.9999	34.6700	5.15925	6671.73	5.1593	0.00000
29.0000	34.6638	5.68015	6945.85	5.6801	0.00000
32.5000	34.6597	6.05176	7134.84	6.0519	0.00011

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