



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

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

SENSOR SERIAL NUMBER: 13247
CALIBRATION DATE: 06-Oct-22

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

COEFFICIENTS:

g = -1.008404e+000
h = 1.551197e-001
i = -1.047908e-004
j = 3.015088e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 3.9209e-007

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	2550.24	0.00000	0.00000
1.0000	34.7346	2.96965	5060.15	2.96964	-0.00001
4.5000	34.7151	3.27612	5250.82	3.27613	0.00001
15.0000	34.6719	4.25577	5817.88	4.25578	0.00001
18.5000	34.6623	4.60014	6004.27	4.60012	-0.00001
24.0000	34.6511	5.15676	6293.67	5.15677	0.00001
29.0000	34.6423	5.67702	6552.34	5.67701	-0.00000
32.5000	34.6313	6.04737	6730.28	6.04737	0.00000

$f = \text{Instrument Output(Hz)} * \sqrt{1.0 + \text{WBOTC} * t} / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

