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

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

SENSOR SERIAL NUMBER: 2328
CALIBRATION DATE: 30-Apr-19

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

COEFFICIENTS:

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g = -1.049035e+000
h =  1.585301e-001
i = -1.242212e-004
j =  3.797787e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.5429e-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	2572.77	0.00000	0.00000
1.0000	34.8262	2.97673	5033.91	2.97672	-0.00001
4.5000	34.8039	3.28367	5221.45	3.28369	0.00002
15.0000	34.7608	4.26552	5779.78	4.26552	-0.00001
18.5000	34.7521	4.61077	5963.43	4.61079	0.00002
23.9999	34.7421	5.16880	6248.51	5.16876	-0.00004
29.0000	34.7367	5.69075	6503.58	5.69077	0.00002
32.5000	34.7316	6.06289	6679.28	6.06289	-0.00000

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