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

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

SENSOR SERIAL NUMBER: 16247
CALIBRATION DATE: 30-Mar-25

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

COEFFICIENTS:

```
g = -9.686508e-001
h =  1.219248e-001
i = -8.737369e-005
j =  2.227184e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.4779e-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	2819.43	0.00000	0.00000
1.0000	34.5599	2.95613	5668.55	2.95616	0.00003
4.5000	34.5413	3.26132	5883.91	3.26128	-0.00005
15.0000	34.5037	4.23730	6524.41	4.23731	0.00001
18.5000	34.4963	4.58048	6734.86	4.58049	0.00002
24.0000	34.4886	5.13524	7061.46	5.13522	-0.00002
29.0000	34.4852	5.65416	7353.52	5.65416	0.00000
32.5000	34.4833	6.02445	7554.83	6.02447	0.00002

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