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

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

SENSOR SERIAL NUMBER: 0454
CALIBRATION DATE: 02-Mar-19

SBE 45 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -8.172293e+000
h =  2.605009e+000
i = -7.013399e-001
j =  5.369998e-002

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.4343e-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	2745.04	0.00000	0.00000
1.0000	34.8469	2.97833	5434.82	3.03721	0.05888
4.5000	34.8221	3.28522	5639.29	3.20296	-0.08226
15.0000	34.7796	4.26759	6248.11	4.29479	0.02720
18.5000	34.7700	4.61289	6448.18	4.94345	0.33056
23.9999	34.7596	5.17111	6431.88	4.88385	-0.28726
28.9999	34.7507	5.69277	6618.13	5.64663	-0.04614
32.5001	34.7422	6.06454	6704.42	6.06409	-0.00045

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