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

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

SENSOR SERIAL NUMBER: 16245
CALIBRATION DATE: 04-Mar-25

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

COEFFICIENTS:

```
g = -1.019104e+000
h =  1.272028e-001
i =  7.587459e-006
j =  1.652389e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.9457e-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	2828.77	0.00000	0.00000
0.9999	34.9389	2.98543	5598.53	2.98544	0.00001
4.5000	34.9192	3.29347	5808.94	3.29346	-0.00002
14.9999	34.8798	4.27857	6435.10	4.27860	0.00003
18.4999	34.8711	4.62484	6640.89	4.62484	-0.00000
24.0000	34.8619	5.18466	6960.47	5.18462	-0.00004
29.0000	34.8550	5.70794	7246.20	5.70796	0.00002
32.5000	34.8489	6.08103	7443.07	6.08112	0.00009

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