Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 9769
CALIBRATION DATE: 11-Sep-17

SBE 41 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.015591e+000
h =  1.378647e-001
i = -3.939431e-004
j =  4.719591e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.7066e-006
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2721.08	0.00000	0.00000
1.0000	34.8032	2.97495	5394.81	2.97496	0.00000
4.5000	34.7835	3.28193	5597.90	3.28193	-0.00000
15.0000	34.7411	4.26336	6201.91	4.26336	-0.00000
18.5000	34.7319	4.60838	6400.39	4.60837	-0.00001
23.9940	34.7222	5.16555	6708.20	5.16556	0.00001
29.0000	34.7171	5.68790	6984.06	5.68791	0.00001
32.5000	34.7142	6.06020	7173.96	6.06019	-0.00001

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

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

Residual (Siemens/meter) = instrument conductivity - bath conductivity