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

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

SENSOR SERIAL NUMBER: 1852
CALIBRATION DATE: 03-May-19

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

COEFFICIENTS:

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g = -1.049818e+000
h =  1.495884e-001
i = -1.148315e-004
j =  3.452828e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.0378e-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	2649.68	0.00000	0.00000
1.0000	34.8531	2.97881	5183.80	2.97882	0.00001
4.5000	34.8326	3.28611	5377.01	3.28610	-0.00001
15.0000	34.7912	4.26886	5952.17	4.26885	-0.00001
18.5000	34.7826	4.61438	6141.32	4.61438	-0.00000
23.9999	34.7733	5.17293	6435.03	5.17294	0.00001
29.0000	34.7680	5.69530	6697.73	5.69530	0.00000
32.5000	34.7653	6.06810	6878.88	6.06810	-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