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

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

SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 05-Mar-23

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

COEFFICIENTS:

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g = -9.834786e-001
h =  1.334738e-001
i = -1.676003e-004
j =  3.172776e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.7605e-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	2716.71	0.00000	0.00000
1.0000	34.6390	2.96225	5436.54	2.96225	0.00000
4.5000	34.6193	3.26796	5642.45	3.26796	-0.00000
15.0000	34.5783	4.24549	6254.67	4.24550	0.00000
18.5000	34.5696	4.58916	6455.82	4.58916	0.00000
24.0000	34.5600	5.14470	6768.02	5.14469	-0.00001
29.0000	34.5541	5.66419	7047.12	5.66419	0.00001
32.5000	34.5493	6.03467	7239.38	6.03467	-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