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

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

SENSOR SERIAL NUMBER: 16246
CALIBRATION DATE: 11-Mar-25

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.765990e-001
h =  1.232149e-001
i = -1.449182e-004
j =  2.730016e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.1830e-007
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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	2817.51	0.00000	0.00000
1.0000	34.5274	2.95361	5646.59	2.95363	0.00002
4.5000	34.5076	3.25845	5860.62	3.25843	-0.00002
14.9999	34.4680	4.23337	6497.15	4.23336	-0.00001
18.4999	34.4599	4.57615	6706.30	4.57615	0.00000
23.9999	34.4519	5.13037	7030.96	5.13039	0.00003
29.0000	34.4481	5.64876	7321.21	5.64874	-0.00001
32.5000	34.4461	6.01869	7521.13	6.01838	-0.00031

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